CONTENTS

INDEX OF SEISMIC AND GEOGRAPHICAL REGIONS

MAJOR EARTHQUAKES

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

(291) South of Sumbawa
ISC I 01 08 49 37.4–.87 11.42S–.08 116.74E–.08 35 20 3-66
IDC I 01 08 49 31.8–4.5 11.37S 116.42E 0 3.2,3.1b **¶610236372**
DJA I 01 08 49 35.1–.40 11S–4.0 117E–4.0 10 5.8b,5.4
ISC Event type ke.

(264) North of Halmahera
ISC I 01 14 12 08.6–.42 3.59N–.03 128.57E–.04 31–2 4.9b,4.9s 720 3-164
IDC I 01 14 12 03.7–.33 3.57N 128.34E 0 4.7,4.7b **¶609947746**
KLM I 01 14 12 05 3.76N 128.97E 10 5.1b,4.7b
MOS I 01 14 12 05.9–.98 3.60N 128.38E 24 5.1b,4.7b
BJI I 01 14 12 05.0–.00 3.48N 128.73E 25 5.2b,5.2s
NEIC I 01 14 12 05.7–1.4 3.64N–.06 128.59E–.08 11–1 5.6b,5.2
DJA I 01 14 12 09.8–.40 4N–4.0 129E–3.0 66–4 5.5b,5.5
GCMT I 01 14 12 09.7–.20 3.71N–.02 128.56E–.01 27–0 5.4W,5.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; Mrr6.87 Mθθ0.83 Mφφ-7.70 Mrθ-0.67 Mθφ-2.04 Mφr4.46 NP1:φs206.81000°,δ31.90000°,λ112.63000°. NP2:φs0.65000°,δ60.81000°,λ76.53000°. Principal axes: T 8.3251,Plg71.0000°,Azm240.0000°; N 0.9496,Plg12.0000°,Azm7.0000°; P -9.2747,Plg15.0000°,Azm100.0000° M0 8.84000$\times10^{16}$
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s87,c126; s142,c219;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; Mrr1.75±.04 Mθθ-0.25±.03; Mφφ-1.51±.03; Mrθ-0.28±.05; Mθφ-0.02±.02; Mφr0.20±.04; Best double couple: NP1:φs353.00000°,δ49.00000°,λ80.00000°. NP2:φs188.00000°,δ42.00000°,λ102.00000°. Principal axes: T 1.8000,Plg82.0000°,Azm204.0000°; N -0.2840,Plg8.0000°,Azm360.0000°; P -1.5220,Plg3.0000°,Azm90.0000° M0 1.66100$\times10^{17}$

(264) North of Halmahera
ISC I 01 14 13 34.5–.21 3.65N–.03 128.37E–.04 10 5.4b,4.9s 792 3-168
IDC I 01 14 13 32.8–.31 3.65N 128.40E 0 5.0,5.0b **¶609947747**
BJI I 01 14 13 32.5–.00 3.50N 128.73E 20 5.5b,5.2s
NEIC I 01 14 13 34.1–1.2 3.59N–.08 128.24E–.09 10–1 5.6b,5.3
MOS I 01 14 13 34.3–1.1 3.55N 128.31E 25 5.6b,4.8s
GCMT I 01 14 13 38.1–.10 3.63N–.01 128.60E–.01 19–0 5.4W,4.8s
DJA I 01 14 13 39.1–.90 4N–4.0 129E–3.0 32–7 5.9b,5.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; Mrr9.04 Mθθ-2.12 Mφφ-6.92 Mrθ0.55 Mθφ-0.18 Mφr5.63 NP1:φs181.25000°,δ27.36000°,λ87.56000°. NP2:φs4.00000°,δ62.67000°,λ91.26000°. Principal axes: T 10.8426,Plg72.0000°,Azm277.0000°; N -2.1168,Plg1.0000°,Azm183.0000°; P -8.7257,Plg18.0000°,Azm93.0000° M0 9.95000$\times10^{16}$
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s121,c180; s147,c282;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; Mrr1.56±.03 Mθθ-0.20±.02; Mφφ-1.36±.02; Mrθ0.26±.04; Mθφ-0.12±.01; Mφr0.65±.04; Best double couple: NP1:φs12.00000°,δ58.00000°,λ96.00000°. NP2:φs181.00000°,δ33.00000°,λ81.00000°. Principal axes: T 1.7270,Plg76.0000°,Azm301.0000°; N -0.2060,Plg5.0000°,Azm189.0000°; P -1.5220,Plg12.0000°,Azm98.0000° M0 1.62500$\times10^{17}$

(353) Southern Iran
ISC I 02 00 29 40.8–.33 29.46N–.03 50.81E–.03 24 4.3b,4.3s 390 1-96
ISN I 02 00 29 39.5–1.3 29.54N 50.93E 15–437 4.4L,4.3s **¶609949340**
NEIC I 02 00 29 39.4–1.5 29.47N–.08 50.82E–.07 10–1 4.2b,4.3s
TEH I 02 00 29 39.5 29.57N 50.89E 11 4.3L,4.3s
MOS I 02 00 29 40.2–1.1 29.55N 50.82E 26 4.4b,4.3s
IDC I 02 00 29 42.4–3.3 29.55N 50.85E 30–23 4.2,4.1s
GII I 02 00 29 43.8–.00 29.45N 50.84E 10 4.2,4.1s
DSN I 02 00 29 45.1–1.0 29.46N 51.48E 10 4.6b,4.4L
OMAN I 02 00 29 47.5–.97 29.01N 50.95E 33 5.5b,4.6L
ISC Event type ke.
ISN Error ellipse: s-maj=301.7km s-min=441.2km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=13.6km s-min=9.9km az=198.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TEH Error ellipse: s-maj=1.0km s-min=1.7km az=-1.0.
MOS Error ellipse: s-maj=7.1km s-min=4.7km az=111.3.
IDC Error ellipse: s-maj=15.8km s-min=11.8km az=167.0.
GII Event type ke.
DSN Error ellipse: s-maj=13.9km s-min=9.4km az=65.0.
OMAN Error ellipse: s-maj=8.3km s-min=5.3km az=0.0.

(353) Southern Iran
ISC I 02 00 42 08.3–.33 29.49N–.04 50.91E–.04 24 4.7s,4.3b 454 1-99
IDC I 02 00 42 04.1–.72 29.45N 50.80E 0 4.4s,4.3 **¶609949342**
ISN I 02 00 42 05.3–.98 29.43N 50.83E 17–362 4.4L,4.3
MOS I 02 00 42 06.2–1.1 29.46N 50.82E 25 4.6b,4.3
NEIC I 02 00 42 06.3–2.0 29.38N–.09 50.82E–.08 10–1 4.4b,4.3
TEH I 02 00 42 06.7 29.51N 50.85E 18–20 4.7L,4.3
THR I 02 00 42 07.4–.63 29.60N 50.92E 15 4.6L,4.3
DSN I 02 00 42 08.2–.58 29.47N 51.04E 10 4.9b,4.5L
GII I 02 00 42 08.8–.00 29.48N 50.87E 10 4.9b,4.5L
OMAN I 02 00 42 09.2–1.2 29.38N 51.16E 10 6.0b,4.9L
ISC Event type ke.
IDC Error ellipse: s-maj=15.7km s-min=11.9km az=165.0.
ISN Error ellipse: s-maj=256.7km s-min=358.1km az=-1.0.
MOS Error ellipse: s-maj=6.5km s-min=4.0km az=111.4.
NEIC Event type se. Error ellipse: s-maj=15.7km s-min=10.5km az=204.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TEH Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.
THR Error ellipse: s-maj=9.6km s-min=2.3km az=-1.0.
DSN Error ellipse: s-maj=12.6km s-min=5.3km az=53.0.
GII Event type ke.
OMAN Error ellipse: s-maj=11.9km s-min=7.2km az=19.0.

(277) Jawa
ISC I 02 21 02 26.1–.28 8.86S–.03 108.76E–.03 57–2 5.2b,4.8s 886 1-177
MOS I 02 21 02 24.3–1.1 8.73S 108.84E 51 5.4b,4.5s **¶609950090**
DJA I 02 21 02 25.5–.20 9S–2.0 109E–1.0 57–3 5.5b,5.4
NEIC I 02 21 02 25.2–1.8 8.75S–.08 108.80E–.06 38–4 5.2b,5.4
GCMT I 02 21 02 26.2–.10 9.24S–.01 108.74E–.01 32–0 5.3W,5.4
BJI I 02 21 02 26.0–.00 8.90S 108.80E 67 5.2b,5.1b
IDC I 02 21 02 26.6–1.6 8.79S 108.88E 58–13 4.9,4.7s
ISC Event type se. Moment Tensor Solution. NP1:φs345.06683°,δ37.63874°,λ156.81892°. NP2: φs93.79808°,δ76.09060°,λ54.66640°. Principal axes: T Plg46.8798°,Azm327.0510°; N Plg34.1511°,Azm103.4693°; P Plg22.9521°,Azm210.1642°
MOS Error ellipse: s-maj=7.2km s-min=4.5km az=119.8.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=9.2km az=191.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s115,c191; s119,c203;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; Mrr0.89±.02 Mθθ-0.99±.01; Mφφ0.10±.02; Mrθ0.82±.02; Mθφ0.20±.01; Mφr-0.12±.02; Best double couple: NP1:φs99.00000°,δ65.00000°,λ89.00000°. NP2:φs281.00000°,δ25.00000°,λ93.00000°. Principal axes: T 1.1970,Plg70.0000°,Azm6.0000°; N 0.1370,Plg1.0000°,Azm99.0000°; P -1.3340,Plg20.0000°,Azm190.0000° M0 1.26600$\times10^{17}$
IDC Error ellipse: s-maj=14.4km s-min=8.4km az=42.0.

(282) South of Jawa
ISC I 03 03 19 19.3–1.3 8.19S–.08 106.82E–.05 51–10 4.5b,3.6s 101 1-146
NEIC I 03 03 19 19.6–1.9 8.21S–.08 106.77E–.07 48–7 4.7b,3.6s **¶609950100**
DJA I 03 03 19 19.3–.40 8S–5.0 107E–2.0 57–4 5.6b,5.1
IDC I 03 03 19 23.2–2.4 7.93S 106.97E 76–20 4.4,4.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.6km s-min=9.7km az=210.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=25.7km s-min=12.3km az=58.0.

(315) India-Bangladesh border region
ISC I 03 09 09 02.3–.25 24.10N–.02 91.99E–.02 35–0 5.4b,5.2s 1540 1-162
IDC I 03 09 08 57.2–.34 24.03N 92.02E 0 5.0s,5.0 **¶611831467**
BJI I 03 09 08 59.3–.00 24.29N 92.06E 18 5.6L,5.5s
MOS I 03 09 09 00.1–.86 23.98N 92.02E 36 5.5b,5.1s
NEIC I 03 09 09 02.1–1.8 24.02N–.06 92.02E–.07 32–1 5.7,5.5
GCMT I 03 09 09 03.1–.10 23.98N–.01 92.03E–.01 24–0 5.6W,5.5
NDI I 03 09 09 03.1–4.2 24.14N 91.88E 33–16 5.5b,5.4b
BGR I 03 09 09 06.2 24.15N 91.12E 33 5.5b,5.1s
NEIC I 03 09 09 08 23.90N 91.89E 36 5.5b,5.1s
ISC Event type se. Moment Tensor Solution. NP1:φs251.41737°,δ76.77870°,λ28.77567°. NP2: φs154.25798°,δ62.05512°,λ164.99515°. Principal axes: T Plg29.5439°,Azm115.9855°; N Plg58.5701°,Azm274.0265°; P Plg9.7670°,Azm20.3866°
IDC Error ellipse: s-maj=9.8km s-min=8.4km az=51.0.
MOS Error ellipse: s-maj=5.6km s-min=2.9km az=123.6.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=9.1km az=222.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; Mrr-0.11 Mθθ-1.46 Mφφ1.57 Mrθ0.01 Mθφ2.12 Mφr-0.03 NP1:φs162.24000°,δ89.97000°,λ179.27000°. NP2:φs252.24000°,δ89.27000°,λ0.03000°. Principal axes: T 2.6589,Plg1.0000°,Azm117.0000°; N -0.1124,Plg90.0000°,Azm-20.0000°; P -2.5466,Plg0.0000°,Azm207.0000° M0 2.60000$\times10^{17}$
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s117,c194; s150,c305;Duration: 1s5 Moment tensor: Scale 10^{17}Nm; Mrr-0.08±.04 Mθθ-2.42±.04; Mφφ2.50±.04; Mrθ-0.17±.06; Mθφ1.96±.03; Mφr0.14±.06; Best double couple: NP1:φs154.00000°,δ88.00000°,λ-176.00000°. NP2:φs64.00000°,δ86.00000°,λ-2.00000°. Principal axes: T 3.1870,Plg1.0000°,Azm289.0000°; N -0.0700,Plg86.0000°,Azm180.0000°; P -3.1190,Plg4.0000°,Azm19.0000° M0 3.15300$\times10^{17}$
NDI Error ellipse: s-maj=9.4km s-min=10.1km az=-1.0.
BGR Event type ke.
NEIC Event type se. Moment Tensor Solution.Duration: 3s3 Moment tensor: Scale 10^{17}Nm; Mrr0.19 Mθθ-3.74 Mφφ3.54 Mrθ-0.85 Mθφ1.64 Mφr-0.30 NP1:φs56.99000°,δ88.14000°,λ-12.27000°. NP2:φs147.39000°,δ77.74000°,λ-178.10000°. Principal axes: T 3.9542,Plg7.0000°,Azm103.0000°; N 0.2686,Plg78.0000°,Azm228.0000°; P -4.2229,Plg10.0000°,Azm12.0000° M0 4.09000$\times10^{17}$

(171) South of Fiji Islands
ISC I 03 21 52 30.0–.31 19.46S–.03 175.95E–.03 12–1 6.6s,6.5b 2426 3-172
MOS I 03 21 52 28.0–.73 19.41S 175.92E 10 6.5s,6.4b **¶610180859**
IDC I 03 21 52 28.0–.30 19.44S 175.95E 0 6.4s,6.4L
NEIC I 03 21 52 30.7–1.8 19.37S–.07 176.05E–.07 12–1 6.9,6.8
BJI I 03 21 52 30.5–.00 19.30S 175.95E 20 7.0b,7.0s
NOU I 03 21 52 36.1 19.31S 175.93E 52 7.0L,7.0s
GCMT I 03 21 52 37.7–.00 19.28S 176.00E 17–0 6.9W,7.0s
NEIC I 03 21 52 41 18.93S 176.06E 16 6.9W,7.0s
ISC Event type se. Moment Tensor Solution. NP1:φs169.48572°,δ37.99354°,λ-126.90472°. NP2: φs33.10368°,δ60.51251°,λ-64.87145°. Principal axes: T Plg12.0752°,Azm105.2211°; N Plg21.6936°,Azm200.1031°; P Plg64.8662°,Azm348.0925°
MOS Error ellipse: s-maj=6.9km s-min=6.4km az=59.8.
IDC Error ellipse: s-maj=10.6km s-min=10.1km az=90.0.
NEIC Event type se. Error ellipse: s-maj=13.3km s-min=9.3km az=148.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{19}Nm; Mrr-1.19 Mθθ-0.35 Mφφ1.55 Mrθ0.08 Mθφ1.05 Mφr-0.06 NP1:φs217.53000°,δ46.21000°,λ-70.54000°. NP2:φs10.48000°,δ47.11000°,λ-109.17000°. Principal axes: T 2.0133,Plg0.0000°,Azm114.0000°; N -0.7940,Plg14.0000°,Azm24.0000°; P -1.2193,Plg76.0000°,Azm206.0000° M0 1.76000$\times10^{19}$
NOU South of Fiji Islands.
GCMT nsta1 refers to body waves, cutoff=50s. nsta2 refers to surface/mantle waves, cutoff=125s. Triangular moment-rate function. Moment Tensor Solution. s166,c462; s166,c884; Duration: 7s1 Moment tensor: Scale 10^{19}Nm; Mrr-3.02±.01 Mθθ0.39±.01; Mφφ2.62±.01; Mrθ-0.22±.03; Mθφ1.32±.01; Mφr0.00±.02; Best double couple: NP1:φs29.00000°,δ46.00000°,λ-84.00000°. NP2:φs201.00000°,δ44.00000°,λ-96.00000°. Principal axes: T 3.2350,Plg1.0000°,Azm115.0000°; N -0.2060,Plg4.0000°,Azm205.0000°; P -3.0360,Plg86.0000°,Azm14.0000° M0 3.13500$\times10^{19}$
NEIC Event type se. Moment Tensor Solution.Duration: 20s0 Moment tensor: Scale 10^{19}Nm; Mrr-3.03 Mθθ0.32 Mφφ2.71 Mrθ-0.68 Mθφ1.33 Mφr-0.05 NP1:φs192.00000°,δ43.00000°,λ-107.00000°. NP2:φs35.00000°,δ49.00000°,λ-74.00000°. Principal axes: T 3.3184,Plg3.0000°,Azm114.0000°; N -0.1486,Plg12.0000°,Azm205.0000°; P -3.1697,Plg78.0000°,Azm11.0000° M0 3.25000$\times10^{19}$

(171) South of Fiji Islands
ISC I 03 21 55 36.9–.24 19.37S–.06 175.86E–.05 10 5.6b 540 3-172
IDC I 03 21 55 35.0–.36 19.46S 175.88E 0 5.3b,5.2 **¶609975331**
MOS I 03 21 55 35.6–.76 19.38S 175.82E 13 6.6s,5.9b
NEIC I 03 21 55 37.5–1.9 19.40S–.09 175.95E–.08 10–1 5.7b,5.9b
BJI I 03 21 55 38.4–.00 18.88S 175.64E 10 5.4b,5.9b
ISC Event type se.
IDC Error ellipse: s-maj=13.9km s-min=11.8km az=117.0.
MOS Error ellipse: s-maj=11.5km s-min=8.4km az=59.1.
NEIC Event type se. Error ellipse: s-maj=16.3km s-min=10.3km az=145.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(171) South of Fiji Islands
ISC I 03 22 40 14.5–.20 19.20S–.04 176.12E–.04 30 5.7b,5.5s 1258 2-172
IDC I 03 22 40 10.2–.33 19.26S 176.09E 0 5.9L,5.4s **¶615092301**
MOS I 03 22 40 10.2–.74 19.24S 175.99E 11 5.8b,5.4s
BJI I 03 22 40 12.1–.00 18.73S 175.99E 10 6.4b,6.0s
NEIC I 03 22 40 12.6–2.0 19.12S–.08 176.19E–.07 10–1 6.0,5.7b
BGR I 03 22 40 12.1 20.38S 177.11E 33 6.5s,5.7b
GCMT I 03 22 40 16.6–.20 19.13S–.02 176.08E–.01 14–0 6.0W,5.7b
NOU I 03 22 40 18.6 19.22S 176.01E 53 5.5b,5.7b
NEIC I 03 22 40 20.5 19.22S 176.19E 12 5.5b,5.7b
ISC Event type se.
IDC Error ellipse: s-maj=11.1km s-min=10.8km az=90.0.
MOS Error ellipse: s-maj=7.8km s-min=7.8km az=85.9.
NEIC Event type se. Error ellipse: s-maj=13.9km s-min=9.6km az=148.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BGR Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s53,c74; s129,c310;Duration: 2s5 Moment tensor: Scale 10^{18}Nm; Mrr-1.38±.05 Mθθ0.29±.03; Mφφ1.10±.03; Mrθ-0.04±.07; Mθφ0.50±.02; Mφr0.13±.06; Best double couple: NP1:φs202.00000°,δ47.00000°,λ-95.00000°. NP2:φs29.00000°,δ43.00000°,λ-85.00000°. Principal axes: T 1.3400,Plg2.0000°,Azm295.0000°; N 0.0560,Plg3.0000°,Azm205.0000°; P -1.3890,Plg86.0000°,Azm57.0000° M0 1.36500$\times10^{18}$
NOU South of Fiji Islands.
NEIC Event type se. Moment Tensor Solution.Duration: 4s9 Moment tensor: Scale 10^{18}Nm; Mrr-1.00 Mθθ0.21 Mφφ0.79 Mrθ-0.06 Mθφ0.32 Mφr0.45 NP1:φs192.29000°,δ56.95000°,λ-102.62000°. NP2:φs34.60000°,δ35.12000°,λ-71.45000°. Principal axes: T 1.0080,Plg11.0000°,Azm291.0000°; N 0.1106,Plg11.0000°,Azm199.0000°; P -1.1185,Plg75.0000°,Azm67.0000° M0 1.06000$\times10^{18}$

(171) South of Fiji Islands
ISC I 03 23 03 50.9–.30 19.27S–.06 176.12E–.06 10 5.4s,5.2b 502 2-172
BJI I 03 23 03 49.1–.00 19.19S 176.02E 6 5.8b,5.7s **¶610236614**
MOS I 03 23 03 50.1–1.1 19.24S 175.89E 10 5.2b,5.7s
NEIC I 03 23 03 52.5–2.0 19.23S–.08 176.20E–.08 19–1 5.3b,5.7s
IDC I 03 23 03 55.0–4.9 19.31S 175.96E 33–35 4.8,4.6b
ISC Event type se.
MOS Error ellipse: s-maj=9.4km s-min=9.1km az=114.7.
NEIC Event type se. Error ellipse: s-maj=14.2km s-min=8.1km az=136.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=19.1km s-min=13.8km az=134.0.

(181) Fiji Islands region
ISC I 03 23 34 12.0–.31 19.08S–.06 176.29E–.06 10 5.5b,5.1s 564 2-172
MOS I 03 23 34 09.7–1.2 19.14S 176.20E 10 5.3b,5.1s **¶609975339**
BJI I 03 23 34 10.0–.00 19.00S 176.20E 5 5.9b,5.7s
IDC I 03 23 34 11.0–.57 19.10S 176.08E 0 5.0s,4.7
NOU I 03 23 34 12.1 19.06S 176.32E 0 5.1b,4.7
NEIC I 03 23 34 13.1–2.6 19.0S–.10 176.29E–.08 19–3 5.5b,4.7
ISC Event type se.
NOU South of Fiji Islands.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(171) South of Fiji Islands
ISC I 03 23 46 12.1–.35 19.20S–.06 176.20E–.06 10 4.9b,4.6s 219 2-172
IDC I 03 23 46 10.6–.61 19.32S 176.11E 0 4.6b,4.5s **¶609975341**
BJI I 03 23 46 11.0–.00 19.10S 176.30E 5 5.7s,5.5
NEIC I 03 23 46 12.3–1.6 19.18S–.03 176.32E–.07 10–1 5.1b,5.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(181) Fiji Islands region
ISC I 03 23 56 05.2–.37 19.00S–.08 176.25E–.07 10 4.8b 188 2-172
IDC I 03 23 56 03.7–.53 19.01S 176.07E 0 4.8L,4.4b **¶609975342**
NEIC I 03 23 56 05.2–2.4 19.0S–.10 176.34E–.10 10–1 5.0b,4.4b
BJI I 03 23 56 06.0–.00 18.59S 176.09E 10 5.5s,5.3
ISC Event type se.
IDC Error ellipse: s-maj=22.5km s-min=14.9km az=133.0.
NEIC Event type se. Error ellipse: s-maj=24.1km s-min=10.1km az=147.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(181) Fiji Islands region
ISC I 04 00 09 42.9–.28 19.08S–.06 176.22E–.05 10 5.4b,4.9s 776 2-172
BJI I 04 00 09 39.8–.00 19.00S 176.30E 5 5.9b,5.3b **¶610236634**
IDC I 04 00 09 41.5–.41 19.12S 176.08E 0 5.1b,5.0
BGR I 04 00 09 41.3 19.71S 177.12E 10 5.1b,5.0
MOS I 04 00 09 42.0–1.1 18.97S 175.96E 10 5.4b,5.0
NEIC I 04 00 09 43.5–1.8 18.9S–.10 176.33E–.08 19–1 5.4b,5.0
NOU I 04 00 09 46.6 19.10S 176.37E 42 5.3b,5.0
ISC Event type se.
IDC Error ellipse: s-maj=14.9km s-min=12.5km az=135.0.
BGR Event type ke.
MOS Error ellipse: s-maj=10.4km s-min=9.0km az=40.4.
NEIC Event type se. Error ellipse: s-maj=16.3km s-min=8.8km az=153.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU South of Fiji Islands.
(186) Vanuatu Islands
ISC I 04 01 06 10.7–.24 17.85S–.04 167.16E–.03 20 5.5b,5.1s 695 1-166
MOS I 04 01 06 07.6–.99 17.80S 167.12E 13 5.5b,5.1s **¶609975350**
IDC I 04 01 06 07.9–.50 17.77S 167.06E 0 5.8L,5.0
BJI I 04 01 06 08.1–.00 17.34S 167.52E 7 5.4b,5.2s
NOU I 04 01 06 09.3 17.83S 167.14E 0 5.3L,5.2s
NEIC I 04 01 06 10.9–2.1 17.87S–.07 167.12E–.07 22–4 5.6b,5.6
GCMT I 04 01 06 15.9–.30 17.79S–.02 167.00E–.02 29–1 5.7W,5.6
NEIC I 04 01 06 17.9 17.99S 167.13E 30 5.7W,5.6
ISC Event type se. Moment Tensor Solution. NP1:φs74.67500°,δ40.49440°,λ11.57618°. NP2: φs335.82105°,δ82.51248°,λ129.91390°. Principal axes: T Plg39.0410°,Azm281.5638° ; N Plg39.5064°,Azm149.5998°; P Plg26.4611°,Azm35.3702°
MOS Error ellipse: s-maj=8.1km s-min=7.8km az=146.5.
IDC Error ellipse: s-maj=14.3km s-min=13.0km az=56.0.
NOU Vanuatu Islands.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=9.9km az=104.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s19,c21; s108,c141;Duration: 1s6 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.49±.28 $M_{\theta\theta}$-0.90±.17; $M_{\phi\phi}$2.38±.18; $M_{r\theta}$-0.59±.28; $M_{\theta\phi}$2.81±.10; $M_{\phi r}$1.36±.30; Best double couple: NP1:φs171.00000°,δ73.00000°,λ-148.00000°. NP2:φs71.00000°,δ59.00000°,λ-19.00000°. Principal axes: T 4.1400,Plg9.0000° ,Azm298.0000°; N -0.8210,Plg54.0000°,Azm195.0000°; P -3.3240,Plg34.0000° ,Azm35.0000° $M_0$3.73200×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 3s2 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.11 $M_{\theta\theta}$-0.98 $M_{\phi\phi}$1.08 $M_{r\theta}$-0.43 $M_{\theta\phi}$2.74 $M_{\phi r}$0.90 NP1:φs170.45000°,δ85.20000° ,λ-161.84000°. NP2:φs78.88000°,δ71.90000°,λ-5.05000°. Principal axes: T 3.0650,Plg9.0000°,Azm303.0000°; N 0.0655,Plg71.0000°,Azm185.0000° ; P -3.1304,Plg16.0000°,Azm36.0000° $M_0$3.10000×10^{17}
(171) South of Fiji Islands
ISC I 04 03 10 50.9–.26 19.32S–.05 176.12E–.05 10 5.3b,4.7s 634 2-167
MOS I 04 03 10 49.9–1.3 19.34S 176.05E 10 5.4b,4.7s **¶609975356**
IDC I 04 03 10 49.5–.51 19.40S 176.08E 0 5.4L,4.9
BJI I 04 03 10 49.0–.00 19.20S 176.20E 5 5.6b,5.2b
NEIC I 04 03 10 51.0–1.6 19.27S–.09 176.20E–.08 10–1 5.3b,5.2b
GCMT I 04 03 10 54.0–.20 19.23S–.03 175.95E–.01 14–0 5.3W,5.2b
BGR I 04 03 10 55.0 17.92S 178.43E 10 5.3W,5.2b
ISC Event type se.
MOS Error ellipse: s-maj=9.6km s-min=8.7km az=59.9.
IDC Error ellipse: s-maj=17.9km s-min=13.6km az=136.0.
NEIC Event type se. Error ellipse: s-maj=18.3km s-min=9.7km az=143.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s38,c43; s118,c178;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.38±.08 $M_{\theta\theta}$0.31±.04; $M_{\phi\phi}$1.07±.05; $M_{r\theta}$0.17±.12; $M_{\theta\phi}$0.40±.03; $M_{\phi r}$0.27±.09; Best double couple: NP1:φs205.00000°,δ52.00000°,λ-88.00000°. NP2:φs22.00000°,δ38.00000°,λ-93.00000°. Principal axes: T 1.2800,Plg7.0000° ,Azm294.0000°; N 0.1370,Plg2.0000°,Azm24.0000°; P -1.4190,Plg83.0000°,Azm128.0000° $M_0$1.35000×10^{17}
BGR Event type ke.
(171) South of Fiji Islands
ISC I 04 04 01 20.1–.26 19.03S–.05 176.31E–.04 10 5.2b,4.7s 820 2-159
BJI I 04 04 01 17.7–.00 19.02S 176.16E 7 5.8b,5.1b **¶609975357**
IDC I 04 04 01 19.3–.48 19.01S 176.08E 0 4.9,4.9b
MOS I 04 04 01 19.5–1.4 18.97S 176.17E 10 5.2b,4.9b
NEIC I 04 04 01 20.3–1.4 19.0S–.10 176.35E–.08 10–1 5.3b,4.9b
NOU I 04 04 01 22.6 19.02S 176.38E 22 5.1b,4.9b
BGR I 04 04 01 22.6 18.46S 177.63E 10 5.1b,4.9b
GCMT I 04 04 01 24.3–.20 18.97S–.02 176.17E–.01 12 5.4W,4.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU South of Fiji Islands.
BGR Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s72,c97; s120,c215;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.31±.03 $M_{\theta\theta}$-0.15±.03; $M_{\phi\phi}$1.46±.02; $M_{r\theta}$-0.69±.09; $M_{\theta\phi}$0.27±.02; $M_{\phi r}$-0.08±.07; Best double couple: NP1:φs32.00000°,δ54.00000°,λ-59.00000°. NP2:φs167.00000°,δ46.00000°,λ-125.00000°. Principal axes: T 1.5170,Plg4.0000° ,Azm101.0000°; N 0.1110,Plg25.0000°,Azm193.0000°; P -1.6300,Plg65.0000°,Azm2.0000° $M_0$1.57400×10^{17}
(171) South of Fiji Islands
ISC I 04 05 36 09.1–.64 19.29S–.05 176.05E–.04 12–3 5.4b,4.6s 715 2-167
BGR I 04 05 36 06.7 20.05S 176.66E 10 5.4b,4.6s **¶610570409**
IDC I 04 05 36 07.0–.46 19.37S 175.90E 0 6.8L,4.9
BJI I 04 05 36 07.4–.00 18.92S 176.20E 6 5.6b,5.2s
MOS I 04 05 36 07.4–1.1 19.34S 175.87E 10 5.5b,5.2s
NEIC I 04 05 36 09.1–2.5 19.13S–.09 176.00E–.07 10–1 5.5b,5.3
NOU I 04 05 36 10.1 19.21S 176.10E 4 5.1b,5.3
GCMT I 04 05 36 13.1–.10 19.31S–.01 175.88E–.01 12 5.3W,5.3
NEIC I 04 05 36 16.7 19.13S 176.00E 12 5.3W,5.3
ISC Event type se.
BGR Event type ke.
IDC Error ellipse: s-maj=15.6km s-min=12.9km az=163.0.
MOS Error ellipse: s-maj=9.6km s-min=8.1km az=44.0.
NEIC Event type se. Error ellipse: s-maj=16.3km s-min=10.1km az=152.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU South of Fiji Islands.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s88,c127; s138,c230;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.11±.01 $M_{\theta\theta}$0.40±.01; $M_{\phi\phi}$0.71±.01; $M_{r\theta}$-0.20±.05; $M_{\theta\phi}$0.40±.01; $M_{\phi r}$0.25±.05; Best double couple: NP1:φs201.00000°,δ49.00000°,λ-107.00000°. NP2:φs47.00000°,δ44.00000°,λ-71.00000°. Principal axes: T 0.9920,Plg3.0000° ,Azm303.0000°; N 0.1960,Plg13.0000°,Azm213.0000°; P -1.1830,Plg77.0000°,Azm45.0000° $M_0$1.08800×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 2s3 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.06 $M_{\theta\theta}$0.44 $M_{\phi\phi}$0.62 $M_{r\theta}$0.26 $M_{\theta\phi}$0.43 $M_{\phi r}$-0.25 NP1:φs23.67000°,δ47.91000° ,λ-111.67000°. NP2:φs234.33000°,δ46.40000°,λ-67.76000°. Principal axes: T 0.9709,Plg1.0000°,Azm129.0000°; N 0.1919,Plg16.0000°,Azm39.0000° ; P -1.1627,Plg74.0000°,Azm222.0000° $M_0$1.07000×10^{17}
(267) Halmahera
ISC I 04 08 01 41.5–1.0 0.57S–.06 127.90E–.05 35 17 1-62
IDC I 04 08 01 36.0–1.7 0.69S 127.87E 0 3.9L,3.6s **¶610236682**
DJA I 04 08 01 39.7–.30 1S–2.0 128E–2.0 10 5.9b,5.4
ISC Event type ke.
(228) Near east coast of eastern Honshu
ISC I 04 17 53 20.5–.28 37.16N–.02 141.31E–.02 14–1 5.6b,4.8s 2111 0-167
BJI I 04 17 53 17.2–.00 37.00N 141.32E 14 5.3b,5.3s **¶614095170**
IDC I 04 17 53 18.8–.33 37.15N 141.17E 0 5.1b,5.0
MOS I 04 17 53 19.2–.89 37.20N 141.22E 17 5.8b,5.0s
JMA I 04 17 53 20.5–.15 37.1N–.30 141.4E–.80 26–1 5.6,5.3W
NIED I 04 17 53 20.5 37.12N 141.36E 26 5.3W,5.3W
NEIC I 04 17 53 20.7–1.9 37.15N–.04 141.31E–.07 10–1 5.7b,5.3
GCMT I 04 17 53 22.7–.10 37.17N–.01 141.32E–.01 12 5.3W,5.3
BGR I 04 17 53 24.6 37.51N 141.40E 18–0 5.6b,4.8s
NEIC I 04 17 53 24 37.23N 141.34E 12 5.6b,4.8s
ISC Event type ke. Moment Tensor Solution. NP1:φs0.25352°,δ45.44768°,λ-72.37067°. NP2: φs155.88466°,δ47.22330°,λ-107.09936°. Principal axes: T Plg0.9083°,Azm257.8861° ; N Plg12.4636°,Azm167.6853°; P Plg77.5023°,Azm351.9876° Moment Tensor Solution. NP1:φs357.68015°,δ55.94415°,λ-127.11268°. NP2:φs231.17452°,δ48.64814°,λ-48.24548°. Principal axes: T Plg4.0825°,Azm113.0045°; N Plg29.9933°,Azm20.6435°; P Plg59.6724° ,Azm210.0124°
IDC Error ellipse: s-maj=11.9km s-min=9.0km az=84.0.
MOS Error ellipse: s-maj=6.1km s-min=3.8km az=97.3.
JMA Event type fe. E OFF FUKUSHIMA PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}-8.57 $M_{\theta\theta}$0.84 $M_{\phi\phi}$7.74 $M_{r\theta}$0.03 $M_{\theta\phi}$3.21 $M_{\phi r}$1.44 NP1:φs198.00000°,δ49.00000°,λ-95.00000°. NP2:φs25.00000° ,δ41.00000°,λ-85.00000°. $M_0$8.90000×10^{16}
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=5.8km az=248.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-6.50 $M_{\theta\theta}$0.59 $M_{\phi\phi}$5.90 $M_{r\theta}$-0.17 $M_{\theta\phi}$1.96 $M_{\phi r}$1.01 NP1:φs194.04000°,δ49.12000°,λ-95.49000°. NP2:φs22.39000°,δ41.19000° ,λ-83.70000°. Principal axes: T 6.6106,Plg4.0000°,Azm288.0000°; N -0.0147,Plg4.0000° ,Azm198.0000°; P -6.5959,Plg84.0000°,Azm62.0000° $M_0$6.60000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s94,c158; s146,c253;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.88±.01 $M_{\theta\theta}$0.11±.01; $M_{\phi\phi}$0.76±.01; $M_{r\theta}$0.17±.03; $M_{\theta\phi}$0.38±.01; $M_{\phi r}$0.25±.03; Best double couple: NP1:φs208.00000°,δ54.00000°,λ-86.00000°. NP2:φs21.00000°,δ36.00000°,λ-96.00000°. Principal axes: T 0.9910,Plg9.0000° ,Azm295.0000°; N -0.0590,Plg3.0000°,Azm26.0000°; P -0.9320,Plg80.0000°,Azm135.0000° $M_0$0.96200×10^{17}
BGR Event type ke.
NEIC Event type se. Moment Tensor Solution.Duration: 8s0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.88 $M_{\theta\theta}$0.06 $M_{\phi\phi}$0.83 $M_{r\theta}$-0.09 $M_{\theta\phi}$0.41 $M_{\phi r}$-0.45 NP1:φs210.00000°,δ32.00000° ,λ-79.00000°. NP2:φs17.00000°,δ58.00000°,λ-96.00000°. Principal axes: T 1.1049,Plg13.0000°,Azm112.0000°; N -0.1097,Plg6.0000°,Azm21.0000° ; P -0.9952,Plg76.0000°,Azm268.0000° $M_0$1.05000×10^{17}
(181) Fiji Islands region
ISC I 04 20 03 52.9–.86 18.84S–.05 176.14E–.04 13–4 5.2b,5.0s 951 2-168
IDC I 04 20 03 50.8–.44 18.87S 176.16E 0 5.5L,4.8s **¶610570425**
MOS I 04 20 03 51.5–.98 18.86S 176.05E 10 5.3b,5.2s
NEIC I 04 20 03 52.6–2.4 18.8S–.10 176.26E–.08 7–1 5.7,5.6
BGR I 04 20 03 52.3 19.18S 176.69E 10 5.7,5.6
BJI I 04 20 03 54.3–.00 18.44S 175.63E 10 5.8b,5.3s
NOU I 04 20 03 56.1 18.90S 176.34E 36 5.3L,5.3s
GCMT I 04 20 03 57.6–.10 18.86S–.01 176.14E 12–0 5.7W,5.3s
NEIC I 04 20 03 59 18.68S 175.99E 12 5.7W,5.3s
ISC Event type se. Moment Tensor Solution. NP1:φs183.19051°,δ37.85538°,λ-84.15540°. NP2: φs355.80359°,δ52.37575°,λ-94.52528°. Principal axes: T Plg7.2749°,Azm89.0278° ; N Plg3.5828°,Azm358.5698°; P Plg81.8821°,Azm242.5322°
IDC Error ellipse: s-maj=15.5km s-min=12.8km az=140.0.
MOS Error ellipse: s-maj=8.7km s-min=8.0km az=88.0.
NEIC Event type se. Error ellipse: s-maj=18.6km s-min=10.4km az=154.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-2.79 $M_{\theta\theta}$0.73 $M_{\phi\phi}$2.06 $M_{r\theta}$0.76 $M_{\theta\phi}$0.85 $M_{\phi r}$0.94 NP1:φs21.89000°,δ33.03000°,λ-97.63000°. NP2:φs210.97000°,δ57.30000° ,λ-85.07000°. Principal axes: T 2.7315,Plg12.0000°,Azm297.0000°; N 0.3292,Plg4.0000° ,Azm28.0000°; P -3.0607,Plg77.0000°,Azm137.0000° $M_0$2.91000×10^{17}
BGR Event type ke.
NOU Fiji Islands Region.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s148,c277; s159,c345;Duration: 1s7 Moment tensor: Scale 10^{17}Nm; M_{rr}-3.66±.04 $M_{\theta\theta}$0.43±.03; $M_{\phi\phi}$3.23±.03; $M_{r\theta}$-0.92±.09; $M_{\theta\phi}$1.47±.02; $M_{\phi r}$-0.75±.09; Best double couple: NP1:φs31.00000°,δ53.00000°,λ-80.00000°. NP2:φs195.00000°,δ38.00000°,λ-103.00000°. Principal axes: T 4.0050,Plg8.0000° ,Azm114.0000°; N -0.1250,Plg8.0000°,Azm205.0000°; P -3.8840,Plg79.0000° ,Azm341.0000° $M_0$3.94400×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 12s4 Moment tensor: Scale 10^{17}Nm; M_{rr}-3.79 $M_{\theta\theta}$1.16 $M_{\phi\phi}$2.63 $M_{r\theta}$-1.41 $M_{\theta\phi}$1.40 $M_{\phi r}$-0.64 NP1:φs201.00000°,δ36.00000° ,λ-107.00000°. NP2:φs43.00000°,δ56.00000°,λ-77.00000°. Principal axes: T 3.7060,Plg10.0000°,Azm124.0000°; N 0.4726,Plg10.0000°,Azm216.0000° ; P -4.1786,Plg76.0000°,Azm351.0000° $M_0$3.96000×10^{17}
(353) Southern Iran
ISC I 06 02 33 29.6–.53 28.16N–.02 53.15E–.02 16–3 5.3b,4.6s 1343 0-159
IDC I 06 02 33 26.6–.32 28.07N 53.19E 0 5.1,5.1b **¶614428398**
TEH I 06 02 33 27.9 28.16N 53.17E 8–45 5.0L,5.1b
THR I 06 02 33 27.7–1.3 28.08N 53.10E 15 4.9L,5.1b
GCMT I 06 02 33 28.2–.20 28.04N–.02 53.03E–.02 12 5.0W,5.1b
MOS I 06 02 33 29.1–.97 28.11N 53.11E 26 5.4b,4.2s
OMAN I 06 02 33 29.8–.13 28.15N 53.19E 10 6.3b,5.4L
GII I 06 02 33 29.1–.00 28.16N 53.11E 10 6.3b,5.4L
NEIC I 06 02 33 29.2–1.7 28.20N–.06 53.11E–.06 10–1 5.3b,5.0
DSN I 06 02 33 30.7–1.3 27.95N 53.06E 10 5.2L,5.0
NEIC I 06 02 33 36.1 28.31N 52.79E 24 5.2L,5.0
BGR I 06 02 33 50.8 29.27N 50.78E 33 5.1b,3.9s
ISC Event type se.
IDC Error ellipse: s-maj=9.0km s-min=8.2km az=44.0.
TEH Error ellipse: s-maj=1.4km s-min=1.7km az=-1.0.
THR Error ellipse: s-maj=9.4km s-min=3.4km az=-1.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s41,c50; s115,c167;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.49±.07 $M_{\theta\theta}$-1.76±.09; $M_{\phi\phi}$-1.73±.08; $M_{r\theta}$0.16±.29; $M_{\theta\phi}$1.58±.06; $M_{\phi r}$1.12±.27; Best double couple: NP1:φs328.00000°,δ52.00000°,λ106.00000°. NP2:φs123.00000°,δ41.00000°,λ70.00000°. Principal axes: T 3.7630,Plg76.0000° ,Azm292.0000°; N -0.3690,Plg13.0000°,Azm138.0000°; P -3.3940,Plg6.0000°,Azm46.0000° $M_0$3.57900×10^{16}
MOS Error ellipse: s-maj=4.1km s-min=2.5km az=111.8.
OMAN Error ellipse: s-maj=5.0km s-min=3.1km az=247.0.
GII Event type ke.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=9.1km az=200.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

DSN Error ellipse: s-maj=17.9km s-min=4.7km az=3.0.
NEIC Event type se. Moment Tensor Solution.Duration: 1s7 Moment tensor: Scale 10^{16}Nm; M_{rr}3.73 $M_{\theta\theta}$-1.63 $M_{\phi\phi}$-2.10 $M_{r\theta}$-0.19 $M_{\theta\phi}$2.55 $M_{\phi r}$-1.78 NP1:ϕ_s156.39000°,δ56.29000°,λ113.52000°. NP2:ϕ_s298.28000°,δ40.29000°,λ59.11000°. Principal axes: T 4.3786,Plg69.0000°,Azm117.0000°; N 0.2272,Plg19.0000°,Azm323.0000°; P -4.6059,Plg8.0000°,Azm230.0000° $M_0$4.49000×10^{16}
BGR Event type ke.

(706) Northern Sumatera

ISC	**I**	**06 10 24 59.0–.23**	**1.46N–.03**	**98.11E–.03**	**50–1**	**5.2b,4.5s**	**907**	**1-162**
MOS	I	06 10 24 57.7–.97	1.47N	98.10E	55	5.5b,4.6s	**¶610019737**	
BJI	I	06 10 24 57.1–.00	1.43N	98.19E	54	5.2b,5.1b		
GCMT	I	06 10 24 59.2–.20	1.51N–.01	98.05E–.01	72–2	5.0W,5.1b		
DJA	I	06 10 24 59.9–.20	1N–2.0	98E–2.0	61–2	5.7,5.6b		
NEIC	I	06 10 24 59.2–2.0	1.53N–.06	98.14E–.05	42–4	5.4b,5.1		
IDC	I	06 10 25 00.3–1.1	1.42N	98.16E	66–9	4.9,4.6b		
KLM	I	06 10 25 00	1.45N	98.05E	29	5.5b,4.6b		
NEIC	I	06 10 25 01	1.47N	97.98E	46	5.5b,4.6b		

ISC Event type se. Moment Tensor Solution. NP1:ϕ_s145.64601°,δ19.86806°,λ-67.54913°. NP2: ϕ_s301.92719°,δ71.69370°,λ-97.85730°. Principal axes: T Plg26.2902°,Azm38.1168°; N Plg7.4573°,Azm304.4092°; P Plg62.5133°,Azm199.8376°
MOS Error ellipse: s-maj=6.4km s-min=3.7km az=112.5.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s66,c92; s90,c128;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.28±.14 $M_{\theta\theta}$1.18±.14; $M_{\phi\phi}$1.10±.17; $M_{r\theta}$2.69±.08; $M_{\theta\phi}$-0.31±.13; $M_{\phi r}$-2.72±.08; Best double couple: NP1:ϕ_s315.00000°,δ77.00000°,λ-89.00000°. NP2:ϕ_s132.00000°,δ13.00000°,λ-93.00000°. Principal axes: T 3.8400,Plg32.0000°,Azm44.0000°; N 0.8310,Plg1.0000°,Azm135.0000°; P -4.6710,Plg58.0000°,Azm226.0000° $M_0$4.25600×10^{16}
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=6.9km az=192.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=10.1km s-min=6.6km az=49.0.
NEIC Event type se. Moment Tensor Solution.Duration: 2s0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.42 $M_{\theta\theta}$1.15 $M_{\phi\phi}$2.27 $M_{r\theta}$3.05 $M_{\theta\phi}$0.04 $M_{\phi r}$-3.53 NP1:ϕ_s169.00000°,δ16.00000°,λ-66.00000°. NP2:ϕ_s324.00000°,δ75.00000°,λ-96.00000°. Principal axes: T 4.5837,Plg30.0000°,Azm60.0000°; N 1.5970,Plg7.0000°,Azm326.0000°; P -6.1807,Plg59.0000°,Azm225.0000° $M_0$5.56000×10^{16}

(706) Northern Sumatera

ISC	**I**	**06 11 03 31.2–.34**	**1.41N–.04**	**98.08E–.04**	**50**	**4.6b,3.5s**	**148**	**1-146**
IDC	I	06 11 03 23.8–.55	1.34N	97.98E	0	4.3,4.3b	**¶610019739**	
BJI	I	06 11 03 27.5–.00	0.96N	98.01E	66	5.0b,4.6b		
DJA	I	06 11 03 32.2–.20	1N–2.0	98E–2.0	49–5	5.8,5.7		
NEIC	I	06 11 03 32.5–1.5	1.42N–.06	98.07E–.05	57–6	4.8b,5.7		

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

(678) Queen Elizabeth Islands

ISC	**I**	**08 23 47 13.7–.18**	**74.28N–.02**	**92.42W–.02**	**32–1**	**6.0b,5.9s**	**2815**	**1-164**
BJI	I	08 23 47 07.0–.00	74.31N	92.25W	10	6.1s,6.0	**¶611831502**	
IDC	I	08 23 47 09.0–.33	74.32N	92.21W	0	5.8s,5.8L		
OTT	I	08 23 47 11.9–.12	74.27N	92.13W	18	6.0,5.9W		
MOS	I	08 23 47 11.9–.95	74.36N	92.29W	28	6.0b,5.9s		
NEIC	I	08 23 47 14.4–1.6	74.39N–.07	92.4W–.20	31–1	6.1b,6.0		
GCMT	I	08 23 47 15.4–.10	74.44N	92.06W	33–0	6.1W,6.0		
NEIC	I	08 23 47 15	74.32N	92.31W	36	6.1W,6.0		
BGR	I	08 23 47 18.2	74.79N	89.75W	16–0	5.8s,5.7		

ISC Event type ke.
IDC Error ellipse: s-maj=9.3km s-min=7.5km az=160.0.
OTT Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. 93km southeast from Resolute, Nu. Felt Felt at Resolute, Arctic Bay, Grise Fjord, Taloyoak, Nu.
MOS Error ellipse: s-maj=13.8km s-min=3.6km az=81.4.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=8.2km az=190.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}6.42 $M_{\theta\theta}$-5.33 $M_{\phi\phi}$-1.09 $M_{r\theta}$-0.18 $M_{\theta\phi}$5.14 $M_{\phi r}$1.05 NP1:ϕ_s113.32000°,δ43.19000°,λ74.87000°. NP2:ϕ_s313.67000°,δ48.65000°,λ103.77000°. Principal axes: T 6.5922,Plg79.0000°,Azm289.0000°; N 2.2108,Plg10.0000°,Azm124.0000°; P -8.8030,Plg3.0000°,Azm34.0000° $M_0$7.93000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s165,c391; s164,c597; Duration: 2s7 Moment tensor: Scale 10^{18}Nm; M_{rr}1.57±.01 $M_{\theta\theta}$-0.83±.01; $M_{\phi\phi}$-0.74±.01; $M_{r\theta}$-0.17±.01; $M_{\theta\phi}$0.95±.01; $M_{\phi r}$0.16±.01; Best double couple: NP1:ϕ_s314.00000°,δ49.00000°,λ90.00000°. NP2:ϕ_s134.00000°,δ41.00000°,λ90.00000°. Principal axes: T 1.5860,Plg86.0000°,Azm225.0000°; N 0.1650,Plg0.0000°,Azm134.0000°; P -1.7530,Plg4.0000°,Azm44.0000° $M_0$1.67000×10^{18}
NEIC Event type se. Moment Tensor Solution.Duration: 6s0 Moment tensor: Scale 10^{18}Nm; M_{rr}1.33 $M_{\theta\theta}$-0.71 $M_{\phi\phi}$-0.61 $M_{r\theta}$-0.05 $M_{\theta\phi}$0.71 $M_{\phi r}$0.13 NP1:ϕ_s130.00000°,δ42.00000°,λ86.00000°. NP2:ϕ_s316.00000°,δ48.00000°,λ93.00000°. Principal axes: T 1.3352,Plg86.0000°,Azm269.0000°; N 0.0506,Plg3.0000°,Azm133.0000°; P -1.3858,Plg3.0000°,Azm43.0000° $M_0$1.36000×10^{18}
BGR Event type ke.

(249) Luzon

ISC	**I**	**09 09 20 15.1–.43**	**18.09N–.04**	**120.51E–.05**	**33–1**	**4.8b,3.8s**	**200**	**4-153**
MAN	I	09 09 20 15.2	18.24N	120.30E	29	5.6b,4.9s	**¶611831520**	
NEIC	I	09 09 20 16.1–1.9	18.07N–.07	120.6E–.10	37–7	4.8b,4.9s		
GCMT	I	09 09 20 17.1–.30	18.33N–.02	120.17E–.03	39–1	4.9W,4.9s		
IDC	I	09 09 20 18.9–2.6	17.96N	120.52E	78–22	4.4,4.1b		
BJI	I	09 09 20 18.6–.00	18.27N	120.15E	40	4.9b,4.5b		
DJA	I	09 09 20 21.2–.70	18N–3.0	120E–6.0	89–8	5.6,5.5b		

ISC Event type fe.
MAN Event type fe. INTENSITY IV - LAOAG CITY PASUQUIN PAOAY AND BACARRA ILOCOS NORTE; INTENSITY III - VIGAN CITY AND SINAIT ILOCOS SUR; SARRAT ILOCOS NORTE; LA PAZ ABRA.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s27,c31; s70,c95;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.38±.20 $M_{\theta\theta}$0.58±.12; $M_{\phi\phi}$-1.96±.13; $M_{r\theta}$-1.01±.10; $M_{\theta\phi}$-1.50±.09; $M_{\phi r}$0.34±.12; Best double couple: NP1:ϕ_s239.00000°,δ61.00000°,λ142.00000°. NP2:ϕ_s350.00000°,δ58.00000°,λ36.00000°. Principal axes: T 2.3920,Plg46.0000°,Azm204.0000°; N 0.2670,Plg44.0000°,Azm27.0000°; P -2.6590,Plg2.0000°,Azm295.0000° $M_0$2.52500×10^{16}

(274) Southern Sumatera

ISC	**I**	**09 11 28 36.6–.22**	**1.69S–.03**	**100.40E–.03**	**57–1**	**5.6b,4.8s**	**1519**	**1-176**
BGR	I	09 11 28 24.4	4.09S	101.77E	46–0	5.6b,4.6s	**¶610570545**	
BJI	I	09 11 28 35.1–.00	1.70S	100.32E	67	5.4b,5.3b		
NEIC	I	09 11 28 36.2–1.9	1.72S–.06	100.35E–.07	44–1	5.6b,5.5		
MOS	I	09 11 28 36.7–1.1	1.47S	100.49E	65	5.8b,4.7s		
DJA	I	09 11 28 37.1–.20	2S–2.0	100E–2.0	69–2	5.8,5.7b		
IDC	I	09 11 28 38.3–.69	1.59S	100.38E	70–5	5.5,5.2b		
GCMT	I	09 11 28 39.2–.10	1.76S–.01	100.19E–.01	52–0	5.5W,5.2b		
KLM	I	09 11 28 40	1.54S	100.03E	99	5.6b,5.2b		
NEIC	I	09 11 28 44.9	1.61S	100.17E	60	5.6b,5.2b		

ISC Event type se. Moment Tensor Solution. NP1:ϕ_s272.50559°,δ23.68139°,λ48.93800°. NP2: ϕ_s136.07571°,δ72.37150°,λ106.07135°. Principal axes: T Plg59.5087°,Azm68.7684°; N Plg15.2977°,Azm311.0894°; P Plg25.6848°,Azm213.5303° Moment Tensor Solution. NP1:ϕ_s315.57828°,δ47.06466°,λ118.86816°. NP2:ϕ_s96.59341°,δ50.12281°,λ62.57484°. Principal axes: T Plg69.2312°,Azm299.8904°; N Plg20.6995°,Azm114.9954°; P Plg1.6219°,Azm205.6085° Moment Tensor Solution. NP1:ϕ_s168.03020°,δ64.89670°,λ63.33109°. NP2: ϕ_s37.84336°,δ35.98137°,λ133.77161°. Principal axes: T Plg60.7139°,Azm37.5791°; N Plg23.9814°,Azm180.0593°; P Plg15.7955°,Azm277.2885°
BGR Event type ke.
NEIC Event type se. Error ellipse: s-maj=11.6km s-min=9.4km az=63.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.85 $M_{\theta\theta}$-0.21 $M_{\phi\phi}$-1.64 $M_{r\theta}$0.76 $M_{\theta\phi}$0.83 $M_{\phi r}$-0.30 NP1:ϕ_s139.73000°,δ55.58000°,λ70.93000°. NP2:ϕ_s351.18000°,δ38.78000°,λ115.49000°. Principal axes: T 2.1019,Plg72.0000°,Azm1.0000°; N 0.0092,Plg16.0000°,Azm151.0000°; P -2.1111,Plg9.0000°,Azm243.0000° $M_0$2.11000×10^{17}
MOS Error ellipse: s-maj=7.4km s-min=3.6km az=118.2.
IDC Error ellipse: s-maj=11.9km s-min=9.4km az=46.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s129,c241; s123,c234;Duration: 1s3 Moment tensor: Scale 10^{17}Nm; M_{rr}1.59±.03 $M_{\theta\theta}$-0.79±.02; $M_{\phi\phi}$-0.80±.03; $M_{r\theta}$1.03±.02; $M_{\theta\phi}$0.87±.02; $M_{\phi r}$-0.56±.02; Best double couple: NP1:ϕ_s125.00000°,δ63.00000°,λ81.00000°. NP2:ϕ_s325.00000°,δ28.00000°,λ107.00000°. Principal axes: T 1.9940,Plg71.0000°,Azm16.0000°; N 0.0280,Plg8.0000°,Azm130.0000°; P -2.0260,Plg18.0000°,Azm222.0000° $M_0$2.01000×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 2s7 Moment tensor: Scale 10^{17}Nm; M_{rr}1.10 $M_{\theta\theta}$-0.71 $M_{\phi\phi}$-0.39 $M_{r\theta}$0.85 $M_{\theta\phi}$0.84 $M_{\phi r}$-0.43 NP1:ϕ_s120.05000°,δ64.02000°,λ79.91000°. NP2:ϕ_s322.15000°,δ27.75000°,λ109.77000°. Principal axes: T 1.4419,Plg69.0000°,Azm10.0000°; N 0.2762,Plg9.0000°,Azm125.0000°; P -1.7180,Plg18.0000°,Azm218.0000° $M_0$1.58000×10^{17}

(216) Mariana Islands

ISC	**I**	**10 10 01 35.6–.25**	**14.60N–.04**	**144.30E–.04**	**27**	**5.1b,5.1s**	**556**	**1-155**
BJI	I	10 10 01 30.5–.00	14.84N	144.50E	10	5.5b,5.3s	**¶610051540**	
IDC	I	10 10 01 31.4–.46	14.70N	144.32E	0	4.9s,4.6		
DJA	I	10 10 01 32.8–.30	15N–4.0	144E–5.0	10	5.8b,5.3		
MOS	I	10 10 01 32.7–.95	14.66N	144.22E	21	5.2b,5.0s		
NEIC	I	10 10 01 33.1–1.7	14.69N–.08	144.34E–.09	10–1	5.7,5.2b		
KLM	I	10 10 01 36	14.64N	144.57E	39	5.2b,5.2b		
GCMT	I	10 10 01 38.1–.30	14.53N–.03	144.12E–.02	20–1	5.8W,5.2b		
NEIC	I	10 10 01 40	14.59N	144.24E	16	5.8W,5.2b		

ISC Event type se.
IDC Error ellipse: s-maj=18.8km s-min=10.2km az=73.0.
MOS Error ellipse: s-maj=10.7km s-min=4.8km az=116.7.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=13.7km az=247.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s24,c25; s109,c182;Duration: 1s9 Moment tensor: Scale 10^{17}Nm; M_{rr}-6.10±.39 $M_{\theta\theta}$1.40±.20; $M_{\phi\phi}$4.71±.24; $M_{r\theta}$-0.92±.53; $M_{\theta\phi}$0.71±.13; $M_{\phi r}$0.44±.39; Best double couple: NP1:ϕ_s184.00000°,δ47.00000°,λ-100.00000°. NP2:ϕ_s19.00000°,δ44.00000°,λ-79.00000°. Principal axes: T 4.8620,Plg1.0000°,Azm281.0000°; N 1.3830,Plg7.0000°,Azm191.0000°; P -6.2350,Plg82.0000°,Azm21.0000° $M_0$5.54900×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 14s0 Moment tensor: Scale 10^{17}Nm; M_{rr}-4.28 $M_{\theta\theta}$0.62 $M_{\phi\phi}$3.66 $M_{r\theta}$-0.72 $M_{\theta\phi}$0.85 $M_{\phi r}$0.37 NP1:ϕ_s24.00000°,δ44.00000°,λ-76.00000°. NP2:ϕ_s185.00000°,δ47.00000°,λ-102.00000°. Principal axes: T 3.8874,Plg1.0000°,Azm284.0000°; N 0.5269,Plg9.0000°,Azm194.0000°; P -4.4143,Plg81.0000°,Azm22.0000° $M_0$4.18000×10^{17}

(193) Bougainville-Solomon Islands region

ISC	**I**	**10 15 27 15.5–.26**	**10.18S–.03**	**161.02E–.03**	**40–2**	**6.3s,6.1b**	**2021**	**1-166**
BJI	I	10 15 27 11.6–.00	10.10S	161.06E	20	6.1b,6.1s	**¶610180874**	
NEIC	I	10 15 27 14.8–1.4	10.11S–.07	161.03E–.06	26–1	6.4,6.3		
MOS	I	10 15 27 16.0–.75	10.14S	160.97E	55	6.2b,6.2s		
IDC	I	10 15 27 17.9–1.0	10.17S	161.01E	57–8	6.1s,5.7		
GCMT	I	10 15 27 17.8–.10	10.21S	161.03E	32–0	6.3W,5.7		
NEIC	I	10 15 27 22	10.23S	161.09E	30	6.3W,5.7		

ISC Event type se. Moment Tensor Solution. NP1:ϕ_s2.70693°,δ46.60951°,λ117.39972°. NP2: ϕ_s145.67088°,δ49.82180°,λ64.04295°. Principal axes: T Plg70.3835°,Azm348.4672°; N Plg19.5372°,Azm163.1068°; P Plg1.6937°,Azm253.7081°
NEIC Event type se. Error ellipse: s-maj=13.0km s-min=9.3km az=207.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}2.15 $M_{\theta\theta}$-0.69 $M_{\phi\phi}$-1.46 $M_{r\theta}$-0.25 $M_{\theta\phi}$1.34 $M_{\phi r}$0.28 NP1:ϕ_s144.08000°,δ40.39000°,λ91.54000°. NP2:ϕ_s322.05000°,δ49.62000°,λ88.69000°. Principal axes: T 2.1770,Plg85.0000°,Azm221.0000°; N 0.3238,Plg1.0000°,Azm323.0000°; P -2.5008,Plg5.0000°,Azm53.0000° $M_0$2.36000×10^{18}
MOS Error ellipse: s-maj=6.2km s-min=5.0km az=104.0.
IDC Error ellipse: s-maj=10.9km s-min=7.8km az=54.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s161,c383; s150,c484; Duration: 3s3 Moment tensor: Scale 10^{18}Nm; M_{rr}3.06±.02 $M_{\theta\theta}$-1.03±.01; $M_{\phi\phi}$-2.04±.01; $M_{r\theta}$-0.35±.02; $M_{\theta\phi}$1.34±.01; $M_{\phi r}$0.15±.02; Best double couple: NP1:ϕ_s322.00000°,δ48.00000°,λ85.00000°. NP2:ϕ_s149.00000°,δ42.00000°,λ95.00000°. Principal axes: T 3.0900,Plg85.0000°,Azm186.0000°; N -0.1160,Plg4.0000°,Azm325.0000°; P -2.9850,Plg3.0000°,Azm55.0000° $M_0$3.03800×10^{18}
NEIC Event type se. Moment Tensor Solution.Duration: 10s0 Moment tensor: Scale 10^{18}Nm; M_{rr}3.98 $M_{\theta\theta}$-1.44 $M_{\phi\phi}$-2.54 $M_{r\theta}$-0.23 $M_{\theta\phi}$1.42 $M_{\phi r}$-0.10 NP1:ϕ_s149.00000°,δ45.00000°,λ95.00000°. NP2:ϕ_s322.00000°,δ45.00000°,λ85.00000°. Principal axes: T 3.9917,Plg87.0000°,Azm152.0000°; N -0.4788,Plg3.0000°,Azm326.0000°; P -3.5128,Plg0.0000°,Azm56.0000° $M_0$3.78000×10^{18}

(193) Bougainville-Solomon Islands region

ISC	**I**	**11 02 49 18.0–.45**	**6.19S–.04**	**154.48E–.05**	**58–3**	**5.0b,4.1s**	**457**	**3-152**
MOS	I	11 02 49 15.0–1.4	6.09S	154.44E	42	4.9b,4.1s	**¶610051737**	
BJI	I	11 02 49 16.3–.00	5.59S	154.45E	30	5.2b,4.8b		
IDC	I	11 02 49 17.3–1.3	6.09S	154.61E	61–10	4.7,4.4b		
DJA	I	11 02 49 19.3–.50	6S–3.0	154E–4.0	57–5	5.9,5.6b		
GCMT	I	11 02 49 19.1–.20	6.31S–.02	154.44E–.02	43–1	5.1W,5.6b		
NEIC	I	11 02 49 19.1–1.3	6.12S–.07	154.46E–.07	69–4	5.1b,5.6b		

ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s44,c55; s83,c106;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.70±.22 $M_{\theta\theta}$0.59±.18; $M_{\phi\phi}$-3.29±.16; $M_{r\theta}$-0.13±.15; $M_{\theta\phi}$2.41±.12; $M_{\phi r}$-3.10±.17; Best double couple: NP1:ϕ_s178.00000°,δ69.00000°,λ117.00000°. NP2:ϕ_s304.00000°,δ34.00000°,λ41.00000°. Principal axes: T 4.3640,Plg57.0000°,Azm125.0000°; N 1.0390,Plg25.0000°,Azm348.0000°; P -5.4040,Plg19.0000°,Azm249.0000° $M_0$4.88400×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(210) South of Mariana Islands

ISC	**I**	**11 14 38 40.3–.40**	**12.21N–.03**	**141.05E–.03**	**22–4**	**5.4b,4.8s**	**997**	**4-173**
BJI	I	11 14 38 38.3–.00	12.47N	141.13E	9	5.5b,5.1s	**¶611831546**	
NEIC	I	11 14 38 38.7–2.0	12.22N–.08	141.07E–.08	8–1	5.5b,5.2		
MOS	I	11 14 38 40.3–.98	12.20N	141.10E	36	5.7b,5.2s		
GCMT	I	11 14 38 40.7–.10	12.25N–.01	140.93E–.01	12	5.4W,5.2s		
IDC	I	11 14 38 43.3–1.6	12.21N	141.10E	46–16	5.2,5.0b		
NEIC	I	11 14 38 44.4	12.24N	141.06E	12	5.2,5.0b		
DJA	I	11 14 38 45.1–.50	12N–3.0	141E–3.0	62–5	5.7b,5.6		
KLM	I	11 14 38 47	12.19N	141.51E	112	5.4b,5.6		

ISC Event type se. Moment Tensor Solution. NP1:ϕ_s263.83603°,δ48.10446°,λ-92.92912°. NP2: ϕ_s88.21769°,δ41.97892°,λ-86.73988°. Principal axes: T Plg3.0650°,Azm355.9098°; N Plg2.1799°,Azm265.7930°; P Plg86.2376°,Azm140.4235° Moment Tensor Solution. NP1: ϕ_s30.19207°,δ48.80674°,λ-108.56687°. NP2:ϕ_s237.21414°,δ44.49373°,λ-70.00839°. Principal axes: T Plg2.2177°,Azm133.2137°; N Plg13.8631°,Azm42.6661°; P Plg75.9536°,Azm232.1183°
NEIC Event type se. Error ellipse: s-maj=13.9km s-min=12.8km az=248.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-7.97 $M_{\theta\theta}$5.44 $M_{\phi\phi}$2.53 $M_{r\theta}$2.16 $M_{\theta\phi}$4.44 $M_{\phi r}$3.22 NP1:ϕ_s63.52000°,δ33.89000°,λ-74.61000°. NP2:ϕ_s225.17000°,δ57.48000°,λ-100.11000°. Principal axes: T 9.4289,Plg12.0000°,Azm322.0000°; N -0.4891,Plg9.0000°,Azm231.0000°; P -8.9398,Plg75.0000°,Azm106.0000° $M_0$9.19000×10^{16}
MOS Error ellipse: s-maj=8.0km s-min=4.1km az=116.8.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s106,c165; s141,c249;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.98±.01 $M_{\theta\theta}$0.84±.01; $M_{\phi\phi}$0.13±.01; $M_{r\theta}$1.04±.04; $M_{\theta\phi}$0.35±.01; $M_{\phi r}$0.76±.04; Best double couple: NP1:ϕ_s237.00000°,δ72.00000°,λ-97.00000°. NP2:ϕ_s77.00000°,δ20.00000°,λ-71.00000°. Principal axes: T 1.6040,Plg26.0000°,Azm332.0000°; N 0.0250,Plg6.0000°,Azm239.0000°; P -1.6290,Plg63.0000°,Azm136.0000° $M_0$1.61600×10^{17}
IDC Error ellipse: s-maj=10.7km s-min=7.3km az=78.0.
NEIC Event type se. Moment Tensor Solution.Duration: 2s2 Moment tensor: Scale 10^{16}Nm; M_{rr}-7.67 $M_{\theta\theta}$5.92 $M_{\phi\phi}$1.76 $M_{r\theta}$-2.53 $M_{\theta\phi}$3.83 $M_{\phi r}$2.23 NP1:ϕ_s79.11000°,δ52.38000°,λ-63.57000°. NP2:ϕ_s219.95000°,δ44.83000°,λ-120.01000°. Principal axes: T 8.2679,Plg4.0000°,Azm151.0000°; N 0.6899,Plg21.0000°,Azm242.0000°; P -8.9578,Plg69.0000°,Azm50.0000° $M_0$8.61000×10^{16}

(583) Madagascar

ISC	**I**	**11 22 06 59.9–.40**	**20.14S–.03**	**46.72E–.04**	**16–2**	**5.5b,5.4s**	**1018**	**1-160**
MOS	I	11 22 06 56.9–.62	20.14S	46.71E	13	5.7b,4.8s	**¶610570621**	
IDC	I	11 22 06 56.8–.43	20.18S	46.68E	0	5.5L,5.1s		

NEIC I 11 22 06 58.1 20.26S 46.42E 12 5.5L,5.1s
NEIC I 11 22 06 58.7–1.4 20.16S–.04 46.65E–.09 7–3 5.5,5.5
BJI I 11 22 07 03.5–.00 19.83S 47.33E 26 5.6b,5.3s
GCMT I 11 22 07 04.7–.10 20.11S–.01 46.74E–.01 35–0 5.6W,5.3s
BGR I 11 22 07 12.2 18.28S 46.50E 35–0 5.3b,5.1s
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s147.69792°,δ47.36560°,λ-168.78845°. NP2: ϕ_s50.05143°,δ81.77610°,λ-43.18493°. Principal axes: T Plg22.1969°,Azm106.2129° ; N Plg46.1909°,Azm221.3860°; P Plg35.4563°,Azm359.3206°
MOS Error ellipse: s-maj=11.2km s-min=5.2km az=92.2.
IDC Error ellipse: s-maj=11.5km s-min=9.5km az=95.0.
NEIC Event type se. Moment Tensor Solution.Duration: 2^s9 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.68 $M_{\theta\theta}$-0.72 $M_{\phi\phi}$1.40 $M_{r\theta}$-1.15 $M_{\theta\phi}$0.90 $M_{\phi r}$-0.41 NP1:ϕ_s57.64000°,δ75.73000° ,λ-45.15000°. NP2:ϕ_s161.55000°,δ46.60000°,λ-160.17000°. Principal axes: T 1.9873,Plg18.0000°,Azm116.0000°; N -0.0923,Plg43.0000°,Azm224.0000° ; P -1.8950,Plg41.0000°,Azm9.0000° $M_0$1.94000×10^{17}
NEIC Event type se. Error ellipse: s-maj=12.9km s-min=4.6km az=103.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s102,c162; s145,c225;Duration: 1^s6 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.81±.07 $M_{\theta\theta}$-1.82±.05; $M_{\phi\phi}$3.62±.05; $M_{r\theta}$-0.58±.08; $M_{\theta\phi}$1.84±.04; $M_{\phi r}$-0.59±.07; Best double couple: NP1:ϕ_s57.00000°,δ75.00000°,λ-26.00000°. NP2:ϕ_s154.00000°,δ65.00000°,λ-164.00000°. Principal axes: T 4.2740,Plg7.0000° ,Azm107.0000°; N -1.6920,Plg61.0000°,Azm210.0000°; P -2.5920,Plg29.0000° ,Azm14.0000° $M_0$3.43300×10^{17}
BGR Event type ke.

(70) Guatemala

ISC I 12 03 22 45.9–.34 13.94N–.04 91.17W–.04 51–2 5.3b,4.6s 1237 1-153
IDC I 12 03 22 40.4–2.0 13.98N 90.79W 14–11 5.3L,5.0 **¶610057044**
UPA I 12 03 22 41.0–.60 14.47N 91.40W 10–999 4.9W,5.0
SNET I 12 03 22 44.1–1.1 13.74N 91.32W 17 5.8L,5.0
GCG I 12 03 22 45.1–1.3 13.73N 91.36W 53 5.2,5.0
GCMT I 12 03 22 45.9–.20 13.72N–.01 91.57W–.01 40–1 5.3W,5.0
MOS I 12 03 22 46.6–1.3 14.02N 91.03W 69 5.5b,5.0
NEIC I 12 03 22 46.9–2.0 13.91N–.07 91.24W–.07 54–4 5.4b,5.3
INET I 12 03 22 48.3–2.0 13.91N 91.09W 18–17 4.8W,5.3
NEIC I 12 03 22 58.2 13.98N 91.16W 36 4.8W,5.3
ISC Event type se.
IDC Error ellipse: s-maj=19.7km s-min=12.1km az=52.0.
UPA Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
SNET Error ellipse: s-maj=7.3km s-min=6.3km az=-1.0.
GCG Error ellipse: s-maj=95.1km s-min=23.7km az=-1.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s100,c143; s118,c184;Duration: 1^s1 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.15±.02 $M_{\theta\theta}$-0.64±.02; $M_{\phi\phi}$0.79±.02; $M_{r\theta}$-0.59±.03; $M_{\theta\phi}$-0.64±.02; $M_{\phi r}$0.43±.03; Best double couple: NP1:ϕ_s117.00000°,δ88.00000°,λ-143.00000°. NP2:ϕ_s25.00000°,δ53.00000°,λ-3.00000°. Principal axes: T 1.3060,Plg24.0000° ,Azm245.0000°; N -0.2160,Plg53.0000°,Azm119.0000°; P -1.0910,Plg27.0000° ,Azm348.0000° $M_0$1.19900×10^{17}
MOS Error ellipse: s-maj=10.3km s-min=5.2km az=108.2.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=6.7km az=222.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
INET Error ellipse: s-maj=10.6km s-min=11.1km az=-1.0.
NEIC Event type se. Moment Tensor Solution.Duration: 2^s3 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.20 $M_{\theta\theta}$-0.46 $M_{\phi\phi}$0.66 $M_{r\theta}$-0.65 $M_{\theta\phi}$-0.56 $M_{\phi r}$0.36 NP1:ϕ_s117.53000°,δ83.74000° ,λ-134.96000°. NP2:ϕ_s21.29000°,δ45.30000°,λ-8.82000°. Principal axes: T 1.1596,Plg25.0000°,Azm241.0000°; N -0.1392,Plg45.0000°,Azm124.0000° ; P -1.0205,Plg35.0000°,Azm350.0000° $M_0$1.09000×10^{17}

(274) Southern Sumatera

ISC I 12 13 29 09.2–.33 5.25S–.04 102.81E–.04 51–2 5.4b,4.5s 909 1-153
BJI I 12 13 29 01.8–.00 5.91S 102.86E 52 5.3b,5.3b **¶611831554**
MOS I 12 13 29 04.6–.94 4.97S 103.01E 21 5.6b,4.5s
NEIC I 12 13 29 06.3–2.5 5.27S–.05 102.72E–.07 23–3 5.5b,4.5s
DJA I 12 13 29 07.3–.20 5S–2.0 103E–2.0 49–2 6.8,6.1
IDC I 12 13 29 09.7–.42 5.08S 102.93E 47–3 5.2,4.9b
GCMT I 12 13 29 10.3–.20 5.55S–.01 102.69E–.02 50–1 5.1W,4.9b
KLM I 12 13 29 11 5.25S 102.57E 83 5.6b,4.9b
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s133.61438°,δ70.46413°,λ105.90690°. NP2: ϕ_s273.17529°,δ24.99495°,λ52.31654°. Principal axes: T Plg61.3228°,Azm67.4338° ; N Plg14.9690°,Azm308.1706°; P Plg23.8553°,Azm211.3805° Moment Tensor Solution. NP1:ϕ_s92.26687°,δ47.97710°,λ58.66044°. NP2:ϕ_s314.55859°,δ50.61772°,λ119.99249°. Principal axes: T Plg67.2217°,Azm290.4784°; N Plg22.7293°,Azm114.4452°; P Plg1.4156° ,Azm23.8521°
MOS Error ellipse: s-maj=8.3km s-min=4.2km az=113.7.
NEIC Event type se. Error ellipse: s-maj=9.7km s-min=6.6km az=101.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=12.5km s-min=8.1km az=48.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s74,c113; s91,c135;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}4.55±.15 $M_{\theta\theta}$-3.07±.11; $M_{\phi\phi}$-1.48±.12; $M_{r\theta}$2.59±.10; $M_{\theta\phi}$2.67±.08; $M_{\phi r}$-1.50±.10; Best double couple: NP1:ϕ_s123.00000°,δ61.00000°,λ86.00000°. NP2:ϕ_s311.00000°,δ29.00000°,λ97.00000°. Principal axes: T 5.4180,Plg74.0000° ,Azm23.0000°; N 0.4900,Plg3.0000°,Azm125.0000°; P -5.9080,Plg16.0000°,Azm216.0000° $M_0$5.66300×10^{16}

(83) South of Panama

ISC I 12 16 06 33.4–.39 5.97N–.03 77.93W–.03 22–3 5.5b,4.5s 1624 1-171
MOS I 12 16 06 30.6–1.0 6.02N 78.05W 9 5.7b,4.5s **¶610570638**
BJI I 12 16 06 31.8–.00 6.00N 77.90W 10 5.7b,5.7s
VAO I 12 16 06 32.2–.20 5.77N 77.95W 10 5.2b,5.7s
NEIC I 12 16 06 32.1–1.6 6.06N–.06 77.94W–.06 6–2 5.5b,5.2
RSNC I 12 16 06 32.4–1.2 5.96N 77.93W 20–4 5.3b,4.7W
UPA I 12 16 06 34.2–2.3 6.24N 78.03W 3–42 5.1W,4.7W
IDC I 12 16 06 35.3–.60 6.00N 77.96W 30–3 5.2,5.0b
GCMT I 12 16 06 36.9–.10 6.08N–.01 77.97W–.01 18–0 5.2W,5.0b
NEIC I 12 16 06 36.6 6.05N 77.84W 12 5.2W,5.0b
BGR I 12 16 06 43.8 6.94N 76.79W 33 5.7b,4.6s
ISC Event type se.
MOS Error ellipse: s-maj=8.3km s-min=5.2km az=103.4.
VAO Error ellipse: s-maj=3.2km s-min=3.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=7.5km az=49.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-7.37 $M_{\theta\theta}$5.02 $M_{\phi\phi}$2.36 $M_{r\theta}$-2.41 $M_{\theta\phi}$-4.50 $M_{\phi r}$1.65 NP1:ϕ_s307.87000°,δ34.83000°,λ-88.28000°. NP2:ϕ_s125.78000° ,δ55.18000°,λ-91.20000°. Principal axes: T 8.8998,Plg10.0000°,Azm217.0000° ; N -1.0019,Plg1.0000°,Azm126.0000°; P -7.8979,Plg80.0000°,Azm31.0000° $M_0$8.44000×10^{16}
RSNC Error ellipse: s-maj=2.9km s-min=3.2km az=-1.0. Moment Tensor Solution. NP1:ϕ_s53.00000° ,δ45.00000°,λ-122.00000°.
UPA Error ellipse: s-maj=45.5km s-min=33.2km az=-1.0.
IDC Error ellipse: s-maj=15.7km s-min=10.2km az=62.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s102,c153; s135,c210;Duration: 1^s0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.72±.01 $M_{\theta\theta}$0.67±.01; $M_{\phi\phi}$0.05±.01; $M_{r\theta}$-0.31±.02; $M_{\theta\phi}$-0.16±.01; $M_{\phi r}$0.20±.03; Best double couple: NP1:ϕ_s112.00000°,δ59.00000°,λ-81.00000°. NP2:ϕ_s275.00000°,δ32.00000°,λ-104.00000°. Principal axes: T 0.7890,Plg13.0000° ,Azm196.0000°; N 0.0280,Plg7.0000°,Azm287.0000°; P -0.8180,Plg75.0000°,Azm46.0000° $M_0$0.80300×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 2^s0 Moment tensor: Scale 10^{16}Nm; M_{rr}-5.54 $M_{\theta\theta}$4.95 $M_{\phi\phi}$0.59 $M_{r\theta}$-3.68 $M_{\theta\phi}$-1.05 $M_{\phi r}$1.94 NP1:ϕ_s111.60000°,δ63.93000° ,λ-82.82000°. NP2:ϕ_s275.61000°,δ26.97000°,λ-104.33000°. Principal axes: T 6.5446,Plg19.0000°,Azm196.0000°; N 0.4685,Plg6.0000°,Azm288.0000° ; P -7.0131,Plg70.0000°,Azm37.0000° $M_0$6.78000×10^{16}
BGR Event type ke.

(266) Northern Molucca Sea

ISC I 13 08 11 11.6–1.2 2.62N–.06 126.4E–.10 10 3.4b 12 1-62
IDC I 13 08 11 10.1–1.7 2.18N 125.14E 0 3.4,3.4b **¶610237287**
DJA I 13 08 11 13.8–.40 3N–4.0 126E–4.0 10 6.0b,5.7
ISC Event type ke.

(269) Southern Molucca Sea

ISC I 13 16 39 25.7–.23 0.10S–.02 124.99E–.03 50–1 5.6b,4.8s 1556 2-174
BJI I 13 16 39 22.6–.00 0.16S 125.10E 45 5.4b,5.4b **¶611831560**
MOS I 13 16 39 22.9–1.2 0.03S 124.98E 40 5.9b,4.8s
KLM I 13 16 39 23 0.32S 125.23E 10 5.7b,4.8s
IDC I 13 16 39 23.2–2.1 0.10S 124.90E 30–14 5.4,5.2b
NEIC I 13 16 39 25.2–2.3 0.03N–.06 125.08E–.05 42–1 5.7,5.7b
DJA I 13 16 39 26.6–.10 0S–1.0 125E–1.0 61–2 5.9b,5.8
NEIC I 13 16 39 27 0.07S 125.17E 46 5.9b,5.8
GCMT I 13 16 39 28.2–.10 0.20S–.01 125.04E–.01 36–0 5.7W,5.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.64 $M_{\theta\theta}$-0.33 $M_{\phi\phi}$-1.31 $M_{r\theta}$0.99 $M_{\theta\phi}$-0.13 $M_{\phi r}$2.25 NP1:ϕ_s182.50000°,δ16.14000°,λ72.05000°. NP2:ϕ_s21.14000°,δ74.66000° ,λ95.10000°. Principal axes: T 3.0563,Plg60.0000°,Azm298.0000°; N -0.3679,Plg5.0000° ,Azm200.0000°; P -2.6884,Plg29.0000°,Azm107.0000° $M_0$2.89000×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 4^s0 Moment tensor: Scale 10^{17}Nm; M_{rr}2.55 $M_{\theta\theta}$-1.90 $M_{\phi\phi}$-0.65 $M_{r\theta}$1.72 $M_{\theta\phi}$-1.31 $M_{\phi r}$2.66 NP1:ϕ_s255.00000°,δ23.00000° ,λ123.00000°. NP2:ϕ_s39.00000°,δ71.00000°,λ77.00000°. Principal axes: T 4.1905,Plg62.0000°,Azm289.0000°; N -0.1325,Plg12.0000°,Azm44.0000° ; P -4.0580,Plg25.0000°,Azm139.0000° $M_0$4.13000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s140,c246; s129,c220;Duration: 1^s6 Moment tensor: Scale 10^{17}Nm; M_{rr}3.02±.04 $M_{\theta\theta}$-1.95±.03; $M_{\phi\phi}$-1.06±.04; $M_{r\theta}$0.62±.05; $M_{\theta\phi}$-1.57±.03; $M_{\phi r}$2.20±.06; Best double couple: NP1:ϕ_s33.00000°,δ63.00000°,λ71.00000°. NP2:ϕ_s250.00000°,δ32.00000°,λ123.00000°. Principal axes: T 3.9810,Plg66.0000° ,Azm268.0000°; N -0.2980,Plg17.0000°,Azm42.0000°; P -3.6730,Plg16.0000° ,Azm137.0000° $M_0$3.82700×10^{17}

(181) Fiji Islands region

ISC I 14 06 11 42.3–.40 18.86S–.04 176.31E–.04 13–2 5.6s,5.3b 872 2-172
BJI I 14 06 11 38.6–.00 18.83S 176.47E 5 5.9b,5.8s **¶610087853**
IDC I 14 06 11 39.9–.38 18.94S 176.16E 0 5.4s,5.0
NEIC I 14 06 11 40.9–2.1 18.62S–.09 176.24E–.07 4–3 5.9,5.8
MOS I 14 06 11 40.6–1.6 18.86S 176.09E 10 5.7b,5.6s
BGR I 14 06 11 40.3 20.94S 176.97E 33 5.7s,5.6s
GCMT I 14 06 11 46.9–.10 18.74S 176.17E 12 5.9W,5.6s
NOU I 14 06 11 46.3 18.84S 176.29E 41 5.6L,5.6s
NEIC I 14 06 11 51.5 18.55S 176.25E 12 5.6L,5.6s
ISC Event type se.
IDC Error ellipse: s-maj=13.6km s-min=12.0km az=156.0.
NEIC Event type se. Error ellipse: s-maj=14.2km s-min=7.6km az=154.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-5.26 $M_{\theta\theta}$0.48 $M_{\phi\phi}$4.78 $M_{r\theta}$0.85 $M_{\theta\phi}$2.29 $M_{\phi r}$2.72 NP1:ϕ_s26.73000°,δ31.51000°,λ-84.56000°. NP2:ϕ_s200.36000°,δ58.65000° ,λ-93.33000°. Principal axes: T 6.4544,Plg14.0000°,Azm293.0000°; N -0.4936,Plg3.0000° ,Azm202.0000°; P -5.9608,Plg76.0000°,Azm101.0000° $M_0$6.22000×10^{17}
MOS Error ellipse: s-maj=8.6km s-min=7.8km az=43.7.
BGR Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s163,c345; s172,c607; Duration: 2^s2 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.93±.01 $M_{\theta\theta}$0.07±.01; $M_{\phi\phi}$0.85±.01; $M_{r\theta}$-0.12±.01; $M_{\theta\phi}$0.24±.00; $M_{\phi r}$0.14±.01; Best double couple: NP1:ϕ_s187.00000°,δ49.00000° ,λ-102.00000°. NP2:ϕ_s25.00000°,δ43.00000°,λ-77.00000°. Principal axes: T 0.9310,Plg3.0000°,Azm285.0000°; N 0.0270,Plg9.0000°,Azm195.0000° ; P -0.9590,Plg81.0000°,Azm34.0000° $M_0$0.94500×10^{18}
NOU Fiji Islands Region.
NEIC Event type se. Moment Tensor Solution.Duration: 4^s8 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.90 $M_{\theta\theta}$0.08 $M_{\phi\phi}$0.82 $M_{r\theta}$0.05 $M_{\theta\phi}$0.14 $M_{\phi r}$0.51 NP1:ϕ_s187.77000°,δ60.25000° ,λ-92.41000°. NP2:ϕ_s12.61000°,δ29.84000°,λ-85.80000°. Principal axes: T 0.9793,Plg15.0000°,Azm280.0000°; N 0.0603,Plg2.0000°,Azm189.0000° ; P -1.0396,Plg75.0000°,Azm91.0000° $M_0$1.01000×10^{18}

(270) Ceram Sea

ISC I 14 06 41 04.4–.34 2.68S–.04 128.92E–.05 50 5.0s,4.5b 118 1-159
IDC I 14 06 40 57.6–.50 2.62S 128.95E 0 4.5L,4.3 **¶610087856**
DJA I 14 06 41 02.1–1.1 2S–3.0 129E–2.0 20–10 5.5b,5.0b
NEIC I 14 06 41 03.5–1.3 2.58S–.07 128.97E–.02 39–8 4.8b,5.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(207) Eastern New Guinea region

ISC I 14 08 50 04.3–.54 7.49S–.05 147.13E–.10 32 4.2b 62 2-153
IDC I 14 08 49 59.2–.93 7.32S 147.16E 0 4.2,4.1b **¶610237348**
NEIC I 14 08 50 06.7–2.3 7.57S–.06 147.04E–.10 49–6 4.3b,4.1b
DJA I 14 08 50 08.7–.40 8S–4.0 147E–4.0 10 6.4b,6.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(266) Northern Molucca Sea

ISC I 14 11 41 19.5–.38 1.20N–.03 126.36E–.03 33–1 5.6b,4.5s 1609 1-172
BJI I 14 11 41 15.7–.00 1.17N 126.38E 22 5.4b,5.3b **¶610094904**
MOS I 14 11 41 15.9–1.1 1.26N 126.28E 20 5.9b,4.6s
IDC I 14 11 41 17.1–1.6 1.17N 126.27E 19–9 5.4,5.3b
NEIC I 14 11 41 19.2–2.0 1.27N–.06 126.41E–.06 23–3 5.7b,5.4
DJA I 14 11 41 21.0–.20 1N–1.0 126E–1.0 45–2 5.8b,5.5b
KLM I 14 11 41 21 1.28N 126.65E 59 5.6b,5.5b
GCMT I 14 11 41 22.2–.10 1.42N–.01 126.30E–.01 25–0 5.5W,5.5b
NEIC I 14 11 41 23.1 1.13N 126.49E 30 5.5W,5.5b
ISC Event type se.
MOS Error ellipse: s-maj=7.0km s-min=3.9km az=116.0.
IDC Error ellipse: s-maj=10.5km s-min=7.1km az=59.0.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=8.5km az=45.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s125,c203; s135,c227;Duration: 1^s3 Moment tensor: Scale 10^{17}Nm; M_{rr}0.80±.02 $M_{\theta\theta}$0.73±.02; $M_{\phi\phi}$-1.53±.02; $M_{r\theta}$1.03±.05; $M_{\theta\phi}$-0.04±.02; $M_{\phi r}$-1.16±.05; Best double couple: NP1:ϕ_s147.00000°,δ76.00000°,λ58.00000°. NP2:ϕ_s36.00000°,δ34.00000°,λ155.00000°. Principal axes: T 2.0210,Plg49.0000° ,Azm23.0000°; N 0.0350,Plg31.0000°,Azm155.0000°; P -2.0590,Plg25.0000°,Azm261.0000° $M_0$2.04000×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 2^s7 Moment tensor: Scale 10^{17}Nm; M_{rr}1.54 $M_{\theta\theta}$0.24 $M_{\phi\phi}$-1.77 $M_{r\theta}$0.15 $M_{\theta\phi}$0.15 $M_{\phi r}$-0.31 NP1:ϕ_s170.39000°,δ50.79000° ,λ83.01000°. NP2:ϕ_s1.37000°,δ39.73000°,λ98.48000°. Principal axes: T 1.5796,Plg82.0000° ,Azm41.0000°; N 0.2346,Plg5.0000°,Azm175.0000°; P -1.8142,Plg6.0000°,Azm265.0000° $M_0$1.70000×10^{17}

(181) Fiji Islands region

ISC I 14 18 25 44.9–.37 18.67S–.04 176.17E–.03 18–1 5.4b,5.3s 964 2-172
NOU I 14 18 25 35.8 18.40S 177.11E 0 5.3b,5.3s **¶610237371**
BGR I 14 18 25 41.9 19.32S 176.29E 10 5.4s,5.3s
MOS I 14 18 25 42.7–1.1 18.62S 176.08E 10 5.5b,5.3s
IDC I 14 18 25 42.0–.44 18.69S 176.18E 0 5.8L,5.3s
BJI I 14 18 25 43.8–.00 18.24S 176.08E 9 5.7b,5.5s
NEIC I 14 18 25 43.0–1.8 18.65S–.08 176.09E–.06 4–2 5.7,5.6
GCMT I 14 18 25 48.0–.10 18.67S–.01 176.20E 12 5.7W,5.6
NEIC I 14 18 25 51.6 18.58S 176.28E 12 5.7W,5.6
ISC Event type se.
NOU Fiji Islands.
BGR Event type ke.
MOS Error ellipse: s-maj=8.3km s-min=7.7km az=30.9.
IDC Error ellipse: s-maj=16.7km s-min=11.7km az=154.0.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=7.4km az=155.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-2.13 $M_{\theta\theta}$0.05 $M_{\phi\phi}$2.08 $M_{r\theta}$0.93 $M_{\theta\phi}$0.56 $M_{\phi r}$1.27 NP1:ϕ_s2.38000°,δ29.16000°,λ-111.73000°. NP2:ϕ_s206.90000°,δ63.09000° ,λ-78.33000°. Principal axes: T 2.6829,Plg17.0000°,Azm288.0000°; N 0.0133,Plg10.0000° ,Azm22.0000°; P -2.6961,Plg70.0000°,Azm141.0000° $M_0$2.69000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s155,c299; s167,c367;Duration: 1^s7 Moment tensor: Scale 10^{17}Nm; M_{rr}-4.39±.03 $M_{\theta\theta}$0.56±.03; $M_{\phi\phi}$3.83±.03; $M_{r\theta}$-0.80±.09;

Mφφ1.48±.03; Mφr0.15±.09; Best double couple: NP1:φs31.00000°,δ47.00000°,λ-76.00000°. NP2:φs191.00000°,δ45.00000°,λ-104.00000°. Principal axes: T 4.4030,Plg1.0000° ,Azm111.0000°; N 0.1340,Plg10.0000°,Azm201.0000°; P -4.5340,Plg80.0000°,Azm16.0000° M0 4.46900$\times10^{17}$
NEIC Event type se. Moment Tensor Solution.Duration: 4s2 Moment tensor: Scale 10^{17}Nm; Mrr-4.39 Mθθ0.79 Mφφ3.60 Mrθ-0.65 Mθφ1.22 Mφr1.18 NP1:φs188.85000°,δ52.02000° ,λ-104.28000°. NP2:φs31.32000°,δ40.19000°,λ-72.46000°. Principal axes: T 4.1469,Plg6.0000°,Azm289.0000°; N 0.5334,Plg11.0000°,Azm198.0000° ; P -4.6803,Plg77.0000°,Azm47.0000° M0 4.41000$\times10^{17}$

(186) Vanuatu Islands
ISC I 16 01 16 39.2–.35 13.71S–.03 166.44E–.03 22–2 5.7b,5.5s 1265 4-169
BJI I 16 01 16 36.5–.00 13.28S 166.68E 11 5.8b,5.5s **¶610095192**
NEIC I 16 01 16 38.0–1.4 13.64S–.06 166.52E–.07 14–2 5.8,5.7b
MOS I 16 01 16 39.8–1.1 13.62S 166.39E 34 6.0b,5.4s
NEIC I 16 01 16 43 13.56S 166.17E 16 6.0b,5.4s
NOU I 16 01 16 43.5 13.69S 166.37E 44 5.7L,5.4s
GCMT I 16 01 16 43.0–.10 13.62S–.01 166.40E 19–0 5.8W,5.4s
IDC I 16 01 16 44.1–1.3 13.70S 166.42E 65–10 5.4,5.3s
ISC Event type se. Moment Tensor Solution. NP1:φs182.69551°,δ23.58950°,λ90.75539°. NP2: φs1.87126°,δ66.41267°,λ89.67016°. Principal axes: T Plg68.5856°,Azm271.2325° ; N Plg0.3023°,Azm2.0032°; P Plg21.4120°,Azm92.1218°
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=8.9km az=59.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; Mrr2.57 Mθθ0.87 Mφφ-3.44 Mrθ-0.44 Mθφ0.06 Mφr-1.59 NP1:φs189.84000°,δ59.85000°,λ102.66000°. NP2:φs345.74000°,δ32.47000° ,λ69.32000°. Principal axes: T 3.0560,Plg72.0000°,Azm130.0000°; N 0.7785,Plg11.0000° ,Azm3.0000°; P -3.8344,Plg14.0000°,Azm292.0000° M0 3.51000$\times10^{17}$
MOS Error ellipse: s-maj=7.4km s-min=6.0km az=130.5.
NEIC Event type se. Moment Tensor Solution.Duration: 8s0 Moment tensor: Scale 10^{17}Nm; Mrr5.83 Mθθ0.36 Mφφ-6.19 Mrθ-0.38 Mθφ0.58 Mφr0.18 NP1:φs179.00000°,δ44.00000° ,λ95.00000°. NP2:φs351.00000°,δ46.00000°,λ85.00000°. Principal axes: T 5.8568,Plg86.0000°,Azm190.0000°; N 0.3860,Plg4.0000°,Azm355.0000° ; P -6.2428,Plg1.0000°,Azm85.0000° M0 6.06000$\times10^{17}$
NOU Vanuatu Islands.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s158,c332; s161,c488; Duration: 1s9 Moment tensor: Scale 10^{17}Nm; Mrr5.35±.04 Mθθ0.32±.03; Mφφ-5.66±.03; Mrθ0.41±.08; Mθφ0.48±.03; Mφr-1.99±.07; Best double couple: NP1:φs173.00000°,δ55.00000° ,λ87.00000°. NP2:φs358.00000°,δ35.00000°,λ94.00000°. Principal axes: T 5.7180,Plg80.0000°,Azm70.0000°; N 0.3450,Plg3.0000°,Azm175.0000° ; P -6.0560,Plg10.0000°,Azm265.0000° M0 5.88700$\times10^{17}$
IDC Error ellipse: s-maj=11.6km s-min=10.0km az=39.0.

(706) Northern Sumatera
ISC I 16 12 42 11.9–.40 3.31N–.02 98.36E–.03 15–2 5.6s,5.5b 1338 0-169
IDC I 16 12 42 09.5–.34 3.37N 98.33E 0 5.3s,5.0 **¶610097477**
MOS I 16 12 42 09.6–1.1 3.44N 98.39E 13 5.7b,5.4s
NEIC I 16 12 42 10.7–2.6 3.32N–.05 98.47E–.05 6–1 5.7,5.7
KLM I 16 12 42 12 3.26N 98.47E 10 6.0b,5.7
DJA I 16 12 42 13.2–.40 3N–2.0 98E–2.0 16–3 6.0b,5.9
GCMT I 16 12 42 13.7–.10 3.33N–.01 98.43E–.01 13–0 5.7W,5.9
BGR I 16 12 42 14.7 3.33N 98.42E 10 6.1,5.9b
NEIC I 16 12 42 25.6 3.37N 98.60E 12 6.1,5.9b
ISC Event type se. Moment Tensor Solution. NP1:φs125.92359°,δ56.33324°,λ-103.40842°. NP2: φs329.19247°,δ35.94416°,λ-70.80479°. Principal axes: T Plg10.3973°,Azm225.5201° ; N Plg11.1278°,Azm133.4518°; P Plg74.6787°,Azm357.5666°
IDC Error ellipse: s-maj=15.7km s-min=8.3km az=52.0.
MOS Error ellipse: s-maj=7.4km s-min=3.6km az=117.2.
NEIC Event type se. Error ellipse: s-maj=8.7km s-min=7.2km az=51.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; Mrr-1.85 Mθθ-0.77 Mφφ2.62 Mrθ-2.19 Mθφ-1.96 Mφr0.32 NP1:φs121.23000°,δ69.06000°,λ-132.75000°. NP2:φs10.09000° ,δ46.70000°,λ-29.42000°. Principal axes: T 3.8041,Plg13.0000°,Azm241.0000° ; N -0.0808,Plg39.0000°,Azm140.0000°; P -3.7233,Plg48.0000°,Azm346.0000° M0 3.76000$\times10^{17}$ Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; Mrr-0.77 Mθθ-0.73 Mφφ1.50 Mrθ-1.36 Mθφ-1.68 Mφr-0.55 NP1:φs10.29000°,δ62.29000°,λ-25.58000°. NP2:φs112.84000°,δ67.52000°,λ-149.79000°. Principal axes: T 2.4158,Plg3.0000° ,Azm241.0000°; N 0.3081,Plg53.0000°,Azm146.0000°; P -2.7238,Plg37.0000° ,Azm333.0000° M0 2.58000$\times10^{17}$
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s128,c228; s137,c271;Duration: 1s6 Moment tensor: Scale 10^{17}Nm; Mrr-1.73±.04 Mθθ-0.74±.03; Mφφ2.48±.04; Mrθ-1.20±.10; Mθφ-2.43±.03; Mφr-1.55±.11; Best double couple: NP1:φs8.00000°,δ68.00000°,λ-40.00000°. NP2:φs115.00000°,δ54.00000°,λ-152.00000°. Principal axes: T 3.9090,Plg9.0000° ,Azm64.0000°; N -0.1770,Plg46.0000°,Azm164.0000°; P -3.7260,Plg43.0000° ,Azm326.0000° M0 3.81700$\times10^{17}$
BGR Event type ke.
NEIC Event type se. Moment Tensor Solution.Duration: 3s4 Moment tensor: Scale 10^{17}Nm; Mrr-0.79 Mθθ-1.04 Mφφ1.83 Mrθ-0.90 Mθφ-2.02 Mφr-0.47 NP1:φs13.89000°,δ70.18000° ,λ-21.21000°. NP2:φs111.39000°,δ70.10000°,λ-158.86000°. Principal axes: T 2.8721,Plg0.0000°,Azm63.0000°; N -0.2302,Plg61.0000°,Azm153.0000° ; P -2.6420,Plg29.0000°,Azm333.0000° M0 2.76000$\times10^{17}$

(706) Northern Sumatera
ISC I 16 12 46 12.5–1.3 3.35N–.04 98.37E–.04 15–8 4.5b 51 0-94
IDC I 16 12 46 09.8–.77 3.34N 98.37E 0 4.3,4.3b **¶610237518**
NEIC I 16 12 46 11.3–2.1 3.30N–.05 98.39E–.06 4–5 4.6b,4.3b
DJA I 16 12 46 13.6–.30 3N–3.0 99E–3.0 10 6.5b,6.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(280) Banda Sea
ISC I 16 15 06 42.1–.53 7.81S–.04 130.07E–.04 57–4 5.2b,4.1s 615 1-151
BJI I 16 15 06 33.5–.00 7.95S 130.25E 26 5.2b,4.9b **¶610097490**
NEIC I 16 15 06 36.7–1.4 7.64S–.07 129.99E–.06 10–1 5.3b,4.9b
MOS I 16 15 06 37.0–.90 7.64S 129.98E 28 5.6b,4.9b
KLM I 16 15 06 42 7.50S 130.31E 53 5.6b,4.9b
DJA I 16 15 06 42.6–.20 8S–2.0 130E–1.0 74–3 6.0,5.7b
IDC I 16 15 06 42.3–1.2 7.66S 129.98E 57–10 5.0,4.7b
GCMT I 16 15 06 44.7–.10 7.79S–.01 130.14E–.01 63–1 5.2W,4.7b
ISC Event type se. Moment Tensor Solution. NP1:φs113.74191°,δ68.97849°,λ37.94807°. NP2: φs8.11355°,δ54.96899°,λ154.01852°. Principal axes: T Plg41.2652°,Azm335.8550° ; N Plg47.3991°,Azm138.4442°; P Plg8.7568°,Azm238.0872°
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s79,c103; s109,c183;Duration: 1s0 Moment tensor: Scale 10^{16}Nm; Mrr1.93±.17 Mθθ1.53±.16; Mφφ-3.46±.18; Mrθ2.41±.12; Mθφ7.53±.13; Mφr1.49±.15; Best double couple: NP1:φs102.00000°,δ74.00000°,λ18.00000°. NP2:φs7.00000°,δ72.00000°,λ163.00000°. Principal axes: T 8.2350,Plg24.0000° ,Azm324.0000°; N 0.6670,Plg66.0000°,Azm141.0000°; P -8.9020,Plg1.0000°,Azm234.0000° M0 8.56800$\times10^{16}$

(186) Vanuatu Islands
ISC I 16 20 47 40.1–.43 13.58S–.04 166.45E–.03 25–2 5.8s,5.5b 945 4-169
IDC I 16 20 47 35.2–.35 13.59S 166.50E 0 5.5s,5.1b **¶611831581**
BJI I 16 20 47 36.4–.00 13.09S 166.79E 10 5.8b,5.8s
MOS I 16 20 47 37.9–.96 13.50S 166.43E 22 5.8b,5.7s
NEIC I 16 20 47 39.2–2.7 13.55S–.07 166.42E–.08 15–2 5.9,5.9
GCMT I 16 20 47 43.2–.10 13.54S–.01 166.36E 20–0 5.9W,5.9
NOU I 16 20 47 44.9 13.59S 166.21E 36 5.6L,5.9
NEIC I 16 20 47 48.3 13.79S 166.47E 24 5.6L,5.9
ISC Event type se.
IDC Error ellipse: s-maj=14.2km s-min=11.4km az=87.0.
MOS Error ellipse: s-maj=8.3km s-min=5.8km az=126.9.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=9.8km az=77.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; Mrr6.32 Mθθ-0.98 Mφφ-5.35 Mrθ6.33 Mθφ0.81 Mφr-3.69 NP1:φs135.32000°,δ71.39000°,λ73.03000°. NP2:φs359.04000°,δ24.98000° ,λ130.91000°. Principal axes: T 10.4877,Plg60.0000°,Azm21.0000°; N -2.6658,Plg16.0000° ,Azm141.0000°; P -7.8219,Plg25.0000°,Azm238.0000° M0 9.44000$\times10^{17}$
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s165,c339; s154,c495; Duration: 2s2 Moment tensor: Scale 10^{18}Nm; Mrr0.81±.01 Mθθ-0.05±.01; Mφφ-0.75±.01; Mrθ0.35±.01; Mθφ0.32±.00; Mφr-0.31±.01; Best double couple: NP1:φs146.00000°,δ59.00000° ,λ75.00000°. NP2:φs353.00000°,δ34.00000°,λ113.00000°. Principal axes: T 0.9550,Plg72.0000°,Azm21.0000°; N 0.0200,Plg13.0000°,Azm153.0000° ; P -0.9740,Plg13.0000°,Azm246.0000° M0 0.96400$\times10^{18}$
NOU Vanuatu Islands.
NEIC Event type se. Moment Tensor Solution.Duration: 4s3 Moment tensor: Scale 10^{17}Nm; Mrr8.82 Mθθ-1.43 Mφφ-7.39 Mrθ3.72 Mθφ3.10 Mφr-1.44 NP1:φs141.16000°,δ55.91000° ,λ71.89000°. NP2:φs351.42000°,δ38.08000°,λ114.66000°. Principal axes: T 10.0396,Plg72.0000°,Azm5.0000°; N -0.8787,Plg15.0000°,Azm152.0000° ; P -9.1609,Plg9.0000°,Azm244.0000° M0 9.60000$\times10^{17}$

(706) Northern Sumatera
ISC I 17 01 11 27.8–.77 3.29N–.06 98.49E–.06 10 3.6b 19 0-69
IDC I 17 01 11 25.4–1.2 3.28N 98.36E 0 3.6,3.6b **¶610237555**
DJA I 17 01 11 28.6–.30 3N–3.0 99E–3.0 10 5.5b,5.0
ISC Event type ke.

(85) Cuba region
ISC I 17 09 08 01.2–.49 19.77N–.03 76.64W–.03 11–2 5.5s,5.5b 1948 1-160
IDC I 17 09 07 59.7–.36 19.84N 76.57W 0 5.2s,5.1 **¶610098883**
MOS I 17 09 07 59.8–.88 19.82N 76.70W 10 5.6b,5.3s
SSNC I 17 09 08 00.5–1.5 19.69N 76.67W 10–6 5.8W,5.5L
OSPL I 17 09 08 00.9–3.0 19.75N 76.76W 2–25 5.2L,5.5L
NEIC I 17 09 08 02.0–1.7 19.85N–.06 76.59W–.06 11–1 5.8,5.7
NEIC I 17 09 08 05 19.86N 76.70W 12 5.8,5.7
GCMT I 17 09 08 07.0–.10 19.94N 76.60W 12 5.8W,5.7
BGR I 17 09 08 09.3 19.45N 75.24W 33 5.4b,5.3s
JSN I 17 09 08 09.6–1.4 19.30N 76.75W 30–133 5.1,5.3s
ISC Event type se.
IDC Error ellipse: s-maj=12.3km s-min=9.4km az=64.0.
MOS Error ellipse: s-maj=6.1km s-min=4.2km az=96.6.
SSNC Error ellipse: s-maj=4.0km s-min=3.5km az=-1.0.
OSPL Error ellipse: s-maj=33.3km s-min=28.0km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=8.7km az=216.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; Mrr2.61 Mθθ-2.78 Mφφ0.17 Mrθ3.05 Mθφ1.06 Mφr-1.20 NP1:φs110.89000°,δ69.46000°,λ92.50000°. NP2:φs283.80000°,δ20.69000° ,λ83.36000°. Principal axes: T 4.1017,Plg65.0000°,Azm25.0000°; N 0.5018,Plg2.0000° ,Azm290.0000°; P -4.6035,Plg24.0000°,Azm199.0000° M0 4.37000$\times10^{17}$
NEIC Event type se. Moment Tensor Solution.Duration: 6s0 Moment tensor: Scale 10^{17}Nm; Mrr5.32 Mθθ-4.68 Mφφ-0.64 Mrθ4.29 Mθφ1.88 Mφr-2.22 NP1:φs287.00000°,δ24.00000° ,λ83.00000°. NP2:φs115.00000°,δ66.00000°,λ93.00000°. Principal axes: T 7.1855,Plg69.0000°,Azm32.0000°; N 0.0789,Plg3.0000°,Azm294.0000° ; P -7.2644,Plg21.0000°,Azm203.0000° M0 7.23000$\times10^{17}$
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s135,c273; s164,c514; Duration: 2s0 Moment tensor: Scale 10^{17}Nm; Mrr5.40±.03 Mθθ-4.53±.03; Mφφ-0.86±.03; Mrθ4.45±.10; Mθφ1.81±.03; Mφr-1.93±.11; Best double couple: NP1:φs113.00000°,δ66.00000° ,λ91.00000°. NP2:φs292.00000°,δ24.00000°,λ89.00000°. Principal axes: T 7.2750,Plg69.0000°,Azm24.0000°; N -0.1250,Plg1.0000°,Azm293.0000° ; P -7.1480,Plg21.0000°,Azm203.0000° M0 7.21200$\times10^{17}$
BGR Event type ke.
JSN Error ellipse: s-maj=69.8km s-min=35.4km az=-1.0.

(153) South Sandwich Islands region
ISC I 17 09 21 51.5–.41 56.72S–.08 25.71W–.10 10 5.1b 252 7-158
IDC I 17 09 21 49.3–.64 56.62S 25.47W 0 4.6,4.6b **¶610098884**
NEIC I 17 09 21 52.5–1.4 56.7S–.10 25.9W–.20 10–1 5.1b,4.6b
BJI I 17 09 21 58.0–.00 56.90S 25.60W 60 5.6s,5.5b
ISC Event type se.
IDC Error ellipse: s-maj=25.3km s-min=17.5km az=58.0.
NEIC Event type se. Error ellipse: s-maj=27.2km s-min=16.4km az=224.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(353) Southern Iran
ISC I 17 10 41 15.8–.76 29.60N–.03 51.54E–.03 19–2 4.8b,3.9s 619 0-99
IDC I 17 10 41 12.6–.53 29.58N 51.50E 0 4.3,4.3b **¶610098890**
MOS I 17 10 41 12.9–1.4 29.53N 51.60E 13 4.9b,4.3b
BGR I 17 10 41 13.5 29.41N 52.60E 33 4.8b,4.3b
THR I 17 10 41 14.2–1.2 29.59N 51.48E 15 4.6L,4.3b
TEH I 17 10 41 14.6 29.66N 51.50E 9–23 4.8L,4.3b
ISN I 17 10 41 14.9–.97 29.42N 51.41E 10–279 4.8L,4.3b
NEIC I 17 10 41 14.6–1.9 29.64N–.05 51.50E–.08 10–1 4.8b,4.3b
BJI I 17 10 41 14.0–.00 29.60N 51.60E 10 5.1b,4.6s
GII I 17 10 41 14.0–.00 29.58N 51.58E 10 5.1b,4.6s
DSN I 17 10 41 15.7–.52 29.65N 51.74E 10 4.9b,4.5L
OMAN I 17 10 41 17.4–1.3 29.53N 51.80E 10 6.0b,5.1L
GCMT I 17 10 41 18.6–.50 29.51N–.03 51.40E–.03 18–2 4.9W,5.1L
ISC Event type ke.
BGR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GII Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s9,c10; s70,c96;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr-0.08±.16 Mθθ-0.65±.13; Mφφ0.72±.14; Mrθ-0.15±.28; Mθφ1.90±.13; Mφr-1.60±.43; Best double couple: NP1:φs171.00000°,δ88.00000°,λ143.00000°. NP2:φs263.00000°,δ53.00000°,λ3.00000°. Principal axes: T 2.7750,Plg27.0000° ,Azm120.0000°; N -0.4420,Plg53.0000°,Azm348.0000°; P -2.3330,Plg24.0000° ,Azm223.0000° M0 2.55400$\times10^{16}$

(706) Northern Sumatera
ISC I 17 11 48 48.1–.22 5.43N–.03 94.61E–.03 58–1 5.5b,4.5s 1630 2-171
BGR I 17 11 48 36.8 4.68N 95.54E 10 5.5b,4.2s **¶611831591**
MOS I 17 11 48 44.9–1.0 5.46N 94.65E 43 5.8b,4.5s
BJI I 17 11 48 45.0–.00 5.34N 94.61E 53 5.5b,5.1b
NEIC I 17 11 48 46.3–2.3 5.42N–.05 94.56E–.05 35–1 5.6b,5.1
KLM I 17 11 48 47 5.34N 94.47E 50 5.4b,5.1
DJA I 17 11 48 48.0–.20 5N–2.0 95E–2.0 51–2 7.2,6.7
IDC I 17 11 48 49.1–.53 5.52N 94.71E 60–4 5.3,5.0b
GCMT I 17 11 48 49.3–.20 5.40N–.01 94.57E–.01 48–0 5.2W,5.0b
ISC Event type se. Moment Tensor Solution. NP1:φs1.89495°,δ45.08759°,λ126.72694°. NP2: φs135.31380°,δ55.41641°,λ59.04326°. Principal axes: T Plg64.2363°,Azm348.5088° ; N Plg25.0556°,Azm154.1160°; P Plg5.6168°,Azm246.7512°
BGR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; Mrr3.99 Mθθ-3.33 Mφφ-0.66 Mrθ2.73 Mθφ2.97 Mφr-1.96 NP1:φs125.03000°,δ63.05000°,λ92.31000°. NP2:φs299.94000°,δ27.05000° ,λ85.47000°. Principal axes: T 5.0828,Plg72.0000°,Azm40.0000°; N 1.2585,Plg2.0000° ,Azm304.0000°; P -6.3413,Plg18.0000°,Azm213.0000° M0 5.82000$\times10^{16}$
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s92,c139; s117,c195;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; Mrr0.69±.02 Mθθ-0.25±.01; Mφφ-0.43±.01; Mrθ0.43±.01; Mθφ0.39±.01; Mφr-0.27±.01; Best double couple: NP1:φs130.00000°,δ63.00000°,λ79.00000°. NP2:φs334.00000°,δ29.00000°,λ111.00000°. Principal axes: T 0.8700,Plg70.0000° ,Azm16.0000°; N 0.0230,Plg10.0000°,Azm135.0000°; P -0.8910,Plg17.0000°,Azm228.0000° M0 0.88000$\times10^{17}$

(381) Central Italy
ISC I 18 10 14 11.3–.42 42.54N–.01 13.27E–.01 10–2 5.6b,5.4s 2286 0-167
TIR I 18 10 14 00.9 43.50N 12.74E 9–6 5.9L,5.8 **¶611831611**
BGR I 18 10 14 05.3–.66 42.00N 13.61E 10 6.0L,5.8
LDG I 18 10 14 08.6–.21 42.59N 13.40E 9 5.4L,4.9
ROM I 18 10 14 09.9–.03 42.531N–.00 13.284E–.00 10–0 5.5W,5.4L
IDC I 18 10 14 09.4–.37 42.61N 13.18E 0 5.3s,5.1
MOS I 18 10 14 09.4–.87 42.63N 13.24E 9 5.8b,5.4s
PRU I 18 10 14 09.5–.00 42.46N 13.14E 10 5.7,5.4s
PDG I 18 10 14 10.2–.32 42.55N 13.32E 11–4 5.7,5.6L
BEO I 18 10 14 10.2–.50 42.51N 13.21E 0 5.6L,5.6L
NEIC I 18 10 14 11.0–1.1 42.60N–.05 13.23E–.06 7–1 5.8,5.7b
BGS I 18 10 14 10.8–4.3 42.60N 13.23E 7 5.7W,5.7b

MED_R I 18 10 14 10.0–.10 42.52N 13.26E 10 5.7W,5.7b
GCMT I 18 10 14 12.0–.10 42.47N–.01 13.29E–.01 12 5.7W,5.7b
STR I 18 10 14 14.0–1.1 43N–6.0 13E–8.0 10 5.5,5.7b
BNS I 18 10 14 14.5–.49 42.74N 13.33E 10 5.4L,5.7b
BUG I 18 10 14 14.4–.60 42.70N 13.23E 9 6.6L,5.7b
NEIC I 18 10 14 15 42.60N 13.24E 12 6.6L,5.7b
ISC Event type se.
BGR Event type ke. Error ellipse: s-maj=11.1km s-min=10.0km az=94.0.
LDG Event type ke. Error ellipse: s-maj=5.8km s-min=3.4km az=60.0.
ROM Event type se. Error ellipse: s-maj=0.2km s-min=0.1km az=65.0. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; Mrr-2.05 Mθθ0.21 Mϕϕ1.83 Mrθ-0.07 Mθϕ-0.78 Mϕr0.48 NP1: ϕs335.00000°,δ39.00000°,λ-95.00000°. NP2:ϕs161.00000°,δ51.00000°,λ-86.00000°. Mo2.14980$\times10^{17}$
IDC Error ellipse: s-maj=8.4km s-min=7.5km az=124.0.
MOS Error ellipse: s-maj=4.4km s-min=2.8km az=73.0.
PDG Event type ke. Error ellipse: s-maj=2.8km s-min=7.1km az=0.0.
BEO Event type ke.
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=6.9km az=204.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; Mrr-4.39 Mθθ1.10 Mϕϕ3.29 Mrθ-0.41 Mθϕ-1.51 Mϕr1.37 NP1:ϕs155.99000°,δ54.28000°,λ-86.61000°. NP2:ϕs330.19000° ,δ35.86000°,λ-94.70000°. Principal axes: T 4.2840,Plg9.0000°,Azm244.0000° ; N 0.3446,Plg3.0000°,Azm334.0000°; P -4.6286,Plg80.0000°,Azm80.0000° Mo4.47000$\times10^{17}$ Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; Mrr-2.67 Mθθ-0.16 Mϕϕ2.84 Mrθ0.59 Mθϕ-0.82 Mϕr-0.37 NP1:ϕs334.85000°,δ51.01000°,λ-104.25000°. NP2:ϕs176.83000°,δ41.12000°,λ-73.08000°. Principal axes: T 3.0915,Plg5.0000° ,Azm75.0000°; N -0.2815,Plg11.0000°,Azm344.0000°; P -2.8101,Plg78.0000° ,Azm189.0000° Mo2.96000$\times10^{17}$
BGS Error ellipse: s-maj=187.8km s-min=97.0km az=-1.0.
MED_R Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=30s. nsta2 refers to surface waves, cutoff=35s. Moment Tensor Solution. Body waves: s16,c21; Mantle waves: s44,c83;Duration: 1s6 Moment tensor: Scale 10^{17}Nm; Mrr-4.04±.05 Mθθ0.72±.05; Mϕϕ3.32±.05; Mrθ0.07±.22; Mθϕ-1.66±.04; Mϕr-0.12±.21; Best double couple: NP1:ϕs334.00000°,δ46.00000°,λ-90.00000°. NP2:ϕs154.00000°,δ44.00000°,λ-90.00000°. Principal axes: T 4.1300,Plg1.0000°,Azm64.0000°; N -0.0900,Plg0.0000°,Azm334.0000° ; P -4.0400,Plg89.0000°,Azm237.0000° Mo4.09000$\times10^{17}$
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s131,c257; s170,c375;Duration: 1s8 Moment tensor: Scale 10^{17}Nm; Mrr-4.57±.04 Mθθ0.65±.05; Mϕϕ3.91±.04; Mrθ0.07±.13; Mθϕ-1.63±.04; Mϕr-1.49±.11; Best double couple: NP1:ϕs343.00000°,δ54.00000°,λ-83.00000°. NP2:ϕs152.00000°,δ37.00000°,λ-100.00000°. Principal axes: T 4.7970,Plg9.0000° ,Azm68.0000°; N 0.0270,Plg6.0000°,Azm159.0000°; P -4.8320,Plg80.0000°,Azm283.0000° Mo4.81500$\times10^{17}$
STR Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=119.1. manual. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. preliminary.
BNS Event type ke.
BUG Event type ki.
NEIC Event type se. Moment Tensor Solution.Duration: 8s0 Moment tensor: Scale 10^{17}Nm; Mrr-4.83 Mθθ1.03 Mϕϕ3.80 Mrθ0.01 Mθϕ-1.73 Mϕr1.85 NP1:ϕs326.00000°,δ36.00000° ,λ-103.00000°. NP2:ϕs163.00000°,δ55.00000°,λ-80.00000°. Principal axes: T 4.9210,Plg10.0000°,Azm246.0000°; N 0.3140,Plg8.0000°,Azm337.0000° ; P -5.2349,Plg77.0000°,Azm106.0000° Mo5.09000$\times10^{17}$

(381) Central Italy

ISC I 18 10 25 25.4–.39 42.51N–.02 13.26E–.02 12–2 5.4s,5.3b 2001 0-152
BGR I 18 10 25 19.4–.64 41.95N 13.80E 10 5.9L,5.3b **¶610099386**
PRU I 18 10 25 22.4–.00 42.34N 13.23E 10 5.3,5.3b
BJI I 18 10 25 22.8–.00 42.60N 13.33E 5 5.9s,5.7b
IDC I 18 10 25 23.3–.37 42.60N 13.16E 0 5.0s,5.0b
ROM I 18 10 25 23.7–.03 42.503N–.00 13.277E–.00 9–0 5.4W,5.3L
PDG I 18 10 25 24.5–.58 42.55N 13.35E 11–0 5.6,5.5L
BEO I 18 10 25 24.3–.50 42.45N 13.23E 0 5.6L,5.5L
MOS I 18 10 25 24.3–1.0 42.66N 13.28E 13 5.5b,5.0s
MED_R I 18 10 25 25.0–.20 42.47N 13.23E 13–0 5.6W,5.0s
LDG I 18 10 25 25.0–.13 42.48N 13.18E 9 5.1L,4.7
NEIC I 18 10 25 25.5–1.1 42.59N–.05 13.19E–.06 10–1 5.6,5.6
BGS I 18 10 25 25.5–4.3 42.58N 13.20E 10 5.6W,5.6
TIR I 18 10 25 26.0 42.31N 13.23E 9–6 5.9L,5.6
STR I 18 10 25 27.0–2.0 43N–8.0 13E–16 10 5.3,5.6
GCMT I 18 10 25 27.5–.10 42.45N–.01 13.29E–.01 13–0 5.7W,5.6
NEIC I 18 10 25 30 42.49N 13.23E 12 5.7W,5.6
BNS I 18 10 25 30.7–.32 42.73N 13.18E 10 5.3L,5.6
ISC Event type ke.
BGR Event type ke. Error ellipse: s-maj=12.2km s-min=8.9km az=32.0.
IDC Error ellipse: s-maj=8.7km s-min=7.7km az=110.0.
ROM Event type se. Error ellipse: s-maj=0.2km s-min=0.1km az=62.0. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; Mrr-1.25 Mθθ0.50 Mϕϕ0.75 Mrθ0.31 Mθϕ-0.79 Mϕr-0.35 NP1: ϕs140.00000°,δ35.00000°,λ-89.00000°. NP2:ϕs319.00000°,δ55.00000°,λ-91.00000°. Mo1.41669$\times10^{17}$
PDG Event type ke. Error ellipse: s-maj=0.4km s-min=0.5km az=0.0.
BEO Event type ke.
MOS Error ellipse: s-maj=4.5km s-min=2.8km az=71.5.
MED_R Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=35s. Moment Tensor Solution. Body waves: s7,c7; Mantle waves: s44,c86;Duration: 1s5 Moment tensor: Scale 10^{17}Nm; Mrr-3.32±.10 Mθθ1.48±.06; Mϕϕ1.84±.06; Mrθ-0.07±.15; Mθϕ-1.69±.04; Mϕr-0.40±.16; Best double couple: NP1:ϕs324.00000°,δ47.00000°,λ-82.00000°. NP2:ϕs133.00000°,δ43.00000°,λ-98.00000°. Principal axes: T 3.3700,Plg2.0000°,Azm48.0000°; N -0.0100,Plg6.0000°,Azm138.0000° ; P -3.3600,Plg84.0000°,Azm297.0000° Mo3.36000$\times10^{17}$
LDG Event type ke. Error ellipse: s-maj=4.1km s-min=2.6km az=40.0.
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=6.8km az=192.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; Mrr-2.79 Mθθ1.01 Mϕϕ1.77 Mrθ0.51 Mθϕ-1.16 Mϕr-0.05 NP1:ϕs151.10000°,δ41.82000°,λ-79.32000°. NP2:ϕs316.90000°,δ49.06000° ,λ-99.41000°. Principal axes: T 2.6325,Plg4.0000°,Azm54.0000°; N 0.2252,Plg7.0000° ,Azm323.0000°; P -2.8577,Plg82.0000°,Azm171.0000° Mo2.75000$\times10^{17}$
BGS Error ellipse: s-maj=190.1km s-min=128.1km az=-1.0.
STR Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=109.1. manual. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. preliminary.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s86,c123; s164,c340;Duration: 1s6 Moment tensor: Scale 10^{17}Nm; Mrr-3.51±.07 Mθθ1.37±.04; Mϕϕ2.14±.05; Mrθ0.18±.12; Mθϕ-1.79±.03; Mϕr-1.22±.12; Best double couple: NP1:ϕs331.00000°,δ54.00000°,λ-79.00000°. NP2:ϕs132.00000°,δ37.00000°,λ-105.00000°. Principal axes: T 3.7440,Plg8.0000° ,Azm52.0000°; N 0.0260,Plg9.0000°,Azm144.0000°; P -3.7700,Plg77.0000°,Azm281.0000° Mo3.75700$\times10^{17}$
NEIC Event type se. Moment Tensor Solution.Duration: 10s4 Moment tensor: Scale 10^{17}Nm; Mrr-3.17 Mθθ1.23 Mϕϕ1.94 Mrθ-0.70 Mθϕ-1.58 Mϕr0.74 NP1:ϕs323.00000°,δ36.00000° ,λ-87.00000°. NP2:ϕs140.00000°,δ54.00000°,λ-91.00000°. Principal axes: T 3.3564,Plg9.0000°,Azm231.0000°; N -0.0298,Plg1.0000°,Azm141.0000° ; P -3.3266,Plg81.0000°,Azm42.0000° Mo3.34000$\times10^{17}$
BNS Event type ke.

(276) Sunda Strait

ISC I 18 10 51 42.6–.31 6.92S–.05 105.43E–.04 56 4.8b,4.1s 226 1-145
NEIC I 18 10 51 43.9–1.4 6.86S–.07 105.47E–.07 65–6 4.9b,4.1s **¶610099394**
DJA I 18 10 51 43.5–.20 7S–3.0 105E–2.0 67–3 5.6b,5.1
BJI I 18 10 51 44.0–.00 6.90S 105.40E 70 5.5b,4.7b
IDC I 18 10 51 47.7–1.2 6.72S 105.65E 97–9 4.6,4.3s
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=8.2km az=216.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=13.7km s-min=6.9km az=37.0.

(703) Andaman Islands region

ISC I 18 15 42 38.9–.38 12.10N–.05 95.00E–.05 21 4.8b,4.0s 145 2-135
IDC I 18 15 42 35.7–.59 12.18N 95.04E 0 4.2,4.2b **¶611831599**
DJA I 18 15 42 39.3–.80 12N–3.0 95E–4.0 31–8 5.6b,5.1
NEIC I 18 15 42 40.5–1.4 12.20N–.08 94.97E–.07 27–5 4.9b,5.1
BJI I 18 15 42 40.3–.00 12.38N 94.66E 19 4.9b,4.6s
NDI I 18 15 42 40.8–4.8 12.25N 95.10E 15–121 4.9b,4.2b
GCMT I 18 15 42 41.5–.30 12.04N–.02 95.04E–.03 12–1 4.9W,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s19,c25; s76,c110;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr-1.87±.16 Mθθ1.39±.11; Mϕϕ0.47±.10; Mrθ-1.02±.35; Mθϕ1.55±.07; Mϕr0.59±.32; Best double couple: NP1:ϕs80.00000°,δ58.00000°,λ-54.00000°. NP2:ϕs206.00000°,δ47.00000°,λ-133.00000°. Principal axes: T 2.6010,Plg6.0000° ,Azm145.0000°; N -0.0580,Plg30.0000°,Azm239.0000°; P -2.5460,Plg59.0000° ,Azm44.0000° Mo2.57300$\times10^{16}$

(742) Western Indian-Antarctic Ridge

ISC I 19 10 15 58.3–.29 49.14S–.05 127.42E–.07 13 5.0b,4.7s 227 15-155
IDC I 19 10 15 56.0–.48 49.13S 127.30E 0 4.7,4.7b **¶610101727**
BJI I 19 10 15 56.2–.00 49.10S 127.50E 5 5.5b,5.0s
GCMT I 19 10 15 58.8–.10 49.07S–.01 127.32E–.01 20–0 5.4W,5.0s
NEIC I 19 10 15 58.8–2.4 49.01S–.09 127.5E–.20 10–1 5.3,5.0b
ISC Event type se. Moment Tensor Solution. NP1:ϕs15.43557°,δ82.35127°,λ29.85187°. NP2: ϕs281.06741°,δ60.44027°,λ171.19827°. Principal axes: T Plg26.2924°,Azm242.2744° ; N Plg59.2715°,Azm28.4926°; P Plg14.7571°,Azm144.7966°
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s98,c161; s134,c220;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; Mrr-0.18±.02 Mθθ-0.27±.02; Mϕϕ0.45±.02; Mrθ-0.35±.04; Mθϕ-1.31±.02; Mϕr0.07±.04; Best double couple: NP1:ϕs98.00000°,δ88.00000°,λ-165.00000°. NP2:ϕs8.00000°,δ75.00000°,λ-2.00000°. Principal axes: T 1.4950,Plg9.0000°,Azm232.0000° ; N -0.1790,Plg75.0000°,Azm105.0000°; P -1.3160,Plg12.0000°,Azm324.0000° Mo1.40600$\times10^{17}$
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; Mrr0.19 Mθθ-0.21 Mϕϕ0.02 Mrθ-0.05 Mθϕ-1.09 Mϕr-0.26 NP1:ϕs183.44000°,δ88.45000°,λ13.92000°. NP2:ϕs93.06000°,δ76.09000° ,λ178.40000°. Principal axes: T 1.0318,Plg11.0000°,Azm49.0000°; N 0.1934,Plg76.0000° ,Azm190.0000°; P -1.2252,Plg9.0000°,Azm317.0000° Mo1.14000$\times10^{17}$

(248) Philippine Islands region

ISC I 19 19 59 39.3–.28 19.91N–.03 121.32E–.04 40 4.7b,4.1s 291 1-170
IDC I 19 19 59 33.3–.41 19.87N 121.40E 0 4.4,4.4b **¶610102162**
NEIC I 19 19 59 35.4–1.8 19.89N–.07 121.29E–.08 10–1 4.8b,4.4b
MAN I 19 19 59 35.6 20.14N 121.31E 61 5.5b,4.7s
BJI I 19 19 59 36.3–.00 20.16N 121.22E 10 4.8b,4.4
DJA I 19 19 59 36.0–.20 20N–2.0 121E–5.0 10 5.1b,4.8b
JMA I 19 19 59 39.0–.81 20N–3.0 122E–3.0 17 5.0,4.8b
GCMT I 19 19 59 39.3–.30 20.01N–.02 121.06E–.03 32–1 4.9W,4.8b
ISC Event type ke. Moment Tensor Solution. NP1:ϕs317.35825°,δ13.07339°,λ40.34658°. NP2: ϕs187.75241°,δ81.57913°,λ100.03645°. Principal axes: T Plg52.4038°,Azm109.4056° ; N Plg9.9271°,Azm6.2678°; P Plg35.8191°,Azm269.0111°
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. PHILIPPINE ISL REGION .
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s28,c33; s72,c107;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr2.39±.17 Mθθ-0.25±.10; Mϕϕ-2.13±.11; Mrθ-1.00±.11; Mθϕ-0.64±.06; Mϕr-1.66±.11; Best double couple: NP1:ϕs206.00000°,δ65.00000°,λ97.00000°. NP2:ϕs9.00000°,δ26.00000°,λ75.00000°. Principal axes: T 3.1080,Plg69.0000° ,Azm130.0000°; N -0.1100,Plg6.0000°,Azm23.0000°; P -2.9920,Plg19.0000°,Azm290.0000° Mo3.05000$\times10^{16}$

(193) Bougainville-Solomon Islands region

ISC I 19 23 04 20.3–.23 10.41S–.03 161.31E–.03 45–1 6.5s,6.4b 2344 2-175
BJI I 19 23 04 16.3–.00 10.27S 161.31E 20 6.4b,6.4s **¶615190385**
MOS I 19 23 04 18.3–1.1 10.25S 161.13E 35 6.5b,6.3s
IDC I 19 23 04 21.8–.90 10.40S 161.30E 59–7 6.3s,6.0
NOU I 19 23 04 21.7 10.37S 161.28E 42 6.7L,6.0
NEIC I 19 23 04 21.1–1.7 10.35S–.07 161.34E–.06 36–1 6.5,6.5
GCMT I 19 23 04 24.1–.00 10.40S 161.29E 42–0 6.5W,6.5
NEIC I 19 23 04 26 10.25S 161.18E 40 6.5W,6.5
ISC Event type se.
MOS Error ellipse: s-maj=6.2km s-min=5.2km az=103.2.
IDC Error ellipse: s-maj=8.6km s-min=6.8km az=57.0.
NOU Solomon Islands.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=8.4km az=207.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; Mrr3.83 Mθθ0.34 Mϕϕ-4.17 Mrθ1.04 Mθϕ1.93 Mϕr0.49 NP1:ϕs141.05000°,δ47.61000°,λ62.89000°. NP2:ϕs358.27000°,δ48.90000° ,λ116.53000°. Principal axes: T 4.2442,Plg70.0000°,Azm338.0000°; N 0.6415,Plg20.0000° ,Azm160.0000°; P -4.8857,Plg1.0000°,Azm70.0000° Mo4.60000$\times10^{18}$
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s169,c423; s162,c659; Duration: 4s3 Moment tensor: Scale 10^{18}Nm; Mrr5.45±.03 Mθθ1.33±.02; Mϕϕ-6.78±.02; Mrθ1.21±.03; Mθϕ2.68±.02; Mϕr0.03±.03; Best double couple: NP1:ϕs147.00000°,δ49.00000° ,λ66.00000°. NP2:ϕs0.00000°,δ46.00000°,λ115.00000°. Principal axes: T 5.8270,Plg72.0000°,Azm348.0000°; N 1.7670,Plg18.0000°,Azm163.0000° ; P -7.5930,Plg1.0000°,Azm253.0000° Mo6.71000$\times10^{18}$
NEIC Event type se. Moment Tensor Solution.Duration: 12s0 Moment tensor: Scale 10^{18}Nm; Mrr5.73 Mθθ2.16 Mϕϕ-7.89 Mrθ-0.12 Mθϕ2.48 Mϕr-1.72 NP1:ϕs337.00000°,δ39.00000° ,λ76.00000°. NP2:ϕs175.00000°,δ52.00000°,λ101.00000°. Principal axes: T 5.9957,Plg79.0000°,Azm131.0000°; N 2.6597,Plg9.0000°,Azm348.0000° ; P -8.6554,Plg7.0000°,Azm257.0000° Mo7.68000$\times10^{18}$

(321) Southern Xinjiang

ISC I 20 09 54 03.6–.21 38.20N–.03 76.67E–.02 21–2 5.2b,4.6s 1365 1-155
IDC I 20 09 54 00.2–.35 38.14N 76.67E 0 4.9,4.9b **¶610102499**
BJI I 20 09 54 02.8–.00 38.21N 76.73E 10 5.3b,5.3L
MOS I 20 09 54 02.2–1.0 38.18N 76.72E 21 5.4b,4.7s
SOME I 20 09 54 04.1 38.45N 76.57E 10 4.7s,4.7s
GCMT I 20 09 54 05.4–.20 38.33N–.02 76.93E–.02 19–1 5.0W,4.7s
NNC I 20 09 54 05.5–1.3 38.47N 76.55E 0 5.6b,5.3
NEIC I 20 09 54 06.8–1.7 38.29N–.06 76.73E–.08 37–5 5.3b,5.3
BGR I 20 09 54 08.6 38.54N 76.76E 48–2 5.3b,4.6s
ISC Event type se. Moment Tensor Solution. NP1:ϕs352.50674°,δ72.31043°,λ96.96658°. NP2: ϕs150.59996°,δ18.97105°,λ69.17859°. Principal axes: T Plg62.0748°,Azm273.0591° ; N Plg6.6357°,Azm170.3804°; P Plg26.9902°,Azm76.9836°
IDC Error ellipse: s-maj=9.3km s-min=8.3km az=17.0.
MOS Error ellipse: s-maj=4.4km s-min=2.9km az=111.4.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s31,c38; s77,c109;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr2.18±.20 Mθθ0.33±.15; Mϕϕ-2.51±.13; Mrθ-0.50±.36; Mθϕ2.15±.10; Mϕr3.49±.37; Best double couple: NP1:ϕs352.00000°,δ72.00000°,λ110.00000°. NP2:ϕs122.00000°,δ26.00000°,λ43.00000°. Principal axes: T 4.1390,Plg58.0000° ,Azm289.0000°; N 1.0600,Plg19.0000°,Azm166.0000°; P -5.1970,Plg25.0000°,Azm67.0000° Mo4.66800$\times10^{16}$
NNC Event type se. Error ellipse: s-maj=11.1km s-min=8.1km az=131.0.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=8.4km az=130.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BGR Event type ke.

(192) New Britain region

ISC I 21 01 52 32.0–.53 5.27S–.04 152.26E–.05 43–4 5.2b,3.7s 497 1-157
BJI I 21 01 52 28.5–.00 5.22S 152.42E 31 5.1b,5.1b **¶610104699**
NEIC I 21 01 52 32.7–1.9 5.40S–.06 152.28E–.09 43–4 5.2b,5.1b
MOS I 21 01 52 32.3–.99 5.16S 152.18E 52 5.3b,5.1b
IDC I 21 01 52 34.5–.92 5.24S 152.27E 62–6 4.8,4.5b
DJA I 21 01 52 43.8–1.0 5S–4.0 152E–8.0 137–7 5.7,5.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(353) Southern Iran

ISC I 21 08 23 14.5–.32 29.14N–.03 56.55E–.03 35 4.4b,3.7s 370 1-122
BJI I 21 08 23 10.0–.00 29.18N 56.48E 13 4.9b,4.2b **¶610104773**

MOS I 21 08 23 12.6–1.1 29.03N 56.51E 38 4.7b,4.2b
TEH I 21 08 23 13.3 29.15N 56.61E 19–22 4.6L,4.2b
DSN I 21 08 23 15.7–1.9 29.04N 56.56E 10 4.8L,4.2b
NEIC I 21 08 23 16.8–2.1 29.21N–.04 56.51E–.07 54–5 4.5b,4.2b
IDC I 21 08 23 17.8–1.2 29.12N 56.53E 67–9 4.3,4.1b
OMAN I 21 08 23 18.1–.16 29.01N 56.54E 33 5.8b,5.0L
ISC Event type se.
MOS Error ellipse: s-maj=7.3km s-min=4.7km az=84.8.
TEH Error ellipse: s-maj=1.0km s-min=1.4km az=-1.0.
DSN Error ellipse: s-maj=29.2km s-min=15.0km az=75.0.
NEIC Event type se. Error ellipse: s-maj=8.9km s-min=5.1km az=74.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=11.8km s-min=10.1km az=110.0.
OMAN Error ellipse: s-maj=3.0km s-min=2.0km az=227.0.

(179) South of Kermadec Islands

ISC I 21 17 53 34.6–.36 33.12S–.04 177.67W–.07 26 5.0b,3.9s 287 4-164
NOU I 21 17 53 29.0 33.40S 176.99W 0 4.9b,3.9s **¶610105035**
BJI I 21 17 53 31.7–.00 33.49S 177.98W 9 5.9b,5.4s
NEIC I 21 17 53 32.3–3.0 33.06S–.07 177.7W–.10 10–1 5.0b,5.4s
WEL I 21 17 53 32.7–.95 33S–12 178W–31 173–25 5.6,5.0b
MOS I 21 17 53 32.7–1.9 33.03S 177.94W 12 5.2b,5.0b
IDC I 21 17 53 35.6–2.8 33.07S 177.71W 25–18 5.1L,4.6
GCMT I 21 17 53 35.3–.40 33.18S–.04 177.29W–.03 22–1 4.9W,4.6
ISC Event type se.
NOU South of Kermadec Islands.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s21,c22; s68,c96;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.95±.27 $M_{\theta\theta}$-0.40±.16; $M_{\phi\phi}$3.34±.16; $M_{r\theta}$0.26±.32; $M_{\theta\phi}$0.49±.11; $M_{\phi r}$-0.60±.20; Best double couple: NP1:ϕ_s0.00000°,δ50.00000°,λ-99.00000°. NP2:ϕ_s195.00000°,δ41.00000°,λ-79.00000°. Principal axes: T 3.4520,Plg5.0000° ,Azm97.0000°; N -0.4150,Plg7.0000°,Azm6.0000°; P -3.0420,Plg81.0000°,Azm221.0000° $M_0$3.24700×10^{16}

(192) New Britain region

ISC I 22 04 44 52.8–.36 6.76S–.05 153.53E–.07 10 5.4b 198 3-149
BJI I 22 04 44 51.0–.00 6.82S 153.74E 17 5.3b **¶610105063**
IDC I 22 04 44 51.4–.55 6.75S 153.56E 0 5.2,5.1b
MOS I 22 04 44 51.4–.92 6.76S 153.60E 14 5.5b,5.1b
NEIC I 22 04 44 52.8–2.0 6.74S–.06 153.60E–.09 10–1 5.6b,5.1b
DJA I 22 04 44 56.8–1.0 7S–6.0 154E–10 43–9 6.2,6.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(192) New Britain region

ISC I 22 05 25 51.2–.44 5.78S–.05 153.37E–.08 32 4.3b 61 2-151
IDC I 22 05 25 46.0–.56 5.80S 153.37E 0 4.3,4.3b **¶610235061**
NEIC I 22 05 25 48.4–1.4 5.71S–.08 153.43E–.03 10–1 4.4b,4.3b
DJA I 22 05 25 57.4–.70 5S–10 152E–10 154–7 6.7b,6.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(270) Ceram Sea

ISC I 22 06 17 13.1–.50 2.77S–.04 128.96E–.05 33 4.1b 55 1-150
IDC I 22 06 17 08.0–.61 2.88S 128.94E 0 4.3L,4.1 **¶610235070**
DJA I 22 06 17 11.9–.30 3S–2.0 129E–2.0 10 6.0b,5.6
NEIC I 22 06 17 14.8–2.1 2.89S–.08 128.84E–.03 46–11 4.3b,5.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(347) Western Iran

ISC I 22 06 47 38.4–.29 32.62N–.03 49.79E–.03 11 5.3s,4.6b 459 1-98
IDC I 22 06 47 36.9–.57 32.66N 49.66E 0 5.6s,4.2 **¶610147937**
MOS I 22 06 47 36.5–1.2 32.57N 49.74E 10 5.0s,4.7b
TEH I 22 06 47 37.9 32.73N 49.86E 8–50 4.5L,4.7b
NEIC I 22 06 47 38.5–1.2 32.61N–.06 49.71E–.08 10–1 4.7b,4.7b
DSN I 22 06 47 44.9–1.9 32.05N 49.79E 11 4.0L,4.7b
OMAN I 22 06 47 55.5–.42 31.69N 50.19E 10–9 5.3b,4.7b
ISC Event type se.
IDC Error ellipse: s-maj=13.2km s-min=10.3km az=167.0.
MOS Error ellipse: s-maj=6.1km s-min=3.7km az=118.7.
TEH Error ellipse: s-maj=1.3km s-min=1.7km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=10.7km az=79.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DSN Error ellipse: s-maj=26.1km s-min=10.7km az=15.0.
OMAN Error ellipse: s-maj=10.1km s-min=5.9km az=6.0.

(192) New Britain region

ISC I 22 22 26 48.9–.33 6.10S–.05 153.92E–.06 48 4.9b,4.0s 152 3-152
IDC I 22 22 26 41.5–.56 6.11S 154.11E 0 4.5,4.5b **¶610105261**
BJI I 22 22 26 43.9–.00 5.49S 153.99E 7 5.3b,5.1b
DJA I 22 22 26 48.7–1.3 6S–5.0 154E–10 42–9 5.7b,5.3
NEIC I 22 22 26 50.2–1.5 6.05S–.07 153.77E–.08 51–7 4.9b,5.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(282) South of Jawa

ISC I 23 06 12 13.6–.37 8.74S–.05 105.83E–.05 22 4.7b,3.4s 167 2-146
DJA I 23 06 12 11.5–.30 9S–3.0 106E–3.0 10 5.8b,5.3 **¶610105278**
IDC I 23 06 12 11.1–.58 8.65S 105.80E 0 5.5L,4.6
NEIC I 23 06 12 14.7–2.1 8.75S–.07 105.80E–.04 31–4 4.7b,4.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(151) South Georgia Island region

ISC I 24 02 38 37.1–.33 55.06S–.06 31.40W–.08 10 5.0b,4.0s 276 9-166
IDC I 24 02 38 35.5–.49 55.09S 31.40W 0 4.6,4.6b **¶610105950**
NEIC I 24 02 38 37.3–1.7 55.1S–.10 31.4W–.20 10–1 5.0b,4.6b
BJI I 24 02 38 39.0–.00 55.10S 31.50W 25 5.5b,4.6b
ISC Event type se.
IDC Error ellipse: s-maj=17.8km s-min=14.8km az=55.0.
NEIC Event type se. Error ellipse: s-maj=18.3km s-min=16.8km az=150.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(274) Southern Sumatera

ISC I 24 04 57 35.8–.54 1.81S–.05 99.64E–.05 30 4.3b,3.6s 58 1-145
IDC I 24 04 57 30.8–.96 1.99S 99.44E 0 4.0,4.0b **¶610105982**
NEIC I 24 04 57 34.9–1.6 1.92S–.09 99.5E–.10 25–6 4.5b,4.0b
DJA I 24 04 57 35.2–.30 2S–2.0 100E–2.0 10 5.5b,5.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(210) South of Mariana Islands

ISC I 24 09 38 32.8–.44 12.07N–.03 146.31E–.04 25–2 5.5b,5.1s 1085 2-166
IDC I 24 09 38 28.3–.35 12.06N 146.35E 0 5.0,5.0b **¶610105984**
BJI I 24 09 38 28.8–.00 12.25N 146.52E 8 5.7b,5.4s
MOS I 24 09 38 29.0–.83 12.04N 146.28E 12 5.6b,5.0s
DJA I 24 09 38 30.1–1.3 12N–3.0 146E–3.0 13–8 6.0b,5.6
NEIC I 24 09 38 31.1–1.4 12.09N–.07 146.26E–.09 10–1 5.5b,5.5
NEIC I 24 09 38 33 11.97N 146.26E 22 5.5b,5.5
KLM I 24 09 38 33 12.23N 146.16E 10 5.9b,5.5
GCMT I 24 09 38 34.0–.10 12.03N–.01 146.31E–.01 20–0 5.6W,5.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.06 $M_{\theta\theta}$-0.17 $M_{\phi\phi}$0.23 $M_{r\theta}$0.86 $M_{\theta\phi}$1.69 $M_{\phi r}$0.42 NP1:ϕ_s87.36000°,δ83.99000°,λ26.12000°. NP2:ϕ_s354.42000°,δ64.04000° ,λ173.31000°. Principal axes: T 2.1039,Plg23.0000°,Azm314.0000°; N -0.3429,Plg63.0000° ,Azm99.0000°; P -1.7610,Plg14.0000°,Azm218.0000° $M_0$1.96000×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 2s6 Moment tensor: Scale 10^{17}Nm; M_{rr}0.20 $M_{\theta\theta}$0.58 $M_{\phi\phi}$-0.78 $M_{r\theta}$0.51 $M_{\theta\phi}$2.50 $M_{\phi r}$0.02 NP1:ϕ_s7.00000°,δ79.00000°,λ177.00000°. NP2:ϕ_s98.00000°,δ87.00000°,λ11.00000°. Principal axes: T 2.5603,Plg10.0000° ,Azm323.0000°; N 0.1581,Plg78.0000°,Azm113.0000°; P -2.7184,Plg6.0000°,Azm232.0000° $M_0$2.64000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s131,c232; s162,c320;Duration: 1s6 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.02±.04 $M_{\theta\theta}$0.93±.04; $M_{\phi\phi}$-0.90±.04; $M_{r\theta}$1.15±.08; $M_{\theta\phi}$2.96±.03; $M_{\phi r}$-0.21±.07; Best double couple: NP1:ϕ_s278.00000°,δ89.00000°,λ-21.00000°. NP2:ϕ_s9.00000°,δ69.00000°,λ-179.00000°. Principal axes: T 3.3090,Plg14.0000° ,Azm326.0000°; N 0.0060,Plg69.0000°,Azm97.0000°; P -3.3160,Plg15.0000°,Azm232.0000° $M_0$3.31200×10^{17}

(192) New Britain region

ISC I 24 20 38 00.3–.25 6.05S–.04 154.15E–.04 48 5.0b,4.1s 367 3-152
MOS I 24 20 37 56.9–1.0 6.03S 154.17E 32 5.0b,4.1s **¶610114467**
BJI I 24 20 37 56.0–.00 6.36S 154.07E 26 5.2b,4.7b
NEIC I 24 20 37 59.1–1.8 6.09S–.02 154.17E–.07 35–1 5.2b,4.7b
IDC I 24 20 38 00.3–2.1 6.04S 154.17E 47–19 4.5,4.4L
GCMT I 24 20 38 02.1–.30 6.23S–.02 154.05E–.02 38–1 5.0W,4.4L
DJA I 24 20 38 02.1–.30 6S–3.0 154E–3.0 49–2 5.8,5.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s28,c30; s65,c90;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.17±.23 $M_{\theta\theta}$-0.77±.15; $M_{\phi\phi}$-1.41±.14; $M_{r\theta}$0.73±.14; $M_{\theta\phi}$2.42±.12; $M_{\phi r}$-2.47±.15; Best double couple: NP1:ϕ_s161.00000°,δ69.00000°,λ114.00000°. NP2:ϕ_s289.00000°,δ32.00000°,λ43.00000°. Principal axes: T 3.4930,Plg59.0000° ,Azm105.0000°; N 0.8880,Plg23.0000°,Azm332.0000°; P -4.3900,Plg20.0000° ,Azm233.0000° $M_0$3.94100×10^{16}

(353) Southern Iran

ISC I 25 05 41 40.9–.30 28.47N–.03 56.99E–.03 10 4.8b,4.1s 435 1-120
DSN I 25 05 41 36.5–1.4 28.92N 57.07E 10 5.0L,4.1s **¶611831651**
BJI I 25 05 41 38.3–.00 28.50N 57.00E 5 5.0b,4.4b
MOS I 25 05 41 38.6–.99 28.36N 56.95E 11 4.9b,4.4b
NEIC I 25 05 41 41.7–2.9 28.57N–.08 56.9E–.10 10–1 4.9b,4.4b
TEH I 25 05 41 41.7 28.48N 57.03E 9–31 4.7L,4.4b
SGS I 25 05 41 43.9 28.63N 56.98E 7 4.7L,4.4b
THR I 25 05 41 43.5–.75 28.49N 56.92E 15–7 4.6L,4.4b
IDC I 25 05 41 45.5–2.3 28.33N 57.01E 54–20 4.5,4.2b
OMAN I 25 05 41 46.9–5.0 28.40N 56.91E 33 6.0b,4.9L
ISC Event type se.
DSN Error ellipse: s-maj=18.3km s-min=12.5km az=76.0.
MOS Error ellipse: s-maj=7.2km s-min=4.6km az=99.7.
NEIC Event type se. Error ellipse: s-maj=17.1km s-min=12.7km az=123.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TEH Error ellipse: s-maj=0.9km s-min=1.2km az=-1.0.
THR Error ellipse: s-maj=5.9km s-min=6.1km az=-1.0.
IDC Error ellipse: s-maj=13.8km s-min=9.2km az=142.0.
OMAN Error ellipse: s-maj=55.0km s-min=18.4km az=176.0.

(203) Bismarck Sea

ISC I 25 13 07 45.6–.48 3.32S–.05 146.21E–.08 25 4.3b,3.9s 64 2-151
IDC I 25 13 07 42.5–.83 3.26S 146.01E 0 4.2,4.2b **¶610235327**
DJA I 25 13 07 43.4–1.8 3S–3.0 146E–4.0 13–14 5.5b,5.0
NEIC I 25 13 07 43.8–2.2 3.28S–.07 146.17E–.08 10–1 4.5b,5.0
GCMT I 25 13 07 47.8–.30 3.37S–.02 146.19E–.02 15–2 4.8W,5.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s12,c13; s83,c108;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.14±.11 $M_{\theta\theta}$0.14±.09; $M_{\phi\phi}$0.00±.11; $M_{r\theta}$0.03±.18; $M_{\theta\phi}$1.90±.08; $M_{\phi r}$0.31±.19; Best double couple: NP1:ϕ_s181.00000°,δ90.00000°,λ-171.00000°. NP2:ϕ_s91.00000°,δ81.00000°,λ0.00000°. Principal axes: T 1.9980,Plg6.0000°,Azm316.0000° ; N -0.1440,Plg81.0000°,Azm184.0000°; P -1.8550,Plg7.0000°,Azm46.0000° $M_0$1.92700×10^{16}

(204) Aru Islands region

ISC I 25 13 49 01.6–.25 5.85S–.03 133.69E–.04 33 5.0b,4.2s 377 3-159
BJI I 25 13 48 54.4–.00 6.07S 134.02E 10 5.1b,4.8s **¶610117024**
MOS I 25 13 48 56.7–.93 5.83S 133.70E 10 5.2b,4.6s
IDC I 25 13 48 56.7–.45 5.80S 133.70E 0 4.8,4.8L
NEIC I 25 13 48 59.2–1.3 5.77S–.05 133.78E–.07 10–1 5.2b,4.8L
DJA I 25 13 49 00.1–.70 6S–2.0 134E–1.0 18–5 6.8,6.7
GCMT I 25 13 49 03.2–.20 5.68S–.02 133.59E–.02 24–0 5.0W,6.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s61,c76; s81,c122;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.64±.16 $M_{\theta\theta}$0.64±.10; $M_{\phi\phi}$3.00±.11; $M_{r\theta}$0.22±.15; $M_{\theta\phi}$1.27±.07; $M_{\phi r}$1.77±.14; Best double couple: NP1:ϕ_s196.00000°,δ58.00000°,λ-97.00000°. NP2:ϕ_s30.00000°,δ33.00000°,λ-78.00000°. Principal axes: T 3.9420,Plg13.0000° ,Azm292.0000°; N 0.1400,Plg6.0000°,Azm200.0000°; P -4.0850,Plg76.0000°,Azm85.0000° $M_0$4.01300×10^{16}

(228) Near east coast of eastern Honshu

ISC I 26 08 06 27.8–.22 40.19N–.02 142.45E–.03 31 5.3b,4.5s 1334 1-159
BJI I 26 08 06 24.5–.00 40.01N 142.65E 39 5.1b,5.0b **¶611831653**
NIED I 26 08 06 27.9 40.17N 142.46E 36 5.1W,5.0b
JMA I 26 08 06 27.9–.09 40.2N–.20 142.5E–.50 36–0 5.2,5.1W
MOS I 26 08 06 28.5–.86 40.25N 142.40E 47 5.6b,4.5s
IDC I 26 08 06 29.7–.46 40.17N 142.36E 46–3 5.2,4.9b
NEIC I 26 08 06 30.2–1.9 40.24N–.05 142.43E–.08 42–5 5.4b,5.1
GCMT I 26 08 06 31.2–.20 40.25N–.01 142.46E–.02 42–0 5.2W,5.1
BGR I 26 08 06 35.7 40.88N 142.29E 46–0 5.2b,4.7s
NEIC I 26 08 06 37.4 40.15N 142.58E 50 5.2b,4.7s
ISC Event type ke. Moment Tensor Solution. NP1:ϕ_s37.07205°,δ52.23656°,λ100.41933°. NP2: ϕ_s200.35889°,δ38.96682°,λ76.85915°. Principal axes: T Plg79.3632°,Azm350.9249° ; N Plg8.2198°,Azm210.6470°; P Plg6.7045°,Azm119.6740°
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}3.36 $M_{\theta\theta}$0.24 $M_{\phi\phi}$-3.60 $M_{r\theta}$1.87 $M_{\theta\phi}$-0.63 $M_{\phi r}$3.34 NP1:ϕ_s24.00000°,δ69.00000°,λ102.00000°. NP2:ϕ_s174.00000° ,δ24.00000°,λ62.00000°. $M_0$5.21000×10^{16}
JMA Event type fe. NE OFF IWATE PREF .
MOS Error ellipse: s-maj=5.8km s-min=3.6km az=109.5.
IDC Error ellipse: s-maj=9.6km s-min=8.3km az=109.0.
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=7.0km az=118.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}2.20 $M_{\theta\theta}$-0.23 $M_{\phi\phi}$-1.97 $M_{r\theta}$1.24 $M_{\theta\phi}$-0.14 $M_{\phi r}$3.14 NP1:ϕ_s175.69000°,δ16.84000°,λ67.98000°. NP2:ϕ_s18.60000°,δ74.42000° ,λ96.48000°. Principal axes: T 4.1287,Plg60.0000°,Azm298.0000°; N -0.3280,Plg6.0000° ,Azm197.0000°; P -3.8007,Plg29.0000°,Azm103.0000° $M_0$3.97000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s81,c104; s119,c193;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.68±.02 $M_{\theta\theta}$-0.07±.01; $M_{\phi\phi}$-0.60±.01; $M_{r\theta}$0.25±.01; $M_{\theta\phi}$-0.10±.01; $M_{\phi r}$0.41±.01; Best double couple: NP1:ϕ_s22.00000°,δ63.00000°,λ100.00000°. NP2:ϕ_s181.00000°,δ28.00000°,λ71.00000°. Principal axes: T 0.8510,Plg70.0000° ,Azm313.0000°; N -0.0850,Plg9.0000°,Azm197.0000°; P -0.7650,Plg18.0000° ,Azm105.0000° $M_0$0.80800×10^{17}
BGR Event type ke.
NEIC Event type se. Moment Tensor Solution.Duration: 1s8 Moment tensor: Scale 10^{16}Nm; M_{rr}4.35 $M_{\theta\theta}$-0.04 $M_{\phi\phi}$-4.31 $M_{r\theta}$0.95 $M_{\theta\phi}$-0.83 $M_{\phi r}$2.31 NP1:ϕ_s16.48000°,δ59.75000° ,λ96.07000°. NP2:ϕ_s184.55000°,δ30.80000°,λ79.72000°. Principal axes: T 5.0355,Plg74.0000°,Azm303.0000°; N 0.0678,Plg5.0000°,Azm193.0000° ; P -5.1033,Plg15.0000°,Azm102.0000° $M_0$5.07000×10^{16}

(558) Ethiopia

ISC I 27 16 29 21.9–.59 7.72N–.03 38.61E–.04 6–3 5.1b,4.6s 635 1-167
BJI I 27 16 29 19.3–.00 7.55N 38.61E 10 5.5b,5.1s **¶615345447**
IDC I 27 16 29 20.7–.46 7.61N 38.75E 0 4.6,4.6b
MOS I 27 16 29 20.7–.91 7.61N 38.78E 10 5.3b,4.4s
NEIC I 27 16 29 22.6–2.0 7.67N–.07 38.67E–.09 10–1 5.3,5.2b

GCMT I 27 16 29 23.6–.10 7.61N–.01 38.80E–.01 12 5.3W,5.2b
BGR I 27 16 29 24.1 8.12N 39.38E 10 5.2b,5.2b
AAE I 27 16 29 25.2–3.1 7.74N 38.93E 0–12 4.8L,5.2b
NEIC I 27 16 29 27 7.71N 38.75E 14 4.8L,5.2b
ISC Event type se.
IDC Error ellipse: s-maj=14.0km s-min=9.6km az=122.0.
MOS Error ellipse: s-maj=7.5km s-min=3.6km az=83.6.
NEIC Event type se. Error ellipse: s-maj=15.9km s-min=10.9km az=295.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s99,c148; s148,c267;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; Mrr-0.95±.01 Mθθ-0.09±.01; Mφφ1.04±.01; Mrθ0.06±.04; Mθφ0.14±.01; Mφr-0.01±.03; Best double couple: NP1:φs3.00000°,δ45.00000°,λ-96.00000°. NP2:φs191.00000°,δ45.00000°,λ-84.00000°. Principal axes: T 1.0560,Plg0.0000° ,Azm97.0000°; N -0.1050,Plg4.0000°,Azm7.0000°; P -0.9550,Plg86.0000°,Azm188.0000° M0 1.00600$\times10^{17}$
BGR Event type ke.
AAE Error ellipse: s-maj=6.2km s-min=8.3km az=-1.0.
NEIC Event type se. Moment Tensor Solution.Duration: 10s0 Moment tensor: Scale 10^{17}Nm; Mrr-0.89 Mθθ-0.04 Mφφ0.93 Mrθ0.13 Mθφ0.23 Mφr-0.78 NP1:φs208.00000°,δ28.00000° ,λ-63.00000°. NP2:φs358.00000°,δ65.00000°,λ-103.00000°. Principal axes: T 1.2452,Plg19.0000°,Azm98.0000°; N -0.0262,Plg12.0000°,Azm4.0000° ; P -1.2190,Plg67.0000°,Azm244.0000° M0 1.23000$\times10^{17}$

(192) New Britain region
ISC I 28 04 14 39.3–.44 5.61S–.03 151.83E–.04 45–3 5.2b,4.8s 766 1-157
BJI I 28 04 14 35.1–.00 5.50S 152.03E 32 5.3b,5.0b **¶610145110**
NEIC I 28 04 14 35.5–1.7 5.63S–.06 151.77E–.09 10–1 5.3b,5.0b
MOS I 28 04 14 37.5–1.0 5.43S 151.68E 35 5.4b,5.1s
IDC I 28 04 14 39.2–1.2 5.52S 151.78E 45–11 4.8,4.7s
DJA I 28 04 14 41.2–.40 6S–3.0 152E–4.0 71–4 6.0,5.6b
GCMT I 28 04 14 41.5–.10 5.75S–.01 151.78E–.01 28–0 5.4W,5.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s128,c208; s112,c188;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; Mrr1.03±.03 Mθθ-0.95±.02; Mφφ-0.08±.02; Mrθ0.90±.04; Mθφ-0.49±.02; Mφr0.33±.04; Best double couple: NP1:φs69.00000°,δ65.00000°,λ93.00000°. NP2:φs242.00000°,δ25.00000°,λ84.00000°. Principal axes: T 1.3870,Plg69.0000° ,Azm344.0000°; N 0.1300,Plg3.0000°,Azm248.0000°; P -1.5220,Plg20.0000°,Azm157.0000° M0 1.45500$\times10^{17}$

(270) Ceram Sea
ISC I 28 05 43 08.4–.89 2.52S–.06 128.91E–.05 10 17 1-64
IDC I 28 05 43 06.9–1.7 2.70S 129.04E 0 3.5,3.4b **¶610235539**
DJA I 28 05 43 08.5–.70 2S–3.0 129E–2.0 12–6 5.9b,5.5
ISC Event type ke.

(109) Near coast of northern Peru
ISC I 28 06 42 31.3–.30 9.32S–.03 78.93W–.04 53–2 5.5b,4.5s 1320 2-173
VAO I 28 06 42 28.6–3.0 9.30S 78.89W 22–16 5.5b,4.5s **¶610145115**
BGR I 28 06 42 28.8 10.82S 76.99W 33 5.4b,4.5s
NEIC I 28 06 42 31.9–2.1 9.35S–.05 79.00W–.08 50–4 5.6b,5.3
MOS I 28 06 42 31.3–.98 9.28S 78.99W 61 5.8b,5.3
IDC I 28 06 42 34.2–1.2 9.30S 78.88W 78–10 5.2,5.0b
GCMT I 28 06 42 34.9–.10 9.20S–.01 79.37W–.01 61–0 5.3W,5.0b
NEIC I 28 06 42 37.6 9.25S 79.30W 60 5.3W,5.0b
ISC Event type se. Moment Tensor Solution. NP1:φs319.86472°,δ42.63094°,λ-111.62768°. NP2: φs168.18501°,δ50.97995°,λ-71.25853°. Principal axes: T Plg4.3042°,Azm245.0154° ; N Plg14.4553°,Azm336.1271°; P Plg74.8906°,Azm138.8293°
VAO Error ellipse: s-maj=6.2km s-min=14.5km az=-1.0.
BGR Event type ke.
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=6.7km az=82.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=11.5km s-min=6.2km az=105.9.
IDC Error ellipse: s-maj=14.8km s-min=6.0km az=69.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s131,c182; s116,c190;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; Mrr-1.13±.02 Mθθ-0.07±.02; Mφφ1.20±.02; Mrθ-0.00±.01; Mθφ-0.31±.01; Mφr0.19±.02; Best double couple: NP1:φs169.00000°,δ49.00000°,λ-87.00000°. NP2:φs345.00000°,δ41.00000°,λ-94.00000°. Principal axes: T 1.2850,Plg4.0000° ,Azm257.0000°; N -0.1410,Plg2.0000°,Azm347.0000°; P -1.1460,Plg85.0000° ,Azm105.0000° M0 1.21600$\times10^{17}$
NEIC Event type se. Moment Tensor Solution.Duration: 2s3 Moment tensor: Scale 10^{17}Nm; Mrr-1.05 Mθθ0.06 Mφφ0.99 Mrθ-0.02 Mθφ-0.49 Mφr0.16 NP1:φs159.51000°,δ49.01000° ,λ-86.15000°. NP2:φs333.64000°,δ41.14000°,λ-94.42000°. Principal axes: T 1.2135,Plg4.0000°,Azm247.0000°; N -0.1511,Plg3.0000°,Azm337.0000° ; P -1.0625,Plg85.0000°,Azm103.0000° M0 1.14000$\times10^{17}$

(282) South of Jawa
ISC I 28 09 28 35.3–.86 9.65S–.07 112.96E–.05 54–6 4.7b,4.5s 112 1-141
NEIC I 28 09 28 32.9–.80 9.8S–.10 112.97E–.06 38–9 4.7b,4.5s **¶610145142**
DJA I 28 09 28 35.7–.40 10S–4.0 113E–1.0 41–32 6.0b,5.6
IDC I 28 09 28 41.6–2.1 9.33S 113.09E 94–19 4.4,4.2s
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.2km s-min=7.0km az=198.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=20.3km s-min=12.3km az=22.0.

(169) Samoa Islands region
ISC I 28 22 32 54.4–.29 15.37S–.03 173.02W–.04 31–1 5.5b,5.0s 1327 2-174
IDC I 28 22 32 49.7–.33 15.42S 173.11W 0 5.5L,5.1 **¶610147559**
BJI I 28 22 32 50.7–.00 15.17S 172.98W 10 5.6b,5.1b
NOU I 28 22 32 53.8 15.44S 172.98W 29 5.5b,5.1b
MOS I 28 22 32 54.1–1.1 15.41S 173.12W 37 5.7b,5.1s
NEIC I 28 22 32 56.3–1.3 15.23S–.07 173.08W–.07 37–3 5.6b,5.4
NEIC I 28 22 32 56.4 15.22S 173.08W 60 5.6b,5.4
NEIC I 28 22 32 56.4 14.82S 172.45W 60 5.6b,5.4
GCMT I 28 22 33 01.3–.10 15.29S–.01 172.90W–.01 59–1 5.5W,5.4
ISC Event type se. Moment Tensor Solution. NP1:φs202.11908°,δ53.63836°,λ-171.67703°. NP2: φs107.16196°,δ83.30592°,λ-36.65173°. Principal axes: T Plg19.6822°,Azm160.1130° ; N Plg52.8265°,Azm278.2582°; P Plg30.1096°,Azm58.1410°
NOU Samoa Islands Region.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; Mrr-0.63 Mθθ0.20 Mφφ0.43 Mrθ-1.21 Mθφ1.00 Mφr0.34 NP1:φs188.47000°,δ42.99000°,λ-156.70000°. NP2:φs80.98000°,δ74.35000° ,λ-49.43000°. Principal axes: T 1.5175,Plg19.0000°,Azm142.0000°; N 0.3242,Plg39.0000° ,Azm248.0000°; P -1.8417,Plg45.0000°,Azm32.0000° M0 1.70000$\times10^{17}$
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2s6 Moment tensor: Scale 10^{17}Nm; Mrr0.57 Mθθ-0.73 Mφφ0.16 Mrθ-1.37 Mθφ0.93 Mφr0.21 NP1:φs274.81000°,δ77.44000° ,λ62.74000°. NP2:φs161.92000°,δ29.81000°,λ154.05000°. Principal axes: T 1.5318,Plg50.0000°,Azm154.0000°; N 0.4457,Plg27.0000°,Azm281.0000° ; P -1.9775,Plg27.0000°,Azm26.0000° M0 1.75000$\times10^{17}$
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s110,c171; s156,c266;Duration: 1s4 Moment tensor: Scale 10^{17}Nm; Mrr-0.08±.03 Mθθ0.22±.03; Mφφ-0.14±.03; Mrθ-1.81±.03; Mθφ1.32±.03; Mφr0.22±.02; Best double couple: NP1:φs94.00000°,δ89.00000°,λ-54.00000°. NP2:φs186.00000°,δ36.00000°,λ-178.00000°. Principal axes: T 2.2130,Plg34.0000° ,Azm154.0000°; N 0.0890,Plg36.0000°,Azm273.0000°; P -2.3020,Plg36.0000°,Azm35.0000° M0 2.25800$\times10^{17}$

(210) South of Mariana Islands
ISC I 29 13 47 44.5–.91 12.65N–.04 145.11E–.06 32–5 4.8b,4.0s 420 1-155
BJI I 29 13 47 38.9–.00 12.68N 145.31E 17 4.9b,4.5b **¶610147587**
NEIC I 29 13 47 41.7–1.4 12.69N–.06 145.2E–.10 10–1 5.0b,4.5b
MOS I 29 13 47 43.3–.76 12.71N 145.05E 39 4.8b,4.1s
DJA I 29 13 47 44.4–.60 13N–4.0 145E–5.0 49–6 5.7b,5.2
GCMT I 29 13 47 45.7–.40 12.49N–.03 145.10E–.03 18–1 4.8W,5.2
IDC I 29 13 47 46.0–1.6 12.74N 145.15E 42–12 4.3,4.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.1km s-min=9.8km az=78.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=11.4km s-min=6.8km az=101.2.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s16,c19; s71,c103;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr1.45±.14 Mθθ0.14±.08; Mφφ-1.59±.10; Mrθ0.24±.25; Mθφ-0.70±.06; Mφr0.67±.21; Best double couple: NP1:φs20.00000°,δ57.00000°,λ90.00000°. NP2:φs199.00000°,δ33.00000°,λ89.00000°. Principal axes: T 1.5980,Plg78.0000° ,Azm291.0000°; N 0.3940,Plg0.0000°,Azm200.0000°; P -1.9880,Plg12.0000°,Azm110.0000° M0 1.79300$\times10^{16}$
IDC Error ellipse: s-maj=20.5km s-min=11.7km az=95.0.

(178) Kermadec Islands
ISC I 29 14 59 51.6–.33 30.23S–.03 177.33W–.04 21–2 5.8s,5.7b 1622 1-176
IDC I 29 14 59 48.9–.31 30.08S 177.48W 0 5.5s,5.3 **¶611831682**
BJI I 29 14 59 49.4–.00 30.00S 177.20W 19 6.0b,5.7s
MOS I 29 14 59 49.4–.96 30.15S 177.51W 12 5.9b,5.6s
NEIC I 29 14 59 51 30.37S 176.58W 24 5.9b,5.6s
NEIC I 29 14 59 52.0–1.6 30.09S–.07 177.5W–.10 18–1 5.9,5.8
NOU I 29 14 59 53.4 30.59S 176.85W 51 5.8L,5.8
GCMT I 29 14 59 55.0–.10 30.15S–.01 177.19W 24–0 5.9W,5.8
ISC Event type se. Moment Tensor Solution. NP1:φs239.74799°,δ41.28670°,λ153.04555°. NP2: φs350.66055°,δ72.59718°,λ51.94905°. Principal axes: T Plg47.9721°,Azm220.0441° ; N Plg36.0257°,Azm3.8363°; P Plg18.6536°,Azm108.0475°
NEIC Event type se. Moment Tensor Solution.Duration: 12s0 Moment tensor: Scale 10^{17}Nm; Mrr7.42 Mθθ-1.34 Mφφ-6.08 Mrθ1.54 Mθφ-3.72 Mφr4.99 NP1:φs216.00000°,δ29.00000° ,λ103.00000°. NP2:φs22.00000°,δ62.00000°,λ83.00000°. Principal axes: T 9.0719,Plg72.0000°,Azm276.0000°; N 0.5931,Plg6.0000°,Azm25.0000° ; P -9.6649,Plg17.0000°,Azm117.0000° M0 9.38000$\times10^{17}$
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; Mrr3.55 Mθθ-0.72 Mφφ-2.82 Mrθ1.14 Mθφ-1.34 Mφr2.30 NP1:φs205.67000°,δ26.94000°,λ89.55000°. NP2:φs26.18000°,δ63.07000° ,λ90.23000°. Principal axes: T 4.3817,Plg72.0000°,Azm297.0000°; N -0.0703,Plg0.0000° ,Azm206.0000°; P -4.3114,Plg18.0000°,Azm116.0000° M0 4.35000$\times10^{17}$
NOU Kermadec Islands Region.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s156,c328; s156,c476; Duration: 2s1 Moment tensor: Scale 10^{18}Nm; Mrr0.70±.01 Mθθ-0.04±.00; Mφφ-0.65±.01; Mrθ0.09±.01; Mθφ-0.20±.00; Mφr0.46±.01; Best double couple: NP1:φs14.00000°,δ62.00000° ,λ87.00000°. NP2:φs200.00000°,δ28.00000°,λ95.00000°. Principal axes: T 0.8390,Plg73.0000°,Azm277.0000°; N 0.0120,Plg2.0000°,Azm15.0000° ; P -0.8510,Plg17.0000°,Azm106.0000° M0 0.84500$\times10^{18}$

(428) Southwest Indian Ridge
ISC I 29 16 42 28.4–.40 29.19S–.04 61.14E–.04 24–2 5.7b,4.9s 1760 10-176
BJI I 29 16 42 23.5–.00 29.20S 61.10E 10 5.7b,5.2b **¶611831680**
IDC I 29 16 42 24.5–.34 29.19S 61.25E 0 5.3b,5.2
NEIC I 29 16 42 27 29.23S 61.02E 12 5.3b,5.2
MOS I 29 16 42 27.6–3.0 29.10S 61.20E 10 5.9b,4.8s
GCMT I 29 16 42 27.7–.10 29.13S–.01 61.03E–.01 12 5.4W,4.8s
NEIC I 29 16 42 27.7–2.1 29.20S–.08 61.28E–.09 10–1 5.8b,5.4
BGR I 29 16 42 48.3 28.17S 59.81E 32 5.8b,4.8s
ISC Event type se. Moment Tensor Solution. NP1:φs275.11014°,δ28.03005°,λ-49.60725°. NP2: φs51.16280°,δ69.02800°,λ-109.03424°. Principal axes: T Plg21.7824°,Azm155.5423° ; N Plg17.7298°,Azm58.2019°; P Plg61.3119°,Azm292.4514°
IDC Error ellipse: s-maj=12.7km s-min=10.7km az=80.0.
NEIC Event type se. Moment Tensor Solution.Duration: 2s0 Moment tensor: Scale 10^{17}Nm; Mrr-1.55 Mθθ1.03 Mφφ0.52 Mrθ-0.01 Mθφ0.47 Mφr-0.02 NP1:φs240.00000°,δ45.00000° ,λ-89.00000°. NP2:φs59.00000°,δ45.00000°,λ-90.00000°. Principal axes: T 1.3138,Plg0.0000°,Azm149.0000°; N 0.2364,Plg0.0000°,Azm59.0000° ; P -1.5502,Plg90.0000°,Azm-83.0000° M0 1.45000$\times10^{17}$
MOS Error ellipse: s-maj=9.0km s-min=4.2km az=100.3.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s99,c143; s142,c263;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; Mrr-1.63±.02 Mθθ1.10±.02; Mφφ0.52±.02; Mrθ0.02±.06; Mθφ0.76±.02; Mφr-0.14±.06; Best double couple: NP1:φs51.00000°,δ46.00000°,λ-96.00000°. NP2:φs240.00000°,δ44.00000°,λ-84.00000°. Principal axes: T 1.6240,Plg1.0000° ,Azm145.0000°; N 0.0100,Plg4.0000°,Azm55.0000°; P -1.6410,Plg85.0000°,Azm249.0000° M0 1.63200$\times10^{17}$
NEIC Event type se. Error ellipse: s-maj=13.9km s-min=12.9km az=100.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BGR Event type ke.

(259) Mindanao
ISC I 30 02 43 55.3–.32 9.88N–.03 126.10E–.04 57–2 5.1b,3.9s 864 1-172
BJI I 30 02 43 53.1–.00 9.58N 126.06E 73 5.0b,4.9b **¶611831691**
MOS I 30 02 43 54.2–.90 10.01N 125.82E 53 5.3b,4.9b
DJA I 30 02 43 54.6–.50 10N–3.0 126E–4.0 53–4 5.5,5.4b
MAN I 30 02 43 55.0 9.89N 126.16E 29 5.6b,4.9s
NEIC I 30 02 43 55.8–1.9 9.94N–.07 126.04E–.09 53–5 5.1b,4.9s
GCMT I 30 02 43 56.8–.40 9.87N–.02 126.28E–.03 46–1 5.1W,4.9s
IDC I 30 02 43 59.2–1.2 9.86N 125.97E 89–10 5.0,4.6b
ISC Event type fe.
MOS Error ellipse: s-maj=8.3km s-min=4.3km az=115.9.
MAN Event type fe. INTENSITY V - BURGOS SURIGAO DEL NORTE; INTENSITY IV - SURIGAO CITY; DEL CARMEN DAPA SURIGAO DEL NORTE; INTENSITY III - LORETO DINAGAT ISLAND; SOCORRO SURIGAO DEL NORTE; INTENSITY II - SAN FRANCISCO SOUTHERN LEYTE ; GENERAL LUNA TUBOD SURIGAO DEL NORTE.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=10.0km az=80.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s41,c49; s65,c94;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr4.75±.26 Mθθ-0.18±.16; Mφφ-4.57±.15; Mrθ0.77±.12; Mθφ0.25±.11; Mφr1.19±.18; Best double couple: NP1:φs6.00000°,δ53.00000°,λ101.00000°. NP2:φs168.00000°,δ39.00000°,λ76.00000°. Principal axes: T 5.0210,Plg79.0000° ,Azm320.0000°; N -0.2990,Plg9.0000°,Azm179.0000°; P -4.7250,Plg7.0000°,Azm88.0000° M0 4.87300$\times10^{16}$
IDC Error ellipse: s-maj=13.2km s-min=6.8km az=82.0.

(403) Northern Mid-Atlantic Ridge
ISC I 31 00 55 00.5–.52 34.62N–.04 36.50W–.03 10–3 5.3b,5.0s 1585 6-177
IDC I 31 00 54 58.6–.36 34.65N 36.57W 0 4.9s,4.9 **¶611831695**
MOS I 31 00 54 59.4–.90 34.62N 36.52W 12 5.4b,4.9s
BJI I 31 00 54 59.1–.00 34.97N 36.85W 10 5.9b,5.5s
GCMT I 31 00 55 01.9–.10 34.76N–.01 36.62W–.01 12 5.5W,5.5s
NEIC I 31 00 55 01.8–1.4 34.61N–.08 36.44W–.10 10–1 5.4,5.3b
ISC Event type se. Moment Tensor Solution. NP1:φs189.72939°,δ72.10677°,λ-115.43354°. NP2: φs66.86375°,δ30.75044°,λ-36.93498°. Principal axes: T Plg22.9816°,Azm298.9895° ; N Plg24.1226°,Azm198.0421°; P Plg55.5828°,Azm67.2309°
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s77,c112; s147,c274;Duration: 1s4 Moment tensor: Scale 10^{17}Nm; Mrr-2.09±.04 Mθθ-0.05±.05; Mφφ2.14±.03; Mrθ-0.17±.15; Mθφ1.52±.03; Mφr-0.18±.11; Best double couple: NP1:φs30.00000°,δ48.00000°,λ-86.00000°. NP2:φs204.00000°,δ42.00000°,λ-95.00000°. Principal axes: T 2.9300,Plg3.0000° ,Azm117.0000°; N -0.8240,Plg3.0000°,Azm207.0000°; P -2.1060,Plg86.0000° ,Azm346.0000° M0 2.51800$\times10^{17}$
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; Mrr0.46 Mθθ-0.92 Mφφ0.46 Mrθ0.59 Mθφ1.33 Mφr0.69 NP1:φs81.01000°,δ70.70000°,λ27.59000°. NP2:φs341.21000°,δ64.08000° ,λ158.44000°. Principal axes: T 1.8413,Plg33.0000°,Azm303.0000°; N -0.1052,Plg57.0000° ,Azm113.0000°; P -1.7362,Plg4.0000°,Azm210.0000° M0 1.79000$\times10^{17}$

(268) Sulawesi
ISC I 31 13 27 55.6–.66 1.27S–.06 121.92E–.06 35 4.0b,2.9s 38 1-63
DJA I 31 13 27 53.4–1.1 1S–3.0 122E–3.0 12–9 5.8b,5.3 **¶610235823**
IDC I 31 13 27 55.8–3.8 1.20S 121.92E 38–37 4.5L,3.9
NEIC I 31 13 27 56.9–1.8 1.28S–.07 121.96E–.06 48–12 4.1b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(209) Western Caroline Islands

ISC II 02 00 18 47.9–.34 12.10N–.03 141.07E–.04 42–2 5.3b,4.8s 943 4-171
BJI II 02 00 18 42.2–.00 11.98N 141.28E 21 5.5b,5.2s **¶610172167**
NEIC II 02 00 18 44.0–1.6 12.12N–.07 141.03E–.07 9–1 5.6,5.4
GCMT II 02 00 18 46.0–.10 12.11N–.01 140.84E–.01 14–0 5.6W,5.4
MOS II 02 00 18 46.2–.86 12.10N 141.03E 41 5.7b,4.9s
DJA II 02 00 18 48.1–.30 12N–3.0 141E–3.0 51–2 5.8b,5.5
KLM II 02 00 18 50 12.17N 141.04E 49 5.3b,5.5
IDC II 02 00 18 50.9–1.8 12.13N 141.19E 69–16 5.2,4.9b
NEIC II 02 00 18 54.2 12.10N 140.53E 26 5.2,4.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=9.5km az=309.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-1.45 $M_{\theta\theta}$1.05 $M_{\phi\phi}$0.40 $M_{r\theta}$-0.03 $M_{\theta\phi}$1.07 $M_{\phi r}$0.49 NP1:ϕ_s216.13000°,δ52.42000°,λ-113.55000°. NP2:ϕ_s71.69000°,δ43.40000° ,λ-62.55000°. Principal axes: T 1.8618,Plg5.0000°,Azm323.0000°; N -0.2583,Plg18.0000° ,Azm231.0000°; P -1.6035,Plg71.0000°,Azm66.0000° $M_0$1.75000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s126,c209; s152,c282;Duration: 1^{s}5 Moment tensor: Scale 10^{17}Nm; M_{rr}-2.52±.04 $M_{\theta\theta}$1.95±.03; $M_{\phi\phi}$0.56±.03; $M_{r\theta}$0.72±.07; $M_{\theta\phi}$1.37±.03; $M_{\phi r}$1.28±.08; Best double couple: NP1:ϕ_s224.00000°,δ60.00000°,λ-106.00000°. NP2:ϕ_s73.00000°,δ34.00000°,λ-66.00000°. Principal axes: T 3.0950,Plg13.0000° ,Azm326.0000°; N -0.1040,Plg13.0000°,Azm232.0000°; P -2.9920,Plg71.0000° ,Azm99.0000° $M_0$3.04300×10^{17}
MOS Error ellipse: s-maj=7.7km s-min=4.1km az=113.4.
IDC Error ellipse: s-maj=11.3km s-min=7.7km az=80.0.
NEIC Event type se. Moment Tensor Solution.Duration: 3^{s}2 Moment tensor: Scale 10^{17}Nm; M_{rr}-2.30 $M_{\theta\theta}$1.69 $M_{\phi\phi}$0.61 $M_{r\theta}$1.87 $M_{\theta\phi}$1.35 $M_{\phi r}$1.76 NP1:ϕ_s228.88000°,δ68.26000° ,λ-95.82000°. NP2:ϕ_s64.27000°,δ22.46000°,λ-75.74000°. Principal axes: T 3.6884,Plg23.0000°,Azm323.0000°; N -0.2659,Plg5.0000°,Azm231.0000° ; P -3.4225,Plg66.0000°,Azm129.0000° $M_0$3.56000×10^{17}

(160) Off east coast of North Island
ISC II 02 05 05 38.8–.42 37.84S–.03 177.58E–.03 58–3 5.2b,4.0s 396 0-165
WEL II 02 05 05 00 37.78S 177.55E 52 4.9W,4.8L **¶610172176**
BJI II 02 05 05 38.0–.00 37.80S 177.50E 38 5.6b,5.2b
NEIC II 02 05 05 38.1–1.9 38.03S–.04 177.78E–.05 64–5 5.1b,4.9
WEL II 02 05 05 39.3–.27 38S–3.0 178E–3.0 27–3 5.1L,4.8
NOU II 02 05 05 39.1 37.97S 177.62E 45 5.2b,4.8
NEIC II 02 05 05 41.5 38.02S 177.78E 50 5.2b,4.8
GCMT II 02 05 05 43.1–.30 37.85S–.02 177.66E–.03 50–1 5.0W,4.8
IDC II 02 05 05 44.6–4.2 37.95S 177.72E 115–31 4.9,4.6b
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s357.06180°,δ73.66689°,λ61.98483°. NP2: ϕ_s239.20256°,δ32.09211°,λ148.04009°. Principal axes: T Plg52.9311°,Azm233.6259° ; N Plg26.7918°,Azm5.5715°; P Plg23.5909°,Azm108.3107°
WEL Moment Tensor Solution. s9 Moment tensor: Scale 10^{16}Nm; M_{rr}1.79 $M_{\theta\theta}$-0.27 $M_{\phi\phi}$-1.53 $M_{r\theta}$-0.14 $M_{\theta\phi}$-0.57 $M_{\phi r}$1.86 NP1:ϕ_s215.00000°,δ25.00000°,λ119.00000°. NP2:ϕ_s4.00000° ,δ69.00000°,λ78.00000°. Principal axes: T -2459.7500,Plg64.0000°,Azm254.0000° ; N -214.2000,Plg11.0000°,Azm8.0000°; P 2673.9400,Plg23.0000°,Azm104.0000° $M_0$2.57000×10^{16}
NEIC Event type se. Error ellipse: s-maj=6.3km s-min=5.7km az=150.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=41.3. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU Off E. Coast of N. Island, N.Z.
NEIC Event type se. Moment Tensor Solution.Duration: 1^{s}4 Moment tensor: Scale 10^{16}Nm; M_{rr}2.69 $M_{\theta\theta}$-0.45 $M_{\phi\phi}$-2.24 $M_{r\theta}$-0.07 $M_{\theta\phi}$-0.63 $M_{\phi r}$1.26 NP1:ϕ_s9.29000°,δ57.87000° ,λ81.85000°. NP2:ϕ_s204.36000°,δ33.04000°,λ102.72000°. Principal axes: T 3.0053,Plg76.0000°,Azm255.0000°; N -0.3033,Plg7.0000°,Azm14.0000° ; P -2.7021,Plg13.0000°,Azm105.0000° $M_0$2.85000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s45,c57; s72,c84;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.07±.22 $M_{\theta\theta}$-0.25±.16; $M_{\phi\phi}$-2.82±.14; $M_{r\theta}$0.00±.11; $M_{\theta\phi}$-1.77±.10; $M_{\phi r}$1.65±.11; Best double couple: NP1:ϕ_s14.00000°,δ58.00000°,λ74.00000°. NP2:ϕ_s222.00000°,δ35.00000°,λ114.00000°. Principal axes: T 3.5590,Plg72.0000° ,Azm245.0000°; N 0.4740,Plg13.0000°,Azm22.0000°; P -4.0320,Plg12.0000°,Azm115.0000° $M_0$3.79600×10^{16}
IDC Error ellipse: s-maj=28.4km s-min=21.7km az=151.0.

(274) Southern Sumatera
ISC II 02 06 34 12.2–.43 5.84S–.05 102.42E–.05 21 4.7b,3.6s 155 2-146
IDC II 02 06 34 09.2–.82 5.81S 102.45E 0 4.4,4.4b **¶610172178**
DJA II 02 06 34 13.9–.40 6S–3.0 102E–3.0 40–5 5.6b,5.2
NEIC II 02 06 34 14.6–1.1 5.81S–.06 102.42E–.07 34–5 4.7b,5.2
KLM II 02 06 34 14 5.90S 102.19E 54 5.2b,5.2
ISC Event type se.
IDC Error ellipse: s-maj=30.4km s-min=12.7km az=45.0.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=8.6km az=99.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(177) Kermadec Islands region
ISC II 02 15 34 23.0–1.3 27.35S–.06 176.17W–.07 13–7 4.9b,4.2s 148 2-166
BJI II 02 15 34 21.6–.00 27.29S 176.02W 17 5.6b,5.2b **¶610180945**
IDC II 02 15 34 22.1–.60 27.14S 176.45W 0 4.6b,4.5
NEIC II 02 15 34 23.3–2.2 27.08S–.09 176.1W–.10 10–1 4.9b,4.5
GCMT II 02 15 34 29.3–.50 27.01S–.04 176.08W–.03 30–1 4.9W,4.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s26,c35; s49,c66;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.39±.23 $M_{\theta\theta}$-0.20±.15; $M_{\phi\phi}$-2.20±.13; $M_{r\theta}$0.74±.22; $M_{\theta\phi}$-0.69±.08; $M_{\phi r}$1.13±.15; Best double couple: NP1:ϕ_s25.00000°,δ60.00000°,λ98.00000°. NP2:ϕ_s190.00000°,δ31.00000°,λ77.00000°. Principal axes: T 2.7640,Plg74.0000° ,Azm315.0000°; N -0.0240,Plg7.0000°,Azm201.0000°; P -2.7460,Plg14.0000° ,Azm109.0000° $M_0$2.75500×10^{16}

(353) Southern Iran
ISC II 03 15 33 50.4–.74 27.63N–.04 56.74E–.05 18 3.7b 59 0-53
TEH II 03 15 33 50.6 27.64N 56.75E 18–40 3.3L **¶610414747**
IDC II 03 15 33 52.8–5.7 28.10N 55.66E 0 3.6,3.6b
OMAN II 03 15 33 55.8–.50 27.26N 56.71E 10 5.5b,3.3L
ISC Event type ke.
TEH Error ellipse: s-maj=3.0km s-min=2.1km az=-1.0.
IDC Error ellipse: s-maj=112.6km s-min=47.7km az=121.0.
OMAN Error ellipse: s-maj=4.4km s-min=2.8km az=26.0.

(92) Leeward Islands
ISC II 03 19 54 23.0–.24 15.04N–.02 60.55W–.03 56–1 5.7b,5.2s 2117 0-165
BJI II 03 19 54 21.8–.00 15.08N 60.43W 40 5.7s,5.5 **¶610195868**
MOS II 03 19 54 21.1–.88 15.09N 60.58W 48 5.7b,5.2s
TRN II 03 19 54 21.7 15.06N 60.52W 40 6.0,5.2s
IDC II 03 19 54 22.5–2.0 15.06N 60.52W 47–18 5.5,5.3L
NEIC II 03 19 54 22.6–1.7 15.07N–.03 60.53W–.05 44–1 5.8,5.7b
GCMT II 03 19 54 24.5–.10 15.16N–.01 60.35W–.01 50–0 5.8W,5.7b
NEIC II 03 19 54 25 15.09N 60.40W 46 5.8W,5.7b
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s150.85417°,δ32.97763°,λ72.88911°. NP2: ϕ_s351.00598°,δ58.65308°,λ100.80810°. Principal axes: T Plg73.9519°,Azm289.6687° ; N Plg9.2155°,Azm165.3344°; P Plg13.0223°,Azm73.1839° Moment Tensor Solution. NP1: ϕ_s175.60242°,δ45.17540°,λ128.84786°. NP2:ϕ_s306.79706°,δ56.46899°,λ57.74370°. Principal axes: T Plg62.7559°,Azm161.2710°; N Plg26.4164°,Azm326.0164°; P Plg6.1925° ,Azm59.1062°
MOS Error ellipse: s-maj=5.6km s-min=3.3km az=52.8.
TRN Event type fe. Felt in Martinique MMI V; Dominica V;Guadeloup e IV; Saint Lucia V, III; St. Vincent V; Barbados III;Montserrat III.
IDC Error ellipse: s-maj=10.9km s-min=10.1km az=95.0.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=5.0km az=273.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}2.57 $M_{\theta\theta}$-0.22 $M_{\phi\phi}$-2.35 $M_{r\theta}$-0.43 $M_{\theta\phi}$1.74 $M_{\phi r}$1.45 NP1:ϕ_s140.99000°,δ32.41000°,λ75.06000°. NP2:ϕ_s338.53000°,δ58.81000° ,λ99.30000°. Principal axes: T 2.9674,Plg74.0000°,Azm274.0000°; N 0.7095,Plg8.0000° ,Azm154.0000°; P -3.6769,Plg13.0000°,Azm62.0000° $M_0$3.38000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s147,c277; s143,c351; Duration: 1^{s}8 Moment tensor: Scale 10^{17}Nm; M_{rr}4.54±.06 $M_{\theta\theta}$-0.42±.04; $M_{\phi\phi}$-4.12±.05; $M_{r\theta}$-1.29±.04; $M_{\theta\phi}$1.73±.04; $M_{\phi r}$2.24±.04; Best double couple: NP1:ϕ_s334.00000°,δ59.00000° ,λ86.00000°. NP2:ϕ_s163.00000°,δ31.00000°,λ98.00000°. Principal axes: T 5.2210,Plg75.0000°,Azm232.0000°; N 0.2390,Plg4.0000°,Azm337.0000° ; P -5.4580,Plg14.0000°,Azm67.0000° $M_0$5.34000×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 8^{s}0 Moment tensor: Scale 10^{17}Nm; M_{rr}4.06 $M_{\theta\theta}$-0.33 $M_{\phi\phi}$-3.73 $M_{r\theta}$-1.78 $M_{\theta\phi}$1.27 $M_{\phi r}$3.09 NP1:ϕ_s169.00000°,δ25.00000° ,λ104.00000°. NP2:ϕ_s334.00000°,δ66.00000°,λ84.00000°. Principal axes: T 5.4318,Plg69.0000°,Azm231.0000°; N 0.0205,Plg6.0000°,Azm337.0000° ; P -5.4523,Plg20.0000°,Azm69.0000° $M_0$5.44000×10^{17}

(197) Near north coast of Irian Jaya
ISC II 04 02 17 36.2–.34 2.55S–.05 139.98E–.04 25 4.7b,3.5s 145 0-149
IDC II 04 02 17 32.4–.49 2.51S 139.98E 0 4.8L,4.5 **¶610195879**
DJA II 04 02 17 35.8–.60 2S–4.0 140E–4.0 24–3 5.8,5.7
NEIC II 04 02 17 38.9–1.5 2.58S–.10 139.85E–.09 42–6 4.7b,5.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(347) Western Iran
ISC II 04 17 34 32.3–.36 31.29N–.04 49.45E–.04 10 4.3b,3.1s 334 0-84
MOS II 04 17 34 30.3–1.2 31.35N 49.51E 10 4.4b,3.1s **¶610197359**
IDC II 04 17 34 31.3–1.1 31.45N 49.50E 0 4.0,3.9b
TEH II 04 17 34 34.1 31.50N 49.55E 12–21 4.0L,3.9b
NEIC II 04 17 34 36.2–1.4 31.30N–.07 49.47E–.08 40–5 4.2b,3.9b
OMAN II 04 17 34 42.8–.25 30.59N 49.56E 12 5.6b,2.4s
ISC Event type se.
MOS Error ellipse: s-maj=8.4km s-min=5.2km az=113.8.
IDC Error ellipse: s-maj=22.8km s-min=15.3km az=4.0.
TEH Error ellipse: s-maj=1.0km s-min=1.0km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=6.8km az=221.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
OMAN Error ellipse: s-maj=6.3km s-min=4.4km az=234.0.

(259) Mindanao
ISC II 04 18 02 34.2–.43 5.74N–.03 124.70E–.04 52–4 4.7b,3.8s 385 1-122
MAN II 04 18 02 28.9 5.69N 124.65E 1 5.1b,4.2s **¶610197360**
BJI II 04 18 02 31.6–.00 5.62N 124.98E 48 4.9b,4.5b
DJA II 04 18 02 31.8–1.2 6N–2.0 125E–3.0 16–11 5.7b,5.2
NEIC II 04 18 02 35.0–1.4 5.75N–.06 124.72E–.06 54–7 4.8b,5.2
IDC II 04 18 02 36.1–1.4 5.74N 124.72E 74–13 4.4,4.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=8.2km az=116.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=15.4km s-min=9.4km az=82.0.

(280) Banda Sea
ISC II 05 21 12 31.7–.98 4.11S–.07 129.24E–.05 10 12 1-65
IDC II 05 21 12 30.4–1.7 4.05S 129.08E 0 3.4,3.2b **¶610414910**
DJA II 05 21 12 32.1–.50 4S–6.0 129E–3.0 10 6.2b,5.9
ISC Event type ke.

(365) Aegean Sea
ISC II 06 03 51 40.0–.56 39.56N–.01 26.17E–.01 5–3 5.4b,4.9s 2290 0-163
BEO II 06 03 51 24.5–.80 38.83N 27.38E 0 5.5L,4.9s **¶610246604**
BGR II 06 03 51 31.9 39.02N 26.07E 10 4.9b,4.0s
BJI II 06 03 51 34.2–.00 39.46N 25.32E 10 5.6b,5.2s
IDC II 06 03 51 39.1–.36 39.56N 26.12E 0 4.9,4.9b
ISK II 06 03 51 39.8 39.55N 26.11E 11–0 5.4L,4.9b
MOS II 06 03 51 39.7–.96 39.55N 26.16E 12 5.4b,5.0s
PDG II 06 03 51 40.1–.44 39.52N 26.08E 12–0 5.4,5.3L
NEIC II 06 03 51 40.6–1.3 39.60N–.05 26.07E–.05 10–1 5.4b,5.3
MED_R II 06 03 51 40.0–.10 39.52N 26.22E 10 5.3W,5.3
DDA II 06 03 51 40.4–.00 39.54N 26.13E 9–0 5.3W,5.3
THE II 06 03 51 40.8 39.54N 26.11E 6–0 4.9L,5.3
MCSM II 06 03 51 40.5–.30 40N–2.0 26E–4.0 9–2 5.4b,5.3
GCMT II 06 03 51 40.6–.10 39.50N–.01 26.07E–.01 12 5.4W,5.3
ATH II 06 03 51 41.6 39.51N 26.10E 14 5.2W,5.3
CFUSG II 06 03 51 45.0 39.80N 26.40E 10 4.3b,5.3
GII II 06 03 51 45.6–.00 39.14N 26.41E 10 5.2,5.1b
BGS II 06 03 51 45.6–1.8 40.03N 25.77E 10 5.6b,5.1b
NEIC II 06 03 51 48.1 39.52N 26.10E 12 5.6b,5.1b
ISC Event type ke.
BEO Event type ke.
ISC Event type ke. Hypocentre not reviewed by the ISC.
IDC Error ellipse: s-maj=7.8km s-min=7.1km az=67.0.
ISK Event type ke.
MOS Error ellipse: s-maj=3.3km s-min=2.1km az=104.0.
PDG Event type ke. Error ellipse: s-maj=0.3km s-min=0.4km az=0.0.
NEIC Event type se. Error ellipse: s-maj=8.0km s-min=5.9km az=197.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-7.69 $M_{\theta\theta}$6.08 $M_{\phi\phi}$1.61 $M_{r\theta}$1.07 $M_{\theta\phi}$-3.52 $M_{\phi r}$1.56 NP1:ϕ_s285.61000°,δ47.27000°,λ-108.60000°. NP2:ϕ_s131.99000°,δ45.88000° ,λ-70.95000°. Principal axes: T 8.0170,Plg1.0000°,Azm29.0000°; N 0.1254,Plg14.0000° ,Azm298.0000°; P -8.1424,Plg76.0000°,Azm122.0000° $M_0$8.08000×10^{16}
MED_R Error ellipse: s-maj=2.2km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=40s. Moment Tensor Solution. Body waves: s14,c20; Mantle waves: s39,c83;Duration: 1^{s}1 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.31±.02 $M_{\theta\theta}$1.00±.02; $M_{\phi\phi}$0.31±.02; $M_{r\theta}$-0.30±.08; $M_{\theta\phi}$-0.56±.02; $M_{\phi r}$0.01±.08; Best double couple: NP1:ϕ_s113.00000°,δ51.00000°,λ-98.00000°. NP2:ϕ_s305.00000°,δ40.00000°,λ-81.00000°. Principal axes: T 1.3400,Plg6.0000°,Azm209.0000°; N 0.0100,Plg6.0000°,Azm118.0000° ; P -1.3500,Plg82.0000°,Azm343.0000° $M_0$1.35000×10^{17}
THE Event type ke. Error ellipse: s-maj=0.4km s-min=0.2km az=97.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s112,c175; s152,c308;Duration: 1^{s}2 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.41±.01 $M_{\theta\theta}$1.05±.01; $M_{\phi\phi}$0.36±.01; $M_{r\theta}$-0.05±.04; $M_{\theta\phi}$-0.65±.01; $M_{\phi r}$0.10±.04; Best double couple: NP1:ϕ_s123.00000°,δ47.00000°,λ-87.00000°. NP2:ϕ_s299.00000°,δ43.00000°,λ-94.00000°. Principal axes: T 1.4430,Plg2.0000° ,Azm211.0000°; N -0.0250,Plg2.0000°,Azm301.0000°; P -1.4160,Plg87.0000°,Azm82.0000° $M_0$1.42900×10^{17}
ATH Moment Tensor Solution. s11 Moment tensor: M_{rr}-6.93 $M_{\theta\theta}$5.76 $M_{\phi\phi}$1.17 $M_{r\theta}$-1.52 $M_{\theta\phi}$-2.71 $M_{\phi r}$-1.02 NP1:ϕ_s103.00000°,δ50.00000°,λ-106.00000°. NP2:ϕ_s307.00000°,δ42.00000° ,λ-72.00000°.
CFUSG Western Turkey. Magtype MSH 4.4 from 5 stations.
GII Event type ke.
BGS Error ellipse: s-maj=68.4km s-min=60.6km az=-1.0.
NEIC Event type se. Moment Tensor Solution.Duration: 2^{s}4 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.25 $M_{\theta\theta}$0.88 $M_{\phi\phi}$0.37 $M_{r\theta}$0.11 $M_{\theta\phi}$-0.59 $M_{\phi r}$-0.22 NP1:ϕ_s308.75000°,δ50.05000° ,λ-83.08000°. NP2:ϕ_s118.05000°,δ40.44000°,λ-98.18000°. Principal axes: T 1.2864,Plg5.0000°,Azm34.0000°; N -0.0040,Plg5.0000°,Azm124.0000° ; P -1.2824,Plg83.0000°,Azm262.0000° $M_0$1.28000×10^{17}

(103) Colombia
ISC II 06 13 02 44.9–.21 3.40N–.02 74.73W–.03 47–1 5.6b,4.9s 2227 1-175
MOS II 06 13 02 43.7–.80 3.46N 74.72W 49 5.9b,4.9s **¶610198059**
RSNC II 06 13 02 44.9–1.5 3.38N 74.72W 0–5 5.4W,5.3L
VAO II 06 13 02 44.5–.22 3.38N 74.68W 32 5.7b,5.3L
BJI II 06 13 02 44.0–.00 3.50N 74.60W 47 5.6b,5.5s
IDC II 06 13 02 45.1–.32 3.35N 74.73W 47–2 5.4,5.2b
NEIC II 06 13 02 45.1–2.1 3.45N–.05 74.67W–.06 38–3 5.6b,5.5
GCMT II 06 13 02 48.1–.10 3.38N–.01 74.67W–.01 50–0 5.5W,5.5
NEIC II 06 13 02 52.6 3.52N 74.54W 46 5.5W,5.5
BGR II 06 13 03 06.6 4.33N 72.74W 33 5.6b,4.8s
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s6.72571°,δ78.89611°,λ57.03215°. NP2: ϕ_s260.18823°,δ34.58651°,λ160.16737°. Principal axes: T Plg45.9160°,Azm243.1471° ; N Plg32.2748°,Azm13.8459°; P Plg26.4847°,Azm122.1870°
MOS Error ellipse: s-maj=6.9km s-min=4.1km az=106.1.
RSNC Error ellipse: s-maj=2.5km s-min=3.4km az=-1.0. Moment Tensor Solution. NP1: ϕ_s359.00000°,δ56.00000°,λ68.00000°.
VAO Error ellipse: s-maj=2.9km s-min=3.3km az=-1.0.
IDC Error ellipse: s-maj=9.3km s-min=5.8km az=100.0.

NEIC Event type se. Error ellipse: s-maj=9.2km s-min=7.3km az=106.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.36 $M_{\theta\theta}$-0.15 $M_{\phi\phi}$-1.20 $M_{r\theta}$-0.35 $M_{\theta\phi}$-0.33 $M_{\phi r}$0.36 NP1:ϕ_s0.64000°,δ52.50000°,λ70.64000°. NP2:ϕ_s210.63000°,δ41.54000° ,λ113.36000°. Principal axes: T 1.4996,Plg74.0000°,Azm214.0000°; N -0.1727,Plg15.0000° ,Azm13.0000°; P -1.3269,Plg6.0000°,Azm104.0000° $M_0$1.42000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s132,c215; s137,c238;Duration: 1^{s}3 Moment tensor: Scale 10^{17}Nm; M_{rr}1.77±.03 $M_{\theta\theta}$0.12±.02; $M_{\phi\phi}$-1.89±.02; $M_{r\theta}$-0.40±.02; $M_{\theta\phi}$-0.77±.02; $M_{\phi r}$0.53±.03; Best double couple: NP1:ϕ_s1.00000°,δ53.00000°,λ67.00000°. NP2:ϕ_s217.00000°,δ43.00000°,λ118.00000°. Principal axes: T 1.9930,Plg70.0000° ,Azm213.0000°; N 0.1920,Plg19.0000°,Azm16.0000°; P -2.1850,Plg6.0000°,Azm107.0000° $M_0$2.08900×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 2^{s}6 Moment tensor: Scale 10^{17}Nm; M_{rr}1.79 $M_{\theta\theta}$0.08 $M_{\phi\phi}$-1.87 $M_{r\theta}$-0.32 $M_{\theta\phi}$-0.92 $M_{\phi r}$0.45 NP1:ϕ_s5.49000°,δ51.63000°,λ68.02000°. NP2:ϕ_s218.51000°,δ43.36000°,λ115.30000°. Principal axes: T 1.9526,Plg72.0000° ,Azm215.0000°; N 0.3024,Plg17.0000°,Azm20.0000°; P -2.2551,Plg4.0000°,Azm111.0000° $M_0$2.10000×10^{17}
ISC Event type ke. Hypocentre not reviewed by the ISC.

(308) Northern India
ISC II 06 17 03 05.8–.42 30.58N–.02 79.08E–.02 15–2 5.6b,4.9s 1482 1-154
BGR II 06 17 03 00.8 29.37N 79.32E 19–0 5.7b,4.8s ¶610198067
DMN II 06 17 03 05.3–.16 30.88N 78.98E 10 5.9L,4.8s
MOS II 06 17 03 05.3–.93 30.65N 79.12E 22 5.8b,4.9s
BJI II 06 17 03 06.3–.00 30.81N 79.43E 10 5.5b,5.3b
NEIC II 06 17 03 06.5–1.4 30.65N–.08 79.17E–.08 16–3 5.6b,5.1
IDC II 06 17 03 06.6–2.1 30.53N 79.10E 20–12 5.2,5.1b
NDI II 06 17 03 07.1–3.3 30.46N 79.10E 5 5.6b,5.2L
GCMT II 06 17 03 10.5–.20 30.41N–.01 78.85E–.01 21–0 5.3W,5.2L
ISC Event type ke. Moment Tensor Solution. NP1:ϕ_s95.61785°,δ73.25269°,λ50.47541°. NP2: ϕ_s346.36609°,δ42.38477°,λ154.69371°. Principal axes: T Plg46.5560°,Azm324.7421° ; N Plg37.5473°,Azm108.9912°; P Plg18.5746°,Azm213.9602°
ISC Event type ke. Hypocentre not reviewed by the ISC.
DMN Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}4.16 $M_{\theta\theta}$-4.79 $M_{\phi\phi}$0.63 $M_{r\theta}$2.39 $M_{\theta\phi}$1.15 $M_{\phi r}$-0.62 NP1:ϕ_s103.25000°,δ59.13000°,λ92.05000°. NP2:ϕ_s279.27000°,δ30.93000° ,λ86.58000°. Principal axes: T 4.7836,Plg76.0000°,Azm19.0000°; N 0.8620,Plg2.0000° ,Azm282.0000°; P -5.6456,Plg14.0000°,Azm192.0000° $M_0$5.27000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s92,c115; s132,c212;Duration: 1^{s}1 Moment tensor: Scale 10^{17}Nm; M_{rr}0.78±.02 $M_{\theta\theta}$-0.75±.02; $M_{\phi\phi}$-0.03±.02; $M_{r\theta}$0.82±.04; $M_{\theta\phi}$0.27±.01; $M_{\phi r}$-0.14±.03; Best double couple: NP1:ϕ_s102.00000°,δ68.00000°,λ85.00000°. NP2:ϕ_s295.00000°,δ23.00000°,λ102.00000°. Principal axes: T 1.1380,Plg67.0000° ,Azm3.0000°; N 0.0450,Plg5.0000°,Azm104.0000°; P -1.1840,Plg23.0000°,Azm196.0000° $M_0$1.16100×10^{17}

(691) Pacific-Antarctic Ridge
ISC II 06 18 23 22.0–.61 57.02S–.06 150.67W–.05 6–3 5.5b,4.4s 623 25-177
IDC II 06 18 23 21.3–.38 56.91S 150.82W 0 5.0,5.0b ¶610198071
MOS II 06 18 23 21.8–.97 57.04S 150.56W 10 5.4b,5.0b
NEIC II 06 18 23 23.0–2.4 57.05S–.10 150.6W–.20 10–1 5.6b,5.3
BJI II 06 18 23 22.0–.00 57.00S 150.60W 10 5.7b,5.5s
GCMT II 06 18 23 27.0–.10 56.98S–.01 150.81W–.01 18–0 5.3W,5.5s
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.76 $M_{\theta\theta}$0.11 $M_{\phi\phi}$0.65 $M_{r\theta}$0.41 $M_{\theta\phi}$-0.46 $M_{\phi r}$0.52 NP1:ϕ_s304.80000°,δ43.41000°,λ-136.11000°. NP2:ϕ_s179.85000°,δ61.54000° ,λ-55.71000°. Principal axes: T 0.9610,Plg10.0000°,Azm246.0000°; N 0.1986,Plg30.0000° ,Azm342.0000°; P -1.1597,Plg58.0000°,Azm139.0000° $M_0$1.07000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s107,c163; s119,c203;Duration: 1^{s}2 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.24±.03 $M_{\theta\theta}$0.11±.02; $M_{\phi\phi}$1.13±.02; $M_{r\theta}$0.04±.05; $M_{\theta\phi}$-0.47±.01; $M_{\phi r}$0.34±.04; Best double couple: NP1:ϕ_s166.00000°,δ52.00000°,λ-81.00000°. NP2:ϕ_s331.00000°,δ39.00000°,λ-101.00000°. Principal axes: T 1.3510,Plg7.0000° ,Azm249.0000°; N -0.0550,Plg7.0000°,Azm340.0000°; P -1.2940,Plg80.0000° ,Azm117.0000° $M_0$1.32300×10^{17}

(270) Ceram Sea
ISC II 07 02 47 38.4–1.1 2.95S–.07 128.11E–.05 38 13 1-64
DJA II 07 02 47 37.1–.60 3S–5.0 128E–3.0 13–7 5.7b,5.2 ¶610415006
IDC II 07 02 47 43.2–4.7 2.99S 128.39E 92–49 3.7,3.3b
ISC Event type ke.
IDC Error ellipse: s-maj=41.6km s-min=18.1km az=74.0.

(282) South of Jawa
ISC II 07 08 47 31.1–.48 9.65S–.07 107.19E–.07 22 4.4b,3.7s 75 2-152
DJA II 07 08 47 28.9–.40 10S–3.0 107E–3.0 11–3 5.8b,5.4 ¶610198742
IDC II 07 08 47 28.2–.75 9.51S 107.16E 0 4.4L,4.2
NEIC II 07 08 47 33.6–1.5 9.71S–.10 107.20E–.08 41–9 4.6b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(354) Southwestern Pakistan
ISC II 07 22 03 55.7–.21 25.10N–.02 63.25E–.02 29–1 6.4s,5.9b 2499 2-152
TEH II 07 22 03 50.3 25.21N 63.25E 10 6.1L,5.9b ¶615345541
IDC II 07 22 03 51.7–.39 25.11N 63.32E 0 6.2s,5.5
BJI II 07 22 03 52.3–.00 25.07N 63.28E 10 6.5s,6.3
MOS II 07 22 03 52.9–.98 25.19N 63.25E 21 6.1b,6.1s
BGR II 07 22 03 56.1 24.50N 62.50E 29–1 5.9b,5.8s
OMAN II 07 22 03 56.5–.06 24.96N 63.05E 36–0 6.8b,6.5
NEIC II 07 22 03 56.4–1.5 25.19N–.07 63.26E–.08 29–3 6.4,6.3
GCMT II 07 22 03 58.7–.10 25.01N–.01 63.25E–.01 14 6.4W,6.3
SGS II 07 22 03 59.2 25.43N 63.07E 51 7.2L,6.3
NEIC II 07 22 04 01 24.91N 63.24E 22 7.2L,6.3
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s86.33369°,δ76.49139°,λ88.79784°. NP2: ϕ_s271.46710°,δ13.56100°,λ94.99103°. Principal axes: T Plg58.4920°,Azm354.7071° ; N Plg1.1689°,Azm86.6145°; P Plg31.4812°,Azm177.3304°
TEH Error ellipse: s-maj=0.4km s-min=0.6km az=-1.0.
IDC Error ellipse: s-maj=11.5km s-min=9.1km az=171.0.
MOS Error ellipse: s-maj=4.3km s-min=2.6km az=118.3.
ISC Event type ke. Hypocentre not reviewed by the ISC.
OMAN Error ellipse: s-maj=0.9km s-min=0.8km az=20.0.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=9.3km az=123.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}0.35 $M_{\theta\theta}$-0.73 $M_{\phi\phi}$0.37 $M_{r\theta}$2.81 $M_{\theta\phi}$-0.29 $M_{\phi r}$-0.14 NP1:ϕ_s93.43000°,δ84.80000°,λ97.02000°. NP2:ϕ_s219.77000°,δ8.73000° ,λ36.66000°. Principal axes: T 2.7097,Plg50.0000°,Azm11.0000°; N 0.3426,Plg7.0000° ,Azm273.0000°; P -3.0523,Plg39.0000°,Azm177.0000° $M_0$2.90000×10^{18}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s165,c380; s151,c256; Duration: 4^{s}3 Moment tensor: Scale 10^{18}Nm; M_{rr}1.03±.02 $M_{\theta\theta}$-0.70±.02; $M_{\phi\phi}$-0.32±.01; $M_{r\theta}$4.32±.03; $M_{\theta\phi}$-0.18±.01; $M_{\phi r}$-0.42±.03; Best double couple: NP1:ϕ_s95.00000°,δ84.00000° ,λ93.00000°. NP2:ϕ_s249.00000°,δ6.00000°,λ64.00000°. Principal axes: T 4.6100,Plg50.0000°,Azm8.0000°; N -0.3610,Plg3.0000°,Azm275.0000° ; P -4.2440,Plg39.0000°,Azm182.0000° $M_0$4.42700×10^{18}
NEIC Event type se. Moment Tensor Solution.Duration: 14^{s}0 Moment tensor: Scale 10^{18}Nm; M_{rr}0.37 $M_{\theta\theta}$-0.41 $M_{\phi\phi}$0.04 $M_{r\theta}$3.51 $M_{\theta\phi}$0.03 $M_{\phi r}$-0.14 NP1:ϕ_s276.00000°,δ3.00000° ,λ94.00000°. NP2:ϕ_s92.00000°,δ87.00000°,λ90.00000°. Principal axes: T 3.5140,Plg48.0000°,Azm2.0000°; N 0.0412,Plg0.0000°,Azm92.0000° ; P -3.5552,Plg42.0000°,Azm182.0000° $M_0$3.53000×10^{18}

(197) Near north coast of Irian Jaya
ISC II 08 10 51 28.3–.31 2.77S–.04 139.21E–.04 35 4.8b,4.3s 217 1-147
IDC II 08 10 51 22.7–.50 2.67S 139.21E 0 4.6L,4.5 ¶610199145
DJA II 08 10 51 25.8–.60 3S–3.0 139E–2.0 16–6 5.5b,5.4
BJI II 08 10 51 26.4–.00 2.82S 138.67E 15 5.1b,5.1s
GCMT II 08 10 51 28.9–.30 2.58S–.01 139.34E–.02 25–1 5.0W,5.1s
NEIC II 08 10 51 29.9–1.9 2.83S–.08 139.09E–.05 46–7 4.9b,5.1s
ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s23,c29; s74,c97;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.83±.18 $M_{\theta\theta}$0.90±.13; $M_{\phi\phi}$-1.73±.16; $M_{r\theta}$-1.67±.32; $M_{\theta\phi}$3.10±.10; $M_{\phi r}$0.22±.29; Best double couple: NP1:ϕ_s284.00000°,δ81.00000°,λ29.00000°. NP2:ϕ_s190.00000°,δ62.00000°,λ170.00000°. Principal axes: T 3.5770,Plg26.0000° ,Azm151.0000°; N 0.4650,Plg60.0000°,Azm300.0000°; P -4.0460,Plg13.0000°,Azm54.0000° $M_0$3.81100×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(356) Off coast of Pakistan
ISC II 08 11 02 37.1–.40 25.01N–.03 63.27E–.03 16–2 5.1b,4.9s 934 2-153
TEH II 08 11 02 31.1 24.94N 63.57E 10 5.4L,4.9s ¶610199146
IDC II 08 11 02 35.1–.46 25.02N 63.41E 0 4.8s,4.8
MOS II 08 11 02 35.3–.91 25.13N 63.37E 11 5.2b,4.9s
BJI II 08 11 02 35.7–.00 25.08N 63.52E 8 5.3b,5.2s
NEIC II 08 11 02 37.5–1.6 25.14N–.07 63.31E–.07 10–1 5.2b,5.2s
GCMT II 08 11 02 38.5–.20 24.79N–.01 63.25E–.01 23–0 5.3W,5.2s
OMAN II 08 11 02 46.9–.99 24.74N 62.60E 20 6.5b,5.2
ISC Event type se.
TEH Error ellipse: s-maj=0.4km s-min=0.7km az=-1.0.
IDC Error ellipse: s-maj=11.6km s-min=9.0km az=177.0.
MOS Error ellipse: s-maj=4.8km s-min=3.0km az=108.9.
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=8.8km az=31.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s82,c118; s107,c156;Duration: 1^{s}0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.67±.02 $M_{\theta\theta}$-0.47±.02; $M_{\phi\phi}$-0.20±.01; $M_{r\theta}$0.76±.04; $M_{\theta\phi}$0.17±.01; $M_{\phi r}$-0.21±.03; Best double couple: NP1:ϕ_s108.00000°,δ71.00000°,λ86.00000°. NP2:ϕ_s300.00000°,δ19.00000°,λ101.00000°. Principal axes: T 1.0570,Plg64.0000° ,Azm12.0000°; N -0.1280,Plg4.0000°,Azm109.0000°; P -0.9300,Plg26.0000°,Azm201.0000° $M_0$0.99400×10^{17}
OMAN Error ellipse: s-maj=9.4km s-min=4.4km az=101.0.

(201) Irian Jaya
ISC II 08 12 00 00.5–.44 4.59S–.05 138.97E–.05 44 4.4b 82 2-146
IDC II 08 11 59 55.2–.73 4.29S 139.08E 0 4.4,4.2b ¶610415118
NEIC II 08 11 59 59.8–1.6 4.57S–.05 139.02E–.05 35–2 4.4b,4.2b
DJA II 08 12 00 01.4–.30 4S–3.0 139E–3.0 123–7 5.6b,5.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(221) Kuril Islands
ISC II 08 14 07 31.5–.43 45.19N–.04 150.14E–.04 58–3 4.5b,3.8s 377 2-151
JMA II 08 14 07 30.7–.76 45N–3.0 150E–5.0 30 4.7,3.8s ¶610205570
NIED II 08 14 07 30.7 45.39N 150.13E 30 4.3W,3.8s
SKHL II 08 14 07 31.8–.50 45.20N 150.20E 76–4 5.6b,3.8s
MOS II 08 14 07 31.0–.86 45.28N 150.10E 66 4.8b,3.8s
IDC II 08 14 07 31.9–.56 45.43N 149.93E 52–4 4.1,3.9b
NEIC II 08 14 07 32.4–1.5 45.2N–.10 150.1E–.10 58–6 4.6b,3.9b
ISC Event type ke.
JMA Event type ke. KURILE ISLANDS REGION .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.26 $M_{\theta\theta}$1.75 $M_{\phi\phi}$-1.49 $M_{r\theta}$-0.84 $M_{\theta\phi}$-0.32 $M_{\phi r}$2.04 NP1:ϕ_s143.00000°,δ86.00000°,λ-52.00000°. NP2:ϕ_s238.00000° ,δ39.00000°,λ-173.00000°. $M_0$2.71000×10^{15}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(200) Near north coast of New Guinea
ISC II 09 02 21 50.3–.47 2.32S–.04 140.91E–.04 26–3 5.2b,4.4s 756 1-160
IDC II 09 02 21 46.3–.38 2.26S 140.93E 0 5.0,5.0L ¶610205758
MOS II 09 02 21 47.5–.85 2.28S 140.90E 19 5.4b,5.0L
BJI II 09 02 21 47.7–.00 2.35S 141.17E 32 5.5b,5.1b
NEIC II 09 02 21 49.6–1.8 2.25S–.07 140.89E–.07 18–3 5.3b,5.1b
GCMT II 09 02 21 50.6–.10 2.23S–.01 140.90E–.01 16–0 5.3W,5.1b
DJA II 09 02 21 52.7–.40 2S–3.0 141E–2.0 41–3 5.6b,5.3
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s310.56552°,δ54.63191°,λ-90.28594°. NP2: ϕ_s131.05953°,δ35.36910°,λ-89.59718°. Principal axes: T Plg9.6315°,Azm40.7706° ; N Plg0.2332°,Azm310.7310°; P Plg80.3656°,Azm219.3573°
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s122,c184; s146,c263;Duration: 1^{s}1 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.10±.02 $M_{\theta\theta}$1.00±.01; $M_{\phi\phi}$0.09±.01; $M_{r\theta}$0.38±.04; $M_{\theta\phi}$-0.31±.01; $M_{\phi r}$0.04±.04; Best double couple: NP1:ϕ_s280.00000°,δ54.00000°,λ-99.00000°. NP2:ϕ_s114.00000°,δ36.00000°,λ-78.00000°. Principal axes: T 1.1520,Plg9.0000° ,Azm16.0000°; N 0.0200,Plg7.0000°,Azm285.0000°; P -1.1750,Plg79.0000°,Azm158.0000° $M_0$1.16300×10^{17}

(353) Southern Iran
ISC II 09 16 56 37.1–.66 28.39N–.04 54.06E–.03 24 3.6b 78 0-89
IDC II 09 16 56 33.6–1.6 28.42N 53.90E 0 3.6,3.6L ¶610415184
TEH II 09 16 56 37.5 28.35N 54.05E 21–34 3.2L,3.6L
OMAN II 09 16 56 38.6–.07 28.23N 54.08E 14 5.6b,3.2L
ISC Event type ke.
IDC Error ellipse: s-maj=33.1km s-min=27.7km az=7.0.
TEH Error ellipse: s-maj=0.9km s-min=1.6km az=-1.0.
OMAN Error ellipse: s-maj=1.7km s-min=1.4km az=32.0.

(691) Pacific-Antarctic Ridge
ISC II 09 19 10 10.9–.33 57.05S–.08 150.65W–.07 10 5.2b,3.8s 158 26-174
IDC II 09 19 10 09.2–.41 56.85S 150.71W 0 4.7b,4.6 ¶610206167
NEIC II 09 19 10 10.7–2.0 57.0S–.20 150.7W–.20 10–1 5.2b,4.6
BJI II 09 19 10 11.0–.00 57.20S 150.80W 20 5.5b,4.6
GCMT II 09 19 10 16.7–.20 57.03S–.02 150.74W–.03 19–0 5.1W,4.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s59,c75; s93,c129;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-4.21±.20 $M_{\theta\theta}$1.59±.16; $M_{\phi\phi}$2.63±.14; $M_{r\theta}$-1.59±.34; $M_{\theta\phi}$-2.88±.09; $M_{\phi r}$0.40±.27; Best double couple: NP1:ϕ_s127.00000°,δ55.00000°,λ-107.00000°. NP2:ϕ_s334.00000°,δ39.00000°,λ-68.00000°. Principal axes: T 5.2270,Plg8.0000° ,Azm229.0000°; N -0.5820,Plg14.0000°,Azm137.0000°; P -4.6350,Plg74.0000° ,Azm349.0000° $M_0$4.93100×10^{16}

(173) Tonga Islands
ISC II 10 07 18 24.2–.26 21.33S–.05 175.19W–.05 39–3 5.2b,3.9s 731 5-171
NOU II 10 07 18 15.5 21.43S 173.76W 53 5.5b,3.9s ¶610207664
MOS II 10 07 18 20.1–1.1 21.13S 175.31W 16 5.4b,3.9s
NEIC II 10 07 18 21.2–1.3 21.3S–.10 175.21W–.07 10–1 5.3b,3.9s
BGR II 10 07 18 25.7 20.93S 175.28W 86–1 5.3b,3.9s
IDC II 10 07 18 25.6–1.8 21.18S 175.36W 47–16 5.3L,5.0
GCMT II 10 07 18 32.2–.20 21.22S–.02 174.74W–.01 12 5.3W,5.0
ISC Event type se.
NOU Tonga Islands.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC Event type ke. Hypocentre not reviewed by the ISC.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s55,c66; s104,c140;Duration: 1^{s}1 Moment tensor: Scale 10^{17}Nm; M_{rr}0.01±.01 $M_{\theta\theta}$-0.01±.01; $M_{\phi\phi}$0.00±.01; $M_{r\theta}$0.21±.03; $M_{\theta\phi}$0.11±.01; $M_{\phi r}$-1.16±.02; Best double couple: NP1:ϕ_s170.00000°,δ89.00000°,λ95.00000°. NP2:ϕ_s266.00000°,δ5.00000°,λ6.00000°. Principal axes: T 1.1670,Plg45.0000°,Azm85.0000° ; N 0.0340,Plg5.0000°,Azm350.0000°; P -1.2010,Plg44.0000°,Azm255.0000° $M_0$1.18400×10^{17}

(259) Mindanao
ISC II 10 14 03 43.1–.24 9.84N–.02 125.45E–.02 15–1 6.4s,6.0b 1979 0-178
IDC II 10 14 03 40.5–.29 9.96N 125.34E 0 6.2s,5.4 ¶610208008
BJI II 10 14 03 41.0–.00 9.85N 125.40E 10 6.5s,6.4
MOS II 10 14 03 41.2–1.0 9.94N 125.41E 14 6.3s,6.2b
MAN II 10 14 03 42.0 9.90N 125.39E 9 6.7b,6.7s
NEIC II 10 14 03 43.9–1.9 9.91N–.06 125.45E–.04 15–1 6.5,6.4
DJA II 10 14 03 45.9–.80 10N–2.0 126E–2.0 29–6 7.0,6.6b
GCMT II 10 14 03 46.9–.00 9.85N 125.49E 12 6.5W,6.6b
NEIC II 10 14 03 50 9.80N 125.56E 20 6.5W,6.6b

KLM II 10 14 03 50 9.76N 125.76E 81 6.1b,6.6b
BGR II 10 14 03 51.0 9.88N 125.50E 14 6.6s,5.2b
ISC Event type fe.
IDC Error ellipse: s-maj=12.4km s-min=6.9km az=81.0.
MOS Error ellipse: s-maj=6.2km s-min=3.6km az=113.7.
MAN Event type fe. INTENSITY VII - SURIGAO CITY; INTENSITY VI- MALIMONO & SAN FRANCISCO SURIGAO DEL NORTE; PINTUYAN SOUTHERN LEYTE;; INTENSITY V- MAINIT & PLACER SURIGAO DEL NORTE; LIBJO & SAN JOSE DINAGAT ISLAND; MANDAUE CITY SAN RICARDO LIMASAWA & SAN FRANCISCO SOUTHERN LEYTE;; INTENSITY IV- HINUNANGAN & SAN JUAN SOUTHERN LEYTE;ABUYOG LEYTE;MAYORGA LEYTE BUTUAN CITY; CABADBARAN AGUSAN DEL NORTE; INTENSITY III- MAMBAJAO CAMIGUIN;ORMOC CITY; PALO PASTRANA TOLOSA & TACLOBAN LEYTE; CATBALOGAN CITYW.SAMAR ; BISLIG CITY GINGOOG CITY MISAMIS ORIENTAL; DAPA SURIGAO DEL NORTE; ILIGAN CITY; CAGAYAN DE ORO CITY; INTENSITY II- CEBU CITY; TALOCOGON AGUSAN DEL SUR; DUMAGUETE CITY; TAGBILARAN CITY BOHOL; CAPOOCAN LEYTE; EL SALVADOR MISAMIS ORIENTAL; OROQUIETA CITY AND PLARIDEL MISAMIS OCCIDENTAL.
NEIC Event type se. Error ellipse: s-maj=11.0km s-min=5.7km az=29.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}0.17 $M_{\theta\theta}$2.29 $M_{\phi\phi}$-2.46 $M_{r\theta}$-0.28 $M_{\theta\phi}$-3.69 $M_{\phi r}$-0.81 NP1:ϕ_s343.21000°,δ84.41000°,λ-8.52000°. NP2:ϕ_s74.05000°,δ81.52000°,λ-174.34000°. Principal axes: T 4.3125,Plg2.0000°,Azm29.0000°; N 0.3123,Plg80.0000°,Azm130.0000°; P -4.6248,Plg10.0000°,Azm298.0000° $M_0$4.48000$\times10^{18}$
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s171,c403; s171,c728; Duration: 4^{s}2 Moment tensor: Scale 10^{18}Nm; M_{rr}0.06±.02 $M_{\theta\theta}$3.95±.02; $M_{\phi\phi}$-4.00±.03; $M_{r\theta}$-1.24±.06; $M_{\theta\phi}$-4.26±.02; $M_{\phi r}$-2.14±.06; Best double couple: NP1:ϕ_s70.00000°,δ78.00000°,λ-163.00000°. NP2:ϕ_s337.00000°,δ74.00000°,λ-12.00000°. Principal axes: T 5.8170,Plg3.0000°,Azm203.0000°; N 0.9280,Plg70.0000°,Azm104.0000°; P -6.7410,Plg20.0000°,Azm294.0000° $M_0$6.27900$\times10^{18}$
NEIC Event type se. Moment Tensor Solution.Duration: 10^{s}0 Moment tensor: Scale 10^{18}Nm; M_{rr}0.23 $M_{\theta\theta}$4.30 $M_{\phi\phi}$-4.54 $M_{r\theta}$1.63 $M_{\theta\phi}$-3.67 $M_{\phi r}$-0.27 NP1:ϕ_s156.00000°,δ77.00000°,λ9.00000°. NP2:ϕ_s64.00000°,δ81.00000°,λ167.00000°. Principal axes: T 6.0781,Plg16.0000°,Azm19.0000°; N -0.2051,Plg74.0000°,Azm210.0000°; P -5.8731,Plg3.0000°,Azm110.0000° $M_0$5.98000$\times10^{18}$
ISC Event type ke. Hypocentre not reviewed by the ISC.

(678) Queen Elizabeth Islands

ISC II 10 15 01 48.5–.23 74.24N–.03 92.77W–.03 10 5.2b,5.1s 988 1-164
DNK II 10 15 01 47.4–4.7 74.90N 93.70W 18 4.7s,3.8L **¶611831777**
NEIC II 10 15 01 49.6–2.4 74.30N–.05 92.3W–.20 16–4 5.3,5.2b
OTT II 10 15 01 49.3–.15 74.29N 92.17W 18 5.4,5.2b
MOS II 10 15 01 49.0–1.1 74.37N 92.38W 18 5.2b,4.9s
IDC II 10 15 01 49.4–2.1 74.40N 92.16W 12–13 5.7L,4.7
BJI II 10 15 01 50.0–.00 74.40N 92.60W 29 5.8b,5.7s
BGR II 10 15 01 51.4 74.35N 92.19W 10 4.3b,5.7s
ISC Event type ke.
DNK Error ellipse: s-maj=35.8km s-min=117.3km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=5.9km az=205.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
OTT Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. 92km southeast from Resolute, Nu. Felt Felt near Resolute, Nu.
MOS Error ellipse: s-maj=18.4km s-min=4.4km az=85.8.
IDC Error ellipse: s-maj=9.3km s-min=8.1km az=126.0.
ISC Event type ke. Hypocentre not reviewed by the ISC.

(244) Taiwan

ISC II 10 17 12 53.4–.35 22.82N–.01 120.15E–.02 16–2 5.5b,5.0s 1583 0-176
IDC II 10 17 12 48.8–.33 22.73N 120.10E 0 5.0,5.0b **¶614447071**
MOS II 10 17 12 50.9–.87 22.77N 120.24E 12 5.7b,5.1s
ASIES II 10 17 12 52.6 22.87N 120.14E 16 5.7L,5.2W
TAP II 10 17 12 52.6 22.87N 120.14E 16–0 5.7L,5.2W
JMA II 10 17 12 52.2–.19 22.8N–.70 120.2E–.80 8 5.7,5.5
NEIC II 10 17 12 53.4–1.4 22.83N–.06 120.22E–.06 16–3 5.5b,5.3
GCMT II 10 17 12 53.4–.20 22.81N–.02 120.11E–.01 12 5.3W,5.3
BJI II 10 17 12 54.0–.00 22.85N 120.12E 20 5.7L,5.6s
BGR II 10 17 12 55.1 22.82N 120.17E 10 5.0b,5.6s
NEIC II 10 17 12 55 22.81N 120.12E 16 5.0b,5.6s
ISC Event type ke.
IDC Error ellipse: s-maj=12.4km s-min=8.5km az=64.0.
MOS Error ellipse: s-maj=5.9km s-min=3.5km az=117.4.
ASIES Moment Tensor Solution. Moment tensor: Scale 10^{23}Nm; M_{rr}-7.71 $M_{\theta\theta}$-4.37 $M_{\phi\phi}$6.56 $M_{r\theta}$4.71 $M_{\theta\phi}$1.30 $M_{\phi r}$-0.38 NP1:ϕ_s217.00000°,δ55.62000°,λ-45.04000°. NP2:ϕ_s336.49000°,δ54.27000°,λ-135.92000°. Principal axes: T Plg0.7800°,Azm277.0210°; N Plg35.6730°,Azm7.5810°; P Plg54.3160°,Azm185.9360° $M_0$9.20579$\times10^{23}$
TAP B.
JMA Event type ke. TAIWAN REGION .
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=6.9km az=149.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s40,c46; s122,c205;Duration: 1^{s}1 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.80±.03 $M_{\theta\theta}$-0.47±.02; $M_{\phi\phi}$1.27±.02; $M_{r\theta}$0.63±.10; $M_{\theta\phi}$0.02±.02; $M_{\phi r}$0.17±.07; Best double couple: NP1:ϕ_s212.00000°,δ61.00000°,λ-46.00000°. NP2:ϕ_s329.00000°,δ51.00000°,λ-141.00000°. Principal axes: T 1.2880,Plg6.0000°,Azm273.0000°; N 0.0040,Plg37.0000°,Azm7.0000°; P -1.2920,Plg52.0000°,Azm175.0000° $M_0$1.29000$\times10^{17}$
ISC Event type ke. Hypocentre not reviewed by the ISC.
NEIC Event type se. Moment Tensor Solution.Duration: 6^{s}0 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.04 $M_{\theta\theta}$-0.26 $M_{\phi\phi}$1.30 $M_{r\theta}$0.13 $M_{\theta\phi}$0.24 $M_{\phi r}$-0.13 NP1:ϕ_s199.00000°,δ43.00000°,λ-74.00000°. NP2:ϕ_s358.00000°,δ49.00000°,λ-104.00000°. Principal axes: T 1.3433,Plg3.0000°,Azm98.0000°; N -0.2676,Plg11.0000°,Azm8.0000°; P -1.0757,Plg79.0000°,Azm203.0000° $M_0$1.23000$\times10^{17}$

(228) Near east coast of eastern Honshu

ISC II 10 21 05 29.0–.40 37.27N–.03 141.66E–.03 30–2 5.4b,4.9s 1566 1-157
IDC II 10 21 05 24.2–.39 37.20N 141.62E 0 5.1,5.1b **¶614130796**
MOS II 10 21 05 25.9–.83 37.39N 141.56E 15 5.5b,5.2s
JMA II 10 21 05 26.8–.20 37.2N–.50 142E–1.0 41–2 5.4,5.2W
NIED II 10 21 05 26.8 37.18N 141.72E 41 5.2W,5.2W
NEIC II 10 21 05 26.6–1.2 37.28N–.04 141.70E–.06 7–2 5.4b,5.2
BJI II 10 21 05 26.0–.00 37.29N 141.75E 33 5.1b,5.1b
GCMT II 10 21 05 29.5–.20 37.25N–.01 141.74E–.01 22–0 5.2W,5.1b
NEIC II 10 21 05 33 37.34N 141.62E 22 5.2W,5.1b
BGR II 10 21 05 33.6 37.56N 141.37E 33 5.1b,5.0s
ISC Event type ke. Moment Tensor Solution. NP1:ϕ_s59.03161°,δ74.00081°,λ-81.65443°. NP2:ϕ_s211.00816°,δ17.99445°,λ-116.84859°. Principal axes: T Plg28.5304°,Azm142.3232°; N Plg8.0201°,Azm236.7162°; P Plg60.1596°,Azm340.9348°
IDC Error ellipse: s-maj=14.1km s-min=9.7km az=91.0.
MOS Error ellipse: s-maj=5.4km s-min=3.2km az=110.1.
JMA Event type fe. E OFF FUKUSHIMA PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}-4.41 $M_{\theta\theta}$2.04 $M_{\phi\phi}$2.37 $M_{r\theta}$-3.36 $M_{\theta\phi}$2.27 $M_{\phi r}$-2.11 NP1:ϕ_s53.00000°,δ66.00000°,λ-82.00000°. NP2:ϕ_s213.00000°,δ25.00000°,λ-108.00000°. $M_0$5.96000$\times10^{16}$
NEIC Event type se. Error ellipse: s-maj=7.3km s-min=4.8km az=61.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-2.02 $M_{\theta\theta}$0.72 $M_{\phi\phi}$1.30 $M_{r\theta}$-3.59 $M_{\theta\phi}$0.79 $M_{\phi r}$-2.26 NP1:ϕ_s203.57000°,δ13.70000°,λ-120.93000°. NP2:ϕ_s55.24000°,δ78.28000°,λ-82.86000°. Principal axes: T 4.4634,Plg33.0000°,Azm139.0000°; N 0.3807,Plg7.0000°,Azm234.0000°; P -4.8440,Plg56.0000°,Azm334.0000° $M_0$4.67000$\times10^{16}$
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s96,c149; s140,c241;Duration: 1^{s}0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.88±.02 $M_{\theta\theta}$0.38±.01; $M_{\phi\phi}$0.49±.01; $M_{r\theta}$-0.44±.02; $M_{\theta\phi}$0.27±.01; $M_{\phi r}$-0.18±.02; Best double couple: NP1:ϕ_s52.00000°,δ60.00000°,λ-80.00000°. NP2:ϕ_s211.00000°,δ32.00000°,λ-107.00000°. Principal axes: T 0.8250,Plg14.0000°,Azm134.0000°; N 0.2010,Plg9.0000°,Azm226.0000°; P -1.0270,Plg73.0000°,Azm348.0000° $M_0$0.92600$\times10^{17}$
NEIC Event type se. Moment Tensor Solution.Duration: 8^{s}0 Moment tensor: Scale 10^{16}Nm; M_{rr}-6.28 $M_{\theta\theta}$2.41 $M_{\phi\phi}$3.87 $M_{r\theta}$-5.58 $M_{\theta\phi}$2.01 $M_{\phi r}$-4.23 NP1:ϕ_s208.00000°,δ21.00000°,λ-108.00000°. NP2:ϕ_s48.00000°,δ70.00000°,λ-83.00000°. Principal axes: T 8.4279,Plg25.0000°,Azm133.0000°; N 1.2524,Plg6.0000°,Azm226.0000°; P -9.6802,Plg64.0000°,Azm329.0000° $M_0$9.12000$\times10^{16}$
ISC Event type ke. Hypocentre not reviewed by the ISC.

(201) Irian Jaya

ISC II 11 04 53 20.5–.36 2.42S–.05 138.50E–.04 32 4.7b,3.8s 115 0-148
DJA II 11 04 53 20.4–.50 2S–4.0 139E–2.0 17–5 5.9b,5.4 **¶610208128**
IDC II 11 04 53 22.0–2.6 2.32S 138.59E 46–25 4.5,4.5L
NEIC II 11 04 53 21.9–2.0 2.5S–.10 138.29E–.10 44–8 4.7b,4.5L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocentre. manual.

(259) Mindanao

ISC II 11 09 11 02.1–.51 9.79N–.03 125.51E–.04 26–3 4.7b,4.2s 206 0-165
MAN II 11 09 10 59.4 9.73N 125.37E 1 5.6b,4.9s **¶615934816**
NEIC II 11 09 11 00.1–1.9 9.85N–.04 125.46E–.08 10–1 4.9b,4.9s
BJI II 11 09 11 01.3–.00 9.70N 125.70E 38 5.0b,4.6s
DJA II 11 09 11 03.1–1.1 10N–4.0 126E–3.0 31–8 5.6,5.5b
GCMT II 11 09 11 04.1–.20 9.85N–.01 125.57E–.02 24–1 5.1W,5.5b
IDC II 11 09 11 07.3–2.1 9.83N 125.45E 71–19 4.4,4.1b
ISC Event type fe.
MAN Event type fe. INTENSITY V - SURIGAO CITY; INTENSITY III - SAN RICARDO SOUTHERN LEYTE; INTENSITY II - GINGOOG CITY.
NEIC Event type se. Error ellipse: s-maj=13.6km s-min=6.4km az=108.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s47,c59; s107,c146;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.59±.19 $M_{\theta\theta}$4.63±.15; $M_{\phi\phi}$-5.22±.19; $M_{r\theta}$-0.24±.20; $M_{\theta\phi}$-1.68±.12; $M_{\phi r}$-0.17±.24; Best double couple: NP1:ϕ_s234.00000°,δ89.00000°,λ177.00000°. NP2:ϕ_s324.00000°,δ87.00000°,λ1.00000°. Principal axes: T 4.9180,Plg3.0000°,Azm189.0000°; N 0.5880,Plg87.0000°,Azm45.0000°; P -5.5060,Plg2.0000°,Azm279.0000° $M_0$5.21200$\times10^{16}$
IDC Error ellipse: s-maj=15.8km s-min=8.9km az=76.0.

(284) South of Bali

ISC II 12 04 25 09.7–.28 9.43S–.05 115.62E–.04 50 4.6b,3.7s 245 1-154
NEIC II 12 04 25 11.4–2.1 9.35S–.06 115.74E–.06 61–3 4.6b,3.7s **¶610208503**
DJA II 12 04 25 11.1–1.0 10S–2.0 116E–1.0 75–2 5.8,5.7
IDC II 12 04 25 12.4–.68 9.15S 115.71E 74–5 4.7,4.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=8.2km az=216.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=15.9km s-min=9.5km az=61.0.

(282) South of Jawa

ISC II 12 06 42 43.4–.56 9.38S–.05 112.12E–.04 40–4 4.8b,3.7s 183 1-154
NEIC II 12 06 42 43.5–1.9 9.30S–.10 112.15E–.05 35–1 4.9b,3.7s **¶610208507**
DJA II 12 06 42 43.9–.60 9S–3.0 112E–1.0 40–23 5.5b,5.0
IDC II 12 06 42 45.4–1.9 9.17S 112.23E 52–16 4.6,4.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.2km s-min=8.7km az=11.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=14.2km s-min=10.1km az=34.0.

(197) Near north coast of Irian Jaya

ISC II 12 09 32 31.3–.35 2.28S–.04 139.06E–.04 46–2 5.0b,4.5s 377 0-151
IDC II 12 09 32 24.7–.48 2.17S 139.27E 0 4.7,4.7b **¶610208511**
MOS II 12 09 32 27.7–.83 2.16S 139.19E 33 5.2b,4.7b
DJA II 12 09 32 29.6–.30 2S–2.0 139E–2.0 38–3 5.7b,5.5
GCMT II 12 09 32 29.7–.20 2.05S–.02 139.11E–.02 20–1 5.1W,5.5
NEIC II 12 09 32 32.7–2.0 2.24S–.09 139.01E–.08 49–5 5.1b,5.5
ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s57,c65; s81,c117;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.31±.17 $M_{\theta\theta}$-0.81±.10; $M_{\phi\phi}$3.12±.14; $M_{r\theta}$-2.32±.31; $M_{\theta\phi}$-0.32±.07; $M_{\phi r}$4.88±.48; Best double couple: NP1:ϕ_s156.00000°,δ78.00000°,λ-102.00000°. NP2:ϕ_s20.00000°,δ17.00000°,λ-47.00000°. Principal axes: T 6.2990,Plg32.0000°,Azm256.0000°; N -0.4250,Plg11.0000°,Azm159.0000°; P -5.8700,Plg56.0000°,Azm51.0000° $M_0$6.08500$\times10^{16}$
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(96) Near north coast of Colombia

ISC II 12 09 32 26.5–.59 12.24N–.03 73.02W–.03 16–3 5.3b,4.7s 1357 1-153
IDC II 12 09 32 24.0–.42 12.11N 73.15W 0 4.8,4.8b **¶610208510**
MOS II 12 09 32 24.6–1.2 12.10N 73.20W 13 5.4b,4.7s
BGR II 12 09 32 26.9 12.22N 72.90W 10 4.4b,4.7s
NEIC II 12 09 32 26.5–2.3 12.29N–.05 72.99W–.06 7–3 5.3b,5.2
RSNC II 12 09 32 28.1–.47 12.28N 73.18W 30–14 5.1W,5.0L
GCMT II 12 09 32 29.5–.10 12.32N–.01 73.13W–.01 27–0 5.3W,5.0L
VAO II 12 09 32 30.9–3.5 11.78N 73.02W 40–17 5.5b,5.0L
NEIC II 12 09 32 30.6 12.27N 72.81W 30 5.5b,5.0L
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s99.02665°,δ76.18023°,λ-139.34047°. NP2:ϕ_s357.43240°,δ50.75030°,λ-17.96632°. Principal axes: T Plg16.1696°,Azm222.9788°; N Plg47.4455°,Azm114.5683°; P Plg38.0459°,Azm326.0941°
IDC Error ellipse: s-maj=14.8km s-min=11.6km az=62.0.
MOS Error ellipse: s-maj=8.7km s-min=5.4km az=110.7.
ISC Event type ke. Hypocentre not reviewed by the ISC.
NEIC Event type se. Error ellipse: s-maj=8.5km s-min=7.8km az=64.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSNC Error ellipse: s-maj=3.2km s-min=1.8km az=-1.0. Moment Tensor Solution. NP1:ϕ_s0.00000°,δ18.00000°,λ-22.00000°.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s86,c127; s126,c207;Duration: 1^{s}0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.39±.01 $M_{\theta\theta}$-0.31±.01; $M_{\phi\phi}$-0.07±.01; $M_{r\theta}$-0.86±.04; $M_{\theta\phi}$-0.28±.01; $M_{\phi r}$-0.14±.02; Best double couple: NP1:ϕ_s259.00000°,δ78.00000°,λ103.00000°. NP2:ϕ_s32.00000°,δ17.00000°,λ45.00000°. Principal axes: T 0.9660,Plg56.0000°,Azm184.0000°; N 0.0220,Plg12.0000°,Azm76.0000°; P -0.9880,Plg32.0000°,Azm338.0000° $M_0$0.97700$\times10^{17}$
VAO Error ellipse: s-maj=19.6km s-min=15.4km az=-1.0.
NEIC Event type se. Moment Tensor Solution.Duration: 2^{s}3 Moment tensor: Scale 10^{16}Nm; M_{rr}4.86 $M_{\theta\theta}$-2.89 $M_{\phi\phi}$-1.97 $M_{r\theta}$-5.92 $M_{\theta\phi}$-3.43 $M_{\phi r}$-0.83 NP1:ϕ_s252.62000°,δ70.35000°,λ109.76000°. NP2:ϕ_s25.73000°,δ27.58000°,λ46.56000°. Principal axes: T 8.1468,Plg60.0000°,Azm191.0000°; N -0.1164,Plg19.0000°,Azm66.0000°; P -8.0304,Plg23.0000°,Azm328.0000° $M_0$8.09000$\times10^{16}$

(365) Aegean Sea

ISC II 12 13 48 15.6–.51 39.53N–.01 26.18E–.02 3–3 5.2b,4.7s 1995 0-163
BGR II 12 13 48 11.1 39.16N 26.28E 33 4.1b,4.7s **¶610208516**
GII II 12 13 48 11.5–.00 39.52N 26.12E 4 4.1b,4.7s
SOF II 12 13 48 12.2 39.39N 26.18E 1 5.1,4.7s
BJI II 12 13 48 13.6–.00 39.28N 25.82E 21 5.4b,5.0s
MOS II 12 13 48 14.6–1.0 39.53N 26.15E 11 5.2b,4.6s
IDC II 12 13 48 14.5–.37 39.54N 26.06E 0 4.7b,4.6s
ISK II 12 13 48 15.2 39.50N 26.12E 13–0 5.2L,4.6s
PDG II 12 13 48 16.0–.58 39.51N 26.14E 13–1 5.2L,4.6s
ATH II 12 13 48 16.6 39.51N 26.14E 12 5.1W,4.6s
NEIC II 12 13 48 16.1–1.1 39.60N–.04 26.09E–.06 6–3 5.3,5.2
DDA II 12 13 48 16.4–.00 39.53N 26.17E 7–1 5.3W,5.2
MED_R II 12 13 48 16.0–.10 39.51N 26.22E 10 5.3W,5.2
THE II 12 13 48 16.3 39.53N 26.14E 8–0 4.9L,5.2
GCMT II 12 13 48 17.1–.10 39.47N–.01 26.14E–.01 12 5.3W,5.2
MCSM II 12 13 48 17.0–.40 40N–5.0 26E–8.0 5–2 5.3b,5.2
TIR II 12 13 48 17.4 39.34N 26.44E 46–97 5.2L,5.2
BEO II 12 13 48 18.1–1.2 39.76N 26.20E 0 5.1L,5.2
NEIC II 12 13 48 20.8 39.50N 26.35E 12 5.1L,5.2
CFUSG II 12 13 48 24.1 40.12N 26.44E 10 4.3b,5.2
BGS II 12 13 48 26.3–2.2 40.63N 25.67E 10 5.5b,5.2
ISC Event type ke.
ISC Event type ke. Hypocentre not reviewed by the ISC.
GII Event type ke.
MOS Error ellipse: s-maj=4.9km s-min=2.6km az=93.5.
IDC Error ellipse: s-maj=7.4km s-min=7.2km az=146.0.
ISK Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.4km s-min=0.7km az=0.0.

ATH Moment Tensor Solution. s11 Moment tensor: M_{rr}-4.76 $M_{\theta\theta}$4.47 $M_{\phi\phi}$0.29 $M_{r\theta}$-1.52 $M_{\theta\phi}$-1.98 $M_{\phi r}$-1.01 NP1:ϕ_s95.00000°,δ53.00000°,λ-111.00000°. NP2:ϕ_s308.00000°,δ42.00000°,λ-64.00000°.
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=6.0km az=221.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-7.30 $M_{\theta\theta}$5.46 $M_{\phi\phi}$1.85 $M_{r\theta}$0.28 $M_{\theta\phi}$-2.83 $M_{\phi r}$-0.19 NP1:ϕ_s118.48000°,δ43.64000°,λ-90.37000°. NP2:ϕ_s299.00000°,δ46.36000°,λ-89.64000°. Principal axes: T 7.0153,Plg1.0000°,Azm29.0000°; N 0.2969,Plg0.0000°,Azm119.0000°; P -7.3122,Plg89.0000°,Azm219.0000° $M_0$7.17000×10^{16}
MED_R Error ellipse: s-maj=2.2km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=40s. Moment Tensor Solution. Body waves: s6,c6; Mantle waves: s28,c50;Duration: 1s5 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.96±.02 $M_{\theta\theta}$0.73±.01; $M_{\phi\phi}$0.23±.01; $M_{r\theta}$-0.15±.06; $M_{\theta\phi}$-0.48±.01; $M_{\phi r}$0.11±.07; Best double couple: NP1:ϕ_s122.00000°,δ50.00000°,λ-89.00000°. NP2:ϕ_s300.00000°,δ40.00000°,λ-91.00000°. Principal axes: T 1.0400,Plg5.0000°,Azm211.0000°; N -0.0600,Plg1.0000°,Azm301.0000°; P -0.9800,Plg85.0000°,Azm41.0000° $M_0$1.01000×10^{17}
THE Event type ke. Error ellipse: s-maj=0.9km s-min=0.3km az=241.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s101,c153; s149,c266;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.97±.01 $M_{\theta\theta}$0.80±.01; $M_{\phi\phi}$0.17±.01; $M_{r\theta}$-0.05±.04; $M_{\theta\phi}$-0.47±.01; $M_{\phi r}$-0.12±.04; Best double couple: NP1:ϕ_s306.00000°,δ46.00000°,λ-79.00000°. NP2:ϕ_s110.00000°,δ45.00000°,λ-102.00000°. Principal axes: T 1.0540,Plg0.0000°,Azm28.0000°; N -0.0640,Plg8.0000°,Azm118.0000°; P -0.9910,Plg82.0000°,Azm297.0000° $M_0$1.02300×10^{17}
BEO Event type ke.
NEIC Event type se. Moment Tensor Solution.Duration: 2s1 Moment tensor: Scale 10^{16}Nm; M_{rr}-8.58 $M_{\theta\theta}$7.28 $M_{\phi\phi}$1.30 $M_{r\theta}$-2.61 $M_{\theta\phi}$-3.72 $M_{\phi r}$-3.12 NP1:ϕ_s94.69000°,δ52.36000°,λ-118.05000°. NP2:ϕ_s315.79000°,δ45.67000°,λ-58.63000°. Principal axes: T 9.1294,Plg4.0000°,Azm204.0000°; N 1.1002,Plg22.0000°,Azm113.0000°; P -10.2296,Plg68.0000°,Azm303.0000° $M_0$9.68000×10^{16}
CFUSG Western Turkey. Magtype MSH 3.5 from 5 stations.
BGS Error ellipse: s-maj=219.6km s-min=142.5km az=-1.0.

(259) Mindanao

ISC	**II**	**13 19 14 43.9–.80**	**9.71N–.03**	**125.53E–.04**	**14–5**	**4.4b,3.4s**	**117**	**0-146**
MAN	II	13 19 14 43.6	9.77N	125.49E	17	4.9b,3.8L		**¶610415466**
BJI	II	13 19 14 43.9–.00	9.83N	125.45E	16	4.9b,4.4b		
NEIC	II	13 19 14 45.2–1.9	9.72N–.04	125.65E–.07	24–6	4.7b,4.4b		
IDC	II	13 19 14 49.3–2.2	9.76N	125.49E	58–22	4.2L,4.1		
DJA	II	13 19 14 50.3–1.2	10N–7.0	126E–6.0	50–12	5.5b,5.0		

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

(259) Mindanao

ISC	**II**	**13 20 04 00.8–.55**	**9.77N–.03**	**125.39E–.04**	**29–3**	**4.8b,4.0s**	**497**	**0-147**
MOS	II	13 20 03 56.6–.94	9.81N	125.46E	14	4.9b,4.0s		**¶610208909**
NEIC	II	13 20 03 58.4–1.9	9.84N–.06	125.46E–.08	10–1	5.0b,4.0s		
MAN	II	13 20 03 59.7	9.69N	125.38E	23	5.6b,5.0s		
BJI	II	13 20 04 00.1–.00	9.75N	125.60E	47	4.9b,4.6b		
GCMT	II	13 20 04 01.4–.30	9.83N–.02	125.57E–.02	24–1	4.9W,4.6b		
DJA	II	13 20 04 01.2–1.1	10N–4.0	126E–3.0	30–9	5.5,5.4b		
IDC	II	13 20 04 04.9–1.7	9.82N	125.48E	67–17	4.6,4.4b		

ISC Event type fe.
MOS Error ellipse: s-maj=9.5km s-min=5.1km az=102.1.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=9.4km az=61.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN Event type fe. INTENSITY V - SURIGAO CITY; INTENSITY IV - MALIMONO SURIGAO DEL NORTE; SAN JOSE & DINAGAT DINAGAT ISLAND; INTENSITY III - BUTUAN CITY; INTENSITY II - SAN RICARDO & SAN FRANCISCO SOUTHERN LEYTE; GINGOOG CITY.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s17,c18; s76,c106;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.52±.15 $M_{\theta\theta}$1.78±.09; $M_{\phi\phi}$-2.30±.14; $M_{r\theta}$-0.06±.14; $M_{\theta\phi}$-1.62±.08; $M_{\phi r}$-0.36±.15; Best double couple: NP1:ϕ_s334.00000°,δ87.00000°,λ-6.00000°. NP2:ϕ_s64.00000°,δ84.00000°,λ-177.00000°. Principal axes: T 2.3470,Plg2.0000°,Azm19.0000°; N 0.5590,Plg84.0000°,Azm127.0000°; P -2.9040,Plg6.0000°,Azm289.0000° $M_0$2.62500×10^{16}
IDC Error ellipse: s-maj=16.1km s-min=8.8km az=76.0.

(353) Southern Iran

ISC	**II**	**15 15 37 26.8–.46**	**29.60N–.04**	**51.58E–.03**	**22–5**	**4.2b,3.1s**	**292**	**0-95**
IDC	II	15 15 37 23.1–.76	29.53N	51.54E	0	3.9,3.9b		**¶610216922**
DSN	II	15 15 37 23.4–3.7	29.82N	51.49E	10	3.9L,3.9b		
NEIC	II	15 15 37 24.7–1.4	29.62N–.08	51.57E–.05	10–1	4.0b,3.9b		
TEH	II	15 15 37 25.9	29.65N	51.53E	13–20	4.2L,3.9b		
MOS	II	15 15 37 26.5–1.5	29.39N	51.46E	37	4.3b,3.9b		
OMAN	II	15 15 37 30.1–.19	29.40N	51.80E	10	5.7b,3.9b		

ISC Event type se.
IDC Error ellipse: s-maj=17.0km s-min=13.6km az=8.0.
DSN Error ellipse: s-maj=44.1km s-min=11.0km az=173.0.
NEIC Event type se. Error ellipse: s-maj=14.3km s-min=6.8km az=339.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TEH Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
MOS Error ellipse: s-maj=9.5km s-min=6.0km az=115.0.
OMAN Error ellipse: s-maj=3.3km s-min=1.7km az=5.0.

(705) Off west coast of northern Sumatera

ISC	**II**	**15 19 32 40.1–.67**	**4.20N–.08**	**93.02E–.08**	**19**	**4.1b**	**46**	**3-80**
DJA	II	15 19 32 33.9–.40	4N–5.0	93E–4.0	10	5.6b,5.2		**¶610415582**
IDC	II	15 19 32 37.0–1.2	4.13N	92.99E	0	3.8,3.8b		
NEIC	II	15 19 32 39.6–.92	4.18N–.09	92.99E–.08	10–1	4.1b,3.8b		

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

(706) Northern Sumatera

ISC	**II**	**15 19 47 08.2–.33**	**5.14N–.03**	**96.00E–.03**	**23–2**	**5.5b,4.9s**	**1596**	**1-176**
BJI	II	15 19 47 02.5–.00	4.69N	95.76E	20	5.5s,5.4b		**¶611831815**
BGR	II	15 19 47 03.3	4.55N	96.83E	19–1	5.2b,5.4b		
IDC	II	15 19 47 05.0–.32	5.25N	96.00E	0	5.2,5.2b		
MOS	II	15 19 47 04.0–.96	5.14N	95.86E	10	5.6b,4.9s		
NEIC	II	15 19 47 07.4–2.6	5.30N–.06	96.07E–.04	13–1	5.6b,5.4		
KLM	II	15 19 47 08	5.09N	96.11E	12	5.7b,5.4		
GCMT	II	15 19 47 09.4–.10	5.23N–.01	96.16E–.01	14–0	5.4W,5.4		
DJA	II	15 19 47 10.2–.60	5N–2.0	96E–2.0	27–5	5.8,5.7b		
NEIC	II	15 19 47 14.9	5.11N	95.74E	12	5.8,5.7b		

ISC Event type se. Moment Tensor Solution. NP1:ϕ_s87.77294°,δ48.09081°,λ106.74493°. NP2:ϕ_s243.52445°,δ44.54924°,λ72.20327°. Principal axes: T Plg77.4829°,Azm67.8236°; N Plg12.3811°,Azm256.4098°; P Plg1.8111°,Azm166.0121°
ISC Event type ke. Hypocentre not reviewed by the ISC.
IDC Error ellipse: s-maj=10.4km s-min=9.5km az=53.0.
MOS Error ellipse: s-maj=6.8km s-min=3.4km az=117.1.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=6.3km az=189.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.87 $M_{\theta\theta}$-1.34 $M_{\phi\phi}$0.47 $M_{r\theta}$-0.34 $M_{\theta\phi}$0.01 $M_{\phi r}$0.24 NP1:ϕ_s66.79000°,δ41.36000°,λ54.37000°. NP2:ϕ_s290.47000°,δ57.52000°,λ117.15000°. Principal axes: T 1.0216,Plg66.0000°,Azm252.0000°; N 0.3678,Plg23.0000°,Azm95.0000°; P -1.3894,Plg9.0000°,Azm1.0000° $M_0$1.25000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s117,c195; s135,c260;Duration: 1s3 Moment tensor: Scale 10^{17}Nm; M_{rr}1.19±.02 $M_{\theta\theta}$-1.43±.02; $M_{\phi\phi}$0.23±.02; $M_{r\theta}$-1.11±.05; $M_{\theta\phi}$-0.06±.01; $M_{\phi r}$-0.02±.04; Best double couple: NP1:ϕ_s269.00000°,δ65.00000°,λ91.00000°. NP2:ϕ_s87.00000°,δ25.00000°,λ88.00000°. Principal axes: T 1.5970,Plg70.0000°,Azm180.0000°; N 0.2400,Plg1.0000°,Azm88.0000°; P -1.8390,Plg20.0000°,Azm358.0000° $M_0$1.71800×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 2s6 Moment tensor: Scale 10^{17}Nm; M_{rr}0.95 $M_{\theta\theta}$-1.19 $M_{\phi\phi}$0.24 $M_{r\theta}$-0.95 $M_{\theta\phi}$-0.05 $M_{\phi r}$-0.24 NP1:ϕ_s258.31000°,δ66.55000°,λ80.76000°. NP2:ϕ_s100.55000°,δ25.11000°,λ110.31000°. Principal axes: T 1.3504,Plg67.0000°,Azm151.0000°; N 0.2130,Plg8.0000°,Azm262.0000°; P -1.5634,Plg21.0000°,Azm355.0000° $M_0$1.46000×10^{17}

(706) Northern Sumatera

ISC	**II**	**15 19 53 29.4–.62**	**5.16N–.04**	**96.07E–.04**	**25–4**	**5.1s,4.9b**	**387**	**1-161**
MOS	II	15 19 53 24.5–1.1	5.06N	95.86E	10	4.9b,4.9b		**¶610216927**
IDC	II	15 19 53 25.2–.39	5.13N	95.84E	0	4.7L,4.6		
BJI	II	15 19 53 27.7–.00	4.91N	96.10E	30	5.3b,5.1s		
NEIC	II	15 19 53 27.8–3.1	5.25N–.06	96.15E–.06	10–1	5.0b,5.1s		
DJA	II	15 19 53 30.3–.70	5N–3.0	96E–2.0	29–5	5.8b,5.7		
GCMT	II	15 19 53 32.8–.30	5.24N–.02	96.09E–.02	12	5.1W,5.7		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s14,c15; s100,c142;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.77±.14 $M_{\theta\theta}$-2.79±.11; $M_{\phi\phi}$2.02±.12; $M_{r\theta}$-5.28±.35; $M_{\theta\phi}$-1.55±.11; $M_{\phi r}$-2.33±.37; Best double couple: NP1:ϕ_s242.00000°,δ81.00000°,λ80.00000°. NP2:ϕ_s110.00000°,δ13.00000°,λ138.00000°. Principal axes: T 4.9740,Plg53.0000°,Azm140.0000°; N 2.3470,Plg10.0000°,Azm244.0000°; P -7.3230,Plg35.0000°,Azm341.0000° $M_0$6.14900×10^{16}

(353) Southern Iran

ISC	**II**	**16 19 45 45.5–.57**	**28.12N–.03**	**55.72E–.04**	**22**	**3.6b**	**109**	**1-91**
TEH	II	16 19 45 45.7	28.08N	55.71E	24–30	3.8L		**¶610415646**
IDC	II	16 19 45 48.7–2.8	28.01N	55.74E	63–32	3.8,3.7L		
OMAN	II	16 19 45 53.9–.27	27.56N	55.58E	15–3	5.5b,3.4L		

ISC Event type ke.
TEH Error ellipse: s-maj=0.9km s-min=1.3km az=-1.0.
IDC Error ellipse: s-maj=20.8km s-min=16.5km az=61.0.
OMAN Error ellipse: s-maj=6.2km s-min=1.4km az=12.0.

(256) Leyte

ISC	**II**	**17 09 18 26.4–.76**	**9.77N–.02**	**125.39E–.03**	**17–4**	**4.6b,3.6s**	**195**	**0-146**
DJA	II	17 09 18 24.5–.40	10N–3.0	126E–4.0	17–2	5.6,5.5b		**¶610224166**
NEIC	II	17 09 18 26.3–1.6	9.85N–.07	125.42E–.09	10–1	4.7b,5.5b		
MAN	II	17 09 18 26.1	9.71N	125.33E	1	5.4b,4.6s		
BJI	II	17 09 18 28.4–.00	9.88N	125.51E	34	4.8b,4.4b		
IDC	II	17 09 18 35.7–1.6	9.79N	125.36E	95–16	4.4,4.0b		

ISC Event type fe.
NEIC Event type se. Error ellipse: s-maj=15.3km s-min=10.9km az=74.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN Event type fe.
IDC Error ellipse: s-maj=16.4km s-min=9.3km az=73.0.

(197) Near north coast of Irian Jaya

ISC	**II**	**17 11 21 29.4–.39**	**2.47S–.03**	**140.06E–.04**	**24–2**	**5.2b,4.4s**	**913**	**0-160**
BJI	II	17 11 21 25.8–.00	2.77S	140.29E	29	5.1b,5.1b		**¶610224168**
IDC	II	17 11 21 25.8–.38	2.41S	140.11E	0	4.9,4.9b		
MOS	II	17 11 21 26.2–.78	2.44S	140.04E	14	5.3b,4.9b		
NEIC	II	17 11 21 28.9–1.6	2.44S–.07	140.02E–.06	15–1	5.3b,5.1		
DJA	II	17 11 21 28.8–.30	2S–3.0	140E–2.0	17–2	5.5b,5.2b		
GCMT	II	17 11 21 29.9–.10	2.30S–.01	140.24E–.01	15	5.3W,5.2b		

ISC Event type se. Moment Tensor Solution. NP1:ϕ_s318.40732°,δ64.71518°,λ120.42541°. NP2:ϕ_s84.43446°,δ38.76888°,λ43.00805°. Principal axes: T Plg58.5762°,Azm271.7872°; N Plg27.2516°,Azm124.3256°; P Plg14.4359°,Azm26.7062°
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}3.14 $M_{\theta\theta}$-2.13 $M_{\phi\phi}$-1.01 $M_{r\theta}$-0.02 $M_{\theta\phi}$4.00 $M_{\phi r}$3.82 NP1:ϕ_s97.18000°,δ42.21000°,λ30.73000°. NP2:ϕ_s343.41000°,δ69.92000°,λ127.94000°. Principal axes: T 6.0086,Plg50.0000°,Azm296.0000°; N 0.3459,Plg35.0000°,Azm148.0000°; P -6.3545,Plg16.0000°,Azm46.0000° $M_0$6.19000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s76,c101; s120,c184;Duration: 0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.20±.01 $M_{\theta\theta}$-0.04±.01; $M_{\phi\phi}$-0.16±.01; $M_{r\theta}$-0.04±.03; $M_{\theta\phi}$0.49±.01; $M_{\phi r}$0.84±.03; Best double couple: NP1:ϕ_s356.00000°,δ83.00000°,λ118.00000°. NP2:ϕ_s98.00000°,δ29.00000°,λ15.00000°. Principal axes: T 0.9600,Plg45.0000°,Azm294.0000°; N 0.0590,Plg28.0000°,Azm172.0000°; P -1.0180,Plg32.0000°,Azm62.0000° $M_0$0.98900×10^{17}

(353) Southern Iran

ISC	**II**	**17 23 51 24.5–2.9**	**26.33N–.04**	**53.61E–.04**	**8–20**	**3.4b**	**103**	**1-50**
IDC	II	17 23 51 23.2–1.5	26.33N	53.63E	0	3.6,3.5b		**¶610415731**
TEH	II	17 23 51 24.8	26.35N	53.63E	13–46	3.7L,3.5b		
DSN	II	17 23 51 26.1–.84	26.35N	53.58E	15	3.3L,3.5b		
OMAN	II	17 23 51 28.0–.52	26.23N	53.64E	18	5.9b,3.4L		

ISC Event type ke.
IDC Error ellipse: s-maj=31.9km s-min=21.0km az=21.0.
TEH Error ellipse: s-maj=0.9km s-min=1.3km az=-1.0.
DSN Error ellipse: s-maj=13.1km s-min=7.0km az=9.0.
OMAN Error ellipse: s-maj=6.8km s-min=3.0km az=11.0.

(216) Mariana Islands

ISC	**II**	**18 22 22 58.7–.43**	**13.39N–.04**	**145.89E–.05**	**30–2**	**4.9b,4.2s**	**357**	**1-155**
BJI	II	18 22 22 49.8–.00	13.09N	146.26E	10	5.1b,4.7b		**¶610231535**
DJA	II	18 22 22 58.9–1.5	14N–10	146E–12	42–8	5.5b,5.2b		
NEIC	II	18 22 23 00.0–1.2	13.44N–.09	145.89E–.07	37–6	4.9b,5.2b		
IDC	II	18 22 23 01.9–1.5	13.51N	145.74E	52–12	4.5,4.3b		
GCMT	II	18 22 23 02.0–.30	13.36N–.03	145.98E–.03	31–0	5.2W,4.3b		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s26,c29; s86,c126;Duration: 0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.77±.04 $M_{\theta\theta}$-0.18±.03; $M_{\phi\phi}$-0.58±.02; $M_{r\theta}$-0.05±.04; $M_{\theta\phi}$-0.15±.01; $M_{\phi r}$0.26±.03; Best double couple: NP1:ϕ_s10.00000°,δ55.00000°,λ81.00000°. NP2:ϕ_s205.00000°,δ36.00000°,λ102.00000°. Principal axes: T 0.8180,Plg78.0000°,Azm249.0000°; N -0.1460,Plg7.0000°,Azm15.0000°; P -0.6730,Plg9.0000°,Azm106.0000° $M_0$0.74600×10^{17}

(228) Near east coast of eastern Honshu

ISC	**II**	**19 09 19 30.5–.25**	**35.68N–.03**	**140.63E–.03**	**46–1**	**5.5b,4.8s**	**1735**	**0-167**
BJI	II	19 09 19 26.9–.00	35.68N	140.71E	50	5.5b,5.3b		**¶614137695**
MOS	II	19 09 19 28.8–.88	35.63N	140.61E	45	5.8b,4.9s		
NIED	II	19 09 19 29.8	35.73N	140.67E	52	5.4W,4.9s		
JMA	II	19 09 19 29.8–.17	35.7N–.50	140.7E–.60	52–1	5.4W,5.4		
IDC	II	19 09 19 30.3–1.1	35.68N	140.57E	43–10	5.4,5.1b		
NEIC	II	19 09 19 31.1–2.6	35.66N–.05	140.75E–.08	42–1	5.5b,5.4		
GCMT	II	19 09 19 33.1–.10	35.64N–.01	140.74E–.01	45–0	5.5W,5.4		
NEIC	II	19 09 19 36.3	35.66N	140.63E	50	5.5W,5.4		

ISC Event type ke. Moment Tensor Solution. NP1:ϕ_s22.79231°,δ66.67820°,λ109.36620°. NP2:ϕ_s161.19226°,δ29.96425°,λ52.43354°. Principal axes: T Plg63.1933°,Azm324.1200°; N Plg17.7288°,Azm194.8702°; P Plg19.4299°,Azm98.3953°
MOS Error ellipse: s-maj=6.3km s-min=3.7km az=118.3.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{17}Nm; M_{rr}1.22 $M_{\theta\theta}$-0.13 $M_{\phi\phi}$-1.09 $M_{r\theta}$0.17 $M_{\theta\phi}$-0.08 $M_{\phi r}$1.21 NP1:ϕ_s7.00000°,δ68.00000°,λ91.00000°. NP2:ϕ_s183.00000°,δ22.00000°,λ86.00000°. $M_0$1.68000×10^{17}
JMA Event type fe. NEAR CHOSHI CITY .
IDC Error ellipse: s-maj=11.3km s-min=7.6km az=98.0.
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=8.5km az=286.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.47 $M_{\theta\theta}$-0.06 $M_{\phi\phi}$-0.41 $M_{r\theta}$-0.00 $M_{\theta\phi}$-0.18 $M_{\phi r}$1.33 NP1:ϕ_s219.59000°,δ11.70000°,λ127.47000°. NP2:ϕ_s1.54000°,δ80.74000°,λ82.82000°. Principal axes: T 1.4453,Plg54.0000°,Azm263.0000°; N -0.0548,Plg7.0000°,Azm3.0000°; P -1.3905,Plg35.0000°,Azm98.0000° $M_0$1.42000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s114,c204; s142,c271;Duration: 1s4 Moment tensor: Scale 10^{17}Nm; M_{rr}1.84±.03 $M_{\theta\theta}$-0.15±.02; $M_{\phi\phi}$-1.68±.02; $M_{r\theta}$0.03±.02; $M_{\theta\phi}$-0.40±.02; $M_{\phi r}$1.13±.02; Best double couple: NP1:ϕ_s8.00000°,δ61.00000°,λ84.00000°. NP2:ϕ_s200.00000°,δ30.00000°,λ101.00000°. Principal axes: T 2.1740,Plg73.0000°,Azm263.0000°; N -0.0770,Plg5.0000°,Azm11.0000°; P -2.0930,Plg16.0000°,Azm102.0000° $M_0$2.13400×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 2s4 Moment tensor: Scale 10^{17}Nm; M_{rr}1.07 $M_{\theta\theta}$-0.10 $M_{\phi\phi}$-0.97 $M_{r\theta}$-0.04 $M_{\theta\phi}$-0.24 $M_{\phi r}$0.88 NP1:ϕ_s3.80000°,δ65.15000°,λ81.42000°. NP2:ϕ_s203.55000°,δ26.20000°,λ107.86000°. Principal axes: T 1.4062,Plg69.0000°,Azm257.0000°; N -0.0703,Plg8.0000°,Azm7.0000°; P -1.3359,Plg20.0000°,Azm100.0000° $M_0$1.37000×10^{17}

(210) South of Mariana Islands

ISC	**II**	**19 10 42 09.1–1.0**	**13.77N–.05**	**147.50E–.06**	**18–4**	**4.9b,3.6s**	**363**	**3-146**

IDC II 19 10 42 05.6–.48 13.84N 147.49E 0 4.7L,4.6 ¶610231557
BJI II 19 10 42 05.8–.00 13.88N 147.73E 11 5.0b,4.7b
MOS II 19 10 42 06.4–.96 13.81N 147.51E 16 5.0b,4.7b
NEIC II 19 10 42 08.4–1.3 13.77N–.10 147.53E–.08 10–1 5.1b,4.7b
DJA II 19 10 42 08.2–.50 14N–6.0 147E–5.0 10 5.6b,5.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(111) Northern Peru

ISC II 20 07 45 13.1–.22 5.19S–.04 74.86W–.04 35 5.4b,4.6s 1558 3-173
IDC II 20 07 45 08.3–.33 5.08S 74.79W 0 5.0,5.0b ¶610231667
NEIC II 20 07 45 10.4–1.9 5.15S–.06 74.91W–.06 10–3 5.4b,5.1
NEIC II 20 07 45 10.1 4.63S 74.95W 26 5.4b,5.1
GCMT II 20 07 45 11.4–.20 5.31S–.02 74.98W–.01 24–0 5.1W,5.1
VAO II 20 07 45 11.5–.23 5.26S 74.90W 25 5.0b,5.1
MOS II 20 07 45 11.2–1.1 5.13S 74.98W 29 5.5b,4.5s
BJI II 20 07 45 12.0–.00 5.20S 74.90W 20 5.3b,5.3s
ISC Event type se.
IDC Error ellipse: s-maj=13.6km s-min=7.4km az=68.0.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=7.6km az=54.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution.Duration: 1s7 Moment tensor: Scale 10^16Nm; Mrr2.69 Mθθ1.57 Mφφ-4.26 Mrθ-3.08 Mθφ0.65 Mφr-0.14 NP1:φs320.55000°,δ59.04000°,λ41.31000°. NP2:φs206.23000°,δ55.52000°,λ141.39000°. Principal axes: T 5.2894,Plg50.0000°,Azm175.0000°; N -0.9505,Plg40.0000°,Azm351.0000° ; P -4.3389,Plg2.0000°,Azm83.0000° Mo4.81000×10^16
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s81,c101; s103,c143;Duration: 0 Moment tensor: Scale 10^16Nm; Mrr5.55±.15 Mθθ0.02±.09; Mφφ-5.57±.11; Mrθ-0.21±.13; Mθφ-0.29±.07; Mφr0.94±.14; Best double couple: NP1:φs0.00000°,δ50.00000°,λ87.00000°. NP2:φs186.00000°,δ40.00000°,λ94.00000°. Principal axes: T 5.6400,Plg85.0000° ,Azm244.0000°; N 0.0200,Plg3.0000°,Azm3.0000°; P -5.6630,Plg5.0000°,Azm93.0000° Mo5.65100×10^16
VAO Error ellipse: s-maj=2.6km s-min=3.4km az=-1.0.
MOS Error ellipse: s-maj=9.8km s-min=4.6km az=104.4.

(160) Off east coast of North Island

ISC II 20 07 53 05.9–.87 37.45S–.04 178.94E–.05 40–7 5.1b,4.1s 278 1-177
IDC II 20 07 53 00.9–.59 37.17S 178.89E 0 4.9,4.9b ¶611676684
WEL II 20 07 53 00 37.29S 179.03E 5 4.7W,4.7L
WEL II 20 07 53 01.6–.85 37S–4.0 179E–7.0 5 5.0L,4.7
NEIC II 20 07 53 01.7–1.6 37.64S–.09 179.01E–.06 11–3 5.1b,4.7
NOU II 20 07 53 02.8 37.52S 178.94E 11 5.0b,4.7
GCMT II 20 07 53 02.7–.40 37.33S–.04 179.12E–.04 23–1 4.9W,4.7
BJI II 20 07 53 03.6–.00 38.26S 178.44E 29 5.6b,5.4b
ISC Event type se.
IDC Error ellipse: s-maj=23.1km s-min=19.5km az=2.0.
WEL Moment Tensor Solution. s5 Moment tensor: Scale 10^16Nm; Mrr0.09 Mθθ0.89 Mφφ-0.98 Mrθ1.17 Mθφ0.29 Mφr0.37 NP1:φs137.00000°,δ48.00000°,λ12.00000°. NP2:φs39.00000° ,δ81.00000°,λ137.00000°. Principal axes: T 1798.2700,Plg36.0000°,Azm349.0000° ; N -695.6100,Plg47.0000°,Azm209.0000°; P -1102.6600,Plg21.0000°,Azm95.0000° Mo1.45000×10^16
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=98.8. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=6.9km az=185.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Off E. Coast of N. Island, N.Z.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s17,c20; s67,c80;Duration: 0 Moment tensor: Scale 10^16Nm; Mrr-2.43±.22 Mθθ0.66±.14; Mφφ1.77±.13; Mrθ0.57±.20; Mθφ0.72±.08; Mφr-1.01±.16; Best double couple: NP1:φs8.00000°,δ56.00000°,λ-110.00000°. NP2:φs220.00000°,δ39.00000°,λ-64.00000°. Principal axes: T 2.2280,Plg9.0000° ,Azm112.0000°; N 0.5830,Plg16.0000°,Azm19.0000°; P -2.8100,Plg72.0000°,Azm230.0000° Mo2.51900×10^16

(181) Fiji Islands region

ISC II 20 23 55 49.7–.31 15.11S–.07 176.32W–.05 17 5.3b,5.2s 634 4-177
IDC II 20 23 55 46.3–.60 15.18S 176.48W 0 5.0s,4.6 ¶610237804
NEIC II 20 23 55 48.8–1.7 15.0S–.10 176.38W–.09 6–1 5.5,5.4b
MOS II 20 23 55 49.9–1.2 14.92S 176.65W 28 5.5b,5.3s
NOU II 20 23 55 50.0 15.44S 176.10W 0 4.9b,5.3s
NEIC II 20 23 55 53 15.00S 176.51W 12 4.9b,5.3s
GCMT II 20 23 55 54.8–.10 14.89S–.01 176.56W–.01 12 5.4W,5.3s
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^17Nm; Mrr-0.62 Mθθ0.93 Mφφ-0.31 Mrθ-0.18 Mθφ1.06 Mφr0.46 NP1:φs201.39000°,δ66.72000°,λ-151.27000°. NP2:φs99.17000°,δ63.80000° ,λ-26.14000°. Principal axes: T 1.5419,Plg2.0000°,Azm330.0000°; N -0.2594,Plg54.0000° ,Azm237.0000°; P -1.2825,Plg36.0000°,Azm61.0000° Mo1.43000×10^17
NOU Fiji Islands Region.
NEIC Event type se. Moment Tensor Solution.Duration: 10s6 Moment tensor: Scale 10^17Nm; Mrr-0.80 Mθθ1.22 Mφφ-0.42 Mrθ-0.10 Mθφ1.64 Mφr-0.66 NP1:φs280.00000°,δ63.00000° ,λ-16.00000°. NP2:φs18.00000°,δ75.00000°,λ-152.00000°. Principal axes: T 2.2962,Plg8.0000°,Azm147.0000°; N -0.5640,Plg59.0000°,Azm43.0000° ; P -1.7321,Plg30.0000°,Azm242.0000° Mo2.07000×10^17
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s106,c186; s158,c303;Duration: 1s3 Moment tensor: Scale 10^17Nm; Mrr-1.06±.02 Mθθ1.26±.02; Mφφ-0.19±.02; Mrθ-0.16±.05; Mθφ1.66±.02; Mφr0.06±.06; Best double couple: NP1:φs98.00000°,δ73.00000°,λ-20.00000°. NP2:φs195.00000°,δ71.00000°,λ-162.00000°. Principal axes: T 2.3480,Plg2.0000° ,Azm147.0000°; N -0.9950,Plg64.0000°,Azm240.0000°; P -1.3470,Plg26.0000° ,Azm56.0000° Mo1.84700×10^17

(185) Vanuatu Islands region

ISC II 23 21 10 31.0–.25 21.28S–.05 174.35E–.04 10 5.4b,5.2s 814 5-169
IDC II 23 21 10 29.6–.52 21.30S 174.30E 0 4.9s,4.6 ¶610240057
BJI II 23 21 10 30.3–.00 21.30S 174.22E 7 5.4b,5.1s
NEIC II 23 21 10 31.5 21.16S 174.27E 12 5.4b,5.1s
NEIC II 23 21 10 31.5 21.26S 174.38E 12 5.4b,5.1s
NEIC II 23 21 10 31.5–2.1 21.26S–.08 174.38E–.08 10–1 5.5,5.5b
MOS II 23 21 10 33.5–1.9 21.37S 174.24E 28 5.4b,5.1s
GCMT II 23 21 10 34.5–.10 21.20S–.01 174.30E–.01 12 5.4W,5.1s
NOU II 23 21 10 38.0 21.37S 174.24E 43 5.1b,5.1s
ISC Event type se.
IDC Error ellipse: s-maj=16.9km s-min=14.4km az=128.0.
NEIC Event type se. Moment Tensor Solution.Duration: 2s8 Moment tensor: Scale 10^17Nm; Mrr-0.46 Mθθ-1.02 Mφφ1.48 Mrθ0.71 Mθφ-1.29 Mφr0.41 NP1:φs198.50000°,δ72.47000° ,λ-22.28000°. NP2:φs295.54000°,δ68.81000°,λ-161.16000°. Principal axes: T 2.0361,Plg2.0000°,Azm248.0000°; N -0.0305,Plg62.0000°,Azm342.0000° ; P -2.0057,Plg28.0000°,Azm156.0000° Mo2.02000×10^17
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=11.2km az=151.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=9.9km s-min=9.0km az=47.7.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s131,c220; s153,c282;Duration: 1s3 Moment tensor: Scale 10^17Nm; Mrr-0.17±.02 Mθθ-1.22±.02; Mφφ1.40±.02; Mrθ0.09±.04; Mθφ-1.10±.02; Mφr0.46±.04; Best double couple: NP1:φs25.00000°,δ89.00000°,λ15.00000°. NP2:φs295.00000°,δ75.00000°,λ179.00000°. Principal axes: T 1.8800,Plg11.0000° ,Azm251.0000°; N -0.2150,Plg75.0000°,Azm30.0000°; P -1.6590,Plg9.0000°,Azm159.0000° Mo1.77000×10^17
NOU Vanuatu Islands Region.

(572) Lake Tanganyika region

ISC II 24 00 32 16.4–.19 8.48S–.02 30.02E–.03 30–1 5.9b,5.8s 2218 2-160
IDC II 24 00 32 11.6–.34 8.46S 30.02E 0 5.7s,5.5L ¶611831881
LSZ II 24 00 32 14.7–.30 8.17S 31.82E 10 5.7s,5.5L
MOS II 24 00 32 15.5–.78 8.33S 30.04E 34 6.0b,5.6s
BJI II 24 00 32 15.8–.00 8.11S 29.88E 34 6.0b,5.8s
NEIC II 24 00 32 17.8–2.4 8.44S–.06 30.03E–.07 30–1 6.0b,5.9
GCMT II 24 00 32 18.5–.10 8.31S 29.86E 34–0 6.0W,5.9
NEIC II 24 00 32 22.5 8.58S 29.99E 40 6.0W,5.9
BGR II 24 00 32 27.8 6.42S 30.66E 33 6.1,5.9b
ISC Event type se. Moment Tensor Solution. NP1:φs226.77986°,δ45.19652°,λ-97.52537°. NP2:φs57.39763°,δ45.29822°,λ-82.48794°. Principal axes: T Plg0.0511°,Azm142.0934° ; N Plg5.3318°,Azm232.0982°; P Plg84.6679°,Azm51.5462°
IDC Error ellipse: s-maj=10.9km s-min=9.0km az=87.0.
LSZ Error ellipse: s-maj=4.6km s-min=6.3km az=-1.0.
MOS Error ellipse: s-maj=6.9km s-min=3.3km az=85.1.
NEIC Event type se. Error ellipse: s-maj=12.9km s-min=9.9km az=291.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^17Nm; Mrr-5.80 Mθθ7.23 Mφφ-1.43 Mrθ2.27 Mθφ2.59 Mφr3.29 NP1:φs99.21000°,δ38.47000°,λ-50.07000°. NP2:φs232.31000°,δ61.51000° ,λ-117.02000°. Principal axes: T 8.6284,Plg12.0000°,Azm342.0000°; N -1.0156,Plg24.0000° ,Azm246.0000°; P -7.6128,Plg63.0000°,Azm97.0000° Mo8.17000×10^17
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s161,c350; s153,c497; Duration: 2s3 Moment tensor: Scale 10^18Nm; Mrr-0.87±.01 Mθθ0.88±.01; Mφφ0.00±.01; Mrθ0.21±.01; Mθφ0.30±.00; Mφr0.46±.01; Best double couple: NP1:φs233.00000°,δ59.00000° ,λ-114.00000°. NP2:φs93.00000°,δ38.00000°,λ-57.00000°. Principal axes: T 1.0310,Plg11.0000°,Azm339.0000°; N 0.0380,Plg20.0000°,Azm246.0000° ; P -1.0680,Plg67.0000°,Azm96.0000° Mo1.05000×10^18
NEIC Event type se. Moment Tensor Solution.Duration: 3s7 Moment tensor: Scale 10^17Nm; Mrr-8.41 Mθθ8.12 Mφφ0.30 Mrθ0.45 Mθφ2.35 Mφr1.54 NP1:φs245.36000°,δ48.56000° ,λ-102.36000°. NP2:φs83.68000°,δ42.93000°,λ-76.37000°. Principal axes: T 8.8105,Plg3.0000°,Azm344.0000°; N -0.1346,Plg9.0000°,Azm254.0000° ; P -8.6760,Plg80.0000°,Azm91.0000° Mo8.74000×10^17
ISC Event type ke. Hypocentre not reviewed by the ISC.

(281) Tanimbar Islands region

ISC II 25 01 11 37.8–.27 7.32S–.04 130.62E–.05 50 4.7b,3.4s 280 1-150
BJI II 25 01 11 35.0–.00 7.40S 130.70E 52 5.2b,4.9s ¶610240980
IDC II 25 01 11 37.7–4.2 7.31S 130.56E 44–38 4.6,4.3b
NEIC II 25 01 11 37.9–2.0 7.26S–.06 130.42E–.08 37–3 4.8b,4.3b
DJA II 25 01 11 39.7–.20 7S–2.0 131E–2.0 80–3 5.5b,5.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(706) Northern Sumatera

ISC II 25 08 01 33.2–.48 5.21N–.05 96.17E–.05 29 4.2b,3.5s 50 1-141
IDC II 25 08 01 28.2–.86 5.09N 96.16E 0 4.7L,4.1b ¶610384987
DJA II 25 08 01 30.2–.60 5N–5.0 96E–4.0 10 5.8b,5.3
NEIC II 25 08 01 35.0–2.1 5.28N–.07 96.46E–.09 28–4 4.3b,5.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(248) Philippine Islands region

ISC II 25 18 57 24.9–.55 10.47N–.03 126.86E–.04 11–3 5.1b,4.0s 761 1-164
BJI II 25 18 57 22.5–.00 10.13N 126.93E 25 5.2b,4.9b ¶611831883
MAN II 25 18 57 22.3 10.61N 127.22E 52 5.7b,5.1s
IDC II 25 18 57 23.4–.34 10.44N 126.77E 0 4.8,4.8b
NEIC II 25 18 57 24.9–2.0 10.54N–.07 126.77E–.09 10–1 5.2b,4.8b
MOS II 25 18 57 26.5–.92 10.44N 126.78E 33 5.2b,4.8b
GCMT II 25 18 57 28.9–.20 10.55N–.03 126.99E–.01 13–1 5.0W,4.8b
DJA II 25 18 57 41.4–.60 9N–4.0 127E–3.0 83–4 5.4b,5.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s32,c34; s102,c144;Duration: 0 Moment tensor: Scale 10^16Nm; Mrr-2.97±.17 Mθθ0.01±.09; Mφφ2.96±.12; Mrθ0.11±.28; Mθφ-0.02±.07; Mφr-1.67±.28; Best double couple: NP1:φs358.00000°,δ60.00000°,λ-92.00000°. NP2:φs181.00000°,δ30.00000°,λ-87.00000°. Principal axes: T 3.3990,Plg15.0000° ,Azm89.0000°; N 0.0160,Plg1.0000°,Azm359.0000°; P -3.4110,Plg75.0000°,Azm263.0000° Mo3.40500×10^16

(160) Off east coast of North Island

ISC II 25 23 49 26.9–.91 36.94S–.07 179.50E–.07 35 4.4b,3.2s 175 1-156
NOU II 25 23 49 14.4 36.83S 179.75W 0 4.8,3.2s ¶610272991
NEIC II 25 23 49 26.9–.99 36.86S–.09 179.0E–.10 9–5 4.4b,3.2s
WEL II 25 23 49 27.8–.82 37S–5.0 179E–7.0 33 5.6b,5.1
IDC II 25 23 49 35.1–3.5 37.81S 179.17E 107–24 4.3,3.9b
ISC Event type se.
NOU East of North Island, N.Z.
NEIC Event type se. Error ellipse: s-maj=18.0km s-min=4.2km az=137.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=85.2. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=35.4km s-min=33.1km az=67.0.

(192) New Britain region

ISC II 26 01 30 06.7–.49 5.87S–.06 153.28E–.08 32 4.7b,3.5s 104 2-151
IDC II 26 01 30 02.0–.58 5.86S 153.30E 0 4.3,4.3b ¶610241392
NEIC II 26 01 30 04.9–1.3 5.86S–.07 153.4E–.10 17–5 4.6b,4.3b
DJA II 26 01 30 10.4–.50 6S–3.0 153E–4.0 57–5 5.7b,5.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(135) Near coast of central Chile

ISC II 26 08 59 16.1–.29 28.95S–.02 71.44W–.03 29–1 5.4b,4.5s 599 1-175
SJA II 26 08 59 14.5–.74 28.93S 71.47W 27–3 5.2L,5.1W ¶610241380
VAO II 26 08 59 15.2–.36 28.93S 71.34W 20 5.2b,5.1W
GUC II 26 08 59 15.9–.55 28.95S 71.30W 38–3 4.8L,5.1W
NEIC II 26 08 59 16.4 28.95S 71.51W 40 4.8L,5.1W
MOS II 26 08 59 16.5–1.3 28.83S 71.23W 36 5.4b,5.1W
NEIC II 26 08 59 16.4 28.95S 71.51W 40 5.4b,5.1W
IDC II 26 08 59 16.8–.54 28.91S 71.30W 32–3 4.7,4.6b
NEIC II 26 08 59 16.7–1.8 28.96S–.04 71.59W–.06 35–3 5.3b,5.1
PRE II 26 08 59 16.8–2.7 28.82S 71.53W 36 5.5b,5.1
GCMT II 26 08 59 21.7–.20 28.89S–.02 71.74W–.02 36–0 5.1W,5.1
ISC Event type se. Moment Tensor Solution. NP1:φs45.78129°,δ55.55934°,λ138.47369°. NP2:φs162.38399°,δ56.85536°,λ42.48937°. Principal axes: T Plg51.8615°,Azm14.7849° ; N Plg38.1281°,Azm193.2170°; P Plg0.7616°,Azm283.8148°
ISC Hypocentre not reviewed by the ISC.
NEIC Event type se. Moment Tensor Solution.Duration: 1s6 Moment tensor: Scale 10^16Nm; Mrr3.36 Mθθ-0.25 Mφφ-3.12 Mrθ0.54 Mθφ0.10 Mφr-1.89 NP1:φs171.19000°,δ60.55000° ,λ83.68000°. NP2:φs3.89000°,δ30.06000°,λ101.04000°. Principal axes: T 3.9336,Plg74.0000°,Azm65.0000°; N -0.2895,Plg6.0000°,Azm174.0000° ; P -3.6441,Plg15.0000°,Azm266.0000° Mo3.79000×10^16
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^16Nm; Mrr2.79 Mθθ0.61 Mφφ-3.40 Mrθ0.45 Mθφ-0.19 Mφr-1.53 NP1:φs172.25000°,δ58.88000°,λ77.82000°. NP2:φs14.92000°,δ33.19000° ,λ109.27000°. Principal axes: T 3.2402,Plg73.0000°,Azm51.0000°; N 0.5192,Plg10.0000° ,Azm179.0000°; P -3.7594,Plg13.0000°,Azm271.0000° Mo3.53000×10^16
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s69,c81; s84,c127;Duration: 0 Moment tensor: Scale 10^16Nm; Mrr5.25±.20 Mθθ0.23±.13; Mφφ-5.48±.14; Mrθ1.03±.12; Mθφ-0.47±.08; Mφr-3.23±.16; Best double couple: NP1:φs173.00000°,δ61.00000°,λ78.00000°. NP2:φs16.00000°,δ31.00000°,λ111.00000°. Principal axes: T 6.3510,Plg71.0000° ,Azm56.0000°; N 0.0330,Plg10.0000°,Azm179.0000°; P -6.3820,Plg15.0000°,Azm272.0000° Mo6.36700×10^16

(274) Southern Sumatera

ISC II 26 15 21 59.6–.28 4.18S–.03 102.06E–.03 49–2 5.3b,4.1s 989 1-175
BJI II 26 15 21 55.4–.00 4.73S 102.08E 70 5.4b,5.0b ¶610241365
MOS II 26 15 21 57.5–.99 3.90S 102.27E 38 5.6b,5.0b
DJA II 26 15 22 00.1–.20 4S–2.0 102E–2.0 52–2 5.5b,5.4
NEIC II 26 15 22 00.0–2.5 4.21S–.07 102.02E–.06 43–4 5.4b,5.4
IDC II 26 15 22 02.8–1.2 4.03S 102.25E 71–9 5.2,5.0b
GCMT II 26 15 22 03.0–.30 4.33S–.02 101.81E–.02 54–1 4.9W,5.0b

ISC Event type se. Moment Tensor Solution. NP1:ϕs133.16476°,δ62.63067°,λ100.26348°. NP2: ϕs291.66669°,δ29.09065°,λ71.00729°. Principal axes: T Plg70.5583°,Azm65.4067° ; N Plg9.1042°,Azm308.4063°; P Plg17.0276°,Azm215.5932°
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s39,c50; s87,c115;Duration: 0 Moment tensor: Scale 10^16Nm; Mrr2.32±.14 Mθθ-1.24±.10; Mϕϕ-1.08±.14; Mrθ1.24±.08; Mθϕ1.80±.07; Mϕr-0.62±.08; Best double couple: NP1:ϕs124.00000°,δ59.00000°,λ78.00000°. NP2:ϕs326.00000°,δ33.00000°,λ109.00000°. Principal axes: T 2.7100,Plg73.0000° ,Azm4.0000°; N 0.5680,Plg10.0000°,Azm130.0000°; P -3.2790,Plg13.0000°,Azm222.0000° M0 2.99400×10^16

(224) Hokkaido region

ISC	**II**	**27 09 10 38.0–.32**	**42.31N–.03**	**143.03E–.03**	**60–2**	**4.9b**	**919**	**0-168**
MOS	II	27 09 10 36.9–.89	42.23N	143.00E	64	5.1b		**¶614144221**
BJI	II	27 09 10 36.4–.00	42.19N	143.01E	63	5.0b,5.0b		
SKHL	II	27 09 10 37.0–.50	42.10N	143.00E	72–3	5.5b,5.0b		
IDC	II	27 09 10 38.3–1.4	42.37N	143.00E	61–12	4.7,4.4b		
NEIC	II	27 09 10 38.6–1.8	42.32N–.06	143.0E–.10	56–5	4.9b,4.4b		
JMA	II	27 09 10 39.2–.15	42.4N–.50	143.1E–.50	52–1	4.7W,4.7		
NIED	II	27 09 10 39.2	42.35N	143.05E	52	4.6W,4.7		
BGR	II	27 09 10 44.2	43.57N	142.34E	33	5.1b,4.7		

ISC Event type ke. Moment Tensor Solution. NP1:ϕs5.60291°,δ3.31593°,λ-103.51982°. NP2: ϕs199.14458°,δ86.77605°,λ-89.22398°. Principal axes: T Plg41.7711°,Azm288.4088° ; N Plg0.7748°,Azm19.1009°; P Plg48.2184°,Azm109.9681°
MOS Error ellipse: s-maj=5.8km s-min=4.2km az=112.5.
IDC Error ellipse: s-maj=11.9km s-min=8.9km az=123.0.
NEIC Event type se. Error ellipse: s-maj=12.5km s-min=6.9km az=114.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. HIDAKA MOUNTAINS REGION .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^15Nm; Mrr7.32 Mθθ-3.32 Mϕϕ-4.00 Mrθ1.61 Mθϕ-4.66 Mϕr5.22 NP1:ϕs28.00000°,δ63.00000°,λ75.00000°. NP2:ϕs239.00000° ,δ31.00000°,λ117.00000°. M0 9.58000×10^15
ISC Event type ke. Hypocentre not reviewed by the ISC.

(705) Off west coast of northern Sumatera

ISC	**II**	**27 11 26 22.5–.47**	**2.28N–.05**	**95.29E–.05**	**10**	**4.7b,3.9s**	**104**	**1-144**
IDC	II	27 11 26 19.9–.77	2.34N	95.29E	0	4.2L,4.0		**¶610241599**
DJA	II	27 11 26 25.2–.70	2N–3.0	95E–3.0	12–4	5.5b,5.0		
NEIC	II	27 11 26 25.3–1.7	2.32N–.08	95.3E–.10	29–6	4.8b,5.0		
BJI	II	27 11 26 26.8–.00	2.88N	95.61E	10	4.9b,4.6b		

ISC Event type se.
IDC Error ellipse: s-maj=30.9km s-min=16.8km az=49.0.
NEIC Event type se. Error ellipse: s-maj=20.4km s-min=6.4km az=61.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(410) Southern Mid-Atlantic Ridge

ISC	**II**	**28 03 50 21.8–.35**	**48.05S–.07**	**9.86W–.08**	**10**	**5.0b,4.7s**	**167**	**11-154**
IDC	II	28 03 50 20.3–.54	48.01S	9.96W	0	4.6s,4.4		**¶610241746**
NEIC	II	28 03 50 22.2–1.9	48.0S–.10	10.0W–.20	10–1	5.1b,4.4		
GCMT	II	28 03 50 23.2–.20	48.42S–.02	9.78W–.01	12	5.2W,4.4		
BJI	II	28 03 50 23.0–.00	48.10S	9.90W	20	5.5b,5.1s		

ISC Event type se.
IDC Error ellipse: s-maj=19.0km s-min=14.3km az=147.0.
NEIC Event type se. Error ellipse: s-maj=19.7km s-min=17.0km az=74.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s63,c82; s139,c230;Duration: 0 Moment tensor: Scale 10^16Nm; Mrr-6.89±.12 Mθθ0.54±.12; Mϕϕ6.35±.10; Mrθ0.38±.43; Mθϕ-1.78±.10; Mϕr-1.00±.35; Best double couple: NP1:ϕs343.00000°,δ49.00000°,λ-91.00000°. NP2:ϕs165.00000°,δ41.00000°,λ-89.00000°. Principal axes: T 6.9340,Plg4.0000° ,Azm74.0000°; N 0.0390,Plg1.0000°,Azm344.0000°; P -6.9740,Plg86.0000°,Azm244.0000° M0 6.95400×10^16

(228) Near east coast of eastern Honshu

ISC	**II**	**28 07 49 02.3–.22**	**37.53N–.02**	**141.29E–.02**	**52–1**	**5.8b,5.2s**	**2452**	**0-166**
BJI	II	28 07 48 57.6–.00	37.51N	141.48E	43	5.7b,5.5b		**¶610241802**
IDC	II	28 07 49 00.2–2.2	37.55N	141.34E	33–16	5.7,5.5b		
MOS	II	28 07 49 00.0–.83	37.61N	141.23E	41	6.2b,5.3s		
BGR	II	28 07 49 01.8	37.70N	142.27E	45	6.0,5.8b		
NEIC	II	28 07 49 02.9–2.1	37.57N–.06	141.34E–.09	47–1	5.8,5.7		
JMA	II	28 07 49 02.1–.09	37.5N–.20	141.4E–.60	52–0	5.7W,5.7		
NIED	II	28 07 49 02.1	37.51N	141.37E	52	5.7W,5.7		
GCMT	II	28 07 49 03.9–.10	37.56N–.01	141.45E–.01	54–0	5.8W,5.7		
NEIC	II	28 07 49 10.2	37.46N	141.46E	60	5.8W,5.7		

ISC Event type ke. Moment Tensor Solution. NP1:ϕs32.73759°,δ59.80354°,λ126.95589°. NP2: ϕs156.50148°,δ46.31718°,λ44.06696°. Principal axes: T Plg57.5677°,Azm355.1735° ; N Plg31.3068°,Azm192.0107°; P Plg7.6270°,Azm97.3394°
IDC Error ellipse: s-maj=10.3km s-min=8.7km az=99.0.
MOS Error ellipse: s-maj=5.5km s-min=3.3km az=109.2.
ISC Event type ke. Hypocentre not reviewed by the ISC.
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=9.0km az=294.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^17Nm; Mrr-0.21 Mθθ0.51 Mϕϕ-0.30 Mrθ1.63 Mθϕ0.25 Mϕr3.79 NP1:ϕs203.84000°,δ89.22000°,λ-96.50000°. NP2:ϕs107.00000°,δ6.55000° ,λ-6.88000°. Principal axes: T 4.0613,Plg44.0000°,Azm300.0000°; N 0.1934,Plg6.0000° ,Azm204.0000°; P -4.2547,Plg45.0000°,Azm107.0000° M0 4.16000×10^17 Moment Tensor Solution. Moment tensor: Scale 10^17Nm; Mrr4.38 Mθθ-0.88 Mϕϕ-3.50 Mrθ1.00 Mθϕ-0.88 Mϕr3.23 NP1:ϕs196.90000°,δ25.16000°,λ89.82000°. NP2:ϕs17.10000°,δ64.85000° ,λ90.09000°. Principal axes: T 5.6016,Plg70.0000°,Azm287.0000°; N -0.6097,Plg0.0000° ,Azm197.0000°; P -4.9918,Plg20.0000°,Azm107.0000° M0 5.32000×10^17
JMA Event type fe. E OFF FUKUSHIMA PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^17Nm; Mrr2.81 Mθθ-0.00 Mϕϕ-2.81 Mrθ0.96 Mθϕ-1.02 Mϕr3.18 NP1:ϕs17.00000°,δ69.00000°,λ89.00000°. NP2:ϕs199.00000° ,δ21.00000°,λ92.00000°. M0 4.46000×10^17
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s151,c298; s163,c355;Duration: 1s9 Moment tensor: Scale 10^17Nm; Mrr4.74±.06 Mθθ-0.40±.05; Mϕϕ-4.34±.05; Mrθ0.96±.04; Mθϕ-1.30±.04; Mϕr3.16±.05; Best double couple: NP1:ϕs17.00000°,δ62.00000°,λ90.00000°. NP2:ϕs197.00000°,δ28.00000°,λ90.00000°. Principal axes: T 5.7790,Plg73.0000° ,Azm287.0000°; N -0.0100,Plg0.0000°,Azm197.0000°; P -5.7690,Plg17.0000° ,Azm107.0000° M0 5.77400×10^17
NEIC Event type se. Moment Tensor Solution.Duration: 3s6 Moment tensor: Scale 10^17Nm; Mrr3.21 Mθθ-0.44 Mϕϕ-2.77 Mrθ0.41 Mθϕ-0.79 Mϕr2.11 NP1:ϕs13.78000°,δ62.33000° ,λ87.15000°. NP2:ϕs199.91000°,δ27.81000°,λ95.42000°. Principal axes: T 3.8854,Plg73.0000°,Azm277.0000°; N -0.2079,Plg3.0000°,Azm15.0000° ; P -3.6775,Plg17.0000°,Azm106.0000° M0 3.78000×10^17

(196) Irian Jaya region

ISC	**II**	**28 21 18 19.5–.84**	**2.61S–.07**	**136.62E–.05**	**42**	**3.5b**	**20**	**1-78**
IDC	II	28 21 18 13.1–2.7	3.01S	136.70E	0	3.7L,3.4		**¶610385228**
DJA	II	28 21 18 18.1–1.0	3S–4.0	137E–3.0	28–12	5.6b,5.0		

ISC Event type ke.

(705) Off west coast of northern Sumatera

ISC	**III**	**01 04 41 22.9–.54**	**4.70N–.07**	**94.47E–.09**	**35**	**4.4b**	**49**	**2-146**
DJA	III	01 04 41 23.6–2.0	4N–6.0	95E–17	10	5.5b,5.0		**¶610545291**
NEIC	III	01 04 41 25.4–1.0	4.9N–.10	94.6E–.10	47–8	4.5b,5.0		
IDC	III	01 04 41 33.1–8.4	4.90N	94.73E	125–77	4.2,3.8b		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.3km s-min=13.6km az=225.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=39.0km s-min=15.4km az=58.0.

(7) Andreanof Islands

ISC	**III**	**01 10 39 48.6–.22**	**52.16N–.04**	**173.37W–.03**	**58–1**	**5.5b,4.2s**	**1538**	**0-160**
BGR	III	01 10 39 41.2	51.21N	172.69W	33	5.1b,4.1s		**¶615815256**
BJI	III	01 10 39 45.7–.00	52.49N	173.22W	55	5.1b,5.0b		
MOS	III	01 10 39 46.7–1.0	52.25N	173.39W	53	5.2b,4.3s		
NEIC	III	01 10 39 48.4	51.97N	173.36W	60	5.2b,4.3s		
IDC	III	01 10 39 48.5–.29	52.20N	173.43W	57–2	5.0,4.7b		
NEIC	III	01 10 39 48.5–1.9	52.17N–.09	173.37W–.08	52–4	5.6L,5.5b		
NEIC	III	01 10 39 48.5	52.12N	173.36W	53	5.6L,5.5b		
NEIC	III	01 10 39 48.4	52.17N	173.36W	60	5.6L,5.5b		
AEIC	III	01 10 39 49.2–2.3	52.12N–.06	173.32W–.08	63–4	5.6L,5.5b		
GCMT	III	01 10 39 50.5–.10	52.12N–.01	173.21W–.02	58–0	5.2W,5.5b		

ISC Event type ke. Moment Tensor Solution. NP1:ϕs240.63532°,δ45.19231°,λ76.37658°. NP2: ϕs79.61353°,δ46.40828°,λ103.33993°. Principal axes: T Plg80.3601°,Azm66.5916° ; N Plg9.6198°,Azm250.3277°; P Plg0.6164°,Azm160.2233°
BGR Event type ke.
NEIC Event type se. Moment Tensor Solution.Duration: 2s1 Moment tensor: Scale 10^16Nm; Mrr7.13 Mθθ-6.58 Mϕϕ-0.55 Mrθ1.16 Mθϕ-1.64 Mϕr1.94 NP1:ϕs64.15000°,δ52.55000° ,λ75.73000°. NP2:ϕs266.84000°,δ39.70000°,λ107.84000°. Principal axes: T 7.6309,Plg77.0000°,Azm284.0000°; N -0.4491,Plg11.0000°,Azm73.0000° ; P -7.1818,Plg7.0000°,Azm164.0000° M0 7.41000×10^16
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^16Nm; Mrr8.95 Mθθ-8.45 Mϕϕ-0.50 Mrθ1.34 Mθϕ-1.25 Mϕr0.99 NP1:ϕs265.88000°,δ40.43000°,λ97.11000°. NP2:ϕs76.57000°,δ49.94000° ,λ83.98000°. Principal axes: T 9.1349,Plg83.0000°,Azm307.0000°; N -0.3742,Plg5.0000° ,Azm80.0000°; P -8.7607,Plg5.0000°,Azm171.0000° M0 8.95000×10^16
NEIC Event type se.
NEIC Event type se.
AEIC Event type se. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s113,c172; s134,c224;Duration: 1s0 Moment tensor: Scale 10^17Nm; Mrr0.81±.02 Mθθ-0.69±.01; Mϕϕ-0.11±.01; Mrθ0.07±.01; Mθϕ-0.32±.01; Mϕr0.19±.01; Best double couple: NP1:ϕs56.00000°,δ51.00000°,λ77.00000°. NP2:ϕs256.00000°,δ41.00000°,λ105.00000°. Principal axes: T 0.8510,Plg79.0000° ,Azm270.0000°; N 0.0010,Plg10.0000°,Azm64.0000°; P -0.8520,Plg5.0000°,Azm155.0000° M0 0.85200×10^17

(162) South Island

ISC	**III**	**01 19 01 01.6–.78**	**43.01S–.03**	**173.22E–.03**	**5–4**	**5.1b,4.0s**	**324**	**0-176**
WEL	III	01 19 01 00	42.96S	173.10E	6	5.2L,4.8W		**¶610476256**
NOU	III	01 19 01 00.4	43.32S	173.66E	0	4.9b,4.8W		
IDC	III	01 19 01 00.7–.54	42.85S	173.20E	0	4.7,4.7b		
NEIC	III	01 19 01 01.2	43.06S	173.20E	12	4.7,4.7b		
BJI	III	01 19 01 01.0–.00	42.84S	173.28E	11	5.8b,5.1b		
NEIC	III	01 19 01 01.6–1.4	43.03S–.05	173.20E–.07	8–2	5.0b,4.8		
GCMT	III	01 19 01 01.0–.40	43.19S–.03	173.04E–.03	12	4.8W,4.8		
NEIC	III	01 19 01 01.2	43.06S	173.07E	12	4.8W,4.8		
NEIC	III	01 19 01 02	43.01S	173.18E	10	4.8W,4.8		
WEL	III	01 19 01 02.7–.33	43S–3.0	173E–3.0	12–3	5.2,5.2		

ISC Event type se.
WEL Moment Tensor Solution. s13 Moment tensor: Scale 10^16Nm; Mrr2.12 Mθθ-0.47 Mϕϕ-1.65 Mrθ-0.60 Mθϕ-1.02 Mϕr0.03 NP1:ϕs16.00000°,δ43.00000°,λ69.00000°. NP2:ϕs224.00000° ,δ50.00000°,λ108.00000°. Principal axes: T -2253.2700,Plg75.0000°,Azm197.0000° ; N -11.0500,Plg14.0000°,Azm31.0000°; P 2264.3300,Plg4.0000°,Azm301.0000° M0 2.26000×10^16
NOU Off E. Coast of S. Island, N.Z.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^16Nm; Mrr2.04 Mθθ-0.60 Mϕϕ-1.44 Mrθ-0.32 Mθϕ-1.02 Mϕr0.14 NP1:ϕs223.36000°,δ46.70000°,λ103.30000°. NP2:ϕs24.34000°,δ44.90000° ,λ76.28000°. Principal axes: T 2.0954,Plg80.0000°,Azm209.0000°; N 0.0291,Plg10.0000° ,Azm34.0000°; P -2.1245,Plg1.0000°,Azm304.0000° M0 2.11000×10^16
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s24,c30; s70,c96;Duration: 0 Moment tensor: Scale 10^16Nm; Mrr2.24±.09 Mθθ-0.71±.08; Mϕϕ-1.53±.07; Mrθ-0.14±.26; Mθϕ-0.91±.06; Mϕr0.30±.26; Best double couple: NP1:ϕs26.00000°,δ48.00000°,λ81.00000°. NP2:ϕs219.00000°,δ43.00000°,λ100.00000°. Principal axes: T 2.2800,Plg83.0000° ,Azm233.0000°; N -0.1580,Plg7.0000°,Azm32.0000°; P -2.1220,Plg2.0000°,Azm123.0000° M0 2.20100×10^16
NEIC Event type se. Moment Tensor Solution.Duration: 1s4 Moment tensor: Scale 10^16Nm; Mrr2.06 Mθθ-0.36 Mϕϕ-1.69 Mrθ0.13 Mθϕ-0.86 Mϕr0.01 NP1:ϕs29.28000°,δ45.99000° ,λ94.51000°. NP2:ϕs202.81000°,δ44.19000°,λ85.35000°. Principal axes: T 2.0628,Plg87.0000°,Azm11.0000°; N 0.0518,Plg3.0000°,Azm206.0000° ; P -2.1146,Plg1.0000°,Azm116.0000° M0 2.09000×10^16
NEIC Event type se.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

(366) Turkey

ISC	**III**	**02 11 07 27.2–.30**	**37.62N–.02**	**38.43E–.01**	**12–1**	**5.3b,5.2s**	**1496**	**0-164**
ISK	III	02 11 07 24.4	37.49N	38.50E	15–0	5.7L,5.2s		**¶610243233**
DDA	III	02 11 07 25.0–.00	37.60N	38.49E	10–0	5.5W,5.2s		
PDG	III	02 11 07 25.4	37.60N	38.49E	11	5.5W,5.2s		
MCSM	III	02 11 07 25.5–.70	38N–5.0	38E–4.0	15–1	5.5b,5.2s		
IDC	III	02 11 07 25.1–.30	37.66N	38.40E	0	5.1s,4.9		
MED_R	III	02 11 07 25.0–.20	37.59N	38.54E	12–1	5.6W,4.9		
MOS	III	02 11 07 25.1–.92	37.63N	38.40E	12	5.4b,5.1s		
GII	III	02 11 07 26.9–.00	37.58N	38.44E	10	5.4b,5.1s		
GCMT	III	02 11 07 26.9–.10	37.53N–.01	38.45E–.01	17–0	5.6W,5.1s		
BGR	III	02 11 07 26.3	37.53N	38.68E	21–1	5.0b,4.9s		
NEIC	III	02 11 07 26.8	37.59N	38.46E	14	5.0b,4.9s		
NEIC	III	02 11 07 26.8	37.39N	38.58E	14	5.0b,4.9s		
NEIC	III	02 11 07 26.8	37.58N	38.46E	10	5.0b,4.9s		
NEIC	III	02 11 07 26.9–1.2	37.62N–.05	38.43E–.05	10–1	5.7,5.6		
DSN	III	02 11 07 27.5–.51	37.45N	38.45E	15	5.6b,5.6		
CFUSG	III	02 11 07 29.2	37.60N	38.50E	10	4.0b,5.6		

ISC Event type ke. Moment Tensor Solution. NP1:ϕs323.64423°,δ52.26396°,λ167.62897°. NP2: ϕs61.28979°,δ80.24529°,λ38.38941°. Principal axes: T Plg33.5437°,Azm289.6091° ; N Plg50.5768°,Azm73.3606°; P Plg18.2378°,Azm186.9904°
ISK Event type ke.
PDG Event type ke.
IDC Error ellipse: s-maj=6.8km s-min=5.9km az=123.0.
MED_R Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=45s. Moment Tensor Solution. Body waves: s10,c13; Mantle waves: s35,c80;Duration: 1s5 Moment tensor: Scale 10^17Nm; Mrr0.02±.05 Mθθ-2.27±.05; Mϕϕ2.25±.06; Mrθ1.24±.19; Mθϕ0.12±.04; Mϕr1.05±.16; Best double couple: NP1:ϕs227.00000°,δ90.00000°,λ-36.00000°. NP2:ϕs317.00000°,δ54.00000°,λ-179.00000°. Principal axes: T 2.7400,Plg24.0000°,Azm278.0000°; N 0.1000,Plg54.0000°,Azm46.0000° ; P -2.8300,Plg25.0000°,Azm176.0000° M0 2.78000×10^17
MOS Error ellipse: s-maj=4.0km s-min=2.9km az=105.0.
GII Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s105,c158; s151,c327;Duration: 1s5 Moment tensor: Scale 10^17Nm; Mrr0.20±.03 Mθθ-2.60±.04; Mϕϕ2.40±.03; Mrθ1.51±.11; Mθϕ0.12±.03; Mϕr0.15±.08; Best double couple: NP1:ϕs225.00000°,δ78.00000°,λ-21.00000°. NP2:ϕs319.00000°,δ69.00000°,λ-167.00000°. Principal axes: T 2.4220,Plg6.0000° ,Azm273.0000°; N 0.8360,Plg66.0000°,Azm16.0000°; P -3.2600,Plg24.0000°,Azm181.0000° M0 2.84100×10^17
BGR Event type ke.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 3s3 Moment tensor: Scale 10^17Nm; Mrr-0.16 Mθθ-2.07 Mϕϕ2.23 Mrθ1.85 Mθϕ0.17 Mϕr0.73 NP1:ϕs227.20000°,δ83.63000° ,λ-39.52000°. NP2:ϕs322.43000°,δ50.77000°,λ-171.77000°. Principal axes: T 2.5549,Plg22.0000°,Azm281.0000°; N 0.6480,Plg50.0000°,Azm40.0000° ; P -3.2029,Plg32.0000°,Azm177.0000° M0 2.88000×10^17
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.7km s-min=6.0km az=338.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^17Nm; Mrr0.72 Mθθ-3.29 Mϕϕ2.57 Mrθ2.34 Mθϕ-0.75 Mϕr1.69 NP1:ϕs309.02000°,δ44.96000°,λ173.42000°. NP2:ϕs43.69000°,δ85.36000° ,λ45.23000°. Principal axes: T 3.6244,Plg34.0000°,Azm277.0000°; N 1.0157,Plg45.0000° ,Azm48.0000°; P -4.6401,Plg26.0000°,Azm167.0000° M0 4.22000×10^17
DSN Error ellipse: s-maj=11.3km s-min=6.7km az=51.0.
CFUSG Eastern Turkey. Magtype MSH 4.8 from 4 stations.

(265) Minahassa Peninsula, Sulawesi

ISC	**III**	**03 04 32 23.1–.85**	**0.79S–.06**	**121.49E–.06**	**10**	**3.6b,3.0s**	**18**	**1-63**
IDC	III	03 04 32 21.5–1.0	0.81S	121.48E	0	3.9L,3.8		**¶610545428**
DJA	III	03 04 32 22.9–.30	1S–3.0	121E–3.0	10	5.6b,5.2		

ISC Event type ke.
(193) Bougainville-Solomon Islands region
ISC III 04 02 58 22.4–.30 7.29S–.03 155.76E–.03 41–2 5.8s,5.8b 1833 5-169
MOS III 04 02 58 17.5–.94 7.16S 155.68E 14 6.1b,5.7s **¶615092497**
IDC III 04 02 58 18.8–1.4 7.23S 155.77E 17–7 5.6s,5.4
NEIC III 04 02 58 20.3–2.1 7.33S–.07 155.75E–.06 17–1 6.1,5.9
NEIC III 04 02 58 20.7 7.33S 155.74E 19 6.1,5.9
BJI III 04 02 58 22.4–.00 6.89S 155.96E 57 5.9b,5.8s
NEIC III 04 02 58 23.5 7.31S 155.74E 30 5.9b,5.8s
NEIC III 04 02 58 23.5 7.31S 155.74E 30 5.9b,5.8s
GCMT III 04 02 58 24.3–.10 7.45S 155.73E 22–0 6.0W,5.8s
DJA III 04 02 58 26.9–.40 7S–2.0 156E–3.0 79–4 6.1b,6.0
ISC Event type se. Moment Tensor Solution. NP1:ϕs285.80429°,δ29.02605°,λ68.92050°. NP2: ϕs129.59337°,δ63.08050°,λ101.28670°. Principal axes: T Plg69.7892°,Azm63.2084° ; N Plg10.0502°,Azm304.4303°; P Plg17.3471°,Azm211.2568°
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; Mrr6.93 Mθθ-4.10 Mϕϕ-2.83 Mrθ1.78 Mθϕ4.30 Mϕr-3.05 NP1:ϕs139.69000°,δ57.85000°,λ100.21000°. NP2:ϕs300.99000°,δ33.57000° ,λ74.25000°. Principal axes: T 7.8290,Plg75.0000°,Azm78.0000°; N 0.7042,Plg9.0000° ,Azm314.0000°; P -8.5331,Plg12.0000°,Azm222.0000° M0 8.20000×10^{17}
NEIC Event type se.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 5s5 Moment tensor: Scale 10^{18}Nm; Mrr1.38 Mθθ-1.04 Mϕϕ-0.34 Mrθ0.33 Mθϕ0.74 Mϕr-0.40 NP1:ϕs128.71000°,δ54.78000° ,λ97.62000°. NP2:ϕs295.65000°,δ35.93000°,λ79.36000°. Principal axes: T 1.4797,Plg79.0000°,Azm67.0000°; N 0.1066,Plg6.0000°,Azm304.0000° ; P -1.5862,Plg9.0000°,Azm213.0000° M0 1.53000×10^{18}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s173,c393; s170,c569; Duration: 2s5 Moment tensor: Scale 10^{18}Nm; Mrr1.05±.01 Mθθ-0.83±.01; Mϕϕ-0.21±.01; Mrθ0.45±.01; Mθϕ0.57±.01; Mϕr-0.49±.01; Best double couple: NP1:ϕs130.00000°,δ61.00000° ,λ100.00000°. NP2:ϕs291.00000°,δ31.00000°,λ73.00000°. Principal axes: T 1.2540,Plg73.0000°,Azm63.0000°; N 0.0890,Plg9.0000°,Azm305.0000° ; P -1.3450,Plg15.0000°,Azm213.0000° M0 1.29900×10^{18}
(193) Bougainville-Solomon Islands region
ISC III 04 03 16 33.3–.24 7.30S–.05 155.77E–.04 44 5.1b,5.0s 428 5-161
MOS III 04 03 16 31.0–.88 7.14S 155.65E 30 5.3b,5.0s **¶615092498**
NEIC III 04 03 16 32.0–1.7 7.27S–.04 155.71E–.07 24–3 5.2b,5.0s
GCMT III 04 03 16 33.0–.40 7.47S–.03 155.76E–.03 27–1 5.2W,5.0s
BJI III 04 03 16 33.2–.00 6.95S 155.98E 53 5.5b,5.4s
IDC III 04 03 16 34.5–2.0 7.33S 155.79E 55–18 5.0s,4.8
DJA III 04 03 16 38.7–.90 8S–7.0 156E–6.0 71–10 5.2b,5.0
BGR III 04 03 16 40.8 7.46S 155.73E 33 5.4s,5.0
ISC Event type ke.
MOS Error ellipse: s-maj=8.8km s-min=6.6km az=117.1.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=5.2km az=86.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s19,c21; s65,c92;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; Mrr0.68±.07 Mθθ-0.52±.04; Mϕϕ-0.15±.04; Mrθ0.26±.06; Mθϕ0.35±.02; Mϕr-0.47±.06; Best double couple: NP1:ϕs138.00000°,δ64.00000°,λ106.00000°. NP2:ϕs285.00000°,δ31.00000°,λ60.00000°. Principal axes: T 0.8960,Plg67.0000° ,Azm79.0000°; N -0.0140,Plg15.0000°,Azm311.0000°; P -0.8820,Plg17.0000° ,Azm216.0000° M0 0.88900×10^{17}
IDC Error ellipse: s-maj=12.7km s-min=9.9km az=54.0.
BGR Event type ke.
(193) Bougainville-Solomon Islands region
ISC III 04 03 18 40.9–.33 7.38S–.06 155.86E–.06 44 5.0b 189 5-161
BJI III 04 03 18 39.2–.00 6.94S 155.97E 33 5.6b,5.3 **¶610470908**
MOS III 04 03 18 39.0–.92 7.17S 155.67E 31 5.3b,5.3
NEIC III 04 03 18 39.3–1.7 7.3S–.10 155.8E–.10 25–3 5.0b,5.3
IDC III 04 03 18 42.8–2.5 7.28S 155.87E 55–21 4.7,4.4b
ISC Event type se.
MOS Error ellipse: s-maj=10.3km s-min=9.0km az=112.1.
NEIC Event type fe. Error ellipse: s-maj=15.8km s-min=14.8km az=175.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=16.6km s-min=12.6km az=59.0.
(193) Bougainville-Solomon Islands region
ISC III 04 03 49 59.6–.34 7.26S–.06 155.72E–.06 50 4.9b,4.5s 166 5-154
NEIC III 04 03 49 55.0–2.2 7.17S–.10 155.81E–.08 10–1 5.0b,4.5s **¶610470910**
MOS III 04 03 49 58.3–1.0 7.12S 155.57E 45 5.1b,4.5s
BJI III 04 03 49 59.1–.00 6.83S 156.04E 56 5.5b,5.0s
IDC III 04 03 50 01.5–1.6 7.26S 155.75E 68–14 4.4,4.2s
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.5km s-min=11.7km az=208.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=10.0km s-min=7.9km az=119.1.
IDC Error ellipse: s-maj=15.0km s-min=10.0km az=39.0.
(259) Mindanao
ISC III 05 00 08 20.6–.34 9.78N–.02 125.45E–.02 27–2 5.6b,5.3s 1657 0-165
IDC III 05 00 08 16.4–.32 9.86N 125.29E 0 5.3,5.3b **¶610245306**
MOS III 05 00 08 16.8–.86 9.81N 125.40E 18 5.9b,5.3s
BJI III 05 00 08 16.8–.00 9.67N 125.66E 30 5.6b,5.6s
NEIC III 05 00 08 17.7 9.83N 125.52E 8 5.6b,5.6s
DJA III 05 00 08 18.7–.50 10N–3.0 126E–2.0 20–3 6.3,6.1b
NEIC III 05 00 08 18.0–1.5 9.83N–.06 125.50E–.07 11–3 5.8b,5.7
MAN III 05 00 08 18.5 9.76N 125.38E 10 6.2b,5.9s
NEIC III 05 00 08 20 9.82N 125.55E 20 6.2b,5.9s
GCMT III 05 00 08 22.0–.10 9.84N–.01 125.48E–.01 20–0 5.7W,5.9s
KLM III 05 00 08 25 9.59N 125.65E 60 5.6b,5.9s
NEIC III 05 00 08 26 9.82N 125.45E 16 5.6b,5.9s
BGR III 05 00 08 50.7 14.81N 121.50E 33 5.6s,5.5b
ISC Event type fe. Moment Tensor Solution. NP1:ϕs41.86915°,δ77.47247°,λ-135.84419°. NP2: ϕs299.97595°,δ47.15425°,λ-17.20812°. Principal axes: T Plg19.1155°,Azm164.3432° ; N Plg44.4565°,Azm54.4621°; P Plg39.3628°,Azm270.8609°
IDC Error ellipse: s-maj=9.0km s-min=7.4km az=47.0.
MOS Error ellipse: s-maj=7.1km s-min=3.6km az=117.7.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=8.7km az=77.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; Mrr0.39 Mθθ1.35 Mϕϕ-1.74 Mrθ-0.64 Mθϕ-1.86 Mϕr-0.78 NP1:ϕs338.82000°,δ72.23000°,λ-5.85000°. NP2:ϕs70.61000°,δ84.43000° ,λ-162.14000°. Principal axes: T 2.2607,Plg8.0000°,Azm203.0000°; N 0.6471,Plg71.0000° ,Azm87.0000°; P -2.9079,Plg17.0000°,Azm296.0000° M0 2.64000×10^{17}
MAN Event type fe. INTENSITY VI - SURIGAO CITY; INTENSITY V - BASILISA CAGDIANAO AND SAN JOSE DINAGAT ISLANDS; MALIMONO SURIGAO DEL NORTE; INTENSITY IV - BUTUAN CITY; JABONGA AGUSAN DEL NORTE; LIBJO DINAGAT ISLANDS; ALEGRIA AND MAINIT SURIGAO DEL NORTE; LIMASAWA AND SAN RICARDO SOUTHERN LEYTE; ; INTENSITY III - GINGOOG CITY; REMEDIOS T. ROMUALDEZ AGUSAN DEL NORTE; SAN FRANCISCO AND SAN JUAN SOUTHERN LEYTE; CLAVER SURIGAO DEL NORTE; ; INTENSITY II - GENERAL LUNA SURIGAO DEL NORTE; ORMOC CITY; CAGAYAN DE ORO CITY.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s119,c213; s152,c300;Duration: 1s8 Moment tensor: Scale 10^{17}Nm; Mrr-0.14±.05 Mθθ3.31±.05; Mϕϕ-3.17±.05; Mrθ-1.75±.11; Mθϕ-2.48±.04; Mϕr-1.87±.12; Best double couple: NP1:ϕs65.00000°,δ83.00000°,λ-151.00000°. NP2:ϕs331.00000°,δ61.00000°,λ-8.00000°. Principal axes: T 4.4350,Plg15.0000° ,Azm194.0000°; N 0.6950,Plg60.0000°,Azm77.0000°; P -5.1280,Plg26.0000°,Azm292.0000° M0 4.78100×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 12s0 Moment tensor: Scale 10^{17}Nm; Mrr-1.39 Mθθ3.25 Mϕϕ-1.86 Mrθ-0.93 Mθϕ-2.19 Mϕr-1.96 NP1:ϕs329.00000°,δ63.00000° ,λ-26.00000°. NP2:ϕs71.00000°,δ67.00000°,λ-150.00000°. Principal axes: T 4.0662,Plg2.0000°,Azm200.0000°; N 0.2231,Plg53.0000°,Azm106.0000° ; P -4.2892,Plg37.0000°,Azm291.0000° M0 4.18000×10^{17}
BGR Event type ke.
(691) Pacific-Antarctic Ridge
ISC III 05 22 28 10.3–.28 58.35S–.09 139.66W–.07 10 5.1b,4.3s 307 27-170
IDC III 05 22 28 08.9–.42 58.42S 139.78W 0 4.6,4.6b **¶610245496**
NEIC III 05 22 28 10.7–1.9 58.35S–.10 139.6W–.20 10–1 5.1b,4.6b
BJI III 05 22 28 11.0–.00 58.30S 139.70W 10 5.6b,5.4
ISC Event type se.
IDC Error ellipse: s-maj=25.7km s-min=14.7km az=178.0.
NEIC Event type se. Error ellipse: s-maj=23.1km s-min=16.9km az=3.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(192) New Britain region
ISC III 05 22 47 53.5–.23 6.06S–.02 149.39E–.03 43–1 6.2s,5.5b 1432 3-164
BJI III 05 22 47 52.0–.00 6.02S 149.41E 30 6.1,6.0s **¶615190856**
MOS III 05 22 47 52.1–1.2 6.01S 149.32E 37 6.2s,5.8b
NEIC III 05 22 47 54.0–1.9 6.00S–.07 149.36E–.07 37–1 6.4,6.3
NEIC III 05 22 47 53.3 6.00S 149.35E 31 6.4,6.3
IDC III 05 22 47 54.1–1.1 6.07S 149.34E 42–9 5.8s,5.5L
NEIC III 05 22 47 54 6.01S 149.34E 29 5.8s,5.5L
NEIC III 05 22 47 54.1 6.00S 149.32E 30 5.8s,5.5L
KLM III 05 22 47 57 6.11S 149.38E 50 5.6b,5.5L
DJA III 05 22 47 58.1–.40 6S–2.0 149E–3.0 73–4 6.7,6.0
GCMT III 05 22 48 00.0–.00 6.30S 149.54E 48–0 6.3W,6.0
NEIC III 05 22 48 01 6.11S 149.44E 50 6.3W,6.0
NEIC III 05 22 48 13.6 5.71S 149.26E 47 6.3W,6.0
ISC Event type se.
MOS Error ellipse: s-maj=7.9km s-min=4.8km az=105.5.
NEIC Event type se. Error ellipse: s-maj=13.1km s-min=9.6km az=132.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; Mrr2.30 Mθθ-1.99 Mϕϕ-0.31 Mrθ0.71 Mθϕ-0.03 Mϕr-0.15 NP1:ϕs92.60000°,δ54.27000°,λ94.05000°. NP2:ϕs265.69000°,δ35.93000° ,λ84.39000°. Principal axes: T 2.4220,Plg80.0000°,Azm20.0000°; N -0.3159,Plg3.0000° ,Azm270.0000°; P -2.1062,Plg9.0000°,Azm180.0000° M0 2.28000×10^{18}
NEIC Event type se.
IDC Error ellipse: s-maj=11.6km s-min=8.0km az=65.0.
NEIC Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s171,c408; s153,c611; Duration: 3s5 Moment tensor: Scale 10^{18}Nm; Mrr3.39±.02 Mθθ-3.91±.01; Mϕϕ0.52±.01; Mrθ0.65±.02; Mθϕ-0.08±.01; Mϕr-0.17±.02; Best double couple: NP1:ϕs92.00000°,δ50.00000° ,λ95.00000°. NP2:ϕs265.00000°,δ40.00000°,λ85.00000°. Principal axes: T 3.4580,Plg84.0000°,Azm34.0000°; N 0.5150,Plg3.0000°,Azm269.0000° ; P -3.9680,Plg5.0000°,Azm179.0000° M0 3.71300×10^{18}
NEIC Event type se. Moment Tensor Solution.Duration: 15s2 Moment tensor: Scale 10^{18}Nm; Mrr3.72 Mθθ-3.62 Mϕϕ-0.10 Mrθ1.74 Mθϕ-0.08 Mϕr-0.49 NP1:ϕs262.00000°,δ33.00000° ,λ78.00000°. NP2:ϕs96.00000°,δ58.00000°,λ98.00000°. Principal axes: T 4.1689,Plg76.0000°,Azm28.0000°; N -0.1568,Plg6.0000°,Azm272.0000° ; P -4.0121,Plg13.0000°,Azm180.0000° M0 4.09000×10^{18}
NEIC Event type se. Moment Tensor Solution.Duration: 8s3 Moment tensor: Scale 10^{18}Nm; Mrr4.20 Mθθ-4.20 Mϕϕ0.00 Mrθ-0.29 Mθϕ-0.24 Mϕr-0.30 NP1:ϕs262.91000°,δ47.24000° ,λ84.81000°. NP2:ϕs90.53000°,δ43.01000°,λ95.58000°. Principal axes: T 4.2256,Plg86.0000°,Azm116.0000°; N -0.0033,Plg4.0000°,Azm266.0000° ; P -4.2222,Plg2.0000°,Azm357.0000° M0 4.22000×10^{18}
(210) South of Mariana Islands
ISC III 07 02 44 21.4–.51 12.16N–.04 144.29E–.07 16–2 4.9b,3.7s 280 2-155
BJI III 07 02 44 16.9–.00 12.16N 144.47E 7 4.8b,4.7b **¶610247307**
IDC III 07 02 44 19.0–.36 12.16N 144.16E 0 4.7,4.7b
MOS III 07 02 44 20.9–.98 12.15N 144.08E 24 5.1b,4.7b
NEIC III 07 02 44 26–1.7 12.2N–.10 144.2E–.10 45–7 4.9b,4.7b
DJA III 07 02 44 28.3–.60 12N–3.0 145E–4.0 87–6 5.6,5.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(189) Southeast of Loyalty Islands
ISC III 07 10 55 37.2–.51 22.98S–.04 171.38E–.04 17–2 5.4b,5.2s 1031 4-171
IDC III 07 10 55 34.2–.41 22.83S 171.51E 0 5.0,5.0b **¶611831990**
MOS III 07 10 55 35.2–1.3 22.84S 171.31E 10 5.5b,5.0s
BJI III 07 10 55 37.0–.00 22.90S 171.40E 30 5.6b,5.3b
NEIC III 07 10 55 37.3–1.6 22.93S–.08 171.38E–.07 14–3 5.4b,5.2
GCMT III 07 10 55 41.3–.10 22.91S–.01 171.40E–.01 15–1 5.3W,5.2
NOU III 07 10 55 43.1 22.92S 171.24E 40 5.4L,5.2
ISC Event type se.
IDC Error ellipse: s-maj=14.3km s-min=13.5km az=34.0.
MOS Error ellipse: s-maj=7.9km s-min=7.4km az=122.7.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=9.5km az=169.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s80,c129; s136,c229;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; Mrr0.03±.01 Mθθ-0.17±.01; Mϕϕ0.14±.01; Mrθ0.95±.10; Mθϕ0.51±.01; Mϕr0.13±.03; Best double couple: NP1:ϕs83.00000°,δ89.00000°,λ61.00000°. NP2:ϕs351.00000°,δ29.00000°,λ178.00000°. Principal axes: T 1.0920,Plg39.0000° ,Azm326.0000°; N 0.0100,Plg29.0000°,Azm83.0000°; P -1.1010,Plg37.0000°,Azm198.0000° M0 1.09700×10^{17}
NOU Southeast of Loyalty Islands.
(273) Southwest of Sumatera
ISC III 07 15 45 40.8–.33 6.32S–.03 102.18E–.04 21–4 5.6s,5.4b 961 2-174
IDC III 07 15 45 38.2–.39 6.17S 102.30E 0 5.2s,4.9 **¶611831988**
DJA III 07 15 45 38.2–1.1 6S–3.0 102E–2.0 11–7 5.9b,5.7
KLM III 07 15 45 38 6.42S 101.97E 15 5.7b,5.7
MOS III 07 15 45 39.4–1.1 6.17S 102.34E 20 5.6b,5.4s
BJI III 07 15 45 39.0–.00 6.20S 102.30E 10 5.9s,5.8
NEIC III 07 15 45 39.6–1.5 6.26S–.06 102.19E–.07 10–1 5.6,5.6b
NEIC III 07 15 45 39.6 6.54S 101.88E 12 5.6,5.6b
NEIC III 07 15 45 39.6 6.24S 102.18E 12 5.6,5.6b
GCMT III 07 15 45 41.6–.10 6.61S–.01 101.94E–.01 14–0 5.5W,5.6b
ISC Event type se. Moment Tensor Solution. NP1:ϕs128.62833°,δ79.98716°,λ120.50300°. NP2: ϕs235.07152°,δ31.95334°,λ19.17974°. Principal axes: T Plg46.2952°,Azm69.9242° ; N Plg29.9902°,Azm302.7800°; P Plg28.4911°,Azm194.5257°
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution.Duration: 2s5 Moment tensor: Scale 10^{17}Nm; Mrr0.93 Mθθ-0.57 Mϕϕ-0.36 Mrθ1.28 Mθϕ0.46 Mϕr-1.25 NP1:ϕs133.70000°,δ76.28000° ,λ92.50000°. NP2:ϕs303.25000°,δ13.94000°,λ79.85000°. Principal axes: T 2.0134,Plg59.0000°,Azm47.0000°; N -0.0032,Plg2.0000°,Azm313.0000° ; P -2.0102,Plg31.0000°,Azm222.0000° M0 2.01000×10^{17}
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s121,c192; s124,c217;Duration: 1s3 Moment tensor: Scale 10^{17}Nm; Mrr1.05±.03 Mθθ-0.78±.02; Mϕϕ-0.26±.02; Mrθ1.29±.07; Mθϕ0.53±.01; Mϕr-0.99±.06; Best double couple: NP1:ϕs127.00000°,δ73.00000°,λ93.00000°. NP2:ϕs297.00000°,δ17.00000°,λ81.00000°. Principal axes: T 1.9240,Plg62.0000° ,Azm41.0000°; N 0.0590,Plg3.0000°,Azm306.0000°; P -1.9840,Plg28.0000°,Azm214.0000° M0 1.95400×10^{17}
(196) Irian Jaya region
ISC III 07 16 55 57.5–.84 4.13S–.10 133.66E–.08 35 3.7b 15 2-89
IDC III 07 16 55 53.3–1.3 4.19S 133.67E 0 3.7,3.6b **¶610545745**
DJA III 07 16 55 53.9–.30 4S–3.0 134E–3.0 10 6.0b,5.7
ISC Event type ke.
(186) Vanuatu Islands
ISC III 07 23 38 23.9–.45 15.01S–.04 168.15E–.04 17–2 5.3b,5.0s 703 3-169
NEIC III 07 23 38 22.5–1.6 15.02S–.07 168.16E–.09 8–1 5.6,5.5 **¶610470930**
BJI III 07 23 38 22.0–.00 15.00S 168.10E 10 5.6b,5.1b
NEIC III 07 23 38 22.9 15.01S 168.13E 9 5.6b,5.1b
NEIC III 07 23 38 24 14.91S 168.04E 16 5.6b,5.1b
NEIC III 07 23 38 24 15.01S 168.04E 16 5.6b,5.1b
MOS III 07 23 38 25.3–1.0 14.96S 167.98E 33 5.4b,4.9s
NOU III 07 23 38 26.1 15.14S 167.81E 4 5.5L,4.9s
IDC III 07 23 38 27.0–2.7 14.99S 168.09E 34–19 5.2L,4.9
GCMT III 07 23 38 26.5–.10 14.94S–.01 168.07E 12 5.5W,4.9

ISC Event type se. Moment Tensor Solution. NP1:φs342.26465°,δ19.76176°,λ79.57108°. NP2: φs173.33054°,δ70.57793°,λ93.72089°. Principal axes: T Plg64.2361°,Azm89.3907° ; N Plg3.5089°,Azm352.0917°; P Plg25.4887°,Azm260.4166°
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; Mrr1.84 Mθθ-0.63 Mφφ-1.21 Mrθ1.24 Mθφ0.13 Mφr-1.57 NP1:φs147.05000°,δ71.51000°,λ84.06000°. NP2:φs345.22000°,δ19.39000° ,λ107.21000°. Principal axes: T 2.8578,Plg63.0000°,Azm48.0000°; N -0.6992,Plg6.0000° ,Azm149.0000°; P -2.1585,Plg26.0000°,Azm242.0000° M0 2.58000$\times10^{17}$
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 3s1 Moment tensor: Scale 10^{17}Nm; Mrr2.84 Mθθ-0.27 Mφφ-2.57 Mrθ0.53 Mθφ0.59 Mφr-0.10 NP1:φs157.26000°,δ47.97000° ,λ77.70000°. NP2:φs355.30000°,δ43.47000°,λ103.30000°. Principal axes: T 2.9261,Plg81.0000°,Azm360.0000°; N -0.2021,Plg9.0000°,Azm166.0000° ; P -2.7240,Plg2.0000°,Azm256.0000° M0 2.83000$\times10^{17}$
NEIC Event type se.
NOU Vanuatu Islands.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s142,c227; s161,c315;Duration: 1s4 Moment tensor: Scale 10^{17}Nm; Mrr2.21±.02 Mθθ-0.03±.02; Mφφ-2.18±.02; Mrθ0.69±.06; Mθφ0.69±.02; Mφr0.10±.06; Best double couple: NP1:φs147.00000°,δ49.00000°,λ67.00000°. NP2:φs0.00000°,δ46.00000°,λ114.00000°. Principal axes: T 2.4220,Plg73.0000° ,Azm347.0000°; N -0.0390,Plg17.0000°,Azm163.0000°; P -2.3820,Plg1.0000° ,Azm253.0000° M0 2.40200$\times10^{17}$

(221) Kuril Islands

ISC	**III**	**08 01 33 11.9–.56**	**47.21N–.07**	**153.79E–.06**	**35**	**4.4b,4.1s**	**290**	**4-150**
SKHL	III	08 01 33 09.1–.50	47.20N	153.70E	28–5	5.6b,4.1s		**¶610273085**
MOS	III	08 01 33 09.3–1.2	47.26N	153.82E	27	4.6b,4.1s		
NEIC	III	08 01 33 12.4–1.6	47.3N–.10	153.8E–.10	35–2	4.4b,4.1s		
IDC	III	08 01 33 14.6–2.3	47.36N	153.71E	47–19	4.2,4.0b		
BGR	III	08 01 33 16.1	47.68N	154.68E	33	4.8b,4.0s		

ISC Event type ke.
MOS Error ellipse: s-maj=7.6km s-min=5.3km az=86.2.
NEIC Event type se. Error ellipse: s-maj=20.0km s-min=12.1km az=144.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=21.8km s-min=11.3km az=153.0.
BGR Event type ke.

(267) Halmahera

ISC	**III**	**08 01 38 43.8–.28**	**2.31N–.03**	**128.59E–.03**	**55–2**	**5.5b,4.6s**	**1033**	**2-166**
KLM	III	08 01 38 38	2.46N	128.89E	10	5.7b,4.6s		**¶611831997**
BJI	III	08 01 38 40.3–.00	2.05N	128.99E	65	5.1b,5.1b		
MOS	III	08 01 38 40.0–1.0	2.39N	128.55E	36	5.6b,4.6s		
IDC	III	08 01 38 42.8–1.2	2.36N	128.46E	40–9	5.2,5.1L		
GCMT	III	08 01 38 43.1–.10	2.62N–.01	128.65E–.01	42–1	5.2W,5.1L		
NEIC	III	08 01 38 44.5	2.30N	128.62E	58	5.2W,5.1L		
NEIC	III	08 01 38 44.1–1.9	2.30N–.06	128.66E–.06	58–4	5.6b,5.2		
NEIC	III	08 01 38 44.5	3.10N	128.62E	60	5.6b,5.2		
DJA	III	08 01 38 45.2–.10	2N–2.0	129E–1.0	61–1	5.9b,5.7b		

ISC Event type se. Moment Tensor Solution. NP1:φs78.72081°,δ32.90178°,λ87.52315°. NP2: φs261.67007°,δ57.13284°,λ91.60154°. Principal axes: T Plg77.8041°,Azm177.0379° ; N Plg1.3451°,Azm80.8008°; P Plg12.1192°,Azm350.5119°
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s96,c142; s127,c212;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; Mrr0.47±.02 Mθθ-0.63±.01; Mφφ0.16±.02; Mrθ-0.51±.02; Mθφ0.33±.01; Mφr0.44±.02; Best double couple: NP1:φs310.00000°,δ71.00000°,λ110.00000°. NP2:φs82.00000°,δ27.00000°,λ45.00000°. Principal axes: T 0.8260,Plg59.0000° ,Azm248.0000°; N 0.1950,Plg19.0000°,Azm123.0000°; P -1.0210,Plg23.0000°,Azm25.0000° M0 0.92300$\times10^{17}$
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution.Duration: 1s1.0 Moment tensor: Scale 10^{16}Nm; Mrr7.27 Mθθ-7.61 Mφφ0.34 Mrθ-2.41 Mθφ1.24 Mφr3.33 NP1:φs297.63000°,δ58.55000° ,λ111.48000°. NP2:φs80.60000°,δ37.45000°,λ59.09000°. Principal axes: T 8.8068,Plg68.0000°,Azm253.0000°; N -0.4392,Plg18.0000°,Azm106.0000° ; P -8.3676,Plg11.0000°,Azm12.0000° M0 8.59000$\times10^{16}$

(197) Near north coast of Irian Jaya

ISC	**III**	**09 03 13 17.8–.56**	**2.72S–.07**	**138.95E–.06**	**37**	**4.3b,3.1s**	**46**	**1-136**
IDC	III	09 03 13 12.6–1.0	2.71S	138.82E	0	4.1,4.1b		**¶610545848**
DJA	III	09 03 13 14.2–.40	3S–4.0	139E–4.0	10	5.6b,5.2		
NEIC	III	09 03 13 19.4–2.0	2.84S–.04	138.82E–.09	49–8	4.4b,5.2		

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

(701) West of Macquarie Island

ISC	**III**	**09 11 14 27.1–.51**	**60.22S–.04**	**150.37E–.05**	**14–2**	**5.7s,5.5b**	**618**	**7-158**
IDC	III	09 11 14 23.9–.43	60.13S	150.54E	0	5.5s,4.8		**¶611831999**
NEIC	III	09 11 14 26.9	60.14S	150.44E	10	5.5s,4.8		
NEIC	III	09 11 14 26.9	60.14S	150.44E	12	5.5s,4.8		
MOS	III	09 11 14 26.0–1.1	59.95S	150.39E	10	5.7b,5.4s		
NEIC	III	09 11 14 26.4–2.0	60.15S–.07	150.30E–.09	10–1	5.9,5.9		
NEIC	III	09 11 14 27	60.14S	150.54E	10	5.9,5.9		
GCMT	III	09 11 14 29.4–.10	60.02S	150.16E	12	5.9W,5.9		

ISC Event type se.
IDC Error ellipse: s-maj=19.9km s-min=12.1km az=87.0.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 4s4 Moment tensor: Scale 10^{17}Nm; Mrr-1.10 Mθθ5.28 Mφφ-4.18 Mrθ-1.28 Mθφ-5.57 Mφr-1.31 NP1:φs70.93000°,δ81.77000° ,λ-165.86000°. NP2:φs338.86000°,δ76.01000°,λ-8.48000°. Principal axes: T 7.9007,Plg4.0000°,Azm204.0000°; N -0.6562,Plg74.0000°,Azm101.0000° ; P -7.2445,Plg16.0000°,Azm295.0000° M0 7.57000$\times10^{17}$
MOS Error ellipse: s-maj=27.8km s-min=8.7km az=93.5.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=6.4km az=203.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; Mrr-2.09 Mθθ4.95 Mφφ-2.86 Mrθ-0.39 Mθφ-5.65 Mφr-2.75 NP1:φs339.15000°,δ75.06000°,λ-24.05000°. NP2:φs75.71000°,δ66.81000° ,λ-163.72000°. Principal axes: T 8.0015,Plg6.0000°,Azm29.0000°; N -0.8203,Plg62.0000° ,Azm129.0000°; P -7.1812,Plg27.0000°,Azm296.0000° M0 7.62000$\times10^{17}$
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s154,c310; s158,c495; Duration: 2s2 Moment tensor: Scale 10^{18}Nm; Mrr-0.03±.01 Mθθ0.54±.01; Mφφ-0.51±.01; Mrθ-0.23±.01; Mθφ-0.68±.01; Mφr0.02±.01; Best double couple: NP1:φs251.00000°,δ85.00000° ,λ166.00000°. NP2:φs342.00000°,δ76.00000°,λ5.00000°. Principal axes: T 0.9250,Plg13.0000°,Azm206.0000°; N -0.0690,Plg76.0000°,Azm52.0000° ; P -0.8560,Plg6.0000°,Azm297.0000° M0 0.89000$\times10^{18}$

(97) Near coast of Venezuela

ISC	**III**	**10 13 46 40.7–.24**	**11.98N–.02**	**69.71W–.03**	**21–2**	**5.5b,4.8s**	**1689**	**1-156**
IDC	III	10 13 46 37.5–.30	11.91N	69.68W	0	5.1,5.1b		**¶610321347**
MOS	III	10 13 46 38.0–1.1	11.92N	69.74W	12	5.7b,5.1b		
UPA	III	10 13 46 38.9–3.0	11.96N	69.41W	10–311	5.3W,5.1b		
NEIC	III	10 13 46 39.7	12.00N	69.60W	10	5.3W,5.1b		
NEIC	III	10 13 46 39.8	11.99N	69.60W	18	5.3W,5.1b		
NEIC	III	10 13 46 39.8	11.89N	69.70W	18	5.3W,5.1b		
FUNV	III	10 13 46 40.8	12.10N	69.66W	14	5.1W,5.1b		
VAO	III	10 13 46 40.3–.23	11.85N	69.74W	10	5.3b,5.1b		
NEIC	III	10 13 46 40.4–2.2	11.98N–.04	69.57W–.06	15–1	5.5b,5.2		
GCMT	III	10 13 46 42.4–.10	12.06N–.01	69.73W–.01	20–0	5.2W,5.2		
BGR	III	10 13 46 47.9	12.17N	68.60W	28–0	5.5b,4.4s		

ISC Event type se. Moment Tensor Solution. NP1:φs329.54565°,δ34.25469°,λ-59.08609°. NP2: φs113.62293°,δ61.12430°,λ-109.28296°. Principal axes: T Plg14.0628°,Azm217.5523° ; N Plg16.8086°,Azm123.2126°; P Plg67.8081°,Azm345.4361°
IDC Error ellipse: s-maj=10.2km s-min=8.7km az=60.0.
MOS Error ellipse: s-maj=6.5km s-min=4.7km az=73.2.
UPA Error ellipse: s-maj=98.1km s-min=313.5km az=-1.0.
NEIC Event type se.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 1s9 Moment tensor: Scale 10^{16}Nm; Mrr-5.91 Mθθ0.68 Mφφ5.23 Mrθ-2.82 Mθφ-3.56 Mφr1.36 NP1:φs134.85000°,δ58.01000° ,λ-109.88000°. NP2:φs349.16000°,δ37.10000°,λ-61.44000°. Principal axes: T 7.6710,Plg11.0000°,Azm239.0000°; N -0.7138,Plg17.0000°,Azm146.0000° ; P -6.9573,Plg70.0000°,Azm1.0000° M0 7.31000$\times10^{16}$
VAO Error ellipse: s-maj=3.1km s-min=4.1km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=7.0km az=111.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; Mrr-4.89 Mθθ1.09 Mφφ3.79 Mrθ0.53 Mθφ-2.07 Mφr0.87 NP1:φs321.85000°,δ42.85000°,λ-104.57000°. NP2:φs161.38000°,δ48.84000° ,λ-76.86000°. Principal axes: T 4.9399,Plg3.0000°,Azm242.0000°; N 0.1276,Plg10.0000° ,Azm333.0000°; P -5.0676,Plg80.0000°,Azm135.0000° M0 5.00000$\times10^{16}$
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s106,c161; s131,c206;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; Mrr-0.80±.02 Mθθ0.16±.01; Mφφ0.64±.01; Mrθ-0.09±.02; Mθφ-0.38±.01; Mφr0.10±.02; Best double couple: NP1:φs149.00000°,δ49.00000°,λ-93.00000°. NP2:φs333.00000°,δ41.00000°,λ-87.00000°. Principal axes: T 0.8610,Plg4.0000° ,Azm241.0000°; N -0.0480,Plg2.0000°,Azm151.0000°; P -0.8140,Plg85.0000°,Azm35.0000° M0 0.83700$\times10^{17}$
BGR Event type ke.

(178) Kermadec Islands

ISC	**III**	**11 17 10 40.5–.34**	**30.59S–.03**	**177.55W–.04**	**30–1**	**5.5b,5.3s**	**1255**	**1-170**
NEIC	III	11 17 10 38.2	30.61S	176.95W	46	5.5b,5.3s		**¶610470947**
BGR	III	11 17 10 38.6	30.89S	176.74W	33	5.3s,5.3s		
NEIC	III	11 17 10 38.7–1.4	30.52S–.05	177.5W–.10	22–1	5.6,5.6b		
BJI	III	11 17 10 38.5–.00	30.15S	177.24W	24	5.8b,5.3b		
MOS	III	11 17 10 38.3–1.2	30.54S	177.68W	21	5.7b,5.2s		
NEIC	III	11 17 10 38.2	30.61S	177.53W	46	5.7b,5.2s		
NEIC	III	11 17 10 40.3	30.60S	177.55W	35	5.7b,5.2s		
IDC	III	11 17 10 40.9–1.9	30.38S	177.74W	27–12	5.0s,5.0		
NOU	III	11 17 10 43.4	30.82S	177.37W	54	5.6L,5.0		
GCMT	III	11 17 10 44.7–.10	30.54S–.01	177.53W–.01	37–0	5.7W,5.0		

ISC Event type ke. Moment Tensor Solution. NP1:φs40.53839°,δ57.70877°,λ99.74474°. NP2: φs202.71733°,δ33.57665°,λ75.00627°. Principal axes: T Plg75.2119°,Azm338.5012° ; N Plg8.2262°,Azm215.2964°; P Plg12.2027°,Azm123.5048°
NEIC Event type se. Moment Tensor Solution.Duration: 3s0 Moment tensor: Scale 10^{17}Nm; Mrr2.52 Mθθ-0.32 Mφφ-2.20 Mrθ0.27 Mθφ-1.15 Mφr1.11 NP1:φs20.34000°,δ56.77000° ,λ84.31000°. NP2:φs210.63000°,δ33.66000°,λ98.60000°. Principal axes: T 2.7682,Plg77.0000°,Azm272.0000°; N 0.2050,Plg5.0000°,Azm23.0000° ; P -2.9732,Plg12.0000°,Azm114.0000° M0 2.87000$\times10^{17}$
BGR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; Mrr1.26 Mθθ-0.61 Mφφ-0.66 Mrθ0.61 Mθφ-0.60 Mφr1.04 NP1:φs231.97000°,δ23.80000°,λ106.03000°. NP2:φs34.53000°,δ67.18000° ,λ83.05000°. Principal axes: T 1.7681,Plg67.0000°,Azm292.0000°; N -0.0673,Plg6.0000° ,Azm37.0000°; P -1.7009,Plg22.0000°,Azm130.0000° M0 1.74000$\times10^{17}$
NEIC Event type se.
NEIC Event type se.
NOU Kermadec Islands, New Zealand.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s147,c282; s149,c278;Duration: 1s6 Moment tensor: Scale 10^{17}Nm; Mrr2.94±.04 Mθθ0.06±.03; Mφφ-3.00±.03; Mrθ0.24±.05; Mθφ-1.28±.03; Mφr2.04±.05; Best double couple: NP1:φs12.00000°,δ62.00000°,λ81.00000°. NP2:φs210.00000°,δ30.00000°,λ106.00000°. Principal axes: T 3.5800,Plg72.0000° ,Azm261.0000°; N 0.4570,Plg8.0000°,Azm16.0000°; P -4.0420,Plg16.0000°,Azm108.0000° M0 3.81100$\times10^{17}$

(228) Near east coast of eastern Honshu

ISC	**III**	**11 19 57 47.8–.24**	**37.51N–.02**	**141.52E–.03**	**48–1**	**5.5b,4.7s**	**1802**	**1-161**
MOS	III	11 19 57 45.2–.89	37.58N	141.50E	35	5.8b,5.0s		**¶610325491**
BJI	III	11 19 57 45.5–.00	37.55N	141.48E	52	5.3b,5.1b		
NEIC	III	11 19 57 46.5	37.63N	141.32E	50	5.3b,5.1b		
NEIC	III	11 19 57 46.5	37.53N	141.57E	50	5.3b,5.1b		
NIED	III	11 19 57 47.6	37.51N	141.54E	46	5.3W,5.1b		
JMA	III	11 19 57 47.6–.10	37.5N–.30	141.5E–.70	46–1	5.4,5.3W		
NEIC	III	11 19 57 48.1–1.5	37.53N–.05	141.51E–.07	44–4	5.5b,5.3		
IDC	III	11 19 57 48.8–1.3	37.59N	141.41E	54–11	5.2,5.0b		
NEIC	III	11 19 57 48.4	37.54N	141.47E	46	5.2,5.0b		
GCMT	III	11 19 57 50.1–.10	37.56N–.01	141.62E–.01	48–0	5.3W,5.0b		
BGR	III	11 19 57 51.1	38.08N	142.43E	51–1	5.6b,4.9s		

ISC Event type ke. Moment Tensor Solution. NP1:φs43.68659°,δ58.15051°,λ75.92558°. NP2: φs249.09923°,δ34.51906°,λ111.37821°. Principal axes: T Plg72.8906°,Azm277.9195° ; N Plg11.9213°,Azm51.2228°; P Plg12.0918°,Azm143.8152°
MOS Error ellipse: s-maj=5.4km s-min=3.3km az=106.5.
NEIC Event type se. Moment Tensor Solution.Duration: 2s3 Moment tensor: Scale 10^{16}Nm; Mrr7.43 Mθθ-0.03 Mφφ-7.40 Mrθ2.22 Mθφ-1.54 Mφr5.98 NP1:φs17.24000°,δ65.12000° ,λ95.15000°. NP2:φs185.15000°,δ25.38000°,λ79.04000°. Principal axes: T 9.8023,Plg69.0000°,Azm298.0000°; N 0.1987,Plg5.0000°,Azm195.0000° ; P -10.0010,Plg20.0000°,Azm103.0000° M0 9.90000$\times10^{16}$
NEIC Event type se.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; Mrr5.38 Mθθ0.65 Mφφ-6.03 Mrθ3.16 Mθφ-1.73 Mφr6.76 NP1:φs23.00000°,δ71.00000°,λ97.00000°. NP2:φs181.00000° ,δ20.00000°,λ69.00000°. M0 9.54000$\times10^{16}$
JMA Event type fe. E OFF FUKUSHIMA PREF .
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=6.8km az=72.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; Mrr2.85 Mθθ-0.08 Mφφ-2.77 Mrθ2.10 Mθφ-1.02 Mφr6.50 NP1:φs199.48000°,δ11.80000°,λ91.50000°. NP2:φs17.94000°,δ78.21000° ,λ89.69000°. Principal axes: T 7.3257,Plg57.0000°,Azm288.0000°; N 0.2617,Plg0.0000° ,Azm18.0000°; P -7.5874,Plg33.0000°,Azm108.0000° M0 7.46000$\times10^{16}$
IDC Error ellipse: s-maj=10.1km s-min=8.4km az=109.0.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s107,c180; s142,c260;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; Mrr1.14±.02 Mθθ-0.16±.01; Mφφ-0.97±.02; Mrθ0.35±.01; Mθφ-0.28±.01; Mφr0.69±.01; Best double couple: NP1:φs23.00000°,δ62.00000°,λ95.00000°. NP2:φs193.00000°,δ28.00000°,λ81.00000°. Principal axes: T 1.3870,Plg72.0000° ,Azm303.0000°; N -0.0840,Plg4.0000°,Azm200.0000°; P -1.3030,Plg17.0000° ,Azm109.0000° M0 1.34500$\times10^{17}$
BGR Event type ke.

(274) Southern Sumatera

ISC	**III**	**12 01 24 44.5–1.4**	**4.67S–.08**	**101.93E–.08**	**46–14**	**3.9b**	**42**	**1-146**
IDC	III	12 01 24 37.8–4.2	4.73S	101.86E	0	3.6,3.6b		**¶610546051**
DJA	III	12 01 24 42.1–.80	5S–3.0	102E–3.0	12–6	6.3b,6.0		

ISC Event type ke.

(274) Southern Sumatera

ISC	**III**	**12 01 26 28.2–.65**	**4.73S–.05**	**102.57E–.04**	**60–5**	**4.7b,3.2s**	**193**	**1-150**
IDC	III	12 01 26 20.3–.65	4.67S	102.59E	0	4.5,4.5b		**¶610325550**
DJA	III	12 01 26 28.2–.30	5S–3.0	103E–2.0	41–4	8.8,8.2		
NEIC	III	12 01 26 28.3–1.3	4.67S–.07	102.58E–.06	54–3	4.6b,8.2		

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

(197) Near north coast of Irian Jaya

ISC	**III**	**12 02 14 19.0–.40**	**2.96S–.05**	**139.07E–.05**	**46**	**4.4b,3.7s**	**89**	**1-147**
DJA	III	12 02 14 18.1–.50	3S–3.0	139E–2.0	36–6	5.5b,5.0		**¶610325558**
NEIC	III	12 02 14 18.8–1.4	3.0S–.10	138.87E–.09	43–8	4.4b,5.0		
IDC	III	12 02 14 20.8–4.4	2.81S	139.09E	67–40	4.2,3.9b		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.2km s-min=11.3km az=209.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=34.4km s-min=18.7km az=66.0.

(296) Myanmar

ISC	**III**	**13 14 19 08.6–.45**	**17.34N–.03**	**95.84E–.03**	**18–2**	**5.0b,4.9s**	**717**	**3-165**
BJI	III	13 14 19 04.8–.00	17.12N	95.70E	24	5.5s,5.4		**¶611832038**
IDC	III	13 14 19 05.3–.50	17.36N	95.86E	0	4.8s,4.5		
NEIC	III	13 14 19 06.7–1.1	17.40N–.06	96.00E–.07	10–1	5.1b,4.5		
GCMT	III	13 14 19 07.7–.10	17.23N–.01	96.09E–.01	12	5.2W,4.5		
DJA	III	13 14 19 08.9–.20	18N–2.0	96E–3.0	13–1	5.7,5.3b		
MOS	III	13 14 19 08.6–1.3	17.41N	95.90E	32	5.1b,5.1s		
NDI	III	13 14 19 09.8–4.2	17.18N	95.76E	10	5.1b,4.5L		

ISC Event type se.
IDC Error ellipse: s-maj=13.8km s-min=10.7km az=8.0.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=10.5km az=119.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s77,c108; s128,c242;Duration: 1s0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.08±.12 $M_{\theta\theta}$2.30±.12; $M_{\phi\phi}$-1.22±.12; $M_{r\theta}$0.74±.33; $M_{\theta\phi}$7.40±.10; $M_{\phi r}$0.67±.31; Best double couple: NP1:ϕ_s7.00000°,δ86.00000°,λ175.00000°. NP2:ϕ_s97.00000°,δ85.00000°,λ4.00000°. Principal axes: T 8.2520,Plg6.0000°,Azm322.0000° ; N -1.1840,Plg84.0000°,Azm148.0000°; P -7.0670,Plg1.0000°,Azm52.0000° $M_0$7.65900×10^{16}
MOS Error ellipse: s-maj=6.6km s-min=3.9km az=113.8.
NDI Error ellipse: s-maj=11.7km s-min=25.2km az=-1.0.

(135) Near coast of central Chile

ISC III 13 15 05 55.4–.29 30.45S–.02 71.38W–.04 49–2 5.3b,4.5s 831 0-176
SJA III 13 15 05 51.8–.75 30.43S 71.58W 17–3 5.4L,5.0W **¶610327080**
NEIC III 13 15 05 54.8 30.42S 71.47W 34 5.4L,5.0W
VAO III 13 15 05 54.8–.34 30.44S 71.29W 34 5.5b,5.0W
MOS III 13 15 05 54.2–1.2 30.37S 71.12W 43 5.5b,5.0W
GUC III 13 15 05 55.7–.75 30.44S 71.33W 51–2 5.3L,5.0W
NEIC III 13 15 05 56.1 30.53S 71.64W 60 5.3L,5.0W
NEIC III 13 15 05 56.1 30.43S 71.41W 60 5.3L,5.0W
NEIC III 13 15 05 56–1.6 30.43S–.04 71.40W–.08 46–3 5.3,5.3b
GCMT III 13 15 05 59.0–.20 30.52S–.01 71.50W–.02 48–0 5.1W,5.3b
IDC III 13 15 06 00.5–1.9 30.47S 71.26W 93–16 5.2,4.9b
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s321.34189°,δ25.82394°,λ64.17509°. NP2: ϕ_s169.60643°,δ66.91459°,λ101.90437°. Principal axes: T Plg66.0290°,Azm100.6466° ; N Plg10.9388°,Azm344.8811°; P Plg21.0532°,Azm250.6146° Moment Tensor Solution. NP1:ϕ_s38.90891°,δ46.84519°,λ110.31043°. NP2:ϕ_s190.48973°,δ46.83107°,λ69.68466°. Principal axes: T Plg75.3320°,Azm24.6732°; N Plg14.6680°,Azm204.7029°; P Plg0.0073° ,Azm114.7010°
SJA Error ellipse: s-maj=1.6km s-min=2.9km az=-1.0. Hypocentre not reviewed by the ISC.
NEIC Event type se.
VAO Error ellipse: s-maj=3.5km s-min=3.6km az=-1.0.
MOS Error ellipse: s-maj=14.5km s-min=6.9km az=97.4.
GUC Error ellipse: s-maj=1.0km s-min=2.9km az=-1.0.
NEIC Event type se. Moment Tensor Solution.Duration: 1s9 Moment tensor: Scale 10^{16}Nm; M_{rr}5.86 $M_{\theta\theta}$1.15 $M_{\phi\phi}$-7.00 $M_{r\theta}$0.28 $M_{\theta\phi}$1.07 $M_{\phi r}$-0.43 NP1:ϕ_s169.86000°,δ47.10000° ,λ86.17000°. NP2:ϕ_s355.48000°,δ43.03000°,λ94.11000°. Principal axes: T 5.8829,Plg87.0000°,Azm29.0000°; N 1.2747,Plg3.0000°,Azm172.0000° ; P -7.1576,Plg2.0000°,Azm263.0000° $M_0$6.52000×10^{16}
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=6.2km az=93.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}5.02 $M_{\theta\theta}$-0.28 $M_{\phi\phi}$-4.74 $M_{r\theta}$0.29 $M_{\theta\phi}$0.54 $M_{\phi r}$-2.09 NP1:ϕ_s172.79000°,δ56.64000°,λ89.51000°. NP2:ϕ_s353.68000°,δ33.36000° ,λ90.74000°. Principal axes: T 5.4575,Plg78.0000°,Azm81.0000°; N -0.2190,Plg0.0000° ,Azm173.0000°; P -5.2385,Plg12.0000°,Azm263.0000° $M_0$5.35000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s90,c114; s98,c142;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}5.96±.15 $M_{\theta\theta}$0.13±.12; $M_{\phi\phi}$-6.09±.12; $M_{r\theta}$0.51±.09; $M_{\theta\phi}$0.49±.09; $M_{\phi r}$-2.50±.12; Best double couple: NP1:ϕ_s173.00000°,δ56.00000°,λ87.00000°. NP2:ϕ_s358.00000°,δ34.00000°,λ95.00000°. Principal axes: T 6.4840,Plg78.0000° ,Azm71.0000°; N 0.1540,Plg3.0000°,Azm174.0000°; P -6.6380,Plg11.0000°,Azm265.0000° $M_0$6.56100×10^{16}
IDC Error ellipse: s-maj=18.4km s-min=10.7km az=62.0.

(704) Nicobar Islands region

ISC III 14 02 51 18.6–.32 6.16N–.03 92.30E–.03 26–1 5.8b,5.7s 1853 4-169
MOS III 14 02 51 14.2–.93 6.18N 92.25E 10 6.0b,5.6s **¶611832065**
IDC III 14 02 51 14.7–.36 6.21N 92.32E 0 5.7L,5.5s
BJI III 14 02 51 14.2–.00 6.07N 92.26E 15 5.9s,5.7
DJA III 14 02 51 15.6–.10 6N–2.0 92E–2.0 10 6.5,6.2b
BGR III 14 02 51 16.0 6.56N 92.81E 26–0 5.7s,5.7b
NEIC III 14 02 51 16 6.13N 92.32E 12 5.7s,5.7b
NEIC III 14 02 51 16.8–1.4 6.15N–.07 92.30E–.07 10–1 6.0,5.9
NEIC III 14 02 51 17 6.13N 92.32E 10 6.0,5.9
GCMT III 14 02 51 19.8–.10 6.23N 92.17E 17–0 6.0W,5.9
NEIC III 14 02 51 22 6.03N 92.22E 22 6.0W,5.9
KLM III 14 02 51 24 6.03N 92.34E 50 5.8b,5.9
ISC Event type ke. Moment Tensor Solution. NP1:ϕ_s295.45270°,δ57.37120°,λ-134.50633°. NP2: ϕ_s176.70499°,δ53.08561°,λ-42.40647°. Principal axes: T Plg2.4894°,Azm55.1978° ; N Plg36.1825°,Azm323.3755°; P Plg53.7041°,Azm148.5914°
MOS Error ellipse: s-maj=5.7km s-min=3.4km az=113.6.
IDC Error ellipse: s-maj=11.0km s-min=8.5km az=21.0.
BGR Event type ke.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=10.3km az=225.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-2.35 $M_{\theta\theta}$-2.70 $M_{\phi\phi}$5.05 $M_{r\theta}$3.06 $M_{\theta\phi}$-5.44 $M_{\phi r}$-0.79 NP1:ϕ_s292.00000°,δ78.23000°,λ-150.01000°. NP2:ϕ_s195.29000° ,δ60.71000°,λ-13.52000°. Principal axes: T 8.2867,Plg12.0000°,Azm61.0000° ; N -1.4527,Plg58.0000°,Azm311.0000°; P -6.8340,Plg29.0000°,Azm157.0000° $M_0$7.66000×10^{17}
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s157,c334; s164,c581; Duration: 2s3 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.33±.01 $M_{\theta\theta}$-0.54±.01; $M_{\phi\phi}$0.86±.01; $M_{r\theta}$0.08±.01; $M_{\theta\phi}$-0.84±.01; $M_{\phi r}$-0.21±.02; Best double couple: NP1:ϕ_s200.00000°,δ86.00000° ,λ7.00000°. NP2:ϕ_s110.00000°,δ83.00000°,λ176.00000°. Principal axes: T 1.2880,Plg8.0000°,Azm65.0000°; N -0.3580,Plg82.0000°,Azm231.0000° ; P -0.9310,Plg2.0000°,Azm335.0000° $M_0$1.10900×10^{18}
NEIC Event type se. Moment Tensor Solution.Duration: 12s0 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.30 $M_{\theta\theta}$-0.53 $M_{\phi\phi}$0.83 $M_{r\theta}$0.02 $M_{\theta\phi}$-0.81 $M_{\phi r}$0.29 NP1:ϕ_s290.00000°,δ74.00000° ,λ-177.00000°. NP2:ϕ_s199.00000°,δ87.00000°,λ-15.00000°. Principal axes: T 1.2495,Plg9.0000°,Azm245.0000°; N -0.3098,Plg74.0000°,Azm10.0000° ; P -0.9397,Plg13.0000°,Azm153.0000° $M_0$1.13000×10^{18}

(719) Tajikistan-Xinjiang border region

ISC III 14 11 07 11.0–.35 39.12N–.02 73.42E–.02 15–1 5.0b,4.3s 1107 1-168
IDC III 14 11 07 08.4–.42 39.17N 73.48E 0 4.8,4.8b **¶610328153**
MOS III 14 11 07 08.6–1.0 39.04N 73.47E 10 5.2b,4.3s
BJI III 14 11 07 10.7–.00 39.19N 73.51E 12 5.1L,5.0b
KRNET III 14 11 07 10.8–.10 39.31N 73.39E 5.5b,5.0b
BGR III 14 11 07 10.5 39.06N 74.04E 33 4.8b,4.5s
NNC III 14 11 07 13.2–1.6 39.32N 73.69E 0 5.6b,5.2
GCMT III 14 11 07 14.3–.20 39.28N–.01 73.47E–.02 17–1 5.0W,5.2
NEIC III 14 11 07 15.3–1.2 39.25N–.06 73.47E–.06 41–4 5.0b,5.2
ISC Event type ke.
MOS Event type fe. Felt (IV-V) at Bordobo, (III-IV) at Nura, Sary-Tash. Moment Tensor Solution.
BGR Event type ke.
NNC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s37,c42; s98,c143;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.61±.13 $M_{\theta\theta}$-1.59±.13; $M_{\phi\phi}$2.21±.12; $M_{r\theta}$-1.33±.33; $M_{\theta\phi}$-3.34±.10; $M_{\phi r}$0.13±.28; Best double couple: NP1:ϕ_s106.00000°,δ84.00000°,λ-160.00000°. NP2:ϕ_s14.00000°,δ70.00000°,λ-7.00000°. Principal axes: T 4.2820,Plg9.0000° ,Azm239.0000°; N -0.3790,Plg69.0000°,Azm123.0000°; P -3.8980,Plg19.0000° ,Azm332.0000° $M_0$4.09000×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(259) Mindanao

ISC III 14 11 47 52.4–1.0 9.71N–.03 125.42E–.03 16–6 4.6b,3.3s 205 1-146
DJA III 14 11 47 50.5–2.3 10N–5.0 126E–5.0 15–14 5.5b,5.2 **¶610328597**
MAN III 14 11 47 52.6 9.70N 125.38E 7 5.5b,4.8s
BJI III 14 11 47 56.9–.00 9.58N 125.47E 72 5.1b,4.5b
NEIC III 14 11 47 56.4–2.2 9.76N–.07 125.38E–.08 41–7 4.7b,4.5b
IDC III 14 11 47 57.0–2.7 9.77N 125.44E 54–25 4.5L,4.4
ISC Event type fe.
MAN Event type fe.
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=10.1km az=69.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=18.9km s-min=9.8km az=68.0.

(705) Off west coast of northern Sumatera

ISC III 14 13 13 37.0–.23 3.63N–.03 95.81E–.03 45–1 5.4b,4.7s 1525 1-167
BJI III 14 13 13 35.6–.00 3.63N 95.76E 52 5.4b,5.1b **¶611832053**
MOS III 14 13 13 35.7–.96 3.81N 95.91E 39 5.6b,4.9s
BGR III 14 13 13 37.2 3.63N 95.46E 30–0 5.6b,4.9s
DJA III 14 13 13 37.7–.20 4N–1.0 96E–2.0 47–2 5.7b,5.5
IDC III 14 13 13 37.8–1.5 3.80N 95.87E 45–13 5.1,4.9b
NEIC III 14 13 13 38.1 3.64N 95.86E 41 5.1,4.9b
NEIC III 14 13 13 38.1 3.84N 96.26E 40 5.1,4.9b
NEIC III 14 13 13 38.3–2.1 3.64N–.06 95.86E–.07 45–4 5.5b,5.2
GCMT III 14 13 13 40.3–.20 3.59N–.01 95.71E–.01 39–0 5.3W,5.2
ISC Event type ke. Moment Tensor Solution. NP1:ϕ_s129.02403°,δ61.74500°,λ77.18610°. NP2: ϕ_s334.68658°,δ30.80531°,λ112.42474°. Principal axes: T Plg70.4047°,Azm11.1446° ; N Plg11.2657°,Azm135.1696°; P Plg15.8191°,Azm228.4050°
BGR Event type ke.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 1s1.0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.40 $M_{\theta\theta}$-0.97 $M_{\phi\phi}$-2.44 $M_{r\theta}$2.71 $M_{\theta\phi}$2.77 $M_{\phi r}$-5.21 NP1:ϕ_s151.76000°,δ73.23000° ,λ97.24000°. NP2:ϕ_s307.99000°,δ18.23000°,λ67.29000°. Principal axes: T 6.5952,Plg61.0000°,Azm72.0000°; N 1.0333,Plg7.0000°,Azm330.0000° ; P -7.6285,Plg28.0000°,Azm236.0000° $M_0$7.11000×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s73,c113; s110,c175;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.64±.02 $M_{\theta\theta}$-0.20±.01; $M_{\phi\phi}$-0.43±.02; $M_{r\theta}$0.22±.02; $M_{\theta\phi}$0.40±.01; $M_{\phi r}$-0.65±.02; Best double couple: NP1:ϕ_s157.00000°,δ68.00000°,λ102.00000°. NP2:ϕ_s308.00000°,δ25.00000°,λ64.00000°. Principal axes: T 0.9440,Plg65.0000° ,Azm86.0000°; N 0.0550,Plg11.0000°,Azm332.0000°; P -1.0000,Plg22.0000°,Azm238.0000° $M_0$0.97200×10^{17}

(181) Fiji Islands region

ISC III 14 15 03 39.8–.30 15.75S–.05 177.15W–.04 10 5.4s,5.1b 623 5-152
IDC III 14 15 03 38.8–.51 15.56S 177.37W 0 5.1s,5.1L **¶610328617**
BJI III 14 15 03 38.0–.00 15.70S 177.10W 10 5.5b,5.5s
MOS III 14 15 03 39.0–1.1 15.52S 177.29W 13 5.3b,5.2s
NEIC III 14 15 03 40.0–.97 15.7S–.10 177.12W–.08 10–1 5.7,5.4
NEIC III 14 15 03 40 15.47S 177.22W 26 5.7,5.4
NEIC III 14 15 03 40 15.67S 177.12W 26 5.7,5.4
GCMT III 14 15 03 45.0–.10 15.46S–.01 177.16W–.01 15–0 5.7W,5.4
BGR III 14 15 03 45.5 15.51S 175.01W 33 5.7W,5.4
ISC Event type se.
IDC Error ellipse: s-maj=17.8km s-min=12.8km az=142.0.
MOS Error ellipse: s-maj=9.6km s-min=8.2km az=161.4.
NEIC Event type se. Error ellipse: s-maj=19.2km s-min=13.2km az=166.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution.Duration: 3s1 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.13 $M_{\theta\theta}$-1.98 $M_{\phi\phi}$2.10 $M_{r\theta}$0.43 $M_{\theta\phi}$3.13 $M_{\phi r}$-0.47 NP1:ϕ_s343.79000°,δ85.51000° ,λ-171.17000°. NP2:ϕ_s253.10000°,δ81.20000°,λ-4.54000°. Principal axes: T 3.8093,Plg3.0000°,Azm118.0000°; N -0.0392,Plg80.0000°,Azm11.0000° ; P -3.7700,Plg9.0000°,Azm209.0000° $M_0$3.79000×10^{17}
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s120,c218; s159,c333;Duration: 1s6 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.07±.04 $M_{\theta\theta}$-2.14±.04; $M_{\phi\phi}$2.21±.04; $M_{r\theta}$0.13±.11; $M_{\theta\phi}$3.08±.03; $M_{\phi r}$-0.15±.11; Best double couple: NP1:ϕ_s342.00000°,δ89.00000°,λ-177.00000°. NP2:ϕ_s252.00000°,δ87.00000°,λ-1.00000°. Principal axes: T 3.8070,Plg1.0000° ,Azm117.0000°; N -0.0630,Plg87.0000°,Azm7.0000°; P -3.7450,Plg3.0000°,Azm207.0000° $M_0$3.77600×10^{17}
BGR Event type ke.

(178) Kermadec Islands

ISC III 14 18 16 51.9–.23 30.37S–.04 177.41W–.04 33 5.2b,4.8s 652 1-169
BJI III 14 18 16 45.4–.00 30.30S 177.00W 5 5.7b,5.1b **¶611832048**
MOS III 14 18 16 48.4–1.1 30.27S 177.47W 15 5.4b,4.9s
NOU III 14 18 16 50.2 30.83S 176.67W 47 5.3b,4.9s
IDC III 14 18 16 51.0–2.1 30.20S 177.47W 20–12 4.8,4.7b
NEIC III 14 18 16 52.2–1.8 30.30S–.07 177.5W–.10 33–3 5.3b,4.7b
GCMT III 14 18 16 54.2–.20 30.25S–.01 177.24W–.01 28–0 5.3W,4.7b
ISC Event type se.
NOU Kermadec Islands Region.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s72,c96; s103,c160;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.38±.03 $M_{\theta\theta}$0.40±.02; $M_{\phi\phi}$-0.78±.02; $M_{r\theta}$-0.22±.04; $M_{\theta\phi}$-0.31±.02; $M_{\phi r}$0.62±.04; Best double couple: NP1:ϕ_s341.00000°,δ76.00000°,λ53.00000°. NP2:ϕ_s233.00000°,δ39.00000°,λ157.00000°. Principal axes: T 0.8790,Plg46.0000° ,Azm213.0000°; N 0.1960,Plg36.0000°,Azm352.0000°; P -1.0750,Plg22.0000°,Azm98.0000° $M_0$0.97700×10^{17}

(175) South of Tonga Islands

ISC III 14 20 31 30.2–.43 24.61S–.05 175.69W–.06 27–2 5.0b,4.4s 371 5-168
IDC III 14 20 31 26.5–.42 24.58S 176.01W 0 4.6,4.6b **¶610329068**
BJI III 14 20 31 26.0–.00 24.50S 175.70W 5 5.7b,5.3s
NEIC III 14 20 31 27.4–2.0 24.39S–.08 175.57W–.09 10–1 5.1b,5.3s
MOS III 14 20 31 28.3–1.6 24.63S 175.83W 23 5.2b,5.3s
NOU III 14 20 31 28.8 24.46S 175.23W 18 5.1b,5.3s
GCMT III 14 20 31 31.4–.20 24.49S–.02 175.65W–.01 17–1 5.0W,5.3s
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU South of Tonga Islands.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s29,c37; s96,c135;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.76±.13 $M_{\theta\theta}$-2.93±.11; $M_{\phi\phi}$3.68±.12; $M_{r\theta}$-1.07±.32; $M_{\theta\phi}$-0.17±.09; $M_{\phi r}$-0.97±.27; Best double couple: NP1:ϕ_s41.00000°,δ82.00000°,λ-25.00000°. NP2:ϕ_s135.00000°,δ65.00000°,λ-171.00000°. Principal axes: T 3.8820,Plg12.0000° ,Azm90.0000°; N -0.4800,Plg63.0000°,Azm205.0000°; P -3.4080,Plg23.0000° ,Azm355.0000° $M_0$3.64500×10^{16}

(6) Rat Islands

ISC III 15 22 19 43.1–.35 51.27N–.04 179.13E–.02 34–1 5.3b,5.1s 1528 0-151
MOS III 15 22 19 37.5–1.0 51.21N 179.22E 10 5.4b,5.2s **¶610329592**
AEIC III 15 22 19 40.7–1.8 51.07N–.05 179.07E–.08 18–3 5.4b,5.2s
NEIC III 15 22 19 40.5–1.8 51.08N–.05 179.08E–.06 19–1 5.6,5.4b
IDC III 15 22 19 41.9–1.3 51.27N 179.17E 26–7 5.1s,5.0
BJI III 15 22 19 41.1–.00 51.35N 178.88E 31 5.6b,5.5s
NEIC III 15 22 19 42.1 51.20N 179.05E 23 5.6b,5.5s
NEIC III 15 22 19 42.1 51.20N 179.05E 30 5.6b,5.5s
NEIC III 15 22 19 42.1 51.00N 179.21E 30 5.6b,5.5s
GCMT III 15 22 19 43.5–.10 51.20N–.01 179.18E–.01 22–0 5.7W,5.5s
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.27 $M_{\theta\theta}$-1.30 $M_{\phi\phi}$0.03 $M_{r\theta}$0.72 $M_{\theta\phi}$-0.73 $M_{\phi r}$0.81 NP1:ϕ_s265.99000°,δ30.83000°,λ122.31000°. NP2:ϕ_s49.62000°,δ64.33000° ,λ72.31000°. Principal axes: T 1.7131,Plg66.0000°,Azm288.0000°; N 0.2223,Plg16.0000° ,Azm57.0000°; P -1.9354,Plg18.0000°,Azm153.0000° $M_0$1.83000×10^{17}
NEIC Event type se.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 3s1 Moment tensor: Scale 10^{17}Nm; M_{rr}2.20 $M_{\theta\theta}$-2.29 $M_{\phi\phi}$0.09 $M_{r\theta}$1.12 $M_{\theta\phi}$-1.12 $M_{\phi r}$1.28 NP1:ϕ_s51.63000°,δ63.08000° ,λ71.80000°. NP2:ϕ_s267.62000°,δ32.11000°,λ121.60000°. Principal axes: T 2.8683,Plg67.0000°,Azm288.0000°; N 0.3023,Plg16.0000°,Azm60.0000° ; P -3.1707,Plg16.0000°,Azm155.0000° $M_0$3.02000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s132,c257; s163,c343;Duration: 1s7 Moment tensor: Scale 10^{17}Nm; M_{rr}2.59±.04 $M_{\theta\theta}$-2.62±.04; $M_{\phi\phi}$0.03±.03; $M_{r\theta}$1.96±.07; $M_{\theta\phi}$-1.27±.02; $M_{\phi r}$2.03±.07; Best double couple: NP1:ϕ_s51.00000°,δ68.00000°,λ74.00000°.

NP2:ϕs268.00000°,δ27.00000°,λ124.00000°. Principal axes: T 3.9230,Plg63.0000° ,Azm295.0000°; N 0.2330,Plg15.0000°,Azm57.0000°; P -4.1570,Plg22.0000°,Azm153.0000° M0 4.04000×10^{17}

(173) Tonga Islands
ISC III 16 06 30 42.7–.31 20.47S–.07 173.26W–.05 10 5.1b,4.3s 239 3-171
BJI III 16 06 30 42.4–.00 20.19S 173.01W 14 5.6b,5.0b ¶610329824
IDC III 16 06 30 42.6–.53 20.25S 173.75W 0 4.8L,4.6
NEIC III 16 06 30 42.2–1.3 20.44S–.07 173.13W–.07 10–1 5.2b,4.6
GCMT III 16 06 30 48.2–.20 20.34S–.02 173.15W–.01 17–0 5.0W,4.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s43,c53; s112,c151;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr3.46±.15 Mθθ-0.51±.10; Mϕϕ-2.95±.10; Mrθ0.95±.28; Mθϕ-0.71±.06; Mϕr1.08±.22; Best double couple: NP1:ϕs24.00000°,δ56.00000°,λ100.00000°. NP2:ϕs187.00000°,δ35.00000°,λ76.00000°. Principal axes: T 3.7980,Plg76.0000° ,Azm325.0000°; N -0.4070,Plg8.0000°,Azm199.0000°; P -3.3920,Plg11.0000° ,Azm107.0000° M0 3.59500×10^{16}

(284) South of Bali
ISC III 16 18 39 26.3–.35 11.65S–.03 114.59E–.04 19–1 5.4b,4.6s 1257 3-171
IDC III 16 18 39 23.5–.38 11.54S 114.60E 0 5.1,5.1b ¶610330702
MOS III 16 18 39 23.8–1.1 11.45S 114.61E 10 5.6b,4.6s
DJA III 16 18 39 24.4–.10 12S–1.0 114E–1.0 10 5.9,5.6b
BJI III 16 18 39 24.0–.00 11.70S 114.60E 10 5.3b,5.2b
KLM III 16 18 39 24 11.47S 115.05E 10 5.5b,5.2b
NEIC III 16 18 39 25 11.61S 114.57E 30 5.5b,5.2b
NEIC III 16 18 39 25 11.91S 114.47E 30 5.5b,5.2b
NEIC III 16 18 39 26.3–2.9 11.54S–.08 114.57E–.08 10–1 5.5b,5.5
GCMT III 16 18 39 27.3–.10 11.73S–.01 114.62E–.01 12 5.3W,5.5
ISC Event type se.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 3s0 Moment tensor: Scale 10^{17}Nm; Mrr-2.35 Mθθ2.40 Mϕϕ-0.05 Mrθ0.16 Mθϕ0.06 Mϕr0.28 NP1:ϕs261.92000°,δ47.45000° ,λ-99.16000°. NP2:ϕs95.34000°,δ43.34000°,λ-80.16000°. Principal axes: T 2.4051,Plg2.0000°,Azm358.0000°; N -0.0163,Plg7.0000°,Azm268.0000° ; P -2.3888,Plg83.0000°,Azm105.0000° M0 2.40000×10^{17}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s104,c172; s123,c248;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; Mrr-1.03±.02 Mθθ1.38±.01; Mϕϕ-0.34±.02; Mrθ0.53±.04; Mθϕ0.06±.01; Mϕr-0.15±.05; Best double couple: NP1:ϕs278.00000°,δ58.00000°,λ-77.00000°. NP2:ϕs75.00000°,δ35.00000°,λ-110.00000°. Principal axes: T 1.4920,Plg12.0000° ,Azm359.0000°; N -0.3120,Plg11.0000°,Azm91.0000°; P -1.1730,Plg74.0000° ,Azm223.0000° M0 1.33200×10^{17}

(353) Southern Iran
ISC III 17 00 02 57.7–.77 29.59N–.03 51.56E–.03 17–5 4.3b,3.4s 444 0-95
IDC III 17 00 02 54.5–.66 29.54N 51.50E 0 4.0,4.0b ¶610331465
ISN III 17 00 02 54.3–1.3 29.38N 51.51E 9–387 4.3L,4.0b
MOS III 17 00 02 56.4–1.4 29.48N 51.55E 24 4.4b,4.0b
TEH III 17 00 02 56.7 29.67N 51.49E 12–11 4.3L,4.0b
NEIC III 17 00 02 59.9–2.4 29.51N–.08 51.54E–.08 29–6 4.3b,4.0b
DSN III 17 00 02 59.2–.65 29.46N 51.53E 15 5.0b,4.1L
GII III 17 00 03 00.7–.00 29.71N 51.62E 20 5.0b,4.1L
OMAN III 17 00 03 01.8–.32 29.48N 51.72E 25 5.5b,4.3L
BGR III 17 00 03 12.8 30.64N 50.70E 33 4.4b,4.3L
ISC Event type ke.
IDC Error ellipse: s-maj=15.7km s-min=12.0km az=0.0.
ISN Error ellipse: s-maj=262.6km s-min=393.7km az=-1.0.
MOS Error ellipse: s-maj=6.8km s-min=4.2km az=113.5.
TEH Error ellipse: s-maj=0.8km s-min=0.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=12.2km s-min=9.8km az=166.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DSN Error ellipse: s-maj=10.7km s-min=6.1km az=32.0.
GII Event type ke.
OMAN Error ellipse: s-maj=6.0km s-min=3.9km az=5.0.
BGR Event type ke.

(179) South of Kermadec Islands
ISC III 19 11 38 14.2–.24 33.21S–.04 178.95W–.05 35–2 5.2b,4.1s 500 4-173
NOU III 19 11 38 04.8 33.88S 176.91W 102 5.1b,4.1s ¶615092531
WEL III 19 11 38 11.4–1.3 33S–10 178W–29 33 5.8b,5.7L
MOS III 19 11 38 13.2–1.0 33.11S 179.20W 31 5.3b,5.7L
NEIC III 19 11 38 15.0–2.2 33.15S–.07 179.1W–.10 33–2 5.2b,5.7L
GCMT III 19 11 38 17.0–.30 33.16S–.02 179.08W–.03 49–1 4.9W,5.7L
IDC III 19 11 38 19.0–1.6 33.13S 179.17W 72–13 4.7,4.4b
ISC Event type se. Moment Tensor Solution. NP1:ϕs46.64714°,δ16.87891°,λ125.14898°. NP2: ϕs190.30199°,δ76.26645°,λ80.09149°. Principal axes: T Plg57.6202°,Azm87.1693° ; N Plg9.6225°,Azm192.6767°; P Plg30.5821°,Azm288.4271°
NOU South of Kermadec Islands.
WEL Error ellipse: s-maj=0.0km s-min=0.0km az=107.6. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
MOS Error ellipse: s-maj=13.5km s-min=12.3km az=96.1.
NEIC Event type se. Error ellipse: s-maj=16.6km s-min=10.0km az=105.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s45,c51; s59,c78;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr2.60±.18 Mθθ-1.35±.14; Mϕϕ-1.25±.12; Mrθ-0.53±.11; Mθϕ-1.67±.08; Mϕr-1.19±.09; Best double couple: NP1:ϕs216.00000°,δ58.00000°,λ78.00000°. NP2:ϕs57.00000°,δ34.00000°,λ108.00000°. Principal axes: T 2.9390,Plg74.0000° ,Azm93.0000°; N 0.2860,Plg10.0000°,Azm222.0000°; P -3.2250,Plg12.0000°,Azm314.0000° M0 3.08200×10^{16}
IDC Error ellipse: s-maj=14.7km s-min=11.7km az=10.0.

(193) Bougainville-Solomon Islands region
ISC III 19 15 43 30.0–.42 8.18S–.03 160.81E–.03 33–1 5.9s,5.5b 1202 2-166
IDC III 19 15 43 27.0–.36 8.06S 160.95E 0 5.7s,5.0 ¶615092532
MOS III 19 15 43 25.5–1.1 8.14S 160.73E 19 5.8s,5.6b
NEIC III 19 15 43 25.7–1.9 8.14S–.07 160.75E–.08 8–3 6.0,5.9
NEIC III 19 15 43 25.4 8.05S 161.04E 16 6.0,5.9
NEIC III 19 15 43 25.4 8.15S 160.74E 16 6.0,5.9
NEIC III 19 15 43 26 8.13S 160.75E 10 6.0,5.9
BJI III 19 15 43 28.3–.00 8.24S 160.85E 40 5.9s,5.7
GCMT III 19 15 43 30.7–.10 8.02S 161.07E 12 6.0W,5.7
ISC Event type se.
IDC Error ellipse: s-maj=10.2km s-min=9.1km az=95.0.
MOS Error ellipse: s-maj=7.0km s-min=5.5km az=91.4.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=9.4km az=107.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; Mrr6.57 Mθθ-4.37 Mϕϕ-2.20 Mrθ-5.61 Mθϕ3.40 Mϕr4.15 NP1:ϕs125.85000°,δ21.95000°,λ89.46000°. NP2:ϕs306.43000°,δ68.05000° ,λ90.22000°. Principal axes: T 9.5444,Plg67.0000°,Azm217.0000°; N 0.2856,Plg0.0000° ,Azm126.0000°; P -9.8300,Plg23.0000°,Azm36.0000° M0 9.69000×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 5s0 Moment tensor: Scale 10^{18}Nm; Mrr1.24 Mθθ-0.58 Mϕϕ-0.65 Mrθ-0.60 Mθϕ0.53 Mϕr0.46 NP1:ϕs312.21000°,δ61.22000° ,λ85.71000°. NP2:ϕs141.05000°,δ29.07000°,λ97.75000°. Principal axes: T 1.4620,Plg73.0000°,Azm212.0000°; N -0.1001,Plg4.0000°,Azm314.0000° ; P -1.3619,Plg16.0000°,Azm45.0000° M0 1.41000×10^{18}
NEIC Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s164,c336; s170,c584; Duration: 2s3 Moment tensor: Scale 10^{18}Nm; Mrr0.99±.01 Mθθ-0.47±.01; Mϕϕ-0.51±.01; Mrθ-0.29±.01; Mθϕ0.49±.00; Mϕr0.35±.01; Best double couple: NP1:ϕs318.00000°,δ57.00000° ,λ92.00000°. NP2:ϕs134.00000°,δ33.00000°,λ87.00000°. Principal axes: T 1.0850,Plg78.0000°,Azm235.0000°; N -0.0050,Plg2.0000°,Azm137.0000° ; P -1.0800,Plg12.0000°,Azm47.0000° M0 1.08300×10^{18}

(351) Eastern Arabian Peninsula
ISC III 19 22 36 34.2–.62 29.92N–.05 47.99E–.04 10 3.5b 101 2-87
IDC III 19 22 36 34.8–1.5 30.08N 47.81E 0 3.6,3.6b ¶610546542
TEH III 19 22 36 34.1 30.00N 47.98E 14–48 3.5L,3.6b
OMAN III 19 22 36 42.0–.42 29.47N 48.21E 10 5.7b,3.6b
DSN III 19 22 36 43.3–1.2 29.67N 48.53E 15 3.7L,3.6b
ISN III 19 22 36 45.2–2.7 30.77N 48.14E 18–17 3.6L,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=32.9km s-min=19.7km az=174.0.
TEH Error ellipse: s-maj=2.0km s-min=4.3km az=-1.0.
OMAN Error ellipse: s-maj=17.6km s-min=5.1km az=24.0.
DSN Error ellipse: s-maj=29.6km s-min=8.3km az=16.0.
ISN Error ellipse: s-maj=12.2km s-min=25.4km az=-1.0.

(274) Southern Sumatera
ISC III 20 22 05 08.4–.98 2.04S–.06 99.58E–.07 35 3.4b 16 1-145
IDC III 20 22 05 06.0–3.9 1.56S 100.33E 0 3.4,3.4b ¶610543359
DJA III 20 22 05 07.8–1.1 2S–4.0 100E–5.0 19–15 5.6b,5.1
ISC Event type ke.

(102) Near west coast of Colombia
ISC III 21 08 31 19.9–.69 6.16N–.02 77.65W–.03 11–4 5.0b,4.0s 1076 1-155
IDC III 21 08 31 18.1–.43 6.06N 77.60W 0 4.7,4.7b ¶610394260
RSNC III 21 08 31 19.5–1.4 6.14N 77.76W 1–6 4.9W,4.3L
NEIC III 21 08 31 21.0–2.2 6.29N–.06 77.52W–.06 7–4 5.0b,4.3L
VAO III 21 08 31 20.1–.29 5.99N 77.46W 10 4.9b,4.3L
UPA III 21 08 31 21.4–2.0 6.28N 77.62W 18 4.9W,4.3L
MOS III 21 08 31 21.2–1.2 6.12N 77.70W 27 5.2b,4.3L
BJI III 21 08 31 22.0–.00 6.20N 77.50W 12 5.6b,5.2s
GCMT III 21 08 31 25.0–.30 6.22N–.02 77.61W–.02 15 5.0W,5.2s
BGR III 21 08 31 26.1 5.90N 76.75W 33 5.1b,4.4s
ISC Event type ke.
IDC Error ellipse: s-maj=14.6km s-min=9.4km az=55.0.
RSNC Error ellipse: s-maj=2.9km s-min=5.3km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=7.9km az=46.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Error ellipse: s-maj=3.4km s-min=5.1km az=-1.0.
UPA Error ellipse: s-maj=9.4km s-min=9.1km az=-1.0.
MOS Error ellipse: s-maj=10.3km s-min=5.9km az=113.5.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s23,c26; s86,c102;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr1.78±.08 Mθθ-0.20±.07; Mϕϕ-1.58±.07; Mrθ0.80±.29; Mθϕ0.76±.05; Mϕr-4.03±.27; Best double couple: NP1:ϕs168.00000°,δ78.00000°,λ95.00000°. NP2:ϕs324.00000°,δ13.00000°,λ67.00000°. Principal axes: T 4.4800,Plg57.0000° ,Azm84.0000°; N 0.0500,Plg5.0000°,Azm347.0000°; P -4.5340,Plg33.0000°,Azm253.0000° M0 4.50700×10^{16}
BGR Event type ke.

(717) Afghanistan-Tajikistan border region
ISC III 22 11 27 02.5–.39 37.55N–.03 72.03E–.02 11–2 4.9b,4.2s 894 2-136
NNC III 22 11 26 58.1–9.2 37.34N 71.64E 0 5.6b,5.3 ¶611832109
IDC III 22 11 27 01.0–.37 37.65N 72.18E 0 4.7,4.7b
MOS III 22 11 27 00.1–1.1 37.39N 72.02E 13 5.0b,4.4s
NEIC III 22 11 27 01.9–1.1 37.50N–.07 71.95E–.05 10–3 5.1b,4.9
NEIC III 22 11 27 02.8 37.68N 71.94E 10 5.1b,4.9
GCMT III 22 11 27 03.9–.20 37.66N–.01 72.01E–.02 30–1 5.1W,4.9
ISC Event type se.
NNC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; Mrr-0.01 Mθθ-2.55 Mϕϕ2.56 Mrθ0.86 Mθϕ0.35 Mϕr0.64 NP1:ϕs319.23000°,δ67.57000°,λ-178.65000°. NP2:ϕs228.71000°,δ88.75000° ,λ-22.43000°. Principal axes: T 2.7627,Plg15.0000°,Azm276.0000°; N 0.0523,Plg68.0000° ,Azm46.0000°; P -2.8149,Plg17.0000°,Azm182.0000° M0 2.79000×10^{16}
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s31,c36; s116,c175;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr-0.61±.24 Mθθ-4.23±.17; Mϕϕ4.84±.17; Mrθ-0.56±.26; Mθϕ2.53±.13; Mϕr-1.43±.24; Best double couple: NP1:ϕs240.00000°,δ82.00000°,λ11.00000°. NP2:ϕs149.00000°,δ79.00000°,λ172.00000°. Principal axes: T 5.8570,Plg13.0000° ,Azm105.0000°; N -0.9630,Plg76.0000°,Azm274.0000°; P -4.8960,Plg3.0000°,Azm14.0000° M0 5.37700×10^{16}

(197) Near north coast of Irian Jaya
ISC III 24 11 00 15.1–1.0 2.37S–.08 138.99E–.07 35 3.6b 12 0-79
DJA III 24 11 00 07.5–1.4 1S–13 139E–9.0 10 5.6b,5.0 ¶610543592
IDC III 24 11 00 09.7–4.3 2.05S 139.19E 0 4.1L,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=189.4km s-min=24.4km az=88.0.

(347) Western Iran
ISC III 24 13 39 52.8–.52 33.77N–.03 46.85E–.03 9–3 4.4b,3.9s 441 1-100
DSN III 24 13 39 52.4–4.9 33.91N 46.75E 10 4.1s,3.9s ¶610434682
ISN III 24 13 39 52.7–1.2 33.92N 46.77E 6–5 4.4L,3.9s
MOS III 24 13 39 52.1–1.1 33.71N 46.82E 15 4.6b,3.9s
TEH III 24 13 39 53.4 33.94N 46.85E 11–28 4.1L,3.9s
NEIC III 24 13 39 53.9–2.2 33.86N–.08 46.94E–.07 10–1 4.6b,3.9s
IDC III 24 13 39 58.0–1.7 33.73N 46.86E 48–16 4.2,4.0b
SGS III 24 13 40 00.4 33.68N 46.50E 6 4.7L,4.0b
OMAN III 24 13 40 01.8–.42 33.37N 47.32E 10 5.8b,4.2s
GII III 24 13 40 04.6–.00 33.77N 46.79E 10 5.8b,4.2s
ISC Event type ke.
DSN Error ellipse: s-maj=57.0km s-min=12.8km az=158.0.
ISN Error ellipse: s-maj=3.3km s-min=8.2km az=-1.0.
MOS Error ellipse: s-maj=7.5km s-min=4.4km az=110.9.
TEH Error ellipse: s-maj=2.0km s-min=2.3km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=15.7km s-min=6.1km az=31.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=15.0km s-min=10.2km az=151.0.
OMAN Error ellipse: s-maj=15.4km s-min=6.3km az=232.0.
GII Event type ke.

(270) Ceram Sea
ISC III 24 23 50 54.1–.99 3.10S–.07 129.00E–.06 33 20 0-64
IDC III 24 23 50 50.5–2.0 3.19S 129.08E 0 3.9,3.8L ¶610543622
DJA III 24 23 50 52.7–.40 3S–3.0 129E–2.0 12–4 5.8b,5.4
ISC Event type ke.

(201) Irian Jaya
ISC III 25 14 57 26.1–.29 3.06S–.03 136.86E–.03 28–1 5.6b,5.1s 1190 1-165
BJI III 25 14 57 19.3–.00 3.38S 137.37E 20 5.5b,5.3b ¶610435114
KLM III 25 14 57 22 3.15S 137.28E 10 5.6b,5.3b
MOS III 25 14 57 23.8–.97 3.06S 136.84E 24 5.7b,5.2s
DJA III 25 14 57 26.8–.20 3S–2.0 137E–1.0 35–2 6.0,5.9b
NEIC III 25 14 57 27.8–1.7 3.05S–.08 136.87E–.07 34–3 5.6b,5.5
NEIC III 25 14 57 27.8 3.05S 136.87E 34 5.6b,5.5
NEIC III 25 14 57 27.2 3.05S 136.86E 36 5.6b,5.5
NEIC III 25 14 57 27.2 2.95S 136.86E 36 5.6b,5.5
IDC III 25 14 57 28.6–1.8 3.05S 136.87E 48–17 5.4,5.1b
GCMT III 25 14 57 30.8–.10 2.86S–.01 136.93E–.01 47–0 5.6W,5.1b
ISC Event type se. Moment Tensor Solution. NP1:ϕs125.06832°,δ30.50538°,λ157.43784°. NP2: ϕs234.76439°,δ78.76894°,λ61.45033°. Principal axes: T Plg48.3269°,Azm114.2155° ; N Plg27.9544°,Azm240.8133°; P Plg28.1323°,Azm347.2972°
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; Mrr0.52 Mθθ-1.26 Mϕϕ0.73 Mrθ-0.84 Mθϕ0.27 Mϕr-0.32 NP1:ϕs138.91000°,δ41.95000°,λ159.46000°. NP2:ϕs244.48000°,δ76.44000° ,λ49.91000°. Principal axes: T 1.2013,Plg44.0000°,Azm115.0000°; N 0.3997,Plg39.0000° ,Azm256.0000°; P -1.6009,Plg21.0000°,Azm4.0000° M0 1.44000×10^{17}
NEIC Event type se.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 3s0 Moment tensor: Scale 10^{17}Nm; Mrr0.92 Mθθ-2.28 Mϕϕ1.35 Mrθ-1.08 Mθϕ1.12 Mϕr-0.56 NP1:ϕs247.36000°,δ76.30000° ,λ36.39000°. NP2:ϕs147.46000°,δ54.81000°,λ163.16000°. Principal axes: T 2.2607,Plg35.0000°,Azm113.0000°; N 0.5554,Plg51.0000°,Azm265.0000° ; P -2.8161,Plg14.0000°,Azm13.0000° M0 2.54000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s135,c252; s149,c289;Duration: 1s6 Moment tensor: Scale 10^{17}Nm; Mrr1.49±.04 Mθθ-3.58±.04; Mϕϕ2.10±.04; Mrθ-1.80±.05;

Mθϕ1.14±.03; Mϕr0.02±.05; Best double couple: NP1:ϕs243.00000°,δ81.00000°,λ35.00000°. NP2:ϕs147.00000°,δ55.00000°,λ169.00000°. Principal axes: T 2.5130,Plg31.0000° ,Azm111.0000°; N 1.8380,Plg54.0000°,Azm255.0000°; P -4.3400,Plg17.0000°,Azm10.0000° M0 3.42600$\times10^{17}$

(5) Near Islands

ISC III 27 10 50 20.9–.33 52.66N–.03 172.20E–.02 25–1 6.1s,5.9b 2907 1-162
IDC III 27 10 50 16.6–.34 52.72N 172.27E 0 5.9s,5.6 **¶611832141**
AEIC III 27 10 50 18.9–3.2 52.52N–.09 172.16E–.08 20–3 5.9s,5.6
KRSC III 27 10 50 18.0–2.1 52.44N 171.99E 60–46 6.3L,5.6
BJI III 27 10 50 18.3–.00 52.72N 172.11E 10 6.4s,6.2
NEIC III 27 10 50 19.2 52.77N 172.22E 10 6.4s,6.2
NEIC III 27 10 50 19.3 52.79N 172.20E 10 6.4s,6.2
NEIC III 27 10 50 19 52.80N 172.20E 12 6.4s,6.2
MOS III 27 10 50 20.7–1.1 52.68N 172.13E 40 6.1s,6.0b
NEIC III 27 10 50 20.2–2.1 52.76N–.08 172.26E–.08 20–1 6.2,6.1
NEIC III 27 10 50 24 52.70N 172.03E 26 6.2,6.1
GCMT III 27 10 50 24.2–.10 52.71N 172.24E 29–0 6.2W,6.1
NEIC III 27 10 50 33.2 52.57N 172.18E 29 6.2W,6.1
ISC Event type se. Moment Tensor Solution. NP1:ϕs77.30060°,δ59.72219°,λ45.99105°. NP2: ϕs319.73856°,δ51.60191°,λ139.95882°. Principal axes: T Plg52.7231°,Azm293.0938° ; N Plg36.8697°,Azm103.2688°; P Plg4.7427°,Azm196.8362° Moment Tensor Solution. NP1: ϕs233.80562°,δ12.37865°,λ105.24061°. NP2:ϕs38.21971°,δ78.06323°,λ86.69805°. Principal axes: T Plg56.8163°,Azm303.9522°; N Plg3.2305°,Azm38.9034°; P Plg32.9847° ,Azm131.0027°
IDC Error ellipse: s-maj=12.2km s-min=7.5km az=168.0.
AEIC Event type se. Error ellipse: s-maj=13.0km s-min=7.0km az=174.0. hypocenter. manual.
KRSC Event type se.
NEIC Event type se.
NEIC Event type se.
NEIC Event type se.
MOS Error ellipse: s-maj=5.8km s-min=3.7km az=128.9.
NEIC Event type se. Error ellipse: s-maj=13.9km s-min=7.9km az=184.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; Mrr0.89 Mθθ-1.29 Mϕϕ0.40 Mrθ1.00 Mθϕ-0.08 Mϕr0.67 NP1:ϕs295.76000°,δ29.56000°,λ139.10000°. NP2:ϕs62.76000°,δ71.16000° ,λ66.80000°. Principal axes: T 1.5828,Plg58.0000°,Azm302.0000°; N 0.1493,Plg22.0000° ,Azm71.0000°; P -1.7321,Plg23.0000°,Azm170.0000° M0 1.66000$\times10^{18}$
NEIC Event type se. Moment Tensor Solution.Duration: 10s0 Moment tensor: Scale 10^{18}Nm; Mrr1.05 Mθθ-1.19 Mϕϕ0.14 Mrθ1.83 Mθϕ0.13 Mϕr0.80 NP1:ϕs297.00000°,δ19.00000° ,λ134.00000°. NP2:ϕs71.00000°,δ76.00000°,λ77.00000°. Principal axes: T 2.3351,Plg56.0000°,Azm324.0000°; N -0.0871,Plg13.0000°,Azm74.0000° ; P -2.2480,Plg30.0000°,Azm172.0000° M0 2.29000$\times10^{18}$
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s168,c409; s170,c605; Duration: 3s2 Moment tensor: Scale 10^{18}Nm; Mrr1.17±.01 Mθθ-1.73±.01; Mϕϕ0.56±.01; Mrθ1.92±.03; Mθϕ0.00±.01; Mϕr1.27±.02; Best double couple: NP1:ϕs62.00000°,δ76.00000° ,λ69.00000°. NP2:ϕs300.00000°,δ25.00000°,λ146.00000°. Principal axes: T 2.7380,Plg54.0000°,Azm306.0000°; N 0.0510,Plg20.0000°,Azm67.0000° ; P -2.7890,Plg28.0000°,Azm168.0000° M0 2.76300$\times10^{18}$
NEIC Event type se. Moment Tensor Solution.Duration: 6s4 Moment tensor: Scale 10^{18}Nm; Mrr1.13 Mθθ-1.63 Mϕϕ0.51 Mrθ0.94 Mθϕ0.04 Mϕr0.76 NP1:ϕs299.77000°,δ35.52000° ,λ139.85000°. NP2:ϕs64.24000°,δ68.00000°,λ61.38000°. Principal axes: T 1.8322,Plg57.0000°,Azm296.0000°; N 0.1062,Plg26.0000°,Azm76.0000° ; P -1.9385,Plg18.0000°,Azm175.0000° M0 1.89000$\times10^{18}$

(223) Eastern Sea of Japan

ISC III 27 22 31 23.6–.22 42.03N–.03 138.67E–.02 21–2 5.5b,4.7s 1607 1-164
BJI III 27 22 31 18.1–.00 42.13N 139.09E 28 5.3b,5.1b **¶611832139**
IDC III 27 22 31 19.9–.35 42.05N 138.47E 0 4.9,4.9b
NEIC III 27 22 31 21.8 42.04N 138.55E 12 4.9,4.9b
NEIC III 27 22 31 21.1–1.6 42.04N–.06 138.55E–.08 5–3 5.6b,5.1
NEIC III 27 22 31 21.8 42.04N 138.55E 12 5.6b,5.1
NEIC III 27 22 31 21.8 42.04N 138.55E 10 5.6b,5.1
JMA III 27 22 31 23.3–.22 42.0N–.50 139E–1.0 31–1 5.1W,5.0
NIED III 27 22 31 23.3 42.01N 138.70E 31 5.1W,5.0
SKHL III 27 22 31 24.7–.40 42.20N 138.50E 40–5 5.3,5.3b
MOS III 27 22 31 24.6–1.2 42.05N 138.43E 39 5.6b,5.0s
GCMT III 27 22 31 25.0–.10 42.07N–.01 138.38E–.02 12 5.2W,5.0s
BGR III 27 22 31 28.0 42.06N 138.51E 30–1 5.1b,5.0s
ISC Event type ke. Moment Tensor Solution. NP1:ϕs82.30964°,δ60.25698°,λ110.26226°. NP2: ϕs225.65622°,δ35.45919°,λ58.77987°. Principal axes: T Plg67.9356°,Azm32.9943° ; N Plg17.4993°,Azm251.9312°; P Plg13.0120°,Azm157.7530°
IDC Error ellipse: s-maj=12.1km s-min=9.5km az=85.0.
NEIC Event type se. Moment Tensor Solution.Duration: 1s9 Moment tensor: Scale 10^{16}Nm; Mrr5.53 Mθθ-4.05 Mϕϕ-1.48 Mrθ-0.15 Mθϕ-2.92 Mϕr-2.30 NP1:ϕs219.95000°,δ54.31000° ,λ68.80000°. NP2:ϕs73.56000°,δ40.78000°,λ116.72000°. Principal axes: T 6.2693,Plg71.0000°,Azm77.0000°; N -0.1455,Plg17.0000°,Azm233.0000° ; P -6.1238,Plg7.0000°,Azm325.0000° M0 6.20000$\times10^{16}$
NEIC Event type se. Error ellipse: s-maj=8.7km s-min=7.8km az=139.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; Mrr2.81 Mθθ-1.48 Mϕϕ-1.33 Mrθ1.66 Mθϕ-1.37 Mϕr0.86 NP1:ϕs218.22000°,δ29.12000°,λ75.07000°. NP2:ϕs55.20000°,δ61.95000° ,λ98.17000°. Principal axes: T 3.4112,Plg72.0000°,Azm344.0000°; N -0.0949,Plg7.0000° ,Azm231.0000°; P -3.3163,Plg17.0000°,Azm139.0000° M0 3.36000$\times10^{16}$
NEIC Event type se.
NEIC Event type se.
JMA Event type fe. SW OFF HOKKAIDO .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; Mrr3.74 Mθθ-2.62 Mϕϕ-1.12 Mrθ2.15 Mθϕ-1.76 Mϕr1.82 NP1:ϕs53.00000°,δ63.00000°,λ86.00000°. NP2:ϕs241.00000° ,δ27.00000°,λ97.00000°. M0 4.70000$\times10^{16}$
MOS Error ellipse: s-maj=5.4km s-min=3.8km az=116.2.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s88,c122; s134,c225;Duration: 1s0 Moment tensor: Scale 10^{16}Nm; Mrr6.80±.11 Mθθ-4.28±.11; Mϕϕ-2.52±.11; Mrθ-1.12±.31; Mθϕ-3.76±.09; Mϕr-3.25±.37; Best double couple: NP1:ϕs218.00000°,δ58.00000°,λ74.00000°. NP2:ϕs65.00000°,δ35.00000°,λ113.00000°. Principal axes: T 7.8220,Plg72.0000° ,Azm89.0000°; N 0.0290,Plg13.0000°,Azm226.0000°; P -7.8510,Plg11.0000°,Azm319.0000° M0 7.83600$\times10^{16}$
BGR Event type ke.

(263) Talaud Islands

ISC III 28 08 35 01.3–.94 4.91N–.04 126.89E–.07 59–10 4.3b,3.1s 78 2-95
MAN III 28 08 34 58.6 4.96N 127.00E 68 5.1b,4.1s **¶610543839**
IDC III 28 08 34 59.4–1.5 4.90N 126.84E 44–15 4.1,4.0L
NEIC III 28 08 35 01.4–2.1 4.99N–.07 127.0E–.10 58–8 4.4b,4.0L
DJA III 28 08 35 02.1–.50 5N–5.0 127E–4.0 60–20 5.5b,5.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(173) Tonga Islands

ISC III 28 16 01 02.8–.48 21.20S–.05 173.83W–.05 9–2 5.2b,4.7s 639 4-171
NOU III 28 16 01 00.6 21.43S 173.64W 0 5.2b,4.7s **¶610440800**
BJI III 28 16 01 01.6–.00 21.03S 173.59W 9 5.6b,5.2b
NEIC III 28 16 01 02.2–1.8 21.16S–.09 173.62W–.08 10–1 5.3b,5.2b
IDC III 28 16 01 02.5–.36 21.24S 174.20W 0 4.8,4.8b
MOS III 28 16 01 06.4–1.3 21.16S 174.25W 33 5.4b,4.8b
GCMT III 28 16 01 07.2–.20 21.47S–.02 173.63W–.01 13–0 5.1W,4.8b
ISC Event type se.
NOU Tonga Islands.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s64,c92; s125,c197;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr4.67±.15 Mθθ-0.81±.10; Mϕϕ-3.86±.10; Mrθ1.27±.24; Mθϕ-1.62±.06; Mϕr1.38±.21; Best double couple: NP1:ϕs30.00000°,δ56.00000°,λ98.00000°. NP2:ϕs197.00000°,δ35.00000°,λ79.00000°. Principal axes: T 5.0690,Plg78.0000° ,Azm326.0000°; N -0.1780,Plg6.0000°,Azm206.0000°; P -4.8900,Plg11.0000° ,Azm115.0000° M0 4.98000$\times10^{16}$

(218) Near east coast of Kamchatka Peninsula

ISC III 29 04 09 23.8–.23 56.85N–.02 162.74E–.02 18–0 6.6s,6.5b 3611 1-166
IDC III 29 04 09 21.0–.32 56.89N 162.77E 0 6.4s,5.9 **¶610441408**
BJI III 29 04 09 21.0–.00 56.88N 162.82E 20 7.1,7.1s
KRSC III 29 04 09 22.3–1.6 56.97N 163.22E 43–18 7.2,6.8L
NEIC III 29 04 09 24.2 56.94N 162.72E 18 7.2,6.8L
NEIC III 29 04 09 24.2 56.94N 162.72E 24 7.2,6.8L
NEIC III 29 04 09 24.2 57.04N 162.90E 24 7.2,6.8L
MOS III 29 04 09 24.5–.95 57.04N 162.84E 31 6.8s,6.6b
NEIC III 29 04 09 24.2–1.5 56.94N–.06 162.8E–.10 17–1 6.6,6.6
BGR III 29 04 09 28.5 57.04N 162.62E 27–2 6.9,6.6s
GCMT III 29 04 09 30.2–.00 57.00N 163.15E 17–0 6.6W,6.6s
ISC Event type ke. Moment Tensor Solution. NP1:ϕs227.54683°,δ52.10078°,λ108.78821°. NP2: ϕs18.56822°,δ41.66486°,λ67.52366°. Principal axes: T Plg74.2804°,Azm194.7482° ; N Plg14.7228°,Azm35.7433°; P Plg5.3871°,Azm304.3234°
IDC Error ellipse: s-maj=10.4km s-min=8.4km az=2.0.
KRSC Event type se.
NEIC Event type se.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 9s5 Moment tensor: Scale 10^{18}Nm; Mrr8.99 Mθθ-1.87 Mϕϕ-7.12 Mrθ0.61 Mθϕ-3.44 Mϕr1.78 NP1:ϕs24.83000°,δ50.92000° ,λ88.16000°. NP2:ϕs207.75000°,δ39.11000°,λ92.26000°. Principal axes: T 9.1931,Plg84.0000°,Azm282.0000°; N -0.1772,Plg1.0000°,Azm26.0000° ; P -9.0159,Plg6.0000°,Azm116.0000° M0 9.10000$\times10^{18}$
MOS Error ellipse: s-maj=5.9km s-min=3.0km az=80.2.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=10.0km az=18.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; Mrr4.42 Mθθ-0.13 Mϕϕ-4.29 Mrθ-0.79 Mθϕ-1.64 Mϕr-1.49 NP1:ϕs202.46000°,δ54.96000°,λ93.98000°. NP2:ϕs15.56000°,δ35.24000° ,λ84.35000°. Principal axes: T 4.7230,Plg80.0000°,Azm128.0000°; N 0.4278,Plg3.0000° ,Azm20.0000°; P -5.1508,Plg10.0000°,Azm290.0000° M0 4.95000$\times10^{18}$
BGR Event type ke.
GCMT nsta1 refers to body waves, cutoff=50s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s172,c454; s172,c808; Duration: 4s9 Moment tensor: Scale 10^{19}Nm; Mrr0.93±.00 Mθθ-0.17±.00; Mϕϕ-0.77±.00; Mrθ-0.21±.01; Mθϕ-0.45±.00; Mϕr-0.09±.01; Best double couple: NP1:ϕs217.00000° ,δ51.00000°,λ102.00000°. NP2:ϕs19.00000°,δ41.00000°,λ76.00000°. Principal axes: T 0.9730,Plg79.0000°,Azm180.0000°; N 0.0530,Plg9.0000°,Azm30.0000° ; P -1.0270,Plg5.0000°,Azm299.0000° M0 1.00000$\times10^{19}$

(196) Irian Jaya region

ISC III 29 04 26 27.1–.56 2.58S–.06 138.89E–.07 10 4.3b 35 1-86
DJA III 29 04 26 15.1–1.4 1S–12 139E–10 10 5.8,5.7 **¶610543896**
IDC III 29 04 26 25.1–.90 2.63S 139.07E 0 4.2,4.2b
NEIC III 29 04 26 31.7–1.9 2.5S–.10 138.8E–.20 37–10 4.2b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(218) Near east coast of Kamchatka Peninsula

ISC III 29 05 27 48.1–.36 56.79N–.03 162.88E–.03 26–2 5.3b,5.2s 1216 1-163
IDC III 29 05 27 44.9–.37 56.84N 162.71E 0 5.0,5.0b **¶610441412**
KRSC III 29 05 27 45.6–1.3 56.88N 163.24E 42–15 6.2,5.5L
NEIC III 29 05 27 45.8–1.9 56.84N–.07 162.8E–.10 10–1 5.4b,5.5L
BJI III 29 05 27 47.3–.00 57.01N 162.35E 21 5.7b,5.3
BGR III 29 05 27 48.6 57.80N 161.98E 14–1 4.9b,5.3
MOS III 29 05 27 48.8–.97 56.90N 162.84E 42 5.4b,4.5s
ISC Event type ke.
IDC Error ellipse: s-maj=11.5km s-min=9.0km az=150.0.
KRSC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=10.5km az=183.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BGR Event type ke.
MOS Error ellipse: s-maj=5.9km s-min=3.1km az=79.4.

(405) Azores Islands

ISC III 29 06 35 16.6–.65 39.83N–.04 29.60W–.03 11–3 5.3b,4.7s 825 1-159
IDC III 29 06 35 14.8–.44 39.87N 29.74W 0 4.7s,4.5 **¶611832153**
MOS III 29 06 35 14.7–.89 39.89N 29.66W 10 5.3b,4.6s
BJI III 29 06 35 14.0–.00 39.90N 29.60W 10 5.8b,5.4s
NEIC III 29 06 35 16.8–2.0 39.90N–.09 29.7W–.10 10–1 5.3b,5.4s
IGIL III 29 06 35 16.5 39.93N 29.64W 10 5.1b,5.4s
SVSA III 29 06 35 18.1–1.6 39.95N 29.52W 10 4.1L,5.4s
BGR III 29 06 35 36.4 41.45N 27.59W 10 5.1b,5.4s
ISC Event type ke.
IDC Error ellipse: s-maj=13.0km s-min=9.0km az=173.0.
MOS Error ellipse: s-maj=7.8km s-min=4.4km az=48.7.
NEIC Event type se. Error ellipse: s-maj=16.2km s-min=13.8km az=332.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
INMG Event type ke. Error ellipse: s-maj=8.6km s-min=3.8km az=21.0.
BGR Event type ke.

(270) Ceram Sea

ISC III 29 08 54 59.6–.26 2.28S–.03 128.05E–.04 32 5.0b,4.5s 430 1-153
KLM III 29 08 54 53 2.18S 128.67E 10 5.4b,4.5s **¶611832149**
MOS III 29 08 54 55.1–.95 2.27S 128.00E 17 5.1b,4.5s
IDC III 29 08 54 55.1–.43 2.28S 127.94E 0 4.9L,4.8
NEIC III 29 08 54 57.2–2.9 2.13S–.06 128.04E–.07 10–1 4.9b,4.8
DJA III 29 08 54 58.1–.30 2S–2.0 128E–1.0 16–2 5.8b,5.3
BJI III 29 08 54 58.4–.00 2.10S 128.10E 30 5.2b,5.1b
GCMT III 29 08 55 00.2–.20 2.15S–.01 127.97E–.01 13–1 5.2W,5.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s39,c46; s120,c172;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr0.02±.18 Mθθ4.81±.19; Mϕϕ-4.84±.19; Mrθ2.94±.54; Mθϕ3.82±.15; Mϕr1.69±.45; Best double couple: NP1:ϕs24.00000°,δ78.00000°,λ158.00000°. NP2:ϕs119.00000°,δ68.00000°,λ13.00000°. Principal axes: T 7.6090,Plg24.0000° ,Azm340.0000°; N -1.3710,Plg65.0000°,Azm177.0000°; P -6.2430,Plg7.0000°,Azm73.0000° M0 6.92600$\times10^{16}$

(210) South of Mariana Islands

ISC III 29 09 23 10.5–.56 11.97N–.04 143.05E–.05 11–3 5.0b,4.1s 472 2-145
BJI III 29 09 23 04.2–.00 11.55N 143.46E 10 5.1b,4.8b **¶610444217**
IDC III 29 09 23 08.9–.41 12.07N 143.03E 0 4.7,4.7b
DJA III 29 09 23 10.5–2.1 12N–4.0 143E–4.0 11–14 6.0b,5.6
MOS III 29 09 23 10.1–.91 11.99N 143.02E 21 5.0b,5.6
NEIC III 29 09 23 11.1–1.3 12.03N–.07 143.01E–.09 10–1 5.2b,5.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(270) Ceram Sea

ISC III 29 13 52 16.6–.78 2.21S–.04 127.93E–.05 35 3.7b 24 1-72
IDC III 29 13 52 11.9–1.1 2.28S 128.03E 0 3.9L,3.8 **¶610543934**
DJA III 29 13 52 15.0–.60 2S–2.0 128E–2.0 15–6 5.7b,5.2
ISC Event type ke.

(49) Gulf of California

ISC III 29 15 15 23.9–.63 25.74N–.03 110.06W–.03 8–3 5.3s,5.1b 736 1-146
ECX III 29 15 15 22.8–.62 25.77N 110.10W 13–13 5.4L,5.1b **¶611832147**
NEIC III 29 15 15 23.5–1.7 25.71N–.04 110.02W–.03 17–1 5.7,5.6
IDC III 29 15 15 23.3–.50 25.69N 110.06W 0 5.1s,4.6b
MEX III 29 15 15 24.9–.68 25.78N 110.10W 13–9 5.5,4.6b
NEIC III 29 15 15 25.5 25.84N 109.94W 10 5.5,4.6b
BJI III 29 15 15 25.3–.00 25.73N 110.11W 7 5.6b,5.6s
NEIC III 29 15 15 26.8 25.99N 110.04W 22 5.6b,5.6s
NEIC III 29 15 15 26.8 25.49N 109.93W 22 5.6b,5.6s
GCMT III 29 15 15 27.5–.10 25.88N–.01 110.09W–.01 22–0 5.6W,5.6s
MOS III 29 15 15 28.1–1.3 26.06N 109.71W 29 5.4b,5.3s
ISC Event type se.
ECX Error ellipse: s-maj=6.7km s-min=2.9km az=-1.0. Moment Tensor Solution. NP1:ϕs48.00000° ,δ58.00000°,λ-22.00000°.
NEIC Event type se. Error ellipse: s-maj=7.9km s-min=2.9km az=216.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; Mrr0.69 Mθθ-3.10 Mϕϕ2.41 Mrθ-0.29 Mθϕ0.31 Mϕr-0.39 NP1:ϕs137.75000°,δ78.23000°,λ173.96000°. NP2:ϕs228.99000°,δ84.08000°

,λ11.83000°. Principal axes: T 2.5221,Plg13.0000°,Azm94.0000°; N 0.6189,Plg77.0000° ,Azm255.0000°; P -3.1409,Plg4.0000°,Azm3.0000° $M_0$2.88000×10^{17}
IDC Error ellipse: s-maj=17.8km s-min=9.7km az=66.0.
MEX Error ellipse: s-maj=3.1km s-min=3.3km az=-1.0.
NEIC Event type se.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 4^{s}2 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.14 $M_{\theta\theta}$-3.64 $M_{\phi\phi}$3.78 $M_{r\theta}$0.23 $M_{\theta\phi}$-0.81 $M_{\phi r}$0.22 NP1:ϕ_s218.80000°,δ89.09000° ,λ-4.75000°. NP2:ϕ_s308.88000°,δ85.25000°,λ-179.09000°. Principal axes: T 3.8803,Plg3.0000°,Azm264.0000°; N -0.1307,Plg85.0000°,Azm28.0000° ; P -3.7496,Plg4.0000°,Azm174.0000° $M_0$3.81000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s132,c211; s156,c305;Duration: 1^{s}6 Moment tensor: Scale 10^{17}Nm; M_{rr}0.01±.04 $M_{\theta\theta}$-3.47±.04; $M_{\phi\phi}$3.46±.04; $M_{r\theta}$-0.17±.07; $M_{\theta\phi}$-0.85±.03; $M_{\phi r}$0.24±.07; Best double couple: NP1:ϕ_s308.00000°,δ89.00000°,λ176.00000°. NP2:ϕ_s38.00000°,δ86.00000°,λ1.00000°. Principal axes: T 3.5810,Plg4.0000°,Azm263.0000° ; N -0.0030,Plg85.0000°,Azm110.0000°; P -3.5780,Plg2.0000°,Azm353.0000° $M_0$3.58000×10^{17}
MOS Error ellipse: s-maj=9.2km s-min=5.5km az=99.7.

(192) New Britain region

ISC	**III**	**30 07 57 21.6–.41**	**5.53S–.03**	**151.83E–.04**	**33–1**	**5.2b,4.9s**	**743**	**1-157**
IDC	III	30 07 57 16.4–.35	5.52S	151.64E	0	4.9s,4.9		**¶615092550**
BJI	III	30 07 57 17.5–.00	5.65S	152.16E	35	5.2b,5.2s		
DJA	III	30 07 57 18.6–.30	5S–3.0	152E–4.0	13–1	5.9,5.8b		
MOS	III	30 07 57 21.9–1.1	5.43S	151.66E	45	5.4b,5.2s		
NEIC	III	30 07 57 22.9–1.3	5.54S–.07	151.78E–.08	40–6	5.2b,5.2s		
GCMT	III	30 07 57 23.9–.10	5.81S–.01	151.89E–.01	27–0	5.5W,5.2s		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s132,c233; s121,c214;Duration: 1^{s}4 Moment tensor: Scale 10^{17}Nm; M_{rr}1.52±.03 $M_{\theta\theta}$-1.54±.02; $M_{\phi\phi}$0.02±.02; $M_{r\theta}$1.44±.04; $M_{\theta\phi}$-0.55±.02; $M_{\phi r}$0.10±.04; Best double couple: NP1:ϕ_s82.00000°,δ66.00000°,λ99.00000°. NP2:ϕ_s241.00000°,δ25.00000°,λ71.00000°. Principal axes: T 2.0970,Plg68.0000° ,Azm8.0000°; N 0.1550,Plg8.0000°,Azm258.0000°; P -2.2440,Plg21.0000°,Azm165.0000° $M_0$2.17000×10^{17}

(153) South Sandwich Islands region

ISC	**III**	**30 13 13 10.2–.20**	**55.72S–.05**	**27.06W–.05**	**25**	**5.4b,4.9s**	**603**	**6-176**
IDC	III	30 13 13 06.7–.30	55.67S	26.93W	0	5.1,5.1b		**¶615092551**
BJI	III	30 13 13 07.1–.00	55.80S	27.20W	10	5.5b,5.3s		
MOS	III	30 13 13 07.5–1.0	55.70S	27.10W	13	5.6b,5.3s		
NEIC	III	30 13 13 08.6–2.0	55.7S–.10	27.1W–.20	10–1	5.4b,5.3s		
GCMT	III	30 13 13 13.6–.20	55.78S–.01	26.94W–.02	12	5.3W,5.3s		

ISC Event type se. Moment Tensor Solution. NP1:ϕ_s345.70734°,δ25.43539°,λ-91.81638°. NP2: ϕ_s167.71852°,δ64.57830°,λ-89.13635°. Principal axes: T Plg19.5739°,Azm257.0704° ; N Plg0.7800°,Azm347.3477°; P Plg70.4093°,Azm79.5401°
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s54,c69; s116,c162;Duration: 1^{s}1 Moment tensor: Scale 10^{17}Nm; M_{rr}0.11±.01 $M_{\theta\theta}$0.20±.01; $M_{\phi\phi}$-0.30±.01; $M_{r\theta}$-0.50±.04; $M_{\theta\phi}$0.25±.01; $M_{\phi r}$1.10±.03; Best double couple: NP1:ϕ_s335.00000°,δ84.00000°,λ89.00000°. NP2:ϕ_s168.00000°,δ6.00000°,λ103.00000°. Principal axes: T 1.0870,Plg51.0000° ,Azm243.0000°; N 0.3010,Plg1.0000°,Azm335.0000°; P -1.3880,Plg39.0000°,Azm66.0000° $M_0$1.23700×10^{17}

(274) Southern Sumatera

ISC	**III**	**31 03 49 16.0–.40**	**4.41S–.04**	**102.15E–.04**	**47–2**	**4.8b,3.6s**	**230**	**1-150**
IDC	III	31 03 49 09.8–.56	4.41S	102.13E	0	4.6,4.6L		**¶610460791**
NEIC	III	31 03 49 16.0–1.5	4.41S–.07	102.11E–.05	45–6	4.8b,4.6L		
DJA	III	31 03 49 16.2–.30	5S–3.0	102E–2.0	48–3	5.5b,5.4		

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

(403) Northern Mid-Atlantic Ridge

ISC	**III**	**31 17 25 24.7–.49**	**52.60N–.03**	**32.36W–.03**	**18–2**	**5.3b,5.1s**	**1925**	**11-155**
DNK	III	31 17 25 20.0–5.4	51.98N	32.67W	31–72	5.5b,5.1s		**¶611832186**
MOS	III	31 17 25 21.2–.87	52.61N	32.38W	10	5.3b,5.0s		
IDC	III	31 17 25 21.9–.38	52.64N	32.35W	0	4.9s,4.9L		
NEIC	III	31 17 25 23.1–1.2	52.67N–.07	32.32W–.08	10–1	5.5,5.5		
NEIC	III	31 17 25 23.1	52.66N	32.30W	10	5.5,5.5		
NEIC	III	31 17 25 24.5	52.71N	32.31W	20	5.5,5.5		
NEIC	III	31 17 25 24.5	52.71N	32.31W	20	5.5,5.5		
BER	III	31 17 25 27.3–1.9	52.67N	31.91W	20	5.5W,5.2b		
GCMT	III	31 17 25 27.1–.10	52.66N–.01	32.23W–.01	23–0	5.6W,5.2b		
BGR	III	31 17 25 40.7	52.48N	30.79W	10	4.9b,4.8s		

ISC Event type ke. Moment Tensor Solution. NP1:ϕ_s218.77432°,δ81.92864°,λ42.70639°. NP2: ϕ_s121.39038°,δ47.81529°,λ169.07718°. Principal axes: T Plg35.0381°,Azm89.3824° ; N Plg46.6822°,Azm227.4240°; P Plg22.0587°,Azm342.8750°
DNK Error ellipse: s-maj=37.2km s-min=57.3km az=-1.0.
MOS Error ellipse: s-maj=5.4km s-min=4.3km az=52.1.
IDC Error ellipse: s-maj=11.7km s-min=8.3km az=6.0.
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=7.7km az=194.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.07 $M_{\theta\theta}$-0.86 $M_{\phi\phi}$0.79 $M_{r\theta}$0.48 $M_{\theta\phi}$-1.58 $M_{\phi r}$-0.73 NP1:ϕ_s101.42000°,δ74.76000°,λ162.34000°. NP2:ϕ_s196.21000°,δ72.98000° ,λ15.96000°. Principal axes: T 2.1165,Plg23.0000°,Azm59.0000°; N -0.2997,Plg67.0000° ,Azm242.0000°; P -1.8168,Plg1.0000°,Azm149.0000° $M_0$1.98000×10^{17}
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2^{s}9 Moment tensor: Scale 10^{17}Nm; M_{rr}0.05 $M_{\theta\theta}$-0.55 $M_{\phi\phi}$0.50 $M_{r\theta}$-0.51 $M_{\theta\phi}$-2.47 $M_{\phi r}$0.48 NP1:ϕ_s275.10000°,δ81.12000° ,λ167.99000°. NP2:ϕ_s6.98000°,δ78.14000°,λ9.08000°. Principal axes: T 2.6842,Plg15.0000° ,Azm231.0000°; N -0.1261,Plg75.0000°,Azm59.0000°; P -2.5582,Plg2.0000°,Azm321.0000° $M_0$2.62000×10^{17}
NEIC Event type se.
BER Error ellipse: s-maj=69.9km s-min=56.7km az=-1.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s133,c225; s160,c312;Duration: 1^{s}6 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.72±.05 $M_{\theta\theta}$-0.39±.05; $M_{\phi\phi}$1.11±.05; $M_{r\theta}$0.22±.08; $M_{\theta\phi}$-3.51±.04; $M_{\phi r}$-0.46±.07; Best double couple: NP1:ϕ_s186.00000°,δ88.00000°,λ6.00000°. NP2:ϕ_s96.00000°,δ84.00000°,λ178.00000°. Principal axes: T 3.9990,Plg6.0000° ,Azm51.0000°; N -0.7650,Plg83.0000°,Azm206.0000°; P -3.2370,Plg3.0000°,Azm321.0000° $M_0$3.61800×10^{17}
BGR Event type ke.

(207) Eastern New Guinea region

ISC	**IV**	**01 04 47 47.4–.72**	**6.33S–.08**	**147.7E–.10**	**50**	**4.1b,3.4s**	**23**	**3-153**
DJA	IV	01 04 47 47.7–.40	6S–4.0	148E–5.0	42–3	5.6b,5.1		**¶610651680**
IDC	IV	01 04 47 48.2–2.7	6.46S	147.78E	61–27	4.1L,4.0		

ISC Event type ke.
IDC Error ellipse: s-maj=39.5km s-min=14.0km az=116.0.

(221) Kuril Islands

ISC	**IV**	**01 08 13 34.9–.35**	**45.38N–.03**	**150.81E–.03**	**52–2**	**5.1b,4.5s**	**1409**	**2-153**
JMA	IV	01 08 13 31.9–1.2	45N–4.0	151E–8.0	30	5.2W,5.1		**¶610468907**
NIED	IV	01 08 13 31.9	45.38N	150.98E	30	5.1W,5.1		
SKHL	IV	01 08 13 33.3–.60	45.30N	151.00E	60–2	5.6b,5.5		
MOS	IV	01 08 13 33.5–.90	45.45N	150.69E	52	5.4b,4.8s		
IDC	IV	01 08 13 33.5–3.2	45.54N	150.68E	33–23	4.8,4.7b		
BJI	IV	01 08 13 34.8–.00	45.38N	150.59E	60	5.1b,5.0b		
NEIC	IV	01 08 13 36.1–1.7	45.45N–.08	150.8E–.10	55–6	5.1b,5.0b		
GCMT	IV	01 08 13 37.1–.20	45.45N–.01	150.97E–.02	40–0	5.2W,5.0b		
BGR	IV	01 08 13 42.0	47.23N	150.19E	33	5.2b,4.9s		

ISC Event type ke. Moment Tensor Solution. NP1:ϕ_s77.54766°,δ65.15466°,λ102.01458°. NP2: ϕ_s230.68477°,δ27.43086°,λ65.79293°. Principal axes: T Plg67.6247°,Azm10.2947° ; N Plg10.8883°,Azm252.4378°; P Plg19.2991°,Azm158.5754°
JMA Event type ke. KURILE ISLANDS REGION .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}1.97 $M_{\theta\theta}$-0.52 $M_{\phi\phi}$-1.46 $M_{r\theta}$1.04 $M_{\theta\phi}$-2.03 $M_{\phi r}$3.50 NP1:ϕ_s18.00000°,δ74.00000°,λ73.00000°. NP2:ϕ_s247.00000° ,δ23.00000°,λ137.00000°. $M_0$4.50000×10^{16}
MOS Error ellipse: s-maj=5.3km s-min=3.8km az=105.9.
IDC Error ellipse: s-maj=11.6km s-min=9.0km az=143.0.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=9.4km az=143.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s95,c137; s115,c183;Duration: 1^{s}0 Moment tensor: Scale 10^{16}Nm; M_{rr}6.76±.19 $M_{\theta\theta}$-4.19±.14; $M_{\phi\phi}$-2.57±.14; $M_{r\theta}$1.30±.13; $M_{\theta\phi}$-4.10±.09; $M_{\phi r}$2.75±.11; Best double couple: NP1:ϕ_s40.00000°,δ56.00000°,λ78.00000°. NP2:ϕ_s242.00000°,δ36.00000°,λ108.00000°. Principal axes: T 7.5130,Plg75.0000° ,Azm274.0000°; N 0.5620,Plg10.0000°,Azm47.0000°; P -8.0760,Plg11.0000°,Azm139.0000° $M_0$7.79500×10^{16}
BGR Event type ke.

(267) Halmahera

ISC	**IV**	**03 01 00 53.4–1.1**	**1.80N–.08**	**127.7E–.10**	**10**	**3.7b**	**12**	**1-60**
IDC	IV	03 01 00 52.2–1.2	1.66N	127.18E	0	3.8,3.7b		**¶610651784**
DJA	IV	03 01 00 52.5–.60	2N–5.0	128E–5.0	10–4	5.6b,5.2		

ISC Event type ke.

(584) South Africa

ISC	**IV**	**03 03 08 50.1–1.0**	**26.89S–.02**	**26.77E–.02**	**0–6**	**5.0b,3.9s**	**928**	**1-151**
MOS	IV	03 03 08 49.1–.85	26.88S	26.81E	10	5.2b,3.9s		**¶610471076**
PRE	IV	03 03 08 50.0–2.3	26.89S	26.75E	2	4.6L,3.9s		
IASPE	IV	03 03 08 50.5–.26	26.87S	26.77E	3–1	5.7b,5.3b		
IDC	IV	03 03 08 50.7–.42	26.86S	26.71E	0	5.0L,4.8		
BJI	IV	03 03 08 51.4–.00	26.78S	26.67E	14	5.2b,5.1b		
NEIC	IV	03 03 08 51.2–1.5	26.91S–.05	26.80E–.07	5–1	5.2b,5.1b		
BUL	IV	03 03 08 52.6–1.0	26.93S	26.87E	10	4.7,5.1b		
BGR	IV	03 03 09 04.7	25.32S	26.39E	33	5.0b,5.1b		

ISC Event type ke. Moment Tensor Solution. NP1:ϕ_s30.71383°,δ45.76228°,λ-91.50312°. NP2: ϕ_s212.86789°,δ44.25797°,λ-88.45689°. Principal axes: T Plg0.7523°,Azm121.7767° ; N Plg1.0768°,Azm31.7626°; P Plg88.6863°,Azm246.7087°
MOS Error ellipse: s-maj=10.1km s-min=4.5km az=83.1.
PRE Error ellipse: s-maj=2.4km s-min=2.6km az=-1.0. Moment Tensor Solution. NP1: ϕ_s233.92000°,δ50.73000°,λ-77.04000°.
IASPE Event type se. Error ellipse: s-maj=2.9km s-min=2.6km az=131.0. GT5 selection from ISC bulletin. GT5 identified by Bondr and McLaughlin (2009) selection criteria. Bondr and McLaughlin, A new ground truth data set for seismic studies, <i>Seism. Res. Let.</i>, 80, 465-472, 2009.
IDC Error ellipse: s-maj=12.7km s-min=8.8km az=99.0.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=8.4km az=80.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BUL Error ellipse: s-maj=3.9km s-min=4.9km az=-1.0.
BGR Event type ke.

(579) Botswana

ISC	**IV**	**03 17 40 16.9–.22**	**22.67S–.02**	**25.22E–.03**	**20–2**	**6.7b,6.6s**	**3040**	**1-159**
IDC	IV	03 17 40 13.4–.27	22.61S	25.31E	0	6.5s,5.9		**¶610478084**
PRE	IV	03 17 40 13.4–3.3	22.57S	25.13E	0	6.3L,5.9		
MOS	IV	03 17 40 14.7–.91	22.65S	25.15E	19	6.7b,6.6s		
BJI	IV	03 17 40 15.2–.00	22.60S	25.12E	10	6.8s,6.7b		
NEIC	IV	03 17 40 16	22.62S	25.14E	13	6.8s,6.7b		
BGR	IV	03 17 40 17.5	22.32S	24.25E	26–0	6.9,6.7s		
BUL	IV	03 17 40 17.2–2.0	22.64S	25.29E	10	5.2,6.7s		
NEIC	IV	03 17 40 18	22.66S	25.15E	24	5.2,6.7s		
NEIC	IV	03 17 40 18.6–2.2	22.68S–.07	25.16E–.07	29–1	6.8b,6.6		
NEIC	IV	03 17 40 18	22.66S	25.15E	24	6.8b,6.6		
GCMT	IV	03 17 40 23.6–.10	22.54S	25.21E	30–0	6.5W,6.6		
LSZ	IV	03 17 40 27.6–2.7	21.11S	24.04E	102	6.2,6.6		

ISC Event type ke. Moment Tensor Solution. NP1:ϕ_s138.47089°,δ67.47570°,λ-103.57662°. NP2: ϕ_s350.69855°,δ26.11588°,λ-60.48811°. Principal axes: T Plg21.3485°,Azm238.7369° ; N Plg12.5234°,Azm143.7563°; P Plg64.9299°,Azm25.4081° Moment Tensor Solution. NP1: ϕ_s287.52719°,δ47.75336°,λ-80.16213°. NP2:ϕ_s93.06425°,δ43.16621°,λ-100.65426°. Principal axes: T Plg2.3119°,Azm10.5823°; N Plg7.2663°,Azm100.8772°; P Plg82.3710° ,Azm263.0397°
IDC Error ellipse: s-maj=9.9km s-min=7.2km az=117.0.
PRE Error ellipse: s-maj=5.0km s-min=4.1km az=-1.0. Moment Tensor Solution. NP1: ϕ_s330.42000°,δ45.71000°,λ-61.46000°.
MOS Error ellipse: s-maj=7.6km s-min=3.0km az=88.4.
NEIC Event type se.
BGR Event type ke.
BUL Error ellipse: s-maj=5.8km s-min=6.9km az=-1.0.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=10.0km az=45.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-7.52 $M_{\theta\theta}$1.77 $M_{\phi\phi}$5.75 $M_{r\theta}$-2.26 $M_{\theta\phi}$-4.17 $M_{\phi r}$1.52 NP1:ϕ_s336.70000°,δ36.96000°,λ-76.08000°. NP2:ϕ_s139.46000° ,δ54.29000°,λ-100.26000°. Principal axes: T 8.7614,Plg9.0000°,Azm237.0000° ; N -0.6984,Plg8.0000°,Azm145.0000°; P -8.0630,Plg78.0000°,Azm13.0000° $M_0$8.43000×10^{18}
NEIC Event type se. Moment Tensor Solution.Duration: 8^{s}9 Moment tensor: Scale 10^{18}Nm; M_{rr}-5.54 $M_{\theta\theta}$1.68 $M_{\phi\phi}$3.86 $M_{r\theta}$-2.22 $M_{\theta\phi}$-3.00 $M_{\phi r}$-0.46 NP1:ϕ_s126.42000°,δ52.61000° ,λ-114.38000°. NP2:ϕ_s343.16000°,δ43.64000°,λ-61.62000°. Principal axes: T 6.0303,Plg5.0000°,Azm233.0000°; N 0.3048,Plg19.0000°,Azm142.0000° ; P -6.3352,Plg70.0000°,Azm337.0000° $M_0$6.18000×10^{18}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s167,c412; s171,c738; Duration: 4^{s}3 Moment tensor: Scale 10^{18}Nm; M_{rr}-6.29±.03 $M_{\theta\theta}$2.60±.03; $M_{\phi\phi}$3.70±.03; $M_{r\theta}$-1.82±.05; $M_{\theta\phi}$-4.01±.02; $M_{\phi r}$0.00±.05; Best double couple: NP1:ϕ_s126.00000°,δ51.00000° ,λ-107.00000°. NP2:ϕ_s332.00000°,δ41.00000°,λ-70.00000°. Principal axes: T 7.3050,Plg5.0000°,Azm228.0000°; N -0.5790,Plg13.0000°,Azm137.0000° ; P -6.7160,Plg76.0000°,Azm339.0000° $M_0$7.01000×10^{18}
LSZ Error ellipse: s-maj=188.6km s-min=303.6km az=-1.0.

(579) Botswana

ISC	**IV**	**03 18 11 47.8–2.5**	**22.6S–.60**	**25.3E–.30**	**10**	**4.6b**	**7**	**42-145**
IDC	IV	03 18 11 47.4–2.5	22.32S	25.42E	0	5.9s,4.5		**¶610651861**

ISC Event type ke.
IDC Error ellipse: s-maj=88.4km s-min=38.7km az=20.0.

(210) South of Mariana Islands

ISC	**IV**	**04 10 43 14.0–.29**	**12.29N–.04**	**144.17E–.06**	**35–4**	**5.0b,3.9s**	**441**	**1-154**
IDC	IV	04 10 43 09.6–.44	12.37N	144.07E	0	4.6,4.6b		**¶610478107**
MOS	IV	04 10 43 10.6–.96	12.35N	144.03E	21	5.1b,4.6b		
NEIC	IV	04 10 43 10.9–2.2	12.31N–.06	144.19E–.09	10–1	5.2b,4.6b		
BJI	IV	04 10 43 11.4–.00	12.48N	144.18E	21	5.1b,4.8b		
DJA	IV	04 10 43 17.1–.40	12N–3.0	145E–5.0	72–6	5.8b,5.3		

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

(250) Mindoro

ISC	**IV**	**04 12 58 45.7–.43**	**13.65N–.02**	**120.98E–.02**	**17–2**	**5.3b,4.5s**	**818**	**0-178**
IDC	IV	04 12 58 42.5–.48	13.53N	121.01E	0	4.8,4.8b		**¶610482611**
BJI	IV	04 12 58 45.6–.00	13.37N	121.23E	44	5.1b,4.8s		
MAN	IV	04 12 58 45.1	13.69N	120.93E	6	5.9b,5.5s		
NEIC	IV	04 12 58 45.5–1.9	13.59N–.06	121.05E–.08	18–3	5.3b,5.1		
GCMT	IV	04 12 58 48.5–.20	13.82N–.01	121.00E–.01	17–1	5.2W,5.1		
MOS	IV	04 12 58 48.4–.96	13.61N	120.98E	55	5.4b,4.4s		
NEIC	IV	04 12 58 52.6	13.64N	121.05E	26	5.4b,4.4s		
DJA	IV	04 12 58 52.7–.60	14N–3.0	121E–3.0	81–6	5.6b,5.3b		
NEIC	IV	04 12 58 52.6	13.74N	120.74E	26	5.6b,5.3b		

ISC Event type fe.
IDC Error ellipse: s-maj=13.8km s-min=10.0km az=82.0.
MAN Event type fe. INTENSITY VI - TINGLOY AND MABINI BATANGAS; BATANGAS CITY; INTENSITY V - MALVAR TAAL BAUAN AND CALATAGAN BATANGAS; INTENSITY IV - SAN NICOLAS CUENCA LEMERY AND LIPA CITY BATANGAS; MAKATI CITY; MANILA CITY; ; VALENZUELA CITY; OBANDO BULACAN; SILANG NOVELETA IMUS AMADEO AND INDANG CAVITE; ; TAGAYTAY CITY; CALAMBA SAN PABLO AND LOS BANOS LAGUNA;CALAPAN CITY; PUERTO GALERA; ORIENTAL MINDORO; INTENSITY III - SAN JOSE AND TALISAY BATANGAS; NAUJAN PINAMALAYAN ORIENTAL MINDORO; PALUAN; OCCIDENTAL MINDORO; MANDALUYONG CITY; QUEZON CITY; PASIG CITY; LAS PINAS CITY; TAGUIG CITY; ; PASAY CITY; GEN. TRIAS ROSARIO MOLINO AND DASMARINAS CAVITE ; LUCENA CITY; STA. ROSA LAGUNA;; CALAUAG AND GUMACA QUEZON; INTENSITY II - ABRA DE ILOG OCCIDENTAL MINDORO; MEYCAUAYAN; BULACAN; CALAUAG AND GUMACA QUEZON.

NEIC Event type se. Error ellipse: s-maj=11.7km s-min=8.7km az=91.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s40,c52; s106,c163;Duration: 1s0
Moment tensor: Scale 10^{16}Nm; Mrr-2.67±.23 Mθθ-4.25±.17; Mφφ6.93±.17; Mrθ4.27±.62; Mθφ1.97±.12; Mφr-1.60±.40; Best double couple: NP1:φs331.00000°,δ68.00000°,λ-146.00000°. NP2:φs227.00000°,δ59.00000°,λ-26.00000°. Principal axes: T 7.3550,Plg6.0000° ,Azm98.0000°; N 0.8820,Plg50.0000°,Azm0.0000°; P -8.2270,Plg39.0000°,Azm192.0000° M0 7.79100×10^{16}
MOS Error ellipse: s-maj=6.9km s-min=4.0km az=111.4.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 1s9 Moment tensor: Scale 10^{16}Nm; Mrr-3.37 Mθθ-2.72 Mφφ6.09 Mrθ2.58 Mθφ2.51 Mφr-0.24 NP1:φs229.94000°,δ62.07000° ,λ-37.01000°. NP2:φs339.38000°,δ57.87000°,λ-146.42000°. Principal axes: T 6.7753,Plg3.0000°,Azm286.0000°; N -0.8312,Plg45.0000°,Azm18.0000° ; P -5.9440,Plg45.0000°,Azm193.0000° M0 6.36000×10^{16}

(153) South Sandwich Islands region

ISC	**IV**	**04 13 53 17.3–.23**	**55.65S–.05**	**30.01W–.05**	**10**	**5.5b,5.0s**	**669**	**4-175**
IDC	IV	04 13 53 15.7–.35	55.62S	29.78W	0	5.2,5.2b	**¶610482617**	
NEIC	IV	04 13 53 17.7	55.41S	29.20W	20	5.2,5.2b		
MOS	IV	04 13 53 17.3–.91	55.64S	30.20W	19	5.7b,4.7s		
NEIC	IV	04 13 53 17.7	55.61S	30.09W	20	5.7b,4.7s		
NEIC	IV	04 13 53 19.0–1.1	55.62S–.10	30.0W–.20	19–3	5.6,5.6b		
GCMT	IV	04 13 53 20.0–.10	55.73S–.01	29.81W–.01	12	5.4W,5.6b		

ISC Event type se. Moment Tensor Solution. NP1:φs308.90381°,δ14.18800°,λ-155.79260°. NP2: φs195.35336°,δ84.23188°,λ-77.01540°. Principal axes: T Plg37.9135°,Azm273.7355° ; N Plg12.9177°,Azm14.0258°; P Plg49.1657°,Azm119.4159°
NEIC Event type se. Moment Tensor Solution.Duration: 2s8 Moment tensor: Scale 10^{17}Nm; Mrr-1.86 Mθθ0.06 Mφφ1.80 Mrθ-0.25 Mθφ0.46 Mφr-2.19 NP1:φs8.23000°,δ69.77000° ,λ-94.13000°. NP2:φs200.04000°,δ20.63000°,λ-78.93000°. Principal axes: T 2.9191,Plg25.0000°,Azm101.0000°; N -0.0311,Plg4.0000°,Azm10.0000° ; P -2.8880,Plg65.0000°,Azm271.0000° M0 2.90000×10^{17}
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s87,c143; s129,c234;Duration: 1s2
Moment tensor: Scale 10^{17}Nm; Mrr-1.06±.03 Mθθ-0.52±.03; Mφφ1.58±.02; Mrθ0.32±.07; Mθφ0.60±.02; Mφr0.68±.05; Best double couple: NP1:φs206.00000°,δ60.00000°,λ-76.00000°. NP2:φs359.00000°,δ33.00000°,λ-113.00000°. Principal axes: T 1.9210,Plg14.0000° ,Azm286.0000°; N -0.6460,Plg12.0000°,Azm19.0000°; P -1.2720,Plg71.0000° ,Azm148.0000° M0 1.59700×10^{17}

(331) Kazakhstan-Xinjiang border region

ISC	**IV**	**04 15 07 30.7–.32**	**47.22N–.02**	**84.96E–.02**	**18–1**	**5.4b,4.7s**	**1405**	**0-161**
IDC	IV	04 15 07 27.9–.36	47.28N	85.09E	0	5.1,5.1L	**¶610482622**	
BJI	IV	04 15 07 28.2–.00	47.22N	85.12E	11	5.6L,5.3s		
MOS	IV	04 15 07 29.0–.99	47.17N	85.06E	18	5.6b,4.8s		
BGR	IV	04 15 07 30.5	46.32N	85.18E	33	5.8b,4.7s		
GCMT	IV	04 15 07 30.9–.20	47.28N–.01	85.08E–.02	33–1	5.3W,4.7s		
NNC	IV	04 15 07 30.1–1.4	47.26N	84.90E	0	6.0b,5.8		
SOME	IV	04 15 07 31.0	47.37N	84.78E	15	4.9s,5.8		
NEIC	IV	04 15 07 31.9–1.2	47.27N–.07	85.05E–.10	25–4	5.4b,5.1		
ASRS	IV	04 15 07 33.2–.18	47N–1.0	85E–1.0	10	6.4,5.1		
NEIC	IV	04 15 07 33.2	47.36N	84.74E	26	6.4,5.1		
NEIC	IV	04 15 07 33.2	47.26N	85.04E	26	6.4,5.1		

ISC Event type ke.
IDC Error ellipse: s-maj=7.6km s-min=5.9km az=2.0.
MOS Event type fe. Error ellipse: s-maj=3.7km s-min=3.3km az=18.4. Felt (V-VI) at Zaisan. Moment Tensor Solution.
BGR Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s59,c75; s129,c212;Duration: 1s0
Moment tensor: Scale 10^{17}Nm; Mrr0.12±.03 Mθθ-0.80±.02; Mφφ0.68±.02; Mrθ-0.34±.04; Mθφ-0.49±.02; Mφr0.14±.03; Best double couple: NP1:φs297.00000°,δ88.00000°,λ157.00000°. NP2:φs28.00000°,δ67.00000°,λ2.00000°. Principal axes: T 0.9050,Plg17.0000° ,Azm251.0000°; N 0.1180,Plg67.0000°,Azm112.0000°; P -1.0220,Plg14.0000° ,Azm345.0000° M0 0.96400×10^{17}
NNC Event type se. Error ellipse: s-maj=16.5km s-min=5.7km az=112.0.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=8.8km az=139.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ASRS Event type ke. Error ellipse: s-maj=3.5km s-min=1.5km az=126.0. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/tab. manual. confirmed.
NEIC Event type se. Moment Tensor Solution.Duration: 1s9 Moment tensor: Scale 10^{16}Nm; Mrr0.31 Mθθ-3.60 Mφφ3.29 Mrθ-0.10 Mθφ-3.64 Mφr-1.05 NP1:φs202.17000°,δ85.96000° ,λ11.73000°. NP2:φs111.33000°,δ78.30000°,λ175.87000°. Principal axes: T 5.0367,Plg11.0000°,Azm67.0000°; N 0.1789,Plg78.0000°,Azm221.0000° ; P -5.2156,Plg5.0000°,Azm336.0000° M0 5.13000×10^{16}
NEIC Event type se.

(250) Mindoro

ISC	**IV**	**04 15 13 48.0–.97**	**13.65N–.02**	**121.02E–.03**	**18–5**	**5.2b,4.2s**	**449**	**0-119**
IDC	IV	04 15 13 44.1–.57	13.51N	120.84E	0	4.7,4.7b	**¶610482623**	
MOS	IV	04 15 13 45.9–.89	13.62N	120.94E	18	5.3b,4.7b		
MAN	IV	04 15 13 47.1	13.66N	120.93E	9	5.6b,4.9s		
NEIC	IV	04 15 13 47.1–1.8	13.68N–.08	121.13E–.09	10–1	5.3b,4.9s		
GCMT	IV	04 15 13 50.1–.30	14.05N–.02	121.08E–.02	18–1	5.1W,4.9s		
DJA	IV	04 15 13 54.2–.90	14N–7.0	121E–4.0	78–7	5.3,5.2b		
BJI	IV	04 15 13 54.9–.00	13.80N	121.00E	83	5.2b,4.8b		

ISC Event type fe.
IDC Error ellipse: s-maj=21.6km s-min=8.3km az=99.0.
MOS Error ellipse: s-maj=9.3km s-min=5.4km az=104.0.
MAN Event type fe. INTENSITY IV- LEMERY BATANGAS AND AMADEO CAVITE; INTENSITY II - TAGAYTAY CITY.
NEIC Event type se. Error ellipse: s-maj=14.8km s-min=12.8km az=92.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s24,c27; s90,c133;Duration: 0
Moment tensor: Scale 10^{16}Nm; Mrr-3.61±.27 Mθθ-0.58±.14; Mφφ4.19±.19; Mrθ4.87±.59; Mθφ0.10±.10; Mφr-2.23±.33; Best double couple: NP1:φs319.00000°,δ73.00000°,λ-117.00000°. NP2:φs200.00000°,δ32.00000°,λ-33.00000°. Principal axes: T 5.1750,Plg23.0000° ,Azm70.0000°; N 2.3180,Plg26.0000°,Azm327.0000°; P -7.4950,Plg54.0000°,Azm196.0000° M0 6.33500×10^{16}

(250) Mindoro

ISC	**IV**	**04 16 49 01.4–.23**	**13.72N–.02**	**120.99E–.03**	**10**	**5.1b,4.3s**	**738**	**0-174**
IDC	IV	04 16 48 58.5–.45	13.56N	121.01E	0	4.6,4.6b	**¶610482628**	
MOS	IV	04 16 49 00.2–.98	13.68N	120.95E	16	5.2b,4.6b		
MAN	IV	04 16 49 01.1	13.69N	120.93E	7	5.6b,4.9s		
NEIC	IV	04 16 49 02.2–1.8	13.77N–.06	120.97E–.09	10–1	5.2b,4.9s		
GCMT	IV	04 16 49 04.2–.20	13.80N–.01	120.99E–.01	19–1	5.1W,4.9s		
BJI	IV	04 16 49 07.4–.00	13.71N	121.08E	79	5.0b,4.7b		
DJA	IV	04 16 49 09.3–.40	14N–3.0	121E–2.0	73–4	5.3b,5.1		

ISC Event type fe.
MAN Event type fe. INTENSITY IV- MABINI LEMERY BATANGAS; AMADEO CAVITE; INTENSITY III - TAGAYTAY CITY; QUEZON CITY; PASIG CITY; PASAY CITY;; GEN. TRIAS CAVITE; LOS BANOS LAGUNA; INTENSITY II - TALISAY BATANGAS.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s37,c44; s105,c170;Duration: 0
Moment tensor: Scale 10^{16}Nm; Mrr-1.09±.15 Mθθ-4.17±.11; Mφφ5.26±.14; Mrθ1.01±.24; Mθφ0.93±.09; Mφr0.31±.25; Best double couple: NP1:φs229.00000°,δ81.00000°,λ-14.00000°. NP2:φs321.00000°,δ76.00000°,λ-171.00000°. Principal axes: T 5.3760,Plg4.0000° ,Azm276.0000°; N -0.8390,Plg74.0000°,Azm19.0000°; P -4.5370,Plg16.0000° ,Azm185.0000° M0 4.95700×10^{16}

(409) South Atlantic Ocean

ISC	**IV**	**04 21 23 45.6–.26**	**53.18S–.06**	**48.42W–.06**	**10**	**5.2b,4.3s**	**292**	**6-166**
IDC	IV	04 21 23 44.2–.44	53.16S	48.09W	0	4.8b,4.7	**¶610483606**	
BJI	IV	04 21 23 45.0–.00	53.40S	48.70W	10	5.8s,5.7		
NEIC	IV	04 21 23 46.1–1.7	53.19S–.07	48.4W–.10	10–1	5.2b,5.7		
GCMT	IV	04 21 23 50.1–.30	53.29S–.02	48.50W–.03	28–0	5.0W,5.7		

ISC Event type se. Moment Tensor Solution. NP1:φs79.77176°,δ25.83945°,λ-11.06490°. NP2: φs179.75382°,δ85.20167°,λ-115.42017°. Principal axes: T Plg35.2581°,Azm291.5753° ; N Plg25.3248°,Azm182.0304°; P Plg44.0717°,Azm64.7636°
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s40,c55; s81,c107;Duration: 0
Moment tensor: Scale 10^{16}Nm; Mrr-2.81±.23 Mθθ0.61±.18; Mφφ2.20±.15; Mrθ-0.84±.29; Mθφ2.92±.10; Mφr1.56±.27; Best double couple: NP1:φs188.00000°,δ59.00000°,λ-130.00000°. NP2:φs68.00000°,δ49.00000°,λ-42.00000°. Principal axes: T 4.5100,Plg6.0000° ,Azm306.0000°; N -0.5280,Plg34.0000°,Azm212.0000°; P -3.9790,Plg55.0000° ,Azm45.0000° M0 4.24400×10^{16}

(7) Andreanof Islands

ISC	**IV**	**04 22 08 41.4–.33**	**51.23N–.04**	**176.38W–.03**	**23–1**	**5.5b,5.2s**	**1937**	**1-160**
BJI	IV	04 22 08 36.7–.00	51.32N	176.42W	10	5.5b,5.5s	**¶610483613**	
IDC	IV	04 22 08 37.5–.37	51.32N	176.32W	0	5.0s,5.0		
BGR	IV	04 22 08 38.8	50.53N	178.65W	33	5.2b,5.0s		
NEIC	IV	04 22 08 40.2	51.29N	176.41W	24	5.2b,5.0s		
NEIC	IV	04 22 08 40.6–1.6	51.19N–.06	176.38W–.09	17–1	5.6,5.6L		
NEIC	IV	04 22 08 40.4	51.28N	176.40W	13	5.6,5.6L		
AEIC	IV	04 22 08 40.7–2.0	51.14N–.05	176.27W–.08	20–2	5.6,5.6L		
NEIC	IV	04 22 08 40.2	51.29N	176.41W	24	5.6,5.6L		
MOS	IV	04 22 08 42.0–.89	51.42N	176.38W	19	5.6b,5.1s		
GCMT	IV	04 22 08 42.6–.10	51.23N–.01	176.24W–.01	19–0	5.7W,5.1s		

ISC Event type ke.
BGR Event type ke.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; Mrr2.08 Mθθ-1.94 Mφφ-0.14 Mrθ0.29 Mθφ-0.38 Mφr-0.24 NP1:φs86.08000°,δ48.84000°,λ100.10000°. NP2:φs250.93000° ,δ42.16000°,λ78.66000°. Principal axes: T 2.1323,Plg82.0000°,Azm55.0000° ; N -0.1043,Plg8.0000°,Azm259.0000°; P -2.0281,Plg3.0000°,Azm169.0000° M0 2.08000×10^{17}
NEIC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution.Duration: 3s1 Moment tensor: Scale 10^{17}Nm; Mrr2.95 Mθθ-3.04 Mφφ0.09 Mrθ0.34 Mθφ-0.39 Mφr-0.15 NP1:φs86.84000°,δ48.10000° ,λ95.05000°. NP2:φs259.31000°,δ42.15000°,λ84.40000°. Principal axes: T 2.9818,Plg85.0000°,Azm45.0000°; N 0.1255,Plg4.0000°,Azm263.0000° ; P -3.1073,Plg3.0000°,Azm173.0000° M0 3.04000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s146,c277; s152,c316;Duration: 1s7
Moment tensor: Scale 10^{17}Nm; Mrr3.39±.05 Mθθ-3.33±.04; Mφφ-0.06±.03; Mrθ1.71±.08; Mθφ-0.93±.03; Mφr-0.22±.09; Best double couple: NP1:φs85.00000°,δ58.00000°,λ101.00000°. NP2:φs245.00000°,δ33.00000°,λ73.00000°. Principal axes: T 3.8480,Plg74.0000° ,Azm25.0000°; N 0.0800,Plg9.0000°,Azm259.0000°; P -3.9290,Plg12.0000°,Azm167.0000° M0 3.88900×10^{17}

(348) Northern and central Iran

ISC	**IV**	**05 06 09 11.9–.27**	**35.81N–.02**	**60.43E–.02**	**12–1**	**6.0s,5.8b**	**2293**	**0-151**
BJI	IV	05 06 09 08.8–.00	35.83N	60.41E	5	6.4s,6.2	**¶614428763**	
TEH	IV	05 06 09 08.5	35.85N	60.34E	6–54	6.0L,6.2		
BGR	IV	05 06 09 08.6	34.76N	60.42E	33	6.1,5.8b		
IDC	IV	05 06 09 10.0–.29	35.73N	60.39E	0	5.8s,5.5		
THR	IV	05 06 09 10.6–.55	35.79N	60.36E	14–8	6.0L,5.5		
DSN	IV	05 06 09 11.1–.44	35.93N	60.33E	15	5.6b,5.5		
NEIC	IV	05 06 09 12.5	35.91N	60.32E	12	5.6b,5.5		
NEIC	IV	05 06 09 12.2–2.2	35.78N–.05	60.44E–.06	13–1	6.1,6.0		
GCMT	IV	05 06 09 12.2–.10	35.81N	60.37E	12	6.0W,6.0		
MOS	IV	05 06 09 12.6–1.4	35.98N	60.52E	29	5.9b,5.8s		
NEIC	IV	05 06 09 12.2	35.85N	60.39E	10	5.9b,5.8s		
NEIC	IV	05 06 09 12.5	35.81N	60.44E	12	5.9b,5.8s		
NNC	IV	05 06 09 13.6–.50	36.28N	60.65E	0	6.0b,5.8s		

ISC Event type ke. Moment Tensor Solution. NP1:φs100.70926°,δ47.59901°,λ86.50824°. NP2: φs285.87982°,δ42.51734°,λ93.81581°. Principal axes: T Plg86.3775°,Azm327.7390° ; N Plg2.5777°,Azm103.0654°; P Plg2.5434°,Azm193.1800°
TEH Error ellipse: s-maj=1.7km s-min=4.1km az=-1.0.
BGR Event type ke.
IDC Error ellipse: s-maj=8.6km s-min=7.1km az=3.0.
THR Error ellipse: s-maj=3.9km s-min=8.0km az=-1.0.
DSN Error ellipse: s-maj=8.9km s-min=5.3km az=111.0.
NEIC Event type se. Moment Tensor Solution.Duration: 6s0 Moment tensor: Scale 10^{18}Nm; Mrr1.22 Mθθ-0.86 Mφφ-0.36 Mrθ1.67 Mθφ0.54 Mφr-0.30 NP1:φs104.87000°,δ72.76000° ,λ79.84000°. NP2:φs316.04000°,δ19.94000°,λ119.62000°. Principal axes: T 2.1454,Plg61.0000°,Azm360.0000°; N -0.1295,Plg10.0000°,Azm108.0000° ; P -2.0159,Plg27.0000°,Azm203.0000° M0 2.08000×10^{18}
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=5.2km az=228.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; Mrr1.04 Mθθ-0.92 Mφφ-0.12 Mrθ0.28 Mθφ0.50 Mφr0.43 NP1:φs93.20000°,δ51.41000°,λ58.69000°. NP2:φs317.48000°,δ48.11000° ,λ123.07000°. Principal axes: T 1.2663,Plg66.0000°,Azm299.0000°; N -0.1057,Plg24.0000° ,Azm114.0000°; P -1.1607,Plg2.0000°,Azm205.0000° M0 1.22000×10^{18}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s153,c317; s162,c551; Duration: 2s5 Moment tensor: Scale 10^{18}Nm; Mrr1.17±.01 Mθθ-1.23±.01; Mφφ0.05±.01; Mrθ-0.04±.02; Mθφ0.62±.01; Mφr0.46±.02; Best double couple: NP1:φs312.00000°,δ53.00000° ,λ117.00000°. NP2:φs91.00000°,δ44.00000°,λ59.00000°. Principal axes: T 1.3490,Plg68.0000°,Azm281.0000°; N 0.1480,Plg21.0000°,Azm115.0000° ; P -1.4980,Plg5.0000°,Azm23.0000° M0 1.42300×10^{18}
MOS Error ellipse: s-maj=3.3km s-min=2.7km az=43.5.
NEIC Event type se.
NEIC Event type se.
NNC Event type se. Error ellipse: s-maj=4.5km s-min=2.8km az=174.0.

(703) Andaman Islands region

ISC	**IV**	**05 16 44 37.1–.21**	**14.36N–.03**	**92.99E–.03**	**35–2**	**5.1b,4.3s**	**830**	**1-161**
IDC	IV	05 16 44 31.6–.36	14.30N	92.90E	0	5.1L,4.6	**¶610502385**	
MOS	IV	05 16 44 33.4–1.0	14.39N	92.99E	23	5.2b,4.6		
NEIC	IV	05 16 44 36.7–1.7	14.46N–.06	93.05E–.07	32–4	5.3b,4.6		
NDI	IV	05 16 44 37.4–3.9	14.39N	92.83E	22–49	5.3b,5.1b		
GCMT	IV	05 16 44 37.7–.20	14.32N–.01	93.03E–.01	46–1	5.2W,5.1b		
BJI	IV	05 16 44 37.2–.00	14.51N	92.95E	41	5.2b,4.8b		
DJA	IV	05 16 44 39.0–.40	14N–3.0	93E–4.0	53–4	6.2,6.2		

ISC Event type se. Moment Tensor Solution. NP1:φs258.39648°,δ63.37190°,λ31.64680°. NP2: φs152.95432°,δ62.02859°,λ149.50385°. Principal axes: T Plg40.4345°,Azm116.1308° ; N Plg49.5529°,Azm294.4212°; P Plg0.8441°,Azm25.4115°
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s63,c90; s119,c193;Duration: 1s0
Moment tensor: Scale 10^{16}Nm; Mrr1.53±.20 Mθθ-5.17±.17; Mφφ3.63±.17; Mrθ-0.91±.18; Mθφ6.33±.15; Mφr-2.90±.18; Best double couple: NP1:φs160.00000°,δ76.00000°,λ160.00000°. NP2:φs255.00000°,δ71.00000°,λ15.00000°. Principal axes: T 8.2710,Plg24.0000° ,Azm117.0000°; N 0.2280,Plg66.0000°,Azm305.0000°; P -8.5090,Plg3.0000°,Azm208.0000° M0 8.39000×10^{16}

(216) Mariana Islands

ISC	**IV**	**06 04 22 54.1–.30**	**18.50N–.03**	**146.46E–.04**	**57–2**	**5.1b,4.2s**	**687**	**5-166**
DJA	IV	06 04 22 49.9–1.1	19N–6.0	147E–5.0	45–9	5.9b,5.8	**¶610505902**	
BJI	IV	06 04 22 51.3–.00	18.74N	146.58E	36	5.0b,4.7b		
NEIC	IV	06 04 22 52.6–1.9	18.51N–.08	146.5E–.10	38–5	5.2b,4.7b		
MOS	IV	06 04 22 52.8–.99	18.47N	146.28E	62	5.3b,4.7b		
IDC	IV	06 04 22 55.6–1.5	18.46N	146.23E	70–13	4.7,4.4b		
GCMT	IV	06 04 22 55.6–.20	18.47N–.01	146.61E–.01	46–0	5.2W,4.4b		
KLM	IV	06 04 23 03	19.03N	146.26E	112	5.1b,4.4b		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.9km s-min=11.8km az=99.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=11.7km s-min=5.8km az=96.9.

IDC Error ellipse: s-maj=14.0km s-min=7.7km az=89.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s94,c127; s116,c178;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; Mrr0.66±.02 Mθθ0.04±.01; Mφφ-0.70±.01; Mrθ0.01±.01; Mθφ0.09±.01; Mφr0.29±.01; Best double couple: NP1:φs357.00000°,δ56.00000°,λ94.00000°. NP2:φs169.00000°,δ34.00000°,λ84.00000°. Principal axes: T 0.7230,Plg78.0000° ,Azm282.0000°; N 0.0520,Plg4.0000°,Azm175.0000°; P -0.7750,Plg11.0000°,Azm84.0000° Mo0.74900×10^{17}

(178) Kermadec Islands

ISC IV 06 17 40 24.0–.30 29.88S–.05 178.53W–.05 10 5.2b,4.8s 261 1-169
IDC IV 06 17 40 22.9–.54 29.83S 178.62W 0 4.6s,4.4 ¶611832238
MOS IV 06 17 40 23.3–1.3 29.75S 178.72W 12 5.4b,4.4
NEIC IV 06 17 40 24.2–2.6 29.77S–.07 178.59W–.07 10–1 5.2b,4.4
BJI IV 06 17 40 25.0–.00 29.80S 178.70W 10 5.6b,5.1s
GCMT IV 06 17 40 26.2–.20 29.85S–.01 178.72W–.01 12 5.2W,5.1s
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s68,c95; s136,c223;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; Mrr-0.46±.02 Mθθ-0.43±.01; Mφφ0.88±.01; Mrθ-0.19±.04; Mθφ0.53±.01; Mφr-0.10±.04; Best double couple: NP1:φs59.00000°,δ72.00000°,λ-28.00000°. NP2:φs158.00000°,δ63.00000°,λ-160.00000°. Principal axes: T 1.0930,Plg6.0000° ,Azm110.0000°; N -0.3820,Plg57.0000°,Azm209.0000°; P -0.7110,Plg32.0000° ,Azm16.0000° Mo0.90200×10^{17}

(248) Philippine Islands region

ISC IV 08 05 04 39.6–.63 12.76N–.04 126.02E–.07 36–2 4.5b,3.1s 92 1-149
DJA IV 08 05 04 31.1–1.4 13N–15 126E–10 10 5.7b,5.2 ¶610652203
IDC IV 08 05 04 33.6–.57 12.68N 126.10E 0 4.8L,4.1
MAN IV 08 05 04 38.5 12.72N 125.89E 20 4.9b,3.8L
NEIC IV 08 05 04 43.5–1.8 12.72N–.08 126.0E–.10 65–4 4.6b,3.8L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(250) Mindoro

ISC IV 08 07 07 58.6–.35 13.65N–.02 120.94E–.03 26–2 5.7s,5.5b 1145 0-178
IDC IV 08 07 07 53.4–.34 13.58N 120.85E 0 5.4s,4.9 ¶616566854
MAN IV 08 07 07 55.0 13.66N 120.88E 8 6.2b,5.8s
MOS IV 08 07 07 55.7–.90 13.68N 120.85E 22 5.6b,5.6s
NEIC IV 08 07 07 56.7–1.5 13.71N–.06 120.93E–.07 10–3 5.6b,5.5
KLM IV 08 07 07 56 13.95N 121.16E 10 5.3b,5.5
NEIC IV 08 07 07 57 13.71N 120.93E 12 5.3b,5.5
NEIC IV 08 07 07 57 13.81N 121.14E 12 5.3b,5.5
BJI IV 08 07 07 59.2–.00 13.74N 121.01E 50 5.9s,5.6
DJA IV 08 07 08 00.6–.20 14N–2.0 121E–2.0 44–2 5.8b,5.7
NEIC IV 08 07 08 01.3 13.72N 120.89E 43 5.8b,5.7
ISC Event type fe. Moment Tensor Solution. NP1:φs24.31637°,δ86.01547°,λ-27.47205°. NP2: φs116.38554°,δ62.59994°,λ-175.51100°. Principal axes: T Plg16.0381°,Azm73.5650° ; N Plg62.2628°,Azm196.7043°; P Plg21.9963°,Azm336.8967°
IDC Error ellipse: s-maj=10.9km s-min=6.6km az=92.0.
MAN Event type fe. INTENSITY VII - MABINI BATANGAS; INTENSITY VI - CALATAGAN NASUGBU AND TINGLOY BATANGAS; INTENSITY V - BATANGAS CITY STO. TOMAS AND LEMERY BATANGAS; TAGAYTAY CITY; INTENSITY IV- DASMARINAS CAVITE: LUCENA CITY; PATEROS CITY; INTENSITY III - MAKATI CITY; PASAY CITY; QUEZON CITY; MUNTINLUPA CITY; MALABON CITY; ; MANDALUYONG CITY; BACOOR CAVITE; INTENSITY II - DAET CAMARINES NORTE.
MOS Error ellipse: s-maj=7.8km s-min=4.3km az=110.1.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=8.7km az=81.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; Mrr0.14 Mθθ-1.30 Mφφ1.16 Mrθ-0.19 Mθφ0.20 Mφr-0.29 NP1:φs138.85000°,δ74.18000°,λ173.66000°. NP2:φs230.59000°,δ83.90000° ,λ15.91000°. Principal axes: T 1.2607,Plg16.0000°,Azm96.0000°; N 0.0718,Plg73.0000° ,Azm251.0000°; P -1.3325,Plg7.0000°,Azm4.0000° Mo1.30000×10^{17}
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2s8 Moment tensor: Scale 10^{17}Nm; Mrr-0.03 Mθθ-2.02 Mφφ2.05 Mrθ-0.30 Mθφ-0.19 Mφr0.83 NP1:φs311.16000°,δ81.92000° ,λ160.20000°. NP2:φs44.06000°,δ70.40000°,λ8.58000°. Principal axes: T 2.3591,Plg20.0000°,Azm266.0000°; N -0.2927,Plg69.0000°,Azm110.0000° ; P -2.0664,Plg8.0000°,Azm359.0000° Mo2.21000×10^{17}
NEIC Event type se.

(250) Mindoro

ISC IV 08 07 09 23.8–.41 13.68N–.02 120.94E–.02 25–2 5.7s,5.5b 913 0-171
IDC IV 08 07 09 19.1–.37 13.55N 120.86E 0 5.6s,5.2 ¶610639847
MAN IV 08 07 09 20.5 13.66N 120.88E 2 6.3b,6.0s
BJI IV 08 07 09 21.9–.00 13.49N 121.20E 41 6.0s,5.7
NEIC IV 08 07 09 23.2–1.6 13.77N–.06 120.94E–.08 14–3 5.9,5.8
GCMT IV 08 07 09 24.2–.10 13.75N 120.96E 16–0 5.9W,5.8
NEIC IV 08 07 09 24.5 13.74N 121.02E 24 5.9W,5.8
NEIC IV 08 07 09 24.5 13.74N 120.91E 22 5.9W,5.8
NEIC IV 08 07 09 24.5 13.74N 120.91E 24 5.9W,5.8
ISC Event type fe.
IDC Error ellipse: s-maj=11.1km s-min=7.1km az=91.0.
MAN Event type fe. INTENSITY VII - MABINI BATANGAS; INTENSITY VI - TINGLOY BAUAN CALATAGAN CUENCA CALACA AND NASUGBU BATANGAS; INTENSITY V - BATANGAS CITY STO. TOMAS SAN PASCUAL AND TANAUAN BATANGAS; SAN PABLO ; LAGUNA;GEN. EMILIO AGUINALDO & INDANG CAVITE; CALAPAN & PUERTO GALERA OR. MINDORO; ; TAGAYTAYCITY; INTENSITY IV- LEMERY & TAAL BATANGAS; OBANDO BULACAN; SAN TEODORO OR. MINDORO; MAMBURAO ; &SAN JOSE OCC. MINDORO; CALOOCAN CITY; VALENZUELA CITY; DASMARINAS CAVITE; STA. CRUZ & ; CALAMBA LAGUNA; LUCENA CITY; PATEROS; MANILA CITY; ; INTENSITY III - MAKATI CITY; PASIG CITY; PASAY CITY; QUEZON CITY; MUNTINLUPA CITY; MALABON CITY; ; MANDALUYONG CITY; TAGUIG CITY; IMUS AND BACOOR CAVITE; LUCBAN SAN ANDRES & SARIAYA ; QUEZON;DAET CAM.NORTE; STA. ROSA LAGUNA; GEN. TRIAS CAVITE; BOCAUE & MALOLOS BULACAN; ; SANFERNANDOPAMPANGA; INTENSITY II - CALUMPIT BULACAN; GUINAYANGAN QUEZON.
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=8.8km az=83.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; Mrr-0.09 Mθθ-6.10 Mφφ6.19 Mrθ-0.21 Mθφ-1.10 Mφr-0.84 NP1:φs129.70000°,δ83.02000°,λ176.75000°. NP2:φs220.10000° ,δ86.77000°,λ6.99000°. Principal axes: T 6.3970,Plg7.0000°,Azm85.0000° ; N -0.1854,Plg82.0000°,Azm245.0000°; P -6.2116,Plg3.0000°,Azm355.0000° Mo6.31000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s151,c307; s168,c494; Duration: 2s3 Moment tensor: Scale 10^{18}Nm; Mrr-0.18±.01 Mθθ-0.92±.01; Mφφ1.10±.01; Mrθ0.01±.02; Mθφ-0.04±.01; Mφr0.15±.02; Best double couple: NP1:φs44.00000°,δ86.00000° ,λ5.00000°. NP2:φs314.00000°,δ85.00000°,λ176.00000°. Principal axes: T 1.1190,Plg7.0000°,Azm269.0000°; N -0.2030,Plg83.0000°,Azm81.0000° ; P -0.9200,Plg1.0000°,Azm179.0000° Mo1.02000×10^{18}
NEIC Event type se. Moment Tensor Solution.Duration: 4s7 Moment tensor: Scale 10^{17}Nm; Mrr1.72 Mθθ-10.35 Mφφ8.63 Mrθ-0.54 Mθφ0.46 Mφr2.00 NP1:φs315.36000°,δ81.50000° ,λ167.31000°. NP2:φs47.27000°,δ77.46000°,λ8.71000°. Principal axes: T 9.1767,Plg15.0000°,Azm271.0000°; N 1.2144,Plg75.0000°,Azm102.0000° ; P -10.3911,Plg3.0000°,Azm2.0000° Mo9.78000×10^{17}
NEIC Event type se.
NEIC Event type se.

(250) Mindoro

ISC IV 08 07 29 10.4–.81 13.68N–.02 120.92E–.02 17–5 4.9b 519 0-167
MOS IV 08 07 29 08.9–1.1 13.66N 120.99E 22 5.1b ¶610521484
IDC IV 08 07 29 08.8–2.0 13.61N 120.87E 11–11 4.6s,4.6
MAN IV 08 07 29 09.1 13.67N 120.92E 6 5.5b,4.7s
NEIC IV 08 07 29 09.6–1.9 13.78N–.07 121.1E–.10 10–1 5.0b,4.7s
BJI IV 08 07 29 11.6–.00 13.71N 121.19E 38 5.1s,5.0
GCMT IV 08 07 29 11.6–.40 13.75N–.04 120.95E–.03 12 5.0W,5.0
DJA IV 08 07 29 16.4–.60 14N–3.0 121E–3.0 63–5 5.7b,5.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s1,c1; s76,c100;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr-2.61±.20 Mθθ-1.22±.16; Mφφ3.82±.15; Mrθ1.99±.74; Mθφ1.01±.12; Mφr0.10±.49; Best double couple: NP1:φs222.00000°,δ59.00000°,λ-47.00000°. NP2:φs340.00000°,δ51.00000°,λ-139.00000°. Principal axes: T 4.0530,Plg5.0000° ,Azm283.0000°; N -0.0080,Plg36.0000°,Azm16.0000°; P -4.0550,Plg54.0000° ,Azm186.0000° Mo4.05400×10^{16}

(250) Mindoro

ISC IV 08 08 36 36.3–.74 13.62N–.02 121.04E–.02 20–3 4.6b,4.1s 182 0-119
IDC IV 08 08 36 32.4–.56 13.58N 121.24E 0 4.3,4.3b ¶610521494
MAN IV 08 08 36 34.0 13.63N 120.90E 5 5.5b,4.7s
NEIC IV 08 08 36 35.6–2.0 13.65N–.05 121.1E–.10 10–1 4.7b,4.7s
BJI IV 08 08 36 38.1–.00 13.76N 121.16E 36 5.0b,4.6b
ISC Event type fe.
IDC Error ellipse: s-maj=20.7km s-min=8.0km az=62.0.
MAN Event type fe. INTENSITY IV - TAAL BATANGAS; CUENCA BATANGAS; INTENSITY III - LEMERY BATANGAS; TAGAYTAY CITY; STA. CRUZ AND STA. ROSA LAGUNA; GEN. TRIAS; CAVITE.
NEIC Event type se. Error ellipse: s-maj=17.7km s-min=5.5km az=70.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(249) Luzon

ISC IV 08 15 22 54.5–1.0 13.63N–.02 120.94E–.03 12–6 4.6b,3.9s 129 0-97
IDC IV 08 15 22 51.8–.69 13.51N 120.98E 0 4.1,4.1b ¶610523713
MAN IV 08 15 22 53.2 13.62N 120.91E 1 5.2b,4.3s
NEIC IV 08 15 22 53.3–2.7 13.64N–.09 120.9E–.10 10–1 4.7b,4.3s
BJI IV 08 15 22 58.7–.00 13.59N 120.95E 58 4.8b,4.4b
DJA IV 08 15 23 00.3–2.0 14N–4.0 121E–4.0 18–13 5.5b,5.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(701) West of Macquarie Island

ISC IV 09 00 14 31.6–.40 52.22S–.04 139.65E–.05 14–2 5.4b,5.1s 761 11-156
BGR IV 09 00 14 26.2 53.15S 141.60E 10 5.4b,5.1s ¶615092571
BJI IV 09 00 14 28.8–.00 52.20S 139.50E 5 5.5b,5.2b
IDC IV 09 00 14 28.7–.41 52.19S 139.69E 0 5.0s,4.9
MOS IV 09 00 14 29.3–1.1 52.10S 139.73E 8 5.4b,4.9s
NEIC IV 09 00 14 30.8–1.7 52.18S–.05 139.7E–.10 10–1 5.5,5.4b
NEIC IV 09 00 14 30.7 52.09S 138.98E 12 5.5,5.4b
NEIC IV 09 00 14 30.7 52.20S 139.60E 10 5.5,5.4b
NEIC IV 09 00 14 30.7 52.19S 139.64E 10 5.5,5.4b
GCMT IV 09 00 14 31.8–.10 52.18S–.01 139.52E–.01 12 5.5W,5.4b
ISC Event type ke.
BGR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; Mrr-0.31 Mθθ0.86 Mφφ-0.55 Mrθ-0.02 Mθφ-1.21 Mφr-0.56 NP1:φs342.40000°,δ79.38000°,λ-23.20000°. NP2:φs76.92000°,δ67.22000° ,λ-168.47000°. Principal axes: T 1.5921,Plg8.0000°,Azm31.0000°; N -0.1313,Plg65.0000° ,Azm139.0000°; P -1.4607,Plg24.0000°,Azm298.0000° Mo1.53000×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 4s2 Moment tensor: Scale 10^{17}Nm; Mrr-0.27 Mθθ0.64 Mφφ-0.37 Mrθ0.78 Mθφ-2.00 Mφr-1.24 NP1:φs171.92000°,δ86.76000° ,λ31.77000°. NP2:φs79.92000°,δ58.28000°,λ176.19000°. Principal axes: T 2.8210,Plg24.0000°,Azm41.0000°; N -0.7150,Plg58.0000°,Azm177.0000° ; P -2.1060,Plg19.0000°,Azm302.0000° Mo2.46000×10^{17}
NEIC Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s120,c205; s143,c255;Duration: 1s3 Moment tensor: Scale 10^{17}Nm; Mrr-0.29±.02 Mθθ0.55±.02; Mφφ-0.25±.02; Mrθ0.05±.05; Mθφ-2.08±.02; Mφr-0.04±.05; Best double couple: NP1:φs84.00000°,δ89.00000°,λ179.00000°. NP2:φs175.00000°,δ89.00000°,λ1.00000°. Principal axes: T 2.2680,Plg1.0000°,Azm39.0000° ; N -0.2970,Plg89.0000°,Azm224.0000°; P -1.9710,Plg0.0000°,Azm129.0000° Mo2.12000×10^{17}

(250) Mindoro

ISC IV 09 03 14 12.2–.87 13.63N–.03 120.97E–.03 10–5 4.7b,3.6s 123 0-100
IDC IV 09 03 14 08.7–.68 13.59N 121.28E 0 4.1,4.1b ¶610523779
MAN IV 09 03 14 11.1 13.62N 120.92E 6 5.0b,3.9L
NEIC IV 09 03 14 12.6–1.5 13.74N–.09 121.10E–.04 10–1 4.8b,3.9L
DJA IV 09 03 14 14.6–.30 14N–3.0 121E–4.0 10 5.8b,5.4
ISC Event type fe.
MAN Event type fe.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(197) Near north coast of Irian Jaya

ISC IV 09 11 41 11.1–.40 2.83S–.05 138.95E–.04 10 4.6b,3.6s 92 1-147
IDC IV 09 11 41 09.0–.88 2.82S 138.91E 0 4.3,4.2b ¶610523766
DJA IV 09 11 41 09.3–.40 3S–4.0 139E–4.0 10 5.7b,5.3
NEIC IV 09 11 41 11.7–1.5 2.8S–.10 138.86E–.06 10–1 4.6b,5.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(251) Samar

ISC IV 10 00 43 55.7–.31 12.93N–.02 125.44E–.03 23–1 5.7b,5.4s 1676 2-178
BJI IV 10 00 43 49.6–.00 12.79N 125.51E 5 5.9s,5.8b ¶610523845
IDC IV 10 00 43 52.0–.31 12.95N 125.35E 0 5.3,5.3b
MAN IV 10 00 43 53.0 13.03N 125.60E 19 5.9b,5.4s
NEIC IV 10 00 43 53.9 13.02N 125.37E 5 5.9b,5.4s
MOS IV 10 00 43 53.3–.87 12.92N 125.37E 22 5.9b,5.4s
NEIC IV 10 00 43 54.6–2.0 13.04N–.05 125.36E–.06 10–1 5.7b,5.7
NEIC IV 10 00 43 54.5 13.01N 125.37E 18 5.7b,5.7
NEIC IV 10 00 43 54.5 13.11N 126.19E 18 5.7b,5.7
GCMT IV 10 00 43 56.6–.10 13.05N–.01 125.56E–.01 12 5.7W,5.7
DJA IV 10 00 43 56.5–.20 13N–2.0 125E–2.0 39–1 6.4,6.2b
BGR IV 10 00 44 02.6 14.99N 124.62E 10 5.6s,5.6b
ISC Event type fe. Moment Tensor Solution. NP1:φs212.90099°,δ34.37451°,λ134.63043°. NP2: φs342.79935°,δ66.30930°,λ64.33227°. Principal axes: T Plg60.1966°,Azm214.7576° ; N Plg23.3689°,Azm353.7283°; P Plg17.4279°,Azm91.5240°
IDC Error ellipse: s-maj=8.8km s-min=6.8km az=81.0.
MAN Event type fe.
NEIC Event type se.
MOS Error ellipse: s-maj=6.3km s-min=3.7km az=115.9.
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=4.7km az=234.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; Mrr3.84 Mθθ-0.00 Mφφ-3.84 Mrθ-0.75 Mθφ-0.64 Mφr3.27 NP1:φs202.39000°,δ26.94000°,λ114.51000°. NP2:φs355.31000° ,δ65.66000°,λ78.09000°. Principal axes: T 5.2054,Plg67.0000°,Azm243.0000° ; N -0.1415,Plg11.0000°,Azm0.0000°; P -5.0639,Plg20.0000°,Azm94.0000° Mo5.14000×10^{17}
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 3s1 Moment tensor: Scale 10^{17}Nm; Mrr3.13 Mθθ-0.56 Mφφ-2.57 Mrθ-0.59 Mθφ0.55 Mφr3.26 NP1:φs348.64000°,δ69.29000° ,λ91.71000°. NP2:φs163.80000°,δ20.78000°,λ85.48000°. Principal axes: T 4.6289,Plg66.0000°,Azm262.0000°; N -0.4302,Plg2.0000°,Azm168.0000° ; P -4.1986,Plg24.0000°,Azm77.0000° Mo4.41000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s144,c251; s160,c330;Duration: 1s8 Moment tensor: Scale 10^{17}Nm; Mrr3.08±.03 Mθθ-0.25±.03; Mφφ-2.82±.03; Mrθ-1.39±.08; Mθφ0.54±.02; Mφr3.46±.07; Best double couple: NP1:φs341.00000°,δ71.00000°,λ85.00000°. NP2:φs175.00000°,δ20.00000°,λ104.00000°. Principal axes: T 4.8910,Plg64.0000° ,Azm243.0000°; N -0.2040,Plg5.0000°,Azm342.0000°; P -4.6810,Plg26.0000°,Azm75.0000° Mo4.78600×10^{17}
BGR Event type ke.

(248) Philippine Islands region

ISC IV 10 11 08 17.1–.36 5.66N–.03 127.14E–.05 56–2 5.2b,4.6s 752 2-177
NEIC IV 10 11 08 11.8–1.8 5.72N–.06 127.25E–.08 10–1 5.2b,5.1 ¶610524857
BJI IV 10 11 08 12.6–.00 5.34N 127.47E 69 5.8b,5.1b
MOS IV 10 11 08 13.2–1.0 5.80N 127.14E 38 5.5b,5.1b
IDC IV 10 11 08 14.9–1.3 5.73N 127.10E 38–10 4.8,4.6s
MAN IV 10 11 08 15.5 5.76N 127.32E 54 5.7b,5.1s
GCMT IV 10 11 08 16.9–.30 5.64N–.02 127.39E–.02 32–1 5.2W,5.1s

NEIC IV 10 11 08 16.4 5.82N 127.22E 30 5.2W,5.1s
NEIC IV 10 11 08 16.4 5.72N 127.22E 30 5.2W,5.1s
DJA IV 10 11 08 19.2–.30 6N–2.0 127E–2.0 65–3 6.2,6.2
ISC Event type se. Moment Tensor Solution. NP1:φs215.53864°,δ14.25034°,λ118.50372°. NP2: φs6.27760°,δ77.50695°,λ83.08943°. Principal axes: T Plg56.9622°,Azm267.2997° ; N Plg6.7462°,Azm7.7794°; P Plg32.1668°,Azm102.0459° Moment Tensor Solution. NP1: φs208.05411°,δ86.31234°,λ-133.41295°. NP2:φs114.16496°,δ43.53820°,λ-5.35756°. Principal axes: T Plg27.8471°,Azm331.3941°; N Plg43.3008°,Azm211.5362°; P Plg33.9226° ,Azm82.2058°
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s44,c52; s79,c120;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr5.67±.36 Mθθ1.26±.22; Mφφ-6.93±.23; Mrθ1.46±.27; Mθφ-0.84±.16; Mφr2.95±.29; Best double couple: NP1:φs17.00000°,δ59.00000°,λ103.00000°. NP2:φs172.00000°,δ33.00000°,λ69.00000°. Principal axes: T 6.6190,Plg73.0000° ,Azm320.0000°; N 1.1130,Plg11.0000°,Azm190.0000°; P -7.7330,Plg13.0000°,Azm98.0000° M0 7.17600$\times 10^{16}$
NEIC Event type se. Moment Tensor Solution.Duration: 1s9 Moment tensor: Scale 10^{16}Nm; Mrr4.10 Mθθ1.78 Mφφ-5.88 Mrθ1.73 Mθφ0.98 Mφr2.48 NP1:φs17.38000°,δ62.62000° ,λ120.43000°. NP2:φs145.43000°,δ40.03000°,λ45.63000°. Principal axes: T 5.6350,Plg60.0000°,Azm333.0000°; N 0.8722,Plg27.0000°,Azm182.0000° ; P -6.5072,Plg12.0000°,Azm86.0000° M0 6.07000$\times 10^{16}$
NEIC Event type se.

(248) Philippine Islands region
ISC IV 10 14 16 59.3–.37 5.62N–.04 127.29E–.06 53 4.5b,3.8s 116 2-123
MAN IV 10 14 16 53.3 5.31N 127.60E 89 5.6b,4.9s **¶610525134**
NEIC IV 10 14 16 54.8–2.8 5.65N–.07 127.30E–.10 10–1 4.6b,4.9s
IDC IV 10 14 17 01.2–1.9 5.63N 127.39E 80–17 4.1,3.7s
DJA IV 10 14 17 01.1–.50 6N–3.0 127E–3.0 62–4 5.0b,4.8
ISC Event type se. Moment Tensor Solution. NP1:φs132.24925°,δ26.47641°,λ13.39394°. NP2: φs30.21689°,δ84.07226°,λ115.85114°. Principal axes: T Plg44.9080°,Azm326.0235° ; N Plg25.7028°,Azm207.3523°; P Plg34.0501°,Azm98.3702°
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(248) Philippine Islands region
ISC IV 11 02 50 43.3–.41 5.67N–.03 127.40E–.04 50–3 5.1b,4.5s 834 2-160
MOS IV 11 02 50 37.1–.87 5.76N 127.14E 11 5.5b,4.4s **¶610526212**
MAN IV 11 02 50 39.0 5.58N 127.70E 34 5.5b,4.8s
NEIC IV 11 02 50 39.0–1.4 5.66N–.06 127.32E–.07 10–1 5.2b,5.0
BJI IV 11 02 50 41.1–.00 5.49N 127.51E 65 5.1b,5.1b
IDC IV 11 02 50 42.5–1.3 5.59N 127.59E 43–10 4.8,4.5b
GCMT IV 11 02 50 43.0–.20 5.48N–.02 127.57E–.01 32–0 5.1W,4.5b
NEIC IV 11 02 50 44.8 5.71N 127.29E 26 5.1W,4.5b
NEIC IV 11 02 50 44.8 5.71N 127.29E 26 5.1W,4.5b
KLM IV 11 02 50 45 5.77N 127.52E 64 5.2b,4.5b
DJA IV 11 02 50 45.2–.40 6N–3.0 127E–2.0 60–3 5.5b,5.3
ISC Event type se. Moment Tensor Solution. NP1:φs170.28847°,δ28.97681°,λ101.40480°. NP2: φs337.30368°,δ61.64782°,λ83.75077°. Principal axes: T Plg72.6279°,Azm232.3645° ; N Plg5.4971°,Azm340.2805°; P Plg16.4268°,Azm71.9064° Moment Tensor Solution. NP1: φs133.18398°,δ22.31775°,λ6.60549°. NP2:φs37.06939°,δ87.49637°,λ112.18401°. Principal axes: T Plg43.2378°,Azm328.5684°; N Plg22.1617°,Azm216.0489°; P Plg38.5539° ,Azm107.1065°
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s72,c89; s100,c130;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr4.94±.23 Mθθ1.44±.15; Mφφ-6.38±.17; Mrθ-0.03±.22; Mθφ-1.13±.13; Mφr2.56±.22; Best double couple: NP1:φs3.00000°,δ57.00000°,λ84.00000°. NP2:φs195.00000°,δ33.00000°,λ100.00000°. Principal axes: T 5.5100,Plg77.0000° ,Azm253.0000°; N 1.5630,Plg5.0000°,Azm6.0000°; P -7.0740,Plg12.0000°,Azm98.0000° M0 6.29200$\times 10^{16}$
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 1s7 Moment tensor: Scale 10^{16}Nm; Mrr2.65 Mθθ1.36 Mφφ-4.01 Mrθ1.26 Mθφ0.71 Mφr2.73 NP1:φs17.52000°,δ68.71000° ,λ117.07000°. NP2:φs142.92000°,δ33.93000°,λ40.58000°. Principal axes: T 4.3183,Plg58.0000°,Azm324.0000°; N 0.6803,Plg25.0000°,Azm187.0000° ; P -4.9985,Plg19.0000°,Azm88.0000° M0 4.66000$\times 10^{16}$

(260) East of Philippine Islands
ISC IV 11 14 42 19.0–.38 5.65N–.02 127.20E–.03 27–2 5.5b,5.5s 1355 2-171
MAN IV 11 14 41 52.4 5.12N 128.27E 15 5.6b,4.9s **¶610652465**
NEIC IV 11 14 42 15.8 5.77N 127.53E 20 5.6b,4.9s
NEIC IV 11 14 42 15.8 5.67N 127.12E 20 5.6b,4.9s
MOS IV 11 14 42 15.0–1.0 5.72N 127.17E 13 5.8b,5.4s
BJI IV 11 14 42 16.5–.00 5.75N 127.20E 10 5.6b,5.6s
NEIC IV 11 14 42 16.5–1.5 5.71N–.07 127.10E–.08 12–1 5.7,5.6b
NEIC IV 11 14 42 16.6 5.68N 127.10E 13 5.7,5.6b
IDC IV 11 14 42 19.7–1.4 5.72N 127.28E 33–10 5.4s,5.1
GCMT IV 11 14 42 20.5–.10 5.57N–.01 127.58E–.01 24–0 5.7W,5.1
DJA IV 11 14 42 21.7–.30 6N–2.0 127E–2.0 51–3 5.9b,5.7
KLM IV 11 14 42 22 5.67N 127.60E 68 5.7b,5.7
ISC Event type se. Moment Tensor Solution. NP1:φs89.58447°,δ19.87694°,λ-19.27943°. NP2: φs197.79326°,δ83.55439°,λ-108.84295°. Principal axes: T Plg35.8455°,Azm304.1573° ; N Plg18.7194°,Azm199.9872°; P Plg48.1042°,Azm87.7947°
NEIC Event type se. Moment Tensor Solution.Duration: 3s2 Moment tensor: Scale 10^{17}Nm; Mrr2.60 Mθθ0.64 Mφφ-3.24 Mrθ0.73 Mθφ0.55 Mφr3.42 NP1:φs8.38000°,δ70.73000°,λ103.77000°. NP2:φs151.77000°,δ23.53000°,λ55.74000°. Principal axes: T 4.3875,Plg62.0000° ,Azm299.0000°; N 0.4342,Plg13.0000°,Azm184.0000°; P -4.8217,Plg25.0000°,Azm88.0000° M0 4.60000$\times 10^{17}$
NEIC Event type se.
MOS Error ellipse: s-maj=7.7km s-min=4.0km az=112.5.
NEIC Event type se. Error ellipse: s-maj=13.8km s-min=11.4km az=234.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; Mrr1.84 Mθθ-0.37 Mφφ-1.50 Mrθ0.88 Mθφ0.65 Mφr2.08 NP1:φs8.14000°,δ71.56000°,λ109.11000°. NP2:φs140.54000°,δ26.31000° ,λ45.53000°. Principal axes: T 3.1688,Plg59.0000°,Azm305.0000°; N -0.6534,Plg18.0000° ,Azm182.0000°; P -2.5154,Plg24.0000°,Azm83.0000° M0 2.90000$\times 10^{17}$
NEIC Event type se.
IDC Error ellipse: s-maj=12.4km s-min=7.9km az=74.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s143,c263; s152,c286;Duration: 1s7 Moment tensor: Scale 10^{17}Nm; Mrr3.73±.05 Mθθ0.38±.04; Mφφ-4.11±.04; Mrθ0.60±.06; Mθφ0.05±.03; Mφr2.13±.07; Best double couple: NP1:φs8.00000°,δ60.00000°,λ99.00000°. NP2:φs170.00000°,δ31.00000°,λ75.00000°. Principal axes: T 4.3590,Plg74.0000° ,Azm301.0000°; N 0.2900,Plg8.0000°,Azm183.0000°; P -4.6530,Plg14.0000°,Azm91.0000° M0 4.50600$\times 10^{17}$

(248) Philippine Islands region
ISC IV 11 15 15 19.3–.79 5.61N–.05 127.52E–.08 10 4.2b 29 2-59
IDC IV 11 15 15 17.0–.94 5.50N 127.06E 0 4.1,4.1b **¶610652472**
DJA IV 11 15 15 27.3–.50 5N–3.0 127E–4.0 46–18 5.7b,5.3
MAN IV 11 15 15 29.7 5.96N 127.06E 22 4.9b,3.8L
ISC Event type ke.
IDC Error ellipse: s-maj=56.4km s-min=17.5km az=76.0.

(248) Philippine Islands region
ISC IV 11 17 41 23.8–.41 5.62N–.03 127.27E–.03 46–3 5.2b,4.6s 1031 2-167
BJI IV 11 17 41 17.7–.00 5.27N 127.46E 39 5.2b,5.2b **¶611832285**
MOS IV 11 17 41 18.4–.89 5.76N 127.16E 17 5.5b,4.6s
NEIC IV 11 17 41 19.1–1.8 5.74N–.05 127.32E–.06 9–1 5.3b,5.2
NEIC IV 11 17 41 19.5 5.34N 127.29E 24 5.3b,5.2
NEIC IV 11 17 41 19.5 5.73N 127.28E 10 5.3b,5.2
NEIC IV 11 17 41 19.5 5.74N 127.29E 24 5.3b,5.2
MAN IV 11 17 41 22.4 5.79N 127.49E 31 5.6b,5.0s
IDC IV 11 17 41 22.5–1.6 5.66N 127.22E 35–11 5.1,4.9b
GCMT IV 11 17 41 24.1–.10 5.56N–.01 127.49E–.01 29–0 5.3W,4.9b
DJA IV 11 17 41 26.0–.30 6N–2.0 127E–2.0 66–3 5.6,5.5b
ISC Event type se. Moment Tensor Solution. NP1:φs119.19597°,δ25.00392°,λ12.86857°. NP2: φs17.49859°,δ84.59833°,λ114.45020°. Principal axes: T Plg45.0239°,Azm311.9596° ; N Plg24.3346°,Azm195.0477°; P Plg35.0486°,Azm86.5518°
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; Mrr5.57 Mθθ1.95 Mφφ-7.51 Mrθ0.30 Mθφ1.54 Mφr4.07 NP1:φs157.61000°,δ30.84000°,λ69.72000°. NP2:φs0.90000°,δ61.26000° ,λ101.69000°. Principal axes: T 6.8376,Plg71.0000°,Azm297.0000°; N 2.0193,Plg10.0000° ,Azm175.0000°; P -8.8569,Plg15.0000°,Azm82.0000° M0 8.04000$\times 10^{16}$
NEIC Event type se. Moment Tensor Solution.Duration: 1s9 Moment tensor: Scale 10^{16}Nm; Mrr6.48 Mθθ0.72 Mφφ-7.20 Mrθ2.70 Mθφ0.67 Mφr0.52 NP1:φs15.71000°,δ50.22000° ,λ119.04000°. NP2:φs154.76000°,δ47.79000°,λ59.76000°. Principal axes: T 7.5829,Plg68.0000°,Azm352.0000°; N -0.3201,Plg22.0000°,Azm176.0000° ; P -7.2628,Plg1.0000°,Azm86.0000° M0 7.42000$\times 10^{16}$
NEIC Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s107,c164; s116,c200;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; Mrr0.77±.02 Mθθ0.12±.01; Mφφ-0.89±.01; Mrθ0.08±.02; Mθφ-0.01±.01; Mφr0.54±.03; Best double couple: NP1:φs5.00000°,δ62.00000°,λ95.00000°. NP2:φs175.00000°,δ29.00000°,λ81.00000°. Principal axes: T 0.9370,Plg73.0000° ,Azm287.0000°; N 0.1180,Plg4.0000°,Azm183.0000°; P -1.0550,Plg17.0000°,Azm92.0000° M0 0.99600$\times 10^{17}$

(259) Mindanao
ISC IV 11 21 21 02.0–.37 7.60N–.02 124.79E–.02 17–2 5.5s,5.4b 1247 1-170
BJI IV 11 21 20 57.6–.00 7.39N 125.24E 24 5.9s,5.7 **¶610526844**
MOS IV 11 21 20 58.8–.83 7.69N 124.80E 9 5.6b,5.4s
MAN IV 11 21 20 58.9 7.71N 124.66E 1 6.3b,6.0s
NEIC IV 11 21 21 00.9–1.2 7.68N–.06 124.81E–.06 8–3 5.8,5.8
GCMT IV 11 21 21 00.9–.10 7.74N 124.70E 12 5.8W,5.8
NEIC IV 11 21 21 00.8 7.67N 124.80E 14 5.8W,5.8
NEIC IV 11 21 21 00.5 7.67N 124.79E 5 5.8W,5.8
NEIC IV 11 21 21 00.8 7.77N 124.80E 14 5.8W,5.8
KLM IV 11 21 21 03 7.40N 125.04E 16 5.5b,5.8
IDC IV 11 21 21 03.6–2.0 7.66N 124.83E 29–14 5.4s,4.9
DJA IV 11 21 21 03.7–.50 8N–2.0 125E–2.0 31–4 6.0b,6.0
ISC Event type fe.
MAN Event type fe. INTENSITY VII - WAO LANAO DEL SUR; KALILANGAN BUKIDNON; INTENSITY VI- AMAI MANABILANG LANAO DEL SUR; INTENSITY V- BANISILAN COTABATO; PANGANTUKAN BUKIDNON; INTENSITY IV- CAGAYAN DE ORO CITY; DAVAO CITY; COTABATO CITY; ILIGAN CITY; GINOOG CITY MISAMIS ; ORIENTAL; MATALAM NORTH COTABATO; VALENCIA AND MARAMAG BUKIDNON; INTENSITY III- KABACAN AND ARAKAN NORTH COTABATO; LEBAK SULTAN KUDARAT; PIKIT COTABATO; ; QUEZON AND DON CARLOS BUKIDNON; INTENSITY II- KIDAPAWAN CITY; KORONADAL CITY; TAGUM CITY; ANTIPAS AND CARMEN COTABATO; PRES. ; ROXAS NORTH COTABATO; CAMIGUIN.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; Mrr0.72 Mθθ4.76 Mφφ-5.48 Mrθ0.97 Mθφ0.27 Mφr1.37 NP1:φs42.96000°,δ88.75000°,λ161.74000°. NP2:φs133.37000°,δ71.75000° ,λ1.32000°. Principal axes: T 5.0091,Plg14.0000°,Azm357.0000°; N 0.7568,Plg72.0000° ,Azm219.0000°; P -5.7659,Plg12.0000°,Azm90.0000° M0 5.43000$\times 10^{17}$
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s136,c266; s152,c472; Duration: 2s0 Moment tensor: Scale 10^{17}Nm; Mrr-0.94±.05 Mθθ7.35±.04; Mφφ-6.41±.06; Mrθ-0.05±.11; Mθφ0.13±.05; Mφr-0.03±.13; Best double couple: NP1:φs224.00000°,δ90.00000° ,λ180.00000°. NP2:φs314.00000°,δ90.00000°,λ0.00000°. Principal axes: T 7.3510,Plg0.0000°,Azm179.0000°; N -0.9410,Plg90.0000°,Azm44.0000° ; P -6.4110,Plg0.0000°,Azm269.0000° M0 6.88100$\times 10^{17}$
NEIC Event type se.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 4s4 Moment tensor: Scale 10^{17}Nm; Mrr-0.84 Mθθ7.64 Mφφ-6.80 Mrθ0.70 Mθφ-0.74 Mφr-0.12 NP1:φs138.01000°,δ87.20000° ,λ3.89000°. NP2:φs47.82000°,δ86.12000°,λ177.19000°. Principal axes: T 7.7351,Plg5.0000° ,Azm3.0000°; N -0.8979,Plg85.0000°,Azm174.0000°; P -6.8372,Plg1.0000°,Azm273.0000° M0 7.29000$\times 10^{17}$

(259) Mindanao
ISC IV 11 21 51 53.1–1.1 7.59N–.03 124.83E–.03 25–9 4.4b 84 1-97
MAN IV 11 21 51 49.0 7.64N 124.60E 1 4.3b,3.1L **¶610652503**
NEIC IV 11 21 51 52.5–2.0 7.51N–.08 124.85E–.07 10–1 4.6b,3.1L
IDC IV 11 21 51 53.2–2.4 7.61N 124.81E 35–19 4.0,3.8b
DJA IV 11 21 51 55.3–.60 7N–5.0 125E–4.0 44–8 6.7,6.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(209) Western Caroline Islands
ISC IV 11 21 54 23.4–.40 11.61N–.05 141.42E–.06 27–2 4.9b,4.7s 393 4-151
BJI IV 11 21 54 17.6–.00 11.35N 141.59E 13 5.9b,4.9s **¶610526841**
IDC IV 11 21 54 19.1–.54 11.59N 141.50E 0 4.4,4.4b
NEIC IV 11 21 54 23.9–.91 11.59N–.09 141.5E–.10 30–5 4.9b,4.4b
GCMT IV 11 21 54 25.9–.40 11.51N–.03 141.45E–.05 27–1 5.0W,4.4b
DJA IV 11 21 54 28.0–1.2 12N–11 141E–14 50–20 5.8b,5.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s17,c21; s65,c95;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr3.37±.35 Mθθ-3.05±.20; Mφφ-0.32±.19; Mrθ-0.23±.29; Mθφ-0.35±.11; Mφr1.09±.42; Best double couple: NP1:φs278.00000°,δ48.00000°,λ111.00000°. NP2:φs68.00000°,δ46.00000°,λ68.00000°. Principal axes: T 3.6820,Plg74.0000° ,Azm260.0000°; N -0.5870,Plg16.0000°,Azm83.0000°; P -3.0950,Plg1.0000°,Azm353.0000° M0 3.38800$\times 10^{16}$

(259) Mindanao
ISC IV 12 20 01 07.0–.39 7.63N–.02 124.76E–.02 18–1 5.3b,5.1s 1128 1-170
MAN IV 12 20 01 04.8 7.66N 124.69E 2 5.8b,5.3s **¶610527185**
MOS IV 12 20 01 05.4–1.0 7.65N 124.86E 25 5.5b,5.0s
NEIC IV 12 20 01 05.6–2.1 7.72N–.06 124.86E–.06 10–1 5.5,5.4b
NEIC IV 12 20 01 05.6 7.72N 124.86E 14 5.5,5.4b
NEIC IV 12 20 01 05.6 7.72N 124.86E 14 5.5,5.4b
GCMT IV 12 20 01 06.6–.10 7.73N–.01 124.75E–.01 12 5.5W,5.4b
IDC IV 12 20 01 08.5–1.6 7.58N 124.82E 34–12 4.9s,4.8
DJA IV 12 20 01 09.1–.50 8N–2.0 125E–2.0 34–4 5.8b,5.6
KLM IV 12 20 01 11 7.60N 124.85E 40 5.5b,5.6
ISC Event type fe. Moment Tensor Solution. NP1:φs151.89459°,δ68.08639°,λ22.87234°. NP2: φs52.94756°,δ68.86318°,λ156.41382°. Principal axes: T Plg31.2570°,Azm12.2419° ; N Plg58.7378°,Azm193.3937°; P Plg0.5110°,Azm102.5520°
MAN Event type fe. INTENSITY VI - KALILANGAN BUKIDNON; INTENSITY V - WAO LANAO DEL SUR; VALENCIA CITY; INTENSITY IV - KADINGILAN MARAMAG & PANGANTUCAN BUKIDNON ; INTENSITY III - CAGAYAN DE ORO CITY; QUEZON DON CARLOS KIBAWE MANOLO FORTICH BUKIDNON; INTENSITY II - COTABATO CITY; KIDAPAWAN CITY.
MOS Error ellipse: s-maj=8.0km s-min=4.2km az=116.2.
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=8.1km az=229.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2s1.0 Moment tensor: Scale 10^{17}Nm; Mrr-0.30 Mθθ2.40 Mφφ-2.10 Mrθ0.12 Mθφ-1.17 Mφr-0.53 NP1:φs328.09000°,δ84.53000° ,λ-12.30000°. NP2:φs59.28000°,δ77.75000°,λ-174.41000°. Principal axes: T 2.7078,Plg5.0000°,Azm14.0000°; N -0.2099,Plg77.0000°,Azm124.0000° ; P -2.4979,Plg13.0000°,Azm283.0000° M0 2.60000$\times 10^{17}$
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s117,c182; s148,c270;Duration: 1s4 Moment tensor: Scale 10^{17}Nm; Mrr-0.56±.03 Mθθ2.69±.02; Mφφ-2.13±.03; Mrθ0.03±.07; Mθφ-0.46±.03; Mφr0.54±.09; Best double couple: NP1:φs139.00000°,δ78.00000°,λ-12.00000°. NP2:φs232.00000°,δ78.00000°,λ-168.00000°. Principal axes: T 2.7330,Plg0.0000° ,Azm185.0000°; N -0.3960,Plg73.0000°,Azm276.0000°; P -2.3340,Plg17.0000° ,Azm95.0000° M0 2.53300$\times 10^{17}$
IDC Error ellipse: s-maj=16.0km s-min=9.9km az=73.0.

(135) Near coast of central Chile
ISC IV 13 03 42 52.0–.22 30.98S–.02 71.47W–.03 36–0 5.6b,4.7s 1190 0-177
VAO IV 13 03 42 49.2–.34 30.92S 71.38W 10 5.6b,4.7s **¶610527238**
SJA IV 13 03 42 49.0–1.6 31.00S 71.61W 20–14 5.4L,5.2W
MOS IV 13 03 42 50.6–.96 30.91S 71.34W 39 5.6b,4.7s
GUC IV 13 03 42 51.4–.74 30.98S 71.43W 48–2 5.3L,4.7s
IDC IV 13 03 42 52.1–.33 30.96S 71.29W 40–2 5.0,4.8b
NEIC IV 13 03 42 52.2–2.0 31.01S–.04 71.55W–.06 38–3 5.6b,5.4
NEIC IV 13 03 42 53.5 31.03S 71.42W 40 5.6b,5.4

NEIC	IV	13 03 42 53.5	31.03S	71.42W	40	5.6b,5.4		
NEIC	IV	13 03 42 53.3	31.03S	71.45W	40	5.6b,5.4		
GCMT	IV	13 03 42 56.2–.10	31.15S–.01	71.70W–.01	46–0	5.4W,5.4		

ISC Event type se. Moment Tensor Solution. NP1:φs143.68668°,δ31.94836°,λ47.72228°. NP2: φs10.66429°,δ66.95103°,λ112.75915°. Principal axes: T Plg61.2638°,Azm315.3430° ; N Plg20.8532°,Azm181.3367°; P Plg18.8537°,Azm83.8627°
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; Mrr1.30 Mθθ-0.10 Mφφ-1.20 Mrθ0.39 Mθφ0.59 Mφr-0.29 NP1:φs146.15000°,δ54.52000°,λ77.15000°. NP2:φs347.60000°,δ37.44000° ,λ107.33000°. Principal axes: T 1.4058,Plg76.0000°,Azm14.0000°; N 0.1142,Plg10.0000° ,Azm154.0000°; P -1.5201,Plg9.0000°,Azm245.0000° M0 1.47000$\times10^{17}$
NEIC Event type se. Moment Tensor Solution.Duration: 2s5 Moment tensor: Scale 10^{17}Nm; Mrr1.04 Mθθ0.03 Mφφ-1.08 Mrθ0.61 Mθφ0.51 Mφr-0.32 NP1:φs138.10000°,δ60.67000° ,λ66.22000°. NP2:φs0.08000°,δ37.08000°,λ125.67000°. Principal axes: T 1.3308,Plg66.0000°,Azm5.0000°; N 0.0607,Plg21.0000°,Azm150.0000° ; P -1.3915,Plg13.0000°,Azm245.0000° M0 1.36000$\times10^{17}$
NEIC Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s120,c174; s131,c214;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; Mrr1.20±.02 Mθθ0.08±.02; Mφφ-1.28±.02; Mrθ0.52±.01; Mθφ0.59±.01; Mφr-0.33±.02; Best double couple: NP1:φs143.00000°,δ58.00000°,λ69.00000°. NP2:φs358.00000°,δ38.00000°,λ119.00000°. Principal axes: T 1.4050,Plg70.0000° ,Azm7.0000°; N 0.1890,Plg17.0000°,Azm154.0000°; P -1.5910,Plg10.0000°,Azm247.0000° M0 1.49800$\times10^{17}$

(248) Philippine Islands region

ISC	**IV**	**13 16 05 49.9–.45**	**5.62N–.03**	**127.28E–.03**	**33–1**	**5.2b,5.2s**	**631**	**2-163**
MOS	IV	13 16 05 44.2–.89	5.72N	127.25E	9	5.4b,5.1s	**¶610527442**	
NEIC	IV	13 16 05 46.7	5.73N	127.33E	10	5.4b,5.1s		
NEIC	IV	13 16 05 46.7–1.8	5.73N–.05	127.30E–.07	10–1	5.5,5.5		
NEIC	IV	13 16 05 46.7	5.73N	127.31E	22	5.5,5.5		
NEIC	IV	13 16 05 46.7	5.63N	127.52E	22	5.5,5.5		
MAN	IV	13 16 05 47.2	5.63N	127.48E	9	5.8b,5.2s		
KLM	IV	13 16 05 51	5.77N	127.55E	30	5.5b,5.2s		
DJA	IV	13 16 05 51.1–.30	6N–2.0	127E–2.0	47–3	5.7,5.7b		
IDC	IV	13 16 05 51.3–1.1	5.65N	127.24E	51–9	5.0s,4.7		
GCMT	IV	13 16 05 53.7–.10	5.53N–.01	127.49E–.01	28–0	5.6W,4.7		

ISC Event type se. Moment Tensor Solution. NP1:φs348.84506°,δ69.95990°,λ66.17886°. NP2: φs221.02721°,δ30.74830°,λ137.91353°. Principal axes: T Plg58.2130°,Azm226.0144° ; N Plg22.2983°,Azm357.4481°; P Plg21.4318°,Azm96.7117°
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; Mrr1.43 Mθθ0.41 Mφφ-1.83 Mrθ0.35 Mθφ-0.04 Mφr1.25 NP1:φs166.82000°,δ27.53000°,λ67.56000°. NP2:φs11.79000°,δ64.71000° ,λ101.25000°. Principal axes: T 1.9150,Plg68.0000°,Azm304.0000°; N 0.3495,Plg10.0000° ,Azm187.0000°; P -2.2645,Plg19.0000°,Azm93.0000° M0 2.11000$\times10^{17}$
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2s1.0 Moment tensor: Scale 10^{17}Nm; Mrr1.70 Mθθ0.43 Mφφ-2.13 Mrθ0.49 Mθφ0.27 Mφr1.04 NP1:φs11.74000°,δ61.22000° ,λ110.54000°. NP2:φs153.85000°,δ34.84000°,λ57.43000°. Principal axes: T 2.1367,Plg67.0000°,Azm321.0000°; N 0.2654,Plg18.0000°,Azm182.0000° ; P -2.4020,Plg14.0000°,Azm87.0000° M0 2.27000$\times10^{17}$
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s133,c217; s144,c256;Duration: 1s5 Moment tensor: Scale 10^{17}Nm; Mrr2.13±.04 Mθθ0.52±.03; Mφφ-2.64±.03; Mrθ0.73±.06; Mθφ0.08±.03; Mφr1.47±.07; Best double couple: NP1:φs16.00000°,δ63.00000°,λ109.00000°. NP2:φs159.00000°,δ32.00000°,λ58.00000°. Principal axes: T 2.7810,Plg67.0000° ,Azm320.0000°; N 0.2860,Plg17.0000°,Azm187.0000°; P -3.0610,Plg16.0000°,Azm92.0000° M0 2.92100$\times10^{17}$

(408) Ascension Island region

ISC	**IV**	**13 21 11 36.2–.28**	**5.28S–.05**	**11.49W–.06**	**13**	**5.0b,4.1s**	**623**	**4-138**
IDC	IV	13 21 11 34.4–.44	5.31S	11.50W	0	4.6,4.6b	**¶610527977**	
MOS	IV	13 21 11 34.7–.85	5.24S	11.52W	14	5.1b,4.6b		
BJI	IV	13 21 11 35.0–.00	5.30S	11.50W	10	5.7b,5.4s		
NEIC	IV	13 21 11 36.4–1.4	5.3S–.10	11.51W–.09	10–1	5.0b,5.4s		
GCMT	IV	13 21 11 38.4–.20	5.32S–.03	11.48W–.01	12	4.9W,5.4s		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s29,c30; s111,c146;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr-2.55±.06 Mθθ0.01±.07; Mφφ2.54±.06; Mrθ-0.51±.30; Mθφ0.05±.05; Mφr-0.73±.22; Best double couple: NP1:φs11.00000°,δ54.00000°,λ-78.00000°. NP2:φs171.00000°,δ38.00000°,λ-106.00000°. Principal axes: T 2.6480,Plg8.0000° ,Azm93.0000°; N 0.0930,Plg10.0000°,Azm184.0000°; P -2.7440,Plg77.0000°,Azm323.0000° M0 2.69600$\times10^{16}$

(410) Southern Mid-Atlantic Ridge

ISC	**IV**	**14 05 29 37.5–.64**	**12.38S–.05**	**14.77W–.04**	**10–3**	**5.5b,5.0s**	**1114**	**3-152**
MOS	IV	14 05 29 35.8–.97	12.37S	14.78W	10	5.6b,5.0s	**¶611832305**	
IDC	IV	14 05 29 35.8–.36	12.41S	14.78W	0	5.0,5.0b		
NEIC	IV	14 05 29 38.1–1.3	12.36S–.08	14.80W–.08	10–1	5.6b,5.2		
NEIC	IV	14 05 29 38.1	12.36S	14.80W	16	5.6b,5.2		
NEIC	IV	14 05 29 38.1	12.36S	14.80W	16	5.6b,5.2		
GCMT	IV	14 05 29 42.1–.10	12.25S–.01	14.84W–.01	12	5.2W,5.2		
BGR	IV	14 05 29 45.4	11.75S	13.19W	34–0	5.8b,4.9s		

ISC Event type se. Moment Tensor Solution. NP1:φs16.79869°,δ88.06297°,λ-117.48859°. NP2: φs283.08182°,δ27.55145°,λ-4.19070°. Principal axes: T Plg37.0863°,Azm130.9494° ; N Plg27.4716°,Azm17.8063°; P Plg40.6034°,Azm261.3386° Moment Tensor Solution. NP1: φs335.22217°,δ83.15810°,λ-156.97928°. NP2:φs242.32440°,δ67.15253°,λ-7.42756°. Principal axes: T Plg10.9713°,Azm106.7445°; N Plg66.0372°,Azm350.8841°; P Plg21.0261° ,Azm201.0179°
MOS Error ellipse: s-maj=8.8km s-min=4.8km az=61.8.
IDC Error ellipse: s-maj=13.1km s-min=10.5km az=125.0.
NEIC Event type se. Error ellipse: s-maj=14.9km s-min=12.9km az=228.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution.Duration: 1s9 Moment tensor: Scale 10^{16}Nm; Mrr1.51 Mθθ-2.27 Mφφ0.76 Mrθ-2.88 Mθφ6.16 Mφr-0.32 NP1:φs265.51000°,δ83.08000° ,λ26.59000°. NP2:φs172.06000°,δ63.62000°,λ172.27000°. Principal axes: T 6.4814,Plg24.0000°,Azm132.0000°; N 1.1073,Plg63.0000°,Azm279.0000° ; P -7.5886,Plg13.0000°,Azm36.0000° M0 7.03000$\times10^{16}$
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s77,c111; s132,c228;Duration: 1s0 Moment tensor: Scale 10^{16}Nm; Mrr1.10±.12 Mθθ-2.26±.12; Mφφ1.17±.12; Mrθ0.05±.30; Mθφ6.49±.09; Mφr-6.27±.31; Best double couple: NP1:φs171.00000°,δ84.00000°,λ137.00000°. NP2:φs266.00000°,δ47.00000°,λ8.00000°. Principal axes: T 9.4400,Plg33.0000° ,Azm119.0000°; N -0.4140,Plg47.0000°,Azm345.0000°; P -9.0150,Plg24.0000° ,Azm226.0000° M0 9.22800$\times10^{16}$
BGR Event type ke.

(259) Mindanao

ISC	**IV**	**14 14 02 52.7–.00**	**7.66N–.02**	**124.70E–.02**	**14–6**	**4.4b,3.3s**	**138**	**1-144**
MAN	IV	14 14 02 51.1	7.69N	124.72E	3	5.5b,4.7s	**¶610528147**	
DJA	IV	14 14 02 51.5–.90	8N–8.0	125E–5.0	68–14	5.1,5.0b		
NEIC	IV	14 14 02 52.6–1.5	7.64N–.10	124.81E–.08	10–1	4.6b,5.0b		
IDC	IV	14 14 02 57.6–1.6	7.52N	124.76E	59–15	4.2,3.9b		

ISC Event type fe.
MAN Event type fe. INTENSITY V- KALILANGAN BUKIDNON; INTENSITY III - WAO LANAO DEL SUR; PANGANTUCAN BUKIDNON; INTENSITY II - MARAMAG QUEZON AND VALENCIA CITY BUKIDNON; CAGAYAN DE ORO CITY.
NEIC Event type se. Error ellipse: s-maj=17.4km s-min=11.0km az=27.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=26.0km s-min=12.0km az=71.0.

(250) Mindoro

ISC	**IV**	**15 19 37 23.5–.66**	**13.55N–.03**	**120.80E–.03**	**10**	**3.4b**	**43**	**0-46**
IDC	IV	15 19 37 22.5–1.1	13.49N	121.11E	0	3.5,3.5b	**¶610652816**	
MAN	IV	15 19 37 22.4	13.57N	120.75E	4	5.5b,4.7s		

ISC Event type ke.
IDC Error ellipse: s-maj=46.8km s-min=9.1km az=75.0.

(259) Mindanao

ISC	**IV**	**15 20 40 58.4–.45**	**7.68N–.02**	**124.71E–.02**	**26–3**	**4.9b,4.5s**	**703**	**1-179**
BJI	IV	15 20 40 53.9–.00	7.66N	124.84E	9	4.9b,4.8s	**¶610528532**	
MOS	IV	15 20 40 54.4–.95	7.70N	124.75E	15	5.1b,4.5s		
IDC	IV	15 20 40 54.2–.47	7.61N	124.59E	0	4.4,4.4b		
MAN	IV	15 20 40 55.5	7.75N	124.68E	1	5.8b,5.3s		
NEIC	IV	15 20 40 56.4–1.1	7.74N–.06	124.80E–.06	10–1	5.0b,5.3s		
GCMT	IV	15 20 40 57.4–.10	7.76N–.01	124.69E–.01	17–0	5.2W,5.3s		
DJA	IV	15 20 41 03.6–.50	7N–3.0	125E–3.0	40–5	5.5,5.5b		

ISC Event type fe.
MAN Event type fe. INTENSITY V - WAO LANAO DEL SUR; INTENSITY IV - KALILANGAN BUKIDNON; INTENSITY III - COTABATO CITY LEBAK SULTAN KUDARAT; INTENSITY II- CAGAYAN DE ORO CITY; PANGANTUCAN MARAMAG VALENCIA CITY AND QUEZON BUKIDNON.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s82,c107; s131,c230;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; Mrr-0.23±.02 Mθθ0.81±.01; Mφφ-0.57±.01; Mrθ-0.02±.03; Mθφ-0.03±.01; Mφr0.21±.04; Best double couple: NP1:φs133.00000°,δ74.00000°,λ-19.00000°. NP2:φs229.00000°,δ72.00000°,λ-163.00000°. Principal axes: T 0.8090,Plg1.0000° ,Azm182.0000°; N -0.1350,Plg65.0000°,Azm274.0000°; P -0.6750,Plg25.0000° ,Azm91.0000° M0 0.74200$\times10^{17}$

(425) South Indian Ocean

ISC	**IV**	**16 09 44 05.8–.34**	**7.36S–.03**	**83.11E–.03**	**19–1**	**5.5b,5.3s**	**1587**	**11-170**
BJI	IV	16 09 43 59.4–.00	8.17S	82.99E	30	5.6s,5.5b	**¶611832585**	
IDC	IV	16 09 44 02.4–.32	7.40S	83.14E	0	5.5L,5.1		
MOS	IV	16 09 44 04.7–.92	7.28S	83.23E	23	5.7b,5.2s		
NEIC	IV	16 09 44 05.8–2.3	7.37S–.08	83.17E–.07	10–1	5.7b,5.6		
GCMT	IV	16 09 44 06.9–.10	7.37S–.01	83.09E–.01	32–0	5.7W,5.6		
NEIC	IV	16 09 44 06.1	7.33S	83.18E	36	5.7W,5.6		
NEIC	IV	16 09 44 06.1	7.33S	82.97E	36	5.7W,5.6		
NEIC	IV	16 09 44 06.2	7.32S	83.18E	10	5.7W,5.6		

ISC Event type se.
IDC Error ellipse: s-maj=13.0km s-min=10.2km az=44.0.
MOS Error ellipse: s-maj=6.8km s-min=3.8km az=108.8.
NEIC Event type se. Error ellipse: s-maj=14.2km s-min=12.0km az=180.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; Mrr1.25 Mθθ-3.72 Mφφ2.48 Mrθ0.35 Mθφ-0.84 Mφr0.08 NP1:φs307.47000°,δ86.27000°,λ-178.00000°. NP2:φs217.34000°,δ88.01000° ,λ-3.73000°. Principal axes: T 2.5901,Plg1.0000°,Azm262.0000°; N 1.2712,Plg86.0000° ,Azm9.0000°; P -3.8613,Plg4.0000°,Azm172.0000° M0 3.41000$\times10^{17}$
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s131,c227; s153,c310;Duration: 1s7 Moment tensor: Scale 10^{17}Nm; Mrr1.69±.07 Mθθ-4.68±.05; Mφφ2.99±.06; Mrθ1.45±.09; Mθφ-1.49±.04; Mφr0.05±.09; Best double couple: NP1:φs304.00000°,δ88.00000°,λ-165.00000°. NP2:φs213.00000°,δ75.00000°,λ-2.00000°. Principal axes: T 3.3030,Plg9.0000° ,Azm78.0000°; N 1.9530,Plg75.0000°,Azm311.0000°; P -5.2560,Plg12.0000°,Azm170.0000° M0 4.28000$\times10^{17}$
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2s1.0 Moment tensor: Scale 10^{17}Nm; Mrr1.02 Mθθ-3.34 Mφφ2.31 Mrθ1.16 Mθφ-1.88 Mφr0.57 NP1:φs208.06000°,δ85.52000° ,λ-14.85000°. NP2:φs299.25000°,δ75.20000°,λ-175.37000°. Principal axes: T 2.9057,Plg7.0000°,Azm255.0000°; N 1.3068,Plg75.0000°,Azm12.0000° ; P -4.2124,Plg14.0000°,Azm163.0000° M0 3.56000$\times10^{17}$
NEIC Event type se.

(186) Vanuatu Islands

ISC	**IV**	**17 02 21 32.4–.37**	**13.45S–.03**	**166.53E–.03**	**29–2**	**5.5s,5.4b**	**1139**	**7-169**
MOS	IV	17 02 21 29.0–.90	13.38S	166.49E	16	5.6b,5.4s	**¶615092584**	
NEIC	IV	17 02 21 30.9–1.8	13.39S–.07	166.60E–.08	16–1	5.7,5.6		
NEIC	IV	17 02 21 30.4	13.38S	166.61E	26	5.7,5.6		
NEIC	IV	17 02 21 30.4	13.38S	166.61E	26	5.7,5.6		
NEIC	IV	17 02 21 30.2	13.38S	166.61E	12	5.7,5.6		
IDC	IV	17 02 21 31.4–1.8	13.46S	166.48E	25–11	5.2s,4.9		
BJI	IV	17 02 21 33.5–.00	12.82S	166.52E	29	5.7b,5.4b		
GCMT	IV	17 02 21 34.9–.10	13.41S–.01	166.40E–.01	28–0	5.8W,5.4b		
NOU	IV	17 02 21 37.2	13.43S	166.33E	46	5.6L,5.4b		

ISC Event type se.
MOS Error ellipse: s-maj=8.2km s-min=6.0km az=127.4.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=11.4km az=70.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; Mrr2.70 Mθθ-0.78 Mφφ-1.92 Mrθ0.52 Mθφ1.60 Mφr-0.57 NP1:φs142.58000°,δ52.55000°,λ87.27000°. NP2:φs327.06000°,δ37.54000° ,λ93.56000°. Principal axes: T 2.8027,Plg82.0000°,Azm38.0000°; N 0.3497,Plg2.0000° ,Azm144.0000°; P -3.1524,Plg8.0000°,Azm235.0000° M0 2.99000$\times10^{17}$
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 3s3 Moment tensor: Scale 10^{17}Nm; Mrr4.61 Mθθ-0.46 Mφφ-4.15 Mrθ0.62 Mθφ1.84 Mφr0.04 NP1:φs150.05000°,δ46.71000° ,λ79.54000°. NP2:φs345.12000°,δ44.30000°,λ100.91000°. Principal axes: T 4.6914,Plg82.0000°,Azm346.0000°; N 0.2229,Plg8.0000°,Azm157.0000° ; P -4.9143,Plg1.0000°,Azm247.0000° M0 4.80000$\times10^{17}$
NEIC Event type se.
IDC Error ellipse: s-maj=10.4km s-min=8.4km az=176.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s157,c319; s158,c325;Duration: 1s8 Moment tensor: Scale 10^{17}Nm; Mrr4.98±.05 Mθθ-0.90±.04; Mφφ-4.08±.04; Mrθ1.52±.08; Mθφ1.90±.03; Mφr-0.87±.07; Best double couple: NP1:φs144.00000°,δ54.00000°,λ77.00000°. NP2:φs345.00000°,δ38.00000°,λ107.00000°. Principal axes: T 5.3680,Plg77.0000° ,Azm11.0000°; N -0.1910,Plg10.0000°,Azm152.0000°; P -5.1720,Plg8.0000°,Azm243.0000° M0 5.27000$\times10^{17}$
NOU Vanuatu Islands.

(92) Leeward Islands

ISC	**IV**	**17 05 23 14.4–.39**	**17.49N–.02**	**61.15W–.02**	**17–2**	**5.7b,5.4s**	**2386**	**1-176**
IDC	IV	17 05 23 11.9–.28	17.50N	61.14W	0	5.5,5.5b	**¶611832597**	
MOS	IV	17 05 23 12.2–.86	17.51N	61.16W	13	5.9b,5.3s		
TRN	IV	17 05 23 13.1	17.48N	61.14W	12	5.7,5.3s		
NEIC	IV	17 05 23 14.8	17.68N	61.13W	26	5.7,5.3s		
NEIC	IV	17 05 23 14.8	17.48N	61.13W	26	5.7,5.3s		
NEIC	IV	17 05 23 14.8	17.46N	61.14W	14	5.7,5.3s		
NEIC	IV	17 05 23 15.1–1.6	17.45N–.04	61.14W–.04	16–1	5.6,5.6		
BJI	IV	17 05 23 16.2–.00	17.50N	61.20W	40	5.9s,5.7		
GCMT	IV	17 05 23 20.1–.10	17.49N–.01	61.11W–.01	12	5.7W,5.7		

ISC Event type se. Moment Tensor Solution. NP1:φs119.81444°,δ70.54598°,λ-90.24694°. NP2: φs300.55585°,δ19.45553°,λ-89.30092°. Principal axes: T Plg25.5456°,Azm210.0080° ; N Plg0.2328°,Azm119.8967°; P Plg64.4532°,Azm29.4095°
TRN Event type fe. Felt Antigua MMI IV; Barbuda MMI III; MontserratM MI III; St. Kitts MMI IV; NEVIS MMI III; Guadeloupe MMI IV.
NEIC Event type se. Moment Tensor Solution.Duration: 3s5 Moment tensor: Scale 10^{17}Nm; Mrr1.04 Mθθ0.68 Mφφ-1.72 Mrθ-2.13 Mθφ1.84 Mφr2.16 NP1:φs313.34000°,δ78.64000° ,λ69.78000°. NP2:φs195.20000°,δ23.08000°,λ149.83000°. Principal axes: T 3.1723,Plg52.0000°,Azm200.0000°; N 0.7181,Plg20.0000°,Azm317.0000° ; P -3.8905,Plg31.0000°,Azm60.0000° M0 3.53000$\times10^{17}$
NEIC Event type se.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; Mrr1.07 Mθθ-0.43 Mφφ-0.64 Mrθ-1.99 Mθφ0.57 Mφr1.61 NP1:φs150.87000°,δ12.14000°,λ110.66000°. NP2:φs309.78000°,δ78.65000° ,λ85.66000°. Principal axes: T 2.7762,Plg56.0000°,Azm214.0000°; N 0.0083,Plg4.0000° ,Azm311.0000°; P -2.7845,Plg34.0000°,Azm43.0000° M0 2.78000$\times10^{17}$
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s119,c210; s142,c300;Duration: 1s7 Moment tensor: Scale 10^{17}Nm; Mrr1.17±.02 Mθθ0.24±.02; Mφφ-1.41±.02; Mrθ-2.51±.06; Mθφ0.75±.02; Mφr3.31±.06; Best double couple: NP1:φs323.00000°,δ81.00000°,λ82.00000°. NP2:φs184.00000°,δ12.00000°,λ130.00000°. Principal axes: T 4.2210,Plg53.0000° ,Azm224.0000°; N 0.3760,Plg7.0000°,Azm324.0000°; P -4.5930,Plg36.0000°,Azm60.0000° M0 4.40700$\times10^{17}$

(209) Western Caroline Islands

ISC IV 18 02 37 49.1–.47 8.29N–.06 137.51E–.08 35 4.6b,3.9s 120 3-154
IDC IV 18 02 37 42.9–.66 8.29N 137.71E 0 4.3,4.3b **¶610529600**
DJA IV 18 02 37 48.6–.60 8N–3.0 138E–5.0 33–4 5.6b,5.1
GCMT IV 18 02 37 49.0–.40 8.44N–.06 137.60E–.05 23–1 4.9W,5.1
NEIC IV 18 02 37 49.0–1.1 8.4N–.10 137.5E–.20 28–6 4.6b,5.1
ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s19,c20; s75,c86;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr2.90±.25 Mθθ-1.20±.14; Mϕϕ-1.70±.16; Mrθ-0.08±.30; Mθϕ-0.96±.09; Mϕr-0.02±.28; Best double couple: NP1:ϕs219.00000°,δ46.00000°,λ91.00000°. NP2:ϕs37.00000°,δ44.00000°,λ89.00000°. Principal axes: T 2.9020,Plg89.0000° ,Azm180.0000°; N -0.4590,Plg1.0000°,Azm38.0000°; P -2.4430,Plg1.0000°,Azm308.0000° M0 2.67200×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(110) Peru-Ecuador border region
ISC IV 18 17 49 54.0–.45 2.66S–.02 75.26W–.03 10–2 6.1b,5.7s 2508 3-179
UPA IV 18 17 49 32.8–2.9 4.27S 74.29W 10 5.8W,5.7s **¶610532536**
IDC IV 18 17 49 53.0–.28 2.58S 75.07W 0 5.7s,5.7b
BJI IV 18 17 49 53.7–.00 2.70S 75.20W 10 6.1b,6.0s
MOS IV 18 17 49 54.1–1.3 2.59S 75.17W 13 6.2b,5.7s
VAO IV 18 17 49 54.9–.24 2.84S 75.28W 11 5.9b,5.7s
NEIC IV 18 17 49 55.6 2.73S 75.35W 22 5.9b,5.7s
NEIC IV 18 17 49 55.8–2.4 2.71S–.05 75.30W–.06 14–1 6.2b,5.9
NEIC IV 18 17 49 55.6 2.63S 75.25W 22 6.2b,5.9
NEIC IV 18 17 49 55 2.69S 75.30W 8 6.2b,5.9
GCMT IV 18 17 49 58.8–.10 2.77S–.01 75.37W 22–0 5.9W,5.9
ISC Event type se. Moment Tensor Solution. NP1:ϕs2.98983°,δ54.21638°,λ66.57923°. NP2: ϕs219.52115°,δ41.89291°,λ118.87466°. Principal axes: T Plg70.0230°,Azm217.6364° ; N Plg18.8111°,Azm17.2031°; P Plg6.4827°,Azm109.4214°
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; Mrr5.44 Mθθ0.05 Mϕϕ-5.48 Mrθ-0.27 Mθϕ-3.71 Mϕr-0.61 NP1:ϕs206.07000°,δ47.99000°,λ89.19000°. NP2:ϕs27.27000°,δ42.02000° ,λ90.90000°. Principal axes: T 5.4719,Plg87.0000°,Azm105.0000°; N 1.9103,Plg1.0000° ,Azm207.0000°; P -7.3822,Plg3.0000°,Azm297.0000° M0 6.64000×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 4s2 Moment tensor: Scale 10^{18}Nm; Mrr0.93 Mθθ-0.06 Mϕϕ-0.87 Mrθ-0.35 Mθϕ-0.26 Mϕr0.18 NP1:ϕs357.29000°,δ50.60000° ,λ63.68000°. NP2:ϕs215.22000°,δ46.16000°,λ118.36000°. Principal axes: T 1.0701,Plg70.0000°,Azm202.0000°; N -0.1179,Plg20.0000°,Azm15.0000° ; P -0.9523,Plg2.0000°,Azm106.0000° M0 1.01000×10^{18}
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s160,c300; s154,c494; Duration: 2s3 Moment tensor: Scale 10^{18}Nm; Mrr0.94±.01 Mθθ0.01±.01; Mϕϕ-0.95±.01; Mrθ-0.15±.01; Mθϕ-0.30±.01; Mϕr-0.10±.01; Best double couple: NP1:ϕs204.00000° ,δ49.00000°,λ100.00000°. NP2:ϕs8.00000°,δ42.00000°,λ78.00000°. Principal axes: T 0.9710,Plg81.0000°,Azm170.0000°; N 0.0760,Plg8.0000°,Azm17.0000° ; P -1.0480,Plg4.0000°,Azm286.0000° M0 1.00900×10^{18}

(159) North Island
ISC IV 19 03 08 40.9–.36 38.56S–.02 177.67E–.02 30–2 5.1b,4.0s 431 0-165
WEL IV 19 03 08 00 38.51S 177.69E 32 5.1L,5.0W **¶615092591**
NOU IV 19 03 08 38.5 38.76S 177.91E 17 5.3b,5.0W
NEIC IV 19 03 08 39.5 38.71S 177.93E 27 5.3b,5.0W
NEIC IV 19 03 08 39.7–2.1 38.71S–.04 177.93E–.06 29–4 5.0,5.0b
BJI IV 19 03 08 40.0–.00 38.60S 177.70E 30 5.7b,5.1b
MOS IV 19 03 08 41.0–1.2 38.41S 177.61E 33 5.2b,5.1b
IDC IV 19 03 08 43.7–1.4 38.27S 177.53E 46–8 4.8,4.7L
GCMT IV 19 03 08 46.4–.30 38.39S–.02 177.77E–.02 31–1 5.0W,4.7L
ISC Event type se.
WEL Moment Tensor Solution. s9 Moment tensor: Scale 10^{16}Nm; Mrr0.35 Mθθ0.63 Mϕϕ-0.98 Mrθ0.03 Mθϕ3.23 Mϕr0.84 NP1:ϕs97.00000°,δ76.00000°,λ1.00000°. NP2:ϕs7.00000° ,δ89.00000°,λ166.00000°. Principal axes: T -3611.9200,Plg11.0000°,Azm322.0000° ; N 3259.2900,Plg76.0000°,Azm183.0000°; P 352.6300,Plg9.0000°,Azm53.0000° M0 3.44000×10^{16}
NOU North Island, New Zealand.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; Mrr0.07 Mθθ1.04 Mϕϕ-1.11 Mrθ1.72 Mθϕ3.93 Mϕr1.25 NP1:ϕs5.17000°,δ73.10000°,λ163.48000°. NP2:ϕs100.10000°,δ74.21000° ,λ17.59000°. Principal axes: T 4.9618,Plg23.0000°,Azm323.0000°; N -0.8516,Plg67.0000° ,Azm141.0000°; P -4.1102,Plg1.0000°,Azm232.0000° M0 4.60000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s32,c36; s89,c116;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr0.80±.19 Mθθ1.24±.15; Mϕϕ-2.03±.16; Mrθ0.72±.23; Mθϕ3.27±.10; Mϕr2.49±.24; Best double couple: NP1:ϕs10.00000°,δ83.00000°,λ143.00000°. NP2:ϕs105.00000°,δ54.00000°,λ9.00000°. Principal axes: T 4.4010,Plg30.0000° ,Azm321.0000°; N 0.2610,Plg53.0000°,Azm180.0000°; P -4.6570,Plg19.0000°,Azm63.0000° M0 4.52900×10^{16}

(259) Mindanao
ISC IV 19 04 26 07.5–.81 9.32N–.03 125.51E–.04 51–7 4.6b,4.1s 221 1-146
DJA IV 19 04 26 01.1–.60 10N–5.0 126E–6.0 10 5.6b,5.1 **¶610532786**
MAN IV 19 04 26 02.1 9.40N 125.54E 9 5.3b,4.4s
IDC IV 19 04 26 02.1–.56 9.58N 125.48E 0 4.3,4.3b
BJI IV 19 04 26 09.2–.00 9.27N 125.60E 80 4.8b,4.6b
NEIC IV 19 04 26 13.2–1.6 9.36N–.08 125.5E–.10 98–7 4.6b,4.6b
ISC Event type fe.
MAN Event type fe. INTENSITY III - JABONGA AND KITCHARAO AGUSAN DEL NORTE; ; SAN FRANCISCO SURIGAO DEL NORTE;; INTENSITY II - CABADBARAN CITY REMEDIOS T. ROMUALDEZ AND TUBAY AGUSAN DEL NORTE; SURIGAO ; CITY.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(222) East of Kuril Islands
ISC IV 20 08 42 19.7–.36 49.09N–.04 156.20E–.03 43–2 4.9b,4.7s 895 2-151
KRSC IV 20 08 42 13.4–2.4 48.86N 156.92E 30–29 5.4L,4.9 **¶610544121**
BJI IV 20 08 42 15.9–.00 49.25N 156.31E 34 5.0b,5.0b
SKHL IV 20 08 42 17.9–.10 48.90N 156.40E 60–2 5.7,5.6b
MOS IV 20 08 42 17.9–1.1 49.13N 156.13E 39 5.1b,4.9s
NEIC IV 20 08 42 20.8–1.7 49.20N–.05 156.2E–.10 46–5 4.8b,4.9s
IDC IV 20 08 42 20.9–2.0 49.22N 156.01E 50–18 5.2L,4.6
GCMT IV 20 08 42 22.8–.20 49.18N–.01 156.45E–.02 26–0 5.2W,4.6
ISC Event type se.
KRSC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s90,c131; s127,c194;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; Mrr0.68±.02 Mθθ-0.21±.01; Mϕϕ-0.47±.01; Mrθ0.25±.03; Mθϕ-0.32±.01; Mϕr0.42±.02; Best double couple: NP1:ϕs32.00000°,δ63.00000°,λ88.00000°. NP2:ϕs216.00000°,δ27.00000°,λ93.00000°. Principal axes: T 0.8400,Plg72.0000° ,Azm299.0000°; N 0.0040,Plg1.0000°,Azm33.0000°; P -0.8450,Plg18.0000°,Azm123.0000° M0 0.84300×10^{17}

(221) Kuril Islands
ISC IV 20 11 41 25.6–.25 44.43N–.03 148.73E–.03 60–1 5.5b 1822 1-157
BJI IV 20 11 41 25.2–.00 44.40N 148.51E 63 5.6b,5.2b **¶610544362**
MOS IV 20 11 41 25.4–.97 44.49N 148.67E 68 5.8b,4.7s
JMA IV 20 11 41 25.1–.28 44N–1.0 148E–1.0 0 5.2W,5.2
NIED IV 20 11 41 25.1 43.99N 148.47E 0 5.1W,5.2
SKHL IV 20 11 41 25.3–.30 44.30N 148.90E 76–4 6.2b,4.6s
NEIC IV 20 11 41 26 44.43N 148.73E 70 6.2b,4.6s
NEIC IV 20 11 41 26.3–1.7 44.42N–.06 148.73E–.09 63–4 5.5b,5.1
NEIC IV 20 11 41 26 44.13N 149.29E 70 5.5b,5.1
IDC IV 20 11 41 27.1–1.5 44.51N 148.64E 72–12 5.4,5.1b
GCMT IV 20 11 41 27.3–.20 44.40N–.01 148.90E–.02 54–0 5.2W,5.1b
ISC Event type ke. Moment Tensor Solution. NP1:ϕs30.52963°,δ51.02659°,λ68.70750°. NP2: ϕs242.31392°,δ43.58361°,λ114.17307°. Principal axes: T Plg73.1265°,Azm238.3241° ; N Plg16.3981°,Azm44.3028°; P Plg3.8684°,Azm135.4429°
MOS Event type fe. Felt (IV) at Gornyy, Goryachiye Klyuchi, (III-IV) at Kuril'sk, Reydovo, (II) at Yuzhno-Kuril'sk, Malokuril'skoye, Krabozavodskoye, Lagunnoye, Goryachiy Plyazh. Moment Tensor Solution.
JMA Event type fe. SE OFF ETOROFU .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; Mrr1.68 Mθθ-0.86 Mϕϕ-0.82 Mrθ2.61 Mθϕ-1.26 Mϕr4.07 NP1:ϕs33.00000°,δ80.00000°,λ84.00000°. NP2:ϕs243.00000° ,δ12.00000°,λ119.00000°. M0 5.19000×10^{16}
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution.Duration: 1s8 Moment tensor: Scale 10^{16}Nm; Mrr5.66 Mθθ-3.57 Mϕϕ-2.09 Mrθ0.82 Mθϕ-1.05 Mϕr2.32 NP1:ϕs47.03000°,δ56.88000° ,λ77.39000°. NP2:ϕs249.29000°,δ35.18000°,λ108.50000°. Principal axes: T 6.3320,Plg75.0000°,Azm281.0000°; N -1.8679,Plg11.0000°,Azm54.0000° ; P -4.4641,Plg11.0000°,Azm146.0000° M0 5.40000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s96,c131; s122,c195;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; Mrr0.93±.02 Mθθ-0.47±.02; Mϕϕ-0.46±.02; Mrθ0.10±.01; Mθϕ-0.42±.01; Mϕr0.29±.01; Best double couple: NP1:ϕs38.00000°,δ54.00000°,λ81.00000°. NP2:ϕs232.00000°,δ37.00000°,λ102.00000°. Principal axes: T 0.9870,Plg79.0000° ,Azm274.0000°; N -0.0560,Plg7.0000°,Azm43.0000°; P -0.9290,Plg9.0000°,Azm134.0000° M0 0.95800×10^{17}

(221) Kuril Islands
ISC IV 20 15 20 43.0–.30 49.17N–.04 156.13E–.03 40–2 5.1b,4.8s 1181 2-151
IDC IV 20 15 20 37.4–.44 49.26N 156.07E 0 5.3L,4.8 **¶611833497**
KRSC IV 20 15 20 39.4–2.1 49.04N 156.71E 51–30 5.4L,4.8
BJI IV 20 15 20 40.0–.00 49.34N 156.12E 34 5.1b,5.1s
MOS IV 20 15 20 41.5–1.0 49.17N 156.11E 44 5.3b,5.0s
SKHL IV 20 15 20 41.4–.60 49.00N 156.50E 60–3 5.8,5.7b
NEIC IV 20 15 20 43.2–1.5 49.27N–.09 156.1E–.10 39–5 5.1b,5.7b
GCMT IV 20 15 20 45.2–.20 49.15N–.01 156.49E–.02 27–0 5.2W,5.7b
ISC Event type se. Moment Tensor Solution. NP1:ϕs25.21078°,δ76.37964°,λ78.95621°. NP2: ϕs244.86295°,δ17.46906°,λ128.32924°. Principal axes: T Plg57.2469°,Azm280.7116° ; N Plg10.7295°,Azm27.8423°; P Plg30.5293°,Azm124.2583°
KRSC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s95,c141; s136,c217;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; Mrr0.83±.02 Mθθ-0.29±.01; Mϕϕ-0.54±.01; Mrθ0.24±.03; Mθϕ-0.36±.01; Mϕr0.44±.02; Best double couple: NP1:ϕs32.00000°,δ61.00000°,λ87.00000°. NP2:ϕs219.00000°,δ29.00000°,λ96.00000°. Principal axes: T 0.9760,Plg74.0000° ,Azm294.0000°; N -0.0330,Plg3.0000°,Azm34.0000°; P -0.9440,Plg16.0000°,Azm124.0000° M0 0.96000×10^{17}

(353) Southern Iran
ISC IV 20 15 49 46.4–.40 27.68N–.03 53.27E–.03 16 4.1b 178 0-90
DSN IV 20 15 49 41.7–.28 27.97N 52.99E 10 3.6L **¶610653121**
SGS IV 20 15 49 44.0 28.05N 53.59E 10 3.8L
IDC IV 20 15 49 44.4–1.0 27.70N 53.20E 0 4.0,3.9b
TEH IV 20 15 49 44.8 27.70N 53.34E 9–21 3.9L,3.9b
NEIC IV 20 15 49 45.7–1.6 27.68N–.09 53.18E–.05 10–1 4.3b,3.9b
OMAN IV 20 15 49 49.1–.93 27.48N 53.36E 10 5.5b,3.7L
ISC Event type se.
DSN Error ellipse: s-maj=5.7km s-min=3.1km az=341.0.
IDC Error ellipse: s-maj=23.3km s-min=15.8km az=171.0.
TEH Error ellipse: s-maj=1.0km s-min=1.4km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=14.7km s-min=6.8km az=172.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
OMAN Error ellipse: s-maj=8.9km s-min=4.2km az=0.0.

(173) Tonga Islands
ISC IV 20 22 59 24.8–.35 20.75S–.04 173.74W–.03 19–1 5.4b,5.3s 1344 4-171
IDC IV 20 22 59 22.6–.39 20.60S 174.05W 0 5.1s,5.0 **¶611833495**
MOS IV 20 22 59 22.8–1.3 20.61S 173.97W 10 5.6b,5.3s
NEIC IV 20 22 59 23.1 20.52S 173.67W 10 5.6b,5.3s
BJI IV 20 22 59 23.3–.00 20.30S 173.58W 12 5.7b,5.4s
NEIC IV 20 22 59 23.1 20.82S 173.46W 20 5.7b,5.4s
NEIC IV 20 22 59 23.1 20.52S 173.67W 20 5.7b,5.4s
NEIC IV 20 22 59 24.6–2.3 20.54S–.07 173.60W–.07 13–1 5.6,5.5
NOU IV 20 22 59 24.9 20.96S 173.54W 23 5.5L,5.5
GCMT IV 20 22 59 29.6–.10 20.72S–.01 173.57W–.01 17–0 5.5W,5.5
ISC Event type se.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2s9 Moment tensor: Scale 10^{17}Nm; Mrr2.47 Mθθ-0.20 Mϕϕ-2.26 Mrθ0.59 Mθϕ-0.04 Mϕr1.22 NP1:ϕs12.24000°,δ59.70000° ,λ100.46000°. NP2:ϕs172.14000°,δ31.89000°,λ72.74000°. Principal axes: T 2.8661,Plg73.0000°,Azm309.0000°; N -0.2916,Plg9.0000°,Azm187.0000° ; P -2.5745,Plg14.0000°,Azm95.0000° M0 2.72000×10^{17}
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; Mrr2.04 Mθθ-0.23 Mϕϕ-1.81 Mrθ0.40 Mθϕ-0.50 Mϕr0.53 NP1:ϕs190.45000°,δ36.71000°,λ80.39000°. NP2:ϕs22.37000°,δ53.89000° ,λ97.09000°. Principal axes: T 2.1574,Plg80.0000°,Azm321.0000°; N -0.1089,Plg6.0000° ,Azm198.0000°; P -2.0485,Plg9.0000°,Azm107.0000° M0 2.11000×10^{17}
NOU Tonga Islands.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s127,c231; s146,c284;Duration: 1s4 Moment tensor: Scale 10^{17}Nm; Mrr1.91±.03 Mθθ0.24±.03; Mϕϕ-2.14±.03; Mrθ0.78±.07; Mθϕ-0.45±.02; Mϕr1.11±.06; Best double couple: NP1:ϕs25.00000°,δ62.00000°,λ105.00000°. NP2:ϕs175.00000°,δ32.00000°,λ64.00000°. Principal axes: T 2.3910,Plg69.0000° ,Azm326.0000°; N 0.1840,Plg13.0000°,Azm197.0000°; P -2.5690,Plg16.0000° ,Azm103.0000° M0 2.48000×10^{17}

(274) Southern Sumatera
ISC IV 21 04 00 29.7–.31 2.15S–.03 99.63E–.04 31–1 5.2b,4.7s 663 1-158
IDC IV 21 04 00 25.8–.51 2.07S 99.70E 0 4.9,4.9b **¶610546706**
MOS IV 21 04 00 26.8–1.1 2.11S 99.74E 21 5.4b,4.7s
BJI IV 21 04 00 27.9–.00 2.29S 99.87E 38 5.3b,5.1b
DJA IV 21 04 00 29.8–.30 2S–2.0 100E–2.0 37–2 5.6b,5.6
NEIC IV 21 04 00 30.0–1.7 2.16S–.06 99.63E–.07 30–3 5.2b,5.6
KLM IV 21 04 00 30 2.26S 99.55E 68 5.3b,5.6
GCMT IV 21 04 00 33.0–.20 2.19S–.02 99.44E–.02 35–0 5.1W,5.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s78,c105; s83,c117;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr4.71±.18 Mθθ-2.28±.12; Mϕϕ-2.43±.14; Mrθ2.46±.17; Mθϕ2.47±.09; Mϕr-2.87±.21; Best double couple: NP1:ϕs138.00000°,δ64.00000°,λ92.00000°. NP2:ϕs314.00000°,δ26.00000°,λ86.00000°. Principal axes: T 6.0300,Plg71.0000° ,Azm52.0000°; N 0.1090,Plg2.0000°,Azm317.0000°; P -6.1390,Plg19.0000°,Azm227.0000° M0 6.08500×10^{16}

(289) Timor region
ISC IV 22 14 46 44.9–.80 9.67S–.09 125.15E–.07 10 3.9b 21 1-72
IDC IV 22 14 46 43.1–1.5 9.32S 125.64E 0 3.9L,3.8 **¶610653270**
DJA IV 22 14 46 47.2–.60 10S–4.0 125E–3.0 11–4 5.9b,5.5
ISC Event type ke.

(201) Irian Jaya
ISC IV 22 17 26 17.9–.62 4.36S–.06 140.09E–.08 35 4.5b 59 2-145
IDC IV 22 17 26 13.2–1.2 4.16S 140.09E 0 4.0,4.0b **¶610547331**
DJA IV 22 17 26 15.7–.50 4S–4.0 141E–5.0 44–5 7.2,6.9
NEIC IV 22 17 26 16.9–2.4 4.2S–.10 140.17E–.06 30–6 4.4b,6.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(259) Mindanao
ISC IV 23 01 19 45.8–.24 9.20N–.02 126.35E–.03 55–1 5.2b,4.5s 1172 1-177
DJA IV 23 01 19 41.7–.50 10N–3.0 127E–3.0 23–3 6.1,5.7b **¶610547528**
MAN IV 23 01 19 44.7 9.18N 126.39E 21 5.8b,5.2s
MOS IV 23 01 19 45.0–.93 9.26N 126.19E 60 5.5b,4.7s
BJI IV 23 01 19 45.0–.00 9.09N 126.33E 75 5.0b,4.9b
GCMT IV 23 01 19 46.8–.10 9.17N–.01 126.58E–.01 44–0 5.4W,4.9b
NEIC IV 23 01 19 46.8–2.2 9.27N–.06 126.29E–.08 53–4 5.3b,4.9b
IDC IV 23 01 19 47.1–1.2 9.20N 126.23E 68–10 5.1,4.8b

KLM IV 23 01 19 47 9.22N 126.63E 59 5.3b,4.8b
ISC Event type fe. Moment Tensor Solution. NP1:φs198.86841°,δ26.43988°,λ79.98678°. NP2: φs30.02349°,δ63.99331°,λ94.94170°. Principal axes: T Plg70.5951°,Azm310.5876° ; N Plg4.4403°,Azm207.8523°; P Plg18.8502°,Azm116.3332°
MAN Event type fe. INTENSITY IV - TANDAG SAN MIGUEL BAYABAS AND CAGWAIT SURIGAO DEL SUR;; TALACOGON AGUSAN DEL SUR; INTENSITY III - SURIGAO CITY SOCORRO GENERAL LUNA PILAR MAINIT DEL CARMEN AND BURGOS SURIGAO DEL ; NORTE; CABADBARAN CITY REMEDIOS T. ROMUALDEZ MAGALLANES TUBAY SANTIAGO JABONGA AND ; KITCHARAO AGUSAN DEL NORTE; INTENSITY II - BUTUAN CITY; HINATUAN SURIGAO DEL SUR; SISON MALIMONO AND SAN FRANCISCO SURIGAO DEL ; NORTE; BISLIG CITY; LORETO DINAGAT ISLAND.
MOS Error ellipse: s-maj=7.8km s-min=3.8km az=117.6.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s132,c209; s127,c222;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; Mrr1.14±.02 Mθθ0.27±.02; Mφφ-1.41±.02; Mrθ0.35±.02; Mθφ-0.04±.01; Mφr0.36±.03; Best double couple: NP1:φs18.00000°,δ56.00000°,λ112.00000°. NP2:φs163.00000°,δ40.00000°,λ62.00000°. Principal axes: T 1.3030,Plg70.0000° ,Azm339.0000°; N 0.1610,Plg18.0000°,Azm186.0000°; P -1.4650,Plg8.0000°,Azm93.0000° Mo1.38400×10^{17}
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=8.3km az=78.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=12.4km s-min=7.6km az=77.0.

(135) Near coast of central Chile
ISC IV 23 02 36 06.0–.37 33.01S–.02 72.10W–.02 16–2 5.8s,5.5b 1458 0-179
SJA IV 23 02 36 02.0–.75 33.06S 72.30W 7–5 5.8L,5.5W **¶610547532**
IDC IV 23 02 36 04.1–.33 32.96S 71.90W 0 5.8s,5.2
BJI IV 23 02 36 05.6–.00 32.98S 72.47W 20 6.1s,6.0
NEIC IV 23 02 36 05.8 33.04S 72.09W 7 6.1s,6.0
VAO IV 23 02 36 05.1–.23 33.02S 71.99W 10 5.6b,6.0
NEIC IV 23 02 36 06.4 33.04S 71.82W 24 5.6b,6.0
NEIC IV 23 02 36 06.4 33.04S 72.06W 24 5.6b,6.0
GUC IV 23 02 36 06.1–.73 33.02S 72.13W 26–5 6.0L,6.0
NEIC IV 23 02 36 07.8–1.9 33.04S–.03 72.03W–.05 21–1 6.0,5.9
MOS IV 23 02 36 08.4–1.1 32.98S 71.91W 34 5.8s,5.6b
GCMT IV 23 02 36 11.8–.10 33.06S–.01 72.04W–.01 23–0 6.0W,5.6b
ISC Event type se. Moment Tensor Solution. NP1:φs342.02829°,δ40.84331°,λ73.96362°. NP2: φs182.83258°,δ51.05726°,λ103.43153°. Principal axes: T Plg78.3429°,Azm147.2123° ; N Plg10.4084°,Azm354.2959°; P Plg5.1912°,Azm263.3397°
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 5s3 Moment tensor: Scale 10^{18}Nm; Mrr0.61 Mθθ0.02 Mφφ-0.62 Mrθ-0.07 Mθφ-0.03 Mφr-0.95 NP1:φs183.92000°,δ73.56000° ,λ90.58000°. NP2:φs1.85000°,δ16.45000°,λ88.02000°. Principal axes: T 1.1238,Plg61.0000° ,Azm95.0000°; N 0.0171,Plg1.0000°,Azm4.0000°; P -1.1408,Plg29.0000°,Azm273.0000° Mo1.13000×10^{18}
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; Mrr6.99 Mθθ0.63 Mφφ-7.63 Mrθ-0.76 Mθφ1.17 Mφr-5.12 NP1:φs181.95000°,δ62.70000°,λ99.94000°. NP2:φs341.05000°,δ28.92000° ,λ71.52000°. Principal axes: T 8.7546,Plg71.0000°,Azm114.0000°; N 0.5707,Plg9.0000° ,Azm357.0000°; P -9.3254,Plg17.0000°,Azm265.0000° Mo9.05000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s156,c338; s153,c483; Duration: 2s4 Moment tensor: Scale 10^{18}Nm; Mrr0.79±.01 Mθθ0.03±.01; Mφφ-0.81±.01; Mrθ-0.06±.01; Mθφ-0.04±.00; Mφr-0.82±.01; Best double couple: NP1:φs184.00000° ,δ68.00000°,λ91.00000°. NP2:φs1.00000°,δ22.00000°,λ88.00000°. Principal axes: T 1.1320,Plg67.0000°,Azm96.0000°; N 0.0280,Plg1.0000°,Azm4.0000° ; P -1.1600,Plg23.0000°,Azm273.0000° Mo1.14600×10^{18}

(135) Near coast of central Chile
ISC IV 23 02 43 18.1–.50 33.01S–.03 72.02W–.05 22–3 5.0b 227 0-175
MOS IV 23 02 43 14.8–.95 32.99S 72.01W 9 5.2b **¶616344953**
IDC IV 23 02 43 15.1–.56 32.98S 71.92W 0 5.6s,5.0b
GUC IV 23 02 43 18.6–.72 33.05S 71.91W 26–2 4.8L,5.0b
NEIC IV 23 02 43 18.7–1.4 33.02S–.02 71.95W–.05 21–3 5.0b,4.8
NEIC IV 23 02 43 18.7 33.02S 71.96W 21 5.0b,4.8
ISC Event type se.
MOS Error ellipse: s-maj=13.5km s-min=8.3km az=93.8.
IDC Error ellipse: s-maj=23.2km s-min=16.2km az=79.0.
GUC Error ellipse: s-maj=1.8km s-min=2.7km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=6.1km s-min=3.1km az=82.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; Mrr0.57 Mθθ0.36 Mφφ-0.92 Mrθ-0.00 Mθφ-0.32 Mφr-1.63 NP1:φs39.89000°,δ15.79000°,λ129.55000°. NP2:φs179.25000° ,δ77.88000°,λ79.79000°. Principal axes: T 1.6352,Plg56.0000°,Azm76.0000° ; N 0.3647,Plg10.0000°,Azm181.0000°; P -1.9998,Plg32.0000°,Azm278.0000° Mo1.84000×10^{16}
NEIC Event type se.

(192) New Britain region
ISC IV 23 05 21 34.1–.54 6.53S–.04 153.29E–.05 17–3 5.1b,3.9s 547 3-158
IDC IV 23 05 21 31.3–.43 6.55S 153.29E 0 4.6,4.6b **¶610547547**
BJI IV 23 05 21 31.3–.00 6.19S 153.57E 6 5.0b,5.0b
MOS IV 23 05 21 32.6–.73 6.52S 153.25E 17 5.2b,5.0b
NEIC IV 23 05 21 33.4–1.3 6.47S–.04 153.28E–.09 10–1 5.1b,5.0b
GCMT IV 23 05 21 36.4–.30 6.78S–.03 153.34E–.03 19–1 5.0W,5.0b
DJA IV 23 05 21 36.1–.50 6S–3.0 153E–4.0 22–3 6.1,6.1
ISC Event type se. Moment Tensor Solution. NP1:φs329.97336°,δ65.89836°,λ-70.71527°. NP2: φs109.38211°,δ30.50294°,λ-126.43679°. Principal axes: T Plg18.6928°,Azm45.7008° ; N Plg17.5460°,Azm141.8418°; P Plg63.8960°,Azm272.0295°
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s21,c24; s87,c106;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr-3.36±.26 Mθθ2.18±.17; Mφφ1.18±.15; Mrθ-1.81±.37; Mθφ-1.53±.10; Mφr-0.91±.36; Best double couple: NP1:φs103.00000°,δ58.00000° ,λ-116.00000°. NP2:φs325.00000°,δ41.00000°,λ-56.00000°. Principal axes: T 3.4390,Plg9.0000°,Azm211.0000°; N 0.7880,Plg22.0000°,Azm117.0000° ; P -4.2270,Plg66.0000°,Azm322.0000° Mo3.83300×10^{16}

(134) Off coast of central Chile
ISC IV 23 19 40 11.2–.69 33.04S–.02 72.15W–.03 23–4 5.4b,5.3s 833 0-179
SJA IV 23 19 40 05.8–2.2 33.03S 72.30W 10 5.3L,4.9W **¶611833510**
IDC IV 23 19 40 06.8–.40 32.94S 72.16W 0 5.2s,5.0b
MOS IV 23 19 40 07.8–1.5 32.93S 72.07W 10 5.5b,5.3s
VAO IV 23 19 40 08.4–.29 33.20S 72.24W 16 5.3b,5.3s
NEIC IV 23 19 40 09.3 33.11S 72.05W 16 5.3b,5.3s
NEIC IV 23 19 40 09 33.02S 72.17W 8 5.3b,5.3s
NEIC IV 23 19 40 09.3 33.01S 72.16W 16 5.3b,5.3s
GUC IV 23 19 40 10.3–.89 33.05S 72.16W 17–6 5.4L,5.3s
NEIC IV 23 19 40 10.7–2.6 33.02S–.04 72.12W–.04 20–1 5.6,5.5
GCMT IV 23 19 40 14.8–.10 33.16S–.01 72.17W–.01 22–0 5.6W,5.5
ISC Event type se. Moment Tensor Solution. NP1:φs178.65207°,δ59.88561°,λ90.45063°. NP2: φs357.75397°,δ30.11745°,λ89.22312°. Principal axes: T Plg75.1102°,Azm89.8922° ; N Plg0.3898°,Azm358.4260°; P Plg14.8845°,Azm268.3224°
NEIC Event type se. Moment Tensor Solution.Duration: 3s2 Moment tensor: Scale 10^{17}Nm; Mrr1.24 Mθθ0.28 Mφφ-1.52 Mrθ-0.16 Mθφ-0.07 Mφr-3.18 NP1:φs182.87000°,δ78.27000° ,λ90.40000°. NP2:φs0.88000°,δ11.73000°,λ88.05000°. Principal axes: T 3.3294,Plg57.0000° ,Azm93.0000°; N 0.2844,Plg0.0000°,Azm3.0000°; P -3.6138,Plg33.0000°,Azm273.0000° Mo3.47000×10^{17}
NEIC Event type se.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; Mrr1.66 Mθθ0.45 Mφφ-2.11 Mrθ0.02 Mθφ-0.39 Mφr-1.15 NP1:φs181.86000°,δ60.69000°,λ82.44000°. NP2:φs17.02000°,δ30.18000° ,λ103.19000°. Principal axes: T 1.9959,Plg73.0000°,Azm73.0000°; N 0.4877,Plg7.0000° ,Azm186.0000°; P -2.4836,Plg15.0000°,Azm277.0000° Mo2.28000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s117,c190; s143,c271;Duration: 1s5 Moment tensor: Scale 10^{17}Nm; Mrr2.06±.04 Mθθ-0.05±.02; Mφφ-2.01±.03; Mrθ0.05±.04; Mθφ0.14±.02; Mφr-1.83±.05; Best double couple: NP1:φs178.00000°,δ66.00000°,λ91.00000°. NP2:φs355.00000°,δ24.00000°,λ87.00000°. Principal axes: T 2.7620,Plg69.0000° ,Azm90.0000°; N -0.0390,Plg1.0000°,Azm357.0000°; P -2.7200,Plg21.0000°,Azm267.0000° Mo2.74100×10^{17}

(269) Southern Molucca Sea
ISC IV 24 06 13 50.5–.25 0.15S–.03 125.23E–.03 55–1 5.3b,4.4s 1092 2-175
BJI IV 24 06 13 45.4–.00 0.78S 125.33E 62 5.1b,5.1b **¶610547653**
MOS IV 24 06 13 47.5–1.1 0.01S 125.05E 38 5.5b,4.3s
IDC IV 24 06 13 48.6–2.1 0.22S 125.11E 38–16 5.1,4.9b
NEIC IV 24 06 13 49.8–2.2 0.10S–.06 125.19E–.05 39–4 5.3b,4.5
GCMT IV 24 06 13 50.8–.10 0.30S–.01 125.24E–.01 39–0 5.3W,4.5
DJA IV 24 06 13 50.7–.10 0S–2.0 125E–1.0 55–3 5.7b,5.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s117,c198; s110,c179;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; Mrr1.02±.02 Mθθ-0.65±.02; Mφφ-0.37±.02; Mrθ0.23±.02; Mθφ-0.68±.01; Mφr0.73±.03; Best double couple: NP1:φs32.00000°,δ63.00000°,λ70.00000°. NP2:φs250.00000°,δ33.00000°,λ123.00000°. Principal axes: T 1.3320,Plg66.0000° ,Azm266.0000°; N 0.0440,Plg18.0000°,Azm41.0000°; P -1.3790,Plg16.0000°,Azm136.0000° Mo1.35500×10^{17}

(273) Southwest of Sumatera
ISC IV 24 15 11 20.1–.75 0.39S–.06 96.64E–.08 10 4.3b 54 2-145
IDC IV 24 15 11 16.0–1.6 0.81S 95.97E 0 4.3L,3.9 **¶610548739**
DJA IV 24 15 11 19.2–.50 0S–3.0 97E–4.0 10 5.7b,5.2
NEIC IV 24 15 11 24.9–.89 0.15S–.07 96.75E–.07 30–6 4.1b,5.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(135) Near coast of central Chile
ISC IV 24 21 38 29.0–.21 33.06S–.02 72.04W–.03 21–2 6.7s,6.3b 2577 0-179
SJA IV 24 21 38 21.2–.69 33.07S 72.30W 14 6.6W,6.5L **¶610548803**
NEIC IV 24 21 38 25 33.05S 72.04W 12 6.6W,6.5L
NEIC IV 24 21 38 26.2 33.07S 72.05W 25 6.6W,6.5L
MOS IV 24 21 38 26.8–1.1 33.04S 72.01W 10 7.0s,6.2b
VAO IV 24 21 38 26.9–.21 32.95S 71.80W 20 6.1b,6.2b
IDC IV 24 21 38 26.0–.31 32.98S 71.78W 0 6.8s,5.4
BJI IV 24 21 38 28.9–.00 33.03S 71.88W 20 7.2,7.2s
GUC IV 24 21 38 28.6–.93 33.09S 72.12W 24–165 6.8L,7.2s
NEIC IV 24 21 38 29.5 33.04S 72.03W 19 6.8L,7.2s
NEIC IV 24 21 38 30.8–1.5 33.04S–.04 72.06W–.06 28–1 6.9,6.9
UPA IV 24 21 38 32.8–1.9 32.92S 72.18W 25 7.4W,6.9
GCMT IV 24 21 38 36.8–.00 33.13S 72.07W 26–0 6.9W,6.9
NEIC IV 24 21 38 40 33.05S 71.80W 26 6.9W,6.9
NEIC IV 24 21 38 48.8 33.46S 71.79W 30 6.9W,6.9
ISC Event type se. Moment Tensor Solution. NP1:φs20.98301°,δ40.05878°,λ85.29258°. NP2: φs207.12367°,δ50.10354°,λ93.94753°. Principal axes: T Plg84.1255°,Azm145.5233° ; N Plg3.0276°,Azm24.5894°; P Plg5.0295°,Azm294.3227° Moment Tensor Solution. NP1: φs166.45236°,δ66.26755°,λ35.65662°. NP2:φs60.34684°,δ57.74889°,λ151.58286°. Principal axes: T Plg41.4465°,Azm26.4125°; N Plg48.0573°,Azm195.7442°; P Plg5.3217° ,Azm291.6942°
SJA Error ellipse: s-maj=2.0km s-min=3.3km az=-1.0.
NEIC Event type se.
NEIC Event type se.
MOS Error ellipse: s-maj=11.0km s-min=7.3km az=93.9. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:φs162.00000°,δ59.00000°,λ73.00000°. NP2: φs12.00000°,δ35.00000°,λ115.00000°. Principal axes: T Plg71.0000°,Azm34.0000° ; N Plg14.0000°,Azm171.0000°; P Plg12.0000°,Azm264.0000°
VAO Error ellipse: s-maj=2.8km s-min=2.7km az=-1.0.
IDC Error ellipse: s-maj=14.5km s-min=9.8km az=82.0.
GUC Error ellipse: s-maj=2.7km s-min=4.0km az=-1.0.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=6.8km az=274.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{19}Nm; Mrr0.70 Mθθ-0.04 Mφφ-0.66 Mrθ0.14 Mθφ-0.49 Mφr-0.83 NP1:φs182.13000°,δ69.90000°,λ65.47000°. NP2:φs55.16000°,δ31.31000° ,λ138.61000°. Principal axes: T 1.1862,Plg58.0000°,Azm59.0000°; N -0.0007,Plg23.0000° ,Azm191.0000°; P -1.1855,Plg21.0000°,Azm290.0000° Mo1.19000×10^{19}
UPA Error ellipse: s-maj=39.5km s-min=148.1km az=-1.0.
GCMT nsta1 refers to body waves, cutoff=50s. nsta2 refers to surface/mantle waves, cutoff=125s. Triangular moment-rate function. Moment Tensor Solution. s169,c459; s168,c772; Duration: 6s1 Moment tensor: Scale 10^{19}Nm; Mrr1.30±.01 Mθθ0.04±.00; Mφφ-1.33±.01; Mrθ0.06±.01; Mθφ-0.02±.00; Mφr-2.03±.02; Best double couple: NP1:φs179.00000°,δ74.00000° ,λ89.00000°. NP2:φs3.00000°,δ16.00000°,λ94.00000°. Principal axes: T 2.4050,Plg61.0000° ,Azm87.0000°; N 0.0380,Plg1.0000°,Azm179.0000°; P -2.4340,Plg29.0000°,Azm270.0000° Mo2.41900×10^{19}
NEIC Event type se. Moment Tensor Solution.Duration: 30s0 Moment tensor: Scale 10^{19}Nm; Mrr1.26 Mθθ0.01 Mφφ-1.27 Mrθ0.27 Mθφ0.02 Mφr-2.46 NP1:φs4.00000°,δ14.00000°,λ99.00000°. NP2:φs174.00000°,δ76.00000°,λ88.00000°. Principal axes: T 2.7732,Plg58.0000° ,Azm81.0000°; N 0.0036,Plg2.0000°,Azm175.0000°; P -2.7768,Plg31.0000°,Azm266.0000° Mo2.77000×10^{19}
NEIC Event type se. Moment Tensor Solution.Duration: 14s9 Moment tensor: Scale 10^{19}Nm; Mrr1.46 Mθθ-0.12 Mφφ-1.34 Mrθ0.44 Mθφ-0.01 Mφr-1.92 NP1:φs169.97000°,δ72.44000° ,λ84.38000°. NP2:φs8.04000°,δ18.41000°,λ107.21000°. Principal axes: T 2.4977,Plg62.0000°,Azm71.0000°; N -0.1629,Plg5.0000°,Azm172.0000° ; P -2.3348,Plg27.0000°,Azm264.0000° Mo2.42000×10^{19}

(135) Near coast of central Chile
ISC IV 24 21 46 23.7–1.2 32.99S–.03 72.03W–.04 15–7 6.0s,5.4b 352 0-172
IDC IV 24 21 46 21.5–.51 32.98S 71.92W 0 6.1s,5.0 **¶616345068**
GUC IV 24 21 46 24.5–.79 33.03S 72.04W 24–6 5.1L,5.0
NEIC IV 24 21 46 24.1–1.4 32.93S–.04 71.98W–.04 13–3 5.4b,5.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(135) Near coast of central Chile
ISC IV 24 22 03 43.2–.66 33.06S–.03 71.90W–.05 29–4 4.8b 115 0-172
IDC IV 24 22 03 39.3–.71 33.06S 71.75W 0 5.5s,4.6b **¶611149647**
GUC IV 24 22 03 42.5–.80 33.06S 71.89W 30–3 4.4L,4.6b
NEIC IV 24 22 03 43.7–1.3 33.06S–.02 71.83W–.05 28–5 4.9b,4.4L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(173) Tonga Islands
ISC IV 24 22 18 07.7–.37 16.13S–.05 173.62W–.05 60–3 4.9b 562 3-175
IDC IV 24 22 18 06.5–2.5 16.07S 173.78W 42–23 4.8,4.5b **¶610548807**
BJI IV 24 22 18 06.6–.00 16.20S 173.60W 60 5.6b,4.9b
NEIC IV 24 22 18 08.5–1.6 16.16S–.08 173.67W–.10 66–6 4.9b,4.9b
NOU IV 24 22 18 11.3 16.12S 173.29W 118 5.2b,4.9b
ISC Event type se.
IDC Error ellipse: s-maj=17.1km s-min=10.6km az=138.0.
NEIC Event type se. Error ellipse: s-maj=13.5km s-min=10.9km az=76.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Tonga Islands.

(216) Mariana Islands
ISC IV 24 22 19 51.1–.47 12.72N–.05 144.04E–.06 29–3 4.7b 119 1-149
IDC IV 24 22 19 47.1–.62 12.75N 143.90E 0 5.4s,4.2 **¶610548810**
DJA IV 24 22 19 48.6–1.7 14N–19 145E–26 147–11 5.9b,5.5
BJI IV 24 22 19 51.7–.00 12.65N 143.81E 22 5.4s,5.3b
NEIC IV 24 22 19 52.6–1.4 12.77N–.09 144.0E–.10 36–7 5.0b,5.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(135) Near coast of central Chile
ISC IV 25 01 43 03.2–.55 33.16S–.02 72.06W–.03 19–2 5.3b,4.9s 730 0-179
IDC IV 25 01 42 59.9–.44 33.15S 71.92W 0 4.8s,4.8b **¶616345109**
MOS IV 25 01 43 01.1–1.3 33.14S 71.88W 10 5.5b,4.8b
VAO IV 25 01 43 01.9–.32 33.10S 72.07W 10 5.2b,4.8b
SJA IV 25 01 43 01.6–1.4 33.21S 72.02W 6–6 5.1L,4.8W
NEIC IV 25 01 43 03 33.26S 71.97W 26 5.1L,4.8W
GUC IV 25 01 43 03.3–.71 33.16S 72.09W 24–11 5.1L,4.8W

GCMT IV 25 01 43 03.0–.40 33.35S–.03 72.31W–.03 31–1 5.5W,4.8W
NEIC IV 25 01 43 03 33.16S 72.09W 26 5.5W,4.8W
NEIC IV 25 01 43 03 33.16S 72.09W 24 5.5W,4.8W
NEIC IV 25 01 43 04.0–1.3 33.14S–.03 72.03W–.02 21–3 5.3b,5.2
ISC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2s1 Moment tensor: Scale 10^{16}Nm; Mrr6.02 Mθθ1.99 Mϕϕ-8.01 Mrθ0.41 Mθϕ-0.95 Mϕr-5.83 NP1:ϕs177.71000°,δ65.09000°,λ81.90000°. NP2:ϕs16.39000°,δ26.12000°,λ106.89000°. Principal axes: T 8.2115,Plg69.0000°,Azm72.0000°; N 1.9517,Plg7.0000°,Azm181.0000°; P -10.1633,Plg20.0000°,Azm274.0000° Mo9.19000$\times10^{16}$
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s41,c45; s86,c99;Duration: 1s3 Moment tensor: Scale 10^{17}Nm; Mrr1.53±.11 Mθθ-0.17±.06; Mϕϕ-1.37±.07; Mrθ0.19±.08; Mθϕ-0.18±.03; Mϕr-1.39±.09; Best double couple: NP1:ϕs178.00000°,δ67.00000°,λ83.00000°. NP2:ϕs16.00000°,δ24.00000°,λ107.00000°. Principal axes: T 2.1150,Plg67.0000°,Azm74.0000°; N -0.1850,Plg7.0000°,Azm181.0000°; P -1.9340,Plg22.0000°,Azm274.0000° Mo2.02500$\times10^{17}$
NEIC Event type se.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; Mrr3.27 Mθθ0.10 Mϕϕ-3.37 Mrθ0.63 Mθϕ-0.12 Mϕr-4.53 NP1:ϕs173.96000°,δ72.12000°,λ84.86000°. NP2:ϕs10.29000°,δ18.58000°,λ105.52000°. Principal axes: T 5.6375,Plg63.0000°,Azm76.0000°; N 0.0351,Plg5.0000°,Azm176.0000°; P -5.6726,Plg27.0000°,Azm268.0000° Mo5.66000$\times10^{16}$

(173) Tonga Islands

ISC IV 25 14 35 16.6–.52 20.54S–.04 173.66W–.05 19–1 5.3b,4.8s 946 4-171
MOS IV 25 14 35 12.0–1.1 20.39S 173.72W 1 5.4b,4.8s **¶610554301**
IDC IV 25 14 35 13.3–.39 20.32S 173.67W 0 5.0,5.0b
NEIC IV 25 14 35 15.0–1.8 20.5S–.10 173.6W–.10 10–1 5.3b,5.0b
BJI IV 25 14 35 14.5–.00 20.04S 173.43W 9 5.6b,5.2b
GCMT IV 25 14 35 18.0–.10 20.58S–.01 173.17W–.01 12 5.2W,5.2b
NOU IV 25 14 35 25.2 20.39S 173.88W 74 5.1b,5.2b
ISC Event type se.
MOS Error ellipse: s-maj=11.8km s-min=8.1km az=66.0.
IDC Error ellipse: s-maj=16.2km s-min=13.2km az=128.0.
NEIC Event type se. Error ellipse: s-maj=17.2km s-min=16.0km az=165.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s86,c129; s140,c244;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; Mrr0.78±.01 Mθθ-0.04±.01; Mϕϕ-0.73±.01; Mrθ0.33±.04; Mθϕ-0.30±.01; Mϕr0.16±.03; Best double couple: NP1:ϕs37.00000°,δ56.00000°,λ110.00000°. NP2:ϕs184.00000°,δ38.00000°,λ63.00000°. Principal axes: T 0.8950,Plg71.0000°,Azm355.0000°; N -0.0020,Plg16.0000°,Azm206.0000°; P -0.8930,Plg9.0000°,Azm113.0000° Mo0.89400$\times10^{17}$
NOU Tonga Islands.

(6) Rat Islands

ISC IV 27 14 46 34.7–.32 51.27N–.04 178.69E–.03 26–1 5.3b,5.2s 1359 3-159
BGR IV 27 14 46 24.2 49.50N 177.50E 33 5.0b,5.2s **¶610570294**
BJI IV 27 14 46 30.7–.00 51.49N 178.53E 15 5.5b,5.5s
AEIC IV 27 14 46 31.7–2.5 51.1N–.10 178.70E–.08 1–3 5.5b,5.5s
IDC IV 27 14 46 33.3–2.0 51.35N 178.70E 19–11 5.4L,5.1s
NEIC IV 27 14 46 33.2–1.9 51.21N–.09 178.64E–.08 19–1 5.7,5.6
NEIC IV 27 14 46 33.6 51.35N 178.62E 26 5.7,5.6
NEIC IV 27 14 46 33.6 51.25N 178.62E 26 5.7,5.6
MOS IV 27 14 46 34.2–1.1 51.19N 178.73E 43 5.5b,5.4s
GCMT IV 27 14 46 37.2–.10 51.23N–.01 178.74E–.01 22–0 5.8W,5.4s
NEIC IV 27 14 46 37 51.30N 178.63E 48 5.8W,5.4s
ISC Event type ke.
BGR Event type ke.
AEIC Event type se. Error ellipse: s-maj=14.5km s-min=7.5km az=177.0. hypocenter. manual.
IDC Error ellipse: s-maj=14.5km s-min=8.4km az=170.0.
NEIC Event type se. Error ellipse: s-maj=15.8km s-min=8.8km az=176.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; Mrr1.66 Mθθ-2.22 Mϕϕ0.56 Mrθ1.65 Mθϕ-1.04 Mϕr0.93 NP1:ϕs268.78000°,δ26.07000°,λ115.60000°. NP2:ϕs60.70000°,δ66.65000°,λ78.06000°. Principal axes: T 2.4313,Plg66.0000°,Azm309.0000°; N 0.8418,Plg11.0000°,Azm65.0000°; P -3.2731,Plg21.0000°,Azm160.0000° Mo2.94000$\times10^{17}$
NEIC Event type se. Moment Tensor Solution.Duration: 3s6 Moment tensor: Scale 10^{17}Nm; Mrr2.95 Mθθ-3.69 Mϕϕ0.74 Mrθ2.60 Mθϕ-0.87 Mϕr1.72 NP1:ϕs62.11000°,δ67.30000°,λ73.09000°. NP2:ϕs280.34000°,δ28.03000°,λ124.81000°. Principal axes: T 4.3665,Plg64.0000°,Azm304.0000°; N 0.5662,Plg16.0000°,Azm69.0000°; P -4.9328,Plg21.0000°,Azm165.0000° Mo4.65000$\times10^{17}$
NEIC Event type se.
MOS Error ellipse: s-maj=5.9km s-min=3.5km az=127.6.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s148,c272; s161,c341;Duration: 1s9 Moment tensor: Scale 10^{17}Nm; Mrr4.10±.06 Mθθ-4.27±.04; Mϕϕ0.17±.04; Mrθ3.05±.09; Mθϕ-1.00±.03; Mϕr1.79±.08; Best double couple: NP1:ϕs66.00000°,δ65.00000°,λ79.00000°. NP2:ϕs271.00000°,δ27.00000°,λ112.00000°. Principal axes: T 5.4740,Plg68.0000°,Azm315.0000°; N 0.1920,Plg10.0000°,Azm71.0000°; P -5.6640,Plg19.0000°,Azm164.0000° Mo5.56900$\times10^{17}$
NEIC Event type se.

(740) Owen Fracture Zone region

ISC IV 27 21 27 28.8–.77 22.51N–.04 60.86E–.03 14–4 4.7b,3.9s 438 1-126
TEH IV 27 21 27 22.8 22.40N 61.13E 10 4.9L,3.9s **¶611833661**
IDC IV 27 21 27 26.8–.53 22.35N 60.95E 0 4.9L,4.4
BJI IV 27 21 27 27.6–.00 22.28N 60.84E 23 5.0b,4.6b
NEIC IV 27 21 27 29.3–2.3 22.67N–.08 60.84E–.06 10–1 4.8b,4.6b
GCMT IV 27 21 27 31.3–.30 22.46N–.02 60.76E–.02 21–1 4.9W,4.6b
DSN IV 27 21 27 31.8–1.7 22.58N 60.62E 10 5.5b,5.0L
OMAN IV 27 21 27 32.4–.25 22.44N 60.54E 13–3 6.0b,5.0L
ISC Event type se.
TEH Error ellipse: s-maj=0.7km s-min=0.6km az=-1.0.
IDC Error ellipse: s-maj=13.3km s-min=10.0km az=9.0.
NEIC Event type se. Error ellipse: s-maj=14.4km s-min=6.3km az=30.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s21,c23; s84,c116;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr0.35±.14 Mθθ2.39±.10; Mϕϕ-2.74±.12; Mrθ0.42±.20; Mθϕ0.86±.10; Mϕr-0.17±.19; Best double couple: NP1:ϕs126.00000°,δ86.00000°,λ10.00000°. NP2:ϕs35.00000°,δ80.00000°,λ176.00000°. Principal axes: T 2.6010,Plg10.0000°,Azm351.0000°; N 0.2970,Plg79.0000°,Azm148.0000°; P -2.8990,Plg4.0000°,Azm260.0000° Mo2.75000$\times10^{16}$
DSN Error ellipse: s-maj=29.2km s-min=13.1km az=4.0.
OMAN Error ellipse: s-maj=6.6km s-min=1.6km az=268.0.

(135) Near coast of central Chile

ISC IV 28 15 30 05.2–.45 33.24S–.02 71.94W–.03 18–2 5.7s,5.5b 1128 0-179
SJA IV 28 15 30 02.5–.79 33.27S 72.12W 10 5.9W,5.5L **¶611833671**
MOS IV 28 15 30 03.5–1.1 33.19S 71.92W 10 5.8s,5.7b
IDC IV 28 15 30 03.1–.35 33.12S 71.81W 0 5.8s,5.1
VAO IV 28 15 30 05.8–.38 33.21S 71.89W 20 5.4b,5.1
GUC IV 28 15 30 05.1–.72 33.26S 72.12W 21–7 5.5L,5.1
NEIC IV 28 15 30 05.4 33.25S 71.77W 24 5.5L,5.1
NEIC IV 28 15 30 05.4 33.25S 72.01W 24 5.5L,5.1
NEIC IV 28 15 30 06.3–2.4 33.22S–.04 71.97W–.06 22–1 5.9,5.9
NEIC IV 28 15 30 06 33.24S 71.97W 24 5.9,5.9
GCMT IV 28 15 30 09.3–.10 33.30S–.01 72.03W–.01 23–0 5.9W,5.9
ISC Event type se. Moment Tensor Solution. NP1:ϕs145.26144°,δ56.63698°,λ55.53780°. NP2:ϕs16.55617°,δ46.47867°,λ130.67517°. Principal axes: T Plg61.1396°,Azm359.2682°; N Plg28.2039°,Azm165.9395°; P Plg5.6277°,Azm258.9687°
NEIC Event type se. Moment Tensor Solution.Duration: 4s3 Moment tensor: Scale 10^{17}Nm; Mrr5.03 Mθθ0.22 Mϕϕ-5.24 Mrθ1.13 Mθϕ0.33 Mϕr-6.64 NP1:ϕs171.56000°,δ71.37000°,λ86.61000°. NP2:ϕs2.07000°,δ18.92000°,λ99.96000°. Principal axes: T 8.3778,Plg63.0000°,Azm76.0000°; N 0.1951,Plg3.0000°,Azm173.0000°; P -8.5729,Plg26.0000°,Azm264.0000° Mo8.48000$\times10^{17}$
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; Mrr5.71 Mθθ0.27 Mϕϕ-5.98 Mrθ1.07 Mθϕ0.99 Mϕr-4.83 NP1:ϕs168.74000°,δ64.95000°,λ87.80000°. NP2:ϕs353.91000°,δ25.14000°,λ94.69000°. Principal axes: T 7.5120,Plg70.0000°,Azm74.0000°; N 0.4113,Plg2.0000°,Azm170.0000°; P -7.9233,Plg20.0000°,Azm260.0000° Mo7.73000$\times10^{17}$
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s150,c315; s152,c440; Duration: 2s2 Moment tensor: Scale 10^{18}Nm; Mrr0.60±.01 Mθθ0.01±.01; Mϕϕ-0.60±.01; Mrθ0.13±.01; Mθϕ0.05±.00; Mϕr-0.70±.01; Best double couple: NP1:ϕs171.00000°,δ70.00000°,λ87.00000°. NP2:ϕs0.00000°,δ20.00000°,λ99.00000°. Principal axes: T 0.9320,Plg65.0000°,Azm75.0000°; N 0.0070,Plg3.0000°,Azm172.0000°; P -0.9380,Plg25.0000°,Azm263.0000° Mo0.93500$\times10^{18}$

(135) Near coast of central Chile

ISC IV 28 15 33 27.6–1.3 33.31S–.03 72.01W–.04 14–7 5.0b 148 0-172
IDC IV 28 15 33 25.7–.71 33.23S 71.95W 0 5.5s,5.1L **¶610589247**
NEIC IV 28 15 33 29.9–1.8 33.30S–.03 71.94W–.05 24–4 5.1b,4.7
GUC IV 28 15 33 30.0–.88 33.33S 71.99W 24–22 4.7L,4.7
ISC Event type se.
IDC Error ellipse: s-maj=34.8km s-min=21.1km az=70.0.
NEIC Event type se. Error ellipse: s-maj=6.2km s-min=4.3km az=65.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=1.9km s-min=5.3km az=-1.0.

(135) Near coast of central Chile

ISC IV 28 16 05 56.4–.45 33.10S–.02 71.76W–.03 27–2 5.8b,5.7s 1459 0-179
IDC IV 28 16 05 52.6–.33 33.03S 71.64W 0 5.6s,5.5b **¶610639145**
MOS IV 28 16 05 52.6–1.1 33.11S 71.81W 10 6.0b,5.6s
VAO IV 28 16 05 54.7–.22 33.04S 71.77W 14 5.7b,5.6s
SJA IV 28 16 05 54.4–.71 33.09S 71.92W 30 6.0W,6.0L
GUC IV 28 16 05 57.6–.90 33.17S 71.66W 26–4 5.8L,6.0L
NEIC IV 28 16 05 57.0–2.1 33.13S–.02 71.80W–.02 27–1 6.0,5.9b
NEIC IV 28 16 05 57.3 33.13S 71.78W 24 6.0,5.9b
NEIC IV 28 16 05 57.4 33.12S 71.79W 28 6.0,5.9b
NEIC IV 28 16 05 57.3 33.13S 71.78W 24 6.0,5.9b
GCMT IV 28 16 06 00.0–.10 33.30S–.01 71.83W–.01 30–0 5.9W,5.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; Mrr2.88 Mθθ-0.72 Mϕϕ-2.16 Mrθ0.08 Mθϕ0.72 Mϕr-3.61 NP1:ϕs173.81000°,δ72.09000°,λ98.00000°. NP2:ϕs329.25000°,δ19.56000°,λ66.70000°. Principal axes: T 4.7761,Plg62.0000°,Azm96.0000°; N -0.6010,Plg8.0000°,Azm351.0000°; P -4.1751,Plg27.0000°,Azm257.0000° Mo4.51000$\times10^{17}$
NEIC Event type se. Moment Tensor Solution.Duration: 4s4 Moment tensor: Scale 10^{17}Nm; Mrr2.71 Mθθ-0.07 Mϕϕ-2.63 Mrθ0.80 Mθϕ0.73 Mϕr-5.72 NP1:ϕs171.37000°,δ77.27000°,λ92.89000°. NP2:ϕs338.47000°,δ13.05000°,λ77.42000°. Principal axes: T 6.3577,Plg58.0000°,Azm85.0000°; N 0.0845,Plg3.0000°,Azm351.0000°; P -6.4422,Plg32.0000°,Azm259.0000° Mo6.40000$\times10^{17}$
NEIC Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s151,c291; s137,c401; Duration: 2s2 Moment tensor: Scale 10^{18}Nm; Mrr0.58±.01 Mθθ-0.03±.01; Mϕϕ-0.55±.01; Mrθ0.08±.01; Mθϕ0.18±.00; Mϕr-0.77±.02; Best double couple: NP1:ϕs172.00000°,δ71.00000°,λ96.00000°. NP2:ϕs334.00000°,δ20.00000°,λ73.00000°. Principal axes: T 0.9650,Plg63.0000°,Azm91.0000°; N 0.0150,Plg6.0000°,Azm350.0000°; P -0.9800,Plg26.0000°,Azm257.0000° Mo0.97200$\times10^{18}$

(259) Mindanao

ISC IV 28 20 23 19.9–.24 5.51N–.02 125.05E–.02 55–1 6.9s,6.5b 3136 1-179
MOS IV 28 20 23 16.5–1.0 5.55N 124.97E 42 6.8s,6.7b **¶611833669**
NEIC IV 28 20 23 17.3–2.0 5.50N–.06 125.07E–.06 26–1 6.9,6.9
MAN IV 28 20 23 17.3 5.40N 125.06E 16 7.2s,7.0b
NEIC IV 28 20 23 17.9 5.52N 125.06E 36 7.2s,7.0b
DJA IV 28 20 23 17.8–.40 5N–4.0 125E–3.0 10 7.2b,7.1
NEIC IV 28 20 23 17.8 5.51N 125.06E 26 7.2b,7.1
NEIC IV 28 20 23 17.9 5.52N 125.06E 36 7.2b,7.1
BJI IV 28 20 23 18.7–.00 5.51N 124.92E 50 7.0s,6.9
NEIC IV 28 20 23 19.8 5.48N 125.08E 42 7.0s,6.9
IDC IV 28 20 23 19.6–1.2 5.63N 124.99E 50–10 6.7s,6.1
KLM IV 28 20 23 22 5.84N 125.00E 56 6.5b,6.1
GCMT IV 28 20 23 23.3–.00 5.49N 124.89E 31–0 6.8W,6.1
NEIC IV 28 20 23 33.1 5.34N 124.83E 32 6.8W,6.1
ISC Event type fe. Moment Tensor Solution. NP1:ϕs340.01993°,δ47.15843°,λ94.40371°. NP2:ϕs153.55838°,δ43.02366°,λ85.26682°. Principal axes: T Plg86.1642°,Azm304.2727°; N Plg3.2275°,Azm157.0224°; P Plg2.0707°,Azm66.9055°
MOS Error ellipse: s-maj=6.4km s-min=3.6km az=113.4.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=9.6km az=175.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{19}Nm; Mrr1.20 Mθθ-0.10 Mϕϕ-1.11 Mrθ-0.13 Mθϕ0.68 Mϕr0.15 NP1:ϕs156.33000°,δ40.91000°,λ94.62000°. NP2:ϕs330.22000°,δ49.25000°,λ86.00000°. Principal axes: T 1.2216,Plg85.0000°,Azm207.0000°; N 0.2452,Plg3.0000°,Azm333.0000°; P -1.4668,Plg4.0000°,Azm63.0000° Mo1.36000$\times10^{19}$
MAN Event type fe.
NEIC Event type se. Moment Tensor Solution.Duration: 13s4 Moment tensor: Scale 10^{19}Nm; Mrr2.40 Mθθ-0.69 Mϕϕ-1.71 Mrθ-0.39 Mθϕ1.38 Mϕr-0.12 NP1:ϕs315.24000°,δ47.23000°,λ76.27000°. NP2:ϕs155.03000°,δ44.51000°,λ104.39000°. Principal axes: T 2.4686,Plg80.0000°,Azm153.0000°; N 0.2053,Plg10.0000°,Azm325.0000°; P -2.6739,Plg1.0000°,Azm55.0000° Mo2.57000$\times10^{19}$
NEIC Event type se.
NEIC Event type se.
NEIC Event type se.
IDC Error ellipse: s-maj=10.3km s-min=7.9km az=59.0.
GCMT nsta1 refers to body waves, cutoff=50s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s179,c482; s174,c834; Duration: 6s5 Moment tensor: Scale 10^{19}Nm; Mrr2.25±.01 Mθθ-0.77±.01; Mϕϕ-1.49±.01; Mrθ-0.23±.01; Mθϕ1.30±.01; Mϕr-0.39±.01; Best double couple: NP1:ϕs154.00000°,δ48.00000°,λ105.00000°. NP2:ϕs312.00000°,δ44.00000°,λ74.00000°. Principal axes: T 2.3380,Plg79.0000°,Azm133.0000°; N 0.1390,Plg11.0000°,Azm323.0000°; P -2.4840,Plg2.0000°,Azm233.0000° Mo2.41100$\times10^{19}$
NEIC Event type se. Moment Tensor Solution.Duration: 15s4 Moment tensor: Scale 10^{19}Nm; Mrr2.46 Mθθ-0.87 Mϕϕ-1.59 Mrθ0.32 Mθϕ1.33 Mϕr-0.82 NP1:ϕs148.05000°,δ54.47000°,λ96.52000°. NP2:ϕs316.92000°,δ36.04000°,λ80.96000°. Principal axes: T 2.6211,Plg79.0000°,Azm84.0000°; N 0.1300,Plg5.0000°,Azm324.0000°; P -2.7511,Plg9.0000°,Azm233.0000° Mo2.69000$\times10^{19}$

(262) Celebes Sea

ISC IV 28 22 07 42.7–.65 4.55N–.04 124.62E–.07 35 4.2b 47 1-65
IDC IV 28 22 07 37.5–1.2 4.33N 124.27E 0 4.4L,4.0 **¶610650260**
DJA IV 28 22 07 40.8–.50 5N–4.0 125E–3.0 10 6.8,6.6
MAN IV 28 22 07 43.6 4.80N 124.55E 21 4.5b,3.3L
NEIC IV 28 22 07 43.3–2.7 4.52N–.06 124.67E–.08 35–7 4.4b,3.3L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(705) Off west coast of northern Sumatera

ISC IV 28 22 43 36.7–.64 1.67N–.07 96.80E–.08 28 4.2b 47 1-84
IDC IV 28 22 43 32.5–1.1 1.63N 96.80E 0 4.2L,4.0 **¶610650263**
DJA IV 28 22 43 36.3–1.1 2N–4.0 97E–7.0 20–13 5.5b,5.0
NEIC IV 28 22 43 38.2–1.1 1.70N–.08 96.9E–.10 29–7 4.4b,5.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(282) South of Jawa

ISC IV 29 10 02 14.1–.29 9.64S–.03 111.80E–.03 21–2 5.5b,5.2s 963 2-159
IDC IV 29 10 02 10.9–.32 9.44S 111.86E 0 5.2b,5.1s **¶611833685**
BJI IV 29 10 02 11.0–.00 9.70S 111.80E 10 5.6b,5.6s
KLM IV 29 10 02 11 9.99S 111.59E 12 5.2b,5.6s
MOS IV 29 10 02 11.8–1.0 9.45S 111.85E 18 5.6b,5.1s
NEIC IV 29 10 02 12.6 9.69S 111.86E 10 5.6b,5.1s
NEIC IV 29 10 02 12.6–1.7 9.67S–.07 111.85E–.06 10–1 5.5,5.5

NEIC	IV	29 10 02 12.6	9.69S	111.86E	10	5.5,5.5		
NEIC	IV	29 10 02 12.6	9.89S	111.76E	12	5.5,5.5		
DJA	IV	29 10 02 14.9–.20	10S–1.0	112E–1.0	22–2	5.9b,5.6		
GCMT	IV	29 10 02 14.5–.10	9.75S	111.87E	12	5.5W,5.6		

ISC Event type se. Moment Tensor Solution. NP1:φs298.90042°,δ77.15702°,λ-84.47930°. NP2: φs95.39963°,δ13.96093°,λ-112.87898°. Principal axes: T Plg31.9409°,Azm24.3024° ; N Plg5.3822°,Azm117.6697°; P Plg57.5004°,Azm216.1742°
IDC Error ellipse: s-maj=12.3km s-min=8.6km az=57.0.
MOS Error ellipse: s-maj=8.1km s-min=4.6km az=114.3.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=9.0km az=204.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; Mrr-1.55 Mθθ1.12 Mφφ0.44 Mrθ1.69 Mθφ0.02 Mφr-0.74 NP1:φs288.35000°,δ72.36000°,λ-83.33000°. NP2:φs87.26000°,δ18.82000° ,λ-110.05000°. Principal axes: T 2.0023,Plg27.0000°,Azm13.0000°; N 0.5278,Plg6.0000° ,Azm106.0000°; P -2.5301,Plg62.0000°,Azm208.0000° M0 2.31000×10^{17}
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 3s4 Moment tensor: Scale 10^{17}Nm; Mrr-1.89 Mθθ1.45 Mφφ0.44 Mrθ1.91 Mθφ-0.44 Mφr0.42 NP1:φs268.04000°,δ69.44000° ,λ-102.70000°. NP2:φs120.73000°,δ24.02000°,λ-59.62000°. Principal axes: T 2.3424,Plg23.0000°,Azm8.0000°; N 0.5078,Plg12.0000°,Azm273.0000° ; P -2.8502,Plg63.0000°,Azm158.0000° M0 2.60000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s133,c219; s153,c294;Duration: 1s3 Moment tensor: Scale 10^{17}Nm; Mrr-1.96±.02 Mθθ1.56±.01; Mφφ0.39±.02; Mrθ0.66±.04; Mθφ-0.32±.01; Mφr-0.20±.05; Best double couple: NP1:φs285.00000°,δ55.00000°,λ-89.00000°. NP2:φs104.00000°,δ35.00000°,λ-91.00000°. Principal axes: T 1.7670,Plg10.0000° ,Azm15.0000°; N 0.3140,Plg1.0000°,Azm105.0000°; P -2.0850,Plg80.0000°,Azm198.0000° M0 1.92600×10^{17}

(235) Kyushu

ISC	**IV**	**29 12 32 33.7–.21**	**30.81N–.02**	**131.43E–.02**	**35–0**	**5.6b,5.6s**	**2053**	**0-176**
BJI	IV	29 12 32 28.4–.00	30.56N	131.67E	29	5.9,5.9s	**¶610589443**	
NIED	IV	29 12 32 33.0	30.78N	131.48E	44	5.7W,5.9s		
NEIC	IV	29 12 32 32.2	30.79N	131.41E	18	5.7W,5.9s		
JMA	IV	29 12 32 33.0–.15	30.8N–.40	131.5E–.90	44–1	5.8W,5.6		
MOS	IV	29 12 32 32.0–1.1	30.80N	131.38E	35	5.9s,5.8b		
NEIC	IV	29 12 32 32.2	30.79N	131.41E	18	5.9s,5.8b		
IDC	IV	29 12 32 33.6–1.6	30.84N	131.33E	36–12	5.5s,5.3		
NEIC	IV	29 12 32 34.1	30.80N	131.43E	24	5.5s,5.3		
BGR	IV	29 12 32 34.6	31.58N	132.42E	33	6.2s,5.6b		
NEIC	IV	29 12 32 34.1–1.7	30.82N–.05	131.42E–.06	31–1	5.7,5.7b		
NEIC	IV	29 12 32 34.1	30.80N	131.66E	24	5.7,5.7b		
GCMT	IV	29 12 32 35.1–.10	30.82N–.01	131.43E–.01	26–0	5.8W,5.7b		

ISC Event type ke. Moment Tensor Solution. NP1:φs211.98109°,δ53.06505°,λ-100.77689°. NP2: φs49.55709°,δ38.25893°,λ-76.03256°. Principal axes: T Plg7.4886°,Azm309.6447° ; N Plg8.5957°,Azm218.5061°; P Plg78.5623°,Azm80.1644°
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{17}Nm; Mrr-3.51 Mθθ0.76 Mφφ2.75 Mrθ1.68 Mθφ0.56 Mφr2.20 NP1:φs208.00000°,δ65.00000°,λ-81.00000°. NP2:φs7.00000° ,δ26.00000°,λ-109.00000°. M0 4.22000×10^{17}
NEIC Event type se.
JMA Event type fe. SE OFF OSUMI PEN .
NEIC Event type se.
NEIC Event type se.
BGR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; Mrr-3.41 Mθθ-0.11 Mφφ3.52 Mrθ0.92 Mθφ0.81 Mφr0.18 NP1:φs358.04000°,δ43.78000°,λ-110.97000°. NP2:φs206.00000°,δ49.75000° ,λ-71.07000°. Principal axes: T 3.7184,Plg3.0000°,Azm283.0000°; N -0.0659,Plg14.0000° ,Azm14.0000°; P -3.6525,Plg75.0000°,Azm181.0000° M0 3.69000×10^{17} Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; Mrr-2.73 Mθθ-0.81 Mφφ3.53 Mrθ0.80 Mθφ1.07 Mφr0.89 NP1:φs356.26000°,δ38.43000°,λ-115.42000°. NP2:φs207.50000°,δ55.85000° ,λ-71.19000°. Principal axes: T 3.9471,Plg9.0000°,Azm284.0000°; N -0.8947,Plg15.0000° ,Azm17.0000°; P -3.0524,Plg72.0000°,Azm165.0000° M0 3.58000×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 3s8 Moment tensor: Scale 10^{17}Nm; Mrr-4.59 Mθθ0.10 Mφφ4.49 Mrθ0.45 Mθφ0.91 Mφr0.23 NP1:φs196.26000°,δ47.14000° ,λ-83.17000°. NP2:φs6.27000°,δ43.30000°,λ-97.30000°. Principal axes: T 4.6797,Plg2.0000° ,Azm281.0000°; N -0.0463,Plg5.0000°,Azm12.0000°; P -4.6334,Plg85.0000°,Azm170.0000° M0 4.66000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s149,c290; s166,c350;Duration: 1s9 Moment tensor: Scale 10^{17}Nm; Mrr-4.89±.06 Mθθ-0.02±.04; Mφφ4.91±.05; Mrθ1.84±.10; Mθφ0.71±.04; Mφr2.89±.10; Best double couple: NP1:φs201.00000°,δ62.00000°,λ-77.00000°. NP2:φs355.00000°,δ30.00000°,λ-113.00000°. Principal axes: T 5.9370,Plg17.0000° ,Azm282.0000°; N 0.1650,Plg11.0000°,Azm15.0000°; P -6.1020,Plg70.0000°,Azm138.0000° M0 6.01900×10^{17}

(177) Kermadec Islands region

ISC	**IV**	**30 12 22 46.1–.50**	**28.95S–.04**	**175.88W–.04**	**23–3**	**5.1b,4.9s**	**627**	**2-167**
BJI	IV	30 12 22 42.7–.00	28.66S	175.48W	13	5.7b,5.1b	**¶611833699**	
NEIC	IV	30 12 22 44.2–2.5	28.7S–.10	175.78W–.09	10–1	5.2b,5.1b		
MOS	IV	30 12 22 44.4–1.3	28.68S	176.16W	10	5.3b,5.1b		
NOU	IV	30 12 22 48.8	29.23S	175.81W	48	5.1b,5.1b		
GCMT	IV	30 12 22 49.2–.10	28.72S–.01	175.81W–.01	13–0	5.4W,5.1b		
IDC	IV	30 12 22 52.2–1.4	28.62S	176.27W	62–11	4.9s,4.8		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.5km s-min=11.0km az=151.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=11.2km s-min=9.6km az=37.5.
NOU Kermadec Islands Region.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s114,c207; s148,c281;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; Mrr-1.33±.02 Mθθ-0.04±.01; Mφφ1.37±.02; Mrθ-0.18±.04; Mθφ0.34±.01; Mφr-0.22±.03; Best double couple: NP1:φs19.00000°,δ51.00000°,λ-82.00000°. NP2:φs187.00000°,δ40.00000°,λ-99.00000°. Principal axes: T 1.4720,Plg5.0000° ,Azm103.0000°; N -0.1060,Plg6.0000°,Azm194.0000°; P -1.3670,Plg82.0000° ,Azm331.0000° M0 1.41900×10^{17}
IDC Error ellipse: s-maj=14.0km s-min=9.9km az=166.0.

(117) Southern Peru

ISC	**IV**	**30 13 29 09.8–.30**	**15.71S–.04**	**71.80W–.06**	**10**	**5.2b,4.6s**	**629**	**3-171**
MOS	IV	30 13 29 08.9–1.5	15.51S	71.76W	10	5.1b,4.6s	**¶610589489**	
IDC	IV	30 13 29 08.5–.54	15.46S	71.48W	0	4.5s,4.3		
VAO	IV	30 13 29 08.9–.55	15.73S	71.93W	10	4.6b,4.3		
NEIC	IV	30 13 29 10	15.76S	71.90W	12	4.6b,4.3		
NEIC	IV	30 13 29 10	15.36S	72.32W	12	4.6b,4.3		
NEIC	IV	30 13 29 10.0–1.4	15.74S–.06	71.89W–.09	10–1	5.2b,5.1		
BJI	IV	30 13 29 11.0–.00	15.70S	71.90W	10	5.6s,5.5b		
GCMT	IV	30 13 29 13.0–.20	15.74S–.01	71.84W–.03	12	5.0W,5.5b		

ISC Event type se. Moment Tensor Solution. NP1:φs285.72632°,δ36.43880°,λ-89.71952°. NP2: φs105.37768°,δ53.56171°,λ-90.20708°. Principal axes: T Plg8.5615°,Azm195.5258° ; N Plg0.1666°,Azm105.5007°; P Plg81.4369°,Azm14.3942°
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2s0 Moment tensor: Scale 10^{16}Nm; Mrr-1.37 Mθθ2.60 Mφφ-1.23 Mrθ5.17 Mθφ-1.28 Mφr-0.73 NP1:φs276.39000°,δ79.15000° ,λ-97.89000°. NP2:φs132.76000°,δ13.38000°,λ-54.38000°. Principal axes: T 6.4367,Plg34.0000°,Azm13.0000°; N -1.5057,Plg8.0000°,Azm278.0000° ; P -4.9310,Plg55.0000°,Azm177.0000° M0 5.68000×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s23,c24; s99,c134;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr-2.33±.12 Mθθ2.74±.06; Mφφ-0.40±.12; Mrθ-2.00±.26; Mθφ-1.26±.07; Mφr2.01±.45; Best double couple: NP1:φs130.00000°,δ69.00000°,λ-71.00000°. NP2:φs265.00000°,δ28.00000°,λ-131.00000°. Principal axes: T 4.2240,Plg22.0000° ,Azm205.0000°; N -0.4380,Plg18.0000°,Azm303.0000°; P -3.7850,Plg61.0000° ,Azm68.0000° M0 4.00400×10^{16}

(284) South of Bali

ISC	**IV**	**30 14 33 48.1–.86**	**9.87S–.05**	**114.92E–.04**	**42–9**	**4.2b**	**127**	**1-125**
DJA	IV	30 14 33 47.6–.40	10S–2.0	115E–1.0	24–4	5.5b,5.0	**¶610589495**	
NEIC	IV	30 14 33 48.3–1.9	9.83S–.06	114.91E–.07	35–2	4.4b,5.0		
IDC	IV	30 14 33 50.8–2.8	9.67S	114.99E	65–24	4.1,3.8b		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=8.9km az=64.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=19.8km s-min=10.5km az=58.0.

(224) Hokkaido region

ISC	**IV**	**30 14 42 35.4–.23**	**42.32N–.03**	**143.08E–.02**	**60–1**	**5.3b**	**1787**	**0-157**
IDC	IV	30 14 42 27.8–.36	42.37N	143.03E	0	5.4L,5.0	**¶610589490**	
BJI	IV	30 14 42 34.1–.00	42.21N	142.90E	62	5.3b,5.1b		
SKHL	IV	30 14 42 34.9–.20	42.20N	143.10E	74–5	6.0b,5.1s		
MOS	IV	30 14 42 34.2–.83	42.26N	143.08E	69	5.6b,4.8s		
NEIC	IV	30 14 42 35.4–1.2	42.31N–.06	143.0E–.10	58–4	5.3,5.3b		
NEIC	IV	30 14 42 35.5	42.29N	142.99E	60	5.3,5.3b		
JMA	IV	30 14 42 35.9–.16	42.3N–.50	143.1E–.60	53–1	5.4W,5.4		
NEIC	IV	30 14 42 35.5	42.09N	143.39E	60	5.4W,5.4		
NIED	IV	30 14 42 35.9	42.32N	143.07E	53	5.4W,5.4		
GCMT	IV	30 14 42 36.4–.10	42.23N–.01	143.21E–.01	58	5.4W,5.4		

ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se.
JMA Event type fe. HIDAKA MOUNTAINS REGION .
NEIC Event type se. Moment Tensor Solution.Duration: 2s2 Moment tensor: Scale 10^{17}Nm; Mrr0.99 Mθθ-0.52 Mφφ-0.47 Mrθ0.20 Mθφ-0.58 Mφr0.61 NP1:φs31.70000°,δ60.92000° ,λ74.81000°. NP2:φs240.88000°,δ32.50000°,λ115.23000°. Principal axes: T 1.2099,Plg70.0000°,Azm269.0000°; N 0.0146,Plg13.0000°,Azm39.0000° ; P -1.2245,Plg15.0000°,Azm133.0000° M0 1.22000×10^{17}
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{17}Nm; Mrr0.99 Mθθ-0.34 Mφφ-0.65 Mrθ0.26 Mθφ-0.54 Mφr0.65 NP1:φs28.00000°,δ62.00000°,λ81.00000°. NP2:φs227.00000° ,δ29.00000°,λ106.00000°. M0 1.24000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s125,c206; s148,c266;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; Mrr1.40±.03 Mθθ-0.61±.02; Mφφ-0.79±.02; Mrθ0.35±.02; Mθφ-0.76±.02; Mφr0.72±.01; Best double couple: NP1:φs34.00000°,δ60.00000°,λ82.00000°. NP2:φs229.00000°,δ31.00000°,λ103.00000°. Principal axes: T 1.6220,Plg74.0000° ,Azm283.0000°; N 0.0400,Plg7.0000°,Azm38.0000°; P -1.6630,Plg14.0000°,Azm130.0000° M0 1.64200×10^{17}

(282) South of Jawa

ISC	**V**	**01 10 43 19.6–.47**	**9.70S–.05**	**111.67E–.05**	**33–2**	**4.7b,3.4s**	**219**	**2-148**
BJI	V	01 10 43 11.5–.00	10.55S	112.11E	40	5.0b,4.8b	**¶610589607**	
IDC	V	01 10 43 15.4–.55	9.44S	111.73E	0	4.5,4.5b		
DJA	V	01 10 43 20.3–.30	10S–2.0	112E–1.0	40–4	5.8,5.8		
NEIC	V	01 10 43 20.8–2.7	9.54S–.08	111.84E–.08	40–8	4.8b,5.8		

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

(19) Southeastern Alaska

ISC	**V**	**01 12 31 55.0–.27**	**59.85N–.01**	**136.71W–.01**	**9–1**	**6.4b,6.2s**	**3534**	**0-168**
AEIC	V	01 12 31 53.0–1.8	59.85N–.04	136.68W–.04	1–2	6.4b,6.2s	**¶611833705**	
BJI	V	01 12 31 53.4–.00	59.91N	136.62W	10	6.7s,6.6b		
IDC	V	01 12 31 54.0–.29	59.93N	136.77W	0	6.0s,5.7		
NEIC	V	01 12 31 54.2	59.87N	136.66W	6	6.0s,5.7		
PGC	V	01 12 31 54.1	59.87N	136.66W	5–0	6.6L,6.2W		
MOS	V	01 12 31 54.3–.80	59.92N	136.74W	13	6.5b,6.1s		
NEIC	V	01 12 31 54	59.84N	136.69W	12	6.5b,6.1s		
NEIC	V	01 12 31 55.6	59.82N	136.70W	10	6.5b,6.1s		
NEIC	V	01 12 31 55.6	59.82N	136.70W	10	6.5b,6.1s		
NEIC	V	01 12 31 55.6–1.9	59.82N–.04	136.71W–.07	10–1	6.4L,6.4b		
BGR	V	01 12 31 57.8	59.89N	137.54W	33	7.1,6.6b		
GCMT	V	01 12 31 59.6–.10	60.03N	136.60W	15–0	6.2W,6.6b		
NEIC	V	01 12 32 00	59.84N	136.69W	16	6.2W,6.6b		

ISC Event type ke.
AEIC Event type se. Error ellipse: s-maj=6.0km s-min=2.9km az=191.0. hypocenter. manual.
IDC Error ellipse: s-maj=8.9km s-min=6.3km az=50.0.
NEIC Event type se. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; Mrr-0.06 Mθθ-0.31 Mφφ-0.22 Mrθ0.33 Mθφ1.91 Mφr-0.92 NP1:φs359.00000°,δ86.00000°,λ-155.00000°. NP2: φs268.00000°,δ65.00000°,λ-4.00000°. Principal axes: T 1.9522,Plg15.0000°,Azm131.0000° ; N 0.3422,Plg65.0000°,Azm7.0000°; P -2.2944,Plg20.0000°,Azm226.0000° M0 2.20000×10^{18}
PGC Event type ke. 109km southeast of Haines Jct., Yt Southeastern Alaska.
MOS Error ellipse: s-maj=7.7km s-min=3.1km az=99.5.
NEIC Event type se.
NEIC Event type se.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=7.0km s-min=5.5km az=22.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; Mrr0.93 Mθθ-0.30 Mφφ-0.63 Mrθ-0.15 Mθφ1.12 Mφr-0.53 NP1:φs168.86000°,δ61.14000°,λ131.53000°. NP2:φs287.45000° ,δ49.03000°,λ39.73000°. Principal axes: T 1.3008,Plg54.0000°,Azm131.0000° ; N 0.3312,Plg35.0000°,Azm326.0000°; P -1.6320,Plg7.0000°,Azm231.0000° M0 1.49000×10^{18} Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; Mrr1.22 Mθθ-0.77 Mφφ-0.45 Mrθ0.04 Mθφ1.15 Mφr-0.64 NP1:φs286.08000°,δ42.45000°,λ51.13000°. NP2: φs153.60000°,δ58.30000°,λ119.86000°. Principal axes: T 1.4992,Plg63.0000°,Azm115.0000° ; N 0.3395,Plg25.0000°,Azm317.0000°; P -1.8387,Plg9.0000°,Azm223.0000° M0 1.69000×10^{18}
BGR Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s166,c385; s166,c600; Duration: 3s0 Moment tensor: Scale 10^{18}Nm; Mrr1.60±.02 Mθθ-0.91±.01; Mφφ-0.68±.01; Mrθ0.03±.03; Mθφ1.94±.01; Mφr-0.79±.03; Best double couple: NP1:φs160.00000°,δ60.00000° ,λ128.00000°. NP2:φs283.00000°,δ47.00000°,λ44.00000°. Principal axes: T 2.0180,Plg57.0000°,Azm123.0000°; N 0.8010,Plg32.0000°,Azm319.0000° ; P -2.8140,Plg7.0000°,Azm224.0000° M0 2.41600×10^{18}
NEIC Event type se. Moment Tensor Solution.Duration: 12s0 Moment tensor: Scale 10^{18}Nm; Mrr1.49 Mθθ-0.81 Mφφ-0.68 Mrθ-0.23 Mθφ1.74 Mφr-1.37 NP1:φs282.00000°,δ46.00000° ,λ35.00000°. NP2:φs165.00000°,δ65.00000°,λ130.00000°. Principal axes: T 2.4889,Plg52.0000°,Azm122.0000°; N 0.1560,Plg36.0000°,Azm326.0000° ; P -2.6448,Plg12.0000°,Azm228.0000° M0 2.57000×10^{18}

(19) Southeastern Alaska

ISC	**V**	**01 14 18 17.1–.27**	**59.77N–.02**	**136.74W–.01**	**4–1**	**6.2s,6.0b**	**2205**	**0-168**
AEIC	V	01 14 18 14.7–1.7	59.79N–.05	136.71W–.07	7–3	6.2s,6.0b	**¶611833703**	
BJI	V	01 14 18 14.9–.00	59.75N	136.60W	10	6.8s,6.4		
NEIC	V	01 14 18 15	59.74N	136.70W	12	6.8s,6.4		
NEIC	V	01 14 18 15.3	59.83N	136.70W	10	6.8s,6.4		
MOS	V	01 14 18 15.5–1.3	59.79N	136.68W	10	6.1b,6.1s		
PGC	V	01 14 18 15.3–.01	59.83N	136.70W	3–0	6.4L,6.3W		
IDC	V	01 14 18 16.0–.28	59.93N	136.68W	0	6.0s,5.5		
NEIC	V	01 14 18 16.5	59.79N	136.73W	10	6.0s,5.5		
NEIC	V	01 14 18 16.5	59.79N	136.73W	10	6.0s,5.5		
NEIC	V	01 14 18 17.7–1.9	59.79N–.04	136.75W–.06	20–1	6.0s,5.5		
GCMT	V	01 14 18 21.3–.10	59.91N	136.60W	14–0	6.2W,5.5		
NEIC	V	01 14 18 22	59.74N	136.50W	18	6.2W,5.5		

ISC Event type ke.
AEIC Event type se. Error ellipse: s-maj=6.7km s-min=5.1km az=195.0. hypocenter. manual.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; Mrr-0.17 Mθθ0.73 Mφφ-1.76 Mrθ0.67 Mθφ2.67 Mφr-0.75 NP1:φs282.00000°,δ82.00000°,λ-14.00000°. NP2: φs14.00000°,δ76.00000°,λ-172.00000°. Principal axes: T 2.8375,Plg4.0000°,Azm328.0000° ; N 0.4990,Plg74.0000°,Azm72.0000°; P -3.3365,Plg16.0000°,Azm237.0000° M0 3.20000×10^{18}
MOS Error ellipse: s-maj=9.2km s-min=3.6km az=96.7.
PGC Event type ke. 112km southeast of Haines Jct., Yt Southeastern Alaska.
IDC Error ellipse: s-maj=8.2km s-min=6.6km az=38.0.
NEIC Event type se.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=7.2km s-min=4.3km az=34.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; Mrr0.38 Mθθ0.82 Mφφ-1.20 Mrθ-0.19 Mθφ2.15 Mφr-0.16 NP1:φs192.28000°,δ85.12000°,λ174.21000°. NP2:φs282.77000°,δ84.23000°

,λ4.90000°. Principal axes: T 2.2201,Plg8.0000°,Azm147.0000°; N 0.3452,Plg82.0000° ,Azm332.0000°; P -2.5653,Plg1.0000°,Azm238.0000° $M_0$2.41000$\times10^{18}$ Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}0.52 $M_{\theta\theta}$0.03 $M_{\phi\phi}$-0.56 $M_{r\theta}$-0.21 $M_{\theta\phi}$1.68 $M_{\phi r}$-0.38 NP1:ϕ_s276.64000°,δ72.83000°,λ12.36000°. NP2:ϕ_s182.93000°,δ78.20000° ,λ162.45000°. Principal axes: T 1.5907,Plg21.0000°,Azm139.0000°; N 0.3830,Plg69.0000° ,Azm330.0000°; P -1.9736,Plg4.0000°,Azm230.0000° $M_0$1.81000$\times10^{18}$
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s169,c408; s172,c646; Duration: 3^{s}3 Moment tensor: Scale 10^{18}Nm; M_{rr}0.52±.01 $M_{\theta\theta}$0.69±.01; $M_{\phi\phi}$-1.21±.01; $M_{r\theta}$-0.56±.04; $M_{\theta\phi}$2.77±.01; $M_{\phi r}$-0.41±.03; Best double couple: NP1:ϕ_s188.00000°,δ79.00000° ,λ168.00000°. NP2:ϕ_s281.00000°,δ78.00000°,λ12.00000°. Principal axes: T 2.8730,Plg16.0000°,Azm144.0000°; N 0.3170,Plg74.0000°,Azm325.0000° ; P -3.1880,Plg0.0000°,Azm234.0000° $M_0$3.03100$\times10^{18}$
NEIC Event type se. Moment Tensor Solution.Duration: 14^{s}0 Moment tensor: Scale 10^{18}Nm; M_{rr}0.49 $M_{\theta\theta}$0.68 $M_{\phi\phi}$-1.18 $M_{r\theta}$-1.39 $M_{\theta\phi}$2.93 $M_{\phi r}$-0.62 NP1:ϕ_s186.00000°,δ68.00000° ,λ165.00000°. NP2:ϕ_s282.00000°,δ76.00000°,λ23.00000°. Principal axes: T 3.5566,Plg26.0000°,Azm145.0000°; N -0.2051,Plg63.0000°,Azm312.0000° ; P -3.3515,Plg5.0000°,Azm53.0000° $M_0$3.46000$\times10^{18}$

(19) Southeastern Alaska
ISC V 01 14 20 24.2–1.1 59.77N–.03 136.65W–.03 3–8 5.7b 52 0-79
ANF V 01 14 20 23.8–.31 59.78N 136.63W 16–3 5.6L **¶610669455**
AEIC V 01 14 20 24.5–1.6 59.80N–.03 136.66W–.04 5–4 5.6L
NEIC V 01 14 20 24.4–1.5 59.78N–.02 136.63W–.04 4–5 5.6b,5.5L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(19) Southeastern Alaska
ISC V 01 14 21 12.9–.28 59.79N–.03 136.66W–.03 10 5.7b 276 0-168
ANF V 01 14 21 11.7–.28 59.79N 136.66W 13–3 5.3L **¶611149803**
MOS V 01 14 21 11.3–.90 59.73N 136.80W 10 6.0b
IDC V 01 14 21 12.4–.45 59.82N 136.72W 0 5.4,5.4b
AEIC V 01 14 21 12.1–1.1 59.78N–.08 136.66W–.08 7–3 5.4,5.4b
NEIC V 01 14 21 13.0–1.0 59.77N–.10 136.68W–.10 10–1 5.7L,5.7b
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(259) Mindanao
ISC V 01 23 07 37.6–1.4 5.47N–.04 125.07E–.04 7–9 4.2b,3.5s 80 1-121
MAN V 01 23 07 33.8 5.16N 125.00E 34 5.6b,4.9s **¶610689346**
DJA V 01 23 07 38.9–.40 5N–4.0 125E–4.0 10 5.0b,4.7b
NEIC V 01 23 07 42.0–1.7 5.49N–.04 124.89E–.09 31–6 4.4b,4.7b
IDC V 01 23 07 46.5–1.7 5.59N 125.43E 85–14 4.0,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=4.3km az=72.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=38.1km s-min=10.4km az=75.0.

(408) Ascension Island region
ISC V 02 15 10 22.1–.24 11.67S–.04 13.99W–.05 7 5.9s,5.4b 668 3-148
MOS V 02 15 10 20.4–1.1 11.70S 13.93W 10 5.8s,5.5b **¶610592313**
IDC V 02 15 10 21.2–.42 11.66S 13.95W 0 5.6s,4.7
NEIC V 02 15 10 22.4–1.0 11.71S–.09 13.94W–.05 10–1 5.9,5.9
NEIC V 02 15 10 22.4 11.72S 13.92W 10 5.9,5.9
NEIC V 02 15 10 22.3 11.52S 14.01W 18 5.9,5.9
NEIC V 02 15 10 22.3 11.72S 13.91W 18 5.9,5.9
GCMT V 02 15 10 26.4–.10 11.63S 13.97W 12 6.0W,5.9
ISC Event type se.
MOS Error ellipse: s-maj=8.9km s-min=5.3km az=56.2.
IDC Error ellipse: s-maj=13.8km s-min=11.7km az=131.0.
NEIC Event type se. Error ellipse: s-maj=16.2km s-min=3.7km az=332.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.30 $M_{\theta\theta}$-2.80 $M_{\phi\phi}$1.50 $M_{r\theta}$1.06 $M_{\theta\phi}$5.50 $M_{\phi r}$-2.73 NP1:ϕ_s167.37000°,δ86.28000°,λ152.72000°. NP2:ϕ_s259.29000°,δ62.78000° ,λ4.18000°. Principal axes: T 5.9165,Plg22.0000°,Azm120.0000°; N 1.3369,Plg62.0000° ,Azm340.0000°; P -7.2534,Plg16.0000°,Azm217.0000° $M_0$6.69000$\times10^{17}$
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 4^{s}9 Moment tensor: Scale 10^{17}Nm; M_{rr}0.67 $M_{\theta\theta}$-5.20 $M_{\phi\phi}$4.53 $M_{r\theta}$-1.82 $M_{\theta\phi}$7.08 $M_{\phi r}$-2.92 NP1:ϕ_s254.70000°,δ76.42000° ,λ16.38000°. NP2:ϕ_s160.75000°,δ74.09000°,λ165.87000°. Principal axes: T 9.5768,Plg21.0000°,Azm118.0000°; N -0.6505,Plg69.0000°,Azm293.0000° ; P -8.9263,Plg2.0000°,Azm27.0000° $M_0$9.25000$\times10^{17}$
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s159,c306; s162,c555; Duration: 2^{s}3 Moment tensor: Scale 10^{18}Nm; M_{rr}0.10±.01 $M_{\theta\theta}$-0.49±.01; $M_{\phi\phi}$0.39±.01; $M_{r\theta}$-0.18±.02; $M_{\theta\phi}$0.93±.01; $M_{\phi r}$0.05±.02; Best double couple: NP1:ϕ_s77.00000°,δ87.00000° ,λ-9.00000°. NP2:ϕ_s168.00000°,δ82.00000°,λ-177.00000°. Principal axes: T 0.9820,Plg4.0000°,Azm123.0000°; N 0.1200,Plg81.0000°,Azm236.0000° ; P -1.1020,Plg8.0000°,Azm32.0000° $M_0$1.04200$\times10^{18}$

(192) New Britain region
ISC V 02 15 25 45.0–.43 5.29S–.06 151.43E–.08 57 4.4b 72 1-149
IDC V 02 15 25 44.3–.64 5.37S 151.42E 53–5 4.2,3.9b **¶610689402**
DJA V 02 15 25 46.8–.60 5S–3.0 151E–5.0 41–8 6.0,6.0
NEIC V 02 15 25 46.5–1.9 5.3S–.10 151.5E–.10 71–8 4.4b,6.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(715) Tajikistan
ISC V 03 04 46 55.3–.88 39.49N–.03 71.34E–.03 13–5 4.7b 411 1-151
IDC V 03 04 46 52.5–.48 39.38N 71.50E 0 5.7s,4.5 **¶616918746**
KRNET V 03 04 46 53.2–.10 39.46N 71.46E 21 4.9b,4.5
MOS V 03 04 46 53.4–.99 39.46N 71.30E 10 4.9b,4.5
NEIC V 03 04 46 55.7–1.0 39.52N–.04 71.34E–.05 10–1 4.8b,4.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(715) Tajikistan
ISC V 03 04 47 13.2–.41 39.42N–.02 71.48E–.02 17–2 6.0s,5.8b 2001 1-153
SOME V 03 04 47 09.2 39.45N 71.58E 5 6.4s,5.8b **¶610593224**
IDC V 03 04 47 10.2–.29 39.40N 71.57E 0 6.0s,5.5
NNC V 03 04 47 12.8–1.1 39.61N 71.38E 0 6.7b,6.6
NEIC V 03 04 47 13.3 39.51N 71.40E 10 6.7b,6.6
NEIC V 03 04 47 13.3 39.51N 71.40E 24 6.7b,6.6
NEIC V 03 04 47 13.3 39.51N 71.27E 24 6.7b,6.6
NEIC V 03 04 47 13.4–1.5 39.49N–.04 71.44E–.05 11–1 6.0,6.0
ISU V 03 04 47 14.6 39.58N 71.46E 30 6.0,6.0
BJI V 03 04 47 15.8–.00 39.42N 71.58E 40 6.3L,6.3s
GCMT V 03 04 47 15.4–.10 39.50N 71.42E 24–0 6.0W,6.3s
ISC Event type se.
IDC Error ellipse: s-maj=8.3km s-min=6.4km az=153.0.
NNC Event type se. Error ellipse: s-maj=10.5km s-min=6.1km az=174.0.
NEIC Event type se.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 4^{s}7 Moment tensor: Scale 10^{18}Nm; M_{rr}0.44 $M_{\theta\theta}$0.41 $M_{\phi\phi}$-0.85 $M_{r\theta}$-0.38 $M_{\theta\phi}$-0.71 $M_{\phi r}$0.23 NP1:ϕ_s345.41000°,δ66.94000° ,λ28.66000°. NP2:ϕ_s243.33000°,δ63.81000°,λ154.13000°. Principal axes: T 1.0484,Plg36.0000°,Azm205.0000°; N 0.1231,Plg54.0000°,Azm21.0000° ; P -1.1715,Plg2.0000°,Azm114.0000° $M_0$1.11000$\times10^{18}$
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=6.3km az=45.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.96 $M_{\theta\theta}$2.36 $M_{\phi\phi}$-4.32 $M_{r\theta}$-2.74 $M_{\theta\phi}$-3.83 $M_{\phi r}$1.12 NP1:ϕ_s345.16000°,δ65.31000°,λ25.70000°. NP2:ϕ_s243.80000°,δ66.79000° ,λ152.97000°. Principal axes: T 6.1809,Plg35.0000°,Azm204.0000°; N -0.1137,Plg55.0000° ,Azm26.0000°; P -6.0672,Plg1.0000°,Azm295.0000° $M_0$6.12000$\times10^{17}$
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s151,c322; s171,c553; Duration: 2^{s}4 Moment tensor: Scale 10^{18}Nm; M_{rr}0.38±.01 $M_{\theta\theta}$0.57±.01; $M_{\phi\phi}$-0.94±.01; $M_{r\theta}$-0.72±.02; $M_{\theta\phi}$-0.68±.01; $M_{\phi r}$0.15±.02; Best double couple: NP1:ϕ_s240.00000°,δ69.00000° ,λ149.00000°. NP2:ϕ_s342.00000°,δ61.00000°,λ24.00000°. Principal axes: T 1.3650,Plg36.0000°,Azm199.0000°; N -0.1490,Plg53.0000°,Azm30.0000° ; P -1.2170,Plg5.0000°,Azm293.0000° $M_0$1.29100$\times10^{18}$

(196) Irian Jaya region
ISC V 03 09 01 08.9–.81 3.40S–.07 131.34E–.06 24 4.1b,3.3s 18 1-99
IDC V 03 09 01 04.3–1.2 3.41S 131.44E 0 4.1,4.1b **¶610689468**
DJA V 03 09 01 10.1–1.3 3S–3.0 131E–3.0 28–13 5.7b,5.2
ISC Event type ke.

(715) Tajikistan
ISC V 05 05 09 35.0–.26 39.44N–.02 71.52E–.02 9–1 6.0b,5.7s 2520 1-151
BGR V 05 05 09 27.9 37.82N 72.35E 33 6.2,5.9b **¶610598542**
IDC V 05 05 09 33.6–.30 39.38N 71.54E 0 5.7,5.7b
SOME V 05 05 09 33.9 39.52N 71.52E 15 6.1s,5.7b
KRNET V 05 05 09 33.7–.10 39.43N 71.50E 18 6.3b,5.7b
BJI V 05 05 09 34.5–.00 39.47N 71.57E 10 6.1s,6.0b
MOS V 05 05 09 34.3–.96 39.40N 71.48E 13 6.2b,5.8s
NEIC V 05 05 09 36.0–2.1 39.48N–.05 71.42E–.05 10–1 6.1b,5.8
NEIC V 05 05 09 35.7 39.47N 71.46E 8 6.1b,5.8
GCMT V 05 05 09 35.9–.10 39.51N–.01 71.41E–.01 18–0 5.8W,5.8
NNC V 05 05 09 36.8–2.4 39.58N 71.32E 2–11 6.2b,6.0
NEIC V 05 05 09 36.2 39.58N 71.42E 22 6.2b,6.0
NEIC V 05 05 09 36.2 39.48N 71.42E 22 6.2b,6.0
ISC Event type ke.
BGR Event type ke.
IDC Error ellipse: s-maj=8.0km s-min=6.9km az=178.0.
MOS Event type fe. Error ellipse: s-maj=3.3km s-min=2.8km az=84.5. Felt (VI) at Karamyk, Alga, Kara-Teyit; (IV) at Batken; (III) at Osh; (II-III) at Shymkent; (II) at Dzhambul, Taraz. Moment Tensor Solution.
NEIC Event type se. Error ellipse: s-maj=8.5km s-min=6.5km az=354.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}3.32 $M_{\theta\theta}$-0.33 $M_{\phi\phi}$-3.00 $M_{r\theta}$-0.47 $M_{\theta\phi}$-1.92 $M_{\phi r}$0.98 NP1:ϕ_s12.14000°,δ52.20000°,λ69.37000°. NP2:ϕ_s223.70000°,δ42.31000° ,λ114.43000°. Principal axes: T 3.6318,Plg73.0000°,Azm224.0000°; N 0.4224,Plg16.0000° ,Azm25.0000°; P -4.0542,Plg5.0000°,Azm117.0000° $M_0$3.86000$\times10^{17}$
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s153,c315; s164,c531; Duration: 2^{s}0 Moment tensor: Scale 10^{17}Nm; M_{rr}6.41±.06 $M_{\theta\theta}$-1.44±.05; $M_{\phi\phi}$-4.96±.05; $M_{r\theta}$-1.63±.14; $M_{\theta\phi}$-3.93±.04; $M_{\phi r}$0.19±.12; Best double couple: NP1:ϕ_s227.00000°,δ50.00000° ,λ109.00000°. NP2:ϕ_s19.00000°,δ44.00000°,λ69.00000°. Principal axes: T 6.8260,Plg75.0000°,Azm202.0000°; N 0.7290,Plg14.0000°,Azm34.0000° ; P -7.5450,Plg3.0000°,Azm303.0000° $M_0$7.18500$\times10^{17}$
NNC Event type se. Error ellipse: s-maj=16.4km s-min=8.8km az=4.0.
NEIC Event type se. Moment Tensor Solution.Duration: 4^{s}0 Moment tensor: Scale 10^{17}Nm; M_{rr}5.99 $M_{\theta\theta}$-1.48 $M_{\phi\phi}$-4.51 $M_{r\theta}$1.40 $M_{\theta\phi}$-3.01 $M_{\phi r}$0.80 NP1:ϕ_s38.94000°,δ51.91000° ,λ99.23000°. NP2:ϕ_s204.19000°,δ39.02000°,λ78.43000°. Principal axes: T 6.2505,Plg80.0000°,Azm351.0000°; N 0.2776,Plg7.0000°,Azm213.0000° ; P -6.5281,Plg6.0000°,Azm122.0000° $M_0$6.39000$\times10^{17}$
NEIC Event type se.

(196) Irian Jaya region
ISC V 05 10 19 42.8–.83 3.57S–.07 131.26E–.06 24 19 1-129
IDC V 05 10 19 38.5–1.9 3.53S 131.55E 0 3.7b,3.6 **¶610689606**
DJA V 05 10 19 44.4–1.0 3S–6.0 131E–2.0 28–10 5.8b,5.3
ISC Event type ke.

(277) Jawa
ISC V 05 23 17 31.7–1.0 8.09S–.08 107.84E–.05 57–9 4.2b 64 1-146
IDC V 05 23 17 24.2–.82 7.85S 107.91E 0 4.0,4.0b **¶610689631**
DJA V 05 23 17 29.8–.50 8S–2.0 108E–2.0 16–4 7.1,6.9
NEIC V 05 23 17 32.8–2.2 8.0S–.10 107.9E–.10 63–8 4.3b,6.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(150) Scotia Sea
ISC V 06 00 16 09.5–.18 60.83S–.04 38.09W–.04 10 5.6b,5.5s 820 3-168
IDC V 06 00 16 07.0–.33 60.80S 37.88W 0 5.3s,5.3 **¶616639891**
BJI V 06 00 16 08.2–.00 60.80S 38.00W 8 5.7s,5.6b
MOS V 06 00 16 08.3–1.4 60.73S 38.02W 11 5.7b,5.3s
NEIC V 06 00 16 09.4 60.83S 38.06W 26 5.7b,5.3s
NEIC V 06 00 16 09.6–1.8 60.83S–.06 38.0W–.10 12–1 5.9,5.8
NEIC V 06 00 16 09.3 60.81S 37.97W 10 5.9,5.8
NEIC V 06 00 16 09.4 60.83S 37.65W 26 5.9,5.8
GCMT V 06 00 16 13.7–.10 61.04S 37.81W 23–0 5.9W,5.8
ISC Event type se.
IDC Error ellipse: s-maj=14.9km s-min=10.1km az=57.0.
MOS Error ellipse: s-maj=21.0km s-min=8.2km az=101.1.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=10.9km az=79.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.70 $M_{\theta\theta}$0.07 $M_{\phi\phi}$0.63 $M_{r\theta}$1.66 $M_{\theta\phi}$6.86 $M_{\phi r}$0.67 NP1:ϕ_s88.99000°,δ87.28000°,λ13.20000°. NP2:ϕ_s358.35000°,δ76.81000° ,λ177.21000°. Principal axes: T 7.5368,Plg11.0000°,Azm314.0000°; N -0.9295,Plg77.0000° ,Azm100.0000°; P -6.6073,Plg7.0000°,Azm223.0000° $M_0$7.12000$\times10^{17}$
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 4^{s}3 Moment tensor: Scale 10^{17}Nm; M_{rr}-2.26 $M_{\theta\theta}$0.58 $M_{\phi\phi}$1.68 $M_{r\theta}$2.78 $M_{\theta\phi}$7.85 $M_{\phi r}$-1.04 NP1:ϕ_s264.92000°,δ76.56000° ,λ-22.92000°. NP2:ϕ_s0.53000°,δ67.75000°,λ-165.46000°. Principal axes: T 9.1119,Plg6.0000°,Azm314.0000°; N -1.0590,Plg64.0000°,Azm56.0000° ; P -8.0528,Plg26.0000°,Azm221.0000° $M_0$8.58000$\times10^{17}$
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s157,c327; s173,c542; Duration: 2^{s}2 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.43±.06 $M_{\theta\theta}$0.67±.06; $M_{\phi\phi}$0.76±.06; $M_{r\theta}$2.20±.11; $M_{\theta\phi}$8.37±.06; $M_{\phi r}$1.98±.11; Best double couple: NP1:ϕ_s91.00000°,δ81.00000° ,λ12.00000°. NP2:ϕ_s359.00000°,δ78.00000°,λ171.00000°. Principal axes: T 9.8590,Plg15.0000°,Azm315.0000°; N -2.1990,Plg75.0000°,Azm128.0000° ; P -7.6600,Plg2.0000°,Azm225.0000° $M_0$8.75900$\times10^{17}$

(706) Northern Sumatera
ISC V 06 10 21 01.2–.74 0.60N–.04 99.51E–.03 16–4 4.6b,3.7s 98 1-146
IDC V 06 10 20 58.6–.59 0.76N 99.72E 0 4.2,4.2b **¶610617744**
BJI V 06 10 20 58.8–.00 0.32N 99.49E 20 4.9b,4.6b
NEIC V 06 10 21 00.8–1.1 0.61N–.07 99.54E–.05 10–1 4.8b,4.6b
DJA V 06 10 21 02.6–.20 1N–2.0 100E–2.0 10 5.5b,5.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(9) Fox Islands
ISC V 06 20 43 18.8–.32 52.03N–.04 170.57W–.03 31–1 5.3b,4.6s 1454 1-159
AEIC V 06 20 43 16.2–2.1 51.93N–.05 170.45W–.08 5–3 5.3b,4.6s **¶610617724**
MOS V 06 20 43 17.1–.92 52.06N 170.58W 30 5.5b,4.5s
BJI V 06 20 43 17.3–.00 52.34N 171.05W 19 5.3b,5.1b
NEIC V 06 20 43 17.8 51.59N 170.73W 36 5.3b,5.1b
NEIC V 06 20 43 17.8 52.09N 170.57W 36 5.3b,5.1b
IDC V 06 20 43 18.8–2.0 52.12N 170.69W 31–14 5.0,4.9b
GCMT V 06 20 43 19.9–.20 51.97N–.01 170.56W–.02 22–0 5.2W,4.9b
NEIC V 06 20 43 19.3–1.7 52.11N–.06 170.54W–.08 32–4 5.3b,5.2
BGR V 06 20 43 30.3 53.64N 170.75W 33 5.4b,4.4s
ISC Event type ke.
AEIC Event type se. Error ellipse: s-maj=8.8km s-min=4.6km az=133.0. hypocenter. manual.
MOS Error ellipse: s-maj=6.6km s-min=3.7km az=97.3.
NEIC Event type se. Moment Tensor Solution.Duration: 1^{s}9 Moment tensor: Scale 10^{16}Nm; M_{rr}4.88 $M_{\theta\theta}$-5.65 $M_{\phi\phi}$0.77 $M_{r\theta}$3.51 $M_{\theta\phi}$-2.20 $M_{\phi r}$1.49 NP1:ϕ_s68.61000°,δ62.20000° ,λ85.36000°. NP2:ϕ_s258.49000°,δ28.16000°,λ98.73000°. Principal axes: T 6.0767,Plg72.0000°,Azm328.0000°; N 1.4183,Plg4.0000°,Azm71.0000° ; P -7.4950,Plg17.0000°,Azm162.0000° $M_0$6.79000$\times10^{16}$
NEIC Event type se.
IDC Error ellipse: s-maj=12.4km s-min=7.3km az=166.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s89,c137; s118,c191;Duration: 1^{s}0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.67±.02 $M_{\theta\theta}$-0.62±.01; $M_{\phi\phi}$-0.05±.01; $M_{r\theta}$0.33±.02; $M_{\theta\phi}$-0.22±.01; $M_{\phi r}$0.29±.02; Best double couple: NP1:ϕ_s59.00000°,δ62.00000°,λ79.00000°. NP2:ϕ_s263.00000°,δ31.00000°,λ110.00000°. Principal axes: T 0.8140,Plg71.0000°

,Azm304.0000°; N -0.0060,Plg10.0000°,Azm65.0000°; P -0.8090,Plg16.0000°
,Azm158.0000° $M_0$0.81100×10^{17}
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=5.5km az=146.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BGR Event type ke.

(190) New Ireland region

ISC	**V**	**08 09 59 44.9–.40**	**4.81S–.04**	**153.27E–.04**	**43–3**	**5.0b,4.6s**	**445**	**1-158**
IDC	V	08 09 59 39.9–1.7	4.76S	153.35E	10–9	4.9,4.9b		**¶616639901**
BJI	V	08 09 59 44.1–.00	4.53S	153.76E	54	5.1b,4.9b		
MOS	V	08 09 59 44.0–1.2	4.76S	153.21E	41	5.4b,4.7s		
NEIC	V	08 09 59 46.3–1.8	4.85S–.05	153.20E–.06	55–6	4.9b,4.7s		
DJA	V	08 09 59 47.4–.50	5S–3.0	153E–4.0	65–4	5.8,5.5b		
GCMT	V	08 09 59 47.3–.20	4.97S–.01	153.23E–.01	35–0	5.2W,5.5b		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s83,c111; s129,c202;Duration: 0
Moment tensor: Scale 10^{17}Nm; M_{rr}0.50±.02 $M_{\theta\theta}$0.26±.01; $M_{\phi\phi}$-0.75±.01; $M_{r\theta}$-0.29±.02; $M_{\theta\phi}$-0.06±.01; $M_{\phi r}$-0.18±.02; Best double couple: NP1:ϕ_s211.00000°,δ61.00000°,λ127.00000°. NP2:ϕ_s334.00000°,δ45.00000°,λ42.00000°. Principal axes: T 0.7050,Plg57.0000°
,Azm172.0000°; N 0.0870,Plg32.0000°,Azm11.0000°; P -0.7920,Plg9.0000°,Azm276.0000°
$M_0$0.74800×10^{17}

(7) Andreanof Islands

ISC	**V**	**08 15 31 27.9–.32**	**51.12N–.04**	**177.06W–.02**	**26–1**	**5.6b,5.5s**	**1872**	**1-159**
BJI	V	08 15 31 23.9–.00	51.04N	177.10W	19	5.9s,5.7b		**¶611833842**
NEIC	V	08 15 31 26.9	51.09N	177.10W	19	5.9s,5.7b		
NEIC	V	08 15 31 26.5–2.2	51.03N–.05	177.01W–.06	17–1	5.7,5.7b		
NEIC	V	08 15 31 26.9	50.89N	177.26W	22	5.7,5.7b		
NEIC	V	08 15 31 26.9	51.09N	177.10W	22	5.7,5.7b		
MOS	V	08 15 31 27.4–1.0	51.14N	177.08W	34	5.7b,5.5s		
IDC	V	08 15 31 28.9–3.8	51.20N	177.09W	33–28	5.5s,5.5L		
AEIC	V	08 15 31 28.7–1.8	51.07N–.05	177.01W–.07	40–4	5.5s,5.5L		
GCMT	V	08 15 31 28.5–.10	51.06N–.01	176.88W–.01	18–0	5.8W,5.5L		
BGR	V	08 15 31 29.8	50.93N	178.46W	33	5.7,5.6b		

ISC Event type ke.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=5.7km az=152.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}2.29 $M_{\theta\theta}$-1.74 $M_{\phi\phi}$-0.55 $M_{r\theta}$1.39 $M_{\theta\phi}$-0.23 $M_{\phi r}$1.17 NP1:ϕ_s265.62000°,δ26.23000°,λ111.95000°. NP2:ϕ_s61.42000°,δ65.79000°
,λ79.56000°. Principal axes: T 3.0272,Plg68.0000°,Azm312.0000°; N -0.6549,Plg10.0000°
,Azm66.0000°; P -2.3723,Plg20.0000°,Azm159.0000° $M_0$2.76000×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 3s7 Moment tensor: Scale 10^{17}Nm; M_{rr}3.38 $M_{\theta\theta}$-3.42 $M_{\phi\phi}$0.04 $M_{r\theta}$2.66 $M_{\theta\phi}$-0.92 $M_{\phi r}$1.12 NP1:ϕ_s70.18000°,δ64.78000°
,λ84.68000°. NP2:ϕ_s262.50000°,δ25.74000°,λ101.13000°. Principal axes:
T 4.4362,Plg70.0000°,Azm329.0000°; N 0.2310,Plg5.0000°,Azm72.0000°
; P -4.6672,Plg20.0000°,Azm164.0000° $M_0$4.55000×10^{17}
NEIC Event type se.
MOS Error ellipse: s-maj=6.9km s-min=4.0km az=107.1.
IDC Error ellipse: s-maj=13.4km s-min=7.8km az=166.0.
AEIC Event type se. Error ellipse: s-maj=8.4km s-min=5.6km az=152.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s146,c280; s149,c325;Duration: 1s9
Moment tensor: Scale 10^{17}Nm; M_{rr}3.92±.06 $M_{\theta\theta}$-3.67±.05; $M_{\phi\phi}$-0.25±.04; $M_{r\theta}$3.46±.13; $M_{\theta\phi}$-1.32±.04; $M_{\phi r}$1.56±.12; Best double couple: NP1:ϕ_s67.00000°,δ67.00000°,λ87.00000°. NP2:ϕ_s255.00000°,δ23.00000°,λ97.00000°. Principal axes: T 5.4380,Plg68.0000°
,Azm331.0000°; N 0.1820,Plg3.0000°,Azm69.0000°; P -5.6200,Plg22.0000°,Azm160.0000°
$M_0$5.52900×10^{17}
BGR Event type ke.

(7) Andreanof Islands

ISC	**V**	**08 15 47 30.4–.35**	**51.09N–.04**	**176.99W–.02**	**27–1**	**5.8b,5.7s**	**1674**	**1-160**
BJI	V	08 15 47 26.6–.00	51.20N	177.01W	18	6.0b,6.0s		**¶611150171**
NEIC	V	08 15 47 29.1–2.3	51.05N–.05	176.99W–.06	17–1	5.9,5.9b		
MOS	V	08 15 47 30.6–1.1	51.16N	177.03W	37	5.9b,5.7s		
AEIC	V	08 15 47 30.4–2.1	51.00N–.05	176.91W–.07	42–4	5.9b,5.7s		
NEIC	V	08 15 47 30	51.07N	176.99W	22	5.9b,5.7s		
NEIC	V	08 15 47 31.9	50.79N	177.12W	26	5.9b,5.7s		
NEIC	V	08 15 47 31.9	51.19N	177.12W	26	5.9b,5.7s		
BGR	V	08 15 47 33.0	51.03N	178.80W	33	5.7b,5.6s		
IDC	V	08 15 47 32.4–1.4	51.25N	177.05W	37–10	5.8L,5.6s		
GCMT	V	08 15 47 32.1–.10	51.06N–.01	176.87W–.01	16–0	5.9W,5.6s		

ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}5.64 $M_{\theta\theta}$-3.23 $M_{\phi\phi}$-2.41 $M_{r\theta}$3.67 $M_{\theta\phi}$-0.04 $M_{\phi r}$3.01 NP1:ϕ_s248.98000°,δ21.77000°,λ101.60000°. NP2:ϕ_s56.52000°,δ68.70000°
,λ85.41000°. Principal axes: T 7.7471,Plg66.0000°,Azm319.0000°; N -2.6454,Plg4.0000°
,Azm58.0000°; P -5.1017,Plg24.0000°,Azm150.0000° $M_0$6.82000×10^{17}
AEIC Event type se. hypocenter. manual.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 4s2 Moment tensor: Scale 10^{17}Nm; M_{rr}5.42 $M_{\theta\theta}$-5.65 $M_{\phi\phi}$0.24 $M_{r\theta}$5.16 $M_{\theta\phi}$-1.45 $M_{\phi r}$1.83 NP1:ϕ_s72.17000°,δ66.96000°
,λ85.94000°. NP2:ϕ_s262.45000°,δ23.37000°,λ99.44000°. Principal axes:
T 7.6380,Plg68.0000°,Azm335.0000°; N 0.5367,Plg4.0000°,Azm74.0000°
; P -8.1747,Plg22.0000°,Azm165.0000° $M_0$7.91000×10^{17}
NEIC Event type se.
BGR Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s154,c312; s163,c510;
Duration: 2s2 Moment tensor: Scale 10^{18}Nm; M_{rr}0.58±.01 $M_{\theta\theta}$-0.55±.01; $M_{\phi\phi}$-0.03±.01; $M_{r\theta}$0.73±.03; $M_{\theta\phi}$-0.17±.00; $M_{\phi r}$0.23±.02; Best double couple: NP1:ϕ_s73.00000°,δ71.00000°
,λ90.00000°. NP2:ϕ_s253.00000°,δ19.00000°,λ90.00000°. Principal axes:
T 0.9570,Plg64.0000°,Azm343.0000°; N 0.0220,Plg0.0000°,Azm73.0000°
; P -0.9790,Plg26.0000°,Azm163.0000° $M_0$0.96800×10^{18}

(7) Andreanof Islands

ISC	**V**	**08 17 00 47.6–.30**	**51.71N–.03**	**178.60W–.02**	**17–1**	**6.2s,5.9b**	**2549**	**0-160**
BJI	V	08 17 00 43.7–.00	51.94N	178.45W	10	6.4s,6.2		**¶610618045**
IDC	V	08 17 00 44.5–.33	51.68N	178.47W	0	6.1s,5.3		
AEIC	V	08 17 00 45.3–2.2	51.63N–.07	178.52W–.03	3–2	6.1s,5.3		
NEIC	V	08 17 00 47	51.81N	178.57W	12	6.1s,5.3		
NEIC	V	08 17 00 47.5–2.0	51.73N–.05	178.59W–.05	13–1	6.2,6.2		
GCMT	V	08 17 00 49.5–.00	51.76N	178.38W	12	6.2W,6.2		
MOS	V	08 17 00 49.0–1.1	51.82N	178.58W	36	6.1s,5.9b		
NEIC	V	08 17 00 51	52.01N	178.57W	12	6.1s,5.9b		
BGR	V	08 17 00 53.5	52.05N	179.63W	33	6.1s,5.2b		

ISC Event type ke.
IDC Error ellipse: s-maj=12.9km s-min=8.6km az=176.0.
AEIC Event type se. Error ellipse: s-maj=9.6km s-min=2.6km az=174.0. hypocenter. manual.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=8.6km s-min=4.6km az=165.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s173,c401; s174,c700;
Duration: 3s1 Moment tensor: Scale 10^{18}Nm; M_{rr}-1.05±.01 $M_{\theta\theta}$-0.81±.01; $M_{\phi\phi}$1.86±.01; $M_{r\theta}$0.30±.03; $M_{\theta\phi}$-2.19±.01; $M_{\phi r}$-0.17±.03; Best double couple: NP1:ϕ_s286.00000°,δ86.00000°
,λ-170.00000°. NP2:ϕ_s196.00000°,δ80.00000°,λ-4.00000°. Principal axes:
T 3.1100,Plg4.0000°,Azm61.0000°; N -1.0400,Plg79.0000°,Azm309.0000°
; P -2.0730,Plg10.0000°,Azm151.0000° $M_0$2.59200×10^{18}
MOS Error ellipse: s-maj=5.5km s-min=3.9km az=99.3.
NEIC Event type se. Moment Tensor Solution.Duration: 8s2 Moment tensor: Scale 10^{18}Nm; M_{rr}-1.33 $M_{\theta\theta}$-0.58 $M_{\phi\phi}$1.92 $M_{r\theta}$-1.43 $M_{\theta\phi}$-1.16 $M_{\phi r}$0.46 NP1:ϕ_s12.00000°,δ44.00000°
,λ-31.00000°. NP2:ϕ_s126.00000°,δ69.00000°,λ-129.00000°. Principal axes:
T 2.6236,Plg15.0000°,Azm244.0000°; N -0.1537,Plg36.0000°,Azm143.0000°
; P -2.4699,Plg50.0000°,Azm352.0000° $M_0$2.55000×10^{18}
BGR Event type ke.

(238) Ryukyu Islands

ISC	**V**	**09 01 54 16.0–.40**	**24.44N–.02**	**126.31E–.02**	**18–1**	**5.8b,5.8s**	**1872**	**1-176**
IDC	V	09 01 54 12.7–.33	24.44N	126.30E	0	5.6s,5.5		**¶610618206**
MOS	V	09 01 54 12.8–1.3	24.32E	126.32E	10	6.1b,5.9s		
BJI	V	09 01 54 13.8–.00	24.47N	126.39E	20	6.2s,6.0		
NEIC	V	09 01 54 14.6–1.7	24.45N–.06	126.32E–.05	10–1	6.0,6.0		
NEIC	V	09 01 54 14.7	24.44N	126.29E	10	6.0,6.0		
NEIC	V	09 01 54 14.7	24.42N	126.29E	16	6.0,6.0		
NEIC	V	09 01 54 14.7	24.14N	126.40E	16	6.0,6.0		
JMA	V	09 01 54 15.2–.10	24.4N–.80	126.3E–.60	79–1	6.4,6.1W		
NIED	V	09 01 54 15.2	24.38N	126.33E	79	6.0W,6.1W		
GCMT	V	09 01 54 17.5–.10	24.28N	126.28E	19–0	6.0W,6.1W		
BGR	V	09 01 54 23.4	24.56N	125.16E	33	6.4s,6.0		

ISC Event type ke.
IDC Error ellipse: s-maj=10.4km s-min=8.3km az=79.0.
MOS Error ellipse: s-maj=5.5km s-min=3.2km az=113.6.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=7.8km az=338.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}0.35 $M_{\theta\theta}$0.39 $M_{\phi\phi}$-0.74 $M_{r\theta}$-0.06 $M_{\theta\phi}$1.17 $M_{\phi r}$0.07 NP1:ϕ_s193.00000°,δ87.39000°,λ-178.63000°. NP2:ϕ_s102.94000°,δ88.63000°
,λ-2.62000°. Principal axes: T 1.1188,Plg1.0000°,Azm148.0000°; N 0.3581,Plg87.0000°
,Azm255.0000°; P -1.4768,Plg3.0000°,Azm58.0000° $M_0$1.33000×10^{18}
NEIC Event type se.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 4s9 Moment tensor: Scale 10^{18}Nm; M_{rr}0.24 $M_{\theta\theta}$0.43 $M_{\phi\phi}$-0.67 $M_{r\theta}$0.16 $M_{\theta\phi}$1.12 $M_{\phi r}$0.01 NP1:ϕ_s103.47000°,δ85.81000°,λ8.14000°. NP2:ϕ_s12.87000°,δ81.88000°,λ175.77000°. Principal axes: T 1.1512,Plg9.0000°
,Azm328.0000°; N 0.2184,Plg81.0000°,Azm131.0000°; P -1.3695,Plg3.0000°,Azm238.0000°
$M_0$1.26000×10^{18}
JMA Event type fe. NEAR MIYAKOJIMA ISLAND .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.06 $M_{\theta\theta}$0.26 $M_{\phi\phi}$-0.20 $M_{r\theta}$-0.32 $M_{\theta\phi}$1.19 $M_{\phi r}$-0.03 NP1:ϕ_s276.00000°,δ88.00000°,λ15.00000°. NP2:ϕ_s185.00000°
,δ75.00000°,λ178.00000°. $M_0$1.25000×10^{18}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s154,c353; s168,c608;
Duration: 2s6 Moment tensor: Scale 10^{18}Nm; M_{rr}0.03±.01 $M_{\theta\theta}$0.63±.01; $M_{\phi\phi}$-0.66±.01; $M_{r\theta}$0.22±.02; $M_{\theta\phi}$1.35±.01; $M_{\phi r}$0.10±.02; Best double couple: NP1:ϕ_s103.00000°,δ84.00000°
,λ7.00000°. NP2:ϕ_s12.00000°,δ83.00000°,λ174.00000°. Principal axes: T 1.5230,Plg9.0000°
,Azm328.0000°; N -0.0100,Plg81.0000°,Azm141.0000°; P -1.5120,Plg1.0000°
,Azm238.0000° $M_0$1.51800×10^{18}
BGR Event type ke.

(160) Off east coast of North Island

ISC	**V**	**09 06 19 57.0–.40**	**37.79S–.03**	**177.65E–.03**	**52–3**	**5.1b,3.9s**	**359**	**0-178**
BJI	V	09 06 19 54.4–.00	37.67S	178.17E	48	5.5b,5.3b		**¶610667642**
MOS	V	09 06 19 55.0–1.2	37.73S	177.53E	41	5.1b,5.3b		
NEIC	V	09 06 19 56.8	37.78S	177.74E	50	5.1b,5.3b		
NEIC	V	09 06 19 56.2–3.4	37.73S–.08	177.77E–.09	50–4	5.1b,4.9		
IDC	V	09 06 19 57.5–1.5	37.73S	177.60E	56–11	4.8,4.6b		
WEL	V	09 06 19 58.4–.39	38S–4.0	178E–4.0	31–4	4.9L,4.7		
GCMT	V	09 06 19 59.9–.40	37.80S–.03	177.87E–.04	49–1	5.0W,4.7		

ISC Event type se.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}2.17 $M_{\theta\theta}$-0.30 $M_{\phi\phi}$-1.87 $M_{r\theta}$-0.23 $M_{\theta\phi}$-0.78 $M_{\phi r}$0.94 NP1:ϕ_s215.21000°,δ36.52000°,λ111.48000°. NP2:ϕ_s9.12000°,δ56.38000°
,λ74.83000°. Principal axes: T 2.4361,Plg74.0000°,Azm238.0000°; N -0.1006,Plg13.0000°
,Azm18.0000°; P -2.3355,Plg10.0000°,Azm110.0000° $M_0$2.39000×10^{16}
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s47,c53; s44,c56;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}3.98±.22 $M_{\theta\theta}$-1.11±.16; $M_{\phi\phi}$-2.87±.14; $M_{r\theta}$0.37±.11; $M_{\theta\phi}$-0.81±.08; $M_{\phi r}$1.04±.10; Best double couple: NP1:ϕ_s21.00000°,δ54.00000°,λ90.00000°. NP2:ϕ_s202.00000°,δ36.00000°,λ91.00000°. Principal axes: T 4.1470,Plg81.0000°
,Azm289.0000°; N -0.7930,Plg0.0000°,Azm21.0000°; P -3.3530,Plg9.0000°,Azm111.0000°
$M_0$3.75000×10^{16}

(7) Andreanof Islands

ISC	**V**	**09 08 59 05.9–.31**	**51.17N–.04**	**177.13W–.02**	**32–1**	**5.6b,5.1s**	**2006**	**1-160**
MOS	V	09 08 59 03.5–1.0	51.16N	177.11W	28	5.8b,5.1s		**¶616639907**
NEIC	V	09 08 59 03.4	50.79N	177.17W	16	5.8b,5.1s		
NEIC	V	09 08 59 03.4	51.09N	177.17W	16	5.8b,5.1s		
NEIC	V	09 08 59 03.4–2.2	51.03N–.05	177.04W–.06	16–1	5.6b,5.5		
BJI	V	09 08 59 03.0–.00	51.24N	177.23W	29	5.6b,5.6b		
AEIC	V	09 08 59 04.5–2.6	50.97N–.05	177.03W–.06	38–4	5.6b,5.6b		
GCMT	V	09 08 59 05.1–.10	51.08N–.01	176.91W–.01	13–0	5.4W,5.6b		
IDC	V	09 08 59 05.8–2.9	51.21N	177.12W	32–21	5.2,5.2L		
NEIC	V	09 08 59 06.8	51.17N	177.16W	36	5.2,5.2L		
BGR	V	09 08 59 10.0	51.63N	177.95W	33	5.8b,5.0s		

ISC Event type ke.
MOS Error ellipse: s-maj=6.3km s-min=3.9km az=103.7.
NEIC Event type se. Moment Tensor Solution.Duration: 2s7 Moment tensor: Scale 10^{17}Nm; M_{rr}0.86 $M_{\theta\theta}$-0.95 $M_{\phi\phi}$0.08 $M_{r\theta}$1.47 $M_{\theta\phi}$-0.24 $M_{\phi r}$0.76 NP1:ϕ_s64.38000°,δ75.70000°
,λ82.31000°. NP2:ϕ_s273.06000°,δ16.19000°,λ117.71000°. Principal axes:
T 1.8621,Plg59.0000°,Azm324.0000°; N 0.0824,Plg7.0000°,Azm66.0000°
; P -1.9446,Plg30.0000°,Azm161.0000° $M_0$1.90000×10^{17}
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=5.7km az=156.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.84 $M_{\theta\theta}$-0.82 $M_{\phi\phi}$-0.03 $M_{r\theta}$0.61 $M_{\theta\phi}$-0.08 $M_{\phi r}$0.47 NP1:ϕ_s279.41000°,δ27.62000°,λ121.44000°. NP2:ϕ_s64.80000°,δ66.70000°
,λ74.73000°. Principal axes: T 1.1918,Plg65.0000°,Azm309.0000°; N -0.1218,Plg14.0000°
,Azm71.0000°; P -1.0700,Plg20.0000°,Azm166.0000° $M_0$1.14000×10^{17}
AEIC Event type se. Error ellipse: s-maj=7.9km s-min=5.4km az=166.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s135,c226; s146,c283;Duration: 1s3
Moment tensor: Scale 10^{17}Nm; M_{rr}1.33±.03 $M_{\theta\theta}$-1.29±.02; $M_{\phi\phi}$-0.04±.02; $M_{r\theta}$0.93±.05; $M_{\theta\phi}$-0.48±.02; $M_{\phi r}$0.59±.05; Best double couple: NP1:ϕ_s62.00000°,δ64.00000°,λ82.00000°. NP2:ϕ_s261.00000°,δ27.00000°,λ106.00000°. Principal axes: T 1.7300,Plg70.0000°
,Azm316.0000°; N 0.0850,Plg7.0000°,Azm66.0000°; P -1.8220,Plg19.0000°,Azm158.0000°
$M_0$1.77600×10^{17}
IDC Error ellipse: s-maj=11.9km s-min=7.4km az=163.0.
NEIC Event type se.
BGR Event type ke.

(7) Andreanof Islands

ISC	**V**	**09 09 01 58.2–.38**	**50.98N–.04**	**176.72W–.03**	**19–1**	**5.4b,5.2s**	**840**	**1-159**
BJI	V	09 09 01 53.8–.00	51.06N	176.58W	9	5.5s,5.4b		**¶610618945**
IDC	V	09 09 01 56.1–.54	51.14N	176.84W	0	5.1s,4.9		
NEIC	V	09 09 01 57	51.00N	176.72W	10	5.1s,4.9		
NEIC	V	09 09 01 57.9–1.6	50.93N–.05	176.81W–.06	19–1	5.5b,5.3		
NEIC	V	09 09 01 58.2	50.19N	176.74W	36	5.5b,5.3		
NEIC	V	09 09 01 58.2	50.99N	176.74W	36	5.5b,5.3		
AEIC	V	09 09 01 59.3–1.6	50.93N–.05	176.83W–.04	29–3	5.5b,5.3		
MOS	V	09 09 01 59.4–1.3	51.03N	176.73W	38	5.6b,5.1s		
GCMT	V	09 09 02 00.9–.20	51.00N–.01	176.79W–.02	15–0	5.4W,5.1s		

ISC Event type se.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.00 $M_{\theta\theta}$-0.92 $M_{\phi\phi}$-0.08 $M_{r\theta}$0.29 $M_{\theta\phi}$-0.38 $M_{\phi r}$0.41 NP1:ϕ_s263.16000°,δ35.71000°,λ113.39000°. NP2:ϕ_s55.12000°,δ57.61000°
,λ74.08000°. Principal axes: T 1.1497,Plg72.0000°,Azm285.0000°; N -0.0004,Plg13.0000°
,Azm64.0000°; P -1.1493,Plg11.0000°,Azm157.0000° $M_0$1.15000×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 2s3 Moment tensor: Scale 10^{17}Nm; M_{rr}0.65 $M_{\theta\theta}$-0.86 $M_{\phi\phi}$0.20 $M_{r\theta}$0.70 $M_{\theta\phi}$-0.11 $M_{\phi r}$0.31 NP1:ϕ_s69.50000°,δ68.48000°
,λ75.82000°. NP2:ϕ_s284.06000°,δ25.59000°,λ121.85000°. Principal axes:
T 1.0067,Plg64.0000°,Azm316.0000°; N 0.1585,Plg13.0000°,Azm75.0000°
; P -1.1652,Plg22.0000°,Azm170.0000° $M_0$1.09000×10^{17}
NEIC Event type se.
AEIC Event type se. hypocenter. manual.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s104,c144; s139,c260;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; Mrr1.10±.04 Mθθ-1.11±.03; Mφφ0.01±.02; Mrθ0.88±.06; Mθφ-0.38±.02; Mφr0.42±.05; Best double couple: NP1:φs67.00000°,δ65.00000°,λ85.00000°. NP2:φs260.00000°,δ26.00000°,λ101.00000°. Principal axes: T 1.4590,Plg70.0000° ,Azm326.0000°; N 0.1190,Plg5.0000°,Azm69.0000°; P -1.5750,Plg20.0000°,Azm161.0000° M0 1.51700×10^{17}

(173) Tonga Islands

ISC V 09 15 25 36.1–.29 20.51S–.05 173.42W–.06 10 5.1b,5.0s 531 4-171
BJI V 09 15 25 34.8–.00 20.28S 173.30W 5 5.7b,5.3s ¶610619074
IDC V 09 15 25 35.3–.52 20.53S 173.74W 0 4.8,4.8b
NEIC V 09 15 25 35.7–2.6 20.40S–.09 173.26W–.07 10–1 5.1b,4.8b
MOS V 09 15 25 39.6–2.3 20.35S 174.48W 10 5.1b,4.8b
ISC Event type se.
IDC Error ellipse: s-maj=18.5km s-min=13.9km az=143.0.
NEIC Event type se. Error ellipse: s-maj=15.9km s-min=11.8km az=178.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=12.8km s-min=11.2km az=19.5.

(197) Near north coast of Irian Jaya

ISC V 09 15 40 14.5–.98 1.8S–.10 139.10E–.06 10 3.9b 26 0-79
NEIC V 09 15 40 12.5–2.2 1.7S–.10 139.35E–.09 10–2 4.0b ¶610689901
IDC V 09 15 40 13.2–1.0 1.81S 139.18E 0 3.9L,3.8
DJA V 09 15 40 14.3–.80 2S–9.0 139E–4.0 10 6.2b,5.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(7) Andreanof Islands

ISC V 10 07 59 57.9–.34 51.67N–.03 178.47W–.02 16–1 5.6s,5.5b 1737 0-160
AEIC V 10 07 59 54.7–2.0 51.58N–.07 178.42W–.05 2–2 5.6s,5.5b ¶610619328
MOS V 10 07 59 55.1–1.3 51.75N 178.43W 10 5.5b,5.5s
BJI V 10 07 59 56.3–.00 52.14N 178.97W 10 5.7s,5.6
IDC V 10 07 59 57.4–1.2 51.87N 178.54W 15–6 5.4s,5.4L
NEIC V 10 07 59 57.5 51.50N 178.46W 12 5.4s,5.3L
NEIC V 10 07 59 57.5–2.2 51.76N–.08 178.48W–.06 11–1 5.8L,5.8
NEIC V 10 07 59 57.5 51.70N 178.46W 12 5.8L,5.8
NEIC V 10 07 59 57.3 51.70N 178.46W 10 5.8L,5.8
GCMT V 10 08 00 00.4–.10 51.76N 178.35W 12 5.8W,5.8
BGR V 10 08 00 02.3 51.37N 177.65W 33 5.4s,5.0b
ISC Event type ke.
AEIC Event type se. Error ellipse: s-maj=10.5km s-min=3.9km az=162.0. hypocenter. manual.
MOS Error ellipse: s-maj=6.4km s-min=4.6km az=98.9.
IDC Error ellipse: s-maj=10.2km s-min=6.8km az=167.0.
NEIC Event type se. Moment Tensor Solution.Duration: 4s4 Moment tensor: Scale 10^{17}Nm; Mrr-5.49 Mθθ1.44 Mφφ4.05 Mrθ2.36 Mθφ-3.89 Mφr0.09 NP1:φs304.58000°,δ54.60000° ,λ-116.08000°. NP2:φs164.77000°,δ42.93000°,λ-58.27000°. Principal axes: T 6.9883,Plg6.0000°,Azm53.0000°; N -0.6016,Plg21.0000°,Azm320.0000° ; P -6.3867,Plg68.0000°,Azm158.0000° M0 6.69000×10^{17}
NEIC Event type se. Error ellipse: s-maj=14.0km s-min=5.7km az=165.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; Mrr-2.30 Mθθ0.01 Mφφ2.29 Mrθ1.40 Mθφ-3.12 Mφr0.62 NP1:φs290.63000°,δ61.43000°,λ-141.76000°. NP2:φs179.98000°,δ57.07000° ,λ-34.73000°. Principal axes: T 4.4868,Plg3.0000°,Azm54.0000°; N -0.7408,Plg44.0000° ,Azm322.0000°; P -3.7460,Plg46.0000°,Azm147.0000° M0 4.17000×10^{17}
NEIC Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s129,c285; s156,c491; Duration: 2s0 Moment tensor: Scale 10^{17}Nm; Mrr-4.79±.04 Mθθ0.88±.04; Mφφ3.92±.04; Mrθ1.69±.12; Mθφ-4.42±.04; Mφr1.02±.11; Best double couple: NP1:φs299.00000°,δ52.00000° ,λ-127.00000°. NP2:φs170.00000°,δ51.00000°,λ-52.00000°. Principal axes: T 7.0750,Plg1.0000°,Azm54.0000°; N -1.1990,Plg29.0000°,Azm324.0000° ; P -5.8700,Plg61.0000°,Azm146.0000° M0 6.47200×10^{17}
BGR Event type ke.

(719) Tajikistan-Xinjiang border region

ISC V 10 21 58 21.8–.30 37.60N–.02 75.23E–.02 10–1 5.3b,5.1s 1748 3-153
BGR V 10 21 58 13.8 36.13N 76.53E 33 5.4b,5.0s ¶610623477
BJI V 10 21 58 19.7–.00 37.60N 75.30E 8 5.6b,5.5L
IDC V 10 21 58 19.6–.35 37.49N 75.34E 0 5.1,5.1b
NEIC V 10 21 58 21.7–1.9 37.64N–.06 75.31E–.07 8–3 5.4,5.4
GCMT V 10 21 58 21.6–.10 37.73N–.01 75.40E–.01 12 5.5W,5.4
MOS V 10 21 58 21.2–1.1 37.51N 75.37E 20 5.5b,5.1s
NEIC V 10 21 58 22.4 37.63N 75.30E 11 5.5b,5.1s
NEIC V 10 21 58 22.4 37.53N 75.43E 12 5.5b,5.1s
NEIC V 10 21 58 22.4 37.63N 75.30E 12 5.5b,5.1s
SOME V 10 21 58 23.8 37.78N 75.57E 10 5.5b,5.1s
NNC V 10 21 58 25.4–1.4 37.79N 75.40E 0 5.7b,5.4
ISC Event type ke.
BGR Event type ke.
IDC Error ellipse: s-maj=9.4km s-min=8.1km az=175.0.
NEIC Event type se. Error ellipse: s-maj=8.8km s-min=8.0km az=126.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; Mrr-1.17 Mθθ0.07 Mφφ1.10 Mrθ0.60 Mθφ-0.48 Mφr-0.44 NP1:φs322.55000°,δ60.71000°,λ-107.16000°. NP2:φs174.80000°,δ33.56000° ,λ-62.26000°. Principal axes: T 1.4429,Plg14.0000°,Azm65.0000°; N -0.0113,Plg15.0000° ,Azm331.0000°; P -1.4316,Plg69.0000°,Azm196.0000° M0 1.44000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s122,c205; s142,c297;Duration: 1s3 Moment tensor: Scale 10^{17}Nm; Mrr-1.49±.02 Mθθ-0.17±.03; Mφφ1.65±.02; Mrθ1.06±.06; Mθφ-0.79±.02; Mφr-0.55±.05; Best double couple: NP1:φs316.00000°,δ64.00000° ,λ-117.00000°. NP2:φs184.00000°,δ37.00000°,λ-48.00000°. Principal axes: T 2.1710,Plg14.0000°,Azm65.0000°; N -0.0960,Plg24.0000°,Azm328.0000° ; P -2.0810,Plg62.0000°,Azm183.0000° M0 2.12600×10^{17}
MOS Error ellipse: s-maj=4.1km s-min=2.6km az=107.0.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2s5 Moment tensor: Scale 10^{17}Nm; Mrr-1.59 Mθθ0.23 Mφφ1.37 Mrθ0.47 Mθφ-0.39 Mφr-0.77 NP1:φs335.83000°,δ60.11000° ,λ-96.51000°. NP2:φs168.73000°,δ30.52000°,λ-78.84000°. Principal axes: T 1.7206,Plg15.0000°,Azm71.0000°; N 0.1263,Plg6.0000°,Azm339.0000° ; P -1.8469,Plg74.0000°,Azm229.0000° M0 1.78000×10^{17}
NEIC Event type se.
NNC Event type se. Error ellipse: s-maj=11.3km s-min=8.2km az=164.0.

(153) South Sandwich Islands region

ISC V 10 23 23 37.8–.41 56.47S–.03 25.88W–.03 23–2 6.4s,6.2b 1739 6-176
BJI V 10 23 23 34.5–.00 56.30S 26.05W 10 6.5s,6.4 ¶614818708
MOS V 10 23 23 35.2–1.0 56.49S 26.12W 10 6.4b,6.3s
IDC V 10 23 23 35.9–1.2 56.36S 25.74W 10–6 6.3s,5.7
NEIC V 10 23 23 36.8–1.8 56.41S–.07 25.7W–.10 15–1 6.5,6.5
NEIC V 10 23 23 36.1 56.10S 25.58W 24 6.5,6.5
NEIC V 10 23 23 36.1 56.40S 25.76W 24 6.5,6.5
NEIC V 10 23 23 37.3 56.43S 25.78W 17 6.5,6.5
GCMT V 10 23 23 43.8–.00 56.43S 25.51W 19–0 6.5W,6.5
NEIC V 10 23 23 49.6 56.39S 25.58W 29 6.5W,6.5
ISC Event type se.
MOS Error ellipse: s-maj=15.7km s-min=8.4km az=107.2.
IDC Error ellipse: s-maj=12.6km s-min=9.9km az=47.0.
NEIC Event type se. Error ellipse: s-maj=13.3km s-min=9.9km az=141.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution.Duration: 8s3 Moment tensor: Scale 10^{18}Nm; Mrr5.53 Mθθ-0.57 Mφφ-4.96 Mrθ-2.02 Mθφ1.74 Mφr3.23 NP1:φs333.65000°,δ62.25000° ,λ83.30000°. NP2:φs167.82000°,δ28.48000°,λ102.51000°. Principal axes: T 6.7527,Plg72.0000°,Azm228.0000°; N -0.0517,Plg6.0000°,Azm337.0000° ; P -6.7010,Plg17.0000°,Azm69.0000° M0 6.73000×10^{18}
NEIC Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=125s. Triangular moment-rate function. Moment Tensor Solution. s172,c433; s169,c756; Duration: 4s1 Moment tensor: Scale 10^{18}Nm; Mrr4.84±.02 Mθθ-0.45±.02; Mφφ-4.39±.02; Mrθ-1.44±.04; Mθφ1.83±.01; Mφr3.03±.05; Best double couple: NP1:φs336.00000°,δ62.00000° ,λ88.00000°. NP2:φs161.00000°,δ28.00000°,λ94.00000°. Principal axes: T 5.8700,Plg73.0000°,Azm241.0000°; N 0.2650,Plg2.0000°,Azm337.0000° ; P -6.1300,Plg17.0000°,Azm68.0000° M0 6.00000×10^{18}
NEIC Event type se. Moment Tensor Solution.Duration: 9s4 Moment tensor: Scale 10^{18}Nm; Mrr6.11 Mθθ-1.01 Mφφ-5.09 Mrθ0.29 Mθφ1.71 Mφr-1.86 NP1:φs163.15000°,δ53.74000° ,λ93.61000°. NP2:φs337.07000°,δ36.42000°,λ85.10000°. Principal axes: T 6.4074,Plg81.0000°,Azm89.0000°; N -0.4088,Plg3.0000°,Azm341.0000° ; P -5.9986,Plg9.0000°,Azm251.0000° M0 6.20000×10^{18}

(153) South Sandwich Islands region

ISC V 11 01 09 45.6–.21 56.45S–.05 25.71W–.05 29 5.6b,5.4s 557 7-173
IDC V 11 01 09 41.7–.34 56.32S 25.62W 0 5.3s,5.3b ¶610623480
NEIC V 11 01 09 42.9 56.50S 25.61W 20 5.3s,5.3b
NEIC V 11 01 09 42.9 56.40S 25.79W 20 5.3s,5.3b
MOS V 11 01 09 43.0–1.9 56.30S 25.70W 10 5.7b,5.1s
NEIC V 11 01 09 43.1–1.6 56.40S–.09 25.8W–.20 10–1 5.7b,5.6
GCMT V 11 01 09 53.0–.20 56.43S–.02 25.49W–.02 24–0 5.7W,5.6
ISC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 3s4 Moment tensor: Scale 10^{17}Nm; Mrr3.18 Mθθ-1.03 Mφφ-2.14 Mrθ-0.16 Mθφ1.65 Mφr1.29 NP1:φs334.74000°,δ55.57000° ,λ102.26000°. NP2:φs133.72000°,δ36.29000°,λ72.79000°. Principal axes: T 3.4870,Plg76.0000°,Azm283.0000°; N 0.0420,Plg10.0000°,Azm148.0000° ; P -3.5290,Plg10.0000°,Azm56.0000° M0 3.51000×10^{17}
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s75,c95; s147,c265;Duration: 1s8 Moment tensor: Scale 10^{17}Nm; Mrr5.04±.18 Mθθ-1.80±.10; Mφφ-3.25±.10; Mrθ-0.52±.16; Mθφ1.73±.04; Mφr0.72±.14; Best double couple: NP1:φs326.00000°,δ50.00000°,λ90.00000°. NP2:φs147.00000°,δ40.00000°,λ90.00000°. Principal axes: T 5.1220,Plg85.0000° ,Azm233.0000°; N -0.6490,Plg0.0000°,Azm326.0000°; P -4.4830,Plg5.0000°,Azm56.0000° M0 4.80200×10^{17}

(13) Kodiak Island region

ISC V 11 14 36 32.0–.29 56.81N–.04 152.71W–.03 21–2 5.4b,5.0s 1264 1-165
IDC V 11 14 36 29.5–.37 56.90N 152.90W 0 5.0,5.0b ¶610630596
BJI V 11 14 36 30.7–.00 56.84N 153.27W 22 5.5,5.5s
AEIC V 11 14 36 31.7–2.6 56.79N–.06 152.6W–.10 30–4 5.5,5.5s
NEIC V 11 14 36 31.2 56.87N 152.62W 19 5.5,5.5s
MOS V 11 14 36 31.8–1.0 57.00N 152.84W 25 5.6b,4.9s
NEIC V 11 14 36 31.3–2.0 56.88N–.06 152.6W–.10 19–1 5.4b,5.4L
NEIC V 11 14 36 31.2 56.97N 152.62W 20 5.4b,5.4L
NEIC V 11 14 36 31.7 56.79N 152.60W 30 5.4b,5.4L
NEIC V 11 14 36 31.7 56.79N 152.60W 30 5.4b,5.4L
GCMT V 11 14 36 34.2–.20 56.71N–.02 152.51W–.02 24 5.4W,5.4L
BGR V 11 14 36 40.3 57.67N 153.55W 33 5.5b,4.8s
ISC Event type ke.
IDC Error ellipse: s-maj=8.8km s-min=7.8km az=10.0.
AEIC Event type se. Error ellipse: s-maj=9.4km s-min=7.9km az=167.0. hypocenter. manual.
NEIC Event type se.
MOS Error ellipse: s-maj=9.6km s-min=4.0km az=94.9.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=9.0km az=143.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; Mrr0.66 Mθθ-0.54 Mφφ-0.12 Mrθ0.95 Mθφ-0.45 Mφr0.31 NP1:φs220.84000°,δ20.19000°,λ62.26000°. NP2:φs70.10000°,δ72.22000° ,λ99.71000°. Principal axes: T 1.1890,Plg62.0000°,Azm355.0000°; N 0.1205,Plg9.0000° ,Azm247.0000°; P -1.3096,Plg27.0000°,Azm152.0000° M0 1.25000×10^{17} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; Mrr0.25 Mθθ0.23 Mφφ-0.48 Mrθ8.24 Mθφ-2.48 Mφr5.00 NP1:φs60.87000°,δ86.70000°,λ99.26000°. NP2:φs170.30000°,δ9.83000°,λ19.70000°. Principal axes: T 8.8950,Plg48.0000°,Azm341.0000°; N 1.8637,Plg9.0000°,Azm240.0000° ; P -10.7587,Plg41.0000°,Azm142.0000° M0 9.96000×10^{16}
NEIC Event type se. Moment Tensor Solution.Duration: 2s4 Moment tensor: Scale 10^{17}Nm; Mrr0.38 Mθθ-0.23 Mφφ-0.15 Mrθ0.88 Mθφ-0.25 Mφr0.60 NP1:φs55.70000°,δ79.53000° ,λ92.70000°. NP2:φs221.17000°,δ10.81000°,λ75.72000°. Principal axes: T 1.1087,Plg55.0000°,Azm329.0000°; N 0.0651,Plg3.0000°,Azm235.0000° ; P -1.1737,Plg34.0000°,Azm143.0000° M0 1.14000×10^{17}
NEIC Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s90,c138; s95,c123;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; Mrr0.69±.03 Mθθ-0.52±.02; Mφφ-0.16±.02; Mrθ1.37±.04; Mθφ-0.41±.02; Mφr0.47±.04; Best double couple: NP1:φs70.00000°,δ77.00000°,λ97.00000°. NP2:φs221.00000°,δ15.00000°,λ62.00000°. Principal axes: T 1.6000,Plg58.0000° ,Azm349.0000°; N 0.0590,Plg7.0000°,Azm248.0000°; P -1.6580,Plg31.0000°,Azm154.0000° M0 1.62900×10^{17}
BGR Event type ke.

(153) South Sandwich Islands region

ISC V 11 15 41 14.3–1.0 56.63S–.05 25.94W–.05 28–6 5.6b,5.4s 779 6-176
IDC V 11 15 41 10.1–.30 56.52S 25.63W 0 5.2s,5.2 ¶610630602
MOS V 11 15 41 10.5–.72 56.52S 25.84W 15 5.8b,5.1s
NEIC V 11 15 41 11.6–1.5 56.59S–.07 25.8W–.10 13–1 5.7,5.6b
BJI V 11 15 41 11.2–.00 56.59S 26.07W 20 5.6s,5.3
NEIC V 11 15 41 13 56.56S 25.87W 21 5.6s,5.3
NEIC V 11 15 41 14 56.89S 25.43W 16 5.6s,5.3
NEIC V 11 15 41 14 56.59S 25.98W 16 5.6s,5.3
GCMT V 11 15 41 19.6–.10 56.57S–.01 25.26W–.01 19–0 5.7W,5.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; Mrr1.00 Mθθ-0.33 Mφφ-0.67 Mrθ-0.86 Mθφ-0.42 Mφr1.62 NP1:φs215.89000°,δ18.14000°,λ141.93000°. NP2:φs342.55000° ,δ78.93000°,λ75.54000°. Principal axes: T 2.3260,Plg54.0000°,Azm235.0000° ; N -0.6665,Plg14.0000°,Azm345.0000°; P -1.6595,Plg32.0000°,Azm85.0000° M0 2.07000×10^{17}
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 3s9 Moment tensor: Scale 10^{17}Nm; Mrr3.80 Mθθ0.26 Mφφ-4.07 Mrθ-0.88 Mθφ1.23 Mφr2.17 NP1:φs341.02000°,δ59.90000° ,λ85.41000°. NP2:φs170.11000°,δ30.41000°,λ97.85000°. Principal axes: T 4.4346,Plg75.0000°,Azm239.0000°; N 0.5698,Plg4.0000°,Azm343.0000° ; P -5.0044,Plg15.0000°,Azm74.0000° M0 4.72000×10^{17}
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s146,c271; s158,c297;Duration: 1s7 Moment tensor: Scale 10^{17}Nm; Mrr3.25±.04 Mθθ-0.32±.03; Mφφ-2.94±.03; Mrθ-0.67±.08; Mθφ1.41±.03; Mφr1.92±.07; Best double couple: NP1:φs339.00000°,δ60.00000°,λ92.00000°. NP2:φs154.00000°,δ30.00000°,λ86.00000°. Principal axes: T 3.8150,Plg74.0000° ,Azm255.0000°; N 0.2920,Plg2.0000°,Azm158.0000°; P -4.1130,Plg15.0000°,Azm67.0000° M0 3.96400×10^{17}

(153) South Sandwich Islands region

ISC V 11 16 05 33.4–.26 56.70S–.05 25.98W–.06 33 5.3b 435 6-163
IDC V 11 16 05 28.4–.40 56.51S 25.57W 0 5.0,5.0b ¶610630607
BJI V 11 16 05 28.3–.00 56.56S 25.67W 10 5.5s,5.4
MOS V 11 16 05 28.9–.90 56.61S 25.93W 13 5.3b,5.4
NEIC V 11 16 05 30.1–1.6 56.66S–.09 25.9W–.20 10–1 5.4b,5.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(153) South Sandwich Islands region

ISC V 11 16 36 19.3–.45 56.46S–.08 25.46W–.10 29 5.0b,4.0s 211 7-163
IDC V 11 16 36 15.3–.69 56.39S 25.26W 0 4.6b,4.5 ¶610630610
BJI V 11 16 36 16.0–.00 56.50S 25.30W 10 5.5s,5.2
NEIC V 11 16 36 16.3–1.5 56.6S–.10 25.4W–.20 10–1 5.0b,5.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(177) Kermadec Islands region

ISC V 12 00 46 57.0–.28 27.77S–.03 176.68W–.04 47–2 5.8b,5.2s 1479 2-174
BJI V 12 00 46 49.1–.00 27.38S 176.30W 8 5.7b,5.5b ¶611600167
NEIC V 12 00 46 51.8 27.63S 176.43W 46 5.7b,5.5b
NEIC V 12 00 46 51.8 27.73S 176.54W 46 5.7b,5.5b
NOU V 12 00 46 52.4 28.08S 176.11W 41 5.5L,5.5b

MOS V 12 00 46 53.3–.88 27.62S 177.00W 24 6.0b,5.0s
IDC V 12 00 46 56.7–1.3 27.56S 177.03W 38–9 5.4,5.2b
NEIC V 12 00 46 56.7–3.0 27.68S–.05 176.59W–.08 40–1 5.8b,5.6
GCMT V 12 00 46 58.7–.10 27.69S–.01 176.78W–.01 46–0 5.6W,5.6
BGR V 12 00 46 59.9 27.63S 176.88W 33 5.0s,5.6
ISC Event type ke.
NEIC Event type se. Moment Tensor Solution.Duration: 3s3 Moment tensor: Scale 10^{17}Nm; Mrr3.08 Mθθ-3.00 Mφφ-0.07 Mrθ-0.42 Mθφ0.62 Mφr-1.44 NP1:φs260.47000°,δ50.35000°,λ60.48000°. NP2:φs122.06000°,δ47.93000°,λ120.74000°. Principal axes: T 3.6922,Plg68.0000°,Azm104.0000°; N -0.5588,Plg22.0000°,Azm280.0000°; P -3.1334,Plg1.0000°,Azm11.0000° M0 3.41000×10^{17}
NEIC Event type se.
NOU Kermadec Islands Region.
MOS Error ellipse: s-maj=8.6km s-min=7.7km az=117.2.
IDC Error ellipse: s-maj=11.7km s-min=11.0km az=53.0.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=8.7km az=92.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s155,c279; s152,c295;Duration: 1s6 Moment tensor: Scale 10^{17}Nm; Mrr2.88±.04 Mθθ-3.08±.03; Mφφ0.20±.03; Mrθ-0.23±.04; Mθφ1.04±.03; Mφr-1.84±.03; Best double couple: NP1:φs132.00000°,δ54.00000°,λ126.00000°. NP2:φs261.00000°,δ49.00000°,λ51.00000°. Principal axes: T 3.8850,Plg61.0000°,Azm102.0000°; N -0.4820,Plg28.0000°,Azm289.0000°; P -3.3970,Plg3.0000°,Azm198.0000° M0 3.64100×10^{17}
BGR Event type ke.

(73) El Salvador
ISC V 12 10 41 25.0–.34 12.93N–.02 90.06W–.02 13–1 6.1s,5.8b 3146 1-164
IDC V 12 10 41 22.1–.29 13.01N 89.96W 0 6.0s,5.5 **¶611833873**
MOS V 12 10 41 23.9–1.0 12.92N 90.04W 16 6.1s,6.0b
BJI V 12 10 41 23.7–.00 12.94N 90.07W 10 6.4s,6.3
SNET V 12 10 41 25.5–.97 12.70N 90.17W 12 6.2L,6.3
NEIC V 12 10 41 26.7 12.92N 90.06W 16 6.2L,6.3
NEIC V 12 10 41 26.7–2.1 12.92N–.05 90.06W–.05 16–1 6.3,6.2
NEIC V 12 10 41 27.3 12.91N 90.05W 18 6.3,6.2
GCG V 12 10 41 27.4–.69 12.93N 90.00W 38 5.8,6.2
NEIC V 12 10 41 27.3 12.71N 90.25W 18 5.8,6.2
GCMT V 12 10 41 28.7–.00 12.69N 90.38W 18–0 6.2W,6.2
INET V 12 10 41 28.6–1.5 12.75N 90.07W 15–9 6.0W,6.2
UPA V 12 10 41 29.3–2.4 13.14N 90.00W 10–971 6.0W,6.2
NEIC V 12 10 41 49.9 12.62N 89.97W 28 6.0W,6.2
ISC Event type se.
IDC Error ellipse: s-maj=12.0km s-min=6.6km az=48.0.
MOS Error ellipse: s-maj=6.8km s-min=4.3km az=95.3.
SNET Error ellipse: s-maj=7.5km s-min=7.0km az=-1.0.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=7.0km az=225.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se.
GCG Error ellipse: s-maj=274.3km s-min=200.2km az=-1.0.
NEIC Event type se. Moment Tensor Solution. Duration: 6s9 Moment tensor: Scale 10^{18}Nm; Mrr-2.57 Mθθ-0.31 Mφφ2.88 Mrθ0.81 Mθφ-0.44 Mφr0.45 NP1:φs190.16000°,δ51.50000°,λ-65.78000°. NP2:φs334.31000°,δ44.46000°,λ-117.28000°. Principal axes: T 2.9592,Plg4.0000°,Azm263.0000°; N -0.0755,Plg19.0000°,Azm355.0000°; P -2.8837,Plg71.0000°,Azm163.0000° M0 2.92000×10^{18}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s166,c384; s163,c648; Duration: 3s1 Moment tensor: Scale 10^{18}Nm; Mrr-2.22±.01 Mθθ-0.47±.01; Mφφ2.69±.01; Mrθ0.85±.03; Mθφ-0.35±.01; Mφr-0.04±.03; Best double couple: NP1:φs333.00000°,δ51.00000°,λ-119.00000°. NP2:φs195.00000°,δ48.00000°,λ-59.00000°. Principal axes: T 2.7310,Plg2.0000°,Azm83.0000°; N -0.1610,Plg22.0000°,Azm353.0000°; P -2.5670,Plg68.0000°,Azm177.0000° M0 2.64900×10^{18}
INET Error ellipse: s-maj=6.5km s-min=7.1km az=-1.0.
UPA Error ellipse: s-maj=422.4km s-min=852.6km az=-1.0.
NEIC Event type se. Moment Tensor Solution.Duration: 8s0 Moment tensor: Scale 10^{18}Nm; Mrr-2.91 Mθθ-0.39 Mφφ3.30 Mrθ-1.19 Mθφ-0.33 Mφr1.77 NP1:φs158.54000°,δ62.56000°,λ-107.03000°. NP2:φs12.15000°,δ31.94000°,λ-60.58000°. Principal axes: T 3.8636,Plg16.0000°,Azm261.0000°; N -0.1439,Plg15.0000°,Azm167.0000°; P -3.7197,Plg68.0000°,Azm35.0000° M0 3.79000×10^{18}

(76) Off coast of central America
ISC V 12 10 51 09.1–.22 12.95N–.04 90.11W–.03 29 5.8s,5.3b 1597 1-151
IDC V 12 10 51 04.2–.33 13.07N 89.88W 0 5.0,5.0b **¶610630851**
MOS V 12 10 51 04.7–1.0 12.97N 90.12W 10 5.4b,5.0b
NEIC V 12 10 51 07 12.94N 90.12W 18 5.4b,5.0b
NEIC V 12 10 51 07 12.84N 90.12W 18 5.4b,5.0b
SNET V 12 10 51 08.7–.59 12.77N 90.18W 14 5.3L,5.0b
NEIC V 12 10 51 08.1–1.6 12.97N–.05 90.13W–.06 17–1 5.4b,5.2
INET V 12 10 51 11.6–1.2 12.85N 90.06W 15–5 4.1W,5.2
BGR V 12 10 51 15.6 12.95N 90.01W 33 5.7b,5.2
GCG V 12 10 51 23.5–.57 13.79N 90.65W 49–28 4.6,5.2
ISC Event type ke.
IDC Error ellipse: s-maj=14.9km s-min=7.9km az=60.0.
MOS Error ellipse: s-maj=11.6km s-min=5.6km az=111.3.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 1s1.0 Moment tensor: Scale 10^{16}Nm; Mrr-5.81 Mθθ0.07 Mφφ5.74 Mrθ2.65 Mθφ-1.84 Mφr-2.56 NP1:φs328.60000°,δ60.76000°,λ-105.66000°. NP2:φs178.46000°,δ32.84000°,λ-64.25000°. Principal axes: T 7.1078,Plg14.0000°,Azm70.0000°; N -0.0288,Plg14.0000°,Azm336.0000°; P -7.0789,Plg70.0000°,Azm205.0000° M0 7.09000×10^{16}
SNET Error ellipse: s-maj=7.8km s-min=4.6km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=8.7km s-min=6.5km az=49.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
INET Error ellipse: s-maj=16.5km s-min=4.9km az=-1.0.
BGR Event type ke.
GCG Error ellipse: s-maj=28.4km s-min=9.9km az=-1.0.

(221) Kuril Islands
ISC V 13 02 24 40.4–1.0 43.97N–.07 149.62E–.08 38 4.4b,3.7s 60 2-87
SKHL V 13 02 24 40.9–.40 44.10N 149.60E 47–2 4.9b,3.7s **¶610667674**
JMA V 13 02 24 40.0–.67 44N–3.0 150E–4.0 30 4.3,3.7s
NIED V 13 02 24 40.0 44.41N 149.54E 30 4.0W,3.7s
MOS V 13 02 24 42.3–1.5 44.03N 149.39E 51 5.6b,3.7s
IDC V 13 02 24 48.0–1.0 45.86N 148.55E 0 3.8,3.8b
ISC Event type ke.
JMA Event type ke. SE OFF ETOROFU .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; Mrr1.34 Mθθ-0.65 Mφφ-0.69 Mrθ-0.06 Mθφ-0.44 Mφr0.50 NP1:φs30.00000°,δ54.00000°,λ75.00000°. NP2:φs234.00000°,δ39.00000°,λ110.00000°. M0 1.31000×10^{15}
MOS Error ellipse: s-maj=17.7km s-min=10.5km az=17.1.
IDC Error ellipse: s-maj=27.1km s-min=21.3km az=134.0.

(341) Iran-Turkmenistan border region
ISC V 13 18 01 02.0–.34 37.77N–.02 57.19E–.02 14–1 5.5s,5.5b 1551 1-153
BGR V 13 18 00 11.3 36.29N 64.74E 10 4.9b,5.5b **¶610638450**
NEIC V 13 18 00 59.5–2.3 37.77N–.06 57.21E–.05 8–1 5.6,5.6
BJI V 13 18 00 59.6–.00 37.70N 57.30E 5 5.9s,5.6
TEH V 13 18 00 59.3 37.65N 57.22E 8–24 5.7L,5.6
DSN V 13 18 00 60.0–1.2 37.77N 57.21E 10 5.4b,5.6
NEIC V 13 18 01 00.9 37.78N 57.20E 12 5.4b,5.6
THR V 13 18 01 00.0–.81 37.74N 57.20E 18–8 5.5L,5.6
NEIC V 13 18 01 00.9 38.08N 57.32E 12 5.5L,5.6
NEIC V 13 18 01 00.7 37.66N 57.17E 1 5.5L,5.6
MOS V 13 18 01 00.6–2.0 37.79N 57.27E 23 5.6b,5.2s
GCMT V 13 18 01 01.5–.10 37.61N–.01 57.22E–.01 12 5.7W,5.2s
IDC V 13 18 01 02.1–1.1 37.81N 57.12E 10–6 5.3s,5.0
NNC V 13 18 01 04.9–3.1 38.17N 57.49E 0 5.8b,5.0
ISC Event type ke.
BGR Event type ke.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=6.4km az=168.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; Mrr0.34 Mθθ0.35 Mφφ-0.69 Mrθ0.35 Mθφ2.73 Mφr0.84 NP1:φs96.46000°,δ72.10000°,λ7.57000°. NP2:φs4.12000°,δ82.80000°,λ161.95000°. Principal axes: T 2.8693,Plg18.0000°,Azm319.0000°; N 0.1317,Plg71.0000°,Azm163.0000°; P -3.0010,Plg7.0000°,Azm51.0000° M0 2.94000×10^{17}
TEH Error ellipse: s-maj=2.0km s-min=0.8km az=-1.0.
DSN Error ellipse: s-maj=18.4km s-min=9.8km az=51.0.
NEIC Event type se.
THR Error ellipse: s-maj=6.4km s-min=7.4km az=-1.0.
NEIC Event type se. Moment Tensor Solution.Duration: 3s9 Moment tensor: Scale 10^{17}Nm; Mrr-0.69 Mθθ0.30 Mφφ0.38 Mrθ0.25 Mθφ2.73 Mφr-0.61 NP1:φs1.09000°,δ80.40000°,λ-164.42000°. NP2:φs268.42000°,δ74.65000°,λ-9.96000°. Principal axes: T 3.0890,Plg4.0000°,Azm134.0000°; N -0.5123,Plg72.0000°,Azm32.0000°; P -2.5768,Plg18.0000°,Azm225.0000° M0 2.83000×10^{17}
NEIC Event type se.
MOS Event type fe. Error ellipse: s-maj=3.7km s-min=2.7km az=33.0. Felt (IV) at Ashkhabad. Moment Tensor Solution.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s140,c252; s155,c331;Duration: 1s7 Moment tensor: Scale 10^{17}Nm; Mrr-0.23±.03 Mθθ0.32±.04; Mφφ-0.09±.04; Mrθ0.24±.10; Mθφ3.94±.03; Mφr1.82±.09; Best double couple: NP1:φs2.00000°,δ90.00000°,λ155.00000°. NP2:φs92.00000°,δ65.00000°,λ0.00000°. Principal axes: T 4.5050,Plg17.0000°,Azm314.0000°; N -0.3150,Plg65.0000°,Azm182.0000°; P -4.1900,Plg17.0000°,Azm50.0000° M0 4.34800×10^{17}
IDC Error ellipse: s-maj=9.0km s-min=5.2km az=174.0.
NNC Event type se. Error ellipse: s-maj=37.2km s-min=21.7km az=52.0.

(274) Southern Sumatera
ISC V 14 15 06 57.9–1.1 2.47S–.05 100.79E–.06 35 3.6b 16 1-58
IDC V 14 15 06 56.1–5.6 1.02S 102.70E 0 3.5,3.5b **¶615346487**
DJA V 14 15 06 59.6–.50 2S–3.0 101E–3.0 26–4 6.0b,5.5
ISC Event type ke.

(238) Ryukyu Islands
ISC V 15 07 05 37.5–.38 27.26N–.02 130.11E–.02 23–2 5.6b,5.0s 1686 1-173
BJI V 15 07 05 33.2–.00 27.25N 130.18E 16 5.5s,5.4 **¶611833895**
IDC V 15 07 05 34.5–.27 27.30N 130.08E 0 5.2,5.2b
MOS V 15 07 05 35.6–1.1 27.32N 130.04E 19 5.8b,5.3s
NEIC V 15 07 05 36.1 27.21N 130.14E 18 5.8b,5.3s
NEIC V 15 07 05 36.1–1.9 27.23N–.05 130.04E–.07 10–1 5.6b,5.5
NEIC V 15 07 05 36.1 27.21N 130.14E 10 5.6b,5.5
NEIC V 15 07 05 36.1 27.11N 130.14E 18 5.6b,5.5
JMA V 15 07 05 37.1–.12 27.3N–.50 130.1E–.50 64–4 5.5W,5.4
NIED V 15 07 05 37.1 27.26N 130.08E 64 5.4W,5.4
GCMT V 15 07 05 39.1–.10 27.25N–.01 130.06E–.01 12 5.5W,5.4
BGR V 15 07 05 39.8 27.22N 130.01E 33 6.2,6.0b
ISC Event type ke.
IDC Error ellipse: s-maj=10.4km s-min=7.1km az=66.0.
MOS Error ellipse: s-maj=5.8km s-min=3.4km az=110.1.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=8.4km az=287.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; Mrr-0.83 Mθθ0.14 Mφφ0.69 Mrθ1.18 Mθφ0.75 Mφr0.23 NP1:φs5.84000°,δ32.48000°,λ-145.90000°. NP2:φs246.11000°,δ72.48000°,λ-62.20000°. Principal axes: T 1.5739,Plg23.0000°,Azm315.0000°; N 0.0670,Plg26.0000°,Azm57.0000°; P -1.6408,Plg54.0000°,Azm190.0000° M0 1.61000×10^{17}
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2s7 Moment tensor: Scale 10^{17}Nm; Mrr-1.52 Mθθ0.44 Mφφ1.07 Mrθ0.24 Mθφ1.36 Mφr-0.54 NP1:φs16.37000°,δ54.02000°,λ-120.77000°. NP2:φs241.75000°,δ45.95000°,λ-54.83000°. Principal axes: T 2.1712,Plg4.0000°,Azm128.0000°; N -0.3951,Plg24.0000°,Azm36.0000°; P -1.7761,Plg65.0000°,Azm227.0000° M0 1.97000×10^{17}
JMA Event type fe. NEAR AMAMI-OSHIMA ISLAND.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{17}Nm; Mrr-1.06 Mθθ0.41 Mφφ0.65 Mrθ1.17 Mθφ0.78 Mφr-0.32 NP1:φs254.00000°,δ67.00000°,λ-57.00000°. NP2:φs15.00000°,δ40.00000°,λ-142.00000°. M0 1.68000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s108,c188; s136,c266;Duration: 1s4 Moment tensor: Scale 10^{17}Nm; Mrr-1.43±.03 Mθθ0.27±.03; Mφφ1.16±.03; Mrθ1.35±.08; Mθφ1.39±.03; Mφr0.68±.08; Best double couple: NP1:φs238.00000°,δ67.00000°,λ-66.00000°. NP2:φs9.00000°,δ33.00000°,λ-134.00000°. Principal axes: T 2.6360,Plg19.0000°,Azm310.0000°; N -0.4600,Plg22.0000°,Azm48.0000°; P -2.1780,Plg60.0000°,Azm183.0000° M0 2.40700×10^{17}
BGR Event type ke.

(192) New Britain region
ISC V 15 13 22 42.1–.18 4.08S–.03 152.57E–.03 35 6.0s,5.7b 1139 8-167
NEIC V 15 13 22 38.7 4.02S 152.50E 10 6.0s,5.7b **¶611833893**
NEIC V 15 13 22 38.6 3.82S 152.69E 24 6.0s,5.7b
NEIC V 15 13 22 38.6 4.02S 152.49E 24 6.0s,5.7b
NEIC V 15 13 22 38.6–1.6 4.02S–.08 152.48E–.04 10–1 6.2,6.1
MOS V 15 13 22 39.1–1.1 4.02S 152.46E 24 5.8s,5.6b
DJA V 15 13 22 39.7–1.1 4S–2.0 153E–3.0 14–7 6.6,6.3b
BJI V 15 13 22 39.7–.00 4.00S 152.50E 20 6.1b,6.0s
IDC V 15 13 22 43.4–1.1 4.08S 152.52E 48–9 5.8s,5.0
GCMT V 15 13 22 44.6–.00 4.04S 152.53E 26–0 6.2W,5.0
KLM V 15 13 22 46 4.11S 152.55E 55 6.1b,5.0
BGR V 15 13 22 48.5 4.10S 152.44E 33 6.1s,5.0
ISC Event type ke.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 6s6 Moment tensor: Scale 10^{18}Nm; Mrr0.35 Mθθ2.48 Mφφ-2.83 Mrθ0.18 Mθφ0.17 Mφr-0.93 NP1:φs312.37000°,δ82.41000°,λ-14.02000°. NP2:φs44.26000°,δ76.10000°,λ-172.18000°. Principal axes: T 2.4995,Plg4.0000°,Azm359.0000°; N 0.5955,Plg74.0000°,Azm104.0000°; P -3.0950,Plg15.0000°,Azm268.0000° M0 2.80000×10^{18}
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.2km s-min=5.7km az=14.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; Mrr0.34 Mθθ1.44 Mφφ-1.78 Mrθ-0.42 Mθφ-0.36 Mφr-0.11 NP1:φs229.93000°,δ80.70000°,λ164.33000°. NP2:φs322.53000°,δ74.54000°,λ9.65000°. Principal axes: T 1.6113,Plg18.0000°,Azm186.0000°; N 0.2239,Plg72.0000°,Azm20.0000°; P -1.8352,Plg4.0000°,Azm277.0000° M0 1.73000×10^{18}
MOS Error ellipse: s-maj=7.9km s-min=5.1km az=109.1.
IDC Error ellipse: s-maj=11.1km s-min=7.6km az=77.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s167,c345; s170,c612; Duration: 3s2 Moment tensor: Scale 10^{18}Nm; Mrr0.47±.01 Mθθ2.44±.01; Mφφ-2.91±.01; Mrθ-0.58±.03; Mθφ-0.23±.01; Mφr-0.03±.03; Best double couple: NP1:φs226.00000°,δ80.00000°,λ169.00000°. NP2:φs318.00000°,δ79.00000°,λ10.00000°. Principal axes: T 2.6060,Plg15.0000°,Azm182.0000°; N 0.3200,Plg75.0000°,Azm6.0000°; P -2.9200,Plg1.0000°,Azm273.0000° M0 2.76300×10^{18}
BGR Event type ke.

(263) Talaud Islands
ISC V 15 17 41 14.6–.30 4.09N–.03 126.54E–.05 45 4.6b,3.5s 331 1-123
IDC V 15 17 41 08.1–.53 4.14N 126.46E 0 4.5L,4.3 **¶610639754**
MAN V 15 17 41 14.4 3.96N 126.37E 116 5.5b,4.8s
DJA V 15 17 41 15.1–.30 4N–3.0 127E–2.0 10 6.2,6.2
NEIC V 15 17 41 16.9–2.0 4.12N–.05 126.61E–.07 62–7 4.7b,6.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(153) South Sandwich Islands region
ISC V 15 21 12 23.8–.24 56.48S–.05 25.40W–.06 29 5.3b,5.3s 467 7-168
IDC V 15 21 12 19.8–.42 56.40S 25.29W 0 5.0s,4.9 **¶610639880**
BJI V 15 21 12 19.4–.00 55.86S 25.59W 10 5.5b,5.5s
NEIC V 15 21 12 20.8 55.68S 24.79W 14 5.5b,5.5s
MOS V 15 21 12 20.1–1.0 56.46S 25.54W 12 5.5b,5.1s
NEIC V 15 21 12 20.8 56.38S 25.33W 14 5.5b,5.1s
NEIC V 15 21 12 21.0–1.7 56.4S–.10 25.4W–.20 10–1 5.5b,5.3
GCMT V 15 21 12 29.0–.10 56.45S–.01 25.04W–.01 13–0 5.3W,5.3
ISC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2s2 Moment tensor: Scale 10^{17}Nm; Mrr0.70 Mθθ-0.11 Mφφ-0.59 Mrθ-0.52 Mθφ0.56 Mφr0.46 NP1:φs314.02000°,δ65.76000°,λ76.62000°. NP2:φs164.11000°,δ27.49000°,λ117.20000°. Principal axes:

T 0.9779,Plg67.0000°,Azm200.0000°; N 0.2176,Plg12.0000°,Azm320.0000° ; P -1.1955,Plg20.0000°,Azm54.0000° $M_0$1.09000×10^{17}
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s110,c180; s131,c227;Duration: 1^{s}1 Moment tensor: Scale 10^{17}Nm; M_{rr}0.80±.02 $M_{\theta\theta}$-0.07±.01; $M_{\phi\phi}$-0.72±.01; $M_{r\theta}$-0.25±.03; $M_{\theta\phi}$0.51±.01; $M_{\phi r}$0.90±.05; Best double couple: NP1:ϕ_s342.00000°,δ68.00000°,λ99.00000°. NP2:ϕ_s138.00000°,δ23.00000°,λ68.00000°. Principal axes: T 1.2160,Plg65.0000° ,Azm268.0000°; N 0.1730,Plg9.0000°,Azm158.0000°; P -1.3880,Plg23.0000°,Azm65.0000° $M_0$1.30200×10^{17}

(244) Taiwan

ISC V 15 23 12 54.0–.28 23.25N–.01 121.52E–.02 23–1 5.3b,5.0s 1639 0-177
MOS V 15 23 12 49.9–.90 23.23N 121.46E 9 5.5b,4.9s **¶611833891**
NEIC V 15 23 12 52.4 23.23N 121.48E 10 5.5b,4.9s
NEIC V 15 23 12 53.8 23.27N 121.44E 24 5.5b,4.9s
JMA V 15 23 12 53.2–.30 23.3N–.80 122E–2.0 9–3 5.3,5.2
NEIC V 15 23 12 53.5–2.0 23.26N–.05 121.45E–.05 16–3 5.4b,5.3
NIED V 15 23 12 53.2 23.31N 121.56E 9 5.3W,5.3
NEIC V 15 23 12 53.8 23.07N 121.55E 24 5.3W,5.3
ASIES V 15 23 12 54.4 23.27N 121.43E 28 5.8L,5.3W
TAP V 15 23 12 54.5 23.28N 121.43E 25–0 5.8L,5.3W
BJI V 15 23 12 54.0–.00 23.35N 121.45E 10 5.6L,5.5
GCMT V 15 23 12 55.1–.10 23.24N–.01 121.42E–.01 28–0 5.4W,5.5
IDC V 15 23 12 56.2–1.5 23.25N 121.57E 47–14 4.8s,4.8
BGR V 15 23 12 58.9 23.23N 121.61E 32–1 5.0b,4.8
ISC Event type ke.
MOS Error ellipse: s-maj=5.8km s-min=3.6km az=115.7.
NEIC Event type se.
NEIC Event type se.
JMA Event type ke. TAIWAN REGION .
NEIC Event type se. Error ellipse: s-maj=7.9km s-min=7.1km az=154.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.68 $M_{\theta\theta}$-0.15 $M_{\phi\phi}$-0.52 $M_{r\theta}$-0.05 $M_{\theta\phi}$-0.44 $M_{\phi r}$0.67 NP1:ϕ_s236.33000°,δ31.76000°,λ131.99000°. NP2:ϕ_s9.70000°,δ66.97000° ,λ67.51000°. Principal axes: T 1.0203,Plg61.0000°,Azm245.0000°; N -0.0244,Plg21.0000° ,Azm19.0000°; P -0.9958,Plg19.0000°,Azm116.0000° $M_0$1.01000×10^{17}
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}7.39 $M_{\theta\theta}$1.73 $M_{\phi\phi}$-9.12 $M_{r\theta}$1.44 $M_{\theta\phi}$-3.08 $M_{\phi r}$0.09 NP1:ϕ_s29.00000°,δ48.00000°,λ110.00000°. NP2:ϕ_s180.00000° ,δ45.00000°,λ69.00000°. $M_0$8.86000×10^{16}
NEIC Event type se. Moment Tensor Solution.Duration: 2^{s}3 Moment tensor: Scale 10^{17}Nm; M_{rr}1.12 $M_{\theta\theta}$-0.09 $M_{\phi\phi}$-1.03 $M_{r\theta}$0.07 $M_{\theta\phi}$-0.51 $M_{\phi r}$0.42 NP1:ϕ_s18.14000°,δ54.89000° ,λ83.34000°. NP2:ϕ_s209.61000°,δ35.66000°,λ99.37000°. Principal axes: T 1.1978,Plg79.0000°,Azm263.0000°; N 0.1257,Plg5.0000°,Azm22.0000° ; P -1.3235,Plg10.0000°,Azm113.0000° $M_0$1.26000×10^{17}
ASIES Moment Tensor Solution. Moment tensor: Scale 10^{23}Nm; M_{rr}7.68 $M_{\theta\theta}$-1.25 $M_{\phi\phi}$-6.45 $M_{r\theta}$-4.00 $M_{\theta\phi}$-5.87 $M_{\phi r}$5.44 NP1:ϕ_s2.93000°,δ61.38000°,λ52.39000°. NP2:ϕ_s241.05000° ,δ45.94000°,λ138.20000°. Principal axes: T Plg56.1420°,Azm222.1590°; N Plg32.3920° ,Azm23.1750°; P Plg8.8030°,Azm118.8140° $M_0$11.45070×10^{23}
TAP C.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s138,c240; s136,c254;Duration: 1^{s}2 Moment tensor: Scale 10^{17}Nm; M_{rr}1.35±.02 $M_{\theta\theta}$-0.10±.02; $M_{\phi\phi}$-1.24±.02; $M_{r\theta}$-0.43±.03; $M_{\theta\phi}$-0.60±.01; $M_{\phi r}$0.39±.03; Best double couple: NP1:ϕ_s3.00000°,δ53.00000°,λ63.00000°. NP2:ϕ_s223.00000°,δ45.00000°,λ120.00000°. Principal axes: T 1.5740,Plg69.0000° ,Azm213.0000°; N -0.0550,Plg21.0000°,Azm20.0000°; P -1.5140,Plg4.0000°,Azm112.0000° $M_0$1.54400×10^{17}
IDC Error ellipse: s-maj=9.8km s-min=8.0km az=74.0.
BGR Event type ke.

(716) Kyrgyzstan

ISC V 16 09 07 15.1–.51 42.06N–.02 71.94E–.01 13–3 4.5b,3.8s 410 0-165
IDC V 16 09 07 15.1–3.1 42.06N 71.92E 16–20 4.2L,4.1 **¶611833908**
NNC V 16 09 07 15.4–1.1 42.10N 71.93E 0 5.9b,5.9
KRNET V 16 09 07 16.0–.10 42.09N 71.96E 15 5.7b,5.9
MOS V 16 09 07 15.9–1.8 42.21N 71.76E 19 4.6b,5.9
SOME V 16 09 07 15.4 42.12N 72.02E 5 4.1s,5.9
KNET V 16 09 07 17.6–.55 42.13N 72.13E 6–3 5.2L,5.9
BJI V 16 09 07 17.0–.00 42.20N 71.79E 41 5.0L,4.7b
NEIC V 16 09 07 18.0–1.9 42.18N–.06 71.82E–.07 35–1 4.5b,4.7b
ISC Event type se.
NNC Event type se.
MOS Event type fe. Felt (IV-V) at Arkit, Kel'; (III-IV) at Toktogul; (III) at Talas. Moment Tensor Solution.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(116) Central Peru

ISC V 16 17 09 05.3–.43 14.51S–.03 73.47W–.04 5–2 5.4b,4.7s 1084 4-174
NEIC V 16 17 09 06.0–1.8 14.53S–.06 73.41W–.07 10–1 5.4b,5.4 **¶610641627**
VAO V 16 17 09 06.9–.45 14.51S 73.43W 10 5.0b,5.4
NEIC V 16 17 09 07 14.46S 74.35W 12 5.0b,5.4
NEIC V 16 17 09 07 14.56S 73.42W 10 5.0b,5.4
GCMT V 16 17 09 08.9–.10 14.56S–.01 73.33W–.01 22–0 5.4W,5.4
MOS V 16 17 09 08.5–1.5 14.52S 73.57W 34 5.4b,4.7s
BGR V 16 17 09 10.1 14.45S 73.50W 19 5.5b,4.7s
IDC V 16 17 09 11.0–1.8 14.49S 73.42W 43–16 4.8,4.6s
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=13.0km s-min=8.7km az=237.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Error ellipse: s-maj=2.6km s-min=5.5km az=-1.0.
NEIC Event type se. Moment Tensor Solution.Duration: 2^{s}4 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.15 $M_{\theta\theta}$1.28 $M_{\phi\phi}$-1.13 $M_{r\theta}$0.90 $M_{\theta\phi}$0.01 $M_{\phi r}$-0.76 NP1:ϕ_s312.14000°,δ87.16000° ,λ-44.70000°. NP2:ϕ_s44.95000°,δ45.37000°,λ-176.00000°. Principal axes: T 1.7518,Plg27.0000°,Azm8.0000°; N -0.1279,Plg45.0000°,Azm129.0000° ; P -1.6239,Plg32.0000°,Azm259.0000° $M_0$1.69000×10^{17}
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s118,c179; s121,c208;Duration: 1^{s}2 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.00±.03 $M_{\theta\theta}$1.66±.02; $M_{\phi\phi}$-0.66±.03; $M_{r\theta}$-0.12±.04; $M_{\theta\phi}$-0.37±.02; $M_{\phi r}$-0.50±.05; Best double couple: NP1:ϕ_s68.00000°,δ57.00000°,λ-137.00000°. NP2:ϕ_s310.00000°,δ55.00000°,λ-42.00000°. Principal axes: T 1.7180,Plg1.0000° ,Azm189.0000°; N -0.3240,Plg37.0000°,Azm98.0000°; P -1.3940,Plg53.0000° ,Azm280.0000° $M_0$1.55600×10^{17}
MOS Error ellipse: s-maj=12.5km s-min=5.6km az=111.6.
BGR Event type ke.
IDC Error ellipse: s-maj=18.6km s-min=11.4km az=61.0.

(369) Dodecanese Islands

ISC V 17 11 30 34.0–.22 35.98N–.02 27.54E–.02 21–2 5.3b,4.2s 1687 1-152
BGR V 17 11 30 01.4 32.88N 28.72E 33 4.9b,4.2s **¶611833916**
MOS V 17 11 30 30.9–1.1 35.96N 27.52E 10 5.6b,4.3s
ATH V 17 11 30 32.4 36.03N 27.49E 22–1 5.1L,4.3s
ISK V 17 11 30 32.4 36.06N 27.45E 8–0 5.2L,4.3s
DDA V 17 11 30 32.8–.00 36.06N 27.44E 26–1 4.9W,4.3s
MED_R V 17 11 30 32.0–.20 35.90N 27.48E 10 5.0W,4.3s
NEIC V 17 11 30 33.5 35.97N 27.52E 13 5.0W,4.3s
PDG V 17 11 30 33.0–.67 36.01N 27.47E 11–1 4.9L,4.3s
THE V 17 11 30 33.3 36.00N 27.53E 3–1 5.0L,4.3s
NEIC V 17 11 30 33.3–1.8 35.98N–.05 27.51E–.05 13–4 5.4b,4.9
GCMT V 17 11 30 34.3–.20 35.96N–.02 27.46E–.01 17–0 5.0W,4.9
IDC V 17 11 30 35.1–1.4 36.14N 27.42E 26–8 5.2,5.1b
GII V 17 11 30 36.4–.26 35.79N 27.71E 40 5.0,5.0
HLW V 17 11 30 37.8 35.74N 27.61E 16–17 5.1L,4.9
ISC Event type ke.
BGR Event type ke.
MOS Error ellipse: s-maj=4.5km s-min=2.7km az=87.2.
ATH Event type ke. Error ellipse: s-maj=1.4km s-min=0.8km az=100.0. ML Amplitudes are expressed in micrometers.
ISK Event type ke.
MED_R Error ellipse: s-maj=2.2km s-min=4.4km az=-1.0. nsta1 refers to body waves. nsta2 refers to surface waves, cutoff=40s. Mantle waves: s16,c25;Duration: 1^{s}2 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.42±.17 $M_{\theta\theta}$-0.93±.16; $M_{\phi\phi}$3.35±.09; $M_{r\theta}$1.50±.95; $M_{\theta\phi}$0.28±.14; $M_{\phi r}$-1.59±.35; Best double couple: NP1:ϕ_s337.00000°,δ65.00000°,λ-121.00000°. NP2:ϕ_s211.00000°,δ39.00000°,λ-42.00000°. Principal axes: T 3.7600,Plg15.0000° ,Azm89.0000°; N -0.0900,Plg28.0000°,Azm351.0000°; P -3.6700,Plg58.0000° ,Azm204.0000° $M_0$3.72000×10^{16}
NEIC Event type se.
PDG Event type ke. Error ellipse: s-maj=1.0km s-min=0.9km az=90.0.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.6km az=25.0.
NEIC Event type se. Error ellipse: s-maj=8.6km s-min=4.6km az=207.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-0.41 $M_{\theta\theta}$-2.09 $M_{\phi\phi}$2.49 $M_{r\theta}$1.05 $M_{\theta\phi}$0.82 $M_{\phi r}$-0.06 NP1:ϕ_s232.25000°,δ74.80000°,λ-19.56000°. NP2:ϕ_s327.57000°,δ71.15000° ,λ-163.92000°. Principal axes: T 2.6405,Plg2.0000°,Azm280.0000°; N 0.0634,Plg65.0000° ,Azm16.0000°; P -2.7040,Plg24.0000°,Azm189.0000° $M_0$2.67000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s50,c60; s113,c190;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-4.05±.17 $M_{\theta\theta}$-0.38±.11; $M_{\phi\phi}$4.43±.12; $M_{r\theta}$0.40±.37; $M_{\theta\phi}$0.20±.08; $M_{\phi r}$-0.16±.24; Best double couple: NP1:ϕ_s356.00000°,δ46.00000°,λ-99.00000°. NP2:ϕ_s189.00000°,δ44.00000°,λ-81.00000°. Principal axes: T 4.4410,Plg1.0000° ,Azm92.0000°; N -0.3460,Plg6.0000°,Azm2.0000°; P -4.0970,Plg84.0000°,Azm191.0000° $M_0$4.26900×10^{16}
IDC Error ellipse: s-maj=9.4km s-min=7.5km az=157.0.
GII Event type ke.

(192) New Britain region

ISC V 17 22 22 38.4–.43 6.57S–.05 148.81E–.06 35 4.5b,3.4s 87 3-152
IDC V 17 22 22 32.7–.70 6.44S 148.85E 0 4.1,4.1b **¶610641937**
NEIC V 17 22 22 38.4–1.4 6.49S–.09 148.8E–.10 34–5 4.6b,4.1b
DJA V 17 22 22 44.5–2.0 7S–9.0 149E–13 66–15 5.5b,5.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(9) Fox Islands

ISC V 19 01 21 40.7–.37 51.89N–.04 170.51W–.03 16–1 5.2b,4.7s 1148 1-158
BJI V 19 01 21 36.9–.00 52.11N 170.71W 5 5.2b,5.2b **¶610643017**
NEIC V 19 01 21 40 51.92N 170.48W 30 5.2b,5.2b
NEIC V 19 01 21 40 51.32N 170.64W 30 5.2b,5.2b
AEIC V 19 01 21 40.7–2.4 51.84N–.05 170.38W–.09 9–3 5.2b,5.2b
MOS V 19 01 21 41.6–.96 52.03N 170.55W 29 5.5b,4.6s
NEIC V 19 01 21 42.2–1.7 52.00N–.09 170.49W–.07 22–3 5.2,5.2b
IDC V 19 01 21 42.1–2.2 52.03N 170.54W 21–13 4.8,4.6b
GCMT V 19 01 21 45.1–.20 51.89N–.01 170.44W–.02 16–0 5.2W,4.6b
BGR V 19 01 21 55.3 54.12N 172.17W 33 4.8b,4.6b
ISC Event type ke.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2^{s}0 Moment tensor: Scale 10^{16}Nm; M_{rr}4.47 $M_{\theta\theta}$-5.97 $M_{\phi\phi}$1.49 $M_{r\theta}$4.55 $M_{\theta\phi}$-2.24 $M_{\phi r}$0.56 NP1:ϕ_s82.44000°,δ65.18000° ,λ98.76000°. NP2:ϕ_s242.29000°,δ26.22000°,λ71.77000°. Principal axes: T 6.1930,Plg69.0000°,Azm10.0000°; N 2.0190,Plg8.0000°,Azm259.0000° ; P -8.2120,Plg20.0000°,Azm166.0000° $M_0$7.20000×10^{16}
AEIC Event type se. Error ellipse: s-maj=9.3km s-min=5.3km az=126.0. hypocenter. manual.
MOS Error ellipse: s-maj=7.9km s-min=4.4km az=100.5.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=4.8km az=161.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=14.8km s-min=8.2km az=178.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s78,c133; s121,c213;Duration: 1^{s}0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.52±.02 $M_{\theta\theta}$-0.59±.01; $M_{\phi\phi}$0.06±.01; $M_{r\theta}$0.62±.04; $M_{\theta\phi}$-0.14±.01; $M_{\phi r}$0.22±.03; Best double couple: NP1:ϕ_s72.00000°,δ70.00000°,λ85.00000°. NP2:ϕ_s267.00000°,δ21.00000°,λ104.00000°. Principal axes: T 0.8300,Plg65.0000° ,Azm333.0000°; N 0.0850,Plg5.0000°,Azm74.0000°; P -0.9150,Plg25.0000°,Azm166.0000° $M_0$0.87300×10^{17}
BGR Event type ke.

(54) Off coast of Jalisco

ISC V 20 06 02 13.0–.28 17.36N–.03 105.31W–.03 10 5.5b,5.1s 1549 2-147
IDC V 20 06 02 10.9–.60 17.38N 105.49W 0 5.1s,4.8 **¶610645717**
BJI V 20 06 02 11.6–.00 17.35N 105.78W 9 5.6b,5.6b
MOS V 20 06 02 11.7–1.1 17.47N 105.36W 10 5.6b,5.2s
MEX V 20 06 02 13.0–.76 17.49N 105.46W 10 5.6,5.2s
NEIC V 20 06 02 14 17.46N 105.39W 10 5.6,5.2s
NEIC V 20 06 02 14.3–1.6 17.49N–.07 105.32W–.07 10–1 5.7,5.6
NEIC V 20 06 02 14 17.06N 105.60W 22 5.7,5.6
NEIC V 20 06 02 14 17.46N 105.39W 22 5.7,5.6
GCMT V 20 06 02 15.3–.10 17.64N–.01 105.41W–.01 18–0 5.6W,5.6
ISC Event type se.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.49 $M_{\theta\theta}$-1.60 $M_{\phi\phi}$2.10 $M_{r\theta}$0.04 $M_{\theta\phi}$-1.24 $M_{\phi r}$-0.91 NP1:ϕ_s116.89000°,δ72.29000°,λ175.73000°. NP2:ϕ_s208.19000° ,δ85.94000°,λ17.76000°. Principal axes: T 2.7142,Plg15.0000°,Azm74.0000° ; N -0.6990,Plg72.0000°,Azm221.0000°; P -2.0152,Plg9.0000°,Azm341.0000° $M_0$2.44000×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 3^{s}8 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.48 $M_{\theta\theta}$-2.60 $M_{\phi\phi}$3.08 $M_{r\theta}$-1.46 $M_{\theta\phi}$-2.11 $M_{\phi r}$0.59 NP1:ϕ_s118.13000°,δ84.87000° ,λ-155.34000°. NP2:ϕ_s25.78000°,δ65.44000°,λ-5.64000°. Principal axes: T 4.0179,Plg13.0000°,Azm249.0000°; N -0.2645,Plg65.0000°,Azm129.0000° ; P -3.7534,Plg21.0000°,Azm345.0000° $M_0$3.89000×10^{17}
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s130,c219; s147,c293;Duration: 1^{s}6 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.36±.03 $M_{\theta\theta}$-2.39±.03; $M_{\phi\phi}$2.76±.04; $M_{r\theta}$-0.06±.07; $M_{\theta\phi}$-2.06±.03; $M_{\phi r}$0.40±.07; Best double couple: NP1:ϕ_s26.00000°,δ87.00000°,λ5.00000°. NP2:ϕ_s296.00000°,δ85.00000°,λ177.00000°. Principal axes: T 3.5240,Plg6.0000° ,Azm251.0000°; N -0.4000,Plg84.0000°,Azm55.0000°; P -3.1150,Plg2.0000°,Azm161.0000° $M_0$3.31900×10^{17}

(221) Kuril Islands

ISC V 22 11 00 57.2–.23 43.91N–.03 147.70E–.02 54–1 6.0b,4.9s 2665 1-153
BJI V 22 11 00 55.9–.00 43.93N 147.52E 43 5.5b,5.5b **¶611833954**
NEIC V 22 11 00 56.5 43.94N 147.71E 40 5.5b,5.5b
IDC V 22 11 00 57.3–1.1 43.88N 147.73E 56–9 5.7,5.4b
NEIC V 22 11 00 58.0–1.6 43.92N–.07 147.72E–.10 54–1 5.9b,5.5
SKHL V 22 11 00 57.4–.10 43.80N 147.90E 72–5 6.3b,5.1s
MOS V 22 11 00 57.3–.90 43.82N 147.75E 69 6.3b,5.0s
NEIC V 22 11 00 58 43.83N 147.86E 60 6.3b,5.0s
NIED V 22 11 00 58.8 43.65N 147.63E 35 5.6W,5.0s
BGR V 22 11 00 58.1 43.99N 147.72E 33 6.4,5.9b
NEIC V 22 11 00 58 43.93N 147.72E 60 6.4,5.9b
JMA V 22 11 00 58.8–.33 43.7N–1.0 148E–2.0 35 5.7,5.5W
GCMT V 22 11 00 59.0–.10 43.88N–.01 147.85E–.01 55–0 5.6W,5.5W
ISC Event type ke.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.48 $M_{\theta\theta}$0.08 $M_{\phi\phi}$-1.56 $M_{r\theta}$1.47 $M_{\theta\phi}$-0.38 $M_{\phi r}$0.69 NP1:ϕ_s170.95000°,δ32.88000°,λ42.26000°. NP2:ϕ_s43.60000°,δ68.59000° ,λ115.57000°. Principal axes: T 2.4437,Plg58.0000°,Azm349.0000°; N -0.4413,Plg24.0000° ,Azm214.0000°; P -2.0024,Plg20.0000°,Azm115.0000° $M_0$2.26000×10^{17}
MOS Event type fe. Felt (IV) at Malokuril'skoye; Gorniy, Goryachiye Klyuchi; (III-IV) at Kuril'sk, Reydovo; (III) at Goryachiy Plyazh, Lagunnoye, Mendeleyevo, Yuzhno- Kuril'sk. Moment Tensor Solution.
NEIC Event type se. Moment Tensor Solution.Duration: 2^{s}7 Moment tensor: Scale 10^{17}Nm; M_{rr}0.33 $M_{\theta\theta}$1.22 $M_{\phi\phi}$-1.55 $M_{r\theta}$1.14 $M_{\theta\phi}$-0.30 $M_{\phi r}$0.52 NP1:ϕ_s48.29000°,δ80.72000° ,λ139.67000°. NP2:ϕ_s146.09000°,δ50.31000°,λ12.10000°. Principal axes: T 1.9955,Plg34.0000°,Azm359.0000°; N -0.1848,Plg49.0000°,Azm218.0000° ; P -1.8106,Plg20.0000°,Azm103.0000° $M_0$1.90000×10^{17}
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{17}Nm; M_{rr}0.53 $M_{\theta\theta}$1.34 $M_{\phi\phi}$-1.88 $M_{r\theta}$1.94 $M_{\theta\phi}$-0.53 $M_{\phi r}$0.67 NP1:ϕ_s52.00000°,δ81.00000°,λ132.00000°. NP2:ϕ_s152.00000° ,δ43.00000°,λ13.00000°. $M_0$2.66000×10^{17}

BGR Event type ke.
NEIC Event type se.
JMA Event type fe. E OFF HOKKAIDO .
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s121,c204; s147,c291;Duration: 1s5 Moment tensor: Scale 10^{17}Nm; Mrr1.56±.04 Mθθ1.09±.04; Mφφ-2.65±.03; Mrθ1.55±.03; Mθφ-0.85±.03; Mφr0.79±.03; Best double couple: NP1:φs45.00000°,δ69.00000°,λ130.00000°. NP2:φs158.00000°,δ44.00000°,λ31.00000°. Principal axes: T 2.8930,Plg49.0000° ,Azm359.0000°; N 0.2270,Plg37.0000°,Azm208.0000°; P -3.1210,Plg14.0000° ,Azm107.0000° Mo3.00700$\times10^{17}$

(306) Xizang

ISC	**V**	**23 13 07 57.5–.67**	**30.68N–.08**	**89.06E–.09**	**35**	**3.7b,3.2s**	**26**	**4-85**
DMN	V	23 13 07 34.4–4.4	31.86N	90.02E	10	5.5b,3.2s		**¶610685219**
IDC	V	23 13 07 52.2–.87	30.56N	88.95E	0	3.8L,3.7		

ISC Event type ke.
DMN Event type ke. Error ellipse: s-maj=100.7km s-min=10.1km az=42.0.
IDC Error ellipse: s-maj=29.0km s-min=16.2km az=56.0.

(197) Near north coast of Irian Jaya

ISC	**V**	**23 20 59 55.2–.48**	**2.55S–.06**	**139.71E–.05**	**27**	**4.5b,3.4s**	**78**	**0-147**
IDC	V	23 20 59 51.7–1.0	2.34S	139.66E	0	4.3L,4.1		**¶610650850**
DJA	V	23 20 59 53.9–.30	2S–5.0	140E–3.0	10	6.0b,5.7		
NEIC	V	23 20 59 58.3–1.5	2.6S–.10	139.52E–.06	44–6	4.4b,5.7		

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

(268) Sulawesi

ISC	**V**	**24 09 10 17.0–.36**	**2.81S–.02**	**122.06E–.03**	**30–2**	**5.6b,5.1s**	**1215**	**2-167**
BJI	V	24 09 10 10.3–.00	3.48S	122.42E	40	5.5b,5.3s		**¶611833974**
IDC	V	24 09 10 12.7–.34	2.78S	122.02E	0	5.5L,5.3		
MOS	V	24 09 10 13.9–.97	2.72S	122.01E	22	5.9b,5.0s		
NEIC	V	24 09 10 14.3	2.79S	122.13E	10	5.9b,5.0s		
NEIC	V	24 09 10 14.3–1.8	2.79S–.03	122.12E–.05	10–1	5.7,5.7b		
NEIC	V	24 09 10 14.3	2.79S	122.13E	18	5.7,5.7b		
NEIC	V	24 09 10 14.3	2.79S	122.23E	18	5.7,5.7b		
DJA	V	24 09 10 15.5–.20	3S–1.0	122E–1.0	12–1	6.1b,6.0		
KLM	V	24 09 10 16	2.76S	122.25E	10	5.9b,6.0		
GCMT	V	24 09 10 16.3–.10	2.76S	122.15E	16	5.7W,6.0		

ISC Event type se.
IDC Error ellipse: s-maj=14.3km s-min=9.4km az=79.0.
MOS Error ellipse: s-maj=6.9km s-min=4.2km az=114.2.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=3.3km az=59.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; Mrr0.24 Mθθ2.10 Mφφ-2.33 Mrθ0.78 Mθφ1.04 Mφr1.32 NP1:φs122.79000°,δ57.56000°,λ2.97000°. NP2:φs31.20000°,δ87.49000° ,λ147.53000°. Principal axes: T 2.8011,Plg24.0000°,Azm342.0000°; N 0.1815,Plg57.0000° ,Azm207.0000°; P -2.9826,Plg20.0000°,Azm82.0000° Mo2.90000$\times10^{17}$
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 3s6 Moment tensor: Scale 10^{17}Nm; Mrr-0.82 Mθθ2.95 Mφφ-2.13 Mrθ1.55 Mθφ1.52 Mφr2.23 NP1:φs214.65000°,δ82.92000° ,λ-135.37000°. NP2:φs117.72000°,δ45.80000°,λ-9.90000°. Principal axes: T 4.2987,Plg24.0000°,Azm338.0000°; N -0.4841,Plg45.0000°,Azm222.0000° ; P -3.8146,Plg35.0000°,Azm86.0000° Mo4.06000$\times10^{17}$
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s137,c240; s145,c317;Duration: 1s7 Moment tensor: Scale 10^{17}Nm; Mrr-0.66±.03 Mθθ2.79±.03; Mφφ-2.13±.03; Mrθ2.01±.09; Mθφ1.55±.03; Mφr2.51±.10; Best double couple: NP1:φs215.00000°,δ85.00000°,λ-131.00000°. NP2:φs119.00000°,δ41.00000°,λ-8.00000°. Principal axes: T 4.6620,Plg28.0000° ,Azm336.0000°; N -0.6510,Plg40.0000°,Azm219.0000°; P -4.0110,Plg37.0000° ,Azm90.0000° Mo4.33600$\times10^{17}$

(9) Fox Islands

ISC	**V**	**24 16 07 04.0–.43**	**52.24N–.04**	**166.62W–.03**	**15–2**	**5.3b,4.5s**	**1406**	**1-160**
IDC	V	24 16 07 01.9–.48	52.30N	166.72W	0	5.0,5.0b		**¶611833966**
BJI	V	24 16 07 02.0–.00	52.40N	166.70W	10	5.2b,5.0b		
NEIC	V	24 16 07 03.2–1.9	52.32N–.06	166.67W–.05	11–3	5.4b,5.3		
MOS	V	24 16 07 03.2–1.1	52.24N	166.70W	19	5.5b,4.5s		
NEIC	V	24 16 07 04	51.86N	166.55W	12	5.5b,4.5s		
NEIC	V	24 16 07 04	52.36N	166.71W	12	5.5b,4.5s		
AEIC	V	24 16 07 05.6–2.5	52.37N–.07	166.66W–.08	46–4	5.5b,4.5s		
GCMT	V	24 16 07 06.2–.20	52.22N–.01	166.60W–.02	12	5.2W,4.5s		
BGR	V	24 16 07 22.4	54.19N	166.62W	40–0	5.2b,5.1s		

ISC Event type ke.
IDC Error ellipse: s-maj=15.0km s-min=9.2km az=176.0.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=4.3km az=166.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=7.5km s-min=4.1km az=102.7.
NEIC Event type se. Moment Tensor Solution.Duration: 2s1 Moment tensor: Scale 10^{16}Nm; Mrr-6.64 Mθθ6.72 Mφφ-0.08 Mrθ-6.63 Mθφ2.27 Mφr-0.61 NP1:φs81.47000°,δ66.91000° ,λ-82.73000°. NP2:φs243.46000°,δ24.15000°,λ-106.52000°. Principal axes: T 9.9899,Plg22.0000°,Azm166.0000°; N -0.6086,Plg7.0000°,Azm259.0000° ; P -9.3814,Plg67.0000°,Azm5.0000° Mo9.69000$\times10^{16}$
NEIC Event type se.
AEIC Event type se. Error ellipse: s-maj=10.7km s-min=6.4km az=158.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s94,c140; s135,c239;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; Mrr-0.82±.01 Mθθ0.80±.01; Mφφ0.01±.01; Mrθ-0.36±.04; Mθφ0.29±.01; Mφr0.14±.04; Best double couple: NP1:φs87.00000°,δ57.00000°,λ-71.00000°. NP2:φs236.00000°,δ38.00000°,λ-116.00000°. Principal axes: T 0.9540,Plg10.0000° ,Azm164.0000°; N -0.0140,Plg15.0000°,Azm257.0000°; P -0.9400,Plg71.0000° ,Azm43.0000° Mo0.94700$\times10^{17}$
BGR Event type ke.

(9) Fox Islands

ISC	**V**	**24 16 36 02.0–.35**	**52.34N–.03**	**166.72W–.02**	**19–1**	**5.8b,5.4s**	**2083**	**1-160**
BJI	V	24 16 35 57.0–.00	52.40N	166.60W	10	5.8b,5.7s		**¶610651482**
IDC	V	24 16 35 58.9–.34	52.34N	166.67W	0	5.4,5.4b		
MOS	V	24 16 35 59.2–1.2	52.28N	166.78W	10	6.0b,5.3s		
NEIC	V	24 16 35 59.7	52.35N	166.65W	4	6.0b,5.3s		
NEIC	V	24 16 36 00.2	52.36N	166.64W	12	6.0b,5.3s		
NEIC	V	24 16 36 00.1–1.7	52.32N–.04	166.67W–.06	10–1	5.9,5.8b		
NEIC	V	24 16 36 00.2	51.96N	166.64W	12	5.9,5.8b		
AEIC	V	24 16 36 02.2–1.9	52.37N–.05	166.70W–.07	8–3	5.9,5.8b		
GCMT	V	24 16 36 05.0–.10	52.26N	166.65W	12	5.8W,5.8b		
BGR	V	24 16 36 12.3	53.26N	166.33W	46–0	6.3,6.0b		

ISC Event type ke.
IDC Error ellipse: s-maj=12.4km s-min=6.5km az=0.0.
MOS Error ellipse: s-maj=7.0km s-min=3.6km az=100.7.
NEIC Event type se.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=6.8km s-min=5.9km az=113.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; Mrr-2.26 Mθθ1.46 Mφφ0.80 Mrθ0.54 Mθφ0.75 Mφr0.47 NP1:φs58.84000°,δ35.76000°,λ-86.64000°. NP2:φs234.70000°,δ54.31000° ,λ-92.42000°. Principal axes: T 2.0641,Plg9.0000°,Azm326.0000°; N 0.3177,Plg2.0000° ,Azm236.0000°; P -2.3817,Plg81.0000°,Azm134.0000° Mo2.24000$\times10^{17}$
NEIC Event type se. Moment Tensor Solution.Duration: 4s1 Moment tensor: Scale 10^{17}Nm; Mrr-5.68 Mθθ5.36 Mφφ0.32 Mrθ-4.33 Mθφ2.26 Mφr-1.40 NP1:φs71.00000°,δ63.72000° ,λ-88.15000°. NP2:φs246.83000°,δ26.34000°,λ-93.74000°. Principal axes: T 7.7588,Plg19.0000°,Azm160.0000°; N -0.5342,Plg2.0000°,Azm250.0000° ; P -7.2246,Plg71.0000°,Azm345.0000° Mo7.49000$\times10^{17}$
AEIC Event type se. Error ellipse: s-maj=7.5km s-min=5.5km az=156.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s134,c269; s163,c547; Duration: 2s0 Moment tensor: Scale 10^{17}Nm; Mrr-6.12±.04 Mθθ6.14±.04; Mφφ-0.01±.04; Mrθ-0.79±.12; Mθφ2.26±.03; Mφr1.19±.13; Best double couple: NP1:φs85.00000°,δ48.00000° ,λ-72.00000°. NP2:φs239.00000°,δ45.00000°,λ-109.00000°. Principal axes: T 6.8920,Plg2.0000°,Azm162.0000°; N -0.4240,Plg14.0000°,Azm253.0000° ; P -6.4620,Plg76.0000°,Azm65.0000° Mo6.67700$\times10^{17}$
BGR Event type ke.

(7) Andreanof Islands

ISC	**V**	**28 07 06 16.4–.25**	**51.83N–.04**	**175.35W–.02**	**49–1**	**5.4b,4.5s**	**2507**	**0-160**
NEIC	V	28 07 06 14.9	51.74N	175.25W	33	5.4b,4.5s		**¶610655187**
BJI	V	28 07 06 15.3–.00	52.12N	175.44W	55	5.3b,5.3b		
AEIC	V	28 07 06 15.3–2.7	51.60N–.06	175.21W–.06	23–3	5.3b,5.3b		
MOS	V	28 07 06 15.2–.89	51.96N	175.34W	51	5.4b,4.6s		
NEIC	V	28 07 06 15.1–1.9	51.76N–.07	175.29W–.05	34–1	5.5b,5.4L		
GCMT	V	28 07 06 16.1–.10	51.67N–.01	175.16W–.01	43–0	5.2W,5.4L		
IDC	V	28 07 06 17.1–1.3	51.93N	175.35W	52–10	5.1,4.8b		
BGR	V	28 07 06 17.0	51.87N	176.09W	33	5.3s,5.1b		

ISC Event type ke.
NEIC Event type se.
AEIC Event type se. Error ellipse: s-maj=9.1km s-min=4.7km az=170.0. hypocenter. manual.
MOS Error ellipse: s-maj=5.8km s-min=5.0km az=91.7.
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=5.3km az=169.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; Mrr0.98 Mθθ-1.17 Mφφ0.19 Mrθ0.43 Mθφ-0.04 Mφr0.22 NP1:φs281.41000°,δ35.41000°,λ110.83000°. NP2:φs76.38000°,δ57.21000° ,λ75.81000°. Principal axes: T 1.1115,Plg74.0000°,Azm309.0000°; N 0.1439,Plg12.0000° ,Azm84.0000°; P -1.2554,Plg11.0000°,Azm177.0000° Mo1.19000$\times10^{17}$
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s126,c196; s135,c225;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; Mrr0.74±.02 Mθθ-0.63±.01; Mφφ-0.11±.01; Mrθ0.42±.01; Mθφ-0.34±.01; Mφr0.34±.01; Best double couple: NP1:φs56.00000°,δ63.00000°,λ83.00000°. NP2:φs252.00000°,δ28.00000°,λ104.00000°. Principal axes: T 0.9240,Plg71.0000° ,Azm310.0000°; N 0.0370,Plg6.0000°,Azm59.0000°; P -0.9610,Plg17.0000°,Azm152.0000° Mo0.94200$\times10^{17}$
IDC Error ellipse: s-maj=14.5km s-min=8.2km az=171.0.
BGR Event type ke.

(12) Alaska Peninsula

ISC	**V**	**28 07 37 08.9–.50**	**53.79N–.04**	**161.01W–.02**	**11–2**	**5.5s,5.0b**	**1172**	**2-162**
IDC	V	28 07 37 06.5–.56	53.84N	161.03W	0	5.2s,4.5		**¶611833989**
AEIC	V	28 07 37 07.0–1.6	53.65N–.08	160.95W–.09	6–4	5.2s,4.5		
NEIC	V	28 07 37 08	53.74N	160.99W	10	5.2s,4.5		
NEIC	V	28 07 37 08.1–1.5	53.65N–.06	160.99W–.04	16–1	5.7,5.5		
NEIC	V	28 07 37 08	53.35N	160.63W	16	5.7,5.5		
NEIC	V	28 07 37 08	53.65N	160.97W	16	5.7,5.5		
BJI	V	28 07 37 09.9–.00	54.16N	161.39W	20	5.8s,5.6		
MOS	V	28 07 37 10.8–1.4	53.87N	160.98W	35	5.4s,5.1b		
GCMT	V	28 07 37 15.1–.10	53.43N–.01	160.49W–.01	12	5.6W,5.1b		
BGR	V	28 07 37 15.7	54.30N	160.63W	33	5.3s,4.8b		

ISC Event type ke.
IDC Error ellipse: s-maj=15.8km s-min=8.9km az=6.0.
AEIC Event type se. Error ellipse: s-maj=11.5km s-min=7.2km az=171.0. hypocenter. manual.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=3.8km az=198.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; Mrr1.53 Mθθ-1.22 Mφφ-0.31 Mrθ1.41 Mθφ-0.61 Mφr0.63 NP1:φs241.36000°,δ22.41000°,λ86.55000°. NP2:φs65.08000°,δ67.63000° ,λ91.42000°. Principal axes: T 2.1720,Plg67.0000°,Azm338.0000°; N -0.0031,Plg1.0000° ,Azm245.0000°; P -2.1689,Plg23.0000°,Azm154.0000° Mo2.17000$\times10^{17}$
NEIC Event type se. Moment Tensor Solution.Duration: 3s3 Moment tensor: Scale 10^{17}Nm; Mrr2.11 Mθθ-2.18 Mφφ0.07 Mrθ4.13 Mθφ-0.93 Mφr0.97 NP1:φs76.17000°,δ75.78000° ,λ93.54000°. NP2:φs242.04000°,δ14.65000°,λ76.32000°. Principal axes: T 4.6434,Plg59.0000°,Azm351.0000°; N 0.3739,Plg3.0000°,Azm255.0000° ; P -5.0173,Plg31.0000°,Azm163.0000° Mo4.83000$\times10^{17}$
NEIC Event type se.
MOS Error ellipse: s-maj=8.3km s-min=3.9km az=95.7.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s120,c212; s158,c329;Duration: 1s6 Moment tensor: Scale 10^{17}Nm; Mrr2.00±.02 Mθθ-1.74±.02; Mφφ-0.26±.02; Mrθ2.96±.07; Mθφ-0.68±.02; Mφr0.89±.07; Best double couple: NP1:φs73.00000°,δ74.00000°,λ92.00000°. NP2:φs245.00000°,δ17.00000°,λ83.00000°. Principal axes: T 3.6850,Plg61.0000° ,Azm346.0000°; N -0.0110,Plg2.0000°,Azm252.0000°; P -3.6790,Plg29.0000° ,Azm161.0000° Mo3.68200$\times10^{17}$
BGR Event type ke.

(190) New Ireland region

ISC	**V**	**28 08 21 24.7–.41**	**1.31S–.04**	**149.49E–.06**	**42–3**	**4.9b,4.3s**	**477**	**4-147**
IDC	V	28 08 21 18.8–.41	1.28S	149.57E	0	4.8b,4.7		**¶610655192**
MOS	V	28 08 21 21.5–.83	1.28S	149.55E	29	5.2b,4.7		
GCMT	V	28 08 21 24.2–.20	1.25S–.02	149.47E–.02	18–1	5.0W,4.7		
BJI	V	28 08 21 24.5–.00	1.08S	149.71E	53	5.7b,5.1b		
NEIC	V	28 08 21 24.2–1.4	1.30S–.09	149.4E–.10	35–1	5.0b,5.1b		
DJA	V	28 08 21 27.0–.70	1S–4.0	149E–4.0	56–6	5.4b,4.9b		

ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s41,c49; s94,c137;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr-2.77±.22 Mθθ-0.49±.13; Mφφ3.26±.14; Mrθ-2.00±.42; Mθφ2.16±.09; Mφr0.40±.30; Best double couple: NP1:φs55.00000°,δ59.00000°,λ-47.00000°. NP2:φs174.00000°,δ51.00000°,λ-138.00000°. Principal axes: T 4.2790,Plg4.0000° ,Azm116.0000°; N -0.0500,Plg36.0000°,Azm209.0000°; P -4.2300,Plg54.0000° ,Azm20.0000° Mo4.25400$\times10^{16}$
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(268) Sulawesi

ISC	**V**	**29 14 35 22.8–.27**	**1.30S–.02**	**120.45E–.02**	**13–1**	**6.4s,6.1b**	**2427**	**2-179**
IDC	V	29 14 35 19.2–.24	1.22S	120.44E	0	6.3s,5.4b		**¶610655578**
BJI	V	29 14 35 21.2–.00	1.34S	120.39E	20	6.8b,6.6s		
NEIC	V	29 14 35 21.5–1.8	1.29S–.05	120.43E–.05	12–1	6.6,6.6		
NEIC	V	29 14 35 21.3	1.39S	120.45E	12	6.6,6.6		
NEIC	V	29 14 35 21.2	1.28S	120.46E	10	6.6,6.6		
NEIC	V	29 14 35 21.3	1.29S	120.45E	12	6.6,6.6		
MOS	V	29 14 35 21.4–1.3	1.25S	120.49E	26	6.4s,6.3b		
DJA	V	29 14 35 23.3–.50	1S–1.0	120E–1.0	11–4	6.8b,6.7		
KLM	V	29 14 35 23	1.12S	120.78E	12	6.3b,6.7		
GCMT	V	29 14 35 27.5–.00	1.24S	120.40E	12	6.6W,6.7		
NEIC	V	29 14 35 31.2	1.54S	120.55E	21	6.6W,6.7		

ISC Event type se.
IDC Error ellipse: s-maj=8.7km s-min=5.2km az=68.0.
NEIC Event type se. Error ellipse: s-maj=8.7km s-min=8.4km az=217.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution.Duration: 11s2 Moment tensor: Scale 10^{18}Nm; Mrr-7.59 Mθθ8.35 Mφφ-0.76 Mrθ4.61 Mθφ-3.10 Mφr-2.24 NP1:φs292.69000°,δ60.73000° ,λ-83.76000°. NP2:φs100.09000°,δ29.87000°,λ-100.97000°. Principal axes: T 10.7088,Plg16.0000°,Azm18.0000°; N -1.6402,Plg5.0000°,Azm110.0000° ; P -9.0686,Plg74.0000°,Azm218.0000° Mo9.89000$\times10^{18}$
NEIC Event type se.
NEIC Event type se.
MOS Error ellipse: s-maj=6.9km s-min=4.0km az=112.6.
GCMT nsta1 refers to body waves, cutoff=50s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s169,c427; s167,c797; Duration: 4s8 Moment tensor: Scale 10^{19}Nm; Mrr-0.77±.00 Mθθ0.89±.00; Mφφ-0.11±.00; Mrθ0.38±.01; Mθφ-0.26±.00; Mφr-0.01±.01; Best double couple: NP1:φs277.00000°,δ57.00000° ,λ-98.00000°. NP2:φs111.00000°,δ34.00000°,λ-78.00000°. Principal axes: T 1.0290,Plg12.0000°,Azm13.0000°; N -0.1710,Plg6.0000°,Azm282.0000° ; P -0.8560,Plg77.0000°,Azm163.0000° Mo0.94200$\times10^{19}$
NEIC Event type se. Moment Tensor Solution.Duration: 11s5 Moment tensor: Scale 10^{19}Nm; Mrr-0.85 Mθθ0.89 Mφφ-0.04 Mrθ0.57 Mθφ-0.29 Mφr0.27 NP1:φs264.63000°,δ62.51000° ,λ-112.59000°. NP2:φs126.65000°,δ35.01000°,λ-53.57000°. Principal axes: T 1.0974,Plg15.0000°,Azm11.0000°; N 0.0346,Plg20.0000°,Azm275.0000° ; P -1.1320,Plg65.0000°,Azm135.0000° Mo1.11000$\times10^{19}$

(268) Sulawesi

ISC	**V**	**29 15 03 27.0–.44**	**1.25S–.05**	**120.44E–.04**	**10**	**4.4b**	**75**	**2-89**
IDC	V	29 15 03 25.1–.71	1.13S	120.62E	0	4.3L,4.1		**¶610655571**
DJA	V	29 15 03 27.2–.20	1S–2.0	120E–2.0	10	7.1b,7.1		
NEIC	V	29 15 03 27.4–1.5	1.25S–.03	120.42E–.06	10–1	4.6b,7.1		

ISC Event type se.

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

(268) Sulawesi

ISC	**V**	**29 15 18 49.5–.34**	**1.26S–.04**	**120.49E–.05**	**23**	**4.8b**	**194**	**2-152**
IDC	V	29 15 18 45.5–.49	1.24S	120.63E	0	4.9L,4.5		**¶610655585**
MOS	V	29 15 18 45.5–.97	1.25S	120.62E	15	5.0b,4.5		
NEIC	V	29 15 18 46.9–.91	1.32S–.04	120.47E–.05	10–1	5.0b,4.5		
BJI	V	29 15 18 46.0–.00	1.30S	120.50E	5	5.2s,5.0		
DJA	V	29 15 18 47.9–.20	1S–2.0	120E–2.0	10	5.9b,5.4		

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

(268) Sulawesi

ISC	**V**	**29 15 29 59.8–.39**	**1.25S–.04**	**120.45E–.04**	**10**	**4.5b**	**84**	**2-89**
IDC	V	29 15 29 58.1–.60	1.14S	120.67E	0	4.9s,4.3L		**¶610655688**
NEIC	V	29 15 29 60.0–1.1	1.22S–.06	120.46E–.06	10–1	4.5b,4.3L		
DJA	V	29 15 30 00.7–.80	1S–2.0	120E–2.0	17–6	5.6b,5.1		

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

(268) Sulawesi

ISC	**V**	**29 16 04 56.9–.60**	**1.30S–.05**	**120.40E–.05**	**23**	**3.9b**	**43**	**2-89**
IDC	V	29 16 04 53.5–.94	1.29S	120.60E	0	3.8,3.8L		**¶610685634**
DJA	V	29 16 04 54.9–.20	1S–2.0	120E–2.0	10	6.1b,5.7		
NEIC	V	29 16 04 55.3–.71	1.34S–.07	120.39E–.06	10–1	4.2b,5.7		

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

(268) Sulawesi

ISC	**V**	**29 18 09 09.8–1.2**	**1.17S–.08**	**120.2E–.10**	**10**	**3.3b**	**14**	**2-58**
IDC	V	29 18 09 07.9–1.6	1.14S	120.61E	0	3.7L,3.4		**¶610685655**
DJA	V	29 18 09 09.5–.30	1S–2.0	120E–3.0	10	5.6b,5.1		

ISC Event type ke.

(268) Sulawesi

ISC	**V**	**30 20 26 41.4–.54**	**1.13S–.04**	**120.68E–.05**	**10**	**4.2b,3.7s**	**52**	**2-87**
IDC	V	30 20 26 39.9–.75	1.22S	120.83E	0	3.9,3.9b		**¶610685741**
NEIC	V	30 20 26 40.9–2.0	1.12S–.05	120.87E–.06	10–1	4.2b,3.9b		
DJA	V	30 20 26 41.2–.90	1S–2.0	121E–2.0	10–7	5.5b,5.0		

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

(268) Sulawesi

ISC	**VI**	**01 00 49 11.8–.82**	**1.24S–.06**	**120.19E–.08**	**10**	**4.0b**	**27**	**2-89**
IDC	VI	01 00 49 10.6–.98	1.15S	120.69E	0	3.9L,3.8		**¶610791024**
DJA	VI	01 00 49 12.6–.30	1S–3.0	120E–4.0	10	6.1b,5.7		
NEIC	VI	01 00 49 12.1–.79	1.32S–.06	120.65E–.07	10–1	4.2b,5.7		

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

(268) Sulawesi

ISC	**VI**	**02 05 59 18.4–.49**	**1.30S–.04**	**120.45E–.04**	**18–2**	**4.9b,3.9s**	**286**	**2-161**
IDC	VI	02 05 59 14.9–.46	1.24S	120.34E	0	4.5,4.5b		**¶610659602**
GCMT	VI	02 05 59 16.5–.20	1.25S–.01	120.48E–.03	18–1	4.9W,4.5b		
NEIC	VI	02 05 59 17.5–2.3	1.23S–.05	120.50E–.03	10–1	5.0b,4.5b		
MOS	VI	02 05 59 18.9–.91	1.22S	120.48E	38	5.0b,4.5b		
DJA	VI	02 05 59 20.2–.20	1S–2.0	120E–1.0	29–2	5.6b,5.2		

ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s32,c36; s94,c129;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.51±.16 $M_{\theta\theta}$2.99±.10; $M_{\phi\phi}$-1.48±.14; $M_{r\theta}$0.40±.21; $M_{\theta\phi}$-0.88±.07; $M_{\phi r}$0.35±.34; Best double couple: NP1:ϕ_s245.00000°,δ66.00000°,λ-146.00000°. NP2:ϕ_s139.00000°,δ59.00000°,λ-29.00000°. Principal axes: T 3.1800,Plg4.0000° ,Azm10.0000°; N -1.1650,Plg49.0000°,Azm276.0000°; P -2.0150,Plg41.0000° ,Azm104.0000° $M_0$2.59800×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(291) South of Sumbawa

ISC	**VI**	**02 12 27 59.0–1.3**	**11.5S–.10**	**117.77E–.09**	**10**		**16**	**3-66**
DJA	VI	02 12 27 59.3–.30	12S–3.0	118E–3.0	10	5.9b,5.5		**¶615347392**
IDC	VI	02 12 28 01.2–3.3	9.81S	119.35E	0	3.6b,3.3		

ISC Event type ke.
IDC Error ellipse: s-maj=270.9km s-min=31.0km az=50.0.

(274) Southern Sumatera

ISC	**VI**	**02 17 24 24.2–1.2**	**4.7S–.10**	**101.7E–.10**	**30**	**3.6b**	**24**	**1-146**
DJA	VI	02 17 24 22.2–.30	5S–2.0	102E–3.0	10	5.7b,5.3		**¶615347374**
IDC	VI	02 17 24 28.1–4.2	2.70S	104.18E	0	3.6,3.6b		

ISC Event type ke.
IDC Error ellipse: s-maj=245.0km s-min=28.2km az=52.0.

(5) Near Islands

ISC	**VI**	**02 22 24 48.6–.23**	**53.98N–.02**	**170.83E–.02**	**15–1**	**6.9s,6.3b**	**3937**	**2-163**
BJI	VI	02 22 24 44.8–.00	54.05N	170.87E	10	7.1s,7.0		**¶616652111**
IDC	VI	02 22 24 46.0–.33	53.99N	170.85E	0	6.7s,5.8		
KRSC	VI	02 22 24 46.7–2.3	53.99N	170.55E	32–31	7.4,6.6L		
BGR	VI	02 22 24 46.8	53.86N	171.34E	14–1	6.7s,6.6		
AEIC	VI	02 22 24 47.7–3.2	53.69N–.07	170.98E–.07	25–2	6.7s,6.6		
NEIC	VI	02 22 24 47.4–1.8	54.03N–.07	170.92E–.09	5–1	6.9,6.8		
NEIC	VI	02 22 24 48.2	54.08N	170.94E	20	6.9,6.8		
NEIC	VI	02 22 24 48.2	54.08N	170.59E	20	6.9,6.8		
NEIC	VI	02 22 24 48.2	54.08N	170.94E	10	6.9,6.8		
MOS	VI	02 22 24 49.9–.95	54.03N	170.65E	43	6.8s,6.6b		
GCMT	VI	02 22 24 53.4–.00	54.14N	170.83E	13–0	6.7W,6.6b		

ISC Event type ke.
IDC Error ellipse: s-maj=10.5km s-min=7.8km az=177.0.
KRSC Event type se.
BGR Event type ke.
AEIC Event type se. Error ellipse: s-maj=9.8km s-min=6.1km az=182.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=8.7km az=20.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{19}Nm; M_{rr}0.04 $M_{\theta\theta}$-1.02 $M_{\phi\phi}$0.99 $M_{r\theta}$0.03 $M_{\theta\phi}$-0.24 $M_{\phi r}$-0.07 NP1:ϕ_s128.22000°,δ87.78000°,λ176.22000°. NP2:ϕ_s218.36000°,δ86.22000° ,λ2.22000°. Principal axes: T 1.0218,Plg4.0000°,Azm83.0000°; N 0.0315,Plg86.0000° ,Azm278.0000°; P -1.0533,Plg1.0000°,Azm173.0000° $M_0$1.04000×10^{19}
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 13s0 Moment tensor: Scale 10^{19}Nm; M_{rr}-0.00 $M_{\theta\theta}$-1.66 $M_{\phi\phi}$1.66 $M_{r\theta}$0.09 $M_{\theta\phi}$-0.31 $M_{\phi r}$0.41 NP1:ϕ_s40.24000°,δ84.24000° ,λ12.20000°. NP2:ϕ_s309.00000°,δ77.86000°,λ174.11000°. Principal axes: T 1.7813,Plg13.0000°,Azm265.0000°; N -0.0850,Plg77.0000°,Azm65.0000° ; P -1.6963,Plg4.0000°,Azm174.0000° $M_0$1.74000×10^{19}
NEIC Event type se.
MOS Error ellipse: s-maj=5.3km s-min=4.1km az=32.5.
GCMT nsta1 refers to body waves, cutoff=50s. nsta2 refers to surface/mantle waves, cutoff=125s. Triangular moment-rate function. Moment Tensor Solution. s168,c433; s168,c818; Duration: 5s7 Moment tensor: Scale 10^{19}Nm; M_{rr}0.13±.01 $M_{\theta\theta}$-1.66±.01; $M_{\phi\phi}$1.54±.01; $M_{r\theta}$-0.13±.01; $M_{\theta\phi}$-0.32±.01; $M_{\phi r}$0.03±.01; Best double couple: NP1:ϕ_s129.00000°,δ89.00000° ,λ-176.00000°. NP2:ϕ_s39.00000°,δ86.00000°,λ-1.00000°. Principal axes: T 1.5730,Plg2.0000°,Azm264.0000°; N 0.1330,Plg86.0000°,Azm150.0000° ; P -1.7000,Plg4.0000°,Azm354.0000° $M_0$1.63600×10^{19}

(221) Kuril Islands

ISC	**VI**	**03 11 47 23.9–.24**	**50.82N–.03**	**157.34E–.02**	**59–1**	**5.5b,4.5s**	**2296**	**1-159**
KRSC	VI	03 11 47 20.6–2.3	50.63N	157.67E	62–26	5.9L,5.5		**¶611834039**
BJI	VI	03 11 47 22.3–.00	50.86N	157.20E	60	5.4b,5.1b		
NEIC	VI	03 11 47 23.7	50.53N	158.12E	60	5.4b,5.1b		
NEIC	VI	03 11 47 23.3–2.2	50.82N–.05	157.35E–.08	44–1	5.6b,5.3		
NEIC	VI	03 11 47 23.7	50.83N	157.33E	60	5.6b,5.3		
NEIC	VI	03 11 47 23.1	50.86N	157.26E	42	5.6b,5.3		
MOS	VI	03 11 47 24.0–.92	50.84N	157.18E	74	5.7b,4.8s		
IDC	VI	03 11 47 25.9–1.3	50.95N	157.20E	71–10	5.5,5.2b		
GCMT	VI	03 11 47 26.3–.10	50.76N–.01	157.70E–.01	54–0	5.3W,5.2b		
BGR	VI	03 11 47 27.3	51.83N	156.31E	33	5.5,5.2b		

ISC Event type ke.
KRSC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2s1 Moment tensor: Scale 10^{17}Nm; M_{rr}0.98 $M_{\theta\theta}$-0.22 $M_{\phi\phi}$-0.76 $M_{r\theta}$0.06 $M_{\theta\phi}$-0.53 $M_{\phi r}$0.10 NP1:ϕ_s31.36000°,δ48.09000° ,λ89.90000°. NP2:ϕ_s211.52000°,δ41.91000°,λ90.11000°. Principal axes: T 0.9900,Plg87.0000°,Azm300.0000°; N 0.1019,Plg0.0000°,Azm31.0000° ; P -1.0919,Plg3.0000°,Azm121.0000° $M_0$1.04000×10^{17}
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=5.2km az=226.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.15 $M_{\theta\theta}$-0.67 $M_{\phi\phi}$-0.47 $M_{r\theta}$0.20 $M_{\theta\phi}$-0.50 $M_{\phi r}$0.31 NP1:ϕ_s235.61000°,δ36.37000°,λ98.12000°. NP2:ϕ_s45.57000°,δ54.05000° ,λ84.06000°. Principal axes: T 1.2099,Plg80.0000°,Azm291.0000°; N -0.0751,Plg5.0000° ,Azm49.0000°; P -1.1347,Plg9.0000°,Azm140.0000° $M_0$1.17000×10^{17}
NEIC Event type se.
NEIC Event type se.
MOS Event type fe. Error ellipse: s-maj=5.5km s-min=2.7km az=84.0. Felt (III) at Severo-Kurilsk; (II) at Petropavlovsk-Kamchatsky. Moment Tensor Solution.
IDC Error ellipse: s-maj=9.7km s-min=7.8km az=134.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s131,c218; s140,c255;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}1.25±.02 $M_{\theta\theta}$-0.39±.02; $M_{\phi\phi}$-0.85±.02; $M_{r\theta}$0.21±.01; $M_{\theta\phi}$-0.64±.01; $M_{\phi r}$0.39±.01; Best double couple: NP1:ϕ_s33.00000°,δ55.00000°,λ87.00000°. NP2:ϕ_s217.00000°,δ35.00000°,λ94.00000°. Principal axes: T 1.3270,Plg80.0000° ,Azm292.0000°; N 0.0490,Plg2.0000°,Azm34.0000°; P -1.3780,Plg10.0000°,Azm125.0000° $M_0$1.35200×10^{17}
BGR Event type ke.

(702) Balleny Islands region

ISC	**VI**	**03 19 17 33.5–.46**	**62.65S–.04**	**155.81E–.05**	**9–2**	**5.6b,5.6s**	**886**	**8-168**
BJI	VI	03 19 17 32.7–.00	62.58S	155.76E	7	5.8b,5.6b		**¶615092685**
IDC	VI	03 19 17 32.0–.40	62.59S	155.67E	0	5.4s,5.0		
NEIC	VI	03 19 17 33.8	62.60S	155.83E	14	5.4s,5.0		
NEIC	VI	03 19 17 33.8	62.80S	156.27E	14	5.4s,5.0		
NEIC	VI	03 19 17 34.0–1.3	62.58S–.07	155.8E–.20	10–1	5.9,5.9		
NEIC	VI	03 19 17 33.8	62.60S	155.82E	10	5.9,5.9		
MOS	VI	03 19 17 34.1–1.2	62.55S	155.65E	16	5.6b,5.6s		
GCMT	VI	03 19 17 38.0–.10	62.57S	155.40E	12	5.9W,5.6s		

ISC Event type se.
IDC Error ellipse: s-maj=16.5km s-min=11.8km az=110.0.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 4s6 Moment tensor: Scale 10^{17}Nm; M_{rr}-3.34 $M_{\theta\theta}$7.24 $M_{\phi\phi}$-3.90 $M_{r\theta}$-1.62 $M_{\theta\phi}$-5.07 $M_{\phi r}$-2.57 NP1:ϕ_s71.55000°,δ69.08000° ,λ-152.86000°. NP2:ϕ_s331.18000°,δ64.78000°,λ-23.24000°. Principal axes: T 9.2299,Plg3.0000°,Azm201.0000°; N -1.3839,Plg56.0000°,Azm106.0000° ; P -7.8460,Plg34.0000°,Azm292.0000° $M_0$8.54000×10^{17}
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=10.8km az=229.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.37 $M_{\theta\theta}$6.98 $M_{\phi\phi}$-6.61 $M_{r\theta}$0.29 $M_{\theta\phi}$-3.06 $M_{\phi r}$-1.35 NP1:ϕ_s326.75000°,δ85.80000°,λ-10.02000°. NP2:ϕ_s57.49000°,δ80.01000° ,λ-175.73000°. Principal axes: T 7.6813,Plg4.0000°,Azm12.0000°; N -0.1900,Plg79.0000° ,Azm124.0000°; P -7.4912,Plg10.0000°,Azm282.0000° $M_0$7.59000×10^{17}
NEIC Event type se.
MOS Error ellipse: s-maj=26.0km s-min=8.2km az=96.6.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s147,c301; s150,c474; Duration: 2s3 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.08±.01 $M_{\theta\theta}$0.85±.01; $M_{\phi\phi}$-0.77±.01; $M_{r\theta}$-0.21±.01; $M_{\theta\phi}$-0.55±.01; $M_{\phi r}$-0.04±.01; Best double couple: NP1:ϕ_s242.00000° ,δ88.00000°,λ168.00000°. NP2:ϕ_s332.00000°,δ79.00000°,λ2.00000°. Principal axes: T 1.0490,Plg9.0000°,Azm197.0000°; N -0.0940,Plg78.0000°,Azm53.0000° ; P -0.9560,Plg7.0000°,Azm288.0000° $M_0$1.00200×10^{18}

(174) Tonga Islands region

ISC	**VI**	**04 00 20 55.7–.52**	**18.74S–.06**	**172.73W–.05**	**19–2**	**5.0b,4.6s**	**441**	**3-172**
BJI	VI	04 00 20 52.2–.00	18.62S	172.69W	5	5.5b,5.1b		**¶610672770**
NEIC	VI	04 00 20 53.6–1.6	18.71S–.09	172.69W–.07	10–1	5.1b,5.1b		
IDC	VI	04 00 20 53.2–.49	18.75S	173.17W	0	4.5,4.5b		
GCMT	VI	04 00 20 57.6–.20	18.74S–.02	172.54W–.01	14–0	5.0W,4.5b		
BGR	VI	04 00 20 59.0	19.19S	172.60W	33–0	4.6s,4.5b		
MOS	VI	04 00 20 59.4–2.2	17.60S	173.99W	10	5.1b,4.5b		

ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=14.9km s-min=10.9km az=194.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=20.5km s-min=13.6km az=140.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s56,c68; s120,c180;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}4.42±.18 $M_{\theta\theta}$-0.51±.12; $M_{\phi\phi}$-3.91±.13; $M_{r\theta}$0.17±.27; $M_{\theta\phi}$-1.52±.07; $M_{\phi r}$1.13±.24; Best double couple: NP1:ϕ_s18.00000°,δ52.00000°,λ86.00000°. NP2:ϕ_s204.00000°,δ38.00000°,λ95.00000°. Principal axes: T 4.5710,Plg82.0000° ,Azm267.0000°; N 0.0570,Plg3.0000°,Azm20.0000°; P -4.6290,Plg7.0000°,Azm111.0000° $M_0$4.60000×10^{16}
BGR Event type ke.
MOS Error ellipse: s-maj=13.9km s-min=10.7km az=98.6.

(110) Peru-Ecuador border region

ISC	**VI**	**05 11 34 09.8–.20**	**4.15S–.03**	**80.52W–.03**	**51–1**	**5.9b,5.0s**	**2198**	**1-166**
MOS	VI	05 11 34 09.5–.85	4.04S	80.48W	53	6.1b,4.8s		**¶610662329**
GCMT	VI	05 11 34 10.3–.10	4.23S–.01	80.66W–.01	52–0	5.6W,4.8s		
IDC	VI	05 11 34 10.3–.31	4.05S	80.43W	53–2	5.3,5.1b		
IGQ	VI	05 11 34 10–.68	4S–3.0	81W–5.0	17	5.3,5.1b		
NEIC	VI	05 11 34 11.3	4.07S	80.36W	50	5.3,5.1b		
VAO	VI	05 11 34 11.0–.24	4.08S	80.32W	51	5.7b,5.1b		
NEIC	VI	05 11 34 11.3–2.1	4.07S–.06	80.36W–.07	49–1	5.9b,5.8		
NEIC	VI	05 11 34 11	4.07S	80.37W	46	5.9b,5.8		
NEIC	VI	05 11 34 11.3	4.07S	80.36W	50	5.9b,5.8		
BGR	VI	05 11 34 29.3	1.42S	77.45W	49–0	6.0,5.8b		

ISC Event type ke.
MOS Error ellipse: s-maj=9.4km s-min=5.0km az=95.9.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s148,c257; s144,c280;Duration: 1s6 Moment tensor: Scale 10^{17}Nm; M_{rr}3.13±.04 $M_{\theta\theta}$0.20±.03; $M_{\phi\phi}$-3.34±.03; $M_{r\theta}$1.04±.03; $M_{\theta\phi}$0.34±.03; $M_{\phi r}$0.38±.04; Best double couple: NP1:ϕ_s12.00000°,δ50.00000°,λ114.00000°. NP2:ϕ_s157.00000°,δ45.00000°,λ64.00000°. Principal axes: T 3.4940,Plg72.0000° ,Azm347.0000°; N -0.1140,Plg18.0000°,Azm176.0000°; P -3.3860,Plg3.0000°,Azm85.0000° $M_0$3.44000×10^{17}
IDC Error ellipse: s-maj=10.0km s-min=6.0km az=61.0.
NEIC Event type se. Moment Tensor Solution.Duration: 3s2 Moment tensor: Scale 10^{17}Nm; M_{rr}3.17 $M_{\theta\theta}$-0.25 $M_{\phi\phi}$-2.92 $M_{r\theta}$1.16 $M_{\theta\phi}$0.24 $M_{\phi r}$0.26 NP1:ϕ_s11.80000°,δ49.10000° ,λ113.25000°. NP2:ϕ_s158.52000°,δ46.02000°,λ65.50000°. Principal axes: T 3.5448,Plg73.0000°,Azm350.0000°; N -0.6023,Plg17.0000°,Azm176.0000° ; P -2.9424,Plg2.0000°,Azm86.0000° $M_0$3.24000×10^{17}
VAO Error ellipse: s-maj=2.8km s-min=3.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=9.8km az=69.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}5.02 $M_{\theta\theta}$0.26 $M_{\phi\phi}$-5.28 $M_{r\theta}$0.65 $M_{\theta\phi}$1.99 $M_{\phi r}$0.94 NP1:ϕ_s150.39000°,δ42.62000°,λ72.57000°. NP2:ϕ_s353.49000°,δ49.75000° ,λ105.41000°. Principal axes: T 5.2516,Plg78.0000°,Azm326.0000°; N 0.7182,Plg12.0000° ,Azm163.0000°; P -5.9697,Plg4.0000°,Azm73.0000° $M_0$5.65000×10^{17}
NEIC Event type se.
NEIC Event type se.
BGR Event type ke.

(731) North of Honduras

ISC	**VI**	**05 13 07 45.2–.38**	**17.36N–.04**	**84.75W–.05**	**10**	**4.7b,3.5s**	**313**	**4-143**
SNET	VI	05 13 07 00.0–1.1	19.03N	81.64W	164–440	5.0L,3.5s		**¶610662502**
IDC	VI	05 13 07 43.0–.58	17.25N	84.77W	0	4.2,4.2b		
NEIC	VI	05 13 07 45.3–2.1	17.24N–.06	84.75W–.07	6–2	4.6b,4.2b		
SSNC	VI	05 13 08 00.8–2.6	18.17N	83.83W	18–999	5.5b,4.2b		
JSN	VI	05 13 09 25.9–.91	18.07N	77.39W	15	5.5b,4.2b		

ISC Event type se.
SNET Error ellipse: s-maj=36.3km s-min=55.1km az=-1.0.
IDC Error ellipse: s-maj=20.0km s-min=11.5km az=61.0.

NEIC Event type se. Error ellipse: s-maj=9.7km s-min=9.0km az=64.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SSNC Error ellipse: s-maj=74.3km s-min=92.1km az=-1.0.
JSN Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.

(203) Bismarck Sea

ISC VI 06 23 54 53.1–.29 3.30S–.04 148.73E–.05 10 5.0b,4.7s 528 6-147
BJI VI 06 23 54 49.8–.00 3.28S 149.15E 12 5.2b,5.0s **¶610666194**
IDC VI 06 23 54 51.0–.57 3.29S 148.80E 0 4.7,4.6s
MOS VI 06 23 54 51.8–.91 3.26S 148.59E 13 5.2b,4.6s
NEIC VI 06 23 54 54.9 3.28S 148.59E 26 5.2b,4.6s
NEIC VI 06 23 54 54.1 3.30S 148.68E 10 5.2b,4.6s
NEIC VI 06 23 54 54.9 3.28S 148.69E 26 5.2b,4.6s
NEIC VI 06 23 54 55.0–1.4 3.27S–.07 148.66E–.10 23–1 5.4,5.4
DJA VI 06 23 54 56.4–1.7 3S–4.0 149E–4.0 21–11 5.5b,5.3
GCMT VI 06 23 54 57.0–.10 3.21S–.01 148.73E–.01 14–0 5.4W,5.3
ISC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2^{s}6 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.33 $M_{\theta\theta}$1.29 $M_{\phi\phi}$-0.96 $M_{r\theta}$-0.33 $M_{\theta\phi}$0.93 $M_{\phi r}$1.06 NP1:ϕ_s209.97000°,δ68.71000° ,λ-153.67000°. NP2:ϕ_s109.78000°,δ65.59000°,λ-23.50000°. Principal axes: T 1.6282,Plg2.0000°,Azm339.0000°; N 0.3968,Plg57.0000°,Azm246.0000° ; P -2.0250,Plg33.0000°,Azm71.0000° $M_0$1.83000×10^{17}
NEIC Event type se.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.23 $M_{\theta\theta}$0.96 $M_{\phi\phi}$-1.20 $M_{r\theta}$0.08 $M_{\theta\phi}$0.69 $M_{\phi r}$-0.31 NP1:ϕ_s298.19000°,δ81.99000°,λ-6.93000°. NP2:ϕ_s29.16000°,δ83.14000° ,λ-171.93000°. Principal axes: T 1.1654,Plg1.0000°,Azm164.0000°; N 0.2916,Plg79.0000° ,Azm69.0000°; P -1.4570,Plg11.0000°,Azm254.0000° $M_0$1.34000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s116,c186; s142,c283;Duration: 1^{s}2 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.16±.02 $M_{\theta\theta}$1.11±.02; $M_{\phi\phi}$-0.94±.02; $M_{r\theta}$0.14±.03; $M_{\theta\phi}$0.90±.01; $M_{\phi r}$0.12±.03; Best double couple: NP1:ϕ_s24.00000°,δ88.00000°,λ173.00000°. NP2:ϕ_s115.00000°,δ83.00000°,λ2.00000°. Principal axes: T 1.4660,Plg6.0000° ,Azm339.0000°; N -0.1800,Plg83.0000°,Azm186.0000°; P -1.2870,Plg3.0000°,Azm70.0000° $M_0$1.37700×10^{17}

(268) Sulawesi

ISC VI 07 07 38 43.5–.39 1.34S–.04 120.39E–.05 23 4.6b,4.3s 94 2-130
IDC VI 07 07 38 39.5–.57 1.37S 120.43E 0 4.4,4.4b **¶610666236**
NEIC VI 07 07 38 42.0–2.6 1.32S–.06 120.41E–.07 10–1 4.7b,4.4b
DJA VI 07 07 38 41.7–.70 1S–2.0 120E–2.0 10–5 5.5b,5.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(738) Reykjanes Ridge

ISC VI 07 09 06 15.8–.53 57.10N–.04 33.90W–.03 15–3 5.1b,4.4s 900 7-151
BJI VI 07 09 06 12.2–.00 57.22N 34.25W 8 5.3b,5.2b **¶611834060**
IDC VI 07 09 06 12.8–.37 56.99N 33.83W 0 4.7,4.7b
MOS VI 07 09 06 13.1–.91 57.09N 33.88W 10 5.2b,4.3s
NEIC VI 07 09 06 15.1–1.6 57.13N–.05 34.0W–.10 10–1 5.1b,4.3s
GCMT VI 07 09 06 16.1–.20 57.13N–.01 33.67W–.02 12 5.2W,4.3s
DNK VI 07 09 06 20.9–5.1 57.65N 34.06W 8–85 5.6b,3.9L
BGR VI 07 09 06 20.9 57.36N 33.20W 20 5.0b,4.1s
ISC Event type ke.
IDC Error ellipse: s-maj=12.1km s-min=7.8km az=175.0.
MOS Error ellipse: s-maj=7.3km s-min=5.0km az=66.8.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=8.4km az=244.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s48,c60; s121,c212;Duration: 1^{s}0 Moment tensor: Scale 10^{16}Nm; M_{rr}-6.58±.15 $M_{\theta\theta}$1.35±.15; $M_{\phi\phi}$5.24±.12; $M_{r\theta}$0.30±.48; $M_{\theta\phi}$4.60±.11; $M_{\phi r}$-1.84±.41; Best double couple: NP1:ϕ_s21.00000°,δ52.00000°,λ-107.00000°. NP2:ϕ_s227.00000°,δ41.00000°,λ-70.00000°. Principal axes: T 8.4160,Plg5.0000° ,Azm123.0000°; N -1.4020,Plg13.0000°,Azm32.0000°; P -7.0040,Plg76.0000° ,Azm234.0000° $M_0$7.71000×10^{16}
DNK Error ellipse: s-maj=53.5km s-min=63.7km az=-1.0.
BGR Event type ke.

(197) Near north coast of Irian Jaya

ISC VI 08 06 44 12.6–.68 1.88S–.06 140.54E–.08 10 4.4b,3.3s 48 1-88
IDC VI 08 06 44 09.6–1.1 1.89S 140.81E 0 4.8L,4.3 **¶610791444**
NEIC VI 08 06 44 13.3–1.3 1.85S–.08 140.4E–.20 15–4 4.4b,4.3
DJA VI 08 06 44 13.6–2.3 2S–8.0 141E–8.0 16–13 5.5b,5.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(215) Mariana Islands region

ISC VI 08 23 23 46.8–.42 18.53N–.03 147.07E–.04 42–3 5.4b,5.0s 1443 5-156
BJI VI 08 23 23 39.2–.00 18.27N 147.09E 10 5.2b,5.2s **¶616640004**
DJA VI 08 23 23 41.8–.30 18N–4.0 147E–5.0 10 5.9b,5.8
KLM VI 08 23 23 41 18.41N 147.52E 10 5.6b,5.8
NEIC VI 08 23 23 43.8 18.50N 147.57E 20 5.6b,5.8
NEIC VI 08 23 23 43.7–1.1 18.50N–.04 147.10E–.07 17–3 5.5b,5.4
MOS VI 08 23 23 43.1–.79 18.46N 147.05E 28 5.6b,5.0s
NEIC VI 08 23 23 43.2 18.50N 147.05E 8 5.6b,5.0s
NEIC VI 08 23 23 43.8 18.50N 147.04E 20 5.6b,5.0s
GCMT VI 08 23 23 46.7–.10 18.55N–.01 147.31E–.01 23–0 5.4W,5.0s
IDC VI 08 23 23 48.5–.98 18.50N 147.03E 56–8 5.0s,5.0
ISC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2^{s}5 Moment tensor: Scale 10^{17}Nm; M_{rr}0.25 $M_{\theta\theta}$-1.01 $M_{\phi\phi}$0.76 $M_{r\theta}$-0.40 $M_{\theta\phi}$0.01 $M_{\phi r}$1.26 NP1:ϕ_s319.40000°,δ83.30000° ,λ127.60000°. NP2:ϕ_s58.02000°,δ38.11000°,λ10.90000°. Principal axes: T 1.8093,Plg40.0000°,Azm264.0000°; N -0.5606,Plg37.0000°,Azm134.0000° ; P -1.2487,Plg28.0000°,Azm20.0000° $M_0$1.53000×10^{17}
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=4.2km az=122.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.60 $M_{\theta\theta}$-0.96 $M_{\phi\phi}$0.36 $M_{r\theta}$-0.84 $M_{\theta\phi}$0.20 $M_{\phi r}$0.92 NP1:ϕ_s66.14000°,δ28.00000°,λ28.28000°. NP2:ϕ_s310.73000°,δ77.15000° ,λ115.09000°. Principal axes: T 1.5194,Plg51.0000°,Azm249.0000°; N -0.0055,Plg24.0000° ,Azm125.0000°; P -1.5139,Plg28.0000°,Azm21.0000° $M_0$1.52000×10^{17}
MOS Error ellipse: s-maj=6.4km s-min=3.8km az=114.3.
NEIC Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s108,c174; s148,c285;Duration: 1^{s}3 Moment tensor: Scale 10^{17}Nm; M_{rr}0.38±.02 $M_{\theta\theta}$-1.24±.02; $M_{\phi\phi}$0.85±.02; $M_{r\theta}$-0.91±.05; $M_{\theta\phi}$0.12±.01; $M_{\phi r}$0.97±.05; Best double couple: NP1:ϕ_s312.00000°,δ82.00000°,λ127.00000°. NP2:ϕ_s53.00000°,δ38.00000°,λ13.00000°. Principal axes: T 1.7010,Plg41.0000° ,Azm257.0000°; N 0.0550,Plg37.0000°,Azm127.0000°; P -1.7570,Plg28.0000°,Azm14.0000° $M_0$1.72900×10^{17}
IDC Error ellipse: s-maj=8.5km s-min=6.1km az=85.0.

(259) Mindanao

ISC VI 09 12 58 24.3–.46 5.50N–.02 125.20E–.03 32–3 5.1b,4.2s 793 1-163
BJI VI 09 12 58 16.5–.00 5.14N 125.42E 10 4.9b,4.7b **¶610668998**
NEIC VI 09 12 58 22.4–2.0 5.53N–.05 125.17E–.07 14–2 5.2b,4.7b
MOS VI 09 12 58 22.5–.95 5.61N 125.11E 33 5.1b,4.3s
MAN VI 09 12 58 23.2 5.48N 125.15E 23 5.8b,5.2s
GCMT VI 09 12 58 26.4–.30 5.66N–.02 125.25E–.02 34–0 5.0W,5.2s
DJA VI 09 12 58 27.3–.30 6N–2.0 125E–2.0 56–3 5.4b,5.4
IDC VI 09 12 58 29.7–.98 5.61N 125.24E 86–8 4.6,4.3b
ISC Event type fe.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=7.4km az=95.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=10.7km s-min=5.2km az=117.3.
MAN Event type fe. INTENSITY III - SARANGANI DAVAO OCCIDENTAL; INTENSITY II - GENERAL SANTOS CITY; GLAN SARANGANI.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s61,c69; s73,c95;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}4.34±.19 $M_{\theta\theta}$-0.23±.11; $M_{\phi\phi}$-4.12±.12; $M_{r\theta}$-0.60±.14; $M_{\theta\phi}$-0.75±.10; $M_{\phi r}$-0.58±.15; Best double couple: NP1:ϕ_s197.00000°,δ50.00000°,λ98.00000°. NP2:ϕ_s5.00000°,δ41.00000°,λ81.00000°. Principal axes: T 4.4450,Plg82.0000° ,Azm154.0000°; N -0.1420,Plg6.0000°,Azm12.0000°; P -4.3130,Plg5.0000°,Azm281.0000° $M_0$4.37900×10^{16}
IDC Error ellipse: s-maj=14.1km s-min=7.6km az=81.0.

(279) Flores Sea

ISC VI 09 15 54 19.7–1.2 6.30S–.07 121.87E–.07 10 16 1-63
IDC VI 09 15 54 15.3–1.8 5.65S 122.40E 0 3.3,3.2L **¶610791547**
DJA VI 09 15 54 21.0–1.8 6S–3.0 122E–3.0 22–17 5.7b,5.2
ISC Event type ke.

(691) Pacific-Antarctic Ridge

ISC VI 10 05 42 13.9–.18 54.29S–.06 146.58W–.04 10 5.6b,5.3s 1105 22-178
MOS VI 10 05 42 12.5–.82 54.35S 146.67W 10 5.8b,5.3s **¶615092695**
IDC VI 10 05 42 12.0–.27 54.22S 146.78W 0 5.1s,5.1
NEIC VI 10 05 42 14.5–.93 54.30S–.10 146.6W–.20 10–0 5.7b,5.6
NEIC VI 10 05 42 14.5 54.53S 147.32W 18 5.7b,5.6
NEIC VI 10 05 42 14.5 54.33S 146.63W 18 5.7b,5.6
BJI VI 10 05 42 15.0–.00 54.40S 146.70W 25 5.9b,5.5s
GCMT VI 10 05 42 16.5–.10 54.44S–.01 146.90W–.01 12 5.6W,5.5s
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution.Duration: 3^{s}9 Moment tensor: Scale 10^{17}Nm; M_{rr}3.05 $M_{\theta\theta}$-0.04 $M_{\phi\phi}$-3.02 $M_{r\theta}$-1.65 $M_{\theta\phi}$-0.97 $M_{\phi r}$-0.93 NP1:ϕ_s216.34000°,δ59.89000° ,λ111.72000°. NP2:ϕ_s357.90000°,δ36.52000°,λ57.46000°. Principal axes: T 3.8004,Plg67.0000°,Azm169.0000°; N -0.1968,Plg19.0000°,Azm25.0000° ; P -3.6036,Plg12.0000°,Azm291.0000° $M_0$3.70000×10^{17}
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s132,c244; s145,c278;Duration: 1^{s}6 Moment tensor: Scale 10^{17}Nm; M_{rr}3.23±.03 $M_{\theta\theta}$-0.73±.04; $M_{\phi\phi}$-2.50±.03; $M_{r\theta}$-0.33±.09; $M_{\theta\phi}$-1.28±.03; $M_{\phi r}$-0.60±.08; Best double couple: NP1:ϕ_s208.00000°,δ51.00000°,λ90.00000°. NP2:ϕ_s27.00000°,δ39.00000°,λ90.00000°. Principal axes: T 3.3030,Plg84.0000° ,Azm120.0000°; N -0.0620,Plg0.0000°,Azm28.0000°; P -3.2450,Plg6.0000°,Azm298.0000° $M_0$3.27400×10^{17}

(266) Northern Molucca Sea

ISC VI 11 07 17 31.0–1.2 1.5N–.20 127.0E–.10 35 3.4b 6 1-60
IDC VI 11 07 17 25.2–2.0 1.03N 126.11E 0 3.6,3.6b **¶610791642**
DJA VI 11 07 17 32.7–1.3 2N–7.0 127E–5.0 32–25 6.0b,5.6
ISC Event type ke.

(282) South of Jawa

ISC VI 11 23 15 12.3–.35 8.12S–.03 106.37E–.03 58–2 5.7b,5.0s 1609 1-177
BJI VI 11 23 15 04.7–.00 8.72S 106.46E 45 5.8b,5.4b **¶611834089**
NEIC VI 11 23 15 06.2 8.71S 106.17E 40 5.8b,5.4b
NEIC VI 11 23 15 06.2–3.0 8.32S–.04 106.26E–.02 7–1 5.8b,5.7
NEIC VI 11 23 15 06.6 8.30S 106.27E 10 5.8b,5.7
NEIC VI 11 23 15 06.2 8.31S 106.27E 40 5.8b,5.7
KLM VI 11 23 15 08 8.46S 105.99E 61 6.0b,5.7
MOS VI 11 23 15 09.8–.90 7.83S 106.58E 37 6.1b,4.9s
DJA VI 11 23 15 10.6–2.0 8S–2.0 106E–1.0 45–2 6.2,6.1b
GCMT VI 11 23 15 13.2–.10 8.32S–.01 106.27E–.01 38–0 5.7W,6.1b
IDC VI 11 23 15 15.6–1.2 8.09S 106.49E 80–10 5.6,5.3b
ISC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 3^{s}5 Moment tensor: Scale 10^{17}Nm; M_{rr}0.88 $M_{\theta\theta}$0.61 $M_{\phi\phi}$-1.50 $M_{r\theta}$1.49 $M_{\theta\phi}$-3.18 $M_{\phi r}$-1.08 NP1:ϕ_s175.10000°,δ68.98000° ,λ22.67000°. NP2:ϕ_s76.58000°,δ68.92000°,λ157.39000°. Principal axes: T 3.9982,Plg31.0000°,Azm36.0000°; N -0.2030,Plg59.0000°,Azm216.0000° ; P -3.7952,Plg0.0000°,Azm306.0000° $M_0$3.90000×10^{17}
NEIC Event type se. Error ellipse: s-maj=7.2km s-min=3.6km az=201.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.27 $M_{\theta\theta}$1.97 $M_{\phi\phi}$-2.24 $M_{r\theta}$0.91 $M_{\theta\phi}$-3.67 $M_{\phi r}$-0.76 NP1:ϕ_s74.04000°,δ77.12000°,λ170.50000°. NP2:ϕ_s166.18000°,δ80.74000° ,λ13.06000°. Principal axes: T 4.4278,Plg16.0000°,Azm30.0000°; N -0.0501,Plg74.0000° ,Azm201.0000°; P -4.3777,Plg3.0000°,Azm300.0000° $M_0$4.40000×10^{17}
NEIC Event type se.
NEIC Event type se.
MOS Error ellipse: s-maj=7.7km s-min=4.0km az=114.4.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s132,c249; s147,c300;Duration: 1^{s}8 Moment tensor: Scale 10^{17}Nm; M_{rr}1.48±.05 $M_{\theta\theta}$0.50±.04; $M_{\phi\phi}$-1.98±.05; $M_{r\theta}$1.56±.06; $M_{\theta\phi}$-3.62±.03; $M_{\phi r}$-1.71±.06; Best double couple: NP1:ϕ_s176.00000°,δ70.00000°,λ30.00000°. NP2:ϕ_s75.00000°,δ62.00000°,λ157.00000°. Principal axes: T 4.6920,Plg35.0000° ,Azm38.0000°; N -0.0840,Plg54.0000°,Azm207.0000°; P -4.6110,Plg5.0000°,Azm304.0000° $M_0$4.65100×10^{17}
IDC Error ellipse: s-maj=10.8km s-min=8.3km az=85.0.

(135) Near coast of central Chile

ISC VI 12 02 43 26.5–.50 31.51S–.01 71.71W–.03 28–3 5.7b,5.3s 1611 1-177
IDC VI 12 02 43 22.7–.38 31.51S 71.61W 0 5.3s,5.3b **¶611834102**
SJA VI 12 02 43 22.3–.68 31.49S 71.99W 10–3 5.9L,5.5W
NEIC VI 12 02 43 25.5 31.49S 71.81W 18 5.9L,5.5W
NEIC VI 12 02 43 25.5 31.49S 71.81W 18 5.9L,5.5W
MOS VI 12 02 43 26.7–1.1 31.46S 71.58W 33 5.9b,5.4s
VAO VI 12 02 43 26.1–.24 31.50S 71.63W 26 5.8b,5.4s
NEIC VI 12 02 43 26.9 31.80S 71.87W 46 5.8b,5.4s
NEIC VI 12 02 43 26.9 31.50S 71.75W 46 5.8b,5.4s
NEIC VI 12 02 43 26.8–1.9 31.500S–.01 71.76W–.06 27–1 5.7,5.7
GUC VI 12 02 43 27.4–.84 31.52S 71.67W 27–3 5.8L,5.7
GCMT VI 12 02 43 31.8–.10 31.49S–.01 71.87W–.01 34–0 5.7W,5.7
ISC Event type se.
NEIC Event type se.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 3^{s}4 Moment tensor: Scale 10^{17}Nm; M_{rr}3.92 $M_{\theta\theta}$0.09 $M_{\phi\phi}$-4.01 $M_{r\theta}$0.06 $M_{\theta\phi}$0.78 $M_{\phi r}$-1.90 NP1:ϕ_s173.42000°,δ57.61000° ,λ94.25000°. NP2:ϕ_s345.52000°,δ32.64000°,λ83.33000°. Principal axes: T 4.3542,Plg77.0000°,Azm97.0000°; N 0.2197,Plg4.0000°,Azm351.0000° ; P -4.5740,Plg13.0000°,Azm260.0000° $M_0$4.46000×10^{17}
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.84 $M_{\theta\theta}$0.04 $M_{\phi\phi}$-1.87 $M_{r\theta}$0.43 $M_{\theta\phi}$0.07 $M_{\phi r}$-1.28 NP1:ϕ_s168.30000°,δ63.11000°,λ81.03000°. NP2:ϕ_s7.54000°,δ28.24000° ,λ107.10000°. Principal axes: T 2.3026,Plg71.0000°,Azm59.0000°; N -0.0175,Plg8.0000° ,Azm172.0000°; P -2.2850,Plg18.0000°,Azm265.0000° $M_0$2.29000×10^{17} Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}2.89 $M_{\theta\theta}$1.34 $M_{\phi\phi}$-4.23 $M_{r\theta}$0.05 $M_{\theta\phi}$-0.03 $M_{\phi r}$-1.52 NP1:ϕ_s178.66000°,δ56.61000°,λ87.95000°. NP2:ϕ_s2.39000°,δ33.45000° ,λ93.11000°. Principal axes: T 3.2018,Plg78.0000°,Azm81.0000°; N 1.3385,Plg2.0000° ,Azm180.0000°; P -4.5403,Plg12.0000°,Azm270.0000° $M_0$4.04000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s138,c254; s138,c251;Duration: 1^{s}8 Moment tensor: Scale 10^{17}Nm; M_{rr}3.83±.05 $M_{\theta\theta}$0.37±.04; $M_{\phi\phi}$-4.19±.04; $M_{r\theta}$0.44±.05; $M_{\theta\phi}$0.05±.03; $M_{\phi r}$-3.20±.08; Best double couple: NP1:ϕ_s175.00000°,δ64.00000°,λ86.00000°. NP2:ϕ_s5.00000°,δ26.00000°,λ99.00000°. Principal axes: T 4.9850,Plg70.0000°,Azm75.0000° ; N 0.3410,Plg4.0000°,Azm177.0000°; P -5.3170,Plg19.0000°,Azm268.0000° $M_0$5.15100×10^{17}

(263) Talaud Islands

ISC VI 12 04 30 37.0–.28 3.65N–.03 126.66E–.04 55–2 5.3b,4.5s 982 1-169
MOS VI 12 04 30 33.5–.94 3.70N 126.59E 40 5.6b,4.5s **¶610669811**
IDC VI 12 04 30 35.3–1.6 3.72N 126.61E 41–14 5.0,4.8b
BJI VI 12 04 30 35.2–.00 3.64N 126.59E 58 5.3b,5.2b
NEIC VI 12 04 30 36.7–1.8 3.69N–.06 126.78E–.08 57–6 5.4b,5.2b
GCMT VI 12 04 30 36.7–.20 3.78N–.01 126.81E–.01 30–0 5.3W,5.2b
DJA VI 12 04 30 37.3–.40 4N–3.0 127E–2.0 56–4 5.7b,5.3
KLM VI 12 04 30 37 3.66N 126.90E 86 5.2b,5.3
ISC Event type se.
MOS Error ellipse: s-maj=7.8km s-min=4.2km az=112.0.
IDC Error ellipse: s-maj=15.5km s-min=8.4km az=80.0.
NEIC Event type se. Error ellipse: s-maj=11.4km s-min=8.4km az=69.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s109,c151; s109,c174;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; Mrr0.94±.02 Mθθ0.05±.01; Mϕϕ-0.98±.02; Mrθ-0.03±.02; Mrϕ-0.20±.01; Mθϕ0.22±.02; Best double couple: NP1:ϕs6.00000°,δ51.00000°,λ84.00000°. NP2:ϕs195.00000°,δ39.00000°,λ97.00000°. Principal axes: T 0.9690,Plg82.0000° ,Azm242.0000°; N 0.0780,Plg5.0000°,Azm10.0000°; P -1.0470,Plg6.0000°,Azm100.0000° M0 1.00800×10^{17}

(365) Aegean Sea

ISC VI 12 12 28 38.7–.38 38.89N–.01 26.34E–.01 10–2 6.3s,6.0b 3577 0-158
IDC VI 12 12 28 36.5–.29 38.89N 26.41E 0 6.1s,5.6b **¶615348170**
BGR VI 12 12 28 36.4 38.86N 25.82E 10 5.9s,5.9b
DDA VI 12 12 28 37.8–.00 38.85N 26.31E 16–1 6.2W,5.9b
MED_R VI 12 12 28 37.0–.10 38.87N 26.45E 11–0 6.4W,5.9b
MCSM VI 12 12 28 37.4–.70 39N–5.0 26E–5.0 9–3 6.2b,5.9b
PDG VI 12 12 28 37.7–.67 38.85N 26.32E 15–1 6.4,6.3L
MOS VI 12 12 28 37.1–.92 38.88N 26.38E 14 6.4s,6.2b
ISK VI 12 12 28 37.5 38.85N 26.33E 14–0 6.3L,6.2b
THE VI 12 12 28 38.7 38.85N 26.31E 8–0 6.1L,6.2b
NEIC VI 12 12 28 38.2 38.92N 26.36E 6 6.1L,6.2b
ATH VI 12 12 28 38.3 38.84N 26.36E 12–1 6.1L,6.2b
NEIC VI 12 12 28 38.2 38.92N 26.36E 6 6.1L,6.2b
NEIC VI 12 12 28 38.9 38.93N 26.36E 12 6.1L,6.2b
BJI VI 12 12 28 38.1–.00 38.90N 26.20E 10 6.5s,6.4b
NEIC VI 12 12 28 38.9 38.93N 26.36E 12 6.5s,6.4b
NEIC VI 12 12 28 39.1–1.5 38.93N–.05 26.37E–.06 12–1 6.3,6.3
GCMT VI 12 12 28 41.2–.00 38.81N 26.32E 12 6.4W,6.3
SOF VI 12 12 28 41.8 39.21N 26.50E 9 6.3,6.3
CFUSG VI 12 12 28 41.3 39.95N 26.72E 12 6.3,6.3
NAO VI 12 12 28 44.0 39.86N 28.65E 33 6.3b,6.3

ISC Event type ke.
IDC Error ellipse: s-maj=7.9km s-min=7.1km az=36.0.
BGR Event type ke.
MED_R Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. Body waves: s9,c11; Mantle waves: s36,c65;Duration: 3s8 Moment tensor: Scale 10^{18}Nm; Mrr-4.40±.08 Mθθ4.32±.05; Mϕϕ0.09±.05; Mrθ-0.44±.18; Mrϕ-1.55±.05; Mθϕ-0.02±.23; Best double couple: NP1:ϕs106.00000°,δ48.00000°,λ-93.00000°. NP2:ϕs290.00000°,δ42.00000°,λ-87.00000°. Principal axes: T 4.8500,Plg3.0000°,Azm198.0000°; N -0.4200,Plg2.0000°,Azm108.0000° ; P -4.4200,Plg87.0000°,Azm338.0000° M0 4.64000×10^{18}
PDG Event type ke. Error ellipse: s-maj=0.4km s-min=1.1km az=0.0.
MOS Error ellipse: s-maj=3.7km s-min=2.3km az=89.7.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=0.8km s-min=0.3km az=19.0.
NEIC Event type se.
ATH Event type ke. Error ellipse: s-maj=1.3km s-min=0.6km az=286.0. ML Amplitudes are expressed in micrometers.
NEIC Event type se.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 7s4 Moment tensor: Scale 10^{18}Nm; Mrr-3.61 Mθθ3.31 Mϕϕ0.31 Mrθ-1.40 Mrϕ-0.96 Mθϕ0.96 NP1:ϕs113.77000°,δ57.49000° ,λ-82.05000°. NP2:ϕs279.21000°,δ33.37000°,λ-102.24000°. Principal axes: T 3.9359,Plg12.0000°,Azm198.0000°; N 0.0871,Plg7.0000°,Azm289.0000° ; P -4.0230,Plg76.0000°,Azm48.0000° M0 3.98000×10^{18}
NEIC Event type se. Error ellipse: s-maj=8.6km s-min=7.6km az=218.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; Mrr-2.92 Mθθ2.67 Mϕϕ0.25 Mrθ0.40 Mrϕ-0.92 Mθϕ0.25 NP1:ϕs281.46000°,δ48.37000°,λ-99.58000°. NP2:ϕs115.71000°,δ42.52000° ,λ-79.39000°. Principal axes: T 2.9998,Plg3.0000°,Azm18.0000°; N -0.0169,Plg7.0000° ,Azm288.0000°; P -2.9829,Plg82.0000°,Azm130.0000° M0 2.99000×10^{18} Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; Mrr-2.20 Mθθ2.40 Mϕϕ-0.20 Mrθ0.73 Mrϕ-1.55 Mθϕ0.31 NP1:ϕs276.27000°,δ53.93000°,λ-115.66000°. NP2:ϕs135.48000°,δ43.23000° ,λ-59.27000°. Principal axes: T 3.1702,Plg6.0000°,Azm24.0000°; N -0.6959,Plg20.0000° ,Azm292.0000°; P -2.4743,Plg69.0000°,Azm129.0000° M0 2.89000×10^{18}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s156,c367; s165,c695; Duration: 3s7 Moment tensor: Scale 10^{18}Nm; Mrr-4.10±.01 Mθθ4.03±.02; Mϕϕ0.07±.01; Mrθ-0.19±.04; Mrϕ-1.43±.01; Mθϕ0.21±.04; Best double couple: NP1:ϕs110.00000°,δ47.00000° ,λ-87.00000°. NP2:ϕs286.00000°,δ43.00000°,λ-93.00000°. Principal axes: T 4.5000,Plg2.0000°,Azm198.0000°; N -0.3800,Plg2.0000°,Azm288.0000° ; P -4.1130,Plg87.0000°,Azm72.0000° M0 4.30600×10^{18}
CFUSG Western Turkey. Magtype MSH 4.5 from 6 stations.

(280) Banda Sea

ISC VI 12 15 46 47.1–.34 5.66S–.03 129.71E–.04 34–1 4.9b,4.2s 476 1-152
BJI VI 12 15 46 41.7–.00 6.06S 129.93E 37 5.1b,4.8b **¶610670985**
IDC VI 12 15 46 42.1–.48 5.60S 129.74E 0 4.7,4.6b
MOS VI 12 15 46 43.3–.74 5.62S 129.69E 23 5.0b,4.6b
DJA VI 12 15 46 46.7–.30 6S–2.0 130E–1.0 36–4 5.6b,5.5
KLM VI 12 15 46 46 5.54S 129.98E 41 5.4b,5.5
GCMT VI 12 15 46 46.7–.20 5.59S–.01 129.72E–.01 21–1 5.2W,5.5
NEIC VI 12 15 46 47.7–.95 5.60S–.03 129.68E–.06 37–7 5.0b,5.5

ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s33,c36; s102,c147;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr-2.29±.38 Mθθ-2.71±.23; Mϕϕ5.00±.29; Mrθ-0.09±.42; Mrϕ5.53±.17; Mθϕ2.22±.46; Best double couple: NP1:ϕs166.00000°,δ85.00000°,λ-160.00000°. NP2:ϕs72.00000°,δ70.00000°,λ-6.00000°. Principal axes: T 8.2410,Plg10.0000° ,Azm297.0000°; N -2.2840,Plg69.0000°,Azm178.0000°; P -5.9570,Plg18.0000° ,Azm30.0000° M0 7.09900×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(186) Vanuatu Islands

ISC VI 14 00 25 43.4–.41 17.88S–.05 169.16E–.04 19–1 5.5b,5.5s 526 5-167
NEIC VI 14 00 25 37.9 17.91S 169.15E 12 5.5b,5.5s **¶610791814**
NEIC VI 14 00 25 37.9 18.31S 168.73E 12 5.5b,5.5s
NEIC VI 14 00 25 37.2–2.0 18.33S–.07 168.73E–.09 14–3 5.8,5.7b
NEIC VI 14 00 25 38.1 18.29S 168.74E 18 5.8,5.7b
MOS VI 14 00 25 39.0–2.4 18.27S 168.47E 33 5.6b,5.3s
IDC VI 14 00 25 40.6–.38 17.78S 169.05E 0 5.5L,5.4s
GCMT VI 14 00 25 47.2–.10 17.81S 169.23E 13–0 5.8W,5.4s

ISC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 4s6 Moment tensor: Scale 10^{17}Nm; Mrr-1.65 Mθθ0.06 Mϕϕ1.59 Mrθ0.56 Mrϕ-5.25 Mθϕ1.51 NP1:ϕs181.64000°,δ78.36000° ,λ-20.53000°. NP2:ϕs275.96000°,δ69.91000°,λ-167.60000°. Principal axes: T 6.2106,Plg6.0000°,Azm230.0000°; N -1.1352,Plg67.0000°,Azm333.0000° ; P -5.0754,Plg23.0000°,Azm138.0000° M0 5.64000×10^{17}
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.5km s-min=10.3km az=90.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; Mrr-0.06 Mθθ-1.29 Mϕϕ1.35 Mrθ1.17 Mrϕ-2.91 Mθϕ-0.34 NP1:ϕs102.19000°,δ89.39000°,λ159.16000°. NP2:ϕs192.43000° ,δ69.16000°,λ0.65000°. Principal axes: T 3.4713,Plg15.0000°,Azm55.0000° ; N -0.1062,Plg69.0000°,Azm281.0000°; P -3.3651,Plg14.0000°,Azm149.0000° M0 3.42000×10^{17}
NEIC Event type se.
MOS Error ellipse: s-maj=8.7km s-min=7.7km az=38.5.
IDC Error ellipse: s-maj=13.1km s-min=12.1km az=112.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s152,c305; s165,c493; Duration: 1s9 Moment tensor: Scale 10^{17}Nm; Mrr-0.56±.04 Mθθ-1.08±.04; Mϕϕ1.64±.04; Mrθ0.95±.10; Mrϕ-5.36±.04; Mθϕ0.51±.09; Best double couple: NP1:ϕs278.00000°,δ83.00000° ,λ-170.00000°. NP2:ϕs186.00000°,δ80.00000°,λ-7.00000°. Principal axes: T 5.8150,Plg2.0000°,Azm52.0000°; N -0.3330,Plg78.0000°,Azm314.0000° ; P -5.4780,Plg12.0000°,Azm142.0000° M0 5.64600×10^{17}

(63) Off coast of Mexico

ISC VI 14 06 38 47.1–.26 14.12N–.03 93.19W–.03 10 5.3s,5.2b 1300 1-159
BGR VI 14 06 38 13.9 7.47N 98.16W 33 5.6b,5.3s **¶610673025**
IDC VI 14 06 38 43.9–.50 14.10N 93.12W 0 5.1s,4.7
MOS VI 14 06 38 46.9–1.2 14.17N 93.10W 23 5.3b,5.3s
NEIC VI 14 06 38 47.1–2.6 14.16N–.05 93.27W–.03 10–1 5.6,5.5
MEX VI 14 06 38 47.6–1.2 13.98N 93.33W 10 5.6,5.5
GCMT VI 14 06 38 50.1–.10 14.11N–.01 93.52W–.01 12 5.6W,5.5
NEIC VI 14 06 38 51 14.23N 93.21W 12 5.6W,5.5
NEIC VI 14 06 38 51 14.23N 93.11W 12 5.6W,5.5
GCG VI 14 06 38 52.4–.87 14.41N 93.04W 41 4.8,5.5

ISC Event type ke.
BGR Event type ke.
IDC Error ellipse: s-maj=15.5km s-min=9.3km az=52.0.
MOS Error ellipse: s-maj=9.4km s-min=5.9km az=99.1.
NEIC Event type se. Error ellipse: s-maj=8.8km s-min=4.8km az=170.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Error ellipse: s-maj=10.9km s-min=6.8km az=-1.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s129,c214; s146,c302;Duration: 1s5 Moment tensor: Scale 10^{17}Nm; Mrr2.07±.02 Mθθ-1.38±.02; Mϕϕ-0.68±.02; Mrθ1.41±.06; Mrϕ0.69±.02; Mθϕ-1.41±.07; Best double couple: NP1:ϕs131.00000°,δ68.00000°,λ96.00000°. NP2:ϕs296.00000°,δ23.00000°,λ76.00000°. Principal axes: T 2.9300,Plg67.0000° ,Azm51.0000°; N -0.2990,Plg5.0000°,Azm309.0000°; P -2.6270,Plg23.0000°,Azm216.0000° M0 2.77900×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 3s3 Moment tensor: Scale 10^{17}Nm; Mrr2.06 Mθθ-1.42 Mϕϕ-0.64 Mrθ1.00 Mrϕ0.66 Mθϕ-0.55 NP1:ϕs119.12000°,δ60.32000° ,λ89.60000°. NP2:ϕs299.93000°,δ29.68000°,λ90.71000°. Principal axes: T 2.3708,Plg75.0000°,Azm28.0000°; N -0.2658,Plg0.0000°,Azm119.0000° ; P -2.1050,Plg15.0000°,Azm209.0000° M0 2.24000×10^{17}
NEIC Event type se.
GCG Error ellipse: s-maj=65.7km s-min=740.3km az=-1.0.

(69) Near coast of Chiapas

ISC VI 14 07 23 52.5–.70 14.22N–.05 93.06W–.05 28–4 5.1b 886 1-159
IDC VI 14 07 23 47.4–.44 14.15N 92.96W 0 4.7,4.7b **¶610673028**
MOS VI 14 07 23 50.1–1.4 14.21N 93.01W 25 5.3b,4.7b
NEIC VI 14 07 23 51.5–3.1 14.29N–.05 93.10W–.06 10–1 5.4,5.2b
BGR VI 14 07 23 51.9 13.19N 92.64W 33 5.3b,5.2b
BJI VI 14 07 23 55.0–.00 14.30N 93.00W 38 5.6b,5.2b
NEIC VI 14 07 23 55.9 14.27N 93.01W 26 5.6b,5.2b
NEIC VI 14 07 23 55.9 13.87N 93.63W 26 5.6b,5.2b
GCG VI 14 07 23 58.2–1.1 14.53N 92.86W 41 4.8,5.2b

ISC Event type ke.
IDC Error ellipse: s-maj=19.5km s-min=8.8km az=59.0.
MOS Error ellipse: s-maj=10.3km s-min=5.9km az=104.9.
NEIC Event type se. Error ellipse: s-maj=12.3km s-min=5.2km az=230.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BGR Event type ke.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2s3 Moment tensor: Scale 10^{17}Nm; Mrr0.92 Mθθ-0.62 Mϕϕ-0.31 Mrθ0.80 Mrϕ0.40 Mθϕ-0.91 NP1:ϕs135.59000°,δ71.85000° ,λ96.72000°. NP2:ϕs294.88000°,δ19.32000°,λ70.36000°. Principal axes: T 1.5492,Plg63.0000°,Azm56.0000°; N -0.0702,Plg6.0000°,Azm313.0000° ; P -1.4790,Plg27.0000°,Azm220.0000° M0 1.51000×10^{17}
GCG Error ellipse: s-maj=38.8km s-min=634.9km az=-1.0.

(66) Near coast of Oaxaca

ISC VI 14 23 58 48.6–.57 15.15N–.03 97.29W–.02 3–3 5.5b,5.1s 2012 1-158
IDC VI 14 23 58 48.6–.41 15.15N 97.05W 0 5.1,5.0b **¶612757070**
MOS VI 14 23 58 49.8–.95 15.23N 97.12W 16 5.7b,5.0s
NEIC VI 14 23 58 51.7 15.33N 96.89W 16 5.7b,5.0s
NEIC VI 14 23 58 51.7 15.33N 97.10W 16 5.7b,5.0s
MEX VI 14 23 58 52.7–.91 15.18N 97.41W 16–465 5.0,5.0s
NEIC VI 14 23 58 52.0–2.1 15.32N–.05 97.18W–.04 14–3 5.6b,5.5
GCMT VI 14 23 58 53.0–.10 15.33N–.01 97.13W–.01 13–0 5.5W,5.5
BGR VI 14 23 59 02.1 16.27N 96.05W 33 5.3b,5.0s

ISC Event type ke.
IDC Error ellipse: s-maj=15.4km s-min=9.5km az=56.0.
MOS Error ellipse: s-maj=7.2km s-min=4.2km az=98.3.
NEIC Event type se. Moment Tensor Solution.Duration: 3s1 Moment tensor: Scale 10^{17}Nm; Mrr-2.54 Mθθ2.26 Mϕϕ0.28 Mrθ-0.58 Mrϕ0.76 Mθϕ-0.34 NP1:ϕs68.35000°,δ52.37000° ,λ-93.60000°. NP2:ϕs254.24000°,δ37.78000°,λ-85.34000°. Principal axes: T 2.6025,Plg7.0000°,Azm161.0000°; N 0.0282,Plg3.0000°,Azm71.0000° ; P -2.6306,Plg82.0000°,Azm319.0000° M0 2.62000×10^{17}
NEIC Event type se.
MEX Error ellipse: s-maj=15.0km s-min=5.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=6.8km s-min=6.1km az=208.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s127,c229; s146,c313;Duration: 1s4 Moment tensor: Scale 10^{17}Nm; Mrr-2.36±.03 Mθθ2.36±.03; Mϕϕ0.00±.03; Mrθ0.34±.06; Mrϕ0.66±.02; Mθϕ-0.54±.07; Best double couple: NP1:ϕs269.00000°,δ49.00000°,λ-71.00000°. NP2:ϕs61.00000°,δ45.00000°,λ-111.00000°. Principal axes: T 2.5410,Plg2.0000° ,Azm346.0000°; N -0.0210,Plg14.0000°,Azm76.0000°; P -2.5250,Plg75.0000° ,Azm247.0000° M0 2.53300×10^{17}
BGR Event type ke.

(178) Kermadec Islands

ISC VI 15 00 26 16.8–.33 30.62S–.03 177.94W–.04 35–1 5.7b,5.6s 1836 1-177
BJI VI 15 00 26 13.0–.00 30.30S 177.50W 25 6.0b,5.7s **¶611834120**
MOS VI 15 00 26 15.2–.93 30.47S 178.19W 29 5.9b,5.7s
NEIC VI 15 00 26 17.2 30.65S 177.95W 50 5.9b,5.7s
NEIC VI 15 00 26 17.2 30.55S 178.07W 50 5.9b,5.7s
NEIC VI 15 00 26 17.6–1.2 30.52S–.05 178.06W–.10 34–1 6.0,5.9
IDC VI 15 00 26 18.7–1.2 30.49S 178.03W 47–9 5.4s,5.4
NEIC VI 15 00 26 18.5 30.53S 178.09W 40 5.4s,5.4
GCMT VI 15 00 26 21.5–.10 30.62S–.01 177.84W 50–0 6.0W,5.4
NOU VI 15 00 26 21.4 30.82S 177.68W 77 5.8L,5.4

ISC Event type se.
MOS Error ellipse: s-maj=8.5km s-min=6.7km az=95.1.
NEIC Event type se. Moment Tensor Solution.Duration: 4s9 Moment tensor: Scale 10^{18}Nm; Mrr1.17 Mθθ-0.11 Mϕϕ-1.07 Mrθ0.18 Mrϕ-0.31 Mθϕ0.44 NP1:ϕs18.76000°,δ56.00000° ,λ92.43000°. NP2:ϕs194.42000°,δ34.07000°,λ86.40000°. Principal axes: T 1.2673,Plg79.0000°,Azm298.0000°; N -0.0152,Plg2.0000°,Azm197.0000° ; P -1.2520,Plg11.0000°,Azm107.0000° M0 1.26000×10^{18}
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.8km s-min=8.3km az=105.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; Mrr7.73 Mθθ-2.85 Mϕϕ-4.87 Mrθ0.78 Mθϕ-3.47 Mrϕ1.94 NP1:ϕs220.56000°,δ37.67000°,λ95.89000°. NP2:ϕs33.13000°,δ52.56000° ,λ85.47000°. Principal axes: T 8.0267,Plg82.0000°,Azm280.0000°; N -0.2818,Plg4.0000° ,Azm36.0000°; P -7.7449,Plg7.0000°,Azm126.0000° M0 7.89000×10^{17}
IDC Error ellipse: s-maj=12.4km s-min=9.4km az=94.0.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s163,c376; s162,c519; Duration: 2s4 Moment tensor: Scale 10^{18}Nm; Mrr1.09±.01 Mθθ-0.08±.01; Mϕϕ-1.01±.01; Mrθ0.09±.01; Mrϕ-0.31±.01; Mθϕ0.49±.01; Best double couple: NP1:ϕs14.00000°,δ57.00000° ,λ87.00000°. NP2:ϕs200.00000°,δ33.00000°,λ95.00000°. Principal axes: T 1.1980,Plg78.0000°,Azm275.0000°; N 0.0120,Plg2.0000°,Azm16.0000° ; P -1.2120,Plg12.0000°,Azm106.0000° M0 1.20500×10^{18}
NOU Kermadec Islands, New Zealand.

(248) Philippine Islands region

ISC VI 15 19 16 46.8–.65 12.91N–.03 119.18E–.04 29–4 4.5b,3.8s 326 1-121
IDC VI 15 19 16 42.4–.75 12.90N 119.25E 0 4.1,4.0b **¶610675386**
BJI VI 15 19 16 42.5–.00 12.60N 119.02E 9 4.7b,4.3b
MAN VI 15 19 16 46.4 12.99N 119.30E 109 5.5b,4.7s
NEIC VI 15 19 16 48.6–1.9 12.87N–.05 119.3E–.10 37–8 4.6b,4.7s

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

(221) Kuril Islands

ISC VI 16 09 09 14.8–.88 44.55N–.05 148.61E–.06 58–7 4.3b,3.5s 288 1-142
MOS VI 16 09 09 13.8–1.1 44.58N 148.59E 60 4.5b,3.5s **¶610677959**
NIED VI 16 09 09 14.4 44.19N 148.35E 0 4.1W,3.5s

JMA VI 16 09 09 14.4–.48 44N–2.0 148E–3.0 0 5.0,3.5s
SKHL VI 16 09 09 14.8–.20 44.60N 148.60E 67–4 5.6b,3.5s
NEIC VI 16 09 09 17.1–1.4 44.66N–.05 148.4E–.10 69–6 4.3b,3.5s
IDC VI 16 09 09 17.7–2.1 44.72N 148.41E 83–18 4.1,3.8b
ISC Event type ke.
MOS Error ellipse: s-maj=7.6km s-min=6.3km az=64.6.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; Mrr0.37 Mθθ0.15 Mϕϕ-0.52 Mrθ0.37 Mθϕ-0.52 Mϕr1.28 NP1:ϕs14.00000°,δ79.00000°,λ79.00000°. NP2:ϕs240.00000°,δ16.00000°,λ135.00000°. M0 1.47000×10^{15}
JMA Event type ke. SE OFF ETOROFU .
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=6.1km az=110.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=15.0km s-min=11.3km az=137.0.

(7) Andreanof Islands

ISC VI 17 00 17 14.4–.27 51.66N–.04 173.51W–.02 30–1 5.5b,4.9s 2308 1-160
BJI VI 17 00 17 08.4–.00 51.86N 173.04W 17 5.1b,5.1b **¶610678730**
NEIC VI 17 00 17 11.7 51.73N 173.45W 36 5.1b,5.1b
NEIC VI 17 00 17 11.7 50.93N 173.77W 36 5.1b,5.1b
MOS VI 17 00 17 12.8–.82 51.78N 173.43W 31 5.6b,4.8s
AEIC VI 17 00 17 13.7–1.8 51.61N–.05 173.45W–.06 26–3 5.6b,4.8s
IDC VI 17 00 17 14.7–1.2 51.79N 173.47W 31–8 5.1,4.9b
NEIC VI 17 00 17 14.6–1.5 51.79N–.06 173.41W–.06 29–3 5.6b,5.4
GCMT VI 17 00 17 15.6–.10 51.62N–.01 173.38W–.01 25–0 5.5W,5.4
ISC Event type se.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2s6 Moment tensor: Scale 10^{17}Nm; Mrr1.18 Mθθ-1.19 Mϕϕ0.01 Mrθ1.01 Mθϕ-0.17 Mϕr-0.29 NP1:ϕs97.14000°,δ65.87000°,λ102.55000°. NP2:ϕs248.58000°,δ27.02000°,λ64.13000°. Principal axes: T 1.6174,Plg67.0000°,Azm30.0000°; N -0.0583,Plg11.0000°,Azm272.0000°; P -1.5591,Plg20.0000°,Azm178.0000° M0 1.59000×10^{17}
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s118,c209; s148,c276;Duration: 1s4 Moment tensor: Scale 10^{17}Nm; Mrr0.99±.02 Mθθ-1.18±.02; Mϕϕ0.19±.01; Mrθ1.56±.06; Mθϕ0.25±.01; Mϕr-0.85±.04; Best double couple: NP1:ϕs116.00000°,δ70.00000°,λ101.00000°. NP2:ϕs260.00000°,δ19.00000°,λ55.00000°. Principal axes: T 2.0350,Plg59.0000°,Azm41.0000°; N 0.1310,Plg11.0000°,Azm293.0000°; P -2.1640,Plg29.0000°,Azm198.0000° M0 2.10000×10^{17}

(190) New Ireland region

ISC VI 17 01 21 42.4–.32 4.66S–.04 153.18E–.05 58–2 5.0b,4.2s 615 1-151
IDC VI 17 01 21 34.6–.43 4.62S 153.26E 0 4.8L,4.7 **¶610760957**
BJI VI 17 01 21 41.7–.00 4.39S 153.60E 70 5.2b,4.9b
MOS VI 17 01 21 41.3–.93 4.55S 153.05E 53 5.2b,4.9b
NEIC VI 17 01 21 43.1–1.4 4.65S–.07 153.16E–.06 56–5 5.0b,4.9b
DJA VI 17 01 21 43.2–.70 5S–3.0 153E–5.0 64–6 5.8,5.6b
GCMT VI 17 01 21 44.1–.20 4.90S–.02 153.11E–.02 52–1 5.1W,5.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s83,c112; s99,c133;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr4.39±.15 Mθθ-4.71±.11; Mϕϕ0.31±.12; Mrθ2.47±.11; Mθϕ0.21±.11; Mϕr0.31±.10; Best double couple: NP1:ϕs88.00000°,δ59.00000°,λ85.00000°. NP2:ϕs278.00000°,δ31.00000°,λ99.00000°. Principal axes: T 5.0440,Plg75.0000°,Azm343.0000°; N 0.2950,Plg4.0000°,Azm90.0000°; P -5.3400,Plg14.0000°,Azm181.0000° M0 5.19200×10^{16}

(353) Southern Iran

ISC VI 17 09 15 54.9–1.2 26.95N–.03 54.84E–.04 18–7 3.7b 109 1-91
IDC VI 17 09 15 51.6–.98 26.90N 54.78E 0 3.8,3.8b **¶610760959**
TEH VI 17 09 15 54.2 26.97N 54.91E 14–22 3.8L,3.8b
OMAN VI 17 09 15 56.8–.11 26.95N 54.98E 10 5.5b,3.2L
ISC Event type ke.
IDC Error ellipse: s-maj=24.3km s-min=17.7km az=44.0.
TEH Error ellipse: s-maj=1.3km s-min=1.4km az=-1.0.
OMAN Error ellipse: s-maj=3.5km s-min=1.8km az=227.0.

(74) Near coast of Nicaragua

ISC VI 17 13 47 38.1–.29 11.33N–.03 86.68W–.03 42–2 5.4b,5.2s 1224 1-153
UPA VI 17 13 47 12.3–6.4 12.56N 88.31W 0–407 5.5W,5.2s **¶610680840**
UCR VI 17 13 47 36.0–2.1 11.22N 86.87W 16–10 5.5b,5.4W
INET VI 17 13 47 37.0–.70 11.21N 86.80W 15–5 5.2W,5.4W
NEIC VI 17 13 47 39.5 11.21N 86.84W 36 5.2W,5.4W
SNET VI 17 13 47 39.9–3.2 11.45N 86.61W 59 5.3L,5.4W
NEIC VI 17 13 47 39.4–2.6 11.30N–.05 86.66W–.06 40–1 5.5,5.5b
NEIC VI 17 13 47 39.5 11.31N 86.64W 36 5.5,5.5b
NEIC VI 17 13 47 39.7 11.33N 86.63W 41 5.5,5.5b
MOS VI 17 13 47 40.6–1.4 11.52N 86.41W 67 5.6b,5.0s
GCMT VI 17 13 47 41.4–.10 11.09N–.01 86.99W–.01 36–0 5.5W,5.0s
IDC VI 17 13 47 42.5–1.2 11.69N 86.22W 73–11 5.1s,4.7
GCG VI 17 13 47 46.5–3.2 12.02N 86.93W 0–999 4.9,4.7
ISC Event type se.
UPA Error ellipse: s-maj=298.4km s-min=574.6km az=-1.0.
UCR Error ellipse: s-maj=6.8km s-min=8.3km az=-1.0.
INET Error ellipse: s-maj=4.6km s-min=2.8km az=-1.0.
NEIC Event type se. Moment Tensor Solution.Duration: 2s9 Moment tensor: Scale 10^{17}Nm; Mrr1.84 Mθθ-1.12 Mϕϕ-0.71 Mrθ0.75 Mθϕ1.23 Mϕr-0.40 NP1:ϕs124.73000°,δ56.54000°,λ83.39000°. NP2:ϕs316.60000°,δ34.03000°,λ99.88000°. Principal axes: T 2.0203,Plg77.0000°,Azm13.0000°; N 0.3080,Plg6.0000°,Azm128.0000°; P -2.3283,Plg11.0000°,Azm219.0000° M0 2.17000×10^{17}
SNET Error ellipse: s-maj=32.4km s-min=47.4km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=7.3km az=69.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; Mrr1.34 Mθθ-0.24 Mϕϕ-1.10 Mrθ0.51 Mθϕ0.68 Mϕr-0.44 NP1:ϕs142.13000°,δ57.72000°,λ79.63000°. NP2:ϕs341.04000°,δ33.73000°,λ105.91000°. Principal axes: T 1.5128,Plg75.0000°,Azm23.0000°; N 0.0992,Plg9.0000°,Azm148.0000°; P -1.6119,Plg12.0000°,Azm240.0000° M0 1.56000×10^{17}
NEIC Event type se.
NEIC Event type se.
MOS Error ellipse: s-maj=11.4km s-min=6.5km az=105.5.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s131,c233; s137,c242;Duration: 1s5 Moment tensor: Scale 10^{17}Nm; Mrr2.18±.04 Mθθ-1.49±.03; Mϕϕ-0.69±.03; Mrθ1.00±.04; Mθϕ1.34±.02; Mϕr-0.75±.04; Best double couple: NP1:ϕs127.00000°,δ59.00000°,λ90.00000°. NP2:ϕs306.00000°,δ31.00000°,λ90.00000°. Principal axes: T 2.4950,Plg76.0000°,Azm37.0000°; N 0.3080,Plg0.0000°,Azm307.0000°; P -2.8040,Plg14.0000°,Azm217.0000° M0 2.64900×10^{17}
IDC Error ellipse: s-maj=18.3km s-min=8.3km az=58.0.
GCG Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.

(268) Sulawesi

ISC VI 17 14 23 47.3–.30 2.60S–.03 121.74E–.04 10 4.7b,4.5s 242 2-159
IDC VI 17 14 23 44.9–.47 2.54S 121.74E 0 4.7L,4.5s **¶610680841**
NEIC VI 17 14 23 47.2–2.4 2.56S–.04 121.74E–.05 10–1 4.8b,4.5s
GCMT VI 17 14 23 48.2–.10 2.62S–.01 121.81E–.01 16–0 5.3W,4.5s
DJA VI 17 14 23 48.8–.80 3S–2.0 122E–2.0 10–6 5.6b,5.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s77,c107; s125,c227;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; Mrr-0.09±.02 Mθθ0.74±.01; Mϕϕ-0.65±.01; Mrθ0.53±.06; Mθϕ0.19±.01; Mϕr0.48±.05; Best double couple: NP1:ϕs221.00000°,δ88.00000°,λ-135.00000°. NP2:ϕs129.00000°,δ45.00000°,λ-3.00000°. Principal axes: T 1.0820,Plg28.0000°,Azm345.0000°; N -0.1510,Plg45.0000°,Azm223.0000°; P -0.9310,Plg32.0000°,Azm95.0000° M0 1.00700×10^{17}

(370) Crete

ISC VI 17 19 50 05.4–.42 38.86N–.01 26.47E–.01 12–2 5.0b,4.9s 1653 0-159
NAO VI 17 19 49 31.8 34.79N 26.83E 33 5.6b,4.9s **¶611834131**
BEO VI 17 19 50 01.7–4.9 38.52N 27.07E 57–4 5.4L,4.9s
BJI VI 17 19 50 02.5–.00 38.65N 25.99E 29 5.1b,5.1s
MOS VI 17 19 50 03.0–.86 38.89N 26.45E 8 5.2b,4.6s
IDC VI 17 19 50 03.7–.36 38.92N 26.48E 0 4.8,4.8b
MCSM VI 17 19 50 03.5–.60 39N–4.0 27E–4.0 13–3 5.3b,4.8b
NEIC VI 17 19 50 04.7 38.87N 26.41E 12 5.3b,4.8b
NEIC VI 17 19 50 04.8–1.4 38.89N–.04 26.42E–.06 8–3 5.2,5.2
ISK VI 17 19 50 04.5 38.85N 26.45E 13–0 5.6L,5.2
PDG VI 17 19 50 04.9–1.3 38.84N 26.47E 17–3 5.2L,5.2
DDA VI 17 19 50 04.7–.00 38.84N 26.44E 10–2 5.3W,5.2
NEIC VI 17 19 50 04.6 38.87N 26.41E 7 5.3W,5.2
NEIC VI 17 19 50 04.7 38.87N 26.41E 12 5.3W,5.2
NEIC VI 17 19 50 04.6 38.87N 26.41E 7 5.3W,5.2
ATH VI 17 19 50 05.8 38.85N 26.43E 12–1 5.2L,5.2
MED_R VI 17 19 50 05.0–.20 38.83N 26.62E 10 5.2W,5.2
GCMT VI 17 19 50 05.8–.10 38.77N–.01 26.48E–.01 12 5.3W,5.2
THE VI 17 19 50 06.2 38.83N 26.34E 11–1 5.3L,5.2
CFUSG VI 17 19 50 08.2 39.51N 26.55E 3 5.3L,5.2
GII VI 17 19 50 10.1–.00 38.49N 26.65E 30 5.2,5.2
ISC Event type ke.
BEO Event type ke.
MOS Error ellipse: s-maj=3.7km s-min=2.4km az=91.0.
IDC Error ellipse: s-maj=7.7km s-min=7.4km az=95.0.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=6.8km s-min=6.2km az=217.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; Mrr-1.10 Mθθ8.83 Mϕϕ-7.72 Mrθ0.71 Mθϕ-2.68 Mϕr0.82 NP1:ϕs143.82000°,δ82.52000°,λ-2.97000°. NP2:ϕs234.20000°,δ87.06000°,λ-172.51000°. Principal axes: T 9.2824,Plg3.0000°,Azm9.0000°; N -1.0163,Plg82.0000°,Azm256.0000°; P -8.2661,Plg7.0000°,Azm99.0000° M0 8.82000×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; Mrr-1.80 Mθθ5.42 Mϕϕ-3.62 Mrθ2.35 Mθϕ-1.95 Mϕr1.92 NP1:ϕs142.99000°,δ55.45000°,λ-15.58000°. NP2:ϕs241.97000°,δ77.22000°,λ-144.44000°. Principal axes: T 6.3034,Plg14.0000°,Azm8.0000°; N -0.6921,Plg53.0000°,Azm259.0000°; P -5.6113,Plg34.0000°,Azm108.0000° M0 5.99000×10^{16}
ISK Event type ke.
PDG Event type ke. Error ellipse: s-maj=1.0km s-min=1.8km az=0.0.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2s1 Moment tensor: Scale 10^{16}Nm; Mrr-3.57 Mθθ9.27 Mϕϕ-5.70 Mrθ-0.46 Mθϕ-2.11 Mϕr3.03 NP1:ϕs137.24000°,δ69.71000°,λ-28.22000°. NP2:ϕs237.79000°,δ63.67000°,λ-157.23000°. Principal axes: T 9.6198,Plg4.0000°,Azm189.0000°; N -1.6496,Plg56.0000°,Azm284.0000°; P -7.9702,Plg34.0000°,Azm96.0000° M0 8.79000×10^{16}
NEIC Event type se.
ATH Event type ke. Error ellipse: s-maj=1.7km s-min=0.8km az=280.0. ML Amplitudes are expressed in micrometers.
MED_R Error ellipse: s-maj=2.2km s-min=1.1km az=-1.0. nsta1 refers to body waves. nsta2 refers to surface waves, cutoff=35s. Moment Tensor Solution. Mantle waves: s19,c39;Duration: 1s5 Moment tensor: Scale 10^{17}Nm; Mrr-0.44±.03 Mθθ1.03±.02; Mϕϕ-0.58±.02; Mrθ0.20±.09; Mθϕ-0.25±.02; Mϕr0.22±.07; Best double couple: NP1:ϕs240.00000°,δ71.00000°,λ-148.00000°. NP2:ϕs139.00000°,δ60.00000°,λ-23.00000°. Principal axes: T 1.0900,Plg7.0000°,Azm8.0000°; N -0.2800,Plg53.0000°,Azm269.0000°; P -0.8000,Plg36.0000°,Azm102.0000° M0 0.94000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s84,c131; s136,c272;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; Mrr-0.43±.01 Mθθ1.10±.01; Mϕϕ-0.66±.01; Mrθ-0.14±.03; Mθϕ-0.32±.01; Mϕr0.24±.04; Best double couple: NP1:ϕs140.00000°,δ75.00000°,λ-26.00000°. NP2:ϕs238.00000°,δ65.00000°,λ-163.00000°. Principal axes: T 1.1760,Plg7.0000°,Azm191.0000°; N -0.3340,Plg60.0000°,Azm292.0000°; P -0.8390,Plg29.0000°,Azm97.0000° M0 1.00800×10^{17}
THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.7km az=97.0.
CFUSG Western Turkey. Magtype MSH 4.3 from 5 stations.
GII Event type ke.

(196) Irian Jaya region

ISC VI 18 16 17 27.0–.43 3.59S–.03 131.23E–.04 22–3 5.1b,4.5s 739 1-157
MOS VI 18 16 17 23.3–.78 3.50S 131.16E 10 5.2b,4.5s **¶616640014**
IDC VI 18 16 17 23.8–.39 3.52S 131.19E 0 4.9,4.9b
BJI VI 18 16 17 23.0–.00 3.60S 131.20E 10 5.0b,4.8b
NEIC VI 18 16 17 25.8–1.1 3.52S–.05 131.21E–.05 13–3 5.2b,4.8b
GCMT VI 18 16 17 26.8–.10 3.46S–.01 131.34E–.01 15 5.2W,4.8b
DJA VI 18 16 17 28.9–.20 3S–2.0 131E–1.0 41–2 5.5b,5.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s89,c136; s133,c220;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; Mrr0.28±.01 Mθθ0.20±.01; Mϕϕ-0.47±.01; Mrθ-0.41±.03; Mθϕ0.42±.01; Mϕr0.57±.03; Best double couple: NP1:ϕs318.00000°,δ75.00000°,λ72.00000°. NP2:ϕs189.00000°,δ23.00000°,λ139.00000°. Principal axes: T 0.6830,Plg56.0000°,Azm205.0000°; N 0.3590,Plg17.0000°,Azm322.0000°; P -1.0420,Plg28.0000°,Azm62.0000° M0 0.86300×10^{17}

(706) Northern Sumatera

ISC VI 18 20 13 40.2–.79 0.82N–.06 98.27E–.09 35 3.8b 27 1-62
IDC VI 18 20 13 34.1–2.0 0.71N 98.34E 0 3.7,3.7b **¶610792143**
DJA VI 18 20 13 40.7–.40 1N–3.0 98E–4.0 62–8 5.7b,5.2
ISC Event type ke.

(196) Irian Jaya region

ISC VI 18 21 24 30.5–.49 3.57S–.05 131.31E–.05 24 4.1b,3.1s 49 1-149
IDC VI 18 21 24 26.9–.70 3.44S 131.44E 0 4.2,4.1b **¶610792147**
DJA VI 18 21 24 31.8–.80 3S–3.0 131E–2.0 12–7 5.7b,5.2
ISC Event type ke.

(71) Near coast of Guatemala

ISC VI 22 12 31 02.7–.27 13.63N–.02 91.00W–.03 42–1 6.7s,6.0b 2832 1-162
IDC VI 22 12 30 56.6–.28 13.80N 90.79W 0 6.5s,5.5L **¶611834165**
BGR VI 22 12 31 01.2 13.10N 89.60W 33 6.8s,6.7
BJI VI 22 12 31 01.5–.00 13.64N 90.91W 40 7.0s,6.9
UPA VI 22 12 31 02.6–2.1 14.22N 90.99W 10–999 6.2W,6.9
INET VI 22 12 31 03.5–1.4 13.70N 91.05W 15–110 6.3W,6.9
NEIC VI 22 12 31 03.5–3.0 13.72N–.07 90.97W–.06 38–3 6.8,6.6
MOS VI 22 12 31 03.2–1.3 13.91N 90.79W 51 6.7s,6.2b
NEIC VI 22 12 31 03.5 13.74N 90.94W 34 6.7s,6.2b
NEIC VI 22 12 31 03.8 13.55N 91.14W 36 6.7s,6.2b
GCG VI 22 12 31 03.4–.63 13.70N 91.09W 39 6.7,6.2b
NEIC VI 22 12 31 03.8 13.75N 90.93W 36 6.7,6.2b
GCMT VI 22 12 31 08.5–.00 13.57N 91.38W 38–0 6.8W,6.2b
SNET VI 22 12 31 08.6–7.8 13.77N 90.88W 44 6.8W,6.2b
ISC Event type ke.
IDC Error ellipse: s-maj=13.2km s-min=7.9km az=56.0.
BGR Event type ke.
UPA Error ellipse: s-maj=513.6km s-min=931.7km az=-1.0.
INET Error ellipse: s-maj=9.8km s-min=10.3km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=7.0km az=214.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{19}Nm; Mrr0.87 Mθθ-0.78 Mϕϕ-0.08 Mrθ0.67 Mθϕ0.14 Mϕr-0.24 NP1:ϕs106.17000°,δ65.24000°,λ94.10000°. NP2:ϕs276.46000°,δ25.07000°,λ81.19000°. Principal axes: T 1.1313,Plg69.0000°,Azm24.0000°; N -0.0615,Plg4.0000°,Azm284.0000°; P -1.0698,Plg20.0000°,Azm193.0000° M0 1.10000×10^{19}
MOS Error ellipse: s-maj=7.8km s-min=5.2km az=102.5.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 12s6 Moment tensor: Scale 10^{19}Nm; Mrr1.49 Mθθ-1.20 Mϕϕ-0.30 Mrθ0.83 Mθϕ0.68 Mϕr-0.48 NP1:ϕs119.23000°,δ60.98000°,λ90.89000°. NP2:ϕs297.38000°,δ29.03000°,λ88.39000°. Principal axes: T 1.7661,Plg74.0000°,Azm32.0000°; N 0.0700,Plg1.0000°,Azm299.0000°; P -1.8361,Plg16.0000°,Azm209.0000° M0 1.80000×10^{19}
GCG Error ellipse: s-maj=41.6km s-min=5.9km az=-1.0.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=50s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s168,c451; s165,c787; Duration: 6s0 Moment tensor: Scale 10^{19}Nm; Mrr1.66±.01 Mθθ-1.28±.01; Mϕϕ-0.37±.01; Mrθ0.62±.01; Mθϕ0.69±.00; Mϕr-0.47±.01; Best double couple: NP1:ϕs122.00000°,δ57.00000°,λ94.00000°. NP2:ϕs295.00000°,δ33.00000°,λ84.00000°. Principal axes: T 1.8340,Plg77.0000°,Azm45.0000°; N -0.0080,Plg3.0000°,Azm300.0000°

; P -1.8220,Plg12.0000°,Azm209.0000° M0 1.82800×10^{19}
SNET Error ellipse: s-maj=142.8km s-min=37.3km az=-1.0.
(274) Southern Sumatera
ISC VI 22 14 38 49.4–.39 5.77S–.05 102.47E–.05 21 5.0b,4.6s 354 1-150
NEIC VI 22 14 38 46.7–2.5 5.97S–.07 102.35E–.09 10–1 5.1b,4.6s **¶610693712**
MOS VI 22 14 38 46.6–1.0 5.66S 102.54E 14 5.1b,4.6s
IDC VI 22 14 38 47.2–.67 5.58S 102.67E 0 4.7,4.7b
DJA VI 22 14 38 47.6–.40 6S–3.0 102E–3.0 16–3 5.6b,5.3
BJI VI 22 14 38 48.0–.00 5.80S 102.50E 20 5.3b,5.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.2km s-min=10.5km az=245.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=10.4km s-min=5.0km az=113.7.
IDC Error ellipse: s-maj=23.6km s-min=12.2km az=47.0.
(221) Kuril Islands
ISC VI 22 22 36 23.0–.39 46.10N–.04 152.39E–.03 40–2 5.0b,4.3s 1310 3-153
BJI VI 22 22 36 17.9–.00 46.26N 152.69E 32 5.0b,4.9b **¶610693784**
NEIC VI 22 22 36 19.5–1.6 46.21N–.08 152.3E–.10 10–4 5.0b,4.9b
NIED VI 22 22 36 21.9 46.15N 152.43E 30 4.8W,4.9b
IDC VI 22 22 36 21.3–3.0 46.23N 152.17E 23–18 4.7,4.6b
JMA VI 22 22 36 21.9–1.1 46N–5.0 152E–7.0 30 5.2,5.0W
MOS VI 22 22 36 22.8–.98 46.18N 152.21E 50 5.2b,4.5s
SKHL VI 22 22 36 23.1–.40 46.00N 152.40E 65–5 5.9b,5.5
GCMT VI 22 22 36 25.5–.30 46.28N–.02 152.47E–.03 35–0 5.0W,5.5
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; Mrr-0.49 Mθθ1.69 Mϕϕ-1.19
Mrθ-0.42 Mθϕ-0.37 Mϕr0.81 NP1:ϕs138.00000°,δ77.00000°,λ-34.00000°. NP2:ϕs236.00000°
,δ57.00000°,λ-165.00000°. M0 1.79000×10^{16}
JMA Event type ke. KURILE ISLANDS REGION .
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function. Moment Tensor Solution. s60,c87; s90,c134;Duration: 0
Moment tensor: Scale 10^{16}Nm; Mrr3.93±.17 Mθθ-2.22±.12; Mϕϕ-1.71±.11; Mrθ0.57±.14;
Mθϕ-2.38±.07; Mϕr1.75±.11; Best double couple: NP1:ϕs36.00000°,δ57.00000°,λ75.00000°.
NP2:ϕs241.00000°,δ36.00000°,λ111.00000°. Principal axes: T 4.4310,Plg74.0000°
,Azm266.0000°; N 0.2300,Plg12.0000°,Azm44.0000°; P -4.6610,Plg11.0000°,Azm136.0000°
M0 4.54600×10^{16}
(272) Seram
ISC VI 24 00 24 52.8–3.4 3.38S–.10 128.82E–.05 12–25 13 0-65
IDC VI 24 00 24 51.1–1.2 3.38S 128.82E 0 3.8,3.8L **¶610789367**
DJA VI 24 00 24 54.0–.30 3S–4.0 129E–2.0 10 6.0b,5.6
ISC Event type ke.
(581) Mozambique
ISC VI 24 02 37 17.9–.32 19.59S–.03 34.47E–.04 29–1 5.7b,5.1s 1252 4-153
IDC VI 24 02 37 11.1–.42 19.66S 34.55E 0 5.2L,5.0s **¶612757233**
BUL VI 24 02 37 12.8–3.2 19.51S 34.71E 10 5.4,5.0s
NEIC VI 24 02 37 14.9 19.46S 34.54E 30 5.4,5.0s
NEIC VI 24 02 37 14.9 19.46S 34.54E 30 5.4,5.0s
BJI VI 24 02 37 15.0–.00 19.60S 34.50E 10 5.4b,5.2s
LSZ VI 24 02 37 16.0–1.4 19.74S 32.98E 0 6.0,5.6L
MOS VI 24 02 37 17.1–1.1 19.51S 34.51E 33 5.8b,4.9s
NEIC VI 24 02 37 18.5–1.4 19.45S–.07 34.49E–.08 27–1 5.8b,5.6
NEIC VI 24 02 37 18 19.45S 34.50E 23 5.8b,5.6
GCMT VI 24 02 37 19.5–.10 19.42S–.01 34.48E–.01 31–0 5.6W,5.6
BGR VI 24 02 37 28.6 18.83S 35.31E 33 5.9b,5.0s
ISC Event type ke.
IDC Error ellipse: s-maj=15.8km s-min=11.9km az=92.0.
BUL Error ellipse: s-maj=15.0km s-min=33.9km az=-1.0.
NEIC Event type se. Moment Tensor Solution.Duration: 3s0 Moment tensor: Scale 10^{17}Nm;
Mrr-0.49 Mθθ-1.25 Mϕϕ1.73 Mrθ1.29 Mθϕ-1.82 Mϕr0.06 NP1:ϕs292.76000°,δ77.64000°
,λ-152.26000°. NP2:ϕs196.34000°,δ62.96000°,λ-13.90000°. Principal axes:
T 2.6814,Plg10.0000°,Azm62.0000°; N 0.0666,Plg60.0000°,Azm315.0000°
; P -2.7479,Plg28.0000°,Azm158.0000° M0 2.71000×10^{17}
NEIC Event type se.
LSZ Error ellipse: s-maj=39.6km s-min=203.8km az=-1.0.
MOS Error ellipse: s-maj=9.0km s-min=4.8km az=86.3.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=11.5km az=85.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{17}Nm; Mrr-0.59 Mθθ-1.00 Mϕϕ1.59 Mrθ0.76
Mθϕ-2.61 Mϕr0.60 NP1:ϕs285.27000°,δ73.52000°,λ-165.43000°. NP2:ϕs191.05000°
,δ76.04000°,λ-17.00000°. Principal axes: T 3.2078,Plg2.0000°,Azm238.0000°
; N -0.2057,Plg68.0000°,Azm333.0000°; P -3.0021,Plg22.0000°,Azm148.0000°
M0 3.11000×10^{17}
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function. Moment Tensor Solution. s137,c248; s164,c339;Duration: 1s5
Moment tensor: Scale 10^{17}Nm; Mrr-0.74±.03 Mθθ-1.21±.03; Mϕϕ1.95±.03; Mrθ0.89±.05;
Mθϕ-2.10±.02; Mϕr0.78±.05; Best double couple: NP1:ϕs195.00000°,δ74.00000°,λ-24.00000°.
NP2:ϕs292.00000°,δ67.00000°,λ-163.00000°. Principal axes: T 3.0240,Plg5.0000°
,Azm245.0000°; N -0.1520,Plg61.0000°,Azm343.0000°; P -2.8720,Plg28.0000°
,Azm152.0000° M0 2.94800×10^{17}
BGR Event type ke.
(248) Philippine Islands region
ISC VI 24 20 37 06.1–.35 17.51N–.03 120.17E–.04 47–3 4.7b,4.1s 419 1-117
MAN VI 24 20 37 03.3 17.55N 119.85E 32 6.1b,5.7s **¶611467509**
DJA VI 24 20 37 04.9–.60 18N–3.0 120E–7.0 43–9 7.9,7.5
BJI VI 24 20 37 04.7–.00 17.42N 120.19E 51 4.8b,4.8L
BGR VI 24 20 37 04.2 18.94N 122.43E 33 4.5b,4.8L
NEIC VI 24 20 37 05.2–1.3 17.40N–.05 120.21E–.09 41–7 4.9b,4.8L
GCMT VI 24 20 37 07.2–.40 17.59N–.02 119.91E–.02 41 4.8W,4.8L
IDC VI 24 20 37 09.1–1.8 17.44N 120.26E 81–18 4.5,4.1b
ISC Event type fe.
MAN Event type fe. INTENSITY II - VIGAN CITY.
BGR Event type ke.
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=7.0km az=98.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function. Moment Tensor Solution. s11,c13; s70,c105;Duration: 0
Moment tensor: Scale 10^{16}Nm; Mrr0.94±.21 Mθθ0.36±.12; Mϕϕ-1.30±.13; Mrθ-1.31±.08;
Mθϕ-0.47±.07; Mϕr-1.49±.09; Best double couple: NP1:ϕs219.00000°,δ77.00000°,λ108.00000°.
NP2:ϕs345.00000°,δ22.00000°,λ38.00000°. Principal axes: T 2.2450,Plg55.0000°
,Azm151.0000°; N 0.1860,Plg17.0000°,Azm35.0000°; P -2.4350,Plg29.0000°,Azm295.0000°
M0 2.34000×10^{16}
IDC Error ellipse: s-maj=14.6km s-min=9.2km az=81.0.
(227) Eastern Honshu
ISC VI 24 22 02 16.7–.39 35.83N–.02 137.64E–.02 12–2 5.5b,4.8s 1845 0-165
BJI VI 24 22 02 08.8–.00 35.61N 138.30E 10 5.3b,5.3s **¶617195267**
MOS VI 24 22 02 14.4–.95 35.84N 137.60E 10 5.6b,4.8s
IDC VI 24 22 02 14.8–.35 35.85N 137.61E 0 5.2,5.2b
BGR VI 24 22 02 14.8 36.00N 139.44E 33 5.5b,4.9s
JMA VI 24 22 02 15.4–.02 35.87N–.09 137.6E–.10 7–0 5.6,5.2W
NIED VI 24 22 02 15.4 35.87N 137.59E 7 5.2W,5.2W
NEIC VI 24 22 02 17.0–1.3 35.86N–.04 137.57E–.06 10–1 5.5b,5.2
NEIC VI 24 22 02 16.8 35.80N 137.64E 12 5.5b,5.2
NEIC VI 24 22 02 16.9 35.86N 137.57E 10 5.5b,5.2
NEIC VI 24 22 02 16.8 35.50N 137.76E 12 5.5b,5.2
GCMT VI 24 22 02 18.0–.10 35.93N–.01 137.51E–.01 12 5.3W,5.2
ISC Event type ke.
BGR Event type ke.
JMA Event type fe. WESTERN NAGANO PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; Mrr6.07 Mθθ-0.55 Mϕϕ-5.53
Mrθ-0.57 Mθϕ-3.13 Mϕr1.94 NP1:ϕs13.00000°,δ53.00000°,λ73.00000°. NP2:ϕs219.00000°
,δ40.00000°,λ111.00000°. M0 6.89000×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{16}Nm; Mrr5.17 Mθθ-0.12 Mϕϕ-5.06 Mrθ0.90
Mθϕ-2.77 Mϕr1.81 NP1:ϕs202.97000°,δ35.28000°,λ88.21000°. NP2:ϕs25.16000°,δ54.73000°
,λ91.26000°. Principal axes: T 5.5206,Plg80.0000°,Azm300.0000°; N 1.1258,Plg1.0000°
,Azm204.0000°; P -6.6464,Plg10.0000°,Azm114.0000° M0 6.16000×10^{16}
NEIC Event type se.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2s0 Moment tensor: Scale 10^{16}Nm;
Mrr6.42 Mθθ0.17 Mϕϕ-6.59 Mrθ2.95 Mθϕ-3.78 Mϕr0.58 NP1:ϕs45.00000°,δ55.75000°
,λ117.58000°. NP2:ϕs182.13000°,δ42.89000°,λ55.78000°. Principal axes:
T 7.6484,Plg66.0000°,Azm10.0000°; N 0.8420,Plg23.0000°,Azm209.0000°
; P -8.4904,Plg7.0000°,Azm116.0000° M0 8.07000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function. Moment Tensor Solution. s97,c150; s134,c268;Duration: 1s1
Moment tensor: Scale 10^{17}Nm; Mrr0.82±.01 Mθθ-0.10±.01; Mϕϕ-0.72±.01; Mrθ-0.32±.04;
Mθϕ-0.48±.01; Mϕr-0.48±.04; Best double couple: NP1:ϕs212.00000°,δ61.00000°,λ94.00000°.
NP2:ϕs24.00000°,δ29.00000°,λ83.00000°. Principal axes: T 0.9950,Plg73.0000°
,Azm132.0000°; N 0.1610,Plg3.0000°,Azm30.0000°; P -1.1550,Plg16.0000°,Azm299.0000°
M0 1.07500×10^{17}
(181) Fiji Islands region
ISC VI 25 17 42 27.8–.48 19.65S–.05 176.28W–.04 29–3 5.8s,5.5b 890 5-160
IDC VI 25 17 42 23.8–.51 19.48S 176.49W 0 5.7s,4.9 **¶611189152**
NEIC VI 25 17 42 24.4–2.6 19.55S–.09 176.23W–.07 10–1 6.0,6.0
NEIC VI 25 17 42 24.3 19.38S 176.09W 12 6.0,6.0
MOS VI 25 17 42 24.9–2.4 19.42S 176.54W 11 5.8s,5.6b
NEIC VI 25 17 42 24.6 19.61S 176.26W 10 5.8s,5.6b
NEIC VI 25 17 42 24.3 19.58S 176.20W 12 5.8s,5.6b
NOU VI 25 17 42 26.1 19.49S 176.30W 8 5.6L,5.6b
GCMT VI 25 17 42 29.4–.10 19.49S 176.26W 14–0 6.0W,5.6b
ISC Event type se.
IDC Error ellipse: s-maj=17.2km s-min=12.8km az=146.0.
NEIC Event type se. Error ellipse: s-maj=14.7km s-min=10.8km az=179.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{18}Nm; Mrr0.08 Mθθ-0.96 Mϕϕ0.87 Mrθ-0.10
Mθϕ-0.41 Mϕr0.38 NP1:ϕs34.83000°,δ74.74000°,λ14.42000°. NP2:ϕs300.96000°,δ76.10000°
,λ164.26000°. Principal axes: T 1.1126,Plg21.0000°,Azm258.0000°; N -0.0651,Plg69.0000°
,Azm81.0000°; P -1.0475,Plg1.0000°,Azm348.0000° M0 1.08000×10^{18}
NEIC Event type se. Moment Tensor Solution.Duration: 5s5 Moment tensor: Scale 10^{18}Nm;
Mrr-0.33 Mθθ-0.84 Mϕϕ1.17 Mrθ-0.16 Mθϕ-0.56 Mϕr0.46 NP1:ϕs299.72000°,δ81.89000°
,λ166.39000°. NP2:ϕs31.68000°,δ76.53000°,λ8.34000°. Principal axes:
T 1.4476,Plg15.0000°,Azm255.0000°; N -0.4570,Plg74.0000°,Azm90.0000°
; P -0.9906,Plg4.0000°,Azm346.0000° M0 1.22000×10^{18}
MOS Error ellipse: s-maj=8.9km s-min=8.5km az=138.3.
NEIC Event type se.
NEIC Event type se.
NOU Fiji Islands Region.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s.
Triangular moment-rate function. Moment Tensor Solution. s163,c363; s161,c548;
Duration: 2s5 Moment tensor: Scale 10^{18}Nm; Mrr-0.12±.01 Mθθ-1.16±.01; Mϕϕ1.29±.01;
Mrθ-0.21±.02; Mθϕ-0.66±.01; Mϕr0.21±.02; Best double couple: NP1:ϕs301.00000°,δ89.00000°
,λ169.00000°. NP2:ϕs31.00000°,δ79.00000°,λ1.00000°. Principal axes: T 1.4960,Plg9.0000°
,Azm255.0000°; N -0.1450,Plg79.0000°,Azm115.0000°; P -1.3450,Plg7.0000°
,Azm347.0000° M0 1.42000×10^{18}
(248) Philippine Islands region
ISC VI 26 07 41 28.6–.39 10.28N–.02 126.15E–.02 18–1 5.0b,4.3s 890 0-172
MOS VI 26 07 41 25.5–1.1 10.26N 125.91E 13 5.2b,4.3s **¶610694756**
DJA VI 26 07 41 26.1–.20 11N–3.0 127E–3.0 10 5.8,5.6b
BJI VI 26 07 41 27.2–.00 10.06N 126.04E 29 4.9b,4.8b
NEIC VI 26 07 41 27.4 10.30N 126.20E 20 4.9b,4.8b
NEIC VI 26 07 41 27.4–1.9 10.31N–.06 126.10E–.08 10–1 5.1b,5.0
NEIC VI 26 07 41 27.4 10.30N 126.10E 20 5.1b,5.0
MAN VI 26 07 41 31.0 10.23N 126.18E 17 5.8b,5.2s
GCMT VI 26 07 41 33.4–.20 10.31N–.01 126.19E–.01 25 5.2W,5.2s
IDC VI 26 07 41 34.0–1.3 10.31N 126.03E 62–11 4.8,4.5b
ISC Event type fe.
MOS Error ellipse: s-maj=9.2km s-min=4.5km az=111.0.
NEIC Event type se. Moment Tensor Solution.Duration: 1s6 Moment tensor: Scale 10^{16}Nm;
Mrr2.03 Mθθ0.66 Mϕϕ-2.69 Mrθ0.24 Mθϕ1.04 Mϕr2.68 NP1:ϕs2.54000°,δ70.04000°,λ108.10000°.
NP2:ϕs138.79000°,δ26.69000°,λ49.46000°. Principal axes: T 3.3964,Plg61.0000°
,Azm299.0000°; N 0.6601,Plg17.0000°,Azm176.0000°; P -4.0565,Plg23.0000°,Azm79.0000°
M0 3.73000×10^{16}
NEIC Event type se. Error ellipse: s-maj=13.1km s-min=9.1km az=252.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se.
MAN Event type fe. INTENSITY IV - BURGOS SURIGAO DEL NORTE; INTENSITY III -
TACLOBAN CITY; PALO LEYTE; SURIGAO CITY; INTENSITY II - LIBJO SAN JOSE
CAGDIANAO DINAGAT ISLANDS.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function. Moment Tensor Solution. s74,c84; s96,c134;Duration: 0
Moment tensor: Scale 10^{16}Nm; Mrr3.26±.15 Mθθ0.45±.11; Mϕϕ-3.71±.10; Mrθ-0.41±.26;
Mθϕ1.47±.08; Mϕr6.66±.23; Best double couple: NP1:ϕs355.00000°,δ76.00000°,λ98.00000°.
NP2:ϕs144.00000°,δ16.00000°,λ60.00000°. Principal axes: T 7.3170,Plg58.0000°
,Azm277.0000°; N 0.6850,Plg8.0000°,Azm173.0000°; P -7.9970,Plg30.0000°,Azm79.0000°
M0 7.65700×10^{16}
IDC Error ellipse: s-maj=12.6km s-min=7.1km az=82.0.
(222) East of Kuril Islands
ISC VI 27 01 43 47.6–.50 48.67N–.06 157.61E–.05 35 4.5b,2.8s 214 2-79
IDC VI 27 01 43 42.8–.67 48.63N 157.51E 0 4.2,4.2b **¶610695209**
MOS VI 27 01 43 46.1–.85 48.63N 157.61E 37 4.7b,4.2b
SKHL VI 27 01 43 48.5–.30 48.60N 157.40E 58–4 5.7b,4.2b
NEIC VI 27 01 43 48.2–1.4 48.7N–.10 157.6E–.10 33–6 4.6b,4.2b
KRSC VI 27 01 43 48.8–2.0 48.97N 158.17E 40–26 5.0L,4.2b
ISC Event type se.
IDC Error ellipse: s-maj=16.7km s-min=12.2km az=157.0.
MOS Error ellipse: s-maj=9.5km s-min=3.3km az=85.1.
NEIC Event type se. Error ellipse: s-maj=16.2km s-min=11.6km az=158.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
KRSC Event type se.
(276) Sunda Strait
ISC VI 28 10 41 36.0–.69 6.54S–.08 104.72E–.07 35 4.3b,3.8s 62 1-145
IDC VI 28 10 41 30.9–1.1 6.41S 104.62E 0 4.6L,3.9 **¶610789634**
DJA VI 28 10 41 35.2–.30 7S–4.0 105E–3.0 10 5.8b,5.3
NEIC VI 28 10 41 35.0–.91 6.53S–.02 105.13E–.08 37–11 4.5b,5.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(178) Kermadec Islands
ISC VI 28 18 20 54.9–.42 30.43S–.03 177.38W–.04 20–1 6.0s,5.7b 1378 1-176
BJI VI 28 18 20 49.7–.00 30.13S 177.12W 5 6.1b,5.9s **¶616640056**
IDC VI 28 18 20 52.6–.38 30.21S 177.69W 0 5.8s,5.3b
NEIC VI 28 18 20 53.9 30.30S 177.65W 10 5.8s,5.3b
NEIC VI 28 18 20 54.1 30.41S 176.87W 24 5.8s,5.3b
MOS VI 28 18 20 54.1–.87 30.26S 177.69W 18 6.0b,5.9s
NEIC VI 28 18 20 54.1 30.31S 177.68W 24 6.0b,5.9s
NEIC VI 28 18 20 55.5–1.8 30.31S–.06 177.7W–.10 19–1 6.0,6.0
NOU VI 28 18 20 57.8 30.67S 177.06W 55 5.8L,6.0
GCMT VI 28 18 21 01.5–.10 30.27S 177.32W 29–0 6.1W,6.0
ISC Event type se.
IDC Error ellipse: s-maj=15.0km s-min=12.4km az=82.0.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 4s9 Moment tensor: Scale 10^{18}Nm;
Mrr0.90 Mθθ-0.03 Mϕϕ-0.86 Mrθ0.06 Mθϕ-0.37 Mϕr1.06 NP1:ϕs7.62000°,δ69.45000°,λ79.64000°.
NP2:ϕs215.13000°,δ22.91000°,λ115.63000°. Principal axes: T 1.3985,Plg64.0000°
,Azm261.0000°; N 0.0497,Plg10.0000°,Azm11.0000°; P -1.4481,Plg24.0000°,Azm106.0000°
M0 1.42000×10^{18}
MOS Error ellipse: s-maj=10.7km s-min=7.3km az=113.6.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.4km s-min=10.6km az=280.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{18}Nm; Mrr0.84 Mθθ-0.40 Mϕϕ-0.44 Mrθ0.12
Mθϕ-0.46 Mϕr0.65 NP1:ϕs240.54000°,δ30.91000°,λ121.29000°. NP2:ϕs25.22000°,δ63.97000°
,λ72.73000°. Principal axes: T 1.1116,Plg66.0000°,Azm263.0000°; N -0.0643,Plg15.0000°

,Azm33.0000°; P -1.0473,Plg17.0000°,Azm128.0000° M0 1.08000×10^{18}
NOU Kermadec Islands, New Zealand.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s164,c379; s164,c572; Duration: 2s8 Moment tensor: Scale 10^{18}Nm; Mrr1.42±.01 Mθθ-0.06±.01; Mϕϕ-1.36±.01; Mrθ0.01±.02; Mθϕ-0.42±.01; Mϕr1.19±.02; Best double couple: NP1:ϕs6.00000°,δ65.00000°,λ81.00000°. NP2:ϕs207.00000°,δ27.00000°,λ108.00000°. Principal axes: T 1.8690,Plg69.0000°,Azm259.0000°; N 0.0190,Plg8.0000°,Azm10.0000°; P -1.8890,Plg19.0000°,Azm103.0000° M0 1.87900×10^{18}

(190) New Ireland region

ISC VI 29 12 42 03.6–.26 4.55S–.03 153.12E–.04 57–1 5.2b,4.8s 858 1-158
IDC VI 29 12 41 55.4–.33 4.61S 153.28E 0 4.9,4.9b **¶616200240**
BJI VI 29 12 42 01.7–.00 4.29S 153.33E 54 5.0b,5.0b
MOS VI 29 12 42 01.8–1.1 4.52S 153.05E 51 5.3b,4.5s
NEIC VI 29 12 42 03.7–2.4 4.57S–.02 153.03E–.06 49–1 5.5,5.5
NEIC VI 29 12 42 03.1 4.58S 153.05E 41 5.5,5.5
NEIC VI 29 12 42 04.8 4.60S 153.02E 46 5.5,5.5
NEIC VI 29 12 42 04.8 4.60S 153.02E 46 5.5,5.5
DJA VI 29 12 42 07.1–.60 5S–3.0 153E–4.0 79–6 6.1,5.7b
GCMT VI 29 12 42 07.7–.10 4.69S–.01 152.96E–.01 57–0 5.4W,5.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; Mrr2.07 Mθθ-0.38 Mϕϕ-1.68 Mrθ-0.18 Mθϕ-0.10 Mϕr-0.68 NP1:ϕs187.72000°,δ55.25000°,λ93.21000°. NP2:ϕs2.10000°,δ34.88000°,λ85.38000°. Principal axes: T 2.1972,Plg79.0000°,Azm110.0000°; N -0.3818,Plg3.0000°,Azm6.0000°; P -1.8154,Plg10.0000°,Azm275.0000° M0 2.03000×10^{17}
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2s7 Moment tensor: Scale 10^{17}Nm; Mrr1.80 Mθθ0.40 Mϕϕ-2.20 Mrθ-0.33 Mθϕ-0.21 Mϕr-0.61 NP1:ϕs194.13000°,δ54.52000°,λ102.25000°. NP2:ϕs353.62000°,δ37.27000°,λ73.42000°. Principal axes: T 1.9432,Plg77.0000°,Azm145.0000°; N 0.3713,Plg10.0000°,Azm7.0000°; P -2.3145,Plg9.0000°,Azm275.0000° M0 2.13000×10^{17}
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s140,c230; s136,c269;Duration: 1s3 Moment tensor: Scale 10^{17}Nm; Mrr1.26±.02 Mθθ0.76±.02; Mϕϕ-2.01±.02; Mrθ-0.26±.02; Mθϕ-0.36±.02; Mϕr-0.63±.02; Best double couple: NP1:ϕs201.00000°,δ58.00000°,λ108.00000°. NP2:ϕs350.00000°,δ37.00000°,λ64.00000°. Principal axes: T 1.4360,Plg71.0000°,Azm154.0000°; N 0.7570,Plg15.0000°,Azm11.0000°; P -2.1840,Plg11.0000°,Azm278.0000° M0 1.81000×10^{17}

(403) Northern Mid-Atlantic Ridge

ISC VI 30 01 34 57.3–.49 33.74N–.04 38.62W–.03 8–2 5.4s,5.3b 2078 8-178
MOS VI 30 01 34 55.8–.92 33.73N 38.59W 10 5.5b,5.4s **¶616640069**
IDC VI 30 01 34 55.6–.33 33.76N 38.63W 0 5.2s,4.8
BJI VI 30 01 34 56.8–.00 33.83N 38.58W 11 5.9s,5.5
NEIC VI 30 01 34 58.2 33.76N 38.55W 10 5.9s,5.5
IGIL VI 30 01 34 58.4 33.82N 38.58W 10 5.4s,5.5
NEIC VI 30 01 34 58.1–1.6 33.74N–.08 38.55W–.08 10–1 5.9,5.8
NEIC VI 30 01 34 58.2 33.74N 38.55W 16 5.9,5.8
NEIC VI 30 01 34 58.2 33.94N 38.79W 16 5.9,5.8
GCMT VI 30 01 35 01.1–.10 33.79N 38.56W 20–0 6.0W,5.8
BGR VI 30 01 35 02.5 33.77N 37.66W 10 5.6s,5.1b
ISC Event type ke.
MOS Error ellipse: s-maj=7.4km s-min=3.7km az=48.3.
IDC Error ellipse: s-maj=11.7km s-min=8.7km az=132.0.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=11.5km az=206.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; Mrr0.15 Mθθ3.57 Mϕϕ-3.71 Mrθ0.33 Mθϕ6.12 Mϕr0.42 NP1:ϕs15.30000°,δ88.26000°,λ176.01000°. NP2:ϕs105.42000°,δ86.01000°,λ1.75000°. Principal axes: T 7.0862,Plg4.0000°,Azm330.0000°; N 0.1164,Plg86.0000°,Azm172.0000°; P -7.2026,Plg2.0000°,Azm60.0000° M0 7.15000×10^{17}
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 4s0 Moment tensor: Scale 10^{17}Nm; Mrr-0.41 Mθθ2.35 Mϕϕ-1.94 Mrθ-4.39 Mθϕ6.34 Mϕr-1.74 NP1:ϕs280.05000°,δ81.66000°,λ28.45000°. NP2:ϕs185.56000°,δ61.88000°,λ170.53000°. Principal axes: T 9.1183,Plg26.0000°,Azm146.0000°; N -2.3560,Plg60.0000°,Azm295.0000°; P -6.7623,Plg13.0000°,Azm50.0000° M0 7.94000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s151,c296; s163,c563; Duration: 2s3 Moment tensor: Scale 10^{18}Nm; Mrr-0.05±.01 Mθθ0.40±.01; Mϕϕ-0.34±.01; Mrθ-0.30±.02; Mθϕ0.93±.01; Mϕr0.03±.01; Best double couple: NP1:ϕs281.00000°,δ90.00000°,λ17.00000°. NP2:ϕs191.00000°,δ73.00000°,λ180.00000°. Principal axes: T 1.0760,Plg12.0000°,Azm147.0000°; N -0.0620,Plg73.0000°,Azm282.0000°; P -1.0140,Plg11.0000°,Azm55.0000° M0 1.04500×10^{18}
BGR Event type ke.

(105) Near coast of Ecuador

ISC VI 30 22 29 42.7–.39 0.29S–.02 80.58W–.03 7–2 5.9b,5.7s 3042 0-178
IGQ VI 30 22 29 40–.55 0S–3.0 81W–5.0 9 5.9b,5.7s **¶610728836**
NEIC VI 30 22 29 43.9 0.33S 80.51W 6 5.9b,5.7s
VAO VI 30 22 29 43.2–.98 0.26S 80.43W 10 6.1b,5.7s
NEIC VI 30 22 29 44.3 0.31S 80.49W 8 6.1b,5.7s
NEIC VI 30 22 29 44 0.34S 80.50W 5 6.1b,5.7s
NEIC VI 30 22 29 44.3 0.31S 80.49W 12 6.1b,5.7s
MOS VI 30 22 29 45.6–1.1 0.24S 80.53W 31 6.0b,5.6s
NEIC VI 30 22 29 45.1–1.7 0.29S–.05 80.49W–.05 13–1 6.1,6.0
GCMT VI 30 22 29 47.1–.10 0.36S 80.73W 14–0 6.0W,6.0
IDC VI 30 22 29 49.2–1.6 0.19S 80.44W 56–14 5.7s,5.2
BGR VI 30 22 29 58.1 1.88N 79.31W 29–2 6.2,5.6s
ISC Event type ke.
NEIC Event type se.
VAO Error ellipse: s-maj=9.2km s-min=10.3km az=-1.0.
NEIC Event type se.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 5s5 Moment tensor: Scale 10^{18}Nm; Mrr0.41 Mθθ-0.15 Mϕϕ-0.26 Mrθ0.15 Mθϕ-0.05 Mϕr-1.40 NP1:ϕs174.58000°,δ83.45000°,λ87.42000°. NP2:ϕs16.15000°,δ7.04000°,λ111.43000°. Principal axes: T 1.5265,Plg51.0000°,Azm82.0000°; N -0.1637,Plg3.0000°,Azm175.0000°; P -1.3627,Plg38.0000°,Azm267.0000° M0 1.44000×10^{18}
MOS Error ellipse: s-maj=6.9km s-min=4.4km az=95.3.
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=7.7km az=271.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; Mrr0.40 Mθθ0.26 Mϕϕ-0.66 Mrθ0.03 Mθϕ0.02 Mϕr-1.26 NP1:ϕs358.18000°,δ11.37000°,λ89.37000°. NP2:ϕs178.82000°,δ78.63000°,λ90.13000°. Principal axes: T 1.2391,Plg56.0000°,Azm89.0000°; N 0.2562,Plg0.0000°,Azm359.0000°; P -1.4953,Plg34.0000°,Azm269.0000° M0 1.39000×10^{18} Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; Mrr0.68 Mθθ-0.05 Mϕϕ-0.63 Mrθ-0.02 Mθϕ0.13 Mϕr-1.67 NP1:ϕs179.77000°,δ79.25000°,λ94.27000°. NP2:ϕs337.97000°,δ11.56000°,λ68.60000°. Principal axes: T 1.8236,Plg56.0000°,Azm95.0000°; N -0.0460,Plg4.0000°,Azm359.0000°; P -1.7775,Plg34.0000°,Azm266.0000° M0 1.80000×10^{18}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s156,c335; s168,c548; Duration: 2s5 Moment tensor: Scale 10^{18}Nm; Mrr0.71±.01 Mθθ0.03±.00; Mϕϕ-0.73±.01; Mrθ0.00±.01; Mθϕ-0.13±.00; Mϕr-1.06±.03; Best double couple: NP1:ϕs181.00000°,δ73.00000°,λ85.00000°. NP2:ϕs18.00000°,δ18.00000°,λ106.00000°. Principal axes: T 1.2710,Plg62.0000°,Azm84.0000°; N 0.0370,Plg5.0000°,Azm183.0000°; P -1.3070,Plg28.0000°,Azm276.0000° M0 1.28900×10^{18}
IDC Error ellipse: s-maj=10.5km s-min=6.7km az=62.0.
BGR Event type ke.

MAJOR INTERMEDIATE FOCUS EARTHQUAKES
60km<h<=300km,M>=5.5

(111) Northern Peru

ISC I 02 13 13 48.1–.25 4.94S–.03 76.34W–.04 110–2 6.0b 1643 3-177
VAO I 02 13 13 47.5–.64 4.90S 76.28W 98–5 5.9b **¶611831450**
MOS I 02 13 13 47.1–1.2 4.89S 76.45W 109 6.0b
BGR I 02 13 13 48.2 5.45S 75.73W 105 6.2b,5.1s
IDC I 02 13 13 48.2–.35 4.85S 76.39W 106–3 5.8,5.5b
NEIC I 02 13 13 48.7–1.7 4.90S–.06 76.37W–.07 106–1 6.1b,5.9
GCMT I 02 13 13 49.7–.10 4.95S–.01 76.46W–.01 120–0 5.9W,5.9
BJI I 02 13 13 49.5–.00 4.90S 76.30W 115 5.9b,5.9
NEIC I 02 13 13 53 4.88S 76.31W 120 5.9b,5.9
ISC Event type se.
VAO Error ellipse: s-maj=2.9km s-min=4.5km az=-1.0.
MOS Error ellipse: s-maj=8.6km s-min=5.3km az=86.4.
BGR Event type ke.
IDC Error ellipse: s-maj=8.7km s-min=6.4km az=93.0.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=9.9km az=246.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; Mrr-7.81 Mθθ0.98 Mϕϕ6.83 Mrθ-1.68 Mθϕ-1.71 Mϕr2.04 NP1:ϕs351.44000°,δ36.54000°,λ-78.77000°. NP2:ϕs157.56000°,δ54.27000°,λ-98.21000°. Principal axes: T 7.6716,Plg9.0000°,Azm253.0000°; N 0.6470,Plg7.0000°,Azm162.0000°; P -8.3186,Plg79.0000°,Azm36.0000° M0 8.01000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s141,c283; s150,c409; Duration: 2s2 Moment tensor: Scale 10^{18}Nm; Mrr-0.83±.01 Mθθ-0.08±.01; Mϕϕ0.90±.01; Mrθ-0.18±.01; Mθϕ-0.25±.01; Mϕr0.24±.01; Best double couple: NP1:ϕs158.00000°,δ54.00000°,λ-101.00000°. NP2:ϕs356.00000°,δ37.00000°,λ-76.00000°. Principal axes: T 1.0050,Plg8.0000°,Azm256.0000°; N -0.1220,Plg9.0000°,Azm165.0000°; P -0.8840,Plg78.0000°,Azm30.0000° M0 0.94400×10^{18}
NEIC Event type se. Moment Tensor Solution.Duration: 8s0 Moment tensor: Scale 10^{17}Nm; Mrr-8.41 Mθθ0.66 Mϕϕ7.75 Mrθ-1.46 Mθϕ-2.05 Mϕr4.09 NP1:ϕs347.00000°,δ31.00000°,λ-86.00000°. NP2:ϕs163.00000°,δ59.00000°,λ-92.00000°. Principal axes: T 9.3570,Plg14.0000°,Azm254.0000°; N 0.1193,Plg2.0000°,Azm164.0000°; P -9.4763,Plg76.0000°,Azm67.0000° M0 9.42000×10^{17}

(201) Irian Jaya

ISC I 03 06 05 00.5–.46 3.41S–.05 139.16E–.05 73 4.4b 94 1-146
IDC I 03 06 04 51.5–.91 3.19S 139.44E 0 4.2,4.1b **¶610236533**
NEIC I 03 06 04 59.2–2.2 3.4S–.10 139.4E–.10 57–8 4.5b,4.1b
DJA I 03 06 04 59.1–.20 3S–2.0 139E–2.0 78–2 5.8b,5.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(280) Banda Sea

ISC I 04 10 37 48.8–.27 6.45S–.04 130.09E–.04 146 4.6b 261 2-155
BJI I 04 10 37 46.9–.00 6.36S 129.91E 143 4.9b,4.6b **¶609977711**
IDC I 04 10 37 48.7–.66 6.37S 129.94E 139–5 4.7,4.2b
DJA I 04 10 37 48.1–.20 6S–2.0 130E–2.0 143–3 5.5,5.5b
NEIC I 04 10 37 49.4–1.7 6.36S–.07 130.07E–.08 141–7 4.7b,5.5b
ISC Event type se. Moment Tensor Solution. NP1:ϕs272.23612°,δ44.92363°,λ142.13860°. NP2:ϕs31.06605°,δ64.31581°,λ51.78326°. Principal axes: T Plg53.8168°,Azm253.2523°; N Plg33.8841°,Azm49.9091°; P Plg11.1979°,Azm147.5491°
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(124) Chile-Bolivia border region

ISC I 06 06 30 34.5–.23 22.29S–.02 67.76W–.02 164–1 5.6b 1716 1-176
SJA I 06 06 30 31.1–.74 22.35S 67.87W 193–8 5.7L,5.4W **¶611831490**
MOS I 06 06 30 32.4–.95 22.06S 67.57W 143 5.6b,5.4W
SCB I 06 06 30 33.9–1.2 22.34S 67.85W 155–15 5.7L,5.4W
GUC I 06 06 30 33.6–.71 22.31S 67.92W 177–5 6.1L,5.4W
VAO I 06 06 30 33.4–.32 22.19S 67.64W 149–3 5.8b,5.4W
IDC I 06 06 30 34.5–1.1 22.22S 67.53W 156–9 5.6,5.1b
BJI I 06 06 30 34.0–.00 22.40S 67.70W 141 5.5b,5.1b
NEIC I 06 06 30 35.5–3.3 22.32S–.05 67.80W–.07 172–1 5.8,5.8
NEIC I 06 06 30 37.4 22.39S 67.83W 170 5.8,5.8
GCMT I 06 06 30 38.5–.10 22.30S–.01 67.88W–.01 175–0 5.8W,5.8
ISC Event type se. Moment Tensor Solution. NP1:ϕs355.61914°,δ77.72891°,λ-88.71415°. NP2:ϕs169.59047°,δ12.33725°,λ-95.89043°. Principal axes: T Plg32.7171°,Azm84.5385°; N Plg1.2565°,Azm175.3458°; P Plg57.2527°,Azm267.3001°
SCB Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; Mrr0.46 Mθθ-1.10 Mϕϕ0.64 Mrθ2.28 Mθϕ-0.38 Mϕr-3.50 NP1:ϕs143.80000°,δ89.66000°,λ99.70000°. NP2:ϕs235.80000°,δ9.70000°,λ2.03000°. Principal axes: T 4.6830,Plg45.0000°,Azm63.0000°; N -0.8904,Plg10.0000°,Azm324.0000°; P -3.7926,Plg44.0000°,Azm224.0000° M0 4.31000×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 3s9 Moment tensor: Scale 10^{17}Nm; Mrr0.49 Mθθ-0.64 Mϕϕ0.15 Mrθ2.38 Mθϕ-0.63 Mϕr-4.76 NP1:ϕs333.64000°,δ89.98000°,λ-89.31000°. NP2:ϕs65.33000°,δ0.69000°,λ-178.31000°. Principal axes: T 5.8164,Plg45.0000°,Azm63.0000°; N -0.9876,Plg1.0000°,Azm154.0000°; P -4.8288,Plg45.0000°,Azm244.0000° M0 5.32000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s136,c259; s146,c334; Duration: 1s8 Moment tensor: Scale 10^{17}Nm; Mrr0.04±.05 Mθθ-0.57±.06; Mϕϕ0.53±.07; Mrθ2.63±.04; Mθϕ-0.47±.05; Mϕr-4.50±.04; Best double couple: NP1:ϕs329.00000°,δ88.00000°,λ-93.00000°. NP2:ϕs208.00000°,δ3.00000°,λ-31.00000°. Principal axes: T 5.5780,Plg43.0000°,Azm62.0000°; N -0.7000,Plg3.0000°,Azm329.0000°; P -4.8780,Plg47.0000°,Azm236.0000° M0 5.22800×10^{17}

(160) Off east coast of North Island

ISC I 06 16 46 11.8–.38 37.79S–.03 177.60E–.03 63–2 5.1b 410 0-167
WEL I 06 16 46 00 37.72S 177.53E 60 4.9W,4.8L **¶610038457**
BJI I 06 16 46 08.0–.00 37.80S 177.50E 40 5.6b,5.1b
IDC I 06 16 46 10.7–1.2 37.86S 177.78E 64–8 4.8,4.6b
NEIC I 06 16 46 11.1–2.5 37.89S–.06 177.68E–.08 53–4 5.0b,4.9
NOU I 06 16 46 11.1 38.00S 177.94E 62 5.1b,4.9
WEL I 06 16 46 12.2–.48 38S–4.0 178E–3.0 28–5 5.2L,4.8
NEIC I 06 16 46 12 37.87S 177.71E 50 5.2L,4.8
GCMT I 06 16 46 15.1–.30 37.82S–.02 177.91E–.03 63–1 5.0W,4.8
ISC Event type se.
WEL Moment Tensor Solution. s9 Moment tensor: Scale 10^{16}Nm; Mrr1.80 Mθθ0.19 Mϕϕ-1.99 Mrθ-0.59 Mθϕ-0.66 Mϕr2.05 NP1:ϕs218.00000°,δ28.00000°,λ132.00000°. NP2:ϕs353.00000°,δ70.00000°,λ71.00000°. Principal axes: T 2931.4600,Plg61.0000°,Azm235.0000°; N 0.6700,Plg18.0000°,Azm359.0000°; P -2932.1400,Plg22.0000°,Azm98.0000° M0 2.93000×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; Mrr2.54 Mθθ-0.23 Mϕϕ-2.31 Mrθ-0.46 Mθϕ-1.40 Mϕr1.47 NP1:ϕs227.34000°,δ37.93000°,λ124.35000°. NP2:ϕs6.43000°,δ59.50000°,λ66.26000°. Principal axes: T 3.1615,Plg66.0000°,Azm231.0000°; N 0.0745,Plg20.0000°,Azm19.0000°; P -3.2360,Plg11.0000°,Azm113.0000° M0 3.20000×10^{16}
NOU Off E. Coast of N. Island, N.Z.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Moment Tensor Solution.Duration: 2s0 Moment tensor: Scale 10^{16}Nm; Mrr2.82 Mθθ-0.04 Mϕϕ-2.78 Mrθ-0.25 Mθϕ-0.39 Mϕr1.69 NP1:ϕs196.00000°,δ30.00000°,λ104.00000°. NP2:ϕs360.00000°,δ61.00000°,λ82.00000°. Principal axes: T 3.3229,Plg73.0000°,Azm249.0000°; N -0.0471,Plg7.0000°,Azm4.0000°; P -3.2758,Plg15.0000°,Azm96.0000° M0 3.30000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s43,c52; s75,c97;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr3.00±.19 Mθθ0.85±.16; Mϕϕ-3.85±.12; Mrθ-0.48±.10; Mθϕ-1.40±.12; Mϕr1.08±.10; Best double couple: NP1:ϕs358.00000°,δ55.00000°,λ67.00000°. NP2:ϕs215.00000°,δ41.00000°,λ119.00000°. Principal axes: T 3.3700,Plg70.0000°,Azm214.0000°; N 0.9800,Plg19.0000°,Azm12.0000°; P -4.3510,Plg7.0000°,Azm104.0000° M0 3.86100×10^{16}

(259) Mindanao

ISC I 07 02 38 32.2–.65 5.66N–.04 126.60E–.05 73–6 4.7b 201 1-147
MAN I 07 02 38 29.7 5.62N 126.60E 56 5.4b,4.7s **¶610038902**
BJI I 07 02 38 30.3–.00 5.46N 126.71E 78 5.0b,4.7b
NEIC I 07 02 38 31.5–1.7 5.66N–.06 126.59E–.09 62–4 4.8b,4.7b
IDC I 07 02 38 31.6–1.6 5.68N 126.59E 66–15 4.5,4.1b
DJA I 07 02 38 32.2–.40 6N–3.0 127E–2.0 66–3 5.5b,5.4
ISC Event type fe.
MAN Event type fe. INTENSITY I - GENERAL SANTOS CITY.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(287) Sumba region

ISC	**I**	**07 09 11 59.6–.26**	**9.35S–.03**	**120.14E–.03**	**83–2**	**5.5b**	**1073**	**1-169**
IDC	I	07 09 11 49.1–.30	9.21S	120.16E	0	5.6L,5.5	¶610570499	
KLM	I	07 09 11 54	9.04S	120.57E	26	5.7b,5.5		
BJI	I	07 09 11 58.0–.00	9.40S	120.20E	91	5.6b,5.3b		
GCMT	I	07 09 11 59.5–.20	9.37S–.01	120.19E–.01	97–1	5.2W,5.3b		
NEIC	I	07 09 11 59.5–2.3	9.32S–.07	120.21E–.06	76–4	5.6b,5.2		
DJA	I	07 09 11 59.6–.10	10S–1.0	120E–1.0	82–2	5.9,5.9b		
MOS	I	07 09 12 01.0–1.0	9.20S	120.21E	111	5.5b,5.9b		
NEIC	I	07 09 12 04	9.46S	120.20E	60	5.5b,5.9b		

ISC Event type se. Moment Tensor Solution. NP1:φs272.06189°,δ56.45408°,λ-96.85582°. NP2: φs104.33651°,δ34.15888°,λ-79.79399°. Principal axes: T Plg11.2078°,Azm6.9983° ; N Plg5.7098°,Azm275.8630°; P Plg77.3878°,Azm159.3206°
IDC Error ellipse: s-maj=12.2km s-min=8.6km az=66.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s99,c145; s119,c200;Duration: 1s0 Moment tensor: Scale 10^{16}Nm; Mrr-4.28±.17 Mθθ6.33±.19; Mφφ-2.06±.23; Mrθ3.97±.11; Mrφ4.08±.14; Mθφ1.79±.13; Best double couple: NP1:φs244.00000°,δ63.00000°,λ-95.00000°. NP2:φs75.00000°,δ28.00000°,λ-81.00000°. Principal axes: T 9.3740,Plg18.0000° ,Azm338.0000°; N -3.7050,Plg4.0000°,Azm246.0000°; P -5.6800,Plg72.0000° ,Azm143.0000° M0 7.52700×10^{16}
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=8.1km az=206.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=8.7km s-min=4.5km az=119.0.
NEIC Event type se. Moment Tensor Solution.Duration: 10s0 Moment tensor: Scale 10^{16}Nm; Mrr-5.19 Mθθ3.52 Mφφ1.67 Mrθ4.92 Mrφ2.97 Mθφ2.17 NP1:φs43.00000°,δ24.00000° ,λ-107.00000°. NP2:φs243.00000°,δ67.00000°,λ-82.00000°. Principal axes: T 7.8452,Plg22.0000°,Azm327.0000°; N -0.3692,Plg7.0000°,Azm60.0000° ; P -7.4759,Plg67.0000°,Azm167.0000° M0 7.67000×10^{16}

(207) Eastern New Guinea region

ISC	**I**	**08 08 52 08.0–.19**	**6.18S–.02**	**147.52E–.03**	**69–1**	**5.7b**	**1695**	**3-168**
BJI	I	08 08 52 02.6–.00	6.40S	147.95E	68	5.7b,5.4s	¶611831504	
MOS	I	08 08 52 04.7–.96	6.12S	147.45E	50	5.8b,5.4s		
NEIC	I	08 08 52 07.9–1.5	6.23S–.06	147.48E–.07	61–1	5.9,5.8b		
IDC	I	08 08 52 07.2–1.0	6.13S	147.59E	59–8	5.5,5.2b		
KLM	I	08 08 52 09	6.22S	147.53E	62	6.3b,5.2b		
DJA	I	08 08 52 10.2–.30	6S–2.0	148E–2.0	76–3	6.4b,6.2		
GCMT	I	08 08 52 10.9–.10	6.41S	147.65E	65–0	5.9W,6.2		
NEIC	I	08 08 52 17.7	6.33S	147.48E	50	5.9W,6.2		

ISC Event type se. Moment Tensor Solution. NP1:φs214.86702°,δ25.50133°,λ22.50899°. NP2: φs104.35997°,δ80.51323°,λ113.78143°. Principal axes: T Plg49.0046°,Azm40.1240° ; N Plg23.4366°,Azm280.2058°; P Plg31.4445°,Azm174.8347°
MOS Error ellipse: s-maj=6.7km s-min=4.4km az=106.4.
NEIC Event type se. Error ellipse: s-maj=11.4km s-min=9.7km az=279.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; Mrr3.50 Mθθ-5.21 Mφφ1.71 Mrθ5.26 Mrφ0.05 Mθφ-2.45 NP1:φs112.18000°,δ73.38000°,λ108.72000°. NP2:φs242.34000°,δ24.83000° ,λ42.93000°. Principal axes: T 6.9158,Plg58.0000°,Azm47.0000°; N 0.9034,Plg18.0000° ,Azm287.0000°; P -7.8192,Plg26.0000°,Azm188.0000° M0 7.41000×10^{17}
IDC Error ellipse: s-maj=9.8km s-min=7.0km az=93.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s160,c343; s155,c453; Duration: 2s3 Moment tensor: Scale 10^{18}Nm; Mrr0.54±.01 Mθθ-0.87±.01; Mφφ0.33±.01; Mrθ0.55±.01; Mrφ0.13±.01; Mθφ-0.39±.01; Best double couple: NP1:φs121.00000°,δ70.00000° ,λ117.00000°. NP2:φs245.00000°,δ33.00000°,λ39.00000°. Principal axes: T 0.9210,Plg56.0000°,Azm67.0000°; N 0.1870,Plg25.0000°,Azm291.0000° ; P -1.1080,Plg20.0000°,Azm191.0000° M0 1.01500×10^{18}
NEIC Event type se. Moment Tensor Solution.Duration: 4s5 Moment tensor: Scale 10^{17}Nm; Mrr6.61 Mθθ-8.19 Mφφ1.58 Mrθ4.83 Mrφ1.67 Mθφ-3.69 NP1:φs118.36000°,δ65.57000° ,λ109.61000°. NP2:φs257.63000°,δ30.95000°,λ53.55000°. Principal axes: T 9.3178,Plg64.0000°,Azm61.0000°; N 0.9285,Plg18.0000°,Azm290.0000° ; P -10.2463,Plg18.0000°,Azm194.0000° M0 9.78000×10^{17}

(192) New Britain region

ISC	**I**	**11 18 35 40.1–.33**	**5.88S–.03**	**148.93E–.04**	**124–3**	**5.0b**	**590**	**3-153**
BJI	I	11 18 35 36.9–.00	6.28S	148.80E	130	5.2b,4.8b	¶610056574	
IDC	I	11 18 35 39.4–.58	5.85S	148.90E	116–5	5.0,4.5b		
NEIC	I	11 18 35 40.1–1.4	5.82S–.07	148.92E–.08	122–7	4.9b,4.5b		
GCMT	I	11 18 35 42.2–.20	5.99S–.01	149.02E–.01	120–1	5.2W,4.5b		
DJA	I	11 18 35 42.1–.40	6S–3.0	149E–3.0	150–4	5.5b,5.3		
KLM	I	11 18 35 49	5.76S	148.46E	192	5.4b,5.3		

ISC Event type se. Moment Tensor Solution. NP1:φs6.04472°,δ48.44001°,λ167.53032°. NP2: φs104.39075°,δ80.70215°,λ42.23986°. Principal axes: T Plg35.6860°,Azm334.2609° ; N Plg46.9376°,Azm114.4800°; P Plg20.7844°,Azm228.4422°
IDC Error ellipse: s-maj=9.4km s-min=7.0km az=109.0.
NEIC Event type se. Error ellipse: s-maj=12.9km s-min=8.0km az=129.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s72,c96; s117,c192;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr2.33±.14 Mθθ-2.70±.16; Mφφ0.37±.15; Mrθ4.83±.10; Mrφ4.13±.14; Mθφ1.13±.10; Best double couple: NP1:φs88.00000°,δ77.00000°,λ51.00000°. NP2:φs342.00000°,δ41.00000°,λ160.00000°. Principal axes: T 6.9120,Plg44.0000° ,Azm320.0000°; N 0.0450,Plg38.0000°,Azm98.0000°; P -6.9570,Plg22.0000°,Azm206.0000° M0 6.93500×10^{16}

(123) Northern Chile

ISC	**I**	**11 21 58 17.9–.22**	**22.81S–.02**	**69.79W–.03**	**73–1**	**5.9b**	**1739**	**0-176**
VAO	I	11 21 58 09.9–.28	22.79S	69.82W	10	5.9b	¶611831542	
SJA	I	11 21 58 15.9–.79	22.81S	69.81W	86–3	5.7L,5.4W		
MOS	I	11 21 58 17.4–1.1	22.61S	69.77W	67	6.2b,5.1s		
IDC	I	11 21 58 17.2–2.0	22.75S	69.56W	60–17	5.5,5.2b		
GUC	I	11 21 58 18.1–.65	22.80S	69.79W	79–3	5.7L,5.2b		
NEIC	I	11 21 58 18.4–2.2	22.82S–.04	69.80W–.05	72–1	5.9b,5.8		
NEIC	I	11 21 58 22.5	22.83S	69.73W	70	5.9b,5.8		
GCMT	I	11 21 58 22.4–.10	22.79S–.01	69.91W–.01	77–0	5.7W,5.8		

ISC Event type se. Moment Tensor Solution. NP1:φs203.22412°,δ29.44124°,λ-65.89908°. NP2: φs356.03558°,δ63.34079°,λ-102.97878°. Principal axes: T Plg17.3690°,Azm95.6140° ; N Plg11.5787°,Azm1.9396°; P Plg68.9166°,Azm239.8377°
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; Mrr-3.73 Mθθ-0.26 Mφφ4.00 Mrθ-1.46 Mrφ1.52 Mθφ-2.98 NP1:φs23.70000°,δ64.57000°,λ-84.06000°. NP2:φs190.08000°,δ26.07000° ,λ-102.28000°. Principal axes: T 5.6373,Plg19.0000°,Azm109.0000°; N -0.7044,Plg5.0000° ,Azm201.0000°; P -4.9329,Plg70.0000°,Azm306.0000° M0 5.32000×10^{17} Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; Mrr-4.60 Mθθ-0.04 Mφφ4.64 Mrθ-2.35 Mrφ2.64 Mθφ-1.96 NP1:φs39.46000°,δ60.86000°,λ-72.43000°. NP2:φs186.42000°,δ33.62000° ,λ-118.44000°. Principal axes: T 6.5278,Plg14.0000°,Azm117.0000°; N -0.8593,Plg15.0000° ,Azm211.0000°; P -5.6685,Plg69.0000°,Azm346.0000° M0 6.14000×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 4s1 Moment tensor: Scale 10^{17}Nm; Mrr-5.17 Mθθ-0.59 Mφφ5.77 Mrθ-1.65 Mrφ1.88 Mθφ-0.67 NP1:φs31.36000°,δ52.70000° ,λ-68.60000°. NP2:φs178.47000°,δ42.22000°,λ-115.59000°. Principal axes: T 6.3828,Plg5.0000°,Azm106.0000°; N -0.6764,Plg17.0000°,Azm198.0000° ; P -5.7064,Plg72.0000°,Azm359.0000° M0 6.04000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s139,c223; s151,c330; Duration: 1s8 Moment tensor: Scale 10^{17}Nm; Mrr-3.76±.06 Mθθ-1.21±.05; Mφφ4.98±.06; Mrθ-1.77±.04; Mrφ1.58±.05; Mθφ-0.94±.05; Best double couple: NP1:φs36.00000°,δ58.00000° ,λ-60.00000°. NP2:φs169.00000°,δ43.00000°,λ-129.00000°. Principal axes: T 5.5540,Plg8.0000°,Azm105.0000°; N -0.8770,Plg25.0000°,Azm199.0000° ; P -4.6680,Plg63.0000°,Azm358.0000° M0 5.11100×10^{17}

(706) Northern Sumatera

ISC	**I**	**13 09 23 41.9–.45**	**0.79N–.05**	**100.54E–.05**	**239–4**	**4.5b**	**206**	**1-147**
DJA	I	13 09 23 40.3–.10	1N–2.0	100E–2.0	266–2	5.6b,5.4	¶610237289	
IDC	I	13 09 23 41.9–.60	0.88N	100.51E	234–5	4.5,3.9b		
NEIC	I	13 09 23 43.2–2.0	0.85N–.07	100.54E–.06	243–4	4.6b,3.9b		

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

(265) Minahassa Peninsula, Sulawesi

ISC	**I**	**17 11 11 14.1–.83**	**0.30S–.05**	**122.88E–.07**	**78**	**3.6b**	**20**	**1-59**
DJA	I	17 11 11 12.8–.80	0S–2.0	123E–3.0	30–13	6.0b,5.6	¶610237594	
IDC	I	17 11 11 15.8–2.3	0.38S	122.73E	86–21	3.8,3.3b		

ISC Event type ke.
IDC Error ellipse: s-maj=23.2km s-min=18.3km az=83.0.

(173) Tonga Islands

ISC	**I**	**20 17 36 08.7–.45**	**17.31S–.06**	**174.06W–.04**	**110–3**	**4.9b**	**193**	**4-150**
IDC	I	20 17 36 06.1–1.7	17.26S	174.24W	88–16	4.5,4.2b	¶610103759	
BJI	I	20 17 36 07.0–.00	17.63S	174.19W	103	5.5b,4.7b		
NEIC	I	20 17 36 08.6–2.2	17.24S–.04	174.07W–.09	110–7	5.1b,4.7b		
NOU	I	20 17 36 09.2	16.86S	173.63W	167	4.6b,4.7b		
GCMT	I	20 17 36 15.6–.10	17.41S–.01	173.71W–.01	150–1	5.3W,4.7b		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Tonga Islands.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s97,c140; s139,c230;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; Mrr-0.46±.02 Mθθ-0.17±.02; Mφφ0.63±.02; Mrθ0.42±.01; Mrφ0.08±.02; Mθφ0.79±.01; Best double couple: NP1:φs206.00000°,δ76.00000°,λ-75.00000°. NP2:φs340.00000°,δ21.00000°,λ-134.00000°. Principal axes: T 1.0990,Plg29.0000° ,Azm284.0000°; N -0.0840,Plg14.0000°,Azm22.0000°; P -1.0150,Plg57.0000° ,Azm135.0000° M0 1.05700×10^{17}

(267) Halmahera

ISC	**I**	**21 05 16 33.4–.24**	**2.82N–.03**	**128.21E–.03**	**61–1**	**5.6b**	**1507**	**2-176**
MAN	I	21 05 16 26.5	2.43N	128.28E	65	6.0b,5.6s	¶610104707	
IDC	I	21 05 16 29.1–1.4	2.94N	128.17E	30–9	5.4L,5.2		
MOS	I	21 05 16 30.3–1.2	2.89N	128.13E	52	5.8b,4.8s		
KLM	I	21 05 16 31	2.87N	128.43E	44	5.9b,4.8s		
NEIC	I	21 05 16 31.8–2.1	2.83N–.06	128.21E–.06	47–5	5.7b,5.6		
GCMT	I	21 05 16 32.8–.10	2.99N–.01	128.23E–.01	33–0	5.6W,5.6		
DJA	I	21 05 16 34.1–.20	3N–2.0	128E–1.0	55–2	6.0b,5.9		
NEIC	I	21 05 16 35.3	2.95N	128.41E	46	6.0b,5.9		

ISC Event type se. Moment Tensor Solution. NP1:φs89.91621°,δ83.32450°,λ178.30075°. NP2: φs180.11380°,δ88.31227°,λ6.67841°. Principal axes: T Plg5.9133°,Azm45.1981° ; N Plg83.1126°,Azm194.2327°; P Plg3.5186°,Azm314.8332°
IDC Error ellipse: s-maj=12.7km s-min=7.5km az=72.0.
MOS Error ellipse: s-maj=7.1km s-min=4.0km az=113.8.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=7.9km az=57.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s124,c221; s140,c237;Duration: 1s5 Moment tensor: Scale 10^{17}Nm; Mrr-0.04±.04 Mθθ1.79±.04; Mφφ-1.75±.04; Mrθ-0.56±.07; Mrφ-2.15±.03; Mθφ0.87±.07; Best double couple: NP1:φs341.00000°,δ87.00000°,λ20.00000°. NP2:φs250.00000°,δ70.00000°,λ177.00000°. Principal axes: T 3.0590,Plg16.0000° ,Azm207.0000°; N -0.1840,Plg70.0000°,Azm350.0000°; P -2.8750,Plg11.0000° ,Azm113.0000° M0 2.96700×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 3s3 Moment tensor: Scale 10^{17}Nm; Mrr-0.41 Mθθ2.02 Mφφ-1.61 Mrθ0.14 Mrφ-2.54 Mθφ0.70 NP1:φs161.31000°,δ82.01000° ,λ-12.50000°. NP2:φs253.08000°,δ77.63000°,λ-171.82000°. Principal axes: T 3.3348,Plg3.0000°,Azm208.0000°; N -0.2431,Plg75.0000°,Azm309.0000° ; P -3.0916,Plg14.0000°,Azm117.0000° M0 3.21000×10^{17}

(280) Banda Sea

ISC	**I**	**21 06 30 48.4–.43**	**6.19S–.04**	**130.34E–.04**	**116–4**	**4.8b**	**382**	**2-151**
BJI	I	21 06 30 47.8–.00	6.51S	130.26E	140	5.1b,4.9b	¶610104710	
DJA	I	21 06 30 49.5–.20	6S–2.0	130E–2.0	124–2	5.6,5.6b		
NEIC	I	21 06 30 49.5–1.5	6.12S–.05	130.33E–.07	118–7	5.0b,5.6b		
KLM	I	21 06 30 49	6.27S	130.27E	96	5.3b,5.6b		
MOS	I	21 06 30 49.0–.87	6.20S	130.33E	135	4.8b,5.6b		
IDC	I	21 06 30 50.5–1.5	6.20S	130.27E	127–12	4.7,4.3b		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=6.2km az=108.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=11.9km s-min=5.9km az=124.3.
IDC Error ellipse: s-maj=14.1km s-min=8.6km az=62.0.

(193) Bougainville-Solomon Islands region

ISC	**I**	**22 04 30 24.6–.23**	**6.23S–.02**	**155.07E–.03**	**157–1**	**7.2b**	**2982**	**4-164**
MOS	I	22 04 30 22.7–.91	6.18S	155.00E	155	7.4s,7.1b	¶611831635	
BJI	I	22 04 30 22.4–.00	6.19S	155.14E	160	7.8b,6.6b		
NEIC	I	22 04 30 23.0–2.5	6.25S–.07	155.17E–.06	135–1	7.9,7.9		
IDC	I	22 04 30 23.5–.89	6.20S	155.07E	148–7	7.4s,6.6		
DJA	I	22 04 30 24.9–.40	6S–2.0	155E–2.0	163–4	7.9,7.9		
KLM	I	22 04 30 25	6.05S	155.29E	166	7.3b,7.9		
GCMT	I	22 04 30 38.0–.10	6.03S	154.94E	150–0	7.9W,7.9		
NEIC	I	22 04 30 54.2	6.05S	154.39E	145	7.9W,7.9		
NEIC	I	22 04 31 04.7	6.21S	154.93E	140	7.9W,7.9		

ISC Event type se. Moment Tensor Solution. NP1:φs237.29369°,δ29.84488°,λ35.37120°. NP2: φs115.67075°,δ73.25711°,λ115.07224°. Principal axes: T Plg54.7885°,Azm56.9813° ; N Plg23.9410°,Azm287.9950°; P Plg24.1813°,Azm186.4951°
MOS Error ellipse: s-maj=6.9km s-min=4.8km az=112.8. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:φs135.00000°,δ58.00000°,λ101.00000°. NP2: φs294.00000°,δ33.00000°,λ73.00000°. Principal axes: T Plg74.0000°,Azm74.0000° ; N Plg9.0000°,Azm309.0000°; P Plg13.0000°,Azm217.0000°
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=10.0km az=214.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{20}Nm; Mrr7.88 Mθθ-4.43 Mφφ-3.44 Mrθ0.72 Mrφ3.23 Mθφ-0.95 NP1:φs132.34000°,δ49.40000°,λ92.16000°. NP2:φs309.02000°,δ40.65000° ,λ87.48000°. Principal axes: T 7.9733,Plg85.0000°,Azm61.0000°; N -0.6821,Plg2.0000° ,Azm311.0000°; P -7.2912,Plg4.0000°,Azm221.0000° M0 7.65000×10^{20}
IDC Error ellipse: s-maj=7.0km s-min=5.3km az=57.0.
GCMT nsta1 refers to body waves, cutoff=50s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s171,c495; s171,c975; Duration: 21s5 Moment tensor: Scale 10^{21}Nm; Mrr0.84±.00 Mθθ-0.58±.00; Mφφ-0.25±.00; Mrθ0.09±.00; Mrφ0.39±.00; Mθφ-0.17±.00; Best double couple: NP1:φs129.00000°,δ51.00000° ,λ97.00000°. NP2:φs298.00000°,δ40.00000°,λ81.00000°. Principal axes: T 0.8670,Plg82.0000°,Azm81.0000°; N -0.0110,Plg6.0000°,Azm305.0000° ; P -0.8560,Plg6.0000°,Azm214.0000° M0 0.86200×10^{21}
NEIC Event type se. Moment Tensor Solution.Duration: 50s4 Moment tensor: Scale 10^{20}Nm; Mrr9.46 Mθθ-6.19 Mφφ-3.27 Mrθ0.59 Mrφ4.13 Mθφ-1.29 NP1:φs301.23000°,δ41.39000° ,λ83.86000°. NP2:φs129.39000°,δ48.90000°,λ95.39000°. Principal axes: T 9.5901,Plg84.0000°,Azm83.0000°; N -0.3982,Plg4.0000°,Azm306.0000° ; P -9.1918,Plg4.0000°,Azm216.0000° M0 9.39000×10^{20}
NEIC Event type se. Moment Tensor Solution.Duration: 46s2 Moment tensor: Scale 10^{20}Nm; Mrr9.01 Mθθ-5.93 Mφφ-3.09 Mrθ0.73 Mrφ3.78 Mθφ-1.76 NP1:φs130.83000°,δ50.49000° ,λ97.72000°. NP2:φs298.81000°,δ40.13000°,λ80.75000°. Principal axes: T 9.2674,Plg82.0000°,Azm84.0000°; N -0.5720,Plg6.0000°,Azm306.0000° ; P -8.6953,Plg5.0000°,Azm215.0000° M0 8.98000×10^{20}

(160) Off east coast of North Island

ISC	**I**	**22 21 00 16.4–.40**	**37.81S–.03**	**177.62E–.03**	**67–3**	**5.4b**	**598**	**0-178**
WEL	I	22 21 00 00	37.79S	177.51E	52	5.0L,4.9W	¶610105258	
IDC	I	22 21 00 15.0–.97	38.03S	177.74E	62–6	5.2,5.0b		
BJI	I	22 21 00 14.3–.00	37.95S	178.12E	71	5.8b,5.2s		
NEIC	I	22 21 00 15.9–2.5	37.95S–.06	177.79E–.08	64–4	5.3b,5.0		
WEL	I	22 21 00 16.5–.30	38S–3.0	178E–2.0	29–3	5.4L,5.1		
MOS	I	22 21 00 16.0–1.6	37.83S	177.61E	70	5.5b,5.1		
NOU	I	22 21 00 16.3	37.95S	177.71E	51	5.4b,5.1		

ISC Event type se.
WEL Moment Tensor Solution. s6 Moment tensor: Scale 10^{16}Nm; Mrr-0.06 Mθθ0.02 Mφφ0.04 Mrθ0.46 Mrφ-0.72 Mθφ2.87 NP1:φs276.00000°,δ13.00000°,λ179.00000°. NP2:φs8.00000° ,δ90.00000°,λ77.00000°. Principal axes: T -3101.4500,Plg44.0000°,Azm266.0000° ; N 224.8500,Plg13.0000°,Azm8.0000°; P 2876.6000,Plg43.0000°,Azm111.0000° M0 2.99000×10^{16}
IDC Error ellipse: s-maj=18.5km s-min=15.6km az=149.0.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=5.8km az=132.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; Mrr3.44 Mθθ-2.42 Mφφ-1.02 Mrθ-0.06 Mrφ-2.64 Mθφ2.10 NP1:φs256.86000°,δ42.07000°,λ129.66000°. NP2:φs28.71000°,δ58.94000° ,λ60.05000°. Principal axes: T 4.4458,Plg63.0000°,Azm248.0000°; N 0.2024,Plg25.0000° ,Azm45.0000°; P -4.6482,Plg9.0000°,Azm140.0000° M0 4.55000×10^{16}

WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=4.9.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
MOS Error ellipse: s-maj=15.5km s-min=11.4km az=32.1.
NOU Off E. Coast of N. Island, N.Z.

(221) Kuril Islands

ISC	**I**	**25 18 31 28.7–.41**	**45.33N–.05**	**151.50E–.04**	**66–2**	**4.7b**	**324**	**3-149**
BJI	I	25 18 31 26.4–.00	45.77N	151.62E	56	5.0b,4.8s		**¶610121979**
MOS	I	25 18 31 28.2–1.1	45.52N	151.46E	72	4.8b,3.1s		
NIED	I	25 18 31 29.6	45.43N	151.31E	30	4.5W,3.1s		
JMA	I	25 18 31 29.6–.79	45N–4.0	151E–5.0	30	5.4,3.1s		
SKHL	I	25 18 31 30.1–.50	45.40N	151.40E	86–4	6.2,5.6b		
NEIC	I	25 18 31 31.7–2.2	45.7N–.10	151.33E–.10	74–9	4.8b,5.6b		
IDC	I	25 18 31 31.2–.49	45.63N	151.28E	79–4	4.3,4.0b		

ISC Event type ke.
MOS Error ellipse: s-maj=6.9km s-min=5.6km az=91.6.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; Mrr0.23 Mθθ3.00 Mϕϕ-3.23 Mrθ2.51 Mθϕ-4.42 Mϕr0.27 NP1:ϕs72.00000°,δ86.00000°,λ155.00000°. NP2:ϕs164.00000°,δ66.00000°,λ5.00000°. M0 5.96000×10^{15}
JMA Event type ke. KURILE ISLANDS REGION .
NEIC Event type se. Error ellipse: s-maj=22.1km s-min=2.4km az=154.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=13.9km s-min=9.1km az=154.0.

(370) Crete

ISC	**I**	**25 18 50 52.1–.22**	**35.43N–.02**	**26.44E–.02**	**63–1**	**5.4b**	**2711**	**0-152**
MOS	I	25 18 50 51.8–.97	35.41N	26.35E	74	5.5b		**¶610505703**
HLW	I	25 18 50 51.4	35.32N	26.67E	41–47	5.9L,5.5		
NEIC	I	25 18 50 51.8–1.8	35.36N–.06	26.42E–.05	57–5	5.4b,5.2		
GCMT	I	25 18 50 51.8–.20	35.25N–.02	26.55E–.02	84–2	5.3W,5.2		
MED_R	I	25 18 50 52.0–.30	35.38N	26.46E	65–2	5.3W,5.2		
IDC	I	25 18 50 52.9–.32	35.50N	26.42E	63–2	5.3,5.0b		
ISK	I	25 18 50 52.0	35.44N	26.45E	22–0	5.3L,5.0b		
DDA	I	25 18 50 52.9–.00	35.51N	26.51E	37–4	5.0W,5.0b		
BEO	I	25 18 50 53.3–.70	35.44N	26.06E	0	5.0L,5.0b		
TIR	I	25 18 50 53.4	35.34N	25.62E	41–10	5.8L,5.0b		
ATH	I	25 18 50 53.6	35.40N	26.45E	61	5.2W,5.0b		
NIC	I	25 18 50 53.5–.00	35.00N	26.84E	32–68	5.5L,5.0b		
PDG	I	25 18 50 54.9–.64	35.33N	26.46E	50–6	5.3,5.2L		
THE	I	25 18 50 54.3	35.41N	26.45E	54–1	5.4L,5.2L		
GII	I	25 18 50 55.7–.38	35.00N	26.99E	40	5.7,5.5		
NEIC	I	25 18 50 55	35.40N	26.44E	50	5.7,5.5		

ISC Event type ke.
MOS Error ellipse: s-maj=4.2km s-min=2.3km az=89.5.
NEIC Event type se. Error ellipse: s-maj=8.7km s-min=6.2km az=169.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s75,c90; s86,c100;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; Mrr0.30±.03 Mθθ0.96±.03; Mϕϕ-1.27±.03; Mrθ0.23±.03; Mθϕ0.56±.04; Mϕr0.15±.04; Best double couple: NP1:ϕs30.00000°,δ81.00000°,λ166.00000°. NP2:ϕs123.00000°,δ76.00000°,λ10.00000°. Principal axes: T 1.1700,Plg16.0000°,Azm346.0000°; N 0.2350,Plg73.0000°,Azm177.0000°; P -1.4070,Plg3.0000°,Azm77.0000° M0 1.28900×10^{17}
MED_R Error ellipse: s-maj=1.1km s-min=2.2km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=35s. Moment Tensor Solution. Body waves: s8,c9; Mantle waves: s29,c44;Duration: 1s5 Moment tensor: Scale 10^{17}Nm; Mrr0.14±.03 Mθθ0.82±.02; Mϕϕ-0.96±.03; Mrθ0.12±.02; Mθϕ0.35±.03; Mϕr0.12±.03; Best double couple: NP1:ϕs34.00000°,δ86.00000°,λ169.00000°. NP2:ϕs125.00000°,δ79.00000°,λ4.00000°. Principal axes: T 0.9100,Plg11.0000°,Azm349.0000°; N 0.1200,Plg78.0000°,Azm193.0000°; P -1.0400,Plg5.0000°,Azm80.0000° M0 0.98000×10^{17}
IDC Error ellipse: s-maj=8.4km s-min=4.3km az=162.0.
ISK Event type ke.
BEO Event type ke.
ATH Moment Tensor Solution. s7 Moment tensor: Mrr-0.07 Mθθ6.95 Mϕϕ-6.88 Mrθ1.59 Mθϕ4.19 Mϕr0.47 NP1:ϕs29.00000°,δ82.00000°,λ172.00000°. NP2:ϕs120.00000°,δ82.00000°,λ8.00000°.
NIC Event type ke.
PDG Event type ke. Error ellipse: s-maj=2.1km s-min=1.6km az=90.0.
THE Event type ke. Error ellipse: s-maj=2.0km s-min=0.4km az=161.0.
GII Event type ke.
NEIC Event type se. Moment Tensor Solution.Duration: 8s0 Moment tensor: Scale 10^{16}Nm; Mrr-1.03 Mθθ8.45 Mϕϕ-7.42 Mrθ0.60 Mθϕ3.92 Mϕr-1.26 NP1:ϕs32.00000°,δ82.00000°,λ-173.00000°. NP2:ϕs301.00000°,δ84.00000°,λ-8.00000°. Principal axes: T 9.3753,Plg2.0000°,Azm347.0000°; N -0.7940,Plg80.0000°,Azm86.0000°; P -8.5812,Plg10.0000°,Azm257.0000° M0 9.00000×10^{16}

(193) Bougainville-Solomon Islands region

ISC	**I**	**28 01 43 26.6–.42**	**5.94S–.06**	**154.84E–.07**	**150**	**4.5b**	**96**	**3-153**
NEIC	I	28 01 43 28.8–1.0	5.95S–.08	154.75E–.08	166–7	4.6b		**¶610145106**
IDC	I	28 01 43 29.8–1.2	5.97S	154.67E	179–10	4.6,4.1b		
DJA	I	28 01 43 34.1–.40	6S–3.0	155E–4.0	223–5	5.7b,5.5		

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

(193) Bougainville-Solomon Islands region

ISC	**I**	**28 05 58 02.2–.39**	**5.93S–.05**	**154.75E–.06**	**200**	**4.4b**	**126**	**3-152**
DJA	I	28 05 57 32.5–1.2	5S–8.0	156E–14	10	5.5b,5.2		**¶610145113**
NEIC	I	28 05 57 59.9–1.3	5.99S–.09	154.82E–.10	170–7	4.6b,5.2		
IDC	I	28 05 57 59.9–1.2	6.07S	154.70E	179–10	4.5,4.0b		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.4km s-min=12.1km az=66.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=11.5km s-min=9.0km az=90.0.

(192) New Britain region

ISC	**I**	**28 09 24 58.4–.39**	**5.58S–.03**	**151.87E–.04**	**61–3**	**5.2b**	**736**	**1-157**
NEIC	I	28 09 24 55.2–2.5	5.60S–.06	151.84E–.08	27–3	5.3b,5.2		**¶610180920**
BJI	I	28 09 24 56.8–.00	5.44S	152.18E	76	5.2b,5.1b		
MOS	I	28 09 24 57.8–.89	5.28S	151.56E	55	5.4b,5.0s		
DJA	I	28 09 24 58.5–.50	6S–3.0	152E–4.0	64–4	5.9,5.5b		
IDC	I	28 09 24 58.5–1.3	5.46S	151.72E	58–11	4.8,4.5s		
GCMT	I	28 09 24 59.2–.10	5.74S–.01	151.77E–.01	30–0	5.3W,4.5s		
NEIC	I	28 09 25 01.5	5.67S	151.75E	30	5.3W,4.5s		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.3km s-min=7.4km az=114.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=10.3km s-min=6.4km az=107.6.
IDC Error ellipse: s-maj=12.8km s-min=8.1km az=116.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s105,c174; s107,c178;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; Mrr0.73±.02 Mθθ-0.82±.01; Mϕϕ0.08±.01; Mrθ0.59±.02; Mθϕ-0.29±.01; Mϕr-0.02±.03; Best double couple: NP1:ϕs86.00000°,δ64.00000°,λ103.00000°. NP2:ϕs239.00000°,δ29.00000°,λ66.00000°. Principal axes: T 0.9470,Plg69.0000°,Azm22.0000°; N 0.1320,Plg12.0000°,Azm260.0000°; P -1.0790,Plg18.0000°,Azm167.0000° M0 1.01300×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 2s1 Moment tensor: Scale 10^{16}Nm; Mrr6.83 Mθθ-7.68 Mϕϕ0.85 Mrθ3.69 Mθϕ-2.25 Mϕr-0.44 NP1:ϕs86.73000°,δ58.35000°,λ102.53000°. NP2:ϕs243.78000°,δ33.80000°,λ70.61000°. Principal axes: T 7.8503,Plg73.0000°,Azm29.0000°; N 1.1634,Plg11.0000°,Azm260.0000°; P -9.0137,Plg13.0000°,Azm168.0000° M0 8.43000×10^{16}

(288) Savu Sea

ISC	**I**	**30 09 39 25.7–.79**	**9.25S–.06**	**122.00E–.05**	**100**	**4.0b**	**23**	**1-93**
DJA	I	30 09 39 26.8–.30	9S–4.0	122E–3.0	42–17	5.7b,5.2		**¶610235720**
IDC	I	30 09 39 28.6–.84	8.78S	122.68E	122–13	3.9,3.6b		

ISC Event type ke.
IDC Error ellipse: s-maj=118.1km s-min=10.9km az=53.0.

(186) Vanuatu Islands

ISC	**I**	**30 23 35 24.0–.23**	**14.83S–.03**	**167.08E–.03**	**87–1**	**5.5b**	**1314**	**3-169**
BJI	I	30 23 35 21.0–.00	14.73S	167.11E	79	5.5b,5.3b		**¶610148246**
MOS	I	30 23 35 22.2–1.0	14.73S	167.06E	78	6.0b,5.3s		
IDC	I	30 23 35 22.6–.82	14.79S	167.16E	75–5	5.7,5.4b		
NEIC	I	30 23 35 24.2–1.7	14.77S–.08	167.16E–.08	79–1	5.9,5.9		
NOU	I	30 23 35 25.4	14.82S	166.99E	86	5.8b,5.9		
NEIC	I	30 23 35 25	14.69S	166.95E	80	5.8b,5.9		
GCMT	I	30 23 35 27.2–.10	14.82S	166.86E	88–0	5.9W,5.9		
NEIC	I	30 23 35 42.7	14.54S	166.52E	86	5.9W,5.9		

ISC Event type se. Moment Tensor Solution. NP1:ϕs170.76135°,δ42.84941°,λ165.50772°. NP2: ϕs271.49158°,δ80.20124°,λ48.07306°. Principal axes: T Plg39.6988°,Azm143.6069°; N Plg41.1806°,Azm280.1817°; P Plg23.4576°,Azm32.4918°
MOS Error ellipse: s-maj=8.0km s-min=6.6km az=128.2.
IDC Error ellipse: s-maj=10.3km s-min=8.6km az=49.0.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=12.7km az=43.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; Mrr2.52 Mθθ0.88 Mϕϕ-3.40 Mrθ-6.75 Mθϕ5.01 Mϕr0.26 NP1:ϕs183.18000°,δ40.07000°,λ162.93000°. NP2:ϕs286.40000°,δ79.11000°,λ51.20000°. Principal axes: T 9.3412,Plg42.0000°,Azm160.0000°; N -0.8404,Plg38.0000°,Azm295.0000°; P -8.5009,Plg24.0000°,Azm45.0000° M0 8.95000×10^{17}
NOU Vanuatu Islands.
NEIC Event type se. Moment Tensor Solution.Duration: 2s0 Moment tensor: Scale 10^{17}Nm; Mrr1.75 Mθθ1.54 Mϕϕ-3.29 Mrθ-5.41 Mθϕ6.02 Mϕr-0.52 NP1:ϕs186.00000°,δ52.00000°,λ166.00000°. NP2:ϕs284.00000°,δ79.00000°,λ39.00000°. Principal axes: T 8.9564,Plg35.0000°,Azm152.0000°; N -0.7788,Plg50.0000°,Azm298.0000°; P -8.1776,Plg17.0000°,Azm50.0000° M0 8.59000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s164,c374; s168,c520; Duration: 2s3 Moment tensor: Scale 10^{18}Nm; Mrr0.17±.01 Mθθ0.18±.01; Mϕϕ-0.35±.01; Mrθ-0.69±.01; Mθϕ0.67±.01; Mϕr0.05±.01; Best double couple: NP1:ϕs284.00000°,δ82.00000°,λ44.00000°. NP2:ϕs187.00000°,δ46.00000°,λ170.00000°. Principal axes: T 1.0260,Plg35.0000°,Azm155.0000°; N -0.0350,Plg45.0000°,Azm292.0000°; P -0.9910,Plg23.0000°,Azm48.0000° M0 1.00800×10^{18}
NEIC Event type se. Moment Tensor Solution.Duration: 5s2 Moment tensor: Scale 10^{18}Nm; Mrr0.21 Mθθ0.27 Mϕϕ-0.48 Mrθ-0.57 Mθϕ0.76 Mϕr0.13 NP1:ϕs286.91000°,δ82.19000°,λ36.33000°. NP2:ϕs191.21000°,δ54.06000°,λ170.34000°. Principal axes: T 0.9882,Plg31.0000°,Azm155.0000°; N 0.0980,Plg53.0000°,Azm297.0000°; P -1.0863,Plg19.0000°,Azm54.0000° M0 1.04000×10^{18}

(1) Central Alaska

ISC	**I**	**31 09 38 37.5–.23**	**63.11N–.02**	**150.98W–.02**	**132–1**	**5.3b**	**1816**	**0-156**
BGR	I	31 09 38 32.7	61.95N	150.25W	142	5.1b		**¶610150208**
BJI	I	31 09 38 34.3–.00	63.12N	151.27W	126	5.7b,5.4b		
MOS	I	31 09 38 36.1–.74	63.15N	151.07W	135	5.4b,5.4b		
NEIC	I	31 09 38 37.5–1.6	63.10N–.04	150.98W–.08	132–3	5.4b,5.4b		
AEIC	I	31 09 38 37.6–1.6	63.08N–.03	150.94W–.07	133–3	5.5L,5.3b		
GCMT	I	31 09 38 38.6–.10	63.21N–.01	150.93W–.02	143–1	5.2W,5.3b		
IDC	I	31 09 38 38.0–.37	63.24N	151.12W	134–3	5.2,4.8b		
NEIC	I	31 09 38 40	63.07N	150.91W	130	5.2,4.8b		

ISC Event type se. Moment Tensor Solution. NP1:ϕs315.58106°,δ39.17197°,λ172.58572°. NP2: ϕs51.34181°,δ85.32465°,λ51.06340°. Principal axes: T Plg37.2881°,Azm287.3857°; N Plg38.7827°,Azm55.1096°; P Plg29.3768°,Azm172.0032°
BGR Event type ke.
MOS Error ellipse: s-maj=9.1km s-min=3.8km az=98.1.
NEIC Event type se. Error ellipse: s-maj=5.5km s-min=5.1km az=48.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; Mrr2.68 Mθθ-5.10 Mϕϕ2.41 Mrθ4.69 Mθϕ1.06 Mϕr6.33 NP1:ϕs305.93000°,δ29.03000°,λ162.44000°. NP2:ϕs51.39000°,δ81.58000°,λ62.11000°. Principal axes: T 10.0290,Plg46.0000°,Azm293.0000°; N -2.3076,Plg28.0000°,Azm56.0000°; P -7.7214,Plg31.0000°,Azm164.0000° M0 9.10000×10^{16}
AEIC Event type se. Error ellipse: s-maj=5.4km s-min=3.9km az=217.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s108,c157; s132,c230;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; Mrr0.25±.02 Mθθ-0.50±.02; Mϕϕ0.25±.02; Mrθ0.59±.01; Mθϕ0.04±.02; Mϕr0.62±.01; Best double couple: NP1:ϕs51.00000°,δ83.00000°,λ66.00000°. NP2:ϕs305.00000°,δ25.00000°,λ163.00000°. Principal axes: T 1.0110,Plg47.0000°,Azm296.0000°; N -0.1050,Plg24.0000°,Azm54.0000°; P -0.9050,Plg33.0000°,Azm161.0000° M0 0.95800×10^{17}
IDC Error ellipse: s-maj=7.5km s-min=5.2km az=21.0.
NEIC Event type se. Moment Tensor Solution.Duration: 4s0 Moment tensor: Scale 10^{16}Nm; Mrr2.63 Mθθ-3.77 Mϕϕ1.13 Mrθ4.70 Mθϕ0.07 Mϕr5.29 NP1:ϕs295.00000°,δ21.00000°,λ155.00000°. NP2:ϕs49.00000°,δ81.00000°,λ71.00000°. Principal axes: T 8.3619,Plg50.0000°,Azm298.0000°; N -1.2096,Plg19.0000°,Azm52.0000°; P -7.1523,Plg33.0000°,Azm155.0000° M0 7.83000×10^{16}

(221) Kuril Islands

ISC	**II**	**01 15 18 10.5–.57**	**48.16N–.05**	**153.26E–.05**	**163–4**	**4.4b**	**410**	**3-139**
BGR	II	01 15 18 01.6	49.03N	153.68E	33	5.0b		**¶610169731**
KRSC	II	01 15 18 09.0–2.2	48.23N	153.37E	170–52	4.6L		
MOS	II	01 15 18 09.4–.92	48.28N	152.98E	152	4.5b		
SKHL	II	01 15 18 09.4–.20	48.00N	153.60E	149–6	5.6s,5.0b		
NEIC	II	01 15 18 11.2–1.5	48.4N–.10	152.8E–.20	154–11	4.4b,5.0b		
JMA	II	01 15 18 12.9–.90	47N–8.0	154E–9.0	198	4.0,5.0b		
IDC	II	01 15 18 12.2–1.7	48.31N	152.99E	164–15	4.2,3.8b		

ISC Event type ke.
ISC Event type ke. Hypocentre not reviewed by the ISC.
KRSC Event type se.
MOS Error ellipse: s-maj=7.3km s-min=4.1km az=78.2.
NEIC Event type se. Error ellipse: s-maj=25.4km s-min=11.8km az=139.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. KURILE ISLANDS REGION .
IDC Error ellipse: s-maj=15.1km s-min=9.5km az=140.0.

(280) Banda Sea

ISC	**II**	**05 04 38 56.6–.47**	**6.08S–.04**	**130.73E–.06**	**124**	**4.4b**	**90**	**2-151**
IDC	II	05 04 38 55.8–2.3	6.09S	130.61E	109–23	4.4,3.8b		**¶610197596**
NEIC	II	05 04 38 56.7–2.6	6.06S–.06	130.73E–.04	125–10	4.3b,3.8b		
DJA	II	05 04 38 57.2–.20	6S–2.0	131E–3.0	143–5	5.5b,5.0		

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

(265) Minahassa Peninsula, Sulawesi

ISC	**II**	**05 07 26 33.2–.69**	**0.04N–.06**	**123.64E–.07**	**100**	**4.1b**	**33**	**1-95**
NEIC	II	05 07 26 34.0–.70	0.02N–.08	123.62E–.10	100–12	4.0b		**¶610414865**
DJA	II	05 07 26 35.3–.30	0S–3.0	124E–3.0	68–11	5.5b,5.0		
IDC	II	05 07 26 35.5–6.1	0.00N	123.44E	115–57	4.1s,4.1		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.0km s-min=11.2km az=75.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=52.0km s-min=18.0km az=58.0.

(265) Minahassa Peninsula, Sulawesi

ISC	**II**	**05 11 14 12.9–.48**	**0.27N–.06**	**121.98E–.06**	**200**	**4.3b**	**64**	**0-91**
NEIC	II	05 11 14 13.2–1.4	0.29N–.08	122.0E–.10	196–9	4.6b		**¶610414877**
DJA	II	05 11 14 13.3–.40	0N–3.0	122E–2.0	185–3	7.7,7.3		
IDC	II	05 11 14 10.0–1.7	0.24N	122.07E	212–17	4.1,3.5b		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.8km s-min=3.7km az=53.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=17.9km s-min=10.8km az=70.0.

(277) Jawa

ISC	**II**	**08 08 34 16.7–.39**	**7.59S–.04**	**106.94E–.03**	**66–3**	**4.8b**	**493**	**0-156**
DJA	II	08 08 34 17.4–.20	8S–2.0	107E–1.0	70–2	5.6b,5.4		**¶610198963**
BJI	II	08 08 34 17.0–.00	7.50S	107.00E	80	5.2b,4.8s		
NEIC	II	08 08 34 18.4–2.7	7.56S–.06	106.95E–.06	75–5	5.0b,4.8s		
IDC	II	08 08 34 19.6–.77	7.36S	106.96E	90–5	4.7,4.4b		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=8.6km az=206.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=12.6km s-min=8.0km az=57.0.

(265) Minahassa Peninsula, Sulawesi

ISC	**II**	**10 18 28 02.0–.25**	**0.22S–.03**	**122.99E–.03**	**82–2**	**5.2b**	**788**	**1-166**

MOS II 10 18 27 59.3–.96 0.13S 122.98E 71 5.3b ¶610208018
BJI II 10 18 28 00.0–.00 0.10S 123.10E 60 5.2b,5.1b
GCMT II 10 18 28 00.0–.30 0.10S–.02 123.09E–.03 61–2 5.0W,5.1b
IDC II 10 18 28 01.5–.46 0.16S 122.94E 79–4 4.7,4.4b
NEIC II 10 18 28 03.0–1.8 0.19S–.05 123.02E–.05 81–4 5.3b,5.0
DJA II 10 18 28 02.8–.10 0S–2.0 123E–1.0 74–2 5.6,5.6b
NEIC II 10 18 28 06 0.18S 123.02E 60 5.6,5.6b
ISC Event type se. Moment Tensor Solution. NP1:ϕs178.26140°,δ65.04043°,λ66.68658°. NP2: ϕs43.86375°,δ33.63482°,λ130.37376°. Principal axes: T Plg62.5123°,Azm50.9385° ; N Plg21.0265°,Azm188.5680°; P Plg16.8785°,Azm285.2657°
MOS Error ellipse: s-maj=9.7km s-min=5.1km az=113.8.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s31,c34; s76,c98;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr4.56±.31 Mθθ-1.19±.19; Mϕϕ-3.37±.21; Mrθ1.07±.12; Mθϕ-2.03±.12; Mϕr-0.38±.18; Best double couple: NP1:ϕs44.00000°,δ48.00000°,λ108.00000°. NP2:ϕs198.00000°,δ45.00000°,λ71.00000°. Principal axes: T 4.8240,Plg77.0000° ,Azm25.0000°; N -0.2340,Plg13.0000°,Azm212.0000°; P -4.5900,Plg1.0000°,Azm121.0000° M0 4.70700×10^{16}
IDC Error ellipse: s-maj=12.1km s-min=8.0km az=75.0.
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=7.1km az=201.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution.Duration: 8s0 Moment tensor: Scale 10^{16}Nm; Mrr3.67 Mθθ-2.00 Mϕϕ-1.67 Mrθ0.22 Mθϕ-2.01 Mϕr-0.55 NP1:ϕs56.00000°,δ44.00000° ,λ103.00000°. NP2:ϕs219.00000°,δ47.00000°,λ78.00000°. Principal axes: T 3.7634,Plg81.0000°,Azm57.0000°; N 0.0954,Plg9.0000°,Azm227.0000° ; P -3.8588,Plg2.0000°,Azm317.0000° M0 3.81000×10^{16}

(207) Eastern New Guinea region
ISC II 12 11 57 59.3–.34 5.56S–.05 145.29E–.06 86 4.8b 179 4-150
IDC II 12 11 57 57.7–2.2 5.48S 145.45E 75–21 4.6,4.2b ¶610208513
DJA II 12 11 57 59.7–.30 6S–2.0 145E–3.0 84–4 5.6b,5.3
BJI II 12 11 57 59.2–.00 5.72S 145.12E 102 5.1b,4.8b
NEIC II 12 11 58 00.7–1.6 5.54S–.09 145.40E–.09 94–7 4.9b,4.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(280) Banda Sea
ISC II 12 22 05 26.0–.40 7.46S–.05 128.56E–.05 151 4.3b 110 3-151
NEIC II 12 22 05 25.4–1.9 7.43S–.07 128.63E–.07 143–7 4.5b ¶610415403
DJA II 12 22 05 26.0–1.4 8S–3.0 129E–3.0 26–14 5.6b,5.1
IDC II 12 22 05 26.8–1.9 7.43S 128.39E 156–18 4.4,3.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=9.2km az=149.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=18.7km s-min=13.3km az=83.0.

(279) Flores Sea
ISC II 13 03 08 34.8–.25 8.09S–.03 117.66E–.03 220–2 5.0b 869 1-174
PRE II 13 03 08 01.5–2.2 7.08S 118.50E 10 5.7b ¶611831803
MOS II 13 03 08 32.4–1.1 7.98S 117.59E 209 5.2b
IDC II 13 03 08 34.9–.37 8.01S 117.60E 215–2 5.3,4.7b
NEIC II 13 03 08 34.3–2.0 8.11S–.07 117.65E–.05 212–4 5.2b,4.7b
DJA II 13 03 08 35.1–.10 8S–2.0 118E–1.0 214–1 5.8,5.6b
GCMT II 13 03 08 36.3–.20 8.24S–.02 117.71E–.02 216–1 5.1W,5.6b
KLM II 13 03 08 41 8.35S 117.42E 285 5.4b,5.6b
ISC Event type se. Moment Tensor Solution. NP1:ϕs36.63810°,δ80.34937°,λ95.06071°. NP2: ϕs188.79269°,δ10.88590°,λ62.58209°. Principal axes: T Plg54.3824°,Azm312.7865° ; N Plg4.9889°,Azm215.7876°; P Plg35.1587°,Azm122.2625° Moment Tensor Solution. NP1: ϕs46.00121°,δ9.69674°,λ-25.51479°. NP2:ϕs161.19695°,δ85.83945°,λ-98.76652°. Principal axes: T Plg40.2184°,Azm259.3105°; N Plg8.7432°,Azm161.8380°; P Plg48.4439° ,Azm61.8472°
PRE Error ellipse: s-maj=112.2km s-min=87.9km az=-1.0.
MOS Error ellipse: s-maj=7.7km s-min=4.8km az=116.9.
IDC Error ellipse: s-maj=8.6km s-min=5.7km az=57.0.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=7.3km az=187.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s45,c54; s104,c137;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr-1.62±.17 Mθθ0.25±.17; Mϕϕ1.37±.20; Mrθ0.67±.12; Mθϕ1.03±.16; Mϕr5.53±.13; Best double couple: NP1:ϕs188.00000°,δ82.00000°,λ-98.00000°. NP2:ϕs54.00000°,δ12.00000°,λ-45.00000°. Principal axes: T 5.8700,Plg36.0000° ,Azm285.0000°; N -0.0150,Plg8.0000°,Azm189.0000°; P -5.8550,Plg52.0000°,Azm88.0000° M0 5.86200×10^{16}

(263) Talaud Islands
ISC II 13 03 40 23.0–.55 3.28N–.05 125.61E–.09 150 4.0b 43 0-83
IDC II 13 03 40 06.6–.95 3.16N 125.01E 0 3.8,3.8b ¶610415420
NEIC II 13 03 40 24.3–1.3 3.3N–.10 125.60E–.09 160–9 4.3b,3.8b
DJA II 13 03 40 30.3–.40 3N–3.0 126E–4.0 10 6.1b,5.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(277) Jawa
ISC II 13 08 12 46.8–.45 7.72S–.04 108.30E–.03 101–3 4.8b 322 0-156
DJA II 13 08 12 47.0–.20 8S–3.0 108E–1.0 71–3 5.6b,5.2 ¶610208603
NEIC II 13 08 12 47.8–2.8 7.53S–.05 108.38E–.06 101–4 4.8b,5.2
IDC II 13 08 12 48.6–.67 7.52S 108.41E 110–5 4.6,4.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=6.6km az=51.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=16.1km s-min=9.9km az=55.0.

(715) Tajikistan
ISC II 14 01 51 40.0–.34 36.42N–.03 71.04E–.03 146–3 4.6b 565 2-150
MOS II 14 01 51 38.7–.87 36.49N 71.10E 144 4.7b ¶610208948
NNC II 14 01 51 40.5–1.6 37.97N 72.29E 0 5.5b,5.1
IDC II 14 01 51 41.2–.58 36.33N 71.00E 165–5 4.7,4.1b
NEIC II 14 01 51 41.1–1.8 36.50N–.05 70.95E–.08 152–6 4.7b,4.1b
ISC Event type se.
NNC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(128) Jujuy Province
ISC II 14 09 38 31.8–.34 23.83S–.03 66.67W–.04 182–2 5.2b 1456 1-170
BJI II 14 09 38 30.3–.00 23.74S 66.62W 167 5.2b ¶610208991
MOS II 14 09 38 30.8–1.2 23.83S 66.63W 180 5.2b
SJA II 14 09 38 31.6–.74 23.90S 66.78W 237–5 5.4L,5.0W
VAO II 14 09 38 31.6–.24 23.78S 66.76W 181 5.5b,5.0W
NEIC II 14 09 38 32.3–2.1 23.84S–.06 66.61W–.07 180–3 5.7L,5.4
IDC II 14 09 38 33.1–.65 23.81S 66.56W 192–5 5.3,4.8b
GUC II 14 09 38 34.9–.41 23.76S 67.14W 250–7 5.7L,4.8b
NEIC II 14 09 38 36.9 23.96S 66.78W 220 5.7L,4.8b
GCMT II 14 09 38 38.3–.10 23.89S–.01 66.86W–.01 225–1 5.4W,4.8b
ISC Event type se. Moment Tensor Solution. NP1:ϕs213.59622°,δ22.28786°,λ-54.02381°. NP2: ϕs355.48135°,δ72.12626°,λ-103.53825°. Principal axes: T Plg25.9288°,Azm96.0875° ; N Plg12.8733°,Azm359.7079°; P Plg60.6106°,Azm245.7686°
ISC Hypocentre not reviewed by the ISC.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution.Duration: 2s3 Moment tensor: Scale 10^{17}Nm; Mrr-0.57 Mθθ-0.04 Mϕϕ0.61 Mrθ0.27 Mθϕ0.49 Mϕr-1.12 NP1:ϕs354.82000°,δ77.04000° ,λ-114.12000°. NP2:ϕs238.22000°,δ27.20000°,λ-29.38000°. Principal axes: T 1.3528,Plg28.0000°,Azm104.0000°; N 0.0731,Plg23.0000°,Azm1.0000° ; P -1.4259,Plg52.0000°,Azm237.0000° M0 1.39000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s102,c152; s139,c222;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; Mrr-0.73±.02 Mθθ-0.15±.02; Mϕϕ0.88±.02; Mrθ0.26±.02; Mθϕ0.29±.02; Mϕr-1.07±.02; Best double couple: NP1:ϕs352.00000°,δ73.00000°,λ-108.00000°. NP2:ϕs220.00000°,δ25.00000°,λ-45.00000°. Principal axes: T 1.4280,Plg26.0000° ,Azm96.0000°; N -0.0530,Plg17.0000°,Azm357.0000°; P -1.3760,Plg58.0000° ,Azm237.0000° M0 1.40200×10^{17}

(221) Kuril Islands
ISC II 14 16 43 35.9–.45 45.12N–.04 148.77E–.04 110–3 4.6b 697 1-151
SKHL II 14 16 43 34.9–.10 45.10N 148.90E 113–5 5.9,5.5 ¶610209108
BJI II 14 16 43 34.8–.00 45.36N 148.86E 126 4.8b,4.6b
MOS II 14 16 43 35.7–.94 45.21N 148.65E 117 4.5b,4.6b
IDC II 14 16 43 36.1–.57 45.34N 148.45E 107–5 4.3,3.9b
JMA II 14 16 43 37.1–.54 45N–2.0 149E–3.0 107 4.4,4.3
NIED II 14 16 43 37.1 44.86N 148.82E 107 4.6W,4.3
NEIC II 14 16 43 39.3–.89 45.39N–.08 148.5E–.10 128–4 4.6b,4.3
ISC Event type ke.
JMA Event type ke. SE OFF ETOROFU .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; Mrr5.09 Mθθ-2.83 Mϕϕ-2.26 Mrθ-4.22 Mθϕ-3.90 Mϕr-4.79 NP1:ϕs222.00000°,δ69.00000°,λ86.00000°. NP2:ϕs54.00000° ,δ21.00000°,λ101.00000°. M0 8.61000×10^{15}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(280) Banda Sea
ISC II 16 23 24 59.1–.70 7.48S–.07 128.56E–.07 151 3.5b 26 5-71
IDC II 16 23 24 59.0–1.5 7.47S 128.56E 154–17 4.1,3.3b ¶610415653
DJA II 16 23 25 00.1–.30 7S–4.0 128E–3.0 151–14 5.5b,5.0
ISC Event type se.

(221) Kuril Islands
ISC II 17 18 07 13.8–.59 45.75N–.05 150.63E–.05 111–5 4.3b 293 2-140
MOS II 17 18 07 13.9–1.3 45.85N 150.58E 125 4.2b ¶610228729
NEIC II 17 18 07 13.7–2.1 45.89N–.09 150.4E–.10 100–7 4.5b
SKHL II 17 18 07 13.5–.20 45.70N 150.80E 123–3 6.2,5.6s
IDC II 17 18 07 16.9–1.9 45.96N 150.46E 129–16 4.2,3.8b
JMA II 17 18 07 16.8–.73 45N–3.0 151E–5.0 102 4.4,3.8b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. KURILE ISLANDS REGION .

(266) Northern Molucca Sea
ISC II 17 21 33 15.0–.41 3.82N–.04 126.77E–.05 66–3 4.6b 202 1-123
MAN II 17 21 32 57.8 2.79N 126.80E 10 5.6b,4.9s ¶610228735
DJA II 17 21 33 12.7–.40 4N–3.0 127E–3.0 48–4 5.2,5.1b
IDC II 17 21 33 15.2–1.4 3.96N 126.97E 71–12 4.2,3.9s
NEIC II 17 21 33 15.1–1.5 3.80N–.05 126.75E–.05 66–7 4.8b,3.9s
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(128) Jujuy Province
ISC II 18 12 10 17.1–.27 23.89S–.02 66.71W–.03 212–2 5.9b 2294 1-179
SJA II 18 12 10 15.9–1.0 23.90S 66.83W 200 6.2L,5.9W ¶610243814
MOS II 18 12 10 15.9–1.4 23.71S 66.71W 203 6.0b,5.4s
GUC II 18 12 10 16.1–.78 23.91S 67.26W 266–14 6.5L,5.4s
VAO II 18 12 10 16.2–.37 23.82S 66.61W 208–3 6.1b,5.4s
IDC II 18 12 10 17.7–.52 23.77S 66.64W 216–3 5.9,5.3b
NEIC II 18 12 10 18.0–2.5 23.86S–.06 66.66W–.07 222–1 6.4,6.4
GCMT II 18 12 10 23.0–.10 23.87S 66.87W 222–0 6.4W,6.4
NEIC II 18 12 10 26.7 23.85S 66.85W 210 6.4W,6.4
ISC Event type se. Moment Tensor Solution. NP1:ϕs35.69983°,δ76.36516°,λ-85.97715°. NP2: ϕs199.08810°,δ14.20512°,λ-106.13059°. Principal axes: T Plg31.2516°,Azm122.3733° ; N Plg3.9093°,Azm214.7500°; P Plg58.4490°,Azm311.1398° Moment Tensor Solution. NP1: ϕs348.83212°,δ65.25272°,λ-102.87251°. NP2:ϕs197.46254°,δ27.70670°,λ-64.20494°. Principal axes: T Plg19.2702°,Azm88.4386°; N Plg11.6728°,Azm354.2967°; P Plg67.2256° ,Azm234.8189°
SJA Error ellipse: s-maj=3.6km s-min=3.5km az=-1.0. Hypocentre not reviewed by the ISC.
MOS Error ellipse: s-maj=9.3km s-min=5.7km az=104.7.
GUC Error ellipse: s-maj=4.7km s-min=18.3km az=-1.0.
VAO Error ellipse: s-maj=2.5km s-min=2.6km az=-1.0.
IDC Error ellipse: s-maj=6.8km s-min=5.1km az=70.0.
NEIC Event type se. Error ellipse: s-maj=11.4km s-min=9.6km az=259.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; Mrr-0.74 Mθθ-0.72 Mϕϕ1.46 Mrθ-0.16 Mθϕ0.12 Mϕr-4.89 NP1:ϕs1.80000°,δ83.63000°,λ-90.63000°. NP2:ϕs187.47000°,δ6.40000° ,λ-84.36000°. Principal axes: T 5.3756,Plg39.0000°,Azm92.0000°; N -0.7251,Plg1.0000° ,Azm2.0000°; P -4.6505,Plg51.0000°,Azm271.0000° M0 5.05000×10^{18}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s167,c431; s163,c651; Duration: 3s8 Moment tensor: Scale 10^{18}Nm; Mrr-0.82±.02 Mθθ-0.36±.02; Mϕϕ1.19±.02; Mrθ-0.36±.02; Mθϕ0.12±.02; Mϕr-4.59±.02; Best double couple: NP1:ϕs4.00000°,δ84.00000° ,λ-90.00000°. NP2:ϕs184.00000°,δ6.00000°,λ-91.00000°. Principal axes: T 4.9020,Plg39.0000°,Azm94.0000°; N -0.3730,Plg0.0000°,Azm184.0000° ; P -4.5260,Plg51.0000°,Azm275.0000° M0 4.71400×10^{18}
NEIC Event type se. Moment Tensor Solution.Duration: 7s3 Moment tensor: Scale 10^{18}Nm; Mrr-0.77 Mθθ0.11 Mϕϕ0.66 Mrθ-0.57 Mθϕ-0.12 Mϕr-4.13 NP1:ϕs7.51000°,δ85.28000° ,λ-87.44000°. NP2:ϕs159.00000°,δ5.37000°,λ-118.41000°. Principal axes: T 4.1595,Plg40.0000°,Azm95.0000°; N 0.1517,Plg3.0000°,Azm187.0000° ; P -4.3112,Plg50.0000°,Azm280.0000° M0 4.24000×10^{18}

(263) Talaud Islands
ISC II 22 05 31 44.8–.31 4.73N–.03 127.51E–.04 70–2 5.1b 833 2-169
MOS II 22 05 31 40.0–.83 4.83N 127.56E 38 5.5b ¶610239523
BJI II 22 05 31 41.3–.00 4.47N 127.69E 76 5.2b,5.2b
MAN II 22 05 31 41.1 4.45N 127.49E 74 5.4b,4.7s
IDC II 22 05 31 42.9–1.0 4.77N 127.64E 53–8 5.0,4.7b
GCMT II 22 05 31 44.4–.30 4.98N–.02 127.37E–.02 42–1 5.0W,4.7b
NEIC II 22 05 31 44.4–2.0 4.77N–.07 127.59E–.03 65–5 5.1b,4.7b
DJA II 22 05 31 46.8–.30 5N–3.0 127E–2.0 73–3 5.5b,5.3
ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s51,c59; s77,c88;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr3.45±.17 Mθθ-0.20±.12; Mϕϕ-3.25±.12; Mrθ1.16±.11; Mθϕ1.62±.08; Mϕr0.46±.12; Best double couple: NP1:ϕs138.00000°,δ49.00000°,λ63.00000°. NP2:ϕs356.00000°,δ48.00000°,λ118.00000°. Principal axes: T 3.9060,Plg70.0000° ,Azm337.0000°; N 0.0450,Plg20.0000°,Azm156.0000°; P -3.9500,Plg0.0000°,Azm247.0000° M0 3.92800×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(207) Eastern New Guinea region
ISC II 23 15 11 05.7–.22 5.86S–.03 146.74E–.03 124–1 5.5b 1051 4-152
SJA II 23 15 10 39.9–1.5 5.82S 146.76E 113–999 5.4W ¶610239931
BJI II 23 15 11 01.7–.00 5.98S 147.00E 121 5.3b,4.8b
MOS II 23 15 11 03.4–.76 5.73S 146.69E 114 5.3b,4.8b
IDC II 23 15 11 04.0–1.1 5.81S 146.72E 105–9 5.1,4.8b
NEIC II 23 15 11 05.8–2.0 5.85S–.05 146.75E–.06 116–1 5.6b,5.4
DJA II 23 15 11 05.3–.30 6S–2.0 147E–2.0 109–3 6.3,5.8b
KLM II 23 15 11 07 5.93S 146.72E 116 5.6b,5.8b
NEIC II 23 15 11 07.7 5.75S 146.73E 110 5.6b,5.8b
GCMT II 23 15 11 07.8–.10 5.81S–.01 146.80E–.01 124–0 5.5W,5.8b
ISC Event type se. Moment Tensor Solution. NP1:ϕs43.04701°,δ45.10233°,λ167.84682°. NP2: ϕs141.69009°,δ81.42349°,λ45.54699°. Principal axes: T Plg37.1970°,Azm13.2514° ; N Plg43.8278°,Azm150.0139°; P Plg23.1821°,Azm264.2852°
ISC Hypocentre not reviewed by the ISC.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; Mrr0.30 Mθθ0.49 Mϕϕ-0.79 Mrθ0.48 Mθϕ-0.68 Mϕr-1.27 NP1:ϕs163.06000°,δ83.71000°,λ56.40000°. NP2:ϕs63.70000°,δ34.12000° ,λ168.74000°. Principal axes: T 1.6629,Plg42.0000°,Azm42.0000°; N 0.0124,Plg33.0000° ,Azm167.0000°; P -1.6753,Plg31.0000°,Azm280.0000° M0 1.67000×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 2s6 Moment tensor: Scale 10^{17}Nm; Mrr0.68 Mθθ0.50 Mϕϕ-1.18 Mrθ0.46 Mθϕ-0.54 Mϕr-1.13 NP1:ϕs164.06000°,δ75.18000° ,λ57.36000°. NP2:ϕs52.28000°,δ35.50000°,λ153.86000°. Principal axes: T 1.5995,Plg49.0000°,Azm38.0000°; N 0.1575,Plg31.0000°,Azm173.0000° ; P -1.7570,Plg23.0000°,Azm279.0000° M0 1.68000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s134,c216; s143,c288;Duration: 1s4 Moment tensor: Scale 10^{17}Nm; Mrr0.72±.02 Mθθ0.61±.03; Mϕϕ-1.34±.03; Mrθ0.34±.02; Mθϕ-0.91±.02; Mϕr-1.59±.02; Best double couple: NP1:ϕs169.00000°,δ78.00000°,λ57.00000°. NP2:ϕs61.00000°,δ35.00000°,λ159.00000°. Principal axes: T 2.0080,Plg47.0000° ,Azm44.0000°; N 0.3380,Plg33.0000°,Azm176.0000°; P -2.3480,Plg25.0000°,Azm284.0000°

$M_0$2.17800×10^{17}

(259) Mindanao

ISC II 24 18 27 51.1–.89 6.04N–.04 126.75E–.06 84–8 4.1b 84 1-90
MAN II 24 18 27 50.2 6.10N 126.80E 21 5.1b,4.2s **¶610384950**
NEIC II 24 18 27 51.4–2.0 6.06N–.04 126.77E–.05 80–8 4.2b,4.2s
DJA II 24 18 27 51.8–.50 6N–3.0 127E–5.0 10 7.2,7.0
IDC II 24 18 27 52.2–1.6 5.98N 126.59E 97–14 3.9,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=4.5km az=127.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=33.4km s-min=13.7km az=70.0.

(186) Vanuatu Islands

ISC II 26 06 44 21.9–.27 18.62S–.03 169.39E–.03 259–2 5.4b 1123 1-167
BJI II 26 06 44 20.0–.00 18.15S 169.76E 248 5.0b,5.0b **¶615092488**
MOS II 26 06 44 21.0–.97 18.57S 169.39E 261 5.5b,5.0b
NEIC II 26 06 44 22.7 18.52S 169.33E 240 5.5b,5.0b
IDC II 26 06 44 22.7–.72 18.58S 169.37E 266–6 5.5,4.9b
NEIC II 26 06 44 22.7 18.62S 169.41E 240 5.5,4.9b
NEIC II 26 06 44 22.7–1.9 18.61S–.04 169.40E–.08 255–1 5.5,5.5b
NOU II 26 06 44 22.7 18.54S 169.33E 258 5.0L,5.5b
GCMT II 26 06 44 25.7–.10 18.45S–.01 169.20E–.01 268–0 5.5W,5.5b
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s61.07767°,δ67.41959°,λ169.74664°. NP2: ϕ_s155.05093°,δ80.54018°,λ22.90929°. Principal axes: T Plg22.8134°,Azm20.0913° ; N Plg65.3121°,Azm176.3024°; P Plg8.9340°,Azm286.2998°
NEIC Event type se. Moment Tensor Solution.Duration: 3^{s}0 Moment tensor: Scale 10^{17}Nm; M_{rr}1.06 $M_{\theta\theta}$0.16 $M_{\phi\phi}$-1.22 $M_{r\theta}$1.10 $M_{\theta\phi}$-1.88 $M_{\phi r}$-0.69 NP1:ϕ_s72.14000°,δ63.56000° ,λ148.11000°. NP2:ϕ_s177.62000°,δ61.77000°,λ30.35000°. Principal axes: T 2.5806,Plg40.0000°,Azm34.0000°; N -0.0493,Plg49.0000°,Azm217.0000° ; P -2.5313,Plg1.0000°,Azm125.0000° $M_0$2.56000×10^{17}
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.13 $M_{\theta\theta}$-0.26 $M_{\phi\phi}$-0.86 $M_{r\theta}$1.07 $M_{\theta\phi}$-1.05 $M_{\phi r}$-0.85 NP1:ϕ_s68.86000°,δ55.80000°,λ139.28000°. NP2:ϕ_s184.68000° ,δ57.34000°,λ41.88000°. Principal axes: T 2.2239,Plg51.0000°,Azm38.0000° ; N -0.5694,Plg39.0000°,Azm216.0000°; P -1.6545,Plg1.0000°,Azm306.0000° $M_0$2.00000×10^{17}
NOU Vanuatu Islands.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s128,c204; s149,c256;Duration: 1^{s}5 Moment tensor: Scale 10^{17}Nm; M_{rr}1.20±.03 $M_{\theta\theta}$0.27±.04; $M_{\phi\phi}$-1.47±.04; $M_{r\theta}$1.15±.03; $M_{\theta\phi}$-1.81±.03; $M_{\phi r}$-0.93±.03; Best double couple: NP1:ϕ_s176.00000°,δ64.00000°,λ35.00000°. NP2:ϕ_s68.00000°,δ59.00000°,λ149.00000°. Principal axes: T 2.7790,Plg43.0000° ,Azm34.0000°; N -0.1590,Plg47.0000°,Azm208.0000°; P -2.6160,Plg3.0000°,Azm301.0000° $M_0$2.69800×10^{17}

(192) New Britain region

ISC II 27 10 56 33.1–.56 4.88S–.07 152.1E–.10 100 4.2b 70 1-150
DJA II 27 10 56 29.1–1.7 4S–13 153E–23 130–5 5.5b,5.0 **¶612488926**
IDC II 27 10 56 31.7–.74 4.96S 152.11E 88–5 4.2,3.8b
NEIC II 27 10 56 31.9–1.1 4.96S–.10 152.3E–.20 92–11 4.3b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(221) Kuril Islands

ISC II 27 15 49 10.4–.74 44.38N–.05 147.72E–.05 106–6 4.2b 187 1-82
MOS II 27 15 49 10.2–.87 44.54N 147.70E 112 4.1b **¶610241640**
SKHL II 27 15 49 10.6–.30 44.30N 147.80E 111–4 6.1s,5.3b
JMA II 27 15 49 11.5–.37 44N–1.0 148E–2.0 90 4.1,5.3b
NEIC II 27 15 49 12.6–1.4 44.5N–.10 147.7E–.10 114–9 4.2b,5.3b
IDC II 27 15 49 12.2–2.3 44.64N 147.69E 111–19 4.0,3.6b
ISC Event type ke.
MOS Event type fe. Error ellipse: s-maj=9.7km s-min=7.7km az=69.1. Felt (II-III) at Malokuril'skoye. Moment Tensor Solution.
JMA Event type ke. SE OFF ETOROFU .
NEIC Event type se. Error ellipse: s-maj=15.9km s-min=12.8km az=156.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=21.6km s-min=12.0km az=163.0.

(715) Tajikistan

ISC II 28 13 42 18.2–.20 37.67N–.02 72.09E–.02 127–1 5.3b 1526 2-152
BGR II 28 13 42 14.3 37.26N 73.21E 138–1 5.9,5.5b **¶611831916**
SOME II 28 13 42 16.0 38.70N 72.60E 5 5.9,5.5b
MOS II 28 13 42 16.8–1.0 37.66N 72.22E 126 5.4b,4.3s
BJI II 28 13 42 18.9–.00 37.66N 72.25E 159 5.0b,4.9b
IDC II 28 13 42 18.0–1.4 37.65N 72.24E 126–12 5.2,4.7b
NEIC II 28 13 42 18.8–1.5 37.69N–.05 72.10E–.07 127–3 5.3b,5.2
GCMT II 28 13 42 19.8–.10 37.62N–.01 71.94E–.01 142–0 5.4W,5.2
NNC II 28 13 42 24.2–2.3 38.22N 72.05E 193–19 5.6,4.7b
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s59.22743°,δ73.86184°,λ-104.58196°. NP2: ϕ_s282.33173°,δ21.61936°,λ-48.97400°. Principal axes: T Plg27.4400°,Azm160.7990° ; N Plg13.9954°,Azm63.3632°; P Plg58.6392°,Azm309.2241°
ISC Event type ke. Hypocentre not reviewed by the ISC.
MOS Error ellipse: s-maj=3.9km s-min=2.9km az=101.4.
IDC Error ellipse: s-maj=9.6km s-min=7.0km az=9.0.
NEIC Event type se. Error ellipse: s-maj=8.1km s-min=7.3km az=134.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-0.08 $M_{\theta\theta}$0.53 $M_{\phi\phi}$-0.45 $M_{r\theta}$-7.90 $M_{\theta\phi}$-1.86 $M_{\phi r}$-4.73 NP1:ϕ_s240.75000°,δ88.20000°,λ98.52000°. NP2:ϕ_s342.58000°,δ8.71000° ,λ11.97000°. Principal axes: T 8.6179,Plg46.0000°,Azm159.0000°; N 1.4144,Plg9.0000° ,Azm60.0000°; P -10.0322,Plg43.0000°,Azm323.0000° $M_0$9.41000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s103,c156; s148,c277;Duration: 1^{s}2 Moment tensor: Scale 10^{17}Nm; M_{rr}0.21±.02 $M_{\theta\theta}$0.12±.03; $M_{\phi\phi}$-0.33±.02; $M_{r\theta}$-1.40±.02; $M_{\theta\phi}$-0.47±.02; $M_{\phi r}$-0.48±.01; Best double couple: NP1:ϕ_s250.00000°,δ86.00000°,λ109.00000°. NP2:ϕ_s352.00000°,δ19.00000°,λ13.00000°. Principal axes: T 1.5670,Plg46.0000° ,Azm179.0000°; N 0.0220,Plg19.0000°,Azm69.0000°; P -1.5900,Plg38.0000°,Azm323.0000° $M_0$1.57900×10^{17}
NNC Event type se. Error ellipse: s-maj=22.1km s-min=12.3km az=26.0.

(280) Banda Sea

ISC III 01 06 59 41.2–.28 6.40S–.03 130.02E–.03 151–2 5.4b 864 2-158
BJI III 01 06 59 35.0–.00 6.83S 130.43E 147 5.5b,5.2b **¶610242101**
MOS III 01 06 59 39.5–.86 6.35S 130.04E 145 5.4b,5.2b
NEIC III 01 06 59 40.3 6.36S 130.02E 127 5.4b,5.2b
NEIC III 01 06 59 40.3 6.46S 130.43E 130 5.4b,5.2b
IDC III 01 06 59 41.3–.65 6.40S 129.99E 151–5 5.3,4.9b
NEIC III 01 06 59 41.4–1.9 6.37S–.06 130.04E–.03 141–1 5.5b,5.3
DJA III 01 06 59 41.7–.10 6S–1.0 130E–1.0 155–2 5.9,5.8b
GCMT III 01 06 59 44.4–.20 6.37S–.01 130.13E–.01 152–1 5.3W,5.8b
KLM III 01 06 59 44 6.26S 130.21E 177 5.8b,5.8b
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s256.66266°,δ25.32368°,λ153.09898°. NP2: ϕ_s11.29874°,δ78.84129°,λ67.12035°. Principal axes: T Plg50.8960°,Azm255.4576° ; N Plg22.4233°,Azm15.9676°; P Plg30.1532°,Azm119.8373° Moment Tensor Solution. NP1: ϕ_s109.98116°,δ20.62418°,λ34.62215°. NP2:ϕ_s347.11160°,δ78.45559°,λ107.20830°. Principal axes: T Plg53.4464°,Azm277.6754°; N Plg16.8497°,Azm163.5649°; P Plg31.3509° ,Azm62.9321°
MOS Error ellipse: s-maj=8.7km s-min=4.9km az=122.2.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2^{s}2 Moment tensor: Scale 10^{17}Nm; M_{rr}0.24 $M_{\theta\theta}$-0.66 $M_{\phi\phi}$0.42 $M_{r\theta}$0.18 $M_{\theta\phi}$-0.16 $M_{\phi r}$0.85 NP1:ϕ_s34.93000°,δ81.01000° ,λ53.19000°. NP2:ϕ_s293.14000°,δ37.74000°,λ165.21000°. Principal axes: T 1.1900,Plg42.0000°,Azm270.0000°; N -0.3500,Plg36.0000°,Azm42.0000° ; P -0.8400,Plg27.0000°,Azm153.0000° $M_0$1.01000×10^{17}
IDC Error ellipse: s-maj=10.2km s-min=6.8km az=54.0.
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=4.4km az=196.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s99,c134; s129,c206;Duration: 1^{s}1 Moment tensor: Scale 10^{17}Nm; M_{rr}0.36±.02 $M_{\theta\theta}$-0.24±.03; $M_{\phi\phi}$-0.12±.03; $M_{r\theta}$0.26±.02; $M_{\theta\phi}$0.01±.03; $M_{\phi r}$1.15±.02; Best double couple: NP1:ϕ_s13.00000°,δ84.00000°,λ89.00000°. NP2:ϕ_s199.00000°,δ6.00000°,λ96.00000°. Principal axes: T 1.3220,Plg51.0000° ,Azm282.0000°; N -0.2380,Plg1.0000°,Azm13.0000°; P -1.0850,Plg39.0000°,Azm103.0000° $M_0$1.20300×10^{17}

(2) Southern Alaska

ISC III 02 02 11 30.3–.21 59.63N–.03 152.74W–.02 81–1 5.5b 1628 0-168
MOS III 02 02 11 26.6–.93 59.83N 152.85W 59 5.5b **¶610243173**
BJI III 02 02 11 26.1–.00 59.83N 153.32W 53 5.5b,5.4b
AEIC III 02 02 11 30.7–1.7 59.58N–.04 152.66W–.06 78–4 5.7L,5.6
NEIC III 02 02 11 30.1–1.7 59.59N–.04 152.65W–.04 82–1 5.7L,5.6
ANF III 02 02 11 30.5–.10 59.63N 152.66W 75–1 5.8L,5.6
NEIC III 02 02 11 30.7 59.59N 152.61W 77 5.8L,5.6
NEIC III 02 02 11 30.7 59.59N 152.61W 70 5.8L,5.6
NEIC III 02 02 11 30.7 59.59N 152.61W 70 5.8L,5.6
IDC III 02 02 11 30.1–.36 59.68N 152.86W 77–3 5.2,4.9b
NEIC III 02 02 11 31 59.61N 152.51W 57 5.2,4.9b
GCMT III 02 02 11 33.1–.10 59.65N–.01 152.59W–.01 92–0 5.6W,4.9b
BGR III 02 02 11 35.8 60.04N 152.35W 83–3 5.4b,4.9b
ISC Event type ke. Moment Tensor Solution. NP1:ϕ_s301.48001°,δ69.92918°,λ108.31539°. NP2: ϕ_s77.51373°,δ26.91402°,λ49.30188°. Principal axes: T Plg60.8307°,Azm238.6035° ; N Plg17.1673°,Azm114.9991°; P Plg22.8209°,Azm17.5299°
MOS Error ellipse: s-maj=8.3km s-min=3.8km az=92.6.
AEIC Event type se. Error ellipse: s-maj=5.1km s-min=4.4km az=163.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=6.0km s-min=3.7km az=170.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.55 $M_{\theta\theta}$-2.81 $M_{\phi\phi}$1.26 $M_{r\theta}$-0.49 $M_{\theta\phi}$-0.01 $M_{\phi r}$1.53 NP1:ϕ_s56.03000°,δ52.14000°,λ33.49000°. NP2:ϕ_s303.93000°,δ64.18000° ,λ137.01000°. Principal axes: T 2.9677,Plg48.0000°,Azm264.0000°; N -0.0965,Plg41.0000° ,Azm99.0000°; P -2.8713,Plg7.0000°,Azm3.0000° $M_0$2.92000×10^{17} Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.59 $M_{\theta\theta}$-2.61 $M_{\phi\phi}$1.03 $M_{r\theta}$0.04 $M_{\theta\phi}$-0.32 $M_{\phi r}$1.33 NP1:ϕ_s297.30000°,δ54.76000°,λ140.69000°. NP2:ϕ_s52.58000°,δ58.84000° ,λ42.40000°. Principal axes: T 2.6765,Plg51.0000°,Azm267.0000°; N -0.0278,Plg39.0000° ,Azm82.0000°; P -2.6487,Plg2.0000°,Azm174.0000° $M_0$2.66000×10^{17}
ANF Error ellipse: s-maj=1.6km s-min=1.1km az=149.0.
NEIC Event type se.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 3^{s}1 Moment tensor: Scale 10^{17}Nm; M_{rr}1.19 $M_{\theta\theta}$-2.57 $M_{\phi\phi}$1.38 $M_{r\theta}$-0.58 $M_{\theta\phi}$-0.25 $M_{\phi r}$1.48 NP1:ϕ_s302.99000°,δ67.52000° ,λ140.38000°. NP2:ϕ_s50.55000°,δ53.90000°,λ28.24000°. Principal axes: T 2.8243,Plg43.0000°,Azm262.0000°; N -0.1682,Plg45.0000°,Azm98.0000° ; P -2.6561,Plg8.0000°,Azm360.0000° $M_0$2.74000×10^{17}
IDC Error ellipse: s-maj=7.0km s-min=5.7km az=79.0.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s147,c263; s145,c287;Duration: 1^{s}5 Moment tensor: Scale 10^{17}Nm; M_{rr}1.22±.03 $M_{\theta\theta}$-3.09±.04; $M_{\phi\phi}$1.87±.04; $M_{r\theta}$-0.40±.03; $M_{\theta\phi}$-0.29±.03; $M_{\phi r}$1.56±.02; Best double couple: NP1:ϕ_s305.00000°,δ67.00000°,λ147.00000°. NP2:ϕ_s49.00000°,δ60.00000°,λ27.00000°. Principal axes: T 3.1750,Plg39.0000° ,Azm264.0000°; N -0.0440,Plg50.0000°,Azm94.0000°; P -3.1320,Plg5.0000°,Azm358.0000° $M_0$3.15300×10^{17}
BGR Event type ke.

(207) Eastern New Guinea region

ISC III 02 04 50 53.9–.35 5.85S–.04 147.10E–.06 78 4.7b 214 4-154
BJI III 02 04 50 50.6–.00 5.91S 147.45E 75 5.1b,4.7b **¶610243169**
IDC III 02 04 50 51.9–1.6 5.80S 147.17E 62–14 4.5,4.2b
NEIC III 02 04 50 53.1–1.5 5.82S–.08 147.13E–.10 70–7 4.7b,4.2b
DJA III 02 04 50 53.9–.30 6S–2.0 147E–3.0 70–4 5.5b,5.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(224) Hokkaido region

ISC III 03 08 27 36.2–.26 43.15N–.03 145.48E–.03 91–1 5.3b 1205 0-153
BGR III 03 08 27 31.4 42.79N 145.89E 33 5.4b,4.0s **¶610244544**
BJI III 03 08 27 33.9–.00 43.29N 145.43E 81 5.0b,5.0b
NEIC III 03 08 27 34.5–2.7 43.11N–.06 145.7E–.10 66–5 5.3b,5.1
MOS III 03 08 27 35.8–.84 43.08N 145.44E 100 5.4b,5.1
NEIC III 03 08 27 36.6 43.14N 145.47E 50 5.4b,5.1
NEIC III 03 08 27 36.6 43.14N 145.88E 50 5.4b,5.1
IDC III 03 08 27 36.4–.37 43.14N 145.39E 89–3 5.1,4.8b
NIED III 03 08 27 37.1 43.08N 145.48E 93 4.8W,4.8b
JMA III 03 08 27 37.1–.17 43.1N–.50 145.5E–.80 93–1 4.9W,4.9
SKHL III 03 08 27 37.4–.10 43.10N 145.50E 98–4 6.8s,5.4b
GCMT III 03 08 27 38.5–.30 43.22N–.02 145.38E–.03 86–4 4.9W,5.4b
ISC Event type ke. Moment Tensor Solution. NP1:ϕ_s190.69789°,δ10.78048°,λ36.11670°. NP2: ϕ_s65.06564°,δ83.67020°,λ98.74439°. Principal axes: T Plg50.5867°,Azm344.8136° ; N Plg8.6907°,Azm244.0941°; P Plg38.0732°,Azm147.2171°
BGR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Event type fe. Felt (II-III) at Yuzhno-Kuril'sk. Moment Tensor Solution.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 1^{s}7 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.05 $M_{\theta\theta}$2.67 $M_{\phi\phi}$0.37 $M_{r\theta}$2.68 $M_{\theta\phi}$2.83 $M_{\phi r}$0.88 NP1:ϕ_s249.97000°,δ64.34000° ,λ-73.90000°. NP2:ϕ_s36.29000°,δ29.99000°,λ-119.99000°. Principal axes: T 5.4527,Plg18.0000°,Azm328.0000°; N -1.3337,Plg14.0000°,Azm63.0000° ; P -4.1190,Plg67.0000°,Azm190.0000° $M_0$4.79000×10^{16}
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.73 $M_{\theta\theta}$0.62 $M_{\phi\phi}$0.10 $M_{r\theta}$1.84 $M_{\theta\phi}$0.27 $M_{\phi r}$0.51 NP1:ϕ_s254.00000°,δ80.00000°,λ-87.00000°. NP2:ϕ_s60.00000° ,δ11.00000°,λ-104.00000°. $M_0$2.05000×10^{16}
JMA Event type fe. OFF NEMURO PENINSULA .
SKHL Event type fe. Felt (II-III) at Yushno-Kuril'sk.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s26,c26; s103,c137;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.39±.14 $M_{\theta\theta}$1.23±.17; $M_{\phi\phi}$0.16±.15; $M_{r\theta}$2.35±.07; $M_{\theta\phi}$0.70±.11; $M_{\phi r}$0.65±.07; Best double couple: NP1:ϕ_s253.00000°,δ75.00000°,λ-84.00000°. NP2:ϕ_s52.00000°,δ17.00000°,λ-110.00000°. Principal axes: T 2.9260,Plg29.0000° ,Azm338.0000°; N -0.1310,Plg6.0000°,Azm72.0000°; P -2.7860,Plg60.0000°,Azm172.0000° $M_0$2.85600×10^{16}

(224) Hokkaido region

ISC III 07 16 08 19.1–.26 41.49N–.03 141.99E–.03 61–1 5.1b 1056 1-153
BJI III 07 16 08 15.0–.00 41.43N 142.31E 65 5.6b,5.3s **¶616203825**
MOS III 07 16 08 17.5–.96 41.50N 141.92E 59 5.3s,5.2b
NEIC III 07 16 08 18 41.51N 141.97E 54 5.3s,5.2b
BGR III 07 16 08 19.2 42.56N 143.78E 33 5.3s,5.1b
JMA III 07 16 08 19.0–.14 41.5N–.50 142.0E–.70 65–2 5.7W,5.2
IDC III 07 16 08 19.9–1.6 41.47N 141.91E 68–14 4.9s,4.7
NIED III 07 16 08 19.0 41.48N 141.98E 65 5.6W,4.7
NEIC III 07 16 08 19.0–1.1 41.52N–.05 141.90E–.10 56–1 5.7,5.7
NEIC III 07 16 08 19 41.53N 141.90E 55 5.7,5.7
NEIC III 07 16 08 19 41.53N 141.90E 55 5.7,5.7
GCMT III 07 16 08 22.0–.10 41.49N–.01 142.16E–.01 55–0 5.7W,5.7
NEIC III 07 16 08 26 41.41N 142.24E 60 5.7W,5.7
ISC Event type ke. Moment Tensor Solution. NP1:ϕ_s219.12885°,δ83.99121°,λ-117.47221°. NP2: ϕ_s117.74573°,δ28.07162°,λ-12.85318°. Principal axes: T Plg33.3603°,Azm332.1178° ; N Plg27.3087°,Azm222.2443°; P Plg44.2622°,Azm102.0323° Moment Tensor Solution. NP1:ϕ_s347.04108°,δ84.96965°,λ66.56986°. NP2:ϕ_s245.60271°,δ23.93426°,λ167.51787°. Principal axes: T Plg45.0972°,Azm233.5687°; N Plg23.3345°,Azm349.2172°; P Plg35.7537° ,Azm97.3122°
MOS Error ellipse: s-maj=5.2km s-min=3.7km az=108.0.
NEIC Event type se.
BGR Event type ke.
JMA Event type fe. E OFF AOMORI PREF .
IDC Error ellipse: s-maj=11.5km s-min=9.8km az=122.0.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{17}Nm; M_{rr}1.66 $M_{\theta\theta}$-0.17 $M_{\phi\phi}$-1.49 $M_{r\theta}$1.13 $M_{\theta\phi}$-0.33 $M_{\phi r}$2.50 NP1:ϕ_s23.00000°,δ75.00000°,λ95.00000°. NP2:ϕ_s186.00000° ,δ16.00000°,λ74.00000°. $M_0$3.18000×10^{17}
NEIC Event type se. Error ellipse: s-maj=13.0km s-min=8.2km az=115.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.55 $M_{\theta\theta}$-0.02 $M_{\phi\phi}$-1.53 $M_{r\theta}$0.06 $M_{\theta\phi}$-0.77 $M_{\phi r}$2.15 NP1:ϕ_s222.20000°,δ22.45000°,λ124.32000°. NP2:ϕ_s5.75000°,δ71.62000° ,λ76.89000°. Principal axes: T 2.6824,Plg61.0000°,Azm256.0000°; N 0.1321,Plg12.0000°

,Azm10.0000°; P -2.8145,Plg26.0000°,Azm106.0000° M0 2.75000$\times10^{17}$ Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; Mrr3.89 Mθθ0.14 Mφφ-4.02 Mrθ1.18 Mθφ-0.48 Mφr2.74 NP1:φs176.11000°,δ27.98000°,λ71.81000°. NP2:φs16.51000°,δ63.53000° ,λ99.41000°. Principal axes: T 4.9447,Plg70.0000°,Azm306.0000°; N 0.0614,Plg8.0000° ,Azm192.0000°; P -5.0061,Plg18.0000°,Azm100.0000° M0 4.98000$\times10^{17}$
NEIC Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s146,c279; s158,c329;Duration: 1s7 Moment tensor: Scale 10^{17}Nm; Mrr3.56±.06 Mθθ-0.43±.04; Mφφ-3.13±.04; Mrθ1.23±.04; Mθφ-1.27±.04; Mφr2.32±.04; Best double couple: NP1:φs25.00000°,δ63.00000°,λ93.00000°. NP2:φs198.00000°,δ27.00000°,λ83.00000°. Principal axes: T 4.4250,Plg72.0000° ,Azm303.0000°; N 0.0580,Plg3.0000°,Azm204.0000°; P -4.4820,Plg18.0000°,Azm113.0000° M0 4.45300$\times10^{17}$
NEIC Event type se. Moment Tensor Solution.Duration: 16s0 Moment tensor: Scale 10^{17}Nm; Mrr3.56 Mθθ-0.56 Mφφ-3.00 Mrθ0.99 Mθφ-1.47 Mφr1.57 NP1:φs202.00000°,δ32.00000° ,λ84.00000°. NP2:φs28.00000°,δ59.00000°,λ94.00000°. Principal axes: T 4.0112,Plg76.0000°,Azm309.0000°; N 0.1146,Plg3.0000°,Azm207.0000° ; P -4.1258,Plg13.0000°,Azm116.0000° M0 4.07000$\times10^{17}$

(207) Eastern New Guinea region

ISC III 08 07 30 43.2–.30 6.32S–.04 147.58E–.06 63 4.8b 229 3-153
BJI III 08 07 30 39.2–.00 6.31S 148.07E 60 5.1b,4.8b **¶610273100**
IDC III 08 07 30 42.9–1.3 6.27S 147.51E 62–11 4.7,4.4b
DJA III 08 07 30 43.8–.40 6S–2.0 148E–3.0 70–4 5.7b,5.3
NEIC III 08 07 30 44.0–1.2 6.30S–.03 147.59E–.10 67–7 4.7b,5.3
GCMT III 08 07 30 46.0–.40 6.54S–.03 147.62E–.03 64–3 4.8W,5.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s34,c39; s53,c63;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr1.72±.14 Mθθ-1.39±.12; Mφφ-0.32±.13; Mrθ1.29±.08; Mθφ-0.53±.12; Mφr-0.06±.09; Best double couple: NP1:φs82.00000°,δ64.00000°,λ102.00000°. NP2:φs237.00000°,δ28.00000°,λ68.00000°. Principal axes: T 2.2070,Plg69.0000° ,Azm15.0000°; N -0.2080,Plg10.0000°,Azm257.0000°; P -1.9930,Plg18.0000° ,Azm163.0000° M0 2.10000$\times10^{16}$

(221) Kuril Islands

ISC III 09 02 50 34.6–.30 45.37N–.03 148.07E–.04 145–2 4.7b 670 0-152
BGR III 09 02 50 17.5 46.07N 152.94E 33 4.9b,3.9s **¶610305038**
BJI III 09 02 50 31.7–.00 45.51N 148.11E 140 5.1b,5.0b
SKHL III 09 02 50 33.5–.30 45.20N 148.30E 141–6 6.2,5.6s
MOS III 09 02 50 33.7–1.1 45.34N 147.98E 151 4.7b,5.6s
NEIC III 09 02 50 34.7–1.2 45.37N–.07 147.9E–.10 136–5 4.7b,5.6s
NIED III 09 02 50 34.5 44.97N 148.20E 164 4.7W,5.6s
JMA III 09 02 50 34.5–.48 45N–2.0 148E–3.0 164 5.0W,4.7
IDC III 09 02 50 35.5–.39 45.56N 147.90E 147–2 4.6,4.1b
GCMT III 09 02 50 37.7–.30 45.40N–.02 148.03E–.02 145–3 5.0W,4.1b
ISC Event type ke.
BGR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; Mrr-0.44 Mθθ-0.08 Mφφ0.51 Mrθ0.83 Mθφ0.21 Mφr-1.13 NP1:φs330.00000°,δ84.00000°,λ-105.00000°. NP2:φs216.00000° ,δ16.00000°,λ-24.00000°. M0 1.48000$\times10^{16}$
JMA Event type ke. NEAR ETOROFU ISLAND .
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s28,c30; s115,c167;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr-0.91±.13 Mθθ1.44±.21; Mφφ-0.53±.20; Mrθ-2.36±.10; Mθφ0.15±.19; Mφr-3.21±.10; Best double couple: NP1:φs40.00000°,δ85.00000°,λ-104.00000°. NP2:φs291.00000°,δ15.00000°,λ-19.00000°. Principal axes: T 3.8990,Plg38.0000° ,Azm143.0000°; N 0.5130,Plg14.0000°,Azm41.0000°; P -4.4170,Plg48.0000°,Azm295.0000° M0 4.15800$\times10^{16}$

(280) Banda Sea

ISC III 11 14 04 50.7–.32 6.84S–.03 130.30E–.05 124–2 5.1b 488 2-158
KLM III 11 14 04 46 6.81S 130.80E 92 5.5b **¶610323394**
MOS III 11 14 04 47.8–.88 6.75S 130.22E 104 5.2b
BJI III 11 14 04 47.3–.00 6.89S 130.72E 123 5.1b,4.9b
GCMT III 11 14 04 49.8–.30 6.74S–.02 130.28E–.02 124–2 4.9W,4.9b
NEIC III 11 14 04 49.8–2.6 6.78S–.06 130.28E–.07 113–5 5.2b,4.9b
DJA III 11 14 04 50.8–.20 7S–2.0 130E–1.0 120–2 5.8,5.6b
IDC III 11 14 04 51.2–1.3 6.79S 130.29E 121–10 5.1,4.7b
ISC Event type se. Moment Tensor Solution. NP1:φs117.02545°,δ85.33284°,λ-158.41013°. NP2: φs25.18123°,δ68.48528°,λ-5.01757°. Principal axes: T Plg11.6416°,Azm249.1935° ; N Plg67.9350°,Azm128.6445°; P Plg18.4731°,Azm343.1401° Moment Tensor Solution. NP1:φs293.24448°,δ72.73449°,λ116.55550°. NP2:φs53.94833°,δ31.32907°,λ34.80753°. Principal axes: T Plg54.4764°,Azm236.2053°; N Plg25.2722°,Azm104.8068°; P Plg23.2122° ,Azm3.1258°
MOS Error ellipse: s-maj=11.6km s-min=5.9km az=107.4.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s23,c33; s81,c116;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr0.92±.08 Mθθ-2.85±.09; Mφφ1.93±.10; Mrθ-0.52±.06; Mθφ0.04±.09; Mφr1.22±.06; Best double couple: NP1:φs310.00000°,δ73.00000°,λ148.00000°. NP2:φs50.00000°,δ60.00000°,λ20.00000°. Principal axes: T 2.7590,Plg34.0000° ,Azm267.0000°; N 0.1740,Plg54.0000°,Azm105.0000°; P -2.9280,Plg8.0000°,Azm3.0000° M0 2.84300$\times10^{16}$
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=8.2km az=76.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=17.0km s-min=8.1km az=83.0.

(235) Kyushu

ISC III 11 18 48 41.3–.19 31.00N–.02 130.38E–.02 146–1 5.5b 1887 0-176
BJI III 11 18 48 35.8–.00 30.73N 130.79E 141 5.4b,5.3b **¶614155284**
MOS III 11 18 48 40.4–1.0 31.03N 130.39E 150 5.7b,4.0s
IDC III 11 18 48 41.1–.35 31.00N 130.35E 142–2 5.3,4.9b
NEIC III 11 18 48 41.0–1.9 31.00N–.04 130.39E–.07 138–3 5.5b,5.4
NEIC III 11 18 48 41.4 31.03N 130.38E 140 5.5b,5.4
NEIC III 11 18 48 41.1 30.99N 130.40E 140 5.5b,5.4
NEIC III 11 18 48 41.4 30.93N 130.62E 140 5.5b,5.4
JMA III 11 18 48 42.2–.12 31.0N–.30 130.4E–.60 136–1 5.3W,5.1
NIED III 11 18 48 42.2 30.99N 130.42E 136 5.3W,5.1
GCMT III 11 18 48 43.0–.10 31.03N–.01 130.37E–.01 146–1 5.4W,5.1
BGR III 11 18 48 44.9 31.67N 131.34E 151–1 6.1b,5.1
ISC Event type ke. Moment Tensor Solution. NP1:φs223.61404°,δ18.33678°,λ88.48878°. NP2: φs45.20607°,δ71.66983°,λ90.50079°. Principal axes: T Plg63.3269°,Azm315.9949° ; N Plg0.4754°,Azm225.0486°; P Plg26.6682°,Azm134.8098°
MOS Error ellipse: s-maj=5.5km s-min=3.3km az=112.2.
IDC Error ellipse: s-maj=7.8km s-min=5.8km az=93.0.
NEIC Event type se. Error ellipse: s-maj=8.8km s-min=6.4km az=97.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; Mrr0.92 Mθθ-0.05 Mφφ-0.87 Mrθ0.39 Mθφ-0.59 Mφr1.26 NP1:φs220.92000°,δ20.44000°,λ110.95000°. NP2:φs18.70000°,δ70.96000° ,λ82.41000°. Principal axes: T 1.5726,Plg63.0000°,Azm277.0000°; N 0.2293,Plg7.0000° ,Azm21.0000°; P -1.8019,Plg26.0000°,Azm115.0000° M0 1.70000$\times10^{17}$
NEIC Event type se.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2s3 Moment tensor: Scale 10^{17}Nm; Mrr0.77 Mθθ-0.24 Mφφ-0.54 Mrθ0.44 Mθφ-0.34 Mφr0.69 NP1:φs32.98000°,δ68.38000° ,λ89.87000°. NP2:φs213.32000°,δ21.62000°,λ90.32000°. Principal axes: T 1.1276,Plg67.0000°,Azm303.0000°; N -0.0153,Plg0.0000°,Azm33.0000° ; P -1.1124,Plg23.0000°,Azm123.0000° M0 1.12000$\times10^{17}$
JMA Event type fe. NEAR TANEGASHIMA ISLAND .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{17}Nm; Mrr0.57 Mθθ-0.12 Mφφ-0.45 Mrθ0.56 Mθφ-0.29 Mφr0.77 NP1:φs35.00000°,δ74.00000°,λ93.00000°. NP2:φs204.00000° ,δ16.00000°,λ79.00000°. M0 1.12000$\times10^{17}$
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s112,c172; s145,c258;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; Mrr0.69±.02 Mθθ-0.26±.03; Mφφ-0.42±.03; Mrθ0.69±.02; Mθφ-0.31±.03; Mφr1.10±.02; Best double couple: NP1:φs33.00000°,δ76.00000°,λ88.00000°. NP2:φs222.00000°,δ14.00000°,λ99.00000°. Principal axes: T 1.4780,Plg59.0000° ,Azm300.0000°; N -0.0280,Plg2.0000°,Azm33.0000°; P -1.4500,Plg31.0000°,Azm125.0000° M0 1.46400$\times10^{17}$

BGR Event type ke.

(207) Eastern New Guinea region

ISC III 13 00 48 27.7–.66 6.21S–.08 147.6E–.10 77 4.2b 45 3-146
DJA III 13 00 48 20.5–.60 6S–5.0 147E–6.0 10 5.8b,5.3 **¶610326164**
IDC III 13 00 48 25.9–2.3 6.11S 147.61E 67–22 4.0,3.6b
NEIC III 13 00 48 28.1–.69 6.3S–.10 147.5E–.10 57–17 4.1b,3.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(216) Mariana Islands

ISC III 13 08 49 05.6–.22 14.41N–.03 145.31E–.03 113–1 5.4b 1771 1-175
BJI III 13 08 48 58.8–.00 14.06N 145.83E 100 5.6b,5.4b **¶610326133**
DJA III 13 08 49 01.0–.80 15N–6.0 145E–4.0 98–6 6.1,6.0b
MOS III 13 08 49 04.6–1.0 14.37N 145.17E 115 5.5b,4.5s
NEIC III 13 08 49 05.3 14.33N 145.27E 120 5.5b,4.5s
NEIC III 13 08 49 05.9 14.33N 145.26E 104 5.5b,4.5s
NEIC III 13 08 49 05.3–2.1 14.39N–.08 145.21E–.08 99–1 5.5,5.5
IDC III 13 08 49 05.3–.41 14.43N 145.32E 108–3 5.4,5.1b
NEIC III 13 08 49 05.3 14.53N 146.09E 120 5.4,5.1b
KLM III 13 08 49 05 14.34N 145.34E 103 5.2b,5.1b
GCMT III 13 08 49 07.3–.10 14.32N–.01 145.31E–.01 108–0 5.6W,5.1b
ISC Event type se. Moment Tensor Solution. NP1:φs164.89398°,δ27.03143°,λ-85.85732°. NP2: φs340.24533°,δ63.04493°,λ-92.11087°. Principal axes: T Plg18.0192°,Azm71.8148° ; N Plg1.8815°,Azm341.2025°; P Plg71.8761°,Azm245.4425°
NEIC Event type se.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; Mrr-1.39 Mθθ0.76 Mφφ0.63 Mrθ1.26 Mθφ-0.19 Mφr-1.74 NP1:φs322.23000°,δ76.12000°,λ-87.17000°. NP2:φs130.59000°,δ14.16000° ,λ-101.30000°. Principal axes: T 2.1626,Plg31.0000°,Azm50.0000°; N 0.5276,Plg3.0000° ,Azm142.0000°; P -2.6902,Plg59.0000°,Azm236.0000° M0 2.47000$\times10^{17}$
NEIC Event type se. Moment Tensor Solution.Duration: 2s5 Moment tensor: Scale 10^{17}Nm; Mrr-1.48 Mθθ0.49 Mφφ0.99 Mrθ0.60 Mθφ-0.96 Mφr-1.19 NP1:φs329.93000°,δ65.04000° ,λ-82.70000°. NP2:φs133.04000°,δ25.94000°,λ-105.27000°. Principal axes: T 2.2037,Plg20.0000°,Azm54.0000°; N -0.2245,Plg7.0000°,Azm147.0000° ; P -1.9792,Plg69.0000°,Azm255.0000° M0 2.09000$\times10^{17}$
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s148,c265; s164,c326;Duration: 1s5 Moment tensor: Scale 10^{17}Nm; Mrr-1.55±.03 Mθθ1.28±.03; Mφφ0.27±.03; Mrθ0.93±.02; Mθφ-0.82±.03; Mφr-2.02±.02; Best double couple: NP1:φs326.00000°,δ73.00000°,λ-72.00000°. NP2:φs98.00000°,δ24.00000°,λ-135.00000°. Principal axes: T 2.6390,Plg26.0000° ,Azm42.0000°; N 0.2490,Plg17.0000°,Azm141.0000°; P -2.8830,Plg58.0000°,Azm261.0000° M0 2.76100$\times10^{17}$

(224) Hokkaido region

ISC III 14 03 56 48.8–.37 42.79N–.03 142.65E–.03 96–2 4.9b 903 0-163
BJI III 14 03 56 47.2–.00 42.66N 142.47E 86 5.2b,4.7b **¶610327655**
SKHL III 14 03 56 48.6–.30 42.70N 142.70E 105–6 6.7,5.8b
MOS III 14 03 56 48.1–1.0 42.76N 142.61E 105 5.0b,5.8b
NEIC III 14 03 56 48.5–1.4 42.72N–.03 142.7E–.10 90–5 5.0b,4.7
NEIC III 14 03 56 48.8 42.70N 142.71E 92 5.0b,4.7
IDC III 14 03 56 49.0–.88 42.81N 142.66E 97–6 4.8,4.5b
NIED III 14 03 56 50.2 42.82N 142.70E 82 4.7W,4.5b
JMA III 14 03 56 50.2–.23 42.8N–.50 142.7E–.70 82–2 4.7W,4.7
BGR III 14 03 56 57.4 43.86N 141.31E 103 5.1b,4.7
ISC Event type ke. Moment Tensor Solution. NP1:φs129.95450°,δ60.56084°,λ108.40312°. NP2: φs275.85880°,δ34.27538°,λ60.77804°. Principal axes: T Plg68.7256°,Azm77.9245° ; N Plg15.9582°,Azm300.6671°; P Plg13.6959°,Azm206.6711°
MOS Error ellipse: s-maj=5.9km s-min=4.2km az=93.2.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=4.0km az=92.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; Mrr0.39 Mθθ-0.34 Mφφ-0.05 Mrθ1.18 Mθφ-0.08 Mφr-0.45 NP1:φs109.03000°,δ82.69000°,λ96.80000°. NP2:φs245.86000°,δ9.97000° ,λ47.27000°. Principal axes: T 1.3836,Plg52.0000°,Azm27.0000°; N -0.1305,Plg7.0000° ,Azm288.0000°; P -1.2531,Plg37.0000°,Azm193.0000° M0 1.32000$\times10^{16}$
NEIC Event type se.
IDC Error ellipse: s-maj=10.1km s-min=8.1km az=129.0.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; Mrr-0.22 Mθθ-0.08 Mφφ0.29 Mrθ1.31 Mθφ-0.38 Mφr-0.41 NP1:φs289.00000°,δ86.00000°,λ-107.00000°. NP2:φs185.00000° ,δ17.00000°,λ-15.00000°. M0 1.44000$\times10^{16}$
JMA Event type fe. HIDAKA MOUNTAINS REGION .
BGR Event type ke.

(265) Minahassa Peninsula, Sulawesi

ISC III 14 05 55 21.0–.19 0.57N–.03 121.15E–.03 84–1 5.5b 1140 1-165
BJI III 14 05 55 17.2–.00 0.29N 121.45E 86 5.5b,5.4b **¶610327695**
MOS III 14 05 55 18.4–.92 0.64N 121.21E 74 5.8b,4.2s
NEIC III 14 05 55 21.3 0.66N 121.16E 60 5.8b,4.2s
DJA III 14 05 55 21.4–.10 1N–1.0 121E–1.0 79–2 6.0,5.9b
NEIC III 14 05 55 21.3 0.76N 121.16E 60 6.0,5.9b
NEIC III 14 05 55 21.5–2.4 0.65N–.06 121.15E–.06 75–4 5.6b,5.4
GCMT III 14 05 55 21.5–.10 0.70N–.01 121.14E–.01 88–1 5.4W,5.4
IDC III 14 05 55 22.9–1.4 0.60N 121.18E 101–12 5.2,4.9b
KLM III 14 05 55 30 0.96N 120.64E 98 5.9b,4.9b
ISC Event type se. Moment Tensor Solution. NP1:φs154.00291°,δ57.98035°,λ-168.57076°. NP2: φs57.88470°,δ80.32779°,λ-32.53778°. Principal axes: T Plg14.8396°,Azm109.8102° ; N Plg56.2071°,Azm223.1313°; P Plg29.5852°,Azm11.1588°
MOS Error ellipse: s-maj=8.2km s-min=4.2km az=114.2.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2s7 Moment tensor: Scale 10^{17}Nm; Mrr-0.11 Mθθ-1.26 Mφφ1.37 Mrθ-0.99 Mθφ0.17 Mφr-0.06 NP1:φs45.71000°,δ74.29000° ,λ-26.60000°. NP2:φs143.43000°,δ64.47000°,λ-162.54000°. Principal axes: T 1.3917,Plg7.0000°,Azm96.0000°; N 0.4398,Plg59.0000°,Azm197.0000° ; P -1.8316,Plg30.0000°,Azm2.0000° M0 1.61000$\times10^{17}$
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=7.7km az=45.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s126,c191; s138,c266;Duration: 1s3 Moment tensor: Scale 10^{17}Nm; Mrr-0.51±.02 Mθθ-1.10±.02; Mφφ1.61±.02; Mrθ-0.94±.01; Mθφ0.21±.02; Mφr-0.14±.02; Best double couple: NP1:φs44.00000°,δ70.00000°,λ-32.00000°. NP2:φs146.00000°,δ60.00000°,λ-157.00000°. Principal axes: T 1.6510,Plg7.0000° ,Azm97.0000°; N 0.1460,Plg53.0000°,Azm196.0000°; P -1.7930,Plg36.0000°,Azm2.0000° M0 1.72200$\times10^{17}$
IDC Error ellipse: s-maj=10.3km s-min=6.4km az=59.0.

(186) Vanuatu Islands

ISC III 14 12 36 43.5–.25 21.04S–.03 170.03E–.03 140–1 5.8b 2165 3-171
BGR III 14 12 36 40.5 21.99S 171.33E 139 5.8b **¶615317069**
BJI III 14 12 36 42.1–.00 20.79S 169.86E 133 5.9b,5.7b
MOS III 14 12 36 42.3–.93 20.97S 170.02E 135 5.8b,4.5s
NEIC III 14 12 36 43.3 21.00S 170.02E 140 5.8b,4.5s
NEIC III 14 12 36 43.3–1.9 21.01S–.07 170.07E–.07 127–1 5.8b,5.7
IDC III 14 12 36 43.1–.84 21.03S 170.05E 134–6 5.8,5.5b
NEIC III 14 12 36 43.3 21.00S 170.02E 123 5.8,5.5b
NEIC III 14 12 36 43.3 21.00S 170.02E 140 5.8,5.5b
NOU III 14 12 36 44.8 20.96S 169.95E 140 5.8L,5.5b
GCMT III 14 12 36 46.3–.10 21.04S–.01 169.89E–.01 146–0 5.6W,5.5b
ISC Event type ke. Moment Tensor Solution. NP1:φs137.90501°,δ37.80443°,λ83.31293°. NP2: φs326.34555°,δ52.49735°,λ95.16207°. Principal axes: T Plg81.5622°,Azm262.0401° ; N Plg4.0931°,Azm143.1975°; P Plg7.3659°,Azm52.6675°
BGR Event type ke.
NEIC Event type se. Moment Tensor Solution.Duration: 3s3 Moment tensor: Scale 10^{17}Nm; Mrr2.42 Mθθ-0.05 Mφφ-2.38 Mrθ1.77 Mθφ1.43 Mφr-0.04 NP1:φs127.64000°,δ60.00000° ,λ56.65000°. NP2:φ0.41000°,δ43.66000°,λ133.59000°. Principal axes: T 3.4167,Plg60.0000°,Azm347.0000°; N -0.2362,Plg28.0000°,Azm146.0000° ; P -3.1805,Plg9.0000°,Azm241.0000° M0 3.30000$\times10^{17}$
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; Mrr2.68 Mθθ0.19 Mφφ-2.87 Mrθ1.70 Mθφ1.84 Mφr0.80 NP1:φs126.13000°,δ53.75000°,λ47.10000°. NP2:φs3.66000°,δ53.79000° ,λ132.87000°. Principal axes: T 3.9103,Plg57.0000°,Azm335.0000°; N -0.1805,Plg33.0000° ,Azm155.0000°; P -3.7298,Plg0.0000°,Azm65.0000° M0 3.82000$\times10^{17}$

NEIC Event type se.
NEIC Event type se.
NOU Vanuatu Islands.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s146,c246; s157,c322;Duration: 1s6 Moment tensor: Scale 10^{17}Nm; Mrr1.89±.03 Mθθ0.67±.04; Mφφ-2.56±.04; Mrθ1.74±.03; Mθφ1.71±.04; Mφr0.54±.03; Best double couple: NP1:φs123.00000°,δ60.00000°,λ41.00000°. NP2:φs10.00000°,δ56.00000°,λ143.00000°. Principal axes: T 3.4790,Plg49.0000° ,Azm339.0000°; N -0.1730,Plg41.0000°,Azm154.0000°; P -3.3060,Plg2.0000° ,Azm246.0000° M0 3.39200×10^{17}

(282) South of Jawa

ISC	**III**	**15 02 34 02.3–.96**	**9.25S–.06**	**110.06E–.05**	**62–9**	**4.2b**	**97**	**1-143**
IDC	III	15 02 34 02.4–8.7	8.96S	110.11E	54–76	4.2,3.9b		**¶610546229**
NEIC	III	15 02 34 02.2–1.9	9.23S–.07	110.00E–.04	56–6	4.2b,3.9b		
DJA	III	15 02 34 02.9–.30	9S–3.0	110E–2.0	46–9	5.5b,5.0		

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

(129) Salta Province

ISC	**III**	**16 08 08 05.7–.45**	**24.13S–.03**	**66.90W–.04**	**178–4**	**5.2b**	**918**	**1-171**
NEIC	III	16 08 08 04.1	24.24S	67.02W	190	5.2b		**¶610329841**
NEIC	III	16 08 08 04.1	24.14S	66.80W	190	5.2b		
NEIC	III	16 08 08 05.7–2.1	24.15S–.05	66.86W–.08	177–4	5.2b,5.1		
IDC	III	16 08 08 06.7–.77	24.07S	66.79W	182–6	5.1,4.6b		
BJI	III	16 08 08 06.0–.00	24.10S	66.80W	174	5.5b,4.6b		
MOS	III	16 08 08 06.0–1.3	24.09S	66.93W	189	5.2b,4.6b		
VAO	III	16 08 08 07.1–.26	24.10S	66.88W	190	5.0b,4.6b		
SJA	III	16 08 08 07.7–1.9	24.13S	66.96W	175	5.2L,4.9W		
GUC	III	16 08 08 08.5–.51	23.87S	67.50W	238–6	5.4L,4.9W		
GCMT	III	16 08 08 10.7–.20	24.24S–.02	67.07W–.02	205–1	5.2W,4.9W		

ISC Event type se. Moment Tensor Solution. NP1:φs33.41597°,δ78.00380°,λ-106.37562°. NP2: φs268.14368°,δ20.20194°,λ-37.00458°. Principal axes: T Plg31.1069°,Azm136.8802° ; N Plg16.0083°,Azm36.9111°; P Plg54.1523°,Azm283.5139° Moment Tensor Solution. NP1: φs346.59457°,δ45.22334°,λ-105.81827°. NP2:φs188.50655°,δ46.92335°,λ-74.63864°. Principal axes: T Plg0.8658°,Azm267.7091°; N Plg11.1570°,Azm357.8798°; P Plg78.8086° ,Azm173.3285°
NEIC Event type se. Moment Tensor Solution.Duration: 1s7 Moment tensor: Scale 10^{16}Nm; Mrr-4.82 Mθθ0.66 Mφφ4.17 Mrθ0.37 Mθφ1.82 Mφr-1.92 NP1:φs11.31000°,δ55.37000° ,λ-103.71000°. NP2:φs214.55000°,δ36.93000°,λ-71.06000°. Principal axes: T 5.2108,Plg9.0000°,Azm111.0000°; N 0.0990,Plg11.0000°,Azm19.0000° ; P -5.3098,Plg75.0000°,Azm240.0000° M0 5.26000×10^{16}
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC Hypocentre not reviewed by the ISC.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s54,c67; s114,c160;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr-6.22±.14 Mθθ0.30±.17; Mφφ5.92±.21; Mrθ0.59±.13; Mθφ1.73±.19; Mφr-1.97±.17; Best double couple: NP1:φs6.00000°,δ53.00000°,λ-102.00000°. NP2:φs205.00000°,δ38.00000°,λ-75.00000°. Principal axes: T 6.6470,Plg8.0000° ,Azm105.0000°; N -0.0100,Plg9.0000°,Azm13.0000°; P -6.6400,Plg78.0000°,Azm234.0000° M0 6.64300×10^{16}

(248) Philippine Islands region

ISC	**III**	**16 17 16 43.3–.31**	**5.02N–.04**	**127.71E–.05**	**80**	**4.7b**	**261**	**2-123**
BJI	III	16 17 16 39.5–.00	4.60N	127.90E	88	5.0b,4.7b		**¶610330752**
MAN	III	16 17 16 43.9	5.37N	127.76E	59	5.5b,4.8s		
IDC	III	16 17 16 43.4–1.2	5.00N	127.62E	80–10	4.4,4.1b		
NEIC	III	16 17 16 44.4–1.5	5.06N–.05	127.74E–.09	83–8	4.9b,4.1b		
DJA	III	16 17 16 45.2–.30	5N–2.0	128E–2.0	88–3	5.2b,4.8		

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

(237) Southeast of Shikoku

ISC	**III**	**17 06 57 11.5–.29**	**30.42N–.03**	**130.59E–.03**	**67–2**	**5.2b**	**944**	**0-174**
BGR	III	17 06 57 07.5	31.34N	132.23E	33	5.6b		**¶611832082**
MOS	III	17 06 57 09.1–.93	30.37N	130.61E	59	5.3b		
JMA	III	17 06 57 10.5–.10	30.4N–.30	130.6E–.30	60–0	5.0W,4.9		
NIED	III	17 06 57 10.5	30.40N	130.57E	60	5.0W,4.9		
NEIC	III	17 06 57 11.6	30.44N	130.63E	61	5.0W,4.9		
IDC	III	17 06 57 11.4–1.2	30.43N	130.53E	67–9	4.9,4.7b		
BJI	III	17 06 57 11.2–.00	30.38N	130.61E	83	5.0b,5.0b		
NEIC	III	17 06 57 11.8–2.0	30.44N–.05	130.66E–.09	64–6	5.2b,4.9		
GCMT	III	17 06 57 11.8–.20	30.44N–.02	130.70E–.02	62–2	5.1W,4.9		

ISC Event type ke.
BGR Event type ke.
JMA Event type fe. NEAR TANEGASHIMA ISLAND .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; Mrr-0.52 Mθθ1.06 Mφφ-0.54 Mrθ-0.33 Mθφ2.38 Mφr2.00 NP1:φs192.00000°,δ80.00000°,λ-143.00000°. NP2:φs94.00000° ,δ54.00000°,λ-13.00000°. M0 3.24000×10^{16}
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; Mrr-1.40 Mθθ0.34 Mφφ1.07 Mrθ-0.38 Mθφ2.51 Mφr1.26 NP1:φs184.26000°,δ69.56000°,λ-142.70000°. NP2:φs79.36000°,δ55.40000° ,λ-25.10000°. Principal axes: T 3.3484,Plg9.0000°,Azm309.0000°; N -0.5643,Plg48.0000° ,Azm209.0000°; P -2.7841,Plg40.0000°,Azm47.0000° M0 3.10000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s54,c70; s98,c139;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr0.14±.17 Mθθ2.24±.17; Mφφ-2.38±.18; Mrθ0.21±.11; Mθφ3.33±.12; Mφr3.05±.10; Best double couple: NP1:φs197.00000°,δ88.00000°,λ-144.00000°. NP2:φs105.00000°,δ54.00000°,λ-3.00000°. Principal axes: T 4.6660,Plg23.0000° ,Azm325.0000°; N 0.7380,Plg54.0000°,Azm200.0000°; P -5.4090,Plg26.0000°,Azm67.0000° M0 5.03800×10^{16}

(171) South of Fiji Islands

ISC	**III**	**17 10 18 40.9–.31**	**23.59S–.04**	**176.85W–.04**	**126–2**	**5.5b**	**1567**	**6-178**
MOS	III	17 10 18 38.5–.90	23.45S	177.06W	108	5.5b		**¶610331619**
BJI	III	17 10 18 39.0–.00	23.00S	176.24W	121	5.4b,5.3b		
NEIC	III	17 10 18 39.1	23.59S	176.77W	104	5.4b,5.3b		
IDC	III	17 10 18 39.4–1.7	23.48S	176.99W	107–14	5.5,5.1b		
NEIC	III	17 10 18 40.3–2.5	23.58S–.07	176.77W–.09	115–1	5.5,5.5b		
NEIC	III	17 10 18 40.3	23.58S	176.77W	130	5.5,5.5b		
NEIC	III	17 10 18 40.3	23.78S	176.34W	130	5.5,5.5b		
GCMT	III	17 10 18 43.3–.10	23.60S–.01	176.62W–.01	124–0	5.4W,5.5b		
NOU	III	17 10 18 43.2	23.71S	176.63W	160	5.4L,5.5b		

ISC Event type se. Moment Tensor Solution. NP1:φs344.63074°,δ58.57126°,λ-110.18118°. NP2: φs199.81032°,δ36.78360°,λ-60.55322°. Principal axes: T Plg11.3973°,Azm89.0403° ; N Plg17.1201°,Azm355.4803°; P Plg69.2340°,Azm211.1560°
MOS Error ellipse: s-maj=8.6km s-min=7.3km az=82.7.
NEIC Event type se.
IDC Error ellipse: s-maj=10.5km s-min=9.7km az=104.0.
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=11.6km az=106.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; Mrr-1.23 Mθθ-0.20 Mφφ1.43 Mrθ-0.51 Mθφ0.11 Mφr-1.24 NP1:φs17.58000°,δ68.13000°,λ-77.92000°. NP2:φs167.69000°,δ24.84000° ,λ-117.54000°. Principal axes: T 1.9623,Plg22.0000°,Azm98.0000°; N -0.1204,Plg11.0000° ,Azm193.0000°; P -1.8419,Plg65.0000°,Azm308.0000° M0 1.90000×10^{17}
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2s5 Moment tensor: Scale 10^{17}Nm; Mrr-1.25 Mθθ0.19 Mφφ1.06 Mrθ-0.25 Mθφ0.14 Mφr-1.19 NP1:φs10.99000°,δ68.08000° ,λ-88.50000°. NP2:φs186.98000°,δ21.97000°,λ-93.72000°. Principal axes: T 1.6000,Plg23.0000°,Azm100.0000°; N 0.1707,Plg1.0000°,Azm190.0000° ; P -1.7707,Plg67.0000°,Azm284.0000° M0 1.69000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s138,c236; s153,c293;Duration: 1s3 Moment tensor: Scale 10^{17}Nm; Mrr-0.91±.02 Mθθ-0.03±.02; Mφφ0.94±.02; Mrθ-0.53±.02; Mθφ-0.22±.02; Mφr-1.38±.02; Best double couple: NP1:φs14.00000°,δ75.00000°,λ-75.00000°. NP2:φs148.00000°,δ21.00000°,λ-134.00000°. Principal axes: T 1.6810,Plg28.0000° ,Azm92.0000°; N 0.1470,Plg15.0000°,Azm190.0000°; P -1.8280,Plg57.0000°,Azm304.0000° M0 1.75400×10^{17}
NOU South of Fiji Islands.

(285) Sumbawa region

ISC	**III**	**20 03 36 52.2–.90**	**9.11S–.07**	**118.93E–.05**	**102**	**3.7b**	**20**	**1-69**
DJA	III	20 03 36 52.8–1.8	9S–5.0	119E–3.0	28–19	5.5b,5.0		**¶610543299**
IDC	III	20 03 36 54.6–7.0	8.94S	119.01E	122–60	3.6,3.3b		

ISC Event type ke.
IDC Error ellipse: s-maj=98.4km s-min=16.8km az=65.0.

(283) Bali region

ISC	**III**	**21 23 10 26.4–.23**	**8.54S–.03**	**115.25E–.03**	**133–1**	**5.4b**	**1589**	**0-174**
MOS	III	21 23 10 24.4–.92	8.37S	115.27E	123	5.4b,4.5s		**¶610415898**
NEIC	III	21 23 10 24.1	8.57S	115.34E	110	5.4b,4.5s		
NEIC	III	21 23 10 24.1	8.87S	115.34E	110	5.4b,4.5s		
NEIC	III	21 23 10 25.1–2.2	8.49S–.07	115.32E–.05	112–3	5.6,5.5b		
IDC	III	21 23 10 26.4–.47	8.39S	115.24E	127–3	5.4,5.0b		
DJA	III	21 23 10 26.8–.10	9S–2.0	115E–1.0	122–1	6.1,5.9b		
KLM	III	21 23 10 27	8.88S	115.23E	103	5.8b,5.9b		
GCMT	III	21 23 10 28.1–.10	8.75S–.01	115.27E–.01	130–0	5.7W,5.9b		

ISC Event type se. Moment Tensor Solution. NP1:φs229.91229°,δ34.88839°,λ133.51714°. NP2: φs0.73486°,δ65.49444°,λ64.35217°. Principal axes: T Plg60.8458°,Azm231.8132° ; N Plg23.1942°,Azm11.9983°; P Plg16.6618°,Azm109.3661° Moment Tensor Solution. NP1: φs23.15196°,δ67.23236°,λ127.34244°. NP2:φs140.04717°,δ42.85498°,λ34.67974°. Principal axes: T Plg52.3738°,Azm337.7844°; N Plg34.0084°,Azm186.7020°; P Plg14.1651° ,Azm86.8971°
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 3s2 Moment tensor: Scale 10^{17}Nm; Mrr2.97 Mθθ-0.36 Mφφ-2.61 Mrθ0.11 Mθφ0.58 Mφr1.00 NP1:φs352.43000°,δ54.44000° ,λ96.73000°. NP2:φs160.96000°,δ36.11000°,λ80.69000°. Principal axes: T 3.1585,Plg79.0000°,Azm289.0000°; N -0.2566,Plg5.0000°,Azm169.0000° ; P -2.9019,Plg9.0000°,Azm78.0000° M0 3.03000×10^{17}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s149,c261; s155,c326;Duration: 1s7 Moment tensor: Scale 10^{17}Nm; Mrr3.50±.04 Mθθ-0.20±.05; Mφφ-3.30±.05; Mrθ-1.46±.03; Mθφ-1.79±.04; Mφr1.38±.04; Best double couple: NP1:φs0.00000°,δ55.00000°,λ58.00000°. NP2:φs228.00000°,δ46.00000°,λ128.00000°. Principal axes: T 4.4850,Plg64.0000° ,Azm213.0000°; N -0.3030,Plg26.0000°,Azm20.0000°; P -4.1780,Plg5.0000°,Azm112.0000° M0 4.33100×10^{17}

(280) Banda Sea

ISC	**III**	**22 08 02 27.5–.36**	**6.79S–.03**	**129.80E–.04**	**152–3**	**5.0b**	**558**	**2-151**
BJI	III	22 08 02 24.1–.00	7.04S	130.19E	165	5.0b,4.9b		**¶610416142**
MOS	III	22 08 02 25.6–.91	6.75S	129.78E	143	5.0b,4.9b		
DJA	III	22 08 02 27.0–.10	7S–1.0	130E–1.0	149–2	5.6,5.5b		
NEIC	III	22 08 02 27.3–2.4	6.71S–.05	129.77E–.04	140–6	5.1b,5.5b		
IDC	III	22 08 02 28.7–1.1	6.78S	129.77E	157–9	4.9,4.5b		
GCMT	III	22 08 02 28.3–.30	6.82S–.02	129.82E–.03	139–4	5.0W,4.5b		

ISC Event type se. Moment Tensor Solution. NP1:φs336.01196°,δ37.68361°,λ162.77994°. NP2: φs79.79353°,δ79.57368°,λ53.57985°. Principal axes: T Plg43.4380°,Azm314.4725° ; N Plg35.7253°,Azm87.3988°; P Plg25.5715°,Azm197.5295°
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s17,c17; s78,c102;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr0.61±.13 Mθθ-2.52±.16; Mφφ1.91±.19; Mrθ0.41±.09; Mθφ1.93±.17; Mφr1.71±.10; Best double couple: NP1:φs332.00000°,δ72.00000°,λ155.00000°. NP2:φs70.00000°,δ66.00000°,λ20.00000°. Principal axes: T 3.6380,Plg30.0000° ,Azm289.0000°; N -0.3840,Plg60.0000°,Azm118.0000°; P -3.2570,Plg4.0000°,Azm22.0000° M0 3.44800×10^{16}

(163) Cook Strait

ISC	**III**	**23 07 51 51.5–.64**	**41.02S–.03**	**174.90E–.03**	**71–4**	**4.5b**	**259**	**0-152**
WEL	III	23 07 51 00	41.00S	174.92E	64	4.8L,4.3W		**¶610424553**
IDC	III	23 07 51 43.4–.84	40.85S	174.78E	0	4.9L,4.4		
NOU	III	23 07 51 49.9	41.06S	174.94E	76	4.9,4.4		
NEIC	III	23 07 51 51	40.98S	174.89E	63	4.9,4.4		
NEIC	III	23 07 51 51–2.3	40.97S–.05	174.86E–.06	60–4	4.6b,4.4		
WEL	III	23 07 51 51.4–.62	41S–6.0	175E–4.0	54–9	5.6b,5.1		

ISC Event type se. Moment Tensor Solution. NP1:φs196.01637°,δ70.75199°,λ161.20238°. NP2: φs292.41873°,δ72.28911°,λ20.24650°. Principal axes: T Plg26.6292°,Azm154.5049° ; N Plg63.3476°,Azm331.9333°; P Plg1.0309°,Azm63.9879°
WEL Moment Tensor Solution. s8 Moment tensor: Scale 10^{15}Nm; Mrr1.16 Mθθ1.58 Mφφ-2.74 Mrθ-1.69 Mθφ2.75 Mφr0.02 NP1:φs196.00000°,δ62.00000°,λ163.00000°. NP2:φs293.00000° ,δ75.00000°,λ29.00000°. Principal axes: T -418.3600,Plg31.0000°,Azm157.0000° ; N 379.9700,Plg58.0000°,Azm318.0000°; P 38.3800,Plg9.0000°,Azm62.0000° M0 3.99000×10^{15}
NOU Cook Strait, New Zealand.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; Mrr0.49 Mθθ2.37 Mφφ-2.87 Mrθ-2.07 Mθφ3.16 Mφr0.19 NP1:φs197.88000°,δ63.87000°,λ171.52000°. NP2:φs291.63000°,δ82.39000° ,λ26.38000°. Principal axes: T 4.6538,Plg24.0000°,Azm158.0000°; N -0.0649,Plg63.0000° ,Azm307.0000°; P -4.5889,Plg13.0000°,Azm62.0000° M0 4.62000×10^{15}
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

(238) Ryukyu Islands

ISC	**III**	**24 16 43 27.4–.24**	**26.85N–.03**	**127.28E–.03**	**85–1**	**5.5b**	**1789**	**0-176**
MOS	III	24 16 43 24.9–.92	26.92N	127.19E	75	5.8b,4.2s		**¶611832114**
BJI	III	24 16 43 24.3–.00	26.62N	127.43E	76	5.0b,4.8b		
NEIC	III	24 16 43 27	26.52N	127.77E	80	5.0b,4.8b		
NEIC	III	24 16 43 27	26.92N	127.21E	80	5.0b,4.8b		
NEIC	III	24 16 43 27.1–2.0	26.89N–.07	127.22E–.06	77–4	5.5b,5.2		
IDC	III	24 16 43 27.4–.46	26.96N	127.20E	82–4	5.2,4.9b		
NEIC	III	24 16 43 27.3	26.90N	127.20E	79	5.2,4.9b		
JMA	III	24 16 43 28.2–.24	27N–1.0	127.2E–.80	87–2	5.1W,5.1		
NIED	III	24 16 43 28.2	26.84N	127.20E	87	5.1W,5.1		
GCMT	III	24 16 43 29.1–.20	26.75N–.01	127.26E–.01	95–1	5.2W,5.1		
BGR	III	24 16 43 30.4	26.96N	127.14E	90	6.0b,5.1		

ISC Event type ke. Moment Tensor Solution. NP1:φs193.03023°,δ30.98903°,λ-119.51379°. NP2: φs46.46878°,δ63.38056°,λ-73.51781°. Principal axes: T Plg16.8191°,Azm124.3708° ; N Plg14.6932°,Azm218.9171°; P Plg67.3696°,Azm347.8936°
MOS Error ellipse: s-maj=5.7km s-min=3.5km az=117.5.
NEIC Event type se. Moment Tensor Solution.Duration: 1s8 Moment tensor: Scale 10^{16}Nm; Mrr-3.11 Mθθ-1.68 Mφφ4.79 Mrθ-2.82 Mθφ1.94 Mφr-0.22 NP1:φs48.21000°,δ63.04000° ,λ-45.09000°. NP2:φs162.66000°,δ50.86000°,λ-144.24000°. Principal axes: T 5.4444,Plg7.0000°,Azm108.0000°; N -0.0347,Plg39.0000°,Azm204.0000° ; P -5.4097,Plg50.0000°,Azm9.0000° M0 5.43000×10^{16}
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=8.1km az=163.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; Mrr-3.79 Mθθ-5.89 Mφφ9.67 Mrθ-3.08 Mθφ0.01 Mφr-1.21 NP1:φs38.66000°,δ69.58000°,λ-30.83000°. NP2:φs140.42000°,δ61.29000° ,λ-156.56000°. Principal axes: T 9.7877,Plg5.0000°,Azm91.0000°; N -1.6649,Plg54.0000° ,Azm188.0000°; P -8.1229,Plg36.0000°,Azm357.0000° M0 9.07000×10^{16}
IDC Error ellipse: s-maj=9.2km s-min=7.7km az=9.0.
NEIC Event type se.
JMA Event type fe. NW OFF OKINAWAJIMA IS .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; Mrr-1.94 Mθθ-2.44 Mφφ4.38 Mrθ-2.73 Mθφ0.19 Mφr-1.14 NP1:φs39.00000°,δ71.00000°,λ-42.00000°. NP2:φs145.00000° ,δ51.00000°,λ-155.00000°. M0 4.81000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s88,c120; s116,c197;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; Mrr-0.51±.01 Mθθ-0.26±.01; Mφφ0.77±.01; Mrθ-0.32±.01; Mθφ0.07±.01; Mφr-0.12±.01; Best double couple: NP1:φs33.00000°,δ60.00000°,λ-51.00000°. NP2:φs154.00000°,δ48.00000°,λ-137.00000°. Principal axes: T 0.7970,Plg7.0000° ,Azm96.0000°; N -0.0650,Plg33.0000°,Azm190.0000°; P -0.7320,Plg56.0000° ,Azm356.0000° M0 0.76500×10^{17}
BGR Event type ke.

(207) Eastern New Guinea region

ISC	**III**	**25 09 07 46.0–.25**	**5.18S–.03**	**145.44E–.04**	**91–1**	**5.4b**	**867**	**5-168**
BJI	III	25 09 07 42.0–.00	5.20S	145.93E	92	5.1b,5.1b		**¶610471021**
MOS	III	25 09 07 43.7–.65	5.13S	145.34E	84	5.3b,5.1b		

NEIC	III	25 09 07 44.9–1.6	5.13S–.07	145.39E–.08	73–4	5.5b,5.3		
NEIC	III	25 09 07 45.4	5.13S	145.39E	80	5.5b,5.3		
IDC	III	25 09 07 45.5–.48	5.17S	145.42E	85–4	5.3,4.9b		
NEIC	III	25 09 07 45.4	5.13S	145.39E	80	5.3,4.9b		
DJA	III	25 09 07 46.6–.30	5S–2.0	145E–2.0	89–3	6.0,5.8b		
GCMT	III	25 09 07 47.9–.10	5.16S–.01	145.36E–.01	94–1	5.3W,5.8b		
KLM	III	25 09 07 47	5.15S	145.43E	82	5.6b,5.8b		

ISC Event type se. Moment Tensor Solution. NP1:φs40.30242°,δ30.02454°,λ68.55658°. NP2: φs244.70357°,δ62.24222°,λ101.92989°. Principal axes: T Plg70.3127°,Azm180.4178° ; N Plg10.5403°,Azm59.0838°; P Plg16.4332°,Azm325.9378° Moment Tensor Solution. NP1: φs246.52799°,δ64.55210°,λ146.95607°. NP2:φs352.14435°,δ60.50309°,λ29.58274°. Principal axes: T Plg40.6925°,Azm207.9486°; N Plg49.1936°,Azm33.0810°; P Plg2.5405° ,Azm300.1352°

MOS Error ellipse: s-maj=9.1km s-min=5.0km az=106.6.

NEIC Event type se. Error ellipse: s-maj=11.2km s-min=10.2km az=65.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

NEIC Event type se. Moment Tensor Solution.Duration: 2s2 Moment tensor: Scale 10^{17}Nm; Mrr0.24 Mθθ-0.22 Mφφ-0.02 Mrθ-0.69 Mθφ-0.71 Mφr0.03 NP1:φs268.42000°,δ81.04000° ,λ134.06000°. NP2:φs7.56000°,δ44.78000°,λ12.77000°. Principal axes: T 0.9777,Plg38.0000°,Azm217.0000°; N 0.0768,Plg43.0000°,Azm80.0000° ; P -1.0545,Plg23.0000°,Azm326.0000° M0 1.02000$\times10^{17}$

IDC Error ellipse: s-maj=12.6km s-min=7.3km az=74.0.

NEIC Event type se.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s102,c165; s136,c242;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; Mrr0.34±.02 Mθθ-0.30±.02; Mφφ-0.03±.02; Mrθ-0.77±.01; Mθφ-0.68±.01; Mφr-0.07±.01; Best double couple: NP1:φs265.00000°,δ79.00000°,λ126.00000°. NP2:φs10.00000°,δ38.00000°,λ19.00000°. Principal axes: T 0.9730,Plg44.0000° ,Azm211.0000°; N 0.1810,Plg35.0000°,Azm77.0000°; P -1.1530,Plg25.0000°,Azm327.0000° M0 1.06300$\times10^{16}$

(280) Banda Sea

ISC	**III**	**26 19 14 37.2–.39**	**7.02S–.03**	**129.85E–.04**	**140–3**	**5.0b**	**630**	**2-157**
BJI	III	26 19 14 33.2–.00	7.38S	130.02E	146	5.0b,4.9b		**¶610435179**
KLM	III	26 19 14 34	6.95S	130.23E	114	5.5b,4.9b		
MOS	III	26 19 14 35.9–.80	6.95S	129.78E	132	4.9b,4.9b		
NEIC	III	26 19 14 36.3–2.3	7.02S–.06	129.80E–.07	122–5	5.1b,4.9b		
DJA	III	26 19 14 36.7–.20	7S–2.0	130E–2.0	137–2	5.6,5.5b		
IDC	III	26 19 14 38.3–1.2	6.98S	129.80E	142–9	5.0,4.6b		
GCMT	III	26 19 14 38.3–.30	7.04S–.02	129.85E–.02	143–2	4.9W,4.6b		

ISC Event type se. Moment Tensor Solution. NP1:φs290.22986°,δ59.82572°,λ132.90288°. NP2: φs48.63624°,δ50.70938°,λ40.49957°. Principal axes: T Plg53.4361°,Azm254.1353° ; N Plg36.0517°,Azm85.1916°; P Plg5.2996°,Azm351.3199°

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

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s25,c31; s99,c142;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr1.32±.09 Mθθ-2.84±.10; Mφφ1.52±.12; Mrθ-0.67±.07; Mθφ0.70±.11; Mφr1.62±.07; Best double couple: NP1:φs315.00000°,δ71.00000°,λ137.00000°. NP2:φs62.00000°,δ50.00000°,λ25.00000°. Principal axes: T 3.0440,Plg43.0000° ,Azm271.0000°; N 0.1150,Plg44.0000°,Azm116.0000°; P -3.1580,Plg13.0000°,Azm13.0000° M0 3.10100$\times10^{16}$

(263) Talaud Islands

ISC	**III**	**29 03 30 26.8–.27**	**2.78N–.03**	**125.95E–.04**	**123–2**	**5.3b**	**1116**	**1-172**
BJI	III	29 03 30 21.3–.00	2.34N	126.12E	122	5.2b,5.1b		**¶611832164**
MAN	III	29 03 30 23.4	2.64N	126.00E	109	6.0b,5.6s		
MOS	III	29 03 30 25.6–.92	2.80N	125.94E	128	5.4b,5.6s		
IDC	III	29 03 30 25.1–1.1	2.77N	125.88E	107–9	5.3,4.9b		
KLM	III	29 03 30 25	3.01N	126.33E	116	5.5b,4.9b		
NEIC	III	29 03 30 26.7	2.80N	125.98E	120	5.5b,4.9b		
NEIC	III	29 03 30 26.7	2.90N	126.08E	120	5.5b,4.9b		
DJA	III	29 03 30 26.2–.20	3N–2.0	126E–1.0	116–1	5.8b,5.7		
NEIC	III	29 03 30 26.4–1.5	2.79N–.06	125.98E–.06	112–4	5.3b,5.2		
GCMT	III	29 03 30 27.4–.20	2.84N–.01	126.01E–.01	118–1	5.2W,5.2		

ISC Event type se. Moment Tensor Solution. NP1:φs338.84018°,δ43.72943°,λ-99.91522°. NP2: φs172.43893°,δ47.08373°,λ-80.64632°. Principal axes: T Plg1.6890°,Azm255.8368° ; N Plg6.8360°,Azm346.0393°; P Plg82.9565°,Azm152.0294°

NEIC Event type se.

NEIC Event type se. Moment Tensor Solution.Duration: 1s1.0 Moment tensor: Scale 10^{16}Nm; Mrr-1.87 Mθθ-0.84 Mφφ2.71 Mrθ-1.12 Mθφ-1.19 Mφr6.46 NP1:φs170.41000°,δ79.84000° ,λ-85.70000°. NP2:φs327.32000°,δ11.03000°,λ-112.71000°. Principal axes: T 7.5811,Plg35.0000°,Azm257.0000°; N -1.1414,Plg4.0000°,Azm350.0000° ; P -6.4398,Plg55.0000°,Azm86.0000° M0 7.01000$\times10^{16}$

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

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s82,c106; s87,c137;Duration: 1s0 Moment tensor: Scale 10^{16}Nm; Mrr-2.14±.24 Mθθ-0.91±.28; Mφφ3.05±.30; Mrθ-0.31±.17; Mθφ-3.62±.26; Mφr8.02±.18; Best double couple: NP1:φs179.00000°,δ81.00000°,λ-68.00000°. NP2:φs289.00000°,δ24.00000°,λ-158.00000°. Principal axes: T 9.8030,Plg33.0000° ,Azm250.0000°; N -1.3270,Plg22.0000°,Azm355.0000°; P -8.4790,Plg49.0000° ,Azm113.0000° M0 9.14100$\times10^{16}$

(186) Vanuatu Islands

ISC	**III**	**29 23 56 38.7–.25**	**19.41S–.03**	**168.94E–.03**	**64–1**	**5.6b**	**1378**	**2-166**
BGR	III	29 23 56 32.3	19.85S	170.77E	69–0	5.6b		**¶610471039**
MOS	III	29 23 56 36.9–.98	19.28S	168.87E	55	5.7b		
BJI	III	29 23 56 37.0–.00	19.40S	168.90E	60	5.2b,5.2b		
NEIC	III	29 23 56 38.5	19.37S	168.69E	60	5.2b,5.2b		
IDC	III	29 23 56 39.0–.52	19.29S	168.90E	62–4	5.4,5.1b		
NEIC	III	29 23 56 38.2–1.8	19.36S–.07	168.90E–.08	50–4	5.7b,5.4		
NEIC	III	29 23 56 38.5	19.37S	168.90E	60	5.7b,5.4		
NOU	III	29 23 56 40.6	19.32S	168.79E	63	5.5L,5.4		
GCMT	III	29 23 56 42.2–.10	19.30S–.01	168.76E–.01	65–1	5.3W,5.4		

ISC Event type ke. Moment Tensor Solution. NP1:φs289.66840°,δ84.68887°,λ85.41016°. NP2: φs150.60309°,δ7.01530°,λ130.72168°. Principal axes: T Plg50.1090°,Azm194.6066° ; N Plg4.5701°,Azm290.0941°; P Plg39.5210°,Azm23.8750°

BGR Event type ke.

NEIC Event type se. Moment Tensor Solution.Duration: 2s7 Moment tensor: Scale 10^{17}Nm; Mrr0.35 Mθθ-0.44 Mφφ0.09 Mrθ-1.24 Mθφ-0.16 Mφr0.66 NP1:φs294.90000°,δ84.06000° ,λ102.35000°. NP2:φs50.18000°,δ13.69000°,λ25.92000°. Principal axes: T 1.5270,Plg49.0000°,Azm218.0000°; N -0.1342,Plg12.0000°,Azm114.0000° ; P -1.3927,Plg38.0000°,Azm14.0000° M0 1.46000$\times10^{17}$

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

NEIC Event type se.

NOU Vanuatu Islands.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s123,c206; s156,c257;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; Mrr0.36±.02 Mθθ-0.26±.02; Mφφ-0.09±.02; Mrθ-1.21±.02; Mθφ-0.11±.02; Mφr0.51±.01; Best double couple: NP1:φs291.00000°,δ84.00000°,λ96.00000°. NP2:φs64.00000°,δ8.00000°,λ44.00000°. Principal axes: T 1.4410,Plg50.0000° ,Azm207.0000°; N -0.1940,Plg6.0000°,Azm110.0000°; P -1.2470,Plg39.0000°,Azm15.0000° M0 1.34400$\times10^{17}$

(192) New Britain region

ISC	**III**	**31 04 35 09.5–.44**	**5.56S–.03**	**151.83E–.04**	**62–3**	**5.0b**	**620**	**1-157**
BJI	III	31 04 35 05.7–.00	5.40S	152.19E	52	5.1b,4.9b		**¶610460792**
MOS	III	31 04 35 07.3–1.1	5.43S	151.72E	49	5.3b,4.4s		
IDC	III	31 04 35 08.8–1.7	5.50S	151.83E	52–15	4.9,4.6b		
NEIC	III	31 04 35 08.0–1.9	5.52S–.07	151.85E–.09	44–5	5.1b,4.6b		
DJA	III	31 04 35 10.4–.30	6S–2.0	152E–3.0	82–4	5.6,5.6b		
GCMT	III	31 04 35 10.0–.20	5.72S–.02	151.93E–.02	27–0	5.1W,5.6b		

ISC Event type se.

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

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s61,c79; s79,c115;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr4.13±.22 Mθθ-4.45±.14; Mφφ0.31±.14; Mrθ2.85±.24; Mθφ-1.39±.12; Mφr0.58±.27; Best double couple: NP1:φs77.00000°,δ62.00000°,λ92.00000°. NP2:φs252.00000°,δ29.00000°,λ86.00000°. Principal axes: T 4.9960,Plg73.0000° ,Azm353.0000°; N 0.6870,Plg2.0000°,Azm256.0000°; P -5.6850,Plg16.0000°,Azm165.0000° M0 5.34100$\times10^{16}$

(265) Minahassa Peninsula, Sulawesi

ISC	**III**	**31 11 20 60.0–.20**	**0.24N–.02**	**120.62E–.03**	**99–1**	**5.5b**	**1743**	**1-177**
MOS	III	31 11 20 59.4–.81	0.33N	120.66E	104	5.6b,4.3s		**¶610465780**
BJI	III	31 11 21 00.3–.00	0.44N	120.59E	90	5.2b,5.2b		
DJA	III	31 11 21 00.1–.10	0N–1.0	121E–1.0	98–2	6.0,5.9b		
NEIC	III	31 11 21 00.5	0.30N	120.60E	90	6.0,5.9b		
NEIC	III	31 11 21 00.5	0.30N	120.60E	90	6.0,5.9b		
KLM	III	31 11 21 00	0.35N	120.54E	10	5.8b,5.9b		
NEIC	III	31 11 21 00.5	0.30N	120.60E	87	5.8b,5.9b		
IDC	III	31 11 21 00.4–.59	0.22N	120.57E	103–4	5.4,5.0b		
GCMT	III	31 11 21 01.0–.10	0.37N–.01	120.59E–.01	102–0	5.5W,5.0b		
NEIC	III	31 11 21 01.0–2.2	0.31N–.06	120.58E–.06	94–1	5.6,5.6b		

ISC Event type se. Moment Tensor Solution. NP1:φs345.79382°,δ36.53993°,λ95.12398°. NP2: φs159.42558°,δ53.62956°,λ86.21351°. Principal axes: T Plg80.9081°,Azm52.2373° ; N Plg3.0481°,Azm161.6731°; P Plg8.5575°,Azm252.1322°

NEIC Event type se.

NEIC Event type se. Moment Tensor Solution.Duration: 3s1 Moment tensor: Scale 10^{17}Nm; Mrr2.27 Mθθ-0.56 Mφφ-1.70 Mrθ-0.66 Mθφ1.07 Mφr-1.06 NP1:φs170.89000°,δ56.27000° ,λ116.16000°. NP2:φs309.40000°,δ41.71000°,λ56.56000°. Principal axes: T 2.7867,Plg67.0000°,Azm134.0000°; N -0.3640,Plg22.0000°,Azm336.0000° ; P -2.4226,Plg8.0000°,Azm243.0000° M0 2.60000$\times10^{17}$

NEIC Event type se.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s141,c234; s154,c290;Duration: 1s4 Moment tensor: Scale 10^{17}Nm; Mrr2.18±.03 Mθθ-0.89±.03; Mφφ-1.29±.04; Mrθ-0.62±.02; Mθφ0.92±.03; Mφr-1.18±.03; Best double couple: NP1:φs165.00000°,δ57.00000°,λ116.00000°. NP2:φs303.00000°,δ41.00000°,λ56.00000°. Principal axes: T 2.7550,Plg66.0000° ,Azm126.0000°; N -0.6400,Plg22.0000°,Azm330.0000°; P -2.1110,Plg9.0000° ,Azm237.0000° M0 2.43300$\times10^{17}$

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; Mrr2.27 Mθθ-0.93 Mφφ-1.34 Mrθ-0.05 Mθφ1.02 Mφr-1.50 NP1:φs160.33000°,δ61.46000°,λ108.36000°. NP2:φs305.54000° ,δ33.51000°,λ59.92000°. Principal axes: T 2.8555,Plg68.0000°,Azm107.0000° ; N -0.3880,Plg16.0000°,Azm331.0000°; P -2.4675,Plg15.0000°,Azm237.0000° M0 2.68000$\times10^{17}$

(274) Southern Sumatera

ISC	**IV**	**02 13 55 14.2–.28**	**3.08S–.03**	**101.53E–.03**	**66–2**	**5.1b**	**1099**	**1-156**
BJI	IV	02 13 55 09.4–.00	3.55S	101.30E	65	4.9b,4.8b		**¶614428719**
KLM	IV	02 13 55 10	3.47S	101.50E	10	5.3b,4.8b		
MOS	IV	02 13 55 13.0–1.1	2.91S	101.59E	61	5.4b,4.8b		
DJA	IV	02 13 55 13.7–.10	3S–1.0	101E–1.0	55	5.6,5.6b		
NEIC	IV	02 13 55 14.7–1.9	3.04S–.07	101.54E–.06	57–4	5.3b,5.6b		
GCMT	IV	02 13 55 15.7–.30	3.12S–.02	101.39E–.02	17–0	5.2W,5.6b		
IDC	IV	02 13 55 17.3–1.0	3.00S	101.63E	86–8	5.0,4.7b		

ISC Event type se. Moment Tensor Solution. NP1:φs157.35513°,δ11.94688°,λ-114.26618°. NP2: φs2.09480°,δ79.12220°,λ-85.03021°. Principal axes: T Plg33.9417°,Azm87.8603° ; N Plg4.8803°,Azm181.1546°; P Plg55.6121°,Azm278.3213°

MOS Error ellipse: s-maj=7.3km s-min=3.7km az=120.5.

NEIC Event type se. Error ellipse: s-maj=10.6km s-min=7.8km az=221.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s34,c43; s80,c111;Duration: 1s0 Moment tensor: Scale 10^{16}Nm; Mrr-0.26±.10 Mθθ0.16±.08; Mφφ0.09±.08; Mrθ2.06±.24; Mθφ0.45±.06; Mφr-7.47±.54; Best double couple: NP1:φs345.00000°,δ90.00000°,λ-93.00000°. NP2:φs250.00000°,δ3.00000°,λ-5.00000°. Principal axes: T 7.5650,Plg45.0000° ,Azm78.0000°; N 0.3850,Plg3.0000°,Azm345.0000°; P -7.9510,Plg45.0000°,Azm252.0000° M0 7.75800$\times10^{16}$

IDC Error ellipse: s-maj=8.4km s-min=6.1km az=41.0.

(186) Vanuatu Islands

ISC	**IV**	**05 22 17 42.8–.19**	**19.01S–.03**	**169.55E–.03**	**258–1**	**5.5b**	**1880**	**3-173**
BJI	IV	05 22 17 40.3–.00	18.63S	169.74E	239	5.4b,5.4b		**¶610505787**
MOS	IV	05 22 17 42.2–.83	19.01S	169.54E	259	5.7b,5.4b		
NEIC	IV	05 22 17 42.7	18.99S	169.57E	248	5.7b,5.4b		
IDC	IV	05 22 17 43.0–.39	19.04S	169.55E	257–3	5.7,5.1b		
NEIC	IV	05 22 17 43.4–1.7	19.02S–.08	169.58E–.07	253–1	5.7,5.6b		
NEIC	IV	05 22 17 43.4	18.98S	169.56E	250	5.7,5.6b		
NEIC	IV	05 22 17 43.4	18.88S	169.34E	250	5.7,5.6b		
NOU	IV	05 22 17 44.3	18.97S	169.50E	257	5.1L,5.6b		
GCMT	IV	05 22 17 46.4–.10	19.02S–.01	169.39E–.01	266–0	5.7W,5.6b		

ISC Event type se. Moment Tensor Solution. NP1:φs217.82437°,δ29.90238°,λ24.73816°. NP2: φs106.05171°,δ77.95861°,λ117.57831°. Principal axes: T Plg49.5074°,Azm46.3259° ; N Plg26.9218°,Azm279.8332°; P Plg27.7399°,Azm174.3440°

NEIC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; Mrr3.42 Mθθ-2.91 Mφφ-0.52 Mrθ1.59 Mθφ-1.67 Mφr-1.88 NP1:φs89.51000°,δ56.32000°,λ124.37000°. NP2:φs218.55000° ,δ46.62000°,λ49.73000°. Principal axes: T 4.7575,Plg61.0000°,Azm56.0000° ; N -0.9417,Plg28.0000°,Azm249.0000°; P -3.8158,Plg5.0000°,Azm156.0000° M0 4.36000$\times10^{17}$

NEIC Event type se.

NEIC Event type se. Moment Tensor Solution.Duration: 3s4 Moment tensor: Scale 10^{17}Nm; Mrr1.65 Mθθ-1.98 Mφφ0.33 Mrθ1.20 Mθφ-1.96 Mφr-1.52 NP1:φs95.16000°,δ62.46000° ,λ140.41000°. NP2:φs206.08000°,δ55.60000°,λ34.08000°. Principal axes: T 3.4762,Plg47.0000°,Azm58.0000°; N -0.3559,Plg43.0000°,Azm246.0000° ; P -3.1203,Plg4.0000°,Azm152.0000° M0 3.30000$\times10^{17}$

NOU Vanuatu Islands.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s145,c257; s162,c308;Duration: 1s6 Moment tensor: Scale 10^{17}Nm; Mrr2.58±.03 Mθθ-2.55±.04; Mφφ-0.03±.04; Mrθ1.63±.04; Mθφ-1.65±.04; Mφr-1.62±.03; Best double couple: NP1:φs94.00000°,δ61.00000°,λ128.00000°. NP2:φs216.00000°,δ46.00000°,λ42.00000°. Principal axes: T 4.0860,Plg56.0000° ,Azm55.0000°; N -0.6130,Plg32.0000°,Azm253.0000°; P -3.4780,Plg9.0000°,Azm158.0000° M0 3.78200$\times10^{17}$

(221) Kuril Islands

ISC	**IV**	**07 14 01 38.7–.38**	**44.97N–.04**	**147.39E–.04**	**133–3**	**4.5b**	**737**	**0-153**
BJI	IV	07 14 01 37.3–.00	45.04N	147.49E	143	5.0b,4.9b		**¶610518544**
MOS	IV	07 14 01 38.0–1.0	44.98N	147.36E	139	4.6b,4.9b		
NIED	IV	07 14 01 38.3	44.79N	147.57E	139	4.6W,4.9b		
JMA	IV	07 14 01 38.3–.49	45N–2.0	148E–3.0	139	4.4,4.9b		
IDC	IV	07 14 01 38.9–.46	45.12N	147.21E	128–3	4.6,4.1b		
SKHL	IV	07 14 01 38.2–.00	44.80N	147.60E	136–5	6.1,5.7b		
NEIC	IV	07 14 01 40.6–1.7	45.16N–.08	147.2E–.10	138–6	4.5b,5.7b		
BGR	IV	07 14 01 58.3	47.89N	145.89E	130	4.6b,5.7b		

ISC Event type ke.

MOS Event type fe. Error ellipse: s-maj=6.4km s-min=4.4km az=100.6. Felt (II-III) at Malokuril'skoye. Moment Tensor Solution.

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; Mrr1.65 Mθθ0.23 Mφφ-1.88 Mrθ-5.28 Mθφ-0.49 Mφr-6.92 NP1:φs217.00000°,δ85.00000°,λ96.00000°. NP2:φs350.00000° ,δ8.00000°,λ43.00000°. M0 8.90000$\times10^{15}$

JMA Event type ke. NEAR ETOROFU ISLAND .

IDC Error ellipse: s-maj=10.1km s-min=7.0km az=150.0.

NEIC Event type se. Error ellipse: s-maj=13.0km s-min=10.2km az=121.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

BGR Event type ke.

(272) Seram

ISC	**IV**	**08 00 52 29.8–.91**	**3.99S–.08**	**128.69E–.06**	**150**		**18**	**1-65**
IDC	IV	08 00 52 16.3–3.0	4.17S	127.58E	0	3.6L,3.5		**¶610652192**
DJA	IV	08 00 52 31.1–.40	4S–3.0	129E–3.0	117–4	6.5b,6.2		

ISC Event type ke.

(207) Eastern New Guinea region

ISC	**IV**	**08 12 23 16.8–.34**	**5.60S–.05**	**147.05E–.06**	**150**	**4.6b**	**188**	**4-154**
BJI	IV	08 12 23 13.8–.00	5.52S	147.32E	146	4.9b,4.8b		**¶610523722**
DJA	IV	08 12 23 15.5–.30	5S–3.0	147E–3.0	139–3	5.5b,5.4		
IDC	IV	08 12 23 15.2–1.2	5.61S	147.08E	137–12	4.8,4.3b		
NEIC	IV	08 12 23 18.2–1.6	5.60S–.08	147.1E–.10	159–7	4.6b,4.3b		

ISC Event type se.

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

(248) Philippine Islands region

ISC IV 10 10 38 53.7–.28 5.72N–.03 127.21E–.03 63–1 5.5b 1166 2-167
MAN IV 10 10 38 45.7 5.53N 127.51E 15 6.1b,5.7s **¶610524858**
NEIC IV 10 10 38 47.9–1.9 5.68N–.06 127.20E–.07 13–1 5.8,5.8
NEIC IV 10 10 38 48.8 5.53N 127.46E 24 5.8,5.8
NEIC IV 10 10 38 48.8 5.73N 127.25E 24 5.8,5.8
MOS IV 10 10 38 49.4–1.0 5.82N 127.13E 39 5.9b,5.5s
BJI IV 10 10 38 50.6–.00 5.72N 127.37E 64 5.8s,5.7
IDC IV 10 10 38 50.8–1.1 5.75N 127.16E 38–8 5.5s,5.1
GCMT IV 10 10 38 51.9–.10 5.62N–.01 127.40E–.01 30–0 5.9W,5.1
KLM IV 10 10 38 52 5.79N 127.53E 65 5.8b,5.1
NEIC IV 10 10 38 52 5.72N 127.24E 39 5.8b,5.1
DJA IV 10 10 38 53.8–.30 6N–2.0 127E–2.0 70–2 6.0b,6.0
ISC Event type se. Moment Tensor Solution. NP1:φs138.71100°,δ40.71837°,λ65.86037°. NP2: φs349.30631°,δ53.46632°,λ109.39160°. Principal axes: T Plg73.1114°,Azm313.2213° ; N Plg15.4729°,Azm157.4719°; P Plg6.6034°,Azm65.6355° Moment Tensor Solution. NP1: φs40.79001°,δ74.52291°,λ94.17838°. NP2:φs205.47936°,δ16.01787°,λ75.25739°. Principal axes: T Plg60.2672°,Azm316.7528°; N Plg4.0266°,Azm219.6732°; P Plg29.4037° ,Azm127.3996°
MAN Event type fe. INTENSITY I - ALABEL SARANGANI; INTENSITY II - GOVERNOR GENEROSO AND TARRAGONA DAVAO ORIENTAL.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; Mrr4.75 Mθθ0.07 Mφφ-4.82 Mrθ1.47 Mθφ0.03 Mφr3.49 NP1:φs166.95000°,δ28.17000°,λ66.27000°. NP2:φs13.46000°,δ64.39000° ,λ102.16000°. Principal axes: T 6.2086,Plg68.0000°,Azm307.0000°; N -0.2206,Plg11.0000° ,Azm188.0000°; P -5.9881,Plg19.0000°,Azm94.0000° M0 6.10000×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 4s3 Moment tensor: Scale 10^{17}Nm; Mrr5.39 Mθθ0.97 Mφφ-6.36 Mrθ2.04 Mθφ0.43 Mφr3.47 NP1:φs15.68000°,δ62.73000° ,λ110.29000°. NP2:φs156.77000°,δ33.52000°,λ56.06000°. Principal axes: T 7.0516,Plg66.0000°,Azm323.0000°; N 0.2604,Plg18.0000°,Azm186.0000° ; P -7.3120,Plg15.0000°,Azm91.0000° M0 7.18000×10^{17}
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s154,c321; s161,c472; Duration: 2s2 Moment tensor: Scale 10^{18}Nm; Mrr0.68±.01 Mθθ0.12±.01; Mφφ-0.80±.01; Mrθ0.21±.01; Mθφ-0.06±.00; Mφr0.42±.01; Best double couple: NP1:φs17.00000°,δ62.00000° ,λ104.00000°. NP2:φs169.00000°,δ31.00000°,λ65.00000°. Principal axes: T 0.8390,Plg70.0000°,Azm317.0000°; N 0.0870,Plg13.0000°,Azm190.0000° ; P -0.9260,Plg15.0000°,Azm96.0000° M0 0.88200×10^{18}
NEIC Event type se.

(123) Northern Chile

ISC IV 14 18 03 24.4–.24 22.52S–.03 68.66W–.04 108–1 5.2b 898 0-170
NEIC IV 14 18 03 23.8–1.8 22.51S–.04 68.66W–.07 106–4 5.3b,5.3 **¶610528136**
VAO IV 14 18 03 23.7–.26 22.43S 68.68W 108 5.7b,5.3
SJA IV 14 18 03 24.3–1.2 22.50S 68.86W 121–8 5.0W,5.0L
GUC IV 14 18 03 24.9–.67 22.49S 68.82W 122–4 5.2L,5.0L
MOS IV 14 18 03 24.2–1.4 22.66S 68.62W 107 5.2b,5.0L
NEIC IV 14 18 03 25 22.50S 68.79W 118 5.2b,5.0L
NEIC IV 14 18 03 25 22.50S 68.79W 118 5.2b,5.0L
NEIC IV 14 18 03 25 22.50S 68.79W 120 5.2b,5.0L
IDC IV 14 18 03 25.5–.39 22.49S 68.58W 107–3 5.0,4.6b
BJI IV 14 18 03 26.5–.00 22.60S 68.80W 110 5.2b,4.6b
GCMT IV 14 18 03 29.7–.20 22.54S–.01 68.84W–.01 134–1 5.3W,4.6b
ISC Event type se. Moment Tensor Solution. NP1:φs331.23187°,δ86.98927°,λ-117.53945°. NP2: φs235.48007°,δ27.69073°,λ-6.48977°. Principal axes: T Plg36.0848°,Azm85.0949° ; N Plg27.4982°,Azm332.8007°; P Plg41.5490°,Azm215.3285°
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; Mrr-1.60 Mθθ-3.05 Mφφ4.65 Mrθ3.30 Mθφ-0.26 Mφr-6.59 NP1:φs329.91000°,δ82.10000°,λ-112.08000°. NP2:φs221.20000° ,δ23.38000°,λ-20.26000°. Principal axes: T 9.1587,Plg33.0000°,Azm78.0000° ; N -1.6976,Plg22.0000°,Azm333.0000°; P -7.4611,Plg48.0000°,Azm216.0000° M0 8.44000×10^{16}
NEIC Event type se.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2s3 Moment tensor: Scale 10^{17}Nm; Mrr-0.39 Mθθ-0.32 Mφφ0.71 Mrθ0.43 Mθφ0.07 Mφr-0.75 NP1:φs333.77000°,δ77.32000° ,λ-115.11000°. NP2:φs218.67000°,δ27.94000°,λ-27.93000°. Principal axes: T 1.1038,Plg28.0000°,Azm84.0000°; N -0.0816,Plg24.0000°,Azm340.0000° ; P -1.0221,Plg51.0000°,Azm215.0000° M0 1.06000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s91,c135; s129,c222;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; Mrr-0.43±.02 Mθθ-0.06±.02; Mφφ0.49±.03; Mrθ0.45±.01; Mθφ0.06±.02; Mφr-0.92±.02; Best double couple: NP1:φs338.00000°,δ79.00000°,λ-102.00000°. NP2:φs207.00000°,δ16.00000°,λ-42.00000°. Principal axes: T 1.0910,Plg33.0000° ,Azm78.0000°; N 0.0710,Plg12.0000°,Azm340.0000°; P -1.1620,Plg54.0000°,Azm233.0000° M0 1.12700×10^{17}

(263) Talaud Islands

ISC IV 15 03 34 37.0–.50 2.46N–.05 125.43E–.08 200 4.1b 57 1-122
IDC IV 15 03 34 35.0–6.4 2.58N 125.45E 168–59 4.1,3.7b **¶610652772**
NEIC IV 15 03 34 35.4–1.2 2.6N–.10 125.39E–.09 180–8 4.2b,3.7b
DJA IV 15 03 34 37.3–.50 2N–3.0 125E–2.0 165–5 5.5b,5.0
MAN IV 15 03 34 38.7 2.70N 125.40E 196 4.6b,3.4L
ISC Event type se.
IDC Error ellipse: s-maj=72.9km s-min=14.6km az=63.0.
NEIC Event type se. Error ellipse: s-maj=15.9km s-min=12.9km az=200.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(127) Chile-Argentina border region

ISC IV 15 08 19 42.9–.21 23.23S–.02 67.68W–.03 151–1 6.1b 2842 1-179
BJI IV 15 08 19 41.5–.00 23.28S 67.65W 140 5.9b **¶611832316**
NEIC IV 15 08 19 41 23.26S 67.64W 131 5.9b
SJA IV 15 08 19 41.1–1.2 23.31S 67.89W 170–10 6.2L,5.9W
MOS IV 15 08 19 41.8–1.0 23.11S 67.66W 142 6.2b,5.4s
GUC IV 15 08 19 43.6–.86 23.21S 68.07W 158–8 6.2L,5.4s
NEIC IV 15 08 19 43.4–2.3 23.27S–.05 67.72W–.07 155–1 5.3,6.2
IDC IV 15 08 19 43.2–.36 23.15S 67.70W 148–2 6.0,5.6b
NEIC IV 15 08 19 43.4 23.27S 67.77W 160 6.0,5.6b
NEIC IV 15 08 19 43.4 23.27S 67.88W 160 6.0,5.6b
VAO IV 15 08 19 43.6–.20 23.17S 67.54W 153 6.3b,5.6b
GCMT IV 15 08 19 47.4–.10 23.20S 67.92W 164–0 6.3W,5.6b
BGR IV 15 08 20 13.0 18.15S 63.97W 151–1 5.7b,5.6b
ISC Event type ke. Moment Tensor Solution. NP1:φs145.73462°,δ28.92651°,λ-126.64594°. NP2: φs6.09746°,δ67.16483°,λ-71.74490°. Principal axes: T Plg20.1497°,Azm82.4504° ; N Plg16.7800°,Azm178.8028°; P Plg63.2914°,Azm305.6236°
NEIC Event type se.
SJA Error ellipse: s-maj=3.9km s-min=6.5km az=-1.0.
MOS Error ellipse: s-maj=9.3km s-min=6.4km az=99.3.
GUC Error ellipse: s-maj=5.9km s-min=6.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=9.1km az=266.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; Mrr-0.30 Mθθ-0.44 Mφφ0.74 Mrθ0.26 Mθφ-0.42 Mφr-2.85 NP1:φs355.92000°,δ84.65000°,λ-83.66000°. NP2:φs125.89000°,δ8.29000° ,λ-139.74000°. Principal axes: T 3.1774,Plg39.0000°,Azm80.0000°; N -0.5012,Plg6.0000° ,Azm175.0000°; P -2.6762,Plg50.0000°,Azm273.0000° M0 2.96000×10^{18}
IDC Error ellipse: s-maj=7.7km s-min=6.9km az=37.0.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 7s1 Moment tensor: Scale 10^{18}Nm; Mrr-1.17 Mθθ-0.21 Mφφ1.37 Mrθ0.38 Mθφ-0.75 Mφr-2.96 NP1:φs352.29000°,δ77.85000° ,λ-81.21000°. NP2:φs135.99000°,δ14.96000°,λ-125.36000°. Principal axes: T 3.5141,Plg32.0000°,Azm75.0000°; N -0.3909,Plg9.0000°,Azm170.0000° ; P -3.1232,Plg56.0000°,Azm274.0000° M0 3.32000×10^{18}
VAO Error ellipse: s-maj=2.2km s-min=2.3km az=-1.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s169,c416; s170,c625; Duration: 3s3 Moment tensor: Scale 10^{18}Nm; Mrr-0.95±.01 Mθθ-0.44±.02; Mφφ1.40±.02; Mrθ0.43±.01; Mθφ-1.02±.02; Mφr-2.77±.01; Best double couple: NP1:φs353.00000°,δ78.00000° ,λ-77.00000°. NP2:φs124.00000°,δ18.00000°,λ-137.00000°. Principal axes: T 3.5300,Plg32.0000°,Azm72.0000°; N -0.7220,Plg13.0000°,Azm170.0000° ; P -2.8070,Plg55.0000°,Azm280.0000° M0 3.16800×10^{18}
BGR Event type ke.

(263) Talaud Islands

ISC IV 20 09 26 10.5–.92 2.96N–.06 125.99E–.07 100 3.4b 17 1-62
IDC IV 20 09 25 58.4–1.5 3.04N 125.91E 0 3.7,3.6b **¶610653107**
DJA IV 20 09 26 12.9–.70 3N–5.0 126E–3.0 58–22 6.0b,5.6
ISC Event type ke.

(130) Catamarca Province

ISC IV 20 21 24 29.2–.31 27.52S–.03 67.34W–.03 141–2 5.1b 1361 1-173
BJI IV 20 21 24 27.0–.00 27.60S 67.20W 115 5.6b **¶610546557**
NEIC IV 20 21 24 27.3 27.52S 67.22W 120 5.6b
MOS IV 20 21 24 27.4–1.3 27.48S 67.33W 131 5.0b
NEIC IV 20 21 24 27.3–1.4 27.52S–.05 67.21W–.07 119–4 5.1,5.1b
SJA IV 20 21 24 28.5–.57 27.58S 67.38W 153–2 5.0W,5.0L
IDC IV 20 21 24 29.0–.53 27.56S 67.22W 137–4 4.9,4.5b
VAO IV 20 21 24 30.0–.60 27.46S 67.17W 144–4 5.2b,4.5b
GUC IV 20 21 24 30.5–.63 27.56S 67.62W 144–5 5.3L,4.5b
GCMT IV 20 21 24 34.3–.20 27.54S–.01 67.43W–.01 160–1 5.3W,4.5b
ISC Event type se. Moment Tensor Solution. NP1:φs112.11329°,δ45.01597°,λ-162.88640°. NP2: φs9.83395°,δ77.98684°,λ-46.28098°. Principal axes: T Plg20.6517°,Azm68.3502° ; N Plg42.5308°,Azm178.5774°; P Plg40.3184°,Azm319.6965° Moment Tensor Solution. NP1:φs340.55353°,δ69.70419°,λ-88.60015°. NP2:φs156.52370°,δ20.34199°,λ-93.77927°. Principal axes: T Plg24.6917°,Azm69.4641°; N Plg1.3129°,Azm160.0679°; P Plg65.2687° ,Azm252.9200°
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; Mrr-1.66 Mθθ-0.69 Mφφ2.35 Mrθ-0.64 Mθφ-4.46 Mφr-4.43 NP1:φs3.46000°,δ80.52000°,λ-46.09000°. NP2:φs103.17000°,δ44.72000° ,λ-166.47000°. Principal axes: T 6.9036,Plg23.0000°,Azm61.0000°; N -0.5225,Plg43.0000° ,Azm174.0000°; P -6.3811,Plg38.0000°,Azm312.0000° M0 6.66000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s93,c121; s128,c188;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; Mrr-0.72±.02 Mθθ0.13±.02; Mφφ0.59±.03; Mrθ0.31±.01; Mθφ-0.52±.02; Mφr-0.54±.02; Best double couple: NP1:φs330.00000°,δ63.00000°,λ-87.00000°. NP2:φs143.00000°,δ27.00000°,λ-96.00000°. Principal axes: T 1.1380,Plg18.0000° ,Azm57.0000°; N -0.2100,Plg3.0000°,Azm148.0000°; P -0.9280,Plg71.0000°,Azm246.0000° M0 1.03300×10^{17}

(277) Jawa

ISC IV 23 18 01 12.3–.30 7.84S–.03 107.93E–.03 68–2 5.1b 1440 0-177
KLM IV 23 18 01 09 8.10S 107.86E 91 5.4b **¶610547522**
MOS IV 23 18 01 09.9–1.2 7.62S 108.02E 58 5.4b
DJA IV 23 18 01 11.1–.10 8S–2.0 108E–1.0 68–2 5.7,5.5b
IDC IV 23 18 01 11.6–.98 7.72S 107.99E 57–7 5.0,4.7b
NEIC IV 23 18 01 13.3–2.5 7.74S–.08 108.02E–.05 72–4 5.2b,4.7b
GCMT IV 23 18 01 14.3–.20 8.26S–.01 108.05E–.02 67–1 5.1W,4.7b
ISC Event type se. Moment Tensor Solution. NP1:φs88.40379°,δ60.91936°,λ84.54340°. NP2: φs279.52280°,δ29.54412°,λ99.70273°. Principal axes: T Plg73.5058°,Azm344.7043° ; N Plg4.7670°,Azm91.0621°; P Plg15.7526°,Azm182.4100°
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s83,c116; s96,c150;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr4.20±.14 Mθθ-4.96±.11; Mφφ0.75±.14; Mrθ2.26±.10; Mθφ1.02±.11; Mφr-0.12±.10; Best double couple: NP1:φs96.00000°,δ58.00000°,λ86.00000°. NP2:φs284.00000°,δ32.00000°,λ97.00000°. Principal axes: T 4.7300,Plg77.0000° ,Azm353.0000°; N 0.9190,Plg4.0000°,Azm98.0000°; P -5.6500,Plg13.0000°,Azm189.0000° M0 5.19000×10^{16}

(123) Northern Chile

ISC IV 26 18 12 31.8–.26 19.71S–.03 69.27W–.04 107–2 5.2b 1298 0-169
MOS IV 26 18 12 30.4–1.3 19.50S 69.09W 98 5.3b **¶611833653**
NEIC IV 26 18 12 32.4–2.1 19.70S–.04 69.35W–.06 105–3 5.4,5.4
VAO IV 26 18 12 32.3–.23 19.62S 69.13W 109 5.5b,5.4
NEIC IV 26 18 12 32 19.71S 69.40W 110 5.5b,5.4
NEIC IV 26 18 12 32.5 19.72S 69.32W 107 5.5b,5.4
GUC IV 26 18 12 32.8–.80 19.69S 69.30W 107–3 5.3L,5.4
NEIC IV 26 18 12 32 19.71S 69.29W 110 5.3L,5.4
IDC IV 26 18 12 33.0–.36 19.69S 69.11W 110–3 4.9,4.5b
BJI IV 26 18 12 34.0–.00 19.70S 69.30W 107 5.4b,4.5b
GCMT IV 26 18 12 35.5–.10 19.69S–.01 69.44W–.01 126–0 5.3W,4.5b
ISC Event type se. Moment Tensor Solution. NP1:φs330.69574°,δ55.90524°,λ-93.63709°. NP2: φs157.16510°,δ34.26487°,λ-84.64623°. Principal axes: T Plg10.8364°,Azm63.3134° ; N Plg3.0113°,Azm332.7364°; P Plg78.7432°,Azm227.4111°
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; Mrr0.44 Mθθ-0.03 Mφφ-0.41 Mrθ0.35 Mθφ-0.09 Mφr-1.10 NP1:φs164.89000°,δ80.55000°,λ81.69000°. NP2:φs26.55000°,δ12.56000° ,λ130.97000°. Principal axes: T 1.2835,Plg54.0000°,Azm65.0000°; N -0.1078,Plg8.0000° ,Azm166.0000°; P -1.1757,Plg35.0000°,Azm262.0000° M0 1.23000×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 2s5 Moment tensor: Scale 10^{17}Nm; Mrr-0.10 Mθθ-0.06 Mφφ0.15 Mrθ0.51 Mθφ0.03 Mφr-1.30 NP1:φs338.51000°,δ87.94000° ,λ-93.94000°. NP2:φs220.90000°,δ4.45000°,λ-27.68000°. Principal axes: T 1.4070,Plg43.0000°,Azm72.0000°; N -0.0047,Plg4.0000°,Azm339.0000° ; P -1.4023,Plg47.0000°,Azm244.0000° M0 1.40000×10^{17}
NEIC Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s113,c180; s135,c219;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; Mrr-0.29±.02 Mθθ-0.02±.03; Mφφ0.31±.03; Mrθ0.53±.01; Mθφ-0.06±.02; Mφr-1.20±.02; Best double couple: NP1:φs337.00000°,δ84.00000°,λ-94.00000°. NP2:φs186.00000°,δ7.00000°,λ-61.00000°. Principal axes: T 1.3530,Plg39.0000° ,Azm70.0000°; N -0.0130,Plg4.0000°,Azm337.0000°; P -1.3410,Plg51.0000°,Azm242.0000° M0 1.34700×10^{17}

(277) Jawa

ISC IV 27 07 03 12.6–.62 8.86S–.05 112.47E–.04 78–5 4.4b 102 1-149
IDC IV 27 07 03 02.4–.71 8.58S 112.33E 0 4.3,4.3b **¶610560096**
NEIC IV 27 07 03 13.1–2.7 8.81S–.09 112.47E–.06 75–4 4.6b,4.3b
DJA IV 27 07 03 14.0–.30 9S–3.0 113E–1.0 48–6 5.7b,5.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(173) Tonga Islands

ISC IV 27 18 46 45.7–.32 16.79S–.04 173.55W–.04 67–2 5.4b 1429 3-174
NEIC IV 27 18 46 42.4 16.51S 173.67W 33 5.4b **¶610570307**
NEIC IV 27 18 46 43 16.69S 173.04W 46 5.4b
NEIC IV 27 18 46 43 16.49S 173.67W 46 5.4b
MOS IV 27 18 46 43.9–1.3 16.63S 173.58W 59 5.5b,4.9s
BJI IV 27 18 46 45.5–.00 16.38S 173.08W 76 5.3b,5.0s
NEIC IV 27 18 46 45.4–1.8 16.53S–.08 173.65W–.08 59–1 5.5,5.5b
NOU IV 27 18 46 46.6 16.43S 173.18W 112 5.3b,5.5b
IDC IV 27 18 46 46.0–.55 16.54S 173.73W 64–4 5.0,4.7b
GCMT IV 27 18 46 49.3–.10 16.47S–.01 173.28W–.01 67–0 5.5W,4.7b
ISC Event type se. Moment Tensor Solution. NP1:φs124.16882°,δ58.43042°,λ123.38452°. NP2: φs252.63411°,δ44.64933°,λ48.15581°. Principal axes: T Plg60.8379°,Azm87.1549° ; N Plg27.9577°,Azm285.1342°; P Plg7.6347°,Azm191.0544°
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2s9 Moment tensor: Scale 10^{17}Nm; Mrr1.46 Mθθ-0.98 Mφφ-0.48 Mrθ-1.21 Mθφ1.01 Mφr-1.52 NP1:φs276.94000°,δ55.93000° ,λ43.73000°. NP2:φs158.75000°,δ55.07000°,λ136.89000°. Principal axes: T 2.9128,Plg53.0000°,Azm128.0000°; N -1.1382,Plg37.0000°,Azm307.0000° ; P -1.7745,Plg0.0000°,Azm38.0000° M0 2.34000×10^{17}
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; Mrr1.54 Mθθ-1.49 Mφφ-0.05 Mrθ-0.54 Mθφ0.19 Mφr-1.30 NP1:φs117.89000°,δ41.95000°,λ134.19000°. NP2:φs245.31000° ,δ61.36000°,λ57.93000°. Principal axes: T 2.3529,Plg60.0000°,Azm107.0000° ; N -0.7648,Plg28.0000°,Azm262.0000°; P -1.5881,Plg11.0000°,Azm358.0000° M0 2.08000×10^{17}
NOU Tonga Islands.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s140,c250; s147,c295;Duration: 1s4 Moment tensor: Scale 10^{17}Nm; M_{rr}1.61±.03 $M_{\theta\theta}$-1.88±.02; $M_{\phi\phi}$0.26±.03; $M_{r\theta}$-0.78±.02; $M_{r\phi}$-1.30±.02; $M_{\theta\phi}$0.93±.02; Best double couple: NP1:ϕ_s259.00000°,δ59.00000°,λ48.00000°. NP2:ϕ_s140.00000°,δ50.00000°,λ139.00000°. Principal axes: T 2.6950,Plg54.0000°,Azm115.0000°; N -0.4460,Plg35.0000°,Azm284.0000°; P -2.2500,Plg5.0000°,Azm18.0000° $M_0$2.47200×10^{17}

(216) Mariana Islands

ISC	**IV**	**29 23 49 17.6–.36**	**18.67N–.03**	**145.65E–.05**	**209–3**	**5.1b**	**1193**	**5-167**
BJI	IV	29 23 49 15.8–.00	18.87N	145.89E	205	5.2b,4.8b	**¶610589456**	
NEIC	IV	29 23 49 17.9–1.5	18.66N–.07	145.6E–.10	200–4	5.1b,4.8b		
IDC	IV	29 23 49 19.0–.96	18.59N	145.63E	222–8	5.3,4.8b		
MOS	IV	29 23 49 18.1–.79	18.65N	145.49E	224	5.1b,4.8b		
GCMT	IV	29 23 49 19.9–.30	18.68N–.02	145.84E–.02	205–2	5.0W,4.8b		
DJA	IV	29 23 49 20.9–1.3	19N–3.0	146E–5.0	243–12	5.6b,5.5		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s34,c41; s114,c147;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.55±.12 $M_{\theta\theta}$-0.58±.14; $M_{\phi\phi}$-1.97±.15; $M_{r\theta}$0.46±.11; $M_{\theta\phi}$1.61±.15; $M_{\phi r}$3.00±.11; Best double couple: NP1:ϕ_s355.00000°,δ70.00000°,λ113.00000°. NP2:ϕ_s123.00000°,δ30.00000°,λ43.00000°. Principal axes: T 4.3190,Plg59.0000°,Azm297.0000°; N -0.3730,Plg22.0000°,Azm166.0000°; P -3.9420,Plg22.0000°,Azm67.0000° $M_0$4.13000×10^{16}

(248) Philippine Islands region

ISC	**V**	**01 00 31 55.3–.72**	**10.66N–.04**	**125.95E–.05**	**78–6**	**4.5b**	**139**	**1-147**
MAN	V	01 00 31 50.3	10.71N	126.16E	23	5.4b,4.6s	**¶610589575**	
DJA	V	01 00 31 51.8–.40	11N–5.0	126E–6.0	10	5.7b,5.3		
IDC	V	01 00 31 58.3–2.0	10.63N	125.83E	100–19	4.3,4.0b		
NEIC	V	01 00 31 59.3–1.4	10.69N–.08	125.80E–.09	105–7	4.5b,4.0b		

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

(153) South Sandwich Islands region

ISC	**V**	**03 05 09 51.7–.36**	**59.78S–.05**	**27.26W–.06**	**118–2**	**5.0b**	**211**	**9-153**
BJI	V	03 05 09 48.0–.00	59.80S	27.30W	90	6.1b	**¶610593226**	
IDC	V	03 05 09 51.2–.45	59.74S	27.32W	112–3	4.9,4.6s		
NEIC	V	03 05 09 53.8–1.2	59.8S–.10	27.4W–.20	134–6	5.0b,4.6s		

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

(2) Southern Alaska

ISC	**V**	**07 04 25 18.2–.23**	**60.19N–.02**	**151.82W–.02**	**79–1**	**5.2b**	**1703**	**0-168**
BJI	V	07 04 25 13.2–.00	60.17N	152.00W	58	5.6b,5.3b	**¶611833837**	
MOS	V	07 04 25 14.1–.92	60.25N	152.01W	53	5.5b,5.3b		
NEIC	V	07 04 25 18.2–2.0	60.18N–.04	151.70W–.06	69–3	5.5b,5.3b		
IDC	V	07 04 25 18.2–.39	60.19N	152.00W	78–3	5.2,4.8b		
NEIC	V	07 04 25 18.3	60.17N	151.77W	72	5.2,4.8b		
AEIC	V	07 04 25 19.1–2.0	60.18N–.04	151.68W–.06	67–3	5.3L,5.3		
NEIC	V	07 04 25 19.1	60.09N	151.67W	60	5.3L,5.3		
NEIC	V	07 04 25 19.1	60.20N	151.67W	60	5.3L,5.3		
GCMT	V	07 04 25 20.2–.20	60.25N–.01	151.74W–.02	78–1	5.3W,5.3		
BGR	V	07 04 25 22.1	61.34N	151.17W	33	5.3b,4.0s		

ISC Event type ke.
MOS Error ellipse: s-maj=7.8km s-min=3.6km az=94.2.
NEIC Event type se. Error ellipse: s-maj=5.6km s-min=3.6km az=212.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}2.43 $M_{\theta\theta}$-9.34 $M_{\phi\phi}$6.91 $M_{r\theta}$-0.14 $M_{\theta\phi}$1.01 $M_{\phi r}$4.52 NP1:ϕ_s314.00000°,δ69.95000°,λ154.87000°. NP2:ϕ_s53.13000°,δ66.49000°,λ21.95000°. Principal axes: T 9.7505,Plg32.0000°,Azm273.0000°; N -0.3340,Plg58.0000°,Azm98.0000°; P -9.4165,Plg2.0000°,Azm4.0000° $M_0$9.59000×10^{16}
IDC Error ellipse: s-maj=7.0km s-min=6.6km az=72.0.
NEIC Event type se.
AEIC Event type se. Error ellipse: s-maj=5.5km s-min=3.5km az=211.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution.Duration: 2s2 Moment tensor: Scale 10^{16}Nm; M_{rr}1.80 $M_{\theta\theta}$-9.30 $M_{\phi\phi}$7.50 $M_{r\theta}$-1.16 $M_{\theta\phi}$0.06 $M_{\phi r}$4.61 NP1:ϕ_s311.66000°,δ74.73000°,λ153.61000°. NP2:ϕ_s49.10000°,δ64.61000°,λ16.95000°. Principal axes: T 10.0857,Plg29.0000°,Azm268.0000°; N -0.6472,Plg60.0000°,Azm104.0000°; P -9.4386,Plg7.0000°,Azm2.0000° $M_0$9.76000×10^{16}
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s107,c153; s132,c218;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}0.18±.02 $M_{\theta\theta}$-1.16±.02; $M_{\phi\phi}$0.97±.02; $M_{r\theta}$-0.14±.02; $M_{\theta\phi}$0.13±.02; $M_{\phi r}$0.54±.01; Best double couple: NP1:ϕ_s316.00000°,δ77.00000°,λ155.00000°. NP2:ϕ_s52.00000°,δ66.00000°,λ14.00000°. Principal axes: T 1.2510,Plg27.0000°,Azm271.0000°; N -0.0630,Plg62.0000°,Azm110.0000°; P -1.1900,Plg8.0000°,Azm5.0000° $M_0$1.22100×10^{17}
BGR Event type ke.

(289) Timor region

ISC	**V**	**07 06 55 07.0–1.2**	**8.8S–.10**	**124.2E–.10**	**100**		**12**	**1-67**
IDC	V	07 06 54 55.8–2.2	9.08S	123.50E	0	4.3L,4.0	**¶610689701**	
DJA	V	07 06 55 07.6–.40	9S–5.0	124E–3.0	110–5	5.7b,5.2		

ISC Event type ke.

(186) Vanuatu Islands

ISC	**V**	**09 13 52 10.9–.21**	**14.60S–.02**	**167.35E–.02**	**175–1**	**6.6b**	**2675**	**7-176**
IDC	V	09 13 52 08.6–.74	14.62S	167.38E	151–5	6.6,6.2b	**¶616639916**	
BJI	V	09 13 52 09.0–.00	14.58S	167.35E	170	7.0b,6.6b		
MOS	V	09 13 52 09.7–1.1	14.53S	167.29E	171	7.0b,6.1s		
NEIC	V	09 13 52 10.9	14.60S	167.38E	169	7.0b,6.1s		
NEIC	V	09 13 52 10.9–2.0	14.59S–.08	167.38E–.08	169–1	6.8,6.8		
NEIC	V	09 13 52 11.2	14.61S	167.36E	170	6.8,6.8		
NEIC	V	09 13 52 11.2	14.51S	167.15E	170	6.8,6.8		
NEIC	V	09 13 52 11.2	14.61S	167.36E	170	6.8,6.8		
GCMT	V	09 13 52 15.0–.00	14.55S	167.20E	181–0	6.8W,6.8		
NEIC	V	09 13 52 37.8	14.48S	167.04E	174	6.8W,6.8		

ISC Event type se.
IDC Error ellipse: s-maj=8.8km s-min=6.7km az=64.0.
MOS Error ellipse: s-maj=7.3km s-min=5.4km az=124.1. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s166.00000°,δ48.00000°,λ114.00000°. NP2: ϕ_s312.00000°,δ48.00000°,λ66.00000°. Principal axes: T Plg72.0000°,Azm149.0000°; N Plg18.0000°,Azm329.0000°; P Plg0.0000°,Azm239.0000°
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.3km s-min=13.0km az=162.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{19}Nm; M_{rr}1.59 $M_{\theta\theta}$-0.41 $M_{\phi\phi}$-1.18 $M_{r\theta}$-0.58 $M_{\theta\phi}$0.43 $M_{\phi r}$-0.15 NP1:ϕ_s171.32000°,δ45.27000°,λ113.71000°. NP2:ϕ_s319.36000°,δ49.42000°,λ67.91000°. Principal axes: T 1.7713,Plg73.0000°,Azm162.0000°; N -0.3900,Plg17.0000°,Azm334.0000°; P -1.3813,Plg2.0000°,Azm65.0000° $M_0$1.61000×10^{19}
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 12s7 Moment tensor: Scale 10^{19}Nm; M_{rr}1.41 $M_{\theta\theta}$-0.09 $M_{\phi\phi}$-1.32 $M_{r\theta}$-0.80 $M_{\theta\phi}$0.82 $M_{\phi r}$-0.26 NP1:ϕ_s307.97000°,δ53.75000°,λ53.95000°. NP2:ϕ_s178.87000°,δ49.30000°,λ128.75000°. Principal axes: T 1.8661,Plg62.0000°,Azm157.0000°; N -0.1303,Plg28.0000°,Azm331.0000°; P -1.7359,Plg2.0000°,Azm63.0000° $M_0$1.80000×10^{19}
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=50s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s175,c481; s177,c875; Duration: 5s9 Moment tensor: Scale 10^{19}Nm; M_{rr}1.50±.01 $M_{\theta\theta}$-0.16±.01; $M_{\phi\phi}$-1.34±.01; $M_{r\theta}$-0.74±.00; $M_{\theta\phi}$0.79±.01; $M_{\phi r}$-0.29±.00; Best double couple: NP1:ϕ_s310.00000°,δ52.00000°,λ57.00000°. NP2:ϕ_s177.00000°,δ49.00000°,λ125.00000°. Principal axes: T 1.8840,Plg64.0000°,Azm156.0000°; N -0.1450,Plg26.0000°,Azm332.0000°; P -1.7420,Plg2.0000°,Azm63.0000° $M_0$1.81300×10^{19}
NEIC Event type se. Moment Tensor Solution.Duration: 13s7 Moment tensor: Scale 10^{19}Nm; M_{rr}1.31 $M_{\theta\theta}$0.02 $M_{\phi\phi}$-1.32 $M_{r\theta}$-0.75 $M_{\theta\phi}$1.09 $M_{\phi r}$-0.30 NP1:ϕ_s179.85000°,δ52.08000°,λ134.35000°. NP2:ϕ_s302.01000°,δ55.66000°,λ48.10000°. Principal axes: T 1.8406,Plg56.0000°,Azm153.0000°; N 0.0954,Plg33.0000°,Azm329.0000°; P -1.9359,Plg2.0000°,Azm60.0000° $M_0$1.89000×10^{19}

(239) Southeast of Ryukyu Islands

ISC	**V**	**09 19 15 50.0–.22**	**25.72N–.02**	**125.13E–.02**	**124–1**	**5.3b**	**1330**	**1-169**
BGR	V	09 19 15 31.2	23.85N	126.26E	33	5.5b,4.1s	**¶611833844**	
BJI	V	09 19 15 42.8–.00	25.33N	125.59E	110	5.2b,5.0b		
MOS	V	09 19 15 48.6–.95	25.78N	125.09E	123	5.2b,5.0b		
NEIC	V	09 19 15 49.8	25.72N	125.13E	120	5.2b,5.0b		
NEIC	V	09 19 15 49.8	25.52N	125.13E	120	5.2b,5.0b		
NEIC	V	09 19 15 49.9–2.0	25.74N–.06	125.13E–.05	117–3	5.4b,5.1		
JMA	V	09 19 15 50.5–.19	26N–1.0	125.0E–.90	105	5.2,5.0		
NIED	V	09 19 15 50.5	25.85N	124.97E	105	5.1W,5.0		
GCMT	V	09 19 15 50.8–.30	25.66N–.02	125.13E–.03	149–5	5.2W,5.0		
IDC	V	09 19 15 50.1–.83	25.84N	125.13E	118–7	5.2,4.9b		

ISC Event type ke.
BGR Event type ke.
MOS Error ellipse: s-maj=5.9km s-min=3.6km az=114.8.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 1s9 Moment tensor: Scale 10^{16}Nm; M_{rr}1.38 $M_{\theta\theta}$-3.21 $M_{\phi\phi}$1.83 $M_{r\theta}$-4.96 $M_{\theta\phi}$-1.93 $M_{\phi r}$-0.43 NP1:ϕ_s271.71000°,δ78.75000°,λ109.56000°. NP2:ϕ_s30.48000°,δ22.45000°,λ30.71000°. Principal axes: T 4.7279,Plg52.0000°,Azm204.0000°; N 2.0519,Plg19.0000°,Azm88.0000°; P -6.7798,Plg31.0000°,Azm346.0000° $M_0$5.75000×10^{16}
NEIC Event type se. Error ellipse: s-maj=9.0km s-min=5.8km az=167.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. NW OFF MIYAKOJIMA ISLAND.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}0.29 $M_{\theta\theta}$-1.24 $M_{\phi\phi}$0.95 $M_{r\theta}$-5.23 $M_{\theta\phi}$0.16 $M_{\phi r}$-1.11 NP1:ϕ_s257.00000°,δ86.00000°,λ83.00000°. NP2:ϕ_s139.00000°,δ7.00000°,λ151.00000°. $M_0$5.43000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s15,c17; s97,c140;Duration: 1s0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.15±.47 $M_{\theta\theta}$-1.60±.47; $M_{\phi\phi}$0.45±.44; $M_{r\theta}$-7.74±.34; $M_{\theta\phi}$0.47±.49; $M_{\phi r}$-2.30±.30; Best double couple: NP1:ϕ_s254.00000°,δ86.00000°,λ83.00000°. NP2:ϕ_s132.00000°,δ8.00000°,λ148.00000°. Principal axes: T 8.1930,Plg49.0000°,Azm157.0000°; N 0.0420,Plg7.0000°,Azm254.0000°; P -8.2340,Plg41.0000°,Azm350.0000° $M_0$8.21400×10^{16}
IDC Error ellipse: s-maj=7.7km s-min=5.8km az=57.0.

(216) Mariana Islands

ISC	**V**	**09 19 52 13.9–.21**	**13.63N–.03**	**144.90E–.03**	**127–1**	**5.1b**	**988**	**0-167**
BJI	V	09 19 52 11.6–.00	13.67N	145.19E	121	5.1b,4.7b	**¶610619296**	
MOS	V	09 19 52 13.3–1.1	13.66N	145.02E	136	4.9b,4.7b		
NEIC	V	09 19 52 13.9	13.74N	145.47E	120	4.9b,4.7b		
NEIC	V	09 19 52 13.8	13.63N	144.98E	124	4.9b,4.7b		
NEIC	V	09 19 52 13.9–1.7	13.65N–.07	144.95E–.08	125–2	5.4,5.4		
IDC	V	09 19 52 13.9–.31	13.68N	145.07E	124–2	4.9,4.5b		
NEIC	V	09 19 52 13.9	13.64N	144.95E	125	4.9,4.5b		
DJA	V	09 19 52 14.1–.60	14N–5.0	145E–4.0	127–4	5.7b,5.6		
GCMT	V	09 19 52 16.9–.10	13.48N–.01	144.97E–.01	128–1	5.5W,5.6		

ISC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2s4 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.26 $M_{\theta\theta}$1.31 $M_{\phi\phi}$-1.05 $M_{r\theta}$0.59 $M_{\theta\phi}$-0.75 $M_{\phi r}$0.43 NP1:ϕ_s243.56000°,δ82.47000°,λ-151.55000°. NP2:ϕ_s149.50000°,δ61.81000°,λ-8.55000°. Principal axes: T 1.6358,Plg14.0000°,Azm13.0000°; N -0.0964,Plg61.0000°,Azm257.0000°; P -1.5395,Plg25.0000°,Azm110.0000° $M_0$1.59000×10^{17}
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.64 $M_{\theta\theta}$1.07 $M_{\phi\phi}$-0.43 $M_{r\theta}$0.64 $M_{\theta\phi}$-1.16 $M_{\phi r}$0.40 NP1:ϕ_s260.19000°,δ71.91000°,λ-145.36000°. NP2:ϕ_s158.09000°,δ57.29000°,λ-21.65000°. Principal axes: T 1.7642,Plg9.0000°,Azm26.0000°; N -0.2072,Plg51.0000°,Azm284.0000°; P -1.5570,Plg37.0000°,Azm123.0000° $M_0$1.67000×10^{17}
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s98,c135; s142,c277;Duration: 1s4 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.38±.04 $M_{\theta\theta}$1.53±.04; $M_{\phi\phi}$-0.14±.04; $M_{r\theta}$0.73±.03; $M_{\theta\phi}$-1.48±.04; $M_{\phi r}$0.71±.03; Best double couple: NP1:ϕ_s268.00000°,δ61.00000°,λ-136.00000°. NP2:ϕ_s153.00000°,δ53.00000°,λ-38.00000°. Principal axes: T 2.4140,Plg4.0000°,Azm29.0000°; N -0.2060,Plg39.0000°,Azm295.0000°; P -2.2030,Plg51.0000°,Azm123.0000° $M_0$2.30800×10^{17}

(277) Jawa

ISC	**V**	**10 17 46 41.1–.66**	**6.75S–.07**	**106.48E–.05**	**117–6**	**4.4b**	**102**	**0-146**
DJA	V	10 17 46 40.8–.30	7S–4.0	106E–3.0	97–3	5.6b,5.1	**¶610689979**	
IDC	V	10 17 46 42.2–1.1	6.44S	106.59E	125–7	4.3,4.0s		
NEIC	V	10 17 46 42.3–1.6	6.59S–.10	106.56E–.09	121–7	4.6b,4.0s		

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

(277) Jawa

ISC	**V**	**11 08 51 34.3–.58**	**7.64S–.05**	**107.09E–.04**	**84–5**	**4.5b**	**162**	**0-146**
NEIC	V	11 08 51 34.9–2.4	7.67S–.06	107.08E–.05	86–7	4.5b	**¶610623497**	
DJA	V	11 08 51 34.0–.20	8S–2.0	107E–1.0	58–2	5.7b,5.2		
IDC	V	11 08 51 36.9–.82	7.26S	107.15E	106–6	4.3,4.0b		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=8.5km s-min=7.0km az=190.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=19.3km s-min=10.9km az=57.0.

(280) Banda Sea

ISC	**V**	**11 21 46 14.1–.36**	**6.64S–.03**	**130.13E–.04**	**157–3**	**4.8b**	**515**	**2-155**
BJI	V	11 21 46 11.8–.00	6.75S	130.25E	166	4.8b,4.7b	**¶610630727**	
NEIC	V	11 21 46 13.9–1.0	6.57S–.05	130.09E–.08	153–6	4.8b,4.7b		
IDC	V	11 21 46 14.3–.76	6.55S	130.07E	153–6	4.9,4.4b		
GCMT	V	11 21 46 14.9–.40	6.64S–.02	130.06E–.03	178–4	5.0W,4.4b		
DJA	V	11 21 46 14.5–.10	7S–2.0	130E–2.0	155–2	5.5,5.5b		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s11,c11; s76,c101;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.02±.15 $M_{\theta\theta}$-2.09±.18; $M_{\phi\phi}$2.11±.22; $M_{r\theta}$0.69±.11; $M_{\theta\phi}$-2.23±.17; $M_{\phi r}$2.27±.13; Best double couple: NP1:ϕ_s21.00000°,δ89.00000°,λ38.00000°. NP2:ϕ_s291.00000°,δ52.00000°,λ179.00000°. Principal axes: T 3.9690,Plg26.0000°,Azm253.0000°; N -0.1970,Plg52.0000°,Azm22.0000°; P -3.7730,Plg25.0000°,Azm150.0000° $M_0$3.87100×10^{16}

(124) Chile-Bolivia border region

ISC	**V**	**14 19 44 24.9–.22**	**20.78S–.02**	**68.68W–.04**	**116–1**	**5.8b**	**1189**	**1-178**
SJA	V	14 19 44 22.5–1.4	20.84S	68.79W	124–14	5.6L,5.3W	**¶611833885**	
MOS	V	14 19 44 23.4–1.2	20.65S	68.47W	104	6.0b,4.7s		
BJI	V	14 19 44 24.0–.00	20.90S	68.60W	100	5.2b,4.7s		
NEIC	V	14 19 44 25.2–2.7	20.83S–.04	68.71W–.07	116–1	5.9b,5.7		
VAO	V	14 19 44 25.5–.24	20.71S	68.42W	110–2	5.7b,5.7		
GUC	V	14 19 44 25.4–.81	20.84S	68.73W	115–4	5.9L,5.7		
NEIC	V	14 19 44 25	20.84S	68.73W	115	5.9L,5.7		
NEIC	V	14 19 44 25	20.84S	68.73W	115	5.9L,5.7		
NEIC	V	14 19 44 25	20.84S	68.73W	100	5.9L,5.7		
NEIC	V	14 19 44 25	20.84S	68.73W	100	5.9L,5.7		
IDC	V	14 19 44 26.3–.29	20.67S	68.54W	118–2	5.3,4.9b		
GCMT	V	14 19 44 30.0–.10	20.92S–.01	68.71W–.01	132–0	5.7W,4.9b		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.10 $M_{\theta\theta}$-3.77 $M_{\phi\phi}$2.67 $M_{r\theta}$-0.41 $M_{\theta\phi}$1.31 $M_{\phi r}$-1.73 NP1:ϕ_s240.60000°,δ69.09000°,λ23.90000°. NP2:ϕ_s141.61000°,δ67.76000°,λ157.32000°. Principal axes: T 4.0061,Plg31.0000°,Azm101.0000°; N 0.0176,Plg59.0000°,Azm279.0000°; P -4.0238,Plg1.0000°,Azm11.0000° $M_0$4.01000×10^{17} Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.24 $M_{\theta\theta}$-3.39 $M_{\phi\phi}$2.15 $M_{r\theta}$-1.23 $M_{\theta\phi}$1.39 $M_{\phi r}$-2.03 NP1:ϕ_s141.46000°,δ56.54000°,λ157.97000°. NP2:ϕ_s244.04000°,δ71.76000°,λ35.49000°. Principal axes: T 4.2263,Plg38.0000°,Azm107.0000°; N -0.3843,Plg51.0000°,Azm268.0000°; P -3.8420,Plg10.0000°,Azm10.0000° $M_0$4.05000×10^{17}
NEIC Event type se.
NEIC Event type se.

NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 3s7 Moment tensor: Scale 10^17Nm; Mrr-0.48 Mθθ-3.66 Mφφ4.14 Mrθ0.05 Mθφ1.66 Mφr-2.49 NP1:φs145.71000°,δ81.96000°,λ156.34000°. NP2:φs239.22000°,δ66.59000°,λ8.77000°. Principal axes: T 5.4775,Plg22.0000°,Azm100.0000°; N -1.3764,Plg65.0000°,Azm308.0000°; P -4.1011,Plg10.0000°,Azm195.0000° M0 4.79000×10^17
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s139,c250; s135,c234;Duration: 1s8 Moment tensor: Scale 10^17Nm; Mrr0.30±.04 Mθθ-4.05±.05; Mφφ3.75±.06; Mrθ0.27±.04; Mθφ1.85±.05; Mφr-2.33±.04; Best double couple: NP1:φs146.00000°,δ80.00000°,λ155.00000°. NP2:φs240.00000°,δ65.00000°,λ11.00000°. Principal axes: T 5.1840,Plg25.0000°,Azm101.0000°; N -0.5730,Plg63.0000°,Azm306.0000°; P -4.6050,Plg10.0000°,Azm195.0000° M0 4.89500×10^17

(210) South of Mariana Islands

ISC	**V**	**16 03 56 26.8–.27**	**12.81N–.03**	**145.15E–.04**	**68–1**	**5.6b**	**1162**	**1-167**
KLM	V	16 03 56 20	12.68N	145.97E	44	5.9b		**¶616653182**
MOS	V	16 03 56 22.0–.78	12.81N	145.14E	41	5.9b,4.8s		
NEIC	V	16 03 56 24.6–1.4	12.75N–.07	145.1E–.10	42–1	5.6b,5.4		
NEIC	V	16 03 56 24.6	12.76N	145.15E	42	5.6b,5.4		
NEIC	V	16 03 56 24.6	12.66N	145.25E	40	5.6b,5.4		
IDC	V	16 03 56 24.4–.51	12.82N	145.12E	46–4	5.4,5.2b		
DJA	V	16 03 56 25.9–.40	13N–3.0	145E–4.0	83–3	6.2b,5.9b		
GCMT	V	16 03 56 26.6–.10	12.63N–.01	145.18E–.01	38–1	5.5W,5.9b		
BJI	V	16 03 56 26.9–.00	13.12N	145.05E	66	5.7b,5.4b		
NEIC	V	16 03 56 27.1	12.78N	145.10E	62	5.7b,5.4b		

ISC Event type se.
MOS Error ellipse: s-maj=8.3km s-min=4.2km az=113.6.
NEIC Event type se. Error ellipse: s-maj=17.8km s-min=10.4km az=252.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^17Nm; Mrr0.56 Mθθ-0.44 Mφφ-0.12 Mrθ0.30 Mθφ-0.32 Mφr1.37 NP1:φs255.55000°,δ16.76000°,λ146.37000°. NP2:φs18.05000°,δ80.81000°,λ75.93000°. Principal axes: T 1.6358,Plg52.0000°,Azm272.0000°; N -0.2420,Plg14.0000°,Azm20.0000°; P -1.3939,Plg34.0000°,Azm120.0000° M0 1.53000×10^17
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2s6 Moment tensor: Scale 10^17Nm; Mrr-0.01 Mθθ0.04 Mφφ-0.03 Mrθ0.33 Mθφ-0.33 Mφr1.42 NP1:φs11.12000°,δ88.67000°,λ78.63000°. NP2:φs274.56000°,δ11.45000°,λ173.30000°. Principal axes: T 1.4005,Plg45.0000°,Azm270.0000°; N 0.1789,Plg11.0000°,Azm11.0000°; P -1.5794,Plg43.0000°,Azm112.0000° M0 1.49000×10^17
IDC Error ellipse: s-maj=10.5km s-min=8.1km az=82.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s115,c183; s133,c247;Duration: 1s4 Moment tensor: Scale 10^17Nm; Mrr0.58±.03 Mθθ-0.11±.02; Mφφ-0.46±.02; Mrθ0.46±.03; Mθφ-0.45±.02; Mφr2.09±.07; Best double couple: NP1:φs13.00000°,δ82.00000°,λ82.00000°. NP2:φs239.00000°,δ11.00000°,λ135.00000°. Principal axes: T 2.2140,Plg52.0000°,Azm274.0000°; N 0.0680,Plg8.0000°,Azm14.0000°; P -2.2830,Plg36.0000°,Azm110.0000° M0 2.24900×10^17
NEIC Event type se.

(280) Banda Sea

ISC	**V**	**16 10 21 33.8–.49**	**7.66S–.05**	**128.40E–.05**	**151**	**4.1b**	**85**	**3-151**
IDC	V	16 10 21 26.3–4.4	7.72S	127.67E	75–40	4.5L,4.2		**¶610690409**
NEIC	V	16 10 21 28.9–2.9	7.6S–.10	128.3E–.20	98–8	4.2b,4.2		
DJA	V	16 10 21 33.2–.30	8S–2.0	128E–2.0	142–11	5.6b,5.0		

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

(259) Mindanao

ISC	**V**	**20 05 17 29.9–.34**	**6.43N–.03**	**126.90E–.05**	**100–2**	**5.0b**	**604**	**1-162**
BJI	V	20 05 17 25.4–.00	6.24N	127.14E	95	5.0b,4.9b		**¶610645714**
MOS	V	20 05 17 27.9–.86	6.44N	126.94E	100	5.1b,4.9b		
MAN	V	20 05 17 29.0	6.47N	126.93E	57	5.5b,4.7s		
IDC	V	20 05 17 30.4–.65	6.49N	126.93E	101–5	4.7,4.4b		
NEIC	V	20 05 17 30.3–1.2	6.46N–.07	126.96E–.09	97–7	5.0b,4.4b		
DJA	V	20 05 17 31.4–.50	6N–4.0	127E–4.0	92–3	5.4b,5.4		

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

(61) Chiapas

ISC	**V**	**20 17 58 45.6–.17**	**17.10N–.02**	**94.05W–.02**	**144–1**	**5.8b**	**2380**	**0-157**
ECX	V	20 17 58 20.4–1.8	16.53N	92.52W	10–452	5.7		**¶612756873**
MOS	V	20 17 58 44.9–.95	17.10N	93.93W	141	6.0b,4.9s		
BJI	V	20 17 58 45.2–.00	17.31N	94.38W	141	5.2b,4.9s		
IDC	V	20 17 58 45.5–.22	17.07N	94.02W	138–1	5.4,5.1b		
NEIC	V	20 17 58 46.6	17.15N	93.98W	140	5.4,5.1b		
NEIC	V	20 17 58 46.3	17.14N	94.01W	150	5.4,5.1b		
NEIC	V	20 17 58 46.3	17.14N	94.01W	150	5.4,5.1b		
NEIC	V	20 17 58 46.5–2.7	17.05N–.06	94.09W–.04	144–1	5.9b,5.7		
MEX	V	20 17 58 47.2–.63	17.03N	94.21W	148–5	5.7,5.7		
GCMT	V	20 17 58 47.5–.10	17.17N–.01	94.10W–.01	147–0	5.8W,5.7		
BGR	V	20 17 58 49.7	17.17N	93.91W	150	6.4,6.2b		
SNET	V	20 17 58 53.5–.95	16.76N	93.63W	103–39	5.7L,6.2b		
GCG	V	20 17 59 14.3–.40	15.99N	92.26W	18–999	5.3,6.2b		

ISC Event type ke.
ECX Error ellipse: s-maj=181.8km s-min=276.2km az=-1.0.
MOS Error ellipse: s-maj=6.7km s-min=4.6km az=88.7.
IDC Error ellipse: s-maj=6.8km s-min=5.4km az=42.0.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 3s8 Moment tensor: Scale 10^17Nm; Mrr-2.86 Mθθ-1.08 Mφφ3.94 Mrθ2.65 Mθφ-1.25 Mφr-2.24 NP1:φs320.14000°,δ69.80000°,λ-117.04000°. NP2:φs196.06000°,δ33.29000°,λ-38.99000°. Principal axes: T 5.2737,Plg20.0000°,Azm70.0000°; N -0.3613,Plg25.0000°,Azm330.0000°; P -4.9124,Plg57.0000°,Azm194.0000° M0 5.09000×10^17
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=5.7km az=26.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^17Nm; Mrr-3.13 Mθθ-0.13 Mφφ3.26 Mrθ2.60 Mθφ-0.66 Mφr-2.69 NP1:φs325.91000°,δ70.41000°,λ-107.24000°. NP2:φs188.70000°,δ25.87000°,λ-50.20000°. Principal axes: T 4.7695,Plg24.0000°,Azm69.0000°; N 0.3728,Plg16.0000°,Azm332.0000°; P -5.1423,Plg61.0000°,Azm210.0000° M0 4.97000×10^17
MEX Error ellipse: s-maj=4.1km s-min=3.6km az=-1.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s156,c311; s156,c348;Duration: 1s9 Moment tensor: Scale 10^17Nm; Mrr-3.28±.04 Mθθ-0.85±.05; Mφφ4.13±.05; Mrθ3.05±.04; Mθφ-1.74±.05; Mφr-2.78±.04; Best double couple: NP1:φs319.00000°,δ70.00000°,λ-113.00000°. NP2:φs190.00000°,δ30.00000°,λ-43.00000°. Principal axes: T 6.1190,Plg22.0000°,Azm66.0000°; N -0.5630,Plg21.0000°,Azm327.0000°; P -5.5580,Plg59.0000°,Azm197.0000° M0 5.83900×10^17
BGR Event type ke.
SNET Error ellipse: s-maj=10.1km s-min=25.7km az=-1.0.
GCG Error ellipse: s-maj=82.0km s-min=64.5km az=-1.0.

(193) Bougainville-Solomon Islands region

ISC	**V**	**24 11 05 19.1–.29**	**10.05S–.03**	**161.85E–.04**	**64–2**	**5.6b**	**1383**	**2-165**
NEIC	V	24 11 05 18.3	10.11S	161.88E	60	5.6b		**¶616639968**
NEIC	V	24 11 05 18.8–2.7	10.02S–.08	161.95E–.07	52–1	5.6b,5.5		
NEIC	V	24 11 05 18.3	10.01S	161.98E	49	5.6b,5.5		
NEIC	V	24 11 05 18.3	10.01S	161.98E	60	5.6b,5.5		
GCMT	V	24 11 05 19.8–.10	9.99S–.01	161.83E–.01	56–0	5.5W,5.5		
BJI	V	24 11 05 19.2–.00	9.63S	161.75E	62	5.6b,5.4b		
IDC	V	24 11 05 21.0–1.2	10.08S	161.78E	79–10	5.4,5.1b		
MOS	V	24 11 05 21.1–1.0	9.96S	161.63E	83	5.6b,4.9s		
NOU	V	24 11 05 21.1	10.00S	161.79E	73	5.6L,4.9s		

ISC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2s9 Moment tensor: Scale 10^17Nm; Mrr1.89 Mθθ-0.86 Mφφ-1.02 Mrθ-0.37 Mθφ0.89 Mφr0.61 NP1:φs321.43000°,δ55.50000°,λ94.27000°. NP2:φs133.92000°,δ34.73000°,λ83.81000°. Principal axes: T 2.0239,Plg79.0000°,Azm247.0000°; N -0.0575,Plg4.0000°,Azm139.0000°; P -1.9664,Plg10.0000°,Azm48.0000° M0 2.00000×10^17
NEIC Event type se. Error ellipse: s-maj=14.3km s-min=11.5km az=211.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^17Nm; Mrr2.28 Mθθ-0.93 Mφφ-1.35 Mrθ-0.64 Mθφ1.00 Mφr0.67 NP1:φs142.70000°,δ33.67000°,λ92.90000°. NP2:φs319.22000°,δ56.38000°,λ88.07000°. Principal axes: T 2.4642,Plg79.0000°,Azm222.0000°; N -0.1211,Plg2.0000°,Azm320.0000°; P -2.3431,Plg11.0000°,Azm51.0000° M0 2.41000×10^17
NEIC Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s139,c241; s142,c271;Duration: 1s3 Moment tensor: Scale 10^17Nm; Mrr1.62±.02 Mθθ-0.79±.02; Mφφ-0.83±.02; Mrθ-0.57±.02; Mθφ0.92±.02; Mφr0.90±.02; Best double couple: NP1:φs322.00000°,δ61.00000°,λ97.00000°. NP2:φs129.00000°,δ29.00000°,λ78.00000°. Principal axes: T 1.9410,Plg73.0000°,Azm248.0000°; N 0.0840,Plg6.0000°,Azm139.0000°; P -2.0270,Plg16.0000°,Azm47.0000° M0 1.98400×10^17
IDC Error ellipse: s-maj=11.7km s-min=8.5km az=56.0.
MOS Error ellipse: s-maj=7.3km s-min=5.6km az=116.0.
NOU Solomon Islands.

(282) South of Jawa

ISC	**V**	**24 16 44 53.7–.27**	**8.93S–.03**	**111.95E–.03**	**68–2**	**5.3b**	**843**	**1-170**
BJI	V	24 16 44 51.0–.00	9.10S	111.90E	70	5.4b,5.4s		**¶610651510**
DJA	V	24 16 44 53.5–.20	9S–2.0	112E–1.0	61–3	5.8,5.7b		
MOS	V	24 16 44 53.4–.87	8.73S	112.08E	76	5.5b,5.7b		
NEIC	V	24 16 44 53.6–2.5	8.97S–.07	111.985E–.01	58–4	5.4b,5.7b		
IDC	V	24 16 44 53.5–1.2	8.72S	112.07E	60–9	5.2,4.9b		
GCMT	V	24 16 44 54.3–.30	9.01S–.02	112.02E–.02	63–3	5.1W,4.9b		
KLM	V	24 16 45 09	8.52S	112.08E	204	5.7b,4.9b		

ISC Event type se.
MOS Error ellipse: s-maj=10.1km s-min=6.5km az=124.9.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=1.4km az=180.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=12.2km s-min=8.8km az=78.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s31,c37; s91,c128;Duration: 0 Moment tensor: Scale 10^16Nm; Mrr-3.09±.32 Mθθ2.42±.21; Mφφ0.67±.24; Mrθ4.27±.15; Mθφ1.82±.19; Mφr-0.26±.15; Best double couple: NP1:φs264.00000°,δ72.00000°,λ-71.00000°. NP2:φs36.00000°,δ25.00000°,λ-135.00000°. Principal axes: T 5.2340,Plg25.0000°,Azm340.0000°; N 0.3820,Plg18.0000°,Azm78.0000°; P -5.6160,Plg58.0000°,Azm200.0000° M0 5.42500×10^16

(265) Minahassa Peninsula, Sulawesi

ISC	**V**	**25 02 39 27.7–.69**	**0.29S–.05**	**122.92E–.06**	**100**	**4.0b**	**26**	**1-120**
IDC	V	25 02 39 27.2–4.2	0.23S	122.92E	94–41	4.0,3.7b		**¶610685330**
DJA	V	25 02 39 28.5–.30	0S–2.0	123E–2.0	80–6	5.6b,5.1		

ISC Event type ke.

(249) Luzon

ISC	**V**	**25 14 27 06.1–.21**	**15.03N–.02**	**120.31E–.03**	**96–1**	**5.3b**	**1417**	**1-172**
NEIC	V	25 14 27 04.8–2.3	15.05N–.05	120.35E–.08	75–4	5.5b,5.3		**¶610654431**
NEIC	V	25 14 27 04.6	15.06N	120.34E	70	5.5b,5.3		
NEIC	V	25 14 27 04.6	15.06N	120.34E	70	5.5b,5.3		
BGR	V	25 14 27 06.0	14.73N	121.26E	99–8	5.6,5.4b		
BJI	V	25 14 27 05.4–.00	15.11N	120.42E	100	5.1b,5.1b		
GCMT	V	25 14 27 05.8–.10	15.09N–.01	120.23E–.01	92–0	5.4W,5.1b		
MAN	V	25 14 27 05.1	15.08N	120.06E	83	5.9b,5.4s		
MOS	V	25 14 27 06.0–.80	15.04N	120.36E	109	5.4b,4.6s		
DJA	V	25 14 27 07.1–.40	15N–2.0	120E–2.0	105–4	6.1,5.8b		
IDC	V	25 14 27 07.1–.38	15.10N	120.36E	104–4	5.3,5.0b		
KLM	V	25 14 27 09	14.99N	120.24E	102	5.6b,5.0b		

ISC Event type fe.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=7.6km az=79.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution.Duration: 2s4 Moment tensor: Scale 10^17Nm; Mrr-0.60 Mθθ1.35 Mφφ-0.75 Mrθ0.04 Mθφ0.22 Mφr-0.41 NP1:φs46.23000°,δ63.70000°,λ-150.06000°. NP2:φs301.92000°,δ63.42000°,λ-29.69000°. Principal axes: T 1.3774,Plg0.0000°,Azm174.0000°; N -0.2669,Plg51.0000°,Azm84.0000°; P -1.1105,Plg39.0000°,Azm264.0000° M0 1.24000×10^17
NEIC Event type se.
BGR Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s117,c182; s132,c252;Duration: 1s2 Moment tensor: Scale 10^17Nm; Mrr-0.48±.02 Mθθ1.57±.02; Mφφ-1.08±.02; Mrθ-0.08±.01; Mθφ0.31±.02; Mφr-0.49±.01; Best double couple: NP1:φs42.00000°,δ73.00000°,λ-156.00000°. NP2:φs305.00000°,δ67.00000°,λ-18.00000°. Principal axes: T 1.6150,Plg4.0000°,Azm173.0000°; N -0.2320,Plg61.0000°,Azm76.0000°; P -1.3780,Plg29.0000°,Azm265.0000° M0 1.49700×10^17
MAN Event type fe. INTENSITY IV - SAN MARCELINO SAN FELIPE IBA SANTA CRUZ CABANGAN AND CASTILLEJOS ZAMBALES;; LINGAYEN PANGASINAN; DINALUPIHAN & ABUCAY BATAAN; QUEZON CITY; PATEROS; MALOLOS BULACAN;; OBANDO BULACAN; OLONGAPO CITY; INTENSITY III - TAGAYTAY CITY; GAPAN CITY; BOTOLAN PALAUIG & SUBIC ZAMBALES; TALISAY BATANGAS;; SAN JOSE DEL MONTE & MARILAO BULACAN; PASAY CITY; MAKATI CITY; MANDALUYONG; MANILA CITY;; MARIKINA CITY; PARANAQUE CITY; TAGUIG CITY; CALOOCAN CITY; PASIG CITY; VALENZUELA CITY;; SAN MIGUEL TARLAC; BONGABON & ALIAGA NUEVA CIJA; INTENSITY II - PALAYAN CITY; BACOOR CAVITE; CALUMPIT BULACAN; SAN JACINTO PANGASINAN;; CABANATUAN CITY; LUCBAN QUEZON.
MOS Error ellipse: s-maj=6.3km s-min=3.2km az=118.0.
IDC Error ellipse: s-maj=10.5km s-min=6.1km az=67.0.

(145) Southern Chile-Argentina border region

ISC	**V**	**29 14 57 55.4–.21**	**37.28S–.02**	**71.80W–.03**	**95–1**	**5.7b**	**1458**	**1-177**
NEIC	V	29 14 57 53.9	37.34S	71.69W	80	5.7b		**¶610655584**
NEIC	V	29 14 57 53.8	37.34S	71.69W	80	5.7b		
NEIC	V	29 14 57 53.9–1.7	37.35S–.05	71.69W–.09	81–3	5.9,5.9		
NEIC	V	29 14 57 53.9	37.34S	71.69W	80	5.9,5.9		
MOS	V	29 14 57 54.2–1.1	37.24S	71.57W	98	5.7b,5.9		
GUC	V	29 14 57 54.8–.67	37.35S	71.78W	84–10	5.9L,5.9		
IDC	V	29 14 57 55.7–.31	37.24S	71.61W	95–2	5.4,5.1s		
GCMT	V	29 14 57 58.9–.20	37.38S–.01	71.87W–.01	98–1	5.9W,5.1s		

ISC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 4s4 Moment tensor: Scale 10^17Nm; Mrr-3.57 Mθθ1.99 Mφφ1.58 Mrθ-1.35 Mθφ4.94 Mφr-5.20 NP1:φs17.43000°,δ72.88000°,λ-121.26000°. NP2:φs261.57000°,δ35.22000°,λ-30.69000°. Principal axes: T 8.5518,Plg22.0000°,Azm131.0000°; N -1.4564,Plg30.0000°,Azm28.0000°; P -7.0954,Plg52.0000°,Azm251.0000° M0 7.82000×10^17
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^17Nm; Mrr-2.36 Mθθ1.11 Mφφ1.25 Mrθ-2.14 Mθφ4.71 Mφr-5.91 NP1:φs15.46000°,δ78.62000°,λ-118.89000°. NP2:φs265.78000°,δ30.87000°,λ-22.62000°. Principal axes: T 8.9271,Plg28.0000°,Azm128.0000°; N -2.0032,Plg28.0000°,Azm22.0000°; P -6.9239,Plg48.0000°,Azm255.0000° M0 8.11000×10^17
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s79,c120; s136,c285;Duration: 2s2 Moment tensor: Scale 10^18Nm; Mrr-0.33±.02 Mθθ0.19±.02; Mφφ0.13±.02; Mrθ-0.09±.01; Mθφ0.54±.01; Mφr-0.74±.01; Best double couple: NP1:φs12.00000°,δ78.00000°,λ-122.00000°. NP2:φs263.00000°,δ34.00000°,λ-22.00000°. Principal axes: T 0.9920,Plg26.0000°,Azm127.0000°; N -0.0530,Plg31.0000°,Azm19.0000°; P -0.9380,Plg47.0000°,Azm249.0000° M0 0.96500×10^18

(14) Kenai Peninsula

ISC	**V**	**30 02 18 44.8–.19**	**60.87N–.02**	**151.93W–.02**	**90–1**	**5.5b**	**2147**	**0-169**
BJI	V	30 02 18 40.5–.00	60.79N	151.75W	80	5.4b,5.1b		**¶610655713**
MOS	V	30 02 18 43.6–.77	60.95N	151.95W	88	5.5b,4.1s		
NEIC	V	30 02 18 44.9–1.8	60.85N–.03	151.96W–.08	86–2	5.5b,4.1s		
AEIC	V	30 02 18 46.0–1.8	60.84N–.03	151.83W–.07	78–3	5.5L,5.5b		
IDC	V	30 02 18 45.5–.37	60.96N	152.03W	91–2	5.3,5.0b		
NEIC	V	30 02 18 45.3	60.80N	151.71W	75	5.3,5.0b		
BGR	V	30 02 18 45.5	60.96N	151.58W	89–4	5.8,5.7b		
NEIC	V	30 02 18 46	60.84N	151.83W	80	5.8,5.7b		
GCMT	V	30 02 18 46.0–.10	60.92N–.01	151.76W–.02	96–1	5.2W,5.7b		

NEIC V 30 02 18 46 60.84N 152.03W 80 5.2W,5.7b
ISC Event type ke.
MOS Error ellipse: s-maj=8.5km s-min=3.1km az=90.2.
NEIC Event type se. Error ellipse: s-maj=5.6km s-min=4.5km az=115.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-5.76 $M_{\theta\theta}$0.68 $M_{\phi\phi}$5.08 $M_{r\theta}$1.26 $M_{\theta\phi}$-0.66 $M_{\phi r}$6.43 NP1:ϕ_s185.89000°,δ70.34000°,λ-81.70000°. NP2:ϕ_s342.46000°,δ21.28000°,λ-112.00000°. Principal axes: T 8.0709,Plg25.0000°,Azm269.0000°; N 0.8878,Plg8.0000°,Azm3.0000°; P -8.9587,Plg64.0000°,Azm109.0000° $M_0$8.55000$\times 10^{16}$
AEIC Event type se. Error ellipse: s-maj=5.4km s-min=4.4km az=113.0. hypocenter. manual.
IDC Error ellipse: s-maj=9.7km s-min=6.4km az=23.0.
NEIC Event type se.
BGR Event type ke.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s122,c174; s142,c251;Duration: 1s0 Moment tensor: Scale 10^{16}Nm; M_{rr}-5.92±.11 $M_{\theta\theta}$-0.63±.13; $M_{\phi\phi}$6.56±.14; $M_{r\theta}$1.15±.10; $M_{\theta\phi}$0.19±.13; $M_{\phi r}$4.35±.09; Best double couple: NP1:ϕ_s190.00000°,δ63.00000°,λ-82.00000°. NP2:ϕ_s352.00000°,δ28.00000°,λ-106.00000°. Principal axes: T 7.9590,Plg18.0000°,Azm274.0000°; N -0.5040,Plg7.0000°,Azm6.0000°; P -7.4460,Plg71.0000°,Azm117.0000° $M_0$7.70200$\times 10^{16}$
NEIC Event type se. Moment Tensor Solution.Duration: 1s1.0 Moment tensor: Scale 10^{16}Nm; M_{rr}-6.82 $M_{\theta\theta}$0.68 $M_{\phi\phi}$6.14 $M_{r\theta}$1.22 $M_{\theta\phi}$-0.37 $M_{\phi r}$3.31 NP1:ϕ_s186.46000°,δ59.01000°,λ-80.15000°. NP2:ϕ_s347.83000°,δ32.37000°,λ-105.89000°. Principal axes: T 6.9413,Plg13.0000°,Azm269.0000°; N 0.8679,Plg8.0000°,Azm1.0000°; P -7.8092,Plg74.0000°,Azm123.0000° $M_0$7.38000$\times 10^{16}$

(274) Southern Sumatera
ISC V 30 08 28 21.0–.26 5.45S–.03 102.83E–.03 67–1 5.2b 791 1-170
KLM V 30 08 28 18 5.75S 102.55E 54 5.5b **¶616345659**
NEIC V 30 08 28 19.4–1.9 5.54S–.05 102.75E–.07 47–5 5.3b
BJI V 30 08 28 19.0–.00 5.40S 102.80E 70 5.2b,5.0b
DJA V 30 08 28 19.4–.20 6S–2.0 103E–2.0 59–2 5.8b,5.7
MOS V 30 08 28 21.7–1.0 5.31S 102.97E 45 5.2b,5.7
IDC V 30 08 28 21.9–.50 5.37S 102.92E 71–3 5.0,4.7b
GCMT V 30 08 28 22.4–.20 5.47S–.01 102.73E–.01 79–1 5.1W,4.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s71,c89; s110,c156;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.97±.13 $M_{\theta\theta}$-1.13±.14; $M_{\phi\phi}$-0.83±.15; $M_{r\theta}$0.33±.09; $M_{\theta\phi}$-4.40±.10; $M_{\phi r}$-2.85±.08; Best double couple: NP1:ϕ_s188.00000°,δ75.00000°,λ38.00000°. NP2:ϕ_s86.00000°,δ53.00000°,λ161.00000°. Principal axes: T 5.1870,Plg38.0000°,Azm53.0000°; N 0.6250,Plg49.0000°,Azm206.0000°; P -5.8080,Plg14.0000°,Azm313.0000° $M_0$5.49800$\times 10^{16}$

(153) South Sandwich Islands region
ISC V 30 11 29 52.7–.30 58.62S–.04 26.24W–.05 92–2 5.5b 828 7-174
MOS V 30 11 29 47.1–.86 58.55S 26.10W 78 5.7b **¶610655790**
NEIC V 30 11 29 51.5 58.62S 26.09W 80 5.7b
NEIC V 30 11 29 51 58.63S 26.09W 70 5.7b
NEIC V 30 11 29 51.5 58.12S 24.75W 80 5.7b
NEIC V 30 11 29 51.8–1.7 58.63S–.08 26.2W–.20 76–1 5.7,5.7
BJI V 30 11 29 52.1–.00 58.60S 26.10W 98 5.3b,5.7
IDC V 30 11 29 52.7–.66 58.60S 26.16W 89–5 5.3,5.0b
GCMT V 30 11 29 54.8–.10 58.93S–.01 25.56W–.01 93–0 5.7W,5.0b
ISC Event type se.
NEIC Event type se.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 3s6 Moment tensor: Scale 10^{17}Nm; M_{rr}1.47 $M_{\theta\theta}$-0.06 $M_{\phi\phi}$-1.41 $M_{r\theta}$0.14 $M_{\theta\phi}$-1.77 $M_{\phi r}$-3.05 NP1:ϕ_s182.87000°,δ76.90000°,λ63.29000°. NP2:ϕ_s68.62000°,δ29.53000°,λ152.62000°. Principal axes: T 3.7251,Plg51.0000°,Azm63.0000°; N 0.1652,Plg26.0000°,Azm189.0000°; P -3.8902,Plg27.0000°,Azm294.0000° $M_0$3.81000$\times 10^{17}$
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}2.00 $M_{\theta\theta}$-0.67 $M_{\phi\phi}$-1.32 $M_{r\theta}$-0.75 $M_{\theta\phi}$-2.18 $M_{\phi r}$-3.48 NP1:ϕ_s195.42000°,δ74.51000°,λ67.89000°. NP2:ϕ_s72.09000°,δ26.78000°,λ143.63000°. Principal axes: T 4.2540,Plg55.0000°,Azm78.0000°; N 0.5078,Plg21.0000°,Azm202.0000°; P -4.7619,Plg26.0000°,Azm303.0000° $M_0$4.53000$\times 10^{17}$
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s148,c287; s156,c298;Duration: 1s7 Moment tensor: Scale 10^{17}Nm; M_{rr}1.71±.03 $M_{\theta\theta}$-1.10±.04; $M_{\phi\phi}$-0.60±.04; $M_{r\theta}$-0.50±.03; $M_{\theta\phi}$-1.93±.04; $M_{\phi r}$-3.07±.03; Best double couple: NP1:ϕ_s197.00000°,δ75.00000°,λ63.00000°. NP2:ϕ_s81.00000°,δ30.00000°,λ150.00000°. Principal axes: T 3.9370,Plg52.0000°,Azm76.0000°; N 0.0400,Plg26.0000°,Azm204.0000°; P -3.9760,Plg26.0000°,Azm308.0000° $M_0$3.95600$\times 10^{17}$

(215) Mariana Islands region
ISC V 31 06 29 32.5–.22 19.09N–.03 145.83E–.03 134–1 5.6b 1656 6-166
BJI V 31 06 29 29.7–.00 19.31N 145.91E 119 5.2b,4.9b **¶611834019**
NEIC V 31 06 29 31.5–2.1 19.08N–.07 145.84E–.09 118–4 5.6b,5.5
KLM V 31 06 29 31 19.21N 146.21E 122 5.6b,5.5
NEIC V 31 06 29 32.3 19.10N 145.85E 120 5.6b,5.5
NEIC V 31 06 29 32.3 19.00N 146.49E 120 5.6b,5.5
GCMT V 31 06 29 33.5–.10 19.10N–.01 146.06E–.01 123–1 5.5W,5.5
IDC V 31 06 29 33.4–.97 19.05N 145.80E 145–8 5.4,5.0b
MOS V 31 06 29 33.3–.93 19.09N 145.68E 153 5.4b,5.0b
DJA V 31 06 29 33.9–1.1 19N–4.0 146E–4.0 144–9 6.2,6.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2s7 Moment tensor: Scale 10^{17}Nm; M_{rr}0.03 $M_{\theta\theta}$0.72 $M_{\phi\phi}$-0.75 $M_{r\theta}$-1.29 $M_{\theta\phi}$-0.11 $M_{\phi r}$1.82 NP1:ϕ_s323.56000°,δ89.06000°,λ71.89000°. NP2:ϕ_s230.68000°,δ18.13000°,λ176.97000°. Principal axes: T 2.2919,Plg43.0000°,Azm216.0000°; N 0.1143,Plg18.0000°,Azm324.0000°; P -2.4062,Plg41.0000°,Azm71.0000° $M_0$2.35000$\times 10^{17}$
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s139,c244; s148,c293;Duration: 1s4 Moment tensor: Scale 10^{17}Nm; M_{rr}0.14±.03 $M_{\theta\theta}$0.43±.03; $M_{\phi\phi}$-0.56±.03; $M_{r\theta}$-1.40±.02; $M_{\theta\phi}$-0.38±.03; $M_{\phi r}$1.93±.02; Best double couple: NP1:ϕ_s326.00000°,δ90.00000°,λ76.00000°. NP2:ϕ_s235.00000°,δ14.00000°,λ178.00000°. Principal axes: T 2.5840,Plg44.0000°,Azm222.0000°; N -0.2510,Plg14.0000°,Azm326.0000°; P -2.3330,Plg43.0000°,Azm70.0000° $M_0$2.45800$\times 10^{17}$

(277) Jawa
ISC VI 01 09 21 42.0–1.2 8.6S–.10 111.40E–.05 100 3.0b 22 1-61
IDC VI 01 09 21 25.2–3.2 7.84S 111.50E 0 3.5s,3.4 **¶610791049**
DJA VI 01 09 21 41.8–.40 8S–8.0 111E–2.0 126–5 5.6b,5.1
ISC Event type ke.

(280) Banda Sea
ISC VI 01 22 54 24.2–.39 7.69S–.04 129.25E–.05 100 4.5b 130 2-151
IDC VI 01 22 54 11.7–.84 7.31S 129.36E 0 5.0L,4.4 **¶610659581**
NEIC VI 01 22 54 24.7–2.8 7.52S–.07 129.34E–.07 109–6 4.7b,4.4
DJA VI 01 22 54 25.5–.20 8S–2.0 129E–2.0 117–4 5.5b,5.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(200) Near north coast of New Guinea
ISC VI 02 23 48 17.4–.20 4.82S–.03 145.19E–.03 198–1 5.9b 1836 5-160
BJI VI 02 23 48 14.7–.00 4.78S 145.65E 205 6.0b,5.9b **¶611834027**
NEIC VI 02 23 48 16.6 4.71S 145.14E 210 6.0b,5.9b
MOS VI 02 23 48 16.3–.84 4.70S 145.16E 195 6.0b,5.9s
NEIC VI 02 23 48 16.6 4.81S 144.84E 210 6.0b,5.9s
DJA VI 02 23 48 17.6–.40 5S–3.0 145E–3.0 192–4 6.2b,6.2
NEIC VI 02 23 48 17.9–1.3 4.74S–.08 145.14E–.07 193–4 5.9,5.9b
IDC VI 02 23 48 18.7–1.1 4.76S 145.19E 208–10 6.0,5.4b
GCMT VI 02 23 48 18.9–.30 4.74S–.02 145.18E–.02 214–2 6.0W,5.4b
KLM VI 02 23 48 20 4.79S 145.17E 223 5.9b,5.4b
ISC Event type se.
NEIC Event type se.
MOS Error ellipse: s-maj=7.6km s-min=4.6km az=110.7.
NEIC Event type se. Moment Tensor Solution.Duration: 4s4 Moment tensor: Scale 10^{17}Nm; M_{rr}-5.19 $M_{\theta\theta}$8.04 $M_{\phi\phi}$-2.85 $M_{r\theta}$1.32 $M_{\theta\phi}$-5.00 $M_{\phi r}$-4.14 NP1:ϕ_s323.99000°,δ66.57000°,λ-45.28000°. NP2:ϕ_s75.87000°,δ49.31000°,λ-148.37000°. Principal axes: T 10.4892,Plg10.0000°,Azm24.0000°; N -1.8901,Plg40.0000°,Azm122.0000°; P -8.5991,Plg48.0000°,Azm282.0000° $M_0$9.54000$\times 10^{17}$
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=9.4km az=176.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=7.7km s-min=5.4km az=81.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s34,c38; s133,c235;Duration: 2s4 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.87±.03 $M_{\theta\theta}$1.00±.03; $M_{\phi\phi}$-0.13±.03; $M_{r\theta}$-0.04±.03; $M_{\theta\phi}$-0.65±.03; $M_{\phi r}$-0.50±.03; Best double couple: NP1:ϕ_s322.00000°,δ57.00000°,λ-51.00000°. NP2:ϕ_s86.00000°,δ49.00000°,λ-135.00000°. Principal axes: T 1.3070,Plg5.0000°,Azm26.0000°; N -0.1350,Plg32.0000°,Azm119.0000°; P -1.1740,Plg58.0000°,Azm288.0000° $M_0$1.24100$\times 10^{18}$

(124) Chile-Bolivia border region
ISC VI 03 22 21 44.7–.28 21.86S–.03 68.63W–.04 105–2 5.1b 847 1-170
MOS VI 03 22 21 42.1–1.4 21.78S 68.51W 90 5.1b **¶612739187**
IDC VI 03 22 21 43.6–.50 21.84S 68.52W 93–5 4.8,4.4b
SJA VI 03 22 21 43.3–.98 21.95S 68.79W 120–8 5.0L,4.8W
GUC VI 03 22 21 44.5–.75 21.87S 68.77W 120–5 5.2L,4.8W
VAO VI 03 22 21 44.3–.27 21.83S 68.48W 97 5.5b,4.8W
NEIC VI 03 22 21 44.5 21.90S 68.73W 100 5.5b,4.8W
NEIC VI 03 22 21 44.4 21.89S 68.60W 97 5.5b,4.8W
NEIC VI 03 22 21 44.5 21.90S 68.62W 100 5.5b,4.8W
NEIC VI 03 22 21 45.1–1.7 21.90S–.03 68.69W–.05 105–4 5.2,5.1
GCMT VI 03 22 21 50.1–.30 21.79S–.02 68.72W–.02 133–3 5.1W,5.1
ISC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 1s8 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.03 $M_{\theta\theta}$-0.99 $M_{\phi\phi}$4.02 $M_{r\theta}$-1.54 $M_{\theta\phi}$-1.65 $M_{\phi r}$-2.48 NP1:ϕ_s12.12000°,δ66.18000°,λ-56.64000°. NP2:ϕ_s133.65000°,δ40.18000°,λ-141.24000°. Principal axes: T 5.0305,Plg15.0000°,Azm78.0000°; N -0.1729,Plg30.0000°,Azm177.0000°; P -4.8575,Plg56.0000°,Azm326.0000° $M_0$4.94000$\times 10^{16}$
NEIC Event type se.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-1.25 $M_{\theta\theta}$-0.29 $M_{\phi\phi}$1.53 $M_{r\theta}$-0.83 $M_{\theta\phi}$-0.14 $M_{\phi r}$-3.39 NP1:ϕ_s12.68000°,δ79.69000°,λ-82.05000°. NP2:ϕ_s154.73000°,δ12.99000°,λ-127.23000°. Principal axes: T 3.8360,Plg34.0000°,Azm96.0000°; N -0.1408,Plg8.0000°,Azm191.0000°; P -3.6952,Plg55.0000°,Azm292.0000° $M_0$3.77000$\times 10^{16}$
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s29,c30; s110,c152;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.34±.16 $M_{\theta\theta}$-1.98±.17; $M_{\phi\phi}$4.32±.22; $M_{r\theta}$-0.58±.09; $M_{\theta\phi}$-1.43±.16; $M_{\phi r}$-4.12±.14; Best double couple: NP1:ϕ_s11.00000°,δ74.00000°,λ-65.00000°. NP2:ϕ_s133.00000°,δ29.00000°,λ-145.00000°. Principal axes: T 6.4180,Plg25.0000°,Azm82.0000°; N -1.6320,Plg24.0000°,Azm184.0000°; P -4.7860,Plg55.0000°,Azm312.0000° $M_0$5.60200$\times 10^{16}$

(706) Northern Sumatera
ISC VI 05 14 46 08.8–.58 0.33N–.06 99.46E–.05 100 4.3b 49 1-143
NEIC VI 05 14 46 10.0–1.4 0.31N–.07 99.53E–.07 106–6 4.6b **¶610791286**
DJA VI 05 14 46 10.1–.30 0N–3.0 99E–3.0 104–5 5.7b,5.3
IDC VI 05 14 46 16.9–12 0.94N 100.49E 152–103 4.2,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=7.2km az=224.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=122.4km s-min=14.3km az=59.0.

(123) Northern Chile
ISC VI 06 17 35 09.3–.23 22.94S–.02 68.72W–.03 103–1 5.5b 1056 0-175
MOS VI 06 17 35 07.5–1.6 22.94S 68.60W 95 5.3b **¶610664203**
NEIC VI 06 17 35 08.0–2.5 22.94S–.04 68.60W–.07 93–3 5.5b,5.4
SJA VI 06 17 35 08.0–.68 22.99S 68.75W 110–3 5.4L,5.1W
IDC VI 06 17 35 09.8–.32 22.77S 68.63W 98–2 5.0,4.7b
NEIC VI 06 17 35 10 22.84S 68.86W 80 5.0,4.7b
GUC VI 06 17 35 10.9–.84 22.93S 68.76W 98–4 5.5L,4.7b
VAO VI 06 17 35 10.0–.34 22.86S 68.58W 116 5.7b,4.7b
NEIC VI 06 17 35 10 22.94S 68.86W 80 5.7b,4.7b
NEIC VI 06 17 35 10 22.94S 68.86W 116 5.7b,4.7b
BJI VI 06 17 35 11.0–.00 23.10S 68.80W 116 4.9b,4.7b
GCMT VI 06 17 35 15.0–.20 22.74S–.01 68.84W–.01 123–1 5.4W,4.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.54 $M_{\theta\theta}$-0.34 $M_{\phi\phi}$0.88 $M_{r\theta}$-0.32 $M_{\theta\phi}$-0.48 $M_{\phi r}$-0.71 NP1:ϕ_s13.74000°,δ72.63000°,λ-52.73000°. NP2:ϕ_s125.16000°,δ40.58000°,λ-152.68000°. Principal axes: T 1.2409,Plg19.0000°,Azm77.0000°; N -0.0982,Plg35.0000°,Azm181.0000°; P -1.1426,Plg48.0000°,Azm324.0000° $M_0$1.19000$\times 10^{17}$
NEIC Event type se. Moment Tensor Solution.Duration: 2s3 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.41 $M_{\theta\theta}$-0.46 $M_{\phi\phi}$0.87 $M_{r\theta}$-0.31 $M_{\theta\phi}$-0.69 $M_{\phi r}$-0.39 NP1:ϕ_s16.17000°,δ72.95000°,λ-32.67000°. NP2:ϕ_s116.82000°,δ58.93000°,λ-159.98000°. Principal axes: T 1.2002,Plg9.0000°,Azm69.0000°; N -0.1411,Plg54.0000°,Azm172.0000°; P -1.0591,Plg35.0000°,Azm333.0000° $M_0$1.13000$\times 10^{17}$
NEIC Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s87,c106; s118,c191;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.39±.02 $M_{\theta\theta}$-0.69±.03; $M_{\phi\phi}$1.08±.03; $M_{r\theta}$-0.29±.01; $M_{\theta\phi}$-0.81±.02; $M_{\phi r}$-0.52±.02; Best double couple: NP1:ϕ_s20.00000°,δ79.00000°,λ-30.00000°. NP2:ϕ_s116.00000°,δ60.00000°,λ-167.00000°. Principal axes: T 1.4730,Plg12.0000°,Azm71.0000°; N -0.2110,Plg58.0000°,Azm181.0000°; P -1.2600,Plg29.0000°,Azm334.0000° $M_0$1.36600$\times 10^{17}$

(111) Northern Peru
ISC VI 08 14 01 11.5–.30 8.05S–.03 75.77W–.04 133–2 5.4b 1221 3-168
MOS VI 08 14 01 08.1–.98 7.95S 75.84W 108 5.3b **¶616984064**
IDC VI 08 14 01 09.9–.85 8.02S 75.88W 118–7 5.3,5.0b
NEIC VI 08 14 01 10.0–2.2 8.00S–.04 75.86W–.07 109–3 5.4b,5.2
VAO VI 08 14 01 10.8–.24 8.00S 75.73W 124 5.6b,5.2
NEIC VI 08 14 01 10 8.00S 75.86W 110 5.6b,5.2
NEIC VI 08 14 01 10 8.10S 75.66W 110 5.6b,5.2
GCMT VI 08 14 01 13.0–.20 7.99S–.01 75.74W–.01 137–1 5.3W,5.2
BGR VI 08 14 01 22.9 5.88S 73.62W 99–0 5.3b,5.2
ISC Event type ke.
MOS Error ellipse: s-maj=10.5km s-min=5.7km az=100.0.
IDC Error ellipse: s-maj=10.5km s-min=6.6km az=63.0.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=6.1km az=95.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Error ellipse: s-maj=2.7km s-min=3.5km az=-1.0.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2s0 Moment tensor: Scale 10^{16}Nm; M_{rr}-6.91 $M_{\theta\theta}$0.29 $M_{\phi\phi}$6.62 $M_{r\theta}$-0.56 $M_{\theta\phi}$-1.59 $M_{\phi r}$2.90 NP1:ϕ_s167.60000°,δ56.50000°,λ-88.95000°. NP2:ϕ_s345.70000°,δ33.52000°,λ-91.59000°. Principal axes: T 7.5949,Plg11.0000°,Azm257.0000°; N -0.0803,Plg1.0000°,Azm347.0000°; P -7.5146,Plg78.0000°,Azm81.0000° $M_0$7.55000$\times 10^{16}$
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s103,c139; s139,c226;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.81±.01 $M_{\theta\theta}$-0.12±.02; $M_{\phi\phi}$0.92±.02; $M_{r\theta}$-0.23±.01; $M_{\theta\phi}$-0.02±.02; $M_{\phi r}$0.39±.01; Best double couple: NP1:ϕ_s165.00000°,δ59.00000°,λ-106.00000°. NP2:ϕ_s14.00000°,δ35.00000°,λ-66.00000°. Principal axes: T 1.0160,Plg12.0000°,Azm266.0000°; N -0.0620,Plg14.0000°,Azm173.0000°; P -0.9540,Plg71.0000°,Azm37.0000° $M_0$0.98500$\times 10^{17}$
BGR Event type ke.

(717) Afghanistan-Tajikistan border region
ISC VI 12 13 54 25.2–.31 36.39N–.04 71.23E–.04 70 4.6b 491 3-150
IDC VI 12 13 54 21.0–2.6 36.17N 71.29E 40–23 4.6,4.4L **¶610670976**
MOS VI 12 13 54 24.0–.97 36.39N 71.33E 73 4.9b,4.4L
NEIC VI 12 13 54 26.0–1.4 36.36N–.02 71.22E–.07 78–6 4.6b,4.4L
BJI VI 12 13 54 26.3–.00 36.51N 71.24E 89 5.5b,4.6b
NNC VI 12 13 54 29.9–4.1 36.80N 71.19E 109–34 4.6,4.2b

ISC Event type se.
IDC Error ellipse: s-maj=15.2km s-min=10.7km az=11.0.
MOS Error ellipse: s-maj=6.3km s-min=3.4km az=80.1.
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=1.6km az=106.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=37.1km s-min=21.6km az=32.0.

(280) Banda Sea

ISC	**VI**	**14 04 12 23.8–.50**	**4.13S–.05**	**129.54E–.05**	**150**	**3.9b**	**68**	**1-149**
DJA	VI	14 04 12 23.7–.30	4S–2.0	130E–2.0	142–4	5.7b,5.3	¶610791824	
NEIC	VI	14 04 12 24.0–1.3	4.2S–.10	129.5E–.10	139–10	4.4b,5.3		
IDC	VI	14 04 12 25.4–3.0	4.11S	129.70E	158–28	4.2,3.6b		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.6km s-min=16.6km az=93.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=45.3km s-min=13.9km az=76.0.

(62) Mexico-Guatemala border region

ISC	**VI**	**14 07 29 03.8–.19**	**14.95N–.02**	**91.94W–.02**	**104–1**	**6.3b**	**3678**	**0-162**
IDC	VI	14 07 29 01.7–.76	15.12N	91.72W	81–5	6.3s,6.0	¶616639690	
BGR	VI	14 07 29 01.0	14.87N	90.03W	100	6.9,6.6s		
INET	VI	14 07 29 03.8–1.4	14.93N	92.19W	111–32	6.5W,6.6s		
MOS	VI	14 07 29 03.6–.98	15.03N	91.82W	108	6.5s,6.2b		
BJI	VI	14 07 29 03.1–.00	15.11N	91.80W	100	6.4b,6.2b		
MEX	VI	14 07 29 04.6–2.6	14.73N	92.32W	107–24	7.0,6.2b		
NEIC	VI	14 07 29 04.4–4.3	14.91N–.02	92.01W–.04	93–2	6.9,6.9		
GCG	VI	14 07 29 04.5–2.0	14.99N	91.94W	115	6.9,6.9		
NEIC	VI	14 07 29 05.6	14.92N	92.05W	94	6.9,6.9		
SNET	VI	14 07 29 06.6–1.3	14.99N	91.85W	112	6.9L,6.9		
NEIC	VI	14 07 29 06.7	15.02N	91.93W	80	6.9L,6.9		
NEIC	VI	14 07 29 06.7	15.02N	91.93W	80	6.9L,6.9		
GCMT	VI	14 07 29 07.7–.00	14.92N	92.17W	73–0	7.0W,6.9		

ISC Event type ke.
IDC Error ellipse: s-maj=10.3km s-min=5.9km az=47.0.
BGR Event type ke.
INET Error ellipse: s-maj=16.5km s-min=45.7km az=-1.0.
MOS Error ellipse: s-maj=6.8km s-min=4.8km az=98.4.
MEX Error ellipse: s-maj=15.8km s-min=9.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=6.7km s-min=3.4km az=63.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{19}Nm; Mrr-0.73 Mθθ0.43 Mφφ0.31 Mrθ1.96 Mθφ-0.79 Mφr-1.51 NP1:φs307.56000°,δ79.61000°,λ-93.08000°. NP2:φs144.18000°,δ10.83000°,λ-73.66000°. Principal axes: T 2.8576,Plg35.0000°,Azm40.0000°; N -0.4169,Plg3.0000°,Azm308.0000°; P -2.4408,Plg55.0000°,Azm214.0000° $M_0$2.67000×10^{19}
GCG Error ellipse: s-maj=79.3km s-min=42.4km az=-1.0.
NEIC Event type se.
SNET Error ellipse: s-maj=14.2km s-min=11.7km az=-1.0.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 14^{s}1 Moment tensor: Scale 10^{19}Nm; Mrr-1.35 Mθθ0.69 Mφφ0.65 Mrθ1.90 Mθφ-1.13 Mφr-1.66 NP1:φs311.36000°,δ74.05000°,λ-92.33000°. NP2:φs139.79000°,δ16.12000°,λ-81.90000°. Principal axes: T 3.1936,Plg29.0000°,Azm43.0000°; N -0.4474,Plg2.0000°,Azm312.0000°; P -2.7462,Plg61.0000°,Azm218.0000° $M_0$2.97000×10^{19}
GCMT nsta1 refers to body waves, cutoff=50s. nsta2 refers to surface/mantle waves, cutoff=125s. Triangular moment-rate function. Moment Tensor Solution. s168,c473; s166,c813; Duration: 7^{s}3 Moment tensor: Scale 10^{19}Nm; Mrr-1.48±.01 Mθθ0.84±.01; Mφφ0.63±.01; Mrθ2.25±.01; Mθφ-1.10±.01; Mφr-1.83±.01; Best double couple: NP1:φs309.00000°,δ75.00000°,λ-92.00000°. NP2:φs137.00000°,δ15.00000°,λ-83.00000°. Principal axes: T 3.5220,Plg30.0000°,Azm41.0000°; N -0.3620,Plg2.0000°,Azm310.0000°; P -3.1640,Plg60.0000°,Azm217.0000° $M_0$3.34300×10^{19}

(248) Philippine Islands region

ISC	**VI**	**15 03 11 07.3–.28**	**19.76N–.03**	**122.50E–.04**	**200–2**	**4.9b**	**1060**	**1-176**
BGR	VI	15 03 10 38.2	18.20N	123.94E	33	5.1b,4.0s	¶611834118	
DJA	VI	15 03 11 05.0–.40	20N–3.0	123E–4.0	171–5	5.6b,5.5		
NEIC	VI	15 03 11 06.4	19.79N	122.54E	190	5.6b,5.5		
KLM	VI	15 03 11 06	19.80N	122.68E	183	5.2b,5.5		
NEIC	VI	15 03 11 06.6–1.5	19.79N–.07	122.50E–.07	187–5	5.1,5.0b		
NEIC	VI	15 03 11 06.4	19.89N	122.43E	190	5.1,5.0b		
MOS	VI	15 03 11 07.2–.90	19.78N	122.57E	215	4.9b,5.0b		
BJI	VI	15 03 11 07.1–.00	19.90N	122.66E	199	4.8b,4.8b		
GCMT	VI	15 03 11 08.6–.20	19.87N–.01	122.50E–.02	189–2	5.2W,4.8b		
MAN	VI	15 03 11 08.6	19.71N	122.57E	167	5.6b,4.8s		
IDC	VI	15 03 11 09.1–.61	19.77N	122.59E	217–5	5.1,4.5b		

ISC Event type ke.
BGR Event type ke.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=9.4km az=128.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution.Duration: 1^{s}9 Moment tensor: Scale 10^{16}Nm; Mrr-0.95 Mθθ2.91 Mφφ-1.96 Mrθ-3.47 Mθφ4.37 Mφr1.59 NP1:φs101.91000°,δ82.13000°,λ-37.21000°. NP2:φs197.84000°,δ53.20000°,λ-170.16000°. Principal axes: T 6.2412,Plg19.0000°,Azm155.0000°; N 0.2086,Plg52.0000°,Azm272.0000°; P -6.4498,Plg31.0000°,Azm53.0000° $M_0$6.35000×10^{16}
MOS Error ellipse: s-maj=6.7km s-min=3.8km az=111.5.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s49,c59; s119,c175;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr-2.79±.16 Mθθ3.50±.18; Mφφ-0.71±.20; Mrθ-3.73±.14; Mθφ5.11±.15; Mφr1.95±.16; Best double couple: NP1:φs94.00000°,δ72.00000°,λ-40.00000°. NP2:φs198.00000°,δ52.00000°,λ-157.00000°. Principal axes: T 7.3730,Plg13.0000°,Azm150.0000°; N -0.0390,Plg47.0000°,Azm254.0000°; P -7.3370,Plg41.0000°,Azm49.0000° $M_0$7.35500×10^{16}
IDC Error ellipse: s-maj=9.5km s-min=7.3km az=85.0.

(259) Mindanao

ISC	**VI**	**16 01 44 15.9–.43**	**8.24N–.03**	**126.72E–.05**	**64–3**	**4.8b**	**457**	**0-163**
MAN	VI	16 01 44 12.5	8.31N	126.81E	17	5.6b,4.9s	¶610675489	
BJI	VI	16 01 44 12.6–.00	8.16N	126.74E	62	4.9b,4.7b		
DJA	VI	16 01 44 15.0–.90	8N–7.0	127E–4.0	49–5	5.4b,5.3		
IDC	VI	16 01 44 17.5–1.3	8.34N	126.60E	80–12	4.6,4.3b		
NEIC	VI	16 01 44 18.5–1.6	8.30N–.07	126.55E–.09	81–6	4.9b,4.3b		

ISC Event type fe.
MAN Event type fe. INTENSITY IV - BISLIG CITY; INTENSITY II - HINATUAN SURIGAO DEL SUR.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(181) Fiji Islands region

ISC	**VI**	**19 09 15 43.9–.26**	**20.78S–.03**	**176.69W–.03**	**271–1**	**5.4b**	**1775**	**5-172**
MOS	VI	19 09 15 39.1–.94	20.63S	176.80W	231	5.5b	¶615092717	
BJI	VI	19 09 15 41.9–.00	20.44S	176.43W	261	5.1b,4.9b		
IDC	VI	19 09 15 43.9–.76	20.77S	176.86W	268–6	5.5,4.9b		
NOU	VI	19 09 15 45.8	20.85S	176.49W	293	5.6L,4.9b		
NEIC	VI	19 09 15 45.1	20.76S	176.51W	274	5.6L,4.9b		
NEIC	VI	19 09 15 45.9	20.73S	176.33W	290	5.6L,4.9b		
NEIC	VI	19 09 15 45.5–2.8	20.75S–.07	176.54W–.08	278–1	5.9,5.9		
NEIC	VI	19 09 15 45.9	20.73S	176.54W	290	5.9,5.9		
GCMT	VI	19 09 15 47.5–.10	20.72S–.01	176.46W–.01	293–0	5.9W,5.9		

ISC Event type se.
NOU Fiji Islands Region.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 4^{s}3 Moment tensor: Scale 10^{17}Nm; Mrr-0.33 Mθθ-7.25 Mφφ7.58 Mrθ-0.97 Mθφ-1.93 Mφr1.22 NP1:φs307.58000°,δ88.12000°,λ168.99000°. NP2:φs37.95000°,δ79.00000°,λ1.92000°. Principal axes: T 8.0390,Plg9.0000°,Azm262.0000°; N -0.4507,Plg79.0000°,Azm118.0000°; P -7.5884,Plg6.0000°,Azm353.0000° $M_0$7.81000×10^{17}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; Mrr-0.06 Mθθ-6.99 Mφφ7.05 Mrθ-2.39 Mθφ-2.57 Mφr2.39 NP1:φs35.73000°,δ66.24000°,λ2.87000°. NP2:φs304.58000°,δ87.37000°,λ156.21000°. Principal axes: T 8.4354,Plg19.0000°,Azm258.0000°; N -0.4800,Plg66.0000°,Azm119.0000°; P -7.9554,Plg15.0000°,Azm353.0000° $M_0$8.21000×10^{17}
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to mantle waves, cutoff=125s. Triangular moment-rate function. Moment Tensor Solution. s152,c309; s94,c106;Duration: 2^{s}1 Moment tensor: Scale 10^{18}Nm; Mrr0.02±.01 Mθθ-0.78±.01; Mφφ0.76±.01; Mrθ-0.19±.01; Mθφ-0.22±.01; Mφr0.20±.01; Best double couple: NP1:φs307.00000°,δ87.00000°,λ161.00000°. NP2:φs38.00000°,δ71.00000°,λ3.00000°. Principal axes: T 0.8550,Plg15.0000°,Azm260.0000°; N -0.0120,Plg71.0000°,Azm118.0000°; P -0.8430,Plg11.0000°,Azm354.0000° $M_0$0.84900×10^{18}

(715) Tajikistan

ISC	**VI**	**21 19 41 07.3–.31**	**38.25N–.03**	**73.44E–.03**	**115–2**	**4.7b**	**802**	**2-152**
NNC	VI	21 19 41 02.1–4.5	38.25N	72.83E	0	5.7b,5.3	¶610690713	
IDC	VI	21 19 41 08.0–2.0	38.33N	73.46E	116–17	4.7,4.3b		
BJI	VI	21 19 41 07.4–.00	38.37N	73.49E	121	4.8b,4.6b		
MOS	VI	21 19 41 07.8–.93	38.39N	73.42E	124	4.8b,4.6b		
NEIC	VI	21 19 41 09–1.7	38.40N–.06	73.38E–.08	123–7	4.7b,4.6b		
SOME	VI	21 19 41 14.5	39.58N	72.75E	0	4.2s,4.6b		

ISC Event type se.
NNC Event type se. Error ellipse: s-maj=40.3km s-min=25.2km az=20.0.
IDC Error ellipse: s-maj=12.8km s-min=7.4km az=3.0.
MOS Error ellipse: s-maj=4.7km s-min=3.0km az=92.8.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=8.3km az=121.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(266) Northern Molucca Sea

ISC	**VI**	**21 22 46 43.0–.47**	**2.79N–.04**	**126.13E–.06**	**100**	**4.4b**	**80**	**1-88**
IDC	VI	21 22 46 31.9–1.0	2.59N	125.57E	0	4.5,4.5b	¶610789235	
DJA	VI	21 22 46 41.5–1.2	3N–3.0	126E–2.0	16–11	5.6b,5.2b		
NEIC	VI	21 22 46 42.7–1.8	2.73N–.06	126.13E–.08	90–8	4.3b,5.2b		
MAN	VI	21 22 46 44.0	2.91N	125.94E	100	5.1b,4.2s		

ISC Event type se.
IDC Error ellipse: s-maj=31.2km s-min=14.4km az=78.0.
NEIC Event type se. Error ellipse: s-maj=13.6km s-min=3.9km az=54.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(221) Kuril Islands

ISC	**VI**	**22 02 41 54.9–.30**	**44.96N–.03**	**149.79E–.03**	**69–2**	**5.4b**	**1580**	**1-152**
BJI	VI	22 02 41 52.1–.00	45.07N	149.80E	59	5.2b,5.1b	¶616640025	
MOS	VI	22 02 41 53.9–1.2	44.97N	149.81E	76	5.8b,4.5s		
SKHL	VI	22 02 41 54.2–.50	44.80N	150.00E	89–5	6.9,6.3b		
IDC	VI	22 02 41 55.6–1.3	45.13N	149.75E	72–10	5.3,4.9b		
NIED	VI	22 02 41 56.0	45.02N	149.69E	30	5.4W,5.2b		
BGR	VI	22 02 41 56.5	45.63N	149.35E	33	5.9b,5.2b		
NEIC	VI	22 02 41 56.1–1.4	45.08N–.08	149.7E–.10	73–5	5.4b,5.2b		
JMA	VI	22 02 41 56.0–.65	45N–2.0	150E–4.0	30	6.2,5.3		
GCMT	VI	22 02 41 58.1–.10	45.06N–.01	149.88E–.01	70–1	5.3W,5.3		

ISC Event type ke.
MOS Event type fe. Felt (III-IV) at Kuril'sk, Reydovo;(III) at Goryachiye Klyuchi, Gornyy; (II) at Yuzhno-Kuril'sk, Goryachiy Plyazh, Malokuril'skoe. Moment Tensor Solution.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{17}Nm; Mrr0.02 Mθθ0.63 Mφφ-0.65 Mrθ0.91 Mθφ-0.08 Mφr0.46 NP1:φs54.00000°,δ90.00000°,λ122.00000°. NP2:φs144.00000°,δ32.00000°,λ0.00000°. $M_0$1.19000×10^{17}
BGR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. SE OFF ETOROFU .
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s105,c172; s128,c239;Duration: 1^{s}1 Moment tensor: Scale 10^{17}Nm; Mrr0.09±.02 Mθθ0.69±.02; Mφφ-0.77±.02; Mrθ0.91±.01; Mθφ-0.22±.02; Mφr0.47±.01; Best double couple: NP1:φs54.00000°,δ87.00000°,λ127.00000°. NP2:φs148.00000°,δ37.00000°,λ5.00000°. Principal axes: T 1.3470,Plg37.0000°,Azm356.0000°; N -0.1530,Plg37.0000°,Azm232.0000°; P -1.1950,Plg32.0000°,Azm114.0000° $M_0$1.27100×10^{17}

(117) Southern Peru

ISC	**VI**	**24 16 09 13.4–.22**	**15.45S–.03**	**73.31W–.04**	**94–1**	**5.8b**	**1489**	**4-175**
MOS	VI	24 16 09 10.7–1.3	15.37S	73.31W	79	6.2b	¶610694580	
VAO	VI	24 16 09 11.9–.26	15.37S	73.13W	69	5.8b		
NEIC	VI	24 16 09 11	15.47S	73.43W	64	5.8b		
NEIC	VI	24 16 09 14.3–2.8	15.41S–.07	73.39W–.08	97–1	5.8,5.8b		
GUC	VI	24 16 09 14.8–.71	16.16S	73.69W	103–12	5.9L,5.8b		
IDC	VI	24 16 09 14.2–.31	15.41S	73.22W	98–2	5.3,4.9b		
NEIC	VI	24 16 09 14.3	15.41S	73.39W	90	5.3,4.9b		
NEIC	VI	24 16 09 14.3	15.51S	73.39W	90	5.3,4.9b		
GCMT	VI	24 16 09 17.3–.10	15.58S–.01	73.42W–.01	109–0	5.8W,4.9b		

ISC Event type se.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; Mrr-3.58 Mθθ-1.95 Mφφ5.53 Mrθ2.86 Mθφ1.13 Mφr-0.91 NP1:φs219.96000°,δ53.21000°,λ-40.01000°. NP2:φs336.65000°,δ59.02000°,λ-135.68000°. Principal axes: T 5.7213,Plg3.0000°,Azm97.0000°; N 0.1924,Plg38.0000°,Azm4.0000°; P -5.9137,Plg52.0000°,Azm191.0000° $M_0$5.82000×10^{17}
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 3^{s}9 Moment tensor: Scale 10^{17}Nm; Mrr-2.94 Mθθ-1.05 Mφφ3.99 Mrθ2.80 Mθφ2.05 Mφr-1.58 NP1:φs346.27000°,δ61.23000°,λ-136.26000°. NP2:φs231.54000°,δ52.70000°,λ-37.24000°. Principal axes: T 4.7707,Plg5.0000°,Azm107.0000°; N 0.8249,Plg39.0000°,Azm13.0000°; P -5.5957,Plg50.0000°,Azm203.0000° $M_0$5.18000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s159,c288; s153,c318;Duration: 2^{s}0 Moment tensor: Scale 10^{17}Nm; Mrr-3.21±.05 Mθθ-2.95±.06; Mφφ6.15±.07; Mrθ2.70±.04; Mθφ2.61±.06; Mφr-0.59±.05; Best double couple: NP1:φs231.00000°,δ62.00000°,λ-34.00000°. NP2:φs339.00000°,δ61.00000°,λ-147.00000°. Principal axes: T 6.8470,Plg1.0000°,Azm285.0000°; N -0.6580,Plg47.0000°,Azm16.0000°; P -6.1990,Plg43.0000°,Azm194.0000° $M_0$6.52300×10^{17}

(717) Afghanistan-Tajikistan border region

ISC	**VI**	**25 23 30 39.2–.23**	**36.43N–.03**	**70.74E–.02**	**208–1**	**5.3b**	**1959**	**2-151**
BGR	VI	25 23 30 38.8	36.32N	71.03E	216–2	5.5b	¶610694749	
MOS	VI	25 23 30 38.7–.93	36.43N	70.78E	211	5.3b		
BJI	VI	25 23 30 39.2–.00	36.52N	70.79E	210	5.3b,4.9b		
NEIC	VI	25 23 30 40.2–1.4	36.44N–.04	70.67E–.06	207–3	5.4b,5.2		
NEIC	VI	25 23 30 40.4	36.42N	70.57E	180	5.4b,5.2		
IDC	VI	25 23 30 40.9–.85	36.43N	70.83E	221–7	5.5,4.9b		
NEIC	VI	25 23 30 40.4	36.42N	70.70E	180	5.5,4.9b		
GCMT	VI	25 23 30 41.2–.10	36.40N–.01	70.54E–.01	212–1	5.3W,4.9b		
NNC	VI	25 23 30 44.2–2.8	36.84N	70.83E	215–24	6.3,5.0b		

ISC Event type ke.
BGR Event type ke.
MOS Error ellipse: s-maj=3.9km s-min=2.9km az=106.6.
NEIC Event type se. Error ellipse: s-maj=8.0km s-min=5.5km az=126.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution.Duration: 2^{s}1 Moment tensor: Scale 10^{16}Nm; Mrr6.23 Mθθ-6.07 Mφφ-0.16 Mrθ4.59 Mθφ0.08 Mφr-0.68 NP1:φs95.28000°,δ63.54000°,λ93.97000°. NP2:φs266.44000°,δ26.73000°,λ82.09000°. Principal axes: T 7.8017,Plg71.0000°,Azm14.0000°; N -0.1954,Plg4.0000°,Azm274.0000°; P -7.6063,Plg18.0000°,Azm182.0000° $M_0$7.70000×10^{16}
IDC Error ellipse: s-maj=6.6km s-min=4.8km az=14.0.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s86,c112; s142,c260;Duration: 1^{s}1 Moment tensor: Scale 10^{17}Nm; Mrr0.95±.02 Mθθ-0.85±.02; Mφφ-0.10±.02; Mrθ0.80±.02; Mθφ0.15±.02; Mφr0.14±.02; Best double couple: NP1:φs88.00000°,δ66.00000°,λ81.00000°. NP2:φs290.00000°,δ26.00000°,λ110.00000°. Principal axes: T 1.2770,Plg68.0000°,Azm340.0000°; N -0.1180,Plg9.0000°,Azm92.0000°; P -1.1590,Plg20.0000°,Azm185.0000° $M_0$1.21800×10^{17}
NNC Event type se. Error ellipse: s-maj=25.4km s-min=18.3km az=14.0.

(267) Halmahera

ISC	**VI**	**27 01 05 03.3–.26**	**2.15N–.03**	**128.27E–.04**	**179–2**	**5.0b**	**1007**	**2-159**
BJI	VI	27 01 05 01.0–.00	2.20N	128.40E	174	5.0b,4.9b	¶610695205	
MOS	VI	27 01 05 02.8–.95	2.19N	128.22E	189	5.0b,4.9b		
IDC	VI	27 01 05 03.5–.49	2.14N	128.25E	184–4	5.0,4.5b		

NEIC VI 27 01 05 03.1–1.5 2.13N–.06 128.33E–.07 173–5 5.0b,4.5b
GCMT VI 27 01 05 03.1–.20 2.26N–.02 128.27E–.02 178–1 5.1W,4.5b
DJA VI 27 01 05 04.0–.20 2N–2.0 128E–2.0 169–2 5.4,5.4b
MAN VI 27 01 05 06.1 2.68N 128.47E 142 5.7b,5.1s
ISC Event type se.
MOS Error ellipse: s-maj=7.8km s-min=4.5km az=115.4.
IDC Error ellipse: s-maj=10.3km s-min=6.0km az=69.0.
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=8.9km az=64.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s60,c72; s123,c185;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr5.09±.14 Mθθ-4.38±.17; Mφφ-0.70±.19; Mrθ1.87±.14; Mθφ-2.19±.16; Mφr2.40±.16; Best double couple: NP1:φs52.00000°,δ60.00000°,λ76.00000°. NP2:φs258.00000°,δ33.00000°,λ113.00000°. Principal axes: T 6.0630,Plg71.0000° ,Azm289.0000°; N 0.0150,Plg12.0000°,Azm59.0000°; P -6.0770,Plg14.0000°,Azm152.0000° M0 6.07000×10^{16}

(280) Banda Sea
ISC VI 28 02 54 49.4–.81 4.92S–.08 129.92E–.09 150 3.8b 21 0-71
IDC VI 28 02 54 32.6–2.3 4.69S 129.42E 0 3.8b,3.6 **¶610789612**
DJA VI 28 02 54 50.8–.40 5S–5.0 130E–3.0 162–7 5.7b,5.3
ISC Event type ke.

(221) Kuril Islands
ISC VI 28 12 07 31.5–.22 43.83N–.03 147.86E–.02 64–1 5.6b 1973 1-153
BJI VI 28 12 07 29.0–.00 43.87N 147.82E 49 5.4b,5.3b **¶614866677**
NEIC VI 28 12 07 30.1 43.66N 148.09E 50 5.4b,5.3b
NEIC VI 28 12 07 30.1 43.76N 147.95E 50 5.4b,5.3b
NEIC VI 28 12 07 30.9 43.76N 147.96E 49 5.4b,5.3b
MOS VI 28 12 07 31.7–.82 43.77N 147.84E 75 6.1b,5.0s
SKHL VI 28 12 07 32.0–.20 43.70N 148.00E 77–4 6.3b,5.1s
JMA VI 28 12 07 32.2–.25 43.6N–1.0 148E–1.0 31 5.7,5.5W
NIED VI 28 12 07 32.2 43.56N 147.83E 31 5.6W,5.5W
NEIC VI 28 12 07 32.0–1.5 43.80N–.07 147.9E–.10 61–1 5.5,5.5b
IDC VI 28 12 07 33.5–.38 43.83N 147.87E 77–3 5.6,5.3b
GCMT VI 28 12 07 34.0–.10 43.77N–.01 147.98E–.01 65–1 5.5W,5.3b
BGR VI 28 12 07 37.2 44.75N 147.09E 60–6 6.3,6.1b
ISC Event type ke.
NEIC Event type se. Moment Tensor Solution.Duration: 2s5 Moment tensor: Scale 10^{17}Nm; Mrr-1.24 Mθθ1.58 Mφφ-0.34 Mrθ0.99 Mθφ0.09 Mφr0.97 NP1:φs240.22000°,δ68.78000° ,λ-115.28000°. NP2:φs112.75000°,δ32.55000°,λ-42.29000°. Principal axes: T 1.9642,Plg20.0000°,Azm349.0000°; N 0.0745,Plg23.0000°,Azm250.0000° ; P -2.0387,Plg58.0000°,Azm115.0000° M0 2.00000×10^{17}
NEIC Event type se.
NEIC Event type se.
MOS Event type fe. Error ellipse: s-maj=5.9km s-min=3.7km az=120.5. Felt (III) at Malokuril'skoe, Yuzhno-Kuril'sk, Goryachiy Plyazh, Mendeleyevo, Lagunnoye, Kuril'sk. Moment Tensor Solution.
JMA Event type fe. E OFF HOKKAIDO .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{17}Nm; Mrr-0.86 Mθθ1.67 Mφφ-0.81 Mrθ1.81 Mθφ-0.36 Mφr0.83 NP1:φs248.00000°,δ78.00000°,λ-117.00000°. NP2:φs135.00000° ,δ29.00000°,λ-26.00000°. M0 2.48000×10^{17}
NEIC Event type se. Error ellipse: s-maj=12.5km s-min=10.9km az=294.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; Mrr-0.60 Mθθ0.72 Mφφ-0.12 Mrθ1.46 Mθφ-0.38 Mφr0.99 NP1:φs133.01000°,δ19.77000°,λ-22.37000°. NP2:φs244.18000° ,δ82.60000°,λ-108.39000°. Principal axes: T 1.7001,Plg35.0000°,Azm350.0000° ; N 0.3969,Plg18.0000°,Azm247.0000°; P -2.0970,Plg49.0000°,Azm134.0000° M0 1.93000×10^{17}
IDC Error ellipse: s-maj=7.3km s-min=6.8km az=66.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s124,c215; s148,c304;Duration: 1s4 Moment tensor: Scale 10^{17}Nm; Mrr-0.50±.03 Mθθ1.78±.03; Mφφ-1.27±.03; Mrθ1.52±.03; Mθφ-0.44±.03; Mφr1.27±.03; Best double couple: NP1:φs237.00000°,δ83.00000°,λ-128.00000°. NP2:φs138.00000°,δ39.00000°,λ-12.00000°. Principal axes: T 2.5490,Plg28.0000° ,Azm357.0000°; N 0.0590,Plg38.0000°,Azm243.0000°; P -2.6010,Plg40.0000° ,Azm112.0000° M0 2.57500×10^{17}
BGR Event type ke.

(706) Northern Sumatera
ISC VI 30 04 30 28.6–.75 0.51N–.06 99.92E–.06 150 3.9b 24 1-84
IDC VI 30 04 30 07.1–6.7 0.11S 99.94E 0 4.1,4.1b **¶610789754**
DJA VI 30 04 30 29.3–.40 0N–2.0 100E–2.0 158–4 5.6b,5.1b
ISC Event type ke.

(239) Southeast of Ryukyu Islands
ISC VI 30 14 04 02.4–.27 25.65N–.03 125.29E–.03 103–2 5.2b 1027 1-169
BGR VI 30 14 03 43.4 23.50N 126.94E 33 5.6b,4.3s **¶617195315**
BJI VI 30 14 03 57.0–.00 25.30N 125.66E 100 4.9b,4.9b
MOS VI 30 14 04 00.4–.95 25.73N 125.23E 90 5.2b,4.9b
IDC VI 30 14 04 02.5–.45 25.78N 125.33E 99–4 4.9,4.6b
NEIC VI 30 14 04 02.2–2.4 25.58N–.07 125.37E–.07 93–5 5.4b,5.2
NIED VI 30 14 04 02.5 25.69N 125.19E 98 5.2W,5.2
JMA VI 30 14 04 02.5–.18 26N–2.0 125E–1.0 98–4 5.2W,5.2
NEIC VI 30 14 04 02.5 25.61N 125.33E 90 5.2W,5.2
NEIC VI 30 14 04 02.5 25.61N 125.33E 95 5.2W,5.2
GCMT VI 30 14 04 03.2–.10 25.54N–.01 125.23E–.01 115–1 5.3W,5.2
ISC Event type ke.
BGR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; Mrr-1.48 Mθθ-3.34 Mφφ4.82 Mrθ-2.63 Mθφ-4.79 Mφr1.30 NP1:φs112.00000°,δ85.00000°,λ-153.00000°. NP2:φs20.00000° ,δ63.00000°,λ-6.00000°. M0 6.97000×10^{16}
JMA Event type fe. NW OFF MIYAKOJIMA ISLAND.
NEIC Event type se. Moment Tensor Solution.Duration: 2s1 Moment tensor: Scale 10^{16}Nm; Mrr-1.00 Mθθ-3.52 Mφφ4.52 Mrθ-4.25 Mθφ-5.25 Mφr0.97 NP1:φs110.88000°,δ83.94000° ,λ-146.21000°. NP2:φs16.84000°,δ56.42000°,λ-7.28000°. Principal axes: T 8.0378,Plg18.0000°,Azm239.0000°; N -0.1333,Plg56.0000°,Azm120.0000° ; P -7.9045,Plg28.0000°,Azm339.0000° M0 7.97000×10^{16}
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s93,c146; s129,c225;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; Mrr-0.22±.01 Mθθ-0.47±.02; Mφφ0.69±.02; Mrθ-0.57±.01; Mθφ-0.62±.01; Mφr0.01±.01; Best double couple: NP1:φs115.00000°,δ77.00000°,λ-147.00000°. NP2:φs17.00000°,δ58.00000°,λ-15.00000°. Principal axes: T 1.0090,Plg12.0000° ,Azm243.0000°; N 0.0580,Plg55.0000°,Azm135.0000°; P -1.0680,Plg32.0000° ,Azm341.0000° M0 1.03800×10^{17}

(267) Halmahera
ISC VI 30 15 22 30.3–1.2 1.89N–.05 127.37E–.10 112 4.0b 17 1-59
IDC VI 30 15 22 16.0–2.0 2.04N 127.70E 0 3.9,3.9b **¶610789797**
DJA VI 30 15 22 31.7–.60 2N–3.0 127E–3.0 99–6 5.6b,5.1
ISC Event type ke.

MAJOR DEEP FOCUS EARTHQUAKES
h>300km,M>=5

(171) South of Fiji Islands
ISC I 02 10 15 16.1–.21 23.26S–.03 179.24E–.03 555–1 5.3b 1839 5-170
BJI I 02 10 15 14.4–.00 22.81S 179.48E 540 5.3b,5.1b **¶615092293**
NEIC I 02 10 15 15.6–2.3 23.28S–.08 179.26E–.09 548–5 5.3b,5.1b
IDC I 02 10 15 15.7–.37 23.27S 179.17E 547–3 5.8,4.9b
MOS I 02 10 15 15.2–1.3 23.20S 179.11E 548 5.4b,4.9b
NOU I 02 10 15 16.2 23.25S 179.34E 552 5.2L,4.9b
BGR I 02 10 15 17.0 23.39S 179.44W 573–1 5.2L,4.9b
GCMT I 02 10 15 20.6–.10 23.27S–.01 179.27E–.01 568–0 5.9W,4.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU South of Fiji Islands.
BGR Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. Moment Tensor Solution. s153,c318;Duration: 2s2 Moment tensor: Scale 10^{18}Nm; Mrr-0.79±.01 Mθθ0.62±.01; Mφφ0.16±.01; Mrθ0.17±.01; Mθφ-0.63±.01; Mφr0.03±.01; Best double couple: NP1: φs293.00000°,δ50.00000°,λ-106.00000°. NP2:φs138.00000°,δ43.00000°,λ-71.00000°. Principal axes: T 1.0760,Plg4.0000°,Azm35.0000°; N -0.2470,Plg12.0000°,Azm304.0000° ; P -0.8280,Plg77.0000°,Azm142.0000° M0 0.95200×10^{18}

(171) South of Fiji Islands
ISC I 02 13 14 02.9–.21 23.31S–.03 179.29E–.03 557–1 5.9b 2326 6-170
BJI I 02 13 14 01.4–.00 23.19S 179.25E 550 6.1b,5.7b **¶615092294**
NEIC I 02 13 14 02.8–1.8 23.25S–.09 179.24E–.10 552–3 6.3,6.3
MOS I 02 13 14 02.5–.89 23.29S 179.20E 557 6.1b,6.3
IDC I 02 13 14 03.1–.52 23.25S 179.22E 549–4 6.1,5.2b
BGR I 02 13 14 06.3 23.66S 179.31W 596–1 6.1,5.2b
GCMT I 02 13 14 07.8–.10 23.29S–.01 179.29E–.01 573–0 6.3W,5.2b
NEIC I 02 13 14 13 23.34S 179.31E 550 6.3W,5.2b
NEIC I 02 13 14 21.2 23.20S 179.18E 579 6.3W,5.2b
ISC Event type se. Moment Tensor Solution. NP1:φs317.89999°,δ47.83973°,λ-29.58727°. NP2: φs68.76192°,δ68.53079°,λ-133.84212°. Principal axes: T Plg12.4632°,Azm188.8688° ; N Plg40.1366°,Azm88.1285°; P Plg47.1736°,Azm292.6645°
NEIC Event type se. Error ellipse: s-maj=13.5km s-min=12.3km az=117.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; Mrr-1.30 Mθθ2.75 Mφφ-1.45 Mrθ-0.83 Mθφ-1.77 Mφr-2.44 NP1:φs327.43000°,δ63.38000°,λ-31.95000°. NP2:φs73.04000°,δ61.76000° ,λ-149.43000°. Principal axes: T 3.3965,Plg1.0000°,Azm21.0000°; N 0.9105,Plg49.0000° ,Azm112.0000°; P -4.3070,Plg41.0000°,Azm290.0000° M0 3.93000×10^{18}
MOS Error ellipse: s-maj=9.1km s-min=7.7km az=116.0.
IDC Error ellipse: s-maj=7.2km s-min=6.3km az=18.0.
BGR Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to mantle waves, cutoff=125s. Triangular moment-rate function. Moment Tensor Solution. s157,c373; s150,c197; Duration: 3s5 Moment tensor: Scale 10^{18}Nm; Mrr-0.98±.02 Mθθ2.60±.03; Mφφ-1.62±.03; Mrθ-0.81±.02; Mθφ-1.88±.02; Mφr-2.29±.02; Best double couple: NP1:φs330.00000° ,δ65.00000°,λ-29.00000°. NP2:φs72.00000°,δ64.00000°,λ-152.00000°. Principal axes: T 3.3170,Plg1.0000°,Azm21.0000°; N 0.8650,Plg53.0000°,Azm113.0000° ; P -4.1790,Plg37.0000°,Azm291.0000° M0 3.74800×10^{18}
NEIC Event type se. Moment Tensor Solution.Duration: 7s3 Moment tensor: Scale 10^{18}Nm; Mrr-0.84 Mθθ2.46 Mφφ-1.62 Mrθ-0.86 Mθφ-1.76 Mφr-2.06 NP1:φs71.21000°,δ66.68000° ,λ-151.58000°. NP2:φs329.12000°,δ64.09000°,λ-26.11000°. Principal axes: T 3.1152,Plg2.0000°,Azm200.0000°; N 0.7887,Plg54.0000°,Azm107.0000° ; P -3.9039,Plg36.0000°,Azm291.0000° M0 3.51000×10^{18}
NEIC Event type se. Moment Tensor Solution.Duration: 7s9 Moment tensor: Scale 10^{18}Nm; Mrr-1.04 Mθθ2.73 Mφφ-1.69 Mrθ-0.73 Mθφ-1.36 Mφr-2.35 NP1:φs323.50000°,δ62.65000° ,λ-28.99000°. NP2:φs67.78000°,δ64.50000°,λ-149.40000°. Principal axes: T 3.1175,Plg1.0000°,Azm195.0000°; N 0.9540,Plg51.0000°,Azm104.0000° ; P -4.0715,Plg39.0000°,Azm286.0000° M0 3.59000×10^{18}

(171) South of Fiji Islands
ISC I 03 19 27 58.7–.34 23.25S–.04 179.27E–.05 558–3 4.8b 481 5-170
BJI I 03 19 27 55.4–.00 23.33S 179.56E 540 5.0b,4.4b **¶610180857**
NOU I 03 19 27 58.9 23.18S 179.51E 580 4.9b,4.4b
NEIC I 03 19 27 59.2–1.9 23.25S–.06 179.23E–.10 551–5 5.0b,4.4b
IDC I 03 19 27 59.4–.48 23.25S 179.21E 558–4 4.7,3.9b
ISC Event type se.
NOU South of Fiji Islands.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=7.5km az=72.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=10.0km s-min=9.3km az=97.0.

(262) Celebes Sea
ISC I 05 06 44 33.7–.31 3.60N–.04 122.63E–.06 550 4.5b 195 3-93
IDC I 05 06 44 35.5–.81 3.58N 122.75E 583–10 4.6,3.5b **¶609985366**
NEIC I 05 06 44 35.7–1.3 3.63N–.09 122.69E–.07 569–9 4.7b,3.5b
DJA I 05 06 44 35.1–.30 4N–4.0 123E–3.0 557–3 5.8,5.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(181) Fiji Islands region
ISC I 09 00 37 06.1–.38 22.03S–.05 179.43W–.05 594–3 4.9b 1126 4-163
BJI I 09 00 37 03.9–.00 21.76S 179.03W 588 5.3b,4.6b **¶610049856**
NOU I 09 00 37 05.3 21.94S 179.32W 591 4.9L,4.6b
BGR I 09 00 37 05.2 22.23S 179.01W 590 4.9L,4.6b
NEIC I 09 00 37 06.1–1.7 21.99S–.10 179.4W–.10 583–6 4.9b,4.6b
IDC I 09 00 37 06.3–.84 21.91S 179.45W 592–8 5.1,4.2b
ISC Event type se. Moment Tensor Solution. NP1:φs47.84136°,δ29.82823°,λ151.69064°. NP2: φs162.88779°,δ76.35629°,λ63.21600°. Principal axes: T Plg51.2811°,Azm42.2625° ; N Plg25.9707°,Azm169.6781°; P Plg26.5280°,Azm273.7510°
NOU Fiji Islands Region.
BGR Event type ke.
NEIC Event type se. Error ellipse: s-maj=15.0km s-min=13.0km az=133.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=12.1km s-min=9.0km az=119.0.

(262) Celebes Sea
ISC I 10 06 13 47.7–.17 4.41N–.02 122.56E–.02 628–1 6.5b 3196 3-178
MAN I 10 06 13 44.6 4.29N 122.96E 661 7.2s,7.0b **¶614538632**
BJI I 10 06 13 46.3–.00 4.41N 122.65E 620 6.8b,6.4b
KLM I 10 06 13 46 4.42N 122.98E 612 7.2b,6.4b
MOS I 10 06 13 46.3–.76 4.48N 122.61E 631 6.3b,6.4b
IDC I 10 06 13 47.7–.38 4.46N 122.58E 629–4 6.6,5.6b
DJA I 10 06 13 47.6–.10 4N–2.0 123E–1.0 629–2 7.6,7.2W
NEIC I 10 06 13 48.1–2.1 4.48N–.07 122.62E–.08 627–3 7.3,7.3
GCMT I 10 06 13 55.1–.10 4.57N–.01 122.78E–.01 622–1 7.3W,7.3
NEIC I 10 06 13 55 4.36N 122.71E 620 7.3W,7.3
NEIC I 10 06 14 05.6 4.49N 122.73E 611 7.3W,7.3
ISC Event type fe. Moment Tensor Solution. NP1:φs177.15033°,δ86.60802°,λ98.89662°. NP2: φs287.85574°,δ9.51645°,λ20.96937°. Principal axes: T Plg47.6644°,Azm96.4952° ; N Plg8.8809°,Azm356.6197°; P Plg40.9605°,Azm258.8240°
MAN Event type fe. INTENSITY IV - DAVAO CITY; INTENSITY III - ILOILO CITY; KIAMBA SOUTH COTABATO; CARAGA AND BOSTON DAVAO ORIENTAL; INTENSITY II - GENERAL SANTOS CITY; CAGAYAN DE ORO CITY; LAKE SEBU POLOMOLOK TAMBAKAN AND TUPI SOUTH COTABATO; MATI DAVAO ORIENTAL; BATARAZA PALAWAN; ROSARIO AGUSAN DEL SUR; PAGADIAN CITY; INTENSITY I - BISLIG CITY.
MOS Error ellipse: s-maj=7.0km s-min=4.3km az=112.2.
IDC Error ellipse: s-maj=7.7km s-min=5.3km az=64.0.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=10.8km az=101.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{20}Nm; Mrr-0.08 Mθθ0.15 Mφφ-0.07 Mrθ0.08 Mθφ0.15 Mφr-0.99 NP1:φs177.45000°,δ89.99000°,λ97.84000°. NP2:φs267.50000°,δ7.84000° ,λ0.05000°. Principal axes: T 0.9193,Plg44.0000°,Azm95.0000°; N 0.1630,Plg8.0000° ,Azm357.0000°; P -1.0823,Plg44.0000°,Azm260.0000° M0 1.01000×10^{20}
GCMT nsta1 refers to body waves, cutoff=50s. nsta2 refers to mantle waves, cutoff=150s. Triangular moment-rate function. Moment Tensor Solution. s167,c469; s165,c399; Duration: 10s5 Moment tensor: Scale 10^{20}Nm; Mrr-0.07±.00 Mθθ0.14±.00; Mφφ-0.07±.00; Mrθ0.07±.00; Mθφ0.27±.00; Mφr-0.97±.00; Best double couple: NP1:φs360.00000°,δ90.00000° ,λ-106.00000°. NP2:φs269.00000°,δ16.00000°,λ-1.00000°. Principal axes: T 0.9210,Plg43.0000°,Azm105.0000°; N 0.1640,Plg16.0000°,Azm360.0000° ; P -1.0850,Plg43.0000°,Azm255.0000° M0 1.00300×10^{20}
NEIC Event type se. Moment Tensor Solution.Duration: 14s6 Moment tensor: Scale 10^{19}Nm; Mrr-0.43 Mθθ1.86 Mφφ-1.43 Mrθ0.58 Mθφ2.87 Mφr-9.12 NP1:φs274.00000°,δ18.00000° ,λ3.00000°. NP2:φs182.00000°,δ89.00000°,λ108.00000°. Principal axes: T 8.5771,Plg43.0000°,Azm109.0000°; N 1.9836,Plg18.0000°,Azm1.0000° ; P -10.5607,Plg41.0000°,Azm255.0000° M0 9.72000×10^{19}
NEIC Event type se. Moment Tensor Solution.Duration: 23s9 Moment tensor: Scale 10^{20}Nm; Mrr0.00 Mθθ0.17 Mφφ-0.17 Mrθ0.08 Mθφ0.32 Mφr-0.95 NP1:φs180.14000°,δ87.80000° ,λ108.67000°. NP2:φs276.64000°,δ18.79000°,λ6.85000°. Principal axes: T 0.9049,Plg44.0000°,Azm109.0000°; N 0.1987,Plg19.0000°,Azm359.0000° ; P -1.1036,Plg40.0000°,Azm253.0000° M0 1.00000×10^{20}

(262) Celebes Sea
ISC I 10 06 25 43.3–.29 4.33N–.05 122.62E–.05 615 5.0b 200 3-137
MAN I 10 06 25 40.7 4.23N 122.87E 657 5.4b,4.6s **¶610237055**
DJA I 10 06 25 40.8–.50 4N–11 123E–7.0 630 5.3,5.2
IDC I 10 06 25 44.0–.70 4.36N 122.61E 626–9 5.2,4.2b
NEIC I 10 06 25 44.5–1.4 4.33N–.09 122.63E–.09 624–8 5.1b,4.2b

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

(212) Bonin Islands region

ISC	**I**	**10 16 21 56.0–.31**	**27.56N–.03**	**140.05E–.04**	**474–2**	**4.8b**	**1229**	**2-164**
MOS	I	10 16 21 54.8–.77	27.54N	139.99E	476	5.0b		**¶610051620**
JMA	I	10 16 21 55.0–.21	27.7N–.90	141E–2.0	490–2	5.5,4.7		
BJI	I	10 16 21 55.1–.00	27.57N	139.98E	478	5.3b,5.2b		
NEIC	I	10 16 21 55.6–1.4	27.60N–.08	140.0E–.10	462–5	4.8b,5.2b		
IDC	I	10 16 21 56.3–.35	27.57N	140.02E	476–3	5.1,4.2b		

ISC Event type ke.
MOS Error ellipse: s-maj=7.6km s-min=4.2km az=113.7.
JMA Event type fe. W OFF OGASAWARA .
NEIC Event type se. Error ellipse: s-maj=13.3km s-min=12.1km az=97.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=9.0km s-min=6.0km az=89.0.

(660) Sea of Japan

ISC	**I**	**12 17 04 57.8–.26**	**41.66N–.03**	**133.09E–.03**	**484–2**	**4.9b**	**1717**	**3-162**
JMA	I	12 17 04 55.6–.30	42N–2.0	134E–3.0	540–4	5.5,5.3W		**¶610064840**
NIED	I	12 17 04 55.6	41.68N	133.50E	540	5.4W,5.3W		
MOS	I	12 17 04 56.8–.86	41.73N	133.05E	480	5.0b,5.3W		
BJI	I	12 17 04 57.8–.00	41.69N	132.98E	494	5.7b,5.3b		
GCMT	I	12 17 04 58.8–.20	41.76N–.02	132.96E–.03	496–2	5.4W,5.3b		
IDC	I	12 17 04 58.5–.38	41.72N	133.04E	486–4	5.3,4.5b		
NEIC	I	12 17 04 58.5	41.57N	133.03E	510	5.3,4.5b		
NEIC	I	12 17 04 59.8–1.3	41.75N–.08	133.0E–.10	498–4	5.5,5.4		

ISC Event type ke. Moment Tensor Solution. NP1:φs57.27802°,δ82.65488°,λ-162.71716°. NP2: φs325.00012°,δ72.86339°,λ-7.68838°. Principal axes: T Plg6.7738°,Azm190.1160° ; N Plg71.2650°,Azm79.6157°; P Plg17.3826°,Azm282.2469°
JMA Event type ke. SEA OF JAPAN .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{17}Nm; Mrr-0.29 Mθθ1.27 Mφφ-0.98 Mrθ-0.27 Mθφ0.31 Mφr-0.62 NP1:φs41.00000°,δ79.00000°,λ-149.00000°. NP2:φs304.00000° ,δ60.00000°,λ-13.00000°. M0 1.37000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. Moment Tensor Solution. s80,c119;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; Mrr-0.03±.03 Mθθ1.18±.04; Mφφ-1.15±.04; Mrθ-0.30±.05; Mθφ0.56±.04; Mφr-0.75±.04; Best double couple: NP1: φs33.00000°,δ87.00000°,λ-149.00000°. NP2:φs301.00000°,δ59.00000°,λ-4.00000°. Principal axes: T 1.4630,Plg19.0000°,Azm162.0000°; N 0.1170,Plg59.0000°,Azm38.0000° ; P -1.5760,Plg24.0000°,Azm261.0000° M0 1.52000×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 2s4 Moment tensor: Scale 10^{17}Nm; Mrr0.11 Mθθ1.01 Mφφ-1.12 Mrθ-0.38 Mθφ0.56 Mφr-0.56 NP1:φs209.95000°,δ86.37000° ,λ150.33000°. NP2:φs302.02000°,δ60.39000°,λ4.17000°. Principal axes: T 1.3668,Plg23.0000°,Azm162.0000°; N 0.0357,Plg60.0000°,Azm24.0000° ; P -1.4025,Plg18.0000°,Azm260.0000° M0 1.38000×10^{17}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; Mrr-1.37 Mθθ1.92 Mφφ-0.55 Mrθ0.12 Mθφ0.82 Mφr-1.06 NP1:φs284.49000°,δ52.88000°,λ-40.65000°. NP2:φs41.89000°,δ58.71000° ,λ-135.07000°. Principal axes: T 2.1792,Plg3.0000°,Azm162.0000°; N -0.0020,Plg37.0000° ,Azm69.0000°; P -2.1772,Plg53.0000°,Azm256.0000° M0 2.18000×10^{17}

(181) Fiji Islands region

ISC	**I**	**16 17 04 03.8–.38**	**21.31S–.04**	**179.03W–.05**	**616–4**	**4.7b**	**533**	**3-172**
BJI	I	16 17 04 02.4–.00	20.66S	178.80W	593	5.1b,4.7b		**¶610097495**
NOU	I	16 17 04 04.6	21.25S	178.98W	627	4.7b,4.7b		
IDC	I	16 17 04 04.9–.55	21.24S	179.15W	620–5	4.9,4.0b		
NEIC	I	16 17 04 05.7–2.1	21.17S–.10	179.2W–.10	619–5	4.7b,4.0b		

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

(280) Banda Sea

ISC	**I**	**24 23 22 45.1–.57**	**6.47S–.06**	**128.06E–.07**	**353**	**3.5b**	**45**	**3-70**
DJA	I	24 23 22 45.1–.20	7S–3.0	128E–2.0	335–5	5.1b,4.5		**¶610235287**
IDC	I	24 23 22 45.3–1.4	6.47S	127.91E	346–19	4.0,3.2b		

ISC Event type ke.
IDC Error ellipse: s-maj=24.3km s-min=17.3km az=98.0.

(280) Banda Sea

ISC	**I**	**31 15 55 56.8–.25**	**7.04S–.03**	**125.44E–.03**	**503–2**	**5.3b**	**1580**	**3-172**
BJI	I	31 15 55 51.3–.00	7.35S	125.86E	488	5.2b,4.8b		**¶610159185**
KLM	I	31 15 55 53	7.39S	125.42E	408	5.5b,4.8b		
MOS	I	31 15 55 55.9–.84	6.94S	125.43E	497	5.3b,4.8b		
IDC	I	31 15 55 56.9–.32	7.05S	125.39E	500–3	5.6,4.7b		
NEIC	I	31 15 55 57.0–2.5	7.00S–.08	125.41E–.08	493–5	5.4,5.3b		
DJA	I	31 15 55 57.2–.10	7S–2.0	125E–1.0	503–2	6.1,5.7b		
GCMT	I	31 15 55 58.0–.20	7.05S–.02	125.31E–.02	511–1	5.4W,5.7b		
NEIC	I	31 15 56 00	7.40S	125.41E	490	5.4W,5.7b		

ISC Event type se. Moment Tensor Solution. NP1:φs190.30904°,δ33.36946°,λ-146.77643°. NP2: φs71.63074°,δ72.46018°,λ-61.14716°. Principal axes: T Plg22.1748°,Azm140.0090° ; N Plg27.3953°,Azm242.2033°; P Plg53.4785°,Azm16.6159°
MOS Error ellipse: s-maj=7.9km s-min=4.5km az=111.1.
IDC Error ellipse: s-maj=7.4km s-min=4.8km az=57.0.
NEIC Event type se. Error ellipse: s-maj=12.3km s-min=11.2km az=56.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. Moment Tensor Solution. s97,c140;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; Mrr-0.62±.03 Mθθ0.21±.05; Mφφ0.40±.05; Mrθ-0.75±.05; Mθφ1.22±.05; Mφr0.55±.05; Best double couple: NP1:φs80.00000° ,δ65.00000°,λ-33.00000°. NP2:φs186.00000°,δ60.00000°,λ-151.00000°. Principal axes: T 1.5390,Plg3.0000°,Azm134.0000°; N 0.1670,Plg49.0000°,Azm228.0000° ; P -1.7060,Plg40.0000°,Azm41.0000° M0 1.62200×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 8s0 Moment tensor: Scale 10^{17}Nm; Mrr-0.81 Mθθ0.76 Mφφ0.05 Mrθ-0.82 Mθφ1.06 Mφr0.46 NP1:φs200.00000°,δ49.00000° ,λ-149.00000°. NP2:φs89.00000°,δ67.00000°,λ-45.00000°. Principal axes: T 1.6059,Plg11.0000°,Azm148.0000°; N 0.0387,Plg41.0000°,Azm248.0000° ; P -1.6446,Plg47.0000°,Azm46.0000° M0 1.63000×10^{17}

(278) Bali Sea

ISC	**II**	**02 11 18 35.8–.38**	**6.55S–.04**	**115.69E–.05**	**564–3**	**5.0b**	**395**	**2-157**
DJA	II	02 11 18 36.2–.10	7S–2.0	116E–1.0	557–2	5.9,5.8		**¶610177523**
IDC	II	02 11 18 36.2–.55	6.50S	115.70E	565–5	5.1,4.2b		
NEIC	II	02 11 18 36.0–2.4	6.53S–.09	115.67E–.08	560–7	4.9b,4.2b		

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

(280) Banda Sea

ISC	**II**	**04 08 45 50.9–.36**	**6.59S–.04**	**128.18E–.06**	**318**	**4.2b**	**117**	**3-152**
DJA	II	04 08 45 51.3–.20	7S–2.0	128E–3.0	330–4	5.2b,5.0		**¶610195891**
NEIC	II	04 08 45 51.4–1.0	6.55S–.07	128.11E–.07	318–7	4.4b,5.0		
IDC	II	04 08 45 51.4–1.5	6.55S	128.15E	322–15	4.5,3.8b		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=6.8km az=222.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=20.5km s-min=9.1km az=79.0.

(181) Fiji Islands region

ISC	**II**	**07 12 23 23.4–.26**	**21.85S–.03**	**179.42W–.04**	**596–2**	**5.1b**	**1281**	**5-171**
BJI	II	07 12 23 22.6–.00	21.53S	179.00W	601	5.2b,5.1b		**¶615092390**
MOS	II	07 12 23 23.0–.82	21.81S	179.42W	599	5.2b,5.1b		
NOU	II	07 12 23 23.8	21.79S	179.37W	597	5.1L,5.1b		
NEIC	II	07 12 23 23.0–2.1	21.82S–.09	179.39W–.09	581–5	5.0b,5.1b		
IDC	II	07 12 23 24.5–.39	21.81S	179.43W	602–4	5.4,4.5b		
GCMT	II	07 12 23 25.0–.40	21.93S–.05	179.47W–.03	599–3	5.4W,4.5b		

ISC Event type se. Moment Tensor Solution. NP1:φs28.33509°,δ73.17968°,λ-103.33857°. NP2: φs247.66510°,δ21.34670°,λ-52.65083°. Principal axes: T Plg26.9993°,Azm128.8847° ; N Plg12.7581°,Azm32.2600°; P Plg59.6792°,Azm279.4824°
NOU Fiji Islands Region.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. Moment Tensor Solution. s56,c68;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; Mrr-0.47±.04 Mθθ0.17±.09; Mφφ0.29±.07; Mrθ-0.83±.09; Mθφ-0.05±.07; Mφr-1.18±.07; Best double couple: NP1: φs34.00000°,δ83.00000°,λ-87.00000°. NP2:φs189.00000°,δ7.00000°,λ-115.00000°. Principal axes: T 1.3580,Plg38.0000°,Azm121.0000°; N 0.2560,Plg3.0000°,Azm214.0000° ; P -1.6140,Plg52.0000°,Azm308.0000° M0 1.48600×10^{17}

(181) Fiji Islands region

ISC	**II**	**08 00 06 44.4–.26**	**18.03S–.03**	**178.39W–.04**	**629–2**	**5.2b**	**1379**	**3-175**
BJI	II	08 00 06 42.9–.00	17.70S	178.25W	616	5.1b,5.0b		**¶615092391**
MOS	II	08 00 06 43.6–1.0	17.93S	178.46W	624	5.2b,5.0b		
IDC	II	08 00 06 44.7–.35	18.04S	178.41W	628–3	5.5,4.6b		
NEIC	II	08 00 06 44.1–2.0	18.07S–.09	178.41W–.10	624–6	5.1b,4.6b		
NOU	II	08 00 06 44.6	18.09S	178.33W	629	5.7b,4.6b		
GCMT	II	08 00 06 50.1–.20	18.02S–.02	178.40W–.03	643–2	5.8W,4.6b		

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Fiji Islands Region.
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. Moment Tensor Solution. s112,c162;Duration: 1s9 Moment tensor: Scale 10^{17}Nm; Mrr-1.77±.11 Mθθ3.80±.17; Mφφ-2.03±.18; Mrθ3.99±.16; Mθφ1.97±.17; Mφr-2.70±.18; Best double couple: NP1: φs293.00000°,δ80.00000°,λ-54.00000°. NP2:φs37.00000°,δ37.00000°,λ-163.00000°. Principal axes: T 5.9170,Plg26.0000°,Azm355.0000°; N 0.4590,Plg35.0000°,Azm105.0000° ; P -6.3760,Plg44.0000°,Azm237.0000° M0 6.14700×10^{17}

(177) Kermadec Islands region

ISC	**II**	**09 07 26 35.3–.59**	**31.18S–.06**	**179.3W–.10**	**400**	**4.0b**	**143**	**2-160**
IDC	II	09 07 26 36.0–.78	30.86S	179.86W	379–7	4.6,3.7b		**¶610243787**
WEL	II	09 07 26 38.9–1.1	32S–13	178W–32	349–18	5.8L,5.5b		

ISC Event type ke.
WEL smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

(171) South of Fiji Islands

ISC	**II**	**11 11 15 57.8–.31**	**23.77S–.04**	**179.96W–.04**	**519–3**	**4.9b**	**652**	**6-169**
NOU	II	11 11 15 57.9	23.72S	179.69W	535	5.1b		**¶615092398**
BJI	II	11 11 15 57.5–.00	23.72S	179.46W	533	5.0b,4.5b		
IDC	II	11 11 15 57.5–.41	23.78S	179.95W	510–3	5.1,4.3b		
NEIC	II	11 11 15 57.4–2.1	23.75S–.09	179.9W–.10	497–6	5.0b,4.3b		
BGR	II	11 11 15 59.5	23.74S	179.99W	500	5.0b,4.3b		
GCMT	II	11 11 16 02.4–.30	23.77S–.04	179.88W–.04	528–2	5.4W,4.3b		

ISC Event type se. Moment Tensor Solution. NP1:φs92.62878°,δ31.88005°,λ155.26436°. NP2: φs203.99461°,δ77.23270°,λ60.53807°. Principal axes: T Plg49.1749°,Azm81.8549° ; N Plg28.6648°,Azm211.1105°; P Plg26.3708°,Azm316.8360°
NOU South of Fiji Islands.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC Event type ke. Hypocentre not reviewed by the ISC.
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. Moment Tensor Solution. s73,c96;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; Mrr0.46±.04 Mθθ-0.23±.07; Mφφ-0.23±.06; Mrθ-0.34±.06; Mθφ-0.71±.06; Mφr-1.20±.05; Best double couple: NP1: φs196.00000°,δ79.00000°,λ67.00000°. NP2:φs82.00000°,δ26.00000°,λ154.00000°. Principal axes: T 1.3820,Plg51.0000°,Azm80.0000°; N 0.1980,Plg23.0000°,Azm201.0000° ; P -1.5810,Plg30.0000°,Azm305.0000° M0 1.48200×10^{17}

(262) Celebes Sea

ISC	**II**	**12 16 26 57.3–.49**	**4.01N–.05**	**124.40E–.07**	**339**	**4.3b**	**67**	**2-83**
NEIC	II	12 16 26 58.0–1.8	4.03N–.09	124.38E–.09	346–9	4.4b		**¶610415389**
IDC	II	12 16 26 58.7–.97	4.02N	124.48E	360–13	4.4,3.5b		
DJA	II	12 16 27 09.0–.80	3N–6.0	125E–4.0	233–11	5.2b,4.5		

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

(181) Fiji Islands region

ISC	**II**	**13 12 31 55.2–.42**	**15.67S–.04**	**177.43W–.05**	**398–4**	**4.9b**	**822**	**2-177**
NEIC	II	13 12 31 55.0–2.5	15.7S–.10	177.4W–.10	388–6	5.1b		**¶610243803**
BJI	II	13 12 31 54.0–.00	15.70S	177.40W	397	5.0b,4.7b		
IDC	II	13 12 31 54.6–1.0	15.48S	177.53W	389–10	5.1,4.4b		
MOS	II	13 12 31 55.3–1.1	15.56S	177.53W	405	4.9b,4.4b		
BGR	II	13 12 31 55.6	15.54S	177.31W	400	4.9b,4.4b		
NOU	II	13 12 31 56.5	15.64S	177.33W	424	4.9b,4.4b		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.6km s-min=14.4km az=125.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=14.4km s-min=8.0km az=146.0.
MOS Error ellipse: s-maj=10.7km s-min=9.3km az=67.7.
ISC Event type ke. Hypocentre not reviewed by the ISC.
NOU Fiji Islands Region.

(181) Fiji Islands region

ISC	**II**	**16 12 10 01.0–.32**	**20.61S–.04**	**178.50W–.04**	**602–3**	**5.2b**	**1328**	**2-173**
BJI	II	16 12 09 58.3–.00	20.47S	178.02W	592	5.2b,5.0b		**¶615092408**
MOS	II	16 12 10 00.7–.87	20.61S	178.59W	601	5.2b,5.0b		
NOU	II	16 12 10 01.1	20.70S	178.54W	595	5.1b,5.0b		
NEIC	II	16 12 10 01.5–1.8	20.75S–.10	178.57W–.10	599–5	5.3,5.2b		
IDC	II	16 12 10 02.1–.64	20.70S	178.63W	607–7	5.4,4.6b		
NEIC	II	16 12 10 02.2	20.78S	178.35W	610	5.4,4.6b		
GCMT	II	16 12 10 02.5–.30	20.64S–.03	178.61W–.02	609–2	5.3W,4.6b		

ISC Event type se. Moment Tensor Solution. NP1:φs168.85184°,δ61.73992°,λ-130.08322°. NP2: φs49.48958°,δ47.63008°,λ-39.85611°. Principal axes: T Plg8.1481°,Azm286.2357° ; N Plg34.5518°,Azm190.5774°; P Plg54.2258°,Azm27.6971°
NOU Fiji Islands Region.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution.Duration: 2s4 Moment tensor: Scale 10^{17}Nm; Mrr-0.69 Mθθ-0.07 Mφφ0.76 Mrθ-0.64 Mθφ0.70 Mφr-0.37 NP1:φs54.99000°,δ68.21000° ,λ-60.33000°. NP2:φs178.08000°,δ36.21000°,λ-141.07000°. Principal axes: T 1.3720,Plg18.0000°,Azm123.0000°; N -0.2736,Plg27.0000°,Azm223.0000° ; P -1.0984,Plg56.0000°,Azm4.0000° M0 1.24000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. Moment Tensor Solution. s105,c142;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; Mrr-0.95±.03 Mθθ-0.01±.06; Mφφ0.96±.05; Mrθ-0.65±.05; Mθφ0.14±.05; Mφr-0.61±.05; Best double couple: NP1:φs31.00000° ,δ67.00000°,λ-71.00000°. NP2:φs169.00000°,δ30.00000°,λ-128.00000°. Principal axes: T 1.2350,Plg19.0000°,Azm107.0000°; N 0.1550,Plg18.0000°,Azm203.0000° ; P -1.3900,Plg63.0000°,Azm333.0000° M0 1.31300×10^{17}

(216) Mariana Islands

ISC	**II**	**16 21 44 05.3–.35**	**18.75N–.03**	**145.13E–.04**	**357–2**	**5.0b**	**997**	**2-167**
MOS	II	16 21 44 04.4–.79	18.72N	145.11E	361	5.1b		**¶611831832**
NEIC	II	16 21 44 05.1–1.8	18.74N–.07	145.1E–.10	346–5	5.0b		
BJI	II	16 21 44 05.3–.00	18.97N	145.08E	353	4.9b,4.5b		
GCMT	II	16 21 44 05.1–.60	18.41N–.06	145.23E–.05	355–3	5.0W,4.5b		
JMA	II	16 21 44 06.1–.37	19N–2.0	145E–4.0	413	4.6,4.5b		
NIED	II	16 21 44 06.1	18.84N	145.46E	413	4.8W,4.5b		
DJA	II	16 21 44 07.4–.40	19N–4.0	145E–5.0	375–3	5.4,5.3b		
IDC	II	16 21 44 08.1–.82	18.75N	145.04E	381–7	5.2,4.4b		

ISC Event type se. Moment Tensor Solution. NP1:φs127.61670°,δ61.75446°,λ-149.10843°. NP2: φs21.80774°,δ63.10985°,λ-32.04768°. Principal axes: T Plg0.8496°,Azm74.9798° ; N Plg49.1093°,Azm165.9610°; P Plg40.8780°,Azm344.2443°
MOS Error ellipse: s-maj=9.1km s-min=4.6km az=115.2.
NEIC Event type se. Error ellipse: s-maj=15.2km s-min=10.0km az=81.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. Moment Tensor Solution. s47,c63;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr-4.33±.26 Mθθ0.86±.43; Mφφ3.47±.42; Mrθ-1.64±.48; Mθφ-1.81±.47; Mφr-0.89±.51; Best double couple: NP1: φs352.00000°,δ49.00000°,λ-62.00000°. NP2:φs134.00000°,δ48.00000°,λ-118.00000°. Principal axes: T 4.3970,Plg0.0000°,Azm63.0000°; N 0.6360,Plg21.0000°,Azm153.0000° ; P -5.0320,Plg69.0000°,Azm332.0000° M0 4.71400×10^{16}
JMA Event type ke. FAR FIELD .
NIED Moment Tensor Solution. s1 Moment tensor: Scale 10^{16}Nm; Mrr-1.70 Mθθ-0.31 Mφφ2.01 Mrθ-0.87 Mθφ-0.42 Mφr0.09 NP1:φs146.00000°,δ54.00000°,λ-123.00000°. NP2:φs14.00000° ,δ47.00000°,λ-53.00000°. M0 2.11000×10^{16}
IDC Error ellipse: s-maj=8.9km s-min=6.0km az=100.0.

(216) Mariana Islands

ISC	**II**	**17 17 45 48.7–.38**	**14.42N–.03**	**144.25E–.06**	**401–3**	**4.7b**	**426**	**1-157**
BJI	II	17 17 45 47.3–.00	14.41N	144.37E	408	4.8b,4.5b		**¶610228677**
IDC	II	17 17 45 47.9–.27	14.43N	144.26E	391–2	5.0,4.2b		

NEIC II 17 17 45 48.3–1.2 14.47N–.08 144.2E–.10 391–5 4.7b,4.2b
DJA II 17 17 45 52.3–.50 14N–4.0 144E–5.0 432–6 6.1,6.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(259) Mindanao
ISC II 19 15 31 46.6–.45 5.80N–.04 123.97E–.06 541–5 4.4b 261 1-152
MAN II 19 15 31 45.2 5.82N 123.52E 538 5.3b,4.5s **¶610231563**
IDC II 19 15 31 46.8–.62 5.81N 123.97E 541–7 4.6,3.7b
NEIC II 19 15 31 47.1–1.4 5.81N–.07 123.96E–.09 540–6 4.4b,3.7b
DJA II 19 15 31 48.3–.90 6N–10 124E–5.0 508–15 4.9,4.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(125) Southern Bolivia
ISC II 21 14 09 04.5–.18 19.28S–.02 64.00W–.03 602–1 6.2b 2205 2-175
SCB II 21 14 08 52.5–2.2 19.36S 64.11W 665–37 6.6L,5.6W **¶610239211**
BJI II 21 14 09 02.9–.00 19.17S 63.80W 600 6.3b,5.6W
MOS II 21 14 09 04.0–1.1 19.26S 63.97W 600 6.2b,5.6W
NEIC II 21 14 09 04.3–1.8 19.28S–.08 63.91W–.09 596–3 6.5,6.5
IDC II 21 14 09 04.6–.23 19.22S 63.89W 600–2 6.4,5.5b
VAO II 21 14 09 04.2–.20 19.33S 63.97W 592 6.4b,5.5b
GUC II 21 14 09 05.4–1.2 19.26S 64.27W 601 6.4b,5.5b
GCMT II 21 14 09 09.3–.10 19.27S–.01 63.79W–.01 606–0 6.5W,5.5b
NEIC II 21 14 09 12.4 19.29S 64.01W 600 6.5W,5.5b
NEIC II 21 14 09 21.9 19.43S 63.68W 602 6.5W,5.5b
ISC Event type se. Moment Tensor Solution. NP1:φs144.33267°,δ76.85307°,λ-110.99178°. NP2: φs23.67408°,δ24.61029°,λ-33.10463°. Principal axes: T Plg28.8189°,Azm251.1378° ; N Plg20.4167°,Azm149.3204°; P Plg53.4854°,Azm29.1370°
SCB Event type se. Error ellipse: s-maj=14.6km s-min=9.4km az=0.0.
MOS Error ellipse: s-maj=8.9km s-min=6.2km az=81.5.
NEIC Event type se. Error ellipse: s-maj=13.1km s-min=11.8km az=63.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; Mrr-3.50 Mθθ-0.87 Mφφ4.37 Mrθ-2.57 Mθφ0.07 Mφr5.76 NP1:φs23.83000°,δ20.30000°,λ-47.53000°. NP2:φs159.52000°,δ75.17000° ,λ-104.03000°. Principal axes: T 7.5668,Plg29.0000°,Azm261.0000°; N -0.1977,Plg14.0000° ,Azm163.0000°; P -7.3692,Plg58.0000°,Azm51.0000° M0 7.47000×10^{18}
IDC Error ellipse: s-maj=7.1km s-min=5.5km az=72.0.
VAO Error ellipse: s-maj=2.1km s-min=2.8km az=-1.0.
GUC Error ellipse: s-maj=4.6km s-min=6.6km az=-1.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to mantle waves, cutoff=125s. Triangular moment-rate function. Moment Tensor Solution. s166,c425; s159,c245; Duration: 4s3 Moment tensor: Scale 10^{18}Nm; Mrr-3.18±.03 Mθθ-0.78±.04; Mφφ3.96±.04; Mrθ-2.34±.03; Mθφ0.03±.04; Mφr5.52±.03; Best double couple: NP1:φs160.00000°,δ76.00000° ,λ-103.00000°. NP2:φs23.00000°,δ19.00000°,λ-49.00000°. Principal axes: T 7.1220,Plg30.0000°,Azm261.0000°; N -0.2240,Plg13.0000°,Azm163.0000° ; P -6.8930,Plg57.0000°,Azm53.0000° M0 7.00800×10^{18}
NEIC Event type se. Moment Tensor Solution.Duration: 9s1 Moment tensor: Scale 10^{18}Nm; Mrr-3.05 Mθθ-0.89 Mφφ3.93 Mrθ-2.04 Mθφ0.13 Mφr5.43 NP1:φs162.03000°,δ75.53000° ,λ-103.04000°. NP2:φs24.86000°,δ19.39000°,λ-48.83000°. Principal axes: T 6.9962,Plg29.0000°,Azm263.0000°; N -0.3806,Plg13.0000°,Azm165.0000° ; P -6.6156,Plg58.0000°,Azm55.0000° M0 6.81000×10^{18}
NEIC Event type se. Moment Tensor Solution.Duration: 9s8 Moment tensor: Scale 10^{18}Nm; Mrr-3.51 Mθθ-0.74 Mφφ4.26 Mrθ-2.37 Mθφ-0.26 Mφr5.07 NP1:φs158.56000°,δ73.49000° ,λ-103.08000°. NP2:φs17.83000°,δ20.95000°,λ-52.64000°. Principal axes: T 6.9778,Plg27.0000°,Azm259.0000°; N -0.2727,Plg13.0000°,Azm162.0000° ; P -6.7051,Plg59.0000°,Azm50.0000° M0 6.84000×10^{18}
(224) Hokkaido region
ISC II 22 03 24 36.6–.61 46.06N–.05 143.65E–.07 334–6 3.5b 63 1-83
IDC II 22 03 24 37.0–.73 46.24N 143.47E 328–10 3.9,3.2b **¶610239518**
JMA II 22 03 24 36.9–.32 46N–2.0 144E–3.0 342 3.7,3.2b
SKHL II 22 03 24 38.5–.60 45.99N 143.69E 327–6 5.1s,4.5b
ISC Event type ke.
IDC Error ellipse: s-maj=16.5km s-min=12.4km az=161.0.
JMA Event type ke. SOUTH SAKHALIN .
(181) Fiji Islands region
ISC II 22 09 47 38.7–.30 20.87S–.05 178.47W–.06 579 4.8b 575 3-172
BJI II 22 09 47 36.4–.00 20.65S 177.92W 579 5.2b,5.0b **¶610239565**
NEIC II 22 09 47 38.7–2.1 20.9S–.10 178.5W–.10 566–6 4.7b,5.0b
IDC II 22 09 47 40.0–1.1 20.85S 178.63W 588–11 5.1,4.2b
NOU II 22 09 47 40.0 20.83S 178.42W 595 5.0b,4.2b
ISC Event type se. Moment Tensor Solution. NP1:φs125.30164°,δ15.12646°,λ-173.68669°. NP2: φs29.20540°,δ88.35564°,λ-74.96111°. Principal axes: T Plg41.4768°,Azm105.0302° ; N Plg15.0326°,Azm208.7637°; P Plg44.6600°,Azm314.1538°
NEIC Event type se. Error ellipse: s-maj=17.0km s-min=14.2km az=119.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=13.1km s-min=9.8km az=124.0.
NOU Fiji Islands Region.
(220) Northwest of Kuril Islands
ISC II 23 05 37 55.4–.36 47.78N–.05 148.42E–.05 384 4.1b 392 3-151
SKHL II 23 05 37 53.5–.30 47.80N 148.60E 357–3 5.4,5.0b **¶610239717**
MOS II 23 05 37 53.5–.90 47.87N 148.36E 367 4.0b,5.0b
JMA II 23 05 37 54.2–.91 47N–4.0 149E–8.0 365 4.1,5.0b
IDC II 23 05 37 55.2–1.1 47.92N 148.31E 369–11 4.4,3.6b
NEIC II 23 05 37 56.6–1.6 47.9N–.10 148.3E–.10 381–8 4.1b,3.6b
ISC Event type ke.
JMA Event type ke. KURILE ISLANDS REGION .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(171) South of Fiji Islands
ISC II 23 17 03 15.0–.34 22.45S–.04 178.36W–.03 380–3 5.1b 1514 4-176
IDC II 23 17 03 15.3–.56 22.47S 178.41W 377–5 5.2,4.6b **¶615092419**
NOU II 23 17 03 15.1 22.61S 178.17W 383 5.1L,4.6b
MOS II 23 17 03 15.6–.88 22.43S 178.49W 387 5.2b,4.6b
NEIC II 23 17 03 18.1–2.0 22.41S–.09 178.43W–.10 397–5 5.1b,4.6b
GCMT II 23 17 03 18.1–.60 22.27S–.06 178.20W–.06 387–3 5.2W,4.6b
ISC Event type se. Moment Tensor Solution. NP1:φs173.41960°,δ22.28337°,λ-149.66155°. NP2: φs54.98200°,δ78.95789°,λ-70.52270°. Principal axes: T Plg31.2563°,Azm128.9720° ; N Plg19.1026°,Azm231.1068°; P Plg52.1605°,Azm347.5847°
NOU South of Fiji Islands.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. Moment Tensor Solution. s60,c72;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; Mrr-0.62±.04 Mθθ0.12±.07; Mφφ0.50±.07; Mrθ-0.51±.07; Mθφ0.24±.07; Mφr-0.34±.06; Best double couple: NP1:φs46.00000° ,δ68.00000°,λ-75.00000°. NP2:φs190.00000°,δ27.00000°,λ-122.00000°. Principal axes: T 0.8200,Plg21.0000°,Azm124.0000°; N 0.0860,Plg14.0000°,Azm220.0000° ; P -0.9060,Plg64.0000°,Azm340.0000° M0 0.86300×10^{17}
(171) South of Fiji Islands
ISC II 24 17 28 44.9–.19 23.37S–.03 178.83W–.03 415–1 6.2b 2831 5-176
BJI II 24 17 28 43.1–.00 23.18S 178.86W 410 6.7b,5.5b **¶611831873**
NEIC II 24 17 28 44.8–1.9 23.26S–.08 178.80W–.08 414–3 7.0,6.9
NOU II 24 17 28 44.7 23.36S 178.57W 422 6.5L,6.9
MOS II 24 17 28 44.8–.97 23.21S 178.85W 424 6.2b,5.8s
IDC II 24 17 28 45.5–.53 23.24S 178.87W 422–4 5.8,5.0b
GCMT II 24 17 28 55.8–.10 23.44S 178.77W 418–0 7.0W,5.0b
NEIC II 24 17 28 57 23.30S 178.84W 410 7.0W,5.0b
ISC Event type se. Moment Tensor Solution. NP1:φs191.18306°,δ30.57728°,λ-113.98842°. NP2: φs38.51564°,δ62.30515°,λ-76.49253°. Principal axes: T Plg16.2687°,Azm118.6086° ; N Plg11.9357°,Azm212.1453°; P Plg69.6220°,Azm336.8301°
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=10.9km az=148.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{19}Nm; Mrr-1.06 Mθθ0.16 Mφφ0.90 Mrθ-1.01 Mθφ-0.31 Mφr-3.13 NP1:φs15.47000°,δ82.48000°,λ-82.19000°. NP2:φs149.13000°,δ10.83000° ,λ-135.83000°. Principal axes: T 3.2374,Plg37.0000°,Azm99.0000°; N 0.3813,Plg8.0000° ,Azm194.0000°; P -3.6187,Plg52.0000°,Azm294.0000° M0 3.44000×10^{19}
NOU South of Fiji Islands.
MOS Error ellipse: s-maj=7.6km s-min=6.4km az=111.8.
IDC Error ellipse: s-maj=8.7km s-min=6.9km az=31.0.
GCMT nsta1 refers to body waves, cutoff=50s. nsta2 refers to mantle waves, cutoff=125s. Triangular moment-rate function. Moment Tensor Solution. s172,c490; s171,c396; Duration: 7s3 Moment tensor: Scale 10^{19}Nm; Mrr-1.01±.01 Mθθ0.12±.01; Mφφ0.88±.01; Mrθ-1.01±.01; Mθφ-0.44±.01; Mφr-3.00±.01; Best double couple: NP1:φs15.00000°,δ83.00000° ,λ-80.00000°. NP2:φs140.00000°,δ13.00000°,λ-144.00000°. Principal axes: T 3.1050,Plg37.0000°,Azm96.0000°; N 0.4170,Plg10.0000°,Azm194.0000° ; P -3.5250,Plg51.0000°,Azm297.0000° M0 3.31500×10^{19}
NEIC Event type se. Moment Tensor Solution.Duration: 28s0 Moment tensor: Scale 10^{19}Nm; Mrr-1.01 Mθθ0.21 Mφφ0.80 Mrθ-0.88 Mθφ-0.38 Mφr-2.83 NP1:φs144.00000°,δ12.00000° ,λ-139.00000°. NP2:φs14.00000°,δ82.00000°,λ-80.00000°. Principal axes: T 2.8863,Plg37.0000°,Azm96.0000°; N 0.4347,Plg9.0000°,Azm193.0000° ; P -3.3210,Plg52.0000°,Azm294.0000° M0 3.13000×10^{19}
(181) Fiji Islands region
ISC II 24 23 46 43.9–.27 18.00S–.03 178.47W–.03 578–2 5.9b 2416 0-175
BJI II 24 23 46 41.3–.00 17.99S 178.40W 560 5.6b,5.3b **¶615092426**
MOS II 24 23 46 42.2–1.0 17.86S 178.54W 558 5.7b,5.3b
IDC II 24 23 46 43.1–.59 18.08S 178.44W 568–6 6.2,5.3b
NOU II 24 23 46 45.0 17.91S 178.43W 580 5.9L,5.3b
NEIC II 24 23 46 45.4 17.76S 178.35W 600 5.9L,5.3b
NEIC II 24 23 46 45.4–1.6 17.97S–.08 178.44W–.09 582–3 5.9,5.9
NEIC II 24 23 46 45.4 17.96S 178.45W 600 5.9,5.9
GCMT II 24 23 46 48.4–.20 17.93S–.02 178.42W–.02 592–1 5.9W,5.9
BGR II 24 23 46 49.0 17.14S 176.98W 600 5.9W,5.9
ISC Event type se. Moment Tensor Solution. NP1:φs164.49289°,δ83.02605°,λ97.45788°. NP2: φs297.33975°,δ10.19709°,λ43.30194°. Principal axes: T Plg51.4251°,Azm82.9572° ; N Plg7.4024°,Azm343.5823°; P Plg37.5955°,Azm247.8411°
MOS Error ellipse: s-maj=7.6km s-min=6.8km az=97.0.
IDC Error ellipse: s-maj=6.4km s-min=6.1km az=124.0.
NOU Fiji Islands Region.
NEIC Event type se. Moment Tensor Solution.Duration: 4s5 Moment tensor: Scale 10^{17}Nm; Mrr0.19 Mθθ3.32 Mφφ-3.51 Mrθ3.87 Mθφ-4.03 Mφr-5.67 NP1:φs156.62000°,δ88.69000° ,λ51.88000°. NP2:φs64.95000°,δ38.14000°,λ177.88000°. Principal axes: T 9.3602,Plg35.0000°,Azm34.0000°; N -1.6155,Plg38.0000°,Azm158.0000° ; P -7.7446,Plg33.0000°,Azm278.0000° M0 8.55000×10^{17}
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=11.6km az=139.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; Mrr1.08 Mθθ2.02 Mφφ-3.11 Mrθ3.50 Mθφ-1.55 Mφr-5.95 NP1:φs153.02000°,δ85.93000°,λ66.61000°. NP2:φs53.70000°,δ23.72000° ,λ169.84000°. Principal axes: T 7.7638,Plg44.0000°,Azm40.0000°; N -0.3717,Plg23.0000° ,Azm155.0000°; P -7.3921,Plg37.0000°,Azm264.0000° M0 7.58000×10^{17}
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to mantle waves, cutoff=125s. Triangular moment-rate function. Moment Tensor Solution. s116,c192; s4,c4;Duration: 2s2 Moment tensor: Scale 10^{18}Nm; Mrr0.01±.01 Mθθ0.52±.02; Mφφ-0.52±.02; Mrθ0.34±.02; Mθφ-0.28±.02; Mφr-0.68±.02; Best double couple: NP1:φs150.00000°,δ90.00000°,λ52.00000°. NP2:φs60.00000°,δ38.00000°,λ180.00000°. Principal axes: T 0.9340,Plg34.0000° ,Azm29.0000°; N 0.0530,Plg38.0000°,Azm151.0000°; P -0.9870,Plg34.0000°,Azm272.0000° M0 0.96000×10^{18}
ISC Event type ke. Hypocentre not reviewed by the ISC.
(220) Northwest of Kuril Islands
ISC II 25 04 39 59.4–.39 47.59N–.04 147.09E–.04 410–3 4.5b 731 2-152
BJI II 25 04 39 57.3–.00 47.72N 146.97E 396 4.8b,4.7b **¶610240971**
MOS II 25 04 39 58.4–.83 47.64N 147.03E 411 4.4b,4.7b
SKHL II 25 04 39 58.2–.10 47.50N 147.10E 407–9 5.5,5.4b
NEIC II 25 04 39 59.1–1.3 47.68N–.09 147.1E–.10 403–6 4.6b,5.4b
NIED II 25 04 40 00.0 46.97N 147.36E 443 4.5W,5.4b
IDC II 25 04 40 00.1–.82 47.72N 146.96E 412–8 4.7,3.9b
JMA II 25 04 40 00.0–.43 47N–3.0 147E–3.0 443 4.6,3.9b
ISC Event type ke. Moment Tensor Solution. NP1:φs187.51839°,δ23.56335°,λ10.37121°. NP2: φs87.99541°,δ85.87301°,λ113.21944°. Principal axes: T Plg44.3497°,Azm20.9408° ; N Plg23.1557°,Azm266.2270°; P Plg36.6738°,Azm157.6558°
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s2 Moment tensor: Scale 10^{15}Nm; Mrr3.83 Mθθ-3.07 Mφφ-0.76 Mrθ4.26 Mθφ-3.02 Mφr0.99 NP1:φs73.00000°,δ68.00000°,λ107.00000°. NP2:φs214.00000° ,δ27.00000°,λ54.00000°. M0 6.32000×10^{15}
JMA Event type se. SOUTHERN SEA OF OKHOTSK .
(177) Kermadec Islands region
ISC II 26 15 36 18.0–.88 31.50S–.08 179.7W–.10 400 56 3-152
NOU II 26 15 36 18.5 31.45S 179.64W 449 4.2b **¶610385072**
WEL II 26 15 36 28.0–.51 32S–5.0 179E–9.0 33 5.4L,5.2b
IDC II 26 15 36 30.3–42 30.67S 179.23E 518–368 3.6,2.7b
ISC Event type ke.
NOU Kermadec Islands Region.
WEL Error ellipse: s-maj=0.0km s-min=0.0km az=117.6. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=383.9km s-min=95.4km az=132.0.
(259) Mindanao
ISC III 06 01 39 02.9–.28 5.62N–.04 124.01E–.05 529 4.7b 338 1-123
BJI III 06 01 38 57.7–.00 5.13N 124.32E 529 4.9b,4.8b **¶610245517**
MAN III 06 01 39 01.5 5.64N 124.16E 534 5.2b,4.2s
IDC III 06 01 39 03.6–.62 5.61N 124.02E 537–7 4.7,3.8b
NEIC III 06 01 39 03.1–1.3 5.64N–.09 124.0E–.10 529–8 4.6b,3.8b
DJA III 06 01 39 03.3–.20 6N–3.0 124E–2.0 518–3 5.8,5.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(171) South of Fiji Islands
ISC III 06 18 18 02.3–.28 23.97S–.04 179.03E–.04 565–2 5.0b 832 6-169
BJI III 06 18 18 01.5–.00 23.63S 179.03E 551 5.0b,4.9b **¶610470924**
MOS III 06 18 18 01.1–.84 23.99S 179.00E 559 5.1b,4.9b
IDC III 06 18 18 02.3–.44 23.98S 178.95E 557–4 5.3,4.4b
NOU III 06 18 18 02.4 23.96S 179.21E 577 4.9L,4.4b
NEIC III 06 18 18 02.1–2.2 24.02S–.09 179.0E–.10 558–5 5.0b,4.4b
GCMT III 06 18 18 06.2–.50 24.01S–.06 178.85E–.05 563–3 5.3W,4.4b
ISC Event type se. Moment Tensor Solution. NP1:φs269.84860°,δ24.76373°,λ-59.24386°. NP2: φs56.60992°,δ68.90208°,λ-103.27343°. Principal axes: T Plg22.8022°,Azm156.7534° ; N Plg12.3690°,Azm61.4636°; P Plg63.7167°,Azm305.1016°
NOU South of Fiji Islands.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. Moment Tensor Solution. s50,c60;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; Mrr0.01±.04 Mθθ0.12±.07; Mφφ-0.13±.07; Mrθ-0.91±.06; Mθφ0.18±.06; Mφr-0.62±.07; Best double couple: NP1: φs55.00000°,δ87.00000°,λ-93.00000°. NP2:φs286.00000°,δ4.00000°,λ-39.00000°. Principal axes: T 1.2230,Plg42.0000°,Azm148.0000°; N -0.2230,Plg3.0000°,Azm55.0000° ; P -1.0000,Plg47.0000°,Azm322.0000° M0 1.11100×10^{17}
(177) Kermadec Islands region
ISC III 06 19 26 00.4–.23 31.16S–.04 179.89W–.04 400 4.9b 736 3-171
BJI III 06 19 25 58.9–.00 31.11S 179.30W 406 5.2b,4.8b **¶611831971**
NEIC III 06 19 25 59.3–1.4 31.18S–.09 179.9W–.10 384–5 4.9b,4.8b
MOS III 06 19 25 59.0–.78 31.03S 179.99E 390 5.0b,4.8b
IDC III 06 19 26 00.7–.97 30.95S 179.95W 397–9 4.9,4.2b
NOU III 06 19 26 01.5 31.15S 179.72W 417 5.0b,4.2b
GCMT III 06 19 26 03.3–.20 31.08S–.02 179.87W–.02 388–1 5.4W,4.2b
WEL III 06 19 26 05.5–1.4 32S–28 178W–35 446–95 6.7,6.3L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Kermadec Islands Region.
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. Moment Tensor Solution. s108,c174;Duration: 1s3 Moment tensor: Scale 10^{17}Nm; Mrr-0.97±.03 Mθθ-0.49±.05; Mφφ1.45±.04; Mrθ-0.79±.04; Mθφ-0.39±.04; Mφr-0.74±.04; Best double couple: NP1: φs21.00000°,δ67.00000°,λ-52.00000°. NP2:φs138.00000°,δ43.00000°,λ-146.00000°. Principal axes: T 1.6730,Plg14.0000°,Azm85.0000°; N 0.0860,Plg34.0000°,Azm185.0000° ; P -1.7620,Plg52.0000°,Azm336.0000° M0 1.71800×10^{17}
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
(181) Fiji Islands region

ISC III 12 10 09 36.8–.29 21.67S–.04 179.22W–.04 596–2 5.1b 1303 3-171
BJI III 12 10 09 34.9–.00 21.38S 178.79W 593 5.0b,4.8b ¶610325608
MOS III 12 10 09 35.1–1.3 21.56S 179.30W 585 5.1b,4.8b
NEIC III 12 10 09 36.5–2.0 21.64S–.09 179.24W–.09 584–4 5.1b,4.8b
NOU III 12 10 09 36.4 21.63S 179.15W 592 5.0L,4.8b
BGR III 12 10 09 37.3 22.69S 179.11W 626–9 5.0L,4.8b
IDC III 12 10 09 37.1–.40 21.65S 179.32W 596–3 5.3,4.3b
GCMT III 12 10 09 40.5–.20 21.79S–.02 179.10W–.02 611–1 5.4W,4.3b
ISC Event type ke. Moment Tensor Solution. NP1:ϕs216.77806°,δ88.25354°,λ115.56581°. NP2: ϕs310.42331°,δ25.62139°,λ4.04151°. Principal axes: T Plg41.2334°,Azm150.7173° ; N Plg25.5531°,Azm35.9428°; P Plg38.0266°,Azm283.9864°
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Fiji Islands Region.
BGR Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. Moment Tensor Solution. s113,c185;Duration: 1s2 Moment tensor: Scale 10^17Nm; Mrr0.87±.03 Mθθ0.27±.04; Mϕϕ-1.14±.04; Mrθ-0.54±.04; Mθϕ-0.22±.04; Mϕr-1.16±.04; Best double couple: NP1: ϕs203.00000°,δ71.00000°,λ102.00000°. NP2:ϕs349.00000°,δ22.00000°,λ58.00000°. Principal axes: T 1.5350,Plg62.0000°,Azm131.0000°; N 0.2250,Plg12.0000°,Azm19.0000° ; P -1.7600,Plg25.0000°,Azm283.0000° M0 1.64700×10^17

(275) Java Sea
ISC III 14 04 36 29.3–.27 5.69S–.03 110.09E–.04 548–2 5.1b 1326 1-177
MOS III 14 04 36 28.4–.81 5.51S 110.19E 545 5.1b ¶610327662
DJA III 14 04 36 29.1–.10 6S–2.0 110E–1.0 538–1 5.4b,5.2
IDC III 14 04 36 29.6–.46 5.60S 110.23E 547–4 5.4,4.6b
NEIC III 14 04 36 30.1–1.9 5.62S–.08 110.18E–.07 546–4 5.1b,4.6b
KLM III 14 04 36 34 5.27S 110.08E 572 5.9b,4.6b
ISC Event type se.
MOS Error ellipse: s-maj=8.3km s-min=4.3km az=118.8.
IDC Error ellipse: s-maj=8.6km s-min=5.1km az=54.0.
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=9.9km az=151.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(171) South of Fiji Islands
ISC III 16 08 29 14.4–.30 23.65S–.04 179.18E–.04 547–3 5.0b 1038 6-170
BJI III 16 08 29 12.5–.00 23.21S 179.62E 535 5.0b,4.9b ¶615092526
MOS III 16 08 29 13.9–.81 23.63S 179.10E 545 5.0b,4.9b
NOU III 16 08 29 14.5 23.54S 179.47E 570 5.1b,4.9b
NEIC III 16 08 29 14.1–1.3 23.72S–.08 179.2E–.10 537–7 5.0b,4.9b
IDC III 16 08 29 15.2–.45 23.60S 179.09E 550–4 5.3,4.4b
GCMT III 16 08 29 18.1–.20 23.58S–.02 179.15E–.02 555–1 5.4W,4.4b
ISC Event type se. Moment Tensor Solution. NP1:ϕs313.95566°,δ51.97287°,λ-59.31967°. NP2: ϕs90.03303°,δ47.35452°,λ-123.12244°. Principal axes: T Plg2.4894°,Azm22.7854° ; N Plg23.6990°,Azm113.8789°; P Plg66.1545°,Azm287.1407°
NOU South of Fiji Islands.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. Moment Tensor Solution. s119,c198;Duration: 1s2 Moment tensor: Scale 10^17Nm; Mrr-1.49±.03 Mθθ1.20±.05; Mϕϕ0.28±.05; Mrθ0.20±.06; Mθϕ-0.90±.04; Mϕr-0.17±.05; Best double couple: NP1: ϕs303.00000°,δ50.00000°,λ-88.00000°. NP2:ϕs120.00000°,δ41.00000°,λ-93.00000°. Principal axes: T 1.7740,Plg5.0000°,Azm32.0000°; N -0.2690,Plg2.0000°,Azm122.0000° ; P -1.5110,Plg85.0000°,Azm232.0000° M0 1.64300×10^17

(181) Fiji Islands region
ISC III 17 23 25 58.4–.27 18.05S–.05 178.35W–.05 579 4.9b 738 3-159
BGR III 17 23 24 53.8 19.55S 178.54W 33 4.9b ¶610344596
BJI III 17 23 25 58.4–.00 17.78S 178.27W 585 4.8b,4.6b
NOU III 17 23 25 59.5 18.02S 178.33W 593 5.2b,4.6b
NEIC III 17 23 26 00.2–1.5 18.13S–.10 178.3W–.10 595–7 4.9b,4.6b
IDC III 17 23 26 00.2–1.2 17.98S 178.48W 592–12 5.1,4.2b
ISC Event type se. Moment Tensor Solution. NP1:ϕs184.62454°,δ78.50035°,λ118.91831°. NP2: ϕs294.46759°,δ30.93634°,λ22.81763°. Principal axes: T Plg48.3728°,Azm125.6044° ; N Plg28.2848°,Azm358.3395°; P Plg27.7454°,Azm251.8969°
BGR Event type ke.
NOU Fiji Islands Region.
NEIC Event type se. Error ellipse: s-maj=15.9km s-min=13.0km az=133.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=18.6km s-min=10.2km az=145.0.

(230) Near south coast of eastern Honshu
ISC III 27 10 22 20.1–.50 34.29N–.05 136.97E–.04 348–4 4.3b 250 0-151
JMA III 27 10 22 19.7–.16 34.4N–.80 137.0E–.70 353–1 3.8 ¶610436972
NIED III 27 10 22 19.7 34.37N 136.97E 353 4.4W
NEIC III 27 10 22 20.1–1.7 34.29N–.08 136.94E–.09 341–6 4.4b
BGR III 27 10 22 20.4 34.22N 137.01E 347 6.6,6.2b
IDC III 27 10 22 20.1–.72 34.26N 136.98E 347–6 4.5,3.8b
ISC Event type ke.
JMA Event type ke. ENSYUNADA .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^15Nm; Mrr0.88 Mθθ0.48 Mϕϕ-1.36 Mrθ1.49 Mθϕ-0.98 Mϕr-3.83 NP1:ϕs162.00000°,δ85.00000°,λ72.00000°. NP2:ϕs56.00000° ,δ19.00000°,λ163.00000°. M0 4.38000×10^15
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=9.7km az=137.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BGR Event type ke.
IDC Error ellipse: s-maj=10.1km s-min=7.6km az=123.0.

(181) Fiji Islands region
ISC IV 08 01 13 14.2–.30 21.41S–.05 178.88W–.07 600 4.6b 658 3-172
NEIC IV 08 01 13 08.0–1.6 21.3S–.10 178.8W–.20 522–7 4.6b ¶615092569
BGR IV 08 01 13 10.5 21.61S 178.44W 600 4.6b
BJI IV 08 01 13 10.6–.00 20.90S 178.63W 553 5.0b,4.6b
NOU IV 08 01 13 12.7 21.42S 178.75W 583 4.5b,4.6b
IDC IV 08 01 13 13.6–1.0 21.31S 179.00W 582–11 4.8,3.9b
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=21.6km s-min=17.9km az=104.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BGR Event type ke.
NOU Fiji Islands Region.
IDC Error ellipse: s-maj=11.2km s-min=8.8km az=124.0.

(181) Fiji Islands region
ISC IV 08 07 58 27.2–.40 19.82S–.04 177.43W–.05 399–4 4.9b 404 2-173
BJI IV 08 07 58 26.0–.00 19.80S 177.40W 390 5.4b,4.9b ¶610521486
IDC IV 08 07 58 27.0–.76 19.76S 177.49W 389–7 4.7,3.9b
NOU IV 08 07 58 27.6 19.74S 177.37W 406 5.0b,3.9b
NEIC IV 08 07 58 28.4–2.2 19.74S–.07 177.41W–.07 407–7 4.9b,3.9b
ISC Event type se.
NOU Fiji Islands Region.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(181) Fiji Islands region
ISC IV 10 23 10 41.7–.41 18.05S–.05 178.36W–.05 586–4 4.8b 756 0-175
NEIC IV 10 23 10 40.8–1.6 18.0S–.10 178.4W–.10 562–6 4.7b ¶610526197
NOU IV 10 23 10 41.8 17.93S 178.40W 586 5.2b
IDC IV 10 23 10 43.2–.60 17.98S 178.53W 597–6 5.1,4.1b
ISC Event type se. Moment Tensor Solution. NP1:ϕs69.15513°,δ37.70592°,λ156.56558°. NP2: ϕs178.08351°,δ75.92237°,λ54.65237°. Principal axes: T Plg47.0063°,Azm51.2203° ; N Plg34.1361°,Azm187.8721°; P Plg22.7954°,Azm294.4266°
NEIC Event type se. Error ellipse: s-maj=15.8km s-min=12.6km az=137.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Fiji Islands Region.
IDC Error ellipse: s-maj=11.9km s-min=8.3km az=146.0.

(660) Sea of Japan
ISC IV 12 07 34 59.5–.29 38.57N–.03 133.76E–.03 459–3 4.5b 839 2-152
NIED IV 12 07 34 57.3 38.60N 133.89E 480 5.2W ¶610526855
BGR IV 12 07 34 57.0 38.50N 134.50E 440 4.6b
JMA IV 12 07 34 57.3–.19 39N–1.0 134E–1.0 480–2 5.2,5.1W
BJI IV 12 07 34 58.6–.00 38.61N 133.67E 467 5.1b,5.1b
MOS IV 12 07 34 58.2–1.1 38.63N 133.79E 454 4.6b,5.1b
IDC IV 12 07 34 59.7–.38 38.63N 133.76E 455–4 4.8,3.9b
NEIC IV 12 07 35 00.0–1.7 38.60N–.08 133.8E–.10 459–6 4.5b,3.9b
ISC Event type ke. Moment Tensor Solution. NP1:ϕs319.28122°,δ73.00436°,λ-50.91853°. NP2: ϕs69.07562°,δ42.06809°,λ-154.13460°. Principal axes: T Plg18.5561°,Azm21.2324° ; N Plg37.0773°,Azm125.9271°; P Plg47.0213°,Azm270.1171°
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^16Nm; Mrr-1.37 Mθθ3.57 Mϕϕ-2.20 Mrθ4.21 Mθϕ2.08 Mϕr-2.82 NP1:ϕs294.00000°,δ82.00000°,λ-55.00000°. NP2:ϕs35.00000° ,δ36.00000°,λ-167.00000°. M0 6.28000×10^16
BGR Event type ke.
JMA Event type ke. SEA OF JAPAN .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(181) Fiji Islands region
ISC IV 13 17 05 54.7–.22 18.28S–.03 178.13W–.03 496–2 5.2b 2379 1-175
BGR IV 13 17 05 52.9 19.21S 176.95W 495–4 5.2b ¶610598356
BJI IV 13 17 05 53.7–.00 18.13S 177.85W 497 5.1b,4.8b
NEIC IV 13 17 05 54.3 18.31S 178.19W 510 5.1b,4.8b
IDC IV 13 17 05 54.9–.51 18.27S 178.28W 488–5 5.6,4.8b
NEIC IV 13 17 05 54.3 18.41S 178.19W 510 5.6,4.8b
NEIC IV 13 17 05 54.5 18.25S 178.15W 499 5.6,4.8b
NEIC IV 13 17 05 55.9–2.3 18.23S–.09 178.17W–.09 502–3 5.8,5.8
NOU IV 13 17 05 55.5 18.27S 178.16W 489 5.2L,5.8
MOS IV 13 17 05 55.0–.99 18.23S 178.28W 501 5.3b,5.8
GCMT IV 13 17 05 57.9–.10 18.30S–.01 178.05W–.01 504–0 5.8W,5.8
ISC Event type ke.
BGR Event type ke.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 3s9 Moment tensor: Scale 10^17Nm; Mrr4.39 Mθθ0.78 Mϕϕ-5.17 Mrθ-3.71 Mθϕ0.19 Mϕr-0.21 NP1:ϕs206.28000°,δ53.79000° ,λ131.12000°. NP2:ϕs330.37000°,δ52.57000°,λ48.07000°. Principal axes: T 6.7234,Plg58.0000°,Azm177.0000°; N -1.5421,Plg32.0000°,Azm359.0000° ; P -5.1813,Plg1.0000°,Azm269.0000° M0 5.95000×10^17
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^17Nm; Mrr4.18 Mθθ0.54 Mϕϕ-4.72 Mrθ-3.66 Mθϕ-0.63 Mϕr-1.33 NP1:ϕs217.09000°,δ63.88000°,λ121.37000°. NP2:ϕs342.93000° ,δ39.95000°,λ43.29000°. Principal axes: T 6.5050,Plg59.0000°,Azm172.0000° ; N -1.2944,Plg28.0000°,Azm22.0000°; P -5.2107,Plg13.0000°,Azm285.0000° M0 5.96000×10^17
NOU Fiji Islands Region.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to mantle waves, cutoff=125s. Triangular moment-rate function. Moment Tensor Solution. s150,c296; s95,c99;Duration: 1s9 Moment tensor: Scale 10^17Nm; Mrr4.68±.05 Mθθ0.31±.08; Mϕϕ-4.99±.08; Mrθ-3.13±.08; Mθϕ-0.29±.07; Mϕr-0.71±.07; Best double couple: NP1:ϕs209.00000°,δ57.00000°,λ122.00000°. NP2:ϕs340.00000°,δ45.00000°,λ51.00000°. Principal axes: T 6.3350,Plg63.0000° ,Azm175.0000°; N -1.2290,Plg27.0000°,Azm10.0000°; P -5.1040,Plg6.0000°,Azm277.0000° M0 5.71900×10^17

(262) Celebes Sea
ISC IV 13 23 44 29.6–.50 2.07N–.05 124.03E–.07 323 4.0b 59 2-82
NEIC IV 13 23 44 29.4–2.2 2.15N–.10 124.10E–.07 322–10 4.2b ¶610527972
DJA IV 13 23 44 30.9–.30 2N–5.0 124E–4.0 322–4 5.2b,4.5
IDC IV 13 23 44 35.2–2.7 2.13N 124.02E 395–31 4.3,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.4km s-min=9.2km az=194.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=29.0km s-min=8.8km az=69.0.

(280) Banda Sea
ISC IV 17 00 37 44.4–.39 7.10S–.04 124.86E–.05 559–4 4.5b 339 3-153
DJA IV 17 00 37 44.8–.10 7S–2.0 125E–2.0 545–2 5.2,5.0b ¶610529009
IDC IV 17 00 37 45.2–.83 7.06S 124.88E 568–9 4.8,3.8b
NEIC IV 17 00 37 45.5–1.7 7.06S–.08 124.86E–.09 565–7 4.5b,3.8b
ISC Event type se. Moment Tensor Solution. NP1:ϕs72.60147°,δ59.60732°,λ-58.99679°. NP2: ϕs202.69521°,δ42.32401°,λ-131.28961°. Principal axes: T Plg9.5005°,Azm140.9299° ; N Plg26.3787°,Azm235.6907°; P Plg61.7077°,Azm32.8160°
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(181) Fiji Islands region
ISC IV 18 07 12 07.9–.41 18.78S–.05 177.56W–.05 633–4 4.7b 380 1-174
NEIC IV 18 07 12 07.0–1.6 18.8S–.10 177.6W–.10 609–7 4.8b ¶610529605
NOU IV 18 07 12 07.6 18.64S 177.58W 636 5.0b
IDC IV 18 07 12 09.3–.95 18.74S 177.77W 643–10 4.8,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.0km s-min=15.8km az=111.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Fiji Islands Region.
IDC Error ellipse: s-maj=13.4km s-min=9.8km az=154.0.

(181) Fiji Islands region
ISC IV 18 17 11 47.4–.19 18.04S–.03 178.41W–.03 632–1 5.4b 2199 0-175
BJI IV 18 17 11 46.9–.00 17.19S 178.20W 604 5.2b,4.9b ¶610652991
NEIC IV 18 17 11 47 18.07S 178.38W 628 5.2b,4.9b
MOS IV 18 17 11 47.6–1.5 17.95S 178.49W 637 5.5b,4.9b
NEIC IV 18 17 11 47.0–2.2 18.09S–.08 178.37W–.07 628–1 6.1,6.0
NEIC IV 18 17 11 47 18.07S 178.38W 630 6.1,6.0
NEIC IV 18 17 11 48.2 18.06S 178.42W 639 6.1,6.0
NOU IV 18 17 11 48.1 18.07S 178.40W 637 5.3L,6.0
IDC IV 18 17 11 48.6–.38 18.08S 178.50W 642–3 5.7,4.7b
GCMT IV 18 17 11 54.0–.10 18.03S–.01 178.37W–.01 646–0 6.1W,4.7b
ISC Event type se. Moment Tensor Solution. NP1:ϕs134.49692°,δ80.50232°,λ95.87124°. NP2: ϕs282.56580°,δ11.15172°,λ58.55705°. Principal axes: T Plg54.1383°,Azm51.5893° ; N Plg5.7905°,Azm313.5248°; P Plg35.2453°,Azm219.4157°
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^18Nm; Mrr-0.71 Mθθ-0.33 Mϕϕ1.05 Mrθ1.35 Mθϕ-0.43 Mϕr-0.63 NP1:ϕs306.83000°,δ77.51000°,λ-117.54000°. NP2:ϕs194.31000° ,δ30.04000°,λ-25.59000°. Principal axes: T 1.6903,Plg27.0000°,Azm58.0000° ; N 0.2057,Plg27.0000°,Azm313.0000°; P -1.8960,Plg50.0000°,Azm186.0000° M0 1.80000×10^18
NEIC Event type se. Moment Tensor Solution.Duration: 5s2 Moment tensor: Scale 10^18Nm; Mrr-0.56 Mθθ-0.35 Mϕϕ0.92 Mrθ0.65 Mθϕ-0.32 Mϕr-0.71 NP1:ϕs320.03000°,δ73.95000° ,λ-116.02000°. NP2:ϕs200.50000°,δ30.27000°,λ-33.26000°. Principal axes: T 1.3788,Plg25.0000°,Azm70.0000°; N -0.1994,Plg25.0000°,Azm328.0000° ; P -1.1794,Plg54.0000°,Azm198.0000° M0 1.28000×10^18
NEIC Event type se.
NOU Fiji Islands Region.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to mantle waves, cutoff=125s. Triangular moment-rate function. Moment Tensor Solution. s163,c358; s118,c139; Duration: 2s7 Moment tensor: Scale 10^18Nm; Mrr-0.83±.01 Mθθ-0.26±.01; Mϕϕ1.08±.01; Mrθ1.23±.01; Mθϕ-0.69±.01; Mϕr-0.43±.01; Best double couple: NP1:ϕs303.00000°,δ73.00000° ,λ-122.00000°. NP2:ϕs189.00000°,δ36.00000°,λ-29.00000°. Principal axes: T 1.7270,Plg22.0000°,Azm57.0000°; N 0.0780,Plg31.0000°,Azm314.0000° ; P -1.8080,Plg51.0000°,Azm177.0000° M0 1.76700×10^18

(185) Vanuatu Islands region
ISC IV 19 05 01 05.9–.30 14.11S–.04 170.18E–.04 617–2 4.8b 784 7-171
BJI IV 19 05 01 04.2–.00 13.94S 170.44E 619 4.8b,4.7b ¶615092592
IDC IV 19 05 01 05.4–.50 14.07S 170.19E 608–5 5.2,4.2b
NEIC IV 19 05 01 06.0–2.3 14.05S–.09 170.3E–.10 611–6 4.8b,4.2b
NOU IV 19 05 01 06.1 13.99S 170.16E 617 5.1b,4.2b
GCMT IV 19 05 01 08.0–.20 13.95S–.02 170.08E–.02 619–1 5.6W,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Vanuatu Islands Region.
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. Moment Tensor Solution. s132,c207;Duration: 1s5 Moment tensor: Scale 10^17Nm; Mrr-2.17±.05 Mθθ1.38±.08; Mϕϕ0.78±.08; Mrθ1.27±.07; Mθϕ1.99±.07; Mϕr-0.57±.07; Best double couple: NP1: ϕs257.00000°,δ59.00000°,λ-53.00000°. NP2:ϕs21.00000°,δ47.00000°,λ-135.00000°. Principal axes: T 3.1670,Plg7.0000°,Azm321.0000°; N -0.1740,Plg31.0000°,Azm55.0000° ; P -2.9940,Plg58.0000°,Azm220.0000° M0 3.08100×10^17

(280) Banda Sea
ISC IV 21 15 49 36.6–.59 4.43S–.08 127.22E–.07 350 4.0b 59 1-86
NEIC IV 21 15 49 36.5–.82 4.4S–.10 127.18E–.10 348–16 4.1b ¶610653209
DJA IV 21 15 49 37.7–.40 4S–3.0 127E–4.0 334–5 5.2b,4.6
IDC IV 21 15 49 37.7–3.4 4.46S 127.22E 357–47 4.3,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.8km s-min=13.0km az=202.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=65.4km s-min=13.9km az=68.0.
(181) Fiji Islands region
ISC IV 26 17 31 13.5–.32 17.91S–.04 178.48W–.04 573–3 5.0b 1415 0-175
MOS IV 26 17 31 11.2–1.0 17.76S 178.62W 546 5.0b ¶610559272
NEIC IV 26 17 31 13.8–1.9 17.9S–.10 178.5W–.10 568–5 5.2,5.0b
BJI IV 26 17 31 13.1–.00 17.35S 178.90W 540 4.7b,4.7b
NOU IV 26 17 31 14.0 17.83S 178.53W 574 5.0L,4.7b
IDC IV 26 17 31 14.8–.60 17.88S 178.60W 582–6 5.3,4.4b
GCMT IV 26 17 31 16.8–.50 18.06S–.05 178.54W–.06 583–3 5.4W,4.4b
ISC Event type se. Moment Tensor Solution. NP1:φs45.21417°,δ48.01754°,λ170.65453°. NP2: φs141.49612°,δ83.06690°,λ42.36338°. Principal axes: T Plg33.9411°,Azm12.4624° ; N Plg47.1792°,Azm149.0362°; P Plg22.8072°,Azm266.0225°
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Fiji Islands Region.
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. Moment Tensor Solution. s57,c67;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; Mrr-0.01±.05 Mθθ0.84±.08; Mφφ-0.83±.09; Mrθ0.43±.10; Mθφ-0.46±.09; Mφr-1.05±.08; Best double couple: NP1: φs331.00000°,δ89.00000°,λ-50.00000°. NP2:φs62.00000°,δ40.00000°,λ-179.00000°. Principal axes: T 1.3990,Plg32.0000°,Azm28.0000°; N 0.1590,Plg40.0000°,Azm150.0000° ; P -1.5580,Plg33.0000°,Azm274.0000° M01.47800×10^{17}
(280) Banda Sea
ISC IV 27 00 57 26.5–.54 7.29S–.06 126.77E–.07 350 3.6b 48 3-126
NEIC IV 27 00 57 26.9–1.3 7.3S–.10 126.82E–.07 342–10 4.0b ¶610650096
DJA IV 27 00 57 26.4–.40 7S–4.0 127E–5.0 312–6 7.5,7.2
IDC IV 27 00 57 27.7–3.5 7.20S 126.95E 354–38 4.0,3.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.5km s-min=9.7km az=189.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=50.8km s-min=11.2km az=76.0.
(280) Banda Sea
ISC IV 28 10 12 54.9–.52 4.95S–.06 128.18E–.06 350 3.9b 62 2-85
DJA IV 28 10 12 54.8–.30 5S–4.0 128E–3.0 335–5 5.2b,4.6 ¶610650216
IDC IV 28 10 12 55.2–2.3 4.91S 128.41E 357–30 4.2,3.3b
NEIC IV 28 10 12 55.2–1.9 5.01S–.09 128.1E–.10 333–11 4.4b,3.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(275) Java Sea
ISC V 05 02 53 33.4–.29 5.69S–.04 110.03E–.05 554–2 4.8b 956 1-177
BJI V 05 02 53 32.0–.00 5.70S 110.10E 550 5.1b,4.6b ¶610598537
MOS V 05 02 53 32.9–.82 5.55S 110.15E 563 4.8b,4.6b
NEIC V 05 02 53 33.7–2.0 5.66S–.07 110.06E–.09 550–5 4.8b,4.6b
IDC V 05 02 53 33.9–.59 5.56S 110.12E 554–6 5.2,4.3b
DJA V 05 02 53 33.6–.20 6S–4.0 110E–2.0 559–3 5.3b,5.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(711) Southwestern Kashmir
ISC V 06 09 52 28.9–.23 36.65N–.03 71.51E–.02 411–1 5.0b 1577 3-151
BGR V 06 09 51 21.8 33.21N 74.71E 33 5.6,5.4b ¶611833816
SOME V 06 09 52 22.0 35.93N 72.03E 5 5.6,5.4b
MOS V 06 09 52 27.9–.94 36.64N 71.55E 413 5.1b,5.4b
BJI V 06 09 52 28.1–.00 36.71N 71.50E 411 4.8b,4.6b
NEIC V 06 09 52 28.8–1.7 36.65N–.07 71.55E–.09 401–4 5.0b,4.6b
IDC V 06 09 52 29.3–.31 36.61N 71.58E 414–2 5.4,4.6b
GCMT V 06 09 52 29.8–.40 36.53N–.04 71.55E–.04 423–2 5.3W,4.6b
NNC V 06 09 52 30.1–1.6 36.81N 71.42E 414–16 6.0,4.6b
ISC Event type ke.
BGR Event type ke.
MOS Error ellipse: s-maj=4.4km s-min=3.1km az=106.5.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=9.8km az=107.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=5.7km s-min=4.4km az=178.0.
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. Moment Tensor Solution. s68,c85;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; Mrr0.19±.03 Mθθ0.24±.04; Mφφ-0.43±.04; Mrθ0.87±.04; Mθφ0.43±.04; Mφr-0.38±.06; Best double couple: NP1: φs116.00000°,δ84.00000°,λ61.00000°. NP2:φs15.00000°,δ29.00000°,λ168.00000°. Principal axes: T 1.0890,Plg44.0000°,Azm358.0000°; N 0.0380,Plg28.0000°,Azm119.0000° ; P -1.1280,Plg33.0000°,Azm229.0000° M01.10900×10^{17}
NNC Event type se. Error ellipse: s-maj=19.9km s-min=12.7km az=173.0.
(259) Mindanao
ISC V 16 02 41 40.5–.72 5.89N–.06 124.42E–.09 400 3.3b 40 1-54
IDC V 16 02 40 55.2–1.9 6.77N 125.34E 0 3.8,3.8b ¶610690376
MAN V 16 02 41 35.9 5.83N 124.26E 440 4.5b,3.4L
DJA V 16 02 41 39.4–.50 6N–5.0 124E–2.0 384–4 5.1,5.1b
ISC Event type ke.
(259) Mindanao
ISC V 20 01 06 13.9–.19 9.32N–.02 123.97E–.03 540–1 5.7b 2558 0-173
MAN V 20 01 06 12.5 9.43N 124.16E 564 6.0b,5.6s ¶611600213
MOS V 20 01 06 13.2–.98 9.35N 123.95E 541 5.8b,4.8s
KLM V 20 01 06 13 9.53N 124.32E 541 6.3b,4.8s
BJI V 20 01 06 13.1–.00 9.32N 123.95E 540 6.1b,6.0b
NEIC V 20 01 06 14.2 9.38N 123.97E 560 6.1b,6.0b
NEIC V 20 01 06 14.2–2.0 9.38N–.07 123.95E–.08 533–1 6.0,6.0
IDC V 20 01 06 14.7–.45 9.32N 123.94E 549–4 6.0,5.1b
NEIC V 20 01 06 14.1 9.38N 123.98E 532 6.0,5.1b
NEIC V 20 01 06 14.2 9.38N 124.17E 560 6.0,5.1b
DJA V 20 01 06 14.3–.20 9N–2.0 124E–2.0 525–3 7.0,6.1b
BGR V 20 01 06 15.3 9.35N 123.95E 550 6.4,5.9b
GCMT V 20 01 06 16.2–.10 9.33N–.01 124.02E–.01 545–0 6.0W,5.9b
ISC Event type ke.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; Mrr-0.26 Mθθ-0.40 Mφφ0.67 Mrθ-0.88 Mθφ-0.29 Mφr0.38 NP1:φs21.99000°,δ33.31000°,λ-13.86000°. NP2:φs123.64000°,δ82.44000° ,λ-122.54000°. Principal axes: T 1.0904,Plg30.0000°,Azm240.0000°; N 0.1279,Plg32.0000° ,Azm128.0000°; P -1.2183,Plg43.0000°,Azm2.0000° M01.16000×10^{18}
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 4s8 Moment tensor: Scale 10^{18}Nm; Mrr-0.21 Mθθ-0.47 Mφφ0.67 Mrθ-0.73 Mθφ-0.42 Mφr0.34 NP1:φs121.17000°,δ82.74000° ,λ-130.50000°. NP2:φs22.75000°,δ41.03000°,λ-11.09000°. Principal axes: T 1.0901,Plg26.0000°,Azm242.0000°; N -0.0076,Plg40.0000°,Azm127.0000° ; P -1.0825,Plg39.0000°,Azm355.0000° M01.09000×10^{18}
BGR Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to mantle waves, cutoff=125s. Triangular moment-rate function. Moment Tensor Solution. s159,c337; s114,c137; Duration: 2s4 Moment tensor: Scale 10^{18}Nm; Mrr-0.21±.01 Mθθ-0.47±.01 Mφφ0.67±.01; Mrθ-0.88±.01; Mθφ-0.36±.01; Mφr0.39±.01; Best double couple: NP1:φs122.00000°,δ84.00000° ,λ-125.00000°. NP2:φs23.00000°,δ36.00000°,λ-11.00000°. Principal axes: T 1.1420,Plg30.0000°,Azm240.0000°; N 0.0800,Plg35.0000°,Azm126.0000° ; P -1.2220,Plg41.0000°,Azm359.0000° M01.18200×10^{18}
(179) South of Kermadec Islands
ISC V 23 04 58 38.0–.39 32.48S–.05 179.68E–.07 400 4.2b 198 4-162
NEIC V 23 04 58 37.7–1.6 32.46S–.09 179.6E–.10 387–3 4.3b ¶610667722
IDC V 23 04 58 38.5–1.1 32.35S 179.61E 402–10 4.7,3.8b
NOU V 23 04 58 38.3 32.64S 179.84W 440 4.6b,3.8b
WEL V 23 04 58 40.8–1.0 33S–6.0 180W–15 360–15 5.6,5.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU South of Kermadec Islands.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
(171) South of Fiji Islands
ISC V 23 09 05 57.3–.40 24.22S–.05 178.98E–.06 550–3 4.6b 718 7-169
NOU V 23 09 05 55.6 24.05S 179.27E 553 5.0b ¶610650484
NEIC V 23 09 05 56.8–1.9 24.12S–.10 179.1E–.10 528–5 4.6b
IDC V 23 09 05 56.2–.73 24.15S 178.96E 532–7 5.0,4.1b
BGR V 23 09 05 59.4 24.26S 178.79E 557–2 5.0,4.1b
ISC Event type ke.
NOU South of Fiji Islands.
NEIC Event type se. Error ellipse: s-maj=15.6km s-min=13.8km az=109.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=12.7km s-min=10.2km az=124.0.
BGR Event type ke.
(279) Flores Sea
ISC V 24 16 39 32.7–.66 7.52S–.08 120.06E–.06 400 41 1-31
IDC V 24 16 39 34.0–1.9 7.08S 120.50E 422–25 4.2,3.5b ¶610685307
DJA V 24 16 39 34.0–.40 7S–4.0 120E–3.0 379–5 5.1b,4.5
ISC Event type ke.
(181) Fiji Islands region
ISC V 26 06 27 30.9–.29 21.06S–.04 178.75W–.04 567–2 5.0b 1075 3-172
BJI V 26 06 27 28.8–.00 20.97S 178.32W 563 4.9b,4.8b ¶610654537
NOU V 26 06 27 30.4 21.07S 178.60W 565 4.8L,4.8b
NEIC V 26 06 27 30.5–2.1 21.04S–.10 178.7W–.10 562–6 5.0b,4.8b
MOS V 26 06 27 31.3–.94 20.97S 178.88W 574 5.0b,4.8b
IDC V 26 06 27 32.2–.47 21.04S 178.88W 576–4 5.1,4.2b
BGR V 26 06 27 33.9 21.00S 178.37W 591–1 5.1,4.2b
GCMT V 26 06 27 34.5–.30 20.81S–.03 178.99W–.03 580–2 5.3W,4.2b
ISC Event type ke.
NOU Fiji Islands Region.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BGR Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. Moment Tensor Solution. s78,c103;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; Mrr-0.51±.03 Mθθ0.62±.04; Mφφ-0.10±.05; Mrθ-0.71±.04; Mθφ0.12±.04; Mφr-0.58±.04; Best double couple: NP1: φs56.00000°,δ76.00000°,λ-106.00000°. NP2:φs285.00000°,δ22.00000°,λ-42.00000°. Principal axes: T 1.0790,Plg29.0000°,Azm159.0000°; N 0.0140,Plg16.0000°,Azm60.0000° ; P -1.0930,Plg56.0000°,Azm304.0000° M01.08600×10^{17}
(190) New Ireland region
ISC VI 05 23 02 05.7–.40 3.42S–.05 153.61E–.06 356–4 4.4b 230 2-151
IDC VI 05 23 02 05.1–.47 3.36S 153.66E 349–4 4.7,4.0b ¶610664093
NEIC VI 05 23 02 06.7–1.2 3.39S–.09 153.6E–.10 361–7 4.5b,4.0b
DJA VI 05 23 02 07.6–.60 3S–5.0 154E–7.0 391–5 5.3b,4.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(181) Fiji Islands region
ISC VI 07 21 07 45.8–.33 17.77S–.04 178.77W–.04 551–3 5.2b 1457 0-175
BGR VI 07 21 07 39.8 18.56S 178.74W 500 5.2b ¶615092691
BJI VI 07 21 07 43.6–.00 17.41S 178.36W 539 5.1b,4.8b
MOS VI 07 21 07 44.9–.94 17.64S 178.91W 543 5.0b,4.8b
NEIC VI 07 21 07 45.6–1.8 17.79S–.09 178.81W–.09 540–5 5.0b,4.8b
NOU VI 07 21 07 46.6 17.78S 178.74W 556 5.0L,4.8b
IDC VI 07 21 07 47.1–.50 17.75S 178.77W 562–5 5.2,4.3b
GCMT VI 07 21 07 48.6–.30 17.51S–.03 178.87W–.04 562–2 5.3W,4.3b
ISC Event type ke.
BGR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Fiji Islands Region.
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. Moment Tensor Solution. s78,c101;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; Mrr0.65±.03 Mθθ-0.63±.05; Mφφ-0.02±.05; Mrθ0.09±.06; Mθφ0.36±.05; Mφr0.70±.05; Best double couple: NP1: φs328.00000°,δ64.00000°,λ126.00000°. NP2:φs89.00000°,δ44.00000°,λ40.00000°. Principal axes: T 1.1350,Plg55.0000°,Azm286.0000°; N -0.2970,Plg32.0000°,Azm130.0000° ; P -0.8380,Plg11.0000°,Azm33.0000° M00.98600×10^{17}
(280) Banda Sea
ISC VI 11 07 02 33.5–.35 4.41S–.04 126.09E–.05 415–3 4.8b 497 2-164
IDC VI 11 07 02 32.5–.41 4.41S 126.06E 401–4 5.2,4.4b ¶610669620
DJA VI 11 07 02 33.9–.10 4S–2.0 126E–1.0 418–2 5.5,5.3b
GCMT VI 11 07 02 34.1–.60 4.37S–.05 125.94E–.05 417–4 5.2W,5.3b
NEIC VI 11 07 02 34.1–1.5 4.41S–.08 126.08E–.08 413–6 4.8b,5.3b
ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. Moment Tensor Solution. s48,c68;Duration: 1s0 Moment tensor: Scale 10^{16}Nm; Mrr-2.18±.42 Mθθ2.48±.54; Mφφ-0.30±.66; Mrθ6.65±.73; Mθφ4.08±.54; Mφr-0.96±.74; Best double couple: NP1: φs272.00000°,δ81.00000°,λ-59.00000°. NP2:φs17.00000°,δ32.00000°,λ-163.00000°. Principal axes: T 8.1790,Plg29.0000°,Azm338.0000°; N 0.0450,Plg31.0000°,Azm87.0000° ; P -8.2260,Plg45.0000°,Azm213.0000° M08.20300×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(212) Bonin Islands region
ISC VI 13 14 31 57.7–.35 28.05N–.04 139.78E–.05 441–3 4.6b 762 2-165
BGR VI 13 14 31 08.7 26.96N 139.82E 33 5.1b ¶617195263
BJI VI 13 14 31 56.1–.00 27.99N 139.76E 443 5.1b,4.6b
NEIC VI 13 14 31 58.0–1.4 28.03N–.09 139.7E–.10 438–6 4.6b,4.6b
NIED VI 13 14 31 57.7 28.16N 140.22E 441 4.7W,4.6b
JMA VI 13 14 31 57.7–.34 28N–1.0 140E–3.0 441–4 5.4,4.7
IDC VI 13 14 31 58.1–.52 28.01N 139.73E 445–5 5.0,4.2b
ISC Event type ke.
BGR Event type ke.
NEIC Event type se. Error ellipse: s-maj=14.8km s-min=12.6km az=109.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; Mrr-0.96 Mθθ1.03 Mφφ-0.07 Mrθ-0.09 Mθφ-0.37 Mφr-0.70 NP1:φs315.00000°,δ56.00000°,λ-53.00000°. NP2:φs81.00000° ,δ49.00000°,λ-132.00000°. M01.26000×10^{16}
JMA Event type fe. W OFF OGASAWARA .
IDC Error ellipse: s-maj=8.1km s-min=6.0km az=77.0.
(174) Tonga Islands region
ISC VI 14 07 53 17.9–.52 25.02S–.07 179.86E–.08 501 4.5b 89 5-148
NOU VI 14 07 51 57.3 23.76S 174.61W 41 5.1b ¶610760943
IDC VI 14 07 53 16.4–1.4 24.93S 179.96E 479–13 4.7,3.9b
NEIC VI 14 07 53 18.6–1.4 25.1S–.10 179.8E–.10 495–10 4.7b,3.9b
ISC Event type se.
NOU Tonga Islands Region.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(171) South of Fiji Islands
ISC VI 17 22 26 02.3–.18 24.15S–.03 179.59E–.03 525–1 5.7b 2892 6-174
MOS VI 17 22 26 01.3–.84 24.02S 179.54E 515 5.5b,4.7s ¶610759008
BJI VI 17 22 26 01.0–.00 24.10S 179.60E 514 5.7b,5.5b
NOU VI 17 22 26 02.5 24.10S 179.70E 527 5.5L,5.5b
IDC VI 17 22 26 02.5–.31 24.04S 179.53E 520–2 6.0,5.2b
NEIC VI 17 22 26 02.0–1.7 24.09S–.08 179.60E–.09 511–1 6.1,6.1
NEIC VI 17 22 26 03.7 24.16S 179.67E 540 6.1,6.1
NEIC VI 17 22 26 03.7 24.06S 179.56E 540 6.1,6.1
NEIC VI 17 22 26 03.7 24.06S 179.56E 529 6.1,6.1
GCMT VI 17 22 26 07.0–.10 24.15S–.01 179.66E–.01 538–0 6.1W,6.1
ISC Event type se.
NOU South of Fiji Islands.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; Mrr0.45 Mθθ-0.60 Mφφ0.16 Mrθ-0.78 Mθφ-0.49 Mφr-1.27 NP1:φs213.19000°,δ81.18000°,λ70.80000°. NP2:φs99.44000°,δ21.06000° ,λ154.75000°. Principal axes: T 1.6186,Plg50.0000°,Azm102.0000°; N 0.0878,Plg19.0000° ,Azm216.0000°; P -1.7064,Plg33.0000°,Azm319.0000° M01.66000×10^{18}

NEIC Event type se. Moment Tensor Solution.Duration: $5^{s}5$ Moment tensor: Scale 10^{18}Nm; M_{rr}0.35 $M_{\theta\theta}$-0.62 $M_{\phi\phi}$0.27 $M_{r\theta}$-0.81 $M_{\theta\phi}$-0.11 $M_{\phi r}$-1.24 NP1:ϕ_s218.05000°,δ84.60000° ,λ72.63000°. NP2:ϕ_s111.30000°,δ18.16000°,λ162.42000°. Principal axes: T 1.6689,Plg48.0000°,Azm110.0000°; N -0.2010,Plg17.0000°,Azm220.0000° ; P -1.4679,Plg37.0000°,Azm323.0000° $M_0$1.57000×10^{18}
NEIC Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to mantle waves, cutoff=125s. Triangular moment-rate function. Moment Tensor Solution. s163,c364; s127,c167; Duration: $2^{s}7$ Moment tensor: Scale 10^{18}Nm; M_{rr}0.41±.01 $M_{\theta\theta}$-0.79±.01; $M_{\phi\phi}$0.37±.01; $M_{r\theta}$-0.81±.01; $M_{\theta\phi}$-0.49±.01; $M_{\phi r}$-1.22±.01; Best double couple: NP1:ϕ_s216.00000° ,δ82.00000°,λ65.00000°. NP2:ϕ_s108.00000°,δ26.00000°,λ161.00000°. Principal axes: T 1.6440,Plg47.0000°,Azm100.0000°; N 0.0910,Plg25.0000°,Azm219.0000° ; P -1.7340,Plg32.0000°,Azm326.0000° $M_0$1.68900×10^{18}

(279) Flores Sea

ISC	**VI**	**19 04 39 09.4–.35**	**7.56S–.04**	**118.31E–.05**	**587–3**	**4.8b**	**727**	**1-175**
BJI	VI	19 04 39 06.5–.00	7.76S	118.48E	586	5.1b,4.6b		**¶610681630**
NEIC	VI	19 04 39 09.0–2.1	7.50S–.08	118.33E–.09	571–5	4.7b,4.6b		
IDC	VI	19 04 39 09.5–.67	7.47S	118.33E	584–7	5.1,4.1b		
DJA	VI	19 04 39 09.4–.10	8S–2.0	118E–2.0	584–2	5.9,5.8		

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

(181) Fiji Islands region

ISC	**VI**	**19 19 50 41.1–.36**	**21.20S–.06**	**178.94W–.07**	**619**	**4.4b**	**212**	**3-172**
NEIC	VI	19 19 50 37.7–1.1	21.17S–.07	178.8W–.10	574–6	4.5b		**¶610686568**
IDC	VI	19 19 50 41.2–1.1	21.26S	179.18W	617–11	4.5,3.5b		
NOU	VI	19 19 50 41.7	21.21S	178.93W	616	5.0b,3.5b		

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.5km s-min=10.8km az=93.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=14.8km s-min=11.2km az=132.0.
NOU Fiji Islands Region.

(220) Northwest of Kuril Islands

ISC	**VI**	**22 07 29 11.9–.48**	**47.88N–.04**	**145.94E–.05**	**461–5**	**4.2b**	**287**	**2-146**
JMA	VI	22 07 29 10.9–.48	47N–3.0	146E–4.0	491	4.3		**¶610693476**
NIED	VI	22 07 29 10.9	47.49N	146.36E	491	4.4W		
MOS	VI	22 07 29 11.6–.91	47.97N	145.89E	463	4.3b		
SKHL	VI	22 07 29 11.2–.10	47.80N	146.20E	491–15	5.6,5.1b		
NEIC	VI	22 07 29 12.1–1.5	47.98N–.05	145.9E–.20	456–7	4.2b,5.1b		
IDC	VI	22 07 29 12.4–.93	48.03N	145.86E	455–10	4.5,3.6b		

ISC Event type ke.
JMA Event type ke. SOUTHERN SEA OF OKHOTSK .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-2.16 $M_{\theta\theta}$2.80 $M_{\phi\phi}$-0.64 $M_{r\theta}$-1.91 $M_{\theta\phi}$-3.15 $M_{\phi r}$-0.36 NP1:ϕ_s86.00000°,δ70.00000°,λ-138.00000°. NP2:ϕ_s339.00000° ,δ51.00000°,λ-26.00000°. $M_0$4.36000×10^{15}
MOS Error ellipse: s-maj=8.7km s-min=6.3km az=89.3.
NEIC Event type se. Error ellipse: s-maj=16.5km s-min=6.6km az=81.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=9.4km s-min=8.4km az=133.0.

(177) Kermadec Islands region

ISC	**VI**	**29 07 03 11.3–.19**	**31.13S–.03**	**179.99E–.03**	**412–1**	**5.5b**	**1766**	**3-171**
MOS	VI	29 07 03 09.8–.78	31.08S	179.93E	406	5.5b		**¶615092744**
NEIC	VI	29 07 03 10.7	31.12S	179.91E	401	5.5b		
BJI	VI	29 07 03 10.0–.00	31.10S	180.00E	406	5.6b,5.2b		
NEIC	VI	29 07 03 11.9	30.82S	179.73W	410	5.6b,5.2b		
NOU	VI	29 07 03 11.4	31.16S	179.83W	413	5.5L,5.2b		
NEIC	VI	29 07 03 11.0–1.7	31.13S–.08	179.9E–.10	405–3	6.0,6.0		
NEIC	VI	29 07 03 11.9	31.12S	179.92E	413	6.0,6.0		
IDC	VI	29 07 03 12.4–.31	31.04S	180.00W	424–2	5.8,5.0b		
BGR	VI	29 07 03 12.2	31.05S	178.20W	444–11	5.8,5.0b		
WEL	VI	29 07 03 12.6–2.1	31S–21	180W–16	393–30	6.9,6.5		
GCMT	VI	29 07 03 16.0–.10	30.93S–.01	179.92W–.01	410–0	6.0W,6.5		

ISC Event type ke.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: $5^{s}4$ Moment tensor: Scale 10^{18}Nm; M_{rr}-0.32 $M_{\theta\theta}$-0.80 $M_{\phi\phi}$1.12 $M_{r\theta}$-0.78 $M_{\theta\phi}$0.01 $M_{\phi r}$-0.78 NP1:ϕ_s39.98000°,δ81.97000° ,λ-50.41000°. NP2:ϕ_s139.57000°,δ40.26000°,λ-167.51000°. Principal axes: T 1.5151,Plg26.0000°,Azm100.0000°; N -0.0496,Plg39.0000°,Azm213.0000° ; P -1.4655,Plg40.0000°,Azm346.0000° $M_0$1.49000×10^{18}
NOU Kermadec Islands Region.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-0.58 $M_{\theta\theta}$-0.17 $M_{\phi\phi}$0.76 $M_{r\theta}$-0.74 $M_{\theta\phi}$-0.13 $M_{\phi r}$-0.72 NP1:ϕ_s148.33000°,δ28.28000°,λ-149.55000°. NP2:ϕ_s30.96000° ,δ76.11000°,λ-65.12000°. Principal axes: T 1.1055,Plg27.0000°,Azm101.0000° ; N 0.2509,Plg24.0000°,Azm205.0000°; P -1.3564,Plg52.0000°,Azm330.0000° $M_0$1.25000×10^{18}
NEIC Event type se.
BGR Event type ke.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to mantle waves, cutoff=125s. Triangular moment-rate function. Moment Tensor Solution. s166,c362; s134,c168; Duration: $2^{s}6$ Moment tensor: Scale 10^{18}Nm; M_{rr}-0.46±.01 $M_{\theta\theta}$-0.77±.01; $M_{\phi\phi}$1.23±.01; $M_{r\theta}$-0.74±.01; $M_{\theta\phi}$-0.06±.01; $M_{\phi r}$-0.65±.01; Best double couple: NP1:ϕ_s37.00000°,δ77.00000° ,λ-47.00000°. NP2:ϕ_s140.00000°,δ45.00000°,λ-162.00000°. Principal axes: T 1.4680,Plg20.0000°,Azm96.0000°; N -0.0160,Plg42.0000°,Azm205.0000° ; P -1.4500,Plg41.0000°,Azm347.0000° $M_0$1.45900×10^{18}

(177) Kermadec Islands region

ISC	**VI**	**29 07 19 52.7–.51**	**31.09S–.06**	**179.92W–.08**	**400**	**4.1b**	**113**	**3-162**
NOU	VI	29 07 19 51.9	31.24S	179.01W	460	4.3b		**¶615092745**
IDC	VI	29 07 19 54.1–1.1	30.99S	179.89E	418–11	4.5,3.5b		
WEL	VI	29 07 19 56.8–1.6	31S–9.0	179W–21	371–27	5.3,5.3		

ISC Event type ke.
NOU Kermadec Islands Region.
WEL smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

FELT AND DAMAGING EARTHQUAKES

(228) Near east coast of eastern Honshu
ISC I 01 14 55 07.0–.98 40.90N–.03 142.04E–.05 56–9 3.6b 38 1-147
JMA I 01 14 55 06.7–.11 40.9N–.30 142.1E–.80 51–2 3.7 ¶610236395
IDC I 01 14 55 07.8–2.2 40.91N 142.20E 71–23 3.7,3.5b
ISC Event type ke.
JMA Event type fe. E OFF AOMORI PREF .
IDC Error ellipse: s-maj=37.0km s-min=15.3km az=88.0.

(327) Lake Baykal region
ISC I 02 07 31 05.4–.77 53.41N–.02 108.61E–.02 10–4 4.5b,3.6s 340 0-151
MOS I 02 07 31 04.3–1.1 53.33N 108.68E 12 4.5b,3.6s ¶609949353
IDC I 02 07 31 04.1–.44 53.36N 108.58E 0 4.2b,4.1
NEIC I 02 07 31 05.8–1.7 53.41N–.08 108.60E–.03 10–1 4.5b,4.1
BYKL I 02 07 31 06.4–.15 53.38N 108.60E 21–2 4.3W,4.1
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s41.23512°,δ43.42503°,λ-94.28661°. NP2: ϕ_s227.12747°,δ46.72648°,λ-85.95334°. Principal axes: T Plg1.6529°,Azm314.2661° ; N Plg2.9452°,Azm44.3511°; P Plg86.6220°,Azm194.9990°
MOS Event type fe. Error ellipse: s-maj=6.4km s-min=4.9km az=73.8. Felt (IV) at Onguryeny, Suvo; (III-IV) at Barguzin; (II-III) at Chita. Moment Tensor Solution.
IDC Error ellipse: s-maj=10.9km s-min=9.3km az=156.0.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=2.9km az=192.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BYKL Event type se. #STATIONS AAK MA2 KBS KIV BFO KDAK CHTO QIZ MAJO. FELT I=IV-V MSK at Maksimikha,IV at Ust-barguzin,Barguzin, Chitkan,Suvo,Sarma, III-IV at Onguren, II at Chita. Moment Tensor Solution.

(228) Near east coast of eastern Honshu
ISC I 02 16 10 59.2–.47 38.89N–.04 142.71E–.05 41–3 4.4b 141 1-136
BJI I 02 16 10 57.0–.00 38.90N 142.80E 47 4.4b,4.3s ¶614091777
NEIC I 02 16 10 59.1–2.9 38.87N–.01 142.8E–.10 35–8 4.6b,4.3s
NIED I 02 16 11 00.9 38.96N 142.55E 53 4.3W,4.3s
JMA I 02 16 11 00.9–.12 39.0N–.30 142.6E–.80 53–1 4.8,4.4
IDC I 02 16 11 01.3–.50 38.91N 142.61E 55–4 4.1,3.7b
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=2.1km az=89.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.53 $M_{\theta\theta}$2.66 $M_{\phi\phi}$-2.13 $M_{r\theta}$-0.24 $M_{\theta\phi}$-0.86 $M_{\phi r}$1.50 NP1:ϕ_s141.00000°,δ76.00000°,λ-28.00000°. NP2:ϕ_s239.00000° ,δ62.00000°,λ-165.00000°. $M_0$2.99000×10^{15}
JMA Event type fe. E OFF MIYAGI PREF .
IDC Error ellipse: s-maj=13.3km s-min=8.6km az=125.0.

(232) Western Honshu
ISC I 02 18 35 21.7–.34 34.02N–.04 136.46E–.03 372–3 4.5b 667 0-168
MOS I 02 18 35 20.9–.93 34.02N 136.39E 374 4.6b ¶611831445
IDC I 02 18 35 21.6–.44 33.95N 136.41E 372–4 4.7,3.9b
BJI I 02 18 35 21.0–.00 34.06N 136.43E 387 4.7b,4.6b
NIED I 02 18 35 21.2 34.02N 136.47E 385 5.0W,4.6b
JMA I 02 18 35 21.2–.18 34.0N–.90 136.5E–.70 385–1 5.0W,5.0
NEIC I 02 18 35 22.9–1.4 34.03N–.08 136.42E–.09 377–6 4.5b,5.0
ISC Event type ke. Moment Tensor Solution. NP1:ϕ_s83.76045°,δ59.95602°,λ-177.13901°. NP2: ϕ_s352.32715°,δ87.52367°,λ-30.07496°. Principal axes: T Plg18.8730°,Azm42.0357° ; N Plg59.8328°,Azm168.0602°; P Plg22.6174°,Azm303.8478°
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.88 $M_{\theta\theta}$3.09 $M_{\phi\phi}$-2.21 $M_{r\theta}$0.65 $M_{\theta\phi}$-1.13 $M_{\phi r}$-2.12 NP1:ϕ_s322.00000°,δ77.00000°,λ-37.00000°. NP2:ϕ_s62.00000° ,δ54.00000°,λ-164.00000°. $M_0$3.71000×10^{16}
JMA Event type fe. SE OFF KII PENINSULA .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(224) Hokkaido region
ISC I 02 21 24 20.8–.42 41.17N–.03 142.01E–.03 65–3 4.8b 543 1-153
BJI I 02 21 24 15.4–.00 41.08N 142.47E 60 5.0b,4.6b ¶611831443
MOS I 02 21 24 19.5–1.0 41.19N 142.01E 60 5.0b,4.6b
NIED I 02 21 24 20.8 41.20N 142.03E 58 4.6W,4.6b
NEIC I 02 21 24 20.6–1.8 41.21N–.06 142.00E–.08 55–5 4.8b,4.5
JMA I 02 21 24 20.8–.09 41.2N–.30 142.0E–.60 58–1 4.5,4.4
IDC I 02 21 24 21.4–1.3 41.17N 142.00E 64–11 4.5,4.2b
ISC Event type ke. Moment Tensor Solution. NP1:ϕ_s93.42333°,δ17.89022°,λ-16.09745°. NP2: ϕ_s198.78001°,δ85.11384°,λ-107.23107°. Principal axes: T Plg37.7841°,Azm304.1490° ; N Plg17.1665°,Azm200.2932°; P Plg47.1507°,Azm90.8412°
MOS Error ellipse: s-maj=6.3km s-min=4.1km az=106.5.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}4.20 $M_{\theta\theta}$-0.36 $M_{\phi\phi}$-3.85 $M_{r\theta}$2.45 $M_{\theta\phi}$-1.67 $M_{\phi r}$5.78 NP1:ϕ_s23.00000°,δ73.00000°,λ91.00000°. NP2:ϕ_s201.00000° ,δ17.00000°,λ88.00000°. $M_0$7.64000×10^{15}
NEIC Event type se. Error ellipse: s-maj=11.0km s-min=5.2km az=133.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}2.21 $M_{\theta\theta}$1.19 $M_{\phi\phi}$-3.40 $M_{r\theta}$3.49 $M_{\theta\phi}$0.38 $M_{\phi r}$4.94 NP1:ϕ_s145.43000°,δ21.55000°,λ26.93000°. NP2:ϕ_s30.15000°,δ80.43000° ,λ109.40000°. Principal axes: T 6.9285,Plg51.0000°,Azm322.0000°; N -0.3563,Plg19.0000° ,Azm207.0000°; P -6.5723,Plg33.0000°,Azm104.0000° $M_0$6.76000×10^{15}
JMA Event type fe. E OFF AOMORI PREF .
IDC Error ellipse: s-maj=11.1km s-min=8.2km az=122.0.

(230) Near south coast of eastern Honshu
ISC I 03 04 07 09.1–.91 34.12N–.04 139.39E–.05 16–7 25 0-5
JMA I 03 04 07 09.0–.10 34.1N–.30 139.4E–.30 14–0 3.3 ¶614092581
ISC Event type ke.
JMA Event type fe. NEAR MIYAKEJIMA ISLAND .

(235) Kyushu
ISC I 03 04 38 38.8–.44 30.55N–.03 131.19E–.04 33–2 4.7b,4.0s 256 0-115
BJI I 03 04 38 34.2–.00 30.26N 131.58E 40 4.6b,4.3b ¶609950102
MOS I 03 04 38 37.5–.93 30.56N 131.12E 40 5.0b,4.3b
NIED I 03 04 38 38.8 30.57N 131.23E 30 4.5W,4.3b
NEIC I 03 04 38 38.8–1.4 30.53N–.05 131.14E–.08 32–5 4.8b,4.3b
IDC I 03 04 38 38.8–2.7 30.58N 131.06E 33–20 4.4,4.2b
JMA I 03 04 38 38.8–.13 30.6N–.30 131.2E–.80 30–0 4.5,4.5
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}1.12 $M_{\theta\theta}$0.78 $M_{\phi\phi}$-1.89 $M_{r\theta}$4.01 $M_{\theta\phi}$-2.68 $M_{\phi r}$4.54 NP1:ϕ_s45.00000°,δ80.00000°,λ101.00000°. NP2:ϕ_s175.00000° ,δ15.00000°,λ41.00000°. $M_0$6.55000×10^{15}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. NEAR TANEGASHIMA ISLAND .

(228) Near east coast of eastern Honshu
ISC I 03 12 13 42.2–.53 38.64N–.04 142.42E–.05 24 4.1b,3.4s 102 1-89
BJI I 03 12 13 40.7–.00 38.61N 142.67E 32 4.8b,4.5b ¶614093137
NEIC I 03 12 13 43.2–1.7 38.61N–.06 142.52E–.10 35–2 4.4b,4.5b
NIED I 03 12 13 44.5 38.70N 142.25E 39 4.1W,4.5b
JMA I 03 12 13 44.5–.12 38.7N–.30 142.3E–.70 39–1 4.7,4.2
IDC I 03 12 13 45.3–1.9 38.66N 142.17E 45–19 3.9,3.6b
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=13.5km s-min=8.8km az=112.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.20 $M_{\theta\theta}$0.16 $M_{\phi\phi}$0.04 $M_{r\theta}$1.13 $M_{\theta\phi}$0.01 $M_{\phi r}$1.25 NP1:ϕ_s222.00000°,δ87.00000°,λ-92.00000°. NP2:ϕ_s80.00000° ,δ3.00000°,λ-52.00000°. $M_0$1.70000×10^{15}
JMA Event type fe. E OFF MIYAGI PREF .
IDC Error ellipse: s-maj=18.0km s-min=13.4km az=106.0.

(228) Near east coast of eastern Honshu
ISC I 04 03 33 54.6–1.0 36.41N–.04 141.10E–.07 37–2 3.7b 38 0-75
JMA I 04 03 33 54.5–.13 36.4N–.30 141.0E–.80 46–1 3.4 ¶610236661
IDC I 04 03 33 55.6–1.9 36.37N 141.03E 47–20 3.7,3.5b
ISC Event type ke.
JMA Event type fe. E OFF IBARAKI PREF .
IDC Error ellipse: s-maj=22.7km s-min=13.5km az=92.0.

(228) Near east coast of eastern Honshu
ISC I 04 15 43 59.5–.25 36.89N–.02 140.90E–.03 56–1 5.2b,4.5s 1212 0-162
MOS I 04 15 43 57.9–1.1 36.96N 140.87E 53 5.3b,4.3s ¶610570420
BJI I 04 15 43 57.5–.00 36.95N 140.98E 66 5.1b,5.0b
IDC I 04 15 43 58.9–1.3 36.89N 140.79E 47–13 5.0,4.8b
NIED I 04 15 43 59.2 36.86N 140.98E 56 5.2W,4.8b
JMA I 04 15 43 59.2–.10 36.9N–.20 141.0E–.50 56–0 5.3,5.1W
NEIC I 04 15 43 59.6–1.8 36.90N–.05 140.94E–.08 53–4 5.3b,5.2
GCMT I 04 15 44 00.6–.20 36.97N–.01 140.93E–.01 60–1 5.1W,5.2
BGR I 04 15 44 01.4 37.07N 141.15E 50–0 4.9b,4.6s
NEIC I 04 15 44 03 36.91N 140.91E 40 4.9b,4.6s
ISC Event type ke. Moment Tensor Solution. NP1:ϕ_s193.55199°,δ78.99922°,λ97.26447°. NP2: ϕ_s339.80835°,δ13.15822°,λ56.95684°. Principal axes: T Plg55.4340°,Azm112.6194° ; N Plg7.1303°,Azm12.1586°; P Plg33.6150°,Azm277.3884°
MOS Error ellipse: s-maj=6.0km s-min=3.7km az=106.0.
IDC Error ellipse: s-maj=10.7km s-min=7.7km az=108.0.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}2.99 $M_{\theta\theta}$-1.25 $M_{\phi\phi}$-1.73 $M_{r\theta}$-2.22 $M_{\theta\phi}$-2.87 $M_{\phi r}$-4.15 NP1:ϕ_s209.00000°,δ72.00000°,λ78.00000°. NP2:ϕ_s64.00000° ,δ22.00000°,λ123.00000°. $M_0$6.01000×10^{16}
JMA Event type fe. E OFF IBARAKI PREF .
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=7.0km az=99.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}5.03 $M_{\theta\theta}$-1.70 $M_{\phi\phi}$-3.33 $M_{r\theta}$-1.85 $M_{\theta\phi}$-2.78 $M_{\phi r}$-2.08 NP1:ϕ_s219.22000°,δ59.03000°,λ92.54000°. NP2:ϕ_s34.29000°,δ31.06000° ,λ85.77000°. Principal axes: T 5.7331,Plg76.0000°,Azm137.0000°; N 0.3732,Plg2.0000° ,Azm38.0000°; P -6.1062,Plg14.0000°,Azm307.0000° $M_0$5.93000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s68,c104; s117,c202;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.00±.15 $M_{\theta\theta}$-1.03±.13; $M_{\phi\phi}$-1.97±.13; $M_{r\theta}$-2.03±.10; $M_{\theta\phi}$-4.18±.10; $M_{\phi r}$-3.80±.09; Best double couple: NP1:ϕ_s204.00000°,δ70.00000°,λ69.00000°. NP2:ϕ_s71.00000°,δ29.00000°,λ134.00000°. Principal axes: T 5.0660,Plg60.0000° ,Azm84.0000°; N 2.3400,Plg19.0000°,Azm211.0000°; P -7.4070,Plg22.0000°,Azm309.0000° $M_0$6.23700×10^{16}
BGR Event type ke.
NEIC Event type se. Moment Tensor Solution.Duration: 8s0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.37 $M_{\theta\theta}$-0.84 $M_{\phi\phi}$-2.54 $M_{r\theta}$-1.80 $M_{\theta\phi}$-3.51 $M_{\phi r}$-4.60 NP1:ϕ_s63.00000°,δ25.00000° ,λ129.00000°. NP2:ϕ_s202.00000°,δ71.00000°,λ74.00000°. Principal axes: T 5.8833,Plg61.0000°,Azm88.0000°; N 1.5275,Plg15.0000°,Azm207.0000° ; P -7.4108,Plg24.0000°,Azm304.0000° $M_0$6.78000×10^{16}

(228) Near east coast of eastern Honshu
ISC I 04 17 35 12.7–1.5 37.12N–.04 141.38E–.06 9–8 4.2b 93 0-147
IDC I 04 17 35 11.4–.63 37.14N 141.23E 0 4.0,4.0b ¶610208164
JMA I 04 17 35 13.3–.16 37.1N–.30 141.3E–.80 26–1 4.2,4.2
NEIC I 04 17 35 13.8–1.9 37.19N–.05 141.37E–.07 10–1 4.4b,4.2
NIED I 04 17 35 13.3 37.13N 141.34E 26 4.0W,4.2
ISC Event type ke.
IDC Error ellipse: s-maj=17.8km s-min=13.3km az=117.0.
JMA Event type fe. E OFF FUKUSHIMA PREF .
NEIC Event type se. Error ellipse: s-maj=11.0km s-min=6.3km az=60.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-9.85 $M_{\theta\theta}$3.60 $M_{\phi\phi}$6.25 $M_{r\theta}$0.72 $M_{\theta\phi}$4.41 $M_{\phi r}$1.23 NP1:ϕ_s216.00000°,δ49.00000°,λ-91.00000°. NP2:ϕ_s37.00000° ,δ41.00000°,λ-89.00000°. $M_0$9.80000×10^{14}

(228) Near east coast of eastern Honshu
ISC I 04 17 53 20.5–.28 37.16N–.02 141.31E–.02 14–1 5.6b,4.8s 2111 0-167
BJI I 04 17 53 17.2–.00 37.00N 141.32E 14 5.3b,5.3s ¶614095170
IDC I 04 17 53 18.8–.33 37.15N 141.17E 0 5.1b,5.0
MOS I 04 17 53 19.2–.89 37.20N 141.22E 17 5.8b,5.0s
JMA I 04 17 53 20.5–.15 37.1N–.30 141.4E–.80 26–1 5.6,5.3W
NIED I 04 17 53 20.5 37.12N 141.36E 26 5.3W,5.3W
NEIC I 04 17 53 20.7–1.9 37.15N–.04 141.31E–.07 10–1 5.7b,5.3
GCMT I 04 17 53 22.7–.10 37.17N–.01 141.32E–.01 12 5.3W,5.3
BGR I 04 17 53 24.6 37.51N 141.40E 18–0 5.6b,4.8s
NEIC I 04 17 53 24 37.23N 141.34E 12 5.6b,4.8s
ISC Event type ke. Moment Tensor Solution. NP1:ϕ_s0.25352°,δ45.44768°,λ-72.37067°. NP2: ϕ_s155.88466°,δ47.22330°,λ-107.09936°. Principal axes: T Plg0.9083°,Azm257.8861° ; N Plg12.4636°,Azm167.6853°; P Plg77.5023°,Azm351.9876° Moment Tensor Solution. NP1:ϕ_s357.68015°,δ55.94415°,λ-127.11268°. NP2:ϕ_s231.17452°,δ48.64814°,λ-48.24548°. Principal axes: T Plg4.0825°,Azm113.0045°; N Plg29.9933°,Azm20.6435°; P Plg59.6724° ,Azm210.0124°
IDC Error ellipse: s-maj=11.9km s-min=9.0km az=84.0.
MOS Error ellipse: s-maj=6.1km s-min=3.8km az=97.3.
JMA Event type fe. E OFF FUKUSHIMA PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}-8.57 $M_{\theta\theta}$0.84 $M_{\phi\phi}$7.74 $M_{r\theta}$0.03 $M_{\theta\phi}$3.21 $M_{\phi r}$1.44 NP1:ϕ_s198.00000°,δ49.00000°,λ-95.00000°. NP2:ϕ_s25.00000° ,δ41.00000°,λ-85.00000°. $M_0$8.90000×10^{16}
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=5.8km az=248.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-6.50 $M_{\theta\theta}$0.59 $M_{\phi\phi}$5.90 $M_{r\theta}$-0.17 $M_{\theta\phi}$1.96 $M_{\phi r}$1.01 NP1:ϕ_s194.04000°,δ49.12000°,λ-95.49000°. NP2:ϕ_s22.39000°,δ41.19000° ,λ-83.70000°. Principal axes: T 6.6106,Plg4.0000°,Azm288.0000°; N -0.0147,Plg4.0000° ,Azm198.0000°; P -6.5959,Plg84.0000°,Azm62.0000° $M_0$6.60000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s94,c158; s146,c253;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.88±.01 $M_{\theta\theta}$0.11±.01; $M_{\phi\phi}$0.76±.01; $M_{r\theta}$0.17±.03; $M_{\theta\phi}$0.38±.01; $M_{\phi r}$0.25±.03; Best double couple: NP1:ϕ_s208.00000°,δ54.00000°,λ-86.00000°. NP2:ϕ_s21.00000°,δ36.00000°,λ-96.00000°. Principal axes: T 0.9910,Plg9.0000° ,Azm295.0000°; N -0.0590,Plg3.0000°,Azm26.0000°; P -0.9320,Plg80.0000°,Azm135.0000° $M_0$0.96200×10^{17}
BGR Event type ke.
NEIC Event type se. Moment Tensor Solution.Duration: 8s0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.88 $M_{\theta\theta}$0.06 $M_{\phi\phi}$0.83 $M_{r\theta}$-0.09 $M_{\theta\phi}$0.41 $M_{\phi r}$-0.45 NP1:ϕ_s210.00000°,δ32.00000° ,λ-79.00000°. NP2:ϕ_s17.00000°,δ58.00000°,λ-96.00000°. Principal axes: T 1.1049,Plg13.0000°,Azm112.0000°; N -0.1097,Plg6.0000°,Azm21.0000° ; P -0.9952,Plg76.0000°,Azm268.0000° $M_0$1.05000×10^{17}

(228) Near east coast of eastern Honshu
ISC I 04 21 29 44.3–1.2 36.80N–.04 140.58E–.05 8–9 22 0-57
IDC I 04 21 29 43.2–2.6 36.56N 140.55E 0 3.4,3.4b ¶614095515
JMA I 04 21 29 44.1–.03 36.8N–.10 140.6E–.20 7–0 3.4,3.4b
ISC Event type ke.
JMA Event type fe. NORTHERN IBARAKI PREF .

(228) Near east coast of eastern Honshu
ISC I 04 21 31 48.2–1.0 36.81N–.04 140.55E–.07 10 13 0-57
IDC I 04 21 31 48.0–2.4 36.44N 140.49E 0 3.3,3.3b ¶614095526
JMA I 04 21 31 48.1–.03 36.82N–.09 140.6E–.20 8–0 3.3,3.3b
ISC Event type ke.
JMA Event type fe. NORTHERN IBARAKI PREF .

(228) Near east coast of eastern Honshu
ISC I 05 01 09 48.5–2.2 37.09N–.05 141.4E–.10 14–12 3.3b 19 0-57
IDC I 05 01 09 46.3–1.6 37.16N 141.54E 0 3.4b,3.3 ¶610208166
JMA I 05 01 09 50.0–.14 37.1N–.30 141.3E–.70 27–0 3.5,3.3
NIED I 05 01 09 50.0 37.12N 141.34E 27 3.5W,3.3
ISC Event type ke.
IDC Error ellipse: s-maj=33.6km s-min=26.7km az=154.0.
JMA Event type fe. E OFF FUKUSHIMA PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-2.02 $M_{\theta\theta}$0.87 $M_{\phi\phi}$1.15 $M_{r\theta}$-0.19 $M_{\theta\phi}$0.75 $M_{\phi r}$-0.03 NP1:ϕ_s43.00000°,δ47.00000°,λ-86.00000°. NP2:ϕ_s217.00000° ,δ43.00000°,λ-95.00000°. $M_0$1.90000×10^{14}

(228) Near east coast of eastern Honshu
ISC I 05 03 17 34.9–1.8 36.66N–.04 141.25E–.08 23–12 3.4b 34 1-147
IDC I 05 03 17 31.6–1.1 36.82N 141.18E 0 3.5,3.4b ¶614095888
JMA I 05 03 17 35.0–.12 36.6N–.30 141.2E–.70 45–1 3.6,3.4b
ISC Event type ke.
JMA Event type fe. E OFF IBARAKI PREF .

(228) Near east coast of eastern Honshu
ISC I 05 08 34 38.3–.94 38.88N–.06 141.78E–.09 61–6 3.7b 31 0-73
JMA I 05 08 34 39.4–.09 38.9N–.30 141.6E–.50 61–0 3.4 ¶614096151
IDC I 05 08 34 40.1–2.6 38.97N 141.92E 80–22 3.7,3.4b

ISC Event type ke.
JMA Event type fe. NORTHERN MIYAGI PREF .
IDC Error ellipse: s-maj=26.5km s-min=15.1km az=105.0.
(228) Near east coast of eastern Honshu
ISC I 05 17 39 12.1–.45 38.62N–.04 142.41E–.04 40–4 4.6b,3.7s 285 1-96
BJI I 05 17 39 06.0–.00 38.57N 142.69E 27 4.8b,4.5b **¶609997974**
NEIC I 05 17 39 11.7–1.2 38.66N–.06 142.3E–.10 31–5 4.6b,4.5b
MOS I 05 17 39 11.0–.88 38.73N 142.32E 39 4.8b,4.5b
NIED I 05 17 39 12.5 38.71N 142.28E 39 4.4W,4.5b
JMA I 05 17 39 12.5–.12 38.7N–.30 142.3E–.70 39–1 4.7,4.4
IDC I 05 17 39 13.9–1.8 38.68N 142.22E 47–16 4.3,4.1b
ISC Event type ke. Moment Tensor Solution. NP1:φs153.58313°,δ28.20991°,λ36.95008°. NP2: φs30.04491°,δ73.49191°,λ113.20402°. Principal axes: T Plg55.4916°,Azm329.5023° ; N Plg22.1953°,Azm203.0999°; P Plg24.9731°,Azm102.1460° Moment Tensor Solution. NP1:φs236.21779°,δ37.52349°,λ157.86250°. NP2:φs344.10013°,δ76.73104°,λ54.57329°. Principal axes: T Plg46.3115°,Azm217.7016°; N Plg34.3458°,Azm353.3732°; P Plg23.4852° ,Azm100.6452°
NEIC Event type se. Error ellipse: s-maj=12.2km s-min=7.3km az=118.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=7.7km s-min=4.8km az=105.9.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; Mrr2.41 Mθθ0.06 Mφφ-2.47 Mrθ0.49 Mθφ-0.60 Mφr3.66 NP1:φs8.00000°,δ73.00000°,λ87.00000°. NP2:φs198.00000° ,δ17.00000°,λ99.00000°. M0 4.46000×10^{15}
JMA Event type fe. E OFF MIYAGI PREF .
IDC Error ellipse: s-maj=17.2km s-min=12.0km az=104.0.
(228) Near east coast of eastern Honshu
ISC I 06 01 14 05.5–1.2 36.37N–.05 141.00E–.08 35 3.3b 23 0-56
JMA I 06 01 14 05.5–.14 36.3N–.30 140.9E–.90 45–1 3.4 **¶610208171**
NIED I 06 01 14 05.5 36.34N 140.92E 45 3.6W
IDC I 06 01 14 09.0–7.2 36.09N 140.77E 59–54 3.4,3.2b
ISC Event type ke.
JMA Event type fe. E OFF IBARAKI PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; Mrr-0.41 Mθθ-0.64 Mφφ1.04 Mrθ1.14 Mθφ-1.98 Mφr1.74 NP1:φs190.00000°,δ81.00000°,λ-41.00000°. NP2:φs288.00000° ,δ50.00000°,λ-168.00000°. M0 2.97000×10^{14}
IDC Error ellipse: s-maj=67.1km s-min=32.0km az=56.0.
(228) Near east coast of eastern Honshu
ISC I 06 06 09 54.5–2.0 37.13N–.05 141.41E–.08 12–10 3.6b 33 0-147
JMA I 06 06 09 55.4–.14 37.1N–.30 141.3E–.70 28–0 4.0,3.8 **¶610208172**
IDC I 06 06 09 55.4–1.2 37.52N 141.20E 0 3.5,3.5b
NIED I 06 06 09 55.4 37.12N 141.34E 28 3.5W,3.5b
ISC Event type ke.
JMA Event type fe. E OFF FUKUSHIMA PREF .
IDC Error ellipse: s-maj=29.0km s-min=23.8km az=113.0.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; Mrr-1.08 Mθθ-0.06 Mφφ1.15 Mrθ-0.24 Mθφ1.40 Mφr0.65 NP1:φs181.00000°,δ64.00000°,λ-136.00000°. NP2:φs68.00000° ,δ51.00000°,λ-34.00000°. M0 1.87000×10^{14}
(238) Ryukyu Islands
ISC I 06 09 04 34.0–.42 29.16N–.04 130.42E–.05 40 4.6b,3.9s 176 1-99
BJI I 06 09 04 29.4–.00 29.03N 130.68E 31 4.8b,4.5b **¶610019735**
NEIC I 06 09 04 30.1–1.5 29.15N–.05 130.43E–.08 10–1 4.7b,4.5b
JMA I 06 09 04 33.5–.13 29.2N–.50 130E–1.0 69–3 4.3,4.0
NIED I 06 09 04 33.5 29.24N 130.42E 69 4.6W,4.0
IDC I 06 09 04 34.9–1.4 29.28N 130.33E 44–12 4.1,3.9b
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=8.4km az=100.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. NEAR AMAMI-OSHIMA ISLAND.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; Mrr4.07 Mθθ-2.74 Mφφ-1.33 Mrθ3.09 Mθφ-3.48 Mφr5.22 NP1:φs33.00000°,δ72.00000°,λ75.00000°. NP2:φs254.00000° ,δ23.00000°,λ128.00000°. M0 7.82000×10^{15}
IDC Error ellipse: s-maj=18.0km s-min=8.6km az=113.0.
(662) Sakhalin Island
ISC I 06 11 37 20.9–1.1 46.47N–.02 142.07E–.05 24–9 3.7b,3.2s 59 1-75
MOS I 06 11 37 17.7–1.9 46.45N 142.01E 11 4.1b,3.2s **¶610038447**
JMA I 06 11 37 18.9–.24 46.7N–.90 142E–1.0 24 3.9,3.2s
SKHL I 06 11 37 19.2–.90 46.40N 141.90E 11–3 4.7b,3.2s
IDC I 06 11 37 25.6–2.4 46.43N 141.91E 64–26 3.7,3.4s
ISC Event type ke.
MOS Event type fe. Error ellipse: s-maj=11.8km s-min=7.4km az=93.7. Felt (III-IV) at Gornozavodsk; (II-III) at Nevel'sk; (II) at Shebunino. Moment Tensor Solution.
JMA Event type ke. SOUTH SAKHALIN .
IDC Error ellipse: s-maj=19.5km s-min=16.1km az=31.0.
(259) Mindanao
ISC I 07 02 38 32.2–.65 5.66N–.04 126.60E–.05 73–6 4.7b 201 1-147
MAN I 07 02 38 29.7 5.62N 126.60E 56 5.4b,4.7s **¶610038902**
BJI I 07 02 38 30.3–.00 5.46N 126.71E 78 5.0b,4.7b
NEIC I 07 02 38 31.5–1.7 5.66N–.06 126.59E–.09 62–4 4.8b,4.7b
IDC I 07 02 38 31.6–1.6 5.68N 126.59E 66–15 4.5,4.1b
DJA I 07 02 38 32.2–.40 6N–3.0 127E–2.0 66–3 5.5b,5.4
ISC Event type fe.
MAN Event type fe. INTENSITY I - GENERAL SANTOS CITY.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(228) Near east coast of eastern Honshu
ISC I 08 04 15 40.9–.82 36.86N–.04 141.10E–.06 50–7 4.0b,3.3s 94 0-147
JMA I 08 04 15 41.4–.11 36.9N–.30 141.0E–.60 55–0 4.3,4.3 **¶610050537**
NEIC I 08 04 15 41.8–2.0 36.90N–.04 141.0E–.10 47–8 4.2b,4.3
NIED I 08 04 15 41.4 36.88N 140.99E 55 4.2W,4.3
IDC I 08 04 15 42.9–1.9 36.82N 140.90E 69–19 4.1,3.7b
ISC Event type ke.
JMA Event type fe. E OFF IBARAKI PREF .
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=5.7km az=96.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; Mrr0.81 Mθθ0.45 Mφφ-1.27 Mrθ-0.71 Mθφ-0.15 Mφr1.61 NP1:φs339.00000°,δ77.00000°,λ71.00000°. NP2:φs216.00000° ,δ23.00000°,λ145.00000°. M0 2.08000×10^{15}
IDC Error ellipse: s-maj=16.3km s-min=10.4km az=61.0.
(97) Near coast of Venezuela
ISC I 08 09 51 37.2–.59 10.85N–.04 62.18W–.05 83 89 1-52
VAO I 08 09 51 30.0–.68 10.85N 62.02W 10 4.1b **¶613522404**
TRN I 08 09 51 37.4 10.85N 62.25W 65 4.3
FUNV I 08 09 51 38.0 10.78N 62.12W 85 4.3W
ISC Event type ke.
VAO Error ellipse: s-maj=8.5km s-min=4.2km az=-1.0.
TRN Event type fe. Felt Trinidad MMI III.
(98) Trinidad
ISC I 08 18 01 40.4–.81 10.79N–.04 61.78W–.04 61–9 3.9b 95 0-145
IDC I 08 18 01 30.8–2.8 10.42N 62.12W 0 3.9,3.8L **¶610049846**
NEIC I 08 18 01 39.9–2.5 10.71N–.07 61.72W–.07 44–28 3.9b,3.8L
TRN I 08 18 01 41.2 10.81N 61.73W 46 3.8,3.8L
FUNV I 08 18 01 42.7 10.87N 61.65W 34 3.9W,3.8L
ISC Event type se.
IDC Error ellipse: s-maj=81.6km s-min=30.9km az=32.0.
NEIC Event type se. Error ellipse: s-maj=9.7km s-min=9.2km az=178.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TRN Event type fe. Felt Trinidad, MMI III.
(678) Queen Elizabeth Islands
ISC I 08 23 47 13.7–.18 74.28N–.02 92.42W–.02 32–1 6.0b,5.9s 2815 1-164
BJI I 08 23 47 07.0–.00 74.31N 92.25W 10 6.1s,6.0 **¶611831502**
IDC I 08 23 47 09.0–.33 74.32N 92.21W 0 5.8s,5.8L
OTT I 08 23 47 11.9–.12 74.27N 92.13W 18 6.0,5.9W
MOS I 08 23 47 11.9–.95 74.36N 92.29W 28 6.0b,5.9s
NEIC I 08 23 47 14.4–1.6 74.39N–.07 92.4W–.20 31–1 6.1b,6.0
GCMT I 08 23 47 15.4–.10 74.44N 92.06W 33–0 6.1W,6.0
NEIC I 08 23 47 15 74.32N 92.31W 36 6.1W,6.0
BGR I 08 23 47 18.2 74.79N 89.75W 16–0 5.8s,5.7
ISC Event type ke.
IDC Error ellipse: s-maj=9.3km s-min=7.5km az=160.0.
OTT Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. 93km southeast from Resolute, Nu. Felt Felt at Resolute, Arctic Bay, Grise Fjord, Taloyoak, Nu.
MOS Error ellipse: s-maj=13.8km s-min=3.6km az=81.4.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=8.2km az=190.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; Mrr6.42 Mθθ-5.33 Mφφ-1.09 Mrθ-0.18 Mθφ5.14 Mφr1.05 NP1:φs113.32000°,δ43.19000°,λ74.87000°. NP2:φs313.67000°,δ48.65000° ,λ103.77000°. Principal axes: T 6.5922,Plg79.0000°,Azm289.0000°; N 2.2108,Plg10.0000° ,Azm124.0000°; P -8.8030,Plg3.0000°,Azm34.0000° M0 7.93000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s165,c391; s164,c597; Duration: 2s7 Moment tensor: Scale 10^{18}Nm; Mrr1.57±.01 Mθθ-0.83±.01; Mφφ-0.74±.01; Mrθ-0.17±.01; Mθφ0.95±.01; Mφr0.16±.01; Best double couple: NP1:φs314.00000°,δ49.00000° ,λ90.00000°. NP2:φs134.00000°,δ41.00000°,λ90.00000°. Principal axes: T 1.5860,Plg86.0000°,Azm225.0000°; N 0.1650,Plg0.0000°,Azm134.0000° ; P -1.7530,Plg4.0000°,Azm44.0000° M0 1.67000×10^{18}
NEIC Event type se. Moment Tensor Solution.Duration: 6s0 Moment tensor: Scale 10^{18}Nm; Mrr1.33 Mθθ-0.71 Mφφ-0.61 Mrθ-0.05 Mθφ0.71 Mφr0.13 NP1:φs130.00000°,δ42.00000° ,λ86.00000°. NP2:φs316.00000°,δ48.00000°,λ93.00000°. Principal axes: T 1.3352,Plg86.0000°,Azm269.0000°; N 0.0506,Plg3.0000°,Azm133.0000° ; P -1.3858,Plg3.0000°,Azm43.0000° M0 1.36000×10^{18}
BGR Event type ke.
(228) Near east coast of eastern Honshu
ISC I 09 05 03 05.4–.00 36.67N–.04 140.63E–.06 7–6 3.7b 21 0-74
IDC I 09 05 03 04.6–1.3 36.53N 140.58E 0 3.6,3.6b **¶610236993**
JMA I 09 05 03 05.4–.04 36.7N–.10 140.6E–.20 5–0 3.4,3.6b
ISC Event type ke.
JMA Event type fe. NORTHERN IBARAKI PREF .
(249) Luzon
ISC I 09 09 20 15.1–.43 18.09N–.04 120.51E–.05 33–1 4.8b,3.8s 200 4-153
MAN I 09 09 20 15.2 18.24N 120.30E 29 5.6b,4.9s **¶611831520**
NEIC I 09 09 20 16.1–1.9 18.07N–.07 120.6E–.10 37–7 4.8b,4.9s
GCMT I 09 09 20 17.1–.30 18.33N–.02 120.17E–.03 39–1 4.9W,4.9s
IDC I 09 09 20 18.9–2.6 17.96N 120.52E 78–22 4.4,4.1b
BJI I 09 09 20 18.6–.00 18.27N 120.15E 40 4.9b,4.5b
DJA I 09 09 20 21.2–.70 18N–3.0 120E–6.0 89–8 5.6,5.5b
ISC Event type fe.
MAN Event type fe. INTENSITY IV - LAOAG CITY PASUQUIN PAOAY AND BACARRA ILOCOS NORTE; INTENSITY III - VIGAN CITY AND SINAIT ILOCOS SUR; SARRAT ILOCOS NORTE; LA PAZ ABRA.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s27,c31; s70,c95;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr1.38±.20 Mθθ0.58±.12; Mφφ-1.96±.13; Mrθ-1.01±.10; Mθφ-1.50±.09; Mφr0.34±.12; Best double couple: NP1:φs239.00000°,δ61.00000°,λ142.00000°. NP2:φs350.00000°,δ58.00000°,λ36.00000°. Principal axes: T 2.3920,Plg46.0000° ,Azm204.0000°; N 0.2670,Plg44.0000°,Azm27.0000°; P -2.6590,Plg2.0000°,Azm295.0000° M0 2.52500×10^{16}
(232) Western Honshu
ISC I 09 21 52 30.5–.97 35.79N–.04 136.95E–.06 10 14 0-3
NIED I 09 21 52 30.2 35.80N 136.92E 10 3.5W **¶610051539**
JMA I 09 21 52 30.2–.03 35.80N–.09 136.9E–.10 10–0 3.8
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; Mrr0.46 Mθθ1.72 Mφφ-2.18 Mrθ-0.03 Mθφ-0.79 Mφr0.30 NP1:φs146.00000°,δ88.00000°,λ-7.00000°. NP2:φs236.00000° ,δ83.00000°,λ-178.00000°. M0 2.13000×10^{14}
JMA Event type fe. FUKUI GIFU BORDER REGION.
(262) Celebes Sea
ISC I 10 06 13 47.7–.17 4.41N–.02 122.56E–.02 628–1 6.5b 3196 3-178
MAN I 10 06 13 44.6 4.29N 122.96E 661 7.2s,7.0b **¶614538632**
BJI I 10 06 13 46.3–.00 4.41N 122.65E 620 6.8b,6.4b
KLM I 10 06 13 46 4.42N 122.98E 612 7.2b,6.4b
MOS I 10 06 13 46.3–.76 4.48N 122.61E 631 6.3b,6.4b
IDC I 10 06 13 47.7–.38 4.46N 122.58E 629–4 6.6,5.6b
DJA I 10 06 13 47.6–.10 4N–2.0 123E–1.0 629–2 7.6,7.2W
NEIC I 10 06 13 48.1–2.1 4.48N–.07 122.62E–.08 627–3 7.3,7.3
GCMT I 10 06 13 55.1–.10 4.57N–.01 122.78E–.01 622–1 7.3W,7.3
NEIC I 10 06 13 55 4.36N 122.71E 620 7.3W,7.3
NEIC I 10 06 14 05.6 4.49N 122.73E 611 7.3W,7.3
ISC Event type fe. Moment Tensor Solution. NP1:φs177.15033°,δ86.60802°,λ98.89662°. NP2: φs287.85574°,δ9.51645°,λ20.96937°. Principal axes: T Plg47.6644°,Azm96.4952° ; N Plg8.8809°,Azm356.6197°; P Plg40.9605°,Azm258.8240°
MAN Event type fe. INTENSITY IV - DAVAO CITY; INTENSITY III - ILOILO CITY; KIAMBA SOUTH COTABATO; CARAGA AND BOSTON DAVAO ORIENTAL; INTENSITY II - GENERAL SANTOS CITY; CAGAYAN DE ORO CITY; LAKE SEBU POLOMOLOK TAMBAKAN AND TUPI SOUTH COTABATO; MATI DAVAO ORIENTAL; BATARAZA PALAWAN; ROSARIO AGUSAN DEL SUR; PAGADIAN CITY; INTENSITY I - BISLIG CITY.
MOS Error ellipse: s-maj=7.0km s-min=4.3km az=112.2.
IDC Error ellipse: s-maj=7.7km s-min=5.3km az=64.0.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=10.8km az=101.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{20}Nm; Mrr-0.08 Mθθ0.15 Mφφ-0.07 Mrθ0.08 Mθφ0.15 Mφr-0.99 NP1:φs177.45000°,δ89.99000°,λ97.84000°. NP2:φs267.50000°,δ7.84000° ,λ0.05000°. Principal axes: T 0.9193,Plg44.0000°,Azm95.0000°; N 0.1630,Plg8.0000° ,Azm357.0000°; P -1.0823,Plg44.0000°,Azm260.0000° M0 1.01000×10^{20}
GCMT nsta1 refers to body waves, cutoff=50s. nsta2 refers to mantle waves, cutoff=150s. Triangular moment-rate function. Moment Tensor Solution. s167,c469; s165,c399; Duration: 10s5 Moment tensor: Scale 10^{20}Nm; Mrr-0.07±.00 Mθθ0.14±.00; Mφφ-0.07±.00; Mrθ0.07±.00; Mθφ0.27±.00; Mφr-0.97±.00; Best double couple: NP1:φs360.00000°,δ90.00000° ,λ-106.00000°. NP2:φs269.00000°,δ16.00000°,λ-1.00000°. Principal axes: T 0.9210,Plg43.0000°,Azm105.0000°; N 0.1640,Plg16.0000°,Azm360.0000° ; P -1.0850,Plg43.0000°,Azm255.0000° M0 1.00300×10^{20}
NEIC Event type se. Moment Tensor Solution.Duration: 14s6 Moment tensor: Scale 10^{19}Nm; Mrr-0.43 Mθθ1.86 Mφφ-1.43 Mrθ0.58 Mθφ2.87 Mφr-9.12 NP1:φs274.00000°,δ18.00000° ,λ3.00000°. NP2:φs182.00000°,δ89.00000°,λ108.00000°. Principal axes: T 8.5771,Plg43.0000°,Azm109.0000°; N 1.9836,Plg18.0000°,Azm1.0000° ; P -10.5607,Plg41.0000°,Azm255.0000° M0 9.72000×10^{19}
NEIC Event type se. Moment Tensor Solution.Duration: 23s9 Moment tensor: Scale 10^{20}Nm; Mrr0.00 Mθθ0.17 Mφφ-0.17 Mrθ0.08 Mθφ0.32 Mφr-0.95 NP1:φs180.14000°,δ87.80000° ,λ108.67000°. NP2:φs276.64000°,δ18.79000°,λ6.85000°. Principal axes: T 0.9049,Plg44.0000°,Azm109.0000°; N 0.1987,Plg19.0000°,Azm359.0000° ; P -1.1036,Plg40.0000°,Azm253.0000° M0 1.00000×10^{20}
(262) Celebes Sea
ISC I 10 06 25 43.3–.29 4.33N–.05 122.62E–.05 615 5.0b 200 3-137
MAN I 10 06 25 40.7 4.23N 122.87E 657 5.4b,4.6s **¶610237055**
DJA I 10 06 25 40.8–.50 4N–11 123E–7.0 630 5.3,5.2
IDC I 10 06 25 44.0–.70 4.36N 122.61E 626–9 5.2,4.2b
NEIC I 10 06 25 44.5–1.4 4.33N–.09 122.63E–.09 624–8 5.1b,4.2b
ISC Event type fe.
MAN Event type fe. INTENSITY II - MATI DAVAO ORIENTAL.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(212) Bonin Islands region
ISC I 10 16 21 56.0–.31 27.56N–.03 140.05E–.04 474–2 4.8b 1229 2-164
MOS I 10 16 21 54.8–.77 27.54N 139.99E 476 5.0b **¶610051620**
JMA I 10 16 21 55.0–.21 27.7N–.90 141E–2.0 490–2 5.5,4.7
BJI I 10 16 21 55.1–.00 27.57N 139.98E 478 5.3b,5.2b
NEIC I 10 16 21 55.6–1.4 27.60N–.08 140.0E–.10 462–5 4.8b,5.2b
IDC I 10 16 21 56.3–.35 27.57N 140.02E 476–3 5.1,4.2b
ISC Event type ke.
MOS Error ellipse: s-maj=7.6km s-min=4.2km az=113.7.
JMA Event type fe. W OFF OGASAWARA .
NEIC Event type se. Error ellipse: s-maj=13.3km s-min=12.1km az=97.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=9.0km s-min=6.0km az=89.0.

(228) Near east coast of eastern Honshu
ISC I 10 21 54 33.0–1.8 37.38N–.04 141.69E–.06 0–10 3.8b 46 1-147
IDC I 10 21 54 34.7–1.4 37.63N 141.47E 0 3.8b,3.7 **¶610207605**
NIED I 10 21 54 35.6 37.33N 141.60E 33 3.5W,3.7
JMA I 10 21 54 35.6–.17 37.3N–.30 141.6E–.80 33–1 3.8,3.7
NEIC I 10 21 54 36.2–.60 37.44N–.06 141.58E–.06 15–4 4.0b,3.7
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; Mrr-1.70 Mθθ0.67 Mφφ1.03 Mrθ-0.18 Mθφ1.45 Mφr-0.44 NP1:φs34.00000°,δ52.00000°,λ-100.00000°. NP2:φs230.00000° ,δ39.00000°,λ-78.00000°. M0 2.07000×10^{14}
JMA Event type fe. E OFF FUKUSHIMA PREF .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(227) Eastern Honshu
ISC I 11 00 06 06.8–.53 37.44N–.04 140.85E–.05 91–4 4.3b 104 0-148
IDC I 11 00 06 06.8–.58 37.47N 140.97E 90–4 4.1,3.8b **¶610207606**
JMA I 11 00 06 07.8–.09 37.5N–.20 140.8E–.40 90–0 4.1,4.1
NEIC I 11 00 06 07.6–1.6 37.45N–.04 140.80E–.07 91–6 4.4b,4.1
NIED I 11 00 06 07.8 37.46N 140.77E 90 4.2W,4.1
ISC Event type ke.
IDC Error ellipse: s-maj=13.1km s-min=9.8km az=134.0.
JMA Event type fe. EASTERN FUKUSHIMA PREF .
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=3.6km az=60.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; Mrr0.74 Mθθ0.55 Mφφ-1.29 Mrθ-1.02 Mθφ1.35 Mφr0.48 NP1:φs295.00000°,δ77.00000°,λ42.00000°. NP2:φs194.00000° ,δ50.00000°,λ163.00000°. M0 2.04000×10^{15}
(235) Kyushu
ISC I 11 10 11 16.4–.85 32.87N–.04 130.88E–.07 10 3.4b 13 0-72
JMA I 11 10 11 15.4–.03 32.90N–.09 130.9E–.10 9–0 3.4 **¶610060323**
IDC I 11 10 11 32.0–2.4 33.26N 131.93E 182–26 3.3,2.9b
ISC Event type ke.
JMA Event type fe. NW KUMAMOTO PREF .
IDC Error ellipse: s-maj=38.9km s-min=19.3km az=45.0.
(228) Near east coast of eastern Honshu
ISC I 11 17 12 51.5–1.4 37.14N–.04 141.28E–.08 31–9 3.5b 32 0-78
JMA I 11 17 12 51.0–.15 37.1N–.30 141.3E–.80 33–1 3.8 **¶610207609**
NIED I 11 17 12 51.0 37.13N 141.31E 33 3.6W
IDC I 11 17 12 57.1–2.3 37.11N 140.99E 79–21 3.6,3.2b
ISC Event type ke.
JMA Event type fe. E OFF FUKUSHIMA PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; Mrr-2.18 Mθθ0.27 Mφφ1.91 Mrθ1.03 Mθφ1.19 Mφr-0.43 NP1:φs231.00000°,δ51.00000°,λ-57.00000°. NP2:φs5.00000° ,δ49.00000°,λ-124.00000°. M0 2.62000×10^{14}
IDC Error ellipse: s-maj=26.0km s-min=17.3km az=93.0.
(228) Near east coast of eastern Honshu
ISC I 12 00 36 29.1–.74 36.09N–.04 140.13E–.05 70–6 4.4b 189 0-86
BJI I 12 00 36 26.9–.00 36.17N 140.00E 65 4.9b,4.9s **¶610057039**
MOS I 12 00 36 27.9–1.0 36.09N 140.19E 78 4.7b,4.9s
IDC I 12 00 36 29.8–1.6 36.04N 140.21E 82–13 4.1,3.8b
JMA I 12 00 36 30.2–.09 36.1N–.30 140.1E–.40 64–0 3.9,3.8b
NEIC I 12 00 36 30.0–1.5 36.13N–.07 140.13E–.10 78–7 4.5b,3.8b
NIED I 12 00 36 30.2 36.12N 140.08E 64 4.2W,3.8b
ISC Event type ke.
MOS Error ellipse: s-maj=11.9km s-min=6.6km az=127.8.
IDC Error ellipse: s-maj=15.0km s-min=12.6km az=71.0.
JMA Event type fe. SW IBARAKI PREF .
NEIC Event type se. Error ellipse: s-maj=12.6km s-min=8.0km az=125.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; Mrr1.47 Mθθ0.26 Mφφ-1.73 Mrθ-0.01 Mθφ-0.14 Mφr1.72 NP1:φs0.00000°,δ69.00000°,λ87.00000°. NP2:φs189.00000° ,δ22.00000°,λ98.00000°. M0 2.36000×10^{15}
(228) Near east coast of eastern Honshu
ISC I 12 21 47 27.7–1.4 38.25N–.06 142.1E–.10 58–10 3.6b 33 0-68
JMA I 12 21 47 28.9–.09 38.3N–.30 141.9E–.50 63–0 3.7 **¶610237262**
IDC I 12 21 47 28.4–2.8 38.31N 142.16E 68–24 3.6,3.4b
ISC Event type ke.
JMA Event type fe. E OFF MIYAGI PREF .
IDC Error ellipse: s-maj=37.5km s-min=16.8km az=95.0.
(227) Eastern Honshu
ISC I 12 23 41 45.8–.00 37.44N–.04 139.70E–.04 3–6 3.6b 27 0-78
IDC I 12 23 41 45.2–.79 37.38N 139.75E 0 3.6L,3.5 **¶610074538**
JMA I 12 23 41 45.6–.02 37.44N–.08 139.7E–.10 5–0 3.5,3.5
NIED I 12 23 41 45.6 37.44N 139.70E 5 3.8W,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=24.3km s-min=12.7km az=137.0.
JMA Event type fe. WESTERN FUKUSHIMA PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; Mrr-3.31 Mθθ2.03 Mφφ1.29 Mrθ2.11 Mθφ-2.63 Mφr-2.43 NP1:φs317.00000°,δ65.00000°,λ-83.00000°. NP2:φs122.00000° ,δ26.00000°,λ-104.00000°. M0 4.99000×10^{14}
(228) Near east coast of eastern Honshu
ISC I 13 01 20 53.7–1.2 37.45N–.04 141.47E–.05 23–7 4.4b,3.6s 167 0-147
MOS I 13 01 20 49.5–1.0 37.41N 141.56E 13 4.7b,3.6s **¶610068614**
IDC I 13 01 20 49.6–.67 37.38N 141.48E 0 4.2b,4.1
JMA I 13 01 20 51.7–.15 37.4N–.30 141.6E–.70 29–1 4.4,4.2
NIED I 13 01 20 51.7 37.38N 141.59E 29 4.1W,4.2
NEIC I 13 01 20 52.4–1.8 37.47N–.05 141.53E–.06 10–1 4.5b,4.2
ISC Event type ke.
JMA Event type fe. E OFF FUKUSHIMA PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; Mrr-1.32 Mθθ0.23 Mφφ1.09 Mrθ0.02 Mθφ0.80 Mφr0.07 NP1:φs210.00000°,δ46.00000°,λ-91.00000°. NP2:φs32.00000° ,δ44.00000°,λ-89.00000°. M0 1.45000×10^{15}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(228) Near east coast of eastern Honshu
ISC I 13 03 25 31.5–.34 35.68N–.03 140.63E–.04 56–2 5.0b,4.2s 630 0-150
BGR I 13 03 25 24.8 35.08N 141.71E 33 5.2b,4.5s **¶610068620**
MOS I 13 03 25 28.3–1.1 35.65N 140.59E 41 5.2b,4.0s
BJI I 13 03 25 28.0–.00 35.60N 140.70E 63 5.1b,5.0b
NEIC I 13 03 25 30.7–2.0 35.66N–.05 140.77E–.09 49–4 5.0,5.0b
NIED I 13 03 25 30.7 35.73N 140.61E 50 5.1W,5.0b
NEIC I 13 03 25 30 35.65N 140.78E 60 5.1W,5.0b
JMA I 13 03 25 30.7–.18 35.7N–.50 140.6E–.60 50–1 5.1W,4.9
IDC I 13 03 25 31.3–1.3 35.59N 140.51E 53–11 4.7,4.4b
GCMT I 13 03 25 33.7–.20 35.60N–.01 140.67E–.02 51–1 5.1W,4.4b
ISC Event type ke. Moment Tensor Solution. NP1:φs153.34897°,δ8.34995°,λ50.45107°. NP2: φs13.19799°,δ83.57080°,λ95.33917°. Principal axes: T Plg51.1499°,Azm289.2189° ; N Plg5.3055°,Azm192.5984°; P Plg38.3477°,Azm98.3854° Moment Tensor Solution. NP1: φs329.84283°,δ65.22982°,λ60.94606°. NP2:φs202.81982°,δ37.46396°,λ136.46370°. Principal axes: T Plg59.0392°,Azm197.9688°; N Plg26.1647°,Azm342.9457°; P Plg15.3665° ,Azm80.7053°
BGR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; Mrr3.03 Mθθ-0.51 Mφφ-2.52 Mrθ0.05 Mθφ-0.04 Mφr4.17 NP1:φs1.00000°,δ73.00000°,λ90.00000°. NP2:φs181.00000° ,δ17.00000°,λ90.00000°. M0 5.01000×10^{16}
NEIC Event type se. Moment Tensor Solution.Duration: 2s0 Moment tensor: Scale 10^{16}Nm; Mrr2.91 Mθθ0.95 Mφφ-3.86 Mrθ0.09 Mθφ-1.18 Mφr2.95 NP1:φs208.00000°,δ27.00000° ,λ112.00000°. NP2:φs3.00000°,δ65.00000°,λ79.00000°. Principal axes: T 4.0542,Plg68.0000°,Azm253.0000°; N 1.1213,Plg10.0000°,Azm8.0000° ; P -5.1755,Plg20.0000°,Azm101.0000° M0 4.72000×10^{16}
JMA Event type fe. NEAR CHOSHI CITY .
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s61,c91; s107,c153;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr4.43±.15 Mθθ-0.28±.12; Mφφ-4.15±.10; Mrθ-0.35±.09; Mθφ-0.54±.09; Mφr3.44±.10; Best double couple: NP1:φs360.00000°,δ64.00000°,λ83.00000°. NP2:φs195.00000°,δ26.00000°,λ104.00000°. Principal axes: T 5.6820,Plg70.0000° ,Azm256.0000°; N -0.2970,Plg6.0000°,Azm3.0000°; P -5.3890,Plg19.0000°,Azm95.0000° M0 5.53500×10^{16}

(238) Ryukyu Islands
ISC I 13 12 28 39.4–.58 26.58N–.04 127.83E–.04 54–5 4.6b,3.4s 198 0-93
BJI I 13 12 28 35.5–.00 26.26N 127.89E 53 4.6b,4.4b **¶610086840**
NEIC I 13 12 28 38.8–2.5 26.42N–.07 127.91E–.06 48–5 4.6b,4.4b
IDC I 13 12 28 39.2–1.2 26.71N 127.75E 43–12 4.4,4.1b
JMA I 13 12 28 40.1–.19 26.7N–.60 127.8E–.60 47–2 4.0,4.0
NIED I 13 12 28 40.1 26.67N 127.76E 47 4.5W,4.0
ISC Event type ke. Moment Tensor Solution. NP1:φs290.18802°,δ6.71846°,λ173.80411°. NP2: φs26.34169°,δ89.27653°,λ83.32043°. Principal axes: T Plg45.3310°,Azm289.6230° ; N Plg6.6790°,Azm26.4264°; P Plg43.8937°,Azm122.8954°
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=7.8km az=171.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=17.6km s-min=14.5km az=81.0.
JMA Event type fe. NEAR OKINAWAJIMA ISLAND .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; Mrr1.32 Mθθ-0.85 Mφφ-0.47 Mrθ4.19 Mθφ-0.60 Mφr3.71 NP1:φs49.00000°,δ83.00000°,λ89.00000°. NP2:φs239.00000° ,δ7.00000°,λ100.00000°. M0 5.75000×10^{15}
(228) Near east coast of eastern Honshu
ISC I 13 20 26 23.3–1.8 37.36N–.04 141.65E–.06 4–11 3.8b,3.5s 52 1-79
IDC I 13 20 26 23.0–.97 37.37N 141.56E 0 3.8,3.7b **¶614105692**
NEIC I 13 20 26 24.7–1.9 37.40N–.05 141.58E–.05 10–2 4.2b,3.7b
JMA I 13 20 26 24.8–.17 37.4N–.40 141.6E–.80 25–1 4.2,4.1
NIED I 13 20 26 24.8 37.39N 141.60E 25 3.9W,4.1
ISC Event type ke.
IDC Error ellipse: s-maj=27.1km s-min=18.3km az=97.0.
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=3.0km az=38.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. E OFF FUKUSHIMA PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; Mrr-6.90 Mθθ2.34 Mφφ4.56 Mrθ0.42 Mθφ5.24 Mφr-0.35 NP1:φs33.00000°,δ45.00000°,λ-99.00000°. NP2:φs225.00000° ,δ45.00000°,λ-81.00000°. M0 7.88000×10^{14}
(97) Near coast of Venezuela
ISC I 14 03 34 31.9–.71 10.74N–.04 62.42W–.04 81–7 4.3b 117 1-97
VAO I 14 03 34 26.3–.57 10.82N 62.28W 10 4.1b **¶610087849**
IDC I 14 03 34 30.0–3.6 10.96N 62.22W 60–35 4.0,3.7b
NEIC I 14 03 34 32.8–1.1 10.70N–.07 62.33W–.04 91–9 4.4b,3.7b
FUNV I 14 03 34 33.8 10.71N 62.32W 24 4.0W,3.7b
TRN I 14 03 34 34.9 10.81N 62.36W 30 4.2,3.7b
ISC Event type se.
VAO Error ellipse: s-maj=6.7km s-min=8.0km az=-1.0.
IDC Error ellipse: s-maj=26.8km s-min=19.0km az=56.0.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=4.9km az=171.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TRN Event type fe. Felt Trinidad, MMI III.
(327) Lake Baykal region
ISC I 14 23 13 34.2–.71 54.89N–.02 111.26E–.02 16–4 3.8b,3.6s 209 0-81
BJI I 14 23 13 31.6–.00 54.94N 111.65E 13 4.5b,4.2s **¶610094886**
IDC I 14 23 13 31.7–.69 54.85N 111.23E 0 3.8,3.8L
MOS I 14 23 13 32.0–1.1 54.80N 111.29E 11 4.0b,3.8L
BYKL I 14 23 13 34.5–.13 54.87N 111.24E 20–2 4.0b,3.8L
NEIC I 14 23 13 34.0–2.0 54.90N–.10 111.2E–.20 15–5 4.1b,3.8L
ISC Event type se.
MOS Event type fe. Felt (IV) at Ulyunkhan. Moment Tensor Solution.
BYKL Event type se. FELT I=IV MSK at Ulyunkhan.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(233) Near south coast of western Honshu
ISC I 15 15 52 25.9–1.0 34.18N–.05 135.74E–.04 60–6 27 0-54
IDC I 15 15 52 25.1–1.4 34.13N 135.72E 49–23 3.4,3.2L **¶610207613**
JMA I 15 15 52 26.2–.09 34.2N–.20 135.8E–.30 59–0 3.5,3.2L
NIED I 15 15 52 26.2 34.20N 135.75E 59 3.4W,3.2L
ISC Event type ke.
IDC Error ellipse: s-maj=24.7km s-min=10.4km az=152.0.
JMA Event type fe. SOUTHERN NARA PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; Mrr-0.32 Mθθ1.32 Mφφ-1.00 Mrθ0.54 Mθφ-0.97 Mφr-0.42 NP1:φs155.00000°,δ87.00000°,λ21.00000°. NP2:φs64.00000° ,δ69.00000°,λ177.00000°. M0 1.63000×10^{14}
(228) Near east coast of eastern Honshu
ISC I 16 14 21 47.7–.73 40.19N–.04 142.44E–.04 48–6 4.4b,4.2s 187 1-80
MOS I 16 14 21 46.4–.93 40.19N 142.52E 56 4.6b,4.2s **¶610097485**
JMA I 16 14 21 46.9–.12 40.2N–.30 142.4E–.70 35–1 4.2,4.1
NIED I 16 14 21 46.9 40.16N 142.42E 35 4.1W,4.1
IDC I 16 14 21 49.4–1.7 40.21N 142.47E 66–14 4.1,3.8b
NEIC I 16 14 21 49.2–1.4 40.20N–.06 142.3E–.10 54–7 4.6b,3.8b
ISC Event type ke.
JMA Event type fe. NE OFF IWATE PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; Mrr1.10 Mθθ-0.09 Mφφ-1.00 Mrθ0.49 Mθφ-0.16 Mφr1.14 NP1:φs20.00000°,δ70.00000°,λ96.00000°. NP2:φs182.00000° ,δ21.00000°,λ73.00000°. M0 1.63000×10^{15}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(228) Near east coast of eastern Honshu
ISC I 16 22 35 22.7–1.5 38.65N–.05 142.13E–.09 43–11 4.1b 80 1-85
NIED I 16 22 35 22.2 38.65N 142.16E 40 4.2W **¶610207618**
JMA I 16 22 35 22.2–.11 38.7N–.20 142.2E–.60 40–1 4.1,3.9
NEIC I 16 22 35 24.8–1.1 38.70N–.10 142.1E–.20 59–10 4.3b,3.9
IDC I 16 22 35 24.3–2.5 38.67N 142.12E 57–21 3.9,3.6b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; Mrr1.36 Mθθ-0.56 Mφφ-0.80 Mrθ0.44 Mθφ-0.85 Mφr1.12 NP1:φs28.00000°,δ65.00000°,λ78.00000°. NP2:φs235.00000° ,δ27.00000°,λ114.00000°. M0 1.89000×10^{15}
JMA Event type fe. E OFF MIYAGI PREF .
NEIC Event type se. Error ellipse: s-maj=22.5km s-min=8.7km az=121.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=26.1km s-min=15.5km az=106.0.
(228) Near east coast of eastern Honshu
ISC I 17 01 55 33.9–1.0 39.58N–.05 142.21E–.09 52–8 3.8b 40 0-149
NIED I 17 01 55 33.8 39.60N 142.24E 51 3.9W **¶610180895**
JMA I 17 01 55 33.8–.09 39.6N–.20 142.2E–.50 51–0 4.0,3.9
IDC I 17 01 55 35.7–2.2 39.56N 142.10E 71–20 3.9,3.6b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; Mrr7.42 Mθθ-2.00 Mφφ-5.43 Mrθ2.57 Mθφ-1.67 Mφr1.71 NP1:φs34.00000°,δ56.00000°,λ101.00000°. NP2:φs194.00000° ,δ35.00000°,λ74.00000°. M0 7.40000×10^{14}
JMA Event type fe. E OFF IWATE PREF .
IDC Error ellipse: s-maj=19.4km s-min=12.9km az=123.0.
(236) Shikoku
ISC I 17 04 59 43.6–1.1 33.69N–.05 132.13E–.05 54–9 17 0-68
JMA I 17 04 59 44.0–.05 33.7N–.10 132.2E–.20 55–0 3.2 **¶610237567**
IDC I 17 04 59 44.3–2.0 33.65N 132.02E 68–25 3.6,3.6b
ISC Event type ke.
JMA Event type fe. IYONADA SETONAIKAI .
IDC Error ellipse: s-maj=53.6km s-min=21.2km az=151.0.
(660) Sea of Japan
JMA I 17 06 53 08.8–.06 36.6N–.20 136.0E–.30 22–0 3.6
NIED I 17 06 53 08.8 36.59N 135.98E 22 3.4W **¶610207620**
JMA Event type fe. NW OFF HOKURIKU DISTRICT.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; Mrr0.93 Mθθ0.26 Mφφ-1.20 Mrθ0.45 Mθφ0.24 Mφr0.21 NP1:φs16.00000°,δ55.00000°,λ125.00000°. NP2:φs145.00000° ,δ48.00000°,λ51.00000°. M0 1.22000×10^{14}
(224) Hokkaido region
ISC I 17 15 28 24.8–.64 41.54N–.03 142.11E–.03 67–6 4.3b 158 1-114
MOS I 17 15 28 22.1–.83 41.49N 142.07E 60 4.4b **¶610098996**
IDC I 17 15 28 23.8–1.9 41.58N 142.11E 57–16 3.9,3.6b
JMA I 17 15 28 24.1–.16 41.6N–.50 142.1E–.70 65–2 3.8,3.6b
NEIC I 17 15 28 24.3–1.8 41.52N–.07 142.13E–.09 60–7 4.4b,3.6b
NIED I 17 15 28 24.1 41.55N 142.06E 65 3.9W,3.6b

ISC Event type ke.
MOS Error ellipse: s-maj=9.6km s-min=6.8km az=90.2.
IDC Error ellipse: s-maj=16.6km s-min=11.7km az=118.0.
JMA Event type fe. E OFF AOMORI PREF .
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=5.9km az=136.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}5.47 $M_{\theta\theta}$-0.73 $M_{\phi\phi}$-4.74 $M_{r\theta}$2.97 $M_{\theta\phi}$0.52 $M_{\phi r}$5.78 NP1:ϕ_s18.00000°,δ71.00000°,λ103.00000°. NP2:ϕ_s162.00000°,δ22.00000°,λ56.00000°. $M_0$8.19000×10^{14}

(235) Kyushu

ISC I 17 22 23 21.6–.79 31.83N–.04 131.24E–.05 64–6 3.5b 36 0-73
JMA I 17 22 23 21.7–.08 31.8N–.20 131.3E–.30 63–0 3.4 **¶614109525**
IDC I 17 22 23 22.1–1.3 31.81N 131.15E 71–11 3.7,3.4b
ISC Event type ke.
JMA Event type fe. SOUTHERN MIYAZAKI PREF .
IDC Error ellipse: s-maj=28.3km s-min=10.9km az=92.0.

(227) Eastern Honshu

ISC I 18 05 56 07.1–.86 36.18N–.05 139.87E–.05 53–7 3.6b 39 0-58
NEIC I 18 05 56 06.9–2.1 36.13N–.06 140.01E–.09 49–9 4.1b **¶610101645**
IDC I 18 05 56 07.9–3.5 36.11N 139.81E 61–29 3.4,3.2s
JMA I 18 05 56 07.4–.10 36.1N–.30 139.8E–.30 50–0 3.5,3.2s
NIED I 18 05 56 07.4 36.14N 139.84E 50 3.6W,3.2s
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=6.1km az=125.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=33.6km s-min=27.0km az=67.0.
JMA Event type fe. SW IBARAKI PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}2.38 $M_{\theta\theta}$-1.06 $M_{\phi\phi}$-1.31 $M_{r\theta}$1.49 $M_{\theta\phi}$-1.23 $M_{\phi r}$0.91 NP1:ϕ_s52.00000°,δ63.00000°,λ99.00000°. NP2:ϕ_s213.00000°,δ28.00000°,λ73.00000°. $M_0$2.97000×10^{14}

(228) Near east coast of eastern Honshu

ISC I 18 08 19 25.8–.56 36.43N–.03 140.72E–.05 57–5 4.5b,3.0s 214 0-148
BJI I 18 08 19 23.2–.00 36.38N 140.66E 51 4.9b,4.7 **¶610099372**
MOS I 18 08 19 24.3–1.4 36.52N 140.67E 57 4.8b,4.7
JMA I 18 08 19 25.8–.10 36.4N–.20 140.6E–.50 53–0 4.3W,4.2
NIED I 18 08 19 25.8 36.43N 140.64E 53 4.2W,4.2
NEIC I 18 08 19 27.0–2.0 36.48N–.05 140.65E–.09 59–7 4.5b,4.2
IDC I 18 08 19 27.5–1.5 36.38N 140.60E 70–14 4.3,4.0b
ISC Event type ke.
MOS Error ellipse: s-maj=9.8km s-min=5.9km az=111.5.
JMA Event type fe. NORTHERN IBARAKI PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}1.51 $M_{\theta\theta}$-0.34 $M_{\phi\phi}$-1.17 $M_{r\theta}$0.63 $M_{\theta\phi}$-0.34 $M_{\phi r}$1.70 NP1:ϕ_s20.00000°,δ71.00000°,λ90.00000°. NP2:ϕ_s199.00000°,δ19.00000°,λ89.00000°. $M_0$2.29000×10^{15}
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=7.1km az=111.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=15.2km s-min=9.4km az=79.0.

(230) Near south coast of eastern Honshu

ISC I 18 13 08 17.9–.84 35.67N–.04 139.97E–.04 67–7 3.5b 35 0-56
IDC I 18 13 08 16.7–2.0 35.60N 140.07E 53–19 3.6,3.3b **¶614110118**
JMA I 18 13 08 17.7–.19 35.8N–.50 140.0E–.70 60–1 3.2,3.3b
ISC Event type ke.
JMA Event type fe. NORTHERN CHIBA PREF .

(228) Near east coast of eastern Honshu

ISC I 19 12 17 31.7–.61 40.02N–.04 142.31E–.06 10 3.9b 31 0-88
IDC I 19 12 17 30.5–.70 40.09N 142.24E 0 3.8,3.8b **¶610207624**
NIED I 19 12 17 31.8 40.02N 142.27E 20 4.0W,3.8b
JMA I 19 12 17 31.8–.09 40.0N–.20 142.3E–.50 20–0 4.2,4.2
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.01 $M_{\theta\theta}$1.00 $M_{\phi\phi}$-1.00 $M_{r\theta}$0.48 $M_{\theta\phi}$0.07 $M_{\phi r}$-0.38 NP1:ϕ_s133.00000°,δ89.00000°,λ31.00000°. NP2:ϕ_s42.00000°,δ59.00000°,λ179.00000°. $M_0$1.17000×10^{15}
JMA Event type fe. NE OFF IWATE PREF .

(235) Kyushu

ISC I 20 09 03 33.3–.81 30.43N–.05 130.41E–.06 71–6 3.6b 39 0-74
JMA I 20 09 03 33.8–.07 30.5N–.20 130.4E–.20 68–0 3.2 **¶610234927**
IDC I 20 09 03 35.8–5.5 30.53N 130.43E 93–35 3.6,3.3b
ISC Event type ke.
JMA Event type fe. NEAR TANEGASHIMA ISLAND .
IDC Error ellipse: s-maj=47.4km s-min=25.7km az=175.0.

(212) Bonin Islands region

ISC I 20 14 18 57.6–.58 27.05N–.06 141.61E–.09 50 4.2b 51 1-124
NEIC I 20 14 18 56.9–1.1 27.1N–.10 141.6E–.10 38–0 4.4b **¶610180897**
IDC I 20 14 18 58.9–1.3 27.07N 141.63E 62–12 4.0,3.8b
JMA I 20 14 18 59.3–.12 27.1N–.40 142E–2.0 60 4.2,3.8b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. NEAR CHICHIJIMA ISLAND .

(246) Southwestern Ryukyu Islands

ISC I 20 15 16 06.8–.68 24.85N–.08 125.39E–.05 48–5 4.0b 77 0-85
NEIC I 20 15 16 05.7–2.0 24.93N–.07 125.38E–.06 33–4 4.3b **¶610207627**
JMA I 20 15 16 06.9–.11 24.8N–.50 125.4E–.40 50–0 3.9
NIED I 20 15 16 06.9 24.83N 125.38E 50 4.1W
IDC I 20 15 16 08.1–2.9 24.90N 125.38E 54–27 3.9,3.6b
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=7.4km az=190.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. NEAR MIYAKOJIMA ISLAND .
NIED Moment Tensor Solution. s2 Moment tensor: Scale 10^{15}Nm; M_{rr}1.16 $M_{\theta\theta}$-0.67 $M_{\phi\phi}$-0.50 $M_{r\theta}$0.30 $M_{\theta\phi}$-0.81 $M_{\phi r}$0.47 NP1:ϕ_s41.00000°,δ57.00000°,λ81.00000°. NP2:ϕ_s237.00000°,δ34.00000°,λ103.00000°. $M_0$1.40000×10^{15}
IDC Error ellipse: s-maj=18.6km s-min=17.1km az=161.0.

(657) Priamurye-Northeastern China border region

ISC I 21 03 22 24.8–.75 44.54N–.04 132.32E–.07 10 3.5b 21 0-64
MOS I 21 03 22 21.6–2.4 44.64N 132.32E 14 4.4b **¶610234972**
IDC I 21 03 22 21.1–1.2 44.66N 132.64E 0 3.3,3.3b
SKHL I 21 03 22 22.7–.20 44.63N 132.56E 14–7 4.2b,3.3s
ISC Event type ke.
MOS Event type fe. Error ellipse: s-maj=29.0km s-min=14.4km az=82.5. Felt (III) at Spassk-Dal'niy. Moment Tensor Solution.
IDC Error ellipse: s-maj=13.1km s-min=9.4km az=121.0.
SKHL Felt (IV) at rec center on Lake Khanka; (III) at Voskresenka, Prohory, Spasskoe, Novosel'skoe, Spassk-Dal'niy; (II) at Kamen'-Rybolov.

(235) Kyushu

ISC I 21 08 39 35.3–1.1 33.00N–.05 130.78E–.06 11–10 9 0-7
JMA I 21 08 39 35.4–.04 33.0N–.10 130.8E–.10 10–0 3.0 **¶612488466**
ISC Event type ke.
JMA Event type fe. NW KUMAMOTO PREF .

(228) Near east coast of eastern Honshu

ISC I 21 11 54 32.9–.43 40.58N–.03 142.50E–.04 48–3 4.7b,3.9s 378 1-146
MOS I 21 11 54 31.6–.85 40.65N 142.50E 49 4.9b,3.9s **¶610104788**
BJI I 21 11 54 31.5–.00 40.66N 142.50E 61 5.0b,4.6b
NIED I 21 11 54 31.1 40.56N 142.54E 29 4.5W,4.6b
JMA I 21 11 54 31.1–.14 40.6N–.30 142.5E–.60 29–1 4.5W,4.5
NEIC I 21 11 54 32.9–1.6 40.65N–.06 142.40E–.08 39–7 4.8b,4.5
IDC I 21 11 54 32.7–1.4 40.65N 142.50E 47–12 4.3,4.1b
ISC Event type ke. Moment Tensor Solution. NP1:ϕ_s180.56804°,δ25.18020°,λ75.52145°. NP2:ϕ_s16.49320°,δ65.67234°,λ96.70400°. Principal axes: T Plg68.6241°,Azm299.5830°; N Plg6.1063°,Azm193.7209°; P Plg20.4028°,Azm101.4404°
MOS Error ellipse: s-maj=7.4km s-min=4.5km az=102.9.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}2.89 $M_{\theta\theta}$-0.36 $M_{\phi\phi}$-2.53 $M_{r\theta}$2.30 $M_{\theta\phi}$-1.63 $M_{\phi r}$5.28 NP1:ϕ_s24.00000°,δ76.00000°,λ87.00000°. NP2:ϕ_s214.00000°,δ14.00000°,λ100.00000°. $M_0$6.57000×10^{15}
JMA Event type fe. E OFF AOMORI PREF .
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=7.2km az=133.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=15.2km s-min=8.8km az=115.0.

(251) Samar

ISC I 21 15 34 15.7–.50 11.47N–.03 125.47E–.05 76–4 4.5b 176 1-165
MAN I 21 15 34 12.8 11.49N 125.55E 43 5.2b,4.4s **¶610104792**
IDC I 21 15 34 15.5–.83 11.42N 125.38E 71–7 4.4,4.1b
NEIC I 21 15 34 17.9–1.6 11.43N–.09 125.5E–.10 92–7 4.5b,4.1b
ISC Event type fe.
MAN Event type fe. INTENSITY III - BORONGAN & LLORENTE EASTERN SAMAR; TACLOBAN CITY; INTENSITY II - SULAT & LAWAAN EASTERN SAMAR; DULAG & PALO LEYTE.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(224) Hokkaido region

ISC I 21 18 11 06.2–.33 41.09N–.03 142.45E–.03 52–2 4.8b,3.8s 764 1-153
IDC I 21 18 10 59.0–.51 41.16N 142.31E 0 5.4L,4.5 **¶611831621**
MOS I 21 18 11 03.6–.88 41.04N 142.40E 44 5.1b,4.5
NIED I 21 18 11 05.6 41.07N 142.44E 37 4.5W,4.5
BJI I 21 18 11 05.7–.00 41.04N 142.38E 71 5.0b,4.7b
JMA I 21 18 11 05.6–.13 41.1N–.40 142.4E–.70 37–3 4.5W,4.5
NEIC I 21 18 11 07.5–1.8 41.15N–.06 142.36E–.10 57–6 4.8b,4.5
BGR I 21 18 11 12.4 41.62N 142.05E 57 4.5b,4.5
ISC Event type ke. Moment Tensor Solution. NP1:ϕ_s45.08082°,δ77.38097°,λ112.97634°. NP2:ϕ_s162.34143°,δ26.04796°,λ29.83525°. Principal axes: T Plg52.1634°,Azm341.8229°; N Plg22.3908°,Azm219.7888°; P Plg28.7379°,Azm116.7325°
IDC Error ellipse: s-maj=14.9km s-min=12.0km az=115.0.
MOS Error ellipse: s-maj=5.9km s-min=4.1km az=108.8.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}2.93 $M_{\theta\theta}$0.17 $M_{\phi\phi}$-3.10 $M_{r\theta}$2.62 $M_{\theta\phi}$-0.43 $M_{\phi r}$4.03 NP1:ϕ_s28.00000°,δ75.00000°,λ102.00000°. NP2:ϕ_s169.00000°,δ19.00000°,λ52.00000°. $M_0$5.69000×10^{15}
JMA Event type fe. E OFF AOMORI PREF .
NEIC Event type se. Error ellipse: s-maj=11.6km s-min=7.0km az=122.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BGR Event type ke.

(224) Hokkaido region

ISC I 22 12 13 43.9–.52 42.03N–.04 142.61E–.03 71–4 4.3b 172 0-146
MOS I 22 12 13 42.5–.88 42.04N 142.68E 77 4.5b **¶610105079**
JMA I 22 12 13 43.1–.17 42.0N–.70 142.6E–.70 64–1 4.1,4.1
NEIC I 22 12 13 43.9–1.8 42.01N–.06 142.7E–.10 70–7 4.4b,4.1
IDC I 22 12 13 44.3–.73 42.09N 142.58E 74–6 4.2,3.9b
ISC Event type ke.
MOS Error ellipse: s-maj=8.3km s-min=5.8km az=89.1.
JMA Event type fe. S OFF URAKAWA .
NEIC Event type se. Error ellipse: s-maj=13.3km s-min=6.5km az=122.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=12.2km s-min=8.1km az=104.0.

(228) Near east coast of eastern Honshu

ISC I 22 15 25 06.2–1.9 37.24N–.04 141.61E–.06 2–11 3.5b 41 1-74
IDC I 22 15 25 05.9–.99 37.16N 141.83E 0 3.7s,3.7 **¶610235118**
JMA I 22 15 25 07.7–.15 37.3N–.30 141.5E–.70 30–1 4.2,4.1
ISC Event type ke.
JMA Event type fe. E OFF FUKUSHIMA PREF .

(715) Tajikistan

ISC I 23 01 40 49.8–.49 40.15N–.02 72.10E–.02 12–3 4.4b,3.1s 338 0-86
MOS I 23 01 40 49.9–1.1 40.01N 71.91E 21 4.4b,3.1s **¶610105264**
KRNET I 23 01 40 50.4–.10 40.03N 72.04E 24 4.7b,3.1s
IDC I 23 01 40 50.8–.94 40.01N 72.05E 20–4 3.9,3.7b
ISU I 23 01 40 50.6 40.09N 71.87E 24 3.9,3.7b
NEIC I 23 01 40 52.0–1.4 40.19N–.05 71.96E–.07 21–5 4.5b,3.7b
SOME I 23 01 40 51.6 40.13N 72.05E 15 3.6s,3.7b
NNC I 23 01 40 52.8–1.2 40.23N 71.97E 10–6 5.0b,4.8
BJI I 23 01 40 53.0–.00 40.16N 71.98E 49 4.6b,4.1
ISC Event type se.
MOS Event type fe. Error ellipse: s-maj=5.6km s-min=4.0km az=69.0. Felt (IV-V) at Karool; (IV) at Maydan; (III) at Tamasha; (II-III) at Kadamjay, Kyzyl-Kiya, Osh. Moment Tensor Solution.
IDC Error ellipse: s-maj=14.3km s-min=9.8km az=149.0.
NEIC Event type se. Error ellipse: s-maj=8.2km s-min=7.5km az=110.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=9.8km s-min=4.6km az=2.0.

(224) Hokkaido region

ISC I 23 06 11 56.6–.92 45.36N–.04 142.25E–.04 10 13 0-3
SKHL I 23 06 11 55.3–.30 45.40N 142.20E 12–2 4.3b **¶614114254**
JMA I 23 06 11 57.0–.27 45.4N–.80 142.3E–1.0 0 3.4
ISC Event type ke.
JMA Event type fe. NE OFF HOKKAIDO .

(229) Off east coast of Honshu

ISC I 24 13 12 05.4–.45 40.33N–.05 143.29E–.04 10 4.6b,3.7s 229 1-141
IDC I 24 13 12 03.9–.64 40.30N 143.28E 0 4.2b,4.1 **¶611831639**
JMA I 24 13 12 05.7–.28 40.3N–.60 143.2E–.90 12–3 4.6,4.4
NIED I 24 13 12 05.7 40.30N 143.20E 12 4.3W,4.4
BJI I 24 13 12 05.4–.00 40.36N 143.16E 18 4.9b,4.5s
MOS I 24 13 12 07.3–1.1 40.36N 143.23E 33 4.8b,4.5s
NEIC I 24 13 12 08.7–1.5 40.38N–.06 143.13E–.08 25–5 4.7b,4.5s
ISC Event type ke.
JMA Event type fe. FAR E OFF SANRIKU .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.45 $M_{\theta\theta}$1.34 $M_{\phi\phi}$-0.89 $M_{r\theta}$1.50 $M_{\theta\phi}$-2.09 $M_{\phi r}$0.24 NP1:ϕ_s259.00000°,δ85.00000°,λ-146.00000°. NP2:ϕ_s165.00000°,δ56.00000°,λ-6.00000°. $M_0$2.82000×10^{15}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(228) Near east coast of eastern Honshu

ISC I 25 15 00 13.2–1.7 37.37N–.04 141.51E–.06 17–10 3.7b 50 1-147
IDC I 25 15 00 10.6–.78 37.36N 141.53E 0 3.7,3.7b **¶610207634**
JMA I 25 15 00 12.9–.16 37.4N–.40 141.7E–.80 31–1 4.1,4.1
NIED I 25 15 00 12.9 37.35N 141.66E 31 3.8W,4.1
ISC Event type ke.
IDC Error ellipse: s-maj=19.8km s-min=15.5km az=126.0.
JMA Event type fe. E OFF FUKUSHIMA PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-3.88 $M_{\theta\theta}$1.85 $M_{\phi\phi}$2.03 $M_{r\theta}$-0.04 $M_{\theta\phi}$2.45 $M_{\phi r}$-2.69 NP1:ϕ_s23.00000°,δ61.00000°,λ-113.00000°. NP2:ϕ_s244.00000°,δ36.00000°,λ-54.00000°. $M_0$4.95000×10^{14}

(228) Near east coast of eastern Honshu

ISC I 26 05 45 43.8–1.4 38.90N–.06 142.0E–.10 50–8 3.9b 27 0-73
IDC I 26 05 45 35.0–1.8 39.07N 142.68E 0 3.9b,3.8 **¶610235363**
JMA I 26 05 45 44.4–.10 38.9N–.30 141.9E–.60 51–0 3.6,3.8
ISC Event type ke.
JMA Event type fe. KINKAZAN REGION .

(228) Near east coast of eastern Honshu

ISC I 26 08 06 27.8–.22 40.19N–.02 142.45E–.03 31 5.3b,4.5s 1334 1-159
BJI I 26 08 06 24.5–.00 40.01N 142.65E 39 5.1b,5.0b **¶611831653**
NIED I 26 08 06 27.9 40.17N 142.46E 36 5.1W,5.0b
JMA I 26 08 06 27.9–.09 40.2N–.20 142.5E–.50 36–0 5.2,5.1W
MOS I 26 08 06 28.5–.86 40.25N 142.40E 47 5.6b,4.5s
IDC I 26 08 06 29.7–.46 40.17N 142.36E 46–3 5.2,4.9b
NEIC I 26 08 06 30.2–1.9 40.24N–.05 142.43E–.08 42–5 5.4b,5.1
GCMT I 26 08 06 31.2–.20 40.25N–.01 142.46E–.02 42–0 5.2W,5.1
BGR I 26 08 06 35.7 40.88N 142.29E 46–0 5.2b,4.7s
NEIC I 26 08 06 37.4 40.15N 142.58E 50 5.2b,4.7s
ISC Event type ke. Moment Tensor Solution. NP1:ϕ_s37.07205°,δ52.23656°,λ100.41933°. NP2:ϕ_s200.35889°,δ38.96682°,λ76.85915°. Principal axes: T Plg79.3632°,Azm350.9249°; N Plg8.2198°,Azm210.6470°; P Plg6.7045°,Azm119.6740°
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}3.36 $M_{\theta\theta}$0.24 $M_{\phi\phi}$-3.60 $M_{r\theta}$1.87 $M_{\theta\phi}$-0.63 $M_{\phi r}$3.34 NP1:ϕ_s24.00000°,δ69.00000°,λ102.00000°. NP2:ϕ_s174.00000°,δ24.00000°,λ62.00000°. $M_0$5.21000×10^{16}
JMA Event type fe. NE OFF IWATE PREF .
MOS Error ellipse: s-maj=5.8km s-min=3.6km az=109.5.
IDC Error ellipse: s-maj=9.6km s-min=8.3km az=109.0.

NEIC Event type se. Error ellipse: s-maj=9.1km s-min=7.0km az=118.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}2.20 $M_{\theta\theta}$-0.23 $M_{\phi\phi}$-1.97 $M_{r\theta}$1.24 $M_{\theta\phi}$-0.14 $M_{\phi r}$3.14 NP1:ϕ_s175.69000°,δ16.84000°,λ67.98000°. NP2:ϕ_s18.60000°,δ74.42000°,λ96.48000°. Principal axes: T 4.1287,Plg60.0000°,Azm298.0000°; N -0.3280,Plg6.0000°,Azm197.0000°; P -3.8007,Plg29.0000°,Azm103.0000° $M_0$3.97000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s81,c104; s119,c193;Duration: 1$\S$0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.68±.02 $M_{\theta\theta}$-0.07±.01; $M_{\phi\phi}$-0.60±.01; $M_{r\theta}$0.25±.01; $M_{\theta\phi}$-0.10±.01; $M_{\phi r}$0.41±.01; Best double couple: NP1:ϕ_s22.00000°,δ63.00000°,λ100.00000°. NP2:ϕ_s181.00000°,δ28.00000°,λ71.00000°. Principal axes: T 0.8510,Plg70.0000°,Azm313.0000°; N -0.0850,Plg9.0000°,Azm197.0000°; P -0.7650,Plg18.0000°,Azm105.0000° $M_0$0.80800×10^{17}
BGR Event type ke.
NEIC Event type se. Moment Tensor Solution.Duration: 1$\S$8 Moment tensor: Scale 10^{16}Nm; M_{rr}4.35 $M_{\theta\theta}$-0.04 $M_{\phi\phi}$-4.31 $M_{r\theta}$0.95 $M_{\theta\phi}$-0.83 $M_{\phi r}$2.31 NP1:ϕ_s16.48000°,δ59.75000°,λ96.07000°. NP2:ϕ_s184.55000°,δ30.80000°,λ79.72000°. Principal axes: T 5.0355,Plg74.0000°,Azm303.0000°; N 0.0678,Plg5.0000°,Azm193.0000°; P -5.1033,Plg15.0000°,Azm102.0000° $M_0$5.07000×10^{16}

(235) Kyushu

ISC	**I**	**26 14 34 33.2–.90**	**32.48N–.03**	**130.65E–.06**	**15–7**	**3.3b**	**18**	**0-69**
IDC	I	26 14 34 29.8–1.2	32.36N	130.62E	0	3.5,3.5b		**¶610135401**
JMA	I	26 14 34 33.1–.05	32.5N–.20	130.6E–.20	9–0	3.9,3.5b		
NIED	I	26 14 34 33.1	32.49N	130.63E	9	3.7W,3.5b		

ISC Event type ke.
IDC Error ellipse: s-maj=27.4km s-min=10.4km az=102.0.
JMA Event type fe. SOUTHERN KUMAMOTO PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-0.22 $M_{\theta\theta}$2.94 $M_{\phi\phi}$-2.72 $M_{r\theta}$-0.70 $M_{\theta\phi}$2.39 $M_{\phi r}$1.03 NP1:ϕ_s114.00000°,δ81.00000°,λ-16.00000°. NP2:ϕ_s206.00000°,δ74.00000°,λ-170.00000°. $M_0$3.91000×10^{14}

(224) Hokkaido region

ISC	**I**	**27 01 33 00.5–1.6**	**43.38N–.06**	**145.81E–.06**	**66–9**		**27**	**0-2**
SKHL	I	27 01 33 00.8–.10	43.30N	145.90E	60–3	4.7b		**¶614117909**
JMA	I	27 01 33 00.4–.17	43.4N–.50	145.8E–.80	68–1	3.6		

ISC Event type ke.
JMA Event type fe. NEMURO REGION .

(251) Samar

ISC	**I**	**27 10 13 47.3–.67**	**12.07N–.06**	**125.34E–.07**	**36**	**3.8b**	**27**	**2-88**
MAN	I	27 10 13 52.3	11.89N	125.41E	34	4.6b,3.4L		**¶610235472**
IDC	I	27 10 13 53.3–7.2	11.70N	125.10E	97–66	3.8,3.5b		

ISC Event type fe.
MAN Event type fe. INTENSITY II - MAYDOLONG EASTERN SAMAR; BORONGAN EASTERN SAMAR.
IDC Error ellipse: s-maj=40.3km s-min=14.7km az=67.0.

(228) Near east coast of eastern Honshu

ISC	**I**	**27 19 05 49.4–1.2**	**38.35N–.05**	**141.98E–.09**	**56–9**	**3.6b**	**38**	**0-62**
IDC	I	27 19 05 48.5–2.8	38.40N	142.31E	56–28	3.6,3.2L		**¶610235493**
JMA	I	27 19 05 50.8–.09	38.4N–.20	141.8E–.50	58–0	3.7,3.2L		

ISC Event type ke.
JMA Event type fe. E OFF MIYAGI PREF .

(236) Shikoku

ISC	**I**	**27 20 02 03.2–.83**	**33.92N–.05**	**133.74E–.03**	**43–8**	**3.9b**	**35**	**0-74**
IDC	I	27 20 02 02.7–1.5	33.90N	133.78E	44–17	3.7,3.4b		**¶610145139**
JMA	I	27 20 02 03.0–.07	33.9N–.20	133.7E–.20	45–0	4.0,3.9		
NIED	I	27 20 02 03.0	33.92N	133.73E	45	3.9W,3.9		

ISC Event type ke.
IDC Error ellipse: s-maj=19.3km s-min=13.6km az=143.0.
JMA Event type fe. TOKUSHIMA PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}0.85 $M_{\theta\theta}$-6.25 $M_{\phi\phi}$5.40 $M_{r\theta}$-2.84 $M_{\theta\phi}$2.12 $M_{\phi r}$-2.66 NP1:ϕ_s237.00000°,δ84.00000°,λ32.00000°. NP2:ϕ_s143.00000°,δ58.00000°,λ173.00000°. $M_0$7.35000×10^{14}

(227) Eastern Honshu

ISC	**I**	**28 13 40 29.3–.23**	**39.80N–.03**	**140.67E–.03**	**154–1**	**4.9b**	**1360**	**0-160**
BGR	I	28 13 40 23.7	39.49N	142.71E	150–2	5.1b		**¶610147532**
BJI	I	28 13 40 26.7–.00	39.74N	140.68E	150	4.9b,4.8b		
MOS	I	28 13 40 27.9–.92	39.81N	140.73E	151	4.9b,4.8b		
JMA	I	28 13 40 29.6–.14	39.8N–.50	140.8E–.70	151–1	5.0,4.9W		
NIED	I	28 13 40 29.6	39.76N	140.77E	151	4.9W,4.9W		
NEIC	I	28 13 40 29.1–1.9	39.78N–.04	140.71E–.09	147–4	4.9,4.9b		
IDC	I	28 13 40 29.3–.38	39.80N	140.65E	149–3	5.0,4.6b		
NEIC	I	28 13 40 31.2	39.77N	140.98E	150	5.0,4.6b		
GCMT	I	28 13 40 31.1–.40	39.82N–.03	140.65E–.03	156–3	4.9W,4.6b		

ISC Event type ke. Moment Tensor Solution. NP1:ϕ_s178.09601°,δ47.45162°,λ-81.00892°. NP2: ϕ_s344.92648°,δ43.30988°,λ-99.66261°. Principal axes: T Plg2.0846°,Azm261.7473°; N Plg6.6113°,Azm351.9890°; P Plg83.0650°,Azm154.3344°
BGR Event type ke.
JMA Event type fe. NORTHERN AKITA PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.03 $M_{\theta\theta}$-0.37 $M_{\phi\phi}$2.39 $M_{r\theta}$0.72 $M_{\theta\phi}$-0.38 $M_{\phi r}$-0.07 NP1:ϕ_s333.00000°,δ51.00000°,λ-117.00000°. NP2:ϕ_s192.00000°,δ46.00000°,λ-61.00000°. $M_0$2.38000×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution.Duration: 1$\S$3 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.07 $M_{\theta\theta}$-0.47 $M_{\phi\phi}$2.54 $M_{r\theta}$0.60 $M_{\theta\phi}$-0.33 $M_{\phi r}$0.17 NP1:ϕ_s191.93000°,δ49.34000°,λ-64.40000°. NP2:ϕ_s335.60000°,δ46.83000°,λ-116.70000°. Principal axes: T 2.5762,Plg1.0000°,Azm264.0000°; N -0.2892,Plg19.0000°,Azm355.0000°; P -2.2870,Plg71.0000°,Azm170.0000° $M_0$2.43000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s21,c23; s102,c136;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.87±.11 $M_{\theta\theta}$0.09±.14; $M_{\phi\phi}$2.78±.12; $M_{r\theta}$1.25±.10; $M_{\theta\phi}$-0.30±.16; $M_{\phi r}$0.07±.12; Best double couple: NP1:ϕ_s335.00000°,δ49.00000°,λ-117.00000°. NP2:ϕ_s193.00000°,δ48.00000°,λ-62.00000°. Principal axes: T 2.8130,Plg1.0000°,Azm83.0000°; N 0.5160,Plg20.0000°,Azm353.0000°; P -3.3320,Plg70.0000°,Azm175.0000° $M_0$3.07300×10^{16}

(228) Near east coast of eastern Honshu

ISC	**I**	**28 17 43 17.2–.95**	**36.76N–.03**	**140.61E–.05**	**15–7**	**3.4b**	**18**	**0-60**
IDC	I	28 17 43 15.0–2.3	36.73N	140.68E	0	3.4,3.4b		**¶610235580**
JMA	I	28 17 43 17.8–.04	36.8N–.10	140.6E–.20	9–0	3.4,3.4b		

ISC Event type ke.
JMA Event type fe. NORTHERN IBARAKI PREF .

(228) Near east coast of eastern Honshu

ISC	**I**	**28 18 27 60.0–.44**	**40.23N–.03**	**142.33E–.04**	**49–3**	**4.4b,3.6s**	**302**	**0-90**
BJI	I	28 18 27 56.7–.00	40.12N	142.54E	45	4.8b,4.4b		**¶610147548**
NIED	I	28 18 27 59.7	40.23N	142.35E	36	4.2W,4.4b		
JMA	I	28 18 27 59.7–.10	40.2N–.20	142.4E–.60	36–0	4.7,4.2		
MOS	I	28 18 27 59.5–.88	40.33N	142.28E	53	4.6b,4.2		
NEIC	I	28 18 28 00.8–1.4	40.23N–.03	142.23E–.07	51–7	4.6b,4.2		
IDC	I	28 18 28 01.6–1.7	40.24N	142.28E	63–14	4.1,3.8b		

ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}1.12 $M_{\theta\theta}$-0.05 $M_{\phi\phi}$-1.06 $M_{r\theta}$1.38 $M_{\theta\phi}$-0.36 $M_{\phi r}$1.37 NP1:ϕ_s41.00000°,δ76.00000°,λ102.00000°. NP2:ϕ_s180.00000°,δ19.00000°,λ51.00000°. $M_0$2.25000×10^{15}
JMA Event type fe. NE OFF IWATE PREF .
MOS Error ellipse: s-maj=8.4km s-min=5.3km az=98.6.
NEIC Event type se. Error ellipse: s-maj=8.9km s-min=2.8km az=63.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=15.5km s-min=10.2km az=112.0.

(228) Near east coast of eastern Honshu

ISC	**I**	**28 20 25 31.7–.98**	**38.27N–.04**	**141.80E–.07**	**48–8**	**3.9b**	**77**	**0-78**
NEIC	I	28 20 25 31.9–2.3	38.27N–.05	141.8E–.10	41–9	4.1b		**¶610235591**
JMA	I	28 20 25 32.9–.09	38.3N–.20	141.6E–.40	54–0	3.9		
IDC	I	28 20 25 32.1–2.2	38.37N	142.03E	62–19	3.8,3.5b		

ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=6.7km az=108.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. KINKAZAN REGION .
IDC Error ellipse: s-maj=23.7km s-min=12.0km az=106.0.

(259) Mindanao

ISC	**I**	**29 05 06 41.4–1.7**	**9.88N–.04**	**126.44E–.06**	**32–12**	**4.2b,2.8s**	**80**	**1-146**
IDC	I	29 05 06 36.6–.65	9.85N	126.29E	0	4.0,4.0b		**¶610235615**
NEIC	I	29 05 06 39.6–1.0	9.9N–.10	125.9E–.20	16–5	4.5b,4.0b		
MAN	I	29 05 06 41.5	9.81N	126.34E	14	4.7b,3.6L		

ISC Event type fe.
IDC Error ellipse: s-maj=35.2km s-min=15.0km az=74.0.
NEIC Event type se. Error ellipse: s-maj=29.5km s-min=13.9km az=76.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN Event type fe. INTENSITY II - DEL CARMEN SURIGAO DEL NORTE.

(259) Mindanao

ISC	**I**	**30 02 43 55.3–.32**	**9.88N–.03**	**126.10E–.04**	**57–2**	**5.1b,3.9s**	**864**	**1-172**
BJI	I	30 02 43 53.1–.00	9.58N	126.06E	73	5.0b,4.9b		**¶611831691**
MOS	I	30 02 43 54.2–.90	10.01N	125.82E	53	5.3b,4.9b		
DJA	I	30 02 43 54.6–.50	10N–3.0	126E–4.0	53–4	5.5,5.4b		
MAN	I	30 02 43 55.0	9.89N	126.16E	29	5.6b,4.9s		
NEIC	I	30 02 43 55.8–1.9	9.94N–.07	126.04E–.09	53–5	5.1b,4.9s		
GCMT	I	30 02 43 56.8–.40	9.87N–.02	126.28E–.03	46–1	5.1W,4.9s		
IDC	I	30 02 43 59.2–1.2	9.86N	125.97E	89–10	5.0,4.6b		

ISC Event type fe.
MOS Error ellipse: s-maj=8.3km s-min=4.3km az=115.9.
MAN Event type fe. INTENSITY V - BURGOS SURIGAO DEL NORTE; INTENSITY IV - SURIGAO CITY; DEL CARMEN DAPA SURIGAO DEL NORTE; INTENSITY III - LORETO DINAGAT ISLAND; SOCORRO SURIGAO DEL NORTE; INTENSITY II - SAN FRANCISCO SOUTHERN LEYTE ; GENERAL LUNA TUBOD SURIGAO DEL NORTE.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=10.0km az=80.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s41,c49; s65,c94;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}4.75±.26 $M_{\theta\theta}$-0.18±.16; $M_{\phi\phi}$-4.57±.15; $M_{r\theta}$0.77±.12; $M_{\theta\phi}$0.25±.11; $M_{\phi r}$1.19±.18; Best double couple: NP1:ϕ_s6.00000°,δ53.00000°,λ101.00000°. NP2:ϕ_s168.00000°,δ39.00000°,λ76.00000°. Principal axes: T 5.0210,Plg79.0000°,Azm320.0000°; N -0.2990,Plg9.0000°,Azm179.0000°; P -4.7250,Plg7.0000°,Azm88.0000° $M_0$4.87300×10^{16}
IDC Error ellipse: s-maj=13.2km s-min=6.8km az=82.0.

(228) Near east coast of eastern Honshu

ISC	**I**	**30 06 49 13.3–1.2**	**38.66N–.04**	**142.00E–.09**	**56–8**	**3.2b**	**32**	**0-62**
IDC	I	30 06 49 08.7–2.1	39.13N	141.81E	0	3.5b,3.4		**¶610235698**
JMA	I	30 06 49 14.0–.08	38.7N–.20	141.9E–.40	58–0	3.9,3.4		

ISC Event type ke.
JMA Event type fe. KINKAZAN REGION .

(257) Negros

MAN	**I**	**31 09 17 22.2**	**9.22N**	**122.56E**	**20**	**4.8b,3.7L**		
								¶615392665

MAN Event type fe. INTENSITY II- BASAY NEGROS ORIENTAL; INTENSITY I - BAYAWAN CITY NEGROS ORIENTAL.

(228) Near east coast of eastern Honshu

ISC	**I**	**31 18 42 59.8–2.3**	**38.32N–.04**	**142.35E–.05**	**9–14**	**4.3b,3.0s**	**130**	**1-82**
MOS	I	31 18 42 58.9–1.1	38.35N	142.36E	14	4.6b,3.0s		**¶610169717**
IDC	I	31 18 42 59.6–.66	38.30N	142.22E	0	3.8,3.8b		
JMA	I	31 18 43 01.8–.17	38.4N–.40	142.3E–.80	28–1	4.5,4.2		
NEIC	I	31 18 43 01.3–2.0	38.28N–.06	142.37E–.09	17–2	4.6b,4.2		
NIED	I	31 18 43 01.8	38.39N	142.28E	28	4.0W,4.2		

ISC Event type ke.
MOS Error ellipse: s-maj=10.8km s-min=6.5km az=84.4.
IDC Error ellipse: s-maj=18.2km s-min=12.3km az=125.0.
JMA Event type fe. E OFF MIYAGI PREF .
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=7.2km az=123.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.41 $M_{\theta\theta}$0.04 $M_{\phi\phi}$0.37 $M_{r\theta}$0.85 $M_{\theta\phi}$-0.72 $M_{\phi r}$-0.15 NP1:ϕ_s286.00000°,δ77.00000°,λ-126.00000°. NP2:ϕ_s179.00000°,δ38.00000°,λ-21.00000°. $M_0$1.19000×10^{15}

(238) Ryukyu Islands

ISC	**II**	**01 18 11 31.5–.45**	**28.11N–.03**	**130.04E–.03**	**32–2**	**4.8b,4.2s**	**458**	**0-115**
IDC	II	01 18 11 26.8–.50	28.18N	129.92E	0	4.1,4.1b		**¶610169735**
JMA	II	01 18 11 28.0–.16	28.0N–.80	130.3E–.80	34–1	4.3,4.3		
NIED	II	01 18 11 28.0	28.00N	130.27E	34	4.7W,4.3		
BJI	II	01 18 11 27.9–.00	27.95N	130.30E	41	4.8b,4.6s		
MOS	II	01 18 11 31.4–1.1	28.30N	129.97E	33	4.8b,4.7s		
NEIC	II	01 18 11 33.0–1.8	28.36N–.05	129.91E–.07	34–2	4.9b,4.7s		
BGR	II	01 18 11 37.4	29.53N	130.94E	33	5.0b,4.7s		

ISC Event type ke.
IDC Error ellipse: s-maj=15.9km s-min=11.4km az=91.0.
JMA Event type fe. NEAR AMAMI-OSHIMA ISLAND.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}0.68 $M_{\theta\theta}$0.26 $M_{\phi\phi}$-0.94 $M_{r\theta}$0.33 $M_{\theta\phi}$-0.79 $M_{\phi r}$0.19 NP1:ϕ_s57.00000°,δ64.00000°,λ134.00000°. NP2:ϕ_s171.00000°,δ50.00000°,λ35.00000°. $M_0$1.14000×10^{16}
MOS Error ellipse: s-maj=8.8km s-min=4.8km az=111.0.
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=7.4km az=99.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC Event type ke. Hypocentre not reviewed by the ISC.

(238) Ryukyu Islands

ISC	**II**	**02 11 05 54.1–.79**	**27.40N–.03**	**128.74E–.04**	**46–6**	**3.8b,3.2s**	**53**	**0-85**
IDC	II	02 11 05 54.9–.79	27.46N	128.40E	45–9	3.8,3.6b		**¶610243763**
NIED	II	02 11 05 55.1	27.45N	128.67E	43	4.0W,3.6b		
JMA	II	02 11 05 55.1–.06	27.4N–.60	128.7E–.90	43–0	4.1,3.9		

ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.37 $M_{\theta\theta}$0.03 $M_{\phi\phi}$-0.39 $M_{r\theta}$0.55 $M_{\theta\phi}$-0.44 $M_{\phi r}$0.78 NP1:ϕ_s36.00000°,δ76.00000°,λ93.00000°. NP2:ϕ_s204.00000°,δ15.00000°,λ78.00000°. $M_0$1.09000×10^{15}
JMA Event type fe. NEAR OKINAWAJIMA ISLAND .

(228) Near east coast of eastern Honshu

ISC	**II**	**02 17 38 32.0–.69**	**35.35N–.04**	**140.43E–.05**	**58–5**	**4.2b**	**71**	**0-75**
IDC	II	02 17 38 31.0–1.9	35.33N	140.51E	49–16	3.8,3.5b		**¶610247211**
JMA	II	02 17 38 31.8–.19	35.4N–.50	140.4E–.90	59–1	3.5,3.5b		
NIED	II	02 17 38 31.8	35.41N	140.41E	59	3.9W,3.5b		
NEIC	II	02 17 38 32.9–.95	35.35N–.05	140.4E–.10	59–7	4.5b,3.5b		

ISC Event type ke.
JMA Event type fe. KUJUKURI COAST BOSO PEN .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}4.57 $M_{\theta\theta}$-0.22 $M_{\phi\phi}$-4.35 $M_{r\theta}$0.97 $M_{\theta\phi}$0.92 $M_{\phi r}$5.53 NP1:ϕ_s4.00000°,δ71.00000°,λ101.00000°. NP2:ϕ_s154.00000°,δ22.00000°,λ62.00000°. $M_0$7.22000×10^{14}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(228) Near east coast of eastern Honshu

ISC	**II**	**03 11 58 33.6–.55**	**36.24N–.04**	**141.02E–.06**	**40–5**	**4.1b**	**87**	**0-147**
JMA	II	03 11 58 33.1–.13	36.2N–.30	140.9E–.80	47–1	3.9		**¶610197709**
NEIC	II	03 11 58 34.0–2.3	36.27N–.06	141.1E–.10	37–8	4.3b		
NIED	II	03 11 58 33.1	36.22N	140.94E	47	4.1W		
IDC	II	03 11 58 36.0–2.0	36.13N	140.90E	64–19	3.8,3.5b		

ISC Event type ke.
JMA Event type fe. E OFF IBARAKI PREF .
NEIC Event type se. Error ellipse: s-maj=12.3km s-min=7.9km az=105.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.77 $M_{\theta\theta}$0.88 $M_{\phi\phi}$-0.10 $M_{r\theta}$0.70 $M_{\theta\phi}$-0.16 $M_{\phi r}$0.96 NP1:ϕ_s237.00000°,δ74.00000°,λ-116.00000°. NP2:ϕ_s118.00000°,δ30.00000°,λ-33.00000°. $M_0$1.40000×10^{15}
IDC Error ellipse: s-maj=18.5km s-min=9.6km az=68.0.

(228) Near east coast of eastern Honshu

ISC	**II**	**03 14 15 32.2–.73**	**37.23N–.03**	**141.44E–.04**	**24–4**	**4.7b,4.1s**	**403**	**0-151**
BJI	II	03 14 15 27.5–.00	37.11N	141.35E	8	4.9b,4.5b		**¶614124404**
IDC	II	03 14 15 28.0–.46	37.17N	141.45E	0	4.6,4.6b		
JMA	II	03 14 15 30.2–.21	37.2N–.40	141E–1.0	27–1	4.9,4.4W		
NIED	II	03 14 15 30.2	37.19N	141.48E	27	4.4W,4.4W		
MOS	II	03 14 15 31.0–.90	37.41N	141.36E	21	5.1b,4.4W		
NEIC	II	03 14 15 34.0–1.2	37.37N–.06	141.31E–.09	25–5	4.8b,4.4W		

ISC Event type ke.

JMA Event type fe. E OFF FUKUSHIMA PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; Mrr-4.28 Mθθ3.27 Mφφ1.01 Mrθ0.78 Mθφ2.57 Mφr-0.68 NP1:φs251.00000°,δ48.00000°,λ-71.00000°. NP2:φs43.00000°,δ45.00000°,λ-111.00000°. M0 4.75000$\times10^{15}$
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(92) Leeward Islands

ISC II 03 19 54 23.0–.24 15.04N–.02 60.55W–.03 56–1 5.7b,5.2s 2117 0-165
BJI II 03 19 54 21.8–.00 15.08N 60.43W 40 5.7s,5.5 **¶610195868**
MOS II 03 19 54 21.1–.88 15.09N 60.58W 48 5.7b,5.2s
TRN II 03 19 54 21.7 15.06N 60.52W 40 6.0,5.2s
IDC II 03 19 54 22.5–2.0 15.06N 60.52W 47–18 5.5,5.3L
NEIC II 03 19 54 22.6–1.7 15.07N–.03 60.53W–.05 44–1 5.8,5.7b
GCMT II 03 19 54 24.5–.10 15.16N–.01 60.35W–.01 50–0 5.8W,5.7b
NEIC II 03 19 54 25 15.09N 60.40W 46 5.8W,5.7b
ISC Event type se. Moment Tensor Solution. NP1:φs150.85417°,δ32.97763°,λ72.88911°. NP2: φs351.00598°,δ58.65308°,λ100.80810°. Principal axes: T Plg73.9519°,Azm289.6687° ; N Plg9.2155°,Azm165.3344°; P Plg13.0223°,Azm73.1839° Moment Tensor Solution. NP1: φs175.60242°,δ45.17540°,λ128.84786°. NP2:φs306.79706°,δ56.46899°,λ57.74370°. Principal axes: T Plg62.7559°,Azm161.2710°; N Plg26.4164°,Azm326.0164°; P Plg6.1925°,Azm59.1062°
MOS Error ellipse: s-maj=5.6km s-min=3.3km az=52.8.
TRN Event type fe. Felt in Martinique MMI V; Dominica V;Guadeloupe e IV; Saint Lucia V, III; St. Vincent V; Barbados III;Montserrat III.
IDC Error ellipse: s-maj=10.9km s-min=10.1km az=95.0.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=5.0km az=273.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; Mrr2.57 Mθθ-0.22 Mφφ-2.35 Mrθ-0.43 Mθφ1.74 Mφr1.45 NP1:φs140.99000°,δ32.41000°,λ75.06000°. NP2:φs338.53000°,δ58.81000°,λ99.30000°. Principal axes: T 2.9674,Plg74.0000°,Azm274.0000°; N 0.7095,Plg8.0000°,Azm154.0000°; P -3.6769,Plg13.0000°,Azm62.0000° M0 3.38000$\times10^{17}$
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s147,c277; s143,c351; Duration: 1s8 Moment tensor: Scale 10^{17}Nm; Mrr4.54±.06 Mθθ-0.42±.04; Mφφ-4.12±.05; Mrθ-1.29±.04; Mθφ1.73±.04; Mφr2.24±.04; Best double couple: NP1:φs334.00000°,δ59.00000°,λ86.00000°. NP2:φs163.00000°,δ31.00000°,λ98.00000°. Principal axes: T 5.2210,Plg75.0000°,Azm222.0000°; N 0.2390,Plg4.0000°,Azm337.0000° ; P -5.4580,Plg14.0000°,Azm67.0000° M0 5.34000$\times10^{17}$
NEIC Event type se. Moment Tensor Solution.Duration: 8s0 Moment tensor: Scale 10^{17}Nm; Mrr4.06 Mθθ-0.33 Mφφ-3.73 Mrθ-1.78 Mθφ1.27 Mφr3.09 NP1:φs169.00000°,δ25.00000°,λ104.00000°. NP2:φs334.00000°,δ66.00000°,λ84.00000°. Principal axes: T 5.4318,Plg69.0000°,Azm231.0000°; N 0.0205,Plg6.0000°,Azm337.0000° ; P -5.4523,Plg20.0000°,Azm69.0000° M0 5.44000$\times10^{17}$

(257) Negros

ISC II 04 19 18 07.1–.96 9.30N–.03 123.19E–.03 8–6 3.7b 32 0-85
IDC II 04 19 18 01.9–1.4 8.96N 123.88E 0 3.7,3.6b **¶610414838**
MAN II 04 19 18 06.5 9.30N 123.17E 6 5.2b,4.3s
ISC Event type fe.
IDC Error ellipse: s-maj=72.7km s-min=22.5km az=49.0.
MAN Event type fe. INTENSITY III - SIBULAN AND VALENCIA NEGROS ORIENTAL; INTENSITY II - DUMAGUETE CITY.

(228) Near east coast of eastern Honshu

ISC II 05 00 16 52.2–1.1 40.14N–.04 142.41E–.07 44–10 4.1b 72 0-77
NIED II 05 00 16 51.2 40.15N 142.44E 35 3.8W **¶610247228**
JMA II 05 00 16 51.2–.12 40.2N–.30 142.4E–.70 35–1 4.1,3.7
IDC II 05 00 16 53.0–2.4 40.17N 142.52E 56–18 3.8,3.6b
NEIC II 05 00 16 53.9–1.7 40.22N–.06 142.36E–.07 57–3 4.2b,3.6b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; Mrr4.04 Mθθ-0.44 Mφφ-3.61 Mrθ1.71 Mθφ-1.16 Mφr4.78 NP1:φs19.00000°,δ71.00000°,λ91.00000°. NP2:φs197.00000°,δ19.00000°,λ88.00000°. M0 6.47000$\times10^{14}$
JMA Event type fe. NE OFF IWATE PREF .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(92) Leeward Islands

ISC II 05 13 28 37.1–1.3 18.32N–.08 63.12W–.04 32–10 47 0-5
NEIC II 05 13 28 38.7–.64 18.24N–.07 63.15W–.04 38–23 3.6L **¶610197713**
TRN II 05 13 28 39.3 18.00N 62.76W 3 4.1
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=2.1km az=206.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TRN Event type fe. Felt in St. Martin, MMI III.

(224) Hokkaido region

ISC II 05 15 17 44.8–.70 41.83N–.03 141.58E–.04 84–6 3.7b 52 0-74
NIED II 05 15 17 45.9 41.86N 141.58E 75 3.7W **¶610247227**
JMA II 05 15 17 45.9–.11 41.9N–.30 141.6E–.50 75–1 3.5
IDC II 05 15 17 46.1–1.4 41.89N 141.67E 98–12 3.7,3.4b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; Mrr-3.13 Mθθ0.72 Mφφ2.40 Mrθ1.96 Mθφ-1.29 Mφr-0.54 NP1:φs311.00000°,δ61.00000°,λ-111.00000°. NP2:φs169.00000°,δ35.00000°,λ-58.00000°. M0 3.70000$\times10^{14}$
JMA Event type fe. S OFF TOMAKOMAI .
IDC Error ellipse: s-maj=17.4km s-min=11.1km az=116.0.

(228) Near east coast of eastern Honshu

ISC II 06 02 27 28.3–.68 38.51N–.05 141.83E–.06 59–4 4.3b,3.6s 214 0-147
MOS II 06 02 27 27.4–.98 38.53N 141.82E 62 4.6b,3.6s **¶610197726**
NEIC II 06 02 27 28.1–1.2 38.50N–.07 141.8E–.10 55–7 4.5b,3.6s
NIED II 06 02 27 28.3 38.53N 141.81E 50 4.2W,3.6s
JMA II 06 02 27 28.3–.11 38.5N–.20 141.8E–.60 50–0 4.4,4.1
IDC II 06 02 27 29.6–1.8 38.57N 141.87E 66–15 4.1,3.8b
ISC Event type ke.
MOS Error ellipse: s-maj=9.5km s-min=5.9km az=110.0.
NEIC Event type se. Error ellipse: s-maj=14.9km s-min=7.1km az=124.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; Mrr1.30 Mθθ-0.22 Mφφ-1.08 Mrθ0.42 Mθφ-0.42 Mφr1.58 NP1:φs16.00000°,δ71.00000°,λ87.00000°. NP2:φs207.00000°,δ19.00000°,λ100.00000°. M0 2.07000$\times10^{15}$
JMA Event type fe. KINKAZAN REGION .
IDC Error ellipse: s-maj=16.5km s-min=9.7km az=121.0.

(228) Near east coast of eastern Honshu

ISC II 06 06 24 48.3–.85 35.83N–.04 140.95E–.05 26–5 4.1b,3.2s 70 0-147
NIED II 06 06 24 47.1 35.79N 141.05E 27 4.0W,3.2s **¶610198149**
JMA II 06 06 24 47.1–.22 35.8N–.60 141E–1.0 27–1 3.9,3.2s
NEIC II 06 06 24 52.1–1.9 36.15N–.06 140.8E–.10 47–9 4.4b,3.2s
IDC II 06 06 24 53.2–2.3 35.54N 140.56E 61–20 3.8,3.4b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; Mrr-0.39 Mθθ0.18 Mφφ0.21 Mrθ1.14 Mθφ-0.48 Mφr0.48 NP1:φs260.00000°,δ84.00000°,λ-111.00000°. NP2:φs155.00000°,δ22.00000°,λ-16.00000°. M0 1.31000$\times10^{15}$
JMA Event type fe. NEAR CHOSHI CITY .
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=7.9km az=108.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=26.1km s-min=8.8km az=66.0.

(235) Kyushu

ISC II 06 08 04 50.5–1.3 30.52N–.05 131.16E–.09 30–7 3.5b,3.3s 29 0-77
IDC II 06 08 04 46.2–.98 30.53N 130.95E 0 3.5,3.5b **¶610247233**
NIED II 06 08 04 51.0 30.57N 131.19E 29 4.0W,3.5b
JMA II 06 08 04 51.0–.10 30.6N–.30 131.2E–.60 29–0 3.6,3.5b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; Mrr5.35 Mθθ-0.26 Mφφ-5.09 Mrθ4.52 Mθφ-1.99 Mφr6.28 NP1:φs33.00000°,δ72.00000°,λ99.00000°. NP2:φs186.00000°,δ19.00000°,λ65.00000°. M0 9.54000$\times10^{14}$
JMA Event type fe. NEAR TANEGASHIMA ISLAND .

(228) Near east coast of eastern Honshu

ISC II 06 21 16 10.9–2.0 37.33N–.04 141.90E–.06 25–13 4.2b,3.1s 100 1-147
NIED II 06 21 16 10.9 37.31N 141.92E 40 4.1W,3.1s **¶610247232**
JMA II 06 21 16 10.9–.21 37.3N–.50 142E–1.0 40–3 4.3,4.1
IDC II 06 21 16 13.2–2.3 37.25N 141.85E 41–23 4.0,3.7b
NEIC II 06 21 16 15.2–1.7 37.57N–.07 141.69E–.08 47–8 4.4b,3.7b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; Mrr1.18 Mθθ-0.83 Mφφ-0.35 Mrθ0.80 Mθφ0.84 Mφr0.55 NP1:φs98.00000°,δ60.00000°,λ54.00000°. NP2:φs334.00000°,δ46.00000°,λ136.00000°. M0 1.64000$\times10^{15}$
JMA Event type fe. E OFF FUKUSHIMA PREF .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(235) Kyushu

ISC II 07 07 21 31.6–.50 31.28N–.04 131.69E–.05 33 4.0b,3.9s 72 0-87
JMA II 07 07 21 29.7–.28 31.3N–.60 132E–1.0 27–1 4.1,4.1 **¶610198726**
NIED II 07 07 21 29.7 31.27N 131.91E 27 4.3W,4.1
NEIC II 07 07 21 30.6–1.6 31.29N–.05 131.69E–.07 22–5 4.5b,4.1
IDC II 07 07 21 35.0–1.5 31.26N 131.45E 64–12 3.8,3.6s
ISC Event type ke.
JMA Event type fe. SE OFF OSUMI PEN .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; Mrr0.66 Mθθ0.89 Mφφ-1.55 Mrθ-0.95 Mθφ-2.86 Mφr-0.96 NP1:φs79.00000°,δ84.00000°,λ-163.00000°. NP2:φs347.00000°,δ73.00000°,λ-6.00000°. M0 3.33000$\times10^{15}$
NEIC Event type se. Error ellipse: s-maj=8.5km s-min=7.1km az=78.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=18.0km s-min=8.7km az=97.0.

(228) Near east coast of eastern Honshu

ISC II 07 08 56 14.1–.84 35.16N–.03 140.13E–.04 32–6 3.6b 29 0-59
IDC II 07 08 56 09.6–2.3 35.12N 140.20E 0 3.4,3.4b **¶610415030**
JMA II 07 08 56 14.0–.19 35.2N–.50 140.2E–.80 34–1 2.9,3.4b
ISC Event type ke.
JMA Event type fe. SOUTHERN BOSO PENINSULA .

(228) Near east coast of eastern Honshu

ISC II 07 11 03 55.8–.84 36.74N–.02 140.59E–.04 10–5 4.4b,3.3s 234 0-148
IDC II 07 11 03 54.7–.49 36.87N 140.58E 0 4.2,4.2b **¶614127691**
NIED II 07 11 03 56.0 36.71N 140.63E 6 4.2W,4.2b
JMA II 07 11 03 56.0–.04 36.7N–.10 140.6E–.20 6–0 4.4,4.2
MOS II 07 11 03 58.8–.91 36.92N 140.50E 36 4.6b,4.2
NEIC II 07 11 03 60.0–2.1 36.76N–.02 140.58E–.08 36–7 4.6b,4.2
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; Mrr-1.43 Mθθ0.21 Mφφ1.22 Mrθ-1.12 Mθφ-0.82 Mφr0.59 NP1:φs131.00000°,δ65.00000°,λ-110.00000°. NP2:φs351.00000°,δ31.00000°,λ-54.00000°. M0 2.01000$\times10^{15}$
JMA Event type fe. NORTHERN IBARAKI PREF .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(224) Hokkaido region

ISC II 07 13 03 18.6–.77 41.54N–.04 142.10E–.03 62–7 4.1b 119 1-147
MOS II 07 13 03 16.9–.86 41.48N 142.09E 62 4.3b **¶610198816**
NEIC II 07 13 03 18.6–1.8 41.49N–.07 142.13E–.07 61–9 4.2b
NIED II 07 13 03 18.6 41.56N 142.06E 65 3.9W
IDC II 07 13 03 18.8–2.2 41.54N 142.05E 63–19 3.7,3.5b
JMA II 07 13 03 18.6–.15 41.6N–.50 142.1E–.60 65–2 3.7,3.5b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; Mrr4.59 Mθθ-0.25 Mφφ-4.33 Mrθ2.23 Mθφ-1.10 Mφr4.34 NP1:φs24.00000°,δ69.00000°,λ97.00000°. NP2:φs185.00000°,δ23.00000°,λ73.00000°. M0 6.71000$\times10^{14}$
JMA Event type fe. E OFF AOMORI PREF .

(236) Shikoku

ISC II 07 18 19 30.0–1.0 33.44N–.05 134.58E–.03 32–7 3.9b,3.3s 126 0-97
MOS II 07 18 19 27.9–1.2 33.43N 134.56E 31 4.3b,3.3s **¶610198938**
JMA II 07 18 19 29.5–.06 33.4N–.20 134.7E–.30 36–0 4.3W,4.2
NIED II 07 18 19 29.5 33.43N 134.65E 36 4.3W,4.2
NEIC II 07 18 19 30.6–2.3 33.50N–.06 134.57E–.04 31–6 4.3b,4.2
IDC II 07 18 19 30.7–2.0 33.40N 134.63E 39–18 3.7,3.7L
ISC Event type ke.
MOS Error ellipse: s-maj=10.9km s-min=7.0km az=102.8.
JMA Event type fe. SE OFF SHIKOKU .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; Mrr0.19 Mθθ-2.66 Mφφ2.47 Mrθ-0.65 Mθφ-0.89 Mφr0.36 NP1:φs305.00000°,δ90.00000°,λ165.00000°. NP2:φs35.00000°,δ75.00000°,λ0.00000°. M0 2.81000$\times10^{15}$
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=5.2km az=174.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=18.3km s-min=14.5km az=143.0.

(238) Ryukyu Islands

ISC II 07 19 01 33.4–.80 27.27N–.04 128.47E–.04 53–6 3.6b 42 0-78
IDC II 07 19 01 33.2–.80 27.22N 128.16E 46–20 3.5,3.3b **¶610415063**
JMA II 07 19 01 34.2–.11 27.3N–.50 128.4E–.80 48–1 3.6,3.3b
ISC Event type ke.
JMA Event type fe. NEAR OKINAWAJIMA ISLAND .

(228) Near east coast of eastern Honshu

ISC II 07 19 44 53.5–1.2 36.19N–.05 140.94E–.08 42–9 3.3b 20 0-65
IDC II 07 19 44 51.0–1.1 35.58N 140.36E 0 3.3,3.3b **¶610247236**
NIED II 07 19 44 53.6 36.17N 140.89E 44 3.6W,3.3b
JMA II 07 19 44 53.6–.14 36.2N–.30 140.9E–.80 44–1 3.5,3.3b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; Mrr3.14 Mθθ-0.34 Mφφ-2.80 Mrθ-1.35 Mθφ0.01 Mφr0.77 NP1:φs340.00000°,δ56.00000°,λ69.00000°. NP2:φs195.00000°,δ40.00000°,λ118.00000°. M0 3.29000$\times10^{14}$
JMA Event type fe. E OFF IBARAKI PREF .

(228) Near east coast of eastern Honshu

ISC II 08 00 06 22.1–1.8 37.22N–.04 141.49E–.05 17–10 4.2b 113 1-147
IDC II 08 00 06 20.9–1.1 37.29N 141.33E 0 4.0,4.0b **¶610243783**
MOS II 08 00 06 21.1–1.1 37.29N 141.43E 22 4.6b,4.0b
JMA II 08 00 06 22.9–.11 37.2N–.20 141.4E–.60 29–0 4.2,4.0
NEIC II 08 00 06 22.9–1.5 37.29N–.05 141.42E–.07 23–5 4.5b,4.0
ISC Event type ke.
JMA Event type fe. E OFF FUKUSHIMA PREF .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(249) Luzon

ISC II 08 00 59 49.3–1.5 14.93N–.04 122.09E–.06 4–11 3.5b 20 1-59
IDC II 08 00 59 48.2–1.1 14.88N 122.27E 0 3.7,3.7b **¶610415079**
MAN II 08 00 59 50.5 14.95N 122.10E 14 4.8b,3.7L
ISC Event type fe.
IDC Error ellipse: s-maj=43.3km s-min=20.2km az=70.0.
MAN Event type fe. INTENSITY II - BURDEOS LOPEZ PANUKULAN PATNANONGAN AND POLILLO QUEZON.

(235) Kyushu

ISC II 08 12 14 57.7–1.3 32.82N–.04 129.29E–.03 1–9 3.6b,3.5s 24 0-90
NIED II 08 12 14 57.7 32.79N 129.28E 9 4.1W,3.5s **¶610205793**
JMA II 08 12 14 57.7–.03 32.8N–.10 129.3E–.10 9–1 4.1,4.0
IDC II 08 12 14 57.9–1.1 32.87N 129.32E 0 3.6,3.6b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; Mrr-0.37 Mθθ1.20 Mφφ-0.83 Mrθ-1.14 Mθφ1.06 Mφr0.20 NP1:φs107.00000°,δ85.00000°,λ-40.00000°. NP2:φs202.00000°,δ50.00000°,λ-173.00000°. M0 1.87000$\times10^{15}$
JMA Event type fe. GOTO ISLANDS REGION .
IDC Error ellipse: s-maj=17.8km s-min=16.1km az=31.0.

(235) Kyushu

JMA II 08 12 28 50.7–.03 32.8N–.10 129.3E–.10 10–1 3.6
NIED II 08 12 28 50.7 32.79N 129.28E 10 3.5W **¶610247242**
JMA Event type fe. GOTO ISLANDS REGION .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; Mrr0.28 Mθθ1.23 Mφφ-1.51 Mrθ0.40 Mθφ1.72 Mφr0.46 NP1:φs18.00000°,δ83.00000°,λ165.00000°. NP2:φs110.00000°,δ75.00000°,λ8.00000°. M0 2.29000$\times10^{14}$

(235) Kyushu

JMA II 08 13 43 58.4–.04 32.8N–.10 129.3E–.10 7–1 3.6
NIED II 08 13 43 58.4 32.79N 129.29E 7 3.5W **¶610247241**
JMA Event type fe. GOTO ISLANDS REGION .

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-0.23 $M_{\theta\theta}$1.47 $M_{\phi\phi}$-1.23 $M_{r\theta}$-0.68 $M_{\theta\phi}$1.74 $M_{\phi r}$-0.15 NP1:ϕ_s290.00000°,δ84.00000°,λ14.00000°. NP2:ϕ_s198.00000°,δ76.00000°,λ174.00000°. $M_0$2.29000×10^{14}

(228) Near east coast of eastern Honshu

ISC II 08 18 31 42.9–1.2 38.46N–.05 141.68E–.08 57–7 26 0-58
IDC II 08 18 31 32.2–2.7 38.71N 142.51E 0 3.4b,3.3 **¶610415136**
JMA II 08 18 31 43.6–.09 38.5N–.20 141.6E–.40 56–0 3.2,3.3
ISC Event type ke.
JMA Event type fe. KINKAZAN REGION .

(228) Near east coast of eastern Honshu

ISC II 08 20 08 51.2–2.1 37.03N–.05 141.21E–.08 16–12 3.6b 35 0-74
IDC II 08 20 08 48.7–.90 37.13N 141.33E 0 3.7,3.7b **¶614129345**
NIED II 08 20 08 52.1 37.01N 141.17E 23 3.6W,3.7b
JMA II 08 20 08 52.1–.09 37.0N–.20 141.2E–.40 23–0 4.0,4.0
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-2.04 $M_{\theta\theta}$0.65 $M_{\phi\phi}$1.39 $M_{r\theta}$-0.38 $M_{\theta\phi}$1.53 $M_{\phi r}$0.73 NP1:ϕ_s198.00000°,δ53.00000°,λ-118.00000°. NP2:ϕ_s59.00000°,δ45.00000°,λ-58.00000°. $M_0$2.49000×10^{14}
JMA Event type fe. E OFF FUKUSHIMA PREF .

(238) Ryukyu Islands

ISC II 09 02 11 25.6–.88 28.12N–.04 129.97E–.06 34–3 4.7b,3.9s 232 0-98
MOS II 09 02 11 20.8–1.2 28.16N 129.92E 10 4.9b,3.9s **¶610205757**
IDC II 09 02 11 26.6–.64 28.18N 129.99E 0 4.3,4.3b
JMA II 09 02 11 22.1–.21 28N–1.0 130E–1.0 34–2 4.3,4.2
NIED II 09 02 11 22.1 28.00N 130.23E 34 4.6W,4.2
NEIC II 09 02 11 24.3–1.5 28.08N–.06 129.99E–.08 23–6 4.9b,4.2
ISC Event type ke.
JMA Event type fe. NEAR AMAMI-OSHIMA ISLAND.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}5.59 $M_{\theta\theta}$1.75 $M_{\phi\phi}$-7.35 $M_{r\theta}$1.34 $M_{\theta\phi}$-4.74 $M_{\phi r}$1.12 NP1:ϕ_s40.00000°,δ54.00000°,λ114.00000°. NP2:ϕ_s183.00000°,δ43.00000°,λ61.00000°. $M_0$7.78000×10^{15}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(228) Near east coast of eastern Honshu

ISC II 09 05 07 14.6–1.4 36.46N–.04 141.17E–.07 29–9 3.9b 64 0-147
JMA II 09 05 07 14.7–.13 36.5N–.30 141.1E–.80 45–1 4.3,4.0 **¶614129679**
NIED II 09 05 07 14.7 36.46N 141.10E 45 3.9W,4.0
NEIC II 09 05 07 15.6–1.7 36.46N–.06 141.2E–.10 41–9 4.2b,4.0
IDC II 09 05 07 17.4–2.7 36.38N 141.11E 58–25 3.9,3.6b
ISC Event type ke.
JMA Event type fe. E OFF IBARAKI PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-0.26 $M_{\theta\theta}$-0.04 $M_{\phi\phi}$0.30 $M_{r\theta}$2.42 $M_{\theta\phi}$-1.03 $M_{\phi r}$6.37 NP1:ϕ_s20.00000°,δ90.00000°,λ82.00000°. NP2:ϕ_s288.00000°,δ8.00000°,λ178.00000°. $M_0$6.88000×10^{14}
NEIC Event type se. Error ellipse: s-maj=15.8km s-min=8.8km az=97.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=21.8km s-min=11.2km az=65.0.

(228) Near east coast of eastern Honshu

ISC II 09 15 00 32.3–1.2 36.71N–.02 140.58E–.04 1–10 3.6b 27 0-60
JMA II 09 15 00 32.0–.04 36.7N–.10 140.6E–.20 6–0 3.3 **¶610415178**
IDC II 09 15 00 32.3–1.1 36.62N 140.59E 0 3.6,3.6b
ISC Event type ke.
JMA Event type fe. NORTHERN IBARAKI PREF .
IDC Error ellipse: s-maj=24.8km s-min=22.0km az=84.0.

(228) Near east coast of eastern Honshu

ISC II 10 03 18 36.3–2.1 36.30N–.08 140.92E–.09 25–14 17 0-56
IDC II 10 03 18 31.5–2.8 36.57N 141.16E 0 3.3s,3.3b **¶610415209**
JMA II 10 03 18 36.8–.13 36.2N–.30 140.8E–.80 47–1 3.4,3.3b
ISC Event type ke.
JMA Event type fe. E OFF IBARAKI PREF .

(249) Luzon

ISC II 10 12 10 26.3–.41 18.70N–.03 120.56E–.05 41 4.3b,3.3s 86 1-116
NEIC II 10 12 10 17.8–2.0 18.05N–.07 121.04E–.10 10–1 4.6b,3.3s **¶610208001**
IDC II 10 12 10 27.7–5.1 18.45N 120.40E 57–47 4.0,3.7b
MAN II 10 12 10 27.5 18.57N 120.58E 12 5.2b,4.3s
ISC Event type fe.
NEIC Event type se. Error ellipse: s-maj=15.4km s-min=11.9km az=93.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=23.5km s-min=13.7km az=74.0.
MAN Event type fe. INTENSITY II - PASUQUIN ILOCOS NORTE; LAOAG CITY ILOCOS NORTE.

(259) Mindanao

ISC II 10 14 03 43.1–.24 9.84N–.02 125.45E–.02 15–1 6.4s,6.0b 1979 0-178
IDC II 10 14 03 40.5–.29 9.96N 125.34E 0 6.2s,5.4 **¶610208008**
BJI II 10 14 03 41.0–.00 9.85N 125.40E 10 6.5s,6.4
MOS II 10 14 03 41.2–1.0 9.94N 125.41E 14 6.3s,6.2b
MAN II 10 14 03 42.0 9.90N 125.39E 9 6.7b,6.7s
NEIC II 10 14 03 43.9–1.9 9.91N–.06 125.45E–.04 15–1 6.5,6.4
DJA II 10 14 03 45.9–.80 10N–2.0 126E–2.0 29–6 7.0,6.6b
GCMT II 10 14 03 46.9–.00 9.85N 125.49E 12 6.5W,6.6b
NEIC II 10 14 03 50 9.80N 125.56E 20 6.5W,6.6b
KLM II 10 14 03 50 9.76N 125.76E 81 6.1b,6.6b
BGR II 10 14 03 51.0 9.88N 125.50E 14 6.6s,5.2b
ISC Event type fe.
IDC Error ellipse: s-maj=12.4km s-min=6.9km az=81.0.
MOS Error ellipse: s-maj=6.2km s-min=3.6km az=113.7.
MAN Event type fe. INTENSITY VII - SURIGAO CITY; INTENSITY VI- MALIMONO & SAN FRANCISO SURIGAO DEL NORTE; PINTUYAN SOUTHERN LEYTE;; INTENSITY V- MAINIT & PLACER SURIGAO DEL NORTE; LIBJO & SAN JOSE DINAGAT ISLAND; MANDAUE CITY SAN RICARDO LIMASAWA & SAN FRANCISCO SOUTHERN LEYTE;; INTENSITY IV- HINUNANGAN & SAN JUAN SOUTHERN LEYTE;ABUYOG LEYTE;MAYORGA LEYTE BUTUAN CITY; CABADBARAN AGUSAN DEL NORTE; INTENSITY III- MAMBAJAO CAMIGUIN;ORMOC CITY; PALO PASTRANA TOLOSA & TACLOBAN LEYTE; CATBALOGAN CITYW.SAMAR ; BISLIG CITY GINGOOG CITY MISAMIS ORIENTAL; DAPA SURIGAO DEL NORTE; ILIGAN CITY; CAGAYAN DE ORO CITY; INTENSITY II- CEBU CITY; TALOCOGON AGUSAN DEL SUR; DUMAGUETE CITY; TAGBILARAN CITY BOHOL; CAPOOCAN LEYTE; EL SALVADOR MISAMIS ORIENTAL; OROQUIETA CITY AND PLARIDEL MISAMIS OCCIDENTAL.
NEIC Event type se. Error ellipse: s-maj=11.0km s-min=5.7km az=29.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}0.17 $M_{\theta\theta}$2.29 $M_{\phi\phi}$-2.46 $M_{r\theta}$-0.28 $M_{\theta\phi}$-3.69 $M_{\phi r}$-0.81 NP1:ϕ_s343.21000°,δ84.41000°,λ-8.52000°. NP2:ϕ_s74.05000°,δ81.52000°,λ-174.34000°. Principal axes: T 4.3125,Plg2.0000°,Azm29.0000°; N 0.3123,Plg80.0000°,Azm130.0000°; P -4.6248,Plg10.0000°,Azm298.0000° $M_0$4.48000×10^{18}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s171,c403; s171,c728; Duration: 4s2 Moment tensor: Scale 10^{18}Nm; M_{rr}0.06±.02 $M_{\theta\theta}$3.95±.02; $M_{\phi\phi}$-4.00±.03; $M_{r\theta}$-1.24±.06; $M_{\theta\phi}$-4.26±.02; $M_{\phi r}$-2.14±.06; Best double couple: NP1:ϕ_s70.00000°,δ78.00000°,λ-163.00000°. NP2:ϕ_s337.00000°,δ74.00000°,λ-12.00000°. Principal axes: T 5.8170,Plg3.0000°,Azm203.0000°; N 0.9280,Plg70.0000°,Azm104.0000°; P -6.7410,Plg20.0000°,Azm294.0000° $M_0$6.27900×10^{18}
NEIC Event type se. Moment Tensor Solution.Duration: 10s0 Moment tensor: Scale 10^{18}Nm; M_{rr}0.23 $M_{\theta\theta}$4.30 $M_{\phi\phi}$-4.54 $M_{r\theta}$1.63 $M_{\theta\phi}$-3.67 $M_{\phi r}$-0.27 NP1:ϕ_s156.00000°,δ77.00000°,λ9.00000°. NP2:ϕ_s64.00000°,δ81.00000°,λ167.00000°. Principal axes: T 6.0781,Plg16.0000°,Azm19.0000°; N -0.2051,Plg74.0000°,Azm210.0000°; P -5.8731,Plg3.0000°,Azm110.0000° $M_0$5.98000×10^{18}
ISC Event type ke. Hypocentre not reviewed by the ISC.

(678) Queen Elizabeth Islands

ISC II 10 15 01 48.5–.23 74.24N–.03 92.77W–.03 10 5.2b,5.1s 988 1-164
DNK II 10 15 01 47.4–4.7 74.90N 93.70W 18 4.7s,3.8L **¶611831777**
NEIC II 10 15 01 49.6–2.4 74.30N–.05 92.3W–.20 16–4 5.3,5.2b
OTT II 10 15 01 49.3–.15 74.29N 92.17W 18 5.4,5.2b
MOS II 10 15 01 49.0–1.1 74.37N 92.38W 18 5.2b,4.9s
IDC II 10 15 01 49.4–2.1 74.40N 92.16W 12–13 5.7L,4.7
BJI II 10 15 01 50.0–.00 74.40N 92.60W 29 5.8b,5.7s
BGR II 10 15 01 51.4 74.35N 92.19W 10 4.3b,5.7s
ISC Event type ke.
DNK Error ellipse: s-maj=35.8km s-min=117.3km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=5.9km az=205.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocentre. manual.
OTT Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. 92km southeast from Resolute, Nu. Felt Felt near Resolute, Nu.
MOS Error ellipse: s-maj=18.4km s-min=4.4km az=85.8.
IDC Error ellipse: s-maj=9.3km s-min=8.1km az=126.0.
ISC Event type ke. Hypocentre not reviewed by the ISC.

(228) Near east coast of eastern Honshu

ISC II 10 16 09 09.6–.63 38.30N–.04 142.06E–.07 36–1 4.0b 61 0-89
JMA II 10 16 09 08.8–.15 38.3N–.40 142.1E–.80 37–1 4.6,4.1 **¶610243790**
IDC II 10 16 09 09.5–.64 38.26N 141.96E 38–5 3.9,3.8L
ISC Event type ke.
JMA Event type fe. E OFF MIYAGI PREF .
IDC Error ellipse: s-maj=16.1km s-min=12.3km az=102.0.

(228) Near east coast of eastern Honshu

ISC II 10 21 05 29.0–.40 37.27N–.03 141.66E–.03 30–2 5.4b,4.9s 1566 1-157
IDC II 10 21 05 24.2–.39 37.20N 141.62E 0 5.1,5.1b **¶614130796**
MOS II 10 21 05 25.9–.83 37.39N 141.56E 15 5.5b,5.2s
JMA II 10 21 05 26.8–.20 37.2N–.50 142E–1.0 41–2 5.4,5.2W
NIED II 10 21 05 26.8 37.18N 141.72E 41 5.2W,5.2W
NEIC II 10 21 05 26.6–1.2 37.28N–.04 141.70E–.06 7–2 5.4b,5.2
BJI II 10 21 05 26.0–.00 37.29N 141.75E 33 5.1b,5.1b
GCMT II 10 21 05 29.5–.20 37.25N–.01 141.74E–.01 22–0 5.2W,5.1b
NEIC II 10 21 05 33 37.34N 141.62E 22 5.2W,5.1b
BGR II 10 21 05 33.6 37.56N 141.37E 33 5.1b,5.0s
ISC Event type ke. Moment Tensor Solution. NP1:ϕ_s59.03161°,δ74.00081°,λ-81.65443°. NP2:ϕ_s211.00816°,δ17.99445°,λ-116.84859°. Principal axes: T Plg28.5304°,Azm142.3232°; N Plg8.0201°,Azm236.7162°; P Plg60.1596°,Azm340.9348°
IDC Error ellipse: s-maj=14.1km s-min=9.7km az=91.0.
MOS Error ellipse: s-maj=5.4km s-min=3.2km az=110.1.
JMA Event type fe. E OFF FUKUSHIMA PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}-4.41 $M_{\theta\theta}$2.04 $M_{\phi\phi}$2.37 $M_{r\theta}$-3.36 $M_{\theta\phi}$2.27 $M_{\phi r}$-2.11 NP1:ϕ_s53.00000°,δ66.00000°,λ-82.00000°. NP2:ϕ_s213.00000°,δ25.00000°,λ-108.00000°. $M_0$5.96000×10^{16}
NEIC Event type se. Error ellipse: s-maj=7.3km s-min=4.8km az=61.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-2.02 $M_{\theta\theta}$0.72 $M_{\phi\phi}$1.30 $M_{r\theta}$-3.59 $M_{\theta\phi}$0.79 $M_{\phi r}$-2.26 NP1:ϕ_s203.57000°,δ13.70000°,λ-120.93000°. NP2:ϕ_s55.24000°,δ78.28000°,λ-82.86000°. Principal axes: T 4.4634,Plg33.0000°,Azm139.0000°; N 0.3807,Plg7.0000°,Azm234.0000°; P -4.8440,Plg56.0000°,Azm334.0000° $M_0$4.67000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s96,c149; s140,c241;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.88±.02 $M_{\theta\theta}$0.38±.01; $M_{\phi\phi}$0.49±.01; $M_{r\theta}$-0.44±.02; $M_{\theta\phi}$0.27±.01; $M_{\phi r}$-0.18±.02; Best double couple: NP1:ϕ_s52.00000°,δ60.00000°,λ-80.00000°. NP2:ϕ_s211.00000°,δ32.00000°,λ-107.00000°. Principal axes: T 0.8250,Plg14.0000°,Azm134.0000°; N 0.2010,Plg9.0000°,Azm226.0000°; P -1.0270,Plg73.0000°,Azm348.0000° $M_0$0.92600×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 8s0 Moment tensor: Scale 10^{16}Nm; M_{rr}-6.28 $M_{\theta\theta}$2.41 $M_{\phi\phi}$3.87 $M_{r\theta}$-5.58 $M_{\theta\phi}$2.01 $M_{\phi r}$-4.23 NP1:ϕ_s208.00000°,δ21.00000°,λ-108.00000°. NP2:ϕ_s48.00000°,δ70.00000°,λ-83.00000°. Principal axes: T 8.4279,Plg25.0000°,Azm133.0000°; N 1.2524,Plg6.0000°,Azm226.0000°; P -9.6802,Plg64.0000°,Azm329.0000° $M_0$9.12000×10^{16}
ISC Event type ke. Hypocentre not reviewed by the ISC.

(228) Near east coast of eastern Honshu

ISC II 10 21 39 00.3–1.3 37.11N–.03 141.31E–.05 23–8 4.3b 166 0-151
IDC II 10 21 38 56.7–.58 37.10N 141.30E 0 4.1,4.1b **¶614130833**
MOS II 10 21 38 57.0–.87 37.13N 141.32E 14 4.5b,4.1b
JMA II 10 21 38 58.9–.14 37.1N–.30 141.4E–.80 32–0 4.5,4.4
NIED II 10 21 38 58.9 37.10N 141.35E 32 4.2W,4.4
NEIC II 10 21 38 59.3–1.9 37.15N–.04 141.36E–.06 10–1 4.4b,4.1
ISC Event type ke.
JMA Event type fe. E OFF FUKUSHIMA PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-1.69 $M_{\theta\theta}$0.01 $M_{\phi\phi}$1.68 $M_{r\theta}$-0.36 $M_{\theta\phi}$0.75 $M_{\phi r}$0.84 NP1:ϕ_s182.00000°,δ58.00000°,λ-112.00000°. NP2:ϕ_s40.00000°,δ38.00000°,λ-59.00000°. $M_0$2.06000×10^{15}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-1.36 $M_{\theta\theta}$-0.01 $M_{\phi\phi}$1.37 $M_{r\theta}$-0.42 $M_{\theta\phi}$0.43 $M_{\phi r}$0.44 NP1:ϕ_s176.93000°,δ54.43000°,λ-114.32000°. NP2:ϕ_s34.79000°,δ42.16000°,λ-60.06000°. Principal axes: T 1.5328,Plg6.0000°,Azm284.0000°; N 0.0481,Plg20.0000°,Azm192.0000°; P -1.5809,Plg69.0000°,Azm31.0000° $M_0$1.56000×10^{15}

(228) Near east coast of eastern Honshu

ISC II 11 00 06 07.7–2.0 37.13N–.05 141.55E–.07 11–11 3.5b 23 1-147
IDC II 11 00 06 06.5–1.2 37.15N 141.53E 0 3.5,3.4b **¶610415268**
JMA II 11 00 06 09.5–.19 37.2N–.40 141.5E–1.0 29–1 3.7,3.4b
ISC Event type ke.
JMA Event type fe. E OFF FUKUSHIMA PREF .

(235) Kyushu

ISC II 11 01 02 07.1–.68 32.02N–.04 131.13E–.05 103–5 4.0b 59 0-87
NEIC II 11 01 02 07.6–1.4 32.01N–.07 131.11E–.09 106–7 4.1b **¶610243792**
NIED II 11 01 02 08.0 32.04N 131.09E 97 3.9W
IDC II 11 01 02 07.8–1.1 32.09N 131.11E 106–7 4.0,3.6b
JMA II 11 01 02 08.0–.10 32.0N–.30 131.1E–.40 97–0 3.6,3.6b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}3.28 $M_{\theta\theta}$-2.49 $M_{\phi\phi}$-0.79 $M_{r\theta}$4.17 $M_{\theta\phi}$-1.24 $M_{\phi r}$5.92 NP1:ϕ_s38.00000°,δ79.00000°,λ81.00000°. NP2:ϕ_s256.00000°,δ14.00000°,λ127.00000°. $M_0$7.90000×10^{14}
JMA Event type fe. SOUTHERN MIYAZAKI PREF .

(228) Near east coast of eastern Honshu

ISC II 11 07 33 38.3–1.6 36.63N–.04 141.01E–.09 25–9 3.8b 32 0-147
JMA II 11 07 33 37.7–.10 36.6N–.20 141.1E–.50 30–1 3.5 **¶610415296**
IDC II 11 07 33 47.4–3.0 36.45N 140.35E 93–24 3.8,3.5b
ISC Event type ke.
JMA Event type fe. E OFF IBARAKI PREF .
IDC Error ellipse: s-maj=32.3km s-min=19.2km az=78.0.

(259) Mindanao

ISC II 11 09 04 33.7–.98 7.38N–.04 124.15E–.03 19–4 4.2b 50 0-87
IDC II 11 09 04 31.1–.87 7.35N 124.07E 0 4.0,4.0b **¶610415303**
MAN II 11 09 04 33.6 7.38N 124.22E 22 5.0b,3.9L
NEIC II 11 09 04 37.5–.64 7.10N–.08 124.3E–.10 53–11 4.4b,3.9L
ISC Event type fe.
MAN Event type fe. INTENSITY III - BALABAGAN LANAO DEL SUR; INTENSITY II - COTABATO CITY.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(259) Mindanao

ISC II 11 09 11 02.1–.51 9.79N–.03 125.51E–.04 26–3 4.7b,4.2s 206 0-165
MAN II 11 09 10 59.4 9.73N 125.37E 1 5.6b,4.9s **¶615934816**
NEIC II 11 09 11 00.1–1.9 9.85N–.04 125.46E–.08 10–1 4.9b,4.9s
BJI II 11 09 11 01.3–.00 9.70N 125.70E 38 5.0b,4.6s
DJA II 11 09 11 03.1–1.1 10N–4.0 126E–3.0 31–8 5.6,5.5b
GCMT II 11 09 11 04.1–.20 9.85N–.01 125.57E–.02 24–1 5.1W,5.5b
IDC II 11 09 11 07.3–2.1 9.83N 125.45E 71–19 4.4,4.1b
ISC Event type fe.
MAN Event type fe. INTENSITY V - SURIGAO CITY; INTENSITY III - SAN RICARDO SOUTHERN LEYTE; INTENSITY II - GINGOOG CITY.
NEIC Event type se. Error ellipse: s-maj=13.6km s-min=6.4km az=108.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s47,c59; s107,c146;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.59±.19 $M_{\theta\theta}$4.63±.15; $M_{\phi\phi}$-5.22±.19; $M_{r\theta}$-0.24±.20; $M_{\theta\phi}$-1.68±.12; $M_{\phi r}$-0.17±.24; Best double couple: NP1:ϕ_s234.00000°,δ89.00000°,λ177.00000°. NP2:ϕ_s324.00000°,δ87.00000°,λ1.00000°. Principal axes: T 4.9180,Plg3.0000°,Azm189.0000°; N 0.5880,Plg87.0000°,Azm45.0000°; P -5.5060,Plg2.0000°,Azm279.0000° $M_0$5.21200×10^{16}
IDC Error ellipse: s-maj=15.8km s-min=8.9km az=76.0.

(259) Mindanao
ISC II 11 09 15 24.8–.52 6.86N–.05 125.46E–.04 21–2 4.5b 53 0-97
MAN II 11 09 15 24.8 6.84N 125.46E 19 5.3b,4.5s ¶610415304
IDC II 11 09 15 24.9–.96 6.89N 125.57E 25–5 4.1,4.0s
NEIC II 11 09 15 25.0–1.0 6.91N–.05 125.4E–.10 16–5 4.6b,4.0s
ISC Event type fe.
MAN Event type fe. INTENSITY II - GENERAL SANTOS CITY.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(259) Mindanao
ISC II 11 09 32 51.5–.79 6.85N–.06 125.47E–.05 10 3.9b 26 0-97
IDC II 11 09 32 50.3–.91 7.19N 126.10E 0 3.9,3.9b ¶610415305
MAN II 11 09 32 54.2 6.85N 125.51E 23 5.3b,4.5s
ISC Event type fe.
IDC Error ellipse: s-maj=19.9km s-min=9.1km az=165.0.
MAN Event type fe. INTENSITY III - DAVAO CITY.
(259) Mindanao
ISC II 11 10 54 38.4–1.6 5.8N–.10 124.49E–.06 56–18 3.3b 20 1-55
IDC II 11 10 54 31.2–1.4 5.64N 124.13E 0 4.0L,3.5 ¶610415313
MAN II 11 10 54 39.1 5.95N 124.44E 51 4.0b,2.8L
ISC Event type fe.
IDC Error ellipse: s-maj=43.1km s-min=24.4km az=82.0.
MAN Event type fe. INTENSITY I - GENERAL SANTOS CITY.
(228) Near east coast of eastern Honshu
ISC II 11 12 03 23.9–1.6 37.19N–.04 141.40E–.06 12–9 3.7b 50 0-147
IDC II 11 12 03 22.4–.70 37.24N 141.26E 0 3.7,3.7b ¶610247243
NIED II 11 12 03 25.2 37.22N 141.30E 24 3.7W,3.7b
JMA II 11 12 03 25.2–.16 37.2N–.30 141.3E–.80 24–1 3.8,3.7b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-3.81 $M_{\theta\theta}$2.50 $M_{\phi\phi}$1.31 $M_{r\theta}$0.08 $M_{\theta\phi}$1.85 $M_{\phi r}$0.27 NP1:ϕ_s231.00000°,δ47.00000°,λ-93.00000°. NP2:ϕ_s56.00000°,δ43.00000°,λ-86.00000°. $M_0$3.84000×10^{14}
JMA Event type fe. E OFF FUKUSHIMA PREF .
(259) Mindanao
ISC II 12 02 35 29.5–.87 9.79N–.04 125.40E–.05 13–5 3.5b 30 0-95
IDC II 12 02 35 27.3–.99 9.80N 125.51E 0 3.7b,3.6 ¶610415348
MAN II 12 02 35 29.1 9.72N 125.37E 4 4.7b,3.6L
ISC Event type fe.
IDC Error ellipse: s-maj=53.0km s-min=20.5km az=80.0.
MAN Event type fe. INTENSITY III - SURIGAO CITY.
(228) Near east coast of eastern Honshu
ISC II 12 13 36 54.5–.28 40.20N–.03 142.27E–.03 48–2 5.0b,4.1s 998 0-155
NIED II 12 13 36 54.0 40.16N 142.37E 36 4.7W,4.1s ¶611831795
IDC II 12 13 36 53.9–1.9 40.17N 142.32E 40–16 4.8,4.5b
JMA II 12 13 36 54.0–.13 40.2N–.30 142.4E–.70 36–1 4.8,4.7W
MOS II 12 13 36 53.5–.88 40.27N 142.27E 48 5.1b,4.7W
BJI II 12 13 36 54.0–.00 40.20N 142.33E 70 5.0b,4.9b
NEIC II 12 13 36 55.0–1.5 40.22N–.05 142.31E–.07 44–5 5.0b,4.9b
ISC Event type ke. Moment Tensor Solution. NP1:ϕ_s206.74352°,δ88.02379°,λ-116.73631°. NP2:ϕ_s112.82734°,δ26.80388°,λ-4.38586°. Principal axes: T Plg37.3547°,Azm320.3342° ; N Plg26.7191°,Azm207.7387°; P Plg40.9588°,Azm91.8303°
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}0.68 $M_{\theta\theta}$-0.05 $M_{\phi\phi}$-0.63 $M_{r\theta}$0.54 $M_{\theta\phi}$-0.09 $M_{\phi r}$0.87 NP1:ϕ_s28.00000°,δ74.00000°,λ99.00000°. NP2:ϕ_s176.00000°,δ18.00000°,λ60.00000°. $M_0$1.22000×10^{16}
JMA Event type fe. NE OFF IWATE PREF .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(221) Kuril Islands
ISC II 12 19 40 22.9–2.7 43.82N–.07 147.22E–.07 18–19 47 1-50
MOS II 12 19 40 25.1–1.0 43.94N 147.15E 46 3.9b ¶611603269
JMA II 12 19 40 25.9–.22 43.8N–.70 147E–1.0 39–4 3.6
SKHL II 12 19 40 26.4–.30 43.90N 147.10E 45–4 4.8b
ISC Event type ke.
MOS Event type fe. Error ellipse: s-maj=18.6km s-min=16.0km az=88.6. Felt (II-III) at Malokuril'skoye. Moment Tensor Solution.
JMA Event type ke. E OFF HOKKAIDO .
(259) Mindanao
ISC II 12 19 51 30.0–.39 9.79N–.02 125.42E–.03 21–3 4.2b,3.5s 90 1-146
NEIC II 12 19 51 27.0–1.9 10.0N–.10 125.9E–.20 10–2 4.3b,3.5s ¶610415396
IDC II 12 19 51 26.9–.50 9.84N 125.55E 0 4.1,4.1b
MAN II 12 19 51 29.1 9.74N 125.33E 1 5.1b,4.1L
ISC Event type fe.
NEIC Event type se. Error ellipse: s-maj=27.2km s-min=17.7km az=78.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=21.2km s-min=11.3km az=77.0.
MAN Event type fe. INTENSITY III - SURIGAO CITY; INTENSITY I- SAN FRANCISCO & SAN RICARDO SOUTHERN LEYTE; GINGOOG CITY MISAMIS ORIENTAL.
(259) Mindanao
ISC II 13 11 14 39.0–3.1 9.75N–.04 125.50E–.05 14–19 4.3b,3.5s 80 2-146
IDC II 13 11 14 36.5–.60 9.71N 125.30E 0 4.2L,4.1 ¶610415448
MAN II 13 11 14 38.6 9.78N 125.52E 21 5.0b,3.9L
NEIC II 13 11 14 45.5–1.4 9.69N–.09 125.4E–.10 59–9 4.6b,3.9L
ISC Event type fe.
MAN Event type fe. INTENSITY IV - SURIGAO CITY; INTENSITY I - SAN FRANCISCO & SAN RICARDO SOUTHERN LEYTE; GINGOOG CITY MISAMIS ORIENTAL.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(259) Mindanao
ISC II 13 19 14 43.9–.80 9.71N–.03 125.53E–.04 14–5 4.4b,3.4s 117 0-146
MAN II 13 19 14 43.6 9.77N 125.49E 17 4.9b,3.8L ¶610415466
BJI II 13 19 14 43.9–.00 9.83N 125.45E 16 4.9b,4.4b
NEIC II 13 19 14 45.2–1.9 9.72N–.04 125.65E–.07 24–6 4.7b,4.4b
IDC II 13 19 14 49.3–2.2 9.76N 125.49E 58–22 4.2L,4.1
DJA II 13 19 14 50.3–1.2 10N–7.0 126E–6.0 50–12 5.5b,5.0
ISC Event type fe.
MAN Event type fe. INTENSITY II - SURIGAO CITY.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(224) Hokkaido region
ISC II 13 19 18 56.9–.44 41.97N–.04 142.33E–.03 71–3 4.5b 297 0-147
BJI II 13 19 18 54.0–.00 41.93N 142.39E 73 4.8b,4.5b ¶610208908
MOS II 13 19 18 55.7–.98 41.97N 142.37E 74 4.7b,4.5b
NIED II 13 19 18 55.9 41.95N 142.34E 69 4.2W,4.5b
JMA II 13 19 18 55.9–.22 42.0N–.90 142.3E–.90 69–2 4.1,4.0
NEIC II 13 19 18 56.4–1.4 41.95N–.06 142.35E–.09 65–7 4.6b,4.0
IDC II 13 19 18 57.6–.57 42.05N 142.26E 74–4 4.1,3.8b
ISC Event type ke. Moment Tensor Solution. NP1:ϕ_s187.90941°,δ83.76820°,λ-108.76485°. NP2:ϕ_s80.19026°,δ19.73715°,λ-18.74984°. Principal axes: T Plg36.0725°,Azm294.2545° ; N Plg18.6499°,Azm190.0215°; P Plg47.9296°,Azm78.0643°
MOS Error ellipse: s-maj=7.4km s-min=5.2km az=96.6.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}1.64 $M_{\theta\theta}$-0.32 $M_{\phi\phi}$-1.31 $M_{r\theta}$0.55 $M_{\theta\phi}$-0.28 $M_{\phi r}$1.74 NP1:ϕ_s17.00000°,δ70.00000°,λ91.00000°. NP2:ϕ_s193.00000°,δ20.00000°,λ87.00000°. $M_0$2.37000×10^{15}
JMA Event type fe. S OFF URAKAWA .
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=7.1km az=130.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=12.0km s-min=6.9km az=108.0.
(259) Mindanao
ISC II 13 20 04 00.8–.55 9.77N–.03 125.39E–.04 29–3 4.8b,4.0s 497 0-147
MOS II 13 20 03 56.6–.94 9.81N 125.46E 14 4.9b,4.0s ¶610208909
NEIC II 13 20 03 58.4–1.9 9.84N–.06 125.46E–.08 10–1 5.0b,4.0s
MAN II 13 20 03 59.7 9.69N 125.38E 23 5.6b,5.0s
BJI II 13 20 04 00.1–.00 9.75N 125.60E 47 4.9b,4.6b
GCMT II 13 20 04 01.4–.30 9.83N–.02 125.57E–.02 24–1 4.9W,4.6b
DJA II 13 20 04 01.2–1.1 10N–4.0 126E–3.0 30–9 5.5,5.4b
IDC II 13 20 04 04.9–1.7 9.82N 125.48E 67–17 4.6,4.4b
ISC Event type fe.
MOS Error ellipse: s-maj=9.5km s-min=5.1km az=102.1.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=9.4km az=61.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN Event type fe. INTENSITY V - SURIGAO CITY; INTENSITY IV - MALIMONO SURIGAO DEL NORTE; SAN JOSE & DINAGAT DINAGAT ISLAND; INTENSITY III - BUTUAN CITY; INTENSITY II - SAN RICARDO & SAN FRANCISCO SOUTHERN LEYTE; GINGOOG CITY.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s17,c18; s76,c106;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.52±.15 $M_{\theta\theta}$1.78±.09; $M_{\phi\phi}$-2.30±.14; $M_{r\theta}$-0.06±.14; $M_{\theta\phi}$-1.62±.08; $M_{\phi r}$-0.36±.15; Best double couple: NP1:ϕ_s334.00000°,δ87.00000°,λ-6.00000°. NP2:ϕ_s64.00000°,δ84.00000°,λ-177.00000°. Principal axes: T 2.3470,Plg2.0000° ,Azm19.0000°; N 0.5590,Plg84.0000°,Azm127.0000°; P -2.9040,Plg6.0000°,Azm289.0000° $M_0$2.62500×10^{16}
IDC Error ellipse: s-maj=16.1km s-min=8.8km az=76.0.
(259) Mindanao
MAN II 14 03 55 29.2 9.91N 125.47E 29 4.2b,3.0L ¶615934884
MAN Event type fe. INTENSITY I - SURIGAO CITY.
(228) Near east coast of eastern Honshu
ISC II 14 06 50 33.6–1.7 37.38N–.04 141.59E–.06 10–10 4.0b,3.1s 57 1-146
JMA II 14 06 50 33.5–.17 37.4N–.30 141.6E–.80 25–1 4.4,4.3 ¶610208954
NIED II 14 06 50 33.5 37.40N 141.62E 25 3.9W,4.3
IDC II 14 06 50 36.6–5.0 37.37N 141.51E 30–36 3.9,3.8b
ISC Event type ke.
JMA Event type fe. E OFF FUKUSHIMA PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-7.65 $M_{\theta\theta}$3.67 $M_{\phi\phi}$3.98 $M_{r\theta}$2.03 $M_{\theta\phi}$4.64 $M_{\phi r}$-1.30 NP1:ϕ_s241.00000°,δ49.00000°,λ-67.00000°. NP2:ϕ_s27.00000°,δ46.00000°,λ-114.00000°. $M_0$8.44000×10^{14}
IDC Error ellipse: s-maj=19.0km s-min=13.8km az=104.0.
(259) Mindanao
ISC II 15 00 35 37.0–.93 9.75N–.04 125.39E–.03 8–6 3.8b,3.4s 38 0-95
IDC II 15 00 35 36.0–1.0 9.65N 125.18E 0 3.8,3.8b ¶610415536
MAN II 15 00 35 36.6 9.86N 125.52E 26 5.1b,4.0L
ISC Event type fe.
IDC Error ellipse: s-maj=62.6km s-min=23.3km az=68.0.
MAN Event type fe. INTENSITY IV - SURIGAO CITY; INTENSITY I - SAN FRANCISCO SOUTHERN LEYTE.
(259) Mindanao
MAN II 15 08 47 45.9 9.77N 125.38E 6 5.0b,4.0s ¶615934897
MAN Event type fe. INTENSITY IV - SURIGAO CITY; SAN FRANCISCO SURIGAO DEL NORTE; INTENSITY I - SAN RICARDO SOUTHERN LEYTE.
(212) Bonin Islands region
ISC II 16 03 34 21.0–.71 26.31N–.07 142.0E–.10 40 3.7b 26 0-150
IDC II 16 03 34 21.9–1.4 26.43N 141.86E 47–12 3.8,3.6b ¶610243806
JMA II 16 03 34 22.4–.05 26.5N–.60 142E–4.0 42–4 4.1,4.1
ISC Event type ke.
JMA Event type fe. NEAR CHICHIJIMA ISLAND .
(259) Mindanao
ISC II 16 04 10 45.1–1.1 9.71N–.03 125.37E–.03 8–9 3.6b 37 1-86
IDC II 16 04 10 42.6–1.9 10.06N 126.02E 0 3.7,3.7b ¶610415608
MAN II 16 04 10 46.1 9.70N 125.33E 7 4.9b,3.9L
ISC Event type fe.
IDC Error ellipse: s-maj=204.9km s-min=22.7km az=67.0.
MAN Event type fe. INTENSITY IV - SURIGAO CITY; SISON AND MALIMONO SURIGAO DEL NORTE; INTENSITY III- MAINIT SURIGAO DEL NORTE; INTENSITY II - TUBOD AND ALEGRIA SURIGAO DEL NORTE; INTENSITY I - SAN RICARDO SOUTHERN LEYTE.
(248) Philippine Islands region
ISC II 16 05 29 30.2–.90 10.02N–.03 126.28E–.05 40–8 4.2b,3.3s 75 0-146
NEIC II 16 05 29 25.5–.61 10.01N–.09 126.0E–.10 10–2 4.3b,3.3s ¶610415612
MAN II 16 05 29 33.0 10.03N 126.08E 14 5.2b,4.2s
IDC II 16 05 29 34.7–2.3 9.98N 125.97E 70–21 4.1,3.8b
ISC Event type fe.
NEIC Event type se. Error ellipse: s-maj=19.3km s-min=13.2km az=118.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN Event type fe. INTENSITY IV - BURGOS SURIGAO DEL NORTE; INTENSITY III - SISON SURIGAO DEL NORTE; INTENSITY II- DAPA SURIGAO DEL NORTE.
IDC Error ellipse: s-maj=28.7km s-min=12.1km az=74.0.
(224) Hokkaido region
ISC II 16 05 32 42.8–1.1 44.01N–.05 145.07E–.04 20–5 22 0-2
JMA II 16 05 32 45.0–.08 44.0N–.30 145.0E–.40 6–1 2.9 ¶614135318
SKHL II 16 05 32 45.0–.30 43.90N 145.30E 72–2 4.0b
ISC Event type ke.
JMA Event type fe. SHIRETOKO PENINSULA REG .
(259) Mindanao
ISC II 16 06 27 07.2–.91 6.87N–.04 125.48E–.03 22–7 4.4b 62 0-97
DJA II 16 06 27 04.4–2.6 7N–20 126E–15 35–6 5.1b,4.8b ¶610239484
IDC II 16 06 27 04.4–.91 6.91N 125.95E 0 3.7,3.7b
MAN II 16 06 27 07.6 6.93N 125.41E 11 5.1b,4.1s
NEIC II 16 06 27 07.0–2.0 7.0N–.10 125.4E–.20 25–7 4.5b,4.1s
ISC Event type fe.
MAN Event type fe. INTENSITY IV -DIGOS CITY DAVAO DEL SUR; DAVAO CITY; INTENSITY III - MALITA DAVAO OCCIDENTAL; INTENSITY I - KIDAPAWAN CITY.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(228) Near east coast of eastern Honshu
ISC II 16 21 20 52.4–.00 38.70N–.04 141.58E–.07 73–6 3.7b 34 0-59
IDC II 16 21 20 47.0–3.4 38.93N 142.29E 48–26 3.7,3.4b ¶610415648
JMA II 16 21 20 52.9–.07 38.7N–.20 141.5E–.30 69–0 3.5,3.4b
ISC Event type ke.
JMA Event type fe. NORTHERN MIYAGI PREF .
(246) Southwestern Ryukyu Islands
ISC II 17 01 18 05.6–.60 24.87N–.07 125.34E–.05 46–4 4.5b,3.5s 152 0-113
IDC II 17 01 17 59.0–.73 24.90N 125.42E 0 4.2,4.2b ¶610223764
BJI II 17 01 18 02.9–.00 24.94N 125.20E 23 4.5b,4.2b
NEIC II 17 01 18 05.0–1.4 25.12N–.10 125.13E–.08 19–5 4.7b,4.2b
NIED II 17 01 18 05.4 24.82N 125.38E 50 4.5W,4.2b
JMA II 17 01 18 05.4–.11 24.8N–.50 125.4E–.50 50–0 4.4,4.4
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}4.55 $M_{\theta\theta}$-3.95 $M_{\phi\phi}$-0.60 $M_{r\theta}$0.67 $M_{\theta\phi}$-2.60 $M_{\phi r}$2.17 NP1:ϕ_s43.00000°,δ57.00000°,λ68.00000°. NP2:ϕ_s260.00000°,δ39.00000°,λ120.00000°. $M_0$5.49000×10^{15}
JMA Event type fe. NEAR MIYAKOJIMA ISLAND .
(228) Near east coast of eastern Honshu
ISC II 17 06 59 37.6–1.2 40.90N–.04 142.08E–.07 52–11 3.7b 26 1-66
IDC II 17 06 59 24.4–22 40.21N 142.72E 0 3.8,3.8b ¶610415670
JMA II 17 06 59 37.4–.12 40.9N–.30 142.1E–.90 50–2 3.3,3.8b
ISC Event type ke.
JMA Event type fe. E OFF AOMORI PREF .
(221) Kuril Islands
ISC II 17 13 46 25.7–1.5 43.08N–.06 146.48E–.05 33–7 3.7b 61 1-72
IDC II 17 13 46 20.9–.92 43.18N 146.76E 0 3.8,3.8b ¶610243810
MOS II 17 13 46 25.5–1.1 43.00N 146.50E 47 4.1b,3.8b
JMA II 17 13 46 27.2–.15 43.1N–.50 146.4E–.80 47–1 4.0,3.8b
SKHL II 17 13 46 27.6–.40 43.10N 146.40E 62–2 4.8b,3.8b
NIED II 17 13 46 27.2 43.11N 146.40E 47 3.8W,3.8b
ISC Event type ke.
IDC Error ellipse: s-maj=22.5km s-min=18.1km az=133.0.
MOS Error ellipse: s-maj=17.2km s-min=9.5km az=106.6.
JMA Event type fe. OFF NEMURO PENINSULA .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}2.45 $M_{\theta\theta}$-0.95 $M_{\phi\phi}$-1.49 $M_{r\theta}$5.09 $M_{\theta\phi}$-3.05 $M_{\phi r}$0.77 NP1:ϕ_s75.00000°,δ77.00000°,λ116.00000°. NP2:ϕ_s189.00000°,δ29.00000°,λ27.00000°. $M_0$6.35000×10^{14}
(235) Kyushu
JMA II 18 10 42 36.7–.03 33.90N–.09 131.4E–.10 12–0 3.7
NIED II 18 10 42 36.7 33.90N 131.37E 12 3.4W ¶610247252
JMA Event type fe. SUONADA SETONAIKAI .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-0.48 $M_{\theta\theta}$1.55 $M_{\phi\phi}$-1.07 $M_{r\theta}$-0.25 $M_{\theta\phi}$0.75 $M_{\phi r}$-0.47 NP1:ϕ_s33.00000°,δ80.00000°,λ-156.00000°. NP2:ϕ_s299.00000°

,δ67.00000°,λ-10.00000°. $M_0$1.63000×10^{14}
(228) Near east coast of eastern Honshu
ISC II 18 14 25 10.5–.50 35.73N–.05 140.16E–.05 70 4.2b 94 0-82
NEIC II 18 14 25 10.4–1.2 35.75N–.06 140.18E–.09 67–7 4.4b ¶610243816
IDC II 18 14 25 10.7–1.3 35.66N 140.24E 72–11 4.0,3.6b
JMA II 18 14 25 11.3–.16 35.8N–.40 140.1E–.60 62–1 3.3,3.6b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. NORTHERN CHIBA PREF .
(228) Near east coast of eastern Honshu
ISC II 18 22 21 29.6–.97 36.77N–.02 140.52E–.05 8–7 3.6b 31 0-148
IDC II 18 22 21 28.5–.86 36.95N 140.53E 0 3.6,3.6b ¶610415783
JMA II 18 22 21 29.5–.03 36.75N–.07 140.6E–.10 11–0 3.6,3.6b
ISC Event type ke.
JMA Event type fe. NORTHERN IBARAKI PREF .
(224) Hokkaido region
ISC II 19 01 53 32.4–1.0 41.55N–.03 142.06E–.04 44–10 3.7b 48 1-148
JMA II 19 01 53 32.1–.10 41.6N–.40 142.1E–.50 48–2 3.7 ¶610247254
NIED II 19 01 53 32.1 41.55N 142.07E 48 3.8W
IDC II 19 01 53 35.1–2.5 41.61N 141.89E 64–18 3.8,3.4b
ISC Event type ke.
JMA Event type fe. E OFF AOMORI PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}4.85 $M_{\theta\theta}$-3.76 $M_{\phi\phi}$-1.09 $M_{r\theta}$1.26 $M_{\theta\phi}$1.58 $M_{\phi r}$0.24 NP1:ϕ_s107.00000°,δ52.00000°,λ80.00000°. NP2:ϕ_s302.00000° ,δ39.00000°,λ102.00000°. $M_0$4.84000×10^{14}
IDC Error ellipse: s-maj=25.8km s-min=15.3km az=129.0.
(228) Near east coast of eastern Honshu
ISC II 19 06 01 52.5–1.1 37.68N–.04 141.91E–.07 52–10 3.8b 87 1-147
NEIC II 19 06 01 53.2–1.3 37.74N–.03 141.90E–.08 57–8 4.1b ¶614137598
NIED II 19 06 01 53.7 37.71N 141.78E 64 4.0W
JMA II 19 06 01 53.7–.11 37.7N–.30 141.8E–.60 64–1 4.6,4.2
IDC II 19 06 01 54.4–2.6 37.49N 141.99E 73–28 3.9,3.4b
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=2.2km az=114.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.21 $M_{\theta\theta}$0.36 $M_{\phi\phi}$-0.57 $M_{r\theta}$-0.68 $M_{\theta\phi}$0.74 $M_{\phi r}$0.09 NP1:ϕ_s289.00000°,δ81.00000°,λ38.00000°. NP2:ϕ_s192.00000° ,δ52.00000°,λ169.00000°. $M_0$1.13000×10^{15}
JMA Event type fe. E OFF FUKUSHIMA PREF .
IDC Error ellipse: s-maj=20.7km s-min=16.0km az=54.0.
(228) Near east coast of eastern Honshu
ISC II 19 09 19 30.5–.25 35.68N–.03 140.63E–.03 46–1 5.5b,4.8s 1735 0-167
BJI II 19 09 19 26.9–.00 35.68N 140.71E 50 5.5b,5.3b ¶614137695
MOS II 19 09 19 28.8–.88 35.63N 140.61E 45 5.8b,4.9s
NIED II 19 09 19 29.8 35.73N 140.67E 52 5.4W,4.9s
JMA II 19 09 19 29.8–.17 35.7N–.50 140.7E–.60 52–1 5.4W,5.4
IDC II 19 09 19 30.3–1.1 35.68N 140.57E 43–10 5.4,5.1b
NEIC II 19 09 19 31.1–2.6 35.66N–.05 140.75E–.08 42–1 5.5b,5.4
GCMT II 19 09 19 33.1–.10 35.64N–.01 140.74E–.01 45–0 5.5W,5.4
NEIC II 19 09 19 36.3 35.66N 140.63E 50 5.5W,5.4
ISC Event type ke. Moment Tensor Solution. NP1:ϕ_s22.79231°,δ66.67820°,λ109.36620°. NP2: ϕ_s161.19226°,δ29.96425°,λ52.43354°. Principal axes: T Plg63.1933°,Azm324.1200° ; N Plg17.7288°,Azm194.8702°; P Plg19.4299°,Azm98.3953°
MOS Error ellipse: s-maj=6.3km s-min=3.7km az=118.3.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{17}Nm; M_{rr}1.22 $M_{\theta\theta}$-0.13 $M_{\phi\phi}$-1.09 $M_{r\theta}$0.17 $M_{\theta\phi}$-0.08 $M_{\phi r}$1.21 NP1:ϕ_s7.00000°,δ68.00000°,λ91.00000°. NP2:ϕ_s183.00000° ,δ22.00000°,λ86.00000°. $M_0$1.68000×10^{17}
JMA Event type fe. NEAR CHOSHI CITY .
IDC Error ellipse: s-maj=11.3km s-min=7.6km az=98.0.
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=8.5km az=286.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.47 $M_{\theta\theta}$-0.06 $M_{\phi\phi}$-0.41 $M_{r\theta}$-0.00 $M_{\theta\phi}$-0.18 $M_{\phi r}$1.33 NP1:ϕ_s219.59000°,δ11.70000°,λ127.47000°. NP2:ϕ_s1.54000°,δ80.74000° ,λ82.82000°. Principal axes: T 1.4453,Plg54.0000°,Azm263.0000°; N -0.0548,Plg7.0000° ,Azm3.0000°; P -1.3905,Plg35.0000°,Azm98.0000° $M_0$1.42000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s114,c204; s142,c271;Duration: 1s4 Moment tensor: Scale 10^{17}Nm; M_{rr}1.84±.03 $M_{\theta\theta}$-0.15±.02; $M_{\phi\phi}$-1.68±.02; $M_{r\theta}$0.03±.02; $M_{\theta\phi}$-0.40±.02; $M_{\phi r}$1.13±.02; Best double couple: NP1:ϕ_s8.00000°,δ61.00000°,λ84.00000°. NP2:ϕ_s200.00000°,δ30.00000°,λ101.00000°. Principal axes: T 2.1740,Plg73.0000° ,Azm263.0000°; N -0.0770,Plg5.0000°,Azm11.0000°; P -2.0930,Plg16.0000°,Azm102.0000° $M_0$2.13400×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 2s4 Moment tensor: Scale 10^{17}Nm; M_{rr}1.07 $M_{\theta\theta}$-0.10 $M_{\phi\phi}$-0.97 $M_{r\theta}$-0.04 $M_{\theta\phi}$-0.24 $M_{\phi r}$0.88 NP1:ϕ_s3.80000°,δ65.15000° ,λ81.42000°. NP2:ϕ_s203.55000°,δ26.20000°,λ107.86000°. Principal axes: T 1.4062,Plg69.0000°,Azm257.0000°; N -0.0703,Plg8.0000°,Azm7.0000° ; P -1.3359,Plg20.0000°,Azm100.0000° $M_0$1.37000×10^{17}
(228) Near east coast of eastern Honshu
ISC II 19 10 25 27.4–.94 35.69N–.04 140.73E–.06 51–7 3.5b 32 0-59
IDC II 19 10 25 26.3–2.4 35.67N 140.79E 42–22 3.5,3.2b ¶610415809
JMA II 19 10 25 27.6–.20 35.7N–.60 140.6E–.70 51–1 3.1,3.2b
ISC Event type ke.
JMA Event type fe. NEAR CHOSHI CITY .
(228) Near east coast of eastern Honshu
ISC II 22 09 53 34.5–.97 36.72N–.02 140.59E–.04 7–6 3.7b 43 0-148
IDC II 22 09 53 33.6–.78 36.79N 140.57E 0 3.7,3.7b ¶610247261
JMA II 22 09 53 34.3–.04 36.7N–.10 140.6E–.20 6–0 3.7,3.7b
NIED II 22 09 53 34.3 36.70N 140.64E 6 3.8W,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=19.7km s-min=16.5km az=124.0.
JMA Event type fe. NORTHERN IBARAKI PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-3.18 $M_{\theta\theta}$-0.58 $M_{\phi\phi}$3.75 $M_{r\theta}$-2.88 $M_{\theta\phi}$-2.57 $M_{\phi r}$1.26 NP1:ϕ_s127.00000°,δ67.00000°,λ-122.00000°. NP2:ϕ_s5.00000° ,δ39.00000°,λ-39.00000°. $M_0$5.34000×10^{14}
(236) Shikoku
ISC II 22 18 13 23.0–1.2 32.63N–.05 132.13E–.03 33–5 3.2b 35 0-56
JMA II 22 18 13 22.8–.04 32.7N–.20 132.1E–.20 36–0 3.6 ¶610247260
NIED II 22 18 13 22.8 32.65N 132.13E 36 3.7W
IDC II 22 18 13 24.2–2.3 32.55N 132.07E 45–26 3.3,3.0b
ISC Event type ke.
JMA Event type fe. HYUGANADA REGION .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-1.64 $M_{\theta\theta}$-0.04 $M_{\phi\phi}$1.68 $M_{r\theta}$1.86 $M_{\theta\phi}$0.48 $M_{\phi r}$3.60 NP1:ϕ_s206.00000°,δ79.00000°,λ-85.00000°. NP2:ϕ_s1.00000° ,δ12.00000°,λ-114.00000°. $M_0$4.41000×10^{14}
IDC Error ellipse: s-maj=28.6km s-min=18.3km az=18.0.
(259) Mindanao
ISC II 22 23 36 16.4–3.3 7.82N–.04 121.48E–.03 7–21 4.3b,4.0s 66 2-98
IDC II 22 23 36 15.3–.88 7.94N 122.03E 0 3.9,3.9b ¶610384834
MAN II 22 23 36 18.3 7.76N 121.47E 37 4.9b,3.8L
NEIC II 22 23 36 20.8–1.1 7.69N–.09 121.6E–.10 34–5 4.4b,3.8L
ISC Event type fe.
MAN Event type fe. INTENSITY II - ZAMBOANGA CITY.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(259) Mindanao
ISC II 23 01 50 15.9–.95 7.05N–.03 125.62E–.03 15–6 4.6b,3.4s 125 0-97
IDC II 23 01 50 12.4–.66 7.10N 125.85E 0 4.5L,4.0 ¶610239728
DJA II 23 01 50 13.3–.50 7N–4.0 126E–3.0 10 5.1b,4.9
NEIC II 23 01 50 15.9–1.6 7.07N–.09 125.59E–.09 12–5 4.7b,4.9
MAN II 23 01 50 15.0 7.08N 125.54E 10 5.3b,4.5s
ISC Event type fe.
IDC Error ellipse: s-maj=15.0km s-min=5.5km az=4.0.
NEIC Event type se. Error ellipse: s-maj=14.4km s-min=11.4km az=55.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN Event type fe. INTENSITY IV - DAVAO CITY.
(259) Mindanao
ISC II 23 03 06 56.5–.59 6.16N–.04 124.72E–.04 22–4 4.4b,3.5s 54 0-98
MAN II 23 03 06 54.5 6.14N 124.70E 7 5.2b,4.2s ¶610384844
DJA II 23 03 06 57.4–1.1 6N–3.0 125E–4.0 27–10 5.3b,4.7
NEIC II 23 03 06 59.9–1.8 6.11N–.06 124.96E–.07 44–6 4.5b,4.7
IDC II 23 03 07 00.8–2.5 6.23N 125.25E 58–23 4.0,3.8b
ISC Event type fe.
MAN Event type fe. INTENSITY II - KIAMBA SARANGANI; LAKE SEBU SOUTH COTABATO ; INTENSITY I - KORONADAL CITY.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=8.3km az=113.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=55.8km s-min=17.5km az=72.0.
(233) Near south coast of western Honshu
ISC II 23 04 01 33.7–1.1 33.81N–.07 135.10E–.04 43–11 22 0-42
IDC II 23 04 01 30.8–4.2 34.06N 134.93E 0 3.3b,3.2 ¶610384846
JMA II 23 04 01 33.5–.07 33.8N–.20 135.1E–.20 48–0 3.7,3.2
ISC Event type ke.
JMA Event type fe. S PART OF KII CHANNEL .
(259) Mindanao
ISC II 23 11 17 39.5–.80 7.10N–.03 125.51E–.03 18–4 4.0b,3.1s 53 0-95
NEIC II 23 11 17 37.8–.66 7.27N–.04 125.6E–.20 16–6 4.2b,3.1s ¶610240056
IDC II 23 11 17 37.6–1.1 7.05N 125.83E 0 3.6,3.6b
MAN II 23 11 17 40.3 6.97N 125.55E 13 5.0b,4.0s
ISC Event type fe.
NEIC Event type se. Error ellipse: s-maj=34.3km s-min=6.1km az=89.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=20.9km s-min=6.8km az=12.0.
MAN Event type fe. INTENSITY III - DAVAO CITY.
(228) Near east coast of eastern Honshu
ISC II 24 15 47 55.9–1.9 38.71N–.05 142.40E–.07 11–11 3.5b 31 1-63
JMA II 24 15 47 59.7–.12 38.7N–.30 142.3E–.70 38–1 3.8 ¶610384941
IDC II 24 15 48 00.2–2.5 38.78N 142.55E 48–22 3.4,3.1b
ISC Event type ke.
JMA Event type fe. E OFF MIYAGI PREF .
IDC Error ellipse: s-maj=29.8km s-min=12.7km az=114.0.
(227) Eastern Honshu
ISC II 25 01 18 55.0–.84 36.09N–.04 139.91E–.05 50–7 3.9b 46 0-92
NEIC II 25 01 18 55.0–1.2 36.06N–.07 140.02E–.09 55–8 4.3b ¶610241527
IDC II 25 01 18 55.8–2.2 35.96N 139.80E 58–22 3.9L,3.7
JMA II 25 01 18 55.5–.09 36.1N–.20 139.9E–.30 46–0 3.6,3.7
NIED II 25 01 18 55.5 36.08N 139.89E 46 3.8W,3.7
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=11.4km s-min=8.3km az=129.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=31.1km s-min=12.3km az=68.0.
JMA Event type fe. SW IBARAKI PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}4.58 $M_{\theta\theta}$-2.88 $M_{\phi\phi}$-1.70 $M_{r\theta}$2.00 $M_{\theta\phi}$-2.07 $M_{\phi r}$3.93 NP1:ϕ_s36.00000°,δ67.00000°,λ77.00000°. NP2:ϕ_s246.00000° ,δ26.00000°,λ118.00000°. $M_0$6.29000×10^{14}
(238) Ryukyu Islands
ISC II 25 02 50 06.5–.72 29.45N–.03 130.67E–.04 29–5 4.8b,4.0s 243 1-115
BJI II 25 02 50 02.8–.00 29.21N 130.90E 30 4.7b,4.4b ¶610240968
MOS II 25 02 50 05.4–1.0 29.49N 130.60E 34 4.9b,4.4b
NEIC II 25 02 50 06.6–1.2 29.47N–.05 130.67E–.09 27–5 4.8b,4.4b
JMA II 25 02 50 07.6–.11 29.5N–.50 130.7E–.70 50–2 4.3,4.3
IDC II 25 02 50 07.7–3.4 29.54N 130.53E 33–26 4.4,4.2b
NIED II 25 02 50 07.6 29.49N 130.72E 50 4.5W,4.2b
ISC Event type ke.
MOS Error ellipse: s-maj=9.0km s-min=5.6km az=107.5.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=7.6km az=102.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. NEAR AMAMI-OSHIMA ISLAND.
IDC Error ellipse: s-maj=13.6km s-min=11.2km az=110.0.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}3.17 $M_{\theta\theta}$-1.62 $M_{\phi\phi}$-1.55 $M_{r\theta}$4.01 $M_{\theta\phi}$-2.45 $M_{\phi r}$4.82 NP1:ϕ_s40.00000°,δ75.00000°,λ86.00000°. NP2:ϕ_s234.00000° ,δ15.00000°,λ103.00000°. $M_0$7.24000×10^{15}
(228) Near east coast of eastern Honshu
ISC II 25 04 52 55.1–.57 38.72N–.04 142.21E–.05 44–4 4.5b,3.9s 186 1-148
BJI II 25 04 52 54.0–.00 38.68N 142.23E 53 4.9b,4.6b ¶611831887
NIED II 25 04 52 54.2 38.72N 142.26E 39 4.6W,4.6b
JMA II 25 04 52 54.2–.11 38.7N–.30 142.3E–.70 39–1 4.6W,4.5
IDC II 25 04 52 55.4–.64 38.72N 142.15E 44–5 4.4,4.1b
NEIC II 25 04 52 55.1–1.3 38.77N–.06 142.3E–.10 39–6 4.6b,4.1b
ISC Event type ke. Moment Tensor Solution. NP1:ϕ_s9.17587°,δ73.77479°,λ83.37081°. NP2: ϕ_s211.76041°,δ17.49347°,λ111.63855°. Principal axes: T Plg60.6895°,Azm269.5770° ; N Plg6.3640°,Azm11.0358°; P Plg28.4785°,Azm104.5045°
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}3.83 $M_{\theta\theta}$0.55 $M_{\phi\phi}$-4.37 $M_{r\theta}$2.49 $M_{\theta\phi}$-0.90 $M_{\phi r}$6.91 NP1:ϕ_s19.00000°,δ75.00000°,λ95.00000°. NP2:ϕ_s178.00000° ,δ16.00000°,λ70.00000°. $M_0$8.46000×10^{15}
JMA Event type fe. E OFF MIYAGI PREF .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(225) Off southeast coast of Hokkaido
ISC II 25 09 21 28.3–1.1 43.03N–.06 146.94E–.05 35–4 4.4b,3.5s 156 1-94
BJI II 25 09 21 21.4–.00 43.00N 147.18E 8 4.9b,4.5b ¶610241224
NEIC II 25 09 21 22.9–1.1 42.87N–.08 147.4E–.10 10–1 4.5b,4.5b
MOS II 25 09 21 24.6–1.1 42.94N 147.13E 25 4.6b,4.5b
NIED II 25 09 21 27.0 43.00N 146.96E 53 4.1W,4.5b
JMA II 25 09 21 27.0–.22 43.0N–.70 147E–1.0 53–3 4.2,4.2
SKHL II 25 09 21 28.5–.40 43.00N 146.90E 55–4 4.8b,4.2
IDC II 25 09 21 31.0–2.4 43.07N 146.74E 48–21 4.0,3.7b
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=16.9km s-min=10.8km az=127.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=9.7km s-min=6.7km az=115.2.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}1.19 $M_{\theta\theta}$-0.38 $M_{\phi\phi}$-0.81 $M_{r\theta}$0.32 $M_{\theta\phi}$-0.65 $M_{\phi r}$0.64 NP1:ϕ_s31.00000°,δ60.00000°,λ85.00000°. NP2:ϕ_s221.00000° ,δ30.00000°,λ99.00000°. $M_0$1.43000×10^{15}
JMA Event type fe. OFF NEMURO PENINSULA .
IDC Error ellipse: s-maj=16.7km s-min=14.0km az=142.0.
(228) Near east coast of eastern Honshu
ISC II 25 17 20 10.1–.58 36.35N–.04 141.10E–.06 35–4 4.0b,2.9s 93 0-147
NIED II 25 17 20 10.5 36.39N 140.99E 45 3.9W,2.9s ¶610241526
NEIC II 25 17 20 10.8–1.5 36.43N–.03 141.09E–.08 36–9 4.3b,2.9s
JMA II 25 17 20 10.5–.13 36.4N–.30 141.0E–.80 45–1 3.7,2.9s
IDC II 25 17 20 12.3–2.1 36.34N 140.89E 54–21 3.9,3.6b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}5.39 $M_{\theta\theta}$1.98 $M_{\phi\phi}$-7.37 $M_{r\theta}$3.08 $M_{\theta\phi}$-1.89 $M_{\phi r}$4.37 NP1:ϕ_s30.00000°,δ66.00000°,λ111.00000°. NP2:ϕ_s167.00000° ,δ31.00000°,λ51.00000°. $M_0$8.60000×10^{14}
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=1.7km az=115.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. E OFF IBARAKI PREF .
IDC Error ellipse: s-maj=20.0km s-min=12.0km az=80.0.
(227) Eastern Honshu
ISC II 25 20 11 44.6–.72 36.18N–.04 139.79E–.04 62–6 4.3b 126 0-148
BJI II 25 20 11 43.0–.00 36.20N 139.90E 67 4.8b,4.6b ¶614142703
NEIC II 25 20 11 44.0–1.8 36.18N–.05 139.83E–.06 56–5 4.5b,4.1
NEIC II 25 20 11 44 36.18N 139.83E 56 4.5b,4.1
NIED II 25 20 11 45.1 36.20N 139.80E 56 4.2W,4.1
JMA II 25 20 11 45.1–.09 36.2N–.20 139.8E–.30 56–0 4.2W,4.0
IDC II 25 20 11 45.5–1.1 36.10N 139.60E 70–10 4.0,3.7b
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=8.2km s-min=6.4km az=127.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}0.61 $M_{\theta\theta}$0.46 $M_{\phi\phi}$-1.07 $M_{r\theta}$-0.52 $M_{\theta\phi}$-0.32 $M_{\phi r}$1.20 NP1:ϕ_s340.37000°,δ77.08000°,λ63.45000°. NP2:ϕ_s226.27000°,δ29.32000°

,λ152.84000°. Principal axes: T 1.5720,Plg51.0000°,Azm220.0000°; N 0.1245,Plg26.0000° ,Azm347.0000°; P -1.6965,Plg27.0000°,Azm91.0000° M0 1.64000×10^{15}
NEIC Event type se.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; Mrr1.57 Mθθ-0.01 Mϕϕ-1.57 Mrθ-0.50 Mθϕ-0.28 Mϕr1.21 NP1:ϕs351.00000°,δ65.00000°,λ73.00000°. NP2:ϕs206.00000° ,δ30.00000°,λ121.00000°. M0 2.06000×10^{15}
JMA Event type fe. SW IBARAKI PREF .
IDC Error ellipse: s-maj=16.7km s-min=7.4km az=65.0.

(228) Near east coast of eastern Honshu
ISC II 26 11 34 09.6–1.0 40.35N–.04 142.13E–.08 53–8 3.5b 34 0-66
JMA II 26 11 34 10.0–.10 40.4N–.30 142.1E–.70 50–0 3.8 **¶610385059**
IDC II 26 11 34 11.1–1.9 40.41N 142.03E 63–17 3.6,3.3b
ISC Event type ke.
JMA Event type fe. NE OFF IWATE PREF .
IDC Error ellipse: s-maj=23.7km s-min=12.1km az=106.0.

(228) Near east coast of eastern Honshu
ISC II 26 14 54 45.3–.46 37.19N–.03 141.20E–.05 61–3 4.5b 177 0-147
IDC II 26 14 54 45.6–.57 37.19N 141.06E 63–4 4.0,3.7b **¶610241366**
JMA II 26 14 54 45.4–.10 37.2N–.20 141.2E–.60 62–0 4.4,4.2
NIED II 26 14 54 45.4 37.17N 141.18E 62 4.3W,4.2
NEIC II 26 14 54 46.0–2.4 37.23N–.05 141.20E–.09 61–5 4.6b,4.2
ISC Event type ke. Moment Tensor Solution. NP1:ϕs190.79057°,δ74.76109°,λ116.64877°. NP2: ϕs308.43497°,δ30.41896°,λ31.27378°. Principal axes: T Plg52.7148°,Azm132.3606° ; N Plg25.6422°,Azm3.2765°; P Plg25.0818°,Azm260.2928°
JMA Event type fe. E OFF FUKUSHIMA PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; Mrr2.00 Mθθ-0.72 Mϕϕ-1.28 Mrθ-0.50 Mθϕ-0.34 Mϕr-2.62 NP1:ϕs193.00000°,δ74.00000°,λ86.00000°. NP2:ϕs26.00000° ,δ17.00000°,λ102.00000°. M0 3.17000×10^{15}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(228) Near east coast of eastern Honshu
ISC II 26 15 03 33.7–.28 37.12N–.03 141.15E–.03 53–2 5.1b,4.1s 1179 0-155
MOS II 26 15 03 31.0–.88 37.11N 141.23E 43 5.4b,4.1s **¶611831899**
BJI II 26 15 03 31.0–.00 37.10N 141.21E 57 5.1b,4.9b
NIED II 26 15 03 33.3 37.07N 141.18E 50 4.9W,4.9b
IDC II 26 15 03 33.5–1.2 37.03N 141.12E 50–10 4.9,4.7b
BGR II 26 15 03 33.9 37.47N 141.86E 33 5.2b,4.7b
NEIC II 26 15 03 33.9–1.3 37.16N–.05 141.17E–.05 48–4 5.1b,4.8
NEIC II 26 15 03 33.4 37.15N 141.19E 50 5.1b,4.8
NEIC II 26 15 03 33.4 37.15N 141.19E 50 5.1b,4.8
JMA II 26 15 03 33.3–.14 37.1N–.40 141.2E–.80 50–0 4.9,4.8W
GCMT II 26 15 03 34.9–.30 37.08N–.02 141.28E–.03 48–1 5.0W,4.8W
ISC Event type ke. Moment Tensor Solution. NP1:ϕs145.68147°,δ29.04112°,λ20.17359°. NP2: ϕs37.87385°,δ80.36270°,λ117.52782°. Principal axes: T Plg47.4409°,Azm336.7683° ; N Plg27.1072°,Azm212.8873°; P Plg29.9885°,Azm105.7058° Moment Tensor Solution. NP1:ϕs190.54248°,δ27.73782°,λ118.95091°. NP2:ϕs338.53662°,δ65.96690°,λ75.71893°. Principal axes: T Plg66.0401°,Azm223.0993°; N Plg13.0202°,Azm344.4552°; P Plg19.7472° ,Azm79.2168°
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; Mrr1.25 Mθθ-0.27 Mϕϕ-0.98 Mrθ0.64 Mθϕ-0.48 Mϕr1.60 NP1:ϕs23.00000°,δ72.00000°,λ88.00000°. NP2:ϕs210.00000° ,δ18.00000°,λ97.00000°. M0 2.12000×10^{16}
ISC Event type ke. Hypocentre not reviewed by the ISC.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 1s4 Moment tensor: Scale 10^{16}Nm; Mrr1.48 Mθθ0.07 Mϕϕ-1.55 Mrθ0.39 Mθϕ-0.23 Mϕr1.46 NP1:ϕs13.02000°,δ67.39000° ,λ94.06000°. NP2:ϕs182.56000°,δ22.95000°,λ80.34000°. Principal axes: T 2.1084,Plg67.0000°,Azm291.0000°; N 0.0887,Plg4.0000°,Azm191.0000° ; P -2.1971,Plg22.0000°,Azm100.0000° M0 2.15000×10^{16}
JMA Event type fe. E OFF FUKUSHIMA PREF .
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s44,c51; s94,c130;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr3.07±.17 Mθθ-1.00±.11; Mϕϕ-2.08±.10; Mrθ0.57±.07; Mθϕ-0.95±.06; Mϕr1.62±.07; Best double couple: NP1:ϕs25.00000°,δ60.00000°,λ86.00000°. NP2:ϕs214.00000°,δ30.00000°,λ98.00000°. Principal axes: T 3.5560,Plg74.0000° ,Azm284.0000°; N -0.4660,Plg4.0000°,Azm27.0000°; P -3.0960,Plg15.0000°,Azm118.0000° M0 3.32600×10^{16}

(228) Near east coast of eastern Honshu
ISC II 26 18 09 19.8–.87 37.31N–.04 141.49E–.06 37–1 3.5b 55 0-77
JMA II 26 18 09 21.4–.11 37.4N–.30 141.3E–.70 47–0 4.0,3.8 **¶610247267**
NIED II 26 18 09 21.4 37.37N 141.32E 47 3.7W,3.8
IDC II 26 18 09 23.5–2.1 37.23N 141.38E 76–20 3.7,3.3b
ISC Event type ke.
JMA Event type fe. E OFF FUKUSHIMA PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; Mrr2.37 Mθθ-2.04 Mϕϕ-0.33 Mrθ3.48 Mθϕ-1.02 Mϕr0.97 NP1:ϕs73.00000°,δ73.00000°,λ95.00000°. NP2:ϕs236.00000° ,δ18.00000°,λ74.00000°. M0 4.36000×10^{14}
IDC Error ellipse: s-maj=17.9km s-min=14.6km az=78.0.

(224) Hokkaido region
ISC II 26 21 38 01.2–.60 42.28N–.04 143.03E–.03 64–5 4.2b 132 0-146
SKHL II 26 21 38 00.8–.50 42.20N 143.00E 74–5 5.0b **¶610243843**
MOS II 26 21 38 00.0–.99 42.29N 143.00E 70 4.4b
NEIC II 26 21 38 00.6–1.2 42.22N–.06 143.3E–.10 71–5 4.4b
JMA II 26 21 38 01.8–.15 42.3N–.50 143.0E–.50 53–1 3.9
NIED II 26 21 38 01.8 42.33N 143.01E 53 4.1W
IDC II 26 21 38 02.8–1.8 42.39N 142.96E 75–13 3.9,3.6b
ISC Event type ke.
MOS Error ellipse: s-maj=10.1km s-min=7.3km az=90.0.
NEIC Event type se. Error ellipse: s-maj=16.1km s-min=5.9km az=114.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. HIDAKA MOUNTAINS REGION .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; Mrr1.19 Mθθ-0.50 Mϕϕ-0.69 Mrθ0.56 Mθϕ-0.52 Mϕr0.74 NP1:ϕs38.00000°,δ64.00000°,λ89.00000°. NP2:ϕs221.00000° ,δ26.00000°,λ93.00000°. M0 1.48000×10^{15}
IDC Error ellipse: s-maj=18.5km s-min=12.2km az=111.0.

(212) Bonin Islands region
ISC II 26 23 17 08.0–.46 26.86N–.04 144.09E–.04 19–1 5.1b,3.9s 970 2-164
IDC II 26 23 17 04.8–.42 26.83N 144.12E 0 4.8,4.8b **¶611831890**
BJI II 26 23 17 04.4–.00 26.83N 143.92E 4 5.0b,4.8b
MOS II 26 23 17 06.4–.89 26.85N 144.03E 19 5.3b,4.8b
JMA II 26 23 17 07.2–.19 27N–1.0 144.1E–.80 44 5.3,4.9W
NEIC II 26 23 17 08.1–1.5 26.91N–.07 144.05E–.07 15–2 5.2b,4.9W
GCMT II 26 23 17 10.1–.20 26.94N–.01 143.94E–.03 17–0 4.9W,4.9W
ISC Event type ke.
JMA Event type fe. FAR E OFF OGASAWARA .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s38,c39; s111,c143;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr-2.62±.13 Mθθ2.32±.09; Mϕϕ0.30±.07; Mrθ0.27±.18; Mθϕ-0.41±.05; Mϕr1.11±.26; Best double couple: NP1:ϕs262.00000°,δ49.00000°,λ-116.00000°. NP2:ϕs119.00000°,δ48.00000°,λ-63.00000°. Principal axes: T 2.4000,Plg1.0000° ,Azm11.0000°; N 0.6220,Plg19.0000°,Azm280.0000°; P -3.0220,Plg71.0000°,Azm103.0000° M0 2.71100×10^{16}

(228) Near east coast of eastern Honshu
ISC II 26 23 26 39.1–.87 35.84N–.04 140.95E–.05 29–6 3.6b 54 0-147
IDC II 26 23 26 35.0–.86 35.77N 140.98E 0 3.7,3.6b **¶614143866**
NEIC II 26 23 26 39.7–1.6 35.85N–.05 141.02E–.08 33–7 3.8b,3.6b
JMA II 26 23 26 39.3–.20 35.8N–.50 140.9E–.90 31–1 3.7,3.6b
NIED II 26 23 26 39.3 35.84N 140.90E 31 3.9W,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=23.4km s-min=15.9km az=82.0.
NEIC Event type se. Error ellipse: s-maj=12.3km s-min=2.8km az=127.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. NEAR CHOSHI CITY .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; Mrr-4.27 Mθθ-0.58 Mϕϕ4.84 Mrθ6.10 Mθϕ-0.16 Mϕr-3.35 NP1:ϕs316.00000°,δ76.00000°,λ-113.00000°. NP2:ϕs195.00000° ,δ27.00000°,λ-33.00000°. M0 8.06000×10^{14}

(229) Off east coast of Honshu
ISC II 27 02 17 34.2–.62 39.35N–.04 143.66E–.04 10–3 4.8b,4.2s 670 1-154
JMA II 27 02 17 29.7–.23 39.3N–.70 144E–1.0 10 4.9,4.5W **¶611831908**
NIED II 27 02 17 29.7 39.33N 143.97E 10 4.7W,4.5W
IDC II 27 02 17 33.0–.49 39.27N 143.57E 0 4.6,4.6b
BJI II 27 02 17 33.0–.00 39.40N 143.60E 10 5.0b,4.9b
NEIC II 27 02 17 34.4–1.2 39.36N–.06 143.5E–.10 10–4 4.8b,4.9b
MOS II 27 02 17 35.1–1.1 39.45N 143.53E 22 5.0b,4.9b
GCMT II 27 02 17 38.4–.60 39.37N–.05 143.80E–.05 24–1 4.8W,4.9b
ISC Event type ke. Moment Tensor Solution. NP1:ϕs208.84100°,δ28.09040°,λ78.52987°. NP2: ϕs41.79390°,δ62.51863°,λ96.05852°. Principal axes: T Plg71.8263°,Azm325.6379° ; N Plg5.3727°,Azm218.9899°; P Plg17.3082°,Azm127.3105° Moment Tensor Solution. NP1: ϕs165.60014°,δ25.94678°,λ97.97879°. NP2:ϕs336.74042°,δ64.32279°,λ86.13606°. Principal axes: T Plg70.4279°,Azm238.5628°; N Plg3.4819°,Azm338.4167°; P Plg19.2349° ,Azm69.6332°
JMA Event type fe. FAR E OFF SANRIKU .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; Mrr0.95 Mθθ0.14 Mϕϕ-1.09 Mrθ0.06 Mθϕ-0.29 Mϕr0.28 NP1:ϕs12.00000°,δ53.00000°,λ90.00000°. NP2:ϕs193.00000° ,δ37.00000°,λ91.00000°. M0 1.09000×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s13,c13; s69,c88;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr1.68±.19 Mθθ-0.33±.11; Mϕϕ-1.34±.11; Mrθ0.42±.17; Mθϕ-0.32±.06; Mϕr0.99±.12; Best double couple: NP1:ϕs20.00000°,δ62.00000°,λ93.00000°. NP2:ϕs194.00000°,δ28.00000°,λ85.00000°. Principal axes: T 2.0160,Plg73.0000° ,Azm296.0000°; N -0.2490,Plg3.0000°,Azm198.0000°; P -1.7610,Plg17.0000° ,Azm108.0000° M0 1.88800×10^{16}

(228) Near east coast of eastern Honshu
ISC II 27 05 19 53.6–.80 37.25N–.03 141.52E–.04 25–5 4.6b,3.6s 315 1-147
IDC II 27 05 19 50.0–.53 37.22N 141.45E 0 4.3,4.3b **¶614144070**
JMA II 27 05 19 52.8–.16 37.3N–.30 141.6E–.80 33–1 4.5,4.3W
NIED II 27 05 19 52.8 37.25N 141.55E 33 4.3W,4.3W
BJI II 27 05 19 52.6–.00 37.10N 141.69E 45 5.0b,4.5b
NEIC II 27 05 19 53.8–2.1 37.23N–.04 141.48E–.07 19–4 4.6b,4.2
MOS II 27 05 19 53.4–1.1 37.31N 141.44E 31 4.9b,4.2
NEIC II 27 05 19 56.1 37.25N 141.41E 36 4.9b,4.2
ISC Event type ke.
IDC Error ellipse: s-maj=16.1km s-min=12.1km az=102.0.
JMA Event type fe. E OFF FUKUSHIMA PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; Mrr-2.94 Mθθ1.27 Mϕϕ1.66 Mrθ-0.67 Mθϕ1.55 Mϕr-0.10 NP1:ϕs50.00000°,δ51.00000°,λ-79.00000°. NP2:ϕs213.00000° ,δ41.00000°,λ-103.00000°. M0 3.06000×10^{15}
NEIC Event type se. Error ellipse: s-maj=8.6km s-min=6.2km az=74.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; Mrr-2.04 Mθθ0.98 Mϕϕ1.06 Mrθ-0.09 Mθϕ0.81 Mϕr-0.90 NP1:ϕs234.39000°,δ35.84000°,λ-70.04000°. NP2:ϕs30.25000°,δ56.61000° ,λ-103.85000°. Principal axes: T 1.9645,Plg11.0000°,Azm130.0000°; N 0.3191,Plg12.0000° ,Azm38.0000°; P -2.2835,Plg74.0000°,Azm262.0000° M0 2.14000×10^{15}
MOS Error ellipse: s-maj=8.6km s-min=5.6km az=106.6.
NEIC Event type se.

(224) Hokkaido region
ISC II 27 06 21 34.9–.54 43.43N–.04 145.88E–.04 64–4 4.4b 224 0-153
SKHL II 27 06 21 34.7–.10 43.40N 145.80E 76–2 5.2b **¶610385100**
MOS II 27 06 21 34.1–1.0 43.48N 145.89E 71 4.2b
JMA II 27 06 21 35.0–.16 43.4N–.50 145.8E–.80 67–1 4.6,4.3
NIED II 27 06 21 35.0 43.42N 145.83E 67 4.0W,4.3
NEIC II 27 06 21 36.7–1.2 43.47N–.07 145.8E–.10 79–7 4.4b,4.3
IDC II 27 06 21 38.3–2.7 43.50N 145.86E 96–25 4.0,3.6b
ISC Event type ke.
MOS Error ellipse: s-maj=9.6km s-min=6.2km az=85.5.
JMA Event type fe. NEMURO REGION .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; Mrr0.90 Mθθ-0.56 Mϕϕ-0.34 Mrθ0.23 Mθϕ-0.40 Mϕr-0.74 NP1:ϕs202.00000°,δ62.00000°,λ61.00000°. NP2:ϕs72.00000° ,δ40.00000°,λ132.00000°. M0 1.12000×10^{15}
NEIC Event type se. Error ellipse: s-maj=13.3km s-min=9.8km az=110.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=17.5km s-min=13.7km az=136.0.

(224) Hokkaido region
ISC II 27 09 10 38.0–.32 42.31N–.03 143.03E–.03 60–2 4.9b 919 0-168
MOS II 27 09 10 36.9–.89 42.23N 143.00E 64 5.1b **¶614144221**
BJI II 27 09 10 36.4–.00 42.19N 143.01E 63 5.0b,5.0b
SKHL II 27 09 10 37.0–.50 42.10N 143.00E 72–3 5.5b,5.0b
IDC II 27 09 10 38.3–1.4 42.37N 143.00E 61–12 4.7,4.4b
NEIC II 27 09 10 38.6–1.8 42.32N–.06 143.0E–.10 56–5 4.9b,4.4b
JMA II 27 09 10 39.2–.15 42.4N–.50 143.1E–.50 52–1 4.7W,4.7
NIED II 27 09 10 39.2 42.35N 143.05E 52 4.6W,4.7
BGR II 27 09 10 44.2 43.57N 142.34E 33 5.1b,4.7
ISC Event type ke. Moment Tensor Solution. NP1:ϕs5.60291°,δ3.31593°,λ-103.51982°. NP2: ϕs199.14458°,δ86.77605°,λ-89.22398°. Principal axes: T Plg41.7711°,Azm288.4088° ; N Plg0.7748°,Azm19.1009°; P Plg48.2184°,Azm109.9681°
MOS Error ellipse: s-maj=5.8km s-min=4.2km az=112.5.
IDC Error ellipse: s-maj=11.9km s-min=8.9km az=123.0.
NEIC Event type se. Error ellipse: s-maj=12.5km s-min=6.9km az=114.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. HIDAKA MOUNTAINS REGION .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; Mrr7.32 Mθθ-3.32 Mϕϕ-4.00 Mrθ1.61 Mθϕ-4.66 Mϕr5.22 NP1:ϕs28.00000°,δ63.00000°,λ75.00000°. NP2:ϕs239.00000° ,δ31.00000°,λ117.00000°. M0 9.58000×10^{15}
ISC Event type ke. Hypocentre not reviewed by the ISC.

(97) Near coast of Venezuela
ISC II 27 12 52 31.8–.79 10.60N–.04 62.43W–.03 79–8 3.7b 70 1-84
TRN II 27 12 52 32.8 10.60N 62.42W 56 3.9 **¶610385127**
FUNV II 27 12 52 33.9 10.54N 62.35W 34 3.9W
IDC II 27 12 52 34.0–2.8 10.74N 62.35W 99–29 3.8,3.4b
ISC Event type ke.
TRN Event type fe. Felt in Trinidad, MMI III.
IDC Error ellipse: s-maj=33.2km s-min=14.0km az=74.0.

(235) Kyushu
ISC II 27 15 42 46.4–1.2 32.50N–.03 130.56E–.04 2–10 19 0-56
NIED II 27 15 42 45.4 32.50N 130.56E 11 3.6W **¶610247268**
JMA II 27 15 42 45.4–.04 32.5N–.10 130.6E–.10 11–0 3.6
IDC II 27 15 42 46.1–1.4 32.58N 130.48E 0 3.1,3.0b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; Mrr-0.87 Mθθ2.24 Mϕϕ-1.37 Mrθ-0.06 Mθϕ0.15 Mϕr2.20 NP1:ϕs231.00000°,δ63.00000°,λ-147.00000°. NP2:ϕs124.00000° ,δ61.00000°,λ-32.00000°. M0 2.79000×10^{14}
JMA Event type fe. SOUTHERN KUMAMOTO PREF .
IDC Error ellipse: s-maj=21.7km s-min=10.5km az=121.0.

(221) Kuril Islands
ISC II 27 15 49 10.4–.74 44.38N–.05 147.72E–.05 106–6 4.2b 187 1-82
MOS II 27 15 49 10.2–.87 44.54N 147.70E 112 4.1b **¶610241640**
SKHL II 27 15 49 10.6–.30 44.30N 147.80E 111–4 6.1s,5.3b
JMA II 27 15 49 11.5–.37 44N–1.0 148E–2.0 90 4.1,5.3b
NEIC II 27 15 49 12.6–1.4 44.5N–.10 147.7E–.10 114–9 4.2b,5.3b
IDC II 27 15 49 12.2–2.3 44.64N 147.69E 111–19 4.0,3.6b
ISC Event type ke.
MOS Event type fe. Error ellipse: s-maj=9.7km s-min=7.7km az=69.1. Felt (II-III) at Malokuril'skoye. Moment Tensor Solution.
JMA Event type ke. SE OFF ETOROFU .
NEIC Event type se. Error ellipse: s-maj=15.9km s-min=12.8km az=156.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=21.6km s-min=12.0km az=163.0.

(243) Taiwan region
ISC II 27 16 18 30.7–.35 24.15N–.02 122.91E–.02 47–3 4.8b,3.7s 917 0-178
IDC II 27 16 18 24.4–.45 24.30N 122.92E 0 4.4b,4.3 **¶610241631**
MOS II 27 16 18 30.8–1.1 24.29N 122.97E 65 4.9b,4.3

NEIC II 27 16 18 30.9–1.2 24.25N–.06 122.88E–.03 44–5 4.9b,4.3
ASIES II 27 16 18 30.6 24.20N 122.94E 48 5.2L,4.5W
JMA II 27 16 18 30.9–.10 24N–1.0 122.9E–.50 50–1 4.8,4.7
BJI II 27 16 18 30.3–.00 24.15N 122.75E 40 4.5b,4.3L
NIED II 27 16 18 30.9 24.23N 122.88E 50 4.5W,4.3L
TAP II 27 16 18 30.6 24.20N 122.94E 48–0 5.2L,4.3L
ISC Event type ke. Moment Tensor Solution. NP1:ϕs205.78055°,δ82.53247°,λ153.37029°. NP2: ϕs299.50900°,δ63.61369°,λ8.34185°. Principal axes: T Plg23.9633°,Azm159.5470° ; N Plg62.4169°,Azm11.2494°; P Plg12.8474°,Azm255.3649°
IDC Error ellipse: s-maj=13.4km s-min=11.4km az=87.0.
MOS Error ellipse: s-maj=10.1km s-min=6.3km az=88.7.
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=2.2km az=158.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ASIES Moment Tensor Solution. Moment tensor: Scale 10^{22}Nm; Mrr5.02 Mθθ0.00 Mϕϕ-5.22 Mrθ-1.31 Mθϕ2.12 Mϕr-2.41 NP1:ϕs180.20000°,δ57.67000°,λ113.85000°. NP2:ϕs320.61000° ,δ39.39000°,λ57.42000°. Principal axes: T Plg67.6080°,Azm138.8410°; N Plg19.9810° ,Azm346.8940°; P Plg9.6930°,Azm253.3330° M0 6.17915×10^{22}
JMA Event type fe. NW OFF ISHIGAKIJIMA IS .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; Mrr0.14 Mθθ4.73 Mϕϕ-4.86 Mrθ0.91 Mθϕ2.00 Mϕr-3.18 NP1:ϕs301.00000°,δ75.00000°,λ-21.00000°. NP2:ϕs37.00000° ,δ70.00000°,λ-164.00000°. M0 5.98000×10^{15}
TAP C.

(230) Near south coast of eastern Honshu
ISC II 27 18 59 54.5–.78 35.88N–.04 140.05E–.05 114–6 3.4b 48 0-77
IDC II 27 18 59 54.1–1.6 35.89N 140.14E 105–13 3.7,3.1b **¶610385148**
JMA II 27 18 59 55.8–.18 35.9N–.50 140.0E–.80 104–1 3.6,3.1b
ISC Event type ke.
JMA Event type fe. SOUTHERN IBARAKI PREF .

(235) Kyushu
JMA II 27 23 50 01.7–.05 31.9N–.10 131.2E–.20 15–0 3.7
NIED II 27 23 50 01.7 31.93N 131.23E 15 3.7W **¶610241885**
JMA Event type fe. SOUTHERN MIYAZAKI PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; Mrr-4.39 Mθθ4.71 Mϕϕ-0.32 Mrθ0.03 Mθϕ0.64 Mϕr0.06 NP1:ϕs262.00000°,δ45.00000°,λ-91.00000°. NP2:ϕs84.00000° ,δ45.00000°,λ-89.00000°. M0 4.59000×10^{14}

(228) Near east coast of eastern Honshu
ISC II 28 07 49 02.3–.22 37.53N–.02 141.29E–.02 52–1 5.8b,5.2s 2452 0-166
BJI II 28 07 48 57.6–.00 37.51N 141.48E 43 5.7b,5.5b **¶610241802**
IDC II 28 07 49 00.2–2.2 37.55N 141.34E 33–16 5.7,5.5b
MOS II 28 07 49 00.0–.83 37.61N 141.23E 41 6.2b,5.3s
BGR II 28 07 49 01.8 37.70N 142.27E 45 6.0,5.8b
NEIC II 28 07 49 02.9–2.1 37.57N–.06 141.34E–.09 47–1 5.8,5.7
JMA II 28 07 49 02.1–.09 37.5N–.20 141.4E–.60 52–0 5.7W,5.7
NIED II 28 07 49 02.1 37.51N 141.37E 52 5.7W,5.7
GCMT II 28 07 49 03.9–.10 37.56N–.01 141.45E–.01 54–0 5.8W,5.7
NEIC II 28 07 49 10.2 37.46N 141.46E 60 5.8W,5.7
ISC Event type ke. Moment Tensor Solution. NP1:ϕs32.73759°,δ59.80354°,λ126.95589°. NP2: ϕs156.50148°,δ46.31718°,λ44.06696°. Principal axes: T Plg57.5677°,Azm355.1735° ; N Plg31.3068°,Azm192.0107°; P Plg7.6270°,Azm97.3394°
IDC Error ellipse: s-maj=10.3km s-min=8.7km az=99.0.
MOS Error ellipse: s-maj=5.5km s-min=3.3km az=109.2.
ISC Event type ke. Hypocentre not reviewed by the ISC.
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=9.0km az=294.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; Mrr-0.21 Mθθ0.51 Mϕϕ-0.30 Mrθ1.63 Mθϕ0.25 Mϕr3.79 NP1:ϕs203.84000°,δ89.22000°,λ-96.50000°. NP2:ϕs107.00000°,δ6.55000° ,λ-6.88000°. Principal axes: T 4.0613,Plg44.0000°,Azm300.0000°; N 0.1934,Plg6.0000° ,Azm204.0000°; P -4.2547,Plg45.0000°,Azm107.0000° M0 4.16000×10^{17} Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; Mrr4.38 Mθθ-0.88 Mϕϕ-3.50 Mrθ1.00 Mθϕ-0.88 Mϕr3.23 NP1:ϕs196.90000°,δ25.16000°,λ89.82000°. NP2:ϕs17.10000°,δ64.85000° ,λ90.09000°. Principal axes: T 5.6016,Plg70.0000°,Azm287.0000°; N -0.6097,Plg0.0000° ,Azm197.0000°; P -4.9918,Plg20.0000°,Azm107.0000° M0 5.32000×10^{17}
JMA Event type fe. E OFF FUKUSHIMA PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{17}Nm; Mrr2.81 Mθθ-0.00 Mϕϕ-2.81 Mrθ0.96 Mθϕ-1.02 Mϕr3.18 NP1:ϕs17.00000°,δ69.00000°,λ89.00000°. NP2:ϕs199.00000° ,δ21.00000°,λ92.00000°. M0 4.46000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s151,c298; s163,c355;Duration: 1s9 Moment tensor: Scale 10^{17}Nm; Mrr4.74±.06 Mθθ-0.40±.05; Mϕϕ-4.34±.05; Mrθ0.96±.04; Mθϕ-1.30±.04; Mϕr3.16±.05; Best double couple: NP1:ϕs17.00000°,δ62.00000°,λ90.00000°. NP2:ϕs197.00000°,δ28.00000°,λ90.00000°. Principal axes: T 5.7790,Plg73.0000° ,Azm287.0000°; N -0.0100,Plg0.0000°,Azm197.0000°; P -5.7690,Plg17.0000° ,Azm107.0000° M0 5.77400×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 3s6 Moment tensor: Scale 10^{17}Nm; Mrr3.21 Mθθ-0.44 Mϕϕ-2.77 Mrθ0.41 Mθϕ-0.79 Mϕr2.11 NP1:ϕs13.78000°,δ62.33000° ,λ87.15000°. NP2:ϕs199.91000°,δ27.81000°,λ95.42000°. Principal axes: T 3.8854,Plg73.0000°,Azm277.0000°; N -0.2079,Plg3.0000°,Azm15.0000° ; P -3.6775,Plg17.0000°,Azm106.0000° M0 3.78000×10^{17}

(229) Off east coast of Honshu
ISC II 28 08 08 27.8–.50 36.78N–.04 142.19E–.05 35 4.6b,4.3s 134 1-90
IDC II 28 08 08 21.6–.65 36.56N 142.16E 0 4.3,4.3b **¶610241804**
BJI II 28 08 08 22.4–.00 36.67N 142.45E 27 5.3b,4.8b
NIED II 28 08 08 23.8 36.75N 142.23E 22 4.5W,4.8b
JMA II 28 08 08 23.8–.44 36.8N–.70 142E–2.0 22–4 4.6W,4.6
NEIC II 28 08 08 27.7–1.9 36.94N–.06 142.1E–.10 24–6 4.8b,4.6
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; Mrr4.77 Mθθ-1.07 Mϕϕ-3.70 Mrθ2.00 Mθϕ-1.64 Mϕr5.04 NP1:ϕs23.00000°,δ70.00000°,λ88.00000°. NP2:ϕs208.00000° ,δ20.00000°,λ95.00000°. M0 7.13000×10^{15}
JMA Event type fe. E OFF FUKUSHIMA PREF .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(228) Near east coast of eastern Honshu
ISC III 01 00 44 10.6–1.3 36.36N–.03 141.13E–.06 29–9 4.0b,3.7s 54 0-85
IDC III 01 00 44 06.4–1.1 36.34N 141.24E 0 4.1,3.9b **¶614145720**
JMA III 01 00 44 10.9–.14 36.4N–.30 141.1E–.90 46–1 3.7,3.9b
NIED III 01 00 44 10.9 36.38N 141.05E 46 3.7W,3.9b
NEIC III 01 00 44 14.2–1.8 36.30N–.06 140.96E–.07 59–10 4.2b,3.9b
ISC Event type ke.
JMA Event type fe. E OFF IBARAKI PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; Mrr-2.43 Mθθ-0.30 Mϕϕ2.73 Mrθ2.01 Mθϕ-0.96 Mϕr2.97 NP1:ϕs198.00000°,δ73.00000°,λ-65.00000°. NP2:ϕs320.00000° ,δ30.00000°,λ-145.00000°. M0 4.48000×10^{14}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(228) Near east coast of eastern Honshu
ISC III 01 06 43 04.5–.27 37.51N–.03 141.46E–.03 52–1 4.9b,4.2s 833 0-147
BJI III 01 06 43 02.0–.00 37.52N 141.52E 58 4.9b,4.9b **¶610242100**
MOS III 01 06 43 02.1–.87 37.56N 141.44E 44 5.2b,4.9b
NIED III 01 06 43 04.0 37.52N 141.45E 49 4.9W,4.9b
JMA III 01 06 43 04.0–.08 37.5N–.20 141.5E–.50 49–1 4.9W,4.9
BGR III 01 06 43 04.7 37.31N 140.68E 33 5.2b,4.3s
IDC III 01 06 43 04.8–.37 37.53N 141.38E 53–2 4.8,4.5b
NEIC III 01 06 43 05.5–2.0 37.57N–.06 141.41E–.10 54–5 5.0b,4.5b
GCMT III 01 06 43 06.5–.30 37.63N–.02 141.48E–.03 46–1 5.0W,4.5b
ISC Event type ke. Moment Tensor Solution. NP1:ϕs151.30026°,δ23.86436°,λ20.27810°. NP2: ϕs42.63075°,δ81.93967°,λ112.53728°. Principal axes: T Plg48.2279°,Azm336.6371° ; N Plg22.3026°,Azm219.3007°; P Plg33.1961°,Azm113.7330°
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; Mrr1.95 Mθθ-0.43 Mϕϕ-1.52 Mrθ0.87 Mθϕ-0.65 Mϕr2.03 NP1:ϕs24.00000°,δ70.00000°,λ89.00000°. NP2:ϕs206.00000° ,δ20.00000°,λ92.00000°. M0 2.90000×10^{16}
JMA Event type fe. E OFF FUKUSHIMA PREF .
BGR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s60,c72; s86,c131;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr4.32±.20 Mθθ-1.17±.13; Mϕϕ-3.14±.12; Mrθ1.33±.11; Mθϕ-0.78±.09; Mϕr2.33±.11; Best double couple: NP1:ϕs25.00000°,δ62.00000°,λ94.00000°. NP2:ϕs196.00000°,δ28.00000°,λ83.00000°. Principal axes: T 5.1700,Plg72.0000° ,Azm304.0000°; N -0.9290,Plg3.0000°,Azm203.0000°; P -4.2310,Plg17.0000° ,Azm112.0000° M0 4.70100×10^{16}

(228) Near east coast of eastern Honshu
ISC III 01 12 09 04.6–1.2 35.68N–.05 141.13E–.07 33–6 3.5b 30 0-147
JMA III 01 12 09 05.5–.22 35.7N–.60 141E–1.0 35–1 3.3 **¶610545323**
IDC III 01 12 09 06.7–2.4 35.68N 140.98E 52–22 3.5,3.2b
ISC Event type ke.
JMA Event type fe. NEAR CHOSHI CITY .
IDC Error ellipse: s-maj=23.1km s-min=9.5km az=72.0.

(236) Shikoku
ISC III 02 14 53 43.1–.24 32.61N–.02 132.08E–.02 47–1 5.1b,4.7s 903 0-170
BJI III 02 14 53 38.4–.00 32.37N 132.37E 46 5.1b,5.1s **¶610243913**
MOS III 02 14 53 40.8–1.0 32.60N 131.98E 47 5.2b,4.9s
NIED III 02 14 53 42.7 32.65N 132.13E 37 5.3W,4.9s
NEIC III 02 14 53 42.9 32.62N 132.11E 30 5.3W,4.9s
IDC III 02 14 53 42.1–1.3 32.65N 131.96E 35–9 4.7,4.6s
JMA III 02 14 53 42.7–.05 32.7N–.20 132.1E–.20 37–0 5.3,5.2W
NEIC III 02 14 53 42.6–2.4 32.63N–.05 132.10E–.02 44–4 5.3,5.3b
NEIC III 02 14 53 42.9 32.62N 132.11E 30 5.3,5.3b
NEIC III 02 14 53 42.9 32.64N 132.10E 48 5.3,5.3b
GCMT III 02 14 53 43.6–.20 32.69N–.01 131.82E–.01 49–1 5.2W,5.3b
ISC Event type ke. Moment Tensor Solution. NP1:ϕs203.63588°,δ50.20742°,λ-73.12483°. NP2: ϕs358.27603°,δ42.66911°,λ-109.21373°. Principal axes: T Plg3.8627°,Azm281.7636° ; N Plg12.8881°,Azm12.6488°; P Plg76.5263°,Azm175.3953°
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; Mrr-3.73 Mθθ0.14 Mϕϕ3.59 Mrθ2.64 Mθϕ1.37 Mϕr7.92 NP1:ϕs199.00000°,δ77.00000°,λ-90.00000°. NP2:ϕs20.00000° ,δ13.00000°,λ-88.00000°. M0 9.22000×10^{16}
NEIC Event type se. Moment Tensor Solution.Duration: 2s0 Moment tensor: Scale 10^{16}Nm; Mrr-4.80 Mθθ-0.25 Mϕϕ5.05 Mrθ2.96 Mθϕ0.98 Mϕr7.48 NP1:ϕs199.97000°,δ74.26000° ,λ-84.11000°. NP2:ϕs359.15000°,δ16.78000°,λ-110.00000°. Principal axes: T 9.6175,Plg29.0000°,Azm285.0000°; N -0.2689,Plg6.0000°,Azm18.0000° ; P -9.3486,Plg60.0000°,Azm118.0000° M0 9.48000×10^{16}
JMA Event type fe. HYUGANADA REGION .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; Mrr-4.57 Mθθ-0.52 Mϕϕ5.09 Mrθ1.31 Mθϕ0.74 Mϕr3.55 NP1:ϕs195.79000°,δ64.08000°,λ-81.79000°. NP2:ϕs357.53000°,δ27.10000° ,λ-106.37000°. Principal axes: T 6.4342,Plg19.0000°,Azm280.0000°; N -0.5066,Plg7.0000° ,Azm12.0000°; P -5.9277,Plg70.0000°,Azm123.0000° M0 6.20000×10^{16}
NEIC Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s88,c137; s125,c219;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; Mrr-0.48±.02 Mθθ-0.10±.01; Mϕϕ0.58±.01; Mrθ0.24±.01; Mθϕ-0.06±.01; Mϕr0.60±.02; Best double couple: NP1:ϕs196.00000°,δ71.00000°,λ-74.00000°. NP2:ϕs334.00000°,δ25.00000°,λ-129.00000°. Principal axes: T 0.8570,Plg25.0000° ,Azm273.0000°; N -0.0270,Plg15.0000°,Azm10.0000°; P -0.8290,Plg61.0000° ,Azm129.0000° M0 0.84300×10^{17}

(236) Shikoku
ISC III 02 15 08 18.3–.56 32.58N–.04 132.12E–.03 35–2 4.0b 78 0-71
JMA III 02 15 08 18.5–.03 32.6N–.10 132.1E–.10 37–0 4.2,3.9 **¶610243919**
IDC III 02 15 08 18.3–2.0 32.56N 131.96E 35–17 3.6,3.5L
NEIC III 02 15 08 19.6–2.0 32.61N–.06 132.10E–.06 46–8 4.1b,3.5L
ISC Event type ke.
JMA Event type fe. HYUGANADA REGION .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(228) Near east coast of eastern Honshu
ISC III 03 00 36 30.3–1.3 40.15N–.04 142.31E–.09 41–11 3.6b 30 0-69
JMA III 03 00 36 29.4–.13 40.2N–.30 142.4E–.80 35–1 3.9 **¶610545416**
IDC III 03 00 36 31.7–2.7 40.17N 142.46E 64–23 3.7,3.4b
ISC Event type ke.
JMA Event type fe. NE OFF IWATE PREF .
IDC Error ellipse: s-maj=38.7km s-min=16.9km az=102.0.

(259) Mindanao
MAN III 03 03 38 56.9 9.75N 125.37E 3 4.5b,3.3L
¶616058360
MAN Event type fe. INTENSITY II - SAN FRANCISCO SOUTHERN LEYTE.

(259) Mindanao
MAN III 03 04 10 48.5 9.77N 125.34E 4 4.6b,3.5L
¶616058361
MAN Event type fe. INTENSITY III - SURIGAO CITY; SAN FRANCISCO SOUTHERN LEYTE.

(236) Shikoku
ISC III 03 06 27 14.9–.92 32.63N–.04 132.13E–.03 33–3 3.8b,3.2s 40 0-99
JMA III 03 06 27 14.9–.04 32.7N–.20 132.1E–.20 36–0 3.9,3.2s **¶610470902**
NIED III 03 06 27 14.9 32.65N 132.13E 36 4.1W,3.2s
IDC III 03 06 27 18.6–1.9 32.62N 131.91E 70–19 3.7,3.4b
ISC Event type ke.
JMA Event type fe. HYUGANADA REGION .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; Mrr-0.63 Mθθ0.09 Mϕϕ0.54 Mrθ0.83 Mθϕ0.12 Mϕr1.02 NP1:ϕs217.00000°,δ78.00000°,λ-83.00000°. NP2:ϕs4.00000° ,δ14.00000°,λ-122.00000°. M0 1.45000×10^{15}
IDC Error ellipse: s-maj=30.9km s-min=14.9km az=85.0.

(224) Hokkaido region
ISC III 03 08 27 36.2–.26 43.15N–.03 145.48E–.03 91–1 5.3b 1205 0-153
BGR III 03 08 27 31.4 42.79N 145.89E 33 5.4b,4.0s **¶610244544**
BJI III 03 08 27 33.9–.00 43.29N 145.43E 81 5.0b,5.0b
NEIC III 03 08 27 34.5–2.7 43.11N–.06 145.7E–.10 66–5 5.3b,5.1
MOS III 03 08 27 35.8–.84 43.08N 145.44E 100 5.4b,5.1
NEIC III 03 08 27 36.6 43.14N 145.47E 50 5.4b,5.1
NEIC III 03 08 27 36.6 43.14N 145.88E 50 5.4b,5.1
IDC III 03 08 27 36.4–.37 43.14N 145.39E 89–3 5.1,4.8b
NIED III 03 08 27 37.1 43.08N 145.48E 93 4.8W,4.8b
JMA III 03 08 27 37.1–.17 43.1N–.50 145.5E–.80 93–1 4.9W,4.9
SKHL III 03 08 27 37.4–.10 43.10N 145.50E 98–4 6.8s,5.4b
GCMT III 03 08 27 38.5–.30 43.22N–.02 145.38E–.03 86–4 4.9W,5.4b
ISC Event type ke. Moment Tensor Solution. NP1:ϕs190.69789°,δ10.78048°,λ36.11670°. NP2: ϕs65.06564°,δ83.67020°,λ98.74439°. Principal axes: T Plg50.5867°,Azm344.8136° ; N Plg8.6907°,Azm244.0941°; P Plg38.0732°,Azm147.2171°
BGR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Event type fe. Felt (II-III) at Yuzhno-Kuril'sk. Moment Tensor Solution.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 1s7 Moment tensor: Scale 10^{16}Nm; Mrr-3.05 Mθθ2.67 Mϕϕ0.37 Mrθ2.68 Mθϕ2.83 Mϕr0.88 NP1:ϕs249.97000°,δ64.34000° ,λ-73.90000°. NP2:ϕs36.29000°,δ29.99000°,λ-119.99000°. Principal axes: T 5.4527,Plg18.0000°,Azm328.0000°; N -1.3337,Plg14.0000°,Azm63.0000° ; P -4.1190,Plg67.0000°,Azm190.0000° M0 4.79000×10^{16}
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; Mrr-0.73 Mθθ0.62 Mϕϕ0.10 Mrθ1.84 Mθϕ0.27 Mϕr0.51 NP1:ϕs254.00000°,δ80.00000°,λ-87.00000°. NP2:ϕs60.00000° ,δ11.00000°,λ-104.00000°. M0 2.05000×10^{16}
JMA Event type fe. OFF NEMURO PENINSULA .
SKHL Event type fe. Felt (II-III) at Yushno-Kuril'sk.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s26,c26; s103,c137;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr-1.39±.14 Mθθ1.23±.17; Mϕϕ0.16±.15; Mrθ2.35±.07; Mθϕ0.70±.11; Mϕr0.65±.07; Best double couple: NP1:ϕs253.00000°,δ75.00000°,λ-84.00000°. NP2:ϕs52.00000°,δ17.00000°,λ-110.00000°. Principal axes: T 2.9260,Plg29.0000° ,Azm338.0000°; N -0.1310,Plg6.0000°,Azm72.0000°; P -2.7860,Plg60.0000°,Azm172.0000° M0 2.85600×10^{16}

(228) Near east coast of eastern Honshu
ISC III 04 04 23 27.2–1.4 37.32N–.04 141.45E–.06 30–9 3.9b 62 0-147
IDC III 04 04 23 23.4–.68 37.32N 141.49E 0 3.8,3.8b **¶610545493**
JMA III 04 04 23 25.2–.21 37.3N–.50 142E–1.0 34–2 3.9,3.8b
NEIC III 04 04 23 29.8–1.2 37.45N–.07 141.41E–.09 46–9 4.1b,3.8b
ISC Event type ke.
JMA Event type fe. E OFF FUKUSHIMA PREF .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(235) Kyushu

JMA III 04 17 16 01.5–.06 32.6N–.20 130.7E–.20 10–0 3.7
NIED III 04 17 16 01.5 32.59N 130.73E 10 3.6W ¶610470905
JMA Event type fe. SOUTHERN KUMAMOTO PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-0.17 $M_{\theta\theta}$0.70 $M_{\phi\phi}$-0.53 $M_{r\theta}$0.02 $M_{\theta\phi}$2.65 $M_{\phi r}$-0.21 NP1:ϕ_s7.00000°,δ89.00000°,λ-176.00000°. NP2:ϕ_s276.00000° ,δ86.00000°,λ-1.00000°. $M_0$2.73000×10^{14}

(259) Mindanao
ISC III 05 00 08 20.6–.34 9.78N–.02 125.45E–.02 27–2 5.6b,5.3s 1657 0-165
IDC III 05 00 08 16.4–.32 9.86N 125.29E 0 5.3,5.3b ¶610245306
MOS III 05 00 08 16.8–.86 9.81N 125.40E 18 5.9b,5.3s
BJI III 05 00 08 16.8–.00 9.67N 125.66E 30 5.6b,5.6s
NEIC III 05 00 08 17.7 9.83N 125.52E 8 5.6b,5.6s
DJA III 05 00 08 18.7–.50 10N–3.0 126E–2.0 20–3 6.3,6.1b
NEIC III 05 00 08 18.0–1.5 9.83N–.06 125.50E–.07 11–3 5.8b,5.7
MAN III 05 00 08 18.5 9.76N 125.38E 10 6.2b,5.9s
NEIC III 05 00 08 20 9.82N 125.55E 20 6.2b,5.9s
GCMT III 05 00 08 22.0–.10 9.84N–.01 125.48E–.01 20–0 5.7W,5.9s
KLM III 05 00 08 25 9.59N 125.65E 60 5.6b,5.9s
NEIC III 05 00 08 26 9.82N 125.45E 16 5.6b,5.9s
BGR III 05 00 08 50.7 14.81N 121.50E 33 5.6s,5.5b
ISC Event type fe. Moment Tensor Solution. NP1:ϕ_s41.86915°,δ77.47247°,λ-135.84419°. NP2: ϕ_s299.97595°,δ47.15425°,λ-17.20812°. Principal axes: T Plg19.1155°,Azm164.3432° ; N Plg44.4565°,Azm54.4621°; P Plg39.3628°,Azm270.8609°
IDC Error ellipse: s-maj=9.0km s-min=7.4km az=47.0.
MOS Error ellipse: s-maj=7.1km s-min=3.6km az=117.7.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=8.7km az=77.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.39 $M_{\theta\theta}$1.35 $M_{\phi\phi}$-1.74 $M_{r\theta}$-0.64 $M_{\theta\phi}$-1.86 $M_{\phi r}$-0.78 NP1:ϕ_s338.82000°,δ72.23000°,λ-5.85000°. NP2:ϕ_s70.61000°,δ84.43000° ,λ-162.14000°. Principal axes: T 2.2607,Plg8.0000°,Azm203.0000°; N 0.6471,Plg71.0000° ,Azm87.0000°; P -2.9079,Plg17.0000°,Azm296.0000° $M_0$2.64000×10^{17}
MAN Event type fe. INTENSITY VI - SURIGAO CITY; INTENSITY V - BASILISA CAGDIANAO AND SAN JOSE DINAGAT ISLANDS; MALIMONO SURIGAO DEL NORTE; INTENSITY IV - BUTUAN CITY; JABONGA AGUSAN DEL NORTE; LIBJO DINAGAT ISLANDS; ALEGRIA AND MAINIT SURIGAO DEL NORTE; LIMASAWA AND SAN RICARDO SOUTHERN LEYTE; ; INTENSITY III - GINGOOG CITY; REMEDIOS T. ROMUALDEZ AGUSAN DEL NORTE; SAN FRANCISCO AND SAN JUAN SOUTHERN LEYTE; CLAVER SURIGAO DEL NORTE; ; INTENSITY II - GENERAL LUNA SURIGAO DEL NORTE; ORMOC CITY; CAGAYAN DE ORO CITY.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s119,c213; s152,c300;Duration: 1s8 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.14±.05 $M_{\theta\theta}$3.31±.05; $M_{\phi\phi}$-3.17±.05; $M_{r\theta}$-1.75±.11; $M_{\theta\phi}$-2.48±.04; $M_{\phi r}$-1.87±.12; Best double couple: NP1:ϕ_s65.00000°,δ83.00000°,λ-151.00000°. NP2:ϕ_s331.00000°,δ61.00000°,λ-8.00000°. Principal axes: T 4.4350,Plg15.0000° ,Azm194.0000°; N 0.6950,Plg60.0000°,Azm77.0000°; P -5.1280,Plg26.0000°,Azm292.0000° $M_0$4.78100×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 12s0 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.39 $M_{\theta\theta}$3.25 $M_{\phi\phi}$-1.86 $M_{r\theta}$-0.93 $M_{\theta\phi}$-2.19 $M_{\phi r}$-1.96 NP1:ϕ_s329.00000°,δ63.00000° ,λ-26.00000°. NP2:ϕ_s71.00000°,δ67.00000°,λ-150.00000°. Principal axes: T 4.0662,Plg2.0000°,Azm200.0000°; N 0.2231,Plg53.0000°,Azm106.0000° ; P -4.2892,Plg37.0000°,Azm291.0000° $M_0$4.18000×10^{17}
BGR Event type ke.

(224) Hokkaido region
ISC III 05 00 57 33.4–.80 42.44N–.05 143.36E–.04 65–6 3.3b 49 0-65
MOS III 05 00 57 32.9–1.2 42.49N 143.23E 78 4.3b ¶610545559
SKHL III 05 00 57 33.3–.80 42.50N 143.30E 76–4 4.8b
JMA III 05 00 57 34.2–.14 42.5N–.40 143.3E–.70 55–1 3.4
IDC III 05 00 57 35.5–2.1 42.59N 143.03E 77–15 3.5,3.2b
ISC Event type ke.
MOS Error ellipse: s-maj=24.2km s-min=11.0km az=61.3.
JMA Event type fe. TOKACHI REGION .
IDC Error ellipse: s-maj=28.2km s-min=13.5km az=107.0.

(228) Near east coast of eastern Honshu
ISC III 05 01 18 54.3–.31 35.70N–.03 140.79E–.04 46–2 4.8b,4.1s 677 0-154
MOS III 05 01 18 51.9–1.1 35.68N 140.83E 39 5.1b,4.1s ¶611831965
BJI III 05 01 18 53.4–.00 35.72N 140.74E 63 5.0b,4.8b
NIED III 05 01 18 54.6 35.74N 140.72E 52 4.9W,4.8b
NEIC III 05 01 18 54.5–1.4 35.66N–.05 140.87E–.09 44–5 4.9b,4.8
NEIC III 05 01 18 54.5 35.66N 140.87E 44 4.9b,4.8
JMA III 05 01 18 54.6–.20 35.7N–.60 140.7E–.80 52–1 4.8W,4.7
IDC III 05 01 18 57.4–1.2 35.61N 140.67E 68–11 4.6,4.3b
GCMT III 05 01 18 59.3–.50 35.59N–.03 140.78E–.04 46–1 5.0W,4.3b
ISC Event type ke. Moment Tensor Solution. NP1:ϕ_s7.54232°,δ63.43056°,λ126.24526°. NP2: ϕ_s128.93059°,δ43.83626°,λ40.22582°. Principal axes: T Plg55.7234°,Azm325.4725° ; N Plg31.9246°,Azm169.3878°; P Plg11.1732°,Azm72.3189° Moment Tensor Solution. NP1: ϕ_s269.39423°,δ28.15091°,λ176.97173°. NP2:ϕ_s2.06483°,δ88.57179°,λ61.88239°. Principal axes: T Plg39.8728°,Azm246.3294°; N Plg28.1081°,Azm2.8279°; P Plg37.2891° ,Azm116.8280°
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}1.34 $M_{\theta\theta}$0.40 $M_{\phi\phi}$-1.74 $M_{r\theta}$0.35 $M_{\theta\phi}$0.06 $M_{\phi r}$1.55 NP1:ϕ_s10.00000°,δ69.00000°,λ101.00000°. NP2:ϕ_s162.00000° ,δ24.00000°,λ64.00000°. $M_0$2.22000×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}1.33 $M_{\theta\theta}$-0.18 $M_{\phi\phi}$-1.15 $M_{r\theta}$-0.09 $M_{\theta\phi}$0.07 $M_{\phi r}$1.65 NP1:ϕ_s175.69000°,δ18.52000°,λ89.02000°. NP2:ϕ_s356.72000°,δ71.48000° ,λ90.33000°. Principal axes: T 2.1496,Plg64.0000°,Azm267.0000°; N -0.1713,Plg0.0000° ,Azm177.0000°; P -1.9783,Plg26.0000°,Azm86.0000° $M_0$2.07000×10^{16}
NEIC Event type se.
JMA Event type fe. NEAR CHOSHI CITY .
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s27,c30; s62,c85;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.94±.24 $M_{\theta\theta}$0.14±.16; $M_{\phi\phi}$-3.08±.14; $M_{r\theta}$0.11±.12; $M_{\theta\phi}$-0.55±.10; $M_{\phi r}$1.33±.09; Best double couple: NP1:ϕ_s7.00000°,δ57.00000°,λ88.00000°. NP2:ϕ_s192.00000°,δ33.00000°,λ94.00000°. Principal axes: T 3.2210,Plg78.0000° ,Azm269.0000°; N 0.2250,Plg2.0000°,Azm9.0000°; P -3.4480,Plg12.0000°,Azm99.0000° $M_0$3.33400×10^{16}

(228) Near east coast of eastern Honshu
ISC III 05 01 33 09.5–.86 35.72N–.05 140.79E–.07 48–6 3.6b 26 0-75
JMA III 05 01 33 08.8–.20 35.7N–.60 140.7E–.80 51–1 3.1 ¶614149366
IDC III 05 01 33 09.8–2.0 35.72N 140.72E 49–19 3.7,3.4b
ISC Event type ke.
JMA Event type fe. NEAR CHOSHI CITY .
IDC Error ellipse: s-maj=30.3km s-min=12.2km az=85.0.

(259) Mindanao
ISC III 05 04 06 43.9–.84 9.79N–.03 125.37E–.03 16–5 4.0b,3.5s 85 0-146
NEIC III 05 04 06 43.5–1.3 9.85N–.09 125.5E–.10 10–1 4.3b,3.5s ¶610545571
MAN III 05 04 06 43.8 9.79N 125.37E 9 5.1b,4.1s
IDC III 05 04 06 51.5–2.1 9.76N 125.30E 81–21 3.9,3.6b
ISC Event type fe.
NEIC Event type se. Error ellipse: s-maj=19.8km s-min=14.1km az=69.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN Event type fe. INTENSITY IV- SURIGAO CITY; INTENSITY II - SAN RICARDO SOUTHERN LEYTE; INTENSITY I - SAN FRANCISCO SOUTHERN LEYTE AND GINGOOG CITY.
IDC Error ellipse: s-maj=27.1km s-min=13.0km az=72.0.

(228) Near east coast of eastern Honshu
ISC III 05 04 18 25.7–.89 35.70N–.03 141.02E–.05 28–6 3.9b,3.4s 69 0-147
IDC III 05 04 18 21.7–.69 35.60N 140.99E 0 3.9,3.8b ¶614149508
JMA III 05 04 18 25.0–.23 35.8N–.60 141E–1.0 26–1 3.9,3.8b
NIED III 05 04 18 25.0 35.79N 141.07E 26 4.0W,3.8b
NEIC III 05 04 18 25.8–1.8 35.67N–.06 141.2E–.10 33–8 4.1b,3.8b
ISC Event type ke.
JMA Event type fe. NEAR CHOSHI CITY .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.60 $M_{\theta\theta}$0.16 $M_{\phi\phi}$0.44 $M_{r\theta}$1.16 $M_{\theta\phi}$-0.27 $M_{\phi r}$0.27 NP1:ϕ_s267.00000°,δ81.00000°,λ-103.00000°. NP2:ϕ_s142.00000° ,δ16.00000°,λ-36.00000°. $M_0$1.26000×10^{15}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(228) Near east coast of eastern Honshu
ISC III 05 10 04 44.8–.75 37.22N–.03 141.33E–.05 31–4 4.5b,3.6s 228 0-147
IDC III 05 10 04 39.9–.50 37.15N 141.41E 0 4.2,4.2b ¶610245381
NEIC III 05 10 04 43.0–1.8 37.24N–.04 141.34E–.03 14–4 4.6b,4.2b
JMA III 05 10 04 42.2–.17 37.2N–.30 141.4E–.90 29–1 4.6,4.2W
NIED III 05 10 04 42.2 37.19N 141.43E 29 4.2W,4.2W
MOS III 05 10 04 44.0–1.3 37.18N 141.42E 38 4.7b,4.2W
ISC Event type ke.
IDC Error ellipse: s-maj=14.8km s-min=11.9km az=113.0.
NEIC Event type se. Error ellipse: s-maj=5.2km s-min=3.0km az=167.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. E OFF FUKUSHIMA PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-1.90 $M_{\theta\theta}$1.10 $M_{\phi\phi}$0.80 $M_{r\theta}$1.09 $M_{\theta\phi}$0.99 $M_{\phi r}$1.17 NP1:ϕ_s225.00000°,δ65.00000°,λ-94.00000°. NP2:ϕ_s54.00000° ,δ25.00000°,λ-82.00000°. $M_0$2.50000×10^{15}
MOS Error ellipse: s-maj=9.6km s-min=6.2km az=100.7.

(235) Kyushu
ISC III 05 20 26 10.7–.66 32.55N–.03 130.69E–.05 10 3.3b 25 0-72
JMA III 05 20 26 09.2–.05 32.6N–.10 130.7E–.20 10–0 4.1,3.9 ¶610245806
NIED III 05 20 26 09.2 32.57N 130.70E 10 3.9W,3.9
IDC III 05 20 26 10.3–1.2 32.66N 130.59E 0 3.5,3.5b
ISC Event type ke.
JMA Event type fe. SOUTHERN KUMAMOTO PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}1.27 $M_{\theta\theta}$2.02 $M_{\phi\phi}$-3.29 $M_{r\theta}$-1.33 $M_{\theta\phi}$7.35 $M_{\phi r}$-0.14 NP1:ϕ_s280.00000°,δ85.00000°,λ10.00000°. NP2:ϕ_s190.00000° ,δ80.00000°,λ175.00000°. $M_0$7.95000×10^{14}
IDC Error ellipse: s-maj=20.8km s-min=9.0km az=124.0.

(259) Mindanao
ISC III 05 21 17 37.3–.90 9.82N–.04 125.44E–.05 19–3 3.7b,3.1s 46 0-146
IDC III 05 21 17 34.1–.75 9.90N 125.58E 0 3.8,3.8b ¶610545611
MAN III 05 21 17 37.0 9.75N 125.32E 3 4.9b,3.8L
ISC Event type fe.
IDC Error ellipse: s-maj=34.2km s-min=13.0km az=76.0.
MAN Event type fe. INTENSITY II - SURIGAO CITY SURIGAO DEL NORTE.

(337) Eastern Caucasus
ISC III 06 01 26 22.9–.88 43.42N–.02 45.75E–.01 10–5 4.4b,3.8s 674 0-78
IDC III 06 01 26 21.6–.45 43.28N 45.64E 0 4.3,4.2b ¶610472641
NEIC III 06 01 26 21.8–1.7 43.36N–.05 45.81E–.08 10–1 4.5b,4.2b
TIF III 06 01 26 21.4 43.42N 45.73E 13–1 4.5b,4.2b
MCSM III 06 01 26 22.8–1.3 44N–3.0 46E–13 11–2 4.3b,4.2b
MOS III 06 01 26 22.6–.00 43.26N 45.74E 14–0 4.8,4.2b
NORS III 06 01 26 22.6–.00 43.29N 45.82E 15–0 5.3,4.2b
AZER III 06 01 26 24.3–.94 43.36N 45.37E 10 5.3,4.2b
DRS III 06 01 26 26.6–.00 43.35N 45.66E 20 5.3,4.2b
NNC III 06 01 26 30.9–2.9 43.53N 46.83E 0 4.5b,4.2b
ISC Event type se.
IDC Error ellipse: s-maj=7.6km s-min=5.9km az=160.0.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=8.7km az=116.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Event type se.
NORS Event type se.
AZER Error ellipse: s-maj=8.7km s-min=7.6km az=37.0.
DRS Event type se. FELT I=VI MSK at Berkat-Yurt, Sadovoe, Tolstoy-Yurt; I=V-VI MSK at Grozny, Argun, Petropavlovskaya, Prigorodnoye; FELT I=V MSK at Gudermes, Pervomaiskaya, Raduzhnoe, Djalka, Atagi, Urus-Martan.
NNC Event type se. Error ellipse: s-maj=32.5km s-min=15.7km az=85.0.

(228) Near east coast of eastern Honshu
ISC III 06 04 54 35.0–1.3 37.67N–.04 141.61E–.07 45–11 3.7b 40 1-90
JMA III 06 04 54 35.4–.08 37.7N–.20 141.6E–.50 48–1 4.0,3.7 ¶610545623
IDC III 06 04 54 38.1–4.6 37.57N 141.49E 78–40 3.8,3.4b
ISC Event type ke.
JMA Event type fe. E OFF FUKUSHIMA PREF .
IDC Error ellipse: s-maj=38.2km s-min=17.7km az=59.0.

(228) Near east coast of eastern Honshu
ISC III 06 15 39 55.5–1.1 38.91N–.05 141.99E–.09 49–8 3.8b 30 0-67
JMA III 06 15 39 55.7–.10 38.9N–.30 141.9E–.60 51–0 3.6 ¶610470920
NIED III 06 15 39 55.7 38.93N 141.93E 51 3.7W
IDC III 06 15 39 57.4–2.1 38.94N 142.07E 75–18 3.6,3.3b
ISC Event type ke.
JMA Event type fe. KINKAZAN REGION .
NIED Moment Tensor Solution. s2 Moment tensor: Scale 10^{14}Nm; M_{rr}4.10 $M_{\theta\theta}$-0.47 $M_{\phi\phi}$-3.63 $M_{r\theta}$0.83 $M_{\theta\phi}$-0.11 $M_{\phi r}$1.60 NP1:ϕ_s11.00000°,δ57.00000°,λ99.00000°. NP2:ϕ_s174.00000° ,δ34.00000°,λ76.00000°. $M_0$4.26000×10^{14}
IDC Error ellipse: s-maj=24.9km s-min=11.1km az=114.0.

(229) Off east coast of Honshu
ISC III 06 16 17 21.9–.42 39.89N–.04 143.29E–.04 10 4.6b,4.0s 225 1-95
IDC III 06 16 17 20.6–.59 39.87N 143.31E 0 4.1,4.1b ¶610246848
NIED III 06 16 17 22.8 39.97N 143.21E 13 4.4W,4.1b
JMA III 06 16 17 22.8–.33 40.0N–.60 143E–1.0 13–2 4.6,4.4
MOS III 06 16 17 23.3–.78 39.92N 143.22E 27 4.7b,4.4
BJI III 06 16 17 23.2–.00 39.82N 143.21E 32 4.8b,4.5b
NEIC III 06 16 17 25.8–.94 39.87N–.06 143.2E–.10 32–6 4.6b,4.5b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}2.53 $M_{\theta\theta}$0.41 $M_{\phi\phi}$-2.93 $M_{r\theta}$1.81 $M_{\theta\phi}$-1.10 $M_{\phi r}$3.13 NP1:ϕ_s28.00000°,δ71.00000°,λ100.00000°. NP2:ϕ_s181.00000° ,δ21.00000°,λ64.00000°. $M_0$4.65000×10^{15}
JMA Event type fe. FAR E OFF SANRIKU .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(224) Hokkaido region
ISC III 07 09 45 54.4–.94 42.39N–.06 144.82E–.04 46–9 3.9b,3.3s 92 1-99
MOS III 07 09 45 52.7–1.2 42.27N 144.88E 51 4.6b,3.3s ¶610470927
NEIC III 07 09 45 53.5–2.7 42.37N–.05 145.1E–.20 50–9 4.1b,3.3s
JMA III 07 09 45 54.5–.07 42.4N–.20 144.8E–.40 44–0 4.3,4.2
IDC III 07 09 45 54.1–2.3 42.34N 144.88E 42–19 3.9,3.7b
NIED III 07 09 45 54.5 42.40N 144.79E 44 4.0W,3.7b
SKHL III 07 09 45 55.0–.20 42.40N 144.80E 66–3 5.2b,3.7b
ISC Event type ke.
MOS Error ellipse: s-maj=12.5km s-min=7.0km az=80.5.
NEIC Event type se. Error ellipse: s-maj=19.9km s-min=6.2km az=100.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. SE OFF TOKACHI .
IDC Error ellipse: s-maj=17.4km s-min=12.6km az=94.0.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.67 $M_{\theta\theta}$0.89 $M_{\phi\phi}$-0.22 $M_{r\theta}$0.93 $M_{\theta\phi}$-0.34 $M_{\phi r}$0.32 NP1:ϕ_s259.00000°,δ73.00000°,λ-115.00000°. NP2:ϕ_s135.00000° ,δ30.00000°,λ-37.00000°. $M_0$1.31000×10^{15}

(224) Hokkaido region
ISC III 07 16 08 19.1–.26 41.49N–.03 141.99E–.03 61–1 5.1b 1056 1-153
BJI III 07 16 08 15.0–.00 41.43N 142.31E 65 5.6b,5.3s ¶616203825
MOS III 07 16 08 17.5–.96 41.50N 141.92E 59 5.3s,5.2b
NEIC III 07 16 08 18 41.51N 141.97E 54 5.3s,5.2b
BGR III 07 16 08 19.2 42.56N 143.78E 33 5.3s,5.1b
JMA III 07 16 08 19.0–.14 41.5N–.50 142.0E–.70 65–2 5.7W,5.2
IDC III 07 16 08 19.9–1.6 41.47N 141.91E 68–14 4.9s,4.7
NIED III 07 16 08 19.0 41.48N 141.98E 65 5.6W,4.7
NEIC III 07 16 08 19.0–1.1 41.52N–.05 141.90E–.10 56–1 5.7,5.7
NEIC III 07 16 08 19 41.53N 141.90E 55 5.7,5.7
NEIC III 07 16 08 19 41.53N 141.90E 55 5.7,5.7
GCMT III 07 16 08 22.0–.10 41.49N–.01 142.16E–.01 55–0 5.7W,5.7
NEIC III 07 16 08 26 41.41N 142.24E 60 5.7W,5.7
ISC Event type ke. Moment Tensor Solution. NP1:ϕ_s219.12885°,δ83.99121°,λ-117.47221°. NP2: ϕ_s117.74573°,δ28.07162°,λ-12.85318°. Principal axes: T Plg33.3603°,Azm332.1178° ; N Plg27.3087°,Azm222.2443°; P Plg44.2622°,Azm102.0323° Moment Tensor Solution. NP1:ϕ_s347.04108°,δ84.96965°,λ66.56986°. NP2:ϕ_s245.60271°,δ23.93426°,λ167.51787°. Principal axes: T Plg45.0972°,Azm233.5687°; N Plg23.3345°,Azm349.2172°; P Plg35.7537° ,Azm97.3122°
MOS Error ellipse: s-maj=5.2km s-min=3.7km az=108.0.
NEIC Event type se.

BGR Event type ke.
JMA Event type fe. E OFF AOMORI PREF .
IDC Error ellipse: s-maj=11.5km s-min=9.8km az=122.0.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{17}Nm; Mrr1.66 Mθθ-0.17 Mφφ-1.49 Mrθ1.13 Mθφ-0.33 Mφr2.50 NP1:φs23.00000°,δ75.00000°,λ95.00000°. NP2:φs186.00000° ,δ16.00000°,λ74.00000°. M0 3.18000×10^{17}
NEIC Event type se. Error ellipse: s-maj=13.0km s-min=8.2km az=115.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; Mrr1.55 Mθθ-0.02 Mφφ-1.53 Mrθ0.06 Mθφ-0.77 Mφr2.15 NP1:φs222.20000°,δ22.45000°,λ124.32000°. NP2:φs5.75000°,δ71.62000° ,λ76.89000°. Principal axes: T 2.6824,Plg61.0000°,Azm256.0000°; N 0.1321,Plg12.0000° ,Azm10.0000°; P -2.8145,Plg26.0000°,Azm106.0000° M0 2.75000×10^{17} Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; Mrr3.89 Mθθ0.14 Mφφ-4.02 Mrθ1.18 Mθφ-0.48 Mφr2.74 NP1:φs176.11000°,δ27.98000°,λ71.81000°. NP2:φs16.51000°,δ63.53000° ,λ99.41000°. Principal axes: T 4.9447,Plg70.0000°,Azm306.0000°; N 0.0614,Plg8.0000° ,Azm192.0000°; P -5.0061,Plg18.0000°,Azm100.0000° M0 4.98000×10^{17}
NEIC Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s146,c279; s158,c329;Duration: 1s7 Moment tensor: Scale 10^{17}Nm; Mrr3.56±.06 Mθθ-0.43±.04; Mφφ-3.13±.04; Mrθ1.23±.04; Mθφ-1.27±.04; Mφr2.32±.04; Best double couple: NP1:φs25.00000°,δ63.00000°,λ93.00000°. NP2:φs198.00000°,δ27.00000°,λ83.00000°. Principal axes: T 4.4250,Plg72.0000° ,Azm303.0000°; N 0.0580,Plg3.0000°,Azm204.0000°; P -4.4820,Plg18.0000°,Azm113.0000° M0 4.45300×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 16s0 Moment tensor: Scale 10^{17}Nm; Mrr3.56 Mθθ-0.56 Mφφ-3.00 Mrθ0.99 Mθφ-1.47 Mφr1.57 NP1:φs202.00000°,δ32.00000° ,λ84.00000°. NP2:φs28.00000°,δ59.00000°,λ94.00000°. Principal axes: T 4.0112,Plg76.0000°,Azm309.0000°; N 0.1146,Plg3.0000°,Azm207.0000° ; P -4.1258,Plg13.0000°,Azm116.0000° M0 4.07000×10^{17}

(229) Off east coast of Honshu

ISC	**III**	**07 19 51 54.0–.46**	**39.84N–.04**	**143.18E–.04**	**27–2**	**4.8b,4.2s**	**469**	**1-95**
MOS	III	07 19 51 50.7–.94	39.86N	143.17E	15	5.0b,4.3s		¶611831984
NIED	III	07 19 51 51.6	39.95N	143.23E	16	4.6W,4.3s		
JMA	III	07 19 51 51.6–.23	40.0N–.50	143.2E–.90	16–2	4.7W,4.6		
BJI	III	07 19 51 53.2–.00	39.79N	142.95E	27	4.9b,4.8b		
BGR	III	07 19 51 54.5	39.63N	143.70E	33	4.8b,4.2s		
NEIC	III	07 19 51 54.5–1.4	39.85N–.06	143.1E–.10	27–5	4.7b,4.2s		
IDC	III	07 19 51 56.0–2.7	39.89N	143.15E	36–21	4.4,4.2b		

ISC Event type ke. Moment Tensor Solution. NP1:φs157.42578°,δ38.76701°,λ19.97400°. NP2: φs51.60377°,δ77.64955°,λ127.04428°. Principal axes: T Plg44.6339°,Azm358.3748° ; N Plg36.0500°,Azm222.4332°; P Plg23.5836°,Azm113.9061°
MOS Error ellipse: s-maj=6.2km s-min=3.8km az=107.0.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; Mrr3.94 Mθθ0.80 Mφφ-4.74 Mrθ3.54 Mθφ-2.08 Mφr6.19 NP1:φs29.00000°,δ74.00000°,λ98.00000°. NP2:φs182.00000° ,δ18.00000°,λ64.00000°. M0 8.56000×10^{15}
JMA Event type fe. FAR E OFF SANRIKU .
BGR Event type ke.
NEIC Event type se. Error ellipse: s-maj=12.6km s-min=6.7km az=116.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=15.5km s-min=11.1km az=109.0.

(243) Taiwan region

ISC	**III**	**07 22 10 51.1–.37**	**24.32N–.02**	**122.16E–.02**	**55–3**	**4.8b,3.8s**	**933**	**0-148**
BJI	III	07 22 10 49.1–.00	24.41N	121.95E	12	4.6b,4.6b		¶610273072
MOS	III	07 22 10 50.6–.79	24.38N	122.26E	66	5.0b,4.6b		
NEIC	III	07 22 10 51.8–1.4	24.31N–.05	122.18E–.04	58–5	4.9b,4.6		
NEIC	III	07 22 10 51.8	24.31N	122.18E	58	4.9b,4.6		
NIED	III	07 22 10 51.4	24.27N	122.14E	60	4.6W,4.6		
JMA	III	07 22 10 51.4–.14	24.3N–.70	122.1E–.30	60–1	4.8,4.7		
TAP	III	07 22 10 51.6	24.31N	122.10E	60–0	5.3L,4.7		
ASIES	III	07 22 10 51.6	24.31N	122.10E	60	5.3L,4.6W		
IDC	III	07 22 10 52.7–1.7	24.45N	122.26E	66–15	4.6,4.3b		

ISC Event type ke. Moment Tensor Solution. NP1:φs44.65169°,δ81.67613°,λ121.90985°. NP2: φs147.73994°,δ32.86639°,λ15.47186°. Principal axes: T Plg44.1303°,Azm346.0336° ; N Plg31.5348°,Azm219.5007°; P Plg29.4431°,Azm109.2349°
MOS Error ellipse: s-maj=7.3km s-min=4.3km az=118.8.
NEIC Event type se. Error ellipse: s-maj=7.5km s-min=5.1km az=187.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; Mrr0.66 Mθθ-0.05 Mφφ-0.61 Mrθ0.60 Mθφ-0.27 Mφr0.50 NP1:φs183.20000°,δ24.83000°,λ53.67000°. NP2:φs42.22000°,δ70.23000° ,λ105.33000°. Principal axes: T 1.0624,Plg62.0000°,Azm335.0000°; N -0.0391,Plg14.0000° ,Azm217.0000°; P -1.0233,Plg24.0000°,Azm120.0000° M0 1.04000×10^{16}
NEIC Event type se.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; Mrr0.79 Mθθ-0.33 Mφφ-0.46 Mrθ0.70 Mθφ-0.21 Mφr0.35 NP1:φs56.00000°,δ69.00000°,λ99.00000°. NP2:φs212.00000° ,δ22.00000°,λ68.00000°. M0 1.04000×10^{16}
JMA Event type fe. TAIWAN REGION .
TAP B.
ASIES Moment Tensor Solution. Moment tensor: Scale 10^{22}Nm; Mrr5.91 Mθθ-1.56 Mφφ-4.36 Mrθ5.74 Mθφ-1.05 Mφr6.60 NP1:φs37.22000°,δ74.74000°,λ96.67000°. NP2:φs193.27000°,δ16.62000° ,λ66.95000°. Principal axes: T Plg59.7310°,Azm316.5860°; N Plg6.4300°,Azm215.4520° ; P Plg29.4370°,Azm121.8060° M0 10.28960×10^{22}
IDC Error ellipse: s-maj=12.8km s-min=9.5km az=57.0.

(224) Hokkaido region

ISC	**III**	**08 01 55 15.3–.68**	**41.91N–.04**	**142.35E–.03**	**71–5**	**4.2b**	**148**	**0-82**
MOS	III	08 01 55 14.9–1.3	41.98N	142.44E	83	4.1b		¶610273087
JMA	III	08 01 55 14.5–.24	41.9N–.90	142.3E–.90	71–3	3.8		
NEIC	III	08 01 55 14.7–1.1	41.89N–.06	142.34E–.07	67–7	4.3b		
IDC	III	08 01 55 16.7–1.7	42.05N	142.29E	79–13	4.3s,3.9		

ISC Event type ke.
MOS Error ellipse: s-maj=8.5km s-min=6.9km az=101.2.
JMA Event type fe. S OFF URAKAWA .
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=5.7km az=134.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=17.3km s-min=11.5km az=126.0.

(224) Hokkaido region

ISC	**III**	**08 13 50 50.4–.91**	**42.83N–.06**	**144.99E–.03**	**48–6**	**3.5b**	**52**	**0-69**
SKHL	III	08 13 50 49.1–.10	42.70N	145.00E	61–4	4.7b		¶610545811
MOS	III	08 13 50 49.2–1.7	42.80N	144.87E	55	4.4b		
JMA	III	08 13 50 50.5–.12	42.9N–.50	144.9E–.50	51–1	3.3		
IDC	III	08 13 50 54.6–3.3	42.97N	144.77E	81–24	3.6,3.3b		

ISC Event type ke.
MOS Error ellipse: s-maj=18.0km s-min=10.8km az=83.1.
JMA Event type fe. OFF NEMURO PENINSULA .
IDC Error ellipse: s-maj=30.6km s-min=23.6km az=3.0.

(224) Hokkaido region

ISC	**III**	**10 00 49 53.4–1.2**	**43.94N–.07**	**145.07E–.07**	**16–6**		**17**	**0-2**
NIED	III	10 00 49 54.5	43.96N	145.00E	5	3.5W		¶610470937
JMA	III	10 00 49 54.5–.06	44.0N–.30	145.0E–.40	5–2	3.5		
SKHL	III	10 00 49 54.5–.10	44.00N	145.10E	15–2	4.5b		

ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; Mrr1.27 Mθθ-0.79 Mφφ-0.49 Mrθ-0.22 Mθφ-1.15 Mφr0.54 NP1:φs24.00000°,δ55.00000°,λ55.00000°. NP2:φs254.00000° ,δ48.00000°,λ129.00000°. M0 1.69000×10^{14}
JMA Event type fe. SHIRETOKO PENINSULA REG .

(224) Hokkaido region

ISC	**III**	**10 02 23 05.5–.75**	**43.96N–.03**	**145.08E–.03**	**13–4**	**3.5b**	**44**	**0-84**
IDC	III	10 02 23 03.9–.88	43.99N	145.13E	0	3.5,3.4b		¶610316993
MOS	III	10 02 23 04.7–.76	43.94N	145.06E	17	4.2b,3.4b		
JMA	III	10 02 23 05.4–.08	44.0N–.30	145.0E–.40	6–2	3.4,3.4b		
SKHL	III	10 02 23 05.2–.10	44.00N	145.00E	17–3	4.6b,3.4b		

ISC Event type ke.
IDC Error ellipse: s-maj=28.2km s-min=19.9km az=130.0.
MOS Error ellipse: s-maj=14.6km s-min=11.5km az=70.8.
JMA Event type fe. SHIRETOKO PENINSULA REG .

(229) Off east coast of Honshu

ISC	**III**	**10 05 24 52.3–.53**	**39.89N–.04**	**143.14E–.05**	**25–2**	**4.7b,4.0s**	**335**	**1-95**
JMA	III	10 05 24 49.5–.31	39.9N–.60	143E–1.0	16–2	4.6,4.4W		¶610316864
NIED	III	10 05 24 49.5	39.94N	143.24E	16	4.4W,4.4W		
BJI	III	10 05 24 49.5–.00	39.78N	143.08E	21	4.7b,4.6b		
MOS	III	10 05 24 49.6–.93	39.87N	143.19E	20	4.8b,4.0s		
NEIC	III	10 05 24 52.9–1.1	39.86N–.05	143.08E–.09	24–5	4.7b,4.4		
IDC	III	10 05 24 53.8–.71	39.84N	143.12E	34–4	4.4,4.2b		
NEIC	III	10 05 24 54.6	39.88N	143.03E	35	4.4,4.2b		

ISC Event type ke.
JMA Event type fe. FAR E OFF SANRIKU .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; Mrr1.93 Mθθ0.48 Mφφ-2.41 Mrθ1.97 Mθφ-1.00 Mφr3.73 NP1:φs28.00000°,δ76.00000°,λ97.00000°. NP2:φs180.00000° ,δ16.00000°,λ63.00000°. M0 4.83000×10^{15}
MOS Error ellipse: s-maj=7.1km s-min=4.1km az=110.6.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=7.5km az=110.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; Mrr0.65 Mθθ-2.77 Mφφ2.12 Mrθ1.43 Mθφ-1.55 Mφr2.90 NP1:φs31.94000°,δ84.21000°,λ48.59000°. NP2:φs295.41000°,δ41.74000° ,λ171.28000°. Principal axes: T 4.3906,Plg37.0000°,Azm266.0000°; N -0.0309,Plg41.0000° ,Azm37.0000°; P -4.3598,Plg27.0000°,Azm154.0000° M0 4.38000×10^{15}
IDC Error ellipse: s-maj=14.1km s-min=11.8km az=119.0.
NEIC Event type se.

(228) Near east coast of eastern Honshu

ISC	**III**	**10 07 15 46.1–1.1**	**38.18N–.05**	**141.86E–.08**	**51–9**	**3.8b**	**51**	**0-146**
JMA	III	10 07 15 46.7–.08	38.2N–.20	141.8E–.40	55–0	4.0,3.8		¶614153813
NIED	III	10 07 15 46.7	38.21N	141.76E	55	3.9W,3.8		
IDC	III	10 07 15 49.6–2.5	38.17N	141.67E	86–24	3.8,3.5b		

ISC Event type ke.
JMA Event type fe. E OFF MIYAGI PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; Mrr3.91 Mθθ-0.19 Mφφ-3.72 Mrθ1.57 Mθφ-2.39 Mφr-2.78 NP1:φs180.00000°,δ63.00000°,λ59.00000°. NP2:φs52.00000° ,δ41.00000°,λ135.00000°. M0 5.51000×10^{14}
IDC Error ellipse: s-maj=23.9km s-min=14.6km az=99.0.

(228) Near east coast of eastern Honshu

ISC	**III**	**10 07 57 37.5–1.7**	**37.18N–.04**	**141.39E–.06**	**7–10**	**3.9s,3.6b**	**41**	**0-147**
IDC	III	10 07 57 36.6–.99	37.15N	141.31E	0	3.8s,3.6		¶610470940
JMA	III	10 07 57 38.2–.18	37.2N–.30	141.4E–.90	27–1	3.9,3.6		
NIED	III	10 07 57 38.2	37.18N	141.42E	27	3.8W,3.6		

ISC Event type ke.
IDC Error ellipse: s-maj=21.7km s-min=15.9km az=145.0.
JMA Event type fe. E OFF FUKUSHIMA PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; Mrr0.35 Mθθ0.62 Mφφ-0.97 Mrθ-0.09 Mθφ3.58 Mφr3.50 NP1:φs4.00000°,δ88.00000°,λ136.00000°. NP2:φs95.00000° ,δ46.00000°,λ2.00000°. M0 5.06000×10^{14}

(95) Windward Islands

ISC	**III**	**10 20 19 31.4–.50**	**11.20N–.03**	**60.89W–.04**	**48–4**	**4.3b,3.3s**	**191**	**0-163**
FUNV	III	10 20 19 30.0	11.09N	60.86W	5	4.1W,3.3s		¶610323122
IDC	III	10 20 19 31.4–.65	11.26N	61.01W	48–5	4.0,3.8b		
NEIC	III	10 20 19 31.1–2.0	11.16N–.06	60.74W–.03	39–8	4.4b,3.8b		
TRN	III	10 20 19 31.7	11.26N	60.82W	41	4.0,3.8b		

ISC Event type se.
IDC Error ellipse: s-maj=14.7km s-min=13.1km az=102.0.
NEIC Event type se. Error ellipse: s-maj=8.9km s-min=4.3km az=189.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TRN Event type fe. Felt MMI IV, Tobago.

(228) Near east coast of eastern Honshu

ISC	**III**	**10 22 04 30.7–1.7**	**37.11N–.03**	**141.36E–.06**	**6–10**	**3.6b**	**44**	**0-147**
IDC	III	10 22 04 29.6–.79	37.08N	141.39E	0	3.6b,3.5		¶610470942
JMA	III	10 22 04 32.0–.16	37.2N–.30	141.3E–.80	26–1	3.9,3.5		
NIED	III	10 22 04 32.0	37.16N	141.35E	26	3.7W,3.5		

ISC Event type ke.
IDC Error ellipse: s-maj=18.9km s-min=16.0km az=106.0.
JMA Event type fe. E OFF FUKUSHIMA PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; Mrr-2.81 Mθθ0.26 Mφφ2.56 Mrθ0.35 Mθφ1.78 Mφr2.06 NP1:φs196.00000°,δ62.00000°,λ-104.00000°. NP2:φs44.00000° ,δ31.00000°,λ-66.00000°. M0 3.82000×10^{14}

(235) Kyushu

ISC	**III**	**11 12 10 25.8–1.1**	**31.38N–.03**	**130.61E–.03**	**4–9**		**23**	**0-73**
IDC	III	11 12 10 25.1–1.8	31.40N	130.56E	0	3.1,3.0b		¶610326220
JMA	III	11 12 10 25.6–.05	31.4N–.10	130.6E–.20	10–1	3.9,3.0b		
NIED	III	11 12 10 25.6	31.38N	130.62E	10	3.8W,3.0b		

ISC Event type ke.
IDC Error ellipse: s-maj=40.4km s-min=15.5km az=105.0.
JMA Event type fe. SATSUMA PENINSULA REGION.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; Mrr-1.09 Mθθ-0.18 Mφφ1.27 Mrθ1.09 Mθφ5.69 Mφr1.75 NP1:φs356.00000°,δ84.00000°,λ166.00000°. NP2:φs87.00000° ,δ76.00000°,λ7.00000°. M0 6.01000×10^{14}

(259) Mindanao

ISC	**III**	**11 13 32 07.1–1.2**	**9.97N–.03**	**125.49E–.04**	**13–9**	**3.3b**	**34**	**0-52**
IDC	III	11 13 32 05.8–3.2	9.97N	125.65E	0	3.3,3.3b		¶610546018
MAN	III	11 13 32 08.6	9.84N	125.33E	10	4.4b,3.2L		

ISC Event type fe.
IDC Error ellipse: s-maj=259.8km s-min=29.3km az=65.0.
MAN Event type fe. INTENSITY II - SURIGAO CITY.

(235) Kyushu

ISC	**III**	**11 18 48 41.3–.19**	**31.00N–.02**	**130.38E–.02**	**146–1**	**5.5b**	**1887**	**0-176**
BJI	III	11 18 48 35.8–.00	30.73N	130.79E	141	5.4b,5.3b		¶614155284
MOS	III	11 18 48 40.4–1.0	31.03N	130.39E	150	5.7b,4.0s		
IDC	III	11 18 48 41.1–.35	31.00N	130.35E	142–2	5.3,4.9b		
NEIC	III	11 18 48 41.0–1.9	31.00N–.04	130.39E–.07	138–3	5.5b,5.4		
NEIC	III	11 18 48 41.4	31.03N	130.38E	140	5.5b,5.4		
NEIC	III	11 18 48 41.1	30.99N	130.40E	140	5.5b,5.4		
NEIC	III	11 18 48 41.4	30.93N	130.62E	140	5.5b,5.4		
JMA	III	11 18 48 42.2–.12	31.0N–.30	130.4E–.60	136–1	5.3W,5.1		
NIED	III	11 18 48 42.2	30.99N	130.42E	136	5.3W,5.1		
GCMT	III	11 18 48 43.0–.10	31.03N–.01	130.37E–.01	146–1	5.4W,5.1		
BGR	III	11 18 48 44.9	31.67N	131.34E	151–1	6.1b,5.1		

ISC Event type ke. Moment Tensor Solution. NP1:φs223.61404°,δ18.33678°,λ88.48878°. NP2: φs45.20607°,δ71.66983°,λ90.50079°. Principal axes: T Plg63.3269°,Azm315.9949° ; N Plg0.4754°,Azm225.0486°; P Plg26.6682°,Azm134.8098°
MOS Error ellipse: s-maj=5.5km s-min=3.3km az=112.2.
IDC Error ellipse: s-maj=7.8km s-min=5.8km az=93.0.
NEIC Event type se. Error ellipse: s-maj=8.8km s-min=6.4km az=97.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; Mrr0.92 Mθθ-0.05 Mφφ-0.87 Mrθ0.39 Mθφ-0.59 Mφr1.26 NP1:φs220.92000°,δ20.44000°,λ110.95000°. NP2:φs18.70000°,δ70.96000° ,λ82.41000°. Principal axes: T 1.5726,Plg63.0000°,Azm277.0000°; N 0.2293,Plg7.0000° ,Azm21.0000°; P -1.8019,Plg26.0000°,Azm115.0000° M0 1.70000×10^{17}
NEIC Event type se.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2s3 Moment tensor: Scale 10^{17}Nm; Mrr0.77 Mθθ-0.24 Mφφ-0.54 Mrθ0.44 Mθφ-0.34 Mφr0.69 NP1:φs32.98000°,δ68.38000° ,λ89.87000°. NP2:φs213.32000°,δ21.62000°,λ90.32000°. Principal axes: T 1.1276,Plg67.0000°,Azm303.0000°; N -0.0153,Plg0.0000°,Azm33.0000° ; P -1.1124,Plg23.0000°,Azm123.0000° M0 1.12000×10^{17}
JMA Event type fe. NEAR TANEGASHIMA ISLAND .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{17}Nm; Mrr0.57 Mθθ-0.12 Mφφ-0.45 Mrθ0.56 Mθφ-0.29 Mφr0.77 NP1:φs35.00000°,δ74.00000°,λ93.00000°. NP2:φs204.00000° ,δ16.00000°,λ79.00000°. M0 1.12000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s112,c172; s145,c258;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; Mrr0.69±.02 Mθθ-0.26±.03; Mφφ-0.42±.03; Mrθ0.69±.02; Mθφ-0.31±.03; Mφr1.10±.02; Best double couple: NP1:φs33.00000°,δ76.00000°,λ88.00000°. NP2:φs222.00000°,δ14.00000°,λ99.00000°. Principal axes: T 1.4780,Plg59.0000° ,Azm300.0000°; N -0.0280,Plg2.0000°,Azm33.0000°; P -1.4500,Plg31.0000°,Azm125.0000° M0 1.46400×10^{17}
BGR Event type ke.

(228) Near east coast of eastern Honshu

ISC	**III**	**11 19 57 47.8–.24**	**37.51N–.02**	**141.52E–.03**	**48–1**	**5.5b,4.7s**	**1802**	**1-161**

MOS III 11 19 57 45.2–.89 37.58N 141.50E 35 5.8b,5.0s ¶610325491
BJI III 11 19 57 45.5–.00 37.55N 141.48E 52 5.3b,5.1b
NEIC III 11 19 57 46.5 37.63N 141.32E 50 5.3b,5.1b
NEIC III 11 19 57 46.5 37.53N 141.57E 50 5.3b,5.1b
NIED III 11 19 57 47.6 37.51N 141.54E 46 5.3W,5.1b
JMA III 11 19 57 47.6–.10 37.5N–.30 141.5E–.70 46–1 5.4,5.3W
NEIC III 11 19 57 48.1–1.5 37.53N–.05 141.51E–.07 44–4 5.5b,5.3
IDC III 11 19 57 48.8–1.3 37.59N 141.41E 54–11 5.2,5.0b
NEIC III 11 19 57 48.4 37.54N 141.47E 46 5.2,5.0b
GCMT III 11 19 57 50.1–.10 37.56N–.01 141.62E–.01 48–0 5.3W,5.0b
BGR III 11 19 57 51.1 38.08N 142.43E 51–1 5.6b,4.9s
ISC Event type ke. Moment Tensor Solution. NP1:ϕ_s43.68659°,δ58.15051°,λ75.92558°. NP2: ϕ_s249.09923°,δ34.51906°,λ111.37821°. Principal axes: T Plg72.8906°,Azm277.9195° ; N Plg11.9213°,Azm51.2228°; P Plg12.0918°,Azm143.8152°
MOS Error ellipse: s-maj=5.4km s-min=3.3km az=106.5.
NEIC Event type se. Moment Tensor Solution.Duration: 2s3 Moment tensor: Scale 10^{16}Nm; M_{rr}7.43 $M_{\theta\theta}$-0.03 $M_{\phi\phi}$-7.40 $M_{r\theta}$2.22 $M_{\theta\phi}$-1.54 $M_{\phi r}$5.98 NP1:ϕ_s17.24000°,δ65.12000° ,λ95.15000°. NP2:ϕ_s185.15000°,δ25.38000°,λ79.04000°. Principal axes: T 9.8023,Plg69.0000°,Azm298.0000°; N 0.1987,Plg5.0000°,Azm195.0000° ; P -10.0010,Plg20.0000°,Azm103.0000° $M_0$9.90000×10^{16}
NEIC Event type se.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}5.38 $M_{\theta\theta}$0.65 $M_{\phi\phi}$-6.03 $M_{r\theta}$3.16 $M_{\theta\phi}$-1.73 $M_{\phi r}$6.76 NP1:ϕ_s23.00000°,δ71.00000°,λ97.00000°. NP2:ϕ_s181.00000° ,δ20.00000°,λ69.00000°. $M_0$9.54000×10^{16}
JMA Event type fe. E OFF FUKUSHIMA PREF .
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=6.8km az=72.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}2.85 $M_{\theta\theta}$-0.08 $M_{\phi\phi}$-2.77 $M_{r\theta}$2.10 $M_{\theta\phi}$-1.02 $M_{\phi r}$6.50 NP1:ϕ_s199.48000°,δ11.80000°,λ91.50000°. NP2:ϕ_s17.94000°,δ78.21000° ,λ89.69000°. Principal axes: T 7.3257,Plg57.0000°,Azm288.0000°; N 0.2617,Plg0.0000° ,Azm18.0000°; P -7.5874,Plg33.0000°,Azm108.0000° $M_0$7.46000×10^{16}
IDC Error ellipse: s-maj=10.1km s-min=8.4km az=109.0.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s107,c180; s142,c260;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}1.14±.02 $M_{\theta\theta}$-0.16±.01; $M_{\phi\phi}$-0.97±.02; $M_{r\theta}$0.35±.01; $M_{\theta\phi}$-0.28±.01; $M_{\phi r}$0.69±.01; Best double couple: NP1:ϕ_s23.00000°,δ62.00000°,λ95.00000°. NP2:ϕ_s193.00000°,δ28.00000°,λ81.00000°. Principal axes: T 1.3870,Plg72.0000° ,Azm303.0000°; N -0.0840,Plg4.0000°,Azm200.0000°; P -1.3030,Plg17.0000° ,Azm109.0000° $M_0$1.34500×10^{17}
BGR Event type ke.

(228) Near east coast of eastern Honshu
ISC III 12 06 18 12.5–1.6 37.11N–.04 141.44E–.05 11–9 4.1b 92 1-147
IDC III 12 06 18 11.5–.69 37.07N 141.43E 0 3.9,3.9b ¶610325580
JMA III 12 06 18 13.6–.14 37.1N–.30 141.4E–.70 27–0 4.3,4.2
NIED III 12 06 18 13.6 37.12N 141.37E 27 3.9W,4.2
NEIC III 12 06 18 16.1–1.2 37.21N–.05 141.38E–.09 35–9 4.3b,4.2
ISC Event type ke.
JMA Event type fe. E OFF FUKUSHIMA PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-3.93 $M_{\theta\theta}$0.76 $M_{\phi\phi}$3.17 $M_{r\theta}$1.31 $M_{\theta\phi}$2.35 $M_{\phi r}$5.96 NP1:ϕ_s196.00000°,δ73.00000°,λ-101.00000°. NP2:ϕ_s49.00000° ,δ20.00000°,λ-58.00000°. $M_0$7.46000×10^{14}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(337) Eastern Caucasus
ISC III 12 07 13 13.5–.79 43.03N–.02 47.49E–.02 14–5 129 0-20
MOS III 12 07 13 12.5–.00 43.00N 47.49E 15–0 3.7 ¶610325602
DRS III 12 07 13 13.2–.00 43.07N 47.58E 14 3.7
ISC Event type se.
MOS Event type se.
DRS Event type se. FELT I=II-III MSK at Makhachkala.

(228) Near east coast of eastern Honshu
ISC III 12 09 44 35.6–1.6 37.50N–.06 141.54E–.09 42–13 3.6b 33 1-74
IDC III 12 09 44 36.0–3.3 37.56N 141.78E 54–23 3.7,3.5b ¶614155933
JMA III 12 09 44 37.3–.09 37.5N–.20 141.3E–.60 53–0 3.8,3.5b
ISC Event type ke.
JMA Event type fe. E OFF FUKUSHIMA PREF .

(228) Near east coast of eastern Honshu
ISC III 12 23 34 45.0–2.4 38.89N–.06 142.3E–.10 27–13 3.5b 22 1-59
IDC III 12 23 34 38.0–3.0 39.06N 142.99E 0 3.5b,3.4 ¶610546103
JMA III 12 23 34 48.7–.11 38.9N–.30 142.1E–.70 46–1 3.7,3.4
ISC Event type ke.
JMA Event type fe. KINKAZAN REGION .

(228) Near east coast of eastern Honshu
ISC III 13 00 47 57.4–1.4 37.12N–.04 141.45E–.05 5–8 4.1b 95 1-147
IDC III 13 00 47 57.0–.61 37.12N 141.35E 0 4.1,4.0b ¶610326120
JMA III 13 00 47 58.8–.16 37.1N–.30 141.4E–.80 26–1 4.4,4.3
NIED III 13 00 47 58.8 37.13N 141.37E 26 4.1W,4.3
MOS III 13 00 47 59.6–.85 37.31N 141.32E 25 4.6b,4.3
ISC Event type ke.
IDC Error ellipse: s-maj=15.7km s-min=12.0km az=144.0.
JMA Event type fe. E OFF FUKUSHIMA PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.70 $M_{\theta\theta}$0.03 $M_{\phi\phi}$0.67 $M_{r\theta}$-0.18 $M_{\theta\phi}$0.33 $M_{\phi r}$1.10 NP1:ϕ_s177.00000°,δ74.00000°,λ-107.00000°. NP2:ϕ_s45.00000° ,δ23.00000°,λ-45.00000°. $M_0$1.35000×10^{15}
MOS Error ellipse: s-maj=9.9km s-min=7.1km az=93.3.

(228) Near east coast of eastern Honshu
ISC III 13 05 13 23.0–1.3 35.81N–.05 141.10E–.07 24–8 3.4b 27 0-147
IDC III 13 05 13 19.5–.88 35.76N 141.15E 0 3.5,3.4b ¶610470953
NIED III 13 05 13 23.8 35.80N 140.99E 30 3.8W,3.4b
JMA III 13 05 13 23.8–.21 35.8N–.60 141E–1.0 30–1 3.6,3.4b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}4.26 $M_{\theta\theta}$-4.25 $M_{\phi\phi}$-0.01 $M_{r\theta}$3.67 $M_{\theta\phi}$-0.54 $M_{\phi r}$-2.30 NP1:ϕ_s108.00000°,δ68.00000°,λ109.00000°. NP2:ϕ_s245.00000° ,δ28.00000°,λ51.00000°. $M_0$6.05000×10^{14}
JMA Event type fe. NEAR CHOSHI CITY .

(235) Kyushu
JMA III 13 05 33 05.6–.03 33.7N–.10 130.28E–.09 15–0 3.5
NIED III 13 05 33 05.6 33.69N 130.28E 15 3.4W ¶610470954
JMA Event type fe. CENTRAL FUKUOKA PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-0.15 $M_{\theta\theta}$1.36 $M_{\phi\phi}$-1.22 $M_{r\theta}$-0.01 $M_{\theta\phi}$0.07 $M_{\phi r}$-0.29 NP1:ϕ_s44.00000°,δ81.00000°,λ-169.00000°. NP2:ϕ_s313.00000° ,δ80.00000°,λ-10.00000°. $M_0$1.33000×10^{14}

(229) Off east coast of Honshu
ISC III 13 06 25 37.0–.59 40.26N–.04 143.56E–.04 13–3 4.6b,4.3s 303 1-95
BJI III 13 06 25 35.9–.00 40.31N 143.41E 8 4.9b,4.6b ¶611832042
NIED III 13 06 25 37.8 40.29N 143.48E 14 4.7W,4.6b
JMA III 13 06 25 37.8–.30 40.3N–.60 143E–1.0 14–3 4.7W,4.7
MOS III 13 06 25 38.7–1.2 40.31N 143.42E 28 4.8b,4.1s
NEIC III 13 06 25 40.5–2.0 40.22N–.06 143.6E–.10 35–2 4.6b,4.6
NEIC III 13 06 25 40.5 40.22N 143.59E 35 4.6b,4.6
IDC III 13 06 25 41.0–4.0 40.24N 143.43E 31–29 4.2,4.1s
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}0.79 $M_{\theta\theta}$0.19 $M_{\phi\phi}$-0.97 $M_{r\theta}$0.47 $M_{\theta\phi}$-0.41 $M_{\phi r}$0.71 NP1:ϕ_s31.00000°,δ67.00000°,λ104.00000°. NP2:ϕ_s179.00000° ,δ27.00000°,λ61.00000°. $M_0$1.28000×10^{16}
JMA Event type fe. FAR E OFF SANRIKU .
MOS Error ellipse: s-maj=7.3km s-min=4.6km az=101.4.
NEIC Event type se. Error ellipse: s-maj=13.5km s-min=9.0km az=111.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.53 $M_{\theta\theta}$0.36 $M_{\phi\phi}$-0.89 $M_{r\theta}$0.23 $M_{\theta\phi}$0.20 $M_{\phi r}$0.66 NP1:ϕ_s16.72000°,δ70.80000°,λ118.01000°. NP2:ϕ_s138.44000°,δ33.51000° ,λ36.56000°. Principal axes: T 0.9358,Plg55.0000°,Azm322.0000°; N 0.2240,Plg26.0000° ,Azm187.0000°; P -1.1598,Plg21.0000°,Azm86.0000° $M_0$1.07000×10^{16}
NEIC Event type se.
IDC Error ellipse: s-maj=14.5km s-min=11.4km az=122.0.

(238) Ryukyu Islands
ISC III 13 16 07 29.1–.97 29.11N–.03 129.27E–.06 10–6 3.5b 25 0-76
JMA III 13 16 07 28.7–.17 29.2N–.50 129E–2.0 15–1 3.1 ¶610546152
IDC III 13 16 07 33.8–1.8 29.04N 129.24E 47–21 3.6,3.3b
ISC Event type ke.
JMA Event type fe. NEAR TOKARA ISLANDS .
IDC Error ellipse: s-maj=30.9km s-min=14.7km az=107.0.

(97) Near coast of Venezuela
ISC III 13 17 17 03.9–1.6 10.71N–.06 62.25W–.05 84–18 47 1-6
FUNV III 13 17 17 02.0 10.56N 62.10W 21 3.9W ¶613522607
TRN III 13 17 17 05.2 10.78N 62.11W 74 3.9
ISC Event type ke.
TRN Event type fe. Felt in Trinidad MMI II.

(228) Near east coast of eastern Honshu
ISC III 13 18 54 11.6–1.0 35.85N–.04 141.01E–.06 28–7 3.5b 36 0-147
IDC III 13 18 54 07.2–1.2 35.81N 141.09E 0 3.6,3.5b ¶610470955
JMA III 13 18 54 11.7–.20 35.8N–.50 140.9E–.90 33–1 3.8,3.5b
NIED III 13 18 54 11.7 35.84N 140.92E 33 3.9W,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=29.6km s-min=17.6km az=83.0.
JMA Event type fe. NEAR CHOSHI CITY .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-3.87 $M_{\theta\theta}$-2.15 $M_{\phi\phi}$6.02 $M_{r\theta}$-1.75 $M_{\theta\phi}$0.20 $M_{\phi r}$-4.02 NP1:ϕ_s21.00000°,δ68.00000°,λ-69.00000°. NP2:ϕ_s155.00000° ,δ30.00000°,λ-132.00000°. $M_0$6.73000×10^{14}

(235) Kyushu
ISC III 13 23 03 51.6–1.1 33.72N–.04 130.34E–.04 11–14 14 0-3
JMA III 13 23 03 52.5–.03 33.7N–.10 130.28E–.09 14–0 3.0 ¶612489097
ISC Event type ke.
JMA Event type fe. CENTRAL FUKUOKA PREF .

(92) Leeward Islands
ISC III 14 00 18 34.3–.55 17.53N–.04 62.82W–.04 109–5 4.2b 224 0-164
IDC III 14 00 18 32.2–2.4 17.42N 62.77W 92–21 4.2,3.8b ¶610327659
OSPL III 14 00 18 32.6–3.3 17.72N 62.61W 5–252 4.3L,3.8b
TRN III 14 00 18 33.8 17.59N 62.74W 106 4.3,3.8b
NEIC III 14 00 18 35.1–1.5 17.52N–.06 62.80W–.05 107–4 4.3b,3.8b
ISC Event type se.
TRN Event type fe. Felt in Sint Maarten MMI III and St. BartholomewMMI III.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(224) Hokkaido region
ISC III 14 03 56 48.8–.37 42.79N–.03 142.65E–.03 96–2 4.9b 903 0-163
BJI III 14 03 56 47.2–.00 42.66N 142.47E 86 5.2b,4.7b ¶610327655
SKHL III 14 03 56 48.6–.30 42.70N 142.70E 105–6 6.7,5.8b
MOS III 14 03 56 48.1–1.0 42.76N 142.61E 105 5.0b,5.8b
NEIC III 14 03 56 48.5–1.4 42.72N–.03 142.7E–.10 90–5 5.0b,4.7
NEIC III 14 03 56 48.8 42.70N 142.71E 92 5.0b,4.7
IDC III 14 03 56 49.0–.88 42.81N 142.66E 97–6 4.8,4.5b
NIED III 14 03 56 50.2 42.82N 142.70E 82 4.7W,4.5b
JMA III 14 03 56 50.2–.23 42.8N–.50 142.7E–.70 82–2 4.7W,4.7
BGR III 14 03 56 57.4 43.86N 141.31E 103 5.1b,4.7
ISC Event type ke. Moment Tensor Solution. NP1:ϕ_s129.95450°,δ60.56084°,λ108.40312°. NP2: ϕ_s275.85880°,δ34.27538°,λ60.77804°. Principal axes: T Plg68.7256°,Azm77.9245° ; N Plg15.9582°,Azm300.6671°; P Plg13.6959°,Azm206.6711°
MOS Error ellipse: s-maj=5.9km s-min=4.2km az=93.2.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=4.0km az=92.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.39 $M_{\theta\theta}$-0.34 $M_{\phi\phi}$-0.05 $M_{r\theta}$1.18 $M_{\theta\phi}$-0.08 $M_{\phi r}$-0.45 NP1:ϕ_s109.03000°,δ82.69000°,λ96.80000°. NP2:ϕ_s245.86000°,δ9.97000° ,λ47.27000°. Principal axes: T 1.3836,Plg52.0000°,Azm27.0000°; N -0.1305,Plg7.0000° ,Azm288.0000°; P -1.2531,Plg37.0000°,Azm193.0000° $M_0$1.32000×10^{16}
NEIC Event type se.
IDC Error ellipse: s-maj=10.1km s-min=8.1km az=129.0.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.22 $M_{\theta\theta}$-0.08 $M_{\phi\phi}$0.29 $M_{r\theta}$1.31 $M_{\theta\phi}$-0.14 $M_{\phi r}$3.68 NP1:ϕ_s289.00000°,δ86.00000°,λ-107.00000°. NP2:ϕ_s185.00000° ,δ17.00000°,λ-15.00000°. $M_0$1.44000×10^{16}
JMA Event type fe. HIDAKA MOUNTAINS REGION .
BGR Event type ke.

(238) Ryukyu Islands
ISC III 14 10 13 46.2–.96 29.15N–.04 129.34E–.05 11–6 3.5b,3.1s 26 0-75
JMA III 14 10 13 45.8–.18 29.2N–.70 129E–2.0 18–2 3.4,3.1s ¶610470959
NIED III 14 10 13 45.8 29.17N 129.27E 18 4.4W,3.1s
IDC III 14 10 13 50.6–2.0 29.02N 129.32E 41–20 3.6,3.5L
ISC Event type ke.
JMA Event type fe. NEAR TOKARA ISLANDS .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.59 $M_{\theta\theta}$0.48 $M_{\phi\phi}$0.11 $M_{r\theta}$0.91 $M_{\theta\phi}$-0.14 $M_{\phi r}$3.68 NP1:ϕ_s194.00000°,δ88.00000°,λ-89.00000°. NP2:ϕ_s1.00000° ,δ3.00000°,λ-103.00000°. $M_0$3.80000×10^{15}
IDC Error ellipse: s-maj=27.9km s-min=11.9km az=95.0.

(719) Tajikistan-Xinjiang border region
ISC III 14 11 07 11.0–.35 39.12N–.02 73.42E–.02 15–1 5.0b,4.3s 1107 1-168
IDC III 14 11 07 08.4–.42 39.17N 73.48E 0 4.8,4.8b ¶610328153
MOS III 14 11 07 08.6–1.0 39.04N 73.47E 10 5.2b,4.3s
BJI III 14 11 07 10.7–.00 39.19N 73.51E 12 5.1L,5.0b
KRNET III 14 11 07 10.8–.10 39.31N 73.39E 5.5b,5.0b
BGR III 14 11 07 10.5 39.06N 74.04E 33 4.8b,4.5s
NNC III 14 11 07 13.2–1.6 39.32N 73.69E 0 5.6b,5.2
GCMT III 14 11 07 14.3–.20 39.28N–.01 73.47E–.02 17–1 5.0W,5.2
NEIC III 14 11 07 15.3–1.2 39.25N–.06 73.47E–.06 41–4 5.0b,5.2
ISC Event type ke.
MOS Event type fe. Felt (IV-V) at Bordobo, (III-IV) at Nura, Sary-Tash. Moment Tensor Solution.
BGR Event type ke.
NNC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s37,c42; s98,c143;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.61±.13 $M_{\theta\theta}$-1.59±.13; $M_{\phi\phi}$2.21±.12; $M_{r\theta}$-1.33±.33; $M_{\theta\phi}$-3.34±.10; $M_{\phi r}$0.13±.28; Best double couple: NP1:ϕ_s106.00000°,δ84.00000°,λ-160.00000°. NP2:ϕ_s14.00000°,δ70.00000°,λ-7.00000°. Principal axes: T 4.2820,Plg9.0000° ,Azm239.0000°; N -0.3790,Plg69.0000°,Azm123.0000°; P -3.8980,Plg19.0000° ,Azm332.0000° $M_0$4.09000×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(228) Near east coast of eastern Honshu
ISC III 15 07 30 31.8–.75 35.75N–.05 140.74E–.06 52–6 4.0b 82 0-147
NIED III 15 07 30 30.8 35.74N 140.68E 50 4.1W ¶610329577
JMA III 15 07 30 30.8–.21 35.7N–.60 140.7E–.80 50–1 3.7
NEIC III 15 07 30 33.0–1.2 35.84N–.07 140.7E–.10 61–8 4.3b
IDC III 15 07 30 34.2–2.2 35.67N 140.56E 75–18 3.8,3.5b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}1.14 $M_{\theta\theta}$-0.08 $M_{\phi\phi}$-1.05 $M_{r\theta}$-0.05 $M_{\theta\phi}$-0.03 $M_{\phi r}$0.96 NP1:ϕ_s359.00000°,δ66.00000°,λ87.00000°. NP2:ϕ_s185.00000° ,δ24.00000°,λ96.00000°. $M_0$1.46000×10^{15}
JMA Event type fe. NEAR CHOSHI CITY .
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=8.9km az=116.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=17.0km s-min=14.8km az=98.0.

(228) Near east coast of eastern Honshu
ISC III 15 17 05 19.8–.77 35.90N–.04 140.88E–.06 44–6 4.0b 77 0-148
JMA III 15 17 05 19.4–.16 35.9N–.40 140.9E–.70 43–1 3.6 ¶610470972
NIED III 15 17 05 19.4 35.90N 140.87E 43 4.1W
NEIC III 15 17 05 20.5–1.3 35.93N–.08 141.0E–.10 50–8 4.4b
IDC III 15 17 05 20.8–2.8 35.85N 140.76E 53–24 3.8,3.6b
ISC Event type ke.
JMA Event type fe. NEAR CHOSHI CITY .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.85 $M_{\theta\theta}$-0.13 $M_{\phi\phi}$-0.72 $M_{r\theta}$0.07 $M_{\theta\phi}$-0.48 $M_{\phi r}$1.35 NP1:ϕ_s8.00000°,δ74.00000°,λ76.00000°. NP2:ϕ_s230.00000° ,δ21.00000°,λ130.00000°. $M_0$1.64000×10^{15}
NEIC Event type se. Error ellipse: s-maj=16.2km s-min=7.4km az=125.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=19.1km s-min=15.3km az=113.0.

(235) Kyushu
ISC III 16 01 11 07.1–.99 31.84N–.04 131.77E–.07 39–4 3.5b 23 0-59

IDC III 16 01 11 03.8–1.1 31.58N 130.84E 0 3.5,3.5b ¶610546283
JMA III 16 01 11 07.2–.13 31.9N–.30 131.7E–.80 37–1 3.3,3.5b
ISC Event type ke.
JMA Event type fe. HYUGANADA REGION .
(238) Ryukyu Islands
ISC III 16 06 49 08.3–.71 26.66N–.05 127.83E–.05 58–6 4.0b 62 0-78
NEIC III 16 06 49 07.7–1.1 26.59N–.10 127.78E–.08 50–7 4.0b ¶614158840
IDC III 16 06 49 08.4–1.4 26.61N 128.04E 52–16 4.7L,4.1
JMA III 16 06 49 08.5–.15 26.7N–.40 127.8E–.50 58–1 4.0,3.9
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. NEAR OKINAWAJIMA ISLAND .
(327) Lake Baykal region
ISC III 16 11 34 03.1–.57 52.76N–.02 106.83E–.02 10 101 0-58
IDC III 16 11 33 60.0–3.6 52.85N 107.46E 0 4.0b,3.6 ¶610330715
MOS III 16 11 34 01.8–1.2 52.61N 106.97E 10 4.3b,3.6
BYKL III 16 11 34 03.0–.13 52.74N 106.80E 15–2 4.3b,3.6
ISC Event type se.
IDC Error ellipse: s-maj=59.6km s-min=27.6km az=76.0.
MOS Event type fe. Error ellipse: s-maj=12.0km s-min=8.6km az=53.8. Felt (II) at Tyrgan. Moment Tensor Solution.
BYKL Event type se. FELT I=II MSK at Yelantsy, Tyrgan.
(235) Kyushu
ISC III 17 06 57 11.5–.29 30.42N–.03 130.59E–.03 67–2 5.2b 944 0-174
BGR III 17 06 57 07.5 31.34N 132.23E 33 5.6b ¶611832082
MOS III 17 06 57 09.1–.93 30.37N 130.61E 59 5.3b
JMA III 17 06 57 10.5–.10 30.4N–.30 130.6E–.30 60–0 5.0W,4.9
NIED III 17 06 57 10.5 30.40N 130.57E 60 5.0W,4.9
NEIC III 17 06 57 11.6 30.44N 130.63E 61 5.0W,4.9
IDC III 17 06 57 11.4–1.2 30.43N 130.53E 67–9 4.9,4.7b
BJI III 17 06 57 11.2–.00 30.38N 130.61E 83 5.0b,5.0b
NEIC III 17 06 57 11.8–2.0 30.44N–.05 130.66E–.09 64–6 5.2b,4.9
GCMT III 17 06 57 11.8–.20 30.44N–.02 130.70E–.02 62–2 5.1W,4.9
ISC Event type ke.
BGR Event type ke.
JMA Event type fe. NEAR TANEGASHIMA ISLAND .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.52 $M_{\theta\theta}$1.06 $M_{\phi\phi}$-0.54 $M_{r\theta}$-0.33 $M_{\theta\phi}$2.38 $M_{\phi r}$2.00 NP1:ϕ_s192.00000°,δ80.00000°,λ-143.00000°. NP2:ϕ_s94.00000° ,δ54.00000°,λ-13.00000°. $M_0$3.24000×10^{16}
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-1.40 $M_{\theta\theta}$0.34 $M_{\phi\phi}$1.07 $M_{r\theta}$-0.38 $M_{\theta\phi}$2.51 $M_{\phi r}$1.26 NP1:ϕ_s184.26000°,δ69.56000°,λ-142.70000°. NP2:ϕ_s79.36000°,δ55.40000° ,λ-25.10000°. Principal axes: T 3.3484,Plg9.0000°,Azm309.0000°; N -0.5643,Plg48.0000° ,Azm209.0000°; P -2.7841,Plg40.0000°,Azm47.0000° $M_0$3.10000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s54,c70; s98,c139;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.14±.17 $M_{\theta\theta}$2.24±.17; $M_{\phi\phi}$-2.38±.18; $M_{r\theta}$0.21±.11; $M_{r\phi}$3.33±.12; $M_{\theta\phi}$3.05±.10; Best double couple: NP1:ϕ_s197.00000°,δ88.00000°,λ-144.00000°. NP2:ϕ_s105.00000°,δ54.00000°,λ-3.00000°. Principal axes: T 4.6660,Plg23.0000° ,Azm325.0000°; N 0.7380,Plg54.0000°,Azm200.0000°; P -5.4090,Plg26.0000°,Azm67.0000° $M_0$5.03800×10^{16}
(227) Eastern Honshu
ISC III 17 07 33 09.6–1.1 39.16N–.05 141.91E–.09 63–7 3.7b 27 0-47
JMA III 17 07 33 10.2–.08 39.1N–.20 141.8E–.40 62–0 3.1 ¶610546366
IDC III 17 07 33 11.7–2.3 39.51N 141.50E 52–21 3.6,3.4b
ISC Event type ke.
JMA Event type fe. SOUTHERN IWATE PREF .
IDC Error ellipse: s-maj=35.8km s-min=12.0km az=120.0.
(228) Near east coast of eastern Honshu
ISC III 17 13 00 25.1–.61 35.92N–.04 140.58E–.05 56–5 4.3b,3.2s 167 0-91
MOS III 17 13 00 23.0–1.1 35.97N 140.65E 54 4.6b,3.2s ¶610339919
BJI III 17 13 00 24.0–.00 35.90N 140.50E 69 4.7b,4.5b
NIED III 17 13 00 26.4 36.02N 140.38E 55 4.2W,4.5b
JMA III 17 13 00 26.4–.14 36.0N–.30 140.4E–.50 55–1 3.6,4.5b
NEIC III 17 13 00 26.2–1.5 35.97N–.03 140.48E–.08 56–6 4.5b,4.5b
IDC III 17 13 00 28.5–1.9 35.93N 140.29E 81–15 4.1,3.8b
ISC Event type ke.
MOS Error ellipse: s-maj=8.9km s-min=5.7km az=110.6.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}1.73 $M_{\theta\theta}$0.18 $M_{\phi\phi}$-1.92 $M_{r\theta}$-0.14 $M_{\theta\phi}$-0.59 $M_{\phi r}$1.64 NP1:ϕ_s1.00000°,δ66.00000°,λ77.00000°. NP2:ϕ_s211.00000° ,δ27.00000°,λ117.00000°. $M_0$2.52000×10^{15}
JMA Event type fe. SOUTHERN IBARAKI PREF .
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=4.1km az=81.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=15.6km s-min=11.9km az=108.0.
(259) Mindanao
ISC III 17 23 53 29.0–1.1 7.64N–.02 124.69E–.03 11–7 4.3b,3.5s 90 0-144
IDC III 17 23 53 27.5–.81 7.49N 124.47E 0 4.0,4.0b ¶610546420
MAN III 17 23 53 27.6 7.67N 124.67E 1 5.0b,4.0L
NEIC III 17 23 53 28.8–1.6 7.55N–.10 124.67E–.05 10–1 4.4b,4.0L
ISC Event type fe.
MAN Event type fe. INTENSITY IV - WAO LANAO DEL SUR AND KALILANGAN BUKIDNON; INTENSITY II - BANISILAN COTABATO.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(259) Mindanao
MAN III 18 00 52 30.3 7.69N 124.63E 1 4.4b,3.3L ¶616058661
MAN Event type fe. INTENSITY II - WAO LANAO DEL SUR AND KALILANGAN BUKIDNON.
(259) Mindanao
MAN III 18 01 19 38.4 7.70N 124.67E 3 4.7b,3.6L ¶616058662
MAN Event type fe. INTENSITY IV - WAO LANAO DEL SUR AND KALILANGAN BUKIDNON.
(229) Off east coast of Honshu
ISC III 18 01 33 28.7–.61 38.62N–.04 144.04E–.04 19–2 4.7b,4.3s 695 2-158
MOS III 18 01 33 25.9–1.1 38.65N 143.95E 10 4.9b,4.3s ¶611832092
BJI III 18 01 33 27.1–.00 38.78N 143.72E 5 4.9b,4.7s
JMA III 18 01 33 29.0–.21 38.6N–.60 144E–1.0 46 4.9W,4.8
NIED III 18 01 33 29.0 38.63N 143.90E 46 4.8W,4.8
NEIC III 18 01 33 29.1–1.1 38.60N–.06 143.89E–.09 18–4 4.9b,4.8
IDC III 18 01 33 31.9–2.1 38.53N 143.94E 42–19 4.4,4.2b
GCMT III 18 01 33 31.1–.30 38.72N–.02 144.02E–.02 15–1 5.0W,4.2b
ISC Event type ke. Moment Tensor Solution. NP1:ϕ_s217.21895°,δ39.14560°,λ-87.90904°. NP2: ϕ_s34.52362°,δ50.88545°,λ-91.70116°. Principal axes: T Plg5.8715°,Azm125.7328° ; N Plg1.3198°,Azm35.5970°; P Plg83.9810°,Azm292.9757°
JMA Event type fe. FAR E OFF MIYAGI PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.40 $M_{\theta\theta}$0.54 $M_{\phi\phi}$0.86 $M_{r\theta}$-0.14 $M_{\theta\phi}$1.40 $M_{\phi r}$0.69 NP1:ϕ_s197.00000°,δ58.00000°,λ-123.00000°. NP2:ϕ_s68.00000° ,δ45.00000°,λ-49.00000°. $M_0$1.96000×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s38,c47; s100,c151;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.62±.18 $M_{\theta\theta}$0.94±.12; $M_{\phi\phi}$1.68±.11; $M_{r\theta}$-0.35±.41; $M_{r\phi}$2.65±.07; $M_{\theta\phi}$2.29±.40; Best double couple: NP1:ϕ_s192.00000°,δ65.00000°,λ-125.00000°. NP2:ϕ_s71.00000°,δ42.00000°,λ-39.00000°. Principal axes: T 4.3360,Plg13.0000° ,Azm307.0000°; N -0.2740,Plg31.0000°,Azm209.0000°; P -4.0600,Plg56.0000° ,Azm57.0000° $M_0$4.19800×10^{16}
(259) Mindanao
MAN III 18 13 13 23.7 7.63N 124.61E 1 4.0b,2.7L ¶616058668
MAN Event type fe. INTENSITY I - KALINANGAN BUKIDNON.
(222) East of Kuril Islands
ISC III 19 06 14 58.9–.90 49.90N–.06 159.48E–.05 49–7 4.4b 210 2-79
IDC III 19 06 14 52.9–.61 49.98N 159.48E 0 4.1L,4.0 ¶610345990
KRSC III 19 06 14 55.9–2.2 49.91N 159.50E 59–36 5.2L,4.0
NEIC III 19 06 14 55.1–1.7 49.86N–.08 159.39E–.06 10–1 4.5b,4.0
MOS III 19 06 14 56.9–.84 49.85N 159.53E 50 4.6b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=14.3km s-min=12.6km az=147.0.
KRSC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.9km s-min=7.0km az=182.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Event type fe. Error ellipse: s-maj=8.8km s-min=3.3km az=92.4. Felt (II) at Severo-Kuril'sk. Moment Tensor Solution.
(327) Lake Baykal region
ISC III 19 08 22 35.3–.80 52.66N–.02 106.58E–.02 12–5 3.5b 115 0-80
IDC III 19 08 22 33.2–.97 52.61N 106.57E 0 3.5b,3.4 ¶610346012
MOS III 19 08 22 33.7–1.2 52.61N 106.66E 10 4.0b,3.4
BYKL III 19 08 22 35.5–.17 52.67N 106.54E 17–3 4.0b,3.4
ISC Event type se.
IDC Error ellipse: s-maj=19.0km s-min=16.4km az=63.0.
MOS Event type fe. Error ellipse: s-maj=8.7km s-min=7.6km az=50.4. Felt (III) at Tyrgan. Moment Tensor Solution.
BYKL Event type se. FELT I=III-IV MSK at Tyrgan,Yelantsy; II at Irkutsk.
(228) Near east coast of eastern Honshu
ISC III 19 11 35 43.5–.68 35.67N–.05 140.24E–.05 69–6 4.1b 98 0-118
IDC III 19 11 35 42.7–2.0 35.62N 140.26E 59–18 3.9,3.6b ¶610470991
NIED III 19 11 35 43.3 35.73N 140.20E 66 4.1W,3.6b
NEIC III 19 11 35 43.6–1.2 35.69N–.05 140.25E–.04 60–8 4.5b,3.6b
JMA III 19 11 35 43.3–.22 35.7N–.60 140.2E–.80 66–1 3.5,3.6b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.81 $M_{\theta\theta}$0.47 $M_{\phi\phi}$-1.28 $M_{r\theta}$0.22 $M_{\theta\phi}$0.24 $M_{\phi r}$0.79 NP1:ϕ_s13.00000°,δ67.00000°,λ114.00000°. NP2:ϕ_s145.00000° ,δ33.00000°,λ47.00000°. $M_0$1.37000×10^{15}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. NORTHERN CHIBA PREF .
(228) Near east coast of eastern Honshu
ISC III 20 08 54 41.2–1.2 37.60N–.05 141.84E–.07 40–12 3.7b 46 1-90
IDC III 20 08 54 41.2–2.8 37.57N 141.72E 40–26 3.6s,3.6 ¶614162620
JMA III 20 08 54 42.1–.08 37.6N–.20 141.7E–.50 47–1 4.0,3.6
ISC Event type ke.
JMA Event type fe. E OFF FUKUSHIMA PREF .
(255) Cebu
ISC III 20 19 42 00.7–.98 10.45N–.02 123.73E–.03 20–5 4.3b,3.7s 121 0-147
IDC III 20 19 41 58.1–.76 10.47N 123.79E 0 4.0,4.0b ¶610394177
MAN III 20 19 41 58.8 10.54N 123.68E 1 4.7b,3.6L
NEIC III 20 19 42 04.9–1.5 10.43N–.07 123.75E–.09 51–8 4.3b,3.6L
ISC Event type fe.
MAN Event type fe. INTENSITY IV - ASTURIAS AND BUSAY CEBU; CEBU CITY; INTENSITY III - MANDAUE CITY; INTENSITY II - LAPU-LAPU CITY.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(255) Cebu
ISC III 20 19 43 44.1–1.0 10.52N–.03 123.71E–.03 24–8 4.0b 66 0-128
IDC III 20 19 43 41.5–1.1 10.45N 123.72E 0 3.8,3.8b ¶610543354
MAN III 20 19 43 43.3 10.54N 123.72E 2 4.6b,3.4L
NEIC III 20 19 43 48.3–1.8 10.6N–.10 124.0E–.10 51–7 4.2b,3.4L
ISC Event type fe.
MAN Event type fe. INTENSITY III - ASTURIAS CEBU; CEBU CITY; INTENSITY II - LAPU-LAPU CITY.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(228) Near east coast of eastern Honshu
ISC III 20 20 05 15.2–.96 35.58N–.04 140.09E–.04 71–7 3.5b 35 0-55
IDC III 20 20 05 12.2–1.9 34.78N 138.32E 0 3.4,3.4b ¶610543355
JMA III 20 20 05 15.2–.24 35.6N–.60 140.1E–.80 68–2 3.2,3.4b
ISC Event type ke.
JMA Event type fe. CENTRAL CHIBA PREF .
(228) Near east coast of eastern Honshu
ISC III 21 15 15 33.4–.79 35.06N–.04 140.07E–.04 70–5 4.4b 60 0-59
IDC III 21 15 15 27.3–1.8 34.86N 140.22E 0 3.7,3.6b ¶610415859
NEIC III 21 15 15 33.2–2.1 35.04N–.05 140.15E–.08 77–11 4.2b,3.6b
JMA III 21 15 15 33.8–.18 35.1N–.70 140.0E–.70 69–1 3.3,3.6b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. SOUTHERN BOSO PENINSULA .
(228) Near east coast of eastern Honshu
ISC III 22 00 21 03.3–.68 37.30N–.04 141.58E–.05 27–3 4.4b,3.7s 192 1-147
IDC III 22 00 21 00.5–.58 37.33N 141.53E 0 4.1,4.1b ¶614163794
JMA III 22 00 21 01.5–.18 37.3N–.40 141.6E–.90 34–1 4.7,4.5
NIED III 22 00 21 01.5 37.27N 141.57E 34 4.1W,4.5
NEIC III 22 00 21 02.2–1.6 37.40N–.05 141.54E–.05 14–4 4.6b,4.5
BJI III 22 00 21 03.6–.00 37.11N 141.39E 38 4.9b,4.6b
ISC Event type ke.
IDC Error ellipse: s-maj=15.1km s-min=12.8km az=125.0.
JMA Event type fe. E OFF FUKUSHIMA PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.46 $M_{\theta\theta}$-0.48 $M_{\phi\phi}$0.95 $M_{r\theta}$1.07 $M_{\theta\phi}$0.55 $M_{\phi r}$0.83 NP1:ϕ_s232.00000°,δ80.00000°,λ-61.00000°. NP2:ϕ_s339.00000° ,δ31.00000°,λ-160.00000°. $M_0$1.67000×10^{15}
NEIC Event type se. Error ellipse: s-maj=8.6km s-min=2.6km az=214.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(228) Near east coast of eastern Honshu
ISC III 22 13 50 14.7–.67 35.69N–.05 140.65E–.05 51–5 4.1b,2.9s 88 0-79
JMA III 22 13 50 14.4–.17 35.7N–.50 140.6E–.60 50–1 3.6,2.9s ¶610424466
NEIC III 22 13 50 14.9–2.2 35.59N–.06 140.7E–.10 59–7 4.3b,2.9s
NIED III 22 13 50 14.4 35.70N 140.63E 50 4.1W,2.9s
IDC III 22 13 50 17.2–2.5 35.59N 140.48E 71–21 3.8,3.5b
ISC Event type ke.
JMA Event type fe. NEAR CHOSHI CITY .
NEIC Event type se. Error ellipse: s-maj=12.5km s-min=8.5km az=110.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.94 $M_{\theta\theta}$-0.13 $M_{\phi\phi}$-0.81 $M_{r\theta}$0.18 $M_{\theta\phi}$-0.11 $M_{\phi r}$1.08 NP1:ϕ_s9.00000°,δ70.00000°,λ90.00000°. NP2:ϕ_s189.00000° ,δ20.00000°,λ90.00000°. $M_0$1.41000×10^{15}
IDC Error ellipse: s-maj=19.9km s-min=15.0km az=87.0.
(228) Near east coast of eastern Honshu
ISC III 22 14 47 21.4–.96 36.64N–.04 141.00E–.07 47–7 4.0b 72 0-147
NIED III 22 14 47 21.6 36.64N 140.94E 48 3.8W ¶610424468
JMA III 22 14 47 21.6–.11 36.6N–.30 140.9E–.70 48–1 3.8
NEIC III 22 14 47 22.1–2.1 36.69N–.06 141.0E–.10 47–9 4.1b
IDC III 22 14 47 23.1–2.1 36.63N 140.90E 63–17 3.8,3.5b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}4.89 $M_{\theta\theta}$-0.83 $M_{\phi\phi}$-4.06 $M_{r\theta}$-0.30 $M_{\theta\phi}$-1.82 $M_{\phi r}$2.64 NP1:ϕ_s11.00000°,δ59.00000°,λ76.00000°. NP2:ϕ_s217.00000° ,δ34.00000°,λ112.00000°. $M_0$5.55000×10^{14}
JMA Event type fe. E OFF IBARAKI PREF .
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=7.8km az=112.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=18.7km s-min=12.9km az=129.0.
(228) Near east coast of eastern Honshu
ISC III 22 19 50 56.6–1.5 36.03N–.05 141.27E–.07 25–11 3.5b 24 0-60
IDC III 22 19 50 52.8–1.5 36.10N 141.53E 0 3.4,3.4b ¶610543486
JMA III 22 19 50 56.4–.21 36.0N–.50 141E–1.0 31–2 3.3,3.4b
ISC Event type ke.
JMA Event type fe. FAR E OFF IBARAKI PREF .
(228) Near east coast of eastern Honshu
ISC III 23 08 52 51.8–1.0 38.43N–.05 141.91E–.08 59–8 3.7b 36 0-146
JMA III 23 08 52 52.5–.10 38.4N–.20 141.8E–.50 58–0 4.0,3.8 ¶610543523
IDC III 23 08 52 56.1–3.1 38.47N 141.51E 99–30 3.5,3.2b
ISC Event type ke.
JMA Event type fe. E OFF MIYAGI PREF .

IDC Error ellipse: s-maj=28.8km s-min=21.6km az=102.0.
(227) Eastern Honshu
ISC III 23 16 29 53.9–.72 36.01N–.04 139.98E–.05 55–6 4.3b 108 0-75
NEIC III 23 16 29 54.1–1.1 36.05N–.04 139.96E–.07 55–8 4.3b ¶610434449
NIED III 23 16 29 54.3 36.06N 139.94E 45 3.9W
JMA III 23 16 29 54.3–.09 36.1N–.20 139.9E–.30 45–0 3.9
IDC III 23 16 29 55.4–1.6 36.04N 139.82E 67–13 4.0,3.7b
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=8.1km s-min=6.0km az=111.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}2.03 $M_{\theta\theta}$0.74 $M_{\phi\phi}$-2.77 $M_{r\theta}$-1.28 $M_{\theta\phi}$-1.17 $M_{\phi r}$6.42 NP1:ϕ_s350.00000°,δ81.00000°,λ76.00000°. NP2:ϕ_s228.00000°,δ16.00000°,λ146.00000°. $M_0$7.10000×10^{14}
JMA Event type fe. SW IBARAKI PREF .
IDC Error ellipse: s-maj=16.2km s-min=13.5km az=68.0.
(227) Eastern Honshu
ISC III 23 17 22 10.4–1.0 36.04N–.06 139.95E–.06 50–9 3.5b 20 0-56
IDC III 23 17 22 10.7–3.6 36.05N 140.02E 56–30 3.5,3.2b ¶614165032
JMA III 23 17 22 11.2–.09 36.1N–.20 139.9E–.30 43–0 3.1,3.2b
ISC Event type ke.
JMA Event type fe. SW IBARAKI PREF .
(238) Ryukyu Islands
ISC III 24 16 43 27.4–.24 26.85N–.03 127.28E–.03 85–1 5.5b 1789 0-176
MOS III 24 16 43 24.9–.92 26.92N 127.19E 75 5.8b,4.2s ¶611832114
BJI III 24 16 43 24.3–.00 26.62N 127.43E 76 5.0b,4.8b
NEIC III 24 16 43 27 26.52N 127.77E 80 5.0b,4.8b
NEIC III 24 16 43 27 26.92N 127.21E 80 5.0b,4.8b
NEIC III 24 16 43 27.1–2.0 26.89N–.07 127.22E–.06 77–4 5.5b,5.2
IDC III 24 16 43 27.4–.46 26.96N 127.20E 82–4 5.2,4.9b
NEIC III 24 16 43 27.3 26.90N 127.20E 79 5.2,4.9b
JMA III 24 16 43 28.2–.24 27N–1.0 127.2E–.80 87–2 5.1W,5.1
NIED III 24 16 43 28.2 26.84N 127.20E 87 5.1W,5.1
GCMT III 24 16 43 29.1–.20 26.75N–.01 127.26E–.01 95–1 5.2W,5.1
BGR III 24 16 43 30.4 26.96N 127.14E 90 6.0b,5.1
ISC Event type ke. Moment Tensor Solution. NP1:ϕ_s193.03023°,δ30.98903°,λ-119.51379°. NP2:ϕ_s46.46878°,δ63.38056°,λ-73.51781°. Principal axes: T Plg16.8191°,Azm124.3708°; N Plg14.6932°,Azm218.9171°; P Plg67.3696°,Azm347.8936°
MOS Error ellipse: s-maj=5.7km s-min=3.5km az=117.5.
NEIC Event type se. Moment Tensor Solution.Duration: 1s8 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.11 $M_{\theta\theta}$-1.68 $M_{\phi\phi}$4.79 $M_{r\theta}$-2.82 $M_{\theta\phi}$1.94 $M_{\phi r}$-0.22 NP1:ϕ_s48.21000°,δ63.04000°,λ-45.09000°. NP2:ϕ_s162.66000°,δ50.86000°,λ-144.24000°. Principal axes: T 5.4444,Plg7.0000°,Azm108.0000°; N -0.0347,Plg39.0000°,Azm204.0000°; P -5.4097,Plg50.0000°,Azm9.0000° $M_0$5.43000×10^{16}
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=8.1km az=163.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-3.79 $M_{\theta\theta}$-5.89 $M_{\phi\phi}$9.67 $M_{r\theta}$-3.08 $M_{\theta\phi}$0.01 $M_{\phi r}$-1.21 NP1:ϕ_s38.66000°,δ69.58000°,λ-30.83000°. NP2:ϕ_s140.42000°,δ61.29000°,λ-156.56000°. Principal axes: T 9.7877,Plg5.0000°,Azm91.0000°; N -1.6649,Plg54.0000°,Azm188.0000°; P -8.1229,Plg36.0000°,Azm357.0000° $M_0$9.07000×10^{16}
IDC Error ellipse: s-maj=9.2km s-min=7.7km az=9.0.
NEIC Event type se.
JMA Event type fe. NW OFF OKINAWAJIMA IS .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.94 $M_{\theta\theta}$-2.44 $M_{\phi\phi}$4.38 $M_{r\theta}$-2.73 $M_{\theta\phi}$0.19 $M_{\phi r}$-1.14 NP1:ϕ_s39.00000°,δ71.00000°,λ-42.00000°. NP2:ϕ_s145.00000°,δ51.00000°,λ-155.00000°. $M_0$4.81000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s88,c120; s116,c197;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.51±.01 $M_{\theta\theta}$-0.26±.01; $M_{\phi\phi}$0.77±.01; $M_{r\theta}$-0.32±.01; $M_{\theta\phi}$0.07±.01; $M_{\phi r}$-0.12±.01; Best double couple: NP1:ϕ_s33.00000°,δ60.00000°,λ-51.00000°. NP2:ϕ_s154.00000°,δ48.00000°,λ-137.00000°. Principal axes: T 0.7970,Plg7.0000°,Azm96.0000°; N -0.0650,Plg33.0000°,Azm190.0000°; P -0.7320,Plg56.0000°,Azm356.0000° $M_0$0.76500×10^{17}
BGR Event type ke.
(95) Windward Islands
ISC III 25 14 46 31.1–.57 11.19N–.03 60.94W–.04 46–5 4.2b,3.2s 171 0-86
NEIC III 25 14 46 30.6–2.2 11.10N–.06 60.80W–.09 53–9 4.4b,3.2s ¶610435131
IDC III 25 14 46 31.1–.84 11.22N 61.09W 42–7 4.0,3.8b
TRN III 25 14 46 31.2 11.22N 60.83W 38 4.4,3.8b
FUNV III 25 14 46 32.8 11.26N 60.97W 19 4.3W,3.8b
VAO III 25 14 46 36.7–.36 10.39N 60.36W 10 4.5b,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.5km s-min=8.6km az=82.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=16.8km s-min=10.3km az=87.0.
TRN Event type fe. Felt int Tobago, MMI II.
VAO Error ellipse: s-maj=4.3km s-min=4.5km az=-1.0.
(662) Sakhalin Island
ISC III 25 15 38 24.0–1.2 53.03N–.03 143.08E–.04 24–9 4.1b 121 1-85
IDC III 25 15 38 20.9–.56 53.07N 142.91E 0 4.0b,3.9 ¶610435134
MOS III 25 15 38 20.5–1.1 53.00N 143.07E 12 4.3b,3.1s
SKHL III 25 15 38 21.8–.20 52.98N 142.90E 11–3 4.9b,3.1s
NEIC III 25 15 38 22.8–2.2 53.03N–.09 143.1E–.10 15–5 4.2b,3.1s
ISC Event type se.
MOS Event type fe. Felt (II-III) at Okha, Sabo, Tungor. Moment Tensor Solution.
SKHL Event type fe. Felt (II-III) at Okha, Tungor, Sabo.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(224) Hokkaido region
ISC III 26 11 47 21.9–.66 41.41N–.03 142.31E–.04 40–6 4.1b 71 1-147
NIED III 26 11 47 20.8 41.41N 142.33E 41 3.6W ¶610471022
JMA III 26 11 47 20.8–.10 41.4N–.60 142.3E–.70 41–3 3.9
NEIC III 26 11 47 22.6–1.4 41.49N–.07 142.3E–.10 39–11 4.2b
IDC III 26 11 47 23.4–2.2 41.40N 142.34E 56–19 4.4L,3.6
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-0.73 $M_{\theta\theta}$-1.98 $M_{\phi\phi}$2.70 $M_{r\theta}$-1.56 $M_{\theta\phi}$0.71 $M_{\phi r}$-0.35 NP1:ϕ_s49.00000°,δ75.00000°,λ-32.00000°. NP2:ϕ_s148.00000°,δ59.00000°,λ-162.00000°. $M_0$2.99000×10^{14}
JMA Event type fe. E OFF AOMORI PREF .
NEIC Event type se. Error ellipse: s-maj=16.9km s-min=1.8km az=128.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=25.2km s-min=13.4km az=107.0.
(228) Near east coast of eastern Honshu
ISC III 27 05 31 46.2–1.2 36.80N–.04 140.66E–.04 7–8 4.0b 66 0-148
JMA III 27 05 31 47.6–.02 36.72N–.06 140.6E–.10 7–0 3.8 ¶610471026
NIED III 27 05 31 47.6 36.72N 140.63E 7 3.6W
NEIC III 27 05 31 52.4–1.3 36.94N–.07 140.3E–.10 57–9 4.4b
IDC III 27 05 31 53.0–2.7 36.79N 140.56E 51–23 3.8,3.6L
ISC Event type ke.
JMA Event type fe. NORTHERN IBARAKI PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-2.77 $M_{\theta\theta}$1.33 $M_{\phi\phi}$1.45 $M_{r\theta}$-0.90 $M_{\theta\phi}$-1.59 $M_{\phi r}$1.00 NP1:ϕ_s137.00000°,δ58.00000°,λ-89.00000°. NP2:ϕ_s315.00000°,δ32.00000°,λ-92.00000°. $M_0$3.18000×10^{14}
NEIC Event type se. Error ellipse: s-maj=13.5km s-min=7.6km az=126.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=19.1km s-min=15.9km az=136.0.
(257) Negros
ISC III 27 08 20 40.2–.55 9.49N–.02 122.38E–.03 31–3 4.5b,3.7s 239 0-168
IDC III 27 08 20 35.3–.49 9.47N 122.48E 0 4.3,4.3b ¶610435273
NEIC III 27 08 20 38.3–1.6 9.53N–.05 122.50E–.07 12–3 4.6b,4.3b
MAN III 27 08 20 39.3 9.52N 122.28E 22 4.1b,2.9L
DJA III 27 08 20 49.0–2.3 9N–8.0 122E–4.0 11–19 5.0b,4.9
ISC Event type fe.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN Event type fe. INTENSITY IV - SIPALAY CITY NEGROS OCCIDENTAL; INTENSITY III - HINOBA-AN NEGROS OCCIDENTAL; BASAY NEGROS ORIENTAL; ILOILO CITY ILOILO; INTENSITY II - BAYAWAN CITY NEGROS ORIENTAL.
(223) Eastern Sea of Japan
ISC III 27 22 31 23.6–.22 42.03N–.03 138.67E–.02 21–2 5.5b,4.7s 1607 1-164
BJI III 27 22 31 18.1–.00 42.13N 139.09E 28 5.3b,5.1b ¶611832139
IDC III 27 22 31 19.9–.35 42.05N 138.47E 0 4.9,4.9b
NEIC III 27 22 31 21.8 42.04N 138.55E 12 4.9,4.9b
NEIC III 27 22 31 21.1–1.6 42.04N–.06 138.55E–.08 5–3 5.6b,5.1
NEIC III 27 22 31 21.8 42.04N 138.55E 12 5.6b,5.1
NEIC III 27 22 31 21.8 42.04N 138.55E 10 5.6b,5.1
JMA III 27 22 31 23.3–.22 42.0N–.50 139E–1.0 31–1 5.1W,5.0
NIED III 27 22 31 23.3 42.01N 138.70E 31 5.1W,5.0
SKHL III 27 22 31 24.7–.40 42.20N 138.50E 40–5 5.3,5.3b
MOS III 27 22 31 24.6–1.2 42.05N 138.43E 39 5.6b,5.0s
GCMT III 27 22 31 25.0–.10 42.07N–.01 138.38E–.02 12 5.2W,5.0s
BGR III 27 22 31 28.0 42.06N 138.51E 30–1 5.1b,5.0s
ISC Event type ke. Moment Tensor Solution. NP1:ϕ_s82.30964°,δ60.25698°,λ110.26226°. NP2:ϕ_s225.65622°,δ35.45919°,λ58.77987°. Principal axes: T Plg67.9356°,Azm32.9943°; N Plg17.4993°,Azm251.9312°; P Plg13.0120°,Azm157.7530°
IDC Error ellipse: s-maj=12.1km s-min=9.5km az=85.0.
NEIC Event type se. Moment Tensor Solution.Duration: 1s9 Moment tensor: Scale 10^{16}Nm; M_{rr}5.53 $M_{\theta\theta}$-4.05 $M_{\phi\phi}$-1.48 $M_{r\theta}$-0.15 $M_{\theta\phi}$-2.92 $M_{\phi r}$-2.30 NP1:ϕ_s219.95000°,δ54.31000°,λ68.80000°. NP2:ϕ_s73.56000°,δ40.78000°,λ116.72000°. Principal axes: T 6.2693,Plg71.0000°,Azm77.0000°; N -0.1455,Plg17.0000°,Azm233.0000°; P -6.1238,Plg7.0000°,Azm325.0000° $M_0$6.20000×10^{16}
NEIC Event type se. Error ellipse: s-maj=8.7km s-min=7.8km az=139.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}2.81 $M_{\theta\theta}$-1.48 $M_{\phi\phi}$-1.33 $M_{r\theta}$1.66 $M_{\theta\phi}$-1.37 $M_{\phi r}$0.86 NP1:ϕ_s218.22000°,δ29.12000°,λ75.07000°. NP2:ϕ_s55.20000°,δ61.95000°,λ98.17000°. Principal axes: T 3.4112,Plg72.0000°,Azm344.0000°; N -0.0949,Plg7.0000°,Azm231.0000°; P -3.3163,Plg17.0000°,Azm139.0000° $M_0$3.36000×10^{16}
NEIC Event type se.
NEIC Event type se.
JMA Event type fe. SW OFF HOKKAIDO .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}3.74 $M_{\theta\theta}$-2.62 $M_{\phi\phi}$-1.12 $M_{r\theta}$2.15 $M_{\theta\phi}$-1.76 $M_{\phi r}$1.82 NP1:ϕ_s53.00000°,δ63.00000°,λ86.00000°. NP2:ϕ_s241.00000°,δ27.00000°,λ97.00000°. $M_0$4.70000×10^{16}
MOS Error ellipse: s-maj=5.4km s-min=3.8km az=116.2.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s88,c122; s134,c225;Duration: 1s0 Moment tensor: Scale 10^{16}Nm; M_{rr}6.80±.11 $M_{\theta\theta}$-4.28±.11; $M_{\phi\phi}$-2.52±.11; $M_{r\theta}$-1.12±.31; $M_{\theta\phi}$-3.76±.09; $M_{\phi r}$-3.25±.37; Best double couple: NP1:ϕ_s218.00000°,δ58.00000°,λ74.00000°. NP2:ϕ_s65.00000°,δ35.00000°,λ113.00000°. Principal axes: T 7.8220,Plg72.0000°,Azm89.0000°; N 0.0290,Plg13.0000°,Azm226.0000°; P -7.8510,Plg11.0000°,Azm319.0000° $M_0$7.83600×10^{16}
BGR Event type ke.
(228) Near east coast of eastern Honshu
ISC III 28 08 34 57.1–1.5 37.22N–.04 141.31E–.06 13–8 3.7b 49 0-151
IDC III 28 08 34 54.9–.83 37.16N 141.40E 0 3.8b,3.7 ¶610471031
JMA III 28 08 34 57.9–.13 37.2N–.20 141.3E–.70 26–0 4.2,4.0
NIED III 28 08 34 57.9 37.24N 141.25E 26 3.8W,4.0
ISC Event type ke.
IDC Error ellipse: s-maj=21.0km s-min=17.3km az=124.0.
JMA Event type fe. E OFF FUKUSHIMA PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-2.86 $M_{\theta\theta}$4.20 $M_{\phi\phi}$-1.35 $M_{r\theta}$2.62 $M_{\theta\phi}$1.55 $M_{\phi r}$2.61 NP1:ϕ_s230.00000°,δ70.00000°,λ-117.00000°. NP2:ϕ_s106.00000°,δ33.00000°,λ-38.00000°. $M_0$5.42000×10^{14}
(259) Mindanao
ISC III 28 10 08 18.3–.71 8.12N–.02 126.08E–.03 20–3 4.5b,3.5s 167 0-144
DJA III 28 10 08 12.9–4.2 10N–11 126E–6.0 17–20 5.6,5.3b ¶610437824
IDC III 28 10 08 15.2–.55 8.10N 126.26E 0 4.3L,4.1
NEIC III 28 10 08 17.4–1.4 8.15N–.06 126.10E–.07 10–1 4.6b,4.1
MAN III 28 10 08 18.6 8.03N 126.14E 14 5.1b,4.1s
ISC Event type fe.
IDC Error ellipse: s-maj=21.6km s-min=11.1km az=90.0.
NEIC Event type se. Error ellipse: s-maj=12.5km s-min=9.3km az=101.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN Event type fe. INTENSITY IV - TRENTO AGUSAN DEL SUR; INTENSITY III - SANTA JOSEFA AGUSAN DEL SUR; INTENSITY II - BISLIG CITY; MONKAYO COMPOSTELLA VALLEY; ROSARIO AND BUNAWAN AGUSAN DEL SUR.
(233) Near south coast of western Honshu
ISC III 28 10 25 40.2–.85 33.68N–.05 135.41E–.05 10 3.6b 14 0-57
IDC III 28 10 25 39.2–1.3 33.59N 135.33E 0 3.4b,3.3 ¶610471032
JMA III 28 10 25 40.8–.04 33.7N–.10 135.5E–.10 12–0 4.0,3.9
NIED III 28 10 25 40.8 33.70N 135.46E 12 3.6W,3.9
ISC Event type ke.
IDC Error ellipse: s-maj=25.4km s-min=24.1km az=96.0.
JMA Event type fe. SOUTHERN WAKAYAMA PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-0.21 $M_{\theta\theta}$2.61 $M_{\phi\phi}$-2.40 $M_{r\theta}$-0.73 $M_{\theta\phi}$0.46 $M_{\phi r}$1.66 NP1:ϕ_s128.00000°,δ80.00000°,λ-31.00000°. NP2:ϕ_s224.00000°,δ60.00000°,λ-168.00000°. $M_0$3.08000×10^{14}
(228) Near east coast of eastern Honshu
ISC III 28 10 28 24.1–.96 36.02N–.05 140.08E–.06 71–8 3.5b 24 0-60
JMA III 28 10 28 25.2–.08 36.0N–.30 140.1E–.30 61–0 3.2 ¶610543845
IDC III 28 10 28 30.0–2.3 35.29N 138.25E 68–26 3.5,3.2b
ISC Event type ke.
JMA Event type fe. SOUTHERN IBARAKI PREF .
IDC Error ellipse: s-maj=40.7km s-min=22.4km az=68.0.
(228) Near east coast of eastern Honshu
ISC III 30 20 57 46.0–1.2 38.34N–.04 141.73E–.08 52–7 32 0-58
IDC III 30 20 57 36.3–2.5 38.62N 142.39E 0 3.5b,3.4 ¶614171415
JMA III 30 20 57 46.6–.09 38.4N–.20 141.7E–.40 54–0 3.7,3.4
ISC Event type ke.
JMA Event type fe. KINKAZAN REGION .
(226) Near west coast of eastern Honshu
ISC IV 01 10 43 24.3–.76 37.30N–.04 136.84E–.06 14 3.4b 15 0-93
IDC IV 01 10 43 22.4–1.0 37.29N 136.79E 0 3.4b,3.3 ¶610471059
JMA IV 01 10 43 23.2–.05 37.3N–.10 136.8E–.20 5–0 3.6,3.3
NIED IV 01 10 43 23.2 37.31N 136.77E 5 3.5W,3.3
ISC Event type ke.
IDC Error ellipse: s-maj=28.8km s-min=14.3km az=36.0.
JMA Event type fe. NOTO PENINSULA REGION .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}1.43 $M_{\theta\theta}$-0.07 $M_{\phi\phi}$-1.36 $M_{r\theta}$-0.05 $M_{\theta\phi}$-0.66 $M_{\phi r}$-1.32 NP1:ϕ_s189.00000°,δ66.00000°,λ77.00000°. NP2:ϕ_s39.00000°,δ27.00000°,λ117.00000°. $M_0$2.03000×10^{14}
(228) Near east coast of eastern Honshu
ISC IV 01 11 28 29.0–1.2 36.74N–.04 140.64E–.04 5–8 3.8b 59 0-91
IDC IV 01 11 28 28.1–.73 36.75N 140.63E 0 3.8L,3.7 ¶616497987
NIED IV 01 11 28 29.6 36.70N 140.65E 6 3.7W,3.7
JMA IV 01 11 28 29.6–.04 36.7N–.10 140.7E–.20 6–0 4.0,3.8
NEIC IV 01 11 28 33.5–1.2 36.80N–.07 140.6E–.10 35–4 4.0b,3.8
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-2.45 $M_{\theta\theta}$-0.05 $M_{\phi\phi}$2.50 $M_{r\theta}$-2.02 $M_{\theta\phi}$-1.38 $M_{\phi r}$1.81 NP1:ϕ_s138.00000°,δ68.00000°,λ-107.00000°. NP2:ϕ_s358.00000°,δ27.00000°,λ-54.00000°. $M_0$3.91000×10^{14}
JMA Event type fe. NORTHERN IBARAKI PREF .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(228) Near east coast of eastern Honshu
ISC IV 01 15 40 45.3–1.0 40.39N–.04 142.05E–.06 50–8 3.5b 31 0-66
JMA IV 01 15 40 45.3–.10 40.4N–.30 142.1E–.60 51–0 3.7 ¶610651713
IDC IV 01 15 40 46.1–2.4 40.40N 142.30E 70–21 3.6,3.3b
ISC Event type ke.
JMA Event type fe. NE OFF IWATE PREF .
IDC Error ellipse: s-maj=36.5km s-min=16.1km az=98.0.
(228) Near east coast of eastern Honshu
ISC IV 01 15 41 49.6–1.3 35.37N–.04 140.49E–.09 32–7 3.3b 17 0-59
IDC IV 01 15 41 48.2–2.6 34.84N 139.66E 0 3.3b,3.2 ¶610471060

JMA IV 01 15 41 50.5–.19 35.4N–.40 140.3E–.80 31–1 3.0,3.2
ISC Event type ke.
JMA Event type fe. KUJUKURI COAST BOSO PEN .

(256) Leyte

ISC IV 02 01 42 36.5–1.2 12.02N–.03 124.88E–.05 26–10 3.6b,3.2s 56 1-148
MAN IV 02 01 42 36.6 11.95N 124.87E 25 5.1b,4.2s **¶610651735**
IDC IV 02 01 42 46.7–2.5 11.84N 124.97E 127–25 3.9,3.4b
ISC Event type fe.
MAN Event type fe. INTENSITY IV-CATBALOGAN CITY SAMAR; INTENSITY III - PAGSANGHAN SAMAR.
IDC Error ellipse: s-maj=37.5km s-min=13.3km az=73.0.

(229) Off east coast of Honshu

ISC IV 02 03 32 16.4–.70 38.03N–.06 142.63E–.05 26–4 4.5b,3.8s 229 1-146
IDC IV 02 03 32 12.6–.56 37.96N 142.55E 0 4.1,4.1b **¶610470168**
BJI IV 02 03 32 12.0–.00 37.84N 142.73E 15 4.8b,4.5b
MOS IV 02 03 32 13.8–1.1 38.09N 142.58E 19 4.6b,4.5b
JMA IV 02 03 32 14.8–.23 38.0N–.60 142.6E–1.0 36–2 4.8,4.5
NIED IV 02 03 32 14.8 37.97N 142.58E 36 4.3W,4.5
NEIC IV 02 03 32 16.3–1.3 38.00N–.08 142.58E–.10 21–5 4.5b,4.5
ISC Event type ke.
JMA Event type fe. SE OFF MIYAGI PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.89 $M_{\theta\theta}$-0.16 $M_{\phi\phi}$1.05 $M_{r\theta}$-0.82 $M_{\theta\phi}$0.41 $M_{\phi r}$2.62 NP1:ϕ_s165.00000°,δ81.00000°,λ-103.00000°. NP2:ϕ_s43.00000°,δ16.00000°,λ-33.00000°. $M_0$2.94000$\times10^{15}$
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(219) Off east coast of Kamchatka Peninsula

ISC IV 02 10 25 16.7–.65 52.42N–.04 159.93E–.04 54–5 4.4b,3.5s 272 1-153
KRSC IV 02 10 25 13.1–1.6 52.33N 160.04E 42–22 4.9L,4.3 **¶610470179**
MOS IV 02 10 25 15.1–1.2 52.35N 159.85E 54 4.6b,4.3
NEIC IV 02 10 25 17.8–2.1 52.6N–.10 159.7E–.10 54–7 4.5b,4.3
IDC IV 02 10 25 20.5–1.4 52.58N 159.48E 82–10 4.1,3.7b
ISC Event type se.
KRSC Event type se.
MOS Event type fe. Error ellipse: s-maj=7.4km s-min=3.6km az=95.2. Felt (II) at Petropavlovsk-Kamchatskiy. Moment Tensor Solution.
NEIC Event type se. Error ellipse: s-maj=15.8km s-min=10.3km az=183.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=15.6km s-min=10.6km az=141.0.

(228) Near east coast of eastern Honshu

ISC IV 02 15 54 00.7–1.5 39.67N–.04 142.3E–.10 46–10 3.7b 35 0-67
IDC IV 02 15 53 52.3–1.7 39.78N 142.80E 0 3.6,3.6b **¶614786663**
JMA IV 02 15 54 01.5–.09 39.6N–.20 142.1E–.50 48–0 3.3,3.6b
ISC Event type ke.
JMA Event type fe. E OFF IWATE PREF .

(328) East of Lake Baykal

ISC IV 03 12 53 39.9–.45 56.23N–.02 118.17E–.02 16–2 4.9b,4.5s 821 1-154
IDC IV 03 12 53 37.1–.42 56.12N 118.11E 0 4.5,4.5b **¶610476573**
BYKL IV 03 12 53 37.5–.21 56.14N 118.04E 4.8W,4.5b
GCMT IV 03 12 53 37.6–.20 56.23N–.01 118.06E–.03 12–1 4.9W,4.5b
MOS IV 03 12 53 38.7–1.4 56.05N 118.07E 11 5.1b,4.7s
BJI IV 03 12 53 38.1–.00 56.01N 118.28E 6 6.0L,5.2s
NEIC IV 03 12 53 40.6–1.4 56.16N–.07 118.1E–.10 13–4 5.0b,5.2s
ISC Event type se.
BYKL Event type se. #STATIONS NIL ADK KULLO KBS GNI COLA TATO QIZ ERM KEV GRFO MAJO LSA PET. FELT I=IV MSK at Novaya Chara, Kuanda,Khani,Taksimo,III-IV at Olekma,Yuktali, FELT II at Chita. Moment Tensor Solution.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s39,c47; s108,c170;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.52±.13 $M_{\theta\theta}$1.96±.10; $M_{\phi\phi}$-0.45±.09; $M_{r\theta}$-0.18±.22; $M_{r\phi}$2.46±.07; $M_{\phi r}$0.74±.28; Best double couple: NP1:ϕ_s200.00000°,δ67.00000°,λ-151.00000°. NP2:ϕ_s97.00000°,δ63.00000°,λ-26.00000°. Principal axes: T 3.5060,Plg3.0000° ,Azm328.0000°; N -0.9960,Plg54.0000°,Azm234.0000°; P -2.5200,Plg36.0000° ,Azm60.0000° $M_0$3.01300$\times10^{16}$
MOS Event type fe. Felt (III-IV) at Novaya Chara; (III) at Taksimo; (II-III) at Chita. Moment Tensor Solution.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(228) Near east coast of eastern Honshu

ISC IV 03 14 49 03.5–1.9 38.41N–.06 142.23E–.08 29–11 3.7b 31 1-68
NIED IV 03 14 49 05.1 38.41N 142.11E 39 3.5W **¶610630671**
JMA IV 03 14 49 05.1–.13 38.4N–.30 142.1E–.80 39–1 3.7
IDC IV 03 14 49 07.1–3.2 38.43N 142.18E 64–26 3.5,3.3b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-0.24 $M_{\theta\theta}$-0.62 $M_{\phi\phi}$0.86 $M_{r\theta}$1.14 $M_{\theta\phi}$-0.22 $M_{\phi r}$1.80 NP1:ϕ_s211.00000°,δ87.00000°,λ-70.00000°. NP2:ϕ_s311.00000°,δ20.00000°,λ-170.00000°. $M_0$2.27000$\times10^{14}$
JMA Event type fe. E OFF MIYAGI PREF .
IDC Error ellipse: s-maj=29.9km s-min=16.5km az=100.0.

(249) Luzon

ISC IV 04 12 23 22.6–1.3 12.5N–.10 124.2E–.10 14 3.5b 8 1-49
IDC IV 04 12 23 17.8–1.2 11.95N 124.02E 0 3.5,3.5b **¶610651912**
MAN IV 04 12 23 25.0 13.15N 124.09E 27 3.8b,2.6L
ISC Event type fe.
IDC Error ellipse: s-maj=43.7km s-min=22.5km az=64.0.
MAN Event type fe. INTENSITY II - SORSOGON CITY.

(250) Mindoro

ISC IV 04 12 58 45.7–.43 13.65N–.02 120.98E–.02 17–2 5.3b,4.5s 818 0-178
IDC IV 04 12 58 42.5–.48 13.53N 121.01E 0 4.8,4.8b **¶610482611**
BJI IV 04 12 58 45.6–.00 13.37N 121.23E 44 5.1b,4.8s
MAN IV 04 12 58 45.1 13.69N 120.93E 6 5.9b,5.5s
NEIC IV 04 12 58 45.5–1.9 13.59N–.06 121.05E–.08 18–3 5.3b,5.1
GCMT IV 04 12 58 48.5–.20 13.82N–.01 121.00E–.01 17–1 5.2W,5.1
MOS IV 04 12 58 48.4–.96 13.61N 120.98E 55 5.4b,4.4s
NEIC IV 04 12 58 52.6 13.64N 121.05E 26 5.4b,4.4s
DJA IV 04 12 58 52.7–.60 14N–3.0 121E–3.0 81–6 5.6b,5.3b
NEIC IV 04 12 58 52.6 13.74N 120.74E 26 5.6b,5.3b
ISC Event type fe.
IDC Error ellipse: s-maj=13.8km s-min=10.0km az=82.0.
MAN Event type fe. INTENSITY VI - TINGLOY AND MABINI BATANGAS; BATANGAS CITY; INTENSITY V - MALVAR TAAL BAUAN AND CALATAGAN BATANGAS; INTENSITY IV - SAN NICOLAS CUENCA LEMERY AND LIPA CITY BATANGAS; MAKATI CITY; MANILA CITY; ; VALENZUELA CITY; OBANDO BULACAN; SILANG NOVELETA IMUS AMADEO AND INDANG CAVITE; ; TAGAYTAY CITY; CALAMBA SAN PABLO AND LOS BANOS LAGUNA;CALAPAN CITY; PUERTO GALERA; ORIENTAL MINDORO; INTENSITY III - SAN JOSE AND TALISAY BATANGAS; NAUJAN PINAMALAYAN ORIENTAL MINDORO; PALUAN; OCCIDENTAL MINDORO; MANDALUYONG CITY; QUEZON CITY; PASIG CITY; LAS PINAS CITY; TAGUIG CITY; ; PASAY CITY; GEN. TRIAS ROSARIO MOLINO AND DASMARINAS CAVITE ; LUCENA CITY; STA. ROSA LAGUNA;; INTENSITY II - ABRA DE ILOG OCCIDENTAL MINDORO; MEYCAUAYAN; BULACAN; CALAUAG AND GUMACA QUEZON.
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=8.7km az=91.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s40,c52; s106,c163;Duration: 1ṣ0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.67±.23 $M_{\theta\theta}$-4.25±.17; $M_{\phi\phi}$6.93±.17; $M_{r\theta}$4.27±.62; $M_{\theta\phi}$1.97±.12; $M_{\phi r}$-1.60±.40; Best double couple: NP1:ϕ_s331.00000°,δ68.00000°,λ-146.00000°. NP2:ϕ_s227.00000°,δ59.00000°,λ-26.00000°. Principal axes: T 7.3550,Plg6.0000° ,Azm98.0000°; N 0.8820,Plg50.0000°,Azm0.0000°; P -8.2270,Plg39.0000°,Azm192.0000° $M_0$7.79100$\times10^{16}$
MOS Error ellipse: s-maj=6.9km s-min=4.0km az=111.4.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 1ṣ9 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.37 $M_{\theta\theta}$-2.72 $M_{\phi\phi}$6.09 $M_{r\theta}$2.58 $M_{r\phi}$2.51 $M_{\phi r}$-0.24 NP1:ϕ_s229.94000°,δ62.07000°,λ-37.01000°. NP2:ϕ_s339.38000°,δ57.87000°,λ-146.42000°. Principal axes: T 6.7753,Plg3.0000°,Azm286.0000°; N -0.8312,Plg45.0000°,Azm18.0000° ; P -5.9440,Plg45.0000°,Azm193.0000° $M_0$6.36000$\times10^{16}$

(250) Mindoro

ISC IV 04 14 10 02.4–.97 13.56N–.03 121.00E–.03 25–7 4.7b,4.1s 203 1-119
IDC IV 04 14 09 58.2–.50 13.52N 120.95E 0 4.3,4.3b **¶610482619**
NEIC IV 04 14 10 00.7–1.5 13.56N–.07 121.0E–.10 10–1 4.7b,4.3b
MAN IV 04 14 10 00.0 13.64N 120.92E 4 4.4b,3.2L
BJI IV 04 14 10 01.4–.00 13.21N 121.07E 45 4.8b,4.5b
GCMT IV 04 14 10 02.7–.40 13.83N–.03 121.06E–.03 21–1 5.0W,4.5b
DJA IV 04 14 10 18.3–1.1 14N–4.0 121E–4.0 182–12 5.3b,4.7
ISC Event type fe.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN Event type fe. INTENSITY III - LEMERY BATANGAS; BATANGAS CITY AND TAGAYTAY CITY; INTENSITY II - PALUAN OCCIDENTAL MINDORO; INDANG MENDEZ AMADEO CAVITE AND LUCBAN QUEZON; THIS IS AN AFTERSHOCK OF 2017 M5.5 BATANGAS EARTHQUAKE EVENT.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s19,c19; s68,c87;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.09±.30 $M_{\theta\theta}$-0.88±.16; $M_{\phi\phi}$2.97±.19; $M_{r\theta}$1.95±.41; $M_{\theta\phi}$0.67±.10; $M_{\phi r}$-1.47±.29; Best double couple: NP1:ϕ_s336.00000°,δ67.00000°,λ-127.00000°. NP2:ϕ_s219.00000°,δ43.00000°,λ-35.00000°. Principal axes: T 3.3720,Plg14.0000° ,Azm92.0000°; N 0.5210,Plg34.0000°,Azm353.0000°; P -3.8920,Plg53.0000°,Azm202.0000° $M_0$3.63200$\times10^{16}$

(250) Mindoro

ISC IV 04 14 44 21.6–1.1 13.55N–.03 120.98E–.03 13–6 4.7b,4.2s 220 1-119
IDC IV 04 14 44 19.4–.47 13.54N 120.93E 0 4.7L,4.4 **¶610482621**
MAN IV 04 14 44 20.6 13.67N 120.94E 1 5.3b,4.4s
NEIC IV 04 14 44 21.4–1.3 13.59N–.07 121.1E–.10 10–1 4.9b,4.4s
BJI IV 04 14 44 22.5–.00 13.25N 121.31E 47 4.8b,4.5b
DJA IV 04 14 44 31.7–.50 14N–3.0 121E–3.0 97–5 5.5b,5.2
ISC Event type fe.
MAN Event type fe. INTENSITY III - LEMERY BATANGAS AND PUERTO GALERA ORIENTAL MINDORO; INTENSITY II - AMADEO CAVITE; LOS BANOS LAGUNA; TAGAYTAY CITY AND PALUAN OCCIDENTAL ; MINDORO; THIS IS AN AFTERSHOCK OF 2017 M5.5 BATANGAS EARTHQUAKE EVENT.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(331) Kazakhstan-Xinjiang border region

ISC IV 04 15 07 30.7–.32 47.22N–.02 84.96E–.02 18–1 5.4b,4.7s 1405 0-161
IDC IV 04 15 07 27.9–.36 47.28N 85.09E 0 5.1,5.1L **¶610482622**
BJI IV 04 15 07 28.2–.00 47.22N 85.12E 11 5.6L,5.3s
MOS IV 04 15 07 29.0–.99 47.17N 85.06E 18 5.6b,4.8s
BGR IV 04 15 07 30.5 46.32N 85.18E 33 5.8b,4.7s
GCMT IV 04 15 07 30.9–.20 47.28N–.01 85.08E–.02 33–1 5.3W,4.7s
NNC IV 04 15 07 30.1–1.4 47.26N 84.90E 0 6.0b,5.8
SOME IV 04 15 07 31.0 47.37N 84.78E 15 4.9s,5.8
NEIC IV 04 15 07 31.9–1.2 47.27N–.07 85.05E–.10 25–4 5.4b,5.1
ASRS IV 04 15 07 33.2–.18 47N–1.0 85E–1.0 10 6.4,5.1
NEIC IV 04 15 07 33.2 47.36N 84.74E 26 6.4,5.1
NEIC IV 04 15 07 33.2 47.26N 85.04E 26 6.4,5.1
ISC Event type ke.
IDC Error ellipse: s-maj=7.6km s-min=5.9km az=2.0.
MOS Event type fe. Error ellipse: s-maj=3.7km s-min=3.3km az=18.4. Felt (V-VI) at Zaisan. Moment Tensor Solution.
BGR Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s59,c75; s129,c212;Duration: 1ṣ0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.12±.03 $M_{\theta\theta}$-0.80±.02; $M_{\phi\phi}$0.68±.02; $M_{r\theta}$-0.34±.04; $M_{\theta\phi}$-0.49±.02; $M_{\phi r}$0.14±.03; Best double couple: NP1:ϕ_s297.00000°,δ88.00000°,λ157.00000°. NP2:ϕ_s28.00000°,δ67.00000°,λ2.00000°. Principal axes: T 0.9050,Plg17.0000° ,Azm251.0000°; N 0.1180,Plg67.0000°,Azm112.0000°; P -1.0220,Plg14.0000° ,Azm345.0000° $M_0$0.96400$\times10^{17}$
NNC Event type se. Error ellipse: s-maj=16.5km s-min=5.7km az=112.0.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=8.8km az=139.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ASRS Event type ke. Error ellipse: s-maj=3.5km s-min=1.5km az=126.0. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/tab. manual. confirmed.
NEIC Event type se. Moment Tensor Solution.Duration: 1ṣ9 Moment tensor: Scale 10^{16}Nm; M_{rr}0.31 $M_{\theta\theta}$-3.60 $M_{\phi\phi}$3.29 $M_{r\theta}$-0.10 $M_{r\phi}$-3.64 $M_{\phi r}$-1.05 NP1:ϕ_s202.17000°,δ85.96000°,λ11.73000°. NP2:ϕ_s111.33000°,δ78.30000°,λ175.87000°. Principal axes: T 5.0367,Plg11.0000°,Azm67.0000°; N 0.1789,Plg78.0000°,Azm221.0000° ; P -5.2156,Plg5.0000°,Azm336.0000° $M_0$5.13000$\times10^{16}$
NEIC Event type se.

(250) Mindoro

ISC IV 04 15 13 48.0–.97 13.65N–.02 121.02E–.03 18–5 5.2b,4.2s 449 0-119
IDC IV 04 15 13 44.1–.57 13.51N 120.84E 0 4.7,4.7b **¶610482623**
MOS IV 04 15 13 45.9–.89 13.62N 120.94E 18 5.3b,4.7b
MAN IV 04 15 13 47.1 13.66N 120.93E 9 5.6b,4.9s
NEIC IV 04 15 13 47.1–1.8 13.68N–.08 121.13E–.09 10–1 5.3b,4.9s
GCMT IV 04 15 13 50.1–.30 14.05N–.02 121.08E–.02 18–1 5.1W,4.9s
DJA IV 04 15 13 54.2–.90 14N–7.0 121E–4.0 78–7 5.3,5.2b
BJI IV 04 15 13 54.9–.00 13.80N 121.00E 83 5.2b,4.8b
ISC Event type fe.
IDC Error ellipse: s-maj=21.6km s-min=8.3km az=99.0.
MOS Error ellipse: s-maj=9.3km s-min=5.4km az=104.0.
MAN Event type fe. INTENSITY IV- LEMERY BATANGAS AND AMADEO CAVITE; INTENSITY II - TAGAYTAY CITY.
NEIC Event type se. Error ellipse: s-maj=14.8km s-min=12.8km az=92.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s24,c27; s90,c133;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.61±.27 $M_{\theta\theta}$-0.58±.14; $M_{\phi\phi}$4.19±.19; $M_{r\theta}$4.87±.59; $M_{\theta\phi}$0.10±.10; $M_{\phi r}$-2.23±.33; Best double couple: NP1:ϕ_s319.00000°,δ73.00000°,λ-117.00000°. NP2:ϕ_s200.00000°,δ32.00000°,λ-33.00000°. Principal axes: T 5.1750,Plg23.0000° ,Azm70.0000°; N 2.3180,Plg26.0000°,Azm327.0000°; P -7.4950,Plg54.0000°,Azm196.0000° $M_0$6.33500$\times10^{16}$

(250) Mindoro

ISC IV 04 16 49 01.4–.23 13.72N–.02 120.99E–.03 10 5.1b,4.3s 738 0-174
IDC IV 04 16 48 58.5–.45 13.56N 121.01E 0 4.6,4.6b **¶610482628**
MOS IV 04 16 49 00.2–.98 13.68N 120.95E 16 5.2b,4.6b
MAN IV 04 16 49 01.1 13.69N 120.93E 7 5.6b,4.9s
NEIC IV 04 16 49 02.2–1.8 13.77N–.06 120.97E–.09 10–1 5.2b,4.9s
GCMT IV 04 16 49 04.2–.20 13.80N–.01 120.99E–.01 19–1 5.1W,4.9s
BJI IV 04 16 49 07.4–.00 13.71N 121.08E 79 5.0b,4.7b
DJA IV 04 16 49 09.3–.40 14N–3.0 121E–2.0 73–4 5.3b,5.1
ISC Event type fe.
MAN Event type fe. INTENSITY IV- MABINI LEMERY BATANGAS; AMADEO CAVITE; INTENSITY III - TAGAYTAY CITY; QUEZON CITY; PASIG CITY; PASAY CITY;; GEN. TRIAS CAVITE; LOS BANOS LAGUNA; INTENSITY II - TALISAY BATANGAS.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s37,c44; s105,c170;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.09±.15 $M_{\theta\theta}$-4.17±.11; $M_{\phi\phi}$5.26±.14; $M_{r\theta}$1.01±.24; $M_{\theta\phi}$0.93±.09; $M_{\phi r}$0.31±.25; Best double couple: NP1:ϕ_s229.00000°,δ81.00000°,λ-14.00000°. NP2:ϕ_s321.00000°,δ76.00000°,λ-171.00000°. Principal axes: T 5.3760,Plg4.0000° ,Azm276.0000°; N -0.8390,Plg74.0000°,Azm19.0000°; P -4.5370,Plg16.0000° ,Azm185.0000° $M_0$4.95700$\times10^{16}$

(228) Near east coast of eastern Honshu

ISC IV 04 16 55 13.1–1.4 37.18N–.07 141.6E–.10 76–9 33 1-57
IDC IV 04 16 55 12.6–3.5 37.19N 141.66E 78–32 3.6,3.1b **¶614788355**
JMA IV 04 16 55 14.7–.11 37.2N–.30 141.4E–.70 78–0 3.8,3.1b
ISC Event type ke.
JMA Event type fe. E OFF FUKUSHIMA PREF .

(97) Near coast of Venezuela

ISC IV 04 21 50 14.2–1.2 10.38N–.03 62.16W–.03 13–7 4.7b,3.9s 328 1-161
NEIC IV 04 21 50 14.1–1.6 10.32N–.04 62.15W–.05 10–1 4.9b,4.4 **¶610483611**
CAR IV 04 21 50 14.9–2.7 10.45N–.05 62.14W–.06 4–3 4.9b,4.4
TRN IV 04 21 50 14.2 10.40N 62.12W 7 5.0,4.4
FUNV IV 04 21 50 15.3 10.43N 62.12W 6 4.8W,4.4
VAO IV 04 21 50 18.5–.63 10.14N 62.08W 10 4.5b,4.4

IDC IV 04 21 50 19.8–1.6 10.60N 62.38W 49–15 4.4,4.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=2.8km az=131.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
CAR Event type se. Error ellipse: s-maj=9.0km s-min=7.0km az=108.0. hypocenter. manual.
TRN Event type fe. Felt Trinidad, III.
VAO Error ellipse: s-maj=7.8km s-min=5.5km az=-1.0.
IDC Error ellipse: s-maj=12.0km s-min=9.0km az=85.0.

(250) Mindoro
ISC IV 05 04 34 29.2–.98 13.72N–.03 120.90E–.03 15–7 3.3b 34 0-39
IDC IV 05 04 34 24.6–2.4 12.84N 118.39E 0 3.4,3.4b **¶610651963**
MAN IV 05 04 34 29.4 13.83N 120.90E 30 4.3b,3.1L
ISC Event type ke.
IDC Error ellipse: s-maj=315.0km s-min=27.4km az=71.0.
MAN Event type fe. PEIS IV - MABINI BATANGAS; PEIS II - MANILA CITY.

(250) Mindoro
ISC IV 05 06 26 26.2–1.1 13.71N–.02 121.00E–.03 5–8 3.8b 47 0-39
IDC IV 05 06 26 24.9–1.1 13.60N 121.16E 0 3.9,3.8b **¶610651969**
MAN IV 05 06 26 26.6 13.73N 120.91E 3 4.5b,3.4L
ISC Event type fe.
IDC Error ellipse: s-maj=54.7km s-min=8.5km az=68.0.
MAN Event type fe. PEIS III - BATANGAS CITY.

(250) Mindoro
ISC IV 05 06 31 48.5–.94 13.71N–.02 120.93E–.03 11–7 3.8b 46 0-56
IDC IV 05 06 31 46.2–.99 13.56N 121.02E 0 3.8,3.8b **¶610651971**
MAN IV 05 06 31 48.7 13.80N 120.91E 20 4.8b,3.8L
ISC Event type fe.
IDC Error ellipse: s-maj=39.7km s-min=8.5km az=80.0.
MAN Event type fe. INTENSITY IV - BATANGAS CITY; THIS IS AN AFTERSHOCK OF 2017 M5.5 BATANGAS EARTHQUAKE EVENT.

(228) Near east coast of eastern Honshu
ISC IV 05 20 00 13.6–.72 39.61N–.03 142.05E–.06 51–5 4.3b 109 0-81
NIED IV 05 20 00 13.5 39.63N 142.11E 48 4.1W **¶610505782**
JMA IV 05 20 00 13.5–.09 39.6N–.20 142.1E–.60 48–0 4.2,4.1
NEIC IV 05 20 00 14.2–1.1 39.64N–.06 142.1E–.10 53–9 4.5b,4.1
IDC IV 05 20 00 18.6–2.0 39.67N 142.01E 98–18 4.2,3.8b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.87 $M_{\theta\theta}$0.14 $M_{\phi\phi}$-1.01 $M_{r\theta}$0.37 $M_{\theta\phi}$-0.39 $M_{\phi r}$0.93 NP1:ϕ_s21.00000°,δ67.00000°,λ94.00000°. NP2:ϕ_s191.00000°,δ23.00000°,λ81.00000°. $M_0$1.41000$\times10^{15}$
JMA Event type fe. E OFF IWATE PREF .
NEIC Event type se. Error ellipse: s-maj=13.9km s-min=7.8km az=108.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=16.1km s-min=11.7km az=100.0.

(250) Mindoro
ISC IV 06 02 29 39.7–.92 13.69N–.03 120.95E–.03 15–7 3.5b 30 0-59
IDC IV 06 02 29 36.4–1.7 13.48N 120.98E 0 3.6s,3.4 **¶610652042**
MAN IV 06 02 29 40.6 13.81N 120.82E 21 4.5b,3.3L
ISC Event type fe.
IDC Error ellipse: s-maj=129.8km s-min=10.1km az=83.0.
MAN Event type fe. INTENSITY III - MABINI BATANGAS.

(235) Kyushu
ISC IV 06 09 31 43.6–.68 31.03N–.04 129.21E–.06 10 3.6b,3.4s 25 1-75
NIED IV 06 09 31 40.8 31.04N 129.00E 11 4.1W,3.4s **¶610630693**
JMA IV 06 09 31 40.8–.30 31.0N–.50 129E–1.0 11–2 4.3,4.1
IDC IV 06 09 31 42.3–.87 30.87N 129.13E 0 3.6,3.5b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.13 $M_{\theta\theta}$0.71 $M_{\phi\phi}$-0.84 $M_{r\theta}$0.30 $M_{\theta\phi}$0.88 $M_{\phi r}$1.28 NP1:ϕ_s18.00000°,δ88.00000°,λ131.00000°. NP2:ϕ_s110.00000°,δ41.00000°,λ3.00000°. $M_0$1.76000$\times10^{15}$
JMA Event type fe. SW OFF KYUSHU .
IDC Error ellipse: s-maj=27.4km s-min=17.3km az=90.0.

(227) Eastern Honshu
ISC IV 06 10 05 07.2–1.2 36.81N–.03 138.73E–.03 1–8 3.7b,3.5s 35 0-97
IDC IV 06 10 05 06.5–.72 36.74N 138.70E 0 3.8,3.8b **¶610518278**
NIED IV 06 10 05 07.2 36.83N 138.73E 5 4.0W,3.8b
JMA IV 06 10 05 07.2–.08 36.8N–.30 138.7E–.30 5–2 3.8,3.8b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.27 $M_{\theta\theta}$0.47 $M_{\phi\phi}$-0.74 $M_{r\theta}$0.52 $M_{\theta\phi}$-0.86 $M_{\phi r}$-0.15 NP1:ϕ_s68.00000°,δ73.00000°,λ155.00000°. NP2:ϕ_s166.00000°,δ66.00000°,λ19.00000°. $M_0$1.20000$\times10^{15}$
JMA Event type fe. MID NIIGATA PREF .

(227) Eastern Honshu
ISC IV 06 10 52 28.5–1.2 36.84N–.03 138.71E–.03 1–12 27 0-51
IDC IV 06 10 52 27.4–1.7 36.85N 138.72E 0 3.5,3.5b **¶614789582**
JMA IV 06 10 52 28.6–.07 36.8N–.30 138.7E–.30 5–2 3.6,3.5b
NIED IV 06 10 52 28.6 36.83N 138.72E 5 3.8W,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=18.7km s-min=11.1km az=132.0.
JMA Event type fe. MID NIIGATA PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}1.91 $M_{\theta\theta}$2.96 $M_{\phi\phi}$-4.87 $M_{r\theta}$2.51 $M_{\theta\phi}$-4.00 $M_{\phi r}$-1.83 NP1:ϕ_s163.00000°,δ71.00000°,λ28.00000°. NP2:ϕ_s63.00000°,δ63.00000°,λ159.00000°. $M_0$6.62000$\times10^{14}$

(235) Kyushu
JMA IV 06 17 30 55.0–.03 33.8N–.10 130.14E–.09 10–0 3.5
NIED IV 06 17 30 55.0 33.76N 130.14E 10 3.2W **¶614789856**
JMA Event type fe. NW OFF KYUSHU .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{13}Nm; M_{rr}-1.13 $M_{\theta\theta}$-4.06 $M_{\phi\phi}$5.19 $M_{r\theta}$0.76 $M_{\theta\phi}$3.26 $M_{\phi r}$-5.32 NP1:ϕ_s338.00000°,δ87.00000°,λ-136.00000°. NP2:ϕ_s245.00000°,δ46.00000°,λ-4.00000°. $M_0$7.65000$\times10^{13}$

(662) Sakhalin Island
ISC IV 07 12 11 12.4–.79 46.99N–.03 142.61E–.03 11–5 4.0b,3.4s 89 0-83
IDC IV 07 12 11 10.5–.77 47.05N 142.52E 0 3.7,3.7b **¶610518543**
SKHL IV 07 12 11 11.3–.40 47.02N 142.60E 13–2 5.0b,4.7s
MOS IV 07 12 11 11.5–.98 46.94N 142.59E 12 4.3b,3.5s
NIED IV 07 12 11 17.0 46.81N 142.08E 20 4.0W,3.5s
JMA IV 07 12 11 17.0–.93 47N–4.0 142E–5.0 20 4.0,3.5s
ISC Event type ke.
SKHL Event type fe. Felt (III-IV) at Elochki, Dal'nee, Troiyskoye, Yuzhno-Sakhalinsk, Uspenskoye, (III) at Lugovoye, Novaya Derevnya, Kluchi, Novoaleksandrovsk, Sanatorniy, Ogon'ki, (II-III) at Aniva, Hristoforovka, Dolinsk, Taranay,Korsakov, (II) at Kholmsk, Starodubskoye, Nevel'sk.
MOS Event type fe. Felt (III-IV) at Dal'neye, Elochki, Troitskoye, Uspenskoye, Yuzhno-Sakhalinsk; (III) at Klyuchi, Lugovoye, Novaya Derevnya, Novoaleksandrovsk, Ogon'ki, Sanatornoye; (II-III) at Aniva, Dolinsk, Korsakov, Khristoforovka, Taranai; (II) at Nevel'sk, Starodubskoye, Kholmsk. Moment Tensor Solution.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.99 $M_{\theta\theta}$-0.04 $M_{\phi\phi}$-0.96 $M_{r\theta}$0.10 $M_{\theta\phi}$-0.39 $M_{\phi r}$-0.03 NP1:ϕ_s26.00000°,δ46.00000°,λ99.00000°. NP2:ϕ_s193.00000°,δ45.00000°,λ81.00000°. $M_0$1.05000$\times10^{15}$
JMA Event type ke. SOUTH SAKHALIN .

(221) Kuril Islands
ISC IV 07 14 01 38.7–.38 44.97N–.04 147.39E–.04 133–3 4.5b 737 0-153
BJI IV 07 14 01 37.3–.00 45.04N 147.49E 143 5.0b,4.9b **¶610518544**
MOS IV 07 14 01 38.0–1.0 44.98N 147.36E 139 4.6b,4.9b
NIED IV 07 14 01 38.3 44.79N 147.57E 139 4.6W,4.9b
JMA IV 07 14 01 38.3–.49 45N–2.0 148E–3.0 139 4.4,4.9b
IDC IV 07 14 01 38.9–.46 45.12N 147.21E 128–3 4.6,4.1b
SKHL IV 07 14 01 38.2–.00 44.80N 147.60E 136–5 6.1,5.7b
NEIC IV 07 14 01 40.6–1.7 45.16N–.08 147.2E–.10 138–6 4.5b,5.7b
BGR IV 07 14 01 58.3 47.89N 145.89E 130 4.6b,5.7b
ISC Event type ke.
MOS Event type fe. Error ellipse: s-maj=6.4km s-min=4.4km az=100.6. Felt (II-III) at Malokuril'skoye. Moment Tensor Solution.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}1.65 $M_{\theta\theta}$0.23 $M_{\phi\phi}$-1.88 $M_{r\theta}$-5.28 $M_{\theta\phi}$-0.49 $M_{\phi r}$-6.92 NP1:ϕ_s217.00000°,δ85.00000°,λ96.00000°. NP2:ϕ_s350.00000°,δ8.00000°,λ43.00000°. $M_0$8.90000$\times10^{15}$
JMA Event type ke. NEAR ETOROFU ISLAND .
IDC Error ellipse: s-maj=10.1km s-min=7.0km az=150.0.
NEIC Event type se. Error ellipse: s-maj=13.0km s-min=10.2km az=121.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BGR Event type ke.

(95) Windward Islands
ISC IV 07 21 45 34.1–.89 12.40N–.03 60.39W–.04 58–8 4.1b 127 1-152
NEIC IV 07 21 45 33.9–1.4 12.31N–.06 60.32W–.06 48–11 4.3b **¶610521457**
IDC IV 07 21 45 33.9–3.0 12.40N 60.37W 56–28 4.4L,4.0
TRN IV 07 21 45 33.4 12.41N 60.42W 30 4.4,4.0
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=5.8km az=139.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=18.2km s-min=13.9km az=88.0.
TRN Event type fe. Felt St. Vincent, MMI III.

(250) Mindoro
ISC IV 08 07 07 58.6–.35 13.65N–.02 120.94E–.03 26–2 5.7s,5.5b 1145 0-178
IDC IV 08 07 07 53.4–.34 13.58N 120.85E 0 5.4s,4.9 **¶616566854**
MAN IV 08 07 07 55.0 13.66N 120.88E 8 6.2b,5.8s
MOS IV 08 07 07 55.7–.90 13.68N 120.85E 22 5.6b,5.6s
NEIC IV 08 07 07 56.7–1.5 13.71N–.06 120.93E–.07 10–3 5.6b,5.5
KLM IV 08 07 07 56 13.95N 121.16E 10 5.3b,5.5
NEIC IV 08 07 07 57 13.71N 120.93E 12 5.3b,5.5
NEIC IV 08 07 07 57 13.81N 121.14E 12 5.3b,5.5
BJI IV 08 07 07 59.2–.00 13.74N 121.01E 50 5.9s,5.6
DJA IV 08 07 08 00.6–.20 14N–2.0 121E–2.0 44–2 5.8b,5.7
NEIC IV 08 07 08 01.3 13.72N 120.89E 43 5.8b,5.7
ISC Event type fe. Moment Tensor Solution. NP1:ϕ_s24.31637°,δ86.01547°,λ-27.47205°. NP2:ϕ_s116.38554°,δ62.59994°,λ-175.51100°. Principal axes: T Plg16.0381°,Azm73.5650°; N Plg62.2628°,Azm196.7043°; P Plg21.9963°,Azm336.8967°
IDC Error ellipse: s-maj=10.9km s-min=6.6km az=92.0.
MAN Event type fe. INTENSITY VII - MABINI BATANGAS; INTENSITY VI - CALATAGAN NASUGBU AND TINGLOY BATANGAS; INTENSITY V - BATANGAS CITY STO. TOMAS AND LEMERY BATANGAS; TAGAYTAY CITY; INTENSITY IV- DASMARINAS CAVITE: LUCENA CITY; PATEROS CITY; INTENSITY III - MAKATI CITY; PASAY CITY; QUEZON CITY; MUNTINLUPA CITY; MALABON CITY; ; MANDALUYONG CITY; BACOOR CAVITE; INTENSITY II - DAET CAMARINES NORTE.
MOS Error ellipse: s-maj=7.8km s-min=4.3km az=110.1.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=8.7km az=81.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.14 $M_{\theta\theta}$-1.30 $M_{\phi\phi}$1.16 $M_{r\theta}$-0.19 $M_{\theta\phi}$0.20 $M_{\phi r}$-0.29 NP1:ϕ_s138.85000°,δ74.18000°,λ173.66000°. NP2:ϕ_s230.59000°,δ83.90000°,λ15.91000°. Principal axes: T 1.2607,Plg16.0000°,Azm96.0000°; N 0.0718,Plg73.0000°,Azm251.0000°; P -1.3325,Plg7.0000°,Azm4.0000° $M_0$1.30000$\times10^{17}$
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2s8 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.03 $M_{\theta\theta}$-2.02 $M_{\phi\phi}$2.05 $M_{r\theta}$-0.30 $M_{\theta\phi}$-0.19 $M_{\phi r}$0.83 NP1:ϕ_s311.16000°,δ81.92000°,λ160.20000°. NP2:ϕ_s44.06000°,δ70.40000°,λ8.58000°. Principal axes: T 2.3591,Plg20.0000°,Azm266.0000°; N -0.2927,Plg69.0000°,Azm110.0000°; P -2.0664,Plg8.0000°,Azm359.0000° $M_0$2.21000$\times10^{17}$
NEIC Event type se.

(250) Mindoro
ISC IV 08 07 09 23.8–.41 13.68N–.02 120.94E–.02 25–2 5.7s,5.5b 913 0-171
IDC IV 08 07 09 19.1–.37 13.55N 120.86E 0 5.6s,5.2 **¶610639847**
MAN IV 08 07 09 20.5 13.66N 120.88E 2 6.3b,6.0s
BJI IV 08 07 09 21.9–.00 13.49N 121.20E 41 6.0s,5.7
NEIC IV 08 07 09 23.2–1.6 13.77N–.06 120.94E–.08 14–3 5.9,5.8
GCMT IV 08 07 09 24.2–.10 13.75N 120.96E 16–0 5.9W,5.8
NEIC IV 08 07 09 24.5 13.74N 121.02E 24 5.9W,5.8
NEIC IV 08 07 09 24.5 13.74N 120.91E 22 5.9W,5.8
NEIC IV 08 07 09 24.5 13.74N 120.91E 24 5.9W,5.8
ISC Event type fe.
IDC Error ellipse: s-maj=11.1km s-min=7.1km az=91.0.
MAN Event type fe. INTENSITY VII - MABINI BATANGAS; INTENSITY VI - TINGLOY BAUAN CALATAGAN CUENCA CALACA AND NASUGBU BATANGAS; INTENSITY V - BATANGAS CITY STO. TOMAS SAN PASCUAL AND TANAUAN BATANGAS; SAN PABLO ; LAGUNA;GEN. EMILIO AGUINALDO & INDANG CAVITE; CALAPAN & PUERTO GALERA OR. MINDORO; ; TAGAYTAYCITY; INTENSITY IV- LEMERY & TAAL BATANGAS; OBANDO BULACAN; SAN TEODORO OR. MINDORO; MAMBURAO ; &SAN JOSE OCC. MINDORO; CALOOCAN CITY; VALENZUELA CITY; DASMARINAS CAVITE; STA. CRUZ & ; CALAMBA LAGUNA; LUCENA CITY; PATEROS; MANILA CITY; ; INTENSITY III - MAKATI CITY; PASIG CITY; PASAY CITY; QUEZON CITY; MUNTINLUPA CITY; MALABON CITY; ; MANDALUYONG CITY; TAGUIG CITY; IMUS AND BACOOR CAVITE; LUCBAN SAN ANDRES & SARIAYA ; QUEZON;DAET CAM.NORTE; STA. ROSA LAGUNA; GEN. TRIAS CAVITE; BOCAUE & MALOLOS BULACAN; ; SANFERNANDOPAMPANGA; INTENSITY II - CALUMPIT BULACAN; GUINAYANGAN QUEZON.
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=8.8km az=83.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.09 $M_{\theta\theta}$-6.10 $M_{\phi\phi}$6.19 $M_{r\theta}$-0.21 $M_{\theta\phi}$-1.10 $M_{\phi r}$-0.84 NP1:ϕ_s129.70000°,δ83.02000°,λ176.75000°. NP2:ϕ_s220.10000°,δ86.77000°,λ6.99000°. Principal axes: T 6.3970,Plg7.0000°,Azm85.0000°; N -0.1854,Plg82.0000°,Azm245.0000°; P -6.2116,Plg3.0000°,Azm355.0000° $M_0$6.31000$\times10^{17}$
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s151,c307; s168,c494; Duration: 2s3 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.18±.01 $M_{\theta\theta}$-0.92±.01; $M_{\phi\phi}$1.10±.01; $M_{r\theta}$0.01±.02; $M_{\theta\phi}$-0.04±.01; $M_{\phi r}$0.15±.02; Best double couple: NP1:ϕ_s44.00000°,δ86.00000°,λ5.00000°. NP2:ϕ_s314.00000°,δ85.00000°,λ176.00000°. Principal axes: T 1.1190,Plg7.0000°,Azm269.0000°; N -0.2030,Plg83.0000°,Azm81.0000°; P -0.9200,Plg1.0000°,Azm179.0000° $M_0$1.02000$\times10^{18}$
NEIC Event type se. Moment Tensor Solution.Duration: 4s7 Moment tensor: Scale 10^{17}Nm; M_{rr}1.72 $M_{\theta\theta}$-10.35 $M_{\phi\phi}$8.63 $M_{r\theta}$-0.54 $M_{\theta\phi}$0.46 $M_{\phi r}$2.00 NP1:ϕ_s315.36000°,δ81.50000°,λ167.31000°. NP2:ϕ_s47.27000°,δ77.46000°,λ8.71000°. Principal axes: T 9.1767,Plg15.0000°,Azm271.0000°; N 1.2144,Plg75.0000°,Azm102.0000°; P -10.3911,Plg3.0000°,Azm2.0000° $M_0$9.78000$\times10^{17}$
NEIC Event type se.
NEIC Event type se.

(250) Mindoro
ISC IV 08 08 36 36.3–.74 13.62N–.02 121.04E–.02 20–3 4.6b,4.1s 182 0-119
IDC IV 08 08 36 32.4–.56 13.58N 121.24E 0 4.3,4.3b **¶610521494**
MAN IV 08 08 36 34.0 13.63N 120.90E 5 5.5b,4.7s
NEIC IV 08 08 36 35.6–2.0 13.65N–.05 121.1E–.10 10–1 4.7b,4.7s
BJI IV 08 08 36 38.1–.00 13.76N 121.16E 36 5.0b,4.6b
ISC Event type fe.
IDC Error ellipse: s-maj=20.7km s-min=8.0km az=62.0.
MAN Event type fe. INTENSITY IV - TAAL BATANGAS; CUENCA BATANGAS; INTENSITY III - LEMERY BATANGAS; TAGAYTAY CITY; STA. CRUZ AND STA. ROSA LAGUNA; GEN. TRIAS; CAVITE.
NEIC Event type se. Error ellipse: s-maj=17.7km s-min=5.5km az=70.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(211) Southeast of Honshu
ISC IV 08 14 17 33.6–.81 32.70N–.04 140.50E–.05 20–3 4.5b,4.0s 329 1-147
IDC IV 08 14 17 35.9–2.2 32.62N 140.28E 39–19 4.2,4.0b **¶610523714**
NEIC IV 08 14 17 35.7–1.9 32.68N–.06 140.3E–.10 30–6 4.6b,4.0b
NIED IV 08 14 17 36.7 32.75N 140.23E 43 4.2W,4.0b
MOS IV 08 14 17 36.1–1.9 32.77N 140.49E 40 4.6b,4.0b
JMA IV 08 14 17 36.7–.14 32.8N–.20 140E–2.0 43–3 4.7,4.5
ISC Event type ke. Moment Tensor Solution. NP1:ϕ_s261.02097°,δ39.50710°,λ47.82728°. NP2:ϕ_s130.59958°,δ61.86934°,λ118.96771°. Principal axes: T Plg61.5165°,Azm86.4971°; N Plg25.2841°,Azm295.9717°; P Plg12.2499°,Azm200.0852°
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.94 $M_{\theta\theta}$-1.18 $M_{\phi\phi}$0.24 $M_{r\theta}$-0.92 $M_{\theta\phi}$1.35 $M_{\phi r}$-0.45 NP1:ϕ_s266.00000°,δ69.00000°,λ42.00000°. NP2:ϕ_s158.00000°,δ51.00000°,λ153.00000°. $M_0$2.00000$\times10^{15}$
JMA Event type fe. E OFF HACHIJOJIMA ISLAND.

(95) Windward Islands
TRN IV 08 19 19 40.5 11.26N 60.78W 41 4.0

¶616051551
TRN Event type fe. Felt Tobago, MMI III.
(228) Near east coast of eastern Honshu
ISC IV 08 22 20 14.1–.30 37.51N–.03 141.54E–.03 52–2 5.1b,4.3s 1313 1-165
IDC IV 08 22 20 07.1–.41 37.50N 141.50E 0 5.0,5.0b ¶610523731
BJI IV 08 22 20 10.0–.00 37.48N 141.66E 41 5.2b,4.7b
MOS IV 08 22 20 11.9–.85 37.51N 141.60E 50 5.4b,4.1s
NIED IV 08 22 20 13.3 37.51N 141.57E 45 4.9W,4.1s
NEIC IV 08 22 20 14.0–1.3 37.56N–.05 141.56E–.07 43–5 5.2b,4.8
JMA IV 08 22 20 13.3–.11 37.5N–.30 141.6E–.70 45–1 5.0,4.9W
NEIC IV 08 22 20 14.2 37.54N 141.50E 43 5.0,4.9W
GCMT IV 08 22 20 15.0–.20 37.55N–.01 141.66E–.02 46–1 5.0W,4.9W
BGR IV 08 22 20 18.1 38.20N 142.06E 50–0 5.2b,4.4s
ISC Event type ke. Moment Tensor Solution. NP1:ϕ_s39.66672°,δ71.46724°,λ124.90035°. NP2: ϕ_s154.16153°,δ38.95707°,λ30.36664°. Principal axes: T Plg50.7697°,Azm349.4362° ; N Plg32.8526°,Azm207.1645°; P Plg18.9720°,Azm104.3380°
IDC Error ellipse: s-maj=12.2km s-min=9.9km az=108.0.
MOS Error ellipse: s-maj=6.4km s-min=4.6km az=108.7.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}1.78 $M_{\theta\theta}$-0.31 $M_{\phi\phi}$-1.47 $M_{r\theta}$1.00 $M_{\theta\phi}$-0.41 $M_{\phi r}$2.15 NP1:ϕ_s23.00000°,δ72.00000°,λ93.00000°. NP2:ϕ_s193.00000° ,δ18.00000°,λ80.00000°. $M_0$2.91000×10^{16}
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=7.6km az=93.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.84 $M_{\theta\theta}$-0.02 $M_{\phi\phi}$-0.81 $M_{r\theta}$0.78 $M_{\theta\phi}$-0.17 $M_{\phi r}$1.90 NP1:ϕ_s182.35000°,δ11.64000°,λ71.24000°. NP2:ϕ_s21.47000°,δ78.98000° ,λ93.79000°. Principal axes: T 2.2245,Plg56.0000°,Azm296.0000°; N -0.0123,Plg4.0000° ,Azm201.0000°; P -2.2122,Plg34.0000°,Azm108.0000° $M_0$2.22000×10^{16}
JMA Event type fe. E OFF FUKUSHIMA PREF .
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s55,c70; s104,c165;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.78±.16 $M_{\theta\theta}$-0.66±.11; $M_{\phi\phi}$-3.12±.10; $M_{r\theta}$1.10±.08; $M_{\theta\phi}$-0.93±.07; $M_{\phi r}$2.19±.09; Best double couple: NP1:ϕ_s23.00000°,δ62.00000°,λ94.00000°. NP2:ϕ_s195.00000°,δ28.00000°,λ83.00000°. Principal axes: T 4.5420,Plg73.0000° ,Azm302.0000°; N -0.3710,Plg3.0000°,Azm201.0000°; P -4.1760,Plg17.0000° ,Azm110.0000° $M_0$4.35900×10^{16}
BGR Event type ke.
(224) Hokkaido region
ISC IV 09 07 58 08.5–1.8 42.93N–.09 145.53E–.05 43–12 25 0-3
SKHL IV 09 07 58 08.8–.20 42.90N 145.60E 39–6 4.3b ¶614791745
JMA IV 09 07 58 08.7–.10 43.0N–.40 145.5E–.50 46–0 3.3
ISC Event type ke.
JMA Event type fe. OFF NEMURO PENINSULA .
(235) Kyushu
ISC IV 09 12 39 49.2–1.1 32.74N–.04 130.67E–.06 12 14 0-8
NIED IV 09 12 39 48.9 32.77N 130.77E 8 3.6W ¶610524811
JMA IV 09 12 39 48.9–.03 32.77N–.09 130.8E–.10 8–0 3.6
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-0.63 $M_{\theta\theta}$3.14 $M_{\phi\phi}$-2.51 $M_{r\theta}$-0.76 $M_{\theta\phi}$0.43 $M_{\phi r}$-0.46 NP1:ϕ_s41.00000°,δ90.00000°,λ-163.00000°. NP2:ϕ_s311.00000° ,δ73.00000°,λ0.00000°. $M_0$2.98000×10^{14}
JMA Event type fe. NW KUMAMOTO PREF .
(238) Ryukyu Islands
ISC IV 09 13 57 20.3–1.2 29.19N–.03 129.30E–.05 4–8 3.2b 28 0-75
JMA IV 09 13 57 18.9–.26 29.3N–.60 129E–2.0 10–1 3.1 ¶610652302
IDC IV 09 13 57 20.8–1.1 29.14N 129.24E 0 3.3,3.3b
ISC Event type ke.
JMA Event type fe. NEAR TOKARA ISLANDS .
IDC Error ellipse: s-maj=41.6km s-min=19.7km az=88.0.
(228) Near east coast of eastern Honshu
ISC IV 09 18 10 39.1–.46 38.28N–.04 141.96E–.04 58–3 4.4b,3.2s 180 0-146
MOS IV 09 18 10 38.5–.85 38.39N 142.00E 58 4.5b,3.2s ¶610523841
NEIC IV 09 18 10 39.4–1.7 38.30N–.03 141.86E–.06 55–7 4.5b,3.2s
JMA IV 09 18 10 40.6–.09 38.3N–.20 141.8E–.50 58–0 4.7,4.4
NIED IV 09 18 10 40.6 38.32N 141.79E 58 4.3W,4.4
IDC IV 09 18 10 40.7–.66 38.32N 141.80E 62–6 4.1,3.7b
ISC Event type ke.
MOS Error ellipse: s-maj=8.7km s-min=5.8km az=88.6.
NEIC Event type se. Error ellipse: s-maj=7.1km s-min=3.8km az=62.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. E OFF MIYAGI PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.82 $M_{\theta\theta}$1.91 $M_{\phi\phi}$-2.73 $M_{r\theta}$-1.06 $M_{\theta\phi}$-1.30 $M_{\phi r}$0.31 NP1:ϕ_s333.00000°,δ71.00000°,λ21.00000°. NP2:ϕ_s236.00000° ,δ70.00000°,λ159.00000°. $M_0$2.96000×10^{15}
IDC Error ellipse: s-maj=14.9km s-min=10.3km az=135.0.
(236) Shikoku
ISC IV 09 18 29 11.5–1.0 33.51N–.04 132.45E–.04 42–7 25 0-57
JMA IV 09 18 29 11.3–.04 33.5N–.10 132.4E–.10 45–0 3.6 ¶610630711
NIED IV 09 18 29 11.3 33.52N 132.44E 45 3.5W
IDC IV 09 18 29 12.3–2.1 33.52N 132.35E 58–25 3.2,3.0b
ISC Event type ke.
JMA Event type fe. SW EHIME PREF .
NIED Moment Tensor Solution. s2 Moment tensor: Scale 10^{14}Nm; M_{rr}-1.60 $M_{\theta\theta}$-0.19 $M_{\phi\phi}$1.79 $M_{r\theta}$0.54 $M_{\theta\phi}$-0.56 $M_{\phi r}$0.53 NP1:ϕ_s186.00000°,δ55.00000°,λ-63.00000°. NP2:ϕ_s324.00000° ,δ43.00000°,λ-124.00000°. $M_0$1.94000×10^{14}
IDC Error ellipse: s-maj=23.5km s-min=14.9km az=121.0.
(228) Near east coast of eastern Honshu
ISC IV 09 21 05 27.6–.82 38.31N–.05 141.97E–.07 63–7 3.9b 43 0-89
JMA IV 09 21 05 27.8–.09 38.3N–.30 141.9E–.50 62–0 4.1,3.7 ¶610652324
IDC IV 09 21 05 28.3–2.3 38.27N 141.98E 72–21 3.8,3.5b
ISC Event type ke.
JMA Event type fe. E OFF MIYAGI PREF .
IDC Error ellipse: s-maj=23.9km s-min=15.4km az=89.0.
(249) Luzon
ISC IV 10 00 18 07.8–.86 18.00N–.05 120.26E–.08 42–8 4.1b,2.6s 51 0-117
IDC IV 10 00 17 59.4–.73 17.65N 120.36E 0 3.9,3.9b ¶610598339
MAN IV 10 00 18 06.4 17.89N 120.18E 17 4.8b,3.7L
NEIC IV 10 00 18 10.3–2.4 18.09N–.08 120.2E–.10 35–2 4.4b,3.7L
ISC Event type fe.
MAN Event type fe. INTENSITY III - VIGANSINAIT AND BANTAY ILOCOS SUR.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(228) Near east coast of eastern Honshu
ISC IV 10 01 32 35.2–2.2 37.49N–.07 141.69E–.10 27–12 3.7b 27 1-74
JMA IV 10 01 32 37.5–.11 37.5N–.30 141.6E–.70 45–1 3.8 ¶610652329
IDC IV 10 01 32 38.3–1.5 38.34N 140.73E 0 3.7b,3.6
ISC Event type ke.
JMA Event type fe. E OFF FUKUSHIMA PREF .
IDC Error ellipse: s-maj=37.3km s-min=23.3km az=113.0.
(248) Philippine Islands region
ISC IV 10 10 38 53.7–.28 5.72N–.03 127.21E–.03 63–1 5.5b 1166 2-167
MAN IV 10 10 38 45.7 5.53N 127.51E 15 6.1b,5.7s ¶610524858
NEIC IV 10 10 38 47.9–1.9 5.68N–.06 127.20E–.07 13–1 5.8,5.8
NEIC IV 10 10 38 48.8 5.53N 127.46E 24 5.8,5.8
NEIC IV 10 10 38 48.8 5.73N 127.25E 24 5.8,5.8
MOS IV 10 10 38 49.4–1.0 5.82N 127.13E 39 5.9b,5.5s
BJI IV 10 10 38 50.6–.00 5.72N 127.37E 64 5.8s,5.7
IDC IV 10 10 38 50.8–1.1 5.75N 127.16E 38–8 5.5s,5.1
GCMT IV 10 10 38 51.9–.10 5.62N–.01 127.40E–.01 30–0 5.9W,5.1
KLM IV 10 10 38 52 5.79N 127.53E 65 5.8b,5.1
NEIC IV 10 10 38 52 5.72N 127.24E 39 5.8b,5.1
DJA IV 10 10 38 53.8–.30 6N–2.0 127E–2.0 70–2 6.0b,6.0
ISC Event type fe. Moment Tensor Solution. NP1:ϕ_s138.71100°,δ40.71837°,λ65.86037°. NP2: ϕ_s349.30631°,δ53.46632°,λ109.39160°. Principal axes: T Plg73.1114°,Azm313.2213° ; N Plg15.4729°,Azm157.4719°; P Plg6.6034°,Azm65.6355° Moment Tensor Solution. NP1: ϕ_s40.79001°,δ74.52291°,λ94.17838°. NP2:ϕ_s205.47936°,δ16.01787°,λ75.25739°. Principal axes: T Plg60.2672°,Azm316.7528°; N Plg4.0266°,Azm219.6732°; P Plg29.4037° ,Azm127.3996°
MAN Event type fe. INTENSITY I - ALABEL SARANGANI; INTENSITY II - GOVERNOR GENEROSO AND TARRAGONA DAVAO ORIENTAL.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}4.75 $M_{\theta\theta}$0.07 $M_{\phi\phi}$-4.82 $M_{r\theta}$1.47 $M_{\theta\phi}$0.03 $M_{\phi r}$3.49 NP1:ϕ_s166.95000°,δ28.17000°,λ66.27000°. NP2:ϕ_s13.46000°,δ64.39000° ,λ102.16000°. Principal axes: T 6.2086,Plg68.0000°,Azm307.0000°; N -0.2206,Plg11.0000° ,Azm188.0000°; P -5.9881,Plg19.0000°,Azm94.0000° $M_0$6.10000×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 4s3 Moment tensor: Scale 10^{17}Nm; M_{rr}5.39 $M_{\theta\theta}$0.97 $M_{\phi\phi}$-6.36 $M_{r\theta}$2.04 $M_{\theta\phi}$0.43 $M_{\phi r}$3.47 NP1:ϕ_s15.68000°,δ62.73000° ,λ110.29000°. NP2:ϕ_s156.77000°,δ33.52000°,λ56.06000°. Principal axes: T 7.0516,Plg66.0000°,Azm323.0000°; N 0.2604,Plg18.0000°,Azm186.0000° ; P -7.3120,Plg15.0000°,Azm91.0000° $M_0$7.18000×10^{17}
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s154,c321; s161,c472; Duration: 2s2 Moment tensor: Scale 10^{18}Nm; M_{rr}0.68±.01 $M_{\theta\theta}$0.12±.01; $M_{\phi\phi}$-0.80±.01; $M_{r\theta}$0.21±.01; $M_{\theta\phi}$-0.06±.00; $M_{\phi r}$0.42±.01; Best double couple: NP1:ϕ_s17.00000°,δ62.00000° ,λ104.00000°. NP2:ϕ_s169.00000°,δ31.00000°,λ65.00000°. Principal axes: T 0.8390,Plg70.0000°,Azm317.0000°; N 0.0870,Plg13.0000°,Azm190.0000° ; P -0.9260,Plg15.0000°,Azm96.0000° $M_0$0.88200×10^{18}
NEIC Event type se.
(228) Near east coast of eastern Honshu
ISC IV 10 12 37 31.9–1.1 35.76N–.04 140.94E–.07 9–7 3.6b 23 0-59
IDC IV 10 12 37 31.2–1.2 35.60N 140.81E 0 3.7,3.6b ¶610619260
NIED IV 10 12 37 32.5 35.75N 140.89E 11 3.7W,3.6b
JMA IV 10 12 37 32.5–.18 35.8N–.40 140.9E–.80 11–1 3.9,3.6b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-2.85 $M_{\theta\theta}$0.34 $M_{\phi\phi}$2.50 $M_{r\theta}$-1.08 $M_{\theta\phi}$2.02 $M_{\phi r}$0.09 NP1:ϕ_s51.00000°,δ53.00000°,λ-62.00000°. NP2:ϕ_s190.00000° ,δ45.00000°,λ-122.00000°. $M_0$3.51000×10^{14}
JMA Event type fe. NEAR CHOSHI CITY .
(228) Near east coast of eastern Honshu
ISC IV 11 18 10 48.0–.33 36.13N–.03 140.20E–.04 58–2 4.8b,4.8s 570 0-152
MOS IV 11 18 10 46.1–1.1 36.17N 140.16E 53 5.0b,4.8s ¶611832283
IDC IV 11 18 10 48.3–.61 36.12N 140.13E 56–4 4.5,4.2b
NIED IV 11 18 10 49.2 36.16N 140.10E 54 4.5W,4.2b
NEIC IV 11 18 10 49.2–2.4 36.16N–.04 140.19E–.05 63–6 4.8b,4.2b
JMA IV 11 18 10 49.2–.09 36.2N–.30 140.1E–.40 54–0 4.6,4.5W
ISC Event type ke. Moment Tensor Solution. NP1:ϕ_s241.94595°,δ14.65579°,λ-130.42793°. NP2: ϕ_s103.31175°,δ78.89556°,λ-80.37458°. Principal axes: T Plg33.2239°,Azm185.1866° ; N Plg9.4435°,Azm281.4409°; P Plg55.1136°,Azm25.2418°
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}2.38 $M_{\theta\theta}$-2.20 $M_{\phi\phi}$-0.18 $M_{r\theta}$-5.74 $M_{\theta\phi}$1.09 $M_{\phi r}$0.04 NP1:ϕ_s273.00000°,δ79.00000°,λ81.00000°. NP2:ϕ_s133.00000° ,δ14.00000°,λ130.00000°. $M_0$6.28000×10^{15}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. SW IBARAKI PREF .
(236) Shikoku
ISC IV 11 19 03 45.8–1.3 33.54N–.06 134.43E–.04 33–3 17 0-4
JMA IV 11 19 03 45.9–.06 33.5N–.20 134.4E–.20 34–0 3.1 ¶612489436
ISC Event type ke.
JMA Event type fe. SE OFF SHIKOKU .
(259) Mindanao
ISC IV 11 21 21 02.0–.37 7.60N–.02 124.79E–.02 17–2 5.5s,5.4b 1247 1-170
BJI IV 11 21 20 57.6–.00 7.39N 125.24E 24 5.9s,5.7 ¶610526844
MOS IV 11 21 20 58.8–.83 7.69N 124.80E 9 5.6b,5.4s
MAN IV 11 21 20 58.9 7.71N 124.66E 1 6.3b,6.0s
NEIC IV 11 21 21 00.9–1.2 7.68N–.06 124.81E–.06 8–3 5.8,5.8
GCMT IV 11 21 21 00.9–.10 7.74N 124.70E 12 5.8W,5.8
NEIC IV 11 21 21 00.8 7.67N 124.80E 14 5.8W,5.8
NEIC IV 11 21 21 00.5 7.67N 124.79E 5 5.8W,5.8
NEIC IV 11 21 21 00.8 7.77N 124.80E 14 5.8W,5.8
KLM IV 11 21 21 03 7.40N 125.04E 16 5.5b,5.8
IDC IV 11 21 21 03.6–2.0 7.66N 124.83E 29–14 5.4s,4.9
DJA IV 11 21 21 03.7–.50 8N–2.0 125E–2.0 31–4 6.0b,6.0
ISC Event type fe.
MAN Event type fe. INTENSITY VII - WAO LANAO DEL SUR; KALILANGAN BUKIDNON; INTENSITY VI- AMAI MANABILANG LANAO DEL SUR; INTENSITY V- BANISILAN COTABATO; PANGANTUKAN BUKIDNON; INTENSITY IV- CAGAYAN DE ORO CITY; DAVAO CITY; COTABATO CITY; ILIGAN CITY; GINOOG CITY MISAMIS ; ORIENTAL; MATALAM NORTH COTABATO; VALENCIA AND MARAMAG BUKIDNON; INTENSITY III- KABACAN AND ARAKAN NORTH COTABATO; LEBAK SULTAN KUDARAT; PIKIT COTABATO; ; QUEZON AND DON CARLOS BUKIDNON; INTENSITY II- KIDAPAWAN CITY; KORONADAL CITY; TAGUM CITY; ANTIPAS AND CARMEN COTABATO; PRES. ; ROXAS NORTH COTABATO; CAMIGUIN.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.72 $M_{\theta\theta}$4.76 $M_{\phi\phi}$-5.48 $M_{r\theta}$0.97 $M_{\theta\phi}$0.27 $M_{\phi r}$1.37 NP1:ϕ_s42.96000°,δ88.75000°,λ161.74000°. NP2:ϕ_s133.37000°,δ71.75000° ,λ1.32000°. Principal axes: T 5.0091,Plg14.0000°,Azm357.0000°; N 0.7568,Plg72.0000° ,Azm219.0000°; P -5.7659,Plg12.0000°,Azm90.0000° $M_0$5.43000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s136,c266; s152,c472; Duration: 2s0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.94±.05 $M_{\theta\theta}$7.35±.04; $M_{\phi\phi}$-6.41±.06; $M_{r\theta}$-0.05±.11; $M_{\theta\phi}$0.13±.05; $M_{\phi r}$-0.03±.13; Best double couple: NP1:ϕ_s224.00000°,δ90.00000° ,λ180.00000°. NP2:ϕ_s314.00000°,δ90.00000°,λ0.00000°. Principal axes: T 7.3510,Plg0.0000°,Azm179.0000°; N -0.9410,Plg90.0000°,Azm44.0000° ; P -6.4110,Plg0.0000°,Azm269.0000° $M_0$6.88100×10^{17}
NEIC Event type se.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 4s4 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.84 $M_{\theta\theta}$7.64 $M_{\phi\phi}$-6.80 $M_{r\theta}$0.70 $M_{\theta\phi}$-0.74 $M_{\phi r}$-0.12 NP1:ϕ_s138.01000°,δ87.20000° ,λ3.89000°. NP2:ϕ_s47.82000°,δ86.12000°,λ177.19000°. Principal axes: T 7.7351,Plg5.0000° ,Azm3.0000°; N -0.8979,Plg85.0000°,Azm174.0000°; P -6.8372,Plg1.0000°,Azm273.0000° $M_0$7.29000×10^{17}
(259) Mindanao
MAN IV 12 07 10 44.7 7.69N 124.61E 1 4.5b,3.4L
¶616498726
MAN Event type fe. INTENSITY II - WAO LANAO DEL SUR; KALILANGAN BUKIDNON.
(259) Mindanao
ISC IV 12 09 50 27.4–1.2 7.72N–.02 124.66E–.03 2–10 3.4b 47 1-56
MAN IV 12 09 50 26.2 7.73N 124.63E 1 4.7b,3.6L ¶610652542
IDC IV 12 09 50 28.2–1.7 7.35N 124.48E 0 3.4s,3.4
ISC Event type fe.
MAN Event type fe. INTENSITY II - KALILANGAN BUKIDNON.
IDC Error ellipse: s-maj=31.5km s-min=15.1km az=15.0.
(259) Mindanao
ISC IV 12 11 11 39.2–1.2 7.71N–.02 124.64E–.02 2–9 3.7b,2.9s 54 1-53
MAN IV 12 11 11 38.9 7.74N 124.67E 1 4.9b,3.8L ¶610652548
IDC IV 12 11 11 39.3–1.1 7.39N 124.42E 0 3.8,3.8b
ISC Event type fe.
MAN Event type fe. INTENSITY III - KALILANGAN BUKIDNON; INTENSITY I - PANGANTUCAN BUKIDNON.
IDC Error ellipse: s-maj=30.2km s-min=12.7km az=21.0.
(259) Mindanao
ISC IV 12 13 33 20.2–1.1 7.73N–.02 124.75E–.03 9–8 3.5b,3.3s 51 1-66
IDC IV 12 13 33 17.1–1.1 8.21N 126.03E 0 3.6,3.6b ¶610652560
MAN IV 12 13 33 18.9 7.76N 124.72E 1 5.0b,3.9L
ISC Event type fe.
IDC Error ellipse: s-maj=29.1km s-min=13.2km az=94.0.
MAN Event type fe. INTENSITY II - KALILANGAN BUKIDNON.
(238) Ryukyu Islands
ISC IV 12 13 55 40.4–.33 28.70N–.03 130.26E–.03 30–1 5.2b,4.4s 899 0-153
BJI IV 12 13 55 33.5–.00 28.42N 130.74E 30 4.8b,4.8b ¶611832290
MOS IV 12 13 55 39.0–1.1 28.74N 130.09E 30 5.4b,4.7s
NIED IV 12 13 55 40.3 28.72N 130.24E 53 4.8W,4.7s
IDC IV 12 13 55 41.0–3.6 28.78N 130.14E 32–26 4.8,4.7b
JMA IV 12 13 55 40.3–.27 28.7N–.90 130E–1.0 53–3 4.9W,4.8
NEIC IV 12 13 55 42.3–1.5 28.72N–.06 130.19E–.08 39–7 5.2b,4.8
NEIC IV 12 13 55 42.5 28.72N 130.20E 36 5.2b,4.8

NEIC IV 12 13 55 42.5 28.72N 130.55E 36 5.2b,4.8
GCMT IV 12 13 55 42.3–.40 28.64N–.03 130.28E–.03 30–0 4.9W,4.8
BGR IV 12 13 55 44.6 29.69N 130.95E 33 5.4b,4.8s
ISC Event type ke. Moment Tensor Solution. NP1:ϕs175.53569°,δ22.39392°,λ30.46919°. NP2: ϕs56.99155°,δ78.86149°,λ109.55216°. Principal axes: T Plg52.2212°,Azm349.7151° ; N Plg19.1693°,Azm233.0668°; P Plg31.1434°,Azm130.9405°
MOS Error ellipse: s-maj=7.2km s-min=3.8km az=114.7.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; Mrr0.87 Mθθ-0.16 Mϕϕ-0.72 Mrθ0.53 Mθϕ-0.80 Mϕr1.26 NP1:ϕs23.00000°,δ71.00000°,λ79.00000°. NP2:ϕs235.00000° ,δ21.00000°,λ120.00000°. M0 1.75000×10^{16}
IDC Error ellipse: s-maj=12.2km s-min=11.0km az=82.0.
JMA Event type fe. NEAR AMAMI-OSHIMA ISLAND.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=8.0km az=108.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 1s3 Moment tensor: Scale 10^{16}Nm; Mrr1.89 Mθθ-0.63 Mϕϕ-1.26 Mrθ0.50 Mθϕ-1.57 Mϕr0.51 NP1:ϕs41.84000°,δ53.98000° ,λ93.30000°. NP2:ϕs216.24000°,δ36.15000°,λ85.47000°. Principal axes: T 2.0099,Plg81.0000°,Azm326.0000°; N 0.6489,Plg3.0000°,Azm220.0000° ; P -2.6588,Plg9.0000°,Azm129.0000° M0 2.33000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s40,c48; s72,c93;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr2.40±.15 Mθθ-0.75±.10; Mϕϕ-1.65±.10; Mrθ1.13±.15; Mθϕ-0.99±.06; Mϕr0.94±.13; Best double couple: NP1:ϕs42.00000°,δ61.00000°,λ98.00000°. NP2:ϕs205.00000°,δ30.00000°,λ76.00000°. Principal axes: T 2.8480,Plg73.0000° ,Azm332.0000°; N -0.1630,Plg7.0000°,Azm218.0000°; P -2.6840,Plg16.0000° ,Azm126.0000° M0 2.76600×10^{16}
BGR Event type ke.

(233) Near south coast of western Honshu
ISC IV 12 17 15 31.2–1.0 33.83N–.06 135.44E–.04 17–5 3.6b 17 0-53
IDC IV 12 17 15 27.6–1.6 33.80N 135.54E 0 3.6b,3.5 ¶610527204
NIED IV 12 17 15 31.1 33.82N 135.37E 22 3.6W,3.5
JMA IV 12 17 15 31.1–.06 33.8N–.10 135.4E–.20 22–0 4.1,3.8
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; Mrr-0.39 Mθθ2.46 Mϕϕ-2.07 Mrθ-0.13 Mθϕ2.07 Mϕr1.28 NP1:ϕs206.00000°,δ78.00000°,λ-160.00000°. NP2:ϕs112.00000° ,δ70.00000°,λ-12.00000°. M0 3.34000×10^{14}
JMA Event type fe. CENTRAL WAKAYAMA PREF .

(259) Mindanao
ISC IV 12 20 01 07.0–.39 7.63N–.02 124.76E–.02 18–1 5.3b,5.1s 1128 1-170
MAN IV 12 20 01 04.8 7.66N 124.69E 2 5.8b,5.3s ¶610527185
MOS IV 12 20 01 05.4–1.0 7.65N 124.86E 25 5.5b,5.0s
NEIC IV 12 20 01 05.6–2.1 7.72N–.06 124.86E–.06 10–1 5.5,5.4b
NEIC IV 12 20 01 05.6 7.72N 124.86E 14 5.5,5.4b
NEIC IV 12 20 01 05.6 7.72N 124.86E 14 5.5,5.4b
GCMT IV 12 20 01 06.6–.10 7.73N–.01 124.75E–.01 12 5.5W,5.4b
IDC IV 12 20 01 08.5–1.6 7.58N 124.82E 34–12 4.9s,4.8
DJA IV 12 20 01 09.1–.50 8N–2.0 125E–2.0 34–4 5.8b,5.6
KLM IV 12 20 01 11 7.60N 124.85E 40 5.5b,5.6
ISC Event type ke. Moment Tensor Solution. NP1:ϕs151.89459°,δ68.08639°,λ22.87234°. NP2: ϕs52.94756°,δ68.86318°,λ156.41382°. Principal axes: T Plg31.2570°,Azm12.2419° ; N Plg58.7378°,Azm193.3937°; P Plg0.5110°,Azm102.5520°
MAN Event type fe. INTENSITY VI - KALILANGAN BUKIDNON; INTENSITY V - WAO LANAO DEL SUR; VALENCIA CITY; INTENSITY IV - KADINGILAN MARAMAG & PANGANTUCAN BUKIDNON ; INTENSITY III - CAGAYAN DE ORO CITY; QUEZON DON CARLOS KIBAWE MANOLO FORTICH BUKIDNON; INTENSITY II - COTABATO CITY; KIDAPAWAN CITY.
MOS Error ellipse: s-maj=8.0km s-min=4.2km az=116.2.
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=8.1km az=229.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2s1.0 Moment tensor: Scale 10^{17}Nm; Mrr-0.30 Mθθ2.40 Mϕϕ-2.10 Mrθ0.12 Mθϕ-1.17 Mϕr-0.53 NP1:ϕs328.09000°,δ84.53000° ,λ-12.30000°. NP2:ϕs59.28000°,δ77.75000°,λ-174.41000°. Principal axes: T 2.7078,Plg5.0000°,Azm14.0000°; N -0.2099,Plg77.0000°,Azm124.0000° ; P -2.4979,Plg13.0000°,Azm283.0000° M0 2.60000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s117,c182; s148,c270;Duration: 1s4 Moment tensor: Scale 10^{17}Nm; Mrr-0.56±.03 Mθθ2.69±.02; Mϕϕ-2.13±.03; Mrθ0.03±.07; Mθϕ-0.46±.03; Mϕr0.54±.09; Best double couple: NP1:ϕs139.00000°,δ78.00000°,λ-12.00000°. NP2:ϕs232.00000°,δ78.00000°,λ-168.00000°. Principal axes: T 2.7330,Plg0.0000° ,Azm185.0000°; N -0.3960,Plg73.0000°,Azm276.0000°; P -2.3340,Plg17.0000° ,Azm95.0000° M0 2.53300×10^{17}
IDC Error ellipse: s-maj=16.0km s-min=9.9km az=73.0.

(238) Ryukyu Islands
ISC IV 12 21 42 54.0–.75 29.54N–.06 129.85E–.07 10 3.5b,3.5s 31 0-76
NIED IV 12 21 42 53.6 29.57N 129.69E 7 4.2W,3.5s ¶610527205
JMA IV 12 21 42 53.6–.12 30N–1.0 130E–2.0 7–1 3.4,3.5s
IDC IV 12 21 42 54.0–1.2 29.63N 129.56E 0 3.5,3.5b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; Mrr-1.06 Mθθ1.22 Mϕϕ-0.15 Mrθ-0.57 Mθϕ0.10 Mϕr-1.89 NP1:ϕs34.00000°,δ78.00000°,λ-111.00000°. NP2:ϕs276.00000° ,δ24.00000°,λ-30.00000°. M0 2.16000×10^{15}
JMA Event type fe. NEAR TOKARA ISLANDS .
IDC Error ellipse: s-maj=35.9km s-min=20.5km az=92.0.

(238) Ryukyu Islands
ISC IV 12 22 47 35.4–1.2 29.55N–.04 129.74E–.07 8–9 3.6s,3.5b 29 0-86
IDC IV 12 22 47 35.2–1.0 29.68N 129.60E 0 3.6,3.6b ¶610652587
JMA IV 12 22 47 35.1–.07 29.6N–1.0 130E–1.0 9–0 3.2,3.6b
ISC Event type ke.
JMA Event type fe. NEAR TOKARA ISLANDS .

(259) Mindanao
MAN IV 13 05 34 10.7 7.68N 124.74E 7 4.8b,3.7L
¶616498791
MAN Event type fe. INTENSITY III - KALILANGAN BUKIDNON; INTENSITY I- PANGANTUCAN BUKIDNON.

(224) Hokkaido region
ISC IV 13 13 12 09.6–1.9 42.19N–.10 143.05E–.04 59–10 26 0-3
SKHL IV 13 13 12 09.7–.20 42.10N 143.10E 56–7 4.6b ¶614794679
JMA IV 13 13 12 10.0–.16 42.2N–.60 143.0E–.60 54–1 3.6
ISC Event type ke.
JMA Event type fe. HIDAKA REGION .

(228) Near east coast of eastern Honshu
ISC IV 14 03 05 11.9–2.1 36.89N–.05 141.32E–.07 13–11 3.4b 26 0-147
IDC IV 14 03 05 10.1–1.2 36.85N 141.40E 0 3.5b,3.4 ¶610619264
NIED IV 14 03 05 12.4 36.91N 141.33E 30 3.4W,3.4
JMA IV 14 03 05 12.4–.12 36.9N–.30 141.3E–.60 30–0 3.8,3.4
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; Mrr-1.59 Mθθ0.17 Mϕϕ1.42 Mrθ0.00 Mθϕ0.73 Mϕr-0.01 NP1:ϕs24.00000°,δ45.00000°,λ-90.00000°. NP2:ϕs205.00000° ,δ45.00000°,λ-90.00000°. M0 1.68000×10^{14}
JMA Event type fe. E OFF FUKUSHIMA PREF .

(228) Near east coast of eastern Honshu
ISC IV 14 05 12 21.7–2.1 37.63N–.06 141.41E–.09 81–11 31 0-5
JMA IV 14 05 12 21.5–.08 37.7N–.20 141.4E–.50 84–0 3.5 ¶614795235
ISC Event type ke.
JMA Event type fe. E OFF FUKUSHIMA PREF .

(259) Mindanao
ISC IV 14 11 20 05.7–.72 7.62N–.02 124.73E–.03 25–5 4.5b,3.7s 200 1-144
IDC IV 14 11 20 00.4–.72 7.61N 124.51E 0 4.0b,3.9 ¶610528153
DJA IV 14 11 20 00.4–2.5 8N–21 125E–5.0 10 4.8b,4.8
MAN IV 14 11 20 02.3 7.70N 124.70E 1 5.4b,4.7s
NEIC IV 14 11 20 03.6–1.6 7.56N–.08 124.69E–.06 10–1 4.6b,4.7s
ISC Event type fe.
MAN Event type fe. INTENSITY V - WAO LANAO DEL SUR; INTENSITY IV- KALILANGAN BUKIDNON; INTENSITY III - PANGANTUCAN BUKIDNON; INTENSITY II - VALENCIA CITY; KADINGILAN MARAMAG QUEZON KIBAWE AND DON CARLOS BUKIDNON; ; CAGAYAN DE ORO CITY.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(259) Mindanao
MAN IV 14 12 19 16.0 7.71N 124.60E 3 4.4b,3.2L
¶616498874
MAN Event type fe. INTENSITY II - WAO LANAO DEL SUR.

(227) Eastern Honshu
ISC IV 14 14 01 21.0–1.1 36.83N–.03 138.71E–.03 3–7 4.3b,3.4s 194 0-92
IDC IV 14 14 01 20.2–.59 36.87N 138.68E 0 3.9,3.9b ¶616498886
NIED IV 14 14 01 20.9 36.82N 138.73E 5 4.2W,3.9b
JMA IV 14 14 01 20.9–.07 36.8N–.30 138.7E–.30 5–2 3.9,3.9b
NEIC IV 14 14 01 22.8–1.9 36.86N–.04 138.57E–.06 10–1 4.5b,3.9b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; Mrr0.95 Mθθ0.76 Mϕϕ-1.70 Mrθ0.45 Mθϕ-1.33 Mϕr-1.06 NP1:ϕs167.00000°,δ73.00000°,λ41.00000°. NP2:ϕs63.00000° ,δ51.00000°,λ158.00000°. M0 2.27000×10^{15}
JMA Event type fe. MID NIIGATA PREF .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(259) Mindanao
ISC IV 14 14 02 52.7–.00 7.66N–.02 124.70E–.02 14–6 4.4b,3.3s 138 1-144
MAN IV 14 14 02 51.1 7.69N 124.72E 3 5.5b,4.7s ¶610528147
DJA IV 14 14 02 51.5–.90 8N–8.0 125E–5.0 68–14 5.1,5.0b
NEIC IV 14 14 02 52.6–1.5 7.64N–.10 124.81E–.08 10–1 4.6b,5.0b
IDC IV 14 14 02 57.6–1.6 7.52N 124.76E 59–15 4.2,3.9b
ISC Event type fe.
MAN Event type fe. INTENSITY V- KALILANGAN BUKIDNON; INTENSITY III - WAO LANAO DEL SUR; PANGANTUCAN BUKIDNON; INTENSITY II - MARAMAG QUEZON AND VALENCIA CITY BUKIDNON; CAGAYAN DE ORO CITY.
NEIC Event type se. Error ellipse: s-maj=17.4km s-min=11.0km az=27.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=26.0km s-min=12.0km az=71.0.

(227) Eastern Honshu
ISC IV 14 15 36 16.2–.93 36.84N–.03 138.70E–.04 10 21 0-4
JMA IV 14 15 36 16.1–.08 36.8N–.30 138.7E–.30 4–2 3.2 ¶614795793
ISC Event type ke.
JMA Event type fe. MID NIIGATA PREF .

(228) Near east coast of eastern Honshu
ISC IV 14 15 46 11.9–.67 35.58N–.04 140.09E–.05 72–6 4.3b 117 0-148
NEIC IV 14 15 46 11.7–1.9 35.58N–.05 140.17E–.09 66–7 4.4b ¶614795807
NIED IV 14 15 46 12.0 35.66N 140.06E 68 4.1W
JMA IV 14 15 46 12.0–.22 35.7N–.50 140.1E–.80 68–1 3.9
IDC IV 14 15 46 14.7–1.8 35.54N 139.96E 92–14 4.0,3.7b
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=7.5km az=101.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; Mrr1.17 Mθθ0.17 Mϕϕ-1.34 Mrθ0.73 Mθϕ-0.29 Mϕr0.92 NP1:ϕs29.00000°,δ67.00000°,λ107.00000°. NP2:ϕs170.00000° ,δ28.00000°,λ55.00000°. M0 1.75000×10^{15}
JMA Event type fe. CENTRAL CHIBA PREF .
IDC Error ellipse: s-maj=16.2km s-min=13.7km az=106.0.

(227) Eastern Honshu
ISC IV 14 22 29 48.5–.90 36.93N–.05 140.97E–.06 101–7 41 0-57
NIED IV 14 22 29 50.6 37.05N 140.81E 98 3.5W ¶610619266
JMA IV 14 22 29 50.6–.12 37.1N–.40 140.8E–.60 98–0 3.7
IDC IV 14 22 29 51.1–4.3 36.59N 140.69E 83–35 3.8,3.1b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; Mrr-1.89 Mθθ0.92 Mϕϕ0.97 Mrθ-0.10 Mθϕ-1.73 Mϕr0.18 NP1:ϕs138.00000°,δ48.00000°,λ-86.00000°. NP2:ϕs313.00000° ,δ43.00000°,λ-94.00000°. M0 2.29000×10^{14}
JMA Event type fe. EASTERN FUKUSHIMA PREF .
IDC Error ellipse: s-maj=45.6km s-min=17.7km az=49.0.

(92) Leeward Islands
ISC IV 15 17 59 36.9–2.0 17.59N–.05 61.09W–.06 5–12 3.6b,3.3s 60 1-165
IDC IV 15 17 59 36.5–1.6 17.70N 61.03W 0 3.6,3.5b ¶610652811
TRN IV 15 17 59 38.3 17.45N 61.20W 12 4.5,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=37.4km s-min=31.7km az=141.0.
TRN Event type fe. Felt Antigua, MMI III.

(224) Hokkaido region
ISC IV 15 19 24 01.8–.39 41.16N–.03 142.65E–.04 51–3 4.6b,3.6s 461 1-94
BJI IV 15 19 23 56.7–.00 41.24N 143.14E 55 4.7b,4.7b ¶611832314
MOS IV 15 19 24 00.5–.91 41.24N 142.50E 48 4.8b,4.7b
NEIC IV 15 19 24 01.6–1.7 41.19N–.05 142.53E–.08 39–6 4.6b,4.3
NEIC IV 15 19 24 01.7 41.20N 142.53E 40 4.6b,4.3
NIED IV 15 19 24 01.0 41.12N 142.57E 32 4.3W,4.3
JMA IV 15 19 24 01.0–.17 41.1N–.40 142.6E–.60 32–4 4.7,4.4
IDC IV 15 19 24 02.8–.52 41.20N 142.46E 53–3 4.2,4.0b
ISC Event type ke. Moment Tensor Solution. NP1:ϕs180.23528°,δ11.15740°,λ44.93140°. NP2: ϕs45.85047°,δ82.14510°,λ97.94891°. Principal axes: T Plg52.2209°,Azm325.0353° ; N Plg7.8738°,Azm224.7572°; P Plg36.6629°,Azm128.8486° Moment Tensor Solution. NP1: ϕs350.18747°,δ66.15292°,λ98.81754°. NP2:ϕs149.19653°,δ25.33541°,λ70.87452°. Principal axes: T Plg67.6649°,Azm276.7596°; N Plg8.0595°,Azm166.5988°; P Plg20.6841° ,Azm73.5343°
MOS Error ellipse: s-maj=7.1km s-min=4.9km az=99.4.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=5.3km az=127.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; Mrr1.19 Mθθ-0.57 Mϕϕ-0.62 Mrθ1.25 Mθϕ-0.19 Mϕr2.80 NP1:ϕs217.63000°,δ9.03000°,λ102.71000°. NP2:ϕs24.76000°,δ81.19000° ,λ88.00000°. Principal axes: T 3.4371,Plg54.0000°,Azm292.0000°; N -0.4353,Plg2.0000° ,Azm25.0000°; P -3.0018,Plg36.0000°,Azm117.0000° M0 3.24000×10^{15}
NEIC Event type se.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; Mrr2.14 Mθθ-0.20 Mϕϕ-1.94 Mrθ1.52 Mθϕ0.07 Mϕr2.50 NP1:ϕs24.00000°,δ73.00000°,λ103.00000°. NP2:ϕs166.00000° ,δ21.00000°,λ54.00000°. M0 3.53000×10^{15}
JMA Event type fe. E OFF AOMORI PREF .
IDC Error ellipse: s-maj=12.6km s-min=9.7km az=116.0.

(259) Mindanao
ISC IV 15 20 37 06.1–1.1 7.66N–.02 124.66E–.02 7–7 4.3b 128 1-144
IDC IV 15 20 37 03.9–.68 7.60N 124.47E 0 3.8,3.8b ¶610528528
MAN IV 15 20 37 04.9 7.71N 124.67E 1 5.3b,4.4s
NEIC IV 15 20 37 08.0–1.5 7.60N–.08 124.80E–.06 10–1 4.4b,4.4s
DJA IV 15 20 37 10.9–.80 7N–7.0 125E–4.0 10 4.9b,4.5
ISC Event type fe.
MAN Event type fe. INTENSITY IV - WAO LANAO DELO SUR; INTENSITY III - KALILANGAN BUKIDNON; INTENSITY I - PANGANTUCAN BUKIDNON.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(259) Mindanao
ISC IV 15 20 40 58.4–.45 7.68N–.02 124.71E–.02 26–3 4.9b,4.5s 703 1-179
BJI IV 15 20 40 53.9–.00 7.66N 124.84E 9 4.9b,4.8s ¶610528532
MOS IV 15 20 40 54.4–.95 7.70N 124.75E 15 5.1b,4.5s
IDC IV 15 20 40 54.2–.47 7.61N 124.59E 0 4.4,4.4b
MAN IV 15 20 40 55.5 7.75N 124.68E 1 5.8b,5.3s
NEIC IV 15 20 40 56.4–1.1 7.74N–.06 124.80E–.06 10–1 5.0b,5.3s
GCMT IV 15 20 40 57.4–.10 7.76N–.01 124.69E–.01 17–0 5.2W,5.3s
DJA IV 15 20 41 03.6–.50 7N–3.0 125E–3.0 40–5 5.5,5.5b
ISC Event type fe.
MAN Event type fe. INTENSITY V - WAO LANAO DEL SUR; INTENSITY IV - KALILANGAN BUKIDNON; INTENSITY III - COTABATO CITY LEBAK SULTAN KUDARAT; INTENSITY II- CAGAYAN DE ORO CITY; PANGANTUCAN MARAMAG VALENCIA CITY AND QUEZON BUKIDNON.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s82,c107; s131,c230;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; Mrr-0.23±.02 Mθθ0.81±.01; Mϕϕ-0.57±.01; Mrθ-0.02±.03; Mθϕ-0.03±.01; Mϕr0.21±.04; Best double couple: NP1:ϕs133.00000°,δ74.00000°,λ-19.00000°. NP2:ϕs229.00000°,δ72.00000°,λ-163.00000°. Principal axes: T 0.8090,Plg1.0000° ,Azm182.0000°; N -0.1350,Plg65.0000°,Azm274.0000°; P -0.6750,Plg25.0000° ,Azm91.0000° M0 0.74200×10^{17}

(259) Mindanao
ISC IV 15 20 48 15.5–.71 7.64N–.02 124.60E–.03 10 3.3b 45 1-53
IDC IV 15 20 48 15.4–2.4 7.83N 125.88E 0 3.4,3.4b **¶610652821**
MAN IV 15 20 48 15.9 7.69N 124.66E 1 4.8b,3.7L
ISC Event type fe.
IDC Error ellipse: s-maj=113.8km s-min=25.4km az=58.0.
MAN Event type fe. INTENSITY II - WAO LANAO DEL SUR.
(259) Mindanao
MAN IV 15 22 39 14.5 7.64N 124.65E 5 4.1b,2.9L
¶616498980
MAN Event type fe. INTENSITY II - WAO LANAO DEL SUR.
(230) Near south coast of eastern Honshu
ISC IV 16 05 28 17.0–.72 35.68N–.05 139.71E–.07 125–5 4.1b 84 0-80
IDC IV 16 05 28 15.3–1.8 35.68N 139.89E 118–13 3.9,3.6b **¶610619269**
NEIC IV 16 05 28 17.4–1.9 35.62N–.06 139.73E–.08 119–6 4.4b,3.6b
NIED IV 16 05 28 17.7 35.62N 139.66E 120 3.9W,3.6b
JMA IV 16 05 28 17.7–.20 35.6N–.60 139.7E–.80 120–1 3.7,3.6b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}0.70 $M_{\theta\theta}$-8.46 $M_{\phi\phi}$7.75 $M_{r\theta}$2.45 $M_{\theta\phi}$-0.51 $M_{\phi r}$1.05 NP1:ϕ_s223.00000°,δ86.00000°,λ-16.00000°. NP2:ϕ_s314.00000°,δ74.00000°,λ-176.00000°. $M_0$8.51000×10^{14}
JMA Event type fe. TOKYO PREF .
(259) Mindanao
MAN IV 16 06 19 46.1 7.66N 124.73E 2 4.1b,2.9L
¶616498999
MAN Event type fe. INTENSITY II - WAO LANAO DEL SUR.
(259) Mindanao
MAN IV 16 14 24 27.2 7.66N 124.55E 24 4.4b,3.2L
¶616499028
MAN Event type fe. INTENSITY II - KALILANGAN BUKIDNON.
(259) Mindanao
MAN IV 16 16 46 57.9 7.66N 124.70E 7 4.3b,3.1L
¶616499050
MAN Event type fe. INTENSITY I - KALILANGAN BUKIDNON.
(249) Luzon
ISC IV 16 23 28 33.1–.99 18.84N–.03 120.77E–.03 31–7 4.3b,3.6s 324 1-97
IDC IV 16 23 28 27.6–.54 18.67N 121.13E 0 4.1,4.0b **¶610529004**
MAN IV 16 23 28 32.4 18.86N 120.68E 24 5.2b,4.3s
BJI IV 16 23 28 33.5–.00 18.81N 120.62E 20 4.4b,4.2b
NEIC IV 16 23 28 34.5–1.8 18.87N–.05 120.62E–.08 35–2 4.4b,4.2b
DJA IV 16 23 28 34.1–.90 19N–4.0 121E–7.0 39–15 5.5b,5.0
ISC Event type fe.
MAN Event type fe. INTENSITY IV - PAGUDPUD ILOCOS NORTE; INTENSITY III - BANGUI ILOCOS NORTE; INTENSITY II - PASUQUIN ILOCOS NORTE; INTENSITY I - LAOAG CITY.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(259) Mindanao
MAN IV 17 01 28 14.0 7.77N 124.60E 1 4.6b,3.5L
¶616499087
MAN Event type fe. INTENSITY II - KALILANGAN BUKIDNON.
(92) Leeward Islands
ISC IV 17 04 13 09.6–1.6 17.54N–.04 61.08W–.05 25–11 3.8b,3.6s 137 1-165
IDC IV 17 04 13 05.9–.76 17.54N 60.96W 0 3.8,3.7s **¶610529017**
TRN IV 17 04 13 09.1 17.42N 61.17W 14 4.2,3.7s
NEIC IV 17 04 13 10.3–2.1 17.51N–.06 61.08W–.09 27–6 4.2b,3.7s
ISC Event type se.
TRN Event type fe. Felt Antigua MMI III; St. Kitts MMI III and Nevis MMI III.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(92) Leeward Islands
ISC IV 17 05 23 14.4–.39 17.49N–.02 61.15W–.02 17–2 5.7b,5.4s 2386 1-176
IDC IV 17 05 23 11.9–.28 17.50N 61.14W 0 5.5,5.5b **¶611832597**
MOS IV 17 05 23 12.2–.86 17.51N 61.16W 13 5.9b,5.3s
TRN IV 17 05 23 13.1 17.48N 61.14W 12 5.7,5.3s
NEIC IV 17 05 23 14.8 17.68N 61.13W 26 5.7,5.3s
NEIC IV 17 05 23 14.8 17.48N 61.13W 26 5.7,5.3s
NEIC IV 17 05 23 14.8 17.46N 61.14W 14 5.7,5.3s
NEIC IV 17 05 23 15.1–1.6 17.45N–.04 61.14W–.04 16–1 5.6,5.6
BJI IV 17 05 23 16.2–.00 17.50N 61.20W 40 5.9s,5.7
GCMT IV 17 05 23 20.1–.10 17.49N–.01 61.11W–.01 12 5.7W,5.7
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s119.81444°,δ70.54598°,λ-90.24694°. NP2:ϕ_s300.55585°,δ19.45553°,λ-89.30092°. Principal axes: T Plg25.5456°,Azm210.0080°; N Plg0.2328°,Azm119.8967°; P Plg64.4532°,Azm29.4095°
TRN Event type fe. Felt Antigua MMI IV; Barbuda MMI III; MontserratM MI III; St. Kitts MMI IV; NEVIS MMI III; Guadeloupe MMI IV.
NEIC Event type se. Moment Tensor Solution.Duration: 3s5 Moment tensor: Scale 10^{17}Nm; M_{rr}1.04 $M_{\theta\theta}$0.68 $M_{\phi\phi}$-1.72 $M_{r\theta}$-2.13 $M_{\theta\phi}$1.18 $M_{\phi r}$2.16 NP1:ϕ_s313.34000°,δ78.64000°,λ69.78000°. NP2:ϕ_s195.20000°,δ23.08000°,λ149.83000°. Principal axes: T 3.1723,Plg52.0000°,Azm200.0000°; N 0.7181,Plg20.0000°,Azm317.0000°; P -3.8905,Plg31.0000°,Azm60.0000° $M_0$3.53000×10^{17}
NEIC Event type se.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.07 $M_{\theta\theta}$-0.43 $M_{\phi\phi}$-0.64 $M_{r\theta}$-1.99 $M_{\theta\phi}$0.57 $M_{\phi r}$1.61 NP1:ϕ_s150.87000°,δ12.14000°,λ110.66000°. NP2:ϕ_s309.78000°,δ78.65000°,λ85.66000°. Principal axes: T 2.7762,Plg56.0000°,Azm214.0000°; N 0.0083,Plg4.0000°,Azm311.0000°; P -2.7845,Plg34.0000°,Azm43.0000° $M_0$2.78000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s119,c210; s142,c300;Duration: 1s7 Moment tensor: Scale 10^{17}Nm; M_{rr}1.17±.02 $M_{\theta\theta}$0.24±.02; $M_{\phi\phi}$-1.41±.02; $M_{r\theta}$-2.51±.06; $M_{\theta\phi}$0.75±.02; $M_{\phi r}$3.31±.06; Best double couple: NP1:ϕ_s323.00000°,δ81.00000°,λ82.00000°. NP2:ϕ_s184.00000°,δ12.00000°,λ130.00000°. Principal axes: T 4.2210,Plg53.0000°,Azm224.0000°; N 0.3760,Plg7.0000°,Azm324.0000°; P -4.5930,Plg36.0000°,Azm60.0000° $M_0$4.40700×10^{17}
(92) Leeward Islands
ISC IV 17 06 25 09.5–.52 17.50N–.02 61.15W–.03 17–3 5.0b,4.4s 1079 1-174
IDC IV 17 06 25 07.3–.37 17.48N 61.13W 0 4.7,4.7b **¶610529045**
MOS IV 17 06 25 07.6–.81 17.51N 61.15W 13 5.2b,4.4s
TRN IV 17 06 25 09.8 17.46N 61.20W 17 5.0,4.4s
NEIC IV 17 06 25 10.5–1.6 17.48N–.05 61.11W–.05 19–3 5.0b,4.8
NEIC IV 17 06 25 10.1 17.46N 61.09W 18 5.0b,4.8
GCMT IV 17 06 25 16.5–.30 17.55N–.02 60.81W–.03 27–1 5.0W,4.8
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s136.51181°,δ31.45615°,λ-104.29403°. NP2:ϕ_s333.14163°,δ59.62282°,λ-81.41100°. Principal axes: T Plg14.2181°,Azm56.8874°; N Plg7.4027°,Azm148.7739°; P Plg73.8975°,Azm265.5218°
TRN Event type fe. Felt in Antigua MMI IV,V; St. Kitts MMI III, IV Montserratt MMI III,IV;.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-1.96 $M_{\theta\theta}$1.08 $M_{\phi\phi}$0.88 $M_{r\theta}$0.42 $M_{\theta\phi}$-0.86 $M_{\phi r}$-0.29 NP1:ϕ_s133.46000°,δ37.65000°,λ-87.27000°. NP2:ϕ_s310.02000°,δ52.40000°,λ-92.10000°. Principal axes: T 1.9126,Plg7.0000°,Azm42.0000°; N 0.1160,Plg2.0000°,Azm311.0000°; P -2.0286,Plg82.0000°,Azm209.0000° $M_0$1.97000×10^{16}
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s40,c49; s71,c93;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.95±.23 $M_{\theta\theta}$2.06±.14; $M_{\phi\phi}$0.89±.17; $M_{r\theta}$0.23±.23; $M_{\theta\phi}$-2.29±.10; $M_{\phi r}$-1.62±.33; Best double couple: NP1:ϕ_s328.00000°,δ58.00000°,λ-64.00000°. NP2:ϕ_s106.00000°,δ40.00000°,λ-125.00000°. Principal axes: T 4.0450,Plg10.0000°,Azm40.0000°; N -0.4340,Plg22.0000°,Azm134.0000°; P -3.6100,Plg66.0000°,Azm287.0000° $M_0$3.82800×10^{16}
(259) Mindanao
ISC IV 17 13 55 18.8–.68 9.13N–.03 126.77E–.04 32–4 4.5b,3.7s 146 1-145
IDC IV 17 13 55 13.6–.61 8.96N 126.50E 0 4.1,4.1b **¶610529492**
MAN IV 17 13 55 19.4 9.15N 126.72E 22 4.6b,3.5L
NEIC IV 17 13 55 20.7–.81 9.10N–.07 126.5E–.10 42–7 4.6b,3.5L
DJA IV 17 13 55 24.8–1.3 10N–8.0 126E–8.0 60–12 5.4b,4.8
ISC Event type fe.
MAN Event type fe. INTENSITY II - CAGWAIT SURIGAO DEL SUR.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(259) Mindanao
MAN IV 17 14 07 58.5 7.70N 124.65E 1 4.7b,3.6L
¶616499105
MAN Event type fe. INTENSITY II - WAO LANAO DEL SUR.
(228) Near east coast of eastern Honshu
ISC IV 17 17 39 00.8–.44 34.58N–.03 140.38E–.04 73–3 4.6b 235 0-92
MOS IV 17 17 38 57.7–1.2 34.56N 140.50E 64 4.8b **¶610529477**
NEIC IV 17 17 39 01.5–1.3 34.58N–.06 140.41E–.10 77–7 4.7b
NIED IV 17 17 39 02.1 34.58N 140.21E 79 4.2W
IDC IV 17 17 39 02.0–1.7 34.49N 140.13E 78–14 4.2,3.9b
JMA IV 17 17 39 02.1–.27 34.6N–.70 140.2E–.90 79–2 4.4,4.3
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.50 $M_{\theta\theta}$1.20 $M_{\phi\phi}$-1.70 $M_{r\theta}$-0.66 $M_{\theta\phi}$-1.08 $M_{\phi r}$-0.81 NP1:ϕ_s241.00000°,δ88.00000°,λ151.00000°. NP2:ϕ_s332.00000°,δ61.00000°,λ2.00000°. $M_0$2.05000×10^{15}
JMA Event type fe. SE OFF BOSO PENINSULA .
(238) Ryukyu Islands
ISC IV 17 18 57 27.5–.60 27.61N–.03 130.33E–.03 16–3 4.6b,3.9s 506 1-116
BJI IV 17 18 57 24.4–.00 27.42N 130.44E 21 4.7b,4.4b **¶614798402**
IDC IV 17 18 57 25.2–.55 27.70N 130.29E 0 4.2,4.2b
MOS IV 17 18 57 26.1–1.3 27.65N 130.36E 17 4.8b,4.2b
NIED IV 17 18 57 27.7 27.62N 130.36E 65 4.3W,4.2b
JMA IV 17 18 57 27.7–.16 27.6N–.60 130.4E–.70 65–3 4.1,4.1
NEIC IV 17 18 57 28.2–1.7 27.74N–.07 130.26E–.07 16–4 4.9b,4.1
ISC Event type ke.
NIED Moment Tensor Solution. s2 Moment tensor: Scale 10^{15}Nm; M_{rr}-2.64 $M_{\theta\theta}$1.60 $M_{\phi\phi}$1.04 $M_{r\theta}$-0.09 $M_{\theta\phi}$0.80 $M_{\phi r}$2.14 NP1:ϕ_s204.00000°,δ65.00000°,λ-110.00000°. NP2:ϕ_s65.00000°,δ32.00000°,λ-54.00000°. $M_0$3.10000×10^{15}
JMA Event type fe. NEAR AMAMI-OSHIMA ISLAND.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(228) Near east coast of eastern Honshu
ISC IV 18 05 48 57.9–3.5 37.30N–.05 142.00E–.07 16–22 3.8b 33 1-63
NIED IV 18 05 48 59.8 37.34N 141.93E 37 3.7W **¶610619273**
JMA IV 18 05 48 59.8–.22 37.3N–.50 142E–1.0 37–3 3.9
IDC IV 18 05 49 04.6–3.9 37.01N 141.90E 78–34 3.7,3.4b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}0.66 $M_{\theta\theta}$-1.41 $M_{\phi\phi}$0.75 $M_{r\theta}$2.92 $M_{\theta\phi}$1.23 $M_{\phi r}$1.48 NP1:ϕ_s70.00000°,δ85.00000°,λ63.00000°. NP2:ϕ_s330.00000°,δ27.00000°,λ169.00000°. $M_0$3.69000×10^{14}
JMA Event type fe. E OFF FUKUSHIMA PREF .
IDC Error ellipse: s-maj=30.1km s-min=27.8km az=14.0.
(235) Kyushu
ISC IV 19 03 46 32.7–.88 32.70N–.03 130.05E–.03 12–6 4.6b,3.6s 114 0-87
IDC IV 19 03 46 30.4–.70 32.65N 130.02E 0 3.8,3.8b **¶610532794**
NIED IV 19 03 46 32.4 32.72N 130.02E 16 4.1W,3.8b
JMA IV 19 03 46 32.4–.05 32.7N–.10 130.0E–.20 16–0 4.2,4.1
NEIC IV 19 03 46 33.5–1.1 32.63N–.04 130.10E–.06 10–1 4.7b,4.1
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.86 $M_{\theta\theta}$1.43 $M_{\phi\phi}$-0.57 $M_{r\theta}$-0.44 $M_{\theta\phi}$0.22 $M_{\phi r}$0.70 NP1:ϕ_s116.00000°,δ65.00000°,λ-48.00000°. NP2:ϕ_s231.00000°,δ48.00000°,λ-145.00000°. $M_0$1.51000×10^{15}
JMA Event type fe. NEAR UNZENDAKE .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(259) Mindanao
ISC IV 19 04 26 07.5–.81 9.32N–.03 125.51E–.04 51–7 4.6b,4.1s 221 1-146
DJA IV 19 04 26 01.1–.60 10N–5.0 126E–6.0 10 5.6b,5.1 **¶610532786**
MAN IV 19 04 26 02.1 9.40N 125.54E 9 5.3b,4.4s
IDC IV 19 04 26 02.1–.56 9.58N 125.48E 0 4.3,4.3b
BJI IV 19 04 26 09.2–.00 9.27N 125.60E 80 4.8b,4.6b
NEIC IV 19 04 26 13.2–1.6 9.36N–.08 125.5E–.10 98–7 4.6b,4.6b
ISC Event type fe.
MAN Event type fe. INTENSITY III - JABONGA AND KITCHARAO AGUSAN DEL NORTE; ; SAN FRANCISCO SURIGAO DEL NORTE;; INTENSITY II - CABADBARAN CITY REMEDIOS T. ROMUALDEZ AND TUBAY AGUSAN DEL NORTE; SURIGAO ; CITY.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(248) Philippine Islands region
ISC IV 19 14 18 40.6–1.2 10.27N–.03 126.22E–.04 32–9 4.3b,2.8s 108 0-120
IDC IV 19 14 18 35.2–.66 10.20N 125.93E 0 4.1,4.1b **¶610653055**
MAN IV 19 14 18 41.8 10.24N 126.05E 13 5.4b,4.6s
NEIC IV 19 14 18 49.1–1.9 10.23N–.08 126.1E–.10 111–8 4.3b,4.6s
ISC Event type fe.
MAN Event type fe. INTENSITY IV - BURGOS SAN BENITO AND SANTA MONICA SURIGAO DEL NORTE; INTENSITY III- SAN ISIDRO SURIGAO DEL NORTE; INTENSITY II- SOCORRO DAPA AND DEL CARMEN SURIGAO DEL NORTE.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(238) Ryukyu Islands
ISC IV 19 15 16 02.5–.53 27.31N–.03 129.59E–.03 25–3 4.9b,4.2s 549 1-115
BJI IV 19 15 15 55.2–.00 27.11N 129.85E 5 4.7b,4.6s **¶610537718**
IDC IV 19 15 15 59.5–.53 27.45N 129.50E 0 4.5b,4.4
JMA IV 19 15 16 02.0–.21 27.3N–.60 129.6E–.90 25 4.7W,4.6
GCMT IV 19 15 16 02.4–.50 27.13N–.03 129.73E–.03 30–1 4.8W,4.6
NIED IV 19 15 16 02.0 27.29N 129.61E 25 4.7W,4.6
NEIC IV 19 15 16 03.4–1.4 27.40N–.05 129.46E–.08 27–2 4.9b,4.6
ISC Event type ke. Moment Tensor Solution. NP1:ϕ_s223.74970°,δ87.08376°,λ-102.83148°. NP2:ϕ_s121.15859°,δ13.15328°,λ-12.91910°. Principal axes: T Plg40.7365°,Azm325.7109°; N Plg12.8146°,Azm224.4136°; P Plg46.4298°,Azm120.5797°
JMA Event type fe. NEAR AMAMI-OSHIMA ISLAND.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s23,c25; s62,c80;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.19±.16 $M_{\theta\theta}$-0.07±.11; $M_{\phi\phi}$-1.12±.10; $M_{r\theta}$1.33±.19; $M_{\theta\phi}$-0.82±.06; $M_{\phi r}$0.61±.14; Best double couple: NP1:ϕ_s55.00000°,δ70.00000°,λ114.00000°. NP2:ϕ_s183.00000°,δ30.00000°,λ42.00000°. Principal axes: T 2.0330,Plg58.0000°,Azm357.0000°; N 0.0090,Plg22.0000°,Azm226.0000°; P -2.0440,Plg22.0000°,Azm127.0000° $M_0$2.03800×10^{16}
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}0.97 $M_{\theta\theta}$0.33 $M_{\phi\phi}$-1.30 $M_{r\theta}$0.33 $M_{\theta\phi}$-0.67 $M_{\phi r}$0.07 NP1:ϕ_s44.00000°,δ55.00000°,λ124.00000°. NP2:ϕ_s174.00000°,δ47.00000°,λ52.00000°. $M_0$1.34000×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(228) Near east coast of eastern Honshu
ISC IV 19 17 13 41.9–.67 36.73N–.03 140.65E–.04 11–4 4.5b,3.5s 153 0-133
IDC IV 19 17 13 40.2–.52 36.77N 140.54E 0 4.3,4.3b **¶610537709**
JMA IV 19 17 13 41.7–.03 36.7N–.10 140.6E–.20 6–0 4.5,4.4
NIED IV 19 17 13 41.7 36.70N 140.64E 6 4.2W,4.4
NEIC IV 19 17 13 44.2–1.1 36.78N–.05 140.64E–.08 24–5 4.6b,4.4
ISC Event type ke.
JMA Event type fe. NORTHERN IBARAKI PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-1.84 $M_{\theta\theta}$0.15 $M_{\phi\phi}$1.69 $M_{r\theta}$-1.06 $M_{\theta\phi}$-0.92 $M_{\phi r}$0.97 NP1:ϕ_s141.00000°,δ63.00000°,λ-104.00000°. NP2:ϕ_s350.00000°,δ30.00000°,λ-64.00000°. $M_0$2.46000×10^{15}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(228) Near east coast of eastern Honshu
ISC IV 19 17 15 32.6–.37 37.30N–.03 141.92E–.03 30–2 4.9b,4.1s 1007 1-155
IDC IV 19 17 15 28.3–.40 37.27N 141.85E 0 4.6,4.6b **¶614799475**
BJI IV 19 17 15 30.9–.00 37.11N 141.87E 33 4.9b,4.6b
NIED IV 19 17 15 30.8 37.32N 141.91E 36 4.6W,4.6b
JMA IV 19 17 15 30.8–.22 37.3N–.50 142E–1.0 36–3 5.0,4.8
GCMT IV 19 17 15 32.6–.50 37.35N–.03 141.94E–.04 27–1 4.9W,4.8
MOS IV 19 17 15 33.2–.91 37.41N 141.78E 41 5.1b,4.0s
NEIC IV 19 17 15 34.6–1.3 37.31N–.06 141.80E–.09 38–6 5.0b,4.0s
ISC Event type ke.

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-7.05 $M_{\theta\theta}$4.14 $M_{\phi\phi}$2.91 $M_{r\theta}$-1.19 $M_{\theta\phi}$4.94 $M_{\phi r}$-0.81 NP1:ϕ_s50.00000°,δ50.00000°,λ-88.00000°. NP2:ϕ_s227.00000°,δ40.00000°,λ-93.00000°. $M_0$7.91000×10^{15}
JMA Event type fe. E OFF FUKUSHIMA PREF .
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s18,c21; s72,c84;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.96±.25 $M_{\theta\theta}$1.40±.14; $M_{\phi\phi}$1.56±.16; $M_{r\theta}$-0.35±.24; $M_{\theta\phi}$0.99±.06; $M_{\phi r}$0.42±.27; Best double couple: NP1:ϕ_s214.00000°,δ46.00000°,λ-102.00000°. NP2:ϕ_s51.00000°,δ45.00000°,λ-77.00000°. Principal axes: T 2.4760,Plg1.0000°,Azm312.0000°; N 0.5700,Plg9.0000°,Azm222.0000°; P -3.0460,Plg81.0000°,Azm47.0000° $M_0$2.76100×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(228) Near east coast of eastern Honshu

ISC	IV	**19 19 46 07.4–.76**	**36.69N–.02**	**140.60E–.03**	**12–4**	**4.4b,3.4s**	**257**	**0-148**
IDC	IV	19 19 46 05.6–.50	36.73N	140.51E	0	4.2,4.2b		**¶616499239**
MOS	IV	19 19 46 07.3–.90	36.86N	140.44E	16	4.6b,4.2b		
JMA	IV	19 19 46 07.6–.03	36.70N–.07	140.6E–.10	9–0	4.2,4.2		
NIED	IV	19 19 46 07.6	36.70N	140.59E	9	4.0W,4.2		
NEIC	IV	19 19 46 08.5–2.6	36.74N–.04	140.68E–.07	10–1	4.4b,4.2		

ISC Event type ke.
JMA Event type fe. NORTHERN IBARAKI PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-1.09 $M_{\theta\theta}$-0.07 $M_{\phi\phi}$1.16 $M_{r\theta}$0.07 $M_{\theta\phi}$0.20 $M_{\phi r}$0.29 NP1:ϕ_s190.00000°,δ52.00000°,λ-88.00000°. NP2:ϕ_s8.00000°,δ38.00000°,λ-92.00000°. $M_0$1.18000×10^{15}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(95) Windward Islands

ISC	IV	**20 00 27 32.2–1.5**	**11.36N–.05**	**62.34W–.05**	**140–13**		**43**	**1-8**
TRN	IV	20 00 27 33.5	11.36N	62.33W	133	3.6		**¶613522768**
FUNV	IV	20 00 27 35.1	11.20N	62.21W	126	3.8W		

ISC Event type ke.
TRN Event type fe. Felt in Trinidad, MMI II, III.

(221) Kuril Islands

ISC	IV	**20 11 41 25.6–.25**	**44.43N–.03**	**148.73E–.03**	**60–1**	**5.5b**	**1822**	**1-157**
BJI	IV	20 11 41 25.2–.00	44.40N	148.51E	63	5.6b,5.2b		**¶610544362**
MOS	IV	20 11 41 25.4–.97	44.49N	148.67E	68	5.8b,4.7s		
JMA	IV	20 11 41 25.1–.28	44N–1.0	148E–1.0	0	5.2W,5.2		
NIED	IV	20 11 41 25.1	43.99N	148.47E	0	5.1W,5.2		
SKHL	IV	20 11 41 25.3–.30	44.30N	148.90E	76–4	6.2b,4.6s		
NEIC	IV	20 11 41 26	44.43N	148.73E	70	6.2b,4.6s		
NEIC	IV	20 11 41 26.3–1.7	44.42N–.06	148.73E–.09	63–4	5.5b,5.1		
NEIC	IV	20 11 41 26	44.13N	149.29E	70	5.5b,5.1		
IDC	IV	20 11 41 27.1–1.5	44.51N	148.64E	72–12	5.4,5.1b		
GCMT	IV	20 11 41 27.3–.20	44.40N–.01	148.90E–.02	54–0	5.2W,5.1b		

ISC Event type ke. Moment Tensor Solution. NP1:ϕ_s30.52963°,δ51.02659°,λ68.70750°. NP2: ϕ_s242.31392°,δ43.58361°,λ114.17307°. Principal axes: T Plg73.1265°,Azm238.3241°; N Plg16.3981°,Azm44.3028°; P Plg3.8684°,Azm135.4429°
MOS Event type fe. Felt (IV) at Gornyy, Goryachiye Klyuchi, (III-IV) at Kuril'sk, Reydovo, (II) at Yuzhno-Kuril'sk, Malokuril'skoye, Krabozavodskoye, Lagunnoye, Goryachiy Plyazh. Moment Tensor Solution.
JMA Event type fe. SE OFF ETOROFU .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}1.68 $M_{\theta\theta}$-0.86 $M_{\phi\phi}$-0.82 $M_{r\theta}$2.61 $M_{\theta\phi}$-1.26 $M_{\phi r}$4.07 NP1:ϕ_s33.00000°,δ80.00000°,λ84.00000°. NP2:ϕ_s243.00000°,δ12.00000°,λ119.00000°. $M_0$5.19000×10^{16}
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution.Duration: 1s8 Moment tensor: Scale 10^{16}Nm; M_{rr}5.66 $M_{\theta\theta}$-3.57 $M_{\phi\phi}$-2.09 $M_{r\theta}$0.82 $M_{\theta\phi}$-1.05 $M_{\phi r}$2.32 NP1:ϕ_s47.03000°,δ56.88000°,λ77.39000°. NP2:ϕ_s249.29000°,δ35.18000°,λ108.50000°. Principal axes: T 6.3320,Plg75.0000°,Azm281.0000°; N -1.8679,Plg11.0000°,Azm54.0000°; P -4.4641,Plg11.0000°,Azm146.0000° $M_0$5.40000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s96,c131; s122,c195;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.93±.02 $M_{\theta\theta}$-0.47±.02; $M_{\phi\phi}$-0.46±.02; $M_{r\theta}$0.10±.01; $M_{\theta\phi}$-0.42±.01; $M_{\phi r}$0.29±.01; Best double couple: NP1:ϕ_s38.00000°,δ54.00000°,λ81.00000°. NP2:ϕ_s232.00000°,δ37.00000°,λ102.00000°. Principal axes: T 0.9870,Plg79.0000°,Azm274.0000°; N -0.0560,Plg7.0000°,Azm43.0000°; P -0.9290,Plg9.0000°,Azm134.0000° $M_0$0.95800×10^{17}

(228) Near east coast of eastern Honshu

ISC	IV	**20 15 25 37.6–1.6**	**37.39N–.05**	**141.86E–.07**	**29–12**	**3.7b**	**29**	**1-61**
IDC	IV	20 15 25 31.4–2.3	37.59N	142.23E	0	3.7,3.7b		**¶614800292**
JMA	IV	20 15 25 39.3–.13	37.4N–.30	141.8E–.80	45–2	3.9,3.7b		

ISC Event type ke.
JMA Event type fe. E OFF FUKUSHIMA PREF .

(259) Mindanao

MAN	IV	**20 18 16 03.8**	**7.69N**	**124.73E**	**15**	**4.6b,3.5L**		**¶616499262**

MAN Event type fe. INTENSITY I - KALILANGAN. BUKIDNON.

(330) Lake Issyk-Kul region

ISC	IV	**21 00 55 45.0–.80**	**42.60N–.02**	**75.14E–.01**	**10–5**	**4.3b**	**404**	**0-95**
KNET	IV	21 00 55 43.3–.26	42.58N	75.18E	10–4	4.0L		**¶610546568**
IDC	IV	21 00 55 43.8–.62	42.67N	75.17E	0	4.1,4.0b		
KRNET	IV	21 00 55 44.1–.10	42.59N	75.15E	19	4.5b,4.0b		
SOME	IV	21 00 55 44.0	42.58N	75.15E	10	4.1s,4.0b		
BJI	IV	21 00 55 44.5–.00	42.83N	75.03E	18	4.9b,4.5b		
MOS	IV	21 00 55 44.5–.99	42.66N	75.07E	13	4.5b,4.5b		
NNC	IV	21 00 55 44.1–.34	42.63N	75.13E	0	4.9b,4.8		
NEIC	IV	21 00 55 45.1–1.8	42.59N–.06	75.15E–.05	10–1	4.5b,4.8		

ISC Event type se.
MOS Event type fe. Felt (IV-V) at Arpa-Tektir; (IV) at Kegety, Prigorodnoe; (III) at Tokmak, Kemin; (II-III) at Ivanovka, Kant, Bishkek. Moment Tensor Solution.
NNC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(224) Hokkaido region

ISC	IV	**21 08 47 39.9–.61**	**42.26N–.04**	**142.97E–.03**	**64–5**	**3.8b**	**56**	**0-146**
IDC	IV	21 08 47 39.9–1.6	42.27N	142.93E	58–14	3.9,3.5b		**¶610619278**
NIED	IV	21 08 47 41.0	42.35N	142.95E	55	4.0W,3.5b		
JMA	IV	21 08 47 41.0–.15	42.4N–.50	143.0E–.50	55–1	3.9,3.5b		
SKHL	IV	21 08 47 41.0–.80	42.30N	143.00E	59–6	5.0b,3.5b		

ISC Event type ke.
IDC Error ellipse: s-maj=17.5km s-min=10.4km az=108.0.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.97 $M_{\theta\theta}$0.75 $M_{\phi\phi}$0.22 $M_{r\theta}$0.05 $M_{\theta\phi}$-0.50 $M_{\phi r}$0.73 NP1:ϕ_s148.00000°,δ60.00000°,λ-60.00000°. NP2:ϕ_s279.00000°,δ41.00000°,λ-131.00000°. $M_0$1.23000×10^{15}
JMA Event type fe. HIDAKA MOUNTAINS REGION .

(228) Near east coast of eastern Honshu

ISC	IV	**21 19 42 37.5–1.3**	**40.54N–.04**	**142.43E–.06**	**29–9**	**3.9b**	**38**	**1-87**
NIED	IV	21 19 42 37.6	40.53N	142.46E	29	3.8W		**¶610619280**
JMA	IV	21 19 42 37.6–.16	40.5N–.40	142.5E–.80	29–1	4.0,4.0		
IDC	IV	21 19 42 41.0–1.9	40.54N	142.46E	61–17	3.8,3.5b		

ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-5.58 $M_{\theta\theta}$1.74 $M_{\phi\phi}$3.84 $M_{r\theta}$-0.72 $M_{\theta\phi}$1.93 $M_{\phi r}$-0.62 NP1:ϕ_s34.00000°,δ50.00000°,λ-87.00000°. NP2:ϕ_s208.00000°,δ40.00000°,λ-94.00000°. $M_0$5.37000×10^{14}
JMA Event type fe. E OFF AOMORI PREF .
IDC Error ellipse: s-maj=21.2km s-min=11.4km az=105.0.

(228) Near east coast of eastern Honshu

ISC	IV	**21 21 32 23.8–1.3**	**38.51N–.05**	**141.80E–.10**	**53–8**		**27**	**0-59**
IDC	IV	21 21 32 21.3–5.9	38.71N	142.28E	47–48	3.5,3.3b		**¶614801495**
JMA	IV	21 21 32 24.6–.09	38.5N–.20	141.7E–.50	53–0	3.7,3.3b		

ISC Event type ke.
JMA Event type fe. KINKAZAN REGION .

(219) Off east coast of Kamchatka Peninsula

ISC	IV	**22 07 32 06.8–.94**	**52.42N–.04**	**159.58E–.04**	**46–8**	**4.2b,3.3s**	**185**	**1-135**
KRSC	IV	22 07 32 04.4–1.0	52.37N	159.66E	43–13	4.6L,3.3s		**¶610547341**
MOS	IV	22 07 32 05.8–1.1	52.37N	159.62E	51	4.2b,3.3s		
NEIC	IV	22 07 32 09.1–1.1	52.7N–.10	159.3E–.10	57–5	4.3b,3.3s		
IDC	IV	22 07 32 10.1–1.5	52.58N	159.27E	77–11	3.9,3.5b		

ISC Event type se.
KRSC Event type se.
MOS Event type fe. Error ellipse: s-maj=8.0km s-min=3.8km az=89.4. Felt (II) at Petropavlovsk-Kamchatskiy. Moment Tensor Solution.
NEIC Event type se. Error ellipse: s-maj=14.7km s-min=12.8km az=184.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=17.8km s-min=12.5km az=153.0.

(228) Near east coast of eastern Honshu

ISC	IV	**22 21 49 54.5–2.3**	**38.96N–.05**	**142.4E–.10**	**25–16**	**3.7b**	**29**	**1-63**
NIED	IV	22 21 49 53.5	38.95N	142.46E	26	3.6W		**¶614802329**
JMA	IV	22 21 49 53.5–.17	39.0N–.40	142.5E–.80	26–1	3.8		
IDC	IV	22 21 49 57.7–3.3	38.89N	142.40E	54–31	3.6,3.4b		

ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-2.57 $M_{\theta\theta}$-0.05 $M_{\phi\phi}$2.62 $M_{r\theta}$0.35 $M_{\theta\phi}$-1.31 $M_{\phi r}$-0.02 NP1:ϕ_s329.00000°,δ47.00000°,λ-102.00000°. NP2:ϕ_s167.00000°,δ44.00000°,λ-77.00000°. $M_0$2.89000×10^{14}
JMA Event type fe. E OFF MIYAGI PREF .
IDC Error ellipse: s-maj=32.6km s-min=20.1km az=100.0.

(259) Mindanao

ISC	IV	**23 01 19 45.8–.24**	**9.20N–.02**	**126.35E–.03**	**55–1**	**5.2b,4.5s**	**1172**	**1-177**
DJA	IV	23 01 19 41.7–.50	10N–3.0	127E–3.0	23–3	6.1,5.7b		**¶610547528**
MAN	IV	23 01 19 44.7	9.18N	126.39E	21	5.8b,5.2s		
MOS	IV	23 01 19 45.0–.93	9.26N	126.19E	60	5.5b,4.7s		
BJI	IV	23 01 19 45.0–.00	9.09N	126.33E	75	5.0b,4.9b		
GCMT	IV	23 01 19 46.8–.10	9.17N–.01	126.58E–.01	44–0	5.4W,4.9b		
NEIC	IV	23 01 19 46.8–2.2	9.27N–.06	126.29E–.08	53–4	5.3b,4.9b		
IDC	IV	23 01 19 47.1–1.2	9.20N	126.23E	68–10	5.1,4.8b		
KLM	IV	23 01 19 47	9.22N	126.63E	59	5.3b,4.8b		

ISC Event type fe. Moment Tensor Solution. NP1:ϕ_s198.86841°,δ26.43988°,λ79.98678°. NP2: ϕ_s30.02349°,δ63.99331°,λ94.94170°. Principal axes: T Plg70.5951°,Azm310.5876°; N Plg4.4403°,Azm207.8523°; P Plg18.8502°,Azm116.3332°
MAN Event type fe. INTENSITY IV - TANDAG SAN MIGUEL BAYABAS AND CAGWAIT SURIGAO DEL SUR;; TALACOGON AGUSAN DEL SUR; INTENSITY III - SURIGAO CITY SOCORRO GENERAL LUNA PILAR MAINIT DEL CARMEN AND BURGOS SURIGAO DEL ; NORTE; CABADBARAN CITY REMEDIOS T. ROMUALDEZ MAGALLANES TUBAY SANTIAGO JABONGA AND ; KITCHARAO AGUSAN DEL NORTE; INTENSITY II - BUTUAN CITY; HINATUAN SURIGAO DEL SUR; SISON MALIMONO AND SAN FRANCISCO SURIGAO DEL ; NORTE; BISLIG CITY; LORETO DINAGAT ISLAND.
MOS Error ellipse: s-maj=5.9km s-min=3.8km az=117.6.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s132,c209; s127,c222;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}1.14±.02 $M_{\theta\theta}$0.27±.02; $M_{\phi\phi}$-1.41±.02; $M_{r\theta}$0.35±.02; $M_{\theta\phi}$-0.04±.01; $M_{\phi r}$0.36±.03; Best double couple: NP1:ϕ_s18.00000°,δ56.00000°,λ112.00000°. NP2:ϕ_s163.00000°,δ40.00000°,λ62.00000°. Principal axes: T 1.3030,Plg70.0000°,Azm339.0000°; N 0.1610,Plg18.0000°,Azm186.0000°; P -1.4650,Plg8.0000°,Azm93.0000° $M_0$1.38400×10^{17}
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=8.3km az=78.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=12.4km s-min=7.6km az=77.0.

(97) Near coast of Venezuela

ISC	IV	**23 01 52 19.9–.66**	**10.90N–.04**	**62.39W–.03**	**94–6**	**4.6b**	**504**	**1-145**
VAO	IV	23 01 52 12.3–.49	11.02N	62.11W	10	4.6b		**¶610547530**
NEIC	IV	23 01 52 20.0–1.7	10.88N–.08	62.38W–.07	87–7	4.6b		
TRN	IV	23 01 52 20.5	10.86N	62.31W	82	4.6		
FUNV	IV	23 01 52 21.6	10.85N	62.25W	87	4.8W		
IDC	IV	23 01 52 23.5–1.2	10.98N	62.58W	127–12	4.5,4.1b		

ISC Event type se.
VAO Error ellipse: s-maj=5.9km s-min=4.6km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=12.2km s-min=8.9km az=140.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TRN Event type fe. Felt in Trinidad MMI III and Grenada MMI III.
IDC Error ellipse: s-maj=14.0km s-min=11.5km az=104.0.

(224) Hokkaido region

ISC	IV	**23 06 37 08.6–.45**	**46.09N–.02**	**142.22E–.03**	**15–2**	**5.2b,4.7s**	**1319**	**1-156**
SKHL	IV	23 06 37 04.7–.80	45.99N	142.05E	5–3	5.3b,5.0s		**¶610547552**
NIED	IV	23 06 37 05.2	46.31N	142.20E	14	5.1W,5.0s		
BJI	IV	23 06 37 05.0–.00	46.34N	142.56E	23	5.3b,5.2s		
JMA	IV	23 06 37 05.2–.50	46N–1.0	142E–2.0	14–3	5.3,5.1W		
BGR	IV	23 06 37 05.8	45.72N	143.44E	33	5.3b,4.7s		
IDC	IV	23 06 37 06.1–.39	46.16N	142.20E	0	4.9b,4.8		
MOS	IV	23 06 37 07.5–.88	46.15N	142.13E	19	5.3b,4.7s		
NEIC	IV	23 06 37 08.1–1.1	46.17N–.04	142.18E–.09	10–1	5.2b,4.7s		
GCMT	IV	23 06 37 11.1–.20	46.25N–.02	141.98E–.01	15–0	5.1W,4.7s		

ISC Event type ke.
SKHL Event type fe. Felt (IV) at Kril'on, (III-IV) at Aniva, Shebunino, Taranay, (III) at Gornozavodsk, (II-III) at Ogon'ki, Korsakov, Nevel'sk, (II) at Kholmsk, Troitskoye, Yuzhno-Sakhalinsk, Dal'nee, Starodubskoye, Uglegorsk.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}4.41 $M_{\theta\theta}$-0.32 $M_{\phi\phi}$-4.09 $M_{r\theta}$0.19 $M_{\theta\phi}$0.30 $M_{\phi r}$-0.63 NP1:ϕ_s174.00000°,δ49.00000°,λ88.00000°. NP2:ϕ_s357.00000°,δ41.00000°,λ93.00000°. $M_0$4.31000×10^{16}
JMA Event type fe. SOUTH SAKHALIN .
BGR Event type ke.
MOS Event type fe. Felt (III) at Aniva, Kril'on; (II-III) at Yuzhno-Sakhalinsk, Nevel'sk; (II) at Holmsk, Dal'neye. Moment Tensor Solution.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s82,c102; s134,c214;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}5.91±.18 $M_{\theta\theta}$-0.43±.11; $M_{\phi\phi}$-5.48±.14; $M_{r\theta}$-0.96±.26; $M_{\theta\phi}$0.04±.08; $M_{\phi r}$-2.35±.24; Best double couple: NP1:ϕ_s188.00000°,δ57.00000°,λ99.00000°. NP2:ϕ_s352.00000°,δ34.00000°,λ77.00000°. Principal axes: T 6.5070,Plg76.0000°,Azm125.0000°; N -0.5570,Plg7.0000°,Azm3.0000°; P -5.9500,Plg11.0000°,Azm272.0000° $M_0$6.22800×10^{16}

(228) Near east coast of eastern Honshu

ISC	IV	**23 10 09 15.7–.94**	**37.13N–.04**	**141.32E–.05**	**23–6**	**4.4b,2.9s**	**183**	**0-147**
IDC	IV	23 10 09 12.1–.57	37.10N	141.33E	0	4.0,4.0b		**¶610547558**
MOS	IV	23 10 09 12.6–.96	37.15N	141.38E	15	4.5b,4.0b		
NIED	IV	23 10 09 14.3	37.10N	141.38E	32	4.0W,4.0b		
JMA	IV	23 10 09 14.3–.14	37.1N–.30	141.4E–.70	32–0	4.4,4.3		
NEIC	IV	23 10 09 18.2–1.9	37.20N–.05	141.21E–.09	39–7	4.4b,4.3		

ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-1.20 $M_{\theta\theta}$0.00 $M_{\phi\phi}$1.19 $M_{r\theta}$0.00 $M_{\theta\phi}$0.37 $M_{\phi r}$0.00 NP1:ϕ_s196.00000°,δ45.00000°,λ-90.00000°. NP2:ϕ_s16.00000°,δ45.00000°,λ-90.00000°. $M_0$1.25000×10^{15}
JMA Event type fe. E OFF FUKUSHIMA PREF .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(224) Hokkaido region

ISC	IV	**23 18 43 15.1–.73**	**41.92N–.05**	**143.35E–.06**	**47–6**	**4.3b,3.3s**	**116**	**0-146**
NEIC	IV	23 18 43 15.6–2.6	41.97N–.02	143.4E–.10	45–8	4.4b,3.3s		**¶610619284**
NIED	IV	23 18 43 16.1	41.97N	143.21E	45	4.2W,3.3s		
JMA	IV	23 18 43 16.1–.16	42.0N–.60	143.2E–.70	45–1	4.4,4.3		
IDC	IV	23 18 43 18.0–1.7	42.05N	143.09E	66–14	4.0,3.8b		

ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=3.3km az=88.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-1.51 $M_{\theta\theta}$1.36 $M_{\phi\phi}$0.15 $M_{r\theta}$0.95 $M_{\theta\phi}$-1.36 $M_{\phi r}$0.63 NP1:ϕ_s274.00000°,δ61.00000°,λ-129.00000°. NP2:ϕ_s153.00000°,δ48.00000°,λ-42.00000°. $M_0$2.28000×10^{15}
JMA Event type fe. HIDAKA MOUNTAINS REGION .
IDC Error ellipse: s-maj=15.6km s-min=10.1km az=117.0.

(224) Hokkaido region

ISC	IV	**24 07 14 09.1–.56**	**42.37N–.04**	**141.89E–.03**	**127–5**	**4.2b**	**236**	**0-152**
IDC	IV	24 07 14 08.5–1.0	42.40N	141.92E	119–8	4.2,3.8b		**¶610547888**
NEIC	IV	24 07 14 08.6–1.6	42.40N–.06	141.8E–.10	118–5	4.2b,3.8b		
JMA	IV	24 07 14 08.6–.20	42.4N–.70	141.8E–.70	128–1	4.0,3.9		
NIED	IV	24 07 14 08.6	42.43N	141.77E	128	4.0W,3.9		

SKHL IV 24 07 14 10.0–.20 42.50N 142.10E 132–8 5.7,4.7b
ISC Event type ke.
IDC Error ellipse: s-maj=12.3km s-min=9.8km az=120.0.
NEIC Event type se. Error ellipse: s-maj=13.5km s-min=7.6km az=106.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. S OFF TOMAKOMAI .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-1.01 $M_{\theta\theta}$0.65 $M_{\phi\phi}$0.36 $M_{r\theta}$0.02 $M_{\theta\phi}$0.54 $M_{\phi r}$0.31 NP1:ϕ_s220.00000°,δ52.00000°,λ-106.00000°. NP2:ϕ_s65.00000°,δ41.00000°,λ-71.00000°. $M_0$1.09000$\times10^{15}$

(230) Near south coast of eastern Honshu
ISC IV 24 13 58 22.0–.80 34.89N–.03 137.89E–.03 34–2 4.2b 63 0-69
IDC IV 24 13 58 16.8–1.0 34.81N 137.57E 0 3.9b,3.8 **¶610548734**
NEIC IV 24 13 58 22.4–1.5 34.87N–.04 137.88E–.07 41–3 4.3b,3.8
NIED IV 24 13 58 22.2 34.90N 137.91E 34 3.9W,3.8
JMA IV 24 13 58 22.2–.07 34.9N–.20 137.9E–.20 34–0 3.9,3.8
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}0.45 $M_{\theta\theta}$-1.55 $M_{\phi\phi}$1.11 $M_{r\theta}$-6.15 $M_{\theta\phi}$2.29 $M_{\phi r}$-1.02 NP1:ϕ_s260.00000°,δ88.00000°,λ67.00000°. NP2:ϕ_s164.00000°,δ23.00000°,λ174.00000°. $M_0$6.78000$\times10^{14}$
JMA Event type fe. SW SHIZUOKA PREF .

(221) Kuril Islands
ISC IV 25 12 40 14.0–.82 43.82N–.05 147.29E–.05 57–7 3.5b 79 0-83
MOS IV 25 12 40 13.3–.88 43.83N 147.25E 69 3.7b **¶610554298**
IDC IV 25 12 40 15.1–2.6 43.75N 147.26E 71–25 3.6,3.3b
JMA IV 25 12 40 15.0–.21 43.8N–.80 147E–1.0 39 4.2,3.9
NIED IV 25 12 40 15.0 43.75N 147.22E 39 3.9W,3.9
SKHL IV 25 12 40 16.0–.70 43.90N 147.20E 72–6 4.9b,3.9
ISC Event type ke.
MOS Event type fe. Error ellipse: s-maj=11.5km s-min=8.9km az=53.6. Felt (II-III) at Malokuril'skoye. Moment Tensor Solution.
IDC Error ellipse: s-maj=23.8km s-min=16.3km az=146.0.
JMA Event type fe. E OFF HOKKAIDO .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}2.04 $M_{\theta\theta}$0.64 $M_{\phi\phi}$-2.67 $M_{r\theta}$-3.17 $M_{\theta\phi}$-0.53 $M_{\phi r}$-5.59 NP1:ϕ_s209.00000°,δ81.00000°,λ99.00000°. NP2:ϕ_s344.00000°,δ13.00000°,λ46.00000°. $M_0$6.87000$\times10^{14}$

(656) Southeastern Siberia
ISC IV 25 14 59 03.5–.74 56.59N–.02 121.52E–.02 12–5 111 0-34
YARS IV 25 14 59 04.2 56.61N 121.54E 5 **¶610554308**
MOS IV 25 14 59 04.3–2.8 56.62N 121.54E 7 3.9b
BYKL IV 25 14 59 04.6–18 56.58N 121.53E 4–2 3.9b
ISC Event type se.
MOS Event type fe. Error ellipse: s-maj=10.9km s-min=8.7km az=97.5. Felt (II) at Uktali. Moment Tensor Solution.
BYKL Event type se. FELT I=II MSK at Yuktali.

(228) Near east coast of eastern Honshu
ISC IV 25 18 01 33.7–.88 38.86N–.05 142.16E–.08 51 3.7b 32 0-67
JMA IV 25 18 01 34.3–.10 38.9N–.30 142.0E–.60 49–0 3.6 **¶610619286**
NIED IV 25 18 01 34.3 38.89N 141.97E 49 3.7W
IDC IV 25 18 01 35.4–2.5 38.88N 142.18E 68–22 3.6,3.4b
ISC Event type ke.
JMA Event type fe. KINKAZAN REGION .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}1.93 $M_{\theta\theta}$-0.19 $M_{\phi\phi}$-1.74 $M_{r\theta}$1.40 $M_{\theta\phi}$-0.25 $M_{\phi r}$2.70 NP1:ϕ_s24.00000°,δ75.00000°,λ97.00000°. NP2:ϕ_s179.00000°,δ17.00000°,λ65.00000°. $M_0$3.56000$\times10^{14}$
IDC Error ellipse: s-maj=24.6km s-min=15.3km az=102.0.

(228) Near east coast of eastern Honshu
ISC IV 25 18 12 38.4–1.2 38.85N–.05 142.07E–.09 55–8 3.8b 30 0-59
JMA IV 25 18 12 38.7–.10 38.9N–.30 142.0E–.60 49–0 3.5 **¶610619287**
NIED IV 25 18 12 38.7 38.89N 141.97E 49 3.4W
IDC IV 25 18 12 40.2–3.0 38.91N 142.15E 73–23 3.8,3.5b
ISC Event type ke.
JMA Event type fe. KINKAZAN REGION .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}0.64 $M_{\theta\theta}$-0.17 $M_{\phi\phi}$-0.47 $M_{r\theta}$0.50 $M_{\theta\phi}$-0.39 $M_{\phi r}$1.34 NP1:ϕ_s22.00000°,δ78.00000°,λ83.00000°. NP2:ϕ_s230.00000°,δ14.00000°,λ118.00000°. $M_0$1.59000$\times10^{14}$
IDC Error ellipse: s-maj=46.8km s-min=21.0km az=84.0.

(228) Near east coast of eastern Honshu
ISC IV 26 03 27 12.8–2.1 38.42N–.05 142.30E–.08 25–14 3.7b 39 1-89
IDC IV 26 03 27 15.1–2.7 38.43N 142.39E 44–25 3.7,3.4b **¶610650030**
JMA IV 26 03 27 17.4–.11 38.4N–.30 141.9E–.60 45–0 4.0,3.5
ISC Event type ke.
JMA Event type fe. E OFF MIYAGI PREF .

(228) Near east coast of eastern Honshu
ISC IV 27 16 39 04.0–.99 40.89N–.03 142.07E–.05 55–9 3.8b 38 1-66
JMA IV 27 16 39 03.5–.12 40.9N–.30 142.1E–.90 51–2 3.7 **¶610650150**
IDC IV 27 16 39 04.2–2.2 40.87N 142.26E 68–19 3.7,3.6b
ISC Event type ke.
JMA Event type fe. E OFF AOMORI PREF .
IDC Error ellipse: s-maj=30.4km s-min=14.5km az=99.0.

(320) Kyrgyzstan-Xinjiang border region
ISC IV 28 05 01 25.4–.51 41.90N–.02 76.78E–.01 13–3 4.6b,3.8s 625 0-97
IDC IV 28 05 01 22.8–.65 41.82N 76.83E 0 4.4,4.4b **¶611833675**
MOS IV 28 05 01 23.1–1.1 41.84N 76.85E 9 4.7b,4.4b
BJI IV 28 05 01 23.7–.00 41.90N 76.77E 23 4.6b,4.6L
NEIC IV 28 05 01 24.7–1.8 41.90N–.07 76.81E–.09 7–4 4.7b,4.3
SOME IV 28 05 01 24.3 41.90N 76.83E 15 4.1s,4.3
KRNET IV 28 05 01 24.1–.10 41.89N 76.80E 15 5.2b,4.3
NNC IV 28 05 01 24.9–.44 41.93N 76.80E 0 5.3,5.2b
KNET IV 28 05 01 25.9–.56 41.93N 76.67E 13–2 4.5L,5.2b
NEIC IV 28 05 01 26 41.92N 76.80E 15 4.5L,5.2b
BGR IV 28 05 01 37.3 42.86N 77.20E 33 4.5b,5.2b
ISC Event type ke.
IDC Error ellipse: s-maj=13.6km s-min=8.4km az=3.0.
MOS Event type fe. Error ellipse: s-maj=4.1km s-min=3.3km az=98.1. Felt (III-IV) at Almaty. Moment Tensor Solution.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=9.2km az=146.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}1.92 $M_{\theta\theta}$-2.19 $M_{\phi\phi}$0.27 $M_{r\theta}$-2.48 $M_{\theta\phi}$-0.54 $M_{\phi r}$0.95 NP1:ϕ_s55.10000°,δ25.55000°,λ45.20000°. NP2:ϕ_s282.84000°,δ72.18000°,λ108.61000°. Principal axes: T 3.4614,Plg59.0000°,Azm219.0000°; N -0.0967,Plg18.0000°,Azm97.0000°; P -3.3647,Plg25.0000°,Azm358.0000° $M_0$3.41000$\times10^{15}$
NNC Event type se. Error ellipse: s-maj=2.8km s-min=2.2km az=158.0.
KNET Error ellipse: s-maj=5.1km s-min=2.8km az=64.0.
NEIC Event type se.
BGR Event type ke.

(228) Near east coast of eastern Honshu
JMA IV 28 07 30 03.8–.09 38.4N–.20 142.0E–.50 58–0 3.6
NIED IV 28 07 30 03.8 38.42N 141.98E 58 3.6W **¶614806587**
JMA Event type fe. E OFF MIYAGI PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}2.01 $M_{\theta\theta}$-0.65 $M_{\phi\phi}$-1.36 $M_{r\theta}$1.15 $M_{\theta\phi}$-1.51 $M_{\phi r}$-0.59 NP1:ϕ_s65.00000°,δ55.00000°,λ127.00000°. NP2:ϕ_s192.00000°,δ49.00000°,λ49.00000°. $M_0$2.67000$\times10^{14}$

(228) Near east coast of eastern Honshu
ISC IV 28 08 11 01.5–1.8 36.54N–.05 141.12E–.08 24–15 26 0-6
JMA IV 28 08 11 02.4–.12 36.5N–.30 141.0E–.70 54–1 3.5 **¶612489595**
ISC Event type ke.
JMA Event type fe. E OFF IBARAKI PREF .

(212) Bonin Islands region
ISC IV 28 21 01 08.9–.34 26.40N–.04 141.79E–.06 40 4.6b 334 0-150
IDC IV 28 21 01 02.5–.50 26.37N 141.64E 0 4.3b,4.2 **¶610588549**
MOS IV 28 21 01 07.9–1.1 26.36N 141.58E 50 4.7b,4.2
BJI IV 28 21 01 08.0–.00 26.40N 141.80E 51 4.6b,4.2
NEIC IV 28 21 01 09.6–2.2 26.34N–.06 142.0E–.10 41–6 4.6b,4.2
JMA IV 28 21 01 10.2–.08 26.5N–.20 142.0E–.90 54 4.7,4.1
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. NEAR CHICHIJIMA ISLAND .

(228) Near east coast of eastern Honshu
ISC IV 29 05 55 24.5–.80 35.20N–.04 140.28E–.07 25–5 3.8b,2.7s 31 0-80
IDC IV 29 05 55 21.0–.64 35.19N 140.25E 0 3.8,3.8b **¶616499881**
JMA IV 29 05 55 26.0–.15 35.3N–.40 140.3E–.60 13–1 3.7,3.8b
NIED IV 29 05 55 26.0 35.25N 140.29E 13 3.8W,3.8b
ISC Event type ke.
IDC Error ellipse: s-maj=20.8km s-min=13.2km az=85.0.
JMA Event type fe. KUJUKURI COAST BOSO PEN .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}3.14 $M_{\theta\theta}$-2.65 $M_{\phi\phi}$-0.49 $M_{r\theta}$4.26 $M_{\theta\phi}$-2.52 $M_{\phi r}$1.74 NP1:ϕ_s67.00000°,δ71.00000°,λ99.00000°. NP2:ϕ_s221.00000°,δ21.00000°,λ66.00000°. $M_0$5.94000$\times10^{14}$

(259) Mindanao
ISC IV 29 05 55 25.8–1.1 5.42N–.03 124.95E–.06 32–9 3.6b 28 1-90
DJA IV 29 05 55 21.9–.60 5N–4.0 126E–7.0 175–6 5.3b,4.7 **¶610650284**
MAN IV 29 05 55 29.0 5.57N 124.99E 38 4.8b,3.7L
IDC IV 29 05 55 32.6–3.7 5.64N 125.37E 99–40 3.8,3.4b
ISC Event type fe.
MAN Event type fe. INTENSITY II - GENERAL SANTOS CITY.
IDC Error ellipse: s-maj=109.6km s-min=17.8km az=71.0.

(235) Kyushu
ISC IV 29 12 32 33.7–.21 30.81N–.02 131.43E–.02 35–0 5.6b,5.6s 2053 0-176
BJI IV 29 12 32 28.4–.00 30.56N 131.67E 29 5.9,5.9s **¶610589443**
NIED IV 29 12 32 33.0 30.78N 131.48E 44 5.7W,5.9s
NEIC IV 29 12 32 32.2 30.79N 131.41E 18 5.7W,5.9s
JMA IV 29 12 32 33.0–.15 30.8N–.40 131.5E–.90 44–1 5.8W,5.6
MOS IV 29 12 32 32.0–1.1 30.80N 131.38E 35 5.9s,5.8b
NEIC IV 29 12 32 32.2 30.79N 131.41E 18 5.9s,5.8b
IDC IV 29 12 32 33.6–1.6 30.84N 131.33E 36–12 5.5s,5.3
NEIC IV 29 12 32 34.1 30.80N 131.43E 24 5.5s,5.3
BGR IV 29 12 32 34.6 31.58N 132.42E 33 6.2s,5.6b
NEIC IV 29 12 32 34.1–1.7 30.82N–.05 131.42E–.06 31–1 5.7,5.7b
NEIC IV 29 12 32 34.1 30.80N 131.66E 24 5.7,5.7b
GCMT IV 29 12 32 35.1–.10 30.82N–.01 131.43E–.01 26–0 5.8W,5.7b
ISC Event type ke. Moment Tensor Solution. NP1:ϕ_s211.98109°,δ53.06505°,λ-100.77689°. NP2: ϕ_s49.55709°,δ38.25893°,λ-76.03256°. Principal axes: T Plg7.4886°,Azm309.6447° ; N Plg8.5957°,Azm218.5061°; P Plg78.5623°,Azm80.1644°
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{17}Nm; M_{rr}-3.51 $M_{\theta\theta}$0.76 $M_{\phi\phi}$2.75 $M_{r\theta}$1.68 $M_{\theta\phi}$0.56 $M_{\phi r}$2.20 NP1:ϕ_s208.00000°,δ65.00000°,λ-81.00000°. NP2:ϕ_s7.00000°,δ26.00000°,λ-109.00000°. $M_0$4.22000$\times10^{17}$
NEIC Event type se.
JMA Event type fe. SE OFF OSUMI PEN .
NEIC Event type se.
NEIC Event type se.
BGR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-3.41 $M_{\theta\theta}$-0.11 $M_{\phi\phi}$3.52 $M_{r\theta}$0.92 $M_{\theta\phi}$0.81 $M_{\phi r}$0.18 NP1:ϕ_s358.04000°,δ43.78000°,λ-110.97000°. NP2:ϕ_s206.00000°,δ49.75000°,λ-71.07000°. Principal axes: T 3.7184,Plg3.0000°,Azm283.0000°; N -0.0659,Plg14.0000°,Azm14.0000°; P -3.6525,Plg75.0000°,Azm181.0000° $M_0$3.69000$\times10^{17}$ Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-2.73 $M_{\theta\theta}$-0.81 $M_{\phi\phi}$3.53 $M_{r\theta}$0.80 $M_{\theta\phi}$1.07 $M_{\phi r}$0.89 NP1:ϕ_s356.26000°,δ38.43000°,λ-115.42000°. NP2:ϕ_s207.50000°,δ55.85000°,λ-71.19000°. Principal axes: T 3.9471,Plg9.0000°,Azm284.0000°; N -0.8947,Plg15.0000°,Azm17.0000°; P -3.0524,Plg72.0000°,Azm165.0000° $M_0$3.58000$\times10^{17}$
NEIC Event type se. Moment Tensor Solution.Duration: 3s8 Moment tensor: Scale 10^{17}Nm; M_{rr}-4.59 $M_{\theta\theta}$0.10 $M_{\phi\phi}$4.49 $M_{r\theta}$0.45 $M_{\theta\phi}$0.91 $M_{\phi r}$0.23 NP1:ϕ_s196.26000°,δ47.14000°,λ-83.17000°. NP2:ϕ_s6.27000°,δ43.30000°,λ-97.30000°. Principal axes: T 4.6797,Plg2.0000°,Azm281.0000°; N -0.0463,Plg5.0000°,Azm12.0000°; P -4.6334,Plg85.0000°,Azm170.0000° $M_0$4.66000$\times10^{17}$
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s149,c290; s166,c350;Duration: 1s9 Moment tensor: Scale 10^{17}Nm; M_{rr}-4.89±.06 $M_{\theta\theta}$-0.02±.04; $M_{\phi\phi}$4.91±.05; $M_{r\theta}$1.84±.10; $M_{\theta\phi}$0.71±.04; $M_{\phi r}$2.89±.10; Best double couple: NP1:ϕ_s211.00000°,δ62.00000°,λ-77.00000°. NP2:ϕ_s355.00000°,δ30.00000°,λ-113.00000°. Principal axes: T 5.9370,Plg17.0000°,Azm282.0000°; N 0.1650,Plg11.0000°,Azm15.0000°; P -6.1020,Plg70.0000°,Azm138.0000° $M_0$6.01900$\times10^{17}$

(235) Kyushu
ISC IV 29 13 40 33.6–.71 30.76N–.03 131.35E–.04 34–2 4.6b,4.2s 167 0-87
BJI IV 29 13 40 29.2–.00 30.57N 131.62E 31 4.9b,4.4b **¶610589273**
MOS IV 29 13 40 31.9–1.1 30.76N 131.23E 34 4.9b,4.4b
JMA IV 29 13 40 33.8–.15 30.8N–.40 131.4E–.90 36–1 4.3,4.1
NIED IV 29 13 40 33.8 30.77N 131.44E 36 4.4W,4.1
NEIC IV 29 13 40 34.0–2.0 30.78N–.05 131.32E–.06 32–6 4.7b,4.1
IDC IV 29 13 40 34.7–1.3 30.77N 131.23E 42–11 4.3,4.1b
ISC Event type ke.
MOS Error ellipse: s-maj=9.8km s-min=5.9km az=94.9.
JMA Event type fe. SE OFF OSUMI PEN .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.64 $M_{\theta\theta}$0.51 $M_{\phi\phi}$0.13 $M_{r\theta}$3.41 $M_{\theta\phi}$0.09 $M_{\phi r}$3.51 NP1:ϕ_s224.00000°,δ87.00000°,λ-92.00000°. NP2:ϕ_s81.00000°,δ4.00000°,λ-54.00000°. $M_0$4.92000$\times10^{15}$
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=7.3km az=221.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=14.7km s-min=8.2km az=96.0.

(235) Kyushu
ISC IV 29 19 40 51.5–.55 30.77N–.03 131.39E–.04 37–1 4.3b,3.8s 130 0-89
BJI IV 29 19 40 42.6–.00 30.48N 131.82E 10 4.6b,4.1b **¶610589450**
IDC IV 29 19 40 45.3–.60 30.78N 131.18E 0 4.0,4.0b
NEIC IV 29 19 40 49.9–1.7 30.78N–.05 131.43E–.07 22–5 4.6b,4.0b
NIED IV 29 19 40 51.1 30.79N 131.43E 32 4.6W,4.0b
JMA IV 29 19 40 51.1–.13 30.8N–.30 131.4E–.70 32–1 3.9,4.0b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-1.77 $M_{\theta\theta}$1.05 $M_{\phi\phi}$0.72 $M_{r\theta}$3.60 $M_{\theta\phi}$-0.22 $M_{\phi r}$8.20 NP1:ϕ_s204.00000°,δ86.00000°,λ-90.00000°. NP2:ϕ_s21.00000°,δ4.00000°,λ-92.00000°. $M_0$9.03000$\times10^{15}$
JMA Event type fe. SE OFF OSUMI PEN .

(235) Kyushu
ISC IV 29 20 22 58.7–.46 30.76N–.03 131.46E–.04 22–3 5.0b,4.5s 865 0-115
BJI IV 29 20 22 51.6–.00 30.56N 131.76E 5 4.8b,4.6b **¶614808076**
MOS IV 29 20 22 56.6–.98 30.78N 131.34E 19 5.1b,4.7s
NEIC IV 29 20 22 59.1–1.2 30.77N–.04 131.40E–.07 21–5 5.0b,4.7s
NIED IV 29 20 23 00.3 30.77N 131.47E 40 4.8W,4.7s
BGR IV 29 20 23 00.6 30.37N 131.19E 33 5.0b,4.9s
IDC IV 29 20 23 00.2–1.9 30.87N 131.25E 35–14 4.6,4.5b
JMA IV 29 20 23 00.3–.14 30.8N–.40 131.5E–.80 40–1 4.7W,4.7
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.02 $M_{\theta\theta}$0.87 $M_{\phi\phi}$0.15 $M_{r\theta}$1.42 $M_{\theta\phi}$-0.55 $M_{\phi r}$0.28 NP1:ϕ_s269.00000°,δ73.00000°,λ-110.00000°. NP2:ϕ_s140.00000°,δ26.00000°,λ-42.00000°. $M_0$1.81000$\times10^{16}$
BGR Event type ke.
JMA Event type fe. SE OFF OSUMI PEN .

(246) Southwestern Ryukyu Islands
ISC IV 29 22 41 37.8–.75 24.41N–.05 124.12E–.04 17–5 4.0b 54 0-84
IDC IV 29 22 41 34.3–.73 24.40N 123.69E 0 3.8,3.8b **¶610650361**
JMA IV 29 22 41 38.0–.08 24.4N–.50 124.2E–.40 15–0 4.3,4.2
NEIC IV 29 22 41 41.5–1.5 24.33N–.09 124.05E–.08 36–9 4.2b,4.2
ISC Event type ke.
JMA Event type fe. NEAR ISHIGAKIJIMA ISLAND.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(250) Mindoro
ISC IV 30 06 19 01.0–.72 13.60N–.03 120.96E–.04 10 3.8b 23 0-50
IDC IV 30 06 18 59.6–1.1 13.65N 121.24E 0 3.7,3.7b **¶610650385**
MAN IV 30 06 18 59.2 13.77N 120.90E 28 5.0b,3.9L
ISC Event type fe.
IDC Error ellipse: s-maj=60.1km s-min=9.0km az=60.0.

MAN Event type fe. INTENSITY III - BATANGAS CITY; INTENSITY II - PUERTO GALERA ORIENTAL MINDORO.
(228) Near east coast of eastern Honshu
ISC IV 30 10 30 32.2–.50 35.63N–.04 140.25E–.04 59–4 4.3b,3.6s 188 0-148
BJI IV 30 10 30 27.1–.00 35.65N 140.75E 63 4.6b,4.6b **¶610589482**
MOS IV 30 10 30 30.5–1.1 35.61N 140.30E 58 4.6b,4.6b
NIED IV 30 10 30 32.7 35.66N 140.17E 65 4.1W,4.6b
JMA IV 30 10 30 32.7–.23 35.7N–.60 140.2E–.80 65–1 3.7,4.6b
NEIC IV 30 10 30 33.1–1.5 35.63N–.06 140.24E–.09 61–8 4.5b,4.6b
IDC IV 30 10 30 33.7–1.0 35.50N 140.11E 74–9 4.0,3.7b
ISC Event type ke.
MOS Error ellipse: s-maj=10.7km s-min=5.7km az=106.4.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.00 $M_{\theta\theta}$0.48 $M_{\phi\phi}$-0.48 $M_{r\theta}$-0.01 $M_{\theta\phi}$-0.38 $M_{\phi r}$1.81 NP1:ϕ_s356.00000°,δ87.00000°,λ76.00000°. NP2:ϕ_s253.00000° ,δ14.00000°,λ167.00000°. $M_0$1.87000×10^{15}
JMA Event type fe. CENTRAL CHIBA PREF .
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=8.0km az=104.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=13.2km s-min=6.7km az=70.0.
(224) Hokkaido region
ISC IV 30 14 42 35.4–.23 42.32N–.03 143.08E–.02 60–1 5.3b 1787 0-157
IDC IV 30 14 42 27.8–.36 42.37N 143.03E 0 5.4L,5.0 **¶610589490**
BJI IV 30 14 42 34.1–.00 42.21N 142.90E 62 5.3b,5.1b
SKHL IV 30 14 42 34.9–.20 42.20N 143.10E 74–5 6.0b,5.1s
MOS IV 30 14 42 34.2–.83 42.26N 143.08E 69 5.6b,4.8s
NEIC IV 30 14 42 35.4–1.2 42.31N–.06 143.0E–.10 58–4 5.3,5.3b
NEIC IV 30 14 42 35.5 42.29N 142.99E 60 5.3,5.3b
JMA IV 30 14 42 35.9–.16 42.3N–.50 143.1E–.60 53–1 5.4W,5.4
NEIC IV 30 14 42 35.5 42.09N 143.39E 60 5.4W,5.4
NIED IV 30 14 42 35.9 42.32N 143.07E 53 5.4W,5.4
GCMT IV 30 14 42 36.4–.10 42.23N–.01 143.21E–.01 58 5.4W,5.4
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se.
JMA Event type fe. HIDAKA MOUNTAINS REGION .
NEIC Event type se. Moment Tensor Solution.Duration: 2.2 Moment tensor: Scale 10^{17}Nm; M_{rr}0.99 $M_{\theta\theta}$-0.52 $M_{\phi\phi}$-0.47 $M_{r\theta}$0.20 $M_{\theta\phi}$-0.58 $M_{\phi r}$0.61 NP1:ϕ_s31.70000°,δ60.92000° ,λ74.81000°. NP2:ϕ_s240.88000°,δ32.50000°,λ115.23000°. Principal axes: T 1.2099,Plg70.0000°,Azm269.0000°; N 0.0146,Plg13.0000°,Azm39.0000° ; P -1.2245,Plg15.0000°,Azm133.0000° $M_0$1.22000×10^{17}
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{17}Nm; M_{rr}0.99 $M_{\theta\theta}$-0.34 $M_{\phi\phi}$-0.65 $M_{r\theta}$0.26 $M_{\theta\phi}$-0.54 $M_{\phi r}$0.65 NP1:ϕ_s28.00000°,δ62.00000°,λ81.00000°. NP2:ϕ_s227.00000° ,δ29.00000°,λ106.00000°. $M_0$1.24000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s125,c206; s148,c266;Duration: 1.2 Moment tensor: Scale 10^{17}Nm; M_{rr}1.40±.03 $M_{\theta\theta}$-0.61±.02; $M_{\phi\phi}$-0.79±.02; $M_{r\theta}$0.35±.02; $M_{\theta\phi}$-0.76±.02; $M_{\phi r}$0.72±.01; Best double couple: NP1:ϕ_s34.00000°,δ60.00000°,λ82.00000°. NP2:ϕ_s229.00000°,δ31.00000°,λ103.00000°. Principal axes: T 1.6220,Plg74.0000° ,Azm283.0000°; N 0.0400,Plg7.0000°,Azm38.0000°; P -1.6630,Plg14.0000°,Azm130.0000° $M_0$1.64200×10^{17}
(246) Southwestern Ryukyu Islands
ISC IV 30 18 37 14.8–.80 24.28N–.04 123.82E–.02 18–4 3.7b 46 0-84
IDC IV 30 18 37 12.0–.71 24.40N 123.79E 0 3.7,3.7b **¶610619290**
JMA IV 30 18 37 14.8–.10 24.3N–.30 123.8E–.20 17–0 4.1,4.1
NIED IV 30 18 37 14.8 24.25N 123.82E 17 3.8W,4.1
ISC Event type ke.
IDC Error ellipse: s-maj=23.1km s-min=17.1km az=66.0.
JMA Event type fe. NEAR ISHIGAKIJIMA ISLAND.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-2.84 $M_{\theta\theta}$1.42 $M_{\phi\phi}$1.43 $M_{r\theta}$-2.60 $M_{\theta\phi}$-3.76 $M_{\phi r}$-0.41 NP1:ϕ_s103.00000°,δ66.00000°,λ-133.00000°. NP2:ϕ_s349.00000° ,δ47.00000°,λ-33.00000°. $M_0$5.18000×10^{14}
(235) Kyushu
ISC IV 30 18 49 44.6–.69 30.74N–.03 131.41E–.04 33–2 4.2b,4.0s 154 0-100
IDC IV 30 18 49 39.5–.64 30.80N 131.38E 0 4.1b,4.0s **¶610589557**
MOS IV 30 18 49 42.8–.94 30.69N 131.35E 33 4.4b,4.0s
JMA IV 30 18 49 44.3–.21 30.8N–.50 131E–1.0 35–2 3.9,4.0s
NIED IV 30 18 49 44.3 30.76N 131.47E 35 4.5W,4.0s
NEIC IV 30 18 49 45.3–2.4 30.71N–.06 131.40E–.08 37–9 4.2b,4.0s
ISC Event type ke.
JMA Event type fe. SE OFF OSUMI PEN .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.57 $M_{\theta\theta}$-1.13 $M_{\phi\phi}$0.56 $M_{r\theta}$3.96 $M_{\theta\phi}$-1.65 $M_{\phi r}$4.93 NP1:ϕ_s37.00000°,δ85.00000°,λ79.00000°. NP2:ϕ_s284.00000° ,δ12.00000°,λ156.00000°. $M_0$6.54000×10^{15}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(224) Hokkaido region
ISC IV 30 21 24 30.5–.56 42.54N–.04 143.16E–.03 114–5 3.9b 106 0-86
SKHL IV 30 21 24 30.8–.10 42.60N 143.20E 118–2 5.7,5.0b **¶610589568**
MOS IV 30 21 24 30.3–.98 42.54N 143.15E 125 4.1b,5.0b
IDC IV 30 21 24 31.2–1.2 42.59N 143.06E 114–9 3.8,3.5b
NIED IV 30 21 24 32.1 42.61N 143.10E 103 3.8W,3.5b
JMA IV 30 21 24 32.1–.15 42.6N–.50 143.1E–.60 103–1 3.9,3.5b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-1.11 $M_{\theta\theta}$1.11 $M_{\phi\phi}$0.00 $M_{r\theta}$5.55 $M_{\theta\phi}$1.68 $M_{\phi r}$0.97 NP1:ϕ_s260.00000°,δ83.00000°,λ-77.00000°. NP2:ϕ_s17.00000° ,δ15.00000°,λ-153.00000°. $M_0$5.96000×10^{14}
JMA Event type fe. TOKACHI REGION .
(228) Near east coast of eastern Honshu
ISC V 01 02 51 28.3–.67 36.57N–.04 140.16E–.05 115–5 4.1b 101 0-117
IDC V 01 02 51 28.4–1.2 36.54N 140.20E 115–12 3.9s,3.7 **¶610669446**
NIED V 01 02 51 29.1 36.56N 140.09E 113 3.8W,3.7
NEIC V 01 02 51 29.4–1.9 36.57N–.06 140.16E–.09 116–7 4.2b,3.7
JMA V 01 02 51 29.1–.12 36.6N–.40 140.1E–.60 113–0 3.7,3.7
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-5.45 $M_{\theta\theta}$4.32 $M_{\phi\phi}$1.14 $M_{r\theta}$-0.57 $M_{\theta\phi}$2.53 $M_{\phi r}$-0.15 NP1:ϕ_s63.00000°,δ48.00000°,λ-88.00000°. NP2:ϕ_s239.00000° ,δ42.00000°,λ-92.00000°. $M_0$5.61000×10^{14}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. SOUTHERN TOCHIGI PREF .
(228) Near east coast of eastern Honshu
ISC V 01 18 18 48.0–1.3 38.90N–.05 142.0E–.10 52–10 3.5b 24 0-59
JMA V 01 18 18 49.0–.11 38.9N–.30 141.9E–.60 51–0 3.4 **¶610689332**
IDC V 01 18 18 49.2–2.4 38.98N 142.03E 62–24 3.6,3.3b
ISC Event type ke.
JMA Event type fe. KINKAZAN REGION .
IDC Error ellipse: s-maj=46.6km s-min=15.9km az=99.0.
(228) Near east coast of eastern Honshu
ISC V 01 22 47 34.2–1.7 37.49N–.04 141.72E–.07 12–9 3.5b 27 1-63
JMA V 01 22 47 35.8–.14 37.5N–.30 141.7E–.70 29–1 3.7 **¶610669448**
NIED V 01 22 47 35.8 37.52N 141.69E 29 3.6W
IDC V 01 22 47 36.1–1.5 38.00N 141.56E 0 3.5b,3.4
ISC Event type ke.
JMA Event type fe. E OFF FUKUSHIMA PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-1.19 $M_{\theta\theta}$0.37 $M_{\phi\phi}$0.82 $M_{r\theta}$-0.60 $M_{\theta\phi}$2.39 $M_{\phi r}$0.63 NP1:ϕ_s183.00000°,δ67.00000°,λ-153.00000°. NP2:ϕ_s82.00000° ,δ65.00000°,λ-26.00000°. $M_0$2.71000×10^{14}
IDC Error ellipse: s-maj=35.4km s-min=27.3km az=126.0.
(236) Shikoku
ISC V 02 06 58 06.7–1.5 32.36N–.06 132.28E–.05 12–10 3.4b 25 1-56
IDC V 02 06 58 07.1–1.2 31.94N 131.29E 0 3.4,3.4b **¶610669458**
JMA V 02 06 58 09.1–.07 32.4N–.30 132.2E–.30 26–1 3.6,3.4b
NIED V 02 06 58 09.1 32.42N 132.15E 26 3.7W,3.4b
ISC Event type ke.
IDC Error ellipse: s-maj=41.7km s-min=14.8km az=76.0.
JMA Event type fe. HYUGANADA REGION .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-1.25 $M_{\theta\theta}$-0.61 $M_{\phi\phi}$1.86 $M_{r\theta}$1.82 $M_{\theta\phi}$0.02 $M_{\phi r}$3.07 NP1:ϕ_s208.00000°,δ80.00000°,λ-75.00000°. NP2:ϕ_s331.00000° ,δ18.00000°,λ-146.00000°. $M_0$3.93000×10^{14}
(224) Hokkaido region
ISC V 02 10 29 21.0–.69 41.54N–.04 141.99E–.03 70–6 4.3b 162 1-147
MOS V 02 10 29 19.6–.93 41.52N 142.02E 79 4.4b **¶610591580**
IDC V 02 10 29 21.4–1.6 41.53N 141.84E 72–13 3.9,3.7b
NEIC V 02 10 29 21.7–1.6 41.55N–.07 142.0E–.10 75–7 4.3b,3.7b
JMA V 02 10 29 21.0–.14 41.6N–.40 141.9E–.60 66–1 3.8,3.7b
NIED V 02 10 29 21.0 41.59N 141.92E 66 3.8W,3.7b
ISC Event type ke.
MOS Error ellipse: s-maj=9.3km s-min=6.5km az=80.1.
IDC Error ellipse: s-maj=17.8km s-min=10.8km az=121.0.
NEIC Event type se. Error ellipse: s-maj=14.3km s-min=8.9km az=109.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. E OFF AOMORI PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}3.88 $M_{\theta\theta}$-0.31 $M_{\phi\phi}$-3.57 $M_{r\theta}$1.82 $M_{\theta\phi}$-1.05 $M_{\phi r}$4.57 NP1:ϕ_s21.00000°,δ71.00000°,λ93.00000°. NP2:ϕ_s192.00000° ,δ19.00000°,λ82.00000°. $M_0$6.26000×10^{14}
(236) Shikoku
ISC V 02 15 01 53.2–1.1 33.51N–.06 133.97E–.04 34–3 21 0-5
JMA V 02 15 01 53.4–.05 33.5N–.10 134.0E–.10 34–0 3.6 **¶610669459**
NIED V 02 15 01 53.4 33.51N 133.98E 34 3.7W
ISC Event type ke.
JMA Event type fe. SE KOCHI PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}0.88 $M_{\theta\theta}$-3.91 $M_{\phi\phi}$3.03 $M_{r\theta}$-0.42 $M_{\theta\phi}$0.41 $M_{\phi r}$-0.62 NP1:ϕ_s230.00000°,δ82.00000°,λ14.00000°. NP2:ϕ_s138.00000° ,δ76.00000°,λ172.00000°. $M_0$3.60000×10^{14}
(259) Mindanao
ISC V 03 00 42 39.2–1.7 8.36N–.05 126.74E–.08 26–11 3.6b 32 0-121
MAN V 03 00 42 40.3 8.23N 126.69E 23 4.9b,3.8L **¶610689421**
IDC V 03 00 42 47.5–2.5 8.24N 126.36E 105–24 3.7,3.4b
ISC Event type fe.
MAN Event type fe. INTENSITY I - BISLIG CITY.
IDC Error ellipse: s-maj=40.2km s-min=20.5km az=71.0.
(715) Tajikistan
ISC V 03 04 47 13.2–.41 39.42N–.02 71.48E–.02 17–2 6.0s,5.8b 2001 1-153
SOME V 03 04 47 09.2 39.45N 71.58E 5 6.4s,5.8b **¶610593224**
IDC V 03 04 47 10.2–.29 39.40N 71.57E 0 6.0s,5.5
NNC V 03 04 47 12.8–1.1 39.61N 71.38E 0 6.7b,6.6
NEIC V 03 04 47 13.3 39.51N 71.40E 10 6.7b,6.6
NEIC V 03 04 47 13.3 39.51N 71.40E 24 6.7b,6.6
NEIC V 03 04 47 13.3 39.51N 71.27E 24 6.7b,6.6
NEIC V 03 04 47 13.4–1.5 39.49N–.04 71.44E–.05 11–1 6.0,6.0
ISU V 03 04 47 14.6 39.58N 71.46E 30 6.0,6.0
BJI V 03 04 47 15.8–.00 39.42N 71.58E 40 6.3L,6.3s
GCMT V 03 04 47 15.4–.10 39.50N 71.42E 24–0 6.0W,6.3s
ISC Event type se.
IDC Error ellipse: s-maj=8.3km s-min=6.4km az=153.0.
NNC Event type se. Error ellipse: s-maj=10.5km s-min=6.1km az=174.0.
NEIC Event type se.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 4.7 Moment tensor: Scale 10^{18}Nm; M_{rr}0.44 $M_{\theta\theta}$0.41 $M_{\phi\phi}$-0.85 $M_{r\theta}$-0.38 $M_{\theta\phi}$-0.71 $M_{\phi r}$0.23 NP1:ϕ_s345.41000°,δ66.94000° ,λ28.66000°. NP2:ϕ_s243.33000°,δ63.81000°,λ154.13000°. Principal axes: T 1.0484,Plg36.0000°,Azm205.0000°; N 0.1231,Plg54.0000°,Azm21.0000° ; P -1.1715,Plg2.0000°,Azm114.0000° $M_0$1.11000×10^{18}
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=6.3km az=45.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.96 $M_{\theta\theta}$2.36 $M_{r\theta}$-2.74 $M_{\theta\phi}$-3.83 $M_{\phi r}$1.12 NP1:ϕ_s345.16000°,δ65.31000°,λ25.70000°. NP2:ϕ_s243.80000°,δ66.79000° ,λ152.97000°. Principal axes: T 6.1809,Plg35.0000°,Azm204.0000°; N -0.1137,Plg55.0000° ,Azm26.0000°; P -6.0672,Plg1.0000°,Azm295.0000° $M_0$6.12000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s151,c322; s171,c553; Duration: 2.4 Moment tensor: Scale 10^{18}Nm; M_{rr}0.38±.01 $M_{\theta\theta}$0.57±.01; $M_{\phi\phi}$-0.94±.01; $M_{r\theta}$-0.72±.02; $M_{\theta\phi}$-0.68±.01; $M_{\phi r}$0.15±.02; Best double couple: NP1:ϕ_s240.00000°,δ69.00000° ,λ149.00000°. NP2:ϕ_s342.00000°,δ61.00000°,λ24.00000°. Principal axes: T 1.3650,Plg36.0000°,Azm199.0000°; N -0.1490,Plg53.0000°,Azm30.0000° ; P -1.2170,Plg5.0000°,Azm293.0000° $M_0$1.29100×10^{18}
(337) Eastern Caucasus
ISC V 03 08 53 41.5–.44 42.05N–.02 46.81E–.02 49–4 5.1b,4.0s 1440 0-157
BJI V 03 08 53 36.0–.00 42.30N 47.00E 10 4.9b,4.9b **¶611833721**
NEIC V 03 08 53 37.2–2.9 42.18N–.06 46.96E–.08 10–1 5.2b,4.9b
GII V 03 08 53 38.1–.00 42.14N 46.97E 10 5.2b,4.9b
IDC V 03 08 53 41.7–1.3 42.13N 46.85E 51–12 4.9,4.7L
NORS V 03 08 53 41.8–.00 41.98N 46.74E 36–0 5.8,4.7L
NNC V 03 08 53 42.9–3.0 42.21N 47.51E 15 5.0b,4.7L
MOS V 03 08 53 42.4–.00 42.03N 46.78E 49–0 5.4,4.7L
TIF V 03 08 53 42.9 41.96N 46.77E 65–1 5.4,4.7L
NSSP V 03 08 53 42.9 41.77N 46.68E 15 4.9s,4.7L
DRS V 03 08 53 43.7–.00 41.96N 46.69E 16 4.9s,4.7L
AZER V 03 08 53 43.5–.26 41.94N 46.79E 42–1 4.9s,4.7L
GCMT V 03 08 53 45.2–.30 42.06N–.02 46.77E–.02 58–2 5.1W,4.7L
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GII Event type ke.
NORS Event type se.
NNC Event type se.
MOS Event type se.
DRS Event type se. The Tsurib earthquake. FELT I=V-VI MSK at Tsurib; I=V MSK at Sogratal, Ruguja, Kumukh, Gunib, Vachi and Gergebil; I=IV-V MSK at Akusha and Levashi; I=IV MSK at Zakataly (Azerbaijan) and Arakani; I=III-IV MSK at Tlarata, Khunzakh, Shamilkala,) Untsukul, Urkarah,Karanay, Buinaksk, Sergokala, Karabudakhkent, Kaspiisk; I=III MSK at Dubki, Akhty, Kasumkent, Makhachkala and Derbent; I=II-III MSK at Botlikh and Dylym.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s64,c76; s99,c134;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.23±.20 $M_{\theta\theta}$2.20±.18; $M_{\phi\phi}$0.02±.19; $M_{r\theta}$-0.61±.20; $M_{\theta\phi}$4.92±.15; $M_{\phi r}$-0.17±.16; Best double couple: NP1:ϕ_s96.00000°,δ87.00000°,λ-9.00000°. NP2:ϕ_s186.00000°,δ81.00000°,λ-177.00000°. Principal axes: T 6.1910,Plg4.0000° ,Azm141.0000°; N -2.2320,Plg81.0000°,Azm256.0000°; P -3.9650,Plg9.0000°,Azm51.0000° $M_0$5.07800×10^{16}
(227) Eastern Honshu
ISC V 03 21 20 18.4–.93 37.04N–.04 140.63E–.04 9–6 28 0-57
IDC V 03 21 20 16.5–1.9 37.00N 140.73E 0 3.5,3.5b **¶610669465**
NIED V 03 21 20 19.2 37.05N 140.59E 6 3.4W,3.5b
JMA V 03 21 20 19.2–.03 37.1N–.10 140.6E–.20 6–0 3.5,3.5b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-1.19 $M_{\theta\theta}$-0.10 $M_{\phi\phi}$1.29 $M_{r\theta}$-0.38 $M_{\theta\phi}$-0.27 $M_{\phi r}$0.61 NP1:ϕ_s158.00000°,δ60.00000°,λ-102.00000°. NP2:ϕ_s2.00000° ,δ32.00000°,λ-70.00000°. $M_0$1.46000×10^{14}
JMA Event type fe. MID FUKUSHIMA PREF .
(259) Mindanao
ISC V 04 01 56 39.9–1.4 9.54N–.04 126.12E–.05 14–9 3.8b 42 1-94
MAN V 04 01 56 43.1 9.44N 126.03E 10 4.7b,3.6L **¶610689516**
IDC V 04 01 56 49.8–2.2 9.44N 125.94E 103–24 3.9,3.5b
ISC Event type fe.
MAN Event type fe. INTENSITY I - SOCORRO SURIGAO DEL NORTE.
IDC Error ellipse: s-maj=38.4km s-min=15.5km az=78.0.
(235) Kyushu
ISC V 04 04 44 29.9–.39 30.85N–.03 131.34E–.04 41–2 4.8b,4.2s 374 0-157
IDC V 04 04 44 24.0–.49 30.81N 131.26E 0 4.4,4.4b **¶610593995**
MOS V 04 04 44 27.7–.95 30.82N 131.33E 35 5.0b,4.5s
NIED V 04 04 44 28.7 30.79N 131.50E 43 4.7W,4.5s
JMA V 04 04 44 28.7–.18 30.8N–.50 132E–1.0 43–2 4.8W,4.4
NEIC V 04 04 44 29.4–1.4 30.81N–.06 131.42E–.06 31–5 4.8b,4.4
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.64 $M_{\theta\theta}$0.57 $M_{\phi\phi}$0.06 $M_{r\theta}$0.45 $M_{\theta\phi}$0.48 $M_{\phi r}$0.91 NP1:ϕ_s213.00000°,δ74.00000°,λ-110.00000°. NP2:ϕ_s86.00000° ,δ26.00000°,λ-40.00000°. $M_0$1.28000×10^{16}
JMA Event type fe. SE OFF OSUMI PEN .

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(235) Kyushu
ISC V 04 05 22 25.0–1.1 32.71N–.03 130.67E–.05 8–7 4.3b 77 0-87
IDC V 04 05 22 23.5–.71 32.69N 130.56E 0 4.0,3.9b **¶610593997**
NEIC V 04 05 22 25.4–1.5 32.69N–.04 130.66E–.06 10–1 4.6b,3.9b
JMA V 04 05 22 25.4–.03 32.68N–.09 130.8E–.10 11–0 4.3,4.1
NIED V 04 05 22 25.4 32.68N 130.76E 11 3.9W,4.1
ISC Event type ke.
IDC Error ellipse: s-maj=16.5km s-min=8.1km az=126.0.
NEIC Event type se. Error ellipse: s-maj=9.7km s-min=4.4km az=116.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. SOUTHERN KUMAMOTO PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-5.41 $M_{\theta\theta}$4.51 $M_{\phi\phi}$0.89
$M_{r\theta}$-6.15 $M_{\theta\phi}$4.63 $M_{\phi r}$0.36 NP1:ϕ_s82.00000°,δ69.00000°,λ-63.00000°. NP2:ϕ_s208.00000°
,δ34.00000°,λ-139.00000°. $M_0$9.19000$\times10^{14}$
(221) Kuril Islands
ISC V 04 19 20 22.2–.76 43.59N–.05 147.03E–.05 44–6 4.0b,3.4s 151 0-143
IDC V 04 19 20 16.1–.66 43.65N 146.92E 0 4.0b,3.9 **¶610598511**
MOS V 04 19 20 21.0–1.2 43.55N 147.09E 51 4.2b,3.9
NEIC V 04 19 20 22.3–2.2 43.66N–.09 147.02E–.05 43–8 4.1b,3.9
SKHL V 04 19 20 23.1–.40 43.60N 146.90E 55–2 5.3b,3.9
JMA V 04 19 20 23.4–.24 43.6N–.80 147E–1.0 40–3 4.4,4.0
NIED V 04 19 20 23.4 43.58N 146.87E 40 4.1W,4.0
ISC Event type ke.
IDC Error ellipse: s-maj=18.1km s-min=14.7km az=129.0.
MOS Event type fe. Error ellipse: s-maj=8.6km s-min=6.6km az=92.8. Felt (III) at Malokuril'skoye.
Moment Tensor Solution.
NEIC Event type se. Error ellipse: s-maj=13.6km s-min=1.3km az=155.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. E OFF HOKKAIDO .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.60 $M_{\theta\theta}$-0.14 $M_{\phi\phi}$-0.46
$M_{r\theta}$-1.03 $M_{\theta\phi}$-0.24 $M_{\phi r}$-0.70 NP1:ϕ_s233.00000°,δ78.00000°,λ100.00000°. NP2:ϕ_s13.00000°
,δ15.00000°,λ52.00000°. $M_0$1.38000$\times10^{15}$
(250) Mindoro
ISC V 05 03 31 11.4–1.0 13.68N–.03 120.93E–.03 8–8 3.5b,3.3s 34 0-79
IDC V 05 03 31 10.1–1.1 13.58N 121.10E 0 3.6,3.6b **¶610689582**
MAN V 05 03 31 11.8 13.81N 120.84E 22 5.4b,4.6s
ISC Event type fe.
IDC Error ellipse: s-maj=40.0km s-min=9.7km az=72.0.
MAN Event type fe. INTENSITY IV - BATANGAS CITY TINGLOY AND MABINI BATANGAS.
(715) Tajikistan
ISC V 05 05 09 35.0–.26 39.44N–.02 71.52E–.02 9–1 6.0b,5.7s 2520 1-151
BGR V 05 05 09 27.9 37.82N 72.35E 33 6.2,5.9b **¶610598542**
IDC V 05 05 09 33.6–.30 39.38N 71.54E 0 5.7,5.7b
SOME V 05 05 09 33.9 39.52N 71.52E 15 6.1s,5.7b
KRNET V 05 05 09 33.7–.10 39.43N 71.50E 18 6.3b,5.7b
BJI V 05 05 09 34.5–.00 39.47N 71.57E 10 6.1s,6.0b
MOS V 05 05 09 34.3–.96 39.40N 71.48E 13 6.2b,5.8s
NEIC V 05 05 09 36.0–2.1 39.48N–.05 71.42E–.05 10–1 6.1b,5.8
NEIC V 05 05 09 35.7 39.47N 71.46E 8 6.1b,5.8
GCMT V 05 05 09 35.9–.10 39.51N–.01 71.41E–.01 18–0 5.8W,5.8
NNC V 05 05 09 36.8–2.4 39.58N 71.32E 2–11 6.2b,6.0
NEIC V 05 05 09 36.2 39.58N 71.42E 22 6.2b,6.0
NEIC V 05 05 09 36.2 39.48N 71.42E 22 6.2b,6.0
ISC Event type ke.
BGR Event type ke.
IDC Error ellipse: s-maj=8.0km s-min=6.9km az=178.0.
MOS Event type fe. Error ellipse: s-maj=3.3km s-min=2.8km az=84.5. Felt (VI) at Karamyk, Alga,
Kara-Teyit; (IV) at Batken; (III) at Osh; (II-III) at Shymkent; (II) at Dzhambul, Taraz. Moment
Tensor Solution.
NEIC Event type se. Error ellipse: s-maj=8.5km s-min=6.5km az=354.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}3.32 $M_{\theta\theta}$-0.33 $M_{\phi\phi}$-3.00 $M_{r\theta}$-0.47
$M_{\theta\phi}$-1.92 $M_{\phi r}$0.98 NP1:ϕ_s12.14000°,δ52.20000°,λ69.37000°. NP2:ϕ_s223.70000°,δ42.31000°
,λ114.43000°. Principal axes: T 3.6318,Plg73.0000°,Azm224.0000°; N 0.4224,Plg16.0000°
,Azm25.0000°; P -4.0542,Plg5.0000°,Azm117.0000° $M_0$3.86000$\times10^{17}$
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s.
Triangular moment-rate function. Moment Tensor Solution. s153,c315; s164,c531;
Duration: 2^{s}0 Moment tensor: Scale 10^{17}Nm; M_{rr}6.41±.06 $M_{\theta\theta}$-1.44±.05; $M_{\phi\phi}$-4.96±.05;
$M_{r\theta}$-1.63±.14; $M_{\theta\phi}$-3.93±.04; $M_{\phi r}$0.19±.12; Best double couple: NP1:ϕ_s227.00000°,δ50.00000°
,λ109.00000°. NP2:ϕ_s19.00000°,δ44.00000°,λ69.00000°. Principal axes:
T 6.8260,Plg75.0000°,Azm202.0000°; N 0.7290,Plg14.0000°,Azm34.0000°
; P -7.5450,Plg3.0000°,Azm303.0000° $M_0$7.18500$\times10^{17}$
NNC Event type se. Error ellipse: s-maj=16.4km s-min=8.8km az=4.0.
NEIC Event type se. Moment Tensor Solution.Duration: 4^{s}0 Moment tensor: Scale 10^{17}Nm;
M_{rr}5.99 $M_{\theta\theta}$-1.48 $M_{\phi\phi}$-4.51 $M_{r\theta}$1.40 $M_{\theta\phi}$-3.01 $M_{\phi r}$0.80 NP1:ϕ_s38.94000°,δ51.91000°
,λ99.23000°. NP2:ϕ_s204.19000°,δ39.02000°,λ78.43000°. Principal axes:
T 6.2505,Plg80.0000°,Azm351.0000°; N 0.2776,Plg7.0000°,Azm213.0000°
; P -6.5281,Plg6.0000°,Azm122.0000° $M_0$6.39000$\times10^{17}$
NEIC Event type se.
(224) Hokkaido region
ISC V 05 10 51 59.3–.72 41.52N–.03 142.14E–.03 65–7 4.2b 149 1-74
MOS V 05 10 51 57.8–.78 41.52N 142.16E 70 4.5b **¶610669471**
NIED V 05 10 51 58.9 41.55N 142.08E 65 3.9W
JMA V 05 10 51 58.9–.16 41.6N–.50 142.1E–.60 65–2 3.8
NEIC V 05 10 51 59.7–1.5 41.56N–.03 142.15E–.10 64–7 4.4b
IDC V 05 10 51 59.9–1.8 41.58N 142.08E 66–15 3.9,3.6b
ISC Event type ke.
MOS Error ellipse: s-maj=11.3km s-min=6.5km az=69.9.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}6.69 $M_{\theta\theta}$-0.88 $M_{\phi\phi}$-5.80
$M_{r\theta}$2.97 $M_{\theta\phi}$-1.55 $M_{\phi r}$5.45 NP1:ϕ_s24.00000°,δ67.00000°,λ96.00000°. NP2:ϕ_s189.00000°
,δ24.00000°,λ76.00000°. $M_0$8.96000$\times10^{14}$
JMA Event type fe. E OFF AOMORI PREF .
NEIC Event type se. Error ellipse: s-maj=11.0km s-min=3.4km az=76.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=18.4km s-min=11.8km az=113.0.
(259) Mindanao
ISC V 05 14 42 00.8–1.3 5.51N–.03 124.85E–.04 14–8 4.3b,3.5s 92 1-98
MAN V 05 14 42 02.0 5.48N 124.94E 7 5.1b,4.1s **¶610689613**
DJA V 05 14 42 03.6–.30 5N–2.0 125E–3.0 10 5.3b,4.7
NEIC V 05 14 42 07.7–1.7 5.50N–.07 124.9E–.10 65–9 4.4b,4.7
IDC V 05 14 42 07.1–2.1 5.51N 125.00E 70–18 4.0,3.7b
ISC Event type fe.
MAN Event type fe. INTENSITY II - GENERAL SANTOS CITY.
NEIC Event type se. Error ellipse: s-maj=14.9km s-min=9.7km az=109.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=27.7km s-min=11.1km az=79.0.
(715) Tajikistan
ISC V 06 07 15 19.0–.67 39.44N–.03 71.42E–.02 13–4 4.8b,3.7s 848 1-138
BGR V 06 07 15 15.4 38.15N 71.78E 33 4.7b,3.6s **¶610613154**
IDC V 06 07 15 16.5–.46 39.38N 71.57E 0 4.8,4.8b
BJI V 06 07 15 16.2–.00 39.67N 71.10E 23 4.8b,4.8L
MOS V 06 07 15 17.5–.99 39.41N 71.44E 13 5.0b,4.8L
KRNET V 06 07 15 17.4–.10 39.47N 71.52E 14 5.1b,4.8L
SOME V 06 07 15 19.8 39.65N 71.62E 0 5.1b,4.8L
NEIC V 06 07 15 19.2–2.3 39.50N–.05 71.44E–.06 10–1 5.0b,4.8L
NNC V 06 07 15 22.4–.60 39.69N 71.58E 0 5.2b,4.9
ISC Event type ke.
BGR Event type ke.
IDC Error ellipse: s-maj=11.1km s-min=7.4km az=165.0.
MOS Event type fe. Error ellipse: s-maj=3.9km s-min=3.2km az=71.9. Felt (IV-V) at Alga,
Kara-Teyit; (III-IV) at Kulchu; (III) at Osh; (II-III) at Batken. Moment Tensor Solution.

NEIC Event type se. Error ellipse: s-maj=9.5km s-min=7.5km az=155.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=5.1km s-min=2.9km az=8.0.
(227) Eastern Honshu
ISC V 06 08 18 54.4–.66 39.74N–.03 141.92E–.05 59–5 4.1b,3.3s 73 0-88
MOS V 06 08 18 53.6–1.4 39.76N 141.86E 67 4.6b,3.3s **¶610669480**
JMA V 06 08 18 54.5–.08 39.8N–.20 141.8E–.40 60–0 4.1,3.9
NIED V 06 08 18 54.5 39.76N 141.84E 60 4.1W,3.9
IDC V 06 08 18 55.1–1.6 39.70N 141.87E 69–14 4.1,3.7b
ISC Event type ke.
MOS Error ellipse: s-maj=11.2km s-min=6.6km az=81.9.
JMA Event type fe. NORTHERN IWATE PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}1.05 $M_{\theta\theta}$-0.23 $M_{\phi\phi}$-0.82
$M_{r\theta}$0.43 $M_{\theta\phi}$-0.22 $M_{\phi r}$1.18 NP1:ϕ_s20.00000°,δ71.00000°,λ91.00000°. NP2:ϕ_s197.00000°
,δ19.00000°,λ88.00000°. $M_0$1.59000$\times10^{15}$
IDC Error ellipse: s-maj=18.0km s-min=10.9km az=102.0.
(211) Southeast of Honshu
ISC V 06 14 23 15.6–.31 33.20N–.03 140.77E–.04 51–2 5.0b,3.8s 919 1-154
BJI V 06 14 23 06.8–.00 32.94N 141.56E 50 4.6b,4.5b **¶610617751**
MOS V 06 14 23 13.7–1.2 33.22N 140.78E 48 5.2b,4.5b
NIED V 06 14 23 16.4 33.27N 140.79E 57 4.9W,4.5b
JMA V 06 14 23 16.4–.12 33.3N–.30 140.8E–1.0 57–3 4.9,4.8W
NEIC V 06 14 23 17.4–2.2 33.16N–.06 140.75E–.09 64–4 4.9b,4.8W
IDC V 06 14 23 17.2–.80 33.21N 140.58E 59–6 4.8,4.5b
GCMT V 06 14 23 19.4–.40 33.21N–.02 140.78E–.03 57–1 5.0W,4.5b
BGR V 06 14 23 20.8 34.73N 140.97E 33 5.2b,4.0s
ISC Event type ke.
MOS Error ellipse: s-maj=7.6km s-min=3.7km az=113.3.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}1.58 $M_{\theta\theta}$0.61 $M_{\phi\phi}$-2.19
$M_{r\theta}$-1.07 $M_{\theta\phi}$0.34 $M_{\phi r}$1.37 NP1:ϕ_s330.00000°,δ68.00000°,λ66.00000°. NP2:ϕ_s200.00000°
,δ32.00000°,λ135.00000°. $M_0$2.63000$\times10^{16}$
JMA Event type fe. E OFF HACHIJOJIMA ISLAND.
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=8.8km az=78.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=11.5km s-min=7.7km az=90.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function. Moment Tensor Solution. s33,c40; s73,c98;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}2.34±.19 $M_{\theta\theta}$1.42±.15; $M_{\phi\phi}$-3.76±.13; $M_{r\theta}$-0.98±.10;
$M_{\theta\phi}$0.98±.13; $M_{\phi r}$0.51±.10; Best double couple: NP1:ϕ_s322.00000°,δ59.00000°,λ52.00000°.
NP2:ϕ_s199.00000°,δ48.00000°,λ136.00000°. Principal axes: T 2.9620,Plg57.0000°
,Azm178.0000°; N 1.0510,Plg32.0000°,Azm345.0000°; P -4.0130,Plg6.0000°,Azm79.0000°
$M_0$3.48800$\times10^{16}$
BGR Event type ke.
(228) Near east coast of eastern Honshu
ISC V 06 20 00 20.3–1.5 36.49N–.04 141.14E–.07 30–10 3.8b,2.9s 43 0-147
NIED V 06 20 00 20.6 36.48N 141.10E 44 4.0W,2.9s **¶610669481**
JMA V 06 20 00 20.6–.13 36.5N–.30 141.1E–.80 44–1 4.0,3.9
IDC V 06 20 00 23.1–3.9 36.43N 140.98E 57–36 3.7,3.5b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}1.80 $M_{\theta\theta}$-0.83 $M_{\phi\phi}$-0.97
$M_{r\theta}$7.80 $M_{\theta\phi}$-5.65 $M_{\phi r}$0.23 NP1:ϕ_s85.00000°,δ83.00000°,λ125.00000°. NP2:ϕ_s184.00000°
,δ35.00000°,λ11.00000°. $M_0$9.76000$\times10^{14}$
JMA Event type fe. E OFF IBARAKI PREF .
IDC Error ellipse: s-maj=28.0km s-min=16.6km az=99.0.
(227) Eastern Honshu
JMA V 07 03 32 37.7–.06 36.2N–.10 138.0E–.20 9–0 3.8
NIED V 07 03 32 37.7 36.16N 138.03E 9 3.8W **¶616639104**
JMA Event type fe. CENTRAL NAGANO PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}0.40 $M_{\theta\theta}$2.46 $M_{\phi\phi}$-2.86
$M_{r\theta}$0.13 $M_{\theta\phi}$-3.26 $M_{\phi r}$-3.36 NP1:ϕ_s342.00000°,δ89.00000°,λ-37.00000°. NP2:ϕ_s73.00000°
,δ53.00000°,λ-179.00000°. $M_0$5.31000$\times10^{14}$
(228) Near east coast of eastern Honshu
JMA V 07 08 02 20.6–.13 36.4N–.30 141.0E–.80 44–1 3.6
NIED V 07 08 02 20.6 36.43N 141.02E 44 3.6W **¶610669485**
JMA Event type fe. E OFF IBARAKI PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}1.16 $M_{\theta\theta}$-0.96 $M_{\phi\phi}$-0.21
$M_{r\theta}$0.12 $M_{\theta\phi}$-1.53 $M_{\phi r}$2.03 NP1:ϕ_s17.00000°,δ75.00000°,λ56.00000°. NP2:ϕ_s266.00000°
,δ37.00000°,λ154.00000°. $M_0$2.76000$\times10^{14}$
(228) Near east coast of eastern Honshu
ISC V 07 10 21 00.4–1.9 38.83N–.05 142.46E–.08 31–13 3.9b 41 1-63
JMA V 07 10 21 01.5–.11 38.9N–.30 142.4E–.70 43–1 4.3,4.1 **¶610689715**
IDC V 07 10 21 02.1–2.3 38.80N 142.52E 49–22 4.0,3.7b
ISC Event type ke.
JMA Event type fe. E OFF MIYAGI PREF .
IDC Error ellipse: s-maj=28.3km s-min=15.8km az=99.0.
(238) Ryukyu Islands
ISC V 09 01 54 16.0–.40 24.44N–.02 126.31E–.02 18–1 5.8b,5.8s 1872 1-176
IDC V 09 01 54 12.7–.33 24.44N 126.30E 0 5.6s,5.5 **¶610618206**
MOS V 09 01 54 12.8–1.3 24.45N 126.32E 10 6.1b,5.9s
BJI V 09 01 54 13.8–.00 24.47N 126.39E 20 6.2s,6.0
NEIC V 09 01 54 14.6–1.7 24.45N–.06 126.32E–.05 10–1 6.0,6.0
NEIC V 09 01 54 14.7 24.44N 126.29E 10 6.0,6.0
NEIC V 09 01 54 14.7 24.44N 126.29E 16 6.0,6.0
NEIC V 09 01 54 14.7 24.14N 126.40E 16 6.0,6.0
JMA V 09 01 54 15.2–.10 24.4N–.80 126.3E–.60 79–1 6.4,6.1W
NIED V 09 01 54 15.2 24.38N 126.33E 79 6.0W,6.1W
GCMT V 09 01 54 17.5–.10 24.28N 126.28E 19–0 6.0W,6.1W
BGR V 09 01 54 23.4 24.56N 125.16E 33 6.4s,6.0
ISC Event type ke.
IDC Error ellipse: s-maj=10.4km s-min=8.3km az=79.0.
MOS Error ellipse: s-maj=5.5km s-min=3.2km az=113.6.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=7.8km az=338.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}0.35 $M_{\theta\theta}$0.39 $M_{\phi\phi}$-0.74 $M_{r\theta}$-0.06 $M_{\theta\phi}$1.17
$M_{\phi r}$0.07 NP1:ϕ_s193.00000°,δ87.39000°,λ-178.63000°. NP2:ϕ_s102.94000°,δ88.63000°
,λ-2.62000°. Principal axes: T 1.1188,Plg1.0000°,Azm148.0000°; N 0.3581,Plg87.0000°
,Azm255.0000°; P -1.4768,Plg3.0000°,Azm58.0000° $M_0$1.33000$\times10^{18}$
NEIC Event type se.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 4^{s}9 Moment tensor: Scale 10^{18}Nm;
M_{rr}0.24 $M_{\theta\theta}$0.43 $M_{\phi\phi}$-0.67 $M_{r\theta}$0.16 $M_{\theta\phi}$1.12 $M_{\phi r}$0.01 NP1:ϕ_s103.47000°,δ85.81000°,λ8.14000°.
NP2:ϕ_s12.87000°,δ81.88000°,λ175.77000°. Principal axes: T 1.1512,Plg9.0000°
,Azm328.0000°; N 0.2184,Plg81.0000°,Azm131.0000°; P -1.3695,Plg3.0000°,Azm238.0000°
$M_0$1.26000$\times10^{18}$
JMA Event type fe. NEAR MIYAKOJIMA ISLAND .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.06 $M_{\theta\theta}$0.26 $M_{\phi\phi}$-0.20
$M_{r\theta}$-0.32 $M_{\theta\phi}$1.19 $M_{\phi r}$-0.03 NP1:ϕ_s276.00000°,δ88.00000°,λ15.00000°. NP2:ϕ_s185.00000°
,δ75.00000°,λ178.00000°. $M_0$1.25000$\times10^{18}$
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s.
Triangular moment-rate function. Moment Tensor Solution. s154,c353; s168,c608;
Duration: 2^{s}6 Moment tensor: Scale 10^{18}Nm; M_{rr}0.03±.01 $M_{\theta\theta}$0.63±.01; $M_{\phi\phi}$-0.66±.01;
$M_{r\theta}$0.22±.02; $M_{\theta\phi}$1.35±.01; $M_{\phi r}$0.10±.02; Best double couple: NP1:ϕ_s103.00000°,δ84.00000°
,λ7.00000°. NP2:ϕ_s12.00000°,δ83.00000°,λ174.00000°. Principal axes: T 1.5230,Plg9.0000°
,Azm328.0000°; N -0.0100,Plg81.0000°,Azm141.0000°; P -1.5120,Plg1.0000°
,Azm238.0000° $M_0$1.51800$\times10^{18}$
BGR Event type ke.
(238) Ryukyu Islands
ISC V 09 02 06 21.7–1.3 24.35N–.06 126.31E–.04 19–4 4.6b 114 1-93
IDC V 09 02 06 18.5–.63 24.33N 126.27E 0 4.2,4.2b **¶610689864**
NEIC V 09 02 06 20.9–1.5 24.36N–.07 126.33E–.09 10–1 4.7b,4.2b
JMA V 09 02 06 22.0–.26 24N–1.0 126E–1.0 78 5.0,4.6
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. NEAR MIYAKOJIMA ISLAND .
(245) Northeast of Taiwan
ISC V 09 19 15 50.0–.22 25.72N–.02 125.13E–.02 124–1 5.3b 1330 1-169
BGR V 09 19 15 31.2 23.85N 126.26E 33 5.5b,4.1s **¶611833844**

BJI V 09 19 15 42.8–.00 25.33N 125.59E 110 5.2b,5.0b
MOS V 09 19 15 48.6–.95 25.78N 125.09E 123 5.2b,5.0b
NEIC V 09 19 15 49.8 25.72N 125.13E 120 5.2b,5.0b
NEIC V 09 19 15 49.8 25.52N 125.13E 120 5.2b,5.0b
NEIC V 09 19 15 49.9–2.0 25.74N–.06 125.13E–.05 117–3 5.4b,5.1
JMA V 09 19 15 50.5–.19 26N–1.0 125.0E–.90 105 5.2,5.0
NIED V 09 19 15 50.5 25.85N 124.97E 105 5.1W,5.0
GCMT V 09 19 15 50.8–.30 25.66N–.02 125.13E–.03 149–5 5.2W,5.0
IDC V 09 19 15 50.1–.83 25.84N 125.13E 118–7 5.2,4.9b
ISC Event type ke.
BGR Event type ke.
MOS Error ellipse: s-maj=5.9km s-min=3.6km az=114.8.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 1s9 Moment tensor: Scale 10^{16}Nm; M_{rr}1.38 $M_{\theta\theta}$-3.21 $M_{\phi\phi}$1.83 $M_{r\theta}$-4.96 $M_{\theta\phi}$-1.93 $M_{\phi r}$-0.43 NP1:ϕ_s271.71000°,δ78.75000°,λ109.56000°. NP2:ϕ_s30.48000°,δ22.45000°,λ30.71000°. Principal axes: T 4.7279,Plg52.0000°,Azm204.0000°; N 2.0519,Plg19.0000°,Azm88.0000°; P -6.7798,Plg31.0000°,Azm346.0000° $M_0$5.75000×10^{16}
NEIC Event type se. Error ellipse: s-maj=9.0km s-min=5.8km az=167.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. NW OFF MIYAKOJIMA ISLAND.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}0.29 $M_{\theta\theta}$-1.24 $M_{\phi\phi}$0.95 $M_{r\theta}$-5.23 $M_{\theta\phi}$0.16 $M_{\phi r}$-1.11 NP1:ϕ_s257.00000°,δ86.00000°,λ83.00000°. NP2:ϕ_s139.00000°,δ7.00000°,λ151.00000°. $M_0$5.43000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s15,c17; s97,c140;Duration: 1s0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.15±.47 $M_{\theta\theta}$-1.60±.47; $M_{\phi\phi}$0.45±.44; $M_{r\theta}$-7.74±.34; $M_{\theta\phi}$0.47±.49; $M_{\phi r}$-2.30±.30; Best double couple: NP1:ϕ_s254.00000°,δ86.00000°,λ83.00000°. NP2:ϕ_s132.00000°,δ8.00000°,λ148.00000°. Principal axes: T 8.1930,Plg49.0000°,Azm157.0000°; N 0.0420,Plg7.0000°,Azm254.0000°; P -8.2340,Plg41.0000°,Azm350.0000° $M_0$8.21400×10^{16}
IDC Error ellipse: s-maj=7.7km s-min=5.8km az=57.0.

(238) Ryukyu Islands
ISC V 10 10 42 36.3–.89 24.25N–.05 126.30E–.05 24–5 4.2b,3.7s 135 1-83
IDC V 10 10 42 33.6–.73 24.33N 126.26E 0 4.0,3.9b ¶610619355
NEIC V 10 10 42 33.6–1.6 24.27N–.06 126.34E–.06 10–1 4.5b,3.9b
NIED V 10 10 42 37.0 24.44N 126.25E 81 4.2W,3.9b
JMA V 10 10 42 37.0–.18 24N–1.0 126E–1.0 81–2 4.5,4.3
BJI V 10 10 42 37.0–.00 24.62N 125.94E 10 4.5b,4.3b
ISC Event type ke.
IDC Error ellipse: s-maj=18.8km s-min=14.9km az=105.0.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=9.4km az=1.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.03 $M_{\theta\theta}$0.44 $M_{\phi\phi}$-0.46 $M_{r\theta}$-0.59 $M_{\theta\phi}$2.17 $M_{\phi r}$-0.81 NP1:ϕ_s184.00000°,δ80.00000°,λ160.00000°. NP2:ϕ_s278.00000°,δ70.00000°,λ10.00000°. $M_0$2.42000×10^{15}
JMA Event type fe. NEAR MIYAKOJIMA ISLAND .

(232) Western Honshu
ISC V 10 14 11 40.1–.85 35.39N–.04 136.85E–.05 42–6 3.5b 22 0-94
NIED V 10 14 11 40.3 35.39N 136.86E 42 3.7W ¶610667656
JMA V 10 14 11 40.3–.04 35.4N–.10 136.9E–.10 42–0 3.9
IDC V 10 14 11 41.2–1.8 35.47N 136.75E 56–21 3.4,3.2b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}3.33 $M_{\theta\theta}$-1.76 $M_{\phi\phi}$-1.57 $M_{r\theta}$0.66 $M_{\theta\phi}$-1.26 $M_{\phi r}$-3.02 NP1:ϕ_s194.00000°,δ66.00000°,λ68.00000°. NP2:ϕ_s60.00000°,δ32.00000°,λ131.00000°. $M_0$4.22000×10^{14}
JMA Event type fe. SW GIFU PREF .
IDC Error ellipse: s-maj=37.1km s-min=13.4km az=144.0.

(228) Near east coast of eastern Honshu
ISC V 10 17 56 33.8–2.3 40.61N–.06 142.3E–.10 27–13 19 1-61
JMA V 10 17 56 35.4–.16 40.6N–.40 142.2E–.90 35–1 3.7 ¶610689980
IDC V 10 17 56 50.4–26 40.07N 141.01E 144–153 3.2,2.9b
ISC Event type ke.
JMA Event type fe. E OFF AOMORI PREF .
IDC Error ellipse: s-maj=364.0km s-min=34.2km az=61.0.

(236) Shikoku
ISC V 10 23 09 04.6–1.9 33.19N–.04 132.23E–.03 30–17 22 0-24
JMA V 10 23 09 05.3–.04 33.2N–.10 132.2E–.10 41–0 3.4 ¶610689999
IDC V 10 23 09 06.4–1.9 33.25N 132.16E 70–22 3.4,3.0b
ISC Event type ke.
JMA Event type fe. BUNGO CHANNEL .
IDC Error ellipse: s-maj=27.1km s-min=14.3km az=166.0.

(223) Eastern Sea of Japan
ISC V 11 06 44 03.2–.96 41.78N–.06 139.00E–.06 35 16 0-62
IDC V 11 06 43 58.8–1.5 41.72N 139.08E 0 3.5,3.4L ¶610667662
NIED V 11 06 44 01.7 41.74N 138.97E 32 3.6W,3.4L
JMA V 11 06 44 01.7–.22 41.7N–.30 139E–1.0 32–1 4.1,3.7
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}2.28 $M_{\theta\theta}$0.11 $M_{\phi\phi}$-2.39 $M_{r\theta}$-1.35 $M_{\theta\phi}$-0.42 $M_{\phi r}$0.02 NP1:ϕ_s213.00000°,δ53.00000°,λ123.00000°. NP2:ϕ_s346.00000°,δ48.00000°,λ54.00000°. $M_0$2.71000×10^{14}
JMA Event type fe. SW OFF HOKKAIDO .

(221) Kuril Islands
ISC V 11 08 31 20.7–.34 49.97N–.05 155.72E–.04 98–2 4.8b 746 1-149
MOS V 11 08 31 16.4–.96 49.69N 155.54E 85 4.7b ¶610623496
BJI V 11 08 31 18.1–.00 50.13N 155.91E 103 4.8b,4.8b
KRSC V 11 08 31 18.1–2.6 49.67N 156.48E 69–22 5.6L,4.6
IDC V 11 08 31 20.4–.36 50.13N 155.47E 90–3 4.7,4.3b
GCMT V 11 08 31 21.0–.40 50.16N–.03 155.90E–.04 101–5 4.8W,4.3b
NEIC V 11 08 31 23.0–1.7 50.12N–.09 155.5E–.10 108–7 4.9b,4.3b
ISC Event type se.
MOS Event type fe. Felt (III) at Severo-Kuril'sk. Moment Tensor Solution.
KRSC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s11,c12; s84,c106;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.03±.11 $M_{\theta\theta}$1.76±.15; $M_{\phi\phi}$-0.72±.14; $M_{r\theta}$-0.15±.08; $M_{\theta\phi}$-0.90±.10; $M_{\phi r}$-1.14±.05; Best double couple: NP1:ϕ_s323.00000°,δ63.00000°,λ-39.00000°. NP2:ϕ_s73.00000°,δ56.00000°,λ-147.00000°. Principal axes: T 2.0640,Plg4.0000°,Azm19.0000°; N 0.0990,Plg44.0000°,Azm114.0000°; P -2.1590,Plg45.0000°,Azm285.0000° $M_0$2.11200×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(235) Kyushu
ISC V 11 11 21 26.4–.37 32.71N–.03 130.60E–.05 11 4.5b,3.6s 142 0-122
IDC V 11 11 21 23.3–.62 32.65N 130.55E 0 4.2,4.2b ¶610630592
MOS V 11 11 21 24.8–1.6 32.64N 130.58E 13 4.7b,4.2b
NIED V 11 11 21 25.2 32.73N 130.60E 13 4.4W,4.2b
BJI V 11 11 21 25.9–.00 32.70N 130.60E 10 4.6b,4.4b
JMA V 11 11 21 25.2–.05 32.7N–.10 130.6E–.20 13–0 4.4W,4.4
NEIC V 11 11 21 26.4–2.9 32.73N–.04 130.61E–.07 10–1 4.8b,4.4
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-2.74 $M_{\theta\theta}$3.70 $M_{\phi\phi}$-0.96 $M_{r\theta}$1.09 $M_{\theta\phi}$0.16 $M_{\phi r}$1.60 NP1:ϕ_s242.00000°,δ61.00000°,λ-122.00000°. NP2:ϕ_s115.00000°,δ42.00000°,λ-46.00000°. $M_0$3.85000×10^{15}
JMA Event type fe. NW KUMAMOTO PREF .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(259) Mindanao
MAN V 11 11 51 25.0 7.66N 124.63E 19 4.6b,3.5L ¶616504695
MAN Event type fe. INTENSITY II - KALILANGAN BUKIDNON.

(246) Southwestern Ryukyu Islands
ISC V 11 20 54 27.0–.65 24.75N–.06 125.39E–.05 45–5 4.4b,3.5s 224 0-93
IDC V 11 20 54 21.4–.62 24.83N 125.29E 0 4.2,4.2b ¶616639924
NEIC V 11 20 54 26.4–2.1 24.71N–.09 125.478E–.01 38–8 4.5b,4.2b
JMA V 11 20 54 27.2–.18 24.8N–.80 125.4E–.70 49–1 4.4,4.3
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

JMA Event type fe. NEAR MIYAKOJIMA ISLAND .

(228) Near east coast of eastern Honshu
ISC V 12 12 22 55.0–1.9 37.14N–.05 141.22E–.08 14–10 24 0-5
JMA V 12 12 22 55.3–.10 37.1N–.20 141.2E–.50 22–0 3.6 ¶612489696
ISC Event type ke.
JMA Event type fe. E OFF FUKUSHIMA PREF .

(341) Iran-Turkmenistan border region
ISC V 13 18 01 02.0–.34 37.77N–.02 57.19E–.02 14–1 5.5s,5.5b 1551 1-153
BGR V 13 18 00 11.3 36.29N 64.74E 10 4.9b,5.5b ¶610638450
NEIC V 13 18 00 59.5–2.3 37.77N–.06 57.21E–.05 8–1 5.6,5.6
BJI V 13 18 00 59.6–.00 37.70N 57.30E 5 5.9s,5.6
TEH V 13 18 00 59.3 37.65N 57.22E 8–24 5.7L,5.6
DSN V 13 18 00 60.0–1.2 37.77N 57.21E 10 5.4b,5.6
NEIC V 13 18 01 00.9 37.78N 57.20E 12 5.4b,5.6
THR V 13 18 01 00.0–.81 37.74N 57.20E 18–8 5.5L,5.6
NEIC V 13 18 01 00.9 38.08N 57.32E 12 5.5L,5.6
NEIC V 13 18 01 00.7 37.66N 57.17E 1 5.5L,5.6
MOS V 13 18 01 00.6–2.0 37.79N 57.27E 23 5.6b,5.2s
GCMT V 13 18 01 01.5–.10 37.61N–.01 57.22E–.01 12 5.7W,5.2s
IDC V 13 18 01 02.1–1.1 37.81N 57.12E 10–6 5.3s,5.0
NNC V 13 18 01 04.9–3.1 38.17N 57.49E 0 5.8b,5.0
ISC Event type ke.
BGR Event type ke.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=6.4km az=168.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.34 $M_{\theta\theta}$0.35 $M_{\phi\phi}$-0.69 $M_{r\theta}$0.35 $M_{\theta\phi}$2.73 $M_{\phi r}$0.84 NP1:ϕ_s96.46000°,δ72.10000°,λ7.57000°. NP2:ϕ_s4.12000°,δ82.80000°,λ161.95000°. Principal axes: T 2.8693,Plg18.0000°,Azm319.0000°; N 0.1317,Plg71.0000°,Azm163.0000°; P -3.0010,Plg7.0000°,Azm51.0000° $M_0$2.94000×10^{17}
TEH Error ellipse: s-maj=2.0km s-min=0.8km az=-1.0.
DSN Error ellipse: s-maj=18.4km s-min=9.8km az=51.0.
NEIC Event type se.
THR Error ellipse: s-maj=6.4km s-min=7.4km az=-1.0.
NEIC Event type se. Moment Tensor Solution.Duration: 3s9 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.69 $M_{\theta\theta}$0.30 $M_{\phi\phi}$0.38 $M_{r\theta}$0.25 $M_{\theta\phi}$2.73 $M_{\phi r}$-0.61 NP1:ϕ_s1.09000°,δ80.40000°,λ-164.42000°. NP2:ϕ_s268.42000°,δ74.65000°,λ-9.96000°. Principal axes: T 3.0890,Plg4.0000°,Azm134.0000°; N -0.5123,Plg72.0000°,Azm32.0000°; P -2.5768,Plg18.0000°,Azm225.0000° $M_0$2.83000×10^{17}
NEIC Event type se.
MOS Event type fe. Error ellipse: s-maj=3.7km s-min=2.7km az=33.0. Felt (IV) at Ashkhabad. Moment Tensor Solution.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s140,c252; s155,c331;Duration: 1s7 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.23±.03 $M_{\theta\theta}$0.32±.04; $M_{\phi\phi}$-0.09±.04; $M_{r\theta}$0.24±.10; $M_{\theta\phi}$3.94±.03; $M_{\phi r}$1.82±.09; Best double couple: NP1:ϕ_s2.00000°,δ90.00000°,λ155.00000°. NP2:ϕ_s92.00000°,δ65.00000°,λ0.00000°. Principal axes: T 4.5050,Plg17.0000°,Azm314.0000°; N -0.3150,Plg65.0000°,Azm182.0000°; P -4.1900,Plg17.0000°,Azm50.0000° $M_0$4.34800×10^{17}
IDC Error ellipse: s-maj=9.0km s-min=5.2km az=174.0.
NNC Event type se. Error ellipse: s-maj=37.2km s-min=21.7km az=52.0.

(238) Ryukyu Islands
ISC V 15 07 05 37.5–.38 27.26N–.02 130.11E–.02 23–2 5.6b,5.0s 1686 1-173
BJI V 15 07 05 33.2–.00 27.25N 130.18E 16 5.5s,5.4 ¶611833895
IDC V 15 07 05 34.5–.27 27.30N 130.08E 0 5.2,5.2b
MOS V 15 07 05 35.6–1.1 27.32N 130.04E 19 5.8b,5.3s
NEIC V 15 07 05 36.1 27.21N 130.14E 18 5.8b,5.3s
NEIC V 15 07 05 36.1–1.9 27.23N–.05 130.04E–.07 10–1 5.6b,5.5
NEIC V 15 07 05 36.1 27.21N 130.14E 10 5.6b,5.5
NEIC V 15 07 05 36.1 27.11N 130.14E 18 5.6b,5.5
JMA V 15 07 05 37.1–.12 27.3N–.50 130.1E–.50 64–4 5.5W,5.4
NIED V 15 07 05 37.1 27.26N 130.08E 64 5.4W,5.4
GCMT V 15 07 05 39.1–.10 27.25N–.01 130.06E–.01 12 5.5W,5.4
BGR V 15 07 05 39.8 27.22N 130.01E 33 6.2,6.0b
ISC Event type ke.
IDC Error ellipse: s-maj=10.4km s-min=7.1km az=66.0.
MOS Error ellipse: s-maj=5.8km s-min=3.4km az=110.1.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=8.4km az=287.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.83 $M_{\theta\theta}$0.14 $M_{\phi\phi}$0.69 $M_{r\theta}$1.18 $M_{\theta\phi}$0.75 $M_{\phi r}$0.23 NP1:ϕ_s5.84000°,δ32.48000°,λ-145.90000°. NP2:ϕ_s246.11000°,δ72.48000°,λ-62.20000°. Principal axes: T 1.5739,Plg23.0000°,Azm315.0000°; N 0.0670,Plg26.0000°,Azm57.0000°; P -1.6408,Plg54.0000°,Azm190.0000° $M_0$1.61000×10^{17}
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2s7 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.52 $M_{\theta\theta}$0.44 $M_{\phi\phi}$1.07 $M_{r\theta}$0.24 $M_{\theta\phi}$1.36 $M_{\phi r}$-0.54 NP1:ϕ_s16.37000°,δ54.02000°,λ-120.77000°. NP2:ϕ_s241.75000°,δ45.95000°,λ-54.83000°. Principal axes: T 2.1712,Plg4.0000°,Azm128.0000°; N -0.3951,Plg24.0000°,Azm36.0000°; P -1.7761,Plg65.0000°,Azm227.0000° $M_0$1.97000×10^{17}
JMA Event type fe. NEAR AMAMI-OSHIMA ISLAND.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.06 $M_{\theta\theta}$0.41 $M_{\phi\phi}$0.65 $M_{r\theta}$1.17 $M_{\theta\phi}$0.78 $M_{\phi r}$-0.32 NP1:ϕ_s254.00000°,δ67.00000°,λ-57.00000°. NP2:ϕ_s15.00000°,δ40.00000°,λ-142.00000°. $M_0$1.68000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s108,c188; s136,c266;Duration: 1s4 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.43±.03 $M_{\theta\theta}$0.27±.03; $M_{\phi\phi}$1.16±.03; $M_{r\theta}$1.35±.08; $M_{\theta\phi}$1.39±.03; $M_{\phi r}$0.68±.08; Best double couple: NP1:ϕ_s238.00000°,δ67.00000°,λ-66.00000°. NP2:ϕ_s9.00000°,δ33.00000°,λ-134.00000°. Principal axes: T 2.6360,Plg19.0000°,Azm310.0000°; N -0.4600,Plg22.0000°,Azm48.0000°; P -2.1780,Plg60.0000°,Azm183.0000° $M_0$2.40700×10^{17}
BGR Event type ke.

(228) Near east coast of eastern Honshu
ISC V 15 12 10 08.0–1.9 38.12N–.06 142.0E–.10 44–15 3.3b 30 0-62
IDC V 15 12 10 00.1–2.2 38.26N 142.39E 0 3.4,3.4b ¶610690338
JMA V 15 12 10 09.6–.08 38.2N–.20 141.8E–.40 57–0 3.5,3.4b
ISC Event type ke.
JMA Event type fe. E OFF MIYAGI PREF .

(221) Kuril Islands
ISC V 16 01 59 11.5–.63 50.56N–.06 157.31E–.04 66–5 4.4b 233 1-89
KRSC V 16 01 59 09.0–1.5 50.55N 157.49E 50–22 4.7L ¶610641344
MOS V 16 01 59 09.1–1.0 50.46N 157.34E 57 4.6b
NEIC V 16 01 59 11.7–1.5 50.61N–.06 157.2E–.20 65–7 4.4b
IDC V 16 01 59 12.1–.74 50.64N 157.18E 66–6 4.2,3.9b
ISC Event type se.
KRSC Event type se.
MOS Event type fe. Error ellipse: s-maj=11.0km s-min=3.9km az=78.1. Felt (III) at Severo-Kuril'sk. Moment Tensor Solution.
NEIC Event type se. Error ellipse: s-maj=17.7km s-min=4.8km az=117.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=13.0km s-min=8.9km az=127.0.

(249) Luzon
ISC V 16 02 06 22.6–.96 12.32N–.03 123.75E–.04 15–6 3.7b 38 0-90
MAN V 16 02 06 22.0 12.32N 123.75E 8 5.1b,4.1L ¶616504862
IDC V 16 02 06 23.4–1.5 11.05N 121.82E 0 4.6L,3.8
ISC Event type fe.
MAN Event type fe. INTENSITY IV - MASBATE CITY; INTENSITY I - BULUSAN SORSOGON.
IDC Error ellipse: s-maj=166.9km s-min=22.4km az=67.0.

(716) Kyrgyzstan
ISC V 16 09 07 15.1–.51 42.06N–.02 71.94E–.01 13–3 4.5b,3.8s 410 0-165
IDC V 16 09 07 15.1–3.1 42.06N 71.92E 16–20 4.2L,4.1 ¶611833908
NNC V 16 09 07 15.4–1.1 42.10N 71.93E 0 5.9b,5.9
KRNET V 16 09 07 16.0–.10 42.09N 71.96E 15 5.7b,5.9
MOS V 16 09 07 15.9–1.8 42.21N 71.76E 19 4.6b,5.9
SOME V 16 09 07 15.4 42.12N 72.02E 5 4.1s,5.9
KNET V 16 09 07 17.6–.55 42.13N 72.13E 6–3 5.2L,5.9
BJI V 16 09 07 17.0–.00 42.20N 71.79E 41 5.0L,4.7b
NEIC V 16 09 07 18.0–1.9 42.18N–.06 71.82E–.07 35–1 4.5b,4.7b
ISC Event type se.

NNC Event type se.
MOS Event type fe. Felt (IV-V) at Arkit, Kel'; (III-IV) at Toktogul; (III) at Talas. Moment Tensor Solution.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(97) Near coast of Venezuela

ISC V 17 10 04 23.9–.53 10.95N–.04 62.34W–.04 92–5 4.4b 208 1-162
VAO V 17 10 04 18.9–.59 10.84N 62.12W 10 4.5b **¶610641790**
NEIC V 17 10 04 23.6–1.3 10.91N–.07 62.16W–.03 87–9 4.7b
IDC V 17 10 04 24.5–.62 11.12N 62.39W 93–5 4.2,3.8b
FUNV V 17 10 04 25.4 10.91N 62.25W 27 4.7W,3.8b
TRN V 17 10 04 25.4 10.97N 62.25W 69 4.6,3.8b
ISC Event type se.
VAO Error ellipse: s-maj=6.3km s-min=5.4km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=3.8km az=174.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=11.8km s-min=8.4km az=147.0.
TRN Event type fe. Felt in Trinidad MMI III, IV; Grenada III.

(259) Mindanao

MAN V 17 15 28 53.2 7.64N 124.61E 2 4.5b,3.4L
¶616504920
MAN Event type fe. INTENSITY I - KALILANGAN BUKIDNON.

(224) Hokkaido region

ISC V 20 03 57 51.5–.73 41.14N–.04 142.35E–.04 51–6 3.7b 48 1-72
NIED V 20 03 57 51.2 41.15N 142.37E 43 3.8W **¶610667704**
JMA V 20 03 57 51.2–.10 41.2N–.40 142.4E–.80 43–3 4.0,3.9
IDC V 20 03 57 52.6–.82 41.12N 142.31E 66–8 3.7,3.4b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-4.28 $M_{\theta\theta}$4.61 $M_{\phi\phi}$-0.32 $M_{r\theta}$-0.45 $M_{\theta\phi}$-1.92 $M_{r\phi}$1.59 NP1:ϕ_s127.00000°,δ54.00000°,λ-66.00000°. NP2:ϕ_s270.00000°,δ43.00000°,λ-119.00000°. $M_0$5.10000×10^{14}
JMA Event type fe. E OFF AOMORI PREF .
IDC Error ellipse: s-maj=19.8km s-min=10.6km az=99.0.

(229) Off east coast of Honshu

ISC V 20 14 40 47.0–.39 39.95N–.03 143.67E–.03 15–1 4.9b,4.4s 778 1-146
MOS V 20 14 40 44.8–.89 39.97N 143.66E 9 5.1b,4.8s **¶610645890**
IDC V 20 14 40 45.1–.44 39.95N 143.63E 0 4.6,4.6b
NEIC V 20 14 40 46.7–1.9 39.94N–.05 143.6E–.10 10–1 4.9b,4.8
NIED V 20 14 40 46.6 40.02N 143.55E 14 4.8W,4.8
JMA V 20 14 40 46.6–.30 40.0N–.50 144E–1.0 14–3 4.9,4.8W
BJI V 20 14 40 46.4–.00 39.93N 143.21E 10 5.0b,4.9b
NEIC V 20 14 40 48.1 39.94N 143.56E 14 5.0b,4.9b
NEIC V 20 14 40 48.1 39.94N 143.69E 14 5.0b,4.9b
BGR V 20 14 40 51.1 39.99N 143.61E 29–1 4.8b,4.9b
GCMT V 20 14 40 52.7–.40 39.94N–.03 143.73E–.04 20–1 4.9W,4.9b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}1.16 $M_{\theta\theta}$0.20 $M_{\phi\phi}$-1.36 $M_{r\theta}$0.37 $M_{\theta\phi}$-0.46 $M_{r\phi}$0.85 NP1:ϕ_s21.00000°,δ63.00000°,λ97.00000°. NP2:ϕ_s187.00000°,δ28.00000°,λ77.00000°. $M_0$1.62000×10^{16}
JMA Event type fe. FAR E OFF SANRIKU .
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 1s2 Moment tensor: Scale 10^{16}Nm; M_{rr}0.89 $M_{\theta\theta}$0.04 $M_{\phi\phi}$-0.93 $M_{r\theta}$-0.14 $M_{\theta\phi}$-0.28 $M_{r\phi}$1.41 NP1:ϕ_s357.87000°,δ73.75000°,λ79.12000°. NP2:ϕ_s212.36000°,δ19.48000°,λ122.94000°. Principal axes: T 1.6976,Plg60.0000°,Azm252.0000°; N 0.0162,Plg10.0000°,Azm1.0000°; P -1.7138,Plg28.0000°,Azm97.0000° $M_0$1.71000×10^{16}
BGR Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s15,c15; s77,c110;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.98±.19 $M_{\theta\theta}$-0.55±.11; $M_{\phi\phi}$-1.43±.12; $M_{r\theta}$1.09±.23; $M_{\theta\phi}$-0.51±.05; $M_{r\phi}$1.91±.22; Best double couple: NP1:ϕ_s28.00000°,δ70.00000°,λ92.00000°. NP2:ϕ_s202.00000°,δ20.00000°,λ84.00000°. Principal axes: T 3.0170,Plg65.0000°,Azm302.0000°; N -0.3290,Plg2.0000°,Azm208.0000°; P -2.6910,Plg25.0000°,Azm117.0000° $M_0$2.85400×10^{16}

(235) Kyushu

ISC V 21 00 12 59.8–1.7 31.98N–.05 132.02E–.05 16–10 3.6b 27 1-72
JMA V 21 00 13 01.7–.13 32.0N–.30 132.0E–.60 23–1 3.4 **¶610685052**
IDC V 21 00 13 09.5–1.7 32.60N 131.83E 69–15 3.4,3.2b
ISC Event type ke.
JMA Event type fe. HYUGANADA REGION .
IDC Error ellipse: s-maj=24.8km s-min=20.9km az=83.0.

(250) Mindoro

ISC V 21 21 53 07.6–1.1 13.64N–.04 120.89E–.04 17–7 3.6b 26 0-80
IDC V 21 21 53 04.8–.95 13.53N 120.89E 0 3.7,3.7b **¶610685105**
MAN V 21 21 53 07.6 13.69N 120.88E 7 4.8b,3.6L
ISC Event type fe.
IDC Error ellipse: s-maj=29.9km s-min=9.1km az=95.0.
MAN Event type fe. INTENSITY I - PULANG BATO (VOLCANO ISLAND) SAN NICOLAS.

(228) Near east coast of eastern Honshu

ISC V 21 22 49 10.5–.69 35.59N–.04 140.18E–.05 68–6 3.8b 59 0-118
NIED V 21 22 49 09.5 35.66N 140.19E 69 4.0W **¶614828263**
JMA V 21 22 49 09.5–.23 35.7N–.60 140.2E–.90 69–1 3.6
IDC V 21 22 49 11.2–1.8 35.58N 140.10E 72–15 3.9,3.6b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}5.91 $M_{\theta\theta}$-0.34 $M_{\phi\phi}$-5.57 $M_{r\theta}$4.50 $M_{\theta\phi}$-3.86 $M_{r\phi}$5.51 NP1:ϕ_s37.00000°,δ69.00000°,λ99.00000°. NP2:ϕ_s195.00000°,δ23.00000°,λ69.00000°. $M_0$9.84000×10^{14}
JMA Event type fe. CENTRAL CHIBA PREF .
IDC Error ellipse: s-maj=19.1km s-min=12.4km az=70.0.

(230) Near south coast of eastern Honshu

ISC V 22 02 40 13.7–.90 34.51N–.03 139.44E–.05 13–6 23 0-54
IDC V 22 02 40 12.9–1.7 34.37N 139.34E 0 3.4,3.4b **¶610685115**
JMA V 22 02 40 13.6–.07 34.5N–.20 139.4E–.40 13–1 2.9,3.4b
ISC Event type ke.
JMA Event type fe. NEAR NIIJIMA ISLAND .

(230) Near south coast of eastern Honshu

ISC V 22 02 40 54.6–.97 34.55N–.02 139.44E–.05 12–6 3.7b,3.5s 29 0-87
IDC V 22 02 40 53.9–1.4 34.37N 139.25E 0 3.7,3.6b **¶614828393**
JMA V 22 02 40 54.8–.06 34.5N–.20 139.4E–.30 13–1 3.1,3.6b
ISC Event type ke.
JMA Event type fe. NEAR NIIJIMA ISLAND .

(230) Near south coast of eastern Honshu

ISC V 22 03 25 47.4–.63 34.51N–.02 139.45E–.03 11–3 4.4b,3.6s 130 0-149
IDC V 22 03 25 45.5–.54 34.48N 139.52E 0 4.1b,4.0 **¶610646112**
NEIC V 22 03 25 46.8 34.45N 139.43E 8 4.1b,4.0
NEIC V 22 03 25 47.1–1.9 34.45N–.04 139.45E–.05 10–1 4.5b,4.3
NIED V 22 03 25 47.4 34.54N 139.43E 14 4.2W,4.3
JMA V 22 03 25 47.4–.04 34.5N–.10 139.4E–.20 14–0 4.5,4.3W
ISC Event type ke.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-0.64 $M_{\theta\theta}$-1.03 $M_{\phi\phi}$1.67 $M_{r\theta}$1.37 $M_{\theta\phi}$-2.69 $M_{r\phi}$0.44 NP1:ϕ_s286.44000°,δ75.24000°,λ-156.38000°. NP2:ϕ_s190.08000°,δ67.20000°,λ-16.04000°. Principal axes: T 3.3660,Plg5.0000°,Azm57.0000°; N 0.0405,Plg62.0000°,Azm317.0000°; P -3.4065,Plg27.0000°,Azm150.0000° $M_0$3.39000×10^{15}
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.43 $M_{\theta\theta}$-2.10 $M_{\phi\phi}$1.67 $M_{r\theta}$0.93 $M_{\theta\phi}$-1.40 $M_{r\phi}$-0.60 NP1:ϕ_s115.00000°,δ83.00000°,λ154.00000°. NP2:ϕ_s208.00000°,δ64.00000°,λ8.00000°. $M_0$2.62000×10^{15}
JMA Event type fe. NEAR NIIJIMA ISLAND .

(256) Leyte

ISC V 22 05 54 55.2–1.7 12.02N–.04 124.05E–.07 5–11 4.3b 40 1-90
IDC V 22 05 54 56.7–2.1 11.75N 123.99E 0 3.8,3.8b **¶610685131**
MAN V 22 05 54 57.1 11.96N 124.02E 5 4.7b,3.6L
NEIC V 22 05 55 02.0–.86 12.0N–.10 123.8E–.10 60–5 4.5b,3.6L
ISC Event type fe.
MAN Event type fe. INTENSITY III - PALANAS MASBATE.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(719) Tajikistan-Xinjiang border region

ISC V 22 09 23 08.8–.46 39.41N–.03 73.64E–.02 11–2 4.8b,4.0s 833 1-153
KRNET V 22 09 23 05.0–.10 39.37N 73.76E 5.1b,4.0s **¶611833956**
BJI V 22 09 23 07.0–.00 39.30N 73.50E 17 4.9L,4.8b
MOS V 22 09 23 07.5–1.1 39.42N 73.58E 11 5.0b,4.1s
NEIC V 22 09 23 08.8–2.7 39.44N–.03 73.59E–.07 10–1 4.9b,4.1s
GCMT V 22 09 23 08.8–.40 39.43N–.03 73.54E–.04 15–2 4.7W,4.1s
IDC V 22 09 23 11.7–2.4 39.46N 73.61E 31–17 4.7,4.5b
NNC V 22 09 23 11.2–1.2 39.52N 73.70E 0 5.2b,4.9
SOME V 22 09 23 12.3 39.73N 73.57E 0 4.5s,4.9
BGR V 22 09 23 14.3 39.54N 73.58E 33 4.4b,4.9
ISC Event type ke.
MOS Event type fe. Error ellipse: s-maj=3.9km s-min=2.8km az=95.8. Felt (V) at Ikizyak, Irkeshtam, Nura; (IV) at Bordobo; (III-IV) at Archa-Bulak, Kara-Kindik, Sary-Tash; (III) at Sopu-Korgon, Taldy-Suu. Moment Tensor Solution.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=4.1km az=286.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s8,c8; s69,c94;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.75±.15 $M_{\theta\theta}$-1.05±.10; $M_{\phi\phi}$0.29±.09; $M_{r\theta}$0.01±.18; $M_{\theta\phi}$-1.26±.07; $M_{\phi r}$-0.11±.21; Best double couple: NP1:ϕ_s195.00000°,δ79.00000°,λ13.00000°. NP2: ϕ_s103.00000°,δ77.00000°,λ168.00000°. Principal axes: T 1.0850,Plg17.0000°,Azm59.0000°; N 0.7160,Plg73.0000°,Azm236.0000°; P -1.8060,Plg1.0000°,Azm329.0000° $M_0$1.44500×10^{16}
IDC Error ellipse: s-maj=10.7km s-min=8.5km az=171.0.
NNC Event type se. Error ellipse: s-maj=9.5km s-min=5.8km az=175.0.
BGR Event type ke.

(230) Near south coast of eastern Honshu

ISC V 22 09 42 58.6–1.1 34.75N–.04 139.31E–.05 7–12 15 0-3
JMA V 22 09 42 58.2–.16 34.8N–.20 139.3E–.20 0–1 2.7 **¶612489783**
ISC Event type ke.
JMA Event type fe. NEAR IZU-OSHIMA ISLAND .

(221) Kuril Islands

ISC V 22 11 00 57.2–.23 43.91N–.03 147.70E–.02 54–1 6.0b,4.9s 2665 1-153
BJI V 22 11 00 55.9–.00 43.93N 147.52E 43 5.5b,5.5b **¶611833954**
NEIC V 22 11 00 56.5 43.94N 147.71E 40 5.5b,5.5b
IDC V 22 11 00 57.3–1.1 43.88N 147.73E 56–9 5.7,5.4b
NEIC V 22 11 00 58.0–1.6 43.92N–.07 147.72E–.10 54–1 5.9b,5.5
SKHL V 22 11 00 57.4–.10 43.80N 147.90E 72–5 6.3b,5.1s
MOS V 22 11 00 57.3–.90 43.82N 147.75E 69 6.3b,5.0s
NEIC V 22 11 00 58 43.83N 147.86E 60 6.3b,5.0s
NIED V 22 11 00 58.8 43.65N 147.63E 35 5.6W,5.0s
BGR V 22 11 00 58.1 43.99N 147.72E 33 6.4,5.9b
NEIC V 22 11 00 58 43.93N 147.72E 60 6.4,5.9b
JMA V 22 11 00 58.8–.33 43.7N–1.0 148E–2.0 35 5.7,5.5W
GCMT V 22 11 00 59.0–.10 43.88N–.01 147.85E–.01 55–0 5.6W,5.5W
ISC Event type ke.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.48 $M_{\theta\theta}$0.08 $M_{\phi\phi}$-1.56 $M_{r\theta}$1.47 $M_{\theta\phi}$-0.38 $M_{r\phi}$0.69 NP1:ϕ_s170.95000°,δ32.88000°,λ42.26000°. NP2:ϕ_s43.60000°,δ68.59000°,λ115.57000°. Principal axes: T 2.4437,Plg58.0000°,Azm349.0000°; N -0.4413,Plg24.0000°,Azm214.0000°; P -2.0024,Plg20.0000°,Azm115.0000° $M_0$2.26000×10^{17}
MOS Event type fe. Felt (IV) at Malokuril'skoye; Gorniy, Goryachiye Klyuchi; (III-IV) at Kuril'sk, Reydovo; (III) at Goryachiy Plyazh, Lagunnoye, Mendeleyevo, Yuzhno- Kuril'sk. Moment Tensor Solution.
NEIC Event type se. Moment Tensor Solution.Duration: 2s7 Moment tensor: Scale 10^{17}Nm; M_{rr}0.33 $M_{\theta\theta}$1.22 $M_{\phi\phi}$-1.55 $M_{r\theta}$1.14 $M_{\theta\phi}$-0.30 $M_{\phi r}$0.52 NP1:ϕ_s48.29000°,δ80.72000°,λ139.67000°. NP2:ϕ_s146.09000°,δ50.31000°,λ12.10000°. Principal axes: T 1.9955,Plg34.0000°,Azm359.0000°; N -0.1848,Plg49.0000°,Azm218.0000°; P -1.8106,Plg20.0000°,Azm103.0000° $M_0$1.90000×10^{17}
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{17}Nm; M_{rr}0.53 $M_{\theta\theta}$1.34 $M_{\phi\phi}$-1.88 $M_{r\theta}$1.94 $M_{\theta\phi}$-0.53 $M_{r\phi}$0.67 NP1:ϕ_s52.00000°,δ81.00000°,λ132.00000°. NP2:ϕ_s152.00000°,δ43.00000°,λ13.00000°. $M_0$2.66000×10^{17}
BGR Event type ke.
NEIC Event type se.
JMA Event type fe. E OFF HOKKAIDO .
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s121,c204; s147,c291;Duration: 1s5 Moment tensor: Scale 10^{17}Nm; M_{rr}1.56±.04 $M_{\theta\theta}$1.09±.04; $M_{\phi\phi}$-2.65±.03; $M_{r\theta}$1.55±.03; $M_{\theta\phi}$-0.85±.03; $M_{\phi r}$0.79±.03; Best double couple: NP1:ϕ_s45.00000°,δ69.00000°,λ130.00000°. NP2:ϕ_s158.00000°,δ44.00000°,λ31.00000°. Principal axes: T 2.8930,Plg49.0000°,Azm359.0000°; N 0.2270,Plg37.0000°,Azm208.0000°; P -3.1210,Plg14.0000°,Azm107.0000° $M_0$3.00700×10^{17}

(228) Near east coast of eastern Honshu

ISC V 23 09 23 15.6–.71 35.84N–.04 140.20E–.05 70–6 4.2b 104 0-148
IDC V 23 09 23 15.9–1.5 35.79N 140.26E 69–13 4.0,3.6b **¶610653300**
NEIC V 23 09 23 16.2–1.5 35.89N–.03 140.19E–.07 73–7 4.5b,3.6b
NIED V 23 09 23 16.7 35.92N 140.11E 60 4.2W,3.6b
JMA V 23 09 23 16.7–.15 35.9N–.40 140.1E–.60 60–1 3.7,3.6b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}1.71 $M_{\theta\theta}$0.22 $M_{\phi\phi}$-1.94 $M_{r\theta}$-0.19 $M_{\theta\phi}$-0.43 $M_{r\phi}$1.38 NP1:ϕ_s359.00000°,δ64.00000°,λ78.00000°. NP2:ϕ_s205.00000°,δ29.00000°,λ113.00000°. $M_0$2.33000×10^{15}
JMA Event type fe. SOUTHERN IBARAKI PREF .

(235) Kyushu

ISC V 23 14 16 55.1–.90 30.82N–.03 131.42E–.04 28–6 4.5b,3.8s 143 0-115
NEIC V 23 14 16 54.4–1.5 30.83N–.06 131.39E–.08 21–5 4.6b,3.8s **¶610650679**
BJI V 23 14 16 55.2–.00 30.73N 131.22E 26 4.6b,4.4b
NIED V 23 14 16 55.6 30.81N 131.48E 40 4.4W,4.4b
JMA V 23 14 16 55.6–.17 30.8N–.40 131E–1.0 40–1 4.4W,4.1
IDC V 23 14 16 56.9–1.2 30.81N 131.27E 45–11 4.1,3.9b
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=8.1km az=71.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-3.85 $M_{\theta\theta}$1.66 $M_{\phi\phi}$2.19 $M_{r\theta}$0.38 $M_{\theta\phi}$1.15 $M_{r\phi}$2.44 NP1:ϕ_s203.00000°,δ62.00000°,λ-101.00000°. NP2:ϕ_s46.00000°,δ30.00000°,λ-70.00000°. $M_0$4.24000×10^{15}
JMA Event type fe. SE OFF OSUMI PEN .
IDC Error ellipse: s-maj=14.9km s-min=8.2km az=96.0.

(254) Panay

ISC V 24 00 09 22.4–1.1 11.14N–.02 122.15E–.03 16–8 3.5b 49 1-95
MAN V 24 00 09 21.8 11.16N 122.03E 6 4.8b,3.7L **¶610685255**
IDC V 24 00 09 26.8–3.3 11.02N 122.12E 51–32 3.7,3.6L
ISC Event type fe.
MAN Event type fe. INTENSITY III - BUGASONG LAUA-AN AND BARBAZA ANTIQUE.
IDC Error ellipse: s-maj=47.1km s-min=18.0km az=72.0.

(235) Kyushu

ISC V 24 14 34 59.7–.47 32.41N–.04 131.09E–.05 124–4 4.4b 155 0-92
IDC V 24 14 34 59.3–.46 32.48N 130.98E 119–3 4.3,3.9b **¶610651503**
NIED V 24 14 35 00.1 32.47N 131.14E 114 4.2W,3.9b
NEIC V 24 14 35 00.5–1.4 32.41N–.05 131.06E–.09 126–6 4.5b,3.9b
JMA V 24 14 35 00.1–.10 32.5N–.30 131.1E–.40 114–0 3.9,3.8
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}1.84 $M_{\theta\theta}$-0.72 $M_{\phi\phi}$-1.12 $M_{r\theta}$-0.39 $M_{\theta\phi}$-1.08 $M_{r\phi}$1.40 NP1:ϕ_s14.00000°,δ62.00000°,λ63.00000°. NP2:ϕ_s242.00000°,δ38.00000°,λ131.00000°. $M_0$2.40000×10^{15}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. NORTHERN MIYAZAKI PREF .

(228) Near east coast of eastern Honshu

ISC V 24 18 03 57.0–1.8 36.89N–.06 141.35E–.08 30–10 3.6b 30 0-57
IDC V 24 18 03 58.3–3.0 36.94N 141.43E 46–24 3.6,3.4b **¶610685310**
JMA V 24 18 03 58.8–.13 36.9N–.30 141.2E–.70 47–0 3.7,3.4b

ISC Event type ke.
JMA Event type fe. E OFF FUKUSHIMA PREF .
(228) Near east coast of eastern Honshu
ISC V 25 04 33 49.8–.85 35.20N–.05 140.21E–.06 30–6 3.5b 18 0-83
IDC V 25 04 33 42.9–2.6 35.36N 140.71E 0 3.6b,3.5 **¶610667733**
JMA V 25 04 33 51.1–.20 35.2N–.50 140.2E–.70 22–1 3.3,3.5
NIED V 25 04 33 51.1 35.21N 140.20E 22 3.5W,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=75.3km s-min=23.8km az=57.0.
JMA Event type fe. SOUTHERN BOSO PENINSULA .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-1.00 $M_{\theta\theta}$0.51 $M_{\phi\phi}$0.49 $M_{r\theta}$1.70 $M_{\theta\phi}$0.99 $M_{\phi r}$-0.11 NP1:ϕ_s260.00000°,δ75.00000°,λ-62.00000°. NP2:ϕ_s17.00000° ,δ31.00000°,λ-150.00000°. $M_0$2.14000×10^{14}
(224) Hokkaido region
ISC V 25 12 08 01.0–.91 43.29N–.03 144.01E–.02 13–7 3.5b 34 0-59
IDC V 25 12 07 59.6–5.2 44.02N 144.52E 0 3.6,3.6b **¶610685364**
JMA V 25 12 08 01.3–.07 43.3N–.20 144.0E–.30 10–1 3.3,3.6b
SKHL V 25 12 08 02.5–.50 43.10N 144.00E 34–4 3.9b,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=155.0km s-min=23.3km az=174.0.
JMA Event type fe. KUSHIRO REGION .
(249) Luzon
ISC V 25 14 27 06.1–.21 15.03N–.02 120.31E–.03 96–1 5.3b 1417 1-172
NEIC V 25 14 27 04.8–2.3 15.05N–.05 120.35E–.08 75–4 5.5b,5.3 **¶610654431**
NEIC V 25 14 27 04.6 15.06N 120.34E 70 5.5b,5.3
NEIC V 25 14 27 04.6 15.06N 120.34E 70 5.5b,5.3
BGR V 25 14 27 06.0 14.73N 121.26E 99–8 5.6,5.4b
BJI V 25 14 27 05.4–.00 15.11N 120.42E 100 5.1b,5.1b
GCMT V 25 14 27 05.8–.10 15.09N–.01 120.23E–.01 92–0 5.4W,5.1b
MAN V 25 14 27 05.1 15.08N 120.06E 83 5.9b,5.4s
MOS V 25 14 27 06.0–.80 15.04N 120.36E 109 5.4b,4.6s
DJA V 25 14 27 07.1–.40 15N–2.0 120E–2.0 105–4 6.1,5.8b
IDC V 25 14 27 07.1–.38 15.10N 120.36E 104–4 5.3,5.0b
KLM V 25 14 27 09 14.99N 120.24E 102 5.6b,5.0b
ISC Event type fe.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=7.6km az=79.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution.Duration: 2s4 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.60 $M_{\theta\theta}$1.35 $M_{\phi\phi}$-0.75 $M_{r\theta}$0.04 $M_{\theta\phi}$0.22 $M_{\phi r}$-0.41 NP1:ϕ_s46.23000°,δ63.70000° ,λ-150.06000°. NP2:ϕ_s301.92000°,δ63.42000°,λ-29.69000°. Principal axes: T 1.3774,Plg0.0000°,Azm174.0000°; N -0.2669,Plg51.0000°,Azm84.0000° ; P -1.1105,Plg39.0000°,Azm264.0000° $M_0$1.24000×10^{17}
NEIC Event type se.
BGR Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s117,c182; s132,c252;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.48±.02 $M_{\theta\theta}$1.57±.02; $M_{\phi\phi}$-1.08±.02; $M_{r\theta}$-0.08±.01; $M_{\theta\phi}$0.31±.02; $M_{\phi r}$-0.49±.01; Best double couple: NP1:ϕ_s42.00000°,δ73.00000°,λ-156.00000°. NP2:ϕ_s305.00000°,δ67.00000°,λ-18.00000°. Principal axes: T 1.6150,Plg4.0000° ,Azm173.0000°; N -0.2320,Plg61.0000°,Azm76.0000°; P -1.3780,Plg29.0000° ,Azm265.0000° $M_0$1.49700×10^{17}
MAN Event type fe. INTENSITY IV - SAN MARCELINO SAN FELIPE IBA SANTA CRUZ CABANGAN AND CASTILLEJOS ZAMBALES;; LINGAYEN PANGASINAN; DINALUPIHAN & ABUCAY BATAAN; QUEZON CITY; PATEROS; MALOLOS BULACAN;; OBANDO BULACAN; OLONGAPO CITY; INTENSITY III - TAGAYTAY CITY; GAPAN CITY; BOTOLAN PALAUIG & SUBIC ZAMBALES; TALISAY BATANGAS;; SAN JOSE DEL MONTE & MARILAO BULACAN; PASAY CITY; MAKATI CITY; MANDALUYONG; MANILA CITY;; MARIKINA CITY; PARANAQUE CITY; TAGUIG CITY; CALOOCAN CITY; PASIG CITY; VALENZUELA CITY;; SAN MIGUEL TARLAC; BONGABON & ALIAGA NUEVA CIJA; INTENSITY II - PALAYAN CITY; BACOOR CAVITE; CALUMPIT BULACAN; SAN JACINTO PANGASINAN;; CABANATUAN CITY; LUCBAN QUEZON.
MOS Error ellipse: s-maj=6.3km s-min=3.2km az=118.0.
IDC Error ellipse: s-maj=10.5km s-min=6.1km az=67.0.
(259) Mindanao
ISC V 25 16 59 10.9–.72 7.58N–.03 124.78E–.03 29–5 4.5b 147 1-87
DJA V 25 16 59 03.4–.50 8N–4.0 125E–6.0 10 5.0b,4.7 **¶610654524**
MAN V 25 16 59 08.0 7.66N 124.76E 1 5.1b,4.2s
BJI V 25 16 59 12.9–.00 7.73N 124.69E 39 4.9b,4.6b
NEIC V 25 16 59 12.2–1.6 7.54N–.07 124.74E–.06 36–7 4.6b,4.6b
IDC V 25 16 59 14.1–.92 7.68N 125.18E 60–10 4.1,3.8b
ISC Event type fe.
MAN Event type fe. INTENSITY IV - WAO LANAO DEL SUR; INTENSITY II - CAGAYAN DE ORO CITY.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=7.7km az=194.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=30.0km s-min=12.7km az=73.0.
(224) Hokkaido region
ISC V 25 17 33 23.5–.43 42.02N–.04 142.61E–.03 69–3 4.5b 320 0-93
MOS V 25 17 33 21.5–.90 42.00N 142.58E 64 4.9b **¶610654419**
JMA V 25 17 33 22.7–.18 42.0N–.80 142.6E–.70 64–1 4.3W,4.1
BJI V 25 17 33 22.0–.00 41.96N 142.53E 73 4.7b,4.5b
NIED V 25 17 33 22.7 42.01N 142.58E 64 4.3W,4.5b
SKHL V 25 17 33 22.4–.30 41.90N 142.60E 73–2 5.1b,4.5b
NEIC V 25 17 33 21.1–1.5 42.02N–.04 142.66E–.10 66–7 4.6b,4.5b
IDC V 25 17 33 23.9–.64 42.04N 142.50E 69–5 4.2,3.9b
BGR V 25 17 33 25.9 42.74N 144.52E 71 4.5b,3.9b
ISC Event type ke.
MOS Error ellipse: s-maj=7.1km s-min=4.9km az=100.7.
JMA Event type fe. S OFF URAKAWA .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}2.24 $M_{\theta\theta}$-0.69 $M_{\phi\phi}$-1.55 $M_{r\theta}$0.12 $M_{\theta\phi}$-1.03 $M_{\phi r}$1.70 NP1:ϕ_s17.00000°,δ64.00000°,λ75.00000°. NP2:ϕ_s228.00000° ,δ30.00000°,λ117.00000°. $M_0$2.81000×10^{15}
NEIC Event type se. Error ellipse: s-maj=11.6km s-min=3.0km az=112.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=13.0km s-min=7.1km az=101.0.
BGR Event type ke.
(228) Near east coast of eastern Honshu
ISC V 26 16 45 48.2–1.6 38.62N–.05 142.31E–.07 31–10 3.9b 55 1-76
NIED V 26 16 45 49.4 38.69N 142.26E 39 3.9W **¶610667737**
JMA V 26 16 45 49.4–.11 38.7N–.20 142.3E–.60 39–1 4.0,4.0
NEIC V 26 16 45 49.1–2.5 38.54N–.10 142.4E–.20 47–12 4.1b,4.0
IDC V 26 16 45 54.7–3.1 38.60N 142.12E 88–27 3.8,3.4s
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}6.59 $M_{\theta\theta}$-2.82 $M_{\phi\phi}$-3.77 $M_{r\theta}$3.78 $M_{\theta\phi}$-2.55 $M_{\phi r}$4.16 NP1:ϕ_s41.00000°,δ66.00000°,λ91.00000°. NP2:ϕ_s219.00000° ,δ24.00000°,λ87.00000°. $M_0$8.40000×10^{14}
JMA Event type fe. E OFF MIYAGI PREF .
NEIC Event type se. Error ellipse: s-maj=20.6km s-min=8.6km az=125.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=25.4km s-min=17.6km az=83.0.
(715) Tajikistan
ISC V 26 19 09 18.6–.52 39.47N–.02 71.41E–.02 13–3 4.7b,3.7s 771 1-151
IDC V 26 19 09 16.5–.47 39.39N 71.51E 0 4.5,4.4b **¶610654865**
BJI V 26 19 09 17.7–.00 39.50N 71.25E 24 4.7b,4.6L
MOS V 26 19 09 17.7–.99 39.41N 71.39E 14 4.8b,4.6L
SOME V 26 19 09 17.7 39.52N 71.55E 10 3.8s,4.6L
KRNET V 26 19 09 18.8–.10 39.50N 71.44E 22 4.9b,4.6L
BGR V 26 19 09 18.4 39.13N 71.77E 13 4.3b,4.6L
NNC V 26 19 09 19.3–1.4 39.59N 71.27E 0 5.0b,4.6
NEIC V 26 19 09 20.3–1.9 39.47N–.04 71.35E–.06 20–4 4.7b,4.3
NEIC V 26 19 09 22.7 39.49N 71.35E 37 4.7b,4.3
ISC Event type ke.
IDC Error ellipse: s-maj=9.2km s-min=7.1km az=153.0.
MOS Event type fe. Error ellipse: s-maj=3.9km s-min=3.2km az=80.2. Felt (IV) at Karamyk, Kara-Teyit; (III-IV) at Shibee; (III) at Korgon, Kulchu, Chak. Moment Tensor Solution.
BGR Event type ke.
NNC Event type se. Error ellipse: s-maj=14.2km s-min=7.4km az=166.0.
NEIC Event type se. Error ellipse: s-maj=6.7km s-min=6.2km az=101.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}2.64 $M_{\theta\theta}$-0.30 $M_{\phi\phi}$-2.34 $M_{r\theta}$-0.90 $M_{\theta\phi}$-1.71 $M_{\phi r}$-0.22 NP1:ϕ_s12.97000°,δ41.49000°,λ64.71000°. NP2:ϕ_s225.21000°,δ53.21000° ,λ110.70000°. Principal axes: T 2.9040,Plg72.0000°,Azm191.0000°; N 0.4720,Plg16.0000° ,Azm32.0000°; P -3.3759,Plg6.0000°,Azm301.0000° $M_0$3.17000×10^{15}
NEIC Event type se.
(227) Eastern Honshu
ISC V 27 11 59 39.1–1.1 36.71N–.03 138.54E–.04 1–6 4.5b,3.6s 159 0-153
BJI V 27 11 59 34.1–.00 36.74N 139.08E 8 4.6b,4.4b **¶616913565**
MOS V 27 11 59 37.5–.96 36.51N 138.51E 10 4.6b,4.4b
IDC V 27 11 59 38.5–.56 36.48N 138.64E 0 4.0b,3.9
NIED V 27 11 59 38.9 36.74N 138.53E 0 4.5W,3.9
JMA V 27 11 59 38.9–.07 36.7N–.30 138.5E–.30 0 4.4W,4.4
NEIC V 27 11 59 40.0–.98 36.83N–.04 138.38E–.06 2–3 4.6b,4.4
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.69 $M_{\theta\theta}$2.20 $M_{\phi\phi}$-2.90 $M_{r\theta}$-0.89 $M_{\theta\phi}$-4.82 $M_{\phi r}$-2.77 NP1:ϕ_s345.00000°,δ83.00000°,λ-22.00000°. NP2:ϕ_s78.00000° ,δ68.00000°,λ-172.00000°. $M_0$6.04000×10^{15}
JMA Event type fe. NORTHERN NAGANO PREF .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(227) Eastern Honshu
ISC V 27 13 07 26.4–.94 36.71N–.06 138.53E–.04 10 13 0-56
IDC V 27 13 07 25.6–1.5 36.73N 138.50E 0 3.5b,3.4 **¶610685498**
JMA V 27 13 07 25.3–.07 36.7N–.30 138.5E–.30 0 3.0,3.4
ISC Event type ke.
JMA Event type fe. NORTHERN NAGANO PREF .
(660) Sea of Japan
ISC V 27 13 50 06.5–.59 35.95N–.03 135.57E–.03 27–4 4.5b,4.3s 263 0-100
BJI V 27 13 50 01.8–.00 35.91N 135.96E 30 4.8b,4.8s **¶610655143**
IDC V 27 13 50 02.4–.51 36.00N 135.44E 0 4.2,4.2b
MOS V 27 13 50 02.6–1.6 35.90N 135.39E 14 4.8b,4.5s
NIED V 27 13 50 04.0 36.07N 135.54E 17 4.8W,4.5s
JMA V 27 13 50 04.0–.04 36.1N–.20 135.5E–.10 17–0 5.1,4.8W
NEIC V 27 13 50 04.3–2.0 35.98N–.05 135.53E–.06 10–1 4.8b,4.8W
GCMT V 27 13 50 07.3–.20 36.06N–.01 135.41E–.01 12 4.8W,4.8W
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.05 $M_{\theta\theta}$1.35 $M_{\phi\phi}$-1.30 $M_{r\theta}$-0.85 $M_{\theta\phi}$-0.87 $M_{\phi r}$0.33 NP1:ϕ_s334.00000°,δ76.00000°,λ20.00000°. NP2:ϕ_s239.00000° ,δ71.00000°,λ165.00000°. $M_0$1.79000×10^{16}
JMA Event type fe. NW OFF KINKI DISTRICT .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s28,c32; s107,c166;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.09±.06 $M_{\theta\theta}$1.62±.06; $M_{\phi\phi}$-1.53±.05; $M_{r\theta}$-0.11±.16; $M_{\theta\phi}$-1.25±.05; $M_{\phi r}$-0.99±.15; Best double couple: NP1:ϕ_s332.00000°,δ79.00000°,λ-21.00000°. NP2:ϕ_s67.00000°,δ69.00000°,λ-168.00000°. Principal axes: T 2.0810,Plg6.0000° ,Azm21.0000°; N 0.2960,Plg66.0000°,Azm126.0000°; P -2.3770,Plg23.0000°,Azm288.0000° $M_0$2.22900×10^{16}
(228) Near east coast of eastern Honshu
ISC V 28 03 04 43.4–.71 34.54N–.04 140.33E–.05 82–6 4.3b 112 0-118
NEIC V 28 03 04 42.7–1.2 34.52N–.05 140.5E–.10 83–8 4.4b **¶610667744**
IDC V 28 03 04 43.0–1.6 34.52N 140.40E 76–12 4.3,4.0b
NIED V 28 03 04 43.9 34.52N 140.20E 72 4.0W,4.0b
JMA V 28 03 04 43.9–.27 34.5N–.70 140.2E–.80 72–2 3.9,4.0b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.01 $M_{\theta\theta}$0.56 $M_{\phi\phi}$-0.56 $M_{r\theta}$-0.37 $M_{\theta\phi}$-0.68 $M_{\phi r}$-0.69 NP1:ϕ_s74.00000°,δ72.00000°,λ-155.00000°. NP2:ϕ_s335.00000° ,δ66.00000°,λ-20.00000°. $M_0$1.11000×10^{15}
JMA Event type fe. FAR S OFF BOSO PENINSULA.
(230) Near south coast of eastern Honshu
ISC V 28 06 18 21.1–.52 35.82N–.04 139.62E–.05 123–4 4.4b 204 0-92
MOS V 28 06 18 19.7–.99 35.86N 139.69E 125 4.3b **¶611401220**
BJI V 28 06 18 20.1–.00 35.80N 139.69E 146 4.7b,4.7b
IDC V 28 06 18 21.9–.71 35.73N 139.50E 130–6 4.3,3.9b
JMA V 28 06 18 22.6–.17 35.8N–.60 139.6E–.80 123–1 4.2,4.0
NEIC V 28 06 18 22.5–1.7 35.84N–.05 139.54E–.08 129–6 4.5b,4.0
NIED V 28 06 18 22.6 35.80N 139.60E 123 4.1W,4.0
ISC Event type ke.
MOS Error ellipse: s-maj=9.7km s-min=5.6km az=103.8.
IDC Error ellipse: s-maj=15.0km s-min=6.3km az=71.0.
JMA Event type fe. EASTERN SAITAMA PREF .
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=6.3km az=109.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.27 $M_{\theta\theta}$-0.40 $M_{\phi\phi}$0.67 $M_{r\theta}$1.10 $M_{\theta\phi}$0.20 $M_{\phi r}$0.91 NP1:ϕ_s228.00000°,δ85.00000°,λ-69.00000°. NP2:ϕ_s332.00000° ,δ22.00000°,λ-165.00000°. $M_0$1.56000×10^{15}
(662) Sakhalin Island
ISC V 28 21 44 37.8–1.1 50.69N–.02 142.14E–.04 12–9 34 0-70
MOS V 28 21 44 34.6–2.9 50.73N 141.84E 11 4.0b **¶615092677**
SKHL V 28 21 44 36.2–.30 50.72N 142.13E 9–2 4.8b
ISC Event type ke.
MOS Event type fe. Error ellipse: s-maj=19.1km s-min=10.1km az=81.4. Felt (III-IV) at Due; (III) at Aleksandrovsk- Sakhalinskiy; (II-III) at Arkovo, Mgachi; (II) at Kirovskoye, Onor. Moment Tensor Solution.
SKHL Event type fe. Felt (III-IV) at Due, (III) at Aleksandrovsk-Sakhalinsky, (II-III) at Mgachi, Arkovo, (II) at Kirovskoye, Onor.
(98) Trinidad
ISC V 28 23 06 12.3–1.0 10.47N–.07 61.71W–.09 33 31 0-8
TRN V 28 23 06 09.6 10.28N 61.52W 27 4.0 **¶611150908**
NEIC V 28 23 06 13.0–2.0 10.56N–.04 61.76W–.10 41–59 3.5L
ISC Event type se.
TRN Event type fe. Felt in Tinidad.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(219) Off east coast of Kamchatka Peninsula
ISC V 29 00 28 29.0–.40 52.81N–.03 160.31E–.03 38–1 4.7b,3.6s 530 0-112
BJI V 29 00 28 26.4–.00 53.08N 160.22E 40 4.7b,4.6b **¶610655277**
KRSC V 29 00 28 26.6–1.0 52.75N 160.43E 40–10 5.0L,4.3
MOS V 29 00 28 29.1–1.1 52.82N 160.17E 52 4.9b,4.3
NEIC V 29 00 28 29.9–1.6 53.01N–.04 160.1E–.10 35–1 4.6b,4.3
IDC V 29 00 28 33.2–1.5 52.94N 160.00E 73–11 4.5,4.2b
BGR V 29 00 28 35.4 53.46N 159.44E 33 4.9b,3.6s
ISC Event type ke.
KRSC Event type se.
MOS Event type fe. Error ellipse: s-maj=6.3km s-min=3.3km az=97.4. Felt (II-III) at Petropavlovsk-Kamchatskiy. Moment Tensor Solution.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=7.8km az=104.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=13.4km s-min=9.6km az=139.0.
BGR Event type ke.
(228) Near east coast of eastern Honshu
ISC V 29 11 32 43.7–.83 35.91N–.04 140.54E–.06 31–5 3.5b 20 0-60
IDC V 29 11 32 40.0–1.3 35.82N 140.32E 0 3.4,3.4b **¶610685610**
JMA V 29 11 32 42.8–.11 35.9N–.30 140.5E–.40 35–1 3.1,3.4b
ISC Event type ke.
JMA Event type fe. NORTHERN CHIBA PREF .
(224) Hokkaido region
ISC V 29 17 40 09.4–.91 41.57N–.04 141.91E–.04 69–8 3.8b 40 1-65
JMA V 29 17 40 09.3–.15 41.6N–.40 141.9E–.70 69–2 3.3 **¶610685649**
IDC V 29 17 40 11.8–2.4 41.69N 141.97E 87–16 3.5,3.4b
ISC Event type ke.
JMA Event type fe. E OFF AOMORI PREF .
IDC Error ellipse: s-maj=36.2km s-min=14.7km az=122.0.

(238) Ryukyu Islands
ISC V 30 06 20 14.9–.45 24.35N–.04 126.29E–.03 15–2 5.0b,4.5s 572 1-96
IDC V 30 06 20 12.8–.55 24.40N 126.23E 0 4.6L,4.4 **¶610655728**
MOS V 30 06 20 12.9–1.1 24.40N 126.24E 11 5.1b,4.6s
BJI V 30 06 20 13.6–.00 24.41N 126.19E 14 4.9b,4.9s
NEIC V 30 06 20 14.5–2.1 24.40N–.07 126.24E–.07 10–1 5.0b,4.9s
JMA V 30 06 20 15.7–.17 24N–1.0 126.2E–1.0 71–3 5.3,5.1W
NIED V 30 06 20 15.7 24.38N 126.23E 71 5.1W,5.1W
GCMT V 30 06 20 16.5–.20 24.30N–.01 126.25E–.01 16–0 5.1W,5.1W
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. NEAR MIYAKOJIMA ISLAND .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.46 $M_{\theta\theta}$0.43 $M_{\phi\phi}$0.03 $M_{r\theta}$-1.28 $M_{\theta\phi}$4.85 $M_{\phi r}$0.28 NP1:ϕ_s90.00000°,δ86.00000°,λ-15.00000°. NP2:ϕ_s182.00000°,δ75.00000°,λ-175.00000°. $M_0$5.04000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s81,c107; s124,c206;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.37±.11 $M_{\theta\theta}$1.10±.10; $M_{\phi\phi}$-0.72±.10; $M_{r\theta}$1.44±.28; $M_{\theta\phi}$5.57±.10; $M_{\phi r}$1.27±.28; Best double couple: NP1:ϕ_s4.00000°,δ79.00000°,λ168.00000°. NP2:ϕ_s96.00000°,δ79.00000°,λ11.00000°. Principal axes: T 6.3760,Plg16.0000°,Azm320.0000°; N -0.9190,Plg74.0000°,Azm141.0000°; P -5.4590,Plg0.0000°,Azm50.0000° $M_0$5.91800×10^{16}
(92) Leeward Islands
ISC V 30 09 35 36.0–.52 16.21N–.03 62.06W–.05 171–5 4.2b 483 0-164
TRN V 30 09 35 34.9 16.34N 61.89W 178 4.3 **¶610655791**
NEIC V 30 09 35 36.6–1.5 16.23N–.06 62.03W–.08 172–5 4.3b
IDC V 30 09 35 40.8–1.9 16.47N 62.27W 196–15 4.3,3.7b
ISC Event type se.
TRN Event type fe. Felt in Guadeloupe MMI III.
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=7.9km az=62.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=17.7km s-min=16.5km az=90.0.
(235) Kyushu
ISC V 30 10 15 06.3–.99 30.80N–.03 131.46E–.05 41–9 4.4b,3.9s 130 0-121
NEIC V 30 10 15 05.2 30.76N 131.48E 28 4.4b,3.9s **¶611150922**
JMA V 30 10 15 06.0–.15 30.8N–.40 131.5E–.80 40–1 4.1,4.0
NIED V 30 10 15 06.0 30.80N 131.48E 40 4.2W,4.0
NEIC V 30 10 15 06.1–1.3 30.77N–.06 131.46E–.06 34–5 4.5b,4.1
IDC V 30 10 15 07.5–1.6 30.88N 131.23E 44–14 4.1,3.9b
ISC Event type ke.
NEIC Event type se.
JMA Event type fe. SE OFF OSUMI PEN .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-2.30 $M_{\theta\theta}$0.76 $M_{\phi\phi}$1.54 $M_{r\theta}$-0.03 $M_{\theta\phi}$1.04 $M_{\phi r}$0.75 NP1:ϕ_s204.00000°,δ53.00000°,λ-102.00000°. NP2:ϕ_s45.00000°,δ39.00000°,λ-74.00000°. $M_0$2.40000×10^{15}
NEIC Event type se. Error ellipse: s-maj=8.5km s-min=7.7km az=196.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-1.61 $M_{\theta\theta}$0.13 $M_{\phi\phi}$1.48 $M_{r\theta}$-0.31 $M_{\theta\phi}$1.07 $M_{\phi r}$0.03 NP1:ϕ_s195.83000°,δ44.63000°,λ-108.92000°. NP2:ϕ_s41.55000°,δ48.35000°,λ-72.25000°. Principal axes: T 2.0698,Plg2.0000°,Azm119.0000°; N -0.3922,Plg13.0000°,Azm210.0000°; P -1.6776,Plg77.0000°,Azm21.0000° $M_0$1.90000×10^{15}
IDC Error ellipse: s-maj=16.4km s-min=10.7km az=86.0.
(228) Near east coast of eastern Honshu
ISC V 30 16 04 57.6–1.3 39.64N–.04 142.13E–.09 46–8 3.7b 29 0-45
JMA V 30 16 04 57.8–.09 39.6N–.20 142.1E–.50 48–0 3.5 **¶614836240**
IDC V 30 16 04 59.3–3.6 40.14N 140.92E 0 3.7b,3.5
ISC Event type ke.
JMA Event type fe. E OFF IWATE PREF .
IDC Error ellipse: s-maj=71.0km s-min=28.0km az=114.0.
(228) Near east coast of eastern Honshu
ISC V 30 16 12 14.2–1.4 38.24N–.04 142.08E–.09 52–11 3.4b 36 0-58
JMA V 30 16 12 15.8–.09 38.3N–.30 141.9E–.50 62–0 3.4 **¶610685727**
IDC V 30 16 12 16.4–6.9 38.13N 141.96E 70–45 3.5,3.2b
ISC Event type ke.
JMA Event type fe. E OFF MIYAGI PREF .
IDC Error ellipse: s-maj=85.7km s-min=19.1km az=77.0.
(662) Sakhalin Island
ISC V 31 07 52 03.8–.31 46.09N–.02 142.15E–.03 10 4.5b,3.8s 386 1-151
NIED V 31 07 52 01.1 46.31N 142.21E 11 4.5W,3.8s **¶610685778**
JMA V 31 07 52 01.1–.40 46N–1.0 142E–2.0 11–3 4.5W,4.5
IDC V 31 07 52 02.2–.49 46.16N 142.21E 0 4.2,4.2b
MOS V 31 07 52 02.7–1.0 46.18N 142.16E 14 4.6b,3.5s
SKHL V 31 07 52 02.8–.30 46.11N 142.11E 10–5 4.8b,4.3s
NEIC V 31 07 52 05.3–1.2 46.22N–.05 142.1E–.10 17–5 4.5b,4.3s
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}5.50 $M_{\theta\theta}$-0.16 $M_{\phi\phi}$-5.33 $M_{r\theta}$0.61 $M_{\theta\phi}$0.51 $M_{\phi r}$-2.31 NP1:ϕ_s171.00000°,δ57.00000°,λ86.00000°. NP2:ϕ_s358.00000°,δ33.00000°,λ96.00000°. $M_0$5.94000×10^{15}
JMA Event type fe. SOUTH SAKHALIN .
MOS Event type fe. Felt (III) at Aniva, Taranai; (II) at Gornozavodsk, Korsakov, Nevel'sk, Kholmsk, Yuzhno-Sakhalinsk. Moment Tensor Solution.
SKHL Event type fe. Felt (III) at Aniva, Taranay, (II) at Korsakov, Kholmsk, Nevel'sk, Gornozavodsk, Yuzhno-Sakhalinsk.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(716) Kyrgyzstan
ISC VI 01 15 10 19.3–.73 39.44N–.03 72.06E–.02 10–4 4.3b,3.4s 374 0-94
IDC VI 01 15 10 17.5–.72 39.41N 72.13E 0 4.0,3.9b **¶610657927**
KRNET VI 01 15 10 19.3–.10 39.45N 72.12E 24 4.8b,3.9b
MOS VI 01 15 10 19.1–1.2 39.42N 72.04E 18 4.5b,3.9b
NEIC VI 01 15 10 19.9–2.9 39.48N–.03 72.01E–.04 10–1 4.4b,3.9b
SOME VI 01 15 10 20.2 39.57N 72.18E 10 4.4b,3.9b
BJI VI 01 15 10 21.9–.00 39.49N 72.36E 5 4.6b,4.2b
NNC VI 01 15 10 22.0–1.1 39.65N 72.08E 10–5 4.8b,4.6
ISC Event type se.
IDC Error ellipse: s-maj=13.7km s-min=9.3km az=140.0.
MOS Event type fe. Error ellipse: s-maj=5.6km s-min=3.5km az=71.5. Felt (IV-V) at Zhar-Bashy, Kulchu, Chak; (IV) at Shibe; (III-IV) at Karamyk, Kara-Teyit, Achyk-Suu. Moment Tensor Solution.
NEIC Event type se. Error ellipse: s-maj=6.3km s-min=3.3km az=40.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=7.8km s-min=4.2km az=2.0.
(95) Windward Islands
TRN VI 02 03 29 00.2 13.14N 59.31W 58 3.9
¶616620331
TRN Event type fe. Felt in Barbados, MMI IV.
(238) Ryukyu Islands
ISC VI 02 08 35 12.1–1.6 26.28N–.05 128.65E–.04 10–9 4.3b,3.5s 88 1-94
IDC VI 02 08 35 11.4–.76 26.29N 128.25E 0 4.0,4.0b **¶610659611**
NEIC VI 02 08 35 12.8–1.4 26.25N–.03 128.60E–.07 11–5 4.4b,4.0b
NIED VI 02 08 35 15.2 26.39N 128.63E 24 4.1W,4.0b
JMA VI 02 08 35 15.2–.21 26.4N–.60 128.6E–.80 24–2 4.0,4.0
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.96 $M_{\theta\theta}$-0.48 $M_{\phi\phi}$-0.47 $M_{r\theta}$1.07 $M_{\theta\phi}$-0.78 $M_{\phi r}$0.92 NP1:ϕ_s49.00000°,δ71.00000°,λ93.00000°. NP2:ϕ_s219.00000°,δ19.00000°,λ81.00000°. $M_0$1.80000×10^{15}
JMA Event type fe. NEAR OKINAWAJIMA ISLAND .
(238) Ryukyu Islands
ISC VI 02 17 26 32.6–.25 24.35N–.03 126.22E–.03 39–2 5.0b,4.5s 826 1-180
IDC VI 02 17 26 27.9–.48 24.42N 126.17E 0 4.6,4.6b **¶611834032**
NEIC VI 02 17 26 28.4–2.0 24.37N–.06 126.23E–.06 10–1 5.1b,4.6b
BJI VI 02 17 26 28.5–.00 24.36N 126.28E 22 5.0b,5.0s
NIED VI 02 17 26 29.3 24.25N 126.27E 68 5.1W,5.0s
JMA VI 02 17 26 29.3–.21 24N–2.0 126E–1.0 68–4 5.3,5.1W
MOS VI 02 17 26 30.9–1.3 24.39N 126.21E 34 5.2b,4.6s
GCMT VI 02 17 26 31.4–.10 24.31N–.01 126.23E–.01 15–0 5.2W,4.6s
BGR VI 02 17 26 38.4 24.61N 125.55E 36–4 5.0s,5.0b
ISC Event type ke.
IDC Error ellipse: s-maj=13.5km s-min=11.1km az=84.0.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=8.2km az=149.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.17 $M_{\theta\theta}$-0.27 $M_{\phi\phi}$0.44 $M_{r\theta}$-0.91 $M_{\theta\phi}$5.32 $M_{\phi r}$0.08 NP1:ϕ_s88.00000°,δ88.00000°,λ-10.00000°. NP2:ϕ_s178.00000°,δ80.00000°,λ-178.00000°. $M_0$5.41000×10^{16}
JMA Event type fe. NEAR MIYAKOJIMA ISLAND .
MOS Error ellipse: s-maj=6.6km s-min=4.0km az=113.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s87,c122; s133,c225;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.22±.10 $M_{\theta\theta}$0.41±.09; $M_{\phi\phi}$-0.18±.10; $M_{r\theta}$3.04±.36; $M_{\theta\phi}$5.73±.09; $M_{\phi r}$2.00±.32; Best double couple: NP1:ϕ_s93.00000°,δ79.00000°,λ24.00000°. NP2:ϕ_s358.00000°,δ66.00000°,λ168.00000°. Principal axes: T 7.5140,Plg25.0000°,Azm318.0000°; N -1.7930,Plg64.0000°,Azm117.0000°; P -5.7210,Plg8.0000°,Azm224.0000° $M_0$6.61700×10^{16}
BGR Event type ke.
(221) Kuril Islands
ISC VI 03 11 47 23.9–.24 50.82N–.03 157.34E–.02 59–1 5.5b,4.5s 2296 1-159
KRSC VI 03 11 47 20.6–2.3 50.63N 157.67E 62–26 5.9L,5.5 **¶611834039**
BJI VI 03 11 47 22.3–.00 50.86N 157.20E 60 5.4b,5.1b
NEIC VI 03 11 47 23.7 50.53N 158.12E 60 5.4b,5.1b
NEIC VI 03 11 47 23.3–2.2 50.82N–.05 157.35E–.08 44–1 5.6b,5.3
NEIC VI 03 11 47 23.7 50.83N 157.33E 60 5.6b,5.3
NEIC VI 03 11 47 23.1 50.86N 157.26E 42 5.6b,5.3
MOS VI 03 11 47 24.0–.92 50.84N 157.18E 74 5.7b,4.8s
IDC VI 03 11 47 25.9–1.3 50.95N 157.20E 71–10 5.5,5.2b
GCMT VI 03 11 47 26.3–.10 50.76N–.01 157.70E–.01 54–0 5.3W,5.2b
BGR VI 03 11 47 27.3 51.83N 156.31E 33 5.5,5.2b
ISC Event type ke.
KRSC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2s1 Moment tensor: Scale 10^{17}Nm; M_{rr}0.98 $M_{\theta\theta}$-0.22 $M_{\phi\phi}$-0.76 $M_{r\theta}$0.06 $M_{\theta\phi}$-0.53 $M_{\phi r}$0.10 NP1:ϕ_s31.36000°,δ48.09000°,λ89.90000°. NP2:ϕ_s211.52000°,δ41.91000°,λ90.11000°. Principal axes: T 0.9900,Plg87.0000°,Azm300.0000°; N 0.1019,Plg0.0000°,Azm31.0000°; P -1.0919,Plg3.0000°,Azm121.0000° $M_0$1.04000×10^{17}
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=5.2km az=226.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.15 $M_{\theta\theta}$-0.67 $M_{\phi\phi}$-0.47 $M_{r\theta}$0.20 $M_{\theta\phi}$-0.50 $M_{\phi r}$0.31 NP1:ϕ_s235.61000°,δ36.37000°,λ98.12000°. NP2:ϕ_s45.57000°,δ54.05000°,λ84.06000°. Principal axes: T 1.2099,Plg80.0000°,Azm291.0000°; N -0.0751,Plg5.0000°,Azm49.0000°; P -1.1347,Plg9.0000°,Azm140.0000° $M_0$1.17000×10^{17}
NEIC Event type se.
NEIC Event type se.
MOS Event type fe. Error ellipse: s-maj=5.5km s-min=2.7km az=84.0. Felt (III) at Severo-Kurilsk; (II) at Petropavlovsk-Kamchatsky. Moment Tensor Solution.
IDC Error ellipse: s-maj=9.7km s-min=7.8km az=134.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s131,c218; s140,c255;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}1.25±.02 $M_{\theta\theta}$-0.39±.02; $M_{\phi\phi}$-0.85±.02; $M_{r\theta}$0.21±.01; $M_{\theta\phi}$-0.64±.01; $M_{\phi r}$0.39±.01; Best double couple: NP1:ϕ_s33.00000°,δ55.00000°,λ87.00000°. NP2:ϕ_s217.00000°,δ35.00000°,λ94.00000°. Principal axes: T 1.3270,Plg80.0000°,Azm292.0000°; N 0.0490,Plg2.0000°,Azm34.0000°; P -1.3780,Plg10.0000°,Azm125.0000° $M_0$1.35200×10^{17}
BGR Event type ke.
(228) Near east coast of eastern Honshu
ISC VI 03 22 26 43.7–2.0 37.17N–.04 141.64E–.07 10–11 3.8b 56 1-147
IDC VI 03 22 26 42.7–1.1 37.18N 141.60E 0 3.9L,3.8 **¶614839729**
NIED VI 03 22 26 45.1 37.15N 141.55E 36 3.9W,3.8
JMA VI 03 22 26 45.1–.18 37.2N–.40 141.5E–.90 36–1 4.2,4.2
NEIC VI 03 22 26 47.5–2.0 37.30N–.06 141.50E–.10 28–6 4.3b,4.2
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-0.21 $M_{\theta\theta}$-6.35 $M_{\phi\phi}$6.56 $M_{r\theta}$-0.15 $M_{\theta\phi}$0.77 $M_{\phi r}$1.77 NP1:ϕ_s318.00000°,δ82.00000°,λ169.00000°. NP2:ϕ_s49.00000°,δ79.00000°,λ8.00000°. $M_0$6.72000×10^{14}
JMA Event type fe. E OFF FUKUSHIMA PREF .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(228) Near east coast of eastern Honshu
ISC VI 04 00 15 14.2–.87 35.45N–.03 140.46E–.05 29–6 3.5b 20 0-59
IDC VI 04 00 15 11.4–2.2 35.41N 140.40E 0 3.3b,3.2 **¶610791200**
JMA VI 04 00 15 13.8–.12 35.5N–.30 140.4E–.60 31–1 2.9,3.2
ISC Event type ke.
JMA Event type fe. KUJUKURI COAST BOSO PEN .
(228) Near east coast of eastern Honshu
ISC VI 04 00 56 13.4–.63 35.36N–.03 140.46E–.04 29–4 4.5b,3.8s 151 0-148
BJI VI 04 00 56 10.4–.00 35.17N 140.32E 21 4.8b,4.6b **¶610661328**
NEIC VI 04 00 56 12.9–1.2 35.35N–.03 140.48E–.07 22–5 4.5b,4.6b
NIED VI 04 00 56 13.3 35.46N 140.42E 30 4.4W,4.6b
JMA VI 04 00 56 13.3–.12 35.5N–.30 140.4E–.60 30–1 4.4,4.1
IDC VI 04 00 56 14.8–1.6 35.31N 140.38E 41–15 4.2,3.9s
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=3.7km az=83.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}1.29 $M_{\theta\theta}$-2.26 $M_{\phi\phi}$0.97 $M_{r\theta}$3.14 $M_{\theta\phi}$-0.62 $M_{\phi r}$2.52 NP1:ϕ_s52.00000°,δ80.00000°,λ72.00000°. NP2:ϕ_s295.00000°,δ21.00000°,λ151.00000°. $M_0$4.51000×10^{15}
JMA Event type fe. KUJUKURI COAST BOSO PEN .
IDC Error ellipse: s-maj=17.8km s-min=8.8km az=86.0.
(228) Near east coast of eastern Honshu
ISC VI 04 02 09 58.4–.64 35.37N–.03 140.54E–.04 30–4 4.2b,3.3s 105 0-92
BJI VI 04 02 09 55.9–.00 35.26N 140.81E 41 4.7b,4.4b **¶610661426**
NEIC VI 04 02 09 56.2–1.2 35.37N–.05 140.65E–.08 18–5 4.5b,4.4b
NIED VI 04 02 09 58.1 35.45N 140.42E 30 4.0W,4.4b
JMA VI 04 02 09 58.1–.12 35.5N–.30 140.4E–.60 30–1 3.8,4.4b
IDC VI 04 02 09 59.9–2.1 35.31N 140.28E 40–20 3.8,3.6b
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=6.7km az=110.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.63 $M_{\theta\theta}$-0.73 $M_{\phi\phi}$0.10 $M_{r\theta}$0.74 $M_{\theta\phi}$-0.20 $M_{\phi r}$0.69 NP1:ϕ_s53.00000°,δ74.00000°,λ73.00000°. NP2:ϕ_s281.00000°,δ23.00000°,λ136.00000°. $M_0$1.24000×10^{15}
JMA Event type fe. KUJUKURI COAST BOSO PEN .
IDC Error ellipse: s-maj=23.1km s-min=9.9km az=78.0.
(228) Near east coast of eastern Honshu
ISC VI 04 10 18 37.6–.81 35.42N–.03 140.45E–.04 27–5 3.5b 27 0-66
IDC VI 04 10 18 33.8–1.5 35.28N 140.31E 0 3.2,3.2b **¶610791228**
JMA VI 04 10 18 36.9–.13 35.5N–.30 140.4E–.60 30–1 2.9,3.2b
ISC Event type ke.
JMA Event type fe. KUJUKURI COAST BOSO PEN .
(235) Kyushu
JMA VI 04 14 28 32.7–.05 32.6N–.10 130.7E–.20 11–0 3.5
NIED VI 04 14 28 32.7 32.58N 130.67E 11 3.5W **¶610764467**
JMA Event type fe. SOUTHERN KUMAMOTO PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}0.13 $M_{\theta\theta}$0.96 $M_{\phi\phi}$-1.09 $M_{r\theta}$0.06 $M_{\theta\phi}$1.78 $M_{\phi r}$-0.39 NP1:ϕ_s15.00000°,δ87.00000°,λ-170.00000°. NP2:ϕ_s285.00000°,δ80.00000°,λ-3.00000°. $M_0$2.09000×10^{14}
(213) Volcano Islands region
ISC VI 04 18 46 11.1–.40 24.91N–.03 142.18E–.04 28–2 5.1b,4.3s 1008 2-174
JMA VI 04 18 45 56.5–.33 24.5N–.90 143E–1.0 0 5.8,5.2 **¶610661314**
BJI VI 04 18 46 06.7–.00 24.85N 142.64E 30 4.8b,4.8b
NEIC VI 04 18 46 08.9–2.8 24.93N–.06 142.17E–.10 10–1 5.2b,4.8b
MOS VI 04 18 46 10.9–.96 24.86N 141.96E 38 5.4b,4.6s
GCMT VI 04 18 46 12.9–.20 24.95N–.01 142.30E–.02 13–1 4.9W,4.6s
IDC VI 04 18 46 13.1–1.6 24.88N 141.97E 44–14 4.9,4.7b

ISC Event type ke.
JMA Event type fe. IOTO ISLANDS REGION .
NEIC Event type se. Error ellipse: s-maj=15.0km s-min=9.6km az=94.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=8.3km s-min=3.7km az=114.8.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s43,c51; s105,c171;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}0.81±.11 $M_{\theta\theta}$-2.46±.09; $M_{\phi\phi}$1.66±.08; $M_{r\theta}$-0.25±.17; $M_{\theta\phi}$-1.96±.07; $M_{\phi r}$-0.06±.20; Best double couple: NP1:ϕ_s113.00000°,δ89.00000°,λ-176.00000°. NP2:ϕ_s23.00000°,δ86.00000°,λ-1.00000°. Principal axes: T 2.4440,Plg1.0000°,Azm248.0000°; N 0.8230,Plg86.0000°,Azm136.0000°; P -3.2590,Plg4.0000°,Azm338.0000° $M_0$2.85200×10^{16}
IDC Error ellipse: s-maj=12.7km s-min=9.2km az=76.0.

(227) Eastern Honshu
ISC VI 05 06 40 17.7–.97 36.64N–.03 139.42E–.04 13–7 3.6b 20 0-60
IDC VI 05 06 40 15.1–1.5 36.78N 139.48E 0 3.7,3.6b **¶610661468**
JMA VI 05 06 40 17.9–.02 36.65N–.07 139.4E–.10 5–0 3.4,3.6b
ISC Event type ke.
JMA Event type fe. TOCHIGI GUNMA BORDER .

(228) Near east coast of eastern Honshu
ISC VI 07 16 11 44.8–1.3 36.56N–.04 140.97E–.06 26–8 3.7b 45 0-147
IDC VI 07 16 11 40.0–1.1 36.46N 141.24E 0 3.7,3.7b **¶610764474**
NIED VI 07 16 11 44.0 36.52N 140.99E 34 3.7W,3.7b
JMA VI 07 16 11 44.0–.10 36.5N–.20 141.0E–.60 34–1 3.5,3.7b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-0.29 $M_{\theta\theta}$-3.44 $M_{\phi\phi}$3.73 $M_{r\theta}$0.89 $M_{\theta\phi}$-1.59 $M_{\phi r}$1.89 NP1:ϕ_s213.00000°,δ90.00000°,λ-28.00000°. NP2:ϕ_s303.00000°,δ62.00000°,λ-180.00000°. $M_0$4.44000×10^{14}
JMA Event type fe. E OFF IBARAKI PREF .

(228) Near east coast of eastern Honshu
ISC VI 08 00 25 30.6–.34 35.59N–.03 140.65E–.03 51–2 4.9b,4.0s 850 0-153
MOS VI 08 00 25 28.4–1.0 35.56N 140.64E 44 5.1b,4.0s **¶617195261**
BJI VI 08 00 25 28.3–.00 35.61N 140.73E 61 4.8b,4.8b
JMA VI 08 00 25 30.0–.19 35.7N–.60 140.7E–.70 51–1 5.0W,4.7
NEIC VI 08 00 25 29.9–1.6 35.59N–.04 140.69E–.06 39–5 5.0b,4.9
NIED VI 08 00 25 30.0 35.65N 140.68E 51 5.0W,4.9
NEIC VI 08 00 25 29.7 35.58N 140.71E 37 5.0W,4.9
GCMT VI 08 00 25 31.9–.30 35.57N–.02 140.79E–.02 46–0 5.0W,4.9
IDC VI 08 00 25 31.7–1.3 35.55N 140.51E 56–12 4.6,4.3b
ISC Event type ke.
MOS Error ellipse: s-maj=6.8km s-min=3.8km az=123.6.
JMA Event type fe. NEAR CHOSHI CITY .
NEIC Event type se. Error ellipse: s-maj=8.2km s-min=2.8km az=129.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-1.02 $M_{\theta\theta}$0.08 $M_{\phi\phi}$0.94 $M_{r\theta}$0.05 $M_{\theta\phi}$-0.21 $M_{\phi r}$2.57 NP1:ϕ_s180.14000°,δ79.54000°,λ-85.54000°. NP2:ϕ_s336.89000°,δ11.36000°,λ-112.84000°. Principal axes: T 2.7171,Plg34.0000°,Azm266.0000°; N 0.0806,Plg4.0000°,Azm359.0000°; P -2.7977,Plg55.0000°,Azm96.0000° $M_0$2.76000×10^{16}
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}1.83 $M_{\theta\theta}$-0.39 $M_{\phi\phi}$-1.44 $M_{r\theta}$0.39 $M_{\theta\phi}$-0.08 $M_{\phi r}$2.79 NP1:ϕ_s7.00000°,δ75.00000°,λ91.00000°. NP2:ϕ_s183.00000°,δ15.00000°,λ86.00000°. $M_0$3.26000×10^{16}
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s61,c85; s99,c147;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}4.12±.16 $M_{\theta\theta}$-0.66±.11; $M_{\phi\phi}$-3.46±.10; $M_{r\theta}$0.00±.08; $M_{\theta\phi}$-0.67±.07; $M_{\phi r}$2.03±.08; Best double couple: NP1:ϕ_s7.00000°,δ59.00000°,λ85.00000°. NP2:ϕ_s197.00000°,δ32.00000°,λ98.00000°. Principal axes: T 4.6340,Plg76.0000°,Azm263.0000°; N -0.5420,Plg4.0000°,Azm10.0000°; P -4.0930,Plg14.0000°,Azm101.0000° $M_0$4.36400×10^{16}
IDC Error ellipse: s-maj=12.0km s-min=8.0km az=95.0.

(662) Sakhalin Island
ISC VI 08 19 08 07.5–.59 46.96N–.02 142.56E–.03 14–3 4.3b,3.4s 195 0-89
IDC VI 08 19 08 03.6–.58 46.85N 142.56E 0 4.0b,3.9 **¶610668099**
JMA VI 08 19 08 04.1–.31 47N–1.0 143E–2.0 0 4.5,3.9
MOS VI 08 19 08 04.4–1.2 46.92N 142.42E 7 4.5b,3.9
NIED VI 08 19 08 04.1 47.08N 142.92E 0 4.0W,3.9
SKHL VI 08 19 08 06.2–.40 46.97N 142.48E 10–2 4.8b,4.2s
NEIC VI 08 19 08 07.2–1.5 46.93N–.08 142.38E–.08 10–1 4.4b,4.2s
ISC Event type ke.
JMA Event type ke. SOUTH SAKHALIN .
MOS Event type fe. Felt (IV) at Troitskoye; (III-IV) at Dal'neye, Yolochki, Sanatornyy, Uspenskoye, Yuzhno-Sakhalinsk; (III) at Lugovoye, Novoaleksandrovsk, Novaya Derevnya; (II-III) at Sinegorsk; (II) at Aniva, Bykov, Korsakov, Pravda, Tretya Pad', Uglezavodsk, Kholmsk, Shebunino, Chaplanovo. Moment Tensor Solution.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}1.07 $M_{\theta\theta}$-0.06 $M_{\phi\phi}$-1.01 $M_{r\theta}$-0.02 $M_{\theta\phi}$-0.51 $M_{\phi r}$0.39 NP1:ϕ_s14.00000°,δ54.00000°,λ78.00000°. NP2:ϕ_s214.00000°,δ37.00000°,λ106.00000°. $M_0$1.22000×10^{15}
SKHL Event type fe. Felt (III-IV) at Sanatorniy, Dal'nee, (III) at Elochki, Uspenovka, Troiyskoye, (II-III) at Yuzhno-Sakhalinsk, Aniva, Novoaleksandrovsk, Sinegorsk, Ogon'ki, (II) at Kholmsk, Pravda, Korsakov, Shebunino, Chaplanovo, Bykov, Uglezavodsk, Dolinsk.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(225) Off southeast coast of Hokkaido
ISC VI 08 22 01 17.9–1.5 42.68N–.05 146.88E–.05 26–10 4.3b,3.6s 194 1-94
IDC VI 08 22 01 13.7–.80 42.65N 146.99E 0 4.4,4.4b **¶610668105**
MOS VI 08 22 01 17.4–1.1 42.68N 147.01E 39 4.5b,4.4b
SKHL VI 08 22 01 19.0–.20 42.70N 146.90E 56–3 5.3b,4.4b
NIED VI 08 22 01 19.1 42.68N 146.74E 56 4.1W,4.4b
JMA VI 08 22 01 19.1–.19 42.7N–.50 147E–1.0 56–3 4.3,4.1
NEIC VI 08 22 01 20.8–2.2 42.60N–.09 146.8E–.10 45–9 4.3b,4.1
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.24 $M_{\theta\theta}$1.33 $M_{\phi\phi}$-1.09 $M_{r\theta}$1.03 $M_{\theta\phi}$-0.17 $M_{\phi r}$0.40 NP1:ϕ_s234.00000°,δ87.00000°,λ-138.00000°. NP2:ϕ_s141.00000°,δ48.00000°,λ-3.00000°. $M_0$1.62000×10^{15}
JMA Event type fe. OFF NEMURO PENINSULA .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(228) Near east coast of eastern Honshu
ISC VI 09 07 35 38.7–1.0 35.70N–.04 141.02E–.06 31–7 3.9b,3.6s 37 0-148
IDC VI 09 07 35 34.0–.68 35.59N 140.94E 0 3.9,3.9b **¶610791509**
JMA VI 09 07 35 39.0–.21 35.7N–.60 141E–1.0 35–1 3.7,3.9b
NIED VI 09 07 35 39.0 35.72N 141.01E 35 4.3W,3.9b
ISC Event type ke.
IDC Error ellipse: s-maj=21.7km s-min=14.4km az=90.0.
JMA Event type fe. NEAR CHOSHI CITY .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.67 $M_{\theta\theta}$0.75 $M_{\phi\phi}$-0.08 $M_{r\theta}$2.19 $M_{\theta\phi}$-0.52 $M_{\phi r}$1.35 NP1:ϕ_s244.00000°,δ85.00000°,λ-104.00000°. NP2:ϕ_s135.00000°,δ15.00000°,λ-19.00000°. $M_0$2.68000×10^{15}

(259) Mindanao
ISC VI 09 12 58 24.3–.46 5.50N–.02 125.20E–.03 32–3 5.1b,4.2s 793 1-163
BJI VI 09 12 58 16.5–.00 5.14N 125.42E 10 4.9b,4.7b **¶610668998**
NEIC VI 09 12 58 22.4–2.0 5.53N–.05 125.17E–.07 14–2 5.2b,4.7b
MOS VI 09 12 58 22.5–.95 5.61N 125.11E 33 5.1b,4.3s
MAN VI 09 12 58 23.2 5.48N 125.15E 23 5.8b,5.2s
GCMT VI 09 12 58 26.4–.30 5.66N–.02 125.25E–.02 34–0 5.0W,5.2s
DJA VI 09 12 58 27.3–.30 6N–2.0 125E–2.0 56–3 5.4b,5.4
IDC VI 09 12 58 29.7–.98 5.61N 125.24E 86–8 4.6,4.3b
ISC Event type fe.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=7.4km az=95.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=10.7km s-min=5.2km az=117.3.
MAN Event type fe. INTENSITY III - SARANGANI DAVAO OCCIDENTAL; INTENSITY II - GENERAL SANTOS CITY; GLAN SARANGANI.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s61,c69; s73,c95;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}4.34±.19 $M_{\theta\theta}$-0.23±.11; $M_{\phi\phi}$-4.12±.12; $M_{r\theta}$-0.60±.14; $M_{\theta\phi}$-0.75±.10; $M_{\phi r}$-0.58±.15; Best double couple: NP1:ϕ_s197.00000°,δ50.00000°,λ98.00000°. NP2:ϕ_s5.00000°,δ41.00000°,λ81.00000°. Principal axes: T 4.4450,Plg82.0000°,Azm154.0000°; N -0.1420,Plg6.0000°,Azm12.0000°; P -4.3130,Plg5.0000°,Azm281.0000° $M_0$4.37900×10^{16}
IDC Error ellipse: s-maj=14.1km s-min=7.6km az=81.0.

(235) Kyushu
ISC VI 09 14 36 24.2–.92 32.71N–.03 130.04E–.03 10–6 4.6b,3.4s 223 0-126
IDC VI 09 14 36 21.1–.76 32.65N 129.97E 0 3.9,3.9b **¶610669139**
NIED VI 09 14 36 23.7 32.72N 130.03E 16 4.3W,3.9b
JMA VI 09 14 36 23.7–.05 32.7N–.10 130.0E–.20 16–0 4.3W,4.3
NEIC VI 09 14 36 26.3–1.6 32.99N–.06 130.07E–.04 12–5 4.7b,4.3
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-1.70 $M_{\theta\theta}$3.04 $M_{\phi\phi}$-1.34 $M_{r\theta}$-0.62 $M_{\theta\phi}$0.47 $M_{\phi r}$1.39 NP1:ϕ_s117.00000°,δ63.00000°,λ-43.00000°. NP2:ϕ_s230.00000°,δ53.00000°,λ-145.00000°. $M_0$3.08000×10^{15}
JMA Event type fe. NEAR UNZENDAKE .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(228) Near east coast of eastern Honshu
ISC VI 09 19 34 14.4–.32 40.13N–.03 142.59E–.04 39–2 4.7b,4.0s 560 1-116
BJI VI 09 19 34 09.3–.00 40.11N 142.93E 29 4.8b,4.7b **¶610758972**
NEIC VI 09 19 34 12.4–2.9 40.22N–.04 142.67E–.07 15–4 4.7b,4.7b
JMA VI 09 19 34 14.9–.12 40.2N–.30 142.5E–.60 32–1 4.6,4.5
MOS VI 09 19 34 14.4–.85 40.22N 142.49E 45 5.0b,4.2s
BGR VI 09 19 34 14.7 40.57N 144.15E 33 4.9b,4.0s
NIED VI 09 19 34 14.9 40.15N 142.50E 32 4.4W,4.0s
IDC VI 09 19 34 16.3–1.5 40.14N 142.53E 50–13 4.5,4.2b
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=8.2km s-min=5.7km az=115.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. NE OFF IWATE PREF .
MOS Error ellipse: s-maj=6.2km s-min=4.1km az=111.2.
BGR Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}2.48 $M_{\theta\theta}$-0.38 $M_{\phi\phi}$-2.09 $M_{r\theta}$1.47 $M_{\theta\phi}$-0.25 $M_{\phi r}$3.01 NP1:ϕ_s22.00000°,δ73.00000°,λ97.00000°. NP2:ϕ_s181.00000°,δ18.00000°,λ70.00000°. $M_0$4.06000×10^{15}
IDC Error ellipse: s-maj=15.8km s-min=9.6km az=109.0.

(246) Southwestern Ryukyu Islands
ISC VI 10 06 51 47.6–1.1 23.97N–.06 123.58E–.03 33–6 4.3b 74 0-84
IDC VI 10 06 51 42.8–.80 24.05N 123.47E 0 4.1,4.1b **¶610764476**
NEIC VI 10 06 51 47.1–1.8 23.92N–.07 123.63E–.10 26–7 4.5b,4.1b
NIED VI 10 06 51 48.3 23.95N 123.59E 33 4.3W,4.1b
JMA VI 10 06 51 48.3–.20 24.0N–.90 123.6E–.60 33–1 4.3,4.1
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-1.38 $M_{\theta\theta}$-1.63 $M_{\phi\phi}$0.25 $M_{r\theta}$1.73 $M_{\theta\phi}$-1.04 $M_{\phi r}$1.32 NP1:ϕ_s53.00000°,δ72.00000°,λ78.00000°. NP2:ϕ_s267.00000°,δ22.00000°,λ122.00000°. $M_0$2.80000×10^{15}
JMA Event type fe. NEAR ISHIGAKIJIMA ISLAND.

(224) Hokkaido region
ISC VI 10 07 31 11.6–.46 42.37N–.04 144.95E–.03 31–2 4.8b,4.2s 655 1-151
IDC VI 10 07 31 06.3–.45 42.44N 144.97E 0 4.4,4.4b **¶611834084**
BJI VI 10 07 31 07.7–.00 42.41N 145.02E 21 4.9b,4.9b
NEIC VI 10 07 31 11.8–1.6 42.36N–.07 144.9E–.10 27–5 4.8b,4.5
MOS VI 10 07 31 11.3–1.0 42.27N 144.83E 44 5.0b,4.0s
SKHL VI 10 07 31 11.6–.30 42.20N 145.00E 53–4 5.3b,4.2s
JMA VI 10 07 31 12.4–.06 42.4N–.20 144.8E–.60 34–0 4.6W,4.6
NIED VI 10 07 31 12.4 42.35N 144.82E 34 4.7W,4.6
NEIC VI 10 07 31 13.1 42.36N 144.80E 36 4.7W,4.6
BGR VI 10 07 31 14.2 42.48N 144.70E 33 4.7b,4.6
ISC Event type ke.
IDC Error ellipse: s-maj=12.6km s-min=10.6km az=144.0.
NEIC Event type se. Error ellipse: s-maj=12.6km s-min=9.3km az=120.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-2.51 $M_{\theta\theta}$-0.69 $M_{\phi\phi}$3.20 $M_{r\theta}$3.17 $M_{\theta\phi}$1.40 $M_{\phi r}$4.16 NP1:ϕ_s352.05000°,δ19.31000°,λ-132.40000°. NP2:ϕ_s216.10000°,δ75.86000°,λ-76.71000°. Principal axes: T 6.4809,Plg30.0000°,Azm295.0000°; N -0.7276,Plg13.0000°,Azm33.0000°; P -5.7534,Plg57.0000°,Azm144.0000° $M_0$6.15000×10^{15}
MOS Error ellipse: s-maj=7.0km s-min=4.9km az=100.0.
JMA Event type fe. SE OFF TOKACHI .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}0.69 $M_{\theta\theta}$-0.14 $M_{\phi\phi}$-0.55 $M_{r\theta}$0.29 $M_{\theta\phi}$-0.44 $M_{\phi r}$0.69 NP1:ϕ_s25.00000°,δ67.00000°,λ83.00000°. NP2:ϕ_s223.00000°,δ24.00000°,λ106.00000°. $M_0$1.06000×10^{16}
NEIC Event type se.
BGR Event type ke.

(228) Near east coast of eastern Honshu
ISC VI 10 08 00 02.7–.82 35.77N–.03 140.21E–.05 71–6 3.9b 41 0-75
IDC VI 10 07 59 59.2–3.4 35.84N 140.26E 35–26 3.7,3.6b **¶610791584**
JMA VI 10 08 00 03.3–.20 35.8N–.50 140.2E–.70 61–1 3.5,3.6b
ISC Event type ke.
JMA Event type fe. NORTHERN CHIBA PREF .

(221) Kuril Islands
ISC VI 10 09 18 39.7–1.6 43.30N–.09 146.35E–.06 31–12 23 0-2
JMA VI 10 09 18 40.9–.24 43.3N–.70 146E–1.0 45–1 3.6 **¶614845361**
SKHL VI 10 09 18 41.0–.20 43.30N 146.30E 30–4 4.7b
ISC Event type ke.
JMA Event type fe. OFF NEMURO PENINSULA .

(228) Near east coast of eastern Honshu
ISC VI 10 12 05 47.5–.70 40.83N–.03 141.70E–.05 74–6 4.2b 122 0-147
NIED VI 10 12 05 47.2 40.84N 141.74E 72 4.2W **¶610669512**
JMA VI 10 12 05 47.2–.11 40.8N–.20 141.7E–.70 72–0 4.2,4.1
NEIC VI 10 12 05 48.7–2.7 40.79N–.07 141.65E–.10 74–3 4.3b,4.1
IDC VI 10 12 05 48.7–1.3 40.77N 141.67E 90–11 4.1,3.8b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.55 $M_{\theta\theta}$2.21 $M_{\phi\phi}$-1.66 $M_{r\theta}$-0.40 $M_{\theta\phi}$-0.43 $M_{\phi r}$-0.95 NP1:ϕ_s55.00000°,δ74.00000°,λ-153.00000°. NP2:ϕ_s317.00000°,δ64.00000°,λ-18.00000°. $M_0$2.29000×10^{15}
JMA Event type fe. E OFF AOMORI PREF .
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=7.7km az=128.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=15.9km s-min=9.1km az=108.0.

(228) Near east coast of eastern Honshu
ISC VI 10 22 52 14.4–1.7 36.69N–.04 141.90E–.05 11–10 3.8b 62 1-147
JMA VI 10 22 52 17.6–.22 36.8N–.60 142E–1.0 48–3 4.3,4.0 **¶610764478**
NIED VI 10 22 52 17.6 36.75N 141.77E 48 3.9W,4.0
IDC VI 10 22 52 17.8–3.8 36.66N 141.88E 34–30 3.9,3.7b
ISC Event type ke.
JMA Event type fe. E OFF FUKUSHIMA PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-7.17 $M_{\theta\theta}$6.77 $M_{\phi\phi}$0.40 $M_{r\theta}$-1.34 $M_{\theta\phi}$3.40 $M_{\phi r}$4.53 NP1:ϕ_s221.00000°,δ54.00000°,λ-126.00000°. NP2:ϕ_s92.00000°,δ49.00000°,λ-51.00000°. $M_0$9.00000×10^{14}
IDC Error ellipse: s-maj=19.6km s-min=15.5km az=112.0.

(238) Ryukyu Islands
ISC VI 11 02 15 59.8–.79 26.66N–.05 127.77E–.05 50–7 3.9b 30 0-76
IDC VI 11 02 15 59.4–1.6 26.72N 127.88E 45–19 3.9,3.6b **¶610791633**
JMA VI 11 02 16 00.1–.18 26.7N–.50 127.8E–.50 47–2 3.3,3.6b
ISC Event type ke.
JMA Event type fe. NEAR OKINAWAJIMA ISLAND .

(224) Hokkaido region
ISC VI 11 10 47 02.3–.84 42.13N–.06 143.40E–.04 44–6 3.6b,3.6s 38 0-86
MOS VI 11 10 47 02.2–1.0 42.13N 143.34E 63 4.1b,3.6s **¶610764479**
JMA VI 11 10 47 03.1–.14 42.2N–.50 143.4E–.70 41–1 3.5,3.6s
NIED VI 11 10 47 03.1 42.19N 143.36E 41 3.8W,3.6s
IDC VI 11 10 47 04.4–2.3 42.17N 143.33E 62–18 3.7,3.4b
ISC Event type ke.
MOS Error ellipse: s-maj=19.0km s-min=10.3km az=68.8.
JMA Event type fe. SE OFF TOKACHI .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}3.69 $M_{\theta\theta}$-1.47 $M_{\phi\phi}$-2.23 $M_{r\theta}$4.71 $M_{\theta\phi}$-2.04 $M_{\phi r}$2.58 NP1:ϕ_s57.00000°,δ73.00000°,λ101.00000°. NP2:ϕ_s204.00000°,δ20.00000°,λ58.00000°. $M_0$6.58000×10^{14}

IDC Error ellipse: s-maj=25.3km s-min=14.8km az=92.0.
(249) Luzon
ISC VI 11 15 24 19.9–.80 17.70N–.02 120.21E–.04 16–5 4.4b,3.5s 102 1-117
NEIC VI 11 15 24 06.4–1.1 16.65N–.08 121.81E–.06 10–1 4.6b,3.5s **¶610669649**
MAN VI 11 15 24 24.2 17.86N 120.32E 15 5.2b,4.3s
IDC VI 11 15 24 29.2–1.9 17.72N 120.46E 106–20 4.2,3.8b
ISC Event type fe.
NEIC Event type se. Error ellipse: s-maj=15.3km s-min=6.9km az=154.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN Event type fe. INTENSITY IV - SINAIT ILOCOS SUR ; INTENSITY III - VIGAN ILOCOS SUR; BANTAY ILOCOS SUR.
IDC Error ellipse: s-maj=20.3km s-min=11.6km az=71.0.
(228) Near east coast of eastern Honshu
ISC VI 11 21 26 35.0–2.0 37.13N–.05 141.47E–.08 12–10 3.7s,3.6b 32 1-147
IDC VI 11 21 26 34.0–2.9 37.16N 141.43E 0 3.8b,3.7 **¶610764481**
JMA VI 11 21 26 34.6–.17 37.1N–.30 141.5E–.80 28–1 3.9,3.7
NIED VI 11 21 26 34.6 37.10N 141.49E 28 3.9W,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=60.9km s-min=16.1km az=155.0.
JMA Event type fe. E OFF FUKUSHIMA PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-7.34 $M_{\theta\theta}$0.12 $M_{\phi\phi}$7.21 $M_{r\theta}$0.12 $M_{\theta\phi}$2.96 $M_{\phi r}$1.07 NP1:ϕ_s198.00000°,δ49.00000°,λ-93.00000°. NP2:ϕ_s22.00000°,δ41.00000°,λ-87.00000°. $M_0$7.89000×10^{14}
(235) Kyushu
ISC VI 12 06 53 18.9–.94 31.61N–.04 130.78E–.06 95–7 3.6b 25 0-69
IDC VI 12 06 53 18.8–1.0 31.64N 130.47E 91–13 3.7,3.2b **¶610791703**
JMA VI 12 06 53 19.6–.08 31.6N–.20 130.9E–.30 90–0 3.3,3.2b
ISC Event type ke.
JMA Event type fe. OSUMI PENINSULA REGION .
(230) Near south coast of eastern Honshu
ISC VI 12 09 34 10.0–.96 35.58N–.04 138.97E–.05 16–10 17 0-3
JMA VI 12 09 34 09.5–.08 35.6N–.20 139.0E–.20 24–0 3.1 **¶612490014**
ISC Event type ke.
JMA Event type fe. EASTERN YAMANASHI PREF .
(228) Near east coast of eastern Honshu
ISC VI 12 19 04 22.7–.70 35.73N–.04 140.16E–.05 71–6 4.3b 105 0-118
NEIC VI 12 19 04 22.9–.89 35.74N–.05 140.13E–.08 70–7 4.5b **¶610760938**
IDC VI 12 19 04 22.6–1.3 35.67N 140.17E 69–12 4.1,3.8b
JMA VI 12 19 04 23.1–.21 35.8N–.50 140.1E–.80 63–1 3.8,3.8b
NIED VI 12 19 04 23.1 35.79N 140.10E 63 4.1W,3.8b
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=3.8km az=121.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=17.5km s-min=7.1km az=73.0.
JMA Event type fe. NORTHERN CHIBA PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}1.09 $M_{\theta\theta}$0.11 $M_{\phi\phi}$-1.21 $M_{r\theta}$0.42 $M_{\theta\phi}$0.28 $M_{\phi r}$0.79 NP1:ϕ_s11.00000°,δ64.00000°,λ112.00000°. NP2:ϕ_s147.00000°,δ34.00000°,λ52.00000°. $M_0$1.49000×10^{15}
(228) Near east coast of eastern Honshu
ISC VI 13 04 22 25.7–2.0 38.70N–.05 142.40E–.08 14–10 3.9b 39 1-73
NIED VI 13 04 22 28.7 38.70N 142.27E 39 3.9W **¶610764484**
JMA VI 13 04 22 28.7–.12 38.7N–.30 142.3E–.70 39–1 4.1,4.0
IDC VI 13 04 22 30.2–2.6 38.71N 142.46E 59–20 3.9,3.6b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}3.86 $M_{\theta\theta}$0.04 $M_{\phi\phi}$-3.90 $M_{r\theta}$0.84 $M_{\theta\phi}$-1.13 $M_{\phi r}$7.15 NP1:ϕ_s8.00000°,δ75.00000°,λ86.00000°. NP2:ϕ_s203.00000°,δ15.00000°,λ105.00000°. $M_0$8.25000×10^{14}
JMA Event type fe. E OFF MIYAGI PREF .
IDC Error ellipse: s-maj=27.0km s-min=11.9km az=107.0.
(228) Near east coast of eastern Honshu
ISC VI 13 13 51 26.9–1.1 35.52N–.05 141.09E–.06 19–3 3.5b 24 0-147
IDC VI 13 13 51 23.3–1.0 35.41N 141.37E 0 3.6,3.6b **¶610764486**
JMA VI 13 13 51 26.4–.18 35.5N–.50 141.0E–.80 22–1 4.0,4.0
NIED VI 13 13 51 26.4 35.50N 140.97E 22 3.8W,4.0
ISC Event type ke.
IDC Error ellipse: s-maj=25.2km s-min=19.3km az=72.0.
JMA Event type fe. NEAR CHOSHI CITY .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-3.56 $M_{\theta\theta}$-0.62 $M_{\phi\phi}$4.17 $M_{r\theta}$-3.12 $M_{\theta\phi}$-2.02 $M_{\phi r}$-0.71 NP1:ϕ_s129.00000°,δ58.00000°,λ-133.00000°. NP2:ϕ_s10.00000°,δ52.00000°,λ-43.00000°. $M_0$5.38000×10^{14}
(212) Bonin Islands region
ISC VI 13 14 31 57.7–.35 28.05N–.04 139.78E–.05 441–3 4.6b 762 2-165
BGR VI 13 14 31 08.7 26.96N 139.82E 33 5.1b **¶617195263**
BJI VI 13 14 31 56.1–.00 27.99N 139.76E 443 5.1b,4.6b
NEIC VI 13 14 31 58.0–1.4 28.03N–.09 139.7E–.10 438–6 4.6b,4.6b
NIED VI 13 14 31 57.7 28.16N 140.22E 441 4.7W,4.6b
JMA VI 13 14 31 57.7–.34 28N–1.0 140E–3.0 441–4 5.4,4.7
IDC VI 13 14 31 58.1–.52 28.01N 139.73E 445–5 5.0,4.2b
ISC Event type ke.
BGR Event type ke.
NEIC Event type se. Error ellipse: s-maj=14.8km s-min=12.6km az=109.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.96 $M_{\theta\theta}$1.03 $M_{\phi\phi}$-0.07 $M_{r\theta}$-0.09 $M_{\theta\phi}$-0.37 $M_{\phi r}$-0.70 NP1:ϕ_s315.00000°,δ56.00000°,λ-53.00000°. NP2:ϕ_s81.00000°,δ49.00000°,λ-132.00000°. $M_0$1.26000×10^{16}
JMA Event type fe. W OFF OGASAWARA .
IDC Error ellipse: s-maj=8.1km s-min=6.0km az=77.0.
(236) Shikoku
ISC VI 14 10 24 33.8–.54 33.80N–.04 133.43E–.03 36–1 4.3b 225 0-97
BJI VI 14 10 24 26.9–.00 33.76N 133.72E 20 4.8b,4.5b **¶610673078**
IDC VI 14 10 24 33.0–2.3 33.76N 133.42E 33–18 4.0,3.8b
NEIC VI 14 10 24 33.2–.96 33.85N–.07 133.39E–.06 27–6 4.4b,3.8b
JMA VI 14 10 24 33.4–.04 33.8N–.10 133.4E–.10 38–0 4.5,4.4
NIED VI 14 10 24 33.4 33.80N 133.43E 38 4.4W,4.4
ISC Event type ke.
IDC Error ellipse: s-maj=21.0km s-min=11.0km az=163.0.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=6.9km az=160.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. NE EHIME PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.20 $M_{\theta\theta}$-4.55 $M_{\phi\phi}$4.35 $M_{r\theta}$-0.28 $M_{\theta\phi}$1.03 $M_{\phi r}$1.83 NP1:ϕ_s320.00000°,δ80.00000°,λ161.00000°. NP2:ϕ_s53.00000°,δ72.00000°,λ10.00000°. $M_0$4.92000×10^{15}
(259) Mindanao
ISC VI 16 01 44 15.9–.43 8.24N–.03 126.72E–.05 64–3 4.8b 457 0-163
MAN VI 16 01 44 12.5 8.31N 126.81E 17 5.6b,4.9s **¶610675489**
BJI VI 16 01 44 12.6–.00 8.16N 126.74E 62 4.9b,4.7b
DJA VI 16 01 44 15.0–.90 8N–7.0 127E–4.0 49–5 5.4b,5.3
IDC VI 16 01 44 17.5–1.3 8.34N 126.60E 80–12 4.6,4.3b
NEIC VI 16 01 44 18.5–1.6 8.30N–.07 126.55E–.09 81–6 4.9b,4.3b
ISC Event type fe.
MAN Event type fe. INTENSITY IV - BISLIG CITY; INTENSITY II - HINATUAN SURIGAO DEL SUR.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(228) Near east coast of eastern Honshu
ISC VI 16 06 43 27.6–.87 35.73N–.05 140.74E–.07 55–6 3.7b 32 0-75
IDC VI 16 06 43 19.0–1.1 35.75N 141.25E 0 3.7,3.7b **¶610760954**
JMA VI 16 06 43 27.7–.19 35.7N–.50 140.6E–.70 50–1 3.2,3.7b
ISC Event type ke.
JMA Event type fe. NEAR CHOSHI CITY .
(235) Kyushu
ISC VI 16 13 39 50.9–.40 31.83N–.03 131.77E–.04 27–2 4.7b,4.0s 348 0-115
BJI VI 16 13 39 44.1–.00 31.36N 132.42E 42 4.7b,4.6b **¶610678622**
NIED VI 16 13 39 51.4 31.89N 131.83E 28 4.5W,4.6b
IDC VI 16 13 39 52.0–.45 31.90N 131.59E 35–3 4.4,4.2b
JMA VI 16 13 39 51.4–.10 31.9N–.20 131.8E–.60 28–1 4.6,4.5W
NEIC VI 16 13 39 52.7–2.1 31.87N–.07 131.78E–.07 31–5 4.7b,4.5W
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}4.41 $M_{\theta\theta}$-0.36 $M_{\phi\phi}$-4.05 $M_{r\theta}$3.09 $M_{\theta\phi}$-1.46 $M_{\phi r}$3.78 NP1:ϕ_s34.00000°,δ69.00000°,λ101.00000°. NP2:ϕ_s186.00000°,δ23.00000°,λ64.00000°. $M_0$6.63000×10^{15}
JMA Event type fe. HYUGANADA REGION .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(361) Crimea region
ISC VI 16 18 17 33.8–.82 44.94N–.04 36.85E–.02 32–6 4.1b,3.2s 449 0-128
PRU VI 16 18 17 28.8 44.18N 37.39E 0 4.4,3.2s **¶611834124**
NEIC VI 16 18 17 32.5–2.1 44.89N–.06 36.91E–.07 15–2 4.2b,3.2s
IDC VI 16 18 17 33.3–1.6 44.79N 36.84E 31–13 4.2L,4.0
MCSM VI 16 18 17 33.4–.50 45N–3.0 37E–5.0 14–3 4.3b,4.0
MOS VI 16 18 17 34.3–.00 44.81N 36.86E 34–0 4.7,4.0
SIGU VI 16 18 17 34.8 44.72N 36.74E 9 4.7,4.0
CFUSG VI 16 18 17 34.8 44.72N 36.74E 9 3.0b,4.0
NAO VI 16 18 17 39.8 44.19N 34.06E 33 3.9b,4.0
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.0km s-min=7.0km az=183.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=8.4km s-min=5.9km az=6.0.
MOS Event type se. FELT I=III-IV MSK at Anapa, Su-Pseh, Krymsk, Novorossiisk.
SIGU Black Sea District 5.
CFUSG Black sea district 5. Magtype MSH 3.0 from 6 stations.
(212) Bonin Islands region
ISC VI 16 19 05 59.5–.33 27.82N–.03 139.57E–.04 520–3 4.6b 852 2-152
NIED VI 16 19 05 58.1 27.87N 139.79E 525 4.8W **¶610678711**
MOS VI 16 19 05 58.5–.93 27.82N 139.51E 522 4.4b
JMA VI 16 19 05 58.1–.31 28N–1.0 140E–2.0 525–4 5.3,4.7
NEIC VI 16 19 05 59.2–1.2 27.88N–.08 139.6E–.10 517–6 4.6b,4.7
BJI VI 16 19 05 59.4–.00 27.88N 139.57E 538 4.8b,4.8b
IDC VI 16 19 05 59.4–.45 27.87N 139.54E 517–5 4.9,3.9b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.87 $M_{\theta\theta}$1.38 $M_{\phi\phi}$-0.51 $M_{r\theta}$0.59 $M_{\theta\phi}$-0.07 $M_{\phi r}$-0.71 NP1:ϕ_s302.00000°,δ68.00000°,λ-55.00000°. NP2:ϕ_s61.00000°,δ40.00000°,λ-144.00000°. $M_0$1.52000×10^{16}
MOS Error ellipse: s-maj=8.4km s-min=4.8km az=99.0.
JMA Event type fe. W OFF OGASAWARA .
NEIC Event type se. Error ellipse: s-maj=13.3km s-min=11.7km az=89.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=7.9km s-min=5.4km az=90.0.
(228) Near east coast of eastern Honshu
ISC VI 17 17 16 47.0–1.2 38.24N–.05 141.76E–.07 46–8 3.8b 44 0-74
JMA VI 17 17 16 47.4–.10 38.2N–.30 141.7E–.50 51–0 3.7 **¶610792073**
IDC VI 17 17 16 48.1–2.6 38.31N 141.97E 68–22 3.6,3.4b
ISC Event type ke.
JMA Event type fe. KINKAZAN REGION .
IDC Error ellipse: s-maj=27.8km s-min=12.6km az=109.0.
(228) Near east coast of eastern Honshu
ISC VI 18 09 24 58.6–1.2 38.52N–.04 141.79E–.09 55–7 3.6b 28 0-59
IDC VI 18 09 24 49.0–2.8 38.73N 142.41E 0 3.6b,3.5s **¶610792112**
JMA VI 18 09 24 59.5–.09 38.5N–.20 141.7E–.50 53–0 3.3,3.5s
ISC Event type ke.
JMA Event type fe. KINKAZAN REGION .
(228) Near east coast of eastern Honshu
ISC VI 18 11 10 46.9–1.5 40.27N–.04 142.24E–.07 31–11 3.2s 27 0-72
IDC VI 18 11 10 42.4–2.2 40.23N 142.09E 0 3.4b,3.3 **¶610792120**
JMA VI 18 11 10 47.4–.10 40.3N–.30 142.3E–.60 38–0 3.6,3.3
ISC Event type ke.
JMA Event type fe. NE OFF IWATE PREF .
(236) Shikoku
ISC VI 18 13 33 41.0–1.1 33.04N–.04 132.15E–.03 34–2 24 0-56
IDC VI 18 13 33 36.6–1.6 32.94N 132.16E 0 3.7,3.2b **¶610764490**
NIED VI 18 13 33 40.6 33.13N 132.06E 50 4.0W,3.2b
JMA VI 18 13 33 40.6–.06 33.1N–.20 132.1E–.20 50–0 3.8,3.7
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.48 $M_{\theta\theta}$-1.29 $M_{\phi\phi}$0.81 $M_{r\theta}$-0.06 $M_{\theta\phi}$0.51 $M_{\phi r}$0.42 NP1:ϕ_s323.00000°,δ73.00000°,λ154.00000°. NP2:ϕ_s62.00000°,δ65.00000°,λ19.00000°. $M_0$1.29000×10^{15}
JMA Event type fe. BUNGO CHANNEL .
(259) Mindanao
MAN VI 18 14 50 15.2 9.88N 124.05E 5 4.6b,3.4L
¶617049888
MAN Event type fe. INTENSITY III - SAGBAYAN AND CLARIN BOHOL.
(228) Near east coast of eastern Honshu
ISC VI 18 16 23 48.0–.70 36.38N–.04 140.10E–.05 77–6 4.3b 119 0-152
JMA VI 18 16 23 48.9–.10 36.3N–.30 140.1E–.40 72–0 4.1,3.8 **¶610681488**
NIED VI 18 16 23 48.9 36.34N 140.05E 72 4.1W,3.8
NEIC VI 18 16 23 49.2–1.0 36.41N–.04 140.01E–.09 84–6 4.3b,3.8
IDC VI 18 16 23 49.8–1.3 36.31N 139.91E 91–12 4.1,3.7b
ISC Event type ke.
JMA Event type fe. SW IBARAKI PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}1.23 $M_{\theta\theta}$-0.31 $M_{\phi\phi}$-0.92 $M_{r\theta}$0.53 $M_{\theta\phi}$-0.50 $M_{\phi r}$0.52 NP1:ϕ_s37.00000°,δ61.00000°,λ98.00000°. NP2:ϕ_s202.00000°,δ30.00000°,λ76.00000°. $M_0$1.42000×10^{15}
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=6.2km az=93.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=18.2km s-min=10.0km az=60.0.
(227) Eastern Honshu
ISC VI 18 20 51 29.6–.58 37.10N–.03 140.61E–.03 17–3 4.5b,3.1s 372 0-147
IDC VI 18 20 51 27.7–.52 37.10N 140.46E 0 4.4b,4.3 **¶610681610**
MOS VI 18 20 51 27.3–.97 37.14N 140.52E 10 4.7b,4.3
NEIC VI 18 20 51 28.6–2.3 37.08N–.02 140.64E–.08 10–1 4.5b,4.3
JMA VI 18 20 51 29.3–.03 37.1N–.10 140.6E–.20 6–0 4.5,4.3W
NIED VI 18 20 51 29.3 37.09N 140.60E 6 4.2W,4.3W
BJI VI 18 20 51 31.1–.00 37.11N 140.63E 41 4.7b,4.3b
ISC Event type ke.
IDC Error ellipse: s-maj=14.9km s-min=11.8km az=89.0.
MOS Error ellipse: s-maj=9.3km s-min=5.7km az=96.7.
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=3.0km az=96.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. EASTERN FUKUSHIMA PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-1.96 $M_{\theta\theta}$1.05 $M_{\phi\phi}$0.91 $M_{r\theta}$-0.52 $M_{\theta\phi}$-0.84 $M_{\phi r}$0.82 NP1:ϕ_s139.00000°,δ58.00000°,λ-84.00000°. NP2:ϕ_s307.00000°,δ32.00000°,λ-100.00000°. $M_0$2.12000×10^{15}
(259) Mindanao
MAN VI 19 05 40 13.0 9.78N 125.39E 6 4.7b,3.5L
¶617049895
MAN Event type fe. INTENSITY II - SURIGAO CITY; SAN FRANCISCO SURIGAO DEL NORTE.
(249) Luzon
ISC VI 19 06 08 41.3–1.1 15.09N–.03 119.96E–.08 64–10 4.0b 35 1-86
MAN VI 19 06 08 40.4 15.10N 119.93E 28 5.1b,4.1s **¶610760969**
IDC VI 19 06 08 45.9–1.1 15.03N 120.32E 110–10 4.0,3.6b
ISC Event type fe.
MAN Event type fe. INTENSITY III - SAN FELIPE AND CASTILLEJOS ZAMBALES; INTENSITY II - IBA ZAMBALES.
IDC Error ellipse: s-maj=50.1km s-min=17.2km az=59.0.
(228) Near east coast of eastern Honshu
ISC VI 19 12 38 51.5–1.5 36.26N–.04 141.01E–.07 39–5 25 0-60
IDC VI 19 12 38 48.4–2.9 35.85N 140.88E 0 3.2,3.2b **¶610792193**
JMA VI 19 12 38 51.9–.14 36.3N–.30 140.9E–.80 45–1 3.2,3.2b
ISC Event type ke.
JMA Event type fe. E OFF IBARAKI PREF .
(259) Mindanao
ISC VI 19 17 53 39.9–1.3 8.09N–.03 123.02E–.04 14–8 3.8b,2.8s 74 0-86
MAN VI 19 17 53 39.5 8.06N 123.00E 11 5.1b,4.2s **¶610792203**
DJA VI 19 17 53 43.6–1.1 8N–9.0 123E–6.0 10 5.1b,5.1b

IDC VI 19 17 53 50.6–1.9 8.23N 123.56E 111–19 3.9,3.5b
ISC Event type fe.
MAN Event type fe. INTENSITY IV - PAGADIAN CITY; SINDANGAN PRES. MANUEL ROXAS AND LEON POSTIGO ZAMBOANGA DEL ; NORTE; INTENSITY II - JOSE DALMAN AND MANUKAN ZAMBOANGA DEL NORTE.
IDC Error ellipse: s-maj=33.3km s-min=12.6km az=60.0.

(249) Luzon
ISC VI 19 18 13 13.5–1.0 18.40N–.03 120.85E–.03 11–7 4.2b,2.9s 95 0-88
MAN VI 19 18 13 13.5 18.39N 120.84E 7 5.2b,4.3s **¶610760972**
NEIC VI 19 18 13 19.5–2.6 18.33N–.09 121.0E–.10 62–8 4.2b,4.3s
IDC VI 19 18 13 20.4–2.5 18.22N 120.90E 68–25 3.9,3.6b
ISC Event type fe.
MAN Event type fe. INTENSITY IV - BURGOS ILOCOS NORTE; INTENSITY III - PASUQUIN AND DUMALNEG ILOCOS NORTE; INTENSITY I - LAOAG CITY.
NEIC Event type se. Error ellipse: s-maj=19.6km s-min=12.2km az=83.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=26.4km s-min=12.9km az=76.0.

(249) Luzon
ISC VI 19 18 34 16.1–1.3 18.44N–.03 120.94E–.04 2–10 3.5b 40 0-44
MAN VI 19 18 34 17.4 18.43N 120.83E 6 4.8b,3.7L **¶610792205**
IDC VI 19 18 34 30.3–2.4 18.34N 121.13E 138–24 3.6,3.1b
ISC Event type fe.
MAN Event type fe. INTENSITY III - BURGOS PAGUDPUD AND PASUQUIN ILOCOS NORTE.
IDC Error ellipse: s-maj=31.5km s-min=14.3km az=71.0.

(236) Shikoku
ISC VI 20 14 27 40.6–.26 32.88N–.03 132.03E–.02 43–1 5.0b,4.4s 644 0-152
BJI VI 20 14 27 39.6–.00 32.79N 132.19E 64 5.0b,4.7b **¶610686571**
MOS VI 20 14 27 40.0–.98 32.85N 131.85E 58 5.1b,4.6s
NEIC VI 20 14 27 41.3 32.87N 132.05E 30 5.1b,4.6s
JMA VI 20 14 27 41.5–.05 32.9N–.20 132.0E–.20 42–0 5.0,4.9W
NEIC VI 20 14 27 41–2.1 32.87N–.05 132.04E–.04 37–5 5.2b,5.0
NEIC VI 20 14 27 41.3 32.77N 131.93E 30 5.2b,5.0
NIED VI 20 14 27 41.5 32.87N 132.03E 42 5.0W,5.0
GCMT VI 20 14 27 41.0–.20 32.89N–.01 131.96E–.02 26–0 5.2W,5.0
IDC VI 20 14 27 43.8–.73 32.89N 131.73E 74–6 4.5,4.3s
ISC Event type ke.
MOS Error ellipse: s-maj=7.2km s-min=4.2km az=110.0.
NEIC Event type se.
JMA Event type fe. HYUGANADA REGION .
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=5.0km az=189.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution.Duration: 1^s5 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.19 $M_{\theta\theta}$0.50 $M_{\phi\phi}$-0.31 $M_{r\theta}$3.24 $M_{\theta\phi}$0.78 $M_{\phi r}$2.53 NP1:ϕ_s231.45000°,δ86.06000°,λ-93.03000°. NP2:ϕ_s89.05000°,δ4.96000°,λ-52.51000°. Principal axes: T 4.5344,Plg41.0000°,Azm324.0000°; N -0.7583,Plg3.0000°,Azm232.0000° ; P -3.7761,Plg49.0000°,Azm138.0000° $M_0$4.16000×10^{16}
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.10 $M_{\theta\theta}$-0.39 $M_{\phi\phi}$0.49 $M_{r\theta}$2.43 $M_{\theta\phi}$0.14 $M_{\phi r}$2.36 NP1:ϕ_s226.00000°,δ89.00000°,λ-83.00000°. NP2:ϕ_s325.00000°,δ7.00000°,λ-171.00000°. $M_0$3.42000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s42,c53; s107,c154;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.38±.14 $M_{\theta\theta}$-0.24±.10; $M_{\phi\phi}$-0.14±.10; $M_{r\theta}$5.48±.31; $M_{\theta\phi}$0.28±.08; $M_{\phi r}$4.52±.28; Best double couple: NP1:ϕ_s51.00000°,δ89.00000°,λ89.00000°. NP2:ϕ_s284.00000°,δ1.00000°,λ143.00000°. Principal axes: T 7.3330,Plg46.0000° ,Azm320.0000°; N -0.4540,Plg1.0000°,Azm51.0000°; P -6.8790,Plg44.0000°,Azm141.0000° $M_0$7.10600×10^{16}
IDC Error ellipse: s-maj=13.1km s-min=8.7km az=76.0.

(236) Shikoku
ISC VI 20 22 31 18.7–.99 32.80N–.04 132.10E–.03 33–6 32 0-56
IDC VI 20 22 31 14.2–1.4 32.62N 132.06E 0 3.6,3.5b **¶610764492**
NIED VI 20 22 31 18.7 32.86N 132.03E 42 3.6W,3.5b
JMA VI 20 22 31 18.7–.05 32.9N–.20 132.0E–.20 42–0 3.6,3.5b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-1.82 $M_{\theta\theta}$0.51 $M_{\phi\phi}$1.31 $M_{r\theta}$1.41 $M_{\theta\phi}$0.88 $M_{\phi r}$1.98 NP1:ϕ_s215.00000°,δ71.00000°,λ-89.00000°. NP2:ϕ_s31.00000°,δ19.00000°,λ-94.00000°. $M_0$3.06000×10^{14}
JMA Event type fe. HYUGANADA REGION .

(228) Near east coast of eastern Honshu
ISC VI 21 00 52 41.1–1.5 37.16N–.04 141.51E–.07 32–10 3.8b 53 1-58
NIED VI 21 00 52 42.1 37.19N 141.43E 47 3.7W **¶610764493**
JMA VI 21 00 52 42.1–.17 37.2N–.40 141E–1.0 47–1 3.8
NEIC VI 21 00 52 42.5–1.4 37.23N–.05 141.5E–.10 37–6 4.0b
IDC VI 21 00 52 43.2–3.8 37.05N 141.58E 59–36 3.7,3.4b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}2.56 $M_{\theta\theta}$-0.62 $M_{\phi\phi}$-1.93 $M_{r\theta}$1.57 $M_{\theta\phi}$-1.51 $M_{\phi r}$2.99 NP1:ϕ_s29.00000°,δ71.00000°,λ86.00000°. NP2:ϕ_s219.00000°,δ20.00000°,λ100.00000°. $M_0$4.35000×10^{14}
JMA Event type fe. E OFF FUKUSHIMA PREF .
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=7.6km az=95.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=29.6km s-min=15.6km az=57.0.

(228) Near east coast of eastern Honshu
ISC VI 21 08 13 49.6–.77 35.35N–.04 140.40E–.05 31–5 3.9b,2.8s 53 0-77
IDC VI 21 08 13 45.2–.94 35.28N 140.43E 0 3.7,3.6b **¶610690709**
NEIC VI 21 08 13 49.6–.98 35.33N–.05 140.55E–.09 36–11 4.1b,3.6b
NIED VI 21 08 13 49.3 35.42N 140.35E 29 3.9W,3.6b
JMA VI 21 08 13 49.3–.21 35.4N–.40 140.3E–.90 29–2 3.5,3.6b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}3.93 $M_{\theta\theta}$-3.46 $M_{\phi\phi}$-0.47 $M_{r\theta}$5.71 $M_{\theta\phi}$-2.19 $M_{\phi r}$2.75 NP1:ϕ_s64.00000°,δ73.00000°,λ91.00000°. NP2:ϕ_s239.00000°,δ17.00000°,λ86.00000°. $M_0$7.64000×10^{14}
JMA Event type fe. KUJUKURI COAST BOSO PEN .

(238) Ryukyu Islands
ISC VI 21 19 49 10.1–.70 27.63N–.04 128.51E–.05 76–6 4.3b 97 0-78
IDC VI 21 19 49 10.2–.68 27.64N 128.08E 71–9 3.8,3.4b **¶610764495**
NIED VI 21 19 49 10.8 27.71N 128.43E 67 3.9W,3.4b
NEIC VI 21 19 49 10.7–1.8 27.73N–.06 128.4E–.10 72–9 4.4b,3.4b
JMA VI 21 19 49 10.8–.10 27.7N–.70 128E–1.0 67–1 4.0,3.8
ISC Event type ke.
NIED Moment Tensor Solution. s2 Moment tensor: Scale 10^{14}Nm; M_{rr}1.36 $M_{\theta\theta}$-0.01 $M_{\phi\phi}$-1.35 $M_{r\theta}$7.09 $M_{\theta\phi}$-4.49 $M_{\phi r}$-1.31 NP1:ϕ_s87.00000°,δ85.00000°,λ123.00000°. NP2:ϕ_s185.00000°,δ34.00000°,λ9.00000°. $M_0$8.47000×10^{14}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. NEAR OKINAWAJIMA ISLAND .

(221) Kuril Islands
ISC VI 22 02 41 54.9–.30 44.96N–.03 149.79E–.03 69–2 5.4b 1580 1-152
BJI VI 22 02 41 52.1–.00 45.07N 149.80E 59 5.2b,5.1b **¶616640025**
MOS VI 22 02 41 53.9–1.2 44.97N 149.81E 76 5.8b,4.5s
SKHL VI 22 02 41 54.2–.50 44.80N 150.00E 89–5 6.9,6.3b
IDC VI 22 02 41 55.6–1.3 45.13N 149.75E 72–10 5.4,5.2b
NIED VI 22 02 41 56.0 45.02N 149.69E 30 5.4W,5.2b
BGR VI 22 02 41 56.5 45.63N 149.35E 33 5.9b,5.2b
NEIC VI 22 02 41 56.1–1.4 45.08N–.08 149.7E–.10 73–5 5.4b,5.2b
JMA VI 22 02 41 56.0–.65 45N–2.0 150E–4.0 30 6.2,5.3
GCMT VI 22 02 41 58.1–.10 45.06N–.01 149.88E–.01 70–1 5.3W,5.3
ISC Event type ke.
MOS Event type fe. Felt (III-IV) at Kuril'sk, Reydovo;(III) at Goryachiye Klyuchi, Gornyy; (II) at Yuzhno-Kuril'sk, Goryachiy Plyazh, Malokuril'skoe. Moment Tensor Solution.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{17}Nm; M_{rr}0.02 $M_{\theta\theta}$0.63 $M_{\phi\phi}$-0.65 $M_{r\theta}$0.91 $M_{\theta\phi}$-0.08 $M_{\phi r}$0.46 NP1:ϕ_s54.00000°,δ90.00000°,λ122.00000°. NP2:ϕ_s144.00000°,δ32.00000°,λ0.00000°. $M_0$1.19000×10^{17}
BGR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. SE OFF ETOROFU .
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s105,c172; s128,c239;Duration: 1^s1 Moment tensor: Scale 10^{17}Nm; M_{rr}0.09±.02 $M_{\theta\theta}$0.69±.02; $M_{\phi\phi}$-0.77±.02; $M_{r\theta}$0.91±.01; $M_{\theta\phi}$-0.22±.02; $M_{\phi r}$0.47±.01; Best double couple: NP1:ϕ_s54.00000°,δ87.00000°,λ127.00000°. NP2:ϕ_s148.00000°,δ37.00000°,λ5.00000°. Principal axes: T 1.3470,Plg37.0000° ,Azm356.0000°; N -0.1530,Plg37.0000°,Azm232.0000°; P -1.1950,Plg32.0000° ,Azm114.0000° $M_0$1.27100×10^{17}

(248) Philippine Islands region
ISC VI 22 04 52 47.1–.94 20.34N–.06 121.9E–.10 27–7 3.5b,3.2s 32 0-85
IDC VI 22 04 52 44.7–1.5 20.12N 122.15E 0 3.8,3.8L **¶610764496**
MAN VI 22 04 52 46.0 20.38N 121.93E 33 5.0b,4.0L
JMA VI 22 04 52 49.6–.52 20N–2.0 122E–2.0 48 4.1,4.0L
NIED VI 22 04 52 49.6 20.47N 122.06E 48 4.1W,4.0L
ISC Event type fe.
IDC Error ellipse: s-maj=53.5km s-min=27.1km az=73.0.
MAN Event type fe. INTENSITY II - UYUGAN AND IVANA BATANES ; INTENSITY I - MAHATAO AND BASCO BATANES.
JMA Event type ke. PHILIPPINE ISL REGION .
NIED Moment Tensor Solution. s2 Moment tensor: Scale 10^{15}Nm; M_{rr}0.53 $M_{\theta\theta}$-0.16 $M_{\phi\phi}$-0.37 $M_{r\theta}$0.04 $M_{\theta\phi}$-0.93 $M_{\phi r}$-1.03 NP1:ϕ_s186.00000°,δ76.00000°,λ52.00000°. NP2:ϕ_s80.00000°,δ40.00000°,λ159.00000°. $M_0$1.47000×10^{15}

(228) Near east coast of eastern Honshu
ISC VI 22 06 36 53.6–.94 37.18N–.05 141.40E–.06 10 3.7b,3.2s 25 0-147
IDC VI 22 06 36 51.8–1.1 37.02N 141.46E 0 3.8b,3.7 **¶614856232**
NIED VI 22 06 36 54.3 37.21N 141.30E 22 4.1W,3.7
JMA VI 22 06 36 54.3–.18 37.2N–.30 141.3E–.90 22–1 3.9,3.7
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-1.01 $M_{\theta\theta}$0.44 $M_{\phi\phi}$0.57 $M_{r\theta}$0.57 $M_{\theta\phi}$0.42 $M_{\phi r}$0.76 NP1:ϕ_s218.00000°,δ67.00000°,λ-92.00000°. NP2:ϕ_s42.00000°,δ23.00000°,λ-86.00000°. $M_0$1.36000×10^{15}
JMA Event type fe. E OFF FUKUSHIMA PREF .

(250) Mindoro
ISC VI 22 09 03 16.7–.97 13.68N–.03 120.97E–.04 10–7 3.4b 31 0-50
IDC VI 22 09 03 14.9–1.2 13.66N 121.32E 0 3.4,3.4b **¶610789261**
MAN VI 22 09 03 16.6 13.79N 120.80E 22 4.3b,3.2L
ISC Event type fe.
IDC Error ellipse: s-maj=20.6km s-min=9.5km az=55.0.
MAN Event type fe. INTENSITY I - BATANGAS CITY.

(228) Near east coast of eastern Honshu
ISC VI 22 23 59 00.8–.70 39.33N–.04 141.96E–.05 54–6 4.5b,4.0s 200 0-95
NIED VI 22 23 59 00.4 39.34N 142.06E 48 4.8W,4.0s **¶610693783**
NEIC VI 22 23 59 00–1.5 39.26N–.05 141.8E–.10 40–5 4.5,4.5b
JMA VI 22 23 59 00.4–.09 39.3N–.20 142.1E–.60 48–0 4.8W,4.5
GCMT VI 22 23 59 02.0–.40 39.47N–.02 142.19E–.04 48–1 5.0W,4.5
NEIC VI 22 23 59 02.4 39.35N 141.81E 58 5.0W,4.5
IDC VI 22 23 59 02.2–1.8 39.38N 141.97E 66–15 4.2,3.9s
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}1.13 $M_{\theta\theta}$-0.21 $M_{\phi\phi}$-0.92 $M_{r\theta}$0.61 $M_{\theta\phi}$-0.20 $M_{\phi r}$1.30 NP1:ϕ_s23.00000°,δ72.00000°,λ94.00000°. NP2:ϕ_s189.00000°,δ19.00000°,λ77.00000°. $M_0$1.78000×10^{16}
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=7.0km az=110.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-5.93 $M_{\theta\theta}$-0.10 $M_{\phi\phi}$6.03 $M_{r\theta}$0.71 $M_{\theta\phi}$2.02 $M_{\phi r}$0.09 NP1:ϕ_s9.74000°,δ44.12000°,λ-100.06000°. NP2:ϕ_s203.62000°,δ46.73000°,λ-80.39000°. Principal axes: T 6.6430,Plg1.0000°,Azm287.0000°; N -0.6282,Plg7.0000° ,Azm17.0000°; P -6.0148,Plg83.0000°,Azm186.0000° $M_0$6.35000×10^{15}
JMA Event type fe. E OFF IWATE PREF .
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s40,c46; s82,c110;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.29±.18 $M_{\theta\theta}$-0.84±.12; $M_{\phi\phi}$-2.45±.11; $M_{r\theta}$0.96±.08; $M_{\theta\phi}$-0.51±.09; $M_{\phi r}$1.29±.08; Best double couple: NP1:ϕ_s25.00000°,δ59.00000°,λ97.00000°. NP2:ϕ_s191.00000°,δ32.00000°,λ78.00000°. Principal axes: T 3.7200,Plg75.0000° ,Azm314.0000°; N -0.7580,Plg6.0000°,Azm201.0000°; P -2.9660,Plg14.0000° ,Azm110.0000° $M_0$3.34300×10^{16}
NEIC Event type se.
IDC Error ellipse: s-maj=14.8km s-min=10.4km az=120.0.

(224) Hokkaido region
ISC VI 23 18 10 01.6–.89 42.89N–.05 145.52E–.04 42–8 3.8b 85 0-141
MOS VI 23 18 10 00.8–1.2 42.93N 145.48E 49 4.0b **¶610764500**
SKHL VI 23 18 10 01.2–.10 42.80N 145.50E 51–4 4.6b
JMA VI 23 18 10 02.0–.11 43.0N–.40 145.5E–.50 48–0 4.0,3.6
NIED VI 23 18 10 02.0 42.96N 145.46E 48 3.7W,3.6
NEIC VI 23 18 10 03.0–2.0 42.87N–.03 145.4E–.20 50–10 4.0b,3.6
IDC VI 23 18 10 04.3–3.6 42.90N 145.29E 61–26 3.7,3.4b
ISC Event type ke.
MOS Error ellipse: s-maj=13.9km s-min=8.5km az=73.9.
JMA Event type fe. OFF NEMURO PENINSULA .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}2.47 $M_{\theta\theta}$-0.82 $M_{\phi\phi}$-1.65 $M_{r\theta}$1.14 $M_{\theta\phi}$-1.08 $M_{\phi r}$2.39 NP1:ϕ_s28.00000°,δ69.00000°,λ85.00000°. NP2:ϕ_s220.00000°,δ22.00000°,λ101.00000°. $M_0$3.59000×10^{14}
NEIC Event type se. Error ellipse: s-maj=16.1km s-min=4.4km az=94.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=32.1km s-min=27.1km az=37.0.

(228) Near east coast of eastern Honshu
ISC VI 24 01 46 33.3–2.0 38.83N–.06 142.2E–.10 45–17 3.4b 22 1-59
IDC VI 24 01 46 26.9–1.6 39.08N 142.70E 0 3.4,3.4b **¶610789369**
JMA VI 24 01 46 35.6–.11 38.9N–.30 142.1E–.70 46–1 3.4,3.4b
ISC Event type ke.
JMA Event type fe. KINKAZAN REGION .

(248) Philippine Islands region
ISC VI 24 20 37 06.1–.35 17.51N–.03 120.17E–.04 47–3 4.7b,4.1s 419 1-117
MAN VI 24 20 37 03.3 17.55N 119.85E 32 6.1b,5.7s **¶611467509**
DJA VI 24 20 37 04.9–.60 18N–3.0 120E–7.0 43–9 7.9,7.5
BJI VI 24 20 37 04.7–.00 17.42N 120.19E 51 4.8b,4.8L
BGR VI 24 20 37 04.2 18.94N 122.43E 33 4.5b,4.8L
NEIC VI 24 20 37 05.2–1.3 17.40N–.05 120.21E–.09 41–7 4.9b,4.8L
GCMT VI 24 20 37 07.2–.40 17.59N–.02 119.91E–.02 41 4.8W,4.8L
IDC VI 24 20 37 09.1–1.8 17.44N 120.26E 81–18 4.5,4.1b
ISC Event type fe.
MAN Event type fe. INTENSITY II - VIGAN CITY.
BGR Event type ke.
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=7.0km az=98.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s11,c13; s70,c105;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.94±.21 $M_{\theta\theta}$0.36±.12; $M_{\phi\phi}$-1.30±.13; $M_{r\theta}$-1.31±.08; $M_{\theta\phi}$-0.47±.07; $M_{\phi r}$-1.49±.09; Best double couple: NP1:ϕ_s219.00000°,δ77.00000°,λ108.00000°. NP2:ϕ_s345.00000°,δ22.00000°,λ38.00000°. Principal axes: T 2.2450,Plg55.0000° ,Azm151.0000°; N 0.1860,Plg17.0000°,Azm35.0000°; P -2.4350,Plg29.0000°,Azm295.0000° $M_0$2.34000×10^{16}
IDC Error ellipse: s-maj=14.6km s-min=9.2km az=81.0.

(227) Eastern Honshu
ISC VI 24 22 02 16.7–.39 35.83N–.02 137.64E–.02 12–2 5.5b,4.8s 1845 0-165
BJI VI 24 22 02 08.8–.00 35.61N 138.30E 10 5.3b,5.3s **¶617195267**
MOS VI 24 22 02 14.4–.95 35.84N 137.60E 10 5.6b,4.8s
IDC VI 24 22 02 14.8–.35 35.85N 137.61E 0 5.2,5.2b
BGR VI 24 22 02 14.8 36.00N 139.44E 33 5.5b,4.9s
JMA VI 24 22 02 15.4–.02 35.87N–.09 137.6E–.10 7–0 5.6,5.2W
NIED VI 24 22 02 15.4 35.87N 137.59E 7 5.2W,5.2W
NEIC VI 24 22 02 17.0–1.3 35.86N–.04 137.57E–.06 10–1 5.5b,5.2
NEIC VI 24 22 02 16.8 35.80N 137.64E 12 5.5b,5.2
NEIC VI 24 22 02 16.9 35.86N 137.57E 10 5.5b,5.2
NEIC VI 24 22 02 16.8 35.50N 137.76E 12 5.5b,5.2
GCMT VI 24 22 02 18.0–.10 35.93N–.01 137.51E–.01 12 5.3W,5.2
ISC Event type ke.
BGR Event type ke.
JMA Event type fe. WESTERN NAGANO PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}6.07 $M_{\theta\theta}$-0.55 $M_{\phi\phi}$-5.53 $M_{r\theta}$-0.57 $M_{\theta\phi}$-3.13 $M_{\phi r}$1.94 NP1:ϕ_s13.00000°,δ53.00000°,λ73.00000°. NP2:ϕ_s219.00000°

,δ40.00000°,λ111.00000°. M0 6.89000×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; Mrr5.17 Mθθ-0.12 Mφφ-5.06 Mrθ0.90 Mθφ-2.77 Mφr1.81 NP1:φs202.97000°,δ35.28000°,λ88.21000°. NP2:φs25.16000°,δ54.73000° ,λ91.26000°. Principal axes: T 5.5206,Plg80.0000°,Azm300.0000°; N 1.1258,Plg1.0000° ,Azm204.0000°; P -6.6464,Plg10.0000°,Azm114.0000° M0 6.16000×10^{16}
NEIC Event type se.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2s0 Moment tensor: Scale 10^{16}Nm; Mrr6.42 Mθθ0.17 Mφφ-6.59 Mrθ2.95 Mθφ-3.78 Mφr0.58 NP1:φs45.00000°,δ55.75000° ,λ117.58000°. NP2:φs182.13000°,δ42.89000°,λ55.78000°. Principal axes: T 7.6484,Plg66.0000°,Azm10.0000°; N 0.8420,Plg23.0000°,Azm209.0000° ; P -8.4904,Plg7.0000°,Azm116.0000° M0 8.07000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s97,c150; s134,c268;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; Mrr0.82±.01 Mθθ-0.10±.01; Mφφ-0.72±.01; Mrθ-0.32±.04; Mθφ-0.48±.01; Mφr-0.48±.04; Best double couple: NP1:φs212.00000°,δ61.00000°,λ94.00000°. NP2:φs24.00000°,δ29.00000°,λ83.00000°. Principal axes: T 0.9950,Plg73.0000° ,Azm132.0000°; N 0.1610,Plg3.0000°,Azm30.0000°; P -1.1550,Plg16.0000°,Azm299.0000° M0 1.07500×10^{17}

(227) Eastern Honshu
ISC VI 25 00 24 06.0–.66 35.85N–.02 137.60E–.03 8–4 4.4b,3.5s 192 0-93
IDC VI 25 00 24 04.5–.59 35.82N 137.57E 0 4.0,4.0b ¶610694620
MOS VI 25 00 24 04.7–.95 35.81N 137.54E 13 4.5b,4.0b
NEIC VI 25 00 24 05.6–1.2 35.84N–.02 137.60E–.05 4–4 4.5b,4.1
NIED VI 25 00 24 05.5 35.86N 137.57E 6 4.2W,4.1
NEIC VI 25 00 24 05.6 35.84N 137.60E 4 4.2W,4.1
JMA VI 25 00 24 05.5–.02 35.86N–.08 137.57E–.09 6–0 4.5,4.3
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; Mrr1.23 Mθθ-0.49 Mφφ-0.74 Mrθ0.16 Mθφ-1.21 Mφr1.27 NP1:φs16.99000°,δ67.57000°,λ62.68000°. NP2:φs250.54000°,δ34.79000° ,λ138.03000°. Principal axes: T 1.9305,Plg58.0000°,Azm249.0000°; N 0.2430,Plg25.0000° ,Azm28.0000°; P -2.1736,Plg18.0000°,Azm127.0000° M0 2.06000×10^{15}
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; Mrr1.52 Mθθ-0.98 Mφφ-0.54 Mrθ-0.72 Mθφ-1.45 Mφr0.97 NP1:φs19.00000°,δ56.00000°,λ45.00000°. NP2:φs259.00000° ,δ54.00000°,λ136.00000°. M0 2.31000×10^{15}
NEIC Event type se.
JMA Event type fe. WESTERN NAGANO PREF .

(227) Eastern Honshu
ISC VI 25 00 48 42.7–1.0 35.84N–.03 137.57E–.03 9–10 28 0-59
IDC VI 25 00 48 41.4–1.1 35.82N 137.58E 0 3.5,3.5b ¶617195283
NIED VI 25 00 48 42.8 35.86N 137.57E 6 3.6W,3.5b
JMA VI 25 00 48 42.8–.02 35.86N–.07 137.57E–.08 6–0 3.5,3.5b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; Mrr2.54 Mθθ-0.54 Mφφ-2.00 Mrθ-0.60 Mθφ-1.13 Mφr1.52 NP1:φs7.00000°,δ60.00000°,λ67.00000°. NP2:φs227.00000° ,δ37.00000°,λ124.00000°. M0 3.04000×10^{14}
JMA Event type fe. WESTERN NAGANO PREF .

(227) Eastern Honshu
ISC VI 25 06 17 15.7–.61 35.83N–.03 137.63E–.02 12–3 4.7b,3.9s 503 0-150
IDC VI 25 06 17 13.0–.57 35.87N 137.53E 0 4.3,4.3b ¶617195288
MOS VI 25 06 17 13.0–.87 35.75N 137.62E 12 4.8b,4.3b
JMA VI 25 06 17 14.6–.02 35.86N–.07 137.58E–.07 7–0 4.7,4.5W
NIED VI 25 06 17 14.6 35.86N 137.58E 7 4.5W,4.5W
NEIC VI 25 06 17 14.8–1.6 35.69N–.04 137.70E–.07 10–1 4.7b,4.5W
BGR VI 25 06 17 14.9 35.78N 139.56E 33 4.9b,4.5W
ISC Event type ke.
IDC Error ellipse: s-maj=15.1km s-min=8.3km az=140.0.
MOS Error ellipse: s-maj=7.5km s-min=5.3km az=104.5.
JMA Event type fe. WESTERN NAGANO PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; Mrr5.12 Mθθ0.33 Mφφ-5.44 Mrθ1.22 Mθφ-1.34 Mφr2.29 NP1:φs20.00000°,δ58.00000°,λ98.00000°. NP2:φs184.00000° ,δ33.00000°,λ77.00000°. M0 6.02000×10^{15}
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=7.2km az=88.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BGR Event type ke.

(227) Eastern Honshu
ISC VI 25 14 13 48.7–1.2 35.87N–.03 137.60E–.03 1–12 19 0-59
IDC VI 25 14 13 48.5–1.2 35.88N 137.62E 0 3.2,3.2b ¶617195295
NIED VI 25 14 13 48.6 35.87N 137.58E 6 3.5W,3.2b
JMA VI 25 14 13 48.6–.02 35.87N–.08 137.58E–.09 6–0 3.6,3.2b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; Mrr0.55 Mθθ0.75 Mφφ-1.30 Mrθ0.64 Mθφ-1.21 Mφr0.44 NP1:φs66.00000°,δ83.00000°,λ151.00000°. NP2:φs160.00000° ,δ61.00000°,λ8.00000°. M0 1.77000×10^{14}
JMA Event type fe. WESTERN NAGANO PREF .

(227) Eastern Honshu
ISC VI 25 14 29 21.0–1.2 35.87N–.03 137.60E–.03 2–12 18 0-59
IDC VI 25 14 29 20.4–1.2 35.84N 137.67E 0 3.2,3.2b ¶610694742
NIED VI 25 14 29 20.7 35.87N 137.58E 6 3.5W,3.2b
JMA VI 25 14 29 20.7–.02 35.87N–.08 137.58E–.08 6–0 3.6,3.2b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; Mrr0.48 Mθθ0.83 Mφφ-1.32 Mrθ0.64 Mθφ-1.23 Mφr0.47 NP1:φs67.00000°,δ85.00000°,λ152.00000°. NP2:φs159.00000° ,δ62.00000°,λ6.00000°. M0 1.81000×10^{14}
JMA Event type fe. WESTERN NAGANO PREF .

(227) Eastern Honshu
ISC VI 25 15 38 54.2–1.4 35.81N–.05 137.64E–.03 2–13 27 0-59
IDC VI 25 15 38 53.7–4.7 37.06N 137.46E 63–19 3.3,3.0b ¶617195296
NIED VI 25 15 38 55.3 35.87N 137.57E 5 3.4W,3.0b
JMA VI 25 15 38 55.3–.02 35.87N–.07 137.57E–.08 5–0 3.5,3.0b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; Mrr0.47 Mθθ0.63 Mφφ-1.11 Mrθ0.25 Mθφ-0.97 Mφr0.40 NP1:φs249.00000°,δ87.00000°,λ-166.00000°. NP2:φs158.00000° ,δ76.00000°,λ-4.00000°. M0 1.36000×10^{14}
JMA Event type fe. WESTERN NAGANO PREF .

(228) Near east coast of eastern Honshu
ISC VI 25 20 16 39.5–.80 38.71N–.05 142.15E–.07 51–5 4.3b,3.6s 110 1-82
NIED VI 25 20 16 38.4 38.72N 142.19E 41 4.2W,3.6s ¶610695060
JMA VI 25 20 16 38.4–.11 38.7N–.20 142.2E–.70 41–1 4.3,4.1
IDC VI 25 20 16 40.6–1.9 38.73N 142.09E 57–16 4.1,3.8b
NEIC VI 25 20 16 40.6–1.8 38.69N–.07 142.2E–.10 60–9 4.4b,3.8b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; Mrr2.16 Mθθ-0.56 Mφφ-1.60 Mrθ0.79 Mθφ-0.46 Mφr1.06 NP1:φs29.00000°,δ62.00000°,λ96.00000°. NP2:φs196.00000° ,δ29.00000°,λ79.00000°. M0 2.36000×10^{15}
JMA Event type fe. E OFF MIYAGI PREF .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(248) Philippine Islands region
ISC VI 26 07 41 28.6–.39 10.28N–.02 126.15E–.02 18–1 5.0b,4.3s 890 0-172
MOS VI 26 07 41 25.5–1.1 10.26N 125.91E 13 5.2b,4.3s ¶610694756
DJA VI 26 07 41 26.1–.20 11N–3.0 127E–3.0 10 5.8,5.6b
BJI VI 26 07 41 27.2–.00 10.06N 126.04E 29 4.9b,4.8b
NEIC VI 26 07 41 27.4 10.30N 126.20E 20 4.9b,4.8b
NEIC VI 26 07 41 27.4–1.9 10.31N–.06 126.10E–.08 10–1 5.1b,5.0
NEIC VI 26 07 41 27.4 10.30N 126.10E 20 5.1b,5.0
MAN VI 26 07 41 31.0 10.23N 126.18E 17 5.8b,5.2s
GCMT VI 26 07 41 33.4–.20 10.31N–.01 126.19E–.01 25 5.2W,5.2s
IDC VI 26 07 41 34.0–1.3 10.31N 126.03E 62–11 4.8,4.5b
ISC Event type fe.
MOS Error ellipse: s-maj=9.2km s-min=4.5km az=111.0.
NEIC Event type se. Moment Tensor Solution.Duration: 1s6 Moment tensor: Scale 10^{16}Nm; Mrr2.03 Mθθ0.66 Mφφ-2.69 Mrθ0.24 Mθφ1.04 Mφr2.68 NP1:φs2.54000°,δ70.04000°,λ108.10000°. NP2:φs138.79000°,δ26.69000°,λ49.46000°. Principal axes: T 3.3964,Plg61.0000° ,Azm299.0000°; N 0.6601,Plg17.0000°,Azm176.0000°; P -4.0565,Plg23.0000°,Azm79.0000° M0 3.73000×10^{16}
NEIC Event type se. Error ellipse: s-maj=13.1km s-min=9.1km az=252.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se.
MAN Event type fe. INTENSITY IV - BURGOS SURIGAO DEL NORTE; INTENSITY III - TACLOBAN CITY; PALO LEYTE; SURIGAO CITY; INTENSITY II - LIBJO SAN JOSE CAGDIANAO DINAGAT ISLANDS.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s74,c84; s96,c134;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr3.26±.15 Mθθ0.45±.11; Mφφ-3.71±.10; Mrθ-0.41±.26; Mθφ1.47±.08; Mφr6.66±.23; Best double couple: NP1:φs355.00000°,δ76.00000°,λ98.00000°. NP2:φs144.00000°,δ16.00000°,λ60.00000°. Principal axes: T 7.3170,Plg58.0000° ,Azm277.0000°; N 0.6850,Plg8.0000°,Azm173.0000°; P -7.9970,Plg30.0000°,Azm79.0000° M0 7.65700×10^{16}
IDC Error ellipse: s-maj=12.6km s-min=7.1km az=82.0.

(227) Eastern Honshu
ISC VI 26 17 09 44.1–1.5 35.85N–.04 137.64E–.08 5–13 15 0-59
IDC VI 26 17 09 43.6–1.2 35.70N 138.01E 0 3.5s,3.3 ¶617195300
JMA VI 26 17 09 44.7–.02 35.86N–.08 137.56E–.08 5–0 3.3,3.3
ISC Event type ke.
JMA Event type fe. WESTERN NAGANO PREF .

(228) Near east coast of eastern Honshu
ISC VI 26 18 32 02.2–.00 35.56N–.05 140.12E–.05 75–7 3.5b 27 0-59
JMA VI 26 18 32 01.8–.23 35.6N–.60 140.1E–.80 70–1 3.3 ¶610789524
IDC VI 26 18 32 06.1–3.5 35.33N 139.65E 92–31 3.5,3.2b
ISC Event type ke.
JMA Event type fe. CENTRAL CHIBA PREF .
IDC Error ellipse: s-maj=70.3km s-min=30.9km az=62.0.

(92) Leeward Islands
TRN VI 26 21 16 48.7 19.01N 62.50W 101 4.4
¶616620505
TRN Event type fe. Felt in Sint Maartin MMI IV.

(228) Near east coast of eastern Honshu
ISC VI 27 02 25 15.7–.95 36.09N–.06 140.02E–.07 74–7 3.9b 20 0-75
JMA VI 27 02 25 16.6–.10 36.1N–.30 140.0E–.40 66–0 3.3 ¶610789533
IDC VI 27 02 25 16.7–5.9 36.09N 139.90E 82–45 3.7,3.4b
ISC Event type ke.
JMA Event type fe. SW IBARAKI PREF .
IDC Error ellipse: s-maj=73.1km s-min=22.3km az=75.0.

(235) Kyushu
JMA VI 27 10 42 40.3–.03 33.8N–.10 130.14E–.09 12–0 3.7
NIED VI 27 10 42 40.3 33.76N 130.14E 12 3.5W ¶610764503
JMA Event type fe. NW OFF KYUSHU .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; Mrr-0.68 Mθθ1.48 Mφφ-0.80 Mrθ-0.78 Mθφ0.40 Mφr-1.70 NP1:φs39.00000°,δ80.00000°,λ-123.00000°. NP2:φs294.00000° ,δ35.00000°,λ-18.00000°. M0 2.29000×10^{14}

(227) Eastern Honshu
JMA VI 28 09 23 28.7–.02 35.86N–.08 137.56E–.08 5–0 3.5
NIED VI 28 09 23 28.7 35.86N 137.56E 5 3.4W ¶610764505
JMA Event type fe. WESTERN NAGANO PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; Mrr0.06 Mθθ0.43 Mφφ-0.50 Mrθ0.35 Mθφ-1.12 Mφr0.08 NP1:φs78.00000°,δ89.00000°,λ164.00000°. NP2:φs169.00000° ,δ74.00000°,λ1.00000°. M0 1.26000×10^{14}

(221) Kuril Islands
ISC VI 28 12 07 31.5–.22 43.83N–.03 147.86E–.02 64–1 5.6b 1973 1-153
BJI VI 28 12 07 29.0–.00 43.87N 147.82E 49 5.4b,5.3b ¶614866677
NEIC VI 28 12 07 30.1 43.66N 148.09E 50 5.4b,5.3b
NEIC VI 28 12 07 30.1 43.76N 147.95E 50 5.4b,5.3b
NEIC VI 28 12 07 30.9 43.76N 147.96E 49 5.4b,5.3b
MOS VI 28 12 07 31.7–.82 43.77N 147.84E 75 6.1b,5.0s
SKHL VI 28 12 07 32.0–.20 43.70N 148.00E 77–4 6.3b,5.1s
JMA VI 28 12 07 32.2–.25 43.6N–1.0 148E–1.0 31 5.7,5.5W
NIED VI 28 12 07 32.2 43.56N 147.83E 31 5.6W,5.5W
NEIC VI 28 12 07 32.0–1.5 43.80N–.07 147.9E–.10 61–1 5.5,5.5b
IDC VI 28 12 07 33.5–.38 43.83N 147.87E 77–3 5.6,5.3b
GCMT VI 28 12 07 34.0–.10 43.77N–.01 147.98E–.01 65–1 5.5W,5.3b
BGR VI 28 12 07 37.2 44.75N 147.09E 60–6 6.3,6.1b
ISC Event type ke.
NEIC Event type se. Moment Tensor Solution.Duration: 2s5 Moment tensor: Scale 10^{17}Nm; Mrr-1.24 Mθθ1.58 Mφφ-0.34 Mrθ0.99 Mθφ0.09 Mφr0.97 NP1:φs240.22000°,δ68.78000° ,λ-115.28000°. NP2:φs112.75000°,δ32.55000°,λ-42.29000°. Principal axes: T 1.9642,Plg20.0000°,Azm349.0000°; N 0.0745,Plg23.0000°,Azm250.0000° ; P -2.0387,Plg58.0000°,Azm115.0000° M0 2.00000×10^{17}
NEIC Event type se.
NEIC Event type se.
MOS Event type fe. Error ellipse: s-maj=5.9km s-min=3.7km az=120.5. Felt (III) at Malokuril'skoe, Yuzhno-Kuril'sk, Goryachiy Plyazh, Mendeleyevo, Lagunnoye, Kuril'sk. Moment Tensor Solution.
JMA Event type fe. E OFF HOKKAIDO .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{17}Nm; Mrr-0.86 Mθθ1.67 Mφφ-0.81 Mrθ1.81 Mθφ-0.36 Mφr0.83 NP1:φs248.00000°,δ78.00000°,λ-117.00000°. NP2:φs135.00000° ,δ29.00000°,λ-26.00000°. M0 2.48000×10^{17}
NEIC Event type se. Error ellipse: s-maj=12.5km s-min=10.9km az=294.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; Mrr-0.60 Mθθ0.72 Mφφ-0.12 Mrθ1.46 Mθφ-0.38 Mφr0.99 NP1:φs133.01000°,δ19.77000°,λ-22.37000°. NP2:φs244.18000° ,δ82.60000°,λ-108.39000°. Principal axes: T 1.7001,Plg35.0000°,Azm350.0000° ; N 0.3969,Plg18.0000°,Azm247.0000°; P -2.0970,Plg49.0000°,Azm134.0000° M0 1.93000×10^{17}
IDC Error ellipse: s-maj=7.3km s-min=6.8km az=66.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s124,c215; s148,c304;Duration: 1s4 Moment tensor: Scale 10^{17}Nm; Mrr-0.50±.03 Mθθ1.78±.03; Mφφ-1.27±.03; Mrθ1.52±.03; Mθφ-0.44±.03; Mφr1.27±.03; Best double couple: NP1:φs237.00000°,δ83.00000°,λ-128.00000°. NP2:φs138.00000°,δ39.00000°,λ-12.00000°. Principal axes: T 2.5490,Plg28.0000° ,Azm357.0000°; N 0.0590,Plg38.0000°,Azm243.0000°; P -2.6010,Plg40.0000° ,Azm112.0000° M0 2.57500×10^{17}
BGR Event type ke.

(259) Mindanao
ISC VI 28 15 21 58.5–.77 8.18N–.03 126.72E–.06 45–7 4.3b 143 0-95
MAN VI 28 15 21 58.0 8.21N 126.72E 21 5.1b,4.1s ¶610699023
NEIC VI 28 15 21 59.8–1.7 8.23N–.08 126.60E–.10 55–8 4.4b,4.1s
IDC VI 28 15 22 00.3–1.6 8.28N 126.66E 66–15 4.1,3.8b
DJA VI 28 15 22 22.7–.50 7N–4.0 125E–5.0 10 4.8b,4.8b
ISC Event type fe.
MAN Event type fe. INTENSITY III - BISLIG CITY.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(224) Hokkaido region
ISC VI 28 17 23 34.8–1.6 43.37N–.05 145.03E–.04 90–9 34 0-3
JMA VI 28 17 23 34.5–.13 43.4N–.40 145.0E–.60 92–1 3.1 ¶614867148
SKHL VI 28 17 23 35.0–.10 43.40N 145.00E 91–3 5.5,4.6b
ISC Event type ke.
JMA Event type fe. NEMURO REGION .

(238) Ryukyu Islands
ISC VI 29 01 37 25.9–1.7 28.74N–.04 128.56E–.05 5–10 4.1b,3.6s 47 1-96
IDC VI 29 01 37 25.2–.54 28.82N 128.65E 0 4.0,4.0b ¶610761007
JMA VI 29 01 37 25.5–.29 28.8N–.30 128.5E–.80 6–3 4.5W,4.2
NIED VI 29 01 37 25.5 28.75N 128.52E 6 4.4W,4.2
ISC Event type ke.
IDC Error ellipse: s-maj=23.3km s-min=12.7km az=75.0.
JMA Event type fe. NEAR TOKARA ISLANDS .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; Mrr-4.52 Mθθ4.05 Mφφ0.48 Mrθ-1.82 Mθφ0.83 Mφr-1.48 NP1:φs66.00000°,δ59.00000°,λ-101.00000°. NP2:φs267.00000° ,δ33.00000°,λ-72.00000°. M0 4.96000×10^{15}

(228) Near east coast of eastern Honshu
ISC VI 29 06 49 37.2–1.5 38.24N–.04 142.19E–.06 19–3 3.7b 32 1-62
NIED VI 29 06 49 39.6 38.33N 142.14E 38 3.5W ¶610764509
JMA VI 29 06 49 39.6–.14 38.3N–.40 142.1E–.80 38–1 3.8
IDC VI 29 06 49 40.1–3.8 38.43N 142.70E 55–33 3.7,3.5b

ISC	Event type ke.							
NIED	Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}0.78 $M_{\theta\theta}$0.71 $M_{\phi\phi}$-1.49 $M_{r\theta}$-1.47 $M_{\theta\phi}$0.71 $M_{\phi r}$0.73 NP1:ϕ_s307.00000°,δ77.00000°,λ54.00000°. NP2:ϕ_s200.00000°,δ38.00000°,λ159.00000°. $M_0$2.20000$\times10^{14}$							
JMA	Event type fe. E OFF MIYAGI PREF .							
IDC	Error ellipse: s-maj=33.7km s-min=20.5km az=111.0.							
	(233) Near south coast of western Honshu							
ISC	**VI**	**29 17 21 35.0–.81**	**34.15N–.04**	**135.22E–.03**	**10**		**20**	**0-58**
IDC	VI	29 17 21 33.7–1.6	34.01N	135.31E	0	3.3b,3.0	**¶610789733**	
JMA	VI	29 17 21 34.4–.02	34.15N–.07	135.2E–.10	4–0	3.2,3.0		
ISC	Event type ke.							
JMA	Event type fe. NW WAKAYAMA PREF .							
	(235) Kyushu							
ISC	**VI**	**30 06 52 52.4–1.0**	**32.53N–.03**	**130.61E–.04**	**7–9**		**15**	**0-68**
IDC	VI	30 06 52 50.2–2.7	32.49N	130.57E	0	3.8,3.8b	**¶617195311**	
NIED	VI	30 06 52 51.6	32.53N	130.61E	8	3.6W,3.8b		
JMA	VI	30 06 52 51.6–.04	32.5N–.10	130.6E–.20	8–0	3.5,3.8b		
ISC	Event type ke.							
NIED	Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}0.25 $M_{\theta\theta}$1.02 $M_{\phi\phi}$-1.27 $M_{r\theta}$2.22 $M_{\theta\phi}$-0.59 $M_{\phi r}$1.04 NP1:ϕ_s60.00000°,δ88.00000°,λ118.00000°. NP2:ϕ_s154.00000°,δ28.00000°,λ5.00000°. $M_0$2.77000$\times10^{14}$							
JMA	Event type fe. SOUTHERN KUMAMOTO PREF .							
	(235) Kyushu							
ISC	**VI**	**30 07 55 25.2–1.2**	**30.35N–.07**	**130.87E–.07**	**15–7**		**18**	**0-8**
JMA	VI	30 07 55 23.8–.11	30.3N–.30	131.0E–.40	18–0	3.3	**¶612490173**	
ISC	Event type ke.							
JMA	Event type fe. NEAR TANEGASHIMA ISLAND .							
	(224) Hokkaido region							
ISC	**VI**	**30 12 48 23.5–.93**	**41.24N–.04**	**141.42E–.05**	**83–6**	**3.5b**	**35**	**0-65**
JMA	VI	30 12 48 23.6–.12	41.3N–.30	141.5E–.70	82–0	3.1	**¶610789788**	
IDC	VI	30 12 48 25.1–1.7	41.34N	141.54E	111–20	3.4,3.1b		
ISC	Event type ke.							
JMA	Event type fe. SHIMOKITA PENINSULA REG .							
IDC	Error ellipse: s-maj=29.6km s-min=17.5km az=99.0.							
	(246) Southwestern Ryukyu Islands							
ISC	**VI**	**30 14 04 02.4–.27**	**25.65N–.03**	**125.29E–.03**	**103–2**	**5.2b**	**1027**	**1-169**
BGR	VI	30 14 03 43.4	23.50N	126.94E	33	5.6b,4.3s	**¶617195315**	
BJI	VI	30 14 03 57.0–.00	25.30N	125.66E	100	4.9b,4.9b		
MOS	VI	30 14 04 00.4–.95	25.73N	125.23E	90	5.2b,4.9b		
IDC	VI	30 14 04 02.5–.45	25.78N	125.33E	99–4	4.9,4.6b		
NEIC	VI	30 14 04 02.2–2.4	25.58N–.07	125.37E–.07	93–5	5.4b,5.2		
NIED	VI	30 14 04 02.5	25.69N	125.19E	98	5.2W,5.2		
JMA	VI	30 14 04 02.5–.18	26N–2.0	125E–1.0	98–4	5.2W,5.2		
NEIC	VI	30 14 04 02.5	25.61N	125.33E	90	5.2W,5.2		
NEIC	VI	30 14 04 02.5	25.61N	125.33E	95	5.2W,5.2		
GCMT	VI	30 14 04 03.2–.10	25.54N–.01	125.23E–.01	115–1	5.3W,5.2		
ISC	Event type ke.							
BGR	Event type ke.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
NIED	Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.48 $M_{\theta\theta}$-3.34 $M_{\phi\phi}$4.82 $M_{r\theta}$-2.63 $M_{\theta\phi}$-4.79 $M_{\phi r}$1.30 NP1:ϕ_s112.00000°,δ85.00000°,λ-153.00000°. NP2:ϕ_s20.00000°,δ63.00000°,λ-6.00000°. $M_0$6.97000$\times10^{16}$							
JMA	Event type fe. NW OFF MIYAKOJIMA ISLAND.							
NEIC	Event type se. Moment Tensor Solution.Duration: 2s1 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.00 $M_{\theta\theta}$-3.52 $M_{\phi\phi}$4.52 $M_{r\theta}$-4.25 $M_{\theta\phi}$-5.25 $M_{\phi r}$0.97 NP1:ϕ_s110.88000°,δ83.94000°,λ-146.21000°. NP2:ϕ_s16.84000°,δ56.42000°,λ-7.28000°. Principal axes: T 8.0378,Plg18.0000°,Azm239.0000°; N -0.1333,Plg56.0000°,Azm120.0000°; P -7.9045,Plg28.0000°,Azm339.0000° $M_0$7.97000$\times10^{16}$							
NEIC	Event type se.							
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s93,c146; s129,c225;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.22±.01 $M_{\theta\theta}$-0.47±.02; $M_{\phi\phi}$0.69±.02; $M_{r\theta}$-0.57±.01; $M_{\theta\phi}$-0.62±.01; $M_{\phi r}$0.01±.01; Best double couple: NP1:ϕ_s115.00000°,δ77.00000°,λ-147.00000°. NP2:ϕ_s17.00000°,δ58.00000°,λ-15.00000°. Principal axes: T 1.0090,Plg12.0000°,Azm243.0000°; N 0.0580,Plg55.0000°,Azm135.0000°; P -1.0680,Plg32.0000°,Azm341.0000° $M_0$1.03800$\times10^{17}$							
	(238) Ryukyu Islands							
ISC	**VI**	**30 14 38 09.5–1.4**	**28.74N–.03**	**128.65E–.05**	**9–9**	**4.4b,3.5s**	**68**	**1-92**
IDC	VI	30 14 38 07.3–.80	28.73N	128.80E	0	3.9b,3.8	**¶610764514**	
JMA	VI	30 14 38 08.7–.29	28.8N–.30	128.6E–.90	7–3	3.6,3.8		
NIED	VI	30 14 38 08.7	28.77N	128.58E	7	4.2W,3.8		
NEIC	VI	30 14 38 13.6–1.7	28.60N–.07	128.6E–.10	41–9	4.5b,3.8		
ISC	Event type ke.							
JMA	Event type fe. NEAR TOKARA ISLANDS .							
NIED	Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-2.04 $M_{\theta\theta}$1.67 $M_{\phi\phi}$0.38 $M_{r\theta}$-0.50 $M_{\theta\phi}$0.47 $M_{\phi r}$-0.66 NP1:ϕ_s60.00000°,δ56.00000°,λ-102.00000°. NP2:ϕ_s261.00000°,δ36.00000°,λ-73.00000°. $M_0$2.09000$\times10^{15}$							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
	(238) Ryukyu Islands							
ISC	**VI**	**30 15 22 29.0–.56**	**28.67N–.04**	**128.75E–.04**	**51–5**	**4.5b,3.7s**	**316**	**1-118**
IDC	VI	30 15 22 22.3–.51	28.76N	128.67E	0	4.1,4.1b	**¶610728753**	
JMA	VI	30 15 22 24.0–.35	28.8N–.40	129E–1.0	11–4	3.9,4.1b		
NIED	VI	30 15 22 24.0	28.77N	128.61E	11	4.5W,4.1b		
BJI	VI	30 15 22 25.7–.00	28.34N	128.88E	54	4.5b,4.4b		
MOS	VI	30 15 22 26.5–1.1	28.78N	128.65E	42	4.5b,4.4b		
NEIC	VI	30 15 22 28.9–1.7	28.61N–.06	128.67E–.10	53–7	4.6b,4.4b		
ISC	Event type ke.							
JMA	Event type fe. NEAR TOKARA ISLANDS .							
NIED	Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-4.64 $M_{\theta\theta}$4.06 $M_{\phi\phi}$0.58 $M_{r\theta}$-2.18 $M_{\theta\phi}$1.51 $M_{\phi r}$-1.46 NP1:ϕ_s63.00000°,δ60.00000°,λ-97.00000°. NP2:ϕ_s256.00000°,δ31.00000°,λ-79.00000°. $M_0$5.32000$\times10^{15}$							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
	(224) Hokkaido region							
ISC	**VI**	**30 21 39 38.8–1.1**	**43.91N–.05**	**141.87E–.04**	**13–8**	**3.7b,2.9s**	**38**	**0-69**
IDC	VI	30 21 39 34.0–1.2	43.43N	141.91E	0	3.7b,3.6	**¶610764515**	
NIED	VI	30 21 39 40.8	43.81N	141.82E	9	3.9W,3.6		
JMA	VI	30 21 39 40.8–.08	43.8N–.20	141.8E–.50	9–1	3.8,3.6		
NEIC	VI	30 21 39 41.5–1.3	43.91N–.04	141.83E–.10	16–9	4.1b,3.6		
ISC	Event type ke.							
NIED	Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}7.27 $M_{\theta\theta}$0.05 $M_{\phi\phi}$-7.32 $M_{r\theta}$1.26 $M_{\theta\phi}$3.83 $M_{\phi r}$2.69 NP1:ϕ_s354.00000°,δ55.00000°,λ113.00000°. NP2:ϕ_s139.00000°,δ41.00000°,λ62.00000°. $M_0$8.72000$\times10^{14}$							
JMA	Event type fe. KAMIKAWA-SORACHI REGION .							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							

PROBABLE EXPLOSIONS

(536) Sweden
ISC I 01 00 02 44.6–.83 67.80N–.03 20.22E–.02 0 32 0-3
HEL I 01 00 02 43.2–.20 67.70N 19.96E 0 1.1L ¶611908912
DNK I 01 00 02 44.6–.49 67.84N 20.20E 0 3.1L
UPP I 01 00 02 44.2–.00 67.84N 20.19E 0 3.1L
ISC Event type kh.
HEL Event type kh. Error ellipse: s-maj=1.4km s-min=3.1km az=-1.0. Explosion.
DNK Event type kh. Error ellipse: s-maj=1.2km s-min=2.5km az=-1.0. Explosion.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
(460) Wyoming
ISC I 01 20 08 13.6–.98 43.61N–.05 105.18W–.06 0 34 1-20
NEIC I 01 20 08 13.7–2.6 43.57N–.03 105.22W–.05 0–2 3.3L ¶610236412
IDC I 01 20 08 13.7–2.1 43.50N 105.46W 0 3.1,2.7L
ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=6.7km s-min=3.1km az=234.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=43.7km s-min=9.7km az=152.0.
(536) Sweden
ISC I 01 22 34 08.1–.88 67.79N–.02 20.26E–.03 0 37 0-4
HEL I 01 22 34 07.5–.20 67.87N 20.05E 0 1.6L ¶611908917
UPP I 01 22 34 08.1–.10 67.83N 20.17E 0 2.6L
ISC Event type kh.
HEL Event type kh. Error ellipse: s-maj=1.0km s-min=4.4km az=-1.0. Explosion.
UPP Event type ki. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Confirmed Induced event.
(724) Baltic States-Belarus-Northwestern Russia
HEL I 02 12 05 08.9–.30 67.60N 33.85E 0 1.3L
¶615520242
HEL Event type kh. Error ellipse: s-maj=3.4km s-min=6.8km az=-1.0. Explosion.
(721) Finland
HEL I 02 12 59 50.2–.20 61.38N 21.88E 0 1.2L
¶615520244
HEL Event type kh. Error ellipse: s-maj=1.3km s-min=4.9km az=-1.0. Explosion.
(722) Norway-Murmansk border region
HEL I 02 16 28 21.7–.50 69.33N 30.64E 0 1.0L
¶615520250
HEL Event type kh. Error ellipse: s-maj=4.2km s-min=8.4km az=-1.0. Explosion.
(548) Poland
ISC I 02 21 59 45.6–.68 50.38N–.03 18.96E–.02 0 100 1-19
IDC I 02 21 59 47.9–1.1 50.07N 18.90E 0 3.6,2.7L ¶609950092
PRU I 02 21 59 47.4–.00 50.27N 18.83E 0 3.6,2.7L
IPEC I 02 21 59 48.2–.35 50.25N 18.79E 1 2.6L,2.7L
ISC Event type ki.
IDC Error ellipse: s-maj=20.0km s-min=7.6km az=147.0.
PRU Event type ki.
IPEC Event type ki. Error ellipse: s-maj=2.3km s-min=2.0km az=113.0.
(329) Eastern Kazakhstan
ISC I 03 07 50 58.0–1.3 51.7N–.10 75.69E–.07 0 7 2-7
NNC I 03 07 50 53.4–.18 51.45N 75.20E 0 3.0b,2.6 ¶610098357
IDC I 03 07 50 57.0–5.5 51.70N 75.72E 0 2.6,2.2L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=9.6km s-min=1.0km az=26.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=70.7km s-min=29.8km az=73.0.
(364) Greece
ATH I 03 09 16 54.2 40.45N 21.83E 15–5
¶615490063
ATH Event type sm. Error ellipse: s-maj=5.9km s-min=1.8km az=254.0. Suspected Mining explosion.
(536) Sweden
ISC I 03 13 20 05.7–.83 67.06N–.02 22.05E–.03 0 34 0-3
UPP I 03 13 20 05.9–.10 67.06N 22.07E 0 2.5L ¶611908941
HEL I 03 13 20 06.6–.10 67.06N 22.01E 0 1.0L
ISC Event type kh.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
HEL Event type kh. Error ellipse: s-maj=0.5km s-min=0.9km az=-1.0. Explosion.
(548) Poland
ISC I 03 16 57 45.3–.79 51.67N–.03 15.98E–.02 0 107 1-5
DNK I 03 16 57 46.5–1.6 51.69N 16.27E 10 3.0L ¶615527844
VIE I 03 16 57 46.3 51.55N 15.87E 0 2.9L,2.7b
IPEC I 03 16 57 46.0–.26 51.62N 16.07E 1 2.7L,2.7b
BGR I 03 16 57 47.3–.42 51.57N 15.98E 1 3.0L,2.7b
PRU I 03 16 57 47.8–.00 51.55N 15.98E 0 3.0L,2.7b
ISC Event type sr.
DNK Error ellipse: s-maj=16.9km s-min=40.6km az=-1.0.
VIE Event type sr. 94 km NW of Wroclaw . Suspected Mining induced.
IPEC Event type ki. Error ellipse: s-maj=2.1km s-min=1.2km az=35.0.
BGR Event type ki. Error ellipse: s-maj=4.4km s-min=2.2km az=18.0.
PRU Event type ki.
(534) North Sea
ISC I 03 18 52 18.8–.53 54.44N–.03 2.12E–.03 10 3.8b 407 2-49
IDC I 03 18 52 20.2–1.3 54.35N 1.84E 0 3.9L,3.8b ¶609967141
DNK I 03 18 52 23.8–2.3 54.77N 2.11E 0–65 3.6L,3.8b
BGS I 03 18 52 24.8–.63 54.44N 1.96E 19–11 3.8L,3.8b
BER I 03 18 52 24.3–1.8 54.49N 1.98E 15 3.8L,3.0L
UCC I 03 18 52 24.9–.59 54.35N 1.82E 10 3.9L,3.0L
BGR I 03 18 52 25.1–.38 54.45N 2.02E 10 4.2L,3.0L
PRU I 03 18 52 25.4–.00 55.01N 2.95E 0 4.2L,3.0L
LDG I 03 18 52 25.7–.08 54.43N 1.87E 30 4.3L,4.0
NAO I 03 18 52 27.2–3.8 55.10N 1.61E 2.9L,4.0
UPP I 03 18 52 30.2–2.7 54.79N 2.81E 0 2.8L,4.0
BNS I 03 18 52 32.7–.46 53.83N 2.41E 10 3.4L,4.0
ISC Event type ke.
IDC Error ellipse: s-maj=24.8km s-min=21.2km az=97.0.
DNK Error ellipse: s-maj=27.4km s-min=102.0km az=-1.0. Probable volcanic.
BGS Error ellipse: s-maj=2.7km s-min=6.9km az=-1.0.
BER Event type ke. Error ellipse: s-maj=3.0km s-min=4.9km az=-1.0. Confirmed Earthquake.
UCC Event type ke.
BGR Event type ke. Error ellipse: s-maj=5.6km s-min=4.4km az=175.0.
LDG Event type ke. Error ellipse: s-maj=2.2km s-min=1.9km az=76.0.
NAO Error ellipse: s-maj=0.5km s-min=0.1km az=-1.0.
UPP Error ellipse: s-maj=0.2km s-min=0.3km az=-1.0.
BNS Event type ke.
(536) Sweden
ISC I 03 19 06 27.9–.74 67.04N–.03 20.97E–.03 0 41 0-8
UPP I 03 19 06 27.9–.10 67.06N 20.99E 0 2.2L ¶609967169
BER I 03 19 06 27.7–1.3 66.78N 21.13E 0 2.8L,1.9L
IDC I 03 19 06 28.2–.91 67.11N 21.46E 0 3.1,2.1L
NAO I 03 19 06 29.4–.80 67.02N 21.28E 2.8L,2.1L
ISC Event type sh.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
BER Event type sh. Error ellipse: s-maj=10.8km s-min=31.1km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=16.7km s-min=7.0km az=110.0.
NAO Error ellipse: s-maj=0.1km s-min=0.1km az=-1.0.
(536) Sweden
ISC I 04 00 03 59.4–1.1 58.81N–.03 15.10E–.03 0 29 0-2
UPP I 04 00 03 59.7–.10 58.81N 15.09E 0 3.0L ¶611908946
DNK I 04 00 04 00.1–.32 58.81N 15.09E 0 3.0L
ISC Event type kh.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
DNK Event type kh. Error ellipse: s-maj=0.7km s-min=1.4km az=-1.0. Explosion.
(536) Sweden
ISC I 04 00 48 23.3–.81 67.79N–.02 20.31E–.03 0 37 0-4
HEL I 04 00 48 23.9–.30 67.77N 20.25E 0 1.4L ¶611908947
UPP I 04 00 48 24.0–.00 67.82N 20.20E 0 2.6L
ISC Event type kh.
HEL Event type kh. Error ellipse: s-maj=1.6km s-min=6.3km az=-1.0. Explosion.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
(536) Sweden
ISC I 04 03 44 21.2–.83 67.82N–.02 20.30E–.03 0 33 0-4
HEL I 04 03 44 22.5–.10 67.82N 20.19E 0 1.2L ¶611908949
UPP I 04 03 44 22.0–.00 67.84N 20.20E 0 2.5L
ISC Event type kh.
HEL Event type kh. Error ellipse: s-maj=0.9km s-min=2.8km az=-1.0. Explosion.
UPP Event type ki. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Confirmed Induced event.
(548) Poland
PRU I 04 06 24 36.8–.00 50.20N 19.07E 0
¶611654403
PRU Event type ki.
(721) Finland
HEL I 04 13 34 10.0–.10 61.58N 24.07E 0 1.7L
UPP I 04 13 34 09.3–2.5 61.49N 24.35E 0 1.9L ¶615520312
HEL Event type kh. Error ellipse: s-maj=0.9km s-min=2.2km az=-1.0. Explosion.
UPP Error ellipse: s-maj=0.1km s-min=0.4km az=-1.0.
(721) Finland
HEL I 05 00 39 16.0–.20 66.71N 25.77E 0 1.6L
¶615948196
HEL Event type kh. Error ellipse: s-maj=1.4km s-min=3.6km az=-1.0. Explosion.
(326) Southwestern Siberia
ISC I 05 04 54 39.8–4.7 53.5N–.20 91.2E–.30 35 5 4-11
IDC I 05 04 54 36.8–4.0 53.60N 90.81E 0 3.0,2.3L ¶610101561
ISC Event type ke.
IDC Error ellipse: s-maj=37.9km s-min=26.6km az=48.0.
(536) Sweden
ISC I 05 06 05 32.6–.83 67.84N–.02 20.26E–.02 0 49 0-8
HEL I 05 06 05 32.7–.20 67.83N 20.21E 0 1.8L ¶610236758
UPP I 05 06 05 32.4–.00 67.84N 20.21E 0 2.3L
IDC I 05 06 05 33.4–1.3 67.85N 20.72E 0 3.1,1.9L
ISC Event type kh.
HEL Event type kh. Error ellipse: s-maj=0.7km s-min=2.9km az=-1.0. Explosion.
UPP Event type ki. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Confirmed Induced event.
IDC Error ellipse: s-maj=22.6km s-min=7.9km az=122.0.
(646) Northern Norway
ISC I 05 07 24 17.8–.86 64.93N–.02 12.39E–.03 0 156 0-7
DNK I 05 07 24 18.4–.84 64.92N 12.32E 0 2.4L ¶609985367
IDC I 05 07 24 19.1–1.3 64.93N 12.56E 0 3.0,2.2L
NAO I 05 07 24 19.5–1.0 64.97N 12.14E 8–8 2.8L,2.2L
HEL I 05 07 24 20.4 64.94N 12.49E 14 2.1L,2.2L
BER I 05 07 24 20.6–1.8 64.96N 12.36E 0–5 2.4L,2.3L
UPP I 05 07 24 20.1–1.5 64.90N 12.59E 0 2.4L,2.3L
HEL I 05 07 24 20.0–.10 64.94N 12.50E 10 2.4L,2.1L
ISC Event type sh.
DNK Event type sh. Error ellipse: s-maj=4.7km s-min=11.1km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=17.0km s-min=7.2km az=110.0.
HEL Event type ke. Confirmed Earthquake.
BER Event type ke. Error ellipse: s-maj=2.1km s-min=7.6km az=-1.0. Confirmed Earthquake.
UPP Error ellipse: s-maj=0.1km s-min=0.2km az=-1.0.
HEL Event type ke. Error ellipse: s-maj=0.6km s-min=0.8km az=-1.0. Confirmed Earthquake.
(379) Near south coast of France
STR I 05 08 38 11.0–.75 44N–5.0 7E–4.0 0 1.7
¶615393821
STR Event type sm. manual. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/alpes_taup-2.11. preliminary.
(326) Southwestern Siberia
ISC I 05 09 03 42.4–3.1 54.4N–.20 86.8E–.10 0 12 1-10
IDC I 05 09 03 41.5–2.7 54.33N 86.98E 0 3.1,2.7L ¶610101572
NNC I 05 09 03 42.9–4.9 54.15N 86.85E 0 3.1b,2.9
ISC Event type sm.
IDC Error ellipse: s-maj=23.7km s-min=15.3km az=70.0.
NNC Event type sm. Error ellipse: s-maj=30.4km s-min=17.9km az=78.0. Suspected Mining explosion.
(536) Sweden
HEL I 05 11 10 10.2–.30 67.63N 20.90E 0 1.4L
¶615520340
HEL Event type kh. Error ellipse: s-maj=1.2km s-min=6.4km az=-1.0. Explosion.
(329) Eastern Kazakhstan
ISC I 05 11 41 27.4–1.2 52.30N–.09 76.15E–.06 0 9 2-7
NNC I 05 11 41 28.4–2.0 51.96N 75.58E 0 3.1b,2.7 ¶610101582
IDC I 05 11 41 30.8–1.5 51.62N 75.45E 0 2.6,2.0L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=30.7km s-min=12.8km az=25.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=44.9km s-min=13.0km az=32.0.
(536) Sweden
ISC I 05 18 04 30.6–.74 67.06N–.03 20.92E–.02 0 48 0-12
UPP I 05 18 04 31.3–.10 67.07N 20.94E 0 2.8L ¶610236785
IDC I 05 18 04 32.0–.92 67.12N 21.38E 0 3.0,2.1L
DNK I 05 18 04 31.8–.56 67.08N 20.94E 0 2.8L,2.1L
BER I 05 18 04 32.4–1.3 66.83N 21.45E 0 1.9L,2.1L
ISC Event type kh.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=16.2km s-min=7.1km az=112.0.
DNK Event type kh. Error ellipse: s-maj=1.5km s-min=2.9km az=-1.0. Explosion.
BER Event type sh. Error ellipse: s-maj=6.9km s-min=10.2km az=-1.0. Suspected explosion.
(460) Wyoming
ISC I 05 19 06 49.7–.99 43.83N–.06 105.26W–.06 0 56 1-19
IDC I 05 19 06 48.8–1.9 43.62N 105.38W 0 3.4L,3.3 ¶610236789
NEIC I 05 19 06 49.8–.87 43.84N–.05 105.24W–.06 0–2 3.3L,3.3
ISC Event type sm.
NEIC Event type sm. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(536) Sweden
HEL I 05 20 08 50.0–.40 67.93N 20.36E 0 1.0L
¶615520357
HEL Event type kh. Error ellipse: s-maj=1.8km s-min=9.3km az=-1.0. Explosion.
(460) Wyoming
ISC I 05 21 07 37.3–.77 43.75N–.04 105.33W–.04 0 3.9b 37 1-90
IDC I 05 21 07 35.0–2.1 43.48N 105.34W 0 4.0b,3.7 ¶610236795
NEIC I 05 21 07 38.2–1.2 43.75N–.05 105.34W–.07 0–2 3.4L,3.7
ISC Event type sm.
NEIC Event type sm. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(548) Poland
ISC I 05 21 56 20.3–1.3 51.52N–.06 16.10E–.03 0 57 1-4
IPEC I 05 21 56 20.3–.49 51.50N 16.20E 1–2 2.0L ¶610050482
PRU I 05 21 56 21.0–.00 51.50N 16.06E 0 2.0L
VIE I 05 21 56 22.5 51.35N 15.97E 0 2.5b,2.3L
ISC Event type sr.
IPEC Event type ki. Error ellipse: s-maj=3.2km s-min=1.2km az=24.0.
PRU Event type ki.
VIE Event type sr. 78 km WNW of Wroclaw . Suspected Mining induced.
(548) Poland
ISC I 06 03 30 41.2–1.3 51.58N–.06 16.07E–.03 0 53 1-4
IPEC I 06 03 30 41.3–.32 51.56N 16.18E 0–1 1.8L ¶610050497
PRU I 06 03 30 42.3–.00 51.55N 16.06E 0 1.8L
VIE I 06 03 30 43.4 51.42N 16.01E 0 2.6b,2.4L
ISC Event type sr.
IPEC Event type ki. Error ellipse: s-maj=2.2km s-min=1.1km az=23.0.
PRU Event type ki.
VIE Event type sr. 78 km WNW of Wroclaw . Suspected Mining induced.
(721) Finland
HEL I 06 04 01 25.5–.10 67.93N 25.43E 0 1.3L
BER I 06 04 01 25.2–1.3 67.82N 25.08E 0 0.6L ¶615190266
HEL Event type kh. Error ellipse: s-maj=0.8km s-min=2.4km az=-1.0. Explosion.
BER Event type sh. Error ellipse: s-maj=10.6km s-min=15.1km az=-1.0. Suspected explosion.
(329) Eastern Kazakhstan

ISC I 06 07 12 55.9–1.4 49.6N–.10 81.7E–.10 0 9 1-3
SOME I 06 07 12 56.8 49.63N 81.47E 0 ¶612032744
NNC I 06 07 12 58.2–1.9 49.67N 81.82E 0 2.8b,2.5
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=27.1km s-min=4.8km az=56.0. Suspected Mining explosion.

(713) Central Kazakhstan
ISC I 06 10 47 40.1–1.1 51.1N–.10 74.00E–.07 0 13 3-8
NNC I 06 10 47 39.2–1.0 51.09N 73.95E 0 3.2b,2.9 ¶610102407
IDC I 06 10 47 41.8–5.4 51.09N 74.13E 0 2.7,2.2L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=24.6km s-min=5.1km az=26.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=55.9km s-min=30.7km az=71.0.

(713) Central Kazakhstan
ISC I 06 18 44 09.6–1.8 42.76N–.04 70.1E–.10 0 32 0-3
SOME I 06 18 44 10.5 42.67N 70.28E ¶612032779
KRNET I 06 18 44 10.5–.10 42.72N 70.09E 20 2.8b
NNC I 06 18 44 11.2–.27 42.68N 70.79E 0 2.2
ISC Event type sm.
SOME Event type kx.
NNC Event type sm. Error ellipse: s-maj=8.5km s-min=1.4km az=64.0. Suspected Mining explosion.

(24) Alberta
ISC I 06 20 37 55.0–.73 50.30N–.04 114.84W–.04 0 31 1-22
PGC I 06 20 37 56.6–.02 50.27N 114.79W 0 3.2L ¶610236854
IDC I 06 20 37 58.4–1.7 50.27N 114.88W 0 3.2L,2.9
ISC Event type km.
PGC Event type km. 101km southwest of Calgary, Alberta Alberta, Canada Mining explosion.
IDC Error ellipse: s-maj=50.5km s-min=14.1km az=74.0.

(536) Sweden
UPP I 07 00 51 55.2–.00 67.83N 20.19E 0 2.7L
HEL I 07 00 51 55.9–.20 67.83N 20.21E 0 1.2L ¶611908975
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
HEL Event type kh. Error ellipse: s-maj=1.0km s-min=3.8km az=-1.0. Explosion.

(329) Eastern Kazakhstan
ISC I 07 07 37 29.4–.83 50.05N–.04 78.84E–.05 0 36 1-9
NNC I 07 07 37 28.5–.44 50.00N 78.68E 0 3.4b,3.0 ¶610104636
IDC I 07 07 37 29.9–1.0 50.06N 78.78E 0 3.1,2.6L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=4.5km s-min=2.0km az=69.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=13.0km s-min=7.5km az=63.0.

(536) Sweden
ISC I 08 00 15 23.7–.84 67.83N–.03 20.22E–.03 0 35 0-4
HEL I 08 00 15 22.7–.40 67.79N 20.12E 0 1.5L ¶611908980
UPP I 08 00 15 23.3–.60 67.82N 20.21E 1–5 2.6L
ISC Event type kh.
HEL Event type kh. Error ellipse: s-maj=2.4km s-min=7.5km az=-1.0. Explosion.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.

(536) Sweden
ISC I 08 01 18 49.9–.84 67.80N–.03 20.22E–.03 0 32 0-4
HEL I 08 01 18 50.0–.30 67.78N 20.19E 0 1.2L ¶611908983
UPP I 08 01 18 50.3–.40 67.83N 20.19E 1–6 2.5L
ISC Event type kh.
HEL Event type kh. Error ellipse: s-maj=1.6km s-min=6.2km az=-1.0. Explosion.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.

(329) Eastern Kazakhstan
ISC I 08 07 36 53.4–.79 50.05N–.04 78.67E–.04 0 36 1-8
NNC I 08 07 36 51.8–.56 49.99N 78.42E 0 3.6b,3.3 ¶610104993
IDC I 08 07 36 52.8–.74 50.06N 78.78E 0 3.1,2.7L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=5.9km s-min=2.4km az=78.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=10.0km s-min=5.6km az=62.0.

(329) Eastern Kazakhstan
ISC I 08 09 32 58.3–1.1 51.72N–.08 75.50E–.05 0 10 2-7
NNC I 08 09 32 57.2–1.0 51.62N 75.37E 0 3.3b,2.9 ¶610104996
IDC I 08 09 32 58.9–.90 51.71N 75.54E 0 2.9,2.0L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=55.9km s-min=6.6km az=27.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=24.4km s-min=7.0km az=28.0.

(548) Poland
PRU I 08 11 36 27.4–.00 50.08N 19.29E 0 ¶611654466
PRU Event type ki.

(332) Northern Xinjiang
ISC I 08 13 11 45.6–.98 47.17N–.05 85.10E–.05 0 61 0-14
IDC I 08 13 11 40.7–1.7 47.02N 85.33E 0 3.7,3.3L ¶610105009
SOME I 08 13 11 43.9 46.98N 85.03E 10 3.7,3.3L
NNC I 08 13 11 42.6–4.7 46.99N 85.31E 0 4.3b,3.9
ASRS I 08 13 11 52.7–.57 48N–3.0 85E–4.0 1 3.8,3.9
ISC Event type sm.
NNC Event type sm. Suspected Mining explosion.
ASRS Event type ke. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

(536) Sweden
ISC I 08 17 26 16.1–.66 67.20N–.02 20.67E–.02 0 88 0-59
IDC I 08 17 26 16.9–.79 67.13N 20.95E 0 3.6s,3.6b ¶610236973
DNK I 08 17 26 16.9–.58 67.20N 20.67E 0 2.9L,3.6b
HEL I 08 17 26 16.0–.20 67.19N 20.57E 0 2.2L,3.6b
UPP I 08 17 26 16.5–.10 67.20N 20.66E 0 2.9L,3.6b
BER I 08 17 26 19.3–1.5 67.18N 20.72E 0 2.5L,3.6b
ISC Event type kh.
IDC Error ellipse: s-maj=13.2km s-min=7.2km az=110.0.
DNK Event type sh. Error ellipse: s-maj=1.3km s-min=3.7km az=-1.0. Suspected explosion.
HEL Event type kh. Error ellipse: s-maj=1.0km s-min=4.4km az=-1.0. Explosion.
UPP Event type ki. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Confirmed Induced event.
BER Event type sh. Error ellipse: s-maj=4.7km s-min=12.0km az=-1.0. Suspected explosion.

(460) Wyoming
ISC I 08 22 32 32.7–.90 43.75N–.05 105.47W–.05 0 24 1-20
NEIC I 08 22 32 33.2–.63 43.74N–.05 105.47W–.05 0–2 3.1L ¶610236985
IDC I 08 22 32 34.0–2.0 43.74N 105.48W 0 3.1,3.0L
ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=8.9km s-min=5.0km az=339.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=47.5km s-min=10.0km az=149.0.

(326) Southwestern Siberia
ISC I 09 07 59 27.8–3.6 53.8N–.20 90.6E–.20 0 10 3-12
NNC I 09 07 59 26.8–7.2 53.28N 91.42E 0 3.5b,3.1 ¶610105213
IDC I 09 07 59 32.8–3.1 53.30N 90.45E 0 3.4,2.9L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=60.4km s-min=30.3km az=87.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=26.8km s-min=20.0km az=59.0.

(536) Sweden
ISC I 09 08 49 18.0–.80 67.20N–.02 20.67E–.03 0 48 0-4
HEL I 09 08 49 18.5–.50 67.19N 20.66E 0 1.2L ¶611908998
DNK I 09 08 49 18.5–.57 67.20N 20.63E 0 2.8L
UPP I 09 08 49 18.0–.00 67.20N 20.64E 0 2.8L
ISC Event type kh.
HEL Event type kh. Error ellipse: s-maj=2.0km s-min=9.9km az=-1.0. Explosion.
DNK Event type sh. Error ellipse: s-maj=1.0km s-min=3.5km az=-1.0. Suspected explosion.
UPP Event type ki. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Confirmed Induced event.

(548) Poland
ISC I 09 09 12 02.4–.63 51.64N–.03 16.16E–.02 0 173 1-18
IPEC I 09 09 12 04.4–.22 51.58N 16.21E 0 2.9L ¶610064784
PRU I 09 09 12 05.6–.00 51.54N 16.09E 0 2.9L
BGR I 09 09 12 05.1–.33 51.56N 16.14E 1 3.2L
IDC I 09 09 12 05.0–.83 51.44N 16.18E 0 3.5,2.9L
DNK I 09 09 12 05.1–.89 51.76N 16.05E 0–43 2.0L,2.9L
UPP I 09 09 12 06.6–3.3 51.70N 15.61E 0 2.0L,2.9L
VIE I 09 09 12 08.8 51.33N 15.97E 0 3.6s,2.9L
ISC Event type sr.
IPEC Event type ki. Error ellipse: s-maj=1.6km s-min=1.0km az=32.0.
PRU Event type ki.
BGR Event type ki. Error ellipse: s-maj=3.3km s-min=2.2km az=17.0.
IDC Error ellipse: s-maj=11.7km s-min=7.3km az=123.0.
DNK Error ellipse: s-maj=38.6km s-min=29.6km az=-1.0.
UPP Error ellipse: s-maj=0.2km s-min=0.4km az=-1.0.
VIE Event type sr. 77 km WNW of Wroclaw . Suspected Mining induced.

(536) Sweden
BER I 09 14 09 07.9–1.1 61.25N 10.49E 0–85 1.4L ¶612284791
BER Error ellipse: s-maj=2.4km s-min=4.6km az=-1.0.

(536) Sweden
DNK I 09 14 08 31.2–1.5 56.61N 15.97E 0 1.2L ¶616063571
DNK Event type kh. Error ellipse: s-maj=2.5km s-min=6.4km az=-1.0. Explosion.

(548) Poland
ISC I 09 20 06 54.9–.61 51.65N–.03 16.14E–.02 0 165 1-60
DNK I 09 20 06 56.6–1.4 51.49N 15.82E 23–57 1.7L ¶610064791
IDC I 09 20 06 56.8–.68 51.62N 15.94E 0 3.4,3.2b
IPEC I 09 20 06 57.0–.24 51.55N 16.15E 1 2.8L,3.2b
BGR I 09 20 06 57.8–.32 51.52N 16.11E 1 3.1L,3.2b
PRU I 09 20 06 57.8–.00 51.53N 16.06E 0 3.1L,3.2b
VIE I 09 20 06 59.8 51.38N 15.92E 0 3.9s,2.9b
ISC Event type sr.
DNK Error ellipse: s-maj=40.7km s-min=35.4km az=-1.0.
IDC Error ellipse: s-maj=13.5km s-min=7.1km az=104.0.
IPEC Event type ki. Error ellipse: s-maj=2.0km s-min=1.1km az=36.0.
BGR Event type ki. Error ellipse: s-maj=3.3km s-min=1.1km az=16.0.
PRU Event type ki.
VIE Event type sr. 82 km WNW of Wroclaw . Suspected Mining induced.

(329) Eastern Kazakhstan
ISC I 10 07 12 39.7–.77 50.03N–.05 78.74E–.07 0 34 1-6
NNC I 10 07 12 38.5–.43 50.00N 78.66E 0 3.0b,2.7 ¶610105907
IDC I 10 07 12 40.0–.86 50.06N 78.82E 0 2.6,2.2L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=7.0km s-min=2.0km az=77.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=15.3km s-min=6.1km az=59.0.

(329) Eastern Kazakhstan
ISC I 10 07 48 21.5–1.1 51.7N–.10 75.48E–.06 0 10 2-7
NNC I 10 07 48 19.7–.88 51.86N 75.56E 0 3.2b,2.8 ¶610105909
IDC I 10 07 48 22.3–1.3 51.83N 75.65E 0 2.7,1.9L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=37.2km s-min=4.5km az=28.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=30.5km s-min=11.0km az=30.0.

(329) Eastern Kazakhstan
ISC I 10 09 40 37.0–1.1 51.8N–.10 75.57E–.06 0 12 2-7
NNC I 10 09 40 36.2–1.0 51.52N 75.27E 0 3.1b,2.8 ¶610105915
IDC I 10 09 40 37.0–1.3 51.76N 75.64E 0 2.7,1.9L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=29.2km s-min=6.7km az=28.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=30.5km s-min=9.5km az=31.0.

(326) Southwestern Siberia
ISC I 10 09 45 35.2–3.8 53.8N–.10 88.0E–.20 0 11 2-8
IDC I 10 09 45 34.4–2.9 53.71N 88.26E 0 3.1,2.6L ¶610105916
NNC I 10 09 45 36.3–3.6 53.62N 87.99E 0 3.1b,2.8
ISC Event type sm.
IDC Error ellipse: s-maj=24.7km s-min=17.5km az=57.0.
NNC Event type sm. Error ellipse: s-maj=26.4km s-min=14.3km az=66.0. Suspected Mining explosion.

(713) Central Kazakhstan
NNC I 10 09 50 23.0–.66 43.65N 69.74E 0 3.7b,3.2
SOME I 10 09 50 22.0 43.68N 69.72E 3.7b,3.2 ¶612032928
NNC Event type sm. Error ellipse: s-maj=3.6km s-min=2.5km az=108.0. Suspected Mining explosion.
SOME Event type kx.

(536) Sweden
ISC I 10 20 05 31.0–.80 67.78N–.03 20.06E–.04 0 35 1-11
IDC I 10 20 05 33.3–.95 67.75N 20.46E 0 3.4,2.0L ¶610237102
HEL I 10 20 05 33.0–.20 67.81N 20.18E 0 1.9L,2.0L
ISC Event type kh.
IDC Error ellipse: s-maj=16.5km s-min=7.8km az=112.0.
HEL Event type kh. Error ellipse: s-maj=0.8km s-min=3.7km az=-1.0. Explosion.

(724) Baltic States-Belarus-Northwestern Russia
HEL I 10 20 05 34.4–.20 67.61N 33.78E 0 1.5L ¶615520464
HEL Event type kh. Error ellipse: s-maj=2.7km s-min=5.7km az=-1.0. Explosion.

(460) Wyoming
ISC I 10 22 35 11.8–.79 43.82N–.07 105.32W–.07 0 3.8b 52 1-90
IDC I 10 22 35 12.6–1.7 44.02N 105.80W 0 3.8b,3.7 ¶610237110
NEIC I 10 22 35 13.2–1.1 43.77N–.05 105.35W–.08 0–2 3.5L,3.7
ISC Event type sm.
NEIC Event type sm. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(536) Sweden
UPP I 10 23 13 17.5–.10 67.19N 20.67E 0 2.1L
HEL I 10 23 13 18.1–.10 67.18N 20.68E 1 2.1L,1.8L ¶611909017
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
HEL Event type ki. Error ellipse: s-maj=0.5km s-min=0.5km az=-1.0. Confirmed Induced event.

(536) Sweden
ISC I 11 00 34 36.0–.76 67.81N–.03 20.36E–.04 0 32 0-10
UPP I 11 00 34 36.5–.00 67.84N 20.21E 0 2.6L ¶610237116
HEL I 11 00 34 37.7–.20 67.88N 20.22E 0 1.6L
IDC I 11 00 34 38.0–1.1 67.83N 20.72E 0 3.8,2.1L
ISC Event type sh.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
HEL Event type sh. Error ellipse: s-maj=1.0km s-min=1.5km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=16.7km s-min=8.0km az=109.0.

(326) Southwestern Siberia
ISC I 11 06 15 50.1–3.3 54.7N–.20 86.3E–.20 0 12 1-10
NNC I 11 06 15 48.0–3.5 54.37N 86.97E 0 3.4b,3.1 ¶610114401
IDC I 11 06 15 48.7–2.6 54.39N 86.77E 0 3.2,2.9L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=33.1km s-min=19.7km az=176.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=22.6km s-min=13.6km az=53.0.

(326) Southwestern Siberia
NNC I 11 07 53 59.2–2.7 54.18N 86.37E 0 3.9b,3.1 ¶612032960
NNC Event type sm. Error ellipse: s-maj=24.6km s-min=13.1km az=7.0. Suspected Mining explosion.

(326) Southwestern Siberia
ISC I 11 08 19 03.7–3.9 54.0N–.20 86.5E–.20 0 14 1-10
NNC I 11 08 19 03.7–3.1 53.95N 86.55E 0 3.0b,2.8 ¶610114410
IDC I 11 08 19 03.1–2.5 54.09N 86.57E 0 3.4,3.0L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=24.8km s-min=13.9km az=31.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=20.8km s-min=13.8km az=50.0.

(536) Sweden
ISC I 11 18 02 21.4–.70 67.10N–.02 20.94E–.02 0 83 0-7
UPP I 11 18 02 21.7–.10 67.08N 20.94E 0 2.2L ¶610237178
IDC I 11 18 02 22.0–1.3 67.06N 21.05E 0 3.0,1.9L
HEL I 11 18 02 22.0–.30 67.10N 21.02E 0 1.9L,1.9L

BER I 11 18 02 23.4–1.5 66.92N 21.40E 0 1.6L,1.9L
ISC Event type kh.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=21.7km s-min=9.7km az=100.0.
HEL Event type kh. Error ellipse: s-maj=1.0km s-min=5.9km az=-1.0. Explosion.
BER Event type sh. Error ellipse: s-maj=5.5km s-min=10.3km az=-1.0. Suspected explosion.
(460) Wyoming
ISC I 11 20 14 11.2–.84 43.60N–.04 105.32W–.05 0 57 1-62
IDC I 11 20 14 09.7–2.3 43.39N 105.44W 0 4.6b,3.9 ¶610237191
NEIC I 11 20 14 12.1–2.4 43.59N–.02 105.28W–.08 0–2 3.1L,3.9
ISC Event type sm.
NEIC Event type sm. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(460) Wyoming
ISC I 11 23 05 20.6–1.1 43.74N–.06 105.26W–.08 0 28 1-20
IDC I 11 23 05 19.6–2.0 43.62N 105.44W 0 3.1,3.0L ¶610237211
NEIC I 11 23 05 21.2–.81 43.73N–.05 105.28W–.05 0–2 3.0L,3.0L
ISC Event type sm.
NEIC Event type sm. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(536) Sweden
ISC I 12 00 32 01.1–.79 67.82N–.02 20.23E–.02 0 44 0-4
UPP I 12 00 32 01.2–.00 67.83N 20.20E 0 2.6L ¶611909041
HEL I 12 00 32 01.9–.20 67.82N 20.27E 0 1.7L
ISC Event type kh.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
HEL Event type kh. Error ellipse: s-maj=0.9km s-min=4.1km az=-1.0. Explosion.
(536) Sweden
ISC I 12 00 34 17.8–.79 67.85N–.02 20.30E–.03 0 42 0-4
UPP I 12 00 34 18.3–.10 67.85N 20.20E 0 2.5L ¶611909042
HEL I 12 00 34 19.3–.20 67.84N 20.24E 0 1.5L
ISC Event type kh.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
HEL Event type kh. Error ellipse: s-maj=0.9km s-min=3.5km az=-1.0. Explosion.
(326) Southwestern Siberia
ISC I 12 04 05 06.4–5.4 55.6N–.20 86.5E–.30 0 8 2-10
NNC I 12 04 05 07.3–5.3 55.58N 86.19E 0 3.1b,2.8 ¶610123229
IDC I 12 04 05 09.2–3.0 55.45N 86.31E 0 3.1,2.5L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=53.2km s-min=29.7km az=24.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=29.2km s-min=18.5km az=63.0.
(329) Eastern Kazakhstan
ISC I 12 07 31 45.4–2.0 49.99N–.07 78.6E–.20 0 27 1-6
NNC I 12 07 31 44.7–.45 50.01N 78.72E 0 2.9b,2.5 ¶610123236
IDC I 12 07 31 45.8–1.3 50.05N 78.74E 0 2.6,2.2L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=10.9km s-min=1.9km az=73.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=23.4km s-min=7.5km az=67.0.
(723) Finland-Karelia border region
ISC I 12 09 59 49.5–.94 64.80N–.03 30.92E–.04 0 62 1-9
KOLA I 12 09 59 45.5 64.40N 30.75E 0 2.2L ¶615527856
HEL I 12 09 59 50.4–.30 64.77N 30.71E 0 2.2L
BER I 12 09 59 50.0–.90 64.63N 31.15E 0 1.9L
IDC I 12 09 59 51.8–2.5 64.71N 30.67E 0 3.0,2.1L
ISC Event type kh.
KOLA Error ellipse: s-maj=19.5km s-min=16.2km az=170.0. Karelia.
HEL Event type kh. Error ellipse: s-maj=1.3km s-min=6.0km az=-1.0. Explosion.
BER Event type sh. Error ellipse: s-maj=10.1km s-min=23.2km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=42.5km s-min=8.2km az=101.0.
(547) Czech and Slovak Republics
KRSZO I 12 10 42 51.6–1.1 48.55N 20.78E 0 1.7L
¶610094876
KRSZO Event type kx. Error ellipse: s-maj=8.9km s-min=4.8km az=168.0. Explosion.
(536) Sweden
HEL I 12 23 06 24.4–.50 67.16N 20.64E 0 1.1L
¶616063578
HEL Event type kh. Error ellipse: s-maj=2.2km s-min=7.8km az=-1.0. Explosion.
(326) Southwestern Siberia
ISC I 12 23 37 10.1–.64 52.92N–.02 88.00E–.02 0 110 0-55
ASRS I 12 23 37 09.6–.24 53N–1.0 88E–1.0 2–2 3.5L ¶610068611
IDC I 12 23 37 10.6–1.4 52.97N 87.95E 0 3.7,3.7b
MOS I 12 23 37 11.6–3.0 52.92N 87.95E 11 4.1b,3.7b
NNC I 12 23 37 13.3–1.3 52.84N 87.73E 0 3.8b,3.4
ISC Event type sm.
ASRS Event type ke. Error ellipse: s-maj=3.2km s-min=2.1km az=78.6. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=16.0km s-min=12.2km az=109.0.
MOS Error ellipse: s-maj=9.6km s-min=5.2km az=88.7.
NNC Event type sm. Error ellipse: s-maj=11.0km s-min=4.5km az=77.0. Suspected Mining explosion.
(548) Poland
ISC I 13 05 59 52.9–1.2 51.34N–.05 16.10E–.03 0 45 1-4
VIE I 13 05 59 53.0 51.27N 16.08E 0 2.5L ¶610097424
PRU I 13 05 59 52.4–.00 51.41N 16.14E 0 2.5L
ISC Event type sr.
VIE Event type sr. 68 km WNW of Wroclaw . Suspected Mining induced.
PRU Event type ki.
(326) Southwestern Siberia
IDC I 13 06 50 45.4–3.1 53.83N 88.19E 0 2.9,2.6L
¶610133000
IDC Error ellipse: s-maj=26.8km s-min=16.8km az=61.0.
(326) Southwestern Siberia
IDC I 13 08 05 35.6–2.4 54.33N 86.13E 0 3.1,2.9L
¶610133003
IDC Error ellipse: s-maj=19.3km s-min=12.1km az=49.0.
(326) Southwestern Siberia
ISC I 13 09 16 08.8–5.7 53.7N–.20 88.1E–.30 0 5 2-8
IDC I 13 09 16 09.0–3.6 53.60N 88.02E 0 3.1,2.4L ¶610133010
NNC I 13 09 16 09.7–5.4 53.55N 87.92E 0 2.1b,1.7
ISC Event type sm.
IDC Error ellipse: s-maj=32.1km s-min=18.1km az=58.0.
NNC Event type sm. Error ellipse: s-maj=41.2km s-min=25.0km az=102.0. Suspected Mining explosion.
(536) Sweden
ISC I 13 10 54 40.9–.86 67.62N–.02 20.95E–.03 0 37 0-3
UPP I 13 10 54 41.7–.10 67.64N 21.02E 10–10 2.6L ¶611909058
HEL I 13 10 54 42.1–.40 67.64N 20.99E 0 1.4L
ISC Event type kh.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
HEL Event type kh. Error ellipse: s-maj=1.4km s-min=7.8km az=-1.0. Explosion.
(724) Baltic States-Belarus-Northwestern Russia
ISC I 13 16 31 41.6–1.0 67.68N–.04 34.21E–.05 0 48 0-12
HEL I 13 16 31 40.4–.20 67.86N 33.71E 0 2.0L ¶614403638
BER I 13 16 31 41.2–.78 67.57N 34.64E 0 1.9L
KOLA I 13 16 31 42.4 67.65N 34.22E 0 2.3L
IDC I 13 16 31 44.5–2.1 67.67N 33.73E 0 3.6,2.1L
ISC Event type kh.
HEL Event type kh. Error ellipse: s-maj=2.2km s-min=2.5km az=-1.0. Explosion.
BER Event type sh. Error ellipse: s-maj=5.2km s-min=13.6km az=-1.0. Suspected explosion.
KOLA Murmansk region, Kirovsk district .
IDC Error ellipse: s-maj=23.2km s-min=10.4km az=81.0.
(536) Sweden
ISC I 13 23 56 21.8–.81 67.19N–.02 20.73E–.02 0 41 0-4
BER I 13 23 56 22.0–.38 67.00N 20.71E 0 1.2L ¶611676048
UPP I 13 23 56 22.1–.10 67.19N 20.70E 1 2.6L
HEL I 13 23 56 22.3–.40 67.18N 20.65E 0 1.2L
ISC Event type kh.
BER Event type sh. Error ellipse: s-maj=3.0km s-min=2.8km az=-1.0. Suspected explosion.
UPP Event type ki. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Confirmed Induced event.
HEL Event type kh. Error ellipse: s-maj=1.4km s-min=8.8km az=-1.0. Explosion.
(536) Sweden
ISC I 14 00 27 41.8–.85 67.84N–.02 20.22E–.03 0 46 0-8
UPP I 14 00 27 41.5–.00 67.85N 20.21E 0 2.1L ¶610237322
HEL I 14 00 27 41.9–.10 67.84N 20.20E 0 1.8L
IDC I 14 00 27 42.3–1.1 67.77N 20.86E 0 3.1,2.1L
ISC Event type sh.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
HEL Event type sh. Error ellipse: s-maj=0.7km s-min=2.8km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=21.4km s-min=7.4km az=121.0.
(548) Poland
PRU I 14 06 26 21.6–.00 50.03N 19.11E 0
¶611654527
PRU Event type ki.
(329) Eastern Kazakhstan
ISC I 14 07 12 39.4–.96 50.02N–.05 78.60E–.08 0 28 1-6
NNC I 14 07 12 38.8–.53 49.99N 78.68E 0 3.0b,2.6 ¶610145043
IDC I 14 07 12 39.6–.91 50.07N 78.75E 0 2.7,2.3L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=16.0km s-min=2.0km az=75.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=11.5km s-min=6.2km az=60.0.
(548) Poland
ISC I 14 08 40 39.8–.64 50.18N–.03 19.17E–.02 0 85 0-20
IDC I 14 08 40 41.4–1.0 49.95N 19.14E 0 3.3,2.7L ¶610087859
MCSM I 14 08 40 41.1–.60 50N–5.0 19E–2.0 6–5 3.4L,2.7L
VIE I 14 08 40 41.8 50.00N 19.17E 0 2.5b,2.4L
PRU I 14 08 40 41.9–.00 50.16N 19.03E 0 2.5b,2.4L
IPEC I 14 08 40 41.4–.17 50.19N 19.10E 1 2.5L,2.4L
ISC Event type sr.
IDC Error ellipse: s-maj=18.0km s-min=7.2km az=152.0.
VIE Event type sr. 30 km S of Sosnowice . Suspected Mining induced.
PRU Event type ki.
IPEC Event type ki. Error ellipse: s-maj=2.5km s-min=1.0km az=167.0.
(536) Sweden
ISC I 15 00 29 52.7–.81 67.78N–.03 20.20E–.03 0 38 0-4
UPP I 15 00 29 53.1–.10 67.83N 20.20E 0 2.6L ¶611909086
HEL I 15 00 29 53.2–.40 67.80N 20.13E 0 1.5L
ISC Event type kh.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
HEL Event type kh. Error ellipse: s-maj=1.4km s-min=7.3km az=-1.0. Explosion.
(536) Sweden
ISC I 15 01 23 48.4–.83 67.85N–.03 20.29E–.03 0 32 0-3
UPP I 15 01 23 49.4–.00 67.85N 20.20E 0 2.6L ¶611909090
HEL I 15 01 23 50.1–.10 67.85N 20.21E 0 1.4L
ISC Event type kh.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
HEL Event type kh. Error ellipse: s-maj=0.5km s-min=2.6km az=-1.0. Explosion.
(329) Eastern Kazakhstan
ISC I 15 07 09 02.2–.98 50.04N–.05 77.71E–.06 0 11 1-6
NNC I 15 07 09 06.3–3.7 50.04N 78.29E 0 3.1b,2.8 ¶610147490
IDC I 15 07 09 07.0–1.0 50.06N 78.83E 0 3.1,2.5L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=52.4km s-min=8.4km az=83.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=14.0km s-min=7.3km az=59.0.
(329) Eastern Kazakhstan
ISC I 15 07 27 01.3–1.2 51.7N–.10 75.9E–.10 0 12 2-6
IDC I 15 07 26 58.4–1.1 51.69N 75.36E 0 2.5,2.0L ¶610147491
NNC I 15 07 27 01.2–.64 51.40N 75.52E 0 3.2b,2.9
ISC Event type sm.
IDC Error ellipse: s-maj=34.7km s-min=9.3km az=30.0.
NNC Event type sm. Error ellipse: s-maj=16.4km s-min=4.2km az=25.0. Suspected Mining explosion.
(326) Southwestern Siberia
ISC I 16 05 16 48.5–4.3 54.3N–.20 86.7E–.20 0 13 1-8
IDC I 16 05 16 47.6–2.6 54.35N 86.92E 0 3.2,2.9L ¶610147663
NNC I 16 05 16 47.2–2.6 54.30N 86.90E 0 3.1b,2.9
ISC Event type sm.
IDC Error ellipse: s-maj=22.2km s-min=14.7km az=60.0.
NNC Event type sm. Error ellipse: s-maj=24.8km s-min=14.3km az=2.0. Suspected Mining explosion.
(326) Southwestern Siberia
ISC I 16 06 18 57.9–2.7 52.88N–.07 87.5E–.20 0 13 2-7
NNC I 16 06 19 06.3–5.8 54.35N 87.28E 0 3.3b,3.1 ¶610237490
IDC I 16 06 19 07.8–2.6 54.49N 87.04E 0 3.5,3.1L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=51.6km s-min=32.1km az=6.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=21.9km s-min=16.3km az=55.0.
(326) Southwestern Siberia
ISC I 16 06 54 34.5–3.3 54.3N–.20 83.77E–.08 0 13 1-8
NNC I 16 06 54 29.1–2.4 54.20N 86.53E 0 2.7b,2.5 ¶610147669
IDC I 16 06 54 30.1–2.5 54.10N 86.59E 0 3.1,2.8L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=22.3km s-min=12.1km az=7.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=19.6km s-min=12.3km az=58.0.
(329) Eastern Kazakhstan
ISC I 16 10 02 53.2–.97 51.6N–.10 75.15E–.08 0 10 2-9
NNC I 16 10 02 52.7–.93 51.81N 75.48E 0 3.0b,2.6 ¶610147678
IDC I 16 10 02 57.3–1.3 51.67N 75.70E 0 2.5,1.6L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=32.1km s-min=5.6km az=27.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=29.5km s-min=10.1km az=32.0.
(329) Eastern Kazakhstan
ISC I 16 10 56 27.0–1.1 51.7N–.10 75.44E–.06 0 10 2-7
NNC I 16 10 56 25.6–1.4 51.66N 75.41E 0 3.0b,2.5 ¶610147684
IDC I 16 10 56 27.4–1.0 51.75N 75.53E 0 2.4,1.7L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=55.3km s-min=8.5km az=26.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=34.4km s-min=7.4km az=29.0.
(536) Sweden
DNK I 16 13 17 15.8–.49 58.10N 13.30E 0 1.2L
¶612284834
DNK Event type kh. Error ellipse: s-maj=1.0km s-min=1.8km az=-1.0. Explosion.
(535) Southern Norway
BER I 16 13 18 07.1–1.6 60.69N 5.50E 0 1.3L
¶616063593
BER Event type sh. Error ellipse: s-maj=2.2km s-min=6.3km az=-1.0. Suspected explosion.
(536) Sweden
HEL I 16 17 24 06.2–.70 67.80N 20.24E 0 1.0L
¶616063595
HEL Event type kh. Error ellipse: s-maj=2.8km s-min=13.2km az=-1.0. Explosion.
(536) Sweden
UPP I 16 17 24 32.0–.20 67.14N 20.68E 0 2.0L
¶611909101
UPP Event type ki. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Confirmed Induced event.
(536) Sweden
HEL I 16 19 49 28.0–.40 67.79N 20.07E 0 1.1L
¶615520683
HEL Event type kh. Error ellipse: s-maj=1.7km s-min=8.1km az=-1.0. Explosion.
(536) Sweden
ISC I 17 00 24 48.8–.81 67.81N–.03 20.36E–.03 0 42 0-4
HEL I 17 00 24 48.8–.30 67.84N 20.03E 0 1.5L ¶611909104
UPP I 17 00 24 49.5–.10 67.83N 20.20E 0 2.5L
ISC Event type kh.
HEL Event type kh. Error ellipse: s-maj=1.2km s-min=5.2km az=-1.0. Explosion.

UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
(320) Kyrgyzstan-Xinjiang border region
NNC I 17 06 10 59.2–7.7 41.39N 78.00E 0 3.4b,2.9
SOME I 17 06 10 58.0 42.43N 81.33E 0 3.4b,2.9 **¶612033187**
NNC Event type sm. Error ellipse: s-maj=105.7km s-min=45.3km az=105.0. Suspected Mining explosion.
(536) Sweden
ISC I 17 06 16 01.9–.75 67.83N–.02 20.28E–.03 0 50 0-8
IDC I 17 06 15 60.0–1.5 67.89N 19.67E 0 2.8,1.8L **¶610237574**
UPP I 17 06 16 02.7–.10 67.83N 20.21E 0 2.2L,1.8L
HEL I 17 06 16 03.4–.00 67.83N 20.20E 1 2.2L,1.8L
BER I 17 06 16 05.3–1.7 67.90N 20.29E 0–9 1.8L,1.8L
ISC Event type ki.
IDC Error ellipse: s-maj=22.2km s-min=11.6km az=110.0.
UPP Event type ki. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Confirmed Induced event.
HEL Event type ki. Error ellipse: s-maj=0.3km s-min=0.2km az=-1.0. Confirmed Induced event.
BER Event type ki. Error ellipse: s-maj=6.1km s-min=11.4km az=-1.0. Confirmed Induced event.
(326) Southwestern Siberia
ISC I 17 07 32 23.4–4.1 53.8N–.10 88.5E–.20 0 11 2-8
NNC I 17 07 32 23.6–3.1 53.63N 88.44E 0 3.4b,3.0 **¶610148188**
IDC I 17 07 32 25.5–3.0 53.75N 88.18E 0 3.0,2.4L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=21.1km s-min=12.2km az=77.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=26.0km s-min=16.7km az=64.0.
(326) Southwestern Siberia
IDC I 17 07 34 06.6–2.5 54.11N 86.46E 0 3.0,2.8L
NNC I 17 07 33 56.8–2.4 54.16N 87.18E 0 2.8b,2.7 **¶610148189**
IDC Error ellipse: s-maj=20.5km s-min=12.5km az=62.0.
NNC Event type sm. Error ellipse: s-maj=17.3km s-min=8.4km az=82.0. Suspected Mining explosion.
(329) Eastern Kazakhstan
ISC I 17 07 53 42.7–2.2 50.01N–.08 78.6E–.30 0 12 1-6
IDC I 17 07 53 42.8–1.0 50.05N 78.76E 0 2.7,2.3L **¶610148195**
NNC I 17 07 53 42.4–1.6 50.02N 78.57E 0 3.0b,2.5
ISC Event type sm.
IDC Error ellipse: s-maj=13.2km s-min=6.5km az=64.0.
NNC Event type sm. Error ellipse: s-maj=36.2km s-min=3.5km az=77.0. Suspected Mining explosion.
(326) Southwestern Siberia
NNC I 17 08 42 38.9–2.3 53.78N 90.60E 0 3.6b,3.3
¶612033202
NNC Event type sm. Error ellipse: s-maj=17.3km s-min=11.2km az=84.0. Suspected Mining explosion.
(721) Finland
ISC I 17 09 59 18.5–.89 67.68N–.04 27.06E–.03 0 28 1-3
UPP I 17 09 59 21.7–1.6 67.68N 27.04E 0 2.5L **¶611676091**
BER I 17 09 59 21.9–1.6 67.60N 26.92E 0 1.6L
KOLA I 17 09 59 23.4 67.79N 27.05E 0 2.2L
ISC Event type sh.
UPP Error ellipse: s-maj=0.1km s-min=0.3km az=-1.0.
BER Event type sh. Error ellipse: s-maj=10.7km s-min=17.4km az=-1.0. Suspected explosion.
KOLA Finland, Lapland.
(723) Finland-Karelia border region
ISC I 17 10 25 10.5–.88 64.74N–.02 30.56E–.04 0 53 1-9
HEL I 17 10 25 08.7–.20 64.70N 30.78E 0 2.1L **¶610237586**
KOLA I 17 10 25 11.9 64.73N 30.23E 0 2.1L
IDC I 17 10 25 12.4–2.4 64.75N 30.31E 0 2.9,1.9L
ISC Event type kh.
HEL Event type kh. Error ellipse: s-maj=0.8km s-min=3.6km az=-1.0. Explosion.
KOLA Error ellipse: s-maj=27.4km s-min=13.7km az=150.0. Karelia,Finland, Oulu area.
IDC Error ellipse: s-maj=40.5km s-min=7.8km az=97.0.
(536) Sweden
ISC I 18 00 59 34.5–.77 67.83N–.03 20.34E–.02 0 46 0-5
HEL I 18 00 59 34.6–.30 67.84N 20.09E 0 1.3L **¶611909112**
UPP I 18 00 59 35.2–.40 67.82N 20.21E 1–5 3.0L
DNK I 18 00 59 35.5–.44 67.82N 20.23E 0 3.0L
ISC Event type kh.
HEL Event type sh. Error ellipse: s-maj=1.5km s-min=6.9km az=-1.0. Suspected explosion.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
DNK Event type kh. Error ellipse: s-maj=1.4km s-min=2.1km az=-1.0. Explosion.
(326) Southwestern Siberia
ISC I 18 03 57 06.5–1.1 51.60N–.07 82.75E–.08 0 11 3-5
IDC I 18 03 57 06.5–1.3 51.49N 82.84E 0 2.7,2.2L **¶610159328**
NNC I 18 03 57 09.8–6.0 51.32N 82.40E 0 3.3b,2.9
ISC Event type sm.
IDC Error ellipse: s-maj=14.3km s-min=12.5km az=132.0.
NNC Event type sm. Error ellipse: s-maj=64.1km s-min=31.7km az=28.0. Suspected Mining explosion.
(724) Baltic States-Belarus-Northwestern Russia
ISC I 18 04 48 10.6–.90 67.58N–.03 33.86E–.04 0 48 0-12
KOLA I 18 04 48 11.7 67.60N 33.89E 0 1.9L **¶614403651**
HEL I 18 04 48 12.4–.10 67.69N 33.72E 0 1.7L
BER I 18 04 48 12.1–.60 67.12N 33.01E 0 2.0L
IDC I 18 04 48 17.1–2.0 67.55N 32.62E 0 3.5,2.2L
ISC Event type kh.
KOLA Error ellipse: s-maj=8.8km s-min=2.5km az=140.0. Khibiny, mines Rasvumchorr, Central.
HEL Event type kh. Error ellipse: s-maj=2.3km s-min=3.7km az=-1.0. Explosion.
BER Event type sh. Error ellipse: s-maj=6.0km s-min=16.1km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=22.1km s-min=8.8km az=84.0.
(326) Southwestern Siberia
ISC I 18 06 19 60.0–4.0 54.1N–.20 86.5E–.20 0 10 1-8
NNC I 18 06 19 58.3–2.2 54.08N 86.58E 0 2.5b,2.4 **¶610159330**
IDC I 18 06 19 59.8–2.5 54.08N 86.55E 0 3.1,2.9L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=22.9km s-min=10.4km az=9.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=20.7km s-min=12.3km az=59.0.
(326) Southwestern Siberia
ISC I 18 06 32 17.1–3.6 53.6N–.10 87.5E–.20 0 9 2-8
IDC I 18 06 32 17.6–2.8 53.47N 87.54E 0 3.0,2.6L **¶610159331**
NNC I 18 06 32 17.9–1.6 53.48N 87.45E 0 2.9b,2.7
ISC Event type sm.
IDC Error ellipse: s-maj=24.4km s-min=13.6km az=66.0.
NNC Event type sm. Error ellipse: s-maj=14.4km s-min=6.4km az=49.0. Suspected Mining explosion.
(326) Southwestern Siberia
ISC I 18 06 36 00.4–4.2 54.0N–.20 86.5E–.20 0 9 1-8
NNC I 18 06 35 57.5–2.7 54.09N 86.68E 0 2.7b,2.6 **¶610159332**
IDC I 18 06 36 00.4–2.5 54.02N 86.55E 0 3.0,2.6L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=29.6km s-min=12.9km az=9.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=20.0km s-min=11.3km az=67.0.
(326) Southwestern Siberia
ISC I 18 07 06 04.1–4.4 54.3N–.20 86.0E–.20 0 9 1-8
NNC I 18 07 06 01.1–1.8 54.35N 86.16E 0 3.3b,2.4 **¶610159334**
IDC I 18 07 06 03.0–2.3 54.28N 86.09E 0 3.2,2.8L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=28.0km s-min=9.2km az=160.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=17.8km s-min=10.9km az=54.0.
(326) Southwestern Siberia
IDC I 18 07 35 28.1–2.9 54.59N 86.41E 0 3.0,2.8L
NNC I 18 07 35 26.1–1.8 54.64N 86.42E 0 3.1b,2.9 **¶610159337**
IDC Error ellipse: s-maj=22.0km s-min=13.8km az=47.0.
NNC Event type sm. Error ellipse: s-maj=30.9km s-min=9.7km az=148.0. Suspected Mining explosion.
(326) Southwestern Siberia
ISC I 18 07 47 44.8–4.4 54.2N–.20 87.3E–.20 0 12 1-10
NNC I 18 07 47 44.2–3.5 54.08N 87.38E 0 3.2b,3.0 **¶610159338**
IDC I 18 07 47 45.6–2.8 54.12N 87.43E 0 3.1,2.6L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=32.3km s-min=16.9km az=20.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=24.6km s-min=15.1km az=67.0.
(326) Southwestern Siberia
NNC I 18 09 01 06.8–5.9 53.84N 90.50E 0 3.6b,3.3
¶612033244
NNC Event type sm. Error ellipse: s-maj=46.6km s-min=34.3km az=19.0. Suspected Mining explosion.
(381) Central Italy
ISC I 18 09 25 41.6–.51 42.56N–.01 13.27E–.01 9–2 5.3b,4.9s 2062 0-156
BGR I 18 09 25 37.2–.55 42.12N 13.75E 10 5.8L,4.9s **¶611831613**
MOS I 18 09 25 40.6–.95 42.74N 13.22E 10 5.4b,4.8s
BEO I 18 09 25 40.6–.50 42.51N 13.21E 0 5.2L,4.8s
PDG I 18 09 25 40.9–.54 42.60N 13.31E 13–0 5.4,5.3L
ROM I 18 09 25 40.4–.03 42.545N–.00 13.277E–.00 10–0 5.4L,5.1W
IDC I 18 09 25 40.6–.41 42.70N 13.15E 0 4.8,4.8b
MED_R I 18 09 25 40.0–.20 42.48N 13.21E 11–0 5.3W,4.8b
PRU I 18 09 25 40.4–.00 42.52N 13.15E 10 5.3,4.8b
TIR I 18 09 25 41.2 42.32N 13.26E 4–4 5.5,5.5L
GCMT I 18 09 25 41.7–.10 42.45N–.01 13.27E–.01 12 5.4W,5.5L
LDG I 18 09 25 41.4–.14 42.52N 13.19E 9 5.2L,4.8
NEIC I 18 09 25 41.6–1.7 42.66N–.05 13.21E–.06 10–1 5.3,5.3b
BGS I 18 09 25 42.1–4.4 42.68N 13.20E 10 5.3W,5.3b
STR I 18 09 25 43.1–.59 43N–5.0 13E–4.0 10 5.4,5.3b
BUG I 18 09 25 44.5–.60 42.76N 13.36E 9 6.4L,5.3b
BNS I 18 09 25 44.6–.50 42.75N 13.29E 10 5.4L,5.3b
NEIC I 18 09 25 46 42.56N 13.22E 12 5.4L,5.3b
ISC Event type se.
BGR Event type ke. Error ellipse: s-maj=10.0km s-min=7.8km az=45.0.
MOS Error ellipse: s-maj=4.7km s-min=2.9km az=72.6.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.4km s-min=0.4km az=0.0.
ROM Event type se. Error ellipse: s-maj=0.2km s-min=0.0km az=65.0. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-5.41 $M_{\theta\theta}$0.86 $M_{\phi\phi}$4.55 $M_{r\theta}$1.44 $M_{\theta\phi}$-2.75 $M_{\phi r}$-2.46 NP1: ϕ_s153.00000°,δ32.00000°,λ-88.00000°. NP2:ϕ_s331.00000°,δ58.00000°,λ-91.00000°. $M_0$6.38513×10^{16}
IDC Error ellipse: s-maj=8.5km s-min=7.4km az=119.0.
MED_R Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=35s. Moment Tensor Solution. Body waves: s10,c11; Mantle waves: s39,c71;Duration: 1^s7 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.20±.03 $M_{\theta\theta}$0.29±.02; $M_{\phi\phi}$0.91±.02; $M_{r\theta}$-0.14±.07; $M_{\theta\phi}$-0.54±.02; $M_{\phi r}$-0.26±.06; Best double couple: NP1:ϕ_s341.00000°,δ50.00000°,λ-75.00000°. NP2:ϕ_s138.00000°,δ43.00000°,λ-107.00000°. Principal axes: T 1.2300,Plg4.0000°,Azm60.0000°; N 0.0300,Plg12.0000°,Azm151.0000° ; P -1.2600,Plg78.0000°,Azm313.0000° $M_0$1.25000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s123,c203; s147,c282;Duration: 1^s2 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.25±.01 $M_{\theta\theta}$0.22±.02; $M_{\phi\phi}$1.03±.01; $M_{r\theta}$0.00±.04; $M_{\theta\phi}$-0.47±.01; $M_{\phi r}$-0.69±.04; Best double couple: NP1:ϕ_s346.00000°,δ59.00000°,λ-79.00000°. NP2:ϕ_s145.00000°,δ33.00000°,λ-108.00000°. Principal axes: T 1.3970,Plg14.0000° ,Azm68.0000°; N 0.0570,Plg10.0000°,Azm161.0000°; P -1.4500,Plg73.0000°,Azm285.0000° $M_0$1.42300×10^{17}
LDG Event type ke. Error ellipse: s-maj=4.8km s-min=3.0km az=38.0.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=6.4km az=199.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.97 $M_{\theta\theta}$0.29 $M_{\phi\phi}$0.68 $M_{r\theta}$0.06 $M_{\theta\phi}$-0.34 $M_{\phi r}$0.85 NP1:ϕ_s170.96000°,δ66.57000°,λ-75.28000°. NP2:ϕ_s317.51000°,δ27.45000° ,λ-120.38000°. Principal axes: T 1.1382,Plg20.0000°,Azm250.0000°; N 0.2108,Plg13.0000° ,Azm345.0000°; P -1.3490,Plg65.0000°,Azm106.0000° $M_0$1.26000×10^{17}
BGS Error ellipse: s-maj=220.2km s-min=199.1km az=-1.0.
STR Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=157.6. manual. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. preliminary.
BUG Event type ki.
BNS Event type ke.
NEIC Event type se. Moment Tensor Solution.Duration: 10^s4 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.18 $M_{\theta\theta}$0.31 $M_{\phi\phi}$0.87 $M_{r\theta}$-0.17 $M_{\theta\phi}$-0.54 $M_{\phi r}$0.03 NP1:ϕ_s335.00000°,δ43.00000° ,λ-80.00000°. NP2:ϕ_s142.00000°,δ48.00000°,λ-98.00000°. Principal axes: T 1.2026,Plg3.0000°,Azm238.0000°; N -0.0058,Plg6.0000°,Azm148.0000° ; P -1.1968,Plg83.0000°,Azm351.0000° $M_0$1.20000×10^{17}
(713) Central Kazakhstan
ISC I 18 09 51 45.5–2.2 43.87N–.08 69.95E–.09 0 29 1-7
KRNET I 18 09 51 45.0–.10 43.85N 69.97E 3.1b **¶612033248**
SOME I 18 09 51 45.6 43.65N 69.72E 3.1b
NNC I 18 09 51 46.3–.81 43.67N 69.73E 0 3.7b,3.3
ISC Event type sm.
SOME Event type kx.
NNC Event type sm. Error ellipse: s-maj=5.0km s-min=3.3km az=86.0. Suspected Mining explosion.
(381) Central Italy
ISC I 18 10 14 11.3–.42 42.54N–.01 13.27E–.01 10–2 5.6b,5.4s 2286 0-167
TIR I 18 10 14 00.9 43.50N 12.74E 9–6 5.9L,5.8 **¶611831611**
BGR I 18 10 14 05.3–.66 42.00N 13.61E 10 6.0L,5.8
LDG I 18 10 14 08.6–.21 42.59N 13.40E 9 5.4L,4.9
ROM I 18 10 14 09.9–.03 42.531N–.00 13.284E–.00 10–0 5.5W,5.4L
IDC I 18 10 14 09.4–.37 42.61N 13.18E 0 5.3s,5.1
MOS I 18 10 14 09.4–.87 42.63N 13.24E 9 5.8b,5.4s
PRU I 18 10 14 09.5–.00 42.46N 13.14E 10 5.7,5.4s
PDG I 18 10 14 10.2–.32 42.55N 13.32E 11–4 5.7,5.6L
BEO I 18 10 14 10.2–.50 42.51N 13.21E 0 5.6L,5.6L
NEIC I 18 10 14 11.0–1.1 42.60N–.05 13.23E–.06 7–1 5.8,5.7b
BGS I 18 10 14 10.8–4.3 42.60N 13.23E 7 5.7W,5.7b
MED_R I 18 10 14 10.0–.10 42.52N 13.26E 10 5.7W,5.7b
GCMT I 18 10 14 12.0–.10 42.47N–.01 13.29E–.01 12 5.7W,5.7b
STR I 18 10 14 14.0–1.1 43N–6.0 13E–8.0 10 5.5,5.7b
BNS I 18 10 14 14.5–.49 42.74N 13.33E 10 5.4L,5.7b
BUG I 18 10 14 14.4–.60 42.70N 13.23E 9 6.6L,5.7b
NEIC I 18 10 14 15 42.60N 13.24E 12 6.6L,5.7b
ISC Event type se.
BGR Event type ke. Error ellipse: s-maj=11.1km s-min=10.0km az=94.0.
LDG Event type ke. Error ellipse: s-maj=5.8km s-min=3.4km az=60.0.
ROM Event type se. Error ellipse: s-maj=0.2km s-min=0.1km az=65.0. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-2.05 $M_{\theta\theta}$0.21 $M_{\phi\phi}$1.83 $M_{r\theta}$-0.07 $M_{\theta\phi}$-0.78 $M_{\phi r}$0.48 NP1: ϕ_s335.00000°,δ39.00000°,λ-95.00000°. NP2:ϕ_s161.00000°,δ51.00000°,λ-86.00000°. $M_0$2.14980×10^{17}
IDC Error ellipse: s-maj=8.4km s-min=7.5km az=124.0.
MOS Error ellipse: s-maj=4.4km s-min=2.8km az=73.0.
PDG Event type ke. Error ellipse: s-maj=2.8km s-min=7.1km az=0.0.
BEO Event type ke.
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=6.9km az=204.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-4.39 $M_{\theta\theta}$1.10 $M_{\phi\phi}$3.29 $M_{r\theta}$-0.41 $M_{\theta\phi}$-1.51 $M_{\phi r}$1.37 NP1:ϕ_s155.99000°,δ54.28000°,λ-86.61000°. NP2:ϕ_s330.19000° ,δ35.86000°,λ-94.70000°. Principal axes: T 4.2840,Plg9.0000°,Azm244.0000° ; N 0.3446,Plg3.0000°,Azm334.0000°; P -4.6286,Plg80.0000°,Azm80.0000° $M_0$4.47000×10^{17} Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-2.67 $M_{\theta\theta}$-0.16 $M_{\phi\phi}$2.84 $M_{r\theta}$0.59 $M_{\theta\phi}$-0.82 $M_{\phi r}$-0.37 NP1:ϕ_s334.85000°,δ51.01000°,λ-104.25000°. NP2:ϕ_s176.83000°,δ41.12000°,λ-73.08000°. Principal axes: T 3.0915,Plg5.0000° ,Azm75.0000°; N -0.2815,Plg11.0000°,Azm344.0000°; P -2.8101,Plg78.0000° ,Azm189.0000° $M_0$2.96000×10^{17}
BGS Error ellipse: s-maj=187.8km s-min=97.0km az=-1.0.
MED_R Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=30s. nsta2 refers to surface waves, cutoff=35s. Moment Tensor Solution. Body waves: s16,c21; Mantle waves: s44,c83;Duration: 1^s6 Moment tensor: Scale 10^{17}Nm; M_{rr}-4.04±.05 $M_{\theta\theta}$0.72±.05; $M_{\phi\phi}$3.32±.05; $M_{r\theta}$0.07±.22; $M_{\theta\phi}$-1.66±.04; $M_{\phi r}$-0.12±.21; Best double couple: NP1:ϕ_s334.00000°,δ46.00000°,λ-90.00000°. NP2:ϕ_s154.00000°,δ44.00000°,λ-90.00000°.

Principal axes: T 4.1300,Plg1.0000°,Azm64.0000°; N -0.0900,Plg0.0000°,Azm334.0000° ; P -4.0400,Plg89.0000°,Azm237.0000° $M_0$4.09000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s131,c257; s170,c375;Duration: 1^s8 Moment tensor: Scale 10^{17}Nm; M_{rr}-4.57±.04 $M_{\theta\theta}$0.65±.05; $M_{\phi\phi}$3.91±.04; $M_{r\theta}$0.07±.13; $M_{r\phi}$-1.63±.04; $M_{\theta\phi}$-1.49±.11; Best double couple: NP1:ϕ_s343.00000°,δ54.00000°,λ-83.00000°. NP2:ϕ_s152.00000°,δ37.00000°,λ-100.00000°. Principal axes: T 4.7970,Plg9.0000° ,Azm68.0000°; N 0.0270,Plg6.0000°,Azm159.0000°; P -4.8320,Plg80.0000°,Azm283.0000° $M_0$4.81500×10^{17}
STR Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=119.1. manual. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. preliminary.
BNS Event type ke.
BUG Event type ki.
NEIC Event type se. Moment Tensor Solution.Duration: 8^s0 Moment tensor: Scale 10^{17}Nm; M_{rr}-4.83 $M_{\theta\theta}$1.03 $M_{\phi\phi}$3.80 $M_{r\theta}$0.01 $M_{r\phi}$-1.73 $M_{\theta\phi}$1.85 NP1:ϕ_s326.00000°,δ36.00000° ,λ-103.00000°. NP2:ϕ_s163.00000°,δ55.00000°,λ-80.00000°. Principal axes: T 4.9210,Plg10.0000°,Azm246.0000°; N 0.3140,Plg8.0000°,Azm337.0000° ; P -5.2349,Plg77.0000°,Azm106.0000° $M_0$5.09000×10^{17}

(536) Sweden
DNK I 18 11 24 11.1–.70 56.55N 13.92E 0 1.2L ¶612284850
DNK Event type kh. Error ellipse: s-maj=1.9km s-min=3.3km az=-1.0. Explosion.

(721) Finland
HEL I 18 12 00 03.4–.10 63.97N 28.22E 0 1.2L ¶615520752
HEL Event type kh. Error ellipse: s-maj=1.0km s-min=2.0km az=-1.0. Explosion.

(721) Finland
HEL I 18 12 02 57.6–.20 62.84N 27.52E 0 1.4L ¶615520754
HEL Event type kh. Error ellipse: s-maj=1.4km s-min=3.0km az=-1.0. Explosion.

(381) Central Italy
ISC I 18 15 16 11.1–.54 42.60N–.01 13.26E–.01 10–3 4.6b,3.7s 862 0-128
BGR I 18 15 16 07.4–.60 42.13N 13.70E 10 4.7L,3.7s ¶611831601
MOS I 18 15 16 09.8–1.2 42.63N 13.25E 11 4.7b,3.7s
ROM I 18 15 16 10.4–.03 42.600N–.00 13.288E–.00 9–0 4.3L,4.3W
NEIC I 18 15 16 10.7–1.5 42.59N–.04 13.29E–.06 10–1 4.7b,4.3
IDC I 18 15 16 10.8–.59 42.77N 13.17E 0 4.3b,4.2
STR I 18 15 16 11.3–1.9 43N–11 13E–13 10 4.5,4.2
LDG I 18 15 16 12.0–.14 42.49N 13.23E 10 3.7L,4.2
PRU I 18 15 16 12.5–.00 42.59N 13.33E 10 4.6,4.2
PDG I 18 15 16 12.3–.99 42.66N 13.31E 14–4 4.5L,4.2
BEO I 18 15 16 12.5–.50 42.63N 13.35E 0 4.3L,4.2
MED_R I 18 15 16 13.0–.40 42.51N 13.00E 10 4.6W,4.2
BUG I 18 15 16 13.1–.90 42.54N 12.66E 10 5.2L,4.2
ISC Event type se.
BGR Event type ke. Error ellipse: s-maj=12.2km s-min=11.1km az=26.0.
MOS Error ellipse: s-maj=5.6km s-min=3.4km az=79.8.
ROM Event type se. Error ellipse: s-maj=0.2km s-min=0.1km az=66.0. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-2.61 $M_{\theta\theta}$0.65 $M_{\phi\phi}$1.96 $M_{r\theta}$-1.36 $M_{r\phi}$-1.42 $M_{\theta\phi}$0.04 NP1: ϕ_s347.00000°,δ41.00000°,λ-58.00000°. NP2:ϕ_s127.00000°,δ57.00000°,λ-115.00000°. $M_0$3.06433×10^{15}
NEIC Event type se. Error ellipse: s-maj=8.0km s-min=6.5km az=227.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=11.3km s-min=9.8km az=77.0.
STR Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=130.8. manual. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. preliminary.
LDG Event type ke. Error ellipse: s-maj=4.6km s-min=3.0km az=39.0.
PDG Event type ke. Error ellipse: s-maj=1.7km s-min=2.0km az=0.0.
BEO Event type ke.
MED_R Error ellipse: s-maj=4.4km s-min=3.3km az=-1.0. nsta1 refers to body waves. nsta2 refers to surface waves, cutoff=35s. Moment Tensor Solution. Mantle waves: s15,c17;Duration: 1^s0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.55±.03 $M_{\theta\theta}$0.24±.03; $M_{\phi\phi}$0.32±.03; $M_{r\theta}$-0.41±.11; $M_{r\phi}$-0.25±.02; $M_{\theta\phi}$0.59±.14; Best double couple: NP1:ϕ_s144.00000°,δ72.00000°,λ-87.00000°. NP2:ϕ_s316.00000°,δ19.00000°,λ-98.00000°. Principal axes: T 0.8900,Plg26.0000° ,Azm232.0000°; N 0.0300,Plg3.0000°,Azm323.0000°; P -0.9100,Plg63.0000°,Azm58.0000° $M_0$0.90000×10^{16}
BUG Event type ki.

(381) Central Italy
ISC I 18 19 32 32.7–.61 42.58N–.01 13.20E–.02 13–3 4.5b,3.6s 881 0-128
STR I 18 19 32 26.6–.65 42N–10 12E–8.0 10 5.0b,3.6s ¶612618570
BGR I 18 19 32 28.9–.57 42.18N 13.64E 10 4.6L,3.6s
MOS I 18 19 32 31.6–1.0 42.74N 13.20E 10 4.7b,3.6s
ROM I 18 19 32 31.9–.03 42.581N–.00 13.233E–.00 11–0 4.3L,4.2W
IDC I 18 19 32 31.2–.64 42.68N 13.11E 0 4.2b,4.1
PDG I 18 19 32 32.1–.56 42.61N 13.26E 12–0 4.4L,4.1
PRU I 18 19 32 32.0–.00 42.58N 13.11E 10 4.6,4.1
MED_R I 18 19 32 32.0–.40 42.58N 13.24E 13–1 4.4W,4.1
NEIC I 18 19 32 33.5–2.4 42.66N–.06 13.19E–.07 10–1 4.6b,4.2
LDG I 18 19 32 33.0–.16 42.49N 13.16E 13 3.6L,4.2
BEO I 18 19 32 34.6–.50 42.67N 13.35E 5–9 4.3L,4.2
BUG I 18 19 32 48.2–.80 43.39N 13.09E 13 4.9L,4.2
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s291.01431°,δ72.44954°,λ-90.67645°. NP2: ϕ_s113.25655°,δ17.56308°,λ-87.86219°. Principal axes: T Plg27.4465°,Azm21.5533° ; N Plg0.6450°,Azm291.2183°; P Plg62.5446°,Azm199.9768°
STR automatic. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91.
BGR Event type ke. Error ellipse: s-maj=8.9km s-min=8.9km az=79.0.
MOS Error ellipse: s-maj=5.6km s-min=3.2km az=75.4.
ROM Event type se. Error ellipse: s-maj=0.2km s-min=0.1km az=72.0. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-1.76 $M_{\theta\theta}$0.45 $M_{\phi\phi}$1.31 $M_{r\theta}$0.55 $M_{r\phi}$-1.12 $M_{\theta\phi}$-1.44 NP1: ϕ_s134.00000°,δ27.00000°,λ-109.00000°. NP2:ϕ_s335.00000°,δ65.00000°,λ-81.00000°. $M_0$2.47074×10^{15}
IDC Error ellipse: s-maj=11.6km s-min=10.4km az=67.0.
PDG Event type ke. Error ellipse: s-maj=0.4km s-min=0.5km az=0.0.
MED_R nsta1 refers to body waves. nsta2 refers to surface waves, cutoff=35s. Moment Tensor Solution. Mantle waves: s23,c27;Duration: 1^s0 Moment tensor: Scale 10^{15}Nm; M_{rr}-4.69±.63 $M_{\theta\theta}$2.39±.38; $M_{\phi\phi}$2.29±.37; $M_{r\theta}$0.85±.44; $M_{r\phi}$-2.23±.20; $M_{\theta\phi}$-2.36±.51; Best double couple: NP1:ϕ_s326.00000°,δ59.00000°,λ-78.00000°. NP2:ϕ_s124.00000°,δ33.00000°,λ-109.00000°. Principal axes: T 5.1000,Plg13.0000°,Azm47.0000°; N 0.3000,Plg10.0000°,Azm140.0000° ; P -5.4200,Plg73.0000°,Azm266.0000° $M_0$5.26000×10^{15}
NEIC Event type se. Error ellipse: s-maj=11.0km s-min=7.5km az=216.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
LDG Event type ke. Error ellipse: s-maj=4.9km s-min=3.5km az=38.0.
BEO Event type ke.
BUG Event type ki.

(536) Sweden
ISC I 19 00 34 03.0–.82 67.79N–.03 20.22E–.03 0 32 0-3
UPP I 19 00 34 02.9–.10 67.82N 20.19E 0 2.7L ¶611909123
HEL I 19 00 34 03.0–.40 67.78N 20.22E 0 1.3L
ISC Event type kh.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
HEL Event type kh. Error ellipse: s-maj=1.9km s-min=9.2km az=-1.0. Explosion.

(536) Sweden
ISC I 19 00 39 03.6–.77 67.83N–.03 20.21E–.02 0 52 0-8
IDC I 19 00 39 03.9–1.2 67.83N 20.44E 0 3.2,2.1L ¶610237695
UPP I 19 00 39 03.5–.10 67.83N 20.21E 0 2.2L,2.1L
HEL I 19 00 39 03.5–.10 67.83N 20.13E 0 1.8L,2.1L
ISC Event type kh.
IDC Error ellipse: s-maj=21.7km s-min=8.5km az=119.0.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
HEL Event type kh. Error ellipse: s-maj=0.7km s-min=2.7km az=-1.0. Explosion.

(536) Sweden
ISC I 19 00 41 17.1–.78 67.87N–.02 20.31E–.03 0 50 0-4
UPP I 19 00 41 17.8–.10 67.85N 20.19E 0 2.9L ¶611909124
DNK I 19 00 41 18.2–.33 67.85N 20.20E 0 2.9L
HEL I 19 00 41 18.2–.20 67.84N 20.17E 0 1.8L
ISC Event type kh.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
DNK Event type kh. Error ellipse: s-maj=1.8km s-min=1.9km az=-1.0. Explosion.
HEL Event type kh. Error ellipse: s-maj=1.0km s-min=4.0km az=-1.0. Explosion.

(536) Sweden
ISC I 19 00 47 23.2–.84 67.77N–.03 20.25E–.03 0 29 0-3
UPP I 19 00 47 23.7–.10 67.84N 20.21E 0 2.7L ¶611909125
HEL I 19 00 47 23.4–.30 67.84N 20.06E 0 1.2L
ISC Event type kh.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
HEL Event type kh. Error ellipse: s-maj=1.2km s-min=5.3km az=-1.0. Explosion.

(326) Southwestern Siberia
ISC I 19 06 03 01.2–3.6 54.3N–.20 86.6E–.10 0 11 1-8
IDC I 19 06 03 03.0–2.5 54.13N 86.52E 0 3.2,2.9L ¶610172060
NNC I 19 06 03 02.7–.65 54.12N 86.50E 0 2.8b,2.7
ISC Event type sm.
IDC Error ellipse: s-maj=20.1km s-min=11.8km az=60.0.
NNC Event type sm. Error ellipse: s-maj=3.7km s-min=2.5km az=68.0. Suspected Mining explosion.

(326) Southwestern Siberia
NNC I 19 08 07 04.2–1.4 54.50N 86.30E 0 2.7b,2.6
IDC I 19 08 07 07.6–2.4 54.17N 86.32E 0 3.0,2.9L ¶610172065
NNC Event type sm. Error ellipse: s-maj=36.2km s-min=7.4km az=151.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=18.7km s-min=11.3km az=59.0.

(326) Southwestern Siberia
NNC I 19 09 08 58.9–2.1 54.63N 87.33E 0 3.1b,2.9
IDC I 19 09 09 04.4–3.2 54.38N 86.92E 0 3.0,2.6L ¶610172070
NNC Event type sm. Error ellipse: s-maj=17.3km s-min=14.2km az=155.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=28.5km s-min=17.5km az=58.0.

(329) Eastern Kazakhstan
ISC I 19 09 56 29.9–1.0 51.6N–.20 75.3E–.10 0 13 2-9
NNC I 19 09 56 28.1–.49 51.72N 75.43E 0 3.3b,2.9 ¶610172075
IDC I 19 09 56 30.7–1.1 51.63N 75.50E 0 2.8,2.1L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=20.7km s-min=3.0km az=28.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=32.8km s-min=8.2km az=30.0.

(536) Sweden
HEL I 19 12 38 46.2–.20 67.82N 20.16E 0 1.4L ¶615520793
HEL Event type kh. Error ellipse: s-maj=0.8km s-min=3.9km az=-1.0. Explosion.

(536) Sweden
ISC I 19 12 39 46.4–.80 67.84N–.03 20.32E–.03 0 42 0-4
DNK I 19 12 39 47.8–.45 67.82N 20.22E 0 2.8L ¶611909134
HEL I 19 12 39 47.3–.30 67.77N 20.31E 0 1.8L
UPP I 19 12 39 47.4–.10 67.82N 20.21E 0 2.8L
ISC Event type kh.
DNK Event type sh. Error ellipse: s-maj=2.1km s-min=2.7km az=-1.0. Suspected explosion.
HEL Event type kh. Error ellipse: s-maj=1.1km s-min=6.5km az=-1.0. Explosion.
UPP Event type ki. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Confirmed Induced event.

(536) Sweden
ISC I 19 14 05 57.4–.83 67.78N–.03 20.25E–.03 0 32 0-3
UPP I 19 14 05 57.7–.10 67.82N 20.21E 0 2.7L ¶611909137
HEL I 19 14 05 57.4–.30 67.77N 20.22E 0 1.4L
ISC Event type kh.
UPP Event type ki. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Confirmed Induced event.
HEL Event type kh. Error ellipse: s-maj=1.5km s-min=6.8km az=-1.0. Explosion.

(536) Sweden
HEL I 19 14 30 06.9–.20 63.27N 18.61E 0 1.4L ¶615520801
HEL Event type kh. Error ellipse: s-maj=1.7km s-min=3.8km az=-1.0. Explosion.

(548) Poland
ISC I 19 19 27 12.8–.70 51.66N–.03 16.07E–.02 0 140 1-12
IPEC I 19 19 27 13.5–.25 51.60N 16.09E 0 2.6L ¶610105702
DNK I 19 19 27 14.2–2.0 51.65N 16.23E 13–73 2.2L
IDC I 19 19 27 15.0–.88 51.53N 15.92E 0 3.2,2.7L
PRU I 19 19 27 14.8–.00 51.55N 15.98E 0 3.2,2.7L
BGR I 19 19 27 15.5–.41 51.50N 15.97E 1 3.0L,2.7L
VIE I 19 19 27 16.1 51.42N 16.03E 0 2.9b,2.7L
ISC Event type sr.
IPEC Event type ki. Error ellipse: s-maj=2.0km s-min=1.1km az=33.0.
DNK Error ellipse: s-maj=49.7km s-min=64.7km az=-1.0.
IDC Error ellipse: s-maj=12.9km s-min=8.3km az=111.0.
PRU Event type ki.
BGR Event type ki. Error ellipse: s-maj=4.4km s-min=2.2km az=18.0.
VIE Event type sr. 77 km WNW of Wroclaw . Suspected Mining induced.

(536) Sweden
ISC I 20 00 40 27.8–.82 67.78N–.03 20.31E–.03 0 44 0-4
HEL I 20 00 40 27.7–.30 67.84N 20.01E 0 1.7L ¶611909149
DNK I 20 00 40 28.7–.36 67.82N 20.20E 0 2.8L
UPP I 20 00 40 28.3–.00 67.82N 20.19E 0 2.8L
ISC Event type kh.
HEL Event type kh. Error ellipse: s-maj=1.3km s-min=5.2km az=-1.0. Explosion.
DNK Event type kh. Error ellipse: s-maj=1.2km s-min=2.1km az=-1.0. Explosion.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.

(330) Lake Issyk-Kul region
ISC I 20 04 46 12.1–1.1 42.04N–.04 78.45E–.03 0 67 0-4
SOME I 20 04 46 10.7 41.95N 78.50E 10 ¶612033320
KRNET I 20 04 46 11.6–.10 41.92N 78.44E 14 2.4b
NNC I 20 04 46 11.8–.90 42.04N 78.53E 0 3.2b,3.0
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=6.2km s-min=3.3km az=165.0. Suspected Mining explosion.

(326) Southwestern Siberia
ISC I 20 09 38 08.0–3.8 55.9N–.20 86.1E–.20 0 14 2-10
NNC I 20 09 38 06.8–5.9 56.13N 85.75E 0 3.5b,3.1 ¶610184241
IDC I 20 09 38 07.4–2.6 55.86N 86.40E 0 3.2,2.6L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=47.9km s-min=41.7km az=102.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=23.7km s-min=18.0km az=68.0.

(329) Eastern Kazakhstan
ISC I 20 10 39 31.9–1.1 51.7N–.10 75.67E–.06 0 9 2-9
NNC I 20 10 39 31.3–1.9 51.62N 75.46E 0 3.2b,2.7 ¶610184250
IDC I 20 10 39 32.0–1.1 51.82N 75.70E 0 2.6,2.0L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=67.9km s-min=12.1km az=26.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=26.5km s-min=9.6km az=33.0.

(724) Baltic States-Belarus-Northwestern Russia
HEL I 20 12 00 15.6–.10 68.09N 33.19E 0 1.6L
BER I 20 12 00 15.8–.93 67.89N 33.23E 0 1.5L ¶615190388
HEL Event type kh. Error ellipse: s-maj=1.6km s-min=1.6km az=-1.0. Explosion.
BER Event type kh. Error ellipse: s-maj=8.6km s-min=19.0km az=-1.0. Suspected explosion.

(721) Finland
HEL I 20 12 01 07.1–.20 65.80N 24.68E 0 1.4L ¶615520832
HEL Event type kh. Error ellipse: s-maj=1.3km s-min=4.2km az=-1.0. Explosion.

(536) Sweden
ISC I 20 18 05 06.3–.76 67.09N–.02 20.93E–.03 0 61 0-8
UPP I 20 18 05 06.6–.10 67.08N 20.94E 0 2.3L ¶610234954
IDC I 20 18 05 06.7–.96 67.03N 21.52E 0 3.0,1.9L
HEL I 20 18 05 07.4–.30 67.10N 21.06E 0 2.1L,1.9L
ISC Event type kh.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=17.6km s-min=7.2km az=106.0.
HEL Event type kh. Error ellipse: s-maj=1.3km s-min=6.8km az=-1.0. Explosion.

(460) Wyoming
ISC I 20 21 02 41.9–.97 43.79N–.05 105.32W–.04 0 23 1-20

IDC I 20 21 02 40.5–2.1 43.64N 105.37W 0 3.2,3.2L ¶610234960
NEIC I 20 21 02 42.4–.91 43.81N–.05 105.27W–.04 0–2 3.3L,3.2L
ISC Event type sm.
NEIC Event type sm. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(536) Sweden
ISC I 20 23 51 54.5–.83 67.79N–.03 20.26E–.02 0 42 0-4
HEL I 20 23 51 54.5–.40 67.86N 20.07E 0 1.1L ¶611909162
UPP I 20 23 51 55.0–.00 67.82N 20.21E 0 3.0L
DNK I 20 23 51 55.4–.37 67.82N 20.22E 0 3.0L
ISC Event type kh.
HEL Event type kh. Error ellipse: s-maj=1.8km s-min=8.6km az=-1.0. Explosion.
UPP Event type ki. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Confirmed Induced event.
DNK Event type sh. Error ellipse: s-maj=0.9km s-min=1.9km az=-1.0. Suspected explosion.

(536) Sweden
ISC I 21 00 29 54.4–.81 67.79N–.03 20.35E–.03 0 37 0-3
HEL I 21 00 29 54.7–.30 67.84N 20.05E 0 1.6L ¶611909163
UPP I 21 00 29 55.3–.10 67.82N 20.21E 0 2.5L
ISC Event type kh.
HEL Event type kh. Error ellipse: s-maj=1.3km s-min=5.6km az=-1.0. Explosion.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.

(536) Sweden
ISC I 21 00 36 06.6–.77 67.83N–.02 20.35E–.03 0 49 0-8
HEL I 21 00 36 07.2–.30 67.86N 20.02E 0 1.8L ¶610234968
UPP I 21 00 36 07.9–.10 67.85N 20.20E 0 2.5L
IDC I 21 00 36 09.2–1.3 67.77N 20.59E 0 2.8,1.9L
ISC Event type kh.
HEL Event type kh. Error ellipse: s-maj=1.3km s-min=5.3km az=-1.0. Explosion.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=18.9km s-min=9.3km az=115.0.

(536) Sweden
ISC I 21 00 40 14.6–.81 67.80N–.03 20.24E–.02 0 40 0-3
HEL I 21 00 40 14.7–.20 67.86N 20.13E 0 1.1L ¶611909164
UPP I 21 00 40 14.7–.10 67.83N 20.20E 0 2.9L
DNK I 21 00 40 15.0–.45 67.84N 20.20E 0 2.9L
ISC Event type kh.
HEL Event type kh. Error ellipse: s-maj=0.9km s-min=4.6km az=-1.0. Explosion.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
DNK Event type kh. Error ellipse: s-maj=2.1km s-min=2.5km az=-1.0. Explosion.

(536) Sweden
ISC I 21 00 46 07.4–.78 67.83N–.03 20.36E–.02 0 52 0-4
UPP I 21 00 46 08.3–.10 67.84N 20.21E 0 3.0L ¶611909165
DNK I 21 00 46 08.7–.32 67.84N 20.22E 0 3.0L
HEL I 21 00 46 08.9–.10 67.83N 20.23E 0 1.5L
ISC Event type kh.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
DNK Event type kh. Error ellipse: s-maj=1.2km s-min=1.4km az=-1.0. Explosion.
HEL Event type kh. Error ellipse: s-maj=0.7km s-min=3.0km az=-1.0. Explosion.

(548) Poland
PRU I 21 02 28 51.0–.00 50.12N 19.27E 0
¶611654612
PRU Event type ki.

(548) Poland
ISC I 21 02 56 10.5–.76 50.27N–.03 18.82E–.02 0 79 0-7
IPEC I 21 02 56 11.6–.18 50.25N 18.80E 1 2.7L ¶610105730
VIE I 21 02 56 11.5 50.26N 18.79E 0 2.8L,2.4b
PRU I 21 02 56 12.2–.00 50.25N 18.73E 0 2.8L,2.4b
ISC Event type sr.
IPEC Event type ki. Error ellipse: s-maj=2.3km s-min=1.1km az=165.0.
VIE Event type sr. 14 km W of Katowice . Suspected Mining induced.
PRU Event type ki.

(536) Sweden
ISC I 21 06 22 56.3–.94 67.19N–.02 20.73E–.03 0 34 0-2
DNK I 21 06 22 57.5–.79 67.18N 20.61E 0 3.0L ¶611909166
HEL I 21 06 22 57.9–.40 67.16N 20.63E 0 1.2L
UPP I 21 06 22 57.1–.10 67.18N 20.62E 0 3.0L
ISC Event type kh.
DNK Event type sh. Error ellipse: s-maj=2.0km s-min=6.7km az=-1.0. Suspected explosion.
HEL Event type kh. Error ellipse: s-maj=1.5km s-min=7.5km az=-1.0. Explosion.
UPP Event type ki. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Confirmed Induced event.

(548) Poland
ISC I 21 07 42 29.3–.82 51.59N–.03 16.14E–.03 0 57 1-5
DNK I 21 07 42 28.9–1.8 51.48N 16.16E 10 2.8L ¶610105737
IPEC I 21 07 42 29.7–.24 51.57N 16.24E 1 2.2L
PRU I 21 07 42 31.2–.00 51.52N 16.10E 0 2.2L
VIE I 21 07 42 32.1 51.42N 16.17E 0 2.4L,2.4b
ISC Event type sr.
DNK Error ellipse: s-maj=14.1km s-min=43.6km az=-1.0.
IPEC Event type ki. Error ellipse: s-maj=1.7km s-min=1.0km az=34.0.
PRU Event type ki.
VIE Event type sr. 69 km WNW of Wroclaw . Suspected Mining induced.

(724) Baltic States-Belarus-Northwestern Russia
HEL I 21 11 20 54.3–.30 67.58N 30.50E 0 1.7L
KOLA I 21 11 20 53.9 67.33N 30.43E 0 2.1L ¶615316590
HEL Event type kh. Error ellipse: s-maj=1.3km s-min=4.6km az=-1.0. Explosion.
KOLA Error ellipse: s-maj=28.7km s-min=5.9km az=10.0. Murmansk region, Kandalsksha district,Murmansk region, Kovdor district.

(24) Alberta
ISC I 21 20 35 18.5–.76 50.26N–.03 114.79W–.04 0 36 1-12
IDC I 21 20 35 18.2–6.5 50.03N 113.84W 0 3.4,3.4L ¶610235016
PGC I 21 20 35 21.5 50.12N 114.91W 0 3.2L,3.4L
ISC Event type km.
IDC Error ellipse: s-maj=103.7km s-min=54.4km az=70.0.
PGC Event type km. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 92km northeast of Cranbrook, Bc Alberta, Canada Mining explosion.

(460) Wyoming
ISC I 21 21 39 17.5–1.0 43.64N–.05 105.09W–.06 0 34 1-20
IDC I 21 21 39 17.7–2.3 43.59N 105.25W 0 3.2,3.0L ¶610105748
NEIC I 21 21 39 19.3–2.0 43.61N–.05 105.17W–.07 0–2 3.1L,3.0L
ISC Event type sm.
NEIC Event type sm. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(536) Sweden
ISC I 22 00 34 10.5–.80 67.83N–.03 20.33E–.02 0 36 0-3
HEL I 22 00 34 11.9–.00 67.83N 20.21E 0 1.7L ¶611909171
UPP I 22 00 34 11.5–.10 67.84N 20.21E 0 2.5L
ISC Event type kh.
HEL Event type kh. Error ellipse: s-maj=0.2km s-min=0.3km az=-1.0. Explosion.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.

(536) Sweden
ISC I 22 02 31 29.3–.82 67.80N–.03 20.32E–.04 0 29 0-4
UPP I 22 02 31 30.3–.10 67.82N 20.21E 0 2.7L ¶611909173
HEL I 22 02 31 30.1–.30 67.77N 20.27E 0 1.1L
ISC Event type kh.
UPP Event type ki. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Confirmed Induced event.
HEL Event type kh. Error ellipse: s-maj=1.4km s-min=7.2km az=-1.0. Explosion.

(536) Sweden
ISC I 22 10 05 23.4–.78 67.85N–.02 20.24E–.02 0 48 0-4
HEL I 22 10 05 23.7–.20 67.83N 20.17E 0 1.8L ¶611909175
UPP I 22 10 05 23.3–.10 67.82N 20.21E 4–4 2.5L
ISC Event type sh.
HEL Event type sh. Error ellipse: s-maj=1.0km s-min=4.4km az=-1.0. Suspected explosion.
UPP Event type ki. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Confirmed Induced event.

(536) Sweden
ISC I 22 16 28 59.7–.84 67.77N–.03 20.27E–.03 0 28 0-4
HEL I 22 16 29 00.0–.30 67.79N 20.07E 0 1.0L ¶611909176
UPP I 22 16 29 00.2–.10 67.83N 20.21E 0 2.6L
ISC Event type kh.
HEL Event type kh. Error ellipse: s-maj=1.4km s-min=6.7km az=-1.0. Explosion.
UPP Event type ki. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Confirmed Induced event.

(536) Sweden
ISC I 22 16 48 00.7–.81 67.77N–.03 20.28E–.02 0 42 0-4
UPP I 22 16 48 00.9–.10 67.82N 20.21E 0 3.0L ¶611909177
DNK I 22 16 48 01.3–.38 67.82N 20.21E 0 3.0L
HEL I 22 16 48 01.0–.40 67.84N 20.11E 0 1.1L
ISC Event type kh.
UPP Event type ki. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Confirmed Induced event.
DNK Event type sh. Error ellipse: s-maj=1.8km s-min=2.3km az=-1.0. Suspected explosion.
HEL Event type kh. Error ellipse: s-maj=1.7km s-min=8.5km az=-1.0. Explosion.

(548) Poland
ISC I 22 19 08 09.9–.45 51.56N–.02 16.09E–.02 0 3.5b 292 1-75
MCSM I 22 19 08 11.7–.50 52N–3.0 16E–4.0 8–2 3.7L ¶610105251
LDG I 22 19 08 11.6–.16 51.51N 16.17E 1 3.8L
IDC I 22 19 08 11.3–.55 51.51N 15.98E 0 3.7,3.7b
IPEC I 22 19 08 12.0–.24 51.51N 16.18E 1 3.4L,3.7b
DNK I 22 19 08 12.8–2.2 51.72N 16.34E 0–137 3.0L,3.7b
VIE I 22 19 08 12.3 51.51N 16.22E 0 3.8s,3.7L
BGR I 22 19 08 13.2–.37 51.47N 16.13E 1 3.6L,3.7L
UPP I 22 19 08 15.4–3.1 51.69N 15.21E 0 2.7L,3.7L
ISC Event type sr.
LDG Event type sr. Error ellipse: s-maj=4.1km s-min=2.1km az=10.0. Suspected Mining induced.
IDC Error ellipse: s-maj=9.8km s-min=6.6km az=105.0.
IPEC Event type ki. Error ellipse: s-maj=2.0km s-min=1.1km az=37.0.
DNK Error ellipse: s-maj=109.9km s-min=70.3km az=-1.0.
VIE Event type sr. 72 km NW of Wroclaw . Suspected Mining induced.
BGR Event type ki. Error ellipse: s-maj=4.4km s-min=2.2km az=21.0.
UPP Error ellipse: s-maj=0.2km s-min=0.4km az=-1.0.

(548) Poland
ISC I 22 19 18 26.2–1.1 51.52N–.05 16.14E–.02 0 63 1-5
VIE I 22 19 18 26.6 51.50N 16.23E 0 3.7s,2.6L ¶610105768
PRU I 22 19 18 27.4–.00 51.47N 16.09E 0 3.7s,2.6L
ISC Event type sr.
VIE Event type sr. 70 km NW of Wroclaw . Suspected Mining induced.
PRU Event type ki.

(536) Sweden
ISC I 22 21 41 52.5–.81 67.79N–.03 20.27E–.03 0 39 0-4
UPP I 22 21 41 52.8–.10 67.86N 20.22E 0 2.6L ¶611909178
HEL I 22 21 41 53.2–.20 67.82N 20.21E 0 1.4L
ISC Event type kh.
UPP Event type ki. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Confirmed Induced event.
HEL Event type kh. Error ellipse: s-maj=0.9km s-min=4.2km az=-1.0. Explosion.

(536) Sweden
HEL I 22 23 03 40.0–.30 67.15N 20.62E 0 1.4L
¶616063570
HEL Event type kh. Error ellipse: s-maj=1.1km s-min=5.2km az=-1.0. Explosion.

(536) Sweden
ISC I 22 23 10 44.6–.77 67.21N–.02 20.79E–.02 0 51 1-4
UPP I 22 23 10 45.0–.80 67.17N 20.67E 1–4 2.7L ¶611676177
HEL I 22 23 10 45.0–.20 67.16N 20.64E 0 1.6L
BER I 22 23 10 47.1–1.7 67.06N 21.01E 0 1.4L
ISC Event type sh.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
HEL Event type sh. Error ellipse: s-maj=0.9km s-min=4.9km az=-1.0. Suspected explosion.
BER Event type sh. Error ellipse: s-maj=12.2km s-min=16.0km az=-1.0. Suspected explosion.

(536) Sweden
ISC I 23 00 24 33.1–.79 67.82N–.02 20.30E–.02 0 43 0-4
DNK I 23 00 24 33.7–.39 67.83N 20.21E 0 2.8L ¶611909181
UPP I 23 00 24 33.3–.10 67.83N 20.20E 0 2.8L
ISC Event type kh.
DNK Event type kh. Error ellipse: s-maj=1.9km s-min=2.3km az=-1.0. Explosion.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.

(536) Sweden
UPP I 23 00 24 38.6–.10 67.86N 20.19E 0 2.3L
HEL I 23 00 24 39.4–.30 67.98N 21.04E 0 1.7L ¶611909184
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
HEL Event type kh. Error ellipse: s-maj=1.6km s-min=6.3km az=-1.0. Explosion.

(536) Sweden
UPP I 23 04 19 47.7–.10 67.19N 20.69E 0 2.6L
HEL I 23 04 19 48.0–.20 67.18N 20.60E 0 1.4L ¶611909186
UPP Event type ki. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Confirmed Induced event.
HEL Event type kh. Error ellipse: s-maj=0.8km s-min=3.9km az=-1.0. Explosion.

(329) Eastern Kazakhstan
ISC I 23 05 57 54.3–1.3 49.47N–.05 83.35E–.10 0 8 2-5
SOME I 23 05 57 54.0 49.43N 83.40E 0 ¶612033480
NNC I 23 05 58 01.9–.55 49.34N 82.85E 0 3.0b,2.6
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=7.3km s-min=4.0km az=86.0. Suspected Mining explosion.

(326) Southwestern Siberia
NNC I 23 07 03 26.3–1.3 54.64N 83.69E 0 3.5b,2.6
¶612033487
NNC Event type sm. Error ellipse: s-maj=8.5km s-min=4.8km az=170.0. Suspected Mining explosion.

(366) Turkey
ISK I 23 11 08 21.7 38.74N 35.74E 0–0 1.5L
¶610913231
ISK Event type sm. Suspected Mining explosion.

(713) Central Kazakhstan
NNC I 23 11 33 36.4–.61 50.89N 73.65E 0 3.5,3.2b
¶612033506
NNC Event type sm. Error ellipse: s-maj=10.6km s-min=2.8km az=28.0. Suspected Mining explosion.

(460) Wyoming
ISC I 23 21 02 46.8–.95 43.78N–.06 105.25W–.07 0 44 1-90
NEIC I 23 21 02 47.1–1.0 43.79N–.03 105.24W–.09 0–2 3.2L ¶610235224
IDC I 23 21 02 47.5–1.7 43.86N 105.65W 0 3.8b,3.4
ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=10.8km s-min=4.5km az=91.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=42.1km s-min=9.8km az=147.0.

(329) Eastern Kazakhstan
ISC I 24 07 11 16.6–2.1 50.1N–.10 82.3E–.10 0 11 1-6
SOME I 24 07 11 11.3 50.68N 82.45E 0 ¶612033525
NNC I 24 07 11 24.4–1.3 50.02N 81.99E 0 3.0b,2.6
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=17.7km s-min=4.0km az=46.0. Suspected Mining explosion.

(713) Central Kazakhstan
ISC I 24 08 44 00.9–1.6 50.35N–.07 73.55E–.09 0 11 3-8
SOME I 24 08 43 45.8 51.27N 72.68E 0 ¶612033531
NNC I 24 08 44 08.6–1.5 51.01N 73.76E 0 3.1b,2.8
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=22.6km s-min=5.5km az=27.0. Suspected Mining explosion.

(326) Southwestern Siberia
NNC I 24 09 18 21.8–3.0 54.21N 86.14E 0 3.6b,2.7
¶612033535
NNC Event type sm. Error ellipse: s-maj=30.3km s-min=15.0km az=178.0. Suspected Mining explosion.

(326) Southwestern Siberia
ISC I 24 09 41 34.0–4.2 53.7N–.20 86.8E–.20 0 8 1-7
IDC I 24 09 41 32.9–2.4 53.65N 86.90E 0 2.9,2.5L ¶610235257
NNC I 24 09 41 33.0–2.9 53.61N 86.91E 0 1.5,1.2b
ISC Event type sm.
IDC Error ellipse: s-maj=22.5km s-min=12.5km az=75.0.
NNC Event type sm. Error ellipse: s-maj=24.8km s-min=12.2km az=48.0. Suspected Mining explosion.

(713) Central Kazakhstan
ISC I 24 10 45 03.8–2.1 43.52N–.07 69.7E–.10 0 27 1-5
SOME I 24 10 44 59.8 43.72N 69.70E ¶612033543
KRNET I 24 10 45 00.2–.10 43.84N 69.99E 2.6b

NNC I 24 10 45 04.5–1.9 43.64N 69.93E 0 3.5b,3.1
ISC Event type sm.
SOME Event type kx.
NNC Event type sm. Error ellipse: s-maj=12.9km s-min=4.1km az=137.0. Suspected Mining explosion.
(724) Baltic States-Belarus-Northwestern Russia
ISC I 25 06 21 15.2–.82 67.66N–.03 33.77E–.03 0 67 0-7
KOLA I 25 06 21 15.5 67.69N 33.72E 0 2.7L ¶614403666
NAO I 25 06 21 15.7–1.1 67.61N 33.77E 3.2L
HEL I 25 06 21 15.4–.10 67.64N 33.76E 0 2.2L
BER I 25 06 21 17.1–3.3 67.60N 33.66E 0 3.2L,2.7L
ISC Event type kh.
KOLA Khibiny, mines Kirovsk, Yukspor.
HEL Event type kh. Error ellipse: s-maj=1.6km s-min=2.9km az=-1.0. Explosion.
BER Event type sh. Error ellipse: s-maj=4.6km s-min=34.1km az=-1.0. Suspected explosion.
(543) Germany
VIE I 25 08 07 18.9 48.76N 10.09E 0 2.3L,2.2b
¶611306573
VIE Event type sm. 31 km WSW of Noerdlingen . Suspected Mining explosion.
(536) Sweden
ISC I 25 08 31 43.4–.81 67.81N–.03 20.27E–.02 0 39 0-4
HEL I 25 08 31 43.0–.30 67.77N 20.02E 0 1.5L ¶611909215
DNK I 25 08 31 44.4–.42 67.82N 20.20E 0 2.9L
UPP I 25 08 31 44.0–.10 67.82N 20.18E 0 2.9L
ISC Event type kh.
HEL Event type kh. Error ellipse: s-maj=1.3km s-min=6.9km az=-1.0. Explosion.
DNK Event type sh. Error ellipse: s-maj=1.9km s-min=2.4km az=-1.0. Suspected explosion.
UPP Event type ki. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Confirmed Induced event.
(536) Sweden
HEL I 25 09 03 46.0–.30 65.58N 21.84E 0 1.3L
¶615520995
HEL Event type kh. Error ellipse: s-maj=1.1km s-min=5.3km az=-1.0. Explosion.
(456) Montana
ISC I 25 22 38 45.2–.94 45.10N–.06 106.73W–.05 0 30 2-9
IDC I 25 22 38 45.3–1.4 44.91N 106.72W 0 3.4,2.1L ¶610235348
NEIC I 25 22 38 47.0–2.3 45.03N–.05 106.74W–.04 0–2 3.0L,2.1L
ISC Event type sm.
NEIC Event type sm. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(536) Sweden
ISC I 26 00 19 28.8–.80 67.76N–.03 20.24E–.02 0 45 0-4
HEL I 26 00 19 29.4–.20 67.82N 20.15E 0 1.6L ¶611909222
UPP I 26 00 19 29.3–.00 67.84N 20.19E 0 2.7L
ISC Event type kh.
HEL Event type kh. Error ellipse: s-maj=1.1km s-min=4.2km az=-1.0. Explosion.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
(536) Sweden
ISC I 26 00 23 07.5–.83 67.81N–.03 20.30E–.03 0 29 0-3
UPP I 26 00 23 07.9–.00 67.81N 20.19E 0 2.7L ¶611909223
HEL I 26 00 23 08.9–.40 67.79N 20.40E 0 1.2L
ISC Event type kh.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
HEL Event type kh. Error ellipse: s-maj=1.8km s-min=8.9km az=-1.0. Explosion.
(326) Southwestern Siberia
ISC I 26 06 20 22.3–4.2 53.8N–.20 90.6E–.20 0 10 3-12
IDC I 26 06 20 20.3–3.6 53.83N 90.86E 0 3.1,2.8L ¶610235364
NNC I 26 06 20 25.1–8.8 53.30N 90.61E 0 3.2b,2.9
ISC Event type sm.
IDC Error ellipse: s-maj=31.0km s-min=23.4km az=41.0.
NNC Event type sm. Error ellipse: s-maj=71.6km s-min=50.3km az=40.0. Suspected Mining explosion.
(536) Sweden
ISC I 26 07 11 51.5–.86 67.81N–.03 20.28E–.03 0 25 0-4
UPP I 26 07 11 52.0–.00 67.82N 20.21E 0 2.6L ¶611909226
HEL I 26 07 11 52.7–.50 67.72N 20.29E 0 1.2L
ISC Event type kh.
UPP Event type ki. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Confirmed Induced event.
HEL Event type kh. Error ellipse: s-maj=2.4km s-min=6.8km az=-1.0. Explosion.
(713) Central Kazakhstan
ISC I 26 07 15 12.9–1.7 43.33N–.07 70.01E–.07 0 44 0-5
NNC I 26 07 15 09.1–.54 43.36N 69.86E 0 3.4b,3.0 ¶612033613
KRNET I 26 07 15 09.8–.10 43.39N 69.94E 3.0b,3.0
SOME I 26 07 15 09.9 43.37N 70.03E 3.0b,3.0
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=7.0km s-min=2.6km az=33.0. Suspected Mining explosion.
SOME Event type kx.
(326) Southwestern Siberia
ISC I 26 07 33 12.5–4.0 54.4N–.20 86.9E–.20 0 11 1-8
NNC I 26 07 33 11.3–7.1 54.28N 87.09E 0 2.9b,2.7 ¶610235370
IDC I 26 07 33 12.4–3.1 54.28N 87.10E 0 2.9,2.7L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=67.9km s-min=35.7km az=4.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=28.0km s-min=16.6km az=66.0.
(326) Southwestern Siberia
ISC I 26 07 55 13.1–5.1 54.2N–.20 86.6E–.20 0 11 1-10
NNC I 26 07 55 08.3–3.4 54.32N 87.01E 0 3.1b,2.9 ¶610235372
IDC I 26 07 55 09.9–2.8 54.26N 86.95E 0 3.1,2.7L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=38.7km s-min=17.3km az=179.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=24.7km s-min=14.9km az=65.0.
(326) Southwestern Siberia
ISC I 26 10 07 49.0–4.0 53.8N–.10 90.7E–.20 0 14 3-12
NNC I 26 10 07 47.9–3.8 53.82N 90.77E 0 3.6b,3.4 ¶610235377
IDC I 26 10 07 48.9–3.0 53.75N 90.76E 0 3.3,2.9L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=28.6km s-min=22.9km az=46.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=27.3km s-min=21.0km az=64.0.
(329) Eastern Kazakhstan
ISC I 26 11 11 08.1–1.4 51.8N–.10 76.03E–.08 0 11 2-6
NNC I 26 11 11 02.7–.91 51.72N 75.47E 0 3.2b,2.8 ¶610235380
IDC I 26 11 11 07.3–5.3 51.64N 75.65E 0 2.9,2.4L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=13.9km s-min=5.7km az=25.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=69.5km s-min=29.6km az=72.0.
(535) Southern Norway
ISC I 26 11 55 14.9–.78 59.34N–.03 10.95E–.03 0 38 0-2
DNK I 26 11 55 17.3–.88 59.35N 10.96E 2–3 ¶611676234
UPP I 26 11 55 17.2–.40 59.36N 10.99E 1 2.8L
BER I 26 11 55 18.3–1.3 59.34N 10.87E 0 1.3L
ISC Event type sh.
DNK Error ellipse: s-maj=2.3km s-min=6.8km az=-1.0.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0.
BER Event type sh. Error ellipse: s-maj=6.4km s-min=7.7km az=-1.0. Suspected explosion.
(536) Sweden
HEL I 26 13 39 25.9–.20 65.39N 20.77E 0 1.2L
¶615521045
HEL Event type kh. Error ellipse: s-maj=1.2km s-min=4.3km az=-1.0. Explosion.
(460) Wyoming
ISC I 26 15 43 09.5–1.1 44.34N–.05 105.44W–.06 0 25 1-9
IDC I 26 15 43 07.3–3.4 44.45N 105.62W 0 3.5L,2.2 ¶610235397
NEIC I 26 15 43 10.0–2.2 44.34N–.05 105.44W–.02 0–2 2.8L,2.2
ISC Event type sm.
NEIC Event type sm. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(724) Baltic States-Belarus-Northwestern Russia
HEL I 26 20 11 42.1–.40 67.67N 33.58E 0 0.9L
¶615521055
HEL Event type kh. Error ellipse: s-maj=5.2km s-min=8.2km az=-1.0. Explosion.
(460) Wyoming
ISC I 26 21 02 31.7–.56 43.75N–.03 105.31W–.03 0 4.2b 70 1-90
IDC I 26 21 02 29.8–1.6 43.55N 105.29W 0 3.9,3.9b ¶610235414
ANF I 26 21 02 32.0–.19 43.76N 105.32W 0 3.9L,3.9b
NEIC I 26 21 02 32.2–2.1 43.83N–.05 105.26W–.05 0–2 3.5L,3.9b
ISC Event type sm.
NEIC Event type sm. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(548) Poland
ISC I 26 21 51 13.9–.76 51.67N–.03 16.02E–.02 0 111 1-11
DNK I 26 21 51 12.7–1.4 51.51N 16.20E 15 2.7L ¶610147957
IPEC I 26 21 51 14.7–.24 51.64N 16.08E 1 2.7L
IDC I 26 21 51 15.9–1.2 51.53N 15.99E 0 3.1,2.4L
BGR I 26 21 51 16.2–.55 51.58N 15.99E 1 3.0L,2.4L
PRU I 26 21 51 16.0–.00 51.57N 15.99E 0 3.0L,2.4L
VIE I 26 21 51 21.4 51.28N 15.78E 0 2.7b,2.7L
ISC Event type sr.
DNK Error ellipse: s-maj=17.8km s-min=63.3km az=-1.0.
IPEC Event type ki. Error ellipse: s-maj=2.0km s-min=1.2km az=35.0.
IDC Error ellipse: s-maj=28.6km s-min=9.4km az=110.0.
BGR Event type ki. Error ellipse: s-maj=5.6km s-min=3.3km az=18.0.
PRU Event type ki.
VIE Event type sr. 72 km NE of Liberec . Suspected Mining induced.
(536) Sweden
ISC I 27 00 25 34.9–.86 67.79N–.02 20.29E–.03 0 44 0-4
DNK I 27 00 25 35.8–.41 67.83N 20.21E 0 2.8L ¶611909238
UPP I 27 00 25 35.4–.00 67.82N 20.20E 0 2.8L
HEL I 27 00 25 36.6–.50 67.83N 20.34E 0 1.7L
ISC Event type kh.
DNK Event type kh. Error ellipse: s-maj=0.8km s-min=2.9km az=-1.0. Explosion.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
HEL Event type kh. Error ellipse: s-maj=1.9km s-min=10.7km az=-1.0. Explosion.
(548) Poland
ISC I 27 00 28 39.6–.64 51.58N–.02 16.10E–.02 0 127 1-40
LDG I 27 00 28 39.7–.19 51.53N 16.10E 1 2.5L ¶610147958
IPEC I 27 00 28 40.5–.26 51.54N 16.15E 1 2.8L
DNK I 27 00 28 40.6–1.7 51.63N 16.10E 0–70 2.1L
PRU I 27 00 28 41.8–.00 51.50N 16.05E 0 2.1L
IDC I 27 00 28 41.6–.84 51.51N 15.97E 0 3.3,3.3b
BGR I 27 00 28 42.3–.33 51.47N 16.10E 1 3.0L,3.3b
ISC Event type sr.
LDG Event type sr. Error ellipse: s-maj=5.1km s-min=2.2km az=31.0. Suspected Mining induced.
IPEC Event type ki. Error ellipse: s-maj=2.1km s-min=1.1km az=36.0.
DNK Error ellipse: s-maj=59.7km s-min=67.8km az=-1.0.
PRU Event type ki.
IDC Error ellipse: s-maj=13.9km s-min=8.3km az=115.0.
BGR Event type ki. Error ellipse: s-maj=4.4km s-min=3.3km az=170.0.
(548) Poland
ISC I 27 05 26 16.3–.79 51.54N–.03 16.11E–.03 0 59 1-6
DNK I 27 05 26 15.9–1.6 51.48N 15.96E 3–67 2.0L ¶610147963
PRU I 27 05 26 18.5–.00 51.45N 16.11E 0 2.0L
VIE I 27 05 26 22.3 51.19N 16.06E 0 2.5b,2.5L
ISC Event type sr.
DNK Error ellipse: s-maj=58.0km s-min=46.6km az=-1.0.
PRU Event type ki.
VIE Event type sr. 67 km W of Wroclaw . Suspected Mining induced.
(326) Southwestern Siberia
NNC I 27 05 43 42.3–.47 54.43N 86.87E 0 2.9b,2.7
IDC I 27 05 43 43.6–2.8 54.35N 86.91E 0 2.9,2.5L ¶610235437
NNC Event type sm. Error ellipse: s-maj=5.7km s-min=2.5km az=169.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=22.9km s-min=15.6km az=61.0.
(326) Southwestern Siberia
ISC I 27 06 26 48.9–3.4 54.5N–.20 86.6E–.10 0 14 1-10
NNC I 27 06 26 47.8–1.3 54.52N 86.70E 0 3.5b,3.4 ¶610235438
IDC I 27 06 26 50.6–2.5 54.52N 86.49E 0 3.5,3.0L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=14.1km s-min=7.1km az=167.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=22.1km s-min=12.7km az=58.0.
(326) Southwestern Siberia
ISC I 27 06 50 30.4–4.0 53.8N–.10 88.1E–.20 0 9 2-8
IDC I 27 06 50 30.1–3.0 53.72N 88.15E 0 2.9,2.7L ¶610235440
NNC I 27 06 50 31.1–1.1 53.69N 88.06E 0 3.1b,2.8
ISC Event type sm.
IDC Error ellipse: s-maj=26.4km s-min=17.0km az=60.0.
NNC Event type sm. Error ellipse: s-maj=10.4km s-min=5.6km az=48.0. Suspected Mining explosion.
(326) Southwestern Siberia
ISC I 27 07 07 02.2–4.5 54.5N–.20 86.9E–.20 0 11 1-8
NNC I 27 07 07 00.7–1.6 54.52N 87.06E 0 3.0b,2.8 ¶610235443
IDC I 27 07 07 05.7–2.8 54.39N 86.82E 0 2.9,2.7L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=22.1km s-min=9.1km az=162.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=23.0km s-min=15.4km az=56.0.
(326) Southwestern Siberia
ISC I 27 07 19 14.1–1.8 53.04N–.04 85.89E–.10 0 12 1-7
NNC I 27 07 19 18.9–.70 54.22N 86.28E 0 3.3b,2.2 ¶610235445
IDC I 27 07 19 22.5–2.5 54.31N 85.95E 0 2.7,2.6L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=8.2km s-min=3.5km az=174.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=17.9km s-min=10.7km az=52.0.
(326) Southwestern Siberia
ISC I 27 08 21 06.8–4.7 54.1N–.20 86.3E–.20 0 12 1-10
NNC I 27 08 21 02.9–2.9 54.21N 86.70E 0 2.9b,2.8 ¶610235455
IDC I 27 08 21 06.2–2.3 54.07N 86.50E 0 3.3,3.1L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=33.2km s-min=14.5km az=3.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=18.7km s-min=11.9km az=59.0.
(326) Southwestern Siberia
NNC I 27 08 25 16.9–1.7 54.57N 86.36E 0 2.9b,2.7
IDC I 27 08 25 23.5–2.4 54.28N 86.10E 0 3.1,2.9L ¶610235456
NNC Event type sm. Error ellipse: s-maj=28.1km s-min=9.3km az=151.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=17.7km s-min=10.9km az=53.0.
(326) Southwestern Siberia
ISC I 27 08 36 17.9–4.3 54.2N–.20 86.4E–.20 0 11 1-8
NNC I 27 08 36 16.0–1.1 54.25N 86.59E 0 2.9b,2.8 ¶610235458
IDC I 27 08 36 19.2–2.4 54.12N 86.47E 0 3.2,3.0L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=11.6km s-min=6.0km az=0.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=19.2km s-min=12.4km az=55.0.
(326) Southwestern Siberia
ISC I 27 08 52 43.5–3.5 53.5N–.10 87.7E–.20 0 13 2-8
IDC I 27 08 52 42.1–2.9 53.54N 87.79E 0 2.8,2.6L ¶610235459
NNC I 27 08 52 42.9–2.0 53.44N 87.67E 0 3.0b,2.7
ISC Event type sm.
IDC Error ellipse: s-maj=24.0km s-min=14.7km az=59.0.
NNC Event type sm. Error ellipse: s-maj=16.5km s-min=10.3km az=61.0. Suspected Mining explosion.
(329) Eastern Kazakhstan
ISC I 27 09 02 42.9–1.1 51.62N–.07 75.16E–.08 0 11 2-7
NNC I 27 09 02 44.6–.57 51.72N 75.36E 0 3.1b,2.7 ¶610235461
IDC I 27 09 02 45.8–.96 51.56N 75.48E 0 2.8,2.1L
ISC Event type sm.

NNC Event type sm. Error ellipse: s-maj=11.9km s-min=4.3km az=22.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=29.0km s-min=7.6km az=30.0.
(326) Southwestern Siberia
ISC I 27 09 18 31.2–3.7 53.6N–.10 87.9E–.20 0 12 2-8
NNC I 27 09 18 30.5–1.3 53.55N 87.95E 0 3.2b,2.9 **¶610235464**
IDC I 27 09 18 32.5–2.9 53.53N 87.79E 0 3.0,2.7L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=10.7km s-min=6.5km az=60.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=26.2km s-min=14.5km az=61.0.
(326) Southwestern Siberia
IDC I 27 09 51 30.2–2.5 54.27N 86.15E 0 3.4,2.8L
¶610235468
IDC Error ellipse: s-maj=19.4km s-min=11.3km az=53.0.
(329) Eastern Kazakhstan
ISC I 27 09 58 11.9–1.2 51.6N–.20 75.3E–.10 0 9 2-9
NNC I 27 09 58 08.9–.65 51.81N 75.46E 0 3.1b,2.8 **¶610235470**
IDC I 27 09 58 13.0–1.5 51.79N 75.71E 0 2.6,1.5L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=39.0km s-min=3.6km az=27.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=34.9km s-min=12.2km az=32.0.
(326) Southwestern Siberia
ISC I 27 10 27 45.0–2.2 52.21N–.06 87.9E–.10 0 12 3-13
IDC I 27 10 27 34.2–3.2 53.60N 90.46E 0 2.8,2.5L **¶610235475**
NNC I 27 10 27 36.9–3.3 53.05N 90.46E 0 3.5b,3.1
ISC Event type sm.
IDC Error ellipse: s-maj=27.3km s-min=21.0km az=61.0.
NNC Event type sm. Error ellipse: s-maj=26.9km s-min=15.5km az=106.0. Suspected Mining explosion.
(336) Western Kazakhstan
ISC I 27 10 38 53.3–.97 53.32N–.06 62.96E–.04 0 13 4-35
IDC I 27 10 38 55.8–2.3 53.66N 63.13E 0 3.3,3.2b **¶610235476**
NNC I 27 10 38 56.9–1.3 53.16N 63.11E 0 3.1b,2.7
ISC Event type sm.
IDC Error ellipse: s-maj=49.7km s-min=9.4km az=27.0.
NNC Event type sm. Error ellipse: s-maj=22.8km s-min=4.1km az=152.0. Suspected Mining explosion.
(713) Central Kazakhstan
ISC I 27 11 08 37.9–1.3 43.86N–.05 69.68E–.06 0 28 1-10
KRNET I 27 11 08 43.3–.10 43.80N 69.99E 2.9b **¶612033668**
SOME I 27 11 08 43.9 43.58N 69.75E 2.9b
NNC I 27 11 08 44.5–.82 43.63N 69.81E 0 3.6b,3.2
ISC Event type sm.
SOME Event type kx.
NNC Event type sm. Error ellipse: s-maj=4.6km s-min=2.5km az=127.0. Suspected Mining explosion.
(464) Minnesota
ISC I 27 17 38 52.3–.79 47.57N–.05 92.74W–.05 0 40 1-19
NEIC I 27 17 38 52.7–1.5 47.60N–.02 92.74W–.05 0–2 2.8L **¶610235489**
IDC I 27 17 38 53.8–1.4 47.48N 92.82W 0 3.4,1.8L
ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=6.8km s-min=3.0km az=297.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=23.1km s-min=11.1km az=45.0.
(536) Sweden
ISC I 28 00 32 38.6–.84 67.85N–.03 20.22E–.02 0 38 0-3
DNK I 28 00 32 39.3–.45 67.85N 20.20E 0 2.8L **¶611909254**
UPP I 28 00 32 39.0–.00 67.86N 20.19E 0 2.8L
HEL I 28 00 32 39.5–.50 67.86N 20.15E 0 1.2L
ISC Event type kh.
DNK Event type kh. Error ellipse: s-maj=1.1km s-min=2.6km az=-1.0. Explosion.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
HEL Event type sh. Error ellipse: s-maj=1.9km s-min=9.2km az=-1.0. Suspected explosion.
(329) Eastern Kazakhstan
ISC I 28 10 07 18.4–.96 51.70N–.09 75.26E–.06 0 10 2-7
NNC I 28 10 07 19.1–1.4 51.72N 75.46E 0 3.0b,2.5 **¶610235551**
IDC I 28 10 07 21.7–1.2 51.72N 75.67E 0 2.6,1.9L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=20.5km s-min=8.4km az=19.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=23.8km s-min=9.8km az=31.0.
(536) Sweden
ISC I 28 10 59 32.3–.85 67.81N–.02 20.24E–.02 0 42 0-4
HEL I 28 10 59 32.8–.30 67.82N 20.14E 0 1.0L **¶611909255**
UPP I 28 10 59 32.6–.00 67.82N 20.21E 0 2.8L
DNK I 28 10 59 33.0–.42 67.82N 20.22E 0 2.8L
ISC Event type kh.
HEL Event type kh. Error ellipse: s-maj=1.3km s-min=6.3km az=-1.0. Explosion.
UPP Event type ki. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Confirmed Induced event.
DNK Event type sh. Error ellipse: s-maj=1.0km s-min=2.4km az=-1.0. Suspected explosion.
(460) Wyoming
ISC I 28 16 06 51.0–1.0 43.78N–.06 105.31W–.07 0 46 1-90
IDC I 28 16 06 51.9–1.9 43.95N 105.70W 0 3.5b,3.4 **¶610235573**
NEIC I 28 16 06 51.7–.96 43.78N–.05 105.31W–.04 0–1 3.1L,3.4
ISC Event type sm.
NEIC Event type sm. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(548) Poland
ISC I 28 23 23 38.2–.72 51.57N–.03 16.12E–.02 0 86 1-19
IPEC I 28 23 23 39.0–.26 51.52N 16.20E 0 2.3L,-1.0s **¶610147989**
DNK I 28 23 23 39.7–1.1 51.38N 16.15E 38–36 2.0L,-1.0s
VIE I 28 23 23 40.8 51.40N 16.21E 0 2.5b,2.4L
PRU I 28 23 23 41.5–.00 51.42N 16.06E 0 2.5b,2.4L
IDC I 28 23 23 41.1–1.1 51.55N 15.79E 0 3.8,2.3L
ISC Event type sr.
IPEC Event type ki. Error ellipse: s-maj=3.0km s-min=1.5km az=71.0.
DNK Error ellipse: s-maj=28.7km s-min=29.1km az=-1.0.
VIE Event type sr. 65 km WNW of Wroclaw . Suspected Mining induced.
PRU Event type ki.
IDC Error ellipse: s-maj=47.8km s-min=8.9km az=115.0.
(548) Poland
ISC I 29 00 21 02.9–.78 51.57N–.03 16.05E–.02 0 76 1-5
IPEC I 29 00 21 03.6–.34 51.51N 16.13E 0–1 2.4L **¶610147990**
DNK I 29 00 21 04.9–1.8 51.58N 15.97E 10 1.8L
VIE I 29 00 21 05.0 51.42N 16.03E 0 2.6L,2.4b
PRU I 29 00 21 05.4–.00 51.45N 16.01E 0 2.6L,2.4b
ISC Event type sr.
IPEC Event type ki. Error ellipse: s-maj=2.5km s-min=1.2km az=31.0.
DNK Error ellipse: s-maj=13.7km s-min=42.6km az=-1.0.
VIE Event type sr. 77 km WNW of Wroclaw . Suspected Mining induced.
PRU Event type ki.
(536) Sweden
ISC I 29 00 23 12.1–.81 67.83N–.02 20.22E–.02 0 40 0-4
UPP I 29 00 23 11.8–.10 67.84N 20.20E 0 2.7L **¶611909261**
HEL I 29 00 23 11.7–.30 67.79N 20.22E 0 1.7L
ISC Event type kh.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
HEL Event type kh. Error ellipse: s-maj=1.5km s-min=5.7km az=-1.0. Explosion.
(536) Sweden
ISC I 29 00 27 41.8–.80 67.85N–.02 20.22E–.03 0 42 0-4
UPP I 29 00 27 41.6–.10 67.84N 20.21E 0 2.5L **¶611909265**
HEL I 29 00 27 42.2–.20 67.83N 20.22E 0 1.4L
ISC Event type kh.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
HEL Event type kh. Error ellipse: s-maj=0.8km s-min=2.5km az=-1.0. Explosion.
(536) Sweden
ISC I 29 03 30 37.1–.84 67.81N–.03 20.31E–.03 0 33 0-4
UPP I 29 03 30 37.7–.00 67.83N 20.21E 0 2.5L **¶611909266**
HEL I 29 03 30 38.1–.20 67.79N 20.16E 0 1.0L
ISC Event type kh.
UPP Event type ki. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Confirmed Induced event.
HEL Event type kh. Error ellipse: s-maj=0.9km s-min=3.9km az=-1.0. Explosion.
(536) Sweden
ISC I 29 16 18 05.0–.89 67.21N–.02 20.78E–.03 0 36 0-3
HEL I 29 16 18 06.2–.20 67.19N 20.63E 0 1.4L **¶611676278**
BER I 29 16 18 06.1–1.8 67.00N 20.78E 0 1.5L
UPP I 29 16 18 06.1–.10 67.17N 20.75E 0 2.5L
ISC Event type kh.
HEL Event type kh. Error ellipse: s-maj=0.8km s-min=1.4km az=-1.0. Explosion.
BER Event type sh. Error ellipse: s-maj=12.1km s-min=17.5km az=-1.0. Suspected explosion.
UPP Event type ki. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Confirmed Induced event.
(24) Alberta
ISC I 29 20 38 44.8–.81 50.26N–.03 114.84W–.04 0 39 1-12
PGC I 29 20 38 46.8–.99 50.14N 114.95W 0 3.3L **¶610235669**
IDC I 29 20 38 46.6–1.3 50.34N 114.59W 0 3.3L,2.9
ISC Event type km.
PGC Event type km. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 92km northeast of Cranbrook, Bc Alberta, Canada Mining explosion.
IDC Error ellipse: s-maj=43.8km s-min=12.0km az=86.0.
(460) Wyoming
ISC I 29 21 03 49.0–.75 43.64N–.05 105.30W–.05 0 3.8b 39 1-90
NEIC I 29 21 03 46.9–1.9 43.69N–.05 105.18W–.05 0–2 3.3L **¶610235670**
IDC I 29 21 03 51.0–1.9 43.67N 105.50W 0 3.8b,3.5
ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=9.9km s-min=4.2km az=144.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=59.6km s-min=9.0km az=150.0.
(536) Sweden
ISC I 30 00 44 32.4–.82 67.78N–.03 20.23E–.03 0 36 0-4
HEL I 30 00 44 32.6–.20 67.85N 20.07E 0 1.3L **¶611909271**
UPP I 30 00 44 33.0–.10 67.83N 20.20E 0 2.5L
ISC Event type kh.
HEL Event type kh. Error ellipse: s-maj=0.9km s-min=3.7km az=-1.0. Explosion.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
(536) Sweden
ISC I 30 00 48 50.2–.88 67.84N–.02 20.29E–.03 0 37 0-4
UPP I 30 00 48 50.8–.10 67.86N 20.19E 0 2.7L **¶611909272**
HEL I 30 00 48 51.5–.10 67.84N 20.21E 0 1.3L
ISC Event type kh.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
HEL Event type kh. Error ellipse: s-maj=0.5km s-min=2.1km az=-1.0. Explosion.
(536) Sweden
ISC I 30 05 17 58.1–.79 67.80N–.03 20.29E–.02 0 45 0-4
UPP I 30 05 17 58.7–.00 67.83N 20.17E 0 2.7L **¶611909273**
HEL I 30 05 17 59.5–.40 67.81N 20.24E 0 1.7L
ISC Event type kh.
UPP Event type ki. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Confirmed Induced event.
HEL Event type kh. Error ellipse: s-maj=1.8km s-min=7.2km az=-1.0. Explosion.
(329) Eastern Kazakhstan
ISC I 30 07 24 07.1–2.3 50.02N–.07 78.5E–.30 0 27 1-6
NNC I 30 07 24 08.0–.67 50.07N 78.96E 0 2.8b,2.5 **¶610235703**
IDC I 30 07 24 08.8–1.1 50.07N 78.75E 0 2.8,2.4L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=15.1km s-min=3.3km az=64.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=17.4km s-min=7.1km az=66.0.
(329) Eastern Kazakhstan
ISC I 30 07 34 31.3–.80 50.04N–.03 78.73E–.04 0 35 1-8
NNC I 30 07 34 30.6–.58 50.02N 78.74E 0 3.2b,2.9 **¶610235705**
IDC I 30 07 34 31.6–1.0 50.08N 78.78E 0 2.8,2.3L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=6.2km s-min=2.8km az=68.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=13.8km s-min=6.1km az=64.0.
(326) Southwestern Siberia
ISC I 30 08 06 58.6–.00 51.48N–.06 82.03E–.07 0 11 2-5
NNC I 30 08 06 59.8–1.7 51.39N 81.95E 0 3.0b,2.6 **¶610235707**
IDC I 30 08 07 00.9–2.1 51.31N 82.20E 0 2.1,1.5L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=17.6km s-min=7.3km az=15.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=49.2km s-min=11.8km az=105.0.
(713) Central Kazakhstan
ISC I 30 08 47 51.9–2.8 43.55N–.07 69.8E–.10 0 22 1-5
SOME I 30 08 47 47.8 43.52N 69.62E **¶612033786**
KRNET I 30 08 47 48.0–.10 43.62N 69.76E 2.7b
NNC I 30 08 47 48.2–.65 43.41N 69.57E 0 3.4b,2.9
ISC Event type sm.
SOME Event type kx.
NNC Event type sm. Error ellipse: s-maj=3.4km s-min=2.4km az=103.0. Suspected Mining explosion.
(326) Southwestern Siberia
ISC I 30 09 15 25.6–3.9 53.4N–.10 90.5E–.20 0 11 3-12
NNC I 30 09 15 23.0–2.2 53.63N 90.60E 0 3.3b,3.0 **¶610235716**
IDC I 30 09 15 24.1–3.5 53.49N 90.61E 0 2.9,2.5L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=18.9km s-min=14.6km az=28.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=28.4km s-min=23.3km az=61.0.
(326) Southwestern Siberia
ISC I 30 09 29 49.7–4.0 54.3N–.20 86.0E–.20 0 11 1-9
NNC I 30 09 29 45.8–3.5 54.33N 86.34E 0 3.4b,2.7 **¶610235718**
IDC I 30 09 29 50.6–2.1 54.24N 86.12E 0 3.3,2.9L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=48.7km s-min=17.4km az=166.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=17.1km s-min=10.7km az=58.0.
(329) Eastern Kazakhstan
ISC I 30 09 36 48.1–1.1 51.8N–.10 75.42E–.08 0 8 2-7
NNC I 30 09 36 48.9–.76 51.92N 75.63E 0 3.1b,2.7 **¶610235719**
IDC I 30 09 36 48.0–1.2 51.86N 75.58E 0 2.5,2.0L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=17.2km s-min=4.6km az=27.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=29.9km s-min=9.2km az=28.0.
(536) Sweden
ISC I 30 16 25 07.0–.79 67.79N–.02 20.26E–.02 0 52 0-4
DNK I 30 16 25 07.7–.91 67.85N 20.16E 0 2.9L **¶611909278**
UPP I 30 16 25 07.4–.10 67.85N 20.10E 0 2.9L
HEL I 30 16 25 08.0–.30 67.83N 20.13E 0 1.7L
ISC Event type kh.
DNK Event type sh. Error ellipse: s-maj=3.0km s-min=5.5km az=-1.0. Suspected explosion.
UPP Event type ki. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Confirmed Induced event.
HEL Event type kh. Error ellipse: s-maj=1.1km s-min=5.7km az=-1.0. Explosion.
(460) Wyoming
ISC I 30 20 13 49.8–1.0 43.62N–.06 105.20W–.06 0 82 1-20
IDC I 30 20 13 52.6–1.7 43.94N 105.62W 0 3.1,2.6L **¶610235759**
NEIC I 30 20 13 52.9–1.9 43.60N–.06 105.21W–.08 0–2 3.2L,2.6L
ISC Event type sm.
NEIC Event type sm. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(548) Poland
ISC I 31 00 15 55.7–.76 51.51N–.03 16.17E–.02 0 73 1-8
DNK I 31 00 15 54.2–2.6 51.43N 17.02E 15–81 2.1L **¶610177486**
PRU I 31 00 15 57.7–.00 51.43N 16.16E 0 2.1L
VIE I 31 00 15 57.4 51.40N 16.18E 0 2.6L,2.3b
ISC Event type sr.
DNK Error ellipse: s-maj=68.5km s-min=89.2km az=-1.0.

PRU Event type ki.
VIE Event type sr. 67 km WNW of Wroclaw . Suspected Mining induced.
(536) Sweden
ISC I 31 00 42 23.9–.78 67.83N–.02 20.24E–.02 0 45 0-4
UPP I 31 00 42 23.3–.00 67.83N 20.20E 0 2.6L ¶611909280
HEL I 31 00 42 23.5–.40 67.83N 20.14E 0 1.5L
ISC Event type kh.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
HEL Event type kh. Error ellipse: s-maj=1.6km s-min=8.4km az=-1.0. Explosion.
(548) Poland
ISC I 31 00 50 12.4–.83 50.13N–.03 19.06E–.02 0 63 0-4
PRU I 31 00 50 12.6–.00 50.22N 19.05E 0 ¶610148248
IPEC I 31 00 50 12.3–.20 50.19N 19.11E 0–1 2.4L
VIE I 31 00 50 12.2 50.17N 19.11E 0 2.5L,2.4b
ISC Event type sr.
PRU Event type ki.
IPEC Event type ki. Error ellipse: s-maj=2.5km s-min=1.1km az=168.0.
VIE Event type sr. 11 km S of Sosnowice . Suspected Mining induced.
(329) Eastern Kazakhstan
ISC I 31 07 28 41.6–4.2 48.7N–.10 77.4E–.30 0 9 2-7
IDC I 31 07 28 41.7–3.4 48.65N 77.40E 0 2.4,1.9L ¶610235790
NNC I 31 07 28 46.0–3.5 48.73N 78.03E 0 2.8b,2.4
ISC Event type sm.
IDC Error ellipse: s-maj=41.1km s-min=13.6km az=78.0.
NNC Event type sm. Error ellipse: s-maj=49.1km s-min=12.9km az=74.0. Suspected Mining explosion.
(329) Eastern Kazakhstan
ISC I 31 07 48 22.5–1.1 51.07N–.06 81.76E–.06 10 10 2-4
NNC I 31 07 48 17.8–11 49.33N 75.54E 0 2.9b,2.5 ¶610235791
IDC I 31 07 48 21.9–1.8 51.16N 81.68E 0 2.1,1.7L
ISC Event type ke.
NNC Event type sm. Error ellipse: s-maj=98.6km s-min=53.3km az=101.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=17.4km s-min=14.7km az=9.0.
(326) Southwestern Siberia
ISC I 31 07 56 58.1–4.3 54.2N–.20 86.9E–.20 0 14 1-8
NNC I 31 07 56 55.6–2.7 54.14N 87.15E 0 3.4b,3.1 ¶610235795
IDC I 31 07 56 56.1–2.5 54.19N 87.14E 0 3.7,3.4L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=23.8km s-min=12.8km az=18.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=21.6km s-min=15.4km az=61.0.
(548) Poland
ISC I 31 08 11 49.6–1.0 51.56N–.04 16.05E–.03 0 52 1-4
VIE I 31 08 11 50.5 51.53N 16.38E 0 2.8L,2.4b ¶610177491
PRU I 31 08 11 51.0–.00 51.51N 16.02E 0 2.8L,2.4b
ISC Event type sr.
VIE Event type sr. 66 km NW of Wroclaw . Suspected Mining induced.
PRU Event type ki.
(326) Southwestern Siberia
ISC I 31 08 26 47.7–4.1 54.3N–.20 86.7E–.20 0 13 1-8
IDC I 31 08 26 45.3–2.7 54.33N 86.97E 0 3.1,2.8L ¶610235801
NNC I 31 08 26 45.7–2.2 54.26N 86.90E 0 3.0b,2.9
ISC Event type sm.
IDC Error ellipse: s-maj=22.4km s-min=15.3km az=61.0.
NNC Event type sm. Error ellipse: s-maj=21.7km s-min=12.7km az=3.0. Suspected Mining explosion.
(326) Southwestern Siberia
ISC I 31 08 52 43.0–3.8 53.5N–.10 87.9E–.20 0 11 2-8
IDC I 31 08 52 41.5–2.8 53.59N 88.08E 0 3.0,2.5L ¶610235803
NNC I 31 08 52 43.3–1.6 53.45N 87.78E 0 3.2b,2.8
ISC Event type sm.
IDC Error ellipse: s-maj=23.5km s-min=16.0km az=67.0.
NNC Event type sm. Error ellipse: s-maj=13.6km s-min=7.3km az=63.0. Suspected Mining explosion.
(366) Turkey
ISK I 31 09 37 18.9 40.25N 30.78E 0–0 2.0L
¶610913658
ISK Event type sm. Suspected Mining explosion.
(329) Eastern Kazakhstan
ISC I 31 10 41 23.1–.92 51.6N–.10 75.17E–.07 0 14 2-7
NNC I 31 10 41 23.7–1.0 51.55N 75.19E 0 3.0b,2.6 ¶610235814
IDC I 31 10 41 26.0–1.1 51.67N 75.53E 0 2.6,1.9L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=36.8km s-min=6.5km az=26.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=32.3km s-min=8.5km az=30.0.
(536) Sweden
ISC I 31 15 13 27.9–.85 67.81N–.03 20.33E–.03 0 36 0-4
HEL I 31 15 13 27.3–.20 67.84N 19.91E 0 1.4L ¶610235828
UPP I 31 15 13 28.7–.00 67.84N 20.20E 0 2.5L
ISC Event type kh.
HEL Event type kh. Error ellipse: s-maj=1.0km s-min=4.8km az=-1.0. Explosion.
UPP Event type ki. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Confirmed Induced event.
(536) Sweden
ISC I 31 15 14 21.6–.99 67.89N–.04 20.51E–.07 0 12 0-8
UPP I 31 15 14 22.2–.10 67.88N 20.24E 0 2.7L ¶611909294
IDC I 31 15 14 23.6–1.4 67.80N 20.64E 0 2.8,2.0L
ISC Event type ki.
UPP Event type ki. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Confirmed Induced event.
IDC Error ellipse: s-maj=20.4km s-min=9.7km az=111.0.
(536) Sweden
ISC I 31 16 06 55.5–.80 67.18N–.02 20.69E–.02 0 57 0-4
HEL I 31 16 06 55.8–.30 67.17N 20.61E 0 1.1L ¶611909296
UPP I 31 16 06 55.6–.10 67.19N 20.65E 0 2.8L
DNK I 31 16 06 56.0–.70 67.19N 20.63E 0 2.8L
ISC Event type kh.
HEL Event type kh. Error ellipse: s-maj=1.1km s-min=5.2km az=-1.0. Explosion.
UPP Event type ki. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Confirmed Induced event.
DNK Event type sh. Error ellipse: s-maj=1.3km s-min=4.1km az=-1.0. Suspected explosion.
(536) Sweden
ISC I 31 16 14 42.9–.82 67.81N–.03 20.26E–.03 0 45 0-4
HEL I 31 16 14 42.9–.10 67.81N 20.17E 0 1.6L ¶611909297
UPP I 31 16 14 42.8–.10 67.83N 20.21E 0 2.6L
ISC Event type kh.
HEL Event type kh. Error ellipse: s-maj=0.6km s-min=2.6km az=-1.0. Explosion.
UPP Event type ki. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Confirmed Induced event.
(329) Eastern Kazakhstan
ISC I 31 18 01 26.9–.87 47.19N–.05 80.82E–.04 0 41 1-6
NNC I 31 18 01 27.6–1.0 46.95N 80.69E 0 3.4b,3.2 ¶612033854
SOME I 31 18 01 30.6 46.80N 80.57E 5 3.4b,3.2
ASRS I 31 18 01 30.1–1.2 47N–2.0 81E–6.0 5 3.2,3.2
ISC Event type sm.
NNC Event type sm. Suspected Mining explosion.
ASRS Event type ke. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
(724) Baltic States-Belarus-Northwestern Russia
HEL I 31 19 52 23.2–.10 67.62N 33.87E 0 1.5L
¶615521215
HEL Event type kh. Error ellipse: s-maj=1.0km s-min=2.1km az=-1.0. Explosion.
(326) Southwestern Siberia
ISC II 01 06 01 15.9–1.8 52.89N–.04 85.8E–.10 10 10 1-7
NNC II 01 06 01 14.2–3.9 54.26N 86.93E 0 2.9b,2.7 ¶610414592
IDC II 01 06 01 19.8–3.0 54.29N 86.42E 0 3.0,2.7L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=36.7km s-min=21.1km az=4.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=24.2km s-min=13.9km az=56.0.
(329) Eastern Kazakhstan
NNC II 01 07 09 42.0–.73 49.95N 78.44E 0 3.5b,3.1
¶612084434
NNC Event type sm. Error ellipse: s-maj=8.4km s-min=3.5km az=83.0. Suspected Mining explosion.
(723) Finland-Karelia border region
ISC II 01 09 59 20.2–1.2 64.72N–.03 30.69E–.06 0 56 1-6
UPP II 01 09 59 13.5–2.6 64.41N 31.89E 0 1.8L ¶610414601
HEL II 01 09 59 21.3–.20 64.67N 30.66E 0 2.1L
IDC II 01 09 59 21.7–2.8 64.60N 30.79E 0 2.9,1.8L
KOLA II 01 09 59 23.0 64.76N 30.66E 0 2.2L,1.8L
ISC Event type kh.
UPP Error ellipse: s-maj=0.1km s-min=0.4km az=-1.0.
HEL Event type kh. Error ellipse: s-maj=1.2km s-min=5.3km az=-1.0. Explosion.
IDC Error ellipse: s-maj=44.4km s-min=9.7km az=103.0.
KOLA Kostomuksha, Karelia.
(721) Finland
ISC II 01 11 54 17.0–.79 63.89N–.03 28.18E–.03 0 32 1-6
HEL II 01 11 54 18.1–.10 63.95N 28.20E 0 1.3L ¶610414608
IDC II 01 11 54 18.4–1.9 63.89N 28.01E 0 3.4,2.1L
ISC Event type kh.
HEL Event type kh. Error ellipse: s-maj=1.0km s-min=2.0km az=-1.0. Explosion.
IDC Error ellipse: s-maj=41.7km s-min=7.7km az=97.0.
(721) Finland
ISC II 01 12 28 59.7–.78 63.98N–.02 28.10E–.03 0 39 1-6
IDC II 01 12 29 00.1–2.3 63.83N 28.68E 0 3.3,2.2L ¶610414612
HEL II 01 12 29 01.2–.10 63.99N 28.14E 0 1.6L,2.2L
ISC Event type kh.
IDC Error ellipse: s-maj=43.0km s-min=8.5km az=102.0.
HEL Event type kh. Error ellipse: s-maj=0.9km s-min=1.7km az=-1.0. Explosion.
(535) Southern Norway
ISC II 01 23 22 47.8–.85 60.91N–.02 11.50E–.02 32–6 139 0-10
DNK II 01 23 22 44.8–2.2 60.88N 11.34E 0 2.2L,2.0L ¶610414632
IDC II 01 23 22 46.8–.83 61.14N 11.87E 0 3.5,1.9L
UPP II 01 23 22 46.8–1.4 60.90N 11.37E 18–7 2.0L,1.9L
HEL II 01 23 22 48.6–.10 60.88N 11.71E 20 2.2L,2.0L
NAO II 01 23 22 48.7–.50 60.92N 11.53E 23–4 2.0L,2.0L
BER II 01 23 22 49.9–1.3 60.91N 11.50E 24–2 2.0L,2.0L
DNK Event type sh. Error ellipse: s-maj=6.4km s-min=12.3km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=8.9km s-min=3.6km az=7.0.
UPP Error ellipse: s-maj=0.0km s-min=0.1km az=-1.0.
HEL Event type ke. Error ellipse: s-maj=0.8km s-min=0.6km az=-1.0. Confirmed Earthquake.
BER Event type ke. Error ellipse: s-maj=1.9km s-min=3.0km az=-1.0. Confirmed Earthquake.
(326) Southwestern Siberia
NNC II 02 07 17 49.9–26 53.67N 88.37E 0 3.6b,3.1
¶612084498
NNC Event type sm. Error ellipse: s-maj=191.2km s-min=135.2km az=81.0. Suspected Mining explosion.
(724) Baltic States-Belarus-Northwestern Russia
HEL II 02 20 09 29.9–.20 67.65N 33.71E 0 1.3L
¶615316753
HEL Event type kh. Error ellipse: s-maj=2.3km s-min=3.6km az=-1.0. Explosion.
(724) Baltic States-Belarus-Northwestern Russia
HEL II 02 22 22 51.8–.10 67.64N 33.81E 0 1.5L
¶615765355
HEL Event type kh. Error ellipse: s-maj=1.2km s-min=2.4km az=-1.0. Explosion.
(536) Sweden
HEL II 03 05 49 39.2–.50 67.82N 20.40E 0 1.1L
¶615765362
HEL Event type kh. Error ellipse: s-maj=2.0km s-min=11.5km az=-1.0. Explosion.
(724) Baltic States-Belarus-Northwestern Russia
ISC II 03 05 50 55.0–.94 67.67N–.04 34.08E–.04 0 61 0-7
HEL II 03 05 50 56.1–.20 67.59N 33.97E 0 2.0L ¶614403684
KOLA II 03 05 50 56.8 67.65N 33.86E 0 2.0L
BER II 03 05 50 57.2–1.1 67.56N 34.04E 0 2.0L
IDC II 03 05 51 00.3–3.1 67.60N 33.15E 0 3.0,2.2L
ISC Event type kh.
HEL Event type kh. Error ellipse: s-maj=2.0km s-min=4.0km az=-1.0. Explosion.
KOLA Error ellipse: s-maj=5.9km s-min=3.0km az=150.0. Khibiny, mines Rasvumchorr, Central.
BER Event type sh. Error ellipse: s-maj=8.7km s-min=22.0km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=34.1km s-min=11.5km az=72.0.
(326) Southwestern Siberia
NNC II 03 06 24 40.7–2.9 54.13N 86.64E 0 2.7b,2.6
IDC II 03 06 24 43.3–2.5 54.14N 86.54E 0 3.2,2.8L ¶610414718
NNC Event type sm. Error ellipse: s-maj=30.7km s-min=13.9km az=7.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=19.8km s-min=13.1km az=54.0.
(326) Southwestern Siberia
NNC II 03 06 49 54.3–3.1 53.92N 88.25E 0 3.4b,3.0
IDC II 03 06 49 59.7–3.0 53.74N 88.18E 0 3.2,2.6L ¶610414722
NNC Event type sm. Error ellipse: s-maj=24.1km s-min=14.5km az=50.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=24.3km s-min=17.0km az=59.0.
(329) Eastern Kazakhstan
NNC II 03 07 14 52.8–.89 50.31N 79.41E 0 3.0b,2.7
IDC II 03 07 14 54.2–1.0 50.06N 78.76E 0 2.9,2.4L ¶610414724
NNC Event type sm. Error ellipse: s-maj=21.9km s-min=3.7km az=36.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=13.7km s-min=6.7km az=64.0.
(713) Central Kazakhstan
ISC II 03 09 48 06.1–2.6 43.40N–.07 69.6E–.10 0 24 1-5
KRNET II 03 09 48 05.4–.10 43.49N 69.62E 3.0b ¶612084577
SOME II 03 09 48 05.1 43.57N 69.68E 3.0b
NNC II 03 09 48 07.3–1.7 43.34N 69.62E 0 3.2b,2.8
ISC Event type sm.
SOME Event type kx.
NNC Event type sm. Error ellipse: s-maj=10.6km s-min=8.4km az=39.0. Suspected Mining explosion.
(329) Eastern Kazakhstan
ISC II 03 10 25 25.8–1.0 51.65N–.07 75.17E–.07 0 11 2-7
NNC II 03 10 25 26.9–.93 51.73N 75.39E 0 3.0b,2.7 ¶610414731
IDC II 03 10 25 28.9–1.0 51.73N 75.62E 0 2.6,2.2L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=13.2km s-min=5.0km az=38.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=29.4km s-min=8.2km az=31.0.
(724) Baltic States-Belarus-Northwestern Russia
HEL II 03 12 34 47.5–.20 67.64N 33.87E 0 1.4L
¶615765374
HEL Event type kh. Error ellipse: s-maj=2.3km s-min=4.2km az=-1.0. Explosion.
(464) Minnesota
ISC II 03 17 42 03.6–1.1 47.48N–.05 92.63W–.05 0 14 1-16
NEIC II 03 17 42 04.3–1.6 47.52N–.03 92.62W–.04 0–2 2.7,2.5L ¶610414752
IDC II 03 17 42 05.4–4.2 47.54N 92.74W 0 2.3,0.6L
ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=5.0km s-min=3.5km az=46.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=71.9km s-min=28.7km az=54.0.
(536) Sweden
ISC II 03 20 27 36.2–.87 67.81N–.02 20.24E–.03 0 58 0-8
IDC II 03 20 27 36.4–1.4 67.82N 20.50E 0 2.6,2.0L ¶610414764
HEL II 03 20 27 36.2–.10 67.81N 20.16E 0 1.8L,2.0L
UPP II 03 20 27 36.0–.00 67.82N 20.22E 0 2.0L,2.0L
ISC Event type kh.
IDC Error ellipse: s-maj=19.4km s-min=7.6km az=116.0.
HEL Event type kh. Error ellipse: s-maj=0.7km s-min=2.9km az=-1.0. Explosion.
UPP Event type ki. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Confirmed Induced event.
(642) Norwegian Sea
ISC II 04 03 50 51.0–2.0 67.84N–.06 10.31E–.09 10 113 1-9
IDC II 04 03 50 50.7–2.6 67.77N 10.61E 0 3.0,2.1L ¶610195888
NAO II 04 03 50 50.6–4.4 67.94N 10.05E 12–21 2.5L,2.1L
HEL II 04 03 50 51.6–.30 67.87N 10.22E 15 2.5L,1.9L
UPP II 04 03 50 53.7–4.4 67.88N 10.00E 37–66 1.9L,1.9L

BER II 04 03 50 53.2–2.0 67.90N 10.10E 15–10 2.5L,2.0L
ISC Event type ke.
IDC Error ellipse: s-maj=31.5km s-min=11.1km az=122.0.
NAO Error ellipse: s-maj=0.1km s-min=0.2km az=-1.0.
HEL Event type ke. Error ellipse: s-maj=1.9km s-min=2.4km az=-1.0. Confirmed Earthquake.
UPP Error ellipse: s-maj=0.2km s-min=0.7km az=-1.0.
BER Event type ke. Error ellipse: s-maj=5.7km s-min=18.3km az=-1.0. Confirmed Earthquake.
(724) Baltic States-Belarus-Northwestern Russia
HEL II 04 04 05 35.8–.20 67.61N 33.76E 0 1.3L
BER II 04 04 05 35.1–1.3 67.45N 33.69E 0 1.7L **¶615190538**
HEL Event type kh. Error ellipse: s-maj=1.8km s-min=3.8km az=-1.0. Explosion.
BER Event type sh. Error ellipse: s-maj=10.5km s-min=74.8km az=-1.0. Suspected explosion.
(536) Sweden
HEL II 04 04 06 08.4–.30 67.80N 20.18E 0 0.8L
¶615765395
HEL Event type kh. Error ellipse: s-maj=1.2km s-min=5.8km az=-1.0. Explosion.
(724) Baltic States-Belarus-Northwestern Russia
ISC II 04 11 06 19.6–1.1 67.55N–.03 30.47E–.05 0 44 0-6
HEL II 04 11 06 19.9–.30 67.57N 30.44E 0 1.5L **¶610414808**
IDC II 04 11 06 23.1–2.2 67.60N 29.83E 0 2.5,1.8L
ISC Event type kh.
HEL Event type kh. Error ellipse: s-maj=1.4km s-min=5.7km az=-1.0. Explosion.
IDC Error ellipse: s-maj=34.0km s-min=11.5km az=71.0.
(547) Czech and Slovak Republics
ISC II 04 15 28 27.4–.82 49.81N–.04 18.54E–.02 0 49 0-4
VIE II 04 15 28 27.7 49.88N 18.59E 0 2.5b,2.4L **¶610197356**
IPEC II 04 15 28 28.0–.30 49.82N 18.56E 0 1.7L,2.4L
PRU II 04 15 28 29.2–.00 49.82N 18.50E 0 1.7L,2.4L
ISC Event type sr.
VIE Event type sr. 25 km ENE of Ostrava . Suspected Mining induced.
IPEC Event type ki. Error ellipse: s-maj=2.1km s-min=1.6km az=75.0.
PRU Event type ki. Mining Induced Event Csm, E=9.8e+04.
(678) Queen Elizabeth Islands
ISC II 05 02 22 08.0–.35 75.93N–.04 120.54W–.05 10 4.2b,3.4s 159 4-117
IDC II 05 02 22 07.8–.56 76.15N 120.92W 0 4.1,4.1b **¶611831731**
NEIC II 05 02 22 08.1–2.2 76.06N–.07 121.2W–.30 10–1 4.7L,4.2b
OTT II 05 02 22 09.2–.25 76.04N 121.40W 18 4.7L,4.2b
ISC Event type ke.
IDC Error ellipse: s-maj=15.7km s-min=12.5km az=92.0.
NEIC Event type se. Error ellipse: s-maj=13.9km s-min=10.9km az=115.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
OTT Event type ke. Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0. 60km west from Mould Bay, Nt Sverdrup Seismic Zone.
(722) Norway-Murmansk border region
HEL II 05 03 58 49.1–.70 69.40N 30.61E 0 1.2L
¶615765429
HEL Event type kh. Error ellipse: s-maj=3.4km s-min=12.6km az=-1.0. Explosion.
(329) Eastern Kazakhstan
NNC II 05 07 04 06.5–.79 49.99N 78.73E 0 3.5b,3.3
¶612084681
NNC Event type sm. Error ellipse: s-maj=8.9km s-min=5.1km az=152.0. Suspected Mining explosion.
(460) Wyoming
ISC II 05 21 02 34.1–.91 43.97N–.05 105.61W–.05 0 34 1-15
NEIC II 05 21 02 34.8–1.5 43.96N–.03 105.56W–.05 0–1 2.9L **¶610414908**
IDC II 05 21 02 36.5–1.8 43.84N 105.53W 0 3.5,3.3L
ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=7.0km s-min=3.7km az=307.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=48.6km s-min=9.5km az=150.0.
(536) Sweden
ISC II 06 03 28 02.3–.71 67.82N–.02 20.31E–.03 0 54 0-10
UPP II 06 03 28 03.1–.10 67.85N 20.21E 3–4 2.3L **¶615765451**
HEL II 06 03 28 04.1 67.87N 20.24E 1 2.2L
IDC II 06 03 28 04.1–.81 67.79N 20.80E 0 3.4,2.3L
ISC Event type ki.
UPP Event type ki. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Confirmed Induced event.
HEL Event type ki. Confirmed Induced event.
IDC Error ellipse: s-maj=14.0km s-min=6.0km az=118.0.
(326) Southwestern Siberia
IDC II 06 06 38 35.2–2.9 53.54N 87.64E 0 3.0,2.7L
¶610414938
IDC Error ellipse: s-maj=25.6km s-min=14.0km az=60.0.
(543) Germany
VIE II 06 10 57 40.3 48.74N 10.15E 0 2.2b,2.0L
¶611306755
VIE Event type sm. 28 km WSW of Noerdlingen . Suspected Mining explosion.
(543) Germany
VIE II 06 10 58 50.5 48.74N 10.12E 0 2.4b,2.0L
¶611306756
VIE Event type sm. 30 km WSW of Noerdlingen . Suspected Mining explosion.
(536) Sweden
ISC II 06 11 01 06.7–1.1 58.93N–.03 17.98E–.04 0 34 0-2
DNK II 06 11 01 07.6–.49 58.94N 17.98E 0 2.2L **¶611909368**
UPP II 06 11 01 07.2–.10 58.94N 17.97E 0 2.2L
ISC Event type kh.
DNK Event type kh. Error ellipse: s-maj=1.0km s-min=2.5km az=-1.0. Explosion.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
(329) Eastern Kazakhstan
ISC II 06 16 40 47.1–1.3 49.80N–.04 84.84E–.08 0 13 2-8
NNC II 06 16 40 46.9–1.6 49.83N 84.60E 0 3.0b,2.5 **¶612084762**
SOME II 06 16 40 48.8 49.43N 84.93E 10 3.0b,2.5
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=18.6km s-min=7.4km az=98.0. Suspected Mining explosion.
(460) Wyoming
ISC II 06 21 08 22.4–1.0 43.79N–.06 105.29W–.07 0 54 1-90
IDC II 06 21 08 19.6–3.3 43.46N 105.61W 0 3.7b,3.4 **¶610414991**
NEIC II 06 21 08 23.1–1.4 43.80N–.05 105.30W–.04 0–2 3.2L,3.4
ISC Event type sm.
NEIC Event type sm. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(722) Norway-Murmansk border region
HEL II 07 04 26 12.4–.40 69.37N 30.55E 0 1.3L
BER II 07 04 26 16.1–1.8 69.62N 30.36E 0 1.1L **¶611909379**
HEL Event type kh. Error ellipse: s-maj=2.0km s-min=7.2km az=-1.0. Explosion.
BER Event type sh. Error ellipse: s-maj=7.8km s-min=32.4km az=-1.0. Suspected explosion.
(536) Sweden
UPP II 07 04 26 36.5–.40 67.86N 20.21E 0–5 2.0L
HEL II 07 04 26 36.7–.30 67.84N 20.13E 0 1.1L **¶615765486**
UPP Event type ki. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Confirmed Induced event.
HEL Event type kh. Error ellipse: s-maj=1.0km s-min=5.7km az=-1.0. Explosion.
(326) Southwestern Siberia
ISC II 07 06 01 58.5–3.6 51.97N–.07 90.6E–.20 0 15 4-12
NNC II 07 06 02 12.8–3.1 53.75N 90.68E 0 3.9b,3.6 **¶610415017**
IDC II 07 06 02 14.7–3.1 53.62N 90.62E 0 3.5,3.1L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=23.2km s-min=17.4km az=57.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=26.6km s-min=22.1km az=52.0.
(326) Southwestern Siberia
ISC II 07 06 37 36.2–5.1 54.1N–.20 86.1E–.20 0 10 1-8
NNC II 07 06 37 31.9–7.4 54.12N 86.58E 0 2.8b,2.7 **¶610415019**
IDC II 07 06 37 34.0–2.5 54.14N 86.44E 0 3.0,2.6L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=84.4km s-min=34.5km az=6.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=20.0km s-min=11.8km az=61.0.
(326) Southwestern Siberia
ISC II 07 07 15 59.7–4.0 54.2N–.20 86.9E–.20 0 15 1-10
NNC II 07 07 15 57.1–2.6 54.13N 87.18E 0 3.3b,3.0 **¶610415023**
IDC II 07 07 15 59.0–2.4 54.11N 87.06E 0 3.5,3.0L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=23.6km s-min=12.6km az=16.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=20.8km s-min=13.1km az=65.0.
(646) Northern Norway
ISC II 07 10 31 55.5–.96 66.64N–.02 13.52E–.03 8–8 118 0-12
UPP II 07 10 31 53.7–1.8 66.53N 13.27E 0 2.5L **¶610198743**
BER II 07 10 31 55.9–2.3 66.60N 13.48E 6–13 2.7L,2.2L
NAO II 07 10 31 55.3–.50 66.62N 13.57E 2.8L,2.2L
IDC II 07 10 31 56.1–1.2 66.57N 13.83E 0 3.4,2.1L
HEL II 07 10 31 56.1–.10 66.59N 13.48E 10 2.9L,2.5L
ISC Event type ke.
UPP Error ellipse: s-maj=0.0km s-min=0.4km az=-1.0.
BER Event type ke. Error ellipse: s-maj=7.4km s-min=12.5km az=-1.0. Confirmed Earthquake.
IDC Error ellipse: s-maj=16.0km s-min=7.6km az=110.0.
HEL Event type ke. Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. Confirmed Earthquake.
(713) Central Kazakhstan
ISC II 07 11 14 09.6–2.4 43.60N–.07 70.3E–.10 0 19 1-5
SOME II 07 11 14 02.4 43.67N 69.70E **¶612084819**
KRNET II 07 11 14 02.8–.10 43.74N 69.78E 3.1b
NNC II 07 11 14 03.8–.95 43.61N 69.70E 0 3.7b,3.2
ISC Event type sm.
SOME Event type kx.
NNC Event type sm. Error ellipse: s-maj=5.0km s-min=3.5km az=113.0. Suspected Mining explosion.
(535) Southern Norway
BER II 07 14 16 07.3–1.6 58.27N 6.38E 0 1.3L
¶616228547
BER Event type kh. Error ellipse: s-maj=8.8km s-min=11.0km az=-1.0. Explosion.
(535) Southern Norway
DNK II 07 14 16 16.4–.39 57.68N 12.33E 0 1.0L
¶615190569
DNK Event type kh. Error ellipse: s-maj=0.9km s-min=1.6km az=-1.0. Explosion.
(536) Sweden
ISC II 07 18 01 04.8–.74 67.07N–.02 20.96E–.02 0 67 0-8
UPP II 07 18 01 04.8–.10 67.04N 20.97E 0 2.2L **¶610415057**
HEL II 07 18 01 05.6–.20 67.05N 20.90E 0 2.0L
IDC II 07 18 01 05.2–1.2 67.01N 21.14E 0 3.0,2.0L
ISC Event type kh.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
HEL Event type kh. Error ellipse: s-maj=1.1km s-min=4.6km az=-1.0. Explosion.
IDC Error ellipse: s-maj=16.7km s-min=9.8km az=112.0.
(460) Wyoming
ISC II 07 20 27 08.1–.93 43.73N–.06 105.33W–.06 0 42 1-14
NEIC II 07 20 27 08.7–1.2 43.66N–.05 105.28W–.06 0–2 3.4L **¶610415070**
IDC II 07 20 27 08.1–1.2 43.88N 105.52W 0 3.4,3.4L
ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=9.2km s-min=7.8km az=343.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=18.0km s-min=9.9km az=147.0.
(326) Southwestern Siberia
ISC II 08 06 57 17.0–4.2 54.2N–.20 87.2E–.20 0 11 1-8
IDC II 08 06 57 13.3–3.3 54.27N 87.55E 0 2.9,2.5L **¶610415095**
NNC II 08 06 57 15.9–4.0 54.28N 87.13E 0 2.8b,2.6
ISC Event type sm.
IDC Error ellipse: s-maj=24.9km s-min=18.0km az=50.0.
NNC Event type sm. Error ellipse: s-maj=29.4km s-min=26.6km az=96.0. Suspected Mining explosion.
(326) Southwestern Siberia
ISC II 08 08 19 36.6–3.5 54.1N–.10 86.4E–.20 0 17 1-10
IDC II 08 08 19 37.3–2.1 54.05N 86.52E 0 3.6,3.1L **¶610415101**
NNC II 08 08 19 37.3–1.3 54.03N 86.47E 0 3.7b,3.0
ISC Event type sm.
IDC Error ellipse: s-maj=17.8km s-min=10.8km az=60.0.
NNC Event type sm. Error ellipse: s-maj=11.1km s-min=5.6km az=22.0. Suspected Mining explosion.
(326) Southwestern Siberia
ISC II 08 08 36 27.7–3.4 54.9N–.30 83.8E–.20 0 7 1-8
NNC II 08 08 36 30.3–3.2 54.76N 83.78E 0 2.1,2.0b **¶610415103**
IDC II 08 08 36 30.2–1.7 54.65N 83.66E 0 2.6,2.2L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=18.6km s-min=12.8km az=156.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=15.2km s-min=10.2km az=6.0.
(326) Southwestern Siberia
ISC II 08 09 01 17.9–4.0 53.6N–.20 87.4E–.20 0 7 2-10
NNC II 08 09 01 17.7–2.0 53.47N 87.47E 0 2.9b,2.6 **¶610415105**
IDC II 08 09 01 18.6–2.8 53.41N 87.44E 0 3.4,2.7L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=13.6km s-min=9.1km az=101.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=26.0km s-min=14.5km az=61.0.
(326) Southwestern Siberia
ISC II 08 10 04 10.8–4.0 53.4N–.10 90.6E–.20 0 13 3-12
IDC II 08 10 04 00.5–3.7 53.71N 91.69E 0 3.3,2.7L **¶610415110**
NNC II 08 10 04 11.8–2.6 53.26N 90.38E 0 3.7b,3.4
ISC Event type sm.
IDC Error ellipse: s-maj=33.5km s-min=28.7km az=84.0.
NNC Event type sm. Error ellipse: s-maj=20.4km s-min=15.2km az=100.0. Suspected Mining explosion.
(536) Sweden
ISC II 08 10 53 56.6–.76 67.57N–.02 21.05E–.03 0 50 0-7
HEL II 08 10 53 56.4–.30 67.58N 20.75E 0 1.8L **¶610415112**
UPP II 08 10 53 57.5–.00 67.63N 21.02E 0 1.8L
IDC II 08 10 53 59.0–2.2 67.63N 21.38E 0 2.7,1.7L
ISC Event type kh.
HEL Event type kh. Error ellipse: s-maj=1.3km s-min=6.9km az=-1.0. Explosion.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=33.0km s-min=12.0km az=99.0.
(335) Ural Mountains region
ISC II 08 11 41 06.7–.90 57.04N–.03 61.64E–.04 0 47 1-8
MIRAS II 08 11 41 10.0 57.00N 61.49E 0 2.8L **¶612084874**
NNC II 08 11 41 15.6–3.1 56.48N 61.75E 0 3.3b,3.0
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=25.4km s-min=9.8km az=154.0. Suspected Mining explosion.
(724) Baltic States-Belarus-Northwestern Russia
HEL II 08 12 01 53.6–.30 67.62N 33.64E 0 1.1L
¶615765547
HEL Event type kh. Error ellipse: s-maj=4.3km s-min=8.2km az=-1.0. Explosion.
(547) Czech and Slovak Republics
ISC II 08 15 30 53.0–.95 49.83N–.05 18.45E–.03 0 24 0-3
IPEC II 08 15 30 52.4–.32 49.85N 18.51E 0–3 1.5L **¶611706201**
PRU II 08 15 30 53.9–.00 49.83N 18.41E 0 1.5L
ISC Event type km.
IPEC Event type km. Error ellipse: s-maj=2.1km s-min=1.7km az=72.0. Mining explosion.
PRU Event type ki. Mining Induced Event Lazy, E=2.9e+04.
(646) Northern Norway
ISC II 08 15 43 00.4–.99 66.55N–.02 13.07E–.04 19–2 135 0-12
IDC II 08 15 43 00.7–1.2 66.57N 13.24E 0 3.4,2.0L **¶610207982**
BER II 08 15 43 01.2–2.2 66.55N 12.94E 2–4 2.5L,2.3L
NAO II 08 15 43 01.4–.80 66.55N 13.08E 9–3 2.5L,2.3L
UPP II 08 15 43 02.3–1.6 66.43N 13.46E 0 2.3L,2.3L
HEL II 08 15 43 02.2–.20 66.49N 13.31E 10 2.6L,2.3L
ISC Event type ke.
IDC Error ellipse: s-maj=16.1km s-min=7.4km az=111.0.
BER Event type ke. Error ellipse: s-maj=2.7km s-min=10.0km az=-1.0. Confirmed Earthquake.

UPP Error ellipse: s-maj=0.0km s-min=0.3km az=-1.0.
HEL Event type ke. Error ellipse: s-maj=0.9km s-min=1.3km az=-1.0. Confirmed Earthquake.
(548) Poland
ISC II 08 16 53 17.9–.72 51.52N–.03 16.12E–.03 0 78 1-19
DNK II 08 16 53 15.2–.71 51.40N 16.27E 0–70 3.0L ¶610206125
IPEC II 08 16 53 17.1–.36 51.57N 16.25E 0–1 2.4L
VIE II 08 16 53 18.6 51.50N 16.37E 0 2.8L,2.5b
IDC II 08 16 53 20.3–.82 51.48N 15.95E 0 3.3,2.8L
PRU II 08 16 53 20.3–.00 51.44N 16.08E 0 3.3,2.8L
ISC Event type sr.
DNK Error ellipse: s-maj=57.6km s-min=77.7km az=-1.0.
IPEC Event type ki. Error ellipse: s-maj=2.6km s-min=1.2km az=31.0.
VIE Event type sr. 64 km NW of Wroclaw . Suspected Mining induced.
IDC Error ellipse: s-maj=14.2km s-min=7.7km az=113.0.
PRU Event type ki.
(548) Poland
ISC II 09 01 42 56.6–.91 50.26N–.04 18.66E–.03 0 54 0-4
VIE II 09 01 42 55.7 50.34N 18.69E 0 2.6b,2.4L ¶610208713
IPEC II 09 01 42 56.0–.28 50.27N 18.74E 1 2.3L,2.4L
PRU II 09 01 42 57.7–.00 50.24N 18.60E 0 2.3L,2.4L
ISC Event type sr.
VIE Event type sr. 23 km WNW of Katowice . Suspected Mining induced.
IPEC Event type ki. Error ellipse: s-maj=2.1km s-min=1.8km az=2.0.
PRU Event type ki.
(326) Southwestern Siberia
ISC II 09 07 24 31.6–4.2 54.1N–.20 86.3E–.20 0 11 1-8
NNC II 09 07 24 30.4–2.4 54.11N 86.43E 0 3.3b,2.6 ¶610415164
IDC II 09 07 24 30.7–2.5 54.14N 86.44E 0 3.2,2.9L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=18.9km s-min=11.0km az=21.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=20.9km s-min=12.5km az=56.0.
(326) Southwestern Siberia
NNC II 09 07 57 00.2–2.8 53.66N 90.44E 0 3.5b,3.2
¶612084926
NNC Event type sm. Error ellipse: s-maj=20.6km s-min=15.3km az=52.0. Suspected Mining explosion.
(548) Poland
ISC II 09 10 07 38.9–1.4 51.56N–.06 16.07E–.03 0 50 1-4
VIE II 09 10 07 39.0 51.51N 16.03E 0 2.5L,2.5b ¶610208720
PRU II 09 10 07 39.4–.00 51.55N 16.08E 0 2.5L,2.5b
ISC Event type sr.
VIE Event type sr. 83 km NW of Wroclaw . Suspected Mining induced.
PRU Event type ki.
(724) Baltic States-Belarus-Northwestern Russia
HEL II 09 13 43 43.2–.10 67.71N 33.73E 0 1.7L
KOLA II 09 13 43 42.4 67.58N 33.86E 0 2.0L ¶615316811
HEL Event type kh. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Explosion.
KOLA Error ellipse: s-maj=6.1km s-min=1.4km az=150.0. Khibiny Massif.
(646) Northern Norway
BER II 09 13 43 48.7–1.9 70.41N 28.65E 0 0.9L
HEL II 09 13 43 46.1–.60 70.42N 28.81E 0 1.4L ¶615190591
BER Event type sh. Error ellipse: s-maj=9.8km s-min=16.3km az=-1.0. Suspected explosion.
HEL Event type kh. Error ellipse: s-maj=5.2km s-min=11.4km az=-1.0. Explosion.
(383) Northwestern Balkan Peninsula
LJU II 09 18 10 56.4 46.39N 15.07E 0
¶611842754
LJU Event type kr. Confirmed Rockburst.
(548) Poland
ISC II 10 05 24 51.7–.49 51.59N–.03 16.06E–.02 0 3.5b 177 1-75
IPEC II 10 05 24 52.0–.35 51.63N 16.17E 0–1 3.1L ¶610207663
MCSM II 10 05 24 53.0–.50 52N–3.0 16E–3.0 7–3 3.6L
DNK II 10 05 24 53.9–2.7 51.79N 16.31E 0–139 2.9
IDC II 10 05 24 53.3–.57 51.53N 16.03E 0 3.5,3.5b
BGR II 10 05 24 54.2–.49 51.52N 16.08E 1 3.4L,3.5b
PRU II 10 05 24 55.7–.00 51.47N 16.06E 0 3.4L,3.5b
LDG II 10 05 24 55.2–.15 51.54N 16.03E 1 3.4L,3.5b
ISC Event type sr.
IPEC Event type ki. Error ellipse: s-maj=2.5km s-min=1.2km az=30.0.
DNK Error ellipse: s-maj=121.5km s-min=96.8km az=-1.0.
IDC Error ellipse: s-maj=10.1km s-min=6.4km az=100.0.
BGR Event type ki. Error ellipse: s-maj=4.4km s-min=2.2km az=24.0.
PRU Event type ki.
LDG Event type sr. Error ellipse: s-maj=3.8km s-min=2.7km az=20.0. Suspected Mining induced.
(326) Southwestern Siberia
ISC II 10 06 57 48.7–4.6 54.3N–.20 86.7E–.20 0 14 1-8
NNC II 10 06 57 46.8–3.0 54.29N 86.88E 0 3.3b,3.1 ¶610415217
IDC II 10 06 57 47.1–2.8 54.35N 86.84E 0 3.1,2.6L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=19.1km s-min=14.1km az=42.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=23.0km s-min=15.6km az=58.0.
(326) Southwestern Siberia
ISC II 10 08 00 10.9–4.2 53.9N–.10 90.7E–.20 0 13 3-9
NNC II 10 08 00 09.4–6.4 53.93N 90.82E 0 3.6b,3.3 ¶610415220
IDC II 10 08 00 11.9–3.3 53.77N 90.89E 0 3.2,3.1L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=46.1km s-min=28.6km az=79.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=29.2km s-min=23.7km az=42.0.
(713) Central Kazakhstan
ISC II 10 11 34 15.1–2.1 43.52N–.07 69.73E–.09 0 51 1-5
KRNET II 10 11 34 10.8–.10 43.66N 69.53E 3.1b ¶612085018
SOME II 10 11 34 12.4 43.78N 69.72E 3.1b
NNC II 10 11 34 14.1–1.4 43.62N 69.76E 0 3.6b,3.2
ISC Event type sm.
SOME Event type kx.
NNC Event type sm. Error ellipse: s-maj=11.9km s-min=7.1km az=66.0. Suspected Mining explosion.
(721) Finland
HEL II 10 12 29 11.2–.10 63.98N 28.09E 0 1.5L
¶615765636
HEL Event type kh. Error ellipse: s-maj=0.9km s-min=1.7km az=-1.0. Explosion.
(536) Sweden
HEL II 10 19 40 24.9–.40 67.84N 20.15E 0 0.9L
¶615765645
HEL Event type kh. Error ellipse: s-maj=1.9km s-min=9.7km az=-1.0. Explosion.
(460) Wyoming
ISC II 10 21 02 02.1–.94 43.72N–.05 105.22W–.04 0 28 1-20
IDC II 10 21 02 01.6–2.1 43.59N 105.42W 0 3.0,2.9L ¶610415260
NEIC II 10 21 02 03.0–1.8 43.73N–.05 105.28W–.07 0–2 3.0L,2.9L
ISC Event type sm.
NEIC Event type sm. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(456) Montana
ISC II 10 22 54 15.7–1.2 45.85N–.05 106.57W–.06 0 27 1-8
IDC II 10 22 54 15.6–1.5 45.58N 106.42W 0 3.0,2.8L ¶610415264
NEIC II 10 22 54 16.6–1.5 45.85N–.04 106.61W–.08 0–2 3.0L,2.8L
ISC Event type sm.
NEIC Event type sm. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(536) Sweden
ISC II 11 04 40 12.0–.68 67.81N–.02 20.23E–.02 0 80 0-10
UPP II 11 04 40 12.6–.00 67.83N 20.21E 1 2.7L ¶610415281
NAO II 11 04 40 12.8–.70 67.84N 20.43E 2.8L
HEL II 11 04 40 13.2–.10 67.83N 20.20E 1 2.7L,2.2L
IDC II 11 04 40 13.3–.87 67.79N 20.46E 0 3.8,2.9L
ISC Event type ki.
UPP Event type ki. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Confirmed Induced event.
HEL Event type ki. Error ellipse: s-maj=0.3km s-min=0.5km az=-1.0. Confirmed Induced event.
IDC Error ellipse: s-maj=14.6km s-min=7.1km az=115.0.
(329) Eastern Kazakhstan
ISC II 11 07 56 20.2–.81 49.97N–.03 78.63E–.04 0 25 1-8
NNC II 11 07 56 20.7–.80 50.05N 78.52E 0 3.4b,3.0 ¶610415298
IDC II 11 07 56 21.4–.79 50.07N 78.79E 0 3.0,2.4L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=7.5km s-min=4.2km az=84.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=12.7km s-min=5.7km az=58.0.
(329) Eastern Kazakhstan
ISC II 11 09 40 03.8–1.2 51.76N–.08 74.97E–.09 0 7 3-7
NNC II 11 09 40 01.9–1.5 52.02N 75.51E 0 3.0b,2.6 ¶610415307
IDC II 11 09 40 08.0–3.9 51.66N 75.60E 0 2.6,2.0L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=20.6km s-min=8.9km az=27.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=30.8km s-min=25.2km az=99.0.
(335) Ural Mountains region
ISC II 11 10 09 29.9–1.0 54.70N–.05 61.90E–.07 0 22 2-6
MIRAS II 11 10 09 41.7 55.17N 61.37E 0 2.4L ¶612085073
NNC II 11 10 09 49.3–3.2 54.49N 61.61E 0 3.2b,2.8
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=34.2km s-min=13.3km az=142.0. Suspected Mining explosion.
(329) Eastern Kazakhstan
ISC II 12 07 08 35.2–.99 50.13N–.05 79.42E–.07 0 13 1-5
NNC II 12 07 08 39.4–.55 50.03N 78.80E 0 3.0b,2.5 ¶610415361
IDC II 12 07 08 39.3–1.1 50.02N 78.59E 0 2.7,2.3L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=12.3km s-min=2.4km az=72.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=16.4km s-min=6.5km az=70.0.
(366) Turkey
ISK II 12 08 51 52.5 37.14N 28.30E 0–0 1.9L
¶610916119
ISK Event type sm. Suspected Mining explosion.
(460) Wyoming
ISC II 12 20 55 36.6–1.0 43.60N–.05 105.22W–.05 0 63 1-20
NEIC II 12 20 55 38.6–2.2 43.55N–.04 105.33W–.05 0–2 3.4L ¶610415400
IDC II 12 20 55 38.3–1.7 43.78N 105.54W 0 3.1,2.6L
ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=9.6km s-min=3.1km az=318.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=42.8km s-min=9.9km az=147.0.
(536) Sweden
ISC II 13 00 18 56.3–.79 67.18N–.02 20.70E–.03 0 55 0-7
UPP II 13 00 18 56.7–.10 67.19N 20.68E 1 2.4L ¶610415407
IDC II 13 00 18 57.1–1.1 67.12N 20.88E 0 2.8,2.2L
HEL II 13 00 18 57.3–.10 67.17N 20.68E 1 2.4L,2.1L
ISC Event type ki.
UPP Event type ki. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Confirmed Induced event.
IDC Error ellipse: s-maj=15.6km s-min=8.3km az=109.0.
HEL Event type ki. Error ellipse: s-maj=0.4km s-min=0.5km az=-1.0. Confirmed Induced event.
(536) Sweden
ISC II 13 03 09 24.9–1.0 67.80N–.03 20.21E–.04 0 25 0-3
UPP II 13 03 09 24.3–.10 67.83N 20.20E 0 2.7L ¶611909451
HEL II 13 03 09 25.5–.40 67.81N 20.19E 0 0.9L
ISC Event type kh.
UPP Event type ki. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Confirmed Induced event.
HEL Event type kh. Error ellipse: s-maj=1.8km s-min=8.6km az=-1.0. Explosion.
(326) Southwestern Siberia
NNC II 13 06 11 17.3–4.9 53.78N 90.76E 0 3.6b,3.3
¶612085187
NNC Event type sm. Error ellipse: s-maj=38.6km s-min=32.7km az=25.0. Suspected Mining explosion.
(548) Poland
ISC II 13 09 11 46.2–.59 51.66N–.02 16.15E–.02 0 176 1-75
IDC II 13 09 11 47.0–.70 51.55N 15.84E 0 3.6b,3.5 ¶610208777
IPEC II 13 09 11 47.6–.34 51.59N 16.21E 0–1 3.3L,3.5
BGR II 13 09 11 48.8–.51 51.57N 16.15E 1 3.6L,3.5
DNK II 13 09 11 48.9–.84 51.47N 16.05E 47–13 3.2L,3.5
PRU II 13 09 11 48.6–.00 51.57N 16.09E 0 3.2L,3.5
MCSM II 13 09 11 49.8–1.3 52N–6.0 16E–11 3–3 3.6L,3.5
ISC Event type ki.
IPEC Event type ki.
BGR Event type ki.
PRU Event type ki.
(329) Eastern Kazakhstan
ISC II 13 09 43 08.8–1.1 51.7N–.10 75.46E–.06 0 9 2-7
IDC II 13 09 43 08.8–1.0 51.72N 75.60E 0 2.5,1.9L ¶610415442
NNC II 13 09 43 08.0–2.2 51.72N 75.52E 0 2.8b,2.4
ISC Event type sm.
IDC Error ellipse: s-maj=30.6km s-min=7.9km az=30.0.
NNC Event type sm. Error ellipse: s-maj=31.4km s-min=13.2km az=17.0. Suspected Mining explosion.
(24) Alberta
ISC II 13 20 14 56.9–.59 50.20N–.03 114.78W–.03 0 3.7b 86 1-82
IDC II 13 20 14 57.1–.67 50.14N 115.01W 0 3.6,3.6L ¶610415468
ANF II 13 20 14 57.3–.66 50.13N 114.85W 0 3.5L,3.6L
PGC II 13 20 14 58.4 50.12N 114.83W 0 3.6L,3.6L
ISC Event type km.
IDC Error ellipse: s-maj=15.7km s-min=8.7km az=101.0.
ANF Error ellipse: s-maj=8.5km s-min=2.6km az=171.0.
PGC Event type km. 96km Ene of Cranbrook, Bc Alberta, Canada Mining explosion.
(326) Southwestern Siberia
NNC II 14 06 33 34.2–6.6 54.92N 87.45E 0 3.8b,3.5
¶612085258
NNC Event type sm. Error ellipse: s-maj=74.7km s-min=41.1km az=172.0. Suspected Mining explosion.
(460) Wyoming
ISC II 14 21 06 51.1–.90 43.79N–.06 105.29W–.06 0 55 1-90
IDC II 14 21 06 49.4–1.8 43.45N 105.21W 0 4.0b,3.5 ¶610415528
NEIC II 14 21 06 51.7–1.3 43.79N–.04 105.28W–.05 0–2 3.4L,3.5
ISC Event type sm.
NEIC Event type sm. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(536) Sweden
ISC II 15 00 29 09.8–.81 67.82N–.02 20.25E–.03 0 48 0-3
UPP II 15 00 29 09.9–.00 67.84N 20.21E 0 2.4L ¶611909478
HEL II 15 00 29 11.1–.20 67.83N 20.27E 0 1.4L
ISC Event type kh.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
HEL Event type kh. Error ellipse: s-maj=0.9km s-min=4.0km az=-1.0. Explosion.
(329) Eastern Kazakhstan
ISC II 15 07 10 01.6–1.9 49.99N–.07 78.6E–.30 0 26 1-6
NNC II 15 07 10 00.9–.40 50.01N 78.74E 0 2.7b,2.2 ¶610415549
IDC II 15 07 10 02.0–1.2 50.05N 78.75E 0 2.3,2.0L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=9.5km s-min=1.8km az=74.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=15.2km s-min=7.7km az=65.0.
(721) Finland
ISC II 15 11 37 39.1–.75 63.20N–.02 27.83E–.03 0 40 1-8
IDC II 15 11 37 40.1–1.9 63.14N 28.03E 0 3.0,2.0L ¶610415563
HEL II 15 11 37 41.5–.10 63.15N 27.78E 0 1.9L,2.0L
ISC Event type kh.
IDC Error ellipse: s-maj=30.2km s-min=8.0km az=104.0.
HEL Event type kh. Error ellipse: s-maj=0.6km s-min=1.9km az=-1.0. Explosion.
(536) Sweden
HEL II 15 12 05 29.0–.50 67.93N 20.28E 0 1.2L
¶615765763

HEL Event type kh. Error ellipse: s-maj=2.1km s-min=10.2km az=-1.0. Explosion.
(724) Baltic States-Belarus-Northwestern Russia
HEL II 15 12 05 35.9–.40 67.58N 30.45E 0 1.5L
¶615765764
HEL Event type kh. Error ellipse: s-maj=1.8km s-min=6.9km az=-1.0. Explosion.
(456) Montana
ISC II 15 17 50 27.7–1.2 45.89N–.06 107.11W–.07 0 29 1-9
IDC II 15 17 50 28.9–1.7 45.46N 106.72W 0 3.0,2.6L **¶610415577**
NEIC II 15 17 50 29.4–2.7 45.87N–.04 107.07W–.06 0–2 2.6L,2.6L
ISC Event type sm.
NEIC Event type sm. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(460) Wyoming
ISC II 15 21 02 11.0–.98 43.86N–.06 105.38W–.06 0 30 1-89
NEIC II 15 21 02 11.9–2.4 43.86N–.05 105.43W–.06 0–2 3.2L **¶610415585**
IDC II 15 21 02 11.1–1.6 43.88N 105.47W 0 3.7b,3.4
ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=8.5km s-min=6.9km az=31.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=44.8km s-min=8.5km az=148.0.
(456) Montana
ISC II 16 00 03 27.5–1.3 45.19N–.06 106.81W–.07 0 20 2-9
NEIC II 16 00 03 27.9–2.0 45.15N–.04 106.86W–.07 0–2 2.7L **¶610415598**
IDC II 16 00 03 27.7–1.3 44.82N 106.61W 0 3.5,3.0L
ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=8.8km s-min=6.0km az=283.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=53.7km s-min=9.3km az=138.0.
(544) Switzerland
LDG II 16 00 20 05.0–.40 47.16N 7.34E 2 1.7,1.4L
¶610272598
LDG Event type si. Error ellipse: s-maj=8.8km s-min=3.4km az=116.0.
(536) Sweden
UPP II 16 00 24 45.3–.00 67.82N 20.20E 0 2.3L
HEL II 16 00 24 46.1–.50 67.83N 19.87E 0 1.5L **¶611909508**
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
HEL Event type kh. Error ellipse: s-maj=2.0km s-min=9.6km az=-1.0. Explosion.
(326) Southwestern Siberia
NNC II 16 07 31 51.8–1.8 54.38N 86.07E 0 3.6b,2.9
¶612085412
NNC Event type sm. Error ellipse: s-maj=27.5km s-min=10.1km az=156.0. Suspected Mining explosion.
(329) Eastern Kazakhstan
ISC II 16 09 00 03.7–1.3 49.75N–.06 83.50E–.09 0 8 3-4
NNC II 16 09 00 00.7–2.2 49.84N 83.74E 0 2.8b,2.5 **¶610415620**
IDC II 16 09 00 00.0–1.9 49.57N 83.87E 0 2.3,1.4L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=22.0km s-min=6.7km az=56.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=23.1km s-min=11.2km az=87.0.
(329) Eastern Kazakhstan
ISC II 16 10 07 30.0–1.2 51.70N–.08 75.33E–.09 0 9 2-7
NNC II 16 10 07 29.2–.94 51.73N 75.37E 0 3.1b,2.7 **¶610415625**
IDC II 16 10 07 32.3–6.2 51.54N 75.67E 0 2.7,2.3L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=18.7km s-min=6.5km az=24.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=78.8km s-min=36.2km az=81.0.
(536) Sweden
UPP II 16 10 58 02.4–.00 67.63N 21.01E 0 1.8L
HEL II 16 10 58 02.4–.30 67.62N 20.96E 0 1.6L **¶611909513**
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
HEL Event type kh. Error ellipse: s-maj=1.0km s-min=5.3km az=-1.0. Explosion.
(536) Sweden
ISC II 16 11 11 30.0–.77 63.70N–.02 19.96E–.03 0 48 0-6
UPP II 16 11 11 31.3–.10 63.72N 20.07E 0 1.8L **¶610415630**
HEL II 16 11 11 32.6–.30 63.74N 20.13E 0 1.7L
IDC II 16 11 11 36.5–2.9 63.83N 21.63E 0 2.6,1.5L
ISC Event type kh.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
HEL Event type kh. Error ellipse: s-maj=1.2km s-min=5.2km az=-1.0. Explosion.
IDC Error ellipse: s-maj=39.1km s-min=9.8km az=73.0.
(547) Czech and Slovak Republics
PRU II 16 21 54 49.7–.00 49.75N 18.75E 0
¶610236236
PRU Event type ki.
(536) Sweden
HEL II 17 05 22 06.4–.40 67.80N 19.84E 0 1.1L
¶615765822
HEL Event type kh. Error ellipse: s-maj=1.4km s-min=8.1km az=-1.0. Explosion.
(329) Eastern Kazakhstan
ISC II 17 09 32 59.8–1.4 51.5N–.10 75.47E–.08 0 6 2-7
NNC II 17 09 32 58.6–2.8 51.67N 75.46E 0 2.9b,2.5 **¶610415680**
IDC II 17 09 33 00.1–1.4 51.73N 75.62E 0 2.4,1.7L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=126.1km s-min=17.5km az=26.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=27.9km s-min=11.6km az=30.0.
(721) Finland
HEL II 17 09 59 10.6–.30 65.88N 24.28E 0 1.1L
¶615765829
HEL Event type kh. Error ellipse: s-maj=1.9km s-min=5.0km az=-1.0. Explosion.
(723) Finland-Karelia border region
HEL II 17 09 59 27.6–.10 64.74N 30.71E 0 2.0L
KOLA II 17 09 59 30.3 64.74N 30.57E 0 2.1L **¶615316875**
HEL Event type kh. Error ellipse: s-maj=0.7km s-min=3.6km az=-1.0. Explosion.
KOLA Error ellipse: s-maj=32.9km s-min=32.1km az=20.0. Kostomuksha, Karelia.
(721) Finland
HEL II 17 12 27 23.1–.10 60.88N 23.36E 0 1.1L
¶615765840
HEL Event type kh. Error ellipse: s-maj=0.9km s-min=1.8km az=-1.0. Explosion.
(547) Czech and Slovak Republics
ISC II 17 15 17 03.6–2.1 50.62N–.08 13.68E–.08 0 26 2-4
IPEC II 17 15 17 04.3–.08 50.57N 13.71E 0 2.1L,-1.0s **¶611306906**
VIE II 17 15 17 05.1 50.50N 13.68E 0 2.6L,2.2b
ISC Event type sr.
IPEC Event type km. Error ellipse: s-maj=0.8km s-min=0.6km az=93.0. Mining explosion.
VIE Event type sr. 62 km S of Dresden . Suspected Mining induced.
(724) Baltic States-Belarus-Northwestern Russia
ISC II 17 17 21 17.3–.91 67.58N–.04 33.85E–.04 0 46 0-12
HEL II 17 17 21 18.5–.20 67.60N 33.82E 0 1.7L **¶610415713**
KOLA II 17 17 21 18.1 67.57N 33.83E 0 1.9L
IDC II 17 17 21 22.0–2.5 67.67N 33.21E 0 3.0,2.1L
ISC Event type kh.
HEL Event type kh. Error ellipse: s-maj=1.8km s-min=3.9km az=-1.0. Explosion.
KOLA Error ellipse: s-maj=5.7km s-min=1.5km az=160.0. Khibiny Massif.
IDC Error ellipse: s-maj=27.2km s-min=12.2km az=70.0.
(536) Sweden
ISC II 17 18 02 29.5–.75 67.06N–.02 20.97E–.03 0 64 0-8
IDC II 17 18 02 29.7–.96 67.04N 20.76E 0 2.8,1.9L **¶610415717**
UPP II 17 18 02 30.1–.10 67.05N 20.98E 0 2.5L,1.9L
HEL II 17 18 02 31.2–.20 67.07N 21.09E 0 2.2L,1.9L
ISC Event type kh.
IDC Error ellipse: s-maj=15.7km s-min=8.1km az=114.0.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
HEL Event type kh. Error ellipse: s-maj=1.1km s-min=5.3km az=-1.0. Explosion.
(536) Sweden
ISC II 17 20 31 36.5–.84 67.81N–.02 20.25E–.03 0 50 0-8
HEL II 17 20 31 34.7–.40 67.81N 19.86E 0 1.8L **¶610415722**
UPP II 17 20 31 36.2–.00 67.82N 20.21E 0 2.1L
IDC II 17 20 31 36.4–1.4 67.83N 20.01E 0 2.9,2.0L
ISC Event type kh.
HEL Event type kh. Error ellipse: s-maj=1.3km s-min=8.2km az=-1.0. Explosion.
UPP Event type ki. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Confirmed Induced event.
IDC Error ellipse: s-maj=22.7km s-min=10.0km az=116.0.
(326) Southwestern Siberia
NNC II 18 06 50 59.8–4.3 53.37N 90.53E 0 3.9b,3.6
¶612085578
NNC Event type sm. Error ellipse: s-maj=34.5km s-min=30.2km az=76.0. Suspected Mining explosion.
(538) France
STR II 18 07 23 01.8–.43 50N–6.0 1W–4.0 0 3.2
¶615491270
STR Event type sh. manual. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/haslach_taup-2.11. preliminary.
(329) Eastern Kazakhstan
ISC II 18 08 18 59.0–1.3 51.6N–.10 75.25E–.08 0 8 2-7
NNC II 18 08 18 58.2–.63 51.73N 75.40E 0 3.0b,2.7 **¶610415750**
IDC II 18 08 19 02.0–1.2 51.57N 75.34E 0 2.5,1.9L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=16.2km s-min=4.2km az=26.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=46.2km s-min=10.6km az=27.0.
(366) Turkey
ISK II 18 09 36 16.5 36.18N 33.41E 0–0 1.7L
DDA II 18 09 36 16.4–.00 36.15N 33.44E 9–1 2.2L **¶610239605**
ISK Event type sm. Suspected Mining explosion.
(724) Baltic States-Belarus-Northwestern Russia
ISC II 18 12 05 04.5–.84 67.60N–.03 33.81E–.03 0 86 0-12
HEL II 18 12 05 05.3–.10 67.60N 33.78E 0 2.1L **¶614403730**
BER II 18 12 05 06.1–2.0 67.59N 33.95E 0 2.8L,2.2L
KOLA II 18 12 05 06.1 67.64N 33.79E 0 2.3L,2.2L
NAO II 18 12 05 06.1–1.1 67.66N 33.77E 2.8L,2.2L
IDC II 18 12 05 07.3–1.9 67.75N 33.67E 0 3.5,2.7L
ISC Event type kh.
HEL Event type kh. Error ellipse: s-maj=1.6km s-min=3.3km az=-1.0. Explosion.
BER Event type sh. Error ellipse: s-maj=5.8km s-min=32.8km az=-1.0. Suspected explosion.
KOLA Error ellipse: s-maj=6.0km s-min=2.5km az=150.0. Khibiny, mines Kirovsk, Yukspor,Khibiny, mines Rasvumchorr, Central.
IDC Error ellipse: s-maj=21.0km s-min=9.5km az=79.0.
(536) Sweden
ISC II 18 21 34 48.4–.76 67.18N–.02 20.74E–.02 0 62 0-4
DNK II 18 21 34 49.2–.45 67.17N 20.66E 0 3.0L **¶611676659**
HEL II 18 21 34 49.5–.30 67.17N 20.67E 0 1.4L
UPP II 18 21 34 49.0–.10 67.18N 20.64E 0 3.0L
BER II 18 21 34 50.6–1.4 67.05N 20.87E 0 1.5L
ISC Event type kh.
DNK Event type sh. Error ellipse: s-maj=1.1km s-min=3.1km az=-1.0. Suspected explosion.
HEL Event type kh. Error ellipse: s-maj=1.0km s-min=5.3km az=-1.0. Explosion.
UPP Event type ki. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Confirmed Induced event.
BER Event type sh. Error ellipse: s-maj=6.2km s-min=12.5km az=-1.0. Suspected explosion.
(536) Sweden
ISC II 19 00 34 55.9–.80 67.85N–.02 20.22E–.02 0 47 0-4
UPP II 19 00 34 55.9–.10 67.84N 20.20E 4–4 2.6L **¶611909544**
HEL II 19 00 34 56.0–.10 67.83N 20.16E 0 1.8L
ISC Event type kh.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
HEL Event type kh. Error ellipse: s-maj=0.7km s-min=2.9km az=-1.0. Explosion.
(326) Southwestern Siberia
NNC II 19 01 00 16.1–3.2 52.66N 87.68E 0 3.5b,3.1
¶612085637
NNC Event type sm. Error ellipse: s-maj=26.6km s-min=11.8km az=84.0. Suspected Mining explosion.
(364) Greece
ATH II 19 12 54 30.8 40.50N 21.86E 0–25
¶615491325
ATH Event type sm. Error ellipse: s-maj=25.5km s-min=2.9km az=328.0. Suspected Mining explosion.
(536) Sweden
ISC II 19 15 54 34.1–.81 58.77N–.03 15.03E–.02 0 45 0-12
IDC II 19 15 54 35.0–2.0 58.69N 14.75E 0 3.7,1.6L **¶610415824**
UPP II 19 15 54 35.1–.10 58.82N 15.06E 0 2.2L,1.6L
DNK II 19 15 54 35.8–2.1 58.83N 15.12E 0 2.2L,1.5L
ISC Event type kh.
IDC Error ellipse: s-maj=18.8km s-min=11.6km az=31.0.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
DNK Event type kh. Error ellipse: s-maj=4.0km s-min=7.0km az=-1.0. Explosion.
(460) Wyoming
ISC II 19 23 53 53.8–1.0 43.72N–.06 105.26W–.07 0 13 1-20
IDC II 19 23 53 52.7–2.2 43.57N 105.37W 0 3.0,3.0L **¶610415848**
NEIC II 19 23 53 55.2–1.6 43.72N–.05 105.25W–.05 0–2 3.0,3.0L
ISC Event type sm.
NEIC Event type sm. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(547) Czech and Slovak Republics
PRU II 20 04 12 29.7–.00 49.98N 18.95E 0
¶610239882
PRU Event type ki.
(326) Southwestern Siberia
NNC II 20 08 55 26.2–2.4 54.83N 85.24E 0 3.6b,2.6
¶612085685
NNC Event type sm. Error ellipse: s-maj=30.7km s-min=12.0km az=97.0. Suspected Mining explosion.
(329) Eastern Kazakhstan
NNC II 20 10 07 02.8–1.1 51.81N 75.53E 0 3.5b,3.5
¶612085695
NNC Event type sm. Error ellipse: s-maj=15.2km s-min=6.5km az=19.0. Suspected Mining explosion.
(336) Western Kazakhstan
ISC II 20 12 23 37.5–1.5 48.7N–.10 58.96E–.07 35 8 1-22
IDC II 20 12 23 36.5–1.7 48.96N 58.85E 0 3.6b,3.5 **¶610384683**
ISC Event type ke.
IDC Error ellipse: s-maj=16.8km s-min=15.5km az=172.0.
(460) Wyoming
ISC II 20 20 21 10.4–.94 43.49N–.04 105.43W–.06 0 30 1-20
IDC II 20 20 21 10.5–1.6 43.44N 105.43W 0 2.9,2.6L **¶610384702**
NEIC II 20 20 21 12.9–3.0 43.52N–.06 105.36W–.04 0–1 3.4L,2.6L
ISC Event type sm.
NEIC Event type sm. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(460) Wyoming
ISC II 20 21 05 51.0–.85 43.93N–.06 105.50W–.06 0 31 1-89
NEIC II 20 21 05 51.4–.98 43.95N–.03 105.44W–.07 0–1 3.3L **¶610384704**
IDC II 20 21 05 53.7–1.9 44.05N 105.68W 0 3.8b,3.5
ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=8.8km s-min=4.7km az=300.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=60.7km s-min=9.0km az=145.0.
(536) Sweden
UPP II 21 00 39 35.3–.00 67.84N 20.18E 0 2.5L
HEL II 21 00 39 34.2–.50 67.80N 19.95E 0 1.5L **¶611909571**
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
HEL Event type kh. Error ellipse: s-maj=3.2km s-min=8.0km az=-1.0. Explosion.
(326) Southwestern Siberia
ISC II 21 06 43 57.0–3.5 53.5N–.10 87.7E–.20 0 13 2-8
NNC II 21 06 43 56.6–1.5 53.43N 87.72E 0 3.0b,2.6 **¶610384729**
IDC II 21 06 43 56.1–2.6 53.56N 87.80E 0 3.9,2.8L
ISC Event type sm.

NNC Event type sm. Error ellipse: s-maj=11.2km s-min=6.2km az=66.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=22.4km s-min=14.9km az=62.0.

(723) Finland-Karelia border region
ISC II 21 10 43 17.4–.87 64.76N–.02 30.66E–.04 0 67 1-10
UPP II 21 10 43 17.9–2.7 64.61N 30.73E 0 1.8L **¶610384744**
IDC II 21 10 43 18.9–2.7 64.71N 30.81E 0 2.7,2.1L
HEL II 21 10 43 18.0–.20 64.74N 30.74E 0 2.0L,2.1L
KOLA II 21 10 43 19.5 64.79N 30.98E 0 2.1L,2.1L
ISC Event type kh.
UPP Error ellipse: s-maj=0.1km s-min=0.5km az=-1.0.
IDC Error ellipse: s-maj=41.0km s-min=8.4km az=102.0.
HEL Event type kh. Error ellipse: s-maj=0.8km s-min=3.7km az=-1.0. Explosion.
KOLA Error ellipse: s-maj=23.4km s-min=12.5km az=160.0. Kostomuksha, Karelia.

(721) Finland
HEL II 21 12 19 57.5–.60 60.25N 23.52E 0 1.1L ¶615765964
HEL Event type kh. Error ellipse: s-maj=5.7km s-min=5.2km az=-1.0. Explosion.

(536) Sweden
ISC II 21 18 02 44.6–.75 67.01N–.02 20.94E–.02 0 65 0-8
UPP II 21 18 02 43.2–.10 67.05N 20.95E 0 2.1L **¶610384763**
HEL II 21 18 02 44.7–.30 66.76N 20.71E 0 2.0L
IDC II 21 18 02 45.3–.85 67.13N 21.32E 0 3.0,2.1L
BER II 21 18 02 47.6–1.4 67.05N 21.00E 0 1.7L,2.1L
ISC Event type kh.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
HEL Event type kh. Error ellipse: s-maj=1.6km s-min=6.8km az=-1.0. Explosion.
IDC Error ellipse: s-maj=14.8km s-min=6.6km az=116.0.
BER Event type sh. Error ellipse: s-maj=5.0km s-min=9.5km az=-1.0. Suspected explosion.

(536) Sweden
ISC II 21 23 30 28.4–.74 67.20N–.02 20.78E–.02 0 64 0-4
HEL II 21 23 30 29.9–.20 67.19N 20.74E 0 1.4L **¶611676711**
DNK II 21 23 30 29.5–.41 67.18N 20.69E 0 2.8L
UPP II 21 23 30 29.2–.10 67.18N 20.69E 0 2.8L
BER II 21 23 30 32.9–1.6 67.31N 20.86E 0 1.3L
ISC Event type kh.
HEL Event type kh. Error ellipse: s-maj=1.0km s-min=4.8km az=-1.0. Explosion.
DNK Event type kh. Error ellipse: s-maj=0.9km s-min=1.9km az=-1.0. Explosion.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
BER Event type sh. Error ellipse: s-maj=5.8km s-min=13.0km az=-1.0. Suspected explosion.

(548) Poland
ISC II 22 07 49 21.9–.62 51.59N–.03 16.13E–.03 0 3.8s,3.5b 83 1-67
IDC II 22 07 49 23.6–.68 51.48N 16.09E 0 3.7s,3.4b **¶610239919**
IPEC II 22 07 49 23.4–.38 51.49N 16.15E 0–1 2.6L,3.4b
PRU II 22 07 49 24.1–.00 51.47N 16.10E 0 2.6L,3.4b
VIE II 22 07 49 25.1 51.38N 16.00E 0 2.8L,2.5b
ISC Event type sr.
IDC Error ellipse: s-maj=14.9km s-min=7.3km az=105.0.
IPEC Event type ki. Error ellipse: s-maj=2.7km s-min=1.1km az=31.0.
PRU Event type ki.
VIE Event type sr. 77 km WNW of Wroclaw . Suspected Mining induced.

(724) Baltic States-Belarus-Northwestern Russia
ISC II 22 10 35 52.8–.91 64.82N–.02 31.02E–.04 0 81 1-10
BER II 22 10 35 52.5–1.7 64.59N 31.11E 0 1.9L **¶610384800**
HEL II 22 10 35 53.8–.20 64.78N 30.73E 0 2.0L
UPP II 22 10 35 54.1–2.9 64.55N 30.79E 0 1.8L
IDC II 22 10 35 55.9–1.8 64.78N 30.07E 0 3.0,2.0L
KOLA II 22 10 35 55.6 64.74N 30.66E 0 2.6L,2.0L
ISC Event type kh.
BER Event type sh. Error ellipse: s-maj=13.7km s-min=38.1km az=-1.0. Suspected explosion.
HEL Event type kh. Error ellipse: s-maj=0.8km s-min=3.7km az=-1.0. Explosion.
UPP Error ellipse: s-maj=0.2km s-min=0.5km az=-1.0.
IDC Error ellipse: s-maj=27.5km s-min=7.5km az=98.0.
KOLA Error ellipse: s-maj=24.3km s-min=18.0km az=30.0. Kostomuksha, Karelia.

(721) Finland
HEL II 22 11 51 37.4–.20 62.22N 26.85E 0 1.2L ¶615765992
HEL Event type kh. Error ellipse: s-maj=1.4km s-min=2.3km az=-1.0. Explosion.

(536) Sweden
DNK II 22 12 00 01.5–.74 57.64N 11.97E 0 1.2L ¶615914093
DNK Event type kh. Error ellipse: s-maj=1.5km s-min=6.6km az=-1.0. Explosion.

(724) Baltic States-Belarus-Northwestern Russia
HEL II 22 12 05 24.7–.20 67.77N 33.61E 0 1.5L ¶615316900
HEL Event type kh. Error ellipse: s-maj=4.0km s-min=4.7km az=-1.0. Explosion.

(721) Finland
HEL II 22 12 05 31.2–.10 62.85N 29.24E 0 1.3L ¶615765995
HEL Event type kh. Error ellipse: s-maj=1.4km s-min=2.6km az=-1.0. Explosion.

(724) Baltic States-Belarus-Northwestern Russia
LVSN II 22 12 08 21.3–5.6 59.19N 27.68E 0–53 1.9L
EST II 22 12 08 17.1–.10 59.22N 27.97E 0 1.7L **¶616228565**
LVSN Error ellipse: s-maj=18.1km s-min=84.7km az=-1.0.
EST Event type kh. Error ellipse: s-maj=0.5km s-min=0.8km az=-1.0. Explosion.

(723) Finland-Karelia border region
HEL II 22 12 08 33.7–.10 60.61N 27.64E 0 1.3L ¶615296636
HEL Event type kh. Error ellipse: s-maj=0.2km s-min=0.4km az=-1.0. Explosion.

(366) Turkey
ISC II 22 12 21 07.6–.97 37.00N–.03 37.18E–.02 0 27 0-2
DDA II 22 12 21 06.7–.00 37.00N 37.17E 7–2 2.5L **¶610917762**
ISK II 22 12 21 07.3 37.05N 37.10E 0–0 1.9L
ISC Event type sm.
ISK Event type sm. Suspected Mining explosion.

(546) Austria
VIE II 22 15 06 06.2 47.93N 14.30E 0 1.6L,1.5b ¶616228566
VIE Event type sm. 10 km SSW of Aschach a.d. Steyr . Suspected Mining explosion.

(383) Northwestern Balkan Peninsula
LJU II 22 15 06 19.9 46.39N 15.07E 0 0.4L ¶611306962
LJU Event type kr. Confirmed Rockburst.

(460) Wyoming
ISC II 22 20 25 41.0–.83 43.61N–.06 105.23W–.06 0 3.2s 44 1-62
IDC II 22 20 25 37.8–2.8 43.08N 105.06W 0 3.6,3.6b **¶610384828**
NEIC II 22 20 25 42.5–1.4 43.60N–.05 105.33W–.09 0–2 3.4L,3.6b
ISC Event type sm.
NEIC Event type sm. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(460) Wyoming
ISC II 22 22 11 43.6–.95 43.55N–.05 105.27W–.06 0 38 1-20
IDC II 22 22 11 41.0–2.7 43.03N 105.04W 0 3.4,2.8s **¶610384832**
NEIC II 22 22 11 44.5–1.1 43.56N–.05 105.30W–.02 0–2 3.3L,2.8s
ISC Event type sm.
NEIC Event type sm. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(548) Poland
ISC II 23 05 22 27.3–.70 50.19N–.03 18.94E–.02 0 63 1-20
PRU II 23 05 22 28.9–.00 50.17N 18.88E 0 **¶610239721**
IPEC II 23 05 22 28.4–.17 50.19N 18.98E 1 2.6L
VIE II 23 05 22 28.1 50.37N 18.97E 0 2.5L,2.4b
IDC II 23 05 22 29.6–1.0 50.10N 19.00E 0 3.3,2.8L
ISC Event type sr.
PRU Event type ki.
IPEC Event type ki. Error ellipse: s-maj=2.4km s-min=1.0km az=167.0.
VIE Event type sr. 13 km N of Katowice . Suspected Mining induced.
IDC Error ellipse: s-maj=20.4km s-min=9.0km az=145.0.

(329) Eastern Kazakhstan
ISC II 23 07 17 55.8–.97 50.04N–.05 78.81E–.07 0 29 1-5
NNC II 23 07 17 54.7–.57 50.02N 78.78E 0 3.0b,2.6 **¶610384853**
IDC II 23 07 17 55.6–1.1 50.06N 78.77E 0 2.9,2.5L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=10.0km s-min=2.9km az=77.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=15.6km s-min=7.3km az=64.0.

(724) Baltic States-Belarus-Northwestern Russia
ISC II 23 08 27 06.5–.64 59.79N–.02 23.94E–.02 0 123 0-36
DNK II 23 08 27 06.2–1.7 59.78N 24.18E 0 2.9L,2.6L **¶610384855**
EST II 23 08 27 08.2 59.80N 23.97E 0 2.2L,2.6L
HEL II 23 08 27 08.2–.10 59.80N 23.97E 0 2.2L,2.6L
UPP II 23 08 27 08.1–2.4 59.83N 23.99E 0 2.6L,2.6L
BER II 23 08 27 08.8–1.7 59.77N 24.13E 0 2.2L,2.2L
IDC II 23 08 27 09.4–.85 59.86N 24.02E 0 3.4,3.4L
ISC Event type kh.
DNK Event type sh. Error ellipse: s-maj=6.2km s-min=14.9km az=-1.0. Suspected explosion.
EST Event type kh. Explosion.
HEL Event type kh. Error ellipse: s-maj=0.4km s-min=0.6km az=-1.0. Explosion.
UPP Error ellipse: s-maj=0.1km s-min=0.4km az=-1.0.
BER Event type sh. Error ellipse: s-maj=3.6km s-min=7.2km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=11.4km s-min=6.5km az=138.0.

(724) Baltic States-Belarus-Northwestern Russia
ISC II 23 08 39 55.6–.72 59.79N–.02 23.95E–.02 0 38 0-10
IDC II 23 08 39 56.4–2.3 59.69N 24.21E 0 3.1,2.2L **¶610384860**
EST II 23 08 39 57.7 59.77N 24.04E 0 1.8L,2.2L
HEL II 23 08 39 57.7–.10 59.77N 24.04E 0 1.8L,2.2L
ISC Event type kh.
IDC Error ellipse: s-maj=25.4km s-min=8.6km az=144.0.
EST Event type kh. Explosion.
HEL Event type kh. Error ellipse: s-maj=0.7km s-min=0.7km az=-1.0. Explosion.

(724) Baltic States-Belarus-Northwestern Russia
ISC II 23 09 23 03.6–.68 59.79N–.02 24.12E–.02 0 75 0-13
DNK II 23 09 23 02.8–.80 59.94N 24.36E 0 2.4L **¶610384868**
IDC II 23 09 23 04.2–1.5 59.67N 24.25E 0 3.3,2.6L
UPP II 23 09 23 04.7–2.4 59.94N 24.12E 0 2.4L,2.6L
HEL II 23 09 23 05.6–.10 59.79N 24.00E 0 2.1L,2.6L
EST II 23 09 23 05.6 59.79N 24.00E 0 2.1L,2.6L
ISC Event type kh.
DNK Event type sh. Error ellipse: s-maj=12.9km s-min=13.5km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=17.6km s-min=6.6km az=140.0.
UPP Error ellipse: s-maj=0.1km s-min=0.4km az=-1.0.
HEL Event type kh. Error ellipse: s-maj=0.4km s-min=0.6km az=-1.0. Explosion.
EST Event type kh. Explosion.

(724) Baltic States-Belarus-Northwestern Russia
ISC II 23 09 32 07.8–.75 59.75N–.02 24.03E–.03 0 38 1-10
IDC II 23 09 32 05.8–3.2 59.45N 24.50E 0 3.2,2.0L **¶610384870**
EST II 23 09 32 09.7 59.77N 24.06E 0 1.6L,2.0L
HEL II 23 09 32 09.7–.10 59.77N 24.06E 0 1.5L,2.0L
ISC Event type kh.
IDC Error ellipse: s-maj=42.3km s-min=12.7km az=148.0.
EST Event type kh. Explosion.
HEL Event type kh. Error ellipse: s-maj=0.6km s-min=0.7km az=-1.0. Explosion.

(329) Eastern Kazakhstan
ISC II 23 10 39 35.5–.89 51.37N–.06 75.57E–.04 0 13 2-6
NNC II 23 10 39 36.0–1.2 51.58N 75.64E 0 3.2b,2.8 **¶610384873**
IDC II 23 10 39 37.6–1.4 51.40N 75.70E 0 2.5,2.1L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=24.2km s-min=7.8km az=20.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=22.3km s-min=11.0km az=30.0.

(336) Western Kazakhstan
ISC II 23 11 19 53.3–1.1 53.37N–.08 62.79E–.06 0 14 4-14
IDC II 23 11 19 54.2–.98 53.48N 62.84E 0 3.2,2.1L **¶610384877**
NNC II 23 11 19 59.8–1.9 52.71N 63.36E 0 3.0b,2.6
ISC Event type sm.
IDC Error ellipse: s-maj=16.6km s-min=9.7km az=10.0.
NNC Event type sm. Error ellipse: s-maj=31.9km s-min=5.2km az=151.0. Suspected Mining explosion.

(724) Baltic States-Belarus-Northwestern Russia
HEL II 23 19 15 54.9–.20 67.58N 33.92E 0 1.5L ¶615766035
HEL Event type kh. Error ellipse: s-maj=2.0km s-min=4.6km az=-1.0. Explosion.

(724) Baltic States-Belarus-Northwestern Russia
HEL II 23 19 58 48.8–.40 68.12N 33.09E 0 1.2L ¶615766038
HEL Event type kh. Error ellipse: s-maj=5.2km s-min=3.6km az=-1.0. Explosion.

(456) Montana
ISC II 23 20 44 30.8–.98 45.83N–.05 107.09W–.05 0 27 1-17
NEIC II 23 20 44 32.2–2.4 45.80N–.04 106.98W–.07 0–2 2.7L **¶610384899**
IDC II 23 20 44 34.0–2.3 45.77N 107.68W 0 3.2L,2.7
ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=8.4km s-min=5.9km az=81.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=46.6km s-min=17.7km az=112.0.

(724) Baltic States-Belarus-Northwestern Russia
ISC II 23 22 46 49.6–.82 67.65N–.04 33.79E–.03 0 50 0-12
HEL II 23 22 46 50.5–.20 67.62N 33.80E 0 1.8L **¶610384904**
KOLA II 23 22 46 50.3 67.64N 33.77E 0 2.0L
IDC II 23 22 46 52.0–1.9 67.74N 33.58E 0 3.6,2.7L
ISC Event type kh.
HEL Event type kh. Error ellipse: s-maj=2.0km s-min=3.9km az=-1.0. Explosion.
KOLA Error ellipse: s-maj=6.6km s-min=2.7km az=150.0. Khibiny, mines Kirovsk, Yukspor.
IDC Error ellipse: s-maj=21.4km s-min=10.6km az=78.0.

(536) Sweden
ISC II 24 00 32 24.4–.83 67.81N–.02 20.16E–.03 0 39 0-4
UPP II 24 00 32 25.1–.00 67.86N 20.19E 0 2.5L **¶611909621**
HEL II 24 00 32 25.8–.10 67.84N 20.15E 0 1.7L
ISC Event type kh.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
HEL Event type kh. Error ellipse: s-maj=0.5km s-min=2.6km az=-1.0. Explosion.

(548) Poland
ISC II 24 03 09 57.0–.55 51.64N–.03 16.12E–.02 0 3.6b 155 1-75
DNK II 24 03 09 57.9–.88 51.38N 16.05E 44–11 2.5L **¶610240078**
IPEC II 24 03 09 58.2–.35 51.60N 16.16E 0–1 3.1L
IDC II 24 03 09 59.0–.57 51.58N 16.01E 0 3.5,3.5b
BGR II 24 03 09 59.3–.44 51.55N 16.11E 1 3.4L,3.5b
PRU II 24 03 09 59.3–.00 51.56N 16.07E 0 3.4L,3.5b
LDG II 24 03 10 00.2–.19 51.57N 16.11E 1 3.3L,3.5b
ISC Event type sr.
DNK Error ellipse: s-maj=7.3km s-min=26.1km az=-1.0.
IPEC Event type ki. Error ellipse: s-maj=2.5km s-min=1.2km az=29.0.
IDC Error ellipse: s-maj=10.5km s-min=5.9km az=108.0.
BGR Event type ki. Error ellipse: s-maj=4.4km s-min=2.2km az=24.0.
PRU Event type ki.
LDG Event type sr. Error ellipse: s-maj=4.1km s-min=2.4km az=19.0. Suspected Mining induced.

(329) Eastern Kazakhstan
ISC II 24 07 23 14.8–2.1 50.05N–.07 78.5E–.20 0 27 1-8
IDC II 24 07 23 15.9–1.0 50.06N 78.73E 0 2.6,2.2L **¶610384920**
NNC II 24 07 23 15.3–.37 50.02N 78.75E 0 2.7b,2.3
ISC Event type sm.
IDC Error ellipse: s-maj=12.7km s-min=6.5km az=66.0.
NNC Event type sm. Error ellipse: s-maj=9.1km s-min=1.6km az=72.0. Suspected Mining explosion.

(336) Western Kazakhstan
ISC II 24 07 34 58.4–2.0 52.2N–.20 61.1E–.10 10 6 3-15
IDC II 24 07 34 57.5–2.4 52.50N 60.97E 0 2.7,2.4L **¶610384921**
ISC Event type ke.
IDC Error ellipse: s-maj=53.4km s-min=14.2km az=157.0.

(329) Eastern Kazakhstan
ISC II 24 08 52 59.1–1.4 51.7N–.10 75.61E–.10 0 7 2-7
NNC II 24 08 52 54.0–.60 51.89N 75.46E 0 3.1b,2.7 **¶610384923**

IDC II 24 08 53 00.2–6.3 51.56N 75.76E 0 2.6,2.0L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=11.1km s-min=3.5km az=24.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=80.6km s-min=36.7km az=81.0.
(329) Eastern Kazakhstan
ISC II 24 10 45 54.7–.89 51.68N–.06 75.16E–.04 0 27 2-10
NNC II 24 10 45 55.9–.67 51.73N 75.41E 0 3.8b,3.7 **¶610384930**
IDC II 24 10 45 58.5–.94 51.78N 75.57E 0 2.8,2.2L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=7.8km s-min=3.8km az=17.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=19.7km s-min=7.8km az=30.0.
(713) Central Kazakhstan
ISC II 24 12 10 10.6–2.0 43.48N–.07 69.86E–.08 0 41 1-7
SOME II 24 12 10 03.6 43.73N 69.67E **¶612085980**
KRNET II 24 12 10 05.6–.10 43.68N 69.75E 10 3.2b
NNC II 24 12 10 06.5–1.0 43.66N 69.77E 0 3.9b,3.7
ISC Event type kx.
SOME Event type kx.
NNC Event type se. Error ellipse: s-maj=6.1km s-min=4.8km az=103.0.
(456) Montana
ISC II 24 17 07 34.6–1.1 45.13N–.05 106.58W–.06 0 31 2-9
IDC II 24 17 07 34.9–1.4 44.82N 106.54W 0 3.4,3.1L **¶610384947**
NEIC II 24 17 07 35.5–2.6 45.09N–.03 106.67W–.07 0–2 2.7L,3.1L
ISC Event type sm.
NEIC Event type sm. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(721) Finland
HEL II 24 17 45 41.5–.00 60.14N 24.65E 0 0.1L
¶615766064
HEL Event type kh. Error ellipse: s-maj=0.4km s-min=0.2km az=-1.0. Explosion.
(724) Baltic States-Belarus-Northwestern Russia
HEL II 24 20 10 23.6–.60 67.95N 32.84E 0 1.2L
¶615766068
HEL Event type kh. Error ellipse: s-maj=6.4km s-min=9.8km az=-1.0. Explosion.
(536) Sweden
HEL II 24 20 47 40.8–.60 67.30N 20.58E 0 1.0L
¶616228568
HEL Event type kh. Error ellipse: s-maj=2.0km s-min=10.4km az=-1.0. Explosion.
(536) Sweden
UPP II 24 20 48 13.9–.40 67.83N 20.20E 1–5 2.5L
¶611909626
UPP Event type ki. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Confirmed Induced event.
(23) British Columbia
ISC II 24 21 15 17.6–1.2 49.82N–.07 114.70W–.06 0 15 1-13
IDC II 24 21 15 18.6–9.6 49.97N 114.50W 0 3.3L,3.2 **¶610241713**
PGC II 24 21 15 20.3 49.91N 114.83W 0 2.6L,3.2
ISC Event type km.
IDC Error ellipse: s-maj=132.0km s-min=54.8km az=47.0.
PGC Event type km. 81km Ene of Cranbrook, Bc British Columbia, Canada Mining explosion.
(23) British Columbia
ISC II 24 23 28 38.4–1.0 49.82N–.10 114.7W–.10 0 9 1-13
PGC II 24 23 28 39.7–.43 49.72N 114.87W 0 2.7L **¶610242050**
IDC II 24 23 28 43.0–6.8 49.87N 114.14W 0 2.9,2.9L
ISC Event type km.
PGC Event type km. 69km Ene of Cranbrook, Bc British Columbia, Canada Mining explosion.
IDC Error ellipse: s-maj=100.8km s-min=46.7km az=63.0.
(536) Sweden
UPP II 25 00 28 32.9–.00 67.83N 20.20E 0 2.5L
HEL II 25 00 28 33.4–.10 67.83N 20.18E 0 1.2L **¶611909629**
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
HEL Event type kh. Error ellipse: s-maj=0.5km s-min=2.3km az=-1.0. Explosion.
(548) Poland
ISC II 25 05 01 38.2–.61 51.55N–.03 16.09E–.02 0 93 1-60
IPEC II 25 05 01 38.0–.24 51.55N 16.18E 0 2.6L **¶610274428**
DNK II 25 05 01 38.0–1.4 51.53N 16.09E 0–121 1.9L
IDC II 25 05 01 40.1–.61 51.47N 15.91E 0 3.3,3.1b
PRU II 25 05 01 40.1–.00 51.47N 16.06E 0 3.3,3.1b
VIE II 25 05 01 41.3 51.35N 15.97E 0 2.8L,2.7b
ISC Event type sr.
IPEC Event type ki. Error ellipse: s-maj=2.0km s-min=1.1km az=37.0.
DNK Error ellipse: s-maj=97.5km s-min=67.2km az=-1.0.
IDC Error ellipse: s-maj=13.2km s-min=6.2km az=100.0.
PRU Event type ki.
VIE Event type sr. 77 km WNW of Wroclaw . Suspected Mining induced.
(326) Southwestern Siberia
ISC II 25 05 15 43.2–1.7 53.8N–.10 90.99E–.08 0 17 4-12
IDC II 25 05 15 44.6–2.3 53.71N 91.04E 0 3.4,2.8L **¶610384979**
NNC II 25 05 15 46.8–3.2 53.72N 90.62E 0 3.8b,3.5
ISC Event type sm.
IDC Error ellipse: s-maj=21.4km s-min=16.9km az=27.0.
NNC Event type sm. Error ellipse: s-maj=24.5km s-min=18.6km az=48.0. Suspected Mining explosion.
(721) Finland
ISC II 25 12 31 01.3–.78 63.86N–.03 28.08E–.03 0 46 1-8
HEL II 25 12 31 01.9–.10 63.98N 28.08E 0 1.6L **¶610384999**
IDC II 25 12 31 02.6–1.6 63.85N 28.77E 0 3.0,2.0L
ISC Event type kh.
HEL Event type kh. Error ellipse: s-maj=1.0km s-min=1.9km az=-1.0. Explosion.
IDC Error ellipse: s-maj=23.5km s-min=10.1km az=101.0.
(460) Wyoming
ISC II 25 19 02 34.5–.62 43.78N–.03 105.28W–.04 0 3.8b 99 1-90
IDC II 25 19 02 34.3–.92 43.86N 105.56W 0 3.8b,3.6 **¶610385019**
NEIC II 25 19 02 34.8–1.0 43.79N–.04 105.31W–.08 0–2 3.3L,3.6
ANF II 25 19 02 34.7–.23 43.80N 105.34W 0 3.6L,3.6
ISC Event type sm.
IDC Error ellipse: s-maj=23.7km s-min=8.4km az=146.0.
NEIC Event type sm. Error ellipse: s-maj=10.0km s-min=7.0km az=112.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ANF Error ellipse: s-maj=3.0km s-min=2.0km az=114.0.
(24) Alberta
ISC II 25 20 32 10.6–.80 50.26N–.04 114.92W–.05 0 25 1-12
IDC II 25 20 32 08.7–6.6 49.97N 115.22W 0 3.6,3.6L **¶610242055**
PGC II 25 20 32 13.6–.80 50.12N 115.00W 0 3.3L,3.6L
ISC Event type km.
IDC Error ellipse: s-maj=81.4km s-min=46.2km az=52.0.
PGC Event type km. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 88km northeast of Cranbrook, Bc British Columbia, Canada Mining explosion.
(460) Wyoming
ISC II 25 21 24 03.9–1.0 43.77N–.06 105.31W–.07 0 49 1-20
IDC II 25 21 24 03.6–1.5 43.72N 105.46W 0 3.3,2.9L **¶610385023**
NEIC II 25 21 24 04.7–.94 43.74N–.05 105.29W–.05 0–2 3.5L,2.9L
ISC Event type sm.
NEIC Event type sm. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(460) Wyoming
ISC II 25 21 31 32.3–1.1 43.73N–.05 105.35W–.05 0 29 1-11
NEIC II 25 21 31 33.1–1.8 43.74N–.05 105.37W–.06 0–1 3.0L **¶610385024**
IDC II 25 21 31 33.9–1.5 44.31N 105.98W 0 3.3,3.1L
ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=9.4km s-min=5.3km az=323.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=60.5km s-min=10.1km az=144.0.
(723) Finland-Karelia border region
ISC II 26 11 04 25.3–1.3 60.97N–.05 28.97E–.06 0 37 0-9
UPP II 26 11 04 24.4–3.1 60.80N 29.30E 0 1.6L **¶610385056**
HEL II 26 11 04 25.0–.30 60.97N 29.03E 0 1.9L
IDC II 26 11 04 26.2–2.3 60.92N 28.89E 0 3.1,2.0L
ISC Event type kh.
UPP Error ellipse: s-maj=0.1km s-min=0.5km az=-1.0.
HEL Event type kh. Error ellipse: s-maj=1.6km s-min=4.5km az=-1.0. Explosion.
IDC Error ellipse: s-maj=21.0km s-min=13.9km az=179.0.
(724) Baltic States-Belarus-Northwestern Russia
ISC II 26 12 03 13.8–.96 67.72N–.04 34.08E–.04 0 48 0-7
HEL II 26 12 03 13.3–.10 67.64N 34.18E 0 1.7L **¶614403752**
KOLA II 26 12 03 13.5 67.65N 34.20E 0 2.0L
BER II 26 12 03 14.1–1.7 67.60N 34.38E 0 1.7L
IDC II 26 12 03 16.6–2.9 67.74N 33.66E 0 2.9,1.8L
ISC Event type kh.
HEL Event type kh. Error ellipse: s-maj=0.9km s-min=0.9km az=-1.0. Explosion.
KOLA Error ellipse: s-maj=7.5km s-min=2.2km az=140.0. Murmansk region, Kirovsk district .
BER Event type sh. Error ellipse: s-maj=12.8km s-min=28.8km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=37.2km s-min=14.0km az=62.0.
(326) Southwestern Siberia
NNC II 27 04 55 58.6–1.9 54.52N 86.22E 0 3.1b,3.0
IDC II 27 04 55 56.3–2.8 54.58N 86.53E 0 3.6,3.3L **¶610385094**
NNC Event type sm. Error ellipse: s-maj=33.5km s-min=9.9km az=150.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=22.0km s-min=14.6km az=49.0.
(329) Eastern Kazakhstan
ISC II 27 07 29 58.5–.84 50.06N–.05 78.72E–.06 0 34 1-9
NNC II 27 07 29 57.2–.46 49.99N 78.71E 0 3.0b,2.7 **¶610385104**
IDC II 27 07 29 59.0–.84 50.03N 78.69E 0 2.8,2.3L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=6.6km s-min=2.4km az=81.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=13.7km s-min=5.8km az=62.0.
(326) Southwestern Siberia
NNC II 27 07 39 43.1–1.5 54.41N 86.03E 0 3.5b,2.4
IDC II 27 07 39 44.8–2.5 54.31N 85.97E 0 3.1,2.8L **¶610385105**
NNC Event type sm. Error ellipse: s-maj=26.0km s-min=7.6km az=152.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=17.8km s-min=10.2km az=54.0.
(326) Southwestern Siberia
ISC II 27 08 25 37.8–4.2 54.3N–.20 85.9E–.20 0 11 1-8
NNC II 27 08 25 32.6–2.1 54.46N 86.20E 0 3.5b,2.7 **¶610385109**
IDC II 27 08 25 36.8–2.4 54.23N 86.02E 0 3.0,2.7L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=35.0km s-min=10.7km az=153.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=17.5km s-min=11.9km az=48.0.
(326) Southwestern Siberia
ISC II 27 08 33 43.5–4.0 54.2N–.20 86.4E–.20 0 10 1-8
NNC II 27 08 33 42.8–1.7 54.30N 86.40E 0 3.4b,2.6 **¶610385110**
IDC II 27 08 33 43.8–2.5 54.15N 86.44E 0 3.0,2.8L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=22.7km s-min=8.3km az=168.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=20.0km s-min=12.1km az=58.0.
(326) Southwestern Siberia
ISC II 27 09 23 16.6–4.0 53.8N–.10 87.2E–.20 0 10 1-8
IDC II 27 09 23 18.2–2.5 53.74N 87.12E 0 3.2,2.8L **¶610385113**
NNC II 27 09 23 19.1–2.2 53.75N 87.03E 0 2.9b,2.8
ISC Event type sm.
IDC Error ellipse: s-maj=21.6km s-min=14.3km az=69.0.
NNC Event type sm. Error ellipse: s-maj=18.8km s-min=9.4km az=37.0. Suspected Mining explosion.
(536) Sweden
ISC II 27 14 56 32.4–.79 67.82N–.02 20.26E–.02 0 51 0-5
HEL II 27 14 56 31.6–.20 67.77N 20.10E 0 1.7L **¶611909656**
UPP II 27 14 56 32.2–.00 67.82N 20.22E 0 2.7L
ISC Event type kh.
HEL Event type kh. Error ellipse: s-maj=0.8km s-min=3.0km az=-1.0. Explosion.
UPP Event type ki. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Confirmed Induced event.
(548) Poland
ISC II 27 17 06 38.2–.90 51.49N–.04 16.08E–.03 0 59 1-11
IPEC II 27 17 06 38.3–.25 51.48N 16.18E 1 2.1L **¶610243850**
IDC II 27 17 06 40.5–1.2 51.39N 16.03E 0 3.0,2.4L
PRU II 27 17 06 40.0–.00 51.43N 16.06E 0 3.0,2.4L
VIE II 27 17 06 40.7 51.37N 16.38E 0 2.6L,2.3b
ISC Event type sr.
IPEC Event type ki. Error ellipse: s-maj=2.1km s-min=1.0km az=39.0.
IDC Error ellipse: s-maj=18.1km s-min=10.5km az=126.0.
PRU Event type ki.
VIE Event type sr. 54 km NW of Wroclaw . Suspected Mining induced.
(536) Sweden
HEL II 27 19 36 17.3–.40 67.18N 20.62E 0 1.1L
¶615766167
HEL Event type kh. Error ellipse: s-maj=1.9km s-min=8.0km az=-1.0. Explosion.
(326) Southwestern Siberia
NNC II 27 19 54 33.6–2.4 54.32N 86.09E 0 3.6b,2.7
¶612086197
NNC Event type sm. Error ellipse: s-maj=38.3km s-min=11.9km az=160.0. Suspected Mining explosion.
(460) Wyoming
ISC II 27 20 00 20.1–.92 43.68N–.04 105.27W–.04 0 42 1-20
IDC II 27 20 00 19.0–2.1 43.63N 105.42W 0 3.1,2.1L **¶610385151**
NEIC II 27 20 00 20.3–2.8 43.69N–.04 105.27W–.05 0–2 3.1L,2.1L
ISC Event type sm.
NEIC Event type sm. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(460) Wyoming
ISC II 27 21 04 58.9–.99 43.64N–.06 105.09W–.07 0 57 1-20
IDC II 27 21 04 57.5–1.2 43.29N 105.07W 0 3.5L,3.1 **¶610385154**
NEIC II 27 21 05 00.3–2.5 43.59N–.04 105.19W–.06 0–2 3.4L,3.1
ISC Event type sm.
NEIC Event type sm. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(536) Sweden
HEL II 27 23 07 35.3–.30 67.18N 20.53E 0 1.1L
¶616228570
HEL Event type kh. Error ellipse: s-maj=1.1km s-min=4.9km az=-1.0. Explosion.
(326) Southwestern Siberia
ISC II 28 07 29 12.1–3.4 53.7N–.20 87.8E–.20 0 8 2-8
IDC II 28 07 29 11.7–3.1 53.63N 87.93E 0 3.0,2.7L **¶610385180**
NNC II 28 07 29 12.3–4.0 53.53N 87.86E 0 2.9b,2.5
ISC Event type sm.
IDC Error ellipse: s-maj=29.2km s-min=17.1km az=51.0.
NNC Event type sm. Error ellipse: s-maj=39.5km s-min=21.6km az=40.0. Suspected Mining explosion.
(329) Eastern Kazakhstan
ISC II 28 07 39 38.5–.80 50.13N–.04 78.91E–.05 0 38 1-8
NNC II 28 07 39 38.5–.65 50.15N 79.11E 0 3.5b,3.2 **¶610385182**
IDC II 28 07 39 39.0–.86 50.03N 78.71E 0 2.9,2.3L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=12.4km s-min=3.5km az=59.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=9.5km s-min=6.2km az=54.0.
(326) Southwestern Siberia
ISC II 28 08 25 15.0–4.6 53.4N–.10 87.0E–.30 0 7 1-7
IDC II 28 08 25 11.0–3.1 53.48N 87.54E 0 2.6,2.2L **¶610385185**
NNC II 28 08 25 16.2–.87 53.28N 86.94E 0 2.3b,2.2
ISC Event type sm.
IDC Error ellipse: s-maj=27.6km s-min=15.8km az=60.0.
NNC Event type sm. Error ellipse: s-maj=8.9km s-min=3.5km az=61.0. Suspected Mining explosion.
(326) Southwestern Siberia
ISC II 28 08 29 42.2–3.8 54.1N–.20 86.9E–.20 0 9 1-10
NNC II 28 08 29 22.3–1.5 55.43N 86.82E 0 3.1b,2.7 **¶610385186**

IDC II 28 08 29 35.1–3.4 54.31N 87.57E 0 2.9,2.5L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=12.9km s-min=10.6km az=142.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=30.0km s-min=21.3km az=47.0.
(326) Southwestern Siberia
ISC II 28 08 35 02.0–3.7 54.4N–.20 83.88E–.07 0 10 1-8
IDC II 28 08 34 58.4–2.6 54.15N 86.52E 0 3.0,2.7L **¶610385187**
NNC II 28 08 34 59.3–2.3 54.14N 86.38E 0 3.5b,2.7
ISC Event type sm.
IDC Error ellipse: s-maj=20.9km s-min=12.2km az=61.0.
NNC Event type sm. Error ellipse: s-maj=22.6km s-min=13.5km az=14.0. Suspected Mining explosion.
(723) Finland-Karelia border region
ISC II 28 09 59 56.7–1.1 64.72N–.03 30.95E–.06 0 61 1-10
UPP II 28 09 59 55.2–3.0 64.41N 31.00E 0 1.8L **¶610385190**
HEL II 28 09 59 56.8–.20 64.68N 30.90E 0 1.9L
IDC II 28 09 59 57.9–3.0 64.59N 30.78E 0 2.8,1.8L
ISC Event type kh.
UPP Error ellipse: s-maj=0.1km s-min=0.5km az=-1.0.
HEL Event type kh. Error ellipse: s-maj=0.9km s-min=4.2km az=-1.0. Explosion.
IDC Error ellipse: s-maj=43.8km s-min=9.9km az=105.0.
(724) Baltic States-Belarus-Northwestern Russia
HEL II 28 10 12 40.9–.60 60.94N 29.06E 0 1.3L
¶615766197
HEL Event type kh. Error ellipse: s-maj=2.6km s-min=8.4km az=-1.0. Explosion.
(366) Turkey
ISK II 28 10 22 26.6 36.19N 33.37E 0–0 2.0L
DDA II 28 10 22 26.9–.00 36.19N 33.34E 3–2 1.6L **¶610918420**
ISK Event type sm. Suspected Mining explosion.
(366) Turkey
ISK II 28 10 22 28.9 38.06N 32.72E 0–0 1.5L
¶610918423
ISK Event type sm. Suspected Mining explosion.
(713) Central Kazakhstan
NNC II 28 11 40 21.7–1.2 43.67N 69.72E 0 3.7b,3.0
SOME II 28 11 40 20.7 43.55N 69.67E 3.7b,3.0 **¶612086280**
NNC Event type sm. Error ellipse: s-maj=7.0km s-min=3.6km az=128.0. Suspected Mining explosion.
SOME Event type kx.
(721) Finland
HEL II 28 13 05 39.4–.10 61.86N 22.81E 0 1.3L
¶615766209
HEL Event type kh. Error ellipse: s-maj=0.6km s-min=1.4km az=-1.0. Explosion.
(548) Poland
PRU II 28 17 51 06.0–.00 50.19N 18.60E 0
¶616200958
PRU Event type ki.
(460) Wyoming
ISC II 28 19 14 20.9–.97 44.40N–.05 105.44W–.05 0 26 1-19
IDC II 28 19 14 21.6–1.6 44.46N 105.80W 0 2.9,1.7L **¶610385223**
NEIC II 28 19 14 21.5–1.3 44.40N–.03 105.39W–.08 0–2 3.1L,1.7L
ISC Event type sm.
NEIC Event type sm. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(548) Poland
PRU II 28 22 53 56.3–.00 50.29N 19.02E 0
¶611706451
PRU Event type ki.
(23) British Columbia
ISC II 28 23 25 33.6–.86 49.67N–.06 114.81W–.04 0 13 1-13
IDC II 28 23 25 34.0–1.4 49.51N 114.48W 0 3.1L,2.8 **¶610244515**
PGC II 28 23 25 37.4–.07 49.77N 114.78W 0 2.7L,2.8
ISC Event type km.
IDC Error ellipse: s-maj=18.3km s-min=10.0km az=142.0.
PGC Event type km. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 77km Ene of Cranbrook, Bc British Columbia, Canada Mining explosion.
(326) Southwestern Siberia
ISC III 01 08 10 43.4–4.1 54.3N–.20 86.8E–.20 0 14 1-10
NNC III 01 08 10 42.0–3.6 54.29N 87.01E 0 3.5b,2.6 **¶610545304**
IDC III 01 08 10 42.8–2.6 54.27N 87.00E 0 2.9,2.5L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=29.8km s-min=19.8km az=10.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=22.9km s-min=14.7km az=68.0.
(326) Southwestern Siberia
ISC III 01 08 35 18.9–3.2 53.6N–.10 87.6E–.20 0 13 2-8
IDC III 01 08 35 20.2–2.8 53.52N 87.58E 0 2.9,2.4L **¶610545305**
NNC III 01 08 35 20.7–2.3 53.46N 87.48E 0 3.1b,2.8
ISC Event type sm.
IDC Error ellipse: s-maj=22.9km s-min=14.2km az=66.0.
NNC Event type sm. Error ellipse: s-maj=17.0km s-min=10.2km az=65.0. Suspected Mining explosion.
(713) Central Kazakhstan
ISC III 01 08 47 17.2–1.2 50.29N–.06 73.27E–.06 0 11 2-8
NNC III 01 08 47 16.6–.72 50.31N 73.38E 0 3.4b,3.1 **¶610545308**
IDC III 01 08 47 22.6–1.6 50.25N 73.75E 0 2.8,2.1L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=7.3km s-min=5.6km az=137.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=24.3km s-min=8.9km az=26.0.
(543) Germany
VIE III 01 09 13 05.7 47.07N 9.52E 0 2.2b,1.4L
¶611399882
VIE Event type sm. 6 km ENE of Sargans . Suspected Mining explosion.
(326) Southwestern Siberia
ISC III 01 09 32 43.0–3.8 54.0N–.20 86.6E–.20 0 15 1-10
IDC III 01 09 32 43.5–2.2 53.92N 86.55E 0 3.1,2.7L **¶610545311**
NNC III 01 09 32 44.7–4.4 53.93N 86.56E 0 2.9b,2.7
ISC Event type sm.
IDC Error ellipse: s-maj=17.9km s-min=10.7km az=66.0.
NNC Event type sm. Error ellipse: s-maj=32.8km s-min=18.2km az=40.0. Suspected Mining explosion.
(548) Poland
ISC III 01 11 23 07.7–.86 50.26N–.04 18.82E–.03 0 39 1-4
VIE III 01 11 23 08.3 50.26N 18.73E 0 2.5b,2.4L **¶610246723**
PRU III 01 11 23 09.1–.00 50.22N 18.68E 0 2.5b,2.4L
ISC Event type sr.
VIE Event type sr. 18 km W of Katowice . Suspected Mining induced.
PRU Event type ki.
(721) Finland
ISC III 01 12 28 09.8–.79 64.00N–.03 28.12E–.03 0 89 1-9
UPP III 01 12 28 09.9–2.3 63.82N 27.97E 0 2.0L **¶615316953**
HEL III 01 12 28 09.3–.20 64.12N 28.26E 0 2.3L
IDC III 01 12 28 11.1–1.3 63.90N 28.54E 0 3.0,2.4L
BER III 01 12 28 14.9–1.6 64.02N 27.96E 0 1.9L,2.4L
ISC Event type kh.
UPP Error ellipse: s-maj=0.1km s-min=0.4km az=-1.0.
HEL Event type kh. Error ellipse: s-maj=1.8km s-min=2.9km az=-1.0. Explosion.
IDC Error ellipse: s-maj=18.0km s-min=7.5km az=100.0.
BER Event type sh. Error ellipse: s-maj=5.6km s-min=18.5km az=-1.0. Suspected explosion.
(548) Poland
PRU III 01 15 17 15.9–.00 50.22N 18.60E 0
¶610246719
PRU Event type ki.
(535) Southern Norway
BER III 01 15 28 10.7–1.0 59.73N 10.85E 0 0.7L
¶616602514
BER Event type sh. Error ellipse: s-maj=1.8km s-min=9.5km az=-1.0. Suspected explosion.
(724) Baltic States-Belarus-Northwestern Russia
HEL III 01 15 30 38.9–.20 67.69N 33.99E 0 1.5L
¶615316954
HEL Event type kh. Error ellipse: s-maj=2.6km s-min=3.3km az=-1.0. Explosion.
(460) Wyoming
ISC III 01 21 02 54.2–.96 43.67N–.07 105.21W–.08 0 31 1-90
IDC III 01 21 02 53.9–2.2 43.71N 105.45W 0 3.8b,3.6 **¶610545348**
NEIC III 01 21 02 55.2–2.1 43.66N–.05 105.22W–.07 0–2 2.9L,3.6
ISC Event type sm.
NEIC Event type sm. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(548) Poland
ISC III 02 06 25 06.6–1.2 51.55N–.05 16.13E–.03 0 49 1-5
VIE III 02 06 25 06.5 51.52N 15.96E 0 2.5b,2.4L **¶610246746**
PRU III 02 06 25 07.5–.00 51.52N 16.07E 0 2.5b,2.4L
ISC Event type sr.
VIE Event type sr. 87 km NW of Wroclaw . Suspected Mining induced.
PRU Event type ki.
(326) Southwestern Siberia
NNC III 02 07 05 16.3–4.0 54.24N 86.63E 0 4.2b,3.9
¶612086404
NNC Event type sm. Error ellipse: s-maj=32.4km s-min=25.4km az=77.0. Suspected Mining explosion.
(548) Poland
ISC III 02 10 53 39.3–.79 51.48N–.04 16.08E–.02 0 70 1-19
IDC III 02 10 53 40.6–.94 51.40N 16.27E 0 3.3,2.7L **¶610246743**
PRU III 02 10 53 41.6–.00 51.41N 16.05E 0 3.3,2.7L
VIE III 02 10 53 41.4 51.34N 15.84E 0 2.7L,2.6b
ISC Event type sr.
IDC Error ellipse: s-maj=18.7km s-min=8.4km az=107.0.
PRU Event type ki.
VIE Event type sr. 80 km NE of Liberec . Suspected Mining induced.
(329) Eastern Kazakhstan
ISC III 02 11 08 56.8–.94 50.05N–.04 78.55E–.06 0 29 1-6
NNC III 02 11 08 56.4–1.1 49.98N 78.63E 0 3.3b,3.1 **¶610545380**
IDC III 02 11 08 58.1–.97 50.07N 78.75E 0 2.9,2.5L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=8.5km s-min=5.8km az=95.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=13.8km s-min=6.0km az=66.0.
(536) Sweden
UPP III 02 14 52 01.0–.10 67.17N 20.64E 0 2.2L
¶611909698
UPP Event type ki. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Confirmed Induced event.
(535) Southern Norway
BER III 02 14 52 48.2–.89 60.85N 5.06E 0 0.8L
¶616602507
BER Event type sh. Error ellipse: s-maj=1.4km s-min=4.3km az=-1.0. Suspected explosion.
(464) Minnesota
ISC III 02 16 53 31.1–.91 47.61N–.03 91.92W–.03 0 76 0-9
NEIC III 02 16 53 31.6–2.0 47.63N–.02 91.96W–.05 0–2 3.2L,3.0 **¶611149139**
OTT III 02 16 53 32.4–.09 47.61N 91.93W 0 3.0,3.0
ISC Event type km.
NEIC Event type sm. Error ellipse: s-maj=5.9km s-min=3.0km az=114.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
OTT Event type km. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. Blast, Minnesota, U.S. 128km south from Atikokan, On Mining explosion.
(724) Baltic States-Belarus-Northwestern Russia
HEL III 02 20 05 37.3–.20 67.61N 33.32E 0 1.6L
¶615958793
HEL Event type kh. Error ellipse: s-maj=2.8km s-min=4.0km az=-1.0. Explosion.
(460) Wyoming
ISC III 02 21 19 58.9–.87 43.66N–.05 105.31W–.04 0 25 1-20
IDC III 02 21 19 55.9–1.9 43.15N 105.12W 0 3.4L,3.1 **¶610545409**
NEIC III 02 21 20 01.3–.94 43.65N–.06 105.31W–.08 0–2 3.3L,3.1
ISC Event type sm.
NEIC Event type sm. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(495) Eastern Arizona
ISC III 02 22 09 05.3–.89 36.49N–.03 110.33W–.03 0 39 1-9
NEIC III 02 22 09 08.1–1.6 36.37N–.03 110.36W–.03 0–2 2.9L **¶610545412**
IDC III 02 22 09 09.7–1.1 36.90N 109.70W 0 2.8L,2.6
ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=5.7km s-min=4.3km az=343.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=18.9km s-min=9.9km az=59.0.
(536) Sweden
UPP III 03 00 31 14.0–.00 67.83N 20.20E 0 1.9L
HEL III 03 00 31 17.6–.70 67.73N 20.91E 0 1.5L **¶611909702**
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
HEL Event type kh. Error ellipse: s-maj=2.3km s-min=15.5km az=-1.0. Explosion.
(329) Eastern Kazakhstan
ISC III 03 07 07 43.4–1.0 50.13N–.04 78.81E–.07 0 29 0-5
NNC III 03 07 07 42.9–.43 50.03N 78.81E 0 2.9b,2.4 **¶610545434**
IDC III 03 07 07 43.8–1.0 50.06N 78.80E 0 2.5,2.0L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=7.8km s-min=2.2km az=75.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=14.0km s-min=6.5km az=64.0.
(713) Central Kazakhstan
ISC III 03 07 26 52.1–2.2 43.33N–.08 69.92E–.08 0 45 0-4
NNC III 03 07 26 49.1–.58 43.42N 69.89E 0 3.1b,2.7 **¶612086501**
SOME III 03 07 26 49.1 43.45N 69.95E 5 3.1b,2.7
KRNET III 03 07 26 50.2–.10 43.40N 69.95E 2.9b,2.7
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=9.4km s-min=2.9km az=37.0. Suspected Mining explosion.
(326) Southwestern Siberia
ISC III 03 08 24 40.7–4.6 54.0N–.20 86.4E–.20 0 10 1-8
NNC III 03 08 24 37.2–1.9 54.12N 86.59E 0 2.9b,2.8 **¶610545438**
IDC III 03 08 24 40.0–2.4 54.11N 86.44E 0 3.1,2.9L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=21.3km s-min=8.7km az=6.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=19.8km s-min=11.7km az=61.0.
(366) Turkey
ISK III 03 08 58 40.8 38.70N 35.78E 0–0 1.7L
¶610919265
ISK Event type sm. Suspected Mining explosion.
(329) Eastern Kazakhstan
ISC III 03 09 13 56.6–.95 51.59N–.07 75.38E–.05 0 16 2-7
NNC III 03 09 13 55.3–.84 51.73N 75.45E 0 3.4b,3.1 **¶610545441**
IDC III 03 09 13 57.7–.93 51.66N 75.41E 0 2.8,2.3L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=15.2km s-min=5.2km az=25.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=21.6km s-min=7.5km az=29.0.
(326) Southwestern Siberia
ISC III 03 09 29 08.9–2.1 54.8N–.10 83.69E–.06 0 13 1-8
NNC III 03 09 29 10.8–3.2 54.77N 83.77E 0 3.1b,2.8 **¶610545444**
IDC III 03 09 29 12.5–1.5 54.65N 83.76E 0 3.1,2.6L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=28.8km s-min=10.5km az=23.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=14.2km s-min=9.3km az=9.0.
(723) Finland-Karelia border region
ISC III 03 10 00 31.9–1.2 64.78N–.03 30.57E–.05 0 64 1-10
IDC III 03 10 00 29.0–3.6 64.64N 31.76E 0 2.8,2.2L **¶610545448**
HEL III 03 10 00 30.7–.30 64.67N 30.59E 0 2.1L,2.2L
BER III 03 10 00 31.1–1.1 64.68N 31.38E 0 2.0L,2.2L
KOLA III 03 10 00 31.8 64.64N 31.02E 0 2.4L,2.2L

ISC Event type kh.
IDC Error ellipse: s-maj=55.9km s-min=13.2km az=98.0.
HEL Event type kh. Error ellipse: s-maj=1.4km s-min=6.6km az=-1.0. Explosion.
BER Event type sh. Error ellipse: s-maj=5.3km s-min=19.8km az=-1.0. Suspected explosion.
KOLA Error ellipse: s-maj=30.0km s-min=24.4km az=120.0. Kostomuksha, Karelia.
(329) Eastern Kazakhstan
ISC III 03 10 13 51.6–.94 51.41N–.06 75.63E–.05 0 19 2-6
IDC III 03 10 13 51.9–.97 51.40N 75.71E 0 2.8,2.2L ¶610545449
NNC III 03 10 13 51.0–.43 51.37N 75.54E 0 3.2b,2.8
ISC Event type sm.
IDC Error ellipse: s-maj=24.3km s-min=8.0km az=31.0.
NNC Event type sm. Error ellipse: s-maj=7.0km s-min=2.8km az=19.0. Suspected Mining explosion.
(724) Baltic States-Belarus-Northwestern Russia
HEL III 03 12 29 04.9–.40 60.93N 29.19E 0 1.5L ¶615958847
HEL Event type kh. Error ellipse: s-maj=2.4km s-min=5.7km az=-1.0. Explosion.
(548) Poland
ISC III 03 17 25 13.1–1.4 51.61N–.07 15.93E–.03 0 42 1-4
VIE III 03 17 25 14.8 51.51N 16.58E 0 2.6L,2.4b ¶611842889
PRU III 03 17 25 14.6–.00 51.58N 15.97E 0 2.6L,2.4b
ISC Event type sr.
VIE Event type sr. 55 km NNW of Wroclaw . Suspected Mining induced.
PRU Event type ki.
(721) Finland
HEL III 03 20 02 47.1–.20 65.85N 24.80E 0 0.9L ¶615958862
HEL Event type kh. Error ellipse: s-maj=1.2km s-min=4.7km az=-1.0. Explosion.
(460) Wyoming
ISC III 03 20 29 18.7–.96 43.64N–.05 105.30W–.05 0 60 1-83
IDC III 03 20 29 17.0–2.2 43.48N 105.30W 0 4.4b,4.0 ¶610545474
NEIC III 03 20 29 21.2–1.6 43.58N–.05 105.40W–.09 0–2 3.3L,4.0
ISC Event type sm.
NEIC Event type sm. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(548) Poland
PRU III 03 23 55 25.4–.00 50.28N 18.67E 0
IPEC III 03 23 55 25.0–.18 50.27N 18.74E 1 2.2L ¶610246770
PRU Event type ki.
IPEC Event type ki. Error ellipse: s-maj=2.2km s-min=1.1km az=166.0.
(724) Baltic States-Belarus-Northwestern Russia
HEL III 04 04 06 35.2–.30 67.69N 33.62E 0 1.1L ¶615958870
HEL Event type kh. Error ellipse: s-maj=3.9km s-min=6.5km az=-1.0. Explosion.
(329) Eastern Kazakhstan
ISC III 04 10 47 46.0–1.3 49.69N–.07 83.5E–.10 0 8 3-4
IDC III 04 10 47 44.3–1.9 49.63N 83.96E 0 2.4,2.0L ¶610545519
NNC III 04 10 47 48.6–2.5 49.53N 83.20E 0 2.9b,2.6
ISC Event type sm.
IDC Error ellipse: s-maj=64.1km s-min=12.9km az=104.0.
NNC Event type sm. Error ellipse: s-maj=28.0km s-min=8.3km az=59.0. Suspected Mining explosion.
(329) Eastern Kazakhstan
ISC III 04 11 29 10.1–.86 49.98N–.05 78.68E–.06 0 34 1-8
NNC III 04 11 29 09.9–.36 50.03N 78.80E 0 2.9b,2.5 ¶610545520
IDC III 04 11 29 11.0–.87 50.08N 78.80E 0 2.7,2.1L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=6.6km s-min=1.8km az=73.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=15.0km s-min=6.1km az=61.0.
(548) Poland
ISC III 04 16 46 07.7–.44 51.61N–.02 16.12E–.02 0 3.8b 299 1-125
LDG III 04 16 46 07.9–.14 51.57N 16.22E 1 4.3L ¶610245295
DNK III 04 16 46 08.9–1.9 51.66N 16.01E 0 3.0L
MCSM III 04 16 46 09.4–1.5 52N–7.0 16E–12 5–3 3.9L
BNS III 04 16 46 09.3–.74 51.60N 16.08E 1 3.8L
IPEC III 04 16 46 09.0–.22 51.60N 16.21E 1 3.1L
BGR III 04 16 46 10.6–.23 51.53N 16.12E 1 3.7L
IDC III 04 16 46 10.4–1.1 51.53N 16.03E 12–8 3.7,3.6b
UPP III 04 16 46 11.8–2.7 51.76N 15.55E 0 2.9L,3.6b
VIE III 04 16 46 12.9 51.34N 15.92E 0 3.8s,3.4L
PRU III 04 16 46 12.3–.00 51.47N 16.08E 0 3.8s,3.4L
ISC Event type sr.
LDG Event type sr. Error ellipse: s-maj=3.4km s-min=1.9km az=13.0. Suspected Mining induced.
DNK Event type sh. Error ellipse: s-maj=10.2km s-min=27.5km az=-1.0. Suspected explosion.
BNS Event type ki.
IPEC Event type ki. Error ellipse: s-maj=1.6km s-min=1.0km az=33.0.
BGR Event type ki. Error ellipse: s-maj=3.3km s-min=2.2km az=22.0.
IDC Error ellipse: s-maj=9.7km s-min=6.0km az=95.0.
UPP Error ellipse: s-maj=0.2km s-min=0.3km az=-1.0.
VIE Event type sr. 81 km WNW of Wroclaw . Suspected Mining induced.
PRU Event type ki.
(536) Sweden
HEL III 04 23 02 10.3–.10 67.17N 20.66E 0 1.1L ¶616602531
HEL Event type kh. Error ellipse: s-maj=0.4km s-min=0.8km az=-1.0. Explosion.
(536) Sweden
HEL III 05 00 17 03.0–.40 67.87N 20.06E 0 1.0L ¶616602533
HEL Event type kh. Error ellipse: s-maj=1.6km s-min=7.2km az=-1.0. Explosion.
(460) Wyoming
ISC III 05 20 55 10.1–1.1 43.77N–.06 105.27W–.06 0 21 1-90
NEIC III 05 20 55 08.9–3.0 43.80N–.06 105.16W–.03 0–2 3.3L ¶610545609
IDC III 05 20 55 11.0–1.9 43.80N 105.69W 0 3.6b,3.4
ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=10.8km s-min=3.1km az=346.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=54.1km s-min=10.3km az=149.0.
(326) Southwestern Siberia
ISC III 06 06 23 13.2–3.5 53.7N–.10 91.1E–.20 0 14 4-16
NNC III 06 06 23 15.4–4.0 53.22N 91.43E 0 3.9b,3.6 ¶610545627
IDC III 06 06 23 17.2–3.0 53.51N 90.84E 0 3.6,3.0L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=30.6km s-min=18.9km az=78.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=28.9km s-min=22.6km az=45.0.
(329) Eastern Kazakhstan
ISC III 06 07 15 46.9–.84 50.15N–.05 79.35E–.07 0 32 1-6
NNC III 06 07 15 52.7–1.1 50.12N 78.07E 0 3.4b,3.2 ¶610545634
IDC III 06 07 15 52.6–.81 50.06N 78.86E 0 3.0,2.5L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=15.2km s-min=4.9km az=106.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=10.9km s-min=5.8km az=56.0.
(546) Austria
VIE III 06 08 50 13.7 47.54N 14.89E 0 2.1b,1.5L ¶611400003
VIE Event type km. 0 km SE of Eisenerz . Mining explosion.
(713) Central Kazakhstan
ISC III 06 10 22 25.2–1.0 51.7N–.10 75.14E–.09 0 9 2-7
NNC III 06 10 22 22.9–3.0 50.98N 74.79E 0 3.2b,2.9 ¶610545651
IDC III 06 10 22 25.5–1.1 51.70N 75.29E 0 2.8,2.0L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=53.8km s-min=15.1km az=20.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=24.3km s-min=7.9km az=29.0.
(329) Eastern Kazakhstan
ISC III 06 12 07 04.9–.87 50.11N–.04 78.72E–.08 0 28 0-6
NNC III 06 12 07 02.7–2.0 50.16N 77.77E 0 3.2b,2.6 ¶610545658
IDC III 06 12 07 05.2–.86 50.09N 78.75E 0 2.7,2.4L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=20.9km s-min=7.2km az=112.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=10.1km s-min=6.2km az=56.0.
(724) Baltic States-Belarus-Northwestern Russia
ISC III 06 12 44 13.7–.91 59.22N–.03 27.77E–.04 0 46 0-31
EST III 06 12 44 14.8–.10 59.23N 27.76E 0 1.6L ¶610545660
LVSN III 06 12 44 15.0–3.3 59.22N 27.94E 0–48 1.9L
IDC III 06 12 45 04.2–519 57.73N 29.77E 0 1.9L
ISC Event type kh.
EST Event type kh. Error ellipse: s-maj=0.3km s-min=0.4km az=-1.0. Explosion.
LVSN Error ellipse: s-maj=19.1km s-min=102.6km az=-1.0.
IDC Error ellipse: s-maj=199.5km s-min=112.2km az=97.0.
(548) Poland
PRU III 06 18 36 07.5–.00 49.95N 19.15E 0 ¶610305228
PRU Event type ki.
(548) Poland
ISC III 06 18 52 30.7–.70 51.52N–.03 16.07E–.02 0 92 1-60
DNK III 06 18 52 30.0–1.9 51.38N 16.17E 22–130 3.0L ¶610305229
IPEC III 06 18 52 31.5–.24 51.46N 16.14E 1 2.6L
IDC III 06 18 52 32.5–.79 51.45N 15.94E 0 3.4,3.2b
PRU III 06 18 52 32.7–.00 51.43N 16.05E 0 3.4,3.2b
VIE III 06 18 52 34.3 51.28N 15.97E 0 2.8b,2.7L
ISC Event type sr.
DNK Error ellipse: s-maj=80.1km s-min=79.5km az=-1.0.
IPEC Event type ki. Error ellipse: s-maj=2.0km s-min=1.1km az=36.0.
IDC Error ellipse: s-maj=14.3km s-min=8.0km az=108.0.
PRU Event type ki.
VIE Event type sr. 75 km WNW of Wroclaw . Suspected Mining induced.
(724) Baltic States-Belarus-Northwestern Russia
HEL III 06 19 56 57.3–.10 67.64N 33.76E 0 1.6L
KOLA III 06 19 56 57.3 67.65N 33.75E 0 1.8L ¶615190873
BER III 06 19 56 58.6–1.4 67.55N 33.65E 0 1.8L
HEL Event type kh. Error ellipse: s-maj=1.7km s-min=3.2km az=-1.0. Explosion.
KOLA Error ellipse: s-maj=6.1km s-min=2.7km az=150.0. Khibiny, mines Kirovsk, Yukspor.
BER Event type sh. Error ellipse: s-maj=10.3km s-min=23.5km az=-1.0. Suspected explosion.
(548) Poland
PRU III 07 02 21 15.3–.00 50.19N 18.55E 0
IPEC III 07 02 21 14.8–.18 50.19N 18.63E 1 1.5L ¶611842966
PRU Event type ki.
IPEC Event type ki. Error ellipse: s-maj=2.1km s-min=1.1km az=163.0.
(326) Southwestern Siberia
ISC III 07 05 13 06.5–3.9 53.8N–.10 90.6E–.20 0 15 3-12
NNC III 07 05 13 04.9–2.6 53.88N 90.67E 0 3.8b,3.5 ¶610545701
IDC III 07 05 13 06.5–2.9 53.61N 90.77E 0 3.2,2.7L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=19.2km s-min=14.2km az=51.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=26.2km s-min=20.7km az=70.0.
(326) Southwestern Siberia
ISC III 07 06 55 30.1–1.2 51.46N–.08 81.91E–.06 0 9 2-5
NNC III 07 06 55 29.7–7.7 51.41N 82.22E 0 2.7b,2.3 ¶610545708
IDC III 07 06 55 30.5–1.5 51.46N 81.72E 0 2.0,1.8L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=80.6km s-min=38.7km az=13.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=15.8km s-min=12.4km az=149.0.
(329) Eastern Kazakhstan
ISC III 07 07 43 46.4–1.0 50.16N–.04 78.89E–.06 0 34 0-8
NNC III 07 07 43 46.0–.37 50.02N 78.75E 0 3.3b,2.9 ¶610545713
IDC III 07 07 43 47.0–1.1 50.05N 78.75E 0 2.9,2.2L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=5.3km s-min=1.9km az=81.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=17.1km s-min=6.4km az=67.0.
(329) Eastern Kazakhstan
ISC III 07 08 27 11.5–1.3 49.68N–.07 81.51E–.08 0 10 2-5
IDC III 07 08 27 10.7–1.5 49.65N 81.45E 0 2.3,1.8L ¶610545715
NNC III 07 08 27 12.0–2.9 49.72N 81.61E 0 3.0b,2.6
ISC Event type sm.
IDC Error ellipse: s-maj=24.0km s-min=8.0km az=54.0.
NNC Event type sm. Error ellipse: s-maj=46.1km s-min=8.1km az=50.0. Suspected Mining explosion.
(329) Eastern Kazakhstan
ISC III 07 08 41 24.8–.96 51.57N–.07 75.39E–.04 0 15 2-7
NNC III 07 08 41 24.4–1.2 51.70N 75.36E 0 3.2b,2.8 ¶610545718
IDC III 07 08 41 25.3–.99 51.58N 75.38E 0 2.7,2.2L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=21.8km s-min=8.0km az=22.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=22.8km s-min=8.4km az=31.0.
(366) Turkey
ISK III 07 09 03 00.6 36.14N 33.53E 0–0 1.7L ¶610919737
ISK Event type sm. Suspected Mining explosion.
(326) Southwestern Siberia
ISC III 07 09 32 46.5–4.5 54.0N–.20 86.2E–.20 0 12 1-8
NNC III 07 09 32 40.9–2.0 54.15N 86.66E 0 3.2b,3.0 ¶610545722
IDC III 07 09 32 44.9–2.1 54.00N 86.37E 0 3.5,3.2L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=18.9km s-min=9.2km az=10.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=17.2km s-min=10.6km az=64.0.
(723) Finland-Karelia border region
ISC III 07 10 00 12.6–1.0 64.80N–.03 30.93E–.06 0 38 1-10
IDC III 07 10 00 13.6–2.9 64.64N 30.92E 0 2.7,1.6L ¶610545726
HEL III 07 10 00 14.1–.30 64.76N 30.24E 0 1.8L,1.6L
BER III 07 10 00 14.5–.94 64.83N 31.73E 0 1.7L,1.6L
KOLA III 07 10 00 15.6 64.80N 30.90E 0 2.1L,1.6L
ISC Event type kh.
IDC Error ellipse: s-maj=44.0km s-min=10.4km az=102.0.
HEL Event type kh. Error ellipse: s-maj=1.7km s-min=11.7km az=-1.0. Explosion.
BER Event type sh. Error ellipse: s-maj=13.5km s-min=27.8km az=-1.0. Suspected explosion.
KOLA Error ellipse: s-maj=27.3km s-min=20.9km az=150.0. Kostomuksha, Karelia.
(721) Finland
HEL III 07 11 13 16.0–.10 61.41N 23.38E 0 1.0L ¶615958989
HEL Event type kh. Error ellipse: s-maj=0.9km s-min=1.2km az=-1.0. Explosion.
(336) Western Kazakhstan
ISC III 07 11 47 53.9–1.1 52.4N–.10 62.88E–.07 0 11 4-22
IDC III 07 11 47 53.7–1.1 52.43N 62.85E 0 3.5b,3.0 ¶610545734
NNC III 07 11 47 53.1–1.8 52.41N 62.94E 0 2.9b,2.5
ISC Event type sm.
IDC Error ellipse: s-maj=32.4km s-min=8.9km az=160.0.
NNC Event type sm. Error ellipse: s-maj=36.1km s-min=5.7km az=153.0. Suspected Mining explosion.
(724) Baltic States-Belarus-Northwestern Russia
HEL III 07 12 12 42.9–.20 67.60N 33.79E 0 1.2L ¶615958996
HEL Event type kh. Error ellipse: s-maj=2.3km s-min=4.4km az=-1.0. Explosion.
(536) Sweden
ISC III 07 18 08 46.7–.72 67.07N–.02 20.99E–.02 0 81 0-8
UPP III 07 18 08 46.8–.10 67.04N 20.97E 0 2.7L ¶610545747
IDC III 07 18 08 47.7–.93 67.05N 21.09E 0 3.0,1.9L
HEL III 07 18 08 47.0–.40 67.05N 20.93E 0 2.2L,1.9L
BER III 07 18 08 49.5–1.7 66.99N 21.05E 0 1.7L,1.9L
ISC Event type kh.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=17.1km s-min=7.9km az=116.0.
HEL Event type kh. Error ellipse: s-maj=1.7km s-min=8.0km az=-1.0. Explosion.

BER Event type sh. Error ellipse: s-maj=7.0km s-min=13.3km az=-1.0. Suspected explosion.
(724) Baltic States-Belarus-Northwestern Russia
HEL III 08 04 14 01.2–.20 67.68N 33.71E 0 1.4L ¶615959021
HEL Event type kh. Error ellipse: s-maj=3.1km s-min=5.0km az=-1.0. Explosion.
(680) Western Kalaallit Nunaat
IDC III 08 08 06 07.5–2.5 76.50N 60.36W 0 3.5s,3.5L
DNK III 08 08 05 31.7–5.2 76.52N 58.09W 0 3.5s,3.5L ¶610545787
IDC Error ellipse: s-maj=70.9km s-min=27.9km az=158.0.
DNK Event type sh. Error ellipse: s-maj=31.6km s-min=94.8km az=-1.0. Presumed Glacial event.
(329) Eastern Kazakhstan
ISC III 08 11 22 58.4–.92 50.03N–.05 78.71E–.08 0 29 1-6
NNC III 08 11 22 57.2–.56 50.03N 78.74E 0 2.7b,2.4 ¶610545801
IDC III 08 11 22 58.5–.85 50.08N 78.79E 0 2.7,2.0L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=12.7km s-min=2.7km az=72.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=11.1km s-min=6.3km az=55.0.
(721) Finland
ISC III 08 11 43 20.9–.75 63.10N–.02 27.74E–.03 0 103 1-8
IDC III 08 11 43 21.9–1.4 63.05N 28.02E 0 3.0,2.4L ¶610545803
HEL III 08 11 43 21.6–.10 63.13N 27.82E 0 2.3L,2.4L
UPP III 08 11 43 23.8–2.5 63.19N 27.56E 0 2.1L,2.4L
BER III 08 11 43 23.6–2.0 63.07N 27.75E 0 2.3L,1.9L
ISC Event type kh.
IDC Error ellipse: s-maj=17.5km s-min=6.7km az=106.0.
HEL Event type kh. Error ellipse: s-maj=0.9km s-min=2.7km az=-1.0. Explosion.
UPP Error ellipse: s-maj=0.1km s-min=0.4km az=-1.0.
BER Event type sh. Error ellipse: s-maj=3.6km s-min=9.7km az=-1.0. Suspected explosion.
(536) Sweden
HEL III 08 12 24 48.9–.40 67.82N 20.24E 0 1.3L ¶615959040
HEL Event type kh. Error ellipse: s-maj=1.5km s-min=7.2km az=-1.0. Explosion.
(535) Southern Norway
BER III 08 13 10 04.3–1.6 60.24N 6.17E 0 1.0L ¶610545808
BER Event type sh. Error ellipse: s-maj=5.2km s-min=27.5km az=-1.0. Suspected explosion.
(329) Eastern Kazakhstan
ISC III 09 07 06 29.6–.78 49.97N–.03 78.67E–.04 0 40 1-7
NNC III 09 07 06 28.9–.28 50.01N 78.72E 0 3.3b,3.1 ¶610545861
IDC III 09 07 06 30.5–.82 50.08N 78.89E 0 2.7,2.1L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=4.7km s-min=1.5km az=79.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=13.5km s-min=5.8km az=57.0.
(326) Southwestern Siberia
ISC III 09 09 06 41.3–4.0 54.4N–.20 86.6E–.20 0 16 1-10
NNC III 09 09 06 38.8–2.1 54.40N 86.88E 0 3.2b,3.0 ¶610545867
IDC III 09 09 06 40.9–2.5 54.30N 86.84E 0 3.4,3.0L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=19.9km s-min=12.7km az=1.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=21.8km s-min=14.0km az=64.0.
(326) Southwestern Siberia
NNC III 09 09 49 53.2–1.0 54.39N 86.26E 0 3.3b,2.5
IDC III 09 09 49 56.7–2.5 54.26N 86.15E 0 3.3,3.0L ¶610545869
NNC Event type sm. Error ellipse: s-maj=13.5km s-min=6.2km az=161.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=19.7km s-min=11.8km az=52.0.
(329) Eastern Kazakhstan
ISC III 09 10 05 45.7–1.0 51.6N–.10 75.07E–.10 0 10 2-7
NNC III 09 10 05 45.3–.81 51.71N 75.47E 0 3.2b,2.8 ¶610545870
IDC III 09 10 05 48.8–.91 51.67N 75.41E 0 2.7,2.0L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=17.8km s-min=5.1km az=26.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=23.2km s-min=7.5km az=29.0.
(329) Eastern Kazakhstan
ISC III 09 10 17 41.4–1.2 52.59N–.08 76.68E–.07 0 7 2-7
NNC III 09 10 17 43.6–1.3 51.71N 75.42E 0 3.1b,2.6 ¶610545872
IDC III 09 10 17 48.3–1.1 51.53N 75.51E 0 2.5,1.6L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=21.5km s-min=7.9km az=22.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=25.7km s-min=8.9km az=30.0.
(724) Baltic States-Belarus-Northwestern Russia
HEL III 09 10 21 36.8–.40 67.72N 34.20E 0 1.8L
BER III 09 10 21 36.6–.92 67.57N 34.47E 0 1.7L ¶615190922
KOLA III 09 10 21 37.2 67.69N 34.22E 0 2.0L
HEL Event type kh. Error ellipse: s-maj=4.3km s-min=7.1km az=-1.0. Explosion.
BER Event type sh. Error ellipse: s-maj=6.5km s-min=18.2km az=-1.0. Suspected explosion.
KOLA Error ellipse: s-maj=7.0km s-min=2.2km az=140.0. Khibiny Mines.
(536) Sweden
HEL III 09 10 22 52.9–.30 67.83N 20.22E 0 1.3L ¶615959083
HEL Event type kh. Error ellipse: s-maj=1.7km s-min=7.6km az=-1.0. Explosion.
(549) Hungary
KRSZO III 09 10 57 58.6–1.1 47.10N 17.97E 0 1.4L ¶610323353
KRSZO Event type kx. Error ellipse: s-maj=6.1km s-min=4.0km az=91.0. Explosion.
(460) Wyoming
ISC III 10 00 01 21.1–.67 43.61N–.04 105.05W–.05 0 4.0b 40 1-90
IDC III 10 00 01 21.0–1.1 43.54N 105.37W 0 3.8b,3.7 ¶610545909
NEIC III 10 00 01 24.1–1.3 43.78N–.05 105.37W–.06 0–2 3.3L,3.7
ISC Event type sm.
NEIC Event type sm. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(326) Southwestern Siberia
ISC III 10 04 33 03.2–1.8 51.59N–.08 82.9E–.10 35 5 3-5
IDC III 10 04 32 58.8–2.0 51.54N 82.55E 0 2.5,2.0L ¶610545921
ISC Event type ke.
IDC Error ellipse: s-maj=19.4km s-min=17.3km az=9.0.
(326) Southwestern Siberia
ISC III 10 06 50 55.5–4.1 53.9N–.10 91.0E–.20 0 13 4-11
NNC III 10 06 50 53.2–3.4 53.94N 91.08E 0 3.6b,3.3 ¶610545929
IDC III 10 06 50 55.5–3.4 53.86N 91.07E 0 3.1,3.0L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=25.6km s-min=19.6km az=49.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=29.7km s-min=24.1km az=35.0.
(329) Eastern Kazakhstan
ISC III 10 07 08 21.4–.89 50.09N–.05 78.78E–.08 0 32 1-6
NNC III 10 07 08 20.8–.50 50.01N 78.67E 0 3.0b,2.7 ¶610545932
IDC III 10 07 08 22.2–.86 50.09N 78.89E 0 2.9,2.3L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=7.9km s-min=2.4km az=77.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=11.9km s-min=6.3km az=56.0.
(326) Southwestern Siberia
ISC III 10 08 32 03.1–1.7 54.28N–.09 86.9E–.10 0 15 1-62
NNC III 10 08 31 58.7–2.7 54.34N 87.45E 0 3.2b,2.9 ¶610545943
IDC III 10 08 32 03.0–1.6 54.19N 87.07E 0 3.1,2.9b
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=22.6km s-min=13.6km az=13.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=15.7km s-min=12.3km az=83.0.
(724) Baltic States-Belarus-Northwestern Russia
ISC III 10 10 11 25.2–1.4 60.92N–.05 29.20E–.07 0 18 1-19
IDC III 10 10 11 23.7–429 60.99N 29.68E 0 ¶610545950
HEL III 10 10 11 28.1–.30 60.95N 29.07E 0 1.7L
ISC Event type kh.
IDC Error ellipse: s-maj=160.7km s-min=104.7km az=139.0.
HEL Event type kh. Error ellipse: s-maj=1.9km s-min=5.0km az=-1.0. Explosion.
(326) Southwestern Siberia
ISC III 10 13 49 31.5–.73 53.40N–.02 87.49E–.02 0 51 0-7
ASRS III 10 13 49 31.1 53N–1.0 87E–1.0 1–0 3.4L ¶612086966
NNC III 10 13 49 33.2–2.0 53.33N 87.28E 0 4.2b,3.9
ISC Event type sm.
ASRS Event type ke. smi:org.gfz-potsdam.de/geofon/Hypo71. manual. confirmed.
NNC Event type sm. Error ellipse: s-maj=16.8km s-min=6.6km az=61.0. Suspected Mining explosion.
(547) Czech and Slovak Republics
ISC III 10 18 22 28.2–.79 49.79N–.03 18.51E–.02 0 46 0-4
VIE III 10 18 22 27.3 49.71N 18.61E 0 2.8b,2.2L ¶610472697
PRU III 10 18 22 28.7–.00 49.82N 18.48E 0 2.8b,2.2L
IPEC III 10 18 22 28.1–.17 49.82N 18.57E 0 2.1L,2.2L
ISC Event type sr.
VIE Event type sr. 29 km ESE of Ostrava . Suspected Mining induced.
PRU Event type ki. Mining Induced Event Csm, E=8.6e+04.
IPEC Event type ki. Error ellipse: s-maj=1.7km s-min=1.1km az=163.0.
(548) Poland
ISC III 10 19 50 27.7–1.2 51.52N–.05 16.05E–.03 0 47 1-4
IPEC III 10 19 50 27.4–.36 51.52N 16.16E 0–1 2.1L ¶611400113
PRU III 10 19 50 28.8–.00 51.47N 16.07E 0 2.1L
VIE III 10 19 50 29.7 51.35N 15.85E 0 2.6L,2.1b
ISC Event type sr.
IPEC Event type ki. Error ellipse: s-maj=2.6km s-min=1.2km az=31.0.
PRU Event type ki.
VIE Event type sr. 81 km NE of Liberec . Suspected Mining induced.
(547) Czech and Slovak Republics
ISC III 11 01 17 28.7–.79 49.79N–.03 18.54E–.02 0 43 0-3
VIE III 11 01 17 28.1 49.73N 18.57E 0 2.6b,2.0L ¶611400119
IPEC III 11 01 17 28.6–.16 49.83N 18.56E 0 1.7L,2.0L
PRU III 11 01 17 29.8–.00 49.80N 18.50E 0 1.7L,2.0L
ISC Event type sr.
VIE Event type sr. 26 km ESE of Ostrava . Suspected Mining induced.
IPEC Event type ki. Error ellipse: s-maj=1.7km s-min=1.1km az=163.0.
PRU Event type ki. Mining Induced Event Csm, E=5.4e+04.
(536) Sweden
ISC III 11 04 51 54.9–.88 67.18N–.02 20.72E–.03 0 29 0-3
UPP III 11 04 51 55.4–.00 67.17N 20.66E 0 2.5L ¶611909769
HEL III 11 04 51 55.9–.30 67.16N 20.59E 0 1.0L
ISC Event type kh.
UPP Event type ki. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Confirmed Induced event.
HEL Event type kh. Error ellipse: s-maj=1.3km s-min=6.5km az=-1.0. Explosion.
(329) Eastern Kazakhstan
ISC III 11 05 00 44.9–1.3 51.50N–.09 82.33E–.09 10 8 2-5
IDC III 11 05 00 43.9–1.9 51.42N 82.35E 0 2.4,1.8L ¶610545997
ISC Event type ke.
IDC Error ellipse: s-maj=42.1km s-min=12.4km az=106.0.
(326) Southwestern Siberia
NNC III 11 05 17 13.3–7.3 52.98N 91.38E 0 3.8b,3.4 ¶612087000
NNC Event type sm. Error ellipse: s-maj=56.3km s-min=45.7km az=104.0. Suspected Mining explosion.
(329) Eastern Kazakhstan
ISC III 11 07 17 25.4–1.1 50.39N–.06 79.85E–.05 0 25 1-6
NNC III 11 07 17 29.1–1.2 50.49N 77.41E 0 2.9 ¶610546005
IDC III 11 07 17 31.8–.97 50.04N 78.76E 0 2.8,2.2L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=31.3km s-min=6.4km az=166.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=12.0km s-min=6.8km az=61.0.
(548) Poland
ISC III 11 10 24 05.0–.57 51.67N–.03 15.96E–.02 0 207 1-60
IPEC III 11 10 24 06.8–.33 51.66N 16.07E 0–1 3.1L ¶610323414
MCSM III 11 10 24 07.1–.60 52N–3.0 16E–5.0 3–3 3.4L
LDG III 11 10 24 07.2–.27 51.58N 15.98E 1 3.8L
DNK III 11 10 24 07.9–2.0 51.75N 15.89E 0–54 2.2L
IDC III 11 10 24 07.4–.61 51.62N 15.85E 0 3.3,3.2b
BGR III 11 10 24 08.3–.45 51.61N 16.02E 1 3.3L,3.2b
PRU III 11 10 24 09.9–.00 51.53N 15.98E 0 3.3L,3.2b
VIE III 11 10 24 10.6 51.38N 15.83E 0 2.9L,2.8b
UPP III 11 10 24 12.4–2.8 51.97N 15.63E 0 2.6L,2.8b
ISC Event type sr.
IPEC Event type ki. Error ellipse: s-maj=2.3km s-min=1.2km az=29.0.
LDG Event type sr. Error ellipse: s-maj=6.7km s-min=2.3km az=16.0. Suspected Mining induced.
DNK Error ellipse: s-maj=47.9km s-min=30.9km az=-1.0.
IDC Error ellipse: s-maj=11.0km s-min=6.0km az=101.0.
BGR Event type ki. Error ellipse: s-maj=5.6km s-min=2.2km az=15.0.
PRU Event type ki.
VIE Event type sr. 83 km NE of Liberec . Suspected Mining induced.
UPP Error ellipse: s-maj=0.2km s-min=0.3km az=-1.0.
(713) Central Kazakhstan
ISC III 11 12 33 57.6–2.7 42.68N–.06 69.9E–.10 0 36 1-3
NNC III 11 12 33 58.7–.55 42.59N 70.10E 0 1.7 ¶612087029
KRNET III 11 12 33 59.8–.10 42.60N 70.09E 15 2.7b
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=9.9km s-min=2.9km az=119.0. Suspected Mining explosion.
(460) Wyoming
ISC III 11 17 59 41.3–1.1 43.98N–.07 105.19W–.07 0 66 1-9
IDC III 11 17 59 40.2–1.9 43.88N 105.30W 0 3.5,3.3L ¶610546028
NEIC III 11 17 59 41.5–1.9 43.97N–.05 105.22W–.04 0–2 3.1L,3.3L
ISC Event type sm.
NEIC Event type sm. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(460) Wyoming
ISC III 11 21 11 17.4–1.0 43.55N–.05 105.31W–.05 0 32 1-20
IDC III 11 21 11 15.4–2.2 43.29N 105.25W 0 3.4L,3.3 ¶610546035
NEIC III 11 21 11 18.3–1.1 43.55N–.05 105.29W–.05 0–1 3.3L,3.3
ISC Event type sm.
NEIC Event type sm. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(536) Sweden
ISC III 12 10 39 47.4–.88 67.15N–.03 20.65E–.03 0 29 0-3
DNK III 12 10 39 46.0–1.5 67.04N 20.64E 0 2.8L ¶611909775
UPP III 12 10 39 46.7–.10 67.17N 20.58E 0 2.8L
HEL III 12 10 39 48.8–.50 67.17N 20.67E 0 1.2L
ISC Event type kh.
DNK Event type sh. Error ellipse: s-maj=10.0km s-min=18.5km az=-1.0. Suspected explosion.
UPP Event type ki. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Confirmed Induced event.
HEL Event type kh. Error ellipse: s-maj=2.5km s-min=7.5km az=-1.0. Explosion.
(536) Sweden
ISC III 12 17 57 14.1–.81 67.78N–.03 20.26E–.02 0 42 0-3
HEL III 12 17 57 13.8–.30 67.83N 19.99E 0 1.1L ¶611909779
DNK III 12 17 57 14.8–.36 67.82N 20.22E 0 2.8L
UPP III 12 17 57 14.6–.30 67.82N 20.22E 3–5 2.8L
ISC Event type kh.
HEL Event type kh. Error ellipse: s-maj=1.3km s-min=4.3km az=-1.0. Explosion.
DNK Event type sh. Error ellipse: s-maj=0.8km s-min=2.1km az=-1.0. Suspected explosion.
UPP Event type ki. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Confirmed Induced event.
(460) Wyoming
ISC III 12 20 00 36.1–.61 43.83N–.03 105.27W–.04 0 4.2b 98 1-90
IDC III 12 20 00 35.1–.85 43.73N 105.30W 0 4.1b,3.7 ¶610546094
ANF III 12 20 00 36.7–.28 43.73N 105.30W 0 3.7L,3.7
NEIC III 12 20 00 37.1–1.4 43.78N–.05 105.29W–.05 0–1 3.4L,3.7
ISC Event type sm.
NEIC Event type sm. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(536) Sweden
ISC III 13 00 30 35.1–.81 67.79N–.02 20.38E–.03 0 43 0-4

UPP III 13 00 30 36.0–.00 67.82N 20.21E 0 2.5L ¶611909783
HEL III 13 00 30 36.7–.20 67.82N 20.23E 0 1.6L
ISC Event type kh.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
HEL Event type kh. Error ellipse: s-maj=0.9km s-min=4.4km az=-1.0. Explosion.

(548) Poland
ISC III 13 02 20 18.8–.60 51.52N–.03 16.14E–.02 0 154 1-60
DNK III 13 02 20 16.5–.80 51.21N 15.25E 0 1.5L ¶610330605
IPEC III 13 02 20 19.4–.24 51.51N 16.17E 1 2.7L
UPP III 13 02 20 19.6–3.1 51.36N 15.21E 0 1.5L
IDC III 13 02 20 20.9–.66 51.46N 15.97E 0 3.3b,3.2
BGR III 13 02 20 20.9–.43 51.45N 16.14E 1 3.0L,3.2
PRU III 13 02 20 21.3–.00 51.43N 16.10E 0 3.0L,3.2
VIE III 13 02 20 24.4 51.24N 15.86E 0 3.6s,2.8b
ISC Event type sr.
DNK Event type sh. Error ellipse: s-maj=19.2km s-min=93.9km az=-1.0. Suspected explosion.
IPEC Event type ki. Error ellipse: s-maj=2.0km s-min=1.1km az=37.0.
UPP Error ellipse: s-maj=0.2km s-min=0.4km az=-1.0.
IDC Error ellipse: s-maj=10.9km s-min=6.8km az=107.0.
BGR Event type ki. Error ellipse: s-maj=5.6km s-min=2.2km az=22.0.
PRU Event type ki.
VIE Event type sr. 73 km NE of Liberec . Suspected Mining induced.

(536) Sweden
HEL III 13 12 01 33.6–.40 67.16N 20.58E 0 1.1L ¶615959208
HEL Event type kh. Error ellipse: s-maj=1.6km s-min=6.9km az=-1.0. Explosion.

(536) Sweden
ISC III 13 12 19 15.9–.82 67.81N–.03 20.31E–.03 0 37 0-3
HEL III 13 12 19 16.2–.40 67.83N 20.07E 0 0.9L ¶611909786
DNK III 13 12 19 16.8–.53 67.83N 20.21E 0 2.9L
UPP III 13 12 19 16.5–.40 67.83N 20.20E 1–5 2.9L
ISC Event type kh.
HEL Event type kh. Error ellipse: s-maj=1.5km s-min=7.5km az=-1.0. Explosion.
DNK Event type sh. Error ellipse: s-maj=1.3km s-min=3.2km az=-1.0. Suspected explosion.
UPP Event type ki. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Confirmed Induced event.

(548) Poland
ISC III 13 13 56 46.2–1.3 51.46N–.06 16.03E–.03 0 44 1-4
VIE III 13 13 56 47.3 51.37N 16.36E 0 2.7L,2.0b ¶610330610
PRU III 13 13 56 47.3–.00 51.42N 16.03E 0 2.7L,2.0b
ISC Event type sr.
VIE Event type sr. 55 km NW of Wroclaw . Suspected Mining induced.
PRU Event type ki.

(544) Switzerland
STR III 13 14 27 33.5–1.8 46N–4.0 7E–16 0 1.3 ¶615535775
STR Event type sm. manual. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/alpes_taup-2.11. preliminary.

(456) Montana
ISC III 13 20 03 54.5–.94 45.06N–.04 106.77W–.07 0 24 2-9
IDC III 13 20 03 56.3–1.4 44.95N 106.72W 0 3.3,2.9L ¶610546159
NEIC III 13 20 03 58.3–2.9 45.11N–.03 106.86W–.07 0–2 2.9L,2.9L
ISC Event type sm.
NEIC Event type sm. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(326) Southwestern Siberia
NNC III 14 06 16 35.9–2.0 54.34N 86.78E 0 3.9b,3.7 ¶612087175
NNC Event type sm. Error ellipse: s-maj=19.0km s-min=10.7km az=179.0. Suspected Mining explosion.

(537) Baltic Sea
ISC III 14 10 21 20.5–.75 58.99N–.02 18.18E–.03 0 74 1-11
DNK III 14 10 21 21.6–.48 59.00N 18.21E 0 2.2L ¶610546196
HEL III 14 10 21 21.9–.30 59.00N 18.16E 0 1.8L
UPP III 14 10 21 21.2–.10 59.00N 18.21E 0 2.2L
BER III 14 10 21 22.5–1.6 59.01N 18.24E 0 2.2L,1.7L
IDC III 14 10 21 23.3–2.7 59.01N 18.31E 0 3.0,1.8L
ISC Event type kh.
DNK Event type kh. Error ellipse: s-maj=1.0km s-min=3.0km az=-1.0. Explosion.
HEL Event type kh. Error ellipse: s-maj=1.0km s-min=2.6km az=-1.0. Explosion.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
BER Event type sh. Error ellipse: s-maj=3.3km s-min=9.2km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=36.8km s-min=9.1km az=170.0.

(724) Baltic States-Belarus-Northwestern Russia
HEL III 14 12 10 50.1–.60 60.97N 29.21E 0 1.5L
LVSN III 14 12 10 44.9–6.9 57.43N 23.26E 0–83 2.4L ¶615959246
HEL Event type kh. Error ellipse: s-maj=3.6km s-min=8.9km az=-1.0. Explosion.
LVSN Error ellipse: s-maj=311.1km s-min=159.3km az=-1.0.

(329) Eastern Kazakhstan
ISC III 14 12 57 39.9–.88 50.02N–.05 78.68E–.09 0 30 1-6
NNC III 14 12 57 37.6–1.4 50.14N 77.81E 0 3.0b,2.7 ¶610546204
IDC III 14 12 57 39.9–.85 50.07N 78.84E 0 2.9,2.4L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=15.8km s-min=5.5km az=114.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=11.0km s-min=6.0km az=58.0.

(721) Finland
HEL III 14 12 59 50.5–.20 61.05N 27.99E 0 1.3L ¶615959250
HEL Event type kh. Error ellipse: s-maj=1.4km s-min=2.9km az=-1.0. Explosion.

(468) Michigan
ISC III 14 14 13 13.8–.98 46.40N–.06 87.57W–.03 0 37 0-7
OTT III 14 14 13 14.8–.37 46.38N 87.54W 0 2.7 ¶610329354
NEIC III 14 14 13 14.7–1.7 46.42N–.04 87.51W–.07 0–2 2.3L
ISC Event type km.
OTT Event type km. Blast, Michigan, U.S. 247km west from Sault Ste. Marie, On Mining explosion.
NEIC Event type sm. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(537) Baltic Sea
UPP III 14 15 14 33.7–.30 55.98N 15.55E 0 2.4L
DNK III 14 15 14 33.6–1.1 55.94N 15.58E 0 2.0L ¶611909821
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
DNK Event type kh. Error ellipse: s-maj=3.3km s-min=6.8km az=-1.0. Explosion.

(464) Minnesota
ISC III 14 17 33 53.3–.84 47.55N–.04 92.67W–.04 0 61 1-19
NEIC III 14 17 33 53.8–2.0 47.56N–.03 92.68W–.06 0–2 2.8L ¶610329356
IDC III 14 17 33 54.2–3.6 47.62N 92.52W 0 2.8,1.9L
OTT III 14 17 33 54.7–.26 47.55N 92.67W 0 3.1,1.9L
ISC Event type km.
NEIC Event type sm. Error ellipse: s-maj=6.8km s-min=5.7km az=101.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=65.0km s-min=26.4km az=50.0.
OTT Event type km. Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Blast, Minnesota, U.S. 129km southeast from Fort Frances, On Mining explosion.

(536) Sweden
ISC III 14 19 02 28.5–.83 67.08N–.03 20.95E–.03 0 23 0-11
UPP III 14 19 02 28.5–.10 67.08N 20.94E 0 2.3L ¶610546214
IDC III 14 19 02 29.9–.94 67.06N 21.29E 0 3.2,2.0L
ISC Event type si.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=17.8km s-min=8.6km az=105.0.

(724) Baltic States-Belarus-Northwestern Russia
HEL III 14 20 26 33.6–.20 68.16N 33.70E 0 1.2L ¶615959263
HEL Event type sh. Error ellipse: s-maj=3.0km s-min=3.2km az=-1.0. Suspected explosion.

(536) Sweden
ISC III 15 00 19 55.5–.78 67.77N–.02 20.32E–.02 0 59 0-4
HEL III 15 00 19 55.9–.30 67.81N 20.08E 0 1.5L ¶611909836
UPP III 15 00 19 56.0–.00 67.83N 20.22E 0 2.8L
DNK III 15 00 19 56.4–.38 67.82N 20.23E 0 2.8L
ISC Event type kh.
HEL Event type kh. Error ellipse: s-maj=1.4km s-min=5.0km az=-1.0. Explosion.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
DNK Event type kh. Error ellipse: s-maj=0.8km s-min=1.8km az=-1.0. Explosion.

(329) Eastern Kazakhstan
ISC III 15 10 45 04.8–.84 50.04N–.04 78.70E–.05 0 34 1-6
IDC III 15 10 45 04.9–.83 50.07N 78.78E 0 2.8,2.3L ¶610546245
NNC III 15 10 45 04.2–.43 50.03N 78.77E 0 3.0b,2.7
ISC Event type sm.
IDC Error ellipse: s-maj=11.5km s-min=6.1km az=58.0.
NNC Event type sm. Error ellipse: s-maj=8.3km s-min=2.2km az=76.0. Suspected Mining explosion.

(460) Wyoming
ISC III 15 21 32 11.0–.87 43.73N–.05 105.34W–.05 0 35 1-90
IDC III 15 21 32 10.9–1.4 43.79N 105.54W 0 4.0b,3.5 ¶610546274
NEIC III 15 21 32 12.1–.84 43.74N–.05 105.30W–.06 0–2 3.1L,3.5
ISC Event type sm.
NEIC Event type sm. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(326) Southwestern Siberia
ISC III 16 04 17 44.5–4.2 53.3N–.10 90.5E–.20 0 10 3-12
IDC III 16 04 17 41.8–3.3 53.48N 90.68E 0 2.9,2.5L ¶610546291
NNC III 16 04 17 44.7–1.3 53.21N 90.48E 0 3.2b,2.9
ISC Event type sm.
IDC Error ellipse: s-maj=27.9km s-min=22.9km az=56.0.
NNC Event type sm. Error ellipse: s-maj=10.9km s-min=7.9km az=83.0. Suspected Mining explosion.

(326) Southwestern Siberia
NNC III 16 05 26 43.1–2.5 54.75N 83.77E 0 3.5b,2.7 ¶612087320
NNC Event type sm. Error ellipse: s-maj=20.3km s-min=8.2km az=16.0. Suspected Mining explosion.

(329) Eastern Kazakhstan
ISC III 16 07 04 43.9–.79 50.01N–.03 78.62E–.06 0 36 1-7
IDC III 16 07 04 43.9–1.0 50.04N 78.70E 0 2.8,2.1L ¶610546296
NNC III 16 07 04 43.4–.44 50.02N 78.66E 0 3.5b,3.1
ISC Event type sm.
IDC Error ellipse: s-maj=15.4km s-min=6.8km az=66.0.
NNC Event type sm. Error ellipse: s-maj=7.6km s-min=2.3km az=76.0. Suspected Mining explosion.

(724) Baltic States-Belarus-Northwestern Russia
ISC III 16 07 46 20.3–.59 59.22N–.02 27.32E–.02 0 3.5b 92 0-55
EST III 16 07 46 21.1–.10 59.21N 27.36E 0 2.3L ¶610546297
HEL III 16 07 46 21.3 59.21N 27.32E 0 2.2L
IDC III 16 07 46 22.9–.75 59.35N 27.40E 0 3.4,3.3b
LVSN III 16 07 46 22.4–3.6 59.15N 27.39E 0–36 2.9L,3.3b
ISC Event type ki.
EST Event type ki. Error ellipse: s-maj=0.6km s-min=0.8km az=-1.0. Confirmed Induced event.
HEL Event type ki. Confirmed Induced event.
IDC Error ellipse: s-maj=10.6km s-min=6.4km az=73.0.
LVSN Error ellipse: s-maj=10.8km s-min=49.1km az=-1.0.

(381) Central Italy
ROM III 16 08 13 14.4–.50 43.49N–.02 12.81E–.05 0 0.1L ¶610329842
ROM Event type sm. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.

(548) Poland
PRU III 16 08 21 40.1–.00 50.24N 18.75E 0 ¶610346915
PRU Event type ki.

(326) Southwestern Siberia
ISC III 16 08 41 33.1–5.4 54.4N–.40 84.04E–.07 0 8 1-8
IDC III 16 08 41 28.3–1.9 54.73N 83.81E 0 2.8,2.1L ¶610546302
NNC III 16 08 41 28.1–2.6 54.84N 84.22E 0 3.7b,2.7
ISC Event type sm.
IDC Error ellipse: s-maj=18.7km s-min=10.6km az=22.0.
NNC Event type sm. Error ellipse: s-maj=27.9km s-min=12.5km az=41.0. Suspected Mining explosion.

(546) Austria
VIE III 16 08 46 41.0 48.23N 14.97E 0 1.4L,1.3b ¶611400259
VIE Event type sm. 8 km E of Grein . Suspected Mining explosion.

(326) Southwestern Siberia
ISC III 16 09 04 26.2–4.6 54.4N–.20 87.2E–.20 0 8 1-8
NNC III 16 09 04 25.0–.92 54.13N 87.40E 0 2.8b,2.7 ¶610546304
IDC III 16 09 04 26.3–3.3 54.20N 87.43E 0 2.7,2.5L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=9.2km s-min=5.2km az=5.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=27.7km s-min=19.3km az=48.0.

(537) Baltic Sea
UPP III 16 16 18 38.0–.30 55.98N 15.55E 0 2.6L
DNK III 16 16 18 38.0–2.0 55.97N 15.62E 5–17 1.9L ¶611909864
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
DNK Event type kh. Error ellipse: s-maj=7.8km s-min=17.0km az=-1.0. Explosion.

(548) Poland
PRU III 16 18 30 04.6–.00 50.24N 18.96E 0 ¶610346931
PRU Event type ki.

(724) Baltic States-Belarus-Northwestern Russia
HEL III 16 23 40 30.2–.60 67.67N 34.01E 0 1.8L
KOLA III 16 23 40 31.0 67.65N 33.80E 0 2.0L ¶615191014
BER III 16 23 40 38.2–1.2 67.99N 33.45E 0 2.0L
HEL Event type kh. Error ellipse: s-maj=2.4km s-min=9.1km az=-1.0. Explosion.
KOLA Error ellipse: s-maj=4.4km s-min=1.4km az=140.0. Khibiny, mines Kirovsk, Yukspor,Khibiny, mines Rasvumchorr, Central.
BER Event type sh. Error ellipse: s-maj=9.1km s-min=22.7km az=-1.0. Suspected explosion.

(536) Sweden
ISC III 17 00 44 17.6–1.2 67.77N–.03 20.19E–.06 0 33 0-4
HEL III 17 00 44 18.0–.30 67.84N 20.05E 0 1.7L ¶611909877
UPP III 17 00 44 18.3–.10 67.83N 20.21E 0 2.5L
ISC Event type kh.
HEL Event type kh. Error ellipse: s-maj=1.2km s-min=6.3km az=-1.0. Explosion.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.

(329) Eastern Kazakhstan
ISC III 17 07 17 10.1–2.7 50.17N–.07 77.6E–.20 0 27 1-6
NNC III 17 07 17 13.5–1.7 50.17N 77.84E 0 3.7b,2.8 ¶610546364
IDC III 17 07 17 15.1–1.0 50.06N 78.71E 0 2.7,2.3L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=19.0km s-min=6.6km az=113.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=11.0km s-min=6.6km az=65.0.

(336) Western Kazakhstan
ISC III 17 07 56 35.5–.94 51.9N–.10 62.43E–.07 0 15 3-25
IDC III 17 07 56 36.3–.99 52.15N 62.21E 0 3.9,3.8b ¶610546369
NNC III 17 07 56 39.0–2.2 51.61N 62.87E 0 3.3b,3.0
ISC Event type sm.
IDC Error ellipse: s-maj=25.3km s-min=10.4km az=168.0.
NNC Event type sm. Error ellipse: s-maj=38.5km s-min=15.9km az=150.0. Suspected Mining explosion.

(548) Poland
ISC III 17 08 50 18.3–.39 51.50N–.03 16.01E–.02 0 4.0b 283 1-84
IPEC III 17 08 50 17.5–.25 51.60N 16.18E 0 3.5L ¶610331463
DNK III 17 08 50 18.2–1.5 51.39N 16.19E 23–48 3.5L
IDC III 17 08 50 19.3–.49 51.51N 16.05E 0 3.8,3.8b
MOS III 17 08 50 19.8–1.3 51.44N 16.11E 11 4.4b,3.8b
MCSM III 17 08 50 19.5–1.1 51N–5.0 16E–9.0 4–2 4.0L,3.8b
LDG III 17 08 50 21.0–.27 51.45N 16.13E 1 4.4L,3.8b
BGR III 17 08 50 21.3–.94 51.34N 16.06E 1 3.8L,3.8b
ISC Event type sr.
IPEC Event type ki. Error ellipse: s-maj=2.0km s-min=1.1km az=33.0.

DNK Error ellipse: s-maj=38.0km s-min=38.0km az=-1.0.
IDC Error ellipse: s-maj=9.6km s-min=5.9km az=111.0.
MOS Error ellipse: s-maj=8.6km s-min=5.2km az=81.2.
LDG Event type sr. Error ellipse: s-maj=6.6km s-min=2.8km az=8.0. Suspected Mining induced.
BGR Event type ki. Error ellipse: s-maj=14.5km s-min=4.4km az=13.0.
(335) Ural Mountains region
NNC III 17 11 31 38.9–4.3 56.54N 61.86E 0 3.6b,3.3 ¶612087406
NNC Event type sm. Error ellipse: s-maj=40.8km s-min=14.0km az=164.0. Suspected Mining explosion.
(536) Sweden
UPP III 18 00 36 18.0–.10 67.86N 20.20E 0 2.3L
HEL III 18 00 36 17.1–.40 67.84N 20.29E 0 1.8L **¶611909895**
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
HEL Event type kh. Error ellipse: s-maj=1.5km s-min=8.6km az=-1.0. Explosion.
(326) Southwestern Siberia
ISC III 18 05 44 50.0–4.0 53.7N–.10 90.5E–.20 0 12 3-12
IDC III 18 05 44 46.4–3.2 53.71N 90.85E 0 3.5,3.3L **¶610546431**
NNC III 18 05 44 48.8–2.4 53.59N 90.63E 0 3.8b,3.5
ISC Event type sm.
IDC Error ellipse: s-maj=28.8km s-min=22.9km az=40.0.
NNC Event type sm. Error ellipse: s-maj=19.1km s-min=14.7km az=35.0. Suspected Mining explosion.
(329) Eastern Kazakhstan
ISC III 18 08 08 24.3–1.2 49.52N–.04 83.5E–.10 0 8 3-5
NNC III 18 08 08 25.2–4.1 49.53N 83.65E 0 3.1b,2.8 **¶610546437**
IDC III 18 08 08 25.3–1.7 49.66N 83.79E 0 2.4,2.0L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=37.2km s-min=11.7km az=64.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=48.5km s-min=12.7km az=104.0.
(383) Northwestern Balkan Peninsula
BEO III 18 10 34 21.5–.60 44.40N 21.93E 0 1.7L ¶616599517
BEO Event type km. Mining explosion.
(713) Central Kazakhstan
ISC III 18 11 32 30.7–1.6 43.68N–.04 69.69E–.09 0 20 1-9
SOME III 18 11 32 30.9 43.65N 69.77E **¶612087477**
NNC III 18 11 32 31.9–1.5 43.72N 69.82E 0 3.6b,3.2
KRNET III 18 11 32 32.0–.10 43.62N 69.73E 2.5b,3.2
ISC Event type sm.
SOME Event type kx.
NNC Event type sm. Error ellipse: s-maj=11.0km s-min=6.2km az=120.0. Suspected Mining explosion.
(460) Wyoming
ISC III 18 18 38 01.4–.81 43.64N–.04 105.30W–.05 0 56 1-20
IDC III 18 18 38 03.0–1.3 43.96N 105.78W 0 3.3L,3.2 **¶610546467**
NEIC III 18 18 38 03.5–2.1 43.65N–.03 105.30W–.05 0–2 3.5L,3.2
ISC Event type sm.
NEIC Event type sm. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(329) Eastern Kazakhstan
ISC III 19 07 12 02.0–.95 49.97N–.04 78.67E–.07 0 31 1-8
NNC III 19 07 12 01.9–.43 50.04N 78.83E 0 2.9b,2.6 **¶610546496**
IDC III 19 07 12 02.5–1.2 50.04N 78.73E 0 2.6,2.1L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=7.7km s-min=2.2km az=71.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=22.0km s-min=6.5km az=68.0.
(536) Sweden
ISC III 19 10 46 38.2–.97 67.59N–.04 21.07E–.03 0 23 0-2
UPP III 19 10 46 39.4–.00 67.63N 21.02E 0 2.6L **¶611909908**
HEL III 19 10 46 39.6–.10 67.63N 20.97E 0 2.6L
ISC Event type kh.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
HEL Event type kh. Error ellipse: s-maj=0.2km s-min=0.4km az=-1.0. Explosion.
(548) Poland
PRU III 19 16 00 23.4–.00 50.30N 18.78E 0 ¶611843271
PRU Event type ki.
(460) Wyoming
ISC III 19 20 04 09.7–.95 43.77N–.06 105.23W–.07 0 51 1-90
IDC III 19 20 04 09.9–1.5 43.88N 105.78W 0 3.6b,3.6L **¶610546535**
NEIC III 19 20 04 10.5–2.3 43.77N–.05 105.23W–.06 0–2 3.2L,3.6L
ISC Event type sm.
NEIC Event type sm. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(460) Wyoming
ISC III 19 21 49 54.3–1.1 43.83N–.06 105.42W–.06 0 44 1-19
IDC III 19 21 49 53.6–2.2 43.40N 105.36W 0 3.3,3.3L **¶610546540**
NEIC III 19 21 49 53.6–.70 43.87N–.05 105.45W–.07 0–2 3.1L,3.3L
ISC Event type sm.
NEIC Event type sm. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(326) Southwestern Siberia
ISC III 20 05 54 33.3–4.0 54.5N–.20 86.8E–.20 0 17 1-10
NNC III 20 05 54 31.5–1.5 54.55N 87.10E 0 3.4b,3.2 **¶610543301**
IDC III 20 05 54 38.0–2.4 54.36N 86.66E 0 3.4,3.0L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=16.4km s-min=9.0km az=169.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=20.2km s-min=12.4km az=56.0.
(326) Southwestern Siberia
ISC III 20 06 51 00.6–3.6 53.8N–.10 88.2E–.20 0 11 2-8
IDC III 20 06 51 01.3–3.1 53.78N 88.22E 0 2.9,2.3L **¶610543307**
NNC III 20 06 51 02.3–2.4 53.59N 88.14E 0 3.1b,2.7
ISC Event type sm.
IDC Error ellipse: s-maj=24.7km s-min=17.7km az=62.0.
NNC Event type sm. Error ellipse: s-maj=18.6km s-min=9.2km az=55.0. Suspected Mining explosion.
(326) Southwestern Siberia
ISC III 20 06 55 28.9–3.6 54.3N–.20 83.79E–.08 0 10 1-8
NNC III 20 06 55 21.7–2.3 54.43N 86.56E 0 2.8b,2.7 **¶610543309**
IDC III 20 06 55 24.4–2.5 54.13N 86.50E 0 3.3,3.1L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=46.2km s-min=12.8km az=161.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=19.9km s-min=11.7km az=61.0.
(326) Southwestern Siberia
IDC III 20 07 05 57.8–3.2 54.58N 86.42E 0 2.8,2.4L
NNC III 20 07 05 55.3–2.4 54.66N 86.62E 0 2.7b,2.6 **¶610543312**
IDC Error ellipse: s-maj=26.3km s-min=15.5km az=49.0.
NNC Event type sm. Error ellipse: s-maj=15.4km s-min=9.1km az=56.0. Suspected Mining explosion.
(329) Eastern Kazakhstan
ISC III 20 07 16 50.5–.89 49.96N–.04 77.76E–.05 0 33 1-6
NNC III 20 07 16 55.3–.22 50.01N 78.73E 0 3.0b,2.6 **¶610543313**
IDC III 20 07 16 56.4–1.0 50.06N 78.70E 0 2.8,2.3L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=3.6km s-min=1.2km az=78.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=15.7km s-min=6.1km az=67.0.
(326) Southwestern Siberia
ISC III 20 08 54 40.2–1.5 53.30N–.08 84.7E–.20 0 8 1-7
NNC III 20 08 54 38.8–.93 54.54N 85.93E 0 3.6b,2.7 **¶610543318**
IDC III 20 08 54 41.8–2.4 54.26N 86.03E 0 3.1,3.0L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=33.4km s-min=5.1km az=139.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=18.0km s-min=11.4km az=50.0.
(326) Southwestern Siberia
ISC III 20 09 02 19.0–3.0 52.88N–.06 86.5E–.20 0 8 1-7
NNC III 20 09 02 22.7–1.1 53.69N 87.00E 0 2.8b,2.6 **¶610543319**
IDC III 20 09 02 24.9–2.4 53.61N 86.79E 0 2.8,2.5L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=13.6km s-min=5.6km az=29.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=21.9km s-min=12.1km az=73.0.
(326) Southwestern Siberia
ISC III 20 09 22 40.1–3.4 53.6N–.10 87.7E–.20 0 9 2-8
IDC III 20 09 22 39.9–3.2 53.54N 87.80E 0 2.8,2.1L **¶610543322**
NNC III 20 09 22 40.2–3.7 53.48N 87.78E 0 3.0b,2.6
ISC Event type sm.
IDC Error ellipse: s-maj=26.5km s-min=15.0km az=66.0.
NNC Event type sm. Error ellipse: s-maj=32.1km s-min=23.9km az=62.0. Suspected Mining explosion.
(326) Southwestern Siberia
ISC III 20 09 41 09.7–4.3 54.2N–.20 86.9E–.20 0 9 1-8
NNC III 20 09 41 07.0–1.3 54.51N 87.05E 0 3.0b,2.8 **¶610543323**
IDC III 20 09 41 08.4–2.8 54.23N 87.14E 0 3.0,2.6L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=23.4km s-min=7.2km az=164.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=25.0km s-min=16.5km az=63.0.
(326) Southwestern Siberia
ISC III 20 10 18 03.0–4.2 54.2N–.20 86.8E–.20 0 15 1-10
IDC III 20 10 18 01.5–2.8 54.19N 86.88E 0 3.2,2.8L **¶610543324**
NNC III 20 10 18 01.6–2.1 54.20N 86.92E 0 3.1b,2.9
ISC Event type sm.
IDC Error ellipse: s-maj=23.1km s-min=15.6km az=58.0.
NNC Event type sm. Error ellipse: s-maj=17.0km s-min=10.7km az=73.0. Suspected Mining explosion.
(326) Southwestern Siberia
ISC III 20 11 10 17.7–1.4 51.7N–.10 82.8E–.10 0 7 3-5
IDC III 20 11 10 17.5–1.9 51.70N 82.95E 0 2.7,2.5L **¶610543328**
NNC III 20 11 10 29.1–2.8 50.95N 82.32E 0 2.8b,2.4
ISC Event type sm.
IDC Error ellipse: s-maj=50.6km s-min=13.1km az=108.0.
NNC Event type sm. Error ellipse: s-maj=32.9km s-min=13.1km az=27.0. Suspected Mining explosion.
(381) Central Italy
ROM III 20 11 32 20.0–.17 43.324N–.01 13.20E–.02 0 1.3L ¶616602700
ROM Event type sm. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
(460) Wyoming
ISC III 20 18 53 50.2–.80 43.56N–.04 105.38W–.04 0 67 1-20
IDC III 20 18 53 47.6–2.0 43.28N 105.34W 0 3.1L,3.0 **¶610543349**
NEIC III 20 18 53 50.7–1.3 43.58N–.03 105.31W–.04 0–2 3.4L,3.0
ISC Event type sm.
NEIC Event type sm. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(460) Wyoming
ISC III 20 19 33 55.3–.87 43.59N–.05 105.17W–.05 0 63 1-20
NEIC III 20 19 33 53.0–.89 43.86N–.09 105.3W–.10 0–2 3.5L **¶610543353**
IDC III 20 19 33 54.3–2.0 43.37N 105.18W 0 3.2,2.8L
ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=19.2km s-min=5.7km az=323.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=38.5km s-min=10.4km az=150.0.
(536) Sweden
HEL III 21 00 41 04.4–.30 67.77N 20.13E 0 1.4L ¶616602532
HEL Event type kh. Error ellipse: s-maj=1.3km s-min=5.3km az=-1.0. Explosion.
(548) Poland
ISC III 21 01 40 28.0–.72 50.26N–.03 18.70E–.02 0 94 1-12
VIE III 21 01 40 28.3 50.26N 18.67E 0 3.7s,2.6L **¶610394224**
IPEC III 21 01 40 28.7–.17 50.21N 18.71E 1 2.6L,2.6L
PRU III 21 01 40 29.3–.00 50.22N 18.61E 0 2.6L,2.6L
IDC III 21 01 40 32.5–1.6 50.46N 18.19E 0 3.6,2.3L
ISC Event type sr.
VIE Event type sr. 22 km W of Katowice . Suspected Mining induced.
IPEC Event type ki. Error ellipse: s-maj=2.1km s-min=1.1km az=166.0.
PRU Event type ki.
IDC Error ellipse: s-maj=28.0km s-min=11.4km az=134.0.
(326) Southwestern Siberia
NNC III 21 06 42 10.6–2.7 53.62N 90.55E 0 3.7b,3.4 ¶612087672
NNC Event type sm. Error ellipse: s-maj=20.6km s-min=15.8km az=52.0. Suspected Mining explosion.
(329) Eastern Kazakhstan
IDC III 21 07 27 07.6–2.6 54.02N 86.49E 0 3.3,3.0L ¶616334299
IDC Error ellipse: s-maj=22.9km s-min=13.5km az=52.0.
(326) Southwestern Siberia
ISC III 21 08 14 06.3–2.2 54.7N–.10 83.73E–.06 0 13 1-8
NNC III 21 08 14 08.6–4.2 54.61N 83.71E 0 3.4b,2.7 **¶610543392**
IDC III 21 08 14 08.4–1.4 54.59N 83.75E 0 3.3,2.8L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=32.9km s-min=9.5km az=2.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=13.3km s-min=9.1km az=5.0.
(724) Baltic States-Belarus-Northwestern Russia
ISC III 21 10 00 16.2–1.1 64.78N–.03 31.09E–.06 0 38 1-9
HEL III 21 10 00 17.5–.20 64.74N 30.74E 0 1.6L **¶610543395**
IDC III 21 10 00 20.5–2.7 64.73N 30.17E 0 2.8,1.7L
ISC Event type kh.
HEL Event type kh. Error ellipse: s-maj=0.7km s-min=3.5km az=-1.0. Explosion.
IDC Error ellipse: s-maj=50.1km s-min=9.4km az=100.0.
(548) Poland
ISC III 21 17 17 17.2–.52 51.58N–.03 16.10E–.02 0 3.2b 184 1-60
DNK III 21 17 17 18.9–1.4 51.46N 15.68E 10–42 2.8L **¶610401476**
IDC III 21 17 17 19.2–.55 51.51N 15.92E 0 3.4,3.3b
IPEC III 21 17 17 19.2–.26 51.50N 16.14E 1 2.9L,3.3b
VIE III 21 17 17 20.2 51.44N 16.09E 0 3.7s,3.3L
BGR III 21 17 17 20.1–.62 51.47N 16.09E 1 3.4L,3.3L
UPP III 21 17 17 22.9–3.3 51.47N 15.47E 0 2.2L,3.3L
LDG III 21 17 17 22.4–.58 51.24N 16.00E 1 3.8L,3.3L
ISC Event type sr.
DNK Error ellipse: s-maj=41.1km s-min=29.5km az=-1.0.
IDC Error ellipse: s-maj=9.7km s-min=5.9km az=101.0.
IPEC Event type ki. Error ellipse: s-maj=2.1km s-min=1.1km az=36.0.
VIE Event type sr. 74 km WNW of Wroclaw . Suspected Mining induced.
BGR Event type ki. Error ellipse: s-maj=6.7km s-min=3.3km az=19.0.
UPP Error ellipse: s-maj=0.3km s-min=0.3km az=-1.0.
LDG Event type sr. Error ellipse: s-maj=15.0km s-min=5.1km az=19.0. Suspected Mining induced.
(548) Poland
PRU III 21 22 53 34.0–.00 50.30N 18.68E 0
IPEC III 21 22 53 33.7–.15 50.29N 18.71E 1 1.3L **¶611843315**
PRU Event type ki.
IPEC Event type ki. Error ellipse: s-maj=2.2km s-min=0.8km az=169.0.
(326) Southwestern Siberia
ISC III 22 06 55 19.8–3.4 54.1N–.20 86.3E–.20 0 10 1-8
NNC III 22 06 54 59.0–4.1 55.22N 87.95E 0 3.1b,2.6 **¶610543451**
IDC III 22 06 55 18.6–2.5 54.13N 86.39E 0 3.0,2.8L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=75.6km s-min=27.1km az=150.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=20.9km s-min=12.8km az=55.0.
(721) Finland

HEL III 22 11 42 49.5–.10 63.15N 27.82E 0 1.9L ¶615959498
HEL Event type kh. Error ellipse: s-maj=0.8km s-min=2.4km az=-1.0. Explosion.
(721) Finland
HEL III 22 11 59 04.5–.10 63.86N 28.11E 0 1.1L ¶615959502
HEL Event type kh. Error ellipse: s-maj=1.8km s-min=3.2km az=-1.0. Explosion.
(724) Baltic States-Belarus-Northwestern Russia
HEL III 22 13 22 24.6–.20 60.96N 29.02E 0 1.4L
LVSN III 22 13 22 33.0–5.8 58.20N 24.24E 0–34 1.8L ¶615959506
HEL Event type kh. Error ellipse: s-maj=1.1km s-min=2.6km az=-1.0. Explosion.
LVSN Error ellipse: s-maj=100.7km s-min=62.7km az=-1.0.
(460) Wyoming
ISC III 22 20 00 41.7–.67 43.77N–.06 105.25W–.05 0 4.1b 98 1-90
IDC III 22 20 00 42.9–.76 43.96N 105.65W 0 3.9b,3.8 ¶610543489
NEIC III 22 20 00 43.0–1.3 43.79N–.05 105.25W–.06 0–2 3.5L,3.8
ISC Event type sm.
NEIC Event type sm. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(536) Sweden
HEL III 23 04 03 45.6–.30 67.79N 20.13E 0 1.0L ¶615959525
HEL Event type kh. Error ellipse: s-maj=1.0km s-min=4.5km az=-1.0. Explosion.
(326) Southwestern Siberia
NNC III 23 04 13 22.5–2.6 55.92N 86.40E 0 3.5b,3.1
IDC III 23 04 13 24.1–3.0 55.90N 86.30E 0 3.0,2.4L ¶610543505
NNC Event type sm. Error ellipse: s-maj=25.6km s-min=17.8km az=115.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=24.8km s-min=23.7km az=86.0.
(326) Southwestern Siberia
IDC III 23 06 24 41.2–3.0 54.46N 87.11E 0 2.8,2.6L ¶610543512
IDC Error ellipse: s-maj=25.2km s-min=16.7km az=61.0.
(723) Finland-Karelia border region
ISC III 23 10 00 15.5–1.0 64.80N–.02 30.74E–.05 0 73 1-10
KOLA III 23 10 00 15.9 64.74N 30.92E 0 2.2L ¶610543526
HEL III 23 10 00 15.9–.20 64.79N 30.70E 0 2.1L
IDC III 23 10 00 16.0–2.2 64.70N 31.09E 0 3.2,2.0L
UPP III 23 10 00 17.6–3.0 64.67N 30.38E 0 1.9L,2.0L
ISC Event type kh.
KOLA Error ellipse: s-maj=19.5km s-min=14.3km az=170.0. Kostomuksha, Karelia.
HEL Event type kh. Error ellipse: s-maj=0.7km s-min=3.5km az=-1.0. Explosion.
IDC Error ellipse: s-maj=29.4km s-min=8.9km az=105.0.
UPP Error ellipse: s-maj=0.1km s-min=0.5km az=-1.0.
(329) Eastern Kazakhstan
ISC III 23 10 11 09.0–1.2 52.80N–.08 76.18E–.05 0 10 3-7
NNC III 23 10 11 16.1–.79 51.67N 75.36E 0 3.1b,2.8 ¶610543528
IDC III 23 10 11 19.7–1.0 51.67N 75.53E 0 2.4,1.6L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=22.0km s-min=5.2km az=25.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=34.3km s-min=9.2km az=29.0.
(721) Finland
HEL III 23 12 44 03.1–.00 61.48N 23.55E 0 1.0L ¶615959542
HEL Event type kh. Error ellipse: s-maj=0.2km s-min=0.2km az=-1.0. Explosion.
(721) Finland
HEL III 23 13 00 06.1–.10 65.12N 25.68E 0 1.3L
UPP III 23 13 00 07.7–1.0 65.14N 25.38E 0 1.6L ¶611909960
HEL Event type kh. Error ellipse: s-maj=0.5km s-min=1.4km az=-1.0. Explosion.
UPP Error ellipse: s-maj=0.0km s-min=0.2km az=-1.0.
(536) Sweden
ISC III 23 18 01 00.3–.74 67.03N–.02 20.84E–.02 0 62 0-7
HEL III 23 18 00 59.7–.20 66.97N 20.53E 0 1.8L ¶610543559
UPP III 23 18 01 00.1–.10 67.04N 20.95E 0 1.9L
IDC III 23 18 01 01.9–1.2 67.02N 21.29E 0 2.7,1.8L
BER III 23 18 01 03.4–1.8 66.96N 21.22E 0 1.5L,1.8L
ISC Event type kh.
HEL Event type kh. Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0. Explosion.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=23.3km s-min=9.8km az=102.0.
BER Event type sh. Error ellipse: s-maj=10.8km s-min=23.4km az=-1.0. Suspected explosion.
(329) Eastern Kazakhstan
ISC III 24 07 21 03.9–3.5 54.7N–.30 84.0E–.20 10 6 1-8
IDC III 24 07 21 04.2–1.6 54.66N 83.84E 0 3.0,2.6L ¶610543578
ISC Event type ke.
IDC Error ellipse: s-maj=15.5km s-min=9.7km az=17.0.
(326) Southwestern Siberia
NNC III 24 07 31 54.6–1.4 53.50N 90.40E 9–7 3.7b,3.4 ¶612087874
NNC Event type sm. Error ellipse: s-maj=11.9km s-min=8.1km az=10.0. Suspected Mining explosion.
(721) Finland
HEL III 24 12 05 22.4–.10 64.72N 24.70E 0 1.1L ¶615959582
HEL Event type kh. Error ellipse: s-maj=0.9km s-min=2.4km az=-1.0. Explosion.
(721) Finland
ISC III 24 12 28 27.8–.77 63.96N–.02 28.13E–.03 0 46 1-9
IDC III 24 12 28 29.1–2.0 63.93N 28.54E 0 2.9,2.0L ¶610543596
HEL III 24 12 28 29.2–.10 64.00N 28.15E 0 1.6L,2.0L
ISC Event type sh.
IDC Error ellipse: s-maj=45.6km s-min=10.6km az=97.0.
HEL Event type sh. Error ellipse: s-maj=0.6km s-min=1.1km az=-1.0. Suspected explosion.
(721) Finland
HEL III 24 15 01 34.8–.30 67.98N 25.39E 0 0.7L ¶615959591
HEL Event type kh. Error ellipse: s-maj=2.5km s-min=7.2km az=-1.0. Explosion.
(460) Wyoming
ISC III 24 18 44 01.6–.67 44.44N–.03 105.41W–.03 0 72 1-89
IDC III 24 18 44 01.3–1.5 44.31N 105.57W 0 3.4b,3.3 ¶610543615
NEIC III 24 18 44 01.6–2.4 44.39N–.05 105.48W–.07 0–2 3.2L,3.3
ANF III 24 18 44 03.3–.18 44.33N 105.42W 0 3.5L,3.3
ISC Event type sm.
IDC Error ellipse: s-maj=41.9km s-min=8.7km az=143.0.
NEIC Event type sm. Error ellipse: s-maj=9.1km s-min=8.2km az=16.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ANF Error ellipse: s-maj=2.5km s-min=2.0km az=179.0.
(548) Poland
PRU III 25 04 57 14.4–.00 51.49N 16.14E 0
IPEC III 25 04 57 11.7–.27 51.58N 16.25E 0 1.8L ¶611843394
PRU Event type ki.
IPEC Event type ki. Error ellipse: s-maj=1.9km s-min=1.1km az=28.0.
(460) Wyoming
ISC III 25 18 50 05.0–.85 43.55N–.05 105.22W–.05 0 69 1-20
NEIC III 25 18 50 05.5–1.8 43.60N–.04 105.17W–.06 0–2 3.2L ¶610543661
IDC III 25 18 50 06.5–1.2 43.77N 105.58W 0 3.2L,3.0
ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=9.3km s-min=4.2km az=312.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=20.0km s-min=9.4km az=151.0.
(548) Poland
ISC III 25 21 05 28.0–1.1 51.42N–.05 16.11E–.03 0 62 1-4
IPEC III 25 21 05 27.1–.28 51.51N 16.21E 1 2.4L ¶610436935
PRU III 25 21 05 28.8–.00 51.42N 16.06E 0 2.4L
VIE III 25 21 05 28.5 51.42N 16.27E 0 2.7L,2.4b
ISC Event type sr.
IPEC Event type ki. Error ellipse: s-maj=2.2km s-min=1.1km az=36.0.
PRU Event type ki.
VIE Event type sr. 63 km NW of Wroclaw . Suspected Mining induced.
(637) Iceland region
ISC III 26 00 24 15.9–3.9 67.64N–.04 18.70W–.06 7–26 3.4b 72 1-91
REY III 26 00 24 13.4 67.81N 18.38W 10 3.4b ¶610435137
IDC III 26 00 24 15.5–.75 67.66N 18.68W 0 3.8s,3.7
NEIC III 26 00 24 16.1–.90 67.74N–.07 19.0W–.20 10–1 4.0b,3.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(536) Sweden
ISC III 26 00 50 35.3–1.0 67.86N–.03 20.37E–.05 0 39 1-8
HEL III 26 00 50 35.0–.20 67.84N 20.23E 0 1.8L ¶610543684
IDC III 26 00 50 37.3–1.3 67.81N 20.96E 0 2.7,2.0L
ISC Event type kh.
HEL Event type kh. Error ellipse: s-maj=0.8km s-min=3.6km az=-1.0. Explosion.
IDC Error ellipse: s-maj=20.2km s-min=9.3km az=110.0.
(713) Central Kazakhstan
ISC III 26 11 03 13.8–.75 43.31N–.02 74.70E–.02 0 63 0-6
KRNET III 26 11 03 13.4–.10 43.31N 74.69E 12 2.8b ¶610472963
KNET III 26 11 03 13.2–.45 43.31N 74.71E 0 1.9L
NNC III 26 11 03 14.5–.85 43.30N 74.72E 0 3.4,3.2b
ISC Event type sm.
KNET Error ellipse: s-maj=3.7km s-min=1.2km az=11.0.
NNC Event type sm. Error ellipse: s-maj=9.2km s-min=5.3km az=1.0. Suspected Mining explosion.
(460) Wyoming
ISC III 26 20 39 49.2–.85 43.63N–.05 105.30W–.06 0 47 1-62
IDC III 26 20 39 49.2–1.9 43.64N 105.56W 0 4.3b,3.6 ¶610543745
NEIC III 26 20 39 50.5–1.3 43.64N–.04 105.29W–.08 0–2 3.2L,3.6
ISC Event type sm.
NEIC Event type sm. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(724) Baltic States-Belarus-Northwestern Russia
HEL III 26 21 51 06.6–.20 67.67N 33.72E 0 1.7L
BER III 26 21 51 05.9–1.2 67.57N 34.14E 0 1.7L ¶615935381
HEL Event type kh. Error ellipse: s-maj=1.3km s-min=1.1km az=-1.0. Explosion.
BER Event type sh. Error ellipse: s-maj=10.6km s-min=26.1km az=-1.0. Suspected explosion.
(460) Wyoming
ISC III 26 23 27 01.8–1.3 43.64N–.05 105.26W–.06 0 12 1-14
IDC III 26 23 26 58.1–4.6 42.81N 105.05W 0 3.3L,2.6 ¶610543756
NEIC III 26 23 27 01.7–2.1 43.60N–.05 105.09W–.06 0–2 2.4L,2.6
ISC Event type sm.
NEIC Event type sm. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(724) Baltic States-Belarus-Northwestern Russia
ISC III 27 01 33 03.3–.86 67.65N–.04 33.72E–.04 0 45 0-12
HEL III 27 01 33 04.2–.20 68.06N 33.61E 0 2.1L ¶610543766
KOLA III 27 01 33 04.3 67.65N 33.73E 0 2.2L
IDC III 27 01 33 06.4–1.9 67.74N 33.42E 0 3.5,2.5L
ISC Event type sh.
HEL Event type sh. Error ellipse: s-maj=3.6km s-min=3.2km az=-1.0. Suspected explosion.
KOLA Error ellipse: s-maj=5.5km s-min=2.4km az=160.0. Khibiny, mines Kirovsk, Yukspor.
IDC Error ellipse: s-maj=21.2km s-min=9.7km az=78.0.
(536) Sweden
ISC III 27 04 34 48.8–.78 67.81N–.02 20.35E–.03 0 59 0-4
UPP III 27 04 34 49.5–.10 67.84N 20.21E 0 2.8L ¶611909996
HEL III 27 04 34 50.3–.30 67.83N 20.26E 0 1.6L
DNK III 27 04 34 50.0–.83 67.85N 20.20E 0 2.8L
ISC Event type kh.
UPP Event type ki. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Confirmed Induced event.
HEL Event type kh. Error ellipse: s-maj=1.3km s-min=4.4km az=-1.0. Explosion.
DNK Event type sh. Error ellipse: s-maj=1.8km s-min=3.9km az=-1.0. Suspected explosion.
(548) Poland
ISC III 27 08 43 48.6–.94 50.18N–.05 19.01E–.03 0 24 1-4
PRU III 27 08 43 54.5–.00 50.59N 18.55E 0 ¶610453700
ISC Event type ki.
PRU Event type ki.
(548) Poland
ISC III 27 09 54 29.7–1.1 51.42N–.05 16.11E–.03 0 50 1-4
IPEC III 27 09 54 28.4–2.1 51.44N 16.24E 1 2.5L ¶610453701
PRU III 27 09 54 33.0–.00 51.30N 16.05E 0 2.5L
ISC Event type ki.
IPEC Event type ki. Error ellipse: s-maj=13.0km s-min=7.6km az=27.0.
PRU Event type ki.
(383) Northwestern Balkan Peninsula
BEO III 27 11 03 06.9–.30 44.42N 21.96E 0 1.6L ¶615317182
BEO Event type km. Mining explosion.
(535) Southern Norway
BER III 27 13 44 56.0–1.1 60.07N 9.66E 0 0.8L ¶610543796
BER Event type sh. Error ellipse: s-maj=1.8km s-min=5.1km az=-1.0. Suspected explosion.
(548) Poland
ISC III 27 15 49 34.5–.72 51.58N–.03 16.13E–.02 0 108 1-60
IDC III 27 15 49 35.7–.83 51.51N 15.89E 0 3.4,3.3b ¶610453707
IPEC III 27 15 49 35.7–2.0 51.52N 16.17E 1 2.8L,3.3b
BGR III 27 15 49 36.6–.47 51.50N 16.14E 1 3.2L,3.3b
VIE III 27 15 49 37.2 51.42N 16.06E 0 3.1L,3.0b
PRU III 27 15 49 37.9–.00 51.42N 16.11E 0 3.1L,3.0b
ISC Event type sr.
IDC Error ellipse: s-maj=12.5km s-min=9.1km az=108.0.
IPEC Event type ki. Error ellipse: s-maj=14.0km s-min=6.4km az=31.0.
BGR Event type ki. Error ellipse: s-maj=6.7km s-min=3.3km az=18.0.
VIE Event type sr. 75 km WNW of Wroclaw . Suspected Mining induced.
PRU Event type ki.
(460) Wyoming
ISC III 27 18 05 24.0–.89 43.75N–.05 105.35W–.05 0 51 1-20
IDC III 27 18 05 22.5–2.1 43.62N 105.40W 0 3.1,2.5L ¶610543810
NEIC III 27 18 05 24.2–1.0 43.75N–.05 105.31W–.05 0–2 3.1L,2.5L
ISC Event type sm.
NEIC Event type sm. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(460) Wyoming
ISC III 27 19 26 57.0–.90 43.56N–.05 105.34W–.05 0 65 1-20
IDC III 27 19 26 55.8–2.3 43.40N 105.40W 0 3.2,3.1L ¶610543812
NEIC III 27 19 26 58.4–1.3 43.56N–.06 105.33W–.07 0–2 3.2L,3.1L
ISC Event type sm.
NEIC Event type sm. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(24) Alberta
ISC III 27 19 40 51.0–.90 50.40N–.05 114.66W–.05 0 15 1-12
PGC III 27 19 40 54.5–.04 50.22N 114.82W 0 2.7L ¶610543813
IDC III 27 19 40 55.5–6.2 50.31N 114.31W 0 3.4,3.3L
ISC Event type km.
PGC Event type km. 105km northeast of Cranbrook, Bc Alberta, Canada Mining explosion.
IDC Error ellipse: s-maj=86.8km s-min=46.2km az=69.0.
(724) Baltic States-Belarus-Northwestern Russia
HEL III 27 21 07 06.6–.20 67.63N 33.78E 0 1.5L ¶615959685
HEL Event type kh. Error ellipse: s-maj=1.9km s-min=3.9km az=-1.0. Explosion.
(536) Sweden
ISC III 27 23 18 23.9–.80 67.83N–.02 20.23E–.03 0 43 0-4
UPP III 27 23 18 23.9–.00 67.84N 20.20E 1 2.7L ¶611910003
HEL III 27 23 18 24.8–.30 67.82N 20.28E 0 1.6L
ISC Event type kh.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
HEL Event type kh. Error ellipse: s-maj=1.1km s-min=6.2km az=-1.0. Explosion.
(326) Southwestern Siberia
ISC III 28 06 21 25.9–3.7 53.9N–.10 86.7E–.20 0 11 1-8
IDC III 28 06 21 24.5–2.6 53.77N 87.01E 0 3.0,2.8L ¶610543835
NNC III 28 06 21 26.2–3.5 53.76N 86.83E 5–34 2.9b,2.6
ISC Event type sm.
IDC Error ellipse: s-maj=22.3km s-min=14.3km az=68.0.

NNC Event type sm. Error ellipse: s-maj=42.4km s-min=15.7km az=27.0. Suspected Mining explosion.
(329) Eastern Kazakhstan
ISC III 28 07 25 33.7–.96 50.02N–.05 78.69E–.06 0 30 1-6
NNC III 28 07 25 32.2–.33 50.00N 78.74E 0 3.4b,2.9 ¶610543837
IDC III 28 07 25 34.4–1.1 50.07N 78.74E 0 3.1,2.6L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=5.3km s-min=1.8km az=80.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=19.5km s-min=6.4km az=67.0.
(326) Southwestern Siberia
ISC III 28 09 38 21.5–4.9 53.7N–.10 88.2E–.30 35 8 2-8
IDC III 28 09 38 20.0–2.9 53.60N 87.82E 0 3.1,2.7L ¶610543843
ISC Event type ke.
IDC Error ellipse: s-maj=25.7km s-min=15.5km az=62.0.
(547) Czech and Slovak Republics
PRU III 28 16 18 51.2–.00 49.85N 18.52E 0
IPEC III 28 16 18 51.0–.12 49.82N 18.57E 1 1.3L ¶611843450
PRU Event type ki.
IPEC Event type ki. Error ellipse: s-maj=1.7km s-min=0.7km az=161.0.
(460) Wyoming
ISC III 28 20 02 08.3–.88 43.98N–.06 105.29W–.06 0 52 1-89
IDC III 28 20 02 08.2–1.7 43.95N 105.51W 0 3.5b,3.2 ¶610543867
NEIC III 28 20 02 09.3–1.8 43.98N–.05 105.26W–.06 0–2 3.0L,3.2
ISC Event type sm.
NEIC Event type sm. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(326) Southwestern Siberia
NNC III 29 07 40 07.2–3.6 53.72N 90.57E 0 3.8b,3.5
¶612088223
NNC Event type sm. Error ellipse: s-maj=28.4km s-min=22.7km az=33.0. Suspected Mining explosion.
(721) Finland
HEL III 29 08 30 57.0–.20 62.12N 25.65E 0 1.2L
¶615959725
HEL Event type kh. Error ellipse: s-maj=2.1km s-min=3.1km az=-1.0. Explosion.
(536) Sweden
ISC III 29 09 28 53.6–.83 67.80N–.03 20.26E–.03 0 32 0-3
UPP III 29 09 28 53.9–.00 67.82N 20.21E 0 2.5L ¶611910023
HEL III 29 09 28 54.1–.50 67.82N 20.12E 0 1.0L
ISC Event type kh.
UPP Event type ki. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Confirmed Induced event.
HEL Event type kh. Error ellipse: s-maj=1.9km s-min=9.4km az=-1.0. Explosion.
(536) Sweden
ISC III 29 12 49 40.1–.89 56.23N–.04 12.28E–.04 0 92 0-15
DNK III 29 12 49 41.1–1.7 56.21N 12.14E 0 2.3L ¶610543929
UPP III 29 12 49 42.8–.20 56.27N 12.34E 0 2.8L
BER III 29 12 49 43.4–1.2 56.26N 12.29E 0 2.8L,1.5L
IDC III 29 12 49 45.2–2.8 56.38N 12.38E 0 3.3,2.3L
ISC Event type kh.
DNK Event type kh. Error ellipse: s-maj=3.1km s-min=5.4km az=-1.0. Explosion.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
BER Event type sh. Error ellipse: s-maj=3.3km s-min=5.1km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=30.8km s-min=20.3km az=61.0.
(536) Sweden
ISC III 29 23 39 49.2–.80 67.79N–.03 20.31E–.03 0 38 0-4
HEL III 29 23 39 50.5–.20 67.81N 20.18E 0 1.3L ¶611910029
UPP III 29 23 39 50.1–.10 67.83N 20.21E 0 2.5L
ISC Event type kh.
HEL Event type kh. Error ellipse: s-maj=0.8km s-min=3.2km az=-1.0. Explosion.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
(536) Sweden
ISC III 29 23 45 38.7–.78 67.84N–.02 20.21E–.02 0 52 0-8
HEL III 29 23 45 39.5–.10 67.84N 20.17E 0 1.9L ¶610543961
UPP III 29 23 45 39.2–.00 67.86N 20.20E 0 2.3L
IDC III 29 23 45 40.0–1.3 67.87N 20.62E 0 2.9,2.0L
ISC Event type kh.
HEL Event type kh. Error ellipse: s-maj=0.6km s-min=2.4km az=-1.0. Explosion.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=30.1km s-min=8.0km az=125.0.
(724) Baltic States-Belarus-Northwestern Russia
HEL III 30 04 06 16.3–.10 67.66N 33.69E 0 1.4L
¶615191143
HEL Event type kh. Error ellipse: s-maj=2.0km s-min=3.6km az=-1.0. Explosion.
(724) Baltic States-Belarus-Northwestern Russia
BER III 30 04 06 48.8–1.1 67.41N 34.64E 0 2.0L
KOLA III 30 04 06 52.7 67.54N 33.90E 0 1.6L ¶616602521
BER Event type sh. Error ellipse: s-maj=9.9km s-min=21.8km az=-1.0. Suspected explosion.
KOLA Error ellipse: s-maj=8.2km s-min=2.1km az=160.0. Murmansk region, Kirovsk district .
(713) Central Kazakhstan
ISC III 30 13 12 14.2–2.5 43.81N–.07 69.8E–.10 0 34 1-5
KRNET III 30 13 12 14.1–.10 43.76N 69.65E 2.8b ¶612088311
SOME III 30 13 12 14.7 43.73N 69.72E 2.8b
NNC III 30 13 12 16.1–.95 43.72N 69.76E 0 3.6b,3.1
ISC Event type sm.
SOME Event type kx.
NNC Event type sm. Error ellipse: s-maj=7.8km s-min=5.0km az=56.0. Suspected Mining explosion.
(548) Poland
ISC III 30 15 37 05.2–1.1 51.46N–.05 16.08E–.03 0 56 1-4
VIE III 30 15 37 04.1 51.51N 16.28E 0 2.7L,2.3b ¶610476510
PRU III 30 15 37 09.7–.00 51.35N 16.01E 0 2.7L,2.3b
ISC Event type sr.
VIE Event type sr. 69 km NW of Wroclaw . Suspected Mining induced.
PRU Event type ki.
(548) Poland
ISC III 30 17 31 22.4–.78 51.51N–.03 16.24E–.02 0 74 1-5
IPEC III 30 17 31 23.3–.26 51.44N 16.29E 1 2.6L ¶610476516
PRU III 30 17 31 24.7–.00 51.37N 16.18E 0 2.6L
VIE III 30 17 31 24.2 51.38N 16.25E 0 2.9L,2.3b
ISC Event type sr.
IPEC Event type ki. Error ellipse: s-maj=2.1km s-min=1.1km az=39.0.
PRU Event type ki.
VIE Event type sr. 62 km WNW of Wroclaw . Suspected Mining induced.
(548) Poland
ISC III 31 04 43 27.3–.71 51.55N–.03 16.13E–.03 0 69 1-19
DNK III 31 04 43 26.1–1.2 51.24N 16.17E 32–37 2.8L ¶610476546
IPEC III 31 04 43 28.7–.24 51.49N 16.18E 0 2.3L
VIE III 31 04 43 28.8 51.49N 16.21E 0 2.7L,2.5b
IDC III 31 04 43 29.9–.87 51.47N 15.98E 0 3.3,2.7L
PRU III 31 04 43 30.2–.00 51.41N 16.08E 0 3.3,2.7L
ISC Event type sr.
DNK Error ellipse: s-maj=29.0km s-min=30.3km az=-1.0.
IPEC Event type ki. Error ellipse: s-maj=2.0km s-min=1.1km az=36.0.
VIE Event type sr. 71 km NW of Wroclaw . Suspected Mining induced.
IDC Error ellipse: s-maj=16.2km s-min=8.4km az=110.0.
PRU Event type ki.
(326) Southwestern Siberia
ISC III 31 09 27 51.6–4.3 54.2N–.20 87.0E–.20 0 12 1-8
NNC III 31 09 27 51.0–1.1 54.08N 87.23E 0 3.1b,2.9 ¶610544042
IDC III 31 09 27 50.5–2.8 54.23N 87.07E 0 3.0,2.5L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=10.0km s-min=5.1km az=18.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=23.6km s-min=16.2km az=63.0.
(721) Finland
HEL III 31 11 58 54.0–.30 60.36N 25.16E 0 0.7L
¶615959812
HEL Event type kh. Error ellipse: s-maj=2.9km s-min=4.5km az=-1.0. Explosion.
(460) Wyoming
ISC III 31 22 16 09.2–.94 43.44N–.04 105.13W–.04 0 23 1-20
IDC III 31 22 16 08.1–2.6 43.31N 105.30W 0 3.1,2.7L ¶610544075
NEIC III 31 22 16 11.9–1.2 43.58N–.04 105.34W–.06 0–1 3.4L,2.7L
ISC Event type sm.
NEIC Event type sm. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(536) Sweden
UPP IV 01 03 15 25.0–.10 67.82N 20.22E 4–8 1.8L
¶611910057
UPP Event type ki. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Confirmed Induced event.
(536) Sweden
ISC IV 01 17 18 58.8–.65 67.78N–.02 20.28E–.02 0 97 0-11
UPP IV 01 17 18 59.4–.00 67.82N 20.22E 0 2.4L ¶610484850
NAO IV 01 17 18 59.8–.60 67.84N 20.36E 2.8L
HEL IV 01 17 19 00.0–.00 67.83N 20.21E 0 2.4L,2.3L
IDC IV 01 17 19 00.4–.82 67.77N 20.50E 0 3.1,2.3L
BER IV 01 17 19 02.0–3.3 67.85N 20.34E 0 2.3L,2.3L
ISC Event type ki.
UPP Event type ki. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Confirmed Induced event.
HEL Event type ki. Error ellipse: s-maj=0.2km s-min=0.2km az=-1.0. Confirmed Induced event.
IDC Error ellipse: s-maj=14.3km s-min=7.3km az=109.0.
BER Event type ki. Error ellipse: s-maj=5.3km s-min=17.7km az=-1.0. Confirmed Induced event.
(548) Poland
ISC IV 01 18 03 12.8–.58 51.61N–.02 15.99E–.02 0 176 1-60
LDG IV 01 18 03 13.3–.21 51.58N 16.04E 1 3.4L ¶610470137
VIE IV 01 18 03 14.8 51.50N 16.08E 0 3.2s,3.0L
UPP IV 01 18 03 14.3–3.3 51.53N 15.38E 0 2.2L,3.0L
IDC IV 01 18 03 14.9–.64 51.55N 15.83E 0 3.2,3.2b
IPEC IV 01 18 03 14.4–.24 51.58N 16.03E 1 2.9L,3.2b
BGR IV 01 18 03 15.1–.47 51.55N 16.01E 1 3.2L,3.2b
PRU IV 01 18 03 17.0–.00 51.48N 16.01E 0 3.2L,3.2b
ISC Event type sr.
LDG Event type sr. Error ellipse: s-maj=5.0km s-min=2.3km az=16.0. Suspected Mining induced.
VIE Event type sr. 79 km NW of Wroclaw . Suspected Mining induced.
UPP Error ellipse: s-maj=0.2km s-min=0.3km az=-1.0.
IDC Error ellipse: s-maj=10.1km s-min=6.2km az=99.0.
IPEC Event type ki. Error ellipse: s-maj=2.0km s-min=1.1km az=34.0.
BGR Event type ki. Error ellipse: s-maj=5.6km s-min=2.2km az=21.0.
PRU Event type ki.
(460) Wyoming
ISC IV 01 20 05 27.1–.95 43.77N–.05 105.29W–.06 0 37 1-20
NEIC IV 01 20 05 27.7–1.1 43.77N–.05 105.27W–.03 0–2 3.5L ¶610651723
IDC IV 01 20 05 28.6–1.6 43.92N 105.75W 0 3.1,2.4L
ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=9.4km s-min=3.1km az=339.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=45.3km s-min=8.5km az=144.0.
(536) Sweden
ISC IV 01 23 14 19.8–.85 67.80N–.03 20.22E–.03 0 48 0-8
HEL IV 01 23 14 18.9–.30 67.82N 20.04E 0 1.5L ¶610651731
UPP IV 01 23 14 19.5–.00 67.82N 20.21E 0 2.4L
IDC IV 01 23 14 20.4–1.4 67.81N 20.37E 0 2.7,1.8L
ISC Event type kh.
HEL Event type kh. Error ellipse: s-maj=1.1km s-min=5.1km az=-1.0. Explosion.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=20.6km s-min=9.5km az=112.0.
(383) Northwestern Balkan Peninsula
LJU IV 02 00 00 25.8 46.39N 15.07E 0
¶610482600
LJU Event type kr. Confirmed Rockburst.
(326) Southwestern Siberia
NNC IV 02 05 00 21.9–1.5 52.77N 87.58E 0 3.6b,3.2
¶612036931
NNC Event type sm. Error ellipse: s-maj=11.8km s-min=5.8km az=78.0. Suspected Mining explosion.
(548) Poland
ISC IV 02 05 29 14.6–.72 50.22N–.03 18.95E–.02 0 61 1-20
IPEC IV 02 05 29 15.1–.21 50.24N 18.95E 0–1 2.3L ¶610470171
PRU IV 02 05 29 15.7–.00 50.22N 18.95E 0 2.3L
IDC IV 02 05 29 16.3–2.3 50.07N 18.84E 0 2.9,2.4L
ISC Event type ki.
IPEC Event type ki. Error ellipse: s-maj=2.4km s-min=1.1km az=169.0.
PRU Event type ki.
IDC Error ellipse: s-maj=38.2km s-min=9.6km az=134.0.
(329) Eastern Kazakhstan
ISC IV 02 07 06 50.3–.95 49.96N–.04 78.63E–.06 0 28 1-13
NNC IV 02 07 06 50.0–.41 50.02N 78.76E 0 3.0b,2.7 ¶610651743
IDC IV 02 07 06 50.8–1.2 50.05N 78.71E 0 2.7,2.3L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=7.6km s-min=2.2km az=75.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=23.1km s-min=6.9km az=68.0.
(713) Central Kazakhstan
ISC IV 02 09 19 37.3–1.3 50.87N–.10 73.35E–.08 0 6 3-10
NNC IV 02 09 19 32.4–1.4 50.82N 73.66E 0 3.2b,2.9 ¶610651751
IDC IV 02 09 19 44.7–5.8 51.02N 74.16E 0 2.6,2.9
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=13.8km s-min=10.9km az=166.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=116.7km s-min=43.2km az=37.0.
(536) Sweden
ISC IV 02 17 42 36.2–.68 67.81N–.02 20.25E–.02 0 57 0-10
UPP IV 02 17 42 36.8–.10 67.83N 20.21E 0 2.4L ¶610651771
HEL IV 02 17 42 37.4–.00 67.83N 20.21E 1 2.4L,2.1L
IDC IV 02 17 42 37.9–.90 67.80N 20.52E 0 3.1,2.2L
ISC Event type ki.
UPP Event type ki. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Confirmed Induced event.
HEL Event type ki. Error ellipse: s-maj=0.3km s-min=0.2km az=-1.0. Confirmed Induced event.
IDC Error ellipse: s-maj=15.0km s-min=7.2km az=114.0.
(326) Southwestern Siberia
ISC IV 03 05 44 01.3–4.3 54.3N–.20 86.8E–.20 0 9 1-8
NNC IV 03 05 43 59.1–1.7 54.52N 86.89E 0 3.1b,2.9 ¶610651802
IDC IV 03 05 44 01.4–3.0 54.30N 86.87E 0 2.9,2.5L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=34.0km s-min=9.0km az=161.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=25.7km s-min=15.4km az=63.0.
(329) Eastern Kazakhstan
ISC IV 03 07 19 39.6–.95 49.94N–.04 78.64E–.04 0 16 1-6
NNC IV 03 07 19 39.9–.80 50.01N 78.74E 0 3.3b,3.0 ¶610651810
IDC IV 03 07 19 40.5–1.1 50.05N 78.74E 0 3.0,2.6L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=7.6km s-min=3.8km az=66.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=17.8km s-min=6.4km az=67.0.
(326) Southwestern Siberia
ISC IV 03 08 34 23.1–3.3 54.4N–.10 87.6E–.10 0 14 2-10
NNC IV 03 08 34 23.3–2.8 54.29N 87.69E 0 3.2b,2.9 ¶610651818
IDC IV 03 08 34 25.2–2.7 54.34N 87.48E 0 3.1,2.8L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=23.9km s-min=15.2km az=28.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=22.4km s-min=15.9km az=64.0.
(326) Southwestern Siberia
NNC IV 03 09 40 28.6–3.4 54.42N 86.19E 0 3.4b,2.7
IDC IV 03 09 40 32.1–2.5 54.30N 85.97E 0 3.1,2.8L ¶610651828
NNC Event type sm. Error ellipse: s-maj=41.2km s-min=16.4km az=160.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=18.2km s-min=10.0km az=55.0.
(326) Southwestern Siberia
ISC IV 03 09 43 29.0–3.6 53.8N–.10 86.9E–.20 0 14 1-8

NNC IV 03 09 43 28.2–2.6 53.71N 86.97E 0 2.9b,2.7 ¶610651829
IDC IV 03 09 43 29.3–2.4 53.71N 86.92E 0 2.9,2.8L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=21.8km s-min=9.5km az=44.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=20.9km s-min=12.9km az=74.0.
(326) Southwestern Siberia
ISC IV 03 09 46 41.8–4.5 53.5N–.10 87.8E–.30 0 11 2-8
NNC IV 03 09 46 40.0–5.1 53.50N 87.91E 0 3.1b,2.8 ¶610651830
IDC IV 03 09 46 41.3–2.8 53.56N 87.80E 0 3.0,2.8L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=44.3km s-min=19.2km az=59.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=25.1km s-min=14.5km az=62.0.
(547) Czech and Slovak Republics
ISC IV 03 17 20 35.5–.76 49.80N–.03 18.53E–.02 0 61 0-4
IPEC IV 03 17 20 35.6–.17 49.81N 18.58E 1–3 2.2L ¶610513813
VIE IV 03 17 20 35.4 49.73N 18.58E 0 2.7b,2.5L
PRU IV 03 17 20 36.3–.00 49.83N 18.54E 0 2.7b,2.5L
ISC Event type sr.
IPEC Event type ki. Error ellipse: s-maj=1.7km s-min=1.1km az=163.0.
VIE Event type sr. 27 km ESE of Ostrava . Suspected Mining induced.
PRU Event type ki. Mining Induced Event Csm, E=9.4e+04.
(460) Wyoming
ISC IV 03 20 04 16.3–.55 43.80N–.03 105.27W–.04 0 4.2b 154 1-90
IDC IV 03 20 04 14.8–.93 43.72N 105.83W 0 4.1b,3.7 ¶610651870
ANF IV 03 20 04 16.7–.19 43.75N 105.31W 0 4.0L,3.7
NEIC IV 03 20 04 17.1–1.4 43.81N–.05 105.32W–.06 0–2 3.6L,3.7
ISC Event type sm.
NEIC Event type sm. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(548) Poland
PRU IV 03 23 23 10.5–.00 50.30N 18.87E 0
¶611918087
PRU Event type ki.
(326) Southwestern Siberia
ISC IV 04 06 42 34.7–3.9 53.8N–.10 88.0E–.20 0 12 2-8
IDC IV 04 06 42 32.7–2.8 53.81N 88.18E 0 3.2,3.0L ¶610651894
NNC IV 04 06 42 34.0–2.0 53.72N 88.03E 0 3.5b,3.2
ISC Event type sm.
IDC Error ellipse: s-maj=23.4km s-min=16.7km az=56.0.
NNC Event type sm. Error ellipse: s-maj=16.0km s-min=8.2km az=58.0. Suspected Mining explosion.
(548) Poland
PRU IV 04 07 38 55.3–.00 50.05N 18.37E 0
¶610513838
PRU Event type ki.
(326) Southwestern Siberia
NNC IV 04 09 16 16.3–2.5 53.49N 87.69E 0 3.6b,3.3
¶612037048
NNC Event type sm. Error ellipse: s-maj=19.8km s-min=9.9km az=64.0. Suspected Mining explosion.
(723) Finland-Karelia border region
ISC IV 04 09 59 51.9–1.0 64.68N–.03 30.84E–.06 0 47 1-9
UPP IV 04 09 59 45.1–3.0 64.25N 31.87E 0 1.9L ¶610651901
HEL IV 04 09 59 52.3–.20 64.69N 30.56E 0 2.1L
IDC IV 04 09 59 54.5–2.5 64.74N 30.94E 0 3.1,1.9L
KOLA IV 04 09 59 54.3 64.63N 30.38E 0 2.4L,1.9L
ISC Event type kh.
UPP Error ellipse: s-maj=0.2km s-min=0.5km az=-1.0.
HEL Event type kh. Error ellipse: s-maj=1.2km s-min=7.2km az=-1.0. Explosion.
IDC Error ellipse: s-maj=38.0km s-min=9.2km az=101.0.
KOLA Error ellipse: s-maj=49.9km s-min=26.7km az=90.0. Kostomuksha, Karelia.
(721) Finland
HEL IV 04 10 00 22.0–.10 62.98N 21.68E 0 1.8L
UPP IV 04 10 00 19.2–.80 62.89N 21.77E 0 1.9L ¶611910076
HEL Event type kh. Error ellipse: s-maj=0.8km s-min=1.1km az=-1.0. Explosion.
UPP Error ellipse: s-maj=0.0km s-min=0.1km az=-1.0.
(548) Poland
PRU IV 04 10 07 06.6–.00 50.31N 18.99E 0
¶611918099
PRU Event type ki.
(548) Poland
ISC IV 04 16 06 44.6–.78 51.50N–.04 16.11E–.02 0 76 1-60
PRU IV 04 16 06 43.5–.00 51.52N 16.19E 0 ¶610513847
IPEC IV 04 16 06 45.0–.23 51.50N 16.16E 1 2.6L
IDC IV 04 16 06 45.9–.87 51.44N 16.09E 0 3.3,3.1b
VIE IV 04 16 06 46.1 51.42N 16.05E 0 2.8L,2.6b
ISC Event type sr.
PRU Event type ki.
IPEC Event type ki. Error ellipse: s-maj=1.8km s-min=1.0km az=25.0.
IDC Error ellipse: s-maj=17.1km s-min=7.6km az=97.0.
VIE Event type sr. 76 km WNW of Wroclaw . Suspected Mining induced.
(547) Czech and Slovak Republics
ISC IV 04 18 50 08.3–.84 49.85N–.04 18.51E–.02 0 36 0-3
IPEC IV 04 18 50 08.2–.16 49.82N 18.56E 1 1.5L ¶611918108
PRU IV 04 18 50 09.0–.00 49.83N 18.49E 0 1.5L
ISC Event type ki.
IPEC Event type ki. Error ellipse: s-maj=1.7km s-min=1.1km az=163.0.
PRU Event type ki. Mining Induced Event Csm, E=1.7e+04.
(326) Southwestern Siberia
IDC IV 05 06 59 55.7–3.0 54.33N 87.22E 0 2.7,2.5L
¶610651977
IDC Error ellipse: s-maj=25.5km s-min=16.6km az=63.0.
(329) Eastern Kazakhstan
NNC IV 05 10 05 39.1–.69 51.40N 75.63E 0 3.6b,3.1
¶612037123
NNC Event type sm. Error ellipse: s-maj=12.7km s-min=5.0km az=19.0. Suspected Mining explosion.
(724) Baltic States-Belarus-Northwestern Russia
EST IV 05 11 31 23.6–.10 59.28N 27.65E 0 1.6L
LVSN IV 05 11 31 31.8–5.0 59.38N 27.15E 0–40 2.2L ¶615296963
EST Event type kh. Error ellipse: s-maj=0.6km s-min=0.6km az=-1.0. Explosion.
LVSN Error ellipse: s-maj=26.2km s-min=64.7km az=-1.0.
(329) Eastern Kazakhstan
ISC IV 05 11 37 58.7–1.1 49.97N–.06 78.6E–.10 0 29 1-6
NNC IV 05 11 37 58.1–.43 50.00N 78.77E 0 3.0b,2.6 ¶610652005
IDC IV 05 11 37 59.2–1.1 50.05N 78.74E 0 2.5,2.0L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=10.9km s-min=2.0km az=72.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=13.8km s-min=7.0km az=66.0.
(724) Baltic States-Belarus-Northwestern Russia
ISC IV 05 13 27 18.9–.81 58.53N–.03 22.26E–.02 0 68 1-4
DNK IV 05 13 27 15.5–.68 58.47N 22.79E 0 2.5L ¶611910097
UPP IV 05 13 27 17.2–2.0 58.49N 22.54E 0 2.5L
HEL IV 05 13 27 20.2–.20 58.53N 22.17E 0 2.1L
EST IV 05 13 27 20.1–.10 58.53N 22.23E 0 2.0L
LVSN IV 05 13 27 21.0–5.4 58.47N 22.14E 0–52 2.3L
ISC Event type kh.
DNK Event type sh. Error ellipse: s-maj=4.1km s-min=15.2km az=-1.0. Suspected explosion.
UPP Error ellipse: s-maj=0.1km s-min=0.3km az=-1.0.
HEL Event type kh. Error ellipse: s-maj=1.6km s-min=2.0km az=-1.0. Explosion.
EST Event type kh. Error ellipse: s-maj=0.8km s-min=0.7km az=-1.0. Explosion.
LVSN Error ellipse: s-maj=24.7km s-min=50.6km az=-1.0.
(545) Northern Italy
VIE IV 05 15 44 23.1 46.16N 11.19E 0 1.6L,1.4b
¶611626721
VIE Event type sm. 6 km WNW of Salurn . Suspected Mining explosion.
(536) Sweden
ISC IV 05 23 44 15.5–.80 67.81N–.02 20.24E–.03 0 42 0-4
UPP IV 05 23 44 15.9–.00 67.85N 20.19E 0 2.5L ¶611910105
HEL IV 05 23 44 16.7–.10 67.84N 20.19E 0 1.3L
ISC Event type kh.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
HEL Event type kh. Error ellipse: s-maj=0.6km s-min=2.7km az=-1.0. Explosion.
(724) Baltic States-Belarus-Northwestern Russia
ISC IV 06 03 47 36.1–.90 67.62N–.04 33.78E–.04 0 55 0-7
UPP IV 06 03 47 36.9–3.0 67.70N 33.77E 0 2.6L ¶611910106
HEL IV 06 03 47 36.7–.10 67.60N 33.82E 0 2.2L
KOLA IV 06 03 47 37.1 67.65N 33.81E 0 2.5L
ISC Event type sh.
UPP Error ellipse: s-maj=0.2km s-min=0.6km az=-1.0.
HEL Event type sh. Error ellipse: s-maj=1.2km s-min=2.4km az=-1.0. Suspected explosion.
KOLA Error ellipse: s-maj=8.8km s-min=2.9km az=160.0. Khibiny, mines Kirovsk, Yukspor,Khibiny, mines Rasvumchorr, Central.
(548) Poland
ISC IV 06 03 58 53.6–.51 51.56N–.02 16.06E–.02 0 3.7b 234 1-60
LDG IV 06 03 58 54.3–.27 51.53N 16.15E 1 3.9L ¶610505900
IPEC IV 06 03 58 54.6–.34 51.56N 16.20E 0–1 3.2L
IDC IV 06 03 58 55.9–.63 51.50N 16.00E 0 3.7b,3.6
DNK IV 06 03 58 55.4–1.6 51.64N 15.96E 0 2.3L,2.1L
MCSM IV 06 03 58 55.0–.60 52N–3.0 16E–5.0 4–2 3.5L,2.1L
BGR IV 06 03 58 56.4–.36 51.46N 16.10E 1 3.4L,2.1L
UPP IV 06 03 59 00.5–3.1 51.89N 15.70E 0 2.3L,2.1L
ISC Event type sr.
LDG Event type sr. Error ellipse: s-maj=6.0km s-min=2.9km az=18.0. Suspected Mining induced.
IPEC Event type ki. Error ellipse: s-maj=2.5km s-min=1.1km az=31.0.
IDC Error ellipse: s-maj=14.3km s-min=6.6km az=119.0.
DNK Event type sh. Error ellipse: s-maj=9.3km s-min=27.0km az=-1.0. Suspected explosion.
BGR Event type ki. Error ellipse: s-maj=4.4km s-min=2.2km az=13.0.
UPP Error ellipse: s-maj=0.2km s-min=0.3km az=-1.0.
(548) Poland
ISC IV 06 04 06 24.1–.58 51.57N–.03 16.11E–.02 0 185 1-60
DNK IV 06 04 06 23.6–1.0 51.33N 16.10E 24–32 2.3L ¶610505901
LDG IV 06 04 06 25.1–.52 51.47N 16.31E 1 4.0L
IPEC IV 06 04 06 25.1–.36 51.54N 16.17E 1–1 3.1L
MCSM IV 06 04 06 25.2–1.1 52N–5.0 16E–9.0 5–2 3.4L
BGR IV 06 04 06 26.4–.47 51.48N 16.11E 1 3.3L
IDC IV 06 04 06 26.2–.88 51.46N 16.12E 0 3.4,3.4b
VIE IV 06 04 06 26.8 51.45N 16.02E 0 3.4b,2.9L
PRU IV 06 04 06 27.6–.00 51.39N 16.15E 0 3.4b,2.9L
ISC Event type sr.
DNK Error ellipse: s-maj=25.4km s-min=26.2km az=-1.0.
LDG Event type sr. Error ellipse: s-maj=12.2km s-min=4.7km az=11.0. Suspected Mining induced.
IPEC Event type ki. Error ellipse: s-maj=2.6km s-min=1.2km az=30.0.
BGR Event type ki. Error ellipse: s-maj=5.6km s-min=2.2km az=21.0.
IDC Error ellipse: s-maj=19.6km s-min=9.3km az=100.0.
VIE Event type sr. 79 km WNW of Wroclaw . Suspected Mining induced.
PRU Event type ki.
(326) Southwestern Siberia
NNC IV 06 05 25 23.9–8.2 54.36N 86.27E 0 3.5b,2.8
¶612037148
NNC Event type sm. Error ellipse: s-maj=77.5km s-min=41.5km az=173.0. Suspected Mining explosion.
(326) Southwestern Siberia
ISC IV 06 08 25 56.7–1.3 51.65N–.09 82.5E–.10 0 7 3-5
IDC IV 06 08 25 56.4–1.5 51.55N 82.59E 0 2.6,2.0L ¶610652059
NNC IV 06 08 26 04.2–2.0 51.26N 82.17E 0 2.8b,2.4
ISC Event type sm.
IDC Error ellipse: s-maj=17.1km s-min=12.7km az=126.0.
NNC Event type sm. Error ellipse: s-maj=20.1km s-min=9.4km az=20.0. Suspected Mining explosion.
(326) Southwestern Siberia
ISC IV 06 08 55 10.3–3.3 54.4N–.10 87.5E–.10 0 14 2-10
NNC IV 06 08 55 11.2–5.2 54.12N 87.68E 0 3.2b,2.9 ¶610652061
IDC IV 06 08 55 14.3–2.6 54.25N 87.33E 0 3.2,2.8L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=44.0km s-min=29.8km az=20.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=22.2km s-min=15.4km az=61.0.
(536) Sweden
ISC IV 06 10 30 44.1–.78 65.89N–.02 21.37E–.03 0 54 0-4
UPP IV 06 10 30 45.0–.10 65.86N 21.50E 0 2.8L ¶611910112
DNK IV 06 10 30 45.4–.35 65.86N 21.52E 0 2.8L
HEL IV 06 10 30 45.5–.20 65.87N 21.51E 0 1.3L
ISC Event type kh.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
DNK Event type kh. Error ellipse: s-maj=0.6km s-min=2.8km az=-1.0. Explosion.
HEL Event type kh. Error ellipse: s-maj=1.0km s-min=4.1km az=-1.0. Explosion.
(546) Austria
VIE IV 06 10 39 23.1 47.85N 14.21E 0 1.5L,1.1b
¶611626730
VIE Event type sm. 5 km NE of Klaus . Suspected Mining explosion.
(383) Northwestern Balkan Peninsula
LJU IV 06 10 39 33.3 46.07N 14.89E 0 0.4L
¶617153873
LJU Event type sh. Suspected explosion.
(721) Finland
HEL IV 06 10 44 44.9–.10 63.26N 26.77E 0 1.3L
¶615979490
HEL Event type kh. Error ellipse: s-maj=0.9km s-min=2.5km az=-1.0. Explosion.
(721) Finland
HEL IV 06 10 45 48.4–.10 60.38N 24.91E 0 1.1L
¶615979491
HEL Event type kh. Error ellipse: s-maj=1.0km s-min=1.9km az=-1.0. Explosion.
(536) Sweden
ISC IV 06 12 23 42.5–.72 58.79N–.02 14.04E–.02 0 59 0-12
UPP IV 06 12 23 44.1–.10 58.78N 13.98E 0 1.8L ¶610652076
DNK IV 06 12 23 44.5–1.2 58.79N 13.99E 0 2.3L,1.8L
IDC IV 06 12 23 47.2–2.9 59.13N 13.95E 0 3.5,2.3L
ISC Event type kh.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
DNK Event type kh. Error ellipse: s-maj=1.9km s-min=3.2km az=-1.0. Explosion.
IDC Error ellipse: s-maj=29.6km s-min=9.5km az=18.0.
(536) Sweden
ISC IV 06 17 05 39.8–.90 67.10N–.03 20.98E–.03 0 20 0-7
UPP IV 06 17 05 40.2–.10 67.08N 20.95E 0 2.3L ¶610652087
IDC IV 06 17 05 41.0–1.2 67.08N 21.05E 0 2.7,1.9L
ISC Event type si.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=20.4km s-min=9.3km az=100.0.
(724) Baltic States-Belarus-Northwestern Russia
ISC IV 07 10 37 10.2–.93 67.66N–.04 34.21E–.04 0 51 0-7
HEL IV 07 10 37 10.9–.10 67.68N 34.17E 0 2.0L ¶610652146
KOLA IV 07 10 37 11.2 67.69N 34.19E 0 2.3L
IDC IV 07 10 37 14.7–2.9 67.65N 33.45E 0 2.8,2.2L
ISC Event type kh.
HEL Event type kh. Error ellipse: s-maj=1.6km s-min=2.8km az=-1.0. Explosion.
KOLA Error ellipse: s-maj=6.2km s-min=1.8km az=140.0. Khibiny, mines Koashva, Nyurkpakh.
IDC Error ellipse: s-maj=32.6km s-min=11.2km az=72.0.
(541) Belgium
ISC IV 07 12 01 41.6–1.7 50.62N–.05 4.01E–.08 10 12 0-1
STR IV 07 12 01 42.2–1.3 51N–5.0 4E–11 5 1.7 ¶615386617
UCC IV 07 12 01 42.1–.76 50.60N 4.03E 8–2 1.9L
ISC Event type km.
STR Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=92.0. manual. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/haslach_taup-2.11. preliminary.
UCC Event type km. Mining explosion.
(536) Sweden
ISC IV 07 19 22 11.0–.78 67.78N–.02 20.24E–.03 0 43 0-11
HEL IV 07 19 22 10.8–.40 67.84N 20.11E 0 1.6L ¶610652175

UPP IV 07 19 22 11.1–.00 67.81N 20.23E 0 2.3L
IDC IV 07 19 22 12.9–1.1 67.77N 20.69E 0 3.4,1.8L
ISC Event type kh.
HEL Event type kh. Error ellipse: s-maj=2.4km s-min=8.4km az=-1.0. Explosion.
UPP Event type ki. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Confirmed Induced event.
IDC Error ellipse: s-maj=18.0km s-min=9.1km az=104.0.
(536) Sweden
ISC IV 07 23 29 02.9–.78 67.81N–.02 20.24E–.02 0 49 0-4
UPP IV 07 23 29 02.8–.00 67.82N 20.20E 0 2.5L ¶611910136
HEL IV 07 23 29 03.1–.20 67.80N 20.18E 0 1.6L
ISC Event type sh.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
HEL Event type sh. Error ellipse: s-maj=0.8km s-min=3.2km az=-1.0. Suspected explosion.
(326) Southwestern Siberia
ISC IV 08 04 07 39.0–4.0 53.7N–.10 90.7E–.20 0 13 3-9
IDC IV 08 04 07 41.2–3.4 53.50N 90.57E 0 3.2,2.7L ¶610652202
NNC IV 08 04 07 44.3–4.2 53.43N 90.38E 0 3.4b,3.1
ISC Event type sm.
IDC Error ellipse: s-maj=31.9km s-min=23.0km az=37.0.
NNC Event type sm. Error ellipse: s-maj=33.7km s-min=26.4km az=77.0. Suspected Mining explosion.
(329) Eastern Kazakhstan
NNC IV 08 07 31 41.0–.56 50.00N 78.74E 2–6 3.6b,3.3 ¶612037274
NNC Event type sm. Error ellipse: s-maj=5.2km s-min=4.0km az=74.0. Suspected Mining explosion.
(724) Baltic States-Belarus-Northwestern Russia
ISC IV 08 11 07 05.1–.97 67.56N–.03 30.50E–.04 0 49 0-6
HEL IV 08 11 07 05.9–.10 67.57N 30.41E 0 1.7L ¶610652221
IDC IV 08 11 07 08.3–2.3 67.52N 29.64E 0 2.8,1.6L
ISC Event type sh.
HEL Event type sh. Error ellipse: s-maj=1.0km s-min=2.5km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=34.1km s-min=8.2km az=78.0.
(460) Wyoming
ISC IV 08 12 55 53.2–1.2 44.46N–.05 105.45W–.06 0 31 1-19
IDC IV 08 12 55 51.9–3.0 44.47N 105.64W 0 3.2L,2.5 ¶610652227
NEIC IV 08 12 55 54.2–1.6 44.44N–.03 105.49W–.08 0–2 2.9L,2.5
ISC Event type sm.
NEIC Event type sm. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(548) Poland
ISC IV 08 16 42 42.5–.78 51.59N–.03 16.06E–.02 0 77 1-6
IPEC IV 08 16 42 42.1–.24 51.60N 16.21E 0 2.3L ¶610525083
PRU IV 08 16 42 43.8–.00 51.48N 16.15E 0 2.3L
VIE IV 08 16 42 43.7 51.50N 16.36E 0 2.7L,2.2b
DNK IV 08 16 42 44.1–1.0 51.66N 15.80E 0 1.9L,2.2b
UPP IV 08 16 42 47.2–3.1 51.80N 15.61E 0 1.9L,2.2b
ISC Event type sr.
IPEC Event type ki. Error ellipse: s-maj=2.0km s-min=1.1km az=37.0.
PRU Event type ki.
VIE Event type sr. 65 km NW of Wroclaw . Suspected Mining induced.
DNK Event type sh. Error ellipse: s-maj=9.2km s-min=32.5km az=-1.0. Suspected explosion.
UPP Error ellipse: s-maj=0.2km s-min=0.3km az=-1.0.
(548) Poland
ISC IV 08 22 23 11.4–.30 51.53N–.02 16.06E–.02 0 4.4b 650 1-125
MOS IV 08 22 23 10.9–.95 51.62N 16.10E 11 4.6b ¶610523736
BGS IV 08 22 23 10.7–2.1 51.87N 16.27E 10 4.6b,4.6L
IPEC IV 08 22 23 11.3–.26 51.61N 16.20E 1 4.0L,4.6L
DNK IV 08 22 23 11.2–1.5 51.57N 16.11E 0 3.9L,3.5L
MCSM IV 08 22 23 11.5–.60 52N–4.0 16E–4.0 6–2 4.5L,3.5L
NEIC IV 08 22 23 12.9–2.1 51.54N–.04 16.17E–.07 8–4 4.6b,3.5L
IDC IV 08 22 23 12.6–.41 51.52N 16.05E 0 4.2b,4.1
BGR IV 08 22 23 13.2–.34 51.51N 16.14E 1 4.3L,4.1
UPP IV 08 22 23 14.8–3.0 51.69N 15.58E 0 3.5L,4.1
VIE IV 08 22 23 14.1 51.41N 16.06E 0 4.2s,4.0L
BNS IV 08 22 23 14.5–.52 51.49N 16.13E 10 4.1L,4.0L
LDG IV 08 22 23 15.3–.10 51.54N 15.97E 1 4.6L,4.0L
BUG IV 08 22 23 16.8–.00 51.45N 16.05E 34–27 5.1L,4.9
ISC Event type sr.
MOS Error ellipse: s-maj=5.0km s-min=2.6km az=82.4.
BGS Error ellipse: s-maj=154.6km s-min=696.1km az=-1.0.
IPEC Event type ki. Error ellipse: s-maj=2.1km s-min=1.2km az=36.0.
DNK Event type sh. Error ellipse: s-maj=9.1km s-min=23.2km az=-1.0. Suspected explosion.
NEIC Event type se. Error ellipse: s-maj=7.1km s-min=4.4km az=55.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=8.2km s-min=5.8km az=93.0.
BGR Event type ki. Error ellipse: s-maj=4.4km s-min=2.2km az=18.0.
UPP Error ellipse: s-maj=0.2km s-min=0.3km az=-1.0.
VIE Event type sr. 75 km WNW of Wroclaw . Suspected Mining induced.
BNS Event type ke.
LDG Event type sr. Error ellipse: s-maj=2.3km s-min=1.6km az=6.0. Suspected Mining induced.
BUG Event type ki.
(329) Eastern Kazakhstan
ISC IV 09 07 07 32.2–.96 50.07N–.04 78.64E–.09 0 33 1-13
NNC IV 09 07 07 31.2–1.3 50.07N 78.03E 0 3.0b,2.6 ¶610652285
IDC IV 09 07 07 32.2–.98 50.05N 78.75E 0 2.7,2.3L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=17.4km s-min=4.7km az=103.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=13.4km s-min=6.0km az=66.0.
(536) Sweden
HEL IV 09 12 44 45.2–.30 67.88N 20.07E 0 1.0L ¶615979629
HEL Event type kh. Error ellipse: s-maj=1.3km s-min=5.8km az=-1.0. Explosion.
(724) Baltic States-Belarus-Northwestern Russia
HEL IV 09 12 45 14.1–.20 67.64N 33.75E 0 1.5L ¶615979630
HEL Event type sh. Error ellipse: s-maj=2.1km s-min=4.0km az=-1.0. Suspected explosion.
(724) Baltic States-Belarus-Northwestern Russia
HEL IV 09 20 08 32.6–.20 67.68N 33.60E 0 1.6L ¶615317306
HEL Event type kh. Error ellipse: s-maj=2.6km s-min=4.9km az=-1.0. Explosion.
(326) Southwestern Siberia
ISC IV 10 05 19 48.1–2.5 53.17N–.06 86.4E–.10 0 10 1-7
NNC IV 10 05 19 53.9–3.9 53.98N 86.48E 0 3.5b,2.7 ¶610652337
IDC IV 10 05 19 54.7–2.6 54.02N 86.41E 0 3.1,3.0L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=32.8km s-min=17.8km az=26.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=20.7km s-min=12.3km az=59.0.
(326) Southwestern Siberia
ISC IV 10 06 04 55.8–4.2 54.1N–.20 86.5E–.20 0 10 1-8
NNC IV 10 06 04 54.6–3.7 54.10N 86.55E 0 2.8b,2.6 ¶610652340
IDC IV 10 06 04 55.3–2.7 54.09N 86.44E 0 3.5L,3.4
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=29.2km s-min=16.8km az=23.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=21.2km s-min=12.5km az=57.0.
(326) Southwestern Siberia
ISC IV 10 06 11 50.3–4.3 54.4N–.20 86.8E–.20 0 13 1-8
NNC IV 10 06 11 50.1–3.2 54.47N 86.86E 0 3.0b,2.9 ¶610652343
IDC IV 10 06 11 51.8–3.0 54.30N 86.70E 0 2.9,2.6L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=38.6km s-min=19.1km az=164.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=23.0km s-min=14.6km az=56.0.
(326) Southwestern Siberia
ISC IV 10 06 36 19.1–4.0 54.2N–.20 86.5E–.10 0 11 1-8
NNC IV 10 06 36 18.7–4.0 54.23N 86.48E 0 2.6b,2.6 ¶610652344
IDC IV 10 06 36 20.4–2.5 54.15N 86.36E 0 2.8,2.6L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=33.4km s-min=20.2km az=9.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=19.3km s-min=11.8km az=61.0.
(326) Southwestern Siberia
ISC IV 10 07 17 08.7–3.1 53.6N–.10 87.8E–.20 0 14 2-10
IDC IV 10 07 17 08.9–2.4 53.53N 87.90E 0 3.4,2.9L ¶610652348
NNC IV 10 07 17 09.9–2.8 53.40N 87.73E 0 3.2b,2.9
ISC Event type sm.
IDC Error ellipse: s-maj=21.7km s-min=14.1km az=67.0.
NNC Event type sm. Error ellipse: s-maj=21.8km s-min=13.1km az=63.0. Suspected Mining explosion.
(326) Southwestern Siberia
ISC IV 10 07 22 14.0–4.2 54.1N–.20 90.7E–.20 0 12 3-12
NNC IV 10 07 22 15.6–2.8 53.85N 90.74E 0 3.8b,3.5 ¶610652349
IDC IV 10 07 22 16.7–3.2 53.75N 90.97E 0 3.5,3.0L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=23.1km s-min=17.8km az=28.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=27.7km s-min=23.4km az=46.0.
(326) Southwestern Siberia
ISC IV 10 07 51 11.4–3.6 53.8N–.10 86.1E–.20 0 11 1-7
IDC IV 10 07 51 06.0–2.7 53.96N 86.69E 0 2.9,2.6L ¶610652352
NNC IV 10 07 51 13.0–3.9 53.66N 86.17E 0 3.4b,2.5
ISC Event type sm.
IDC Error ellipse: s-maj=24.2km s-min=14.0km az=60.0.
NNC Event type sm. Error ellipse: s-maj=29.0km s-min=12.7km az=61.0. Suspected Mining explosion.
(383) Northwestern Balkan Peninsula
LJU IV 10 08 45 30.7 45.93N 14.18E 0 0.1L ¶611626769
LJU Event type sh. Suspected explosion.
(546) Austria
VIE IV 10 08 45 34.2 46.68N 13.79E 0 0.9L ¶617153877
VIE Event type km. 6 km S of Afritz . Mining explosion.
(460) Wyoming
ISC IV 10 20 04 53.0–.98 43.71N–.05 105.31W–.05 0 33 1-20
IDC IV 10 20 04 52.0–2.2 43.59N 105.40W 0 3.3,3.2L ¶610652407
NEIC IV 10 20 04 54.5–.91 43.69N–.04 105.33W–.07 0–2 3.3L,3.2L
ISC Event type sm.
NEIC Event type sm. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(23) British Columbia
ISC IV 10 22 39 40.4–.96 49.87N–.05 114.68W–.07 0 15 1-13
IDC IV 10 22 39 40.9–1.2 49.84N 115.14W 0 3.1L,2.9 ¶610652415
PGC IV 10 22 39 41.7–.05 49.77N 114.78W 0 2.8L,2.9
ISC Event type km.
IDC Error ellipse: s-maj=19.8km s-min=7.9km az=118.0.
PGC Event type km. Error ellipse: s-maj=1.1km s-min=1.4km az=-1.0. 77km Ene of Cranbrook, Bc British Columbia, Canada Mining explosion.
(536) Sweden
HEL IV 11 02 23 59.4–.30 67.84N 20.38E 0 1.2L ¶615979916
HEL Event type sh. Error ellipse: s-maj=1.6km s-min=6.8km az=-1.0. Suspected explosion.
(326) Southwestern Siberia
ISC IV 11 06 16 17.2–3.5 54.3N–.20 87.2E–.10 0 14 1-8
NNC IV 11 06 16 17.0–2.3 54.23N 87.26E 0 3.1b,2.9 ¶610652432
IDC IV 11 06 16 19.5–2.6 54.19N 87.05E 0 3.1,2.9L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=19.4km s-min=10.5km az=18.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=22.2km s-min=15.2km az=63.0.
(326) Southwestern Siberia
ISC IV 11 06 25 43.3–4.1 53.7N–.10 90.8E–.20 0 14 4-11
NNC IV 11 06 25 43.5–3.5 53.75N 90.69E 0 3.5b,3.2 ¶610652433
IDC IV 11 06 25 48.9–3.3 53.38N 90.44E 0 3.1,2.6L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=26.3km s-min=19.9km az=57.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=27.7km s-min=21.9km az=58.0.
(536) Sweden
ISC IV 11 12 58 10.8–.83 67.74N–.03 20.28E–.03 0 42 0-4
HEL IV 11 12 58 10.2–.30 67.80N 19.98E 0 1.7L ¶611910171
UPP IV 11 12 58 11.5–.10 67.82N 20.21E 0 2.6L
ISC Event type sh.
HEL Event type sh. Error ellipse: s-maj=1.1km s-min=5.1km az=-1.0. Suspected explosion.
UPP Event type ki. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Confirmed Induced event.
(456) Montana
ISC IV 11 19 18 02.7–.96 45.99N–.05 106.77W–.05 0 44 1-17
IDC IV 11 19 18 03.3–1.4 45.98N 107.14W 0 3.1,3.1L ¶610652490
NEIC IV 11 19 18 03.2–2.4 45.91N–.04 106.62W–.05 0–2 3.3L,3.1L
ISC Event type sm.
NEIC Event type sm. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(460) Wyoming
ISC IV 11 20 10 28.6–.71 43.84N–.06 105.27W–.07 0 4.1b 82 1-85
IDC IV 11 20 10 29.9–.93 44.02N 105.70W 0 3.9b,3.6 ¶610652494
NEIC IV 11 20 10 29.4–2.0 43.81N–.05 105.28W–.06 0–2 3.4L,3.6
ISC Event type sm.
NEIC Event type sm. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(548) Poland
PRU IV 11 21 35 45.7–.00 50.22N 18.99E 0 ¶611918244
PRU Event type ki.
(326) Southwestern Siberia
ISC IV 12 06 53 05.8–3.7 53.8N–.10 87.9E–.20 0 12 2-19
IDC IV 12 06 53 02.5–3.1 53.83N 88.20E 0 3.2,3.1L ¶610652525
NNC IV 12 06 53 05.3–2.0 53.64N 88.02E 0 3.5b,3.1
ISC Event type sm.
IDC Error ellipse: s-maj=27.0km s-min=16.6km az=55.0.
NNC Event type sm. Error ellipse: s-maj=15.3km s-min=8.1km az=61.0. Suspected Mining explosion.
(326) Southwestern Siberia
ISC IV 12 08 03 46.1–3.4 53.6N–.10 87.8E–.20 0 10 2-8
IDC IV 12 08 03 45.9–2.9 53.55N 87.80E 0 2.8,2.5L ¶610652532
NNC IV 12 08 03 48.2–2.6 53.46N 87.68E 0 2.8b,2.5
ISC Event type sm.
IDC Error ellipse: s-maj=26.0km s-min=15.5km az=62.0.
NNC Event type sm. Error ellipse: s-maj=22.3km s-min=11.2km az=53.0. Suspected Mining explosion.
(326) Southwestern Siberia
ISC IV 12 08 19 51.6–4.0 54.0N–.20 86.4E–.20 0 14 1-10
NNC IV 12 08 19 48.7–1.8 54.06N 86.61E 0 3.6b,3.4 ¶610652534
IDC IV 12 08 19 51.3–2.2 53.99N 86.52E 0 3.8,3.3L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=16.3km s-min=7.7km az=18.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=19.4km s-min=11.2km az=63.0.
(326) Southwestern Siberia
ISC IV 12 08 31 35.1–4.3 54.2N–.20 87.1E–.20 0 11 1-8
IDC IV 12 08 31 34.7–3.2 54.20N 87.25E 0 3.2,3.2L ¶610652536
NNC IV 12 08 31 35.0–2.1 54.18N 87.17E 0 3.2b,3.0
ISC Event type sm.
IDC Error ellipse: s-maj=26.7km s-min=16.2km az=62.0.
NNC Event type sm. Error ellipse: s-maj=19.8km s-min=10.6km az=11.0. Suspected Mining explosion.
(723) Finland-Karelia border region
ISC IV 12 10 13 06.2–.94 64.81N–.02 30.73E–.05 0 71 1-10
HEL IV 12 10 13 05.9–.20 64.76N 30.70E 0 2.0L ¶610652545

BER IV 12 10 13 06.8–2.2 64.75N 30.58E 0 2.0L,1.7L
IDC IV 12 10 13 07.3–2.4 64.72N 31.00E 0 2.9,2.1L
KOLA IV 12 10 13 07.0 64.74N 31.02E 0 2.3L,2.1L
UPP IV 12 10 13 09.1–3.0 65.03N 30.73E 0 1.8L,2.1L
ISC Event type sh.
HEL Event type sh. Error ellipse: s-maj=0.9km s-min=3.9km az=-1.0. Suspected explosion.
BER Event type sh. Error ellipse: s-maj=4.5km s-min=14.6km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=35.9km s-min=8.6km az=101.0.
KOLA Kostomuksha, Karelia.
UPP Error ellipse: s-maj=0.2km s-min=0.5km az=-1.0.
(721) Finland
ISC IV 13 11 30 47.6–.76 63.91N–.03 28.09E–.03 0 59 1-8
IDC IV 13 11 30 48.7–1.8 63.87N 28.35E 0 2.9,1.8L **¶610652633**
HEL IV 13 11 30 48.3–.10 63.99N 28.11E 0 1.6L,1.8L
UPP IV 13 11 30 49.4–2.7 63.90N 27.90E 0 1.7L,1.8L
KOLA IV 13 11 30 53.7 64.62N 31.90E 0 1.9L,1.8L
ISC Event type sh.
IDC Error ellipse: s-maj=31.9km s-min=7.9km az=100.0.
HEL Event type sh. Error ellipse: s-maj=1.0km s-min=1.9km az=-1.0. Suspected explosion.
UPP Error ellipse: s-maj=0.1km s-min=0.4km az=-1.0.
KOLA Karelia.
(326) Southwestern Siberia
NNC IV 14 06 22 34.9–4.2 53.76N 90.46E 0 3.6b,3.3
¶612037565
NNC Event type sm. Error ellipse: s-maj=30.2km s-min=24.5km az=55.0. Suspected Mining explosion.
(326) Southwestern Siberia
ISC IV 14 09 30 56.4–4.1 54.2N–.20 87.1E–.20 0 14 1-10
NNC IV 14 09 30 56.7–2.1 54.23N 87.13E 0 3.5b,3.2 **¶610652707**
IDC IV 14 09 30 57.3–2.4 54.11N 87.17E 0 3.4,2.8L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=18.7km s-min=11.8km az=8.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=21.6km s-min=14.2km az=67.0.
(326) Southwestern Siberia
ISC IV 14 09 38 48.6–3.7 53.6N–.10 89.6E–.20 0 13 3-8
IDC IV 14 09 38 45.0–3.0 53.67N 89.94E 0 3.6,3.1L **¶610652709**
NNC IV 14 09 38 46.0–6.5 53.26N 90.06E 0 3.5b,3.2
ISC Event type sm.
IDC Error ellipse: s-maj=26.2km s-min=20.9km az=59.0.
NNC Event type sm. Error ellipse: s-maj=50.6km s-min=36.7km az=63.0. Suspected Mining explosion.
(723) Finland-Karelia border region
ISC IV 14 10 00 24.1–1.1 64.71N–.03 30.89E–.07 0 25 1-10
HEL IV 14 10 00 25.2–.30 64.68N 30.77E 0 1.8L **¶610652717**
KOLA IV 14 10 00 25.4 64.58N 31.22E 0 2.0L
IDC IV 14 10 00 26.9–2.3 64.65N 30.90E 0 2.8,2.0L
ISC Event type kh.
HEL Event type kh. Error ellipse: s-maj=1.0km s-min=2.9km az=-1.0. Explosion.
KOLA Error ellipse: s-maj=34.1km s-min=19.7km az=150.0. Karelia.
IDC Error ellipse: s-maj=34.4km s-min=8.4km az=102.0.
(536) Sweden
ISC IV 14 12 01 31.7–.76 67.82N–.02 20.25E–.03 0 57 0-10
HEL IV 14 12 01 31.6–.20 67.78N 20.13E 0 1.7L **¶610652724**
UPP IV 14 12 01 31.8–.00 67.82N 20.21E 0 2.0L
IDC IV 14 12 01 32.7–1.0 67.81N 20.89E 0 3.2,1.9L
ISC Event type sh.
HEL Event type sh. Error ellipse: s-maj=0.9km s-min=3.5km az=-1.0. Suspected explosion.
UPP Event type ki. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Confirmed Induced event.
IDC Error ellipse: s-maj=15.7km s-min=7.2km az=115.0.
(366) Turkey
ISK IV 14 13 14 00.9 40.36N 27.24E 0–0 1.4L
¶610922423
ISK Event type sm. Suspected Mining explosion.
(536) Sweden
ISC IV 14 23 59 48.7–.73 67.16N–.02 20.73E–.03 0 52 0-8
IDC IV 14 23 59 50.0–.94 67.14N 20.68E 0 2.8,2.0L **¶615980084**
HEL IV 14 23 59 49.9 67.18N 20.59E 0 2.0L,2.0L
UPP IV 14 23 59 49.6–.00 67.18N 20.64E 0 2.1L,2.0L
ISC Event type ki.
IDC Error ellipse: s-maj=18.1km s-min=8.1km az=119.0.
HEL Event type ki. Confirmed Induced event.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
(329) Eastern Kazakhstan
ISC IV 15 07 03 01.6–.86 50.04N–.05 78.68E–.06 0 20 1-6
NNC IV 15 07 03 00.7–.69 50.04N 78.76E 2–8 3.3b,2.9 **¶610652779**
IDC IV 15 07 03 01.8–.93 50.06N 78.81E 0 3.0,2.4L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=12.2km s-min=5.0km az=62.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=13.4km s-min=6.4km az=59.0.
(724) Baltic States-Belarus-Northwestern Russia
ISC IV 15 11 14 48.6–.89 67.51N–.03 30.46E–.03 0 38 0-6
BER IV 15 11 14 48.0–1.2 67.37N 31.03E 0 1.5L **¶610652791**
HEL IV 15 11 14 48.9–.00 67.56N 30.44E 0 1.8L
KOLA IV 15 11 14 50.0 67.48N 30.48E 0 2.1L
IDC IV 15 11 14 51.8–2.3 67.62N 29.84E 0 2.5,1.6L
ISC Event type kh.
BER Event type sh. Error ellipse: s-maj=7.4km s-min=25.0km az=-1.0. Suspected explosion.
HEL Event type kh. Error ellipse: s-maj=0.4km s-min=0.4km az=-1.0. Explosion.
KOLA Murmansk region, Kovdor district.
IDC Error ellipse: s-maj=39.0km s-min=11.6km az=70.0.
(460) Wyoming
ISC IV 15 20 03 35.5–.85 43.78N–.07 105.29W–.07 0 4.1b 45 1-90
IDC IV 15 20 03 34.3–1.8 43.60N 105.32W 0 3.9b,3.5 **¶610652818**
NEIC IV 15 20 03 36.1–1.3 43.74N–.06 105.28W–.08 0–2 3.3L,3.5
ISC Event type sm.
NEIC Event type sm. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(724) Baltic States-Belarus-Northwestern Russia
HEL IV 16 20 03 58.5–.30 67.79N 33.67E 0 1.3L
¶615980156
HEL Event type kh. Error ellipse: s-maj=5.6km s-min=6.3km az=-1.0. Explosion.
(536) Sweden
ISC IV 16 23 46 41.8–.81 67.82N–.02 20.22E–.03 0 47 0-8
HEL IV 16 23 46 40.9–.30 67.86N 20.10E 0 1.8L **¶610652896**
UPP IV 16 23 46 41.4–.00 67.82N 20.20E 0 2.3L
IDC IV 16 23 46 42.7–1.2 67.82N 20.78E 0 2.7,1.8L
ISC Event type sh.
HEL Event type sh. Error ellipse: s-maj=1.2km s-min=5.9km az=-1.0. Suspected explosion.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=18.5km s-min=7.0km az=120.0.
(713) Central Kazakhstan
ISC IV 17 11 09 16.5–2.0 43.59N–.07 69.90E–.09 0 24 1-5
SOME IV 17 11 09 16.8 43.48N 69.72E **¶612037707**
NNC IV 17 11 09 18.4–1.3 43.50N 69.75E 0 3.5b,3.2
KRNET IV 17 11 09 19.0–.10 43.37N 69.74E 2.8b,3.2
ISC Event type sm.
SOME Event type kx.
NNC Event type sm. Error ellipse: s-maj=8.5km s-min=3.4km az=124.0. Suspected Mining explosion.
(390) Southern Italy
ROM IV 18 07 24 30.7–.35 40.93N–.02 16.66E–.02 0 1.7L
¶614396820
ROM Event type sm. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
(721) Finland
HEL IV 18 09 01 14.4–.30 60.15N 23.93E 0 1.2L
¶615980238
HEL Event type kh. Error ellipse: s-maj=3.5km s-min=2.6km az=-1.0. Explosion.
(724) Baltic States-Belarus-Northwestern Russia
EST IV 18 09 01 39.4–.10 58.90N 24.70E 0 0.9L
¶617153880
EST Event type kh. Error ellipse: s-maj=0.5km s-min=0.6km az=-1.0. Explosion.
(724) Baltic States-Belarus-Northwestern Russia
ISC IV 18 13 55 53.1–.79 68.08N–.03 33.33E–.03 0 35 0-7
HEL IV 18 13 55 49.6–.90 68.61N 33.48E 0 1.7L **¶610652984**
KOLA IV 18 13 55 54.6 68.03N 33.36E 0 2.1L
IDC IV 18 13 55 55.6–3.2 68.23N 33.19E 0 2.9,1.9L
ISC Event type kh.
HEL Event type kh. Error ellipse: s-maj=6.9km s-min=9.6km az=-1.0. Explosion.
KOLA Error ellipse: s-maj=2.3km s-min=2.2km az=50.0. Murmansk region, Olenegorsk district.
IDC Error ellipse: s-maj=36.0km s-min=13.1km az=67.0.
(548) Poland
ISC IV 18 16 13 04.6–.78 51.48N–.03 16.23E–.02 0 72 1-5
IPEC IV 18 16 13 05.7–.25 51.42N 16.31E 1 2.5L **¶610544315**
VIE IV 18 16 13 05.6 51.41N 16.24E 0 3.0L,2.5b
PRU IV 18 16 13 06.9–.00 51.39N 16.22E 0 3.0L,2.5b
DNK IV 18 16 13 06.9–1.9 51.53N 16.33E 14–85 2.9L,2.5b
ISC Event type sr.
IPEC Event type ki. Error ellipse: s-maj=1.9km s-min=1.0km az=30.0.
VIE Event type sr. 64 km NW of Wroclaw . Suspected Mining induced.
PRU Event type ki.
DNK Error ellipse: s-maj=75.5km s-min=54.6km az=-1.0.
(460) Wyoming
ISC IV 18 19 15 07.2–.00 43.62N–.05 105.27W–.05 0 59 1-20
IDC IV 18 19 15 06.8–2.0 43.48N 105.33W 0 3.1,2.7L **¶610653006**
NEIC IV 18 19 15 07.9–1.2 43.65N–.05 105.24W–.05 0–2 3.4L,2.7L
ISC Event type sm.
NEIC Event type sm. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(536) Sweden
HEL IV 18 19 58 35.4–.30 67.91N 20.07E 0 1.2L
¶615980276
HEL Event type kh. Error ellipse: s-maj=1.2km s-min=5.1km az=-1.0. Explosion.
(329) Eastern Kazakhstan
ISC IV 19 12 38 38.4–1.0 50.30N–.06 79.54E–.07 0 10 1-5
NNC IV 19 12 38 36.7–1.4 50.20N 79.62E 0 2.8b,2.5 **¶610653048**
IDC IV 19 12 38 41.5–1.1 50.05N 78.77E 0 2.6,2.1L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=30.2km s-min=6.4km az=42.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=13.4km s-min=6.7km az=63.0.
(536) Sweden
ISC IV 19 17 02 30.0–.75 67.06N–.02 20.95E–.03 0 59 0-11
IDC IV 19 17 02 30.9–.85 67.00N 21.18E 0 3.3,2.1L **¶610653061**
UPP IV 19 17 02 30.2–.10 67.05N 20.97E 0 2.5L,2.1L
HEL IV 19 17 02 30.5–.30 67.05N 20.99E 0 2.2L,2.1L
ISC Event type kh.
IDC Error ellipse: s-maj=14.2km s-min=7.7km az=108.0.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
HEL Event type kh. Error ellipse: s-maj=1.2km s-min=6.2km az=-1.0. Explosion.
(456) Montana
ISC IV 19 19 08 04.2–.93 45.95N–.05 106.74W–.05 0 42 1-8
IDC IV 19 19 08 04.3–1.6 45.71N 106.58W 0 3.1,2.9L **¶610653066**
NEIC IV 19 19 08 05.0–2.1 45.93N–.04 106.66W–.06 0–2 3.3L,2.9L
ISC Event type sm.
NEIC Event type sm. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(536) Sweden
ISC IV 19 19 56 30.6–.75 67.80N–.02 20.24E–.02 0 50 0-8
HEL IV 19 19 56 30.9–.10 67.81N 20.14E 0 1.9L **¶610653070**
UPP IV 19 19 56 30.9–.00 67.82N 20.21E 0 2.6L
IDC IV 19 19 56 32.5–1.3 67.79N 20.62E 0 2.8,2.0L
ISC Event type kh.
HEL Event type kh. Error ellipse: s-maj=0.7km s-min=2.9km az=-1.0. Explosion.
UPP Event type ki. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Confirmed Induced event.
IDC Error ellipse: s-maj=21.9km s-min=9.3km az=118.0.
(536) Sweden
ISC IV 20 08 51 18.6–.87 59.76N–.03 17.57E–.03 0 33 0-5
UPP IV 20 08 51 19.6–.00 59.83N 17.52E 0 1.7L **¶611910239**
HEL IV 20 08 51 19.3–.20 59.69N 17.55E 0 1.7L
ISC Event type kh.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
HEL Event type kh. Error ellipse: s-maj=2.1km s-min=1.5km az=-1.0. Explosion.
(538) France
STR IV 20 08 51 57.3–.72 47N–3.0 6E–5.0 0 1.8
¶615491733
STR Event type sm. manual. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/haslach_taup-2.11. preliminary.
(721) Finland
HEL IV 20 08 56 34.5–.10 62.27N 26.06E 0 1.5L
¶615980336
HEL Event type kh. Error ellipse: s-maj=1.0km s-min=2.5km az=-1.0. Explosion.
(320) Kyrgyzstan-Xinjiang border region
NNC IV 20 09 04 31.8–2.4 41.77N 78.25E 0 3.1b,2.8
¶612037856
NNC Event type sm. Error ellipse: s-maj=16.9km s-min=7.9km az=177.0. Suspected Mining explosion.
(329) Eastern Kazakhstan
ISC IV 20 09 41 25.9–1.4 51.7N–.10 75.40E–.09 10 6 2-7
IDC IV 20 09 41 25.5–1.2 51.81N 75.45E 0 2.6,1.8L **¶610653108**
ISC Event type ke.
IDC Error ellipse: s-maj=38.1km s-min=9.5km az=28.0.
(543) Germany
VIE IV 20 10 08 24.1 48.73N 10.20E 0 2.0L,1.9b
¶611626972
VIE Event type sm. 25 km WSW of Noerdlingen . Suspected Mining explosion.
(335) Ural Mountains region
ISC IV 20 11 31 56.8–1.8 56.97N–.07 61.45E–.09 10 21 0-8
MIRAS IV 20 11 31 57.0 56.92N 61.45E 0 2.7L **¶612037877**
ISC Event type ke.
(460) Wyoming
ISC IV 20 19 42 41.3–1.3 43.88N–.06 105.25W–.05 0 33 1-19
NEIC IV 20 19 42 42.4–1.0 43.86N–.07 105.30W–.07 0–2 3.3L **¶610653130**
IDC IV 20 19 42 42.3–2.4 43.10N 105.07W 0 3.2L,3.1
ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=12.1km s-min=6.9km az=334.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=47.6km s-min=10.5km az=154.0.
(326) Southwestern Siberia
ISC IV 21 06 52 26.5–3.8 53.9N–.10 91.1E–.20 0 14 4-12
IDC IV 21 06 52 32.3–3.8 53.47N 90.74E 0 3.6,3.0L **¶610653167**
NNC IV 21 06 52 33.0–4.4 53.37N 91.02E 0 3.9b,3.6
ISC Event type sm.
IDC Error ellipse: s-maj=37.5km s-min=25.1km az=52.0.
NNC Event type sm. Error ellipse: s-maj=34.4km s-min=21.7km az=66.0. Suspected Mining explosion.
(329) Eastern Kazakhstan
ISC IV 21 07 30 04.1–1.5 50.03N–.07 78.7E–.20 0 27 1-5
NNC IV 21 07 30 02.8–.70 50.01N 78.69E 0 2.7b,2.4 **¶610653172**
IDC IV 21 07 30 04.6–4.0 50.04N 78.77E 0 2.7,2.3L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=19.2km s-min=2.8km az=73.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=47.9km s-min=18.9km az=94.0.
(536) Sweden
HEL IV 21 12 17 08.1–.70 67.95N 20.15E 0 0.9L
¶615980385
HEL Event type sh. Error ellipse: s-maj=3.6km s-min=14.7km az=-1.0. Suspected explosion.

(547) Czech and Slovak Republics
ISC IV 21 17 36 27.6–.85 49.84N–.04 18.54E–.02 0 32 0-3
VIE IV 21 17 36 27.9 49.75N 18.58E 0 2.5b,1.9L ¶610547838
IPEC IV 21 17 36 28.3–.17 49.82N 18.57E 1–3 1.8L,1.9L
PRU IV 21 17 36 29.7–.00 49.83N 18.49E 0 1.8L,1.9L
ISC Event type sr.
VIE Event type sr. 26 km ESE of Ostrava . Suspected Mining induced.
IPEC Event type ki. Error ellipse: s-maj=1.7km s-min=1.1km az=164.0.
PRU Event type ki. Mining Induced Event Csm, E=1.9e+04.
(460) Wyoming
ISC IV 21 20 07 35.8–.89 43.72N–.05 105.28W–.05 0 53 1-90
IDC IV 21 20 07 35.8–2.0 43.71N 105.52W 0 3.5b,3.4L ¶610653218
NEIC IV 21 20 07 37.0–1.3 43.71N–.05 105.30W–.05 0–2 3.1L,3.4L
ISC Event type sm.
NEIC Event type sm. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(536) Sweden
ISC IV 22 00 19 05.4–.54 67.80N–.02 20.31E–.02 0 3.6b 77 0-75
IDC IV 22 00 19 06.5–.59 67.81N 20.39E 0 3.4,3.4b ¶610653228
HEL IV 22 00 19 06.9–.00 67.84N 20.21E 1 3.0L,2.3L
UPP IV 22 00 19 06.4–.00 67.84N 20.21E 0 3.0L,2.3L
DNK IV 22 00 19 06.7–.24 67.84N 20.21E 0 3.0L,2.3L
ISC Event type sh.
IDC Error ellipse: s-maj=11.8km s-min=6.5km az=112.0.
HEL Event type ki. Error ellipse: s-maj=0.2km s-min=0.2km az=-1.0. Confirmed Induced event.
UPP Event type ki. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Confirmed Induced event.
DNK Event type sh. Error ellipse: s-maj=0.5km s-min=1.7km az=-1.0. Suspected explosion.
(326) Southwestern Siberia
ISC IV 22 07 42 43.4–4.1 53.6N–.10 90.3E–.20 0 14 3-12
IDC IV 22 07 42 42.0–2.9 53.49N 90.54E 0 3.4,3.0L ¶610653246
NNC IV 22 07 42 43.7–1.9 53.53N 90.51E 0 3.9b,3.6
ISC Event type sm.
IDC Error ellipse: s-maj=25.5km s-min=18.7km az=59.0.
NNC Event type sm. Error ellipse: s-maj=15.3km s-min=11.0km az=79.0. Suspected Mining explosion.
(724) Baltic States-Belarus-Northwestern Russia
HEL IV 22 11 11 23.3–.10 67.57N 30.36E 0 1.7L
UPP IV 22 11 11 18.3–2.7 67.54N 31.44E 0 1.8L ¶611910262
KOLA IV 22 11 11 25.4 67.56N 30.65E 0 2.0L
HEL Event type sh. Error ellipse: s-maj=0.7km s-min=1.8km az=-1.0. Suspected explosion.
UPP Error ellipse: s-maj=0.1km s-min=0.5km az=-1.0.
KOLA Error ellipse: s-maj=9.5km s-min=4.5km az=10.0. Murmansk region, Kovdor district.
(536) Sweden
HEL IV 22 20 18 00.3–.50 67.88N 19.87E 0 1.4L ¶615980438
HEL Event type kh. Error ellipse: s-maj=2.0km s-min=9.6km az=-1.0. Explosion.
(536) Sweden
ISC IV 22 23 49 38.8–.83 67.79N–.03 20.24E–.03 0 33 0-4
HEL IV 22 23 49 38.4–.20 67.82N 20.04E 0 1.1L ¶611910265
UPP IV 22 23 49 39.0–.00 67.82N 20.21E 0 2.5L
ISC Event type sh.
HEL Event type sh. Error ellipse: s-maj=1.0km s-min=4.6km az=-1.0. Suspected explosion.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
(536) Sweden
ISC IV 22 23 52 24.8–.84 67.82N–.03 20.24E–.03 0 35 0-3
UPP IV 22 23 52 24.9–.00 67.83N 20.20E 0 2.7L ¶611910269
HEL IV 22 23 52 25.0–.20 67.83N 20.12E 0 1.6L
ISC Event type sh.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
HEL Event type sh. Error ellipse: s-maj=0.8km s-min=3.9km az=-1.0. Suspected explosion.
(536) Sweden
ISC IV 23 05 45 09.5–.80 67.80N–.02 20.24E–.02 0 45 0-4
UPP IV 23 05 45 09.5–.10 67.82N 20.21E 0 2.5L ¶611910274
HEL IV 23 05 45 09.8–.10 67.81N 20.17E 0 1.6L
ISC Event type kh.
UPP Event type ki. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Confirmed Induced event.
HEL Event type kh. Error ellipse: s-maj=0.6km s-min=2.4km az=-1.0. Explosion.
(329) Eastern Kazakhstan
ISC IV 23 07 23 59.6–.97 50.03N–.07 78.71E–.09 0 12 1-6
NNC IV 23 07 23 58.7–.68 50.01N 78.73E 0 3.0b,2.6 ¶610649804
IDC IV 23 07 23 59.7–.84 50.07N 78.83E 0 2.8,2.1L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=14.5km s-min=3.5km az=74.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=10.9km s-min=6.0km az=56.0.
(536) Sweden
HEL IV 23 20 04 42.4–.60 67.80N 19.97E 0 1.0L ¶615980473
HEL Event type kh. Error ellipse: s-maj=2.2km s-min=11.4km az=-1.0. Explosion.
(326) Southwestern Siberia
NNC IV 24 04 53 02.8–1.4 54.06N 86.30E 0 3.5b,2.6 ¶612038012
NNC Event type sm. Error ellipse: s-maj=15.0km s-min=6.4km az=7.0. Suspected Mining explosion.
(326) Southwestern Siberia
ISC IV 24 06 32 06.6–1.0 51.48N–.07 81.90E–.07 0 9 2-5
NNC IV 24 06 32 07.0–2.5 51.29N 81.99E 0 3.0b,2.5 ¶610649861
IDC IV 24 06 32 09.2–1.8 51.18N 81.62E 0 2.2,1.7L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=24.7km s-min=13.0km az=17.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=17.8km s-min=13.6km az=12.0.
(326) Southwestern Siberia
ISC IV 24 09 13 32.8–3.5 53.5N–.10 87.6E–.20 0 14 2-8
IDC IV 24 09 13 31.9–2.7 53.53N 87.72E 0 3.5,3.2L ¶610649877
NNC IV 24 09 13 32.9–2.0 53.43N 87.60E 0 3.4b,3.0
ISC Event type sm.
IDC Error ellipse: s-maj=23.0km s-min=14.0km az=60.0.
NNC Event type sm. Error ellipse: s-maj=16.4km s-min=7.9km az=67.0. Suspected Mining explosion.
(546) Austria
VIE IV 24 14 44 55.1 47.90N 15.79E 0 0.5L,-0.4b ¶611627025
VIE Event type sm. 4 km E of Rohr im Gebirge . Suspected Mining explosion.
(536) Sweden
ISC IV 24 17 01 19.0–.85 67.08N–.03 20.92E–.03 0 23 0-11
UPP IV 24 17 01 18.5–.10 67.08N 20.93E 0 2.5L ¶610649911
IDC IV 24 17 01 20.6–.98 67.04N 21.45E 0 3.2,2.3L
ISC Event type si.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=19.2km s-min=9.1km az=99.0.
(456) Montana
ISC IV 24 19 09 44.7–.85 45.93N–.05 106.60W–.05 0 39 1-17
IDC IV 24 19 09 45.0–1.1 45.92N 106.88W 0 3.2,3.0L ¶610649917
NEIC IV 24 19 09 46.1–3.1 45.94N–.07 106.58W–.08 0–2 3.2L,3.0L
ISC Event type sm.
NEIC Event type sm. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(460) Wyoming
ISC IV 24 23 06 36.9–.87 43.91N–.06 105.38W–.05 0 20 1-89
IDC IV 24 23 06 36.8–.97 43.87N 105.56W 0 3.8b,3.3 ¶610649934
NEIC IV 24 23 06 36.5–1.8 43.91N–.03 105.34W–.07 0–2 3.2L,3.3
ISC Event type sm.
NEIC Event type sm. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(326) Southwestern Siberia
ISC IV 25 06 55 00.8–4.3 54.2N–.20 86.3E–.20 0 9 1-8
NNC IV 25 06 54 56.9–2.5 54.57N 86.39E 0 2.8b,2.7 ¶610649958
IDC IV 25 06 55 00.6–2.4 54.11N 86.45E 0 3.3,3.0L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=79.1km s-min=13.2km az=150.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=19.6km s-min=11.6km az=61.0.
(326) Southwestern Siberia
ISC IV 25 07 09 57.3–5.0 53.9N–.20 87.4E–.30 35 7 2-8
IDC IV 25 07 09 58.6–2.6 53.67N 86.82E 0 3.3,2.4L ¶610649959
ISC Event type ke.
IDC Error ellipse: s-maj=23.1km s-min=12.7km az=75.0.
(329) Eastern Kazakhstan
ISC IV 25 07 26 24.1–1.1 49.96N–.06 78.86E–.10 0 25 1-5
NNC IV 25 07 26 23.8–.39 50.00N 78.95E 0 3.1b,2.7 ¶610649960
IDC IV 25 07 26 27.1–3.9 50.04N 78.89E 0 2.6,2.4L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=7.4km s-min=2.0km az=70.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=48.2km s-min=18.6km az=93.0.
(326) Southwestern Siberia
ISC IV 25 08 14 04.9–4.9 53.8N–.20 87.1E–.30 0 8 1-8
NNC IV 25 08 14 06.3–1.4 53.66N 86.92E 0 2.6b,2.4 ¶610649965
IDC IV 25 08 14 07.3–2.6 53.70N 86.85E 0 2.8,2.2L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=12.0km s-min=7.8km az=36.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=23.2km s-min=13.0km az=73.0.
(326) Southwestern Siberia
ISC IV 25 08 50 46.5–2.5 54.6N–.20 83.67E–.07 10 7 1-8
IDC IV 25 08 50 46.2–1.6 54.65N 83.75E 0 2.8,2.3L ¶610649968
ISC Event type ke.
IDC Error ellipse: s-maj=14.8km s-min=9.8km az=9.0.
(326) Southwestern Siberia
ISC IV 25 08 55 00.7–3.0 54.2N–.20 85.9E–.10 0 9 1-9
NNC IV 25 08 54 54.7–2.2 54.72N 85.81E 0 3.6b,2.6 ¶610649969
IDC IV 25 08 54 58.7–2.2 54.26N 86.17E 0 3.2,2.7L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=73.1km s-min=16.1km az=128.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=18.8km s-min=10.8km az=60.0.
(326) Southwestern Siberia
ISC IV 25 09 56 04.8–1.2 51.26N–.06 81.64E–.07 0 8 2-4
NNC IV 25 09 56 00.3–2.5 51.38N 82.02E 0 2.9b,2.4 ¶610649977
IDC IV 25 09 56 04.4–1.8 51.27N 81.60E 0 2.3,2.0L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=23.9km s-min=11.8km az=21.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=18.2km s-min=14.2km az=177.0.
(329) Eastern Kazakhstan
ISC IV 25 13 12 38.1–.84 49.97N–.04 78.57E–.06 0 33 1-6
NNC IV 25 13 12 36.8–.34 50.00N 78.76E 0 3.3b,2.7 ¶610649989
IDC IV 25 13 12 39.0–.82 50.09N 78.80E 0 2.6,2.0L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=5.1km s-min=1.8km az=77.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=11.9km s-min=5.8km az=58.0.
(547) Czech and Slovak Republics
ISC IV 25 17 10 34.9–.70 49.82N–.03 18.53E–.02 0 56 0-12
IDC IV 25 17 10 35.5–1.2 49.66N 18.61E 0 3.0,2.6L ¶610575455
IPEC IV 25 17 10 35.4–.17 49.82N 18.57E 1 2.2L,2.6L
VIE IV 25 17 10 35.0 49.71N 18.58E 0 2.5b,2.3L
PRU IV 25 17 10 36.2–.00 49.81N 18.46E 0 2.5b,2.3L
ISC Event type sr.
IDC Error ellipse: s-maj=29.4km s-min=9.4km az=158.0.
IPEC Event type ki. Error ellipse: s-maj=1.7km s-min=1.1km az=163.0.
VIE Event type sr. 27 km ESE of Ostrava . Suspected Mining induced.
PRU Event type ki. Mining Induced Event Csm, E=3.4e+05.
(536) Sweden
HEL IV 25 22 02 49.2–.30 67.16N 20.60E 0 1.0L ¶617153892
HEL Event type sh. Error ellipse: s-maj=1.6km s-min=6.3km az=-1.0. Suspected explosion.
(547) Czech and Slovak Republics
ISC IV 25 22 33 05.3–.75 49.82N–.03 18.50E–.02 0 62 0-4
VIE IV 25 22 33 04.9 49.74N 18.60E 0 2.6L,2.3b ¶610554489
IPEC IV 25 22 33 05.7–.16 49.83N 18.57E 1 2.2L,2.3b
PRU IV 25 22 33 05.6–.00 49.83N 18.57E 0 2.2L,2.3b
ISC Event type sr.
VIE Event type sr. 28 km ESE of Ostrava . Suspected Mining induced.
IPEC Event type ki. Error ellipse: s-maj=1.7km s-min=1.1km az=163.0.
PRU Event type ki. Mining Induced Event Csm, E=1.1e+06.
(716) Kyrgyzstan
ISC IV 26 03 51 39.4–1.2 42.25N–.03 71.43E–.02 6–11 39 1-4
KRNET IV 26 03 51 39.5–.10 42.24N 71.45E 13 2.8b ¶610554507
SOME IV 26 03 51 39.6 42.25N 71.57E 0 2.8b
ISC Event type ke.
(329) Eastern Kazakhstan
ISC IV 26 07 10 01.5–1.2 50.17N–.07 79.40E–.07 0 26 1-5
NNC IV 26 07 10 03.9–.53 50.03N 78.93E 0 3.6b,3.1 ¶610650035
IDC IV 26 07 10 05.7–1.3 50.08N 78.74E 0 3.4,2.5L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=9.6km s-min=2.6km az=69.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=17.9km s-min=7.5km az=64.0.
(548) Poland
ISC IV 26 07 39 21.1–.78 51.48N–.04 16.13E–.03 0 61 1-60
IPEC IV 26 07 39 21.3–.24 51.52N 16.19E 1 2.5L ¶610575473
IDC IV 26 07 39 22.8–.89 51.45N 15.97E 0 3.3s,3.3b
PRU IV 26 07 39 23.1–.00 51.44N 16.10E 0 3.3s,3.3b
ISC Event type ki.
IPEC Event type ki. Error ellipse: s-maj=2.0km s-min=1.1km az=36.0.
IDC Error ellipse: s-maj=17.0km s-min=8.8km az=113.0.
PRU Event type ki.
(326) Southwestern Siberia
ISC IV 26 08 12 22.5–3.3 53.6N–.10 87.7E–.20 0 11 2-8
NNC IV 26 08 12 22.9–2.5 53.47N 87.77E 0 3.2b,2.9 ¶610650040
IDC IV 26 08 12 22.3–2.8 53.59N 87.82E 0 3.1,2.7L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=21.0km s-min=11.4km az=59.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=23.2km s-min=15.6km az=64.0.
(366) Turkey
DDA IV 26 09 46 05.0–.00 38.58N 27.23E 7–5 1.7L
ISK IV 26 09 46 04.3 38.59N 27.26E 0–0 1.9L ¶610923397
ISK Event type sm. Suspected Mining explosion.
(724) Baltic States-Belarus-Northwestern Russia
ISC IV 26 10 17 46.2–.92 64.84N–.02 30.55E–.04 0 80 1-10
BER IV 26 10 17 43.5–1.0 64.60N 31.41E 0 1.9L,1.7L ¶610650050
UPP IV 26 10 17 43.4–2.8 64.55N 31.10E 0 1.9L,1.7L
HEL IV 26 10 17 45.7–.20 64.78N 30.85E 0 2.1L,1.7L
KOLA IV 26 10 17 47.0 64.83N 30.50E 0 2.1L,1.7L
IDC IV 26 10 17 47.6–2.3 64.77N 30.78E 0 3.0,2.3L
ISC Event type sh.
BER Event type sh. Error ellipse: s-maj=5.4km s-min=14.6km az=-1.0. Suspected explosion.
UPP Error ellipse: s-maj=0.1km s-min=0.5km az=-1.0.
HEL Event type sh. Error ellipse: s-maj=0.8km s-min=4.0km az=-1.0. Suspected explosion.
KOLA Error ellipse: s-maj=25.5km s-min=11.8km az=160.0. Karelia.
IDC Error ellipse: s-maj=35.3km s-min=8.2km az=101.0.
(724) Baltic States-Belarus-Northwestern Russia
ISC IV 26 16 25 44.3–.67 59.61N–.02 22.16E–.02 0 94 1-10
HEL IV 26 16 25 46.3–.10 59.57N 22.15E 0 2.3L ¶610650067
IDC IV 26 16 25 46.7–.92 59.61N 22.23E 0 3.2,3.0L
DNK IV 26 16 25 46.1–.58 59.59N 22.12E 0 3.0L,3.0L
UPP IV 26 16 25 47.6–1.0 59.58N 21.86E 0 3.0L,3.0L
BER IV 26 16 25 47.4–.92 59.60N 22.22E 0 2.3L,2.2L

LVSN IV 26 16 25 48.2–5.0 59.61N 22.14E 0–32 2.8L,2.2L
ISC Event type kh.
HEL Event type kh. Error ellipse: s-maj=0.8km s-min=0.7km az=-1.0. Explosion.
IDC Error ellipse: s-maj=11.3km s-min=7.3km az=170.0.
DNK Event type sh. Error ellipse: s-maj=5.1km s-min=7.1km az=-1.0. Suspected explosion.
UPP Error ellipse: s-maj=0.1km s-min=0.1km az=-1.0.
BER Event type sh. Error ellipse: s-maj=3.5km s-min=6.7km az=-1.0. Suspected explosion.
LVSN Error ellipse: s-maj=9.6km s-min=26.8km az=-1.0.

(724) Baltic States-Belarus-Northwestern Russia
ISC IV 26 16 37 50.0–.70 59.60N–.03 22.20E–.02 0 72 1-19
HEL IV 26 16 37 51.7–.10 59.57N 22.15E 0 1.8L **¶610650070**
IDC IV 26 16 37 53.0–1.0 59.66N 22.16E 0 3.3,3.0L
UPP IV 26 16 37 53.6–1.1 59.56N 21.79E 0 2.7L,3.0L
LVSN IV 26 16 37 54.7–5.4 59.61N 22.34E 0–42 2.6L,3.0L
DNK IV 26 16 37 57.9–.90 59.63N 21.27E 0 2.7L,3.0L
ISC Event type kh.
HEL Event type kh. Error ellipse: s-maj=0.5km s-min=0.3km az=-1.0. Explosion.
IDC Error ellipse: s-maj=13.0km s-min=7.4km az=169.0.
UPP Error ellipse: s-maj=0.1km s-min=0.2km az=-1.0.
LVSN Error ellipse: s-maj=12.9km s-min=37.4km az=-1.0.
DNK Event type sh. Error ellipse: s-maj=10.2km s-min=43.5km az=-1.0. Suspected explosion.

(724) Baltic States-Belarus-Northwestern Russia
ISC IV 26 16 52 53.8–.74 59.59N–.03 22.20E–.02 0 79 1-10
HEL IV 26 16 52 55.1–.00 59.58N 22.14E 0 2.3L **¶610650076**
DNK IV 26 16 52 55.2–.62 59.56N 22.05E 0 2.7L
IDC IV 26 16 52 56.5–.92 59.65N 22.20E 0 3.2,3.0L
LVSN IV 26 16 52 56.4–2.7 59.59N 22.19E 0–36 2.7L,3.0L
UPP IV 26 16 52 56.5–1.0 59.56N 21.84E 0 2.7L,3.0L
ISC Event type kh.
HEL Event type kh. Error ellipse: s-maj=0.2km s-min=0.2km az=-1.0. Explosion.
DNK Event type sh. Error ellipse: s-maj=5.0km s-min=10.9km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=13.1km s-min=8.1km az=171.0.
LVSN Error ellipse: s-maj=5.3km s-min=18.4km az=-1.0.
UPP Error ellipse: s-maj=0.0km s-min=0.1km az=-1.0.

(724) Baltic States-Belarus-Northwestern Russia
ISC IV 26 16 53 10.1–1.1 59.67N–.09 22.44E–.06 0 26 1-10
UPP IV 26 16 53 12.6–1.4 59.34N 22.19E 0 2.8L **¶610650079**
DNK IV 26 16 53 13.1–1.9 59.33N 22.14E 0 2.8L
IDC IV 26 16 53 14.3–.96 59.77N 22.31E 0 3.2,3.0L
ISC Event type sh.
UPP Error ellipse: s-maj=0.1km s-min=0.2km az=-1.0.
DNK Event type sh. Error ellipse: s-maj=17.2km s-min=24.7km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=13.1km s-min=8.6km az=159.0.

(536) Sweden
ISC IV 26 17 00 41.2–.81 67.08N–.03 20.93E–.03 0 43 0-7
UPP IV 26 17 00 40.8–.10 67.07N 20.89E 0 2.0L **¶610650080**
HEL IV 26 17 00 41.4–.30 67.08N 20.90E 0 1.9L
IDC IV 26 17 00 43.1–1.2 67.03N 21.36E 0 2.7,1.7L
ISC Event type kh.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
HEL Event type kh. Error ellipse: s-maj=1.2km s-min=5.5km az=-1.0. Explosion.
IDC Error ellipse: s-maj=22.9km s-min=9.9km az=104.0.

(536) Sweden
ISC IV 26 23 01 31.4–.77 67.18N–.02 20.66E–.03 0 56 0-7
UPP IV 26 23 01 31.5–.00 67.18N 20.65E 0 2.1L **¶610650093**
HEL IV 26 23 01 31.3–.20 67.17N 20.60E 0 1.8L
IDC IV 26 23 01 32.8–1.3 67.15N 21.00E 0 2.7,2.0L
ISC Event type sh.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
HEL Event type sh. Error ellipse: s-maj=0.8km s-min=4.0km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=21.4km s-min=9.5km az=100.0.

(536) Sweden
HEL IV 27 07 09 46.5–.40 67.82N 20.21E 0 1.3L
¶615981091
HEL Event type kh. Error ellipse: s-maj=2.0km s-min=7.8km az=-1.0. Explosion.

(326) Southwestern Siberia
ISC IV 27 07 57 36.9–3.6 53.5N–.10 87.8E–.20 0 15 2-10
IDC IV 27 07 57 36.2–2.5 53.48N 88.03E 0 3.5,3.0L **¶610650114**
NNC IV 27 07 57 36.2–2.0 53.47N 87.82E 0 3.5b,3.1
ISC Event type sm.
IDC Error ellipse: s-maj=21.5km s-min=14.0km az=66.0.
NNC Event type sm. Error ellipse: s-maj=16.5km s-min=7.4km az=63.0. Suspected Mining explosion.

(381) Central Italy
ROM IV 27 14 59 17.2–.11 43.429N–.01 12.986E–.01 0 1.2L
¶614398078
ROM Event type sm. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.

(548) Poland
ISC IV 27 20 19 07.2–.68 50.20N–.03 19.05E–.02 0 69 0-54
PRU IV 27 20 19 07.9–.00 50.21N 19.05E 0 **¶610570880**
IPEC IV 27 20 19 07.2–.17 50.22N 19.06E 1 2.5L
IDC IV 27 20 19 08.3–1.6 50.05N 19.14E 0 3.5b,3.3
ISC Event type ki.
PRU Event type ki.
IPEC Event type ki. Error ellipse: s-maj=2.5km s-min=1.0km az=168.0.
IDC Error ellipse: s-maj=36.6km s-min=9.8km az=143.0.

(548) Poland
ISC IV 27 21 19 57.1–.98 50.31N–.05 18.69E–.03 0 25 1-2
PRU IV 27 21 19 57.6–.00 50.29N 18.69E 0 **¶610592232**
ISC Event type ki.
PRU Event type ki.

(536) Sweden
HEL IV 27 22 01 31.6–.30 67.15N 20.61E 0 1.2L
¶617153893
HEL Event type sh. Error ellipse: s-maj=1.3km s-min=6.6km az=-1.0. Suspected explosion.

(326) Southwestern Siberia
ISC IV 28 07 03 56.9–.97 53.83N–.10 90.88E–.07 0 18 4-62
IDC IV 28 07 03 56.8–1.1 53.82N 90.99E 0 3.6L,3.5 **¶610650201**
NNC IV 28 07 04 00.2–6.9 53.70N 90.54E 0 4.1b,3.9
ISC Event type sm.
IDC Error ellipse: s-maj=19.4km s-min=11.1km az=148.0.
NNC Event type sm. Error ellipse: s-maj=51.9km s-min=38.0km az=57.0. Suspected Mining explosion.

(548) Poland
PRU IV 28 08 53 04.3–.00 50.28N 18.74E 0
¶611918518
PRU Event type ki.

(713) Central Kazakhstan
ISC IV 28 15 07 40.3–.87 50.84N–.06 73.51E–.05 0 16 3-10
IDC IV 28 15 07 41.8–.82 50.82N 73.61E 0 3.1,2.8L **¶610650224**
NNC IV 28 15 07 42.5–.58 50.76N 73.75E 0 3.5b,3.1
ISC Event type sm.
IDC Error ellipse: s-maj=14.0km s-min=8.5km az=27.0.
NNC Event type sm. Error ellipse: s-maj=8.5km s-min=4.5km az=33.0. Suspected Mining explosion.

(548) Poland
ISC IV 28 15 58 21.2–.61 51.51N–.03 16.10E–.02 0 174 1-60
LDG IV 28 15 58 19.6–.41 51.61N 16.37E 1 3.2L **¶610592256**
DNK IV 28 15 58 21.3–1.4 51.49N 15.69E 0 2.3L,2.2L
IPEC IV 28 15 58 22.0–.26 51.51N 16.12E 1 3.0L,2.2L
IDC IV 28 15 58 22.3–.66 51.44N 15.84E 0 3.6b,3.4
PRU IV 28 15 58 23.2–.00 51.45N 16.11E 0 3.6b,3.3
BGR IV 28 15 58 23.4–.45 51.45N 16.15E 1 3.2L,3.4
VIE IV 28 15 58 25.0 51.31N 15.93E 0 3.0L,2.9b
UPP IV 28 15 58 24.7–3.4 51.57N 15.47E 0 2.3L,2.9b
ISC Event type sr.
LDG Event type sr. Error ellipse: s-maj=9.3km s-min=4.1km az=23.0. Suspected Mining induced.
DNK Event type sh. Error ellipse: s-maj=8.9km s-min=30.1km az=-1.0. Suspected explosion.
IPEC Event type ki. Error ellipse: s-maj=2.1km s-min=1.1km az=36.0.
IDC Error ellipse: s-maj=12.9km s-min=7.1km az=101.0.
PRU Event type ki.
BGR Event type ki. Error ellipse: s-maj=6.7km s-min=3.3km az=24.0.
VIE Event type sr. 78 km WNW of Wroclaw . Suspected Mining induced.
UPP Error ellipse: s-maj=0.3km s-min=0.4km az=-1.0.

(543) Germany
ISC IV 29 00 56 20.1–1.0 51.34N–.02 12.15E–.01 14–9 279 0-9
DNK IV 29 00 56 22.2–1.8 51.60N 12.36E 0 2.4L,2.1L **¶610588557**
BGR IV 29 00 56 23.4–.17 51.32N 12.21E 19–1 3.1L,2.1L
LDG IV 29 00 56 23.4–.12 51.31N 12.16E 19 3.0L,2.1L
BUG IV 29 00 56 23.0–.00 51.33N 12.18E 26 4.1,3.5L
PRU IV 29 00 56 24.0–.00 51.28N 12.25E 20 4.1,3.5L
UPP IV 29 00 56 24.8–2.9 51.72N 12.21E 0 2.1L,3.5L
CLL IV 29 00 56 24.1–.25 51.34N 12.21E 20–1 3.0L,3.5L
ISC Event type ke.
DNK Event type sh. Error ellipse: s-maj=7.8km s-min=17.0km az=-1.0. Suspected explosion.
BGR Event type ke. Error ellipse: s-maj=1.1km s-min=1.1km az=62.0.
LDG Event type ke. Error ellipse: s-maj=2.5km s-min=1.8km az=4.0.
BUG Event type ke.
UPP Error ellipse: s-maj=0.2km s-min=0.4km az=-1.0.
CLL Event type ke.

(536) Sweden
ISC IV 29 02 30 43.1–.78 67.84N–.02 20.24E–.03 0 50 0-8
UPP IV 29 02 30 43.6–.00 67.84N 20.22E 0 2.5L **¶610650272**
IDC IV 29 02 30 44.1–1.1 67.88N 20.57E 0 2.9,2.3L
HEL IV 29 02 30 44.2–.00 67.85N 20.20E 0 2.5L,1.7L
ISC Event type ki.
UPP Event type ki. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Confirmed Induced event.
IDC Error ellipse: s-maj=16.8km s-min=6.3km az=120.0.
HEL Event type ki. Error ellipse: s-maj=0.3km s-min=0.3km az=-1.0. Confirmed Induced event.

(535) Southern Norway
UPP IV 29 09 10 07.2–.70 59.47N 10.20E 0 2.2L
DNK IV 29 09 10 09.8–1.4 59.38N 10.48E 0 2.2L **¶611910334**
BER IV 29 09 10 11.2–.50 59.39N 10.52E 0 1.2L
UPP Error ellipse: s-maj=0.0km s-min=0.1km az=-1.0.
DNK Event type sh. Error ellipse: s-maj=6.2km s-min=7.8km az=-1.0. Suspected explosion.
BER Event type sh. Error ellipse: s-maj=1.6km s-min=3.3km az=-1.0. Suspected explosion.

(724) Baltic States-Belarus-Northwestern Russia
HEL IV 29 11 04 28.8–.20 67.60N 30.64E 0 1.7L
UPP IV 29 11 04 28.1–2.8 67.58N 30.74E 0 1.7L **¶611910339**
KOLA IV 29 11 04 32.3 67.64N 30.52E 0 2.1L
HEL Event type sh. Error ellipse: s-maj=1.2km s-min=4.1km az=-1.0. Suspected explosion.
UPP Error ellipse: s-maj=0.1km s-min=0.6km az=-1.0.
KOLA Error ellipse: s-maj=8.9km s-min=3.2km az=10.0. Murmansk region, Kovdor district.

(724) Baltic States-Belarus-Northwestern Russia
HEL IV 29 11 16 09.0–.40 67.59N 30.45E 0 1.6L
¶615317522
HEL Event type sh. Error ellipse: s-maj=1.7km s-min=6.4km az=-1.0. Suspected explosion.

(535) Southern Norway
UPP IV 29 15 12 50.7–.60 59.39N 10.51E 0 2.4L
DNK IV 29 15 12 50.3–1.1 59.36N 10.36E 0 2.4L **¶611910341**
BER IV 29 15 12 50.6–1.7 59.40N 10.52E 0 1.1L
UPP Error ellipse: s-maj=0.0km s-min=0.1km az=-1.0.
DNK Event type sh. Error ellipse: s-maj=5.7km s-min=13.0km az=-1.0. Suspected explosion.
BER Event type sh. Error ellipse: s-maj=3.1km s-min=6.9km az=-1.0. Suspected explosion.

(535) Southern Norway
UPP IV 29 15 12 47.1–.70 59.45N 10.33E 0 2.3L
DNK IV 29 15 12 48.8–1.8 59.42N 10.48E 0 2.3L,1.4L **¶616566866**
UPP Error ellipse: s-maj=0.0km s-min=0.1km az=-1.0.
DNK Event type sh. Error ellipse: s-maj=6.0km s-min=7.8km az=-1.0. Suspected explosion.

(535) Southern Norway
ISC IV 29 22 58 48.6–.93 58.17N–.03 6.75E–.02 27–7 236 0-14
DNK IV 29 22 58 49.8–2.7 58.14N 6.79E 40–4 3.5L,3.1L **¶610645567**
BGS IV 29 22 58 49.1–1.2 58.19N 6.65E 16–16 3.1L,3.1L
UPP IV 29 22 58 50.4–1.9 58.23N 7.38E 0 2.5L,3.1L
BER IV 29 22 58 50.4–2.6 58.15N 6.79E 23–5 3.1L,2.9L
NAO IV 29 22 58 51.8–.80 58.43N 6.88E 11–4 2.9L,2.9L
ISC Event type ke.
DNK Error ellipse: s-maj=3.4km s-min=5.1km az=-1.0. Probable volcanic.
BGS Error ellipse: s-maj=4.3km s-min=9.0km az=-1.0.
UPP Error ellipse: s-maj=0.1km s-min=0.3km az=-1.0.
BER Event type ke. Error ellipse: s-maj=4.2km s-min=6.3km az=-1.0. Confirmed Earthquake.

(460) Wyoming
ISC IV 29 23 18 09.3–.90 43.71N–.06 105.29W–.06 0 49 1-20
IDC IV 29 23 18 08.2–1.8 43.58N 105.31W 0 3.4,3.1L **¶610650363**
NEIC IV 29 23 18 10.2–.89 43.72N–.05 105.30W–.05 0–2 3.4L,3.1L
ISC Event type sm.
NEIC Event type sm. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(548) Poland
ISC IV 30 09 58 35.0–1.2 51.48N–.05 16.16E–.03 0 53 1-5
IPEC IV 30 09 58 34.6–.47 51.47N 16.25E 0–2 2.2L **¶610592299**
VIE IV 30 09 58 35.0 51.43N 16.35E 0 2.6b,2.5L
PRU IV 30 09 58 36.3–.00 51.42N 16.14E 0 2.6b,2.5L
ISC Event type sr.
IPEC Event type ki. Error ellipse: s-maj=2.9km s-min=1.1km az=20.0.
VIE Event type sr. 60 km NW of Wroclaw . Suspected Mining induced.
PRU Event type ki.

(535) Southern Norway
ISC IV 30 14 54 35.8–.79 59.38N–.03 10.58E–.03 0 48 0-4
DNK IV 30 14 54 35.6–2.3 59.47N 10.49E 0 2.5L **¶611677649**
UPP IV 30 14 54 36.4–.70 59.42N 10.51E 0 2.5L
BER IV 30 14 54 37.9–1.1 59.42N 10.53E 0 1.4L
ISC Event type sh.
DNK Event type sh. Error ellipse: s-maj=7.5km s-min=10.1km az=-1.0. Suspected explosion.
UPP Error ellipse: s-maj=0.0km s-min=0.1km az=-1.0.
BER Event type sh. Error ellipse: s-maj=2.3km s-min=5.4km az=-1.0. Suspected explosion.

(460) Wyoming
ISC IV 30 20 07 57.2–.93 43.82N–.06 105.36W–.06 0 38 1-19
IDC IV 30 20 07 56.7–1.1 43.80N 105.53W 0 3.3L,3.2 **¶610650446**
NEIC IV 30 20 07 57.4–1.9 43.89N–.06 105.32W–.03 0–2 3.0L,3.2
ISC Event type sm.
NEIC Event type sm. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(329) Eastern Kazakhstan
ISC V 01 07 59 09.6–.95 50.01N–.06 78.61E–.07 0 17 1-8
NNC V 01 07 59 08.5–.77 49.98N 78.62E 0 3.4b,3.0 **¶610689286**
IDC V 01 07 59 10.3–1.0 50.05N 78.77E 0 3.1,2.6L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=10.1km s-min=4.0km az=86.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=10.9km s-min=7.2km az=55.0.

(724) Baltic States-Belarus-Northwestern Russia
ISC V 01 14 17 01.2–.80 67.68N–.03 33.72E–.03 0 68 0-12
HEL V 01 14 17 02.3–.20 67.60N 33.81E 0 2.2L **¶614403769**
KOLA V 01 14 17 02.6 67.66N 33.75E 0 2.5L
BER V 01 14 17 03.1–1.1 67.53N 33.64E 0 2.5L
IDC V 01 14 17 04.2–1.6 67.67N 33.33E 0 3.4,2.6L
ISC Event type sh.
HEL Event type sh. Error ellipse: s-maj=1.7km s-min=3.5km az=-1.0. Suspected explosion.
KOLA Error ellipse: s-maj=5.2km s-min=2.1km az=150.0. Khibiny, mines Kirovsk, Yukspor.
BER Event type sh. Error ellipse: s-maj=14.9km s-min=22.8km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=18.1km s-min=8.5km az=85.0.

(547) Czech and Slovak Republics
ISC V 02 07 02 39.7–.75 49.82N–.03 18.50E–.02 0 59 0-4
VIE V 02 07 02 39.9 49.67N 18.58E 0 2.5L,2.2b **¶610590180**
PRU V 02 07 02 40.9 49.84N 18.48E 0 2.5L,2.2b
IPEC V 02 07 02 40.7–.16 49.84N 18.57E 1 2.5L,2.2b
ISC Event type sr.
VIE Event type sr. 30 km SE of Ostrava . Suspected Mining induced.
PRU Event type ki. Mining Induced Event Csm, E=2.7e+06.

IPEC Event type ki. Error ellipse: s-maj=1.7km s-min=1.1km az=163.0.
(548) Poland
ISC V 02 07 25 39.4–1.1 51.39N–.05 16.08E–.03 0 52 1-4
IPEC V 02 07 25 38.2–.34 51.51N 16.19E 1–1 2.2L ¶610594131
PRU V 02 07 25 39.5 51.43N 16.10E 0 2.2L
VIE V 02 07 25 39.9 51.39N 16.16E 0 2.8L,2.4b
ISC Event type sr.
IPEC Event type ki. Error ellipse: s-maj=2.3km s-min=1.1km az=24.0.
PRU Event type ki.
VIE Event type sr. 68 km WNW of Wroclaw . Suspected Mining induced.
(326) Southwestern Siberia
ISC V 02 09 19 26.0–3.5 53.6N–.10 87.8E–.20 0 13 2-10
NNC V 02 09 19 24.5–6.2 53.46N 88.43E 30–76 3.5b,3.1 ¶610689377
IDC V 02 09 19 26.9–2.6 53.50N 87.81E 0 3.3,2.8L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=54.4km s-min=24.5km az=99.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=22.0km s-min=13.5km az=64.0.
(326) Southwestern Siberia
ISC V 02 09 34 37.0–3.6 53.6N–.20 87.8E–.20 10 10 2-8
IDC V 02 09 34 37.0–2.8 53.52N 87.78E 0 3.1,2.9L ¶610689379
NNC V 02 09 34 37.6–13 55.70N 85.31E 0 2.9b,2.6
ISC Event type ke.
IDC Error ellipse: s-maj=26.9km s-min=17.2km az=88.0.
NNC Event type sm. Error ellipse: s-maj=121.0km s-min=99.4km az=96.0. Suspected Mining explosion.
(329) Eastern Kazakhstan
ISC V 02 13 16 03.1–.85 50.16N–.04 79.42E–.04 0 34 1-5
NNC V 02 13 16 06.9–1.2 50.27N 79.37E 0 3.1b,2.7 ¶610689390
IDC V 02 13 16 07.4–1.0 50.05N 78.75E 0 2.8,2.5L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=19.0km s-min=5.9km az=42.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=16.1km s-min=6.1km az=67.0.
(535) Southern Norway
UPP V 02 16 00 09.9–1.0 59.44N 10.27E 0 2.2L
¶611910365
UPP Error ellipse: s-maj=0.0km s-min=0.1km az=-1.0.
(535) Southern Norway
ISC V 02 16 00 12.0–.88 59.42N–.04 10.42E–.03 0 30 0-3
DNK V 02 16 00 11.6–2.1 59.42N 10.44E 0 2.2L,1.4L ¶616918756
BER V 02 16 00 12.7–1.4 59.39N 10.51E 0 0.8L,1.4L
UPP V 02 16 00 14.5–.60 59.40N 10.45E 0 2.5L,1.4L
ISC Event type kh.
DNK Event type sh. Error ellipse: s-maj=10.6km s-min=12.3km az=-1.0. Suspected explosion.
BER Event type kh. Error ellipse: s-maj=5.3km s-min=8.7km az=-1.0. Explosion.
UPP Error ellipse: s-maj=0.0km s-min=0.1km az=-1.0.
(535) Southern Norway
UPP V 02 16 00 20.3–.50 59.34N 10.80E 0 2.4L
¶611910369
UPP Error ellipse: s-maj=0.0km s-min=0.1km az=-1.0.
(326) Southwestern Siberia
ISC V 02 17 19 24.4–.84 53.55N–.03 91.37E–.04 0 57 1-9
ASRS V 02 17 19 22.6–.27 54N–1.0 91E–1.0 9 3.8 ¶612038400
NNC V 02 17 19 43.1–6.0 53.38N 90.22E 29–39 3.5b,3.1
ISC Event type sm.
ASRS Event type ke. Error ellipse: s-maj=3.0km s-min=2.2km az=53.2. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NNC Event type sm. Error ellipse: s-maj=34.4km s-min=23.9km az=94.0. Suspected Mining explosion.
(379) Near south coast of France
STR V 03 06 32 25.2–1.4 44N–5.0 8E–6.0 0 0.9
¶615392965
STR Event type sm. manual. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/alpes_taup-2.11. preliminary.
(326) Southwestern Siberia
ISC V 03 07 08 17.1–1.5 51.22N–.08 81.70E–.09 0 6 2-4
NNC V 03 07 08 13.2–2.2 51.30N 81.88E 0 2.9b,2.5 ¶610689456
IDC V 03 07 08 15.4–2.4 51.34N 82.05E 0 2.2L,2.1
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=21.0km s-min=9.1km az=27.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=46.2km s-min=13.1km az=107.0.
(326) Southwestern Siberia
ISC V 03 08 32 26.3–3.5 53.6N–.10 87.9E–.20 0 9 2-8
NNC V 03 08 32 26.8–2.5 53.47N 87.81E 0 3.1b,2.7 ¶610689461
IDC V 03 08 32 26.1–3.1 53.51N 88.01E 0 2.9,2.4L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=18.5km s-min=14.4km az=76.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=29.0km s-min=18.1km az=56.0.
(326) Southwestern Siberia
ISC V 03 09 23 02.3–4.0 53.5N–.10 90.5E–.20 0 16 3-13
IDC V 03 09 22 59.2–2.9 53.62N 90.75E 0 3.6,2.8L ¶610689470
NNC V 03 09 23 04.0–3.3 53.47N 90.39E 6–16 4.0b,3.7
ISC Event type sm.
IDC Error ellipse: s-maj=25.5km s-min=20.7km az=70.0.
NNC Event type sm. Error ellipse: s-maj=19.5km s-min=17.3km az=86.0. Suspected Mining explosion.
(383) Northwestern Balkan Peninsula
LJU V 03 09 47 57.0 45.92N 14.19E 0 0.3L
¶611627288
LJU Event type sh. Suspected explosion.
(545) Northern Italy
VIE V 03 09 48 52.1 45.95N 13.63E 0 1.5L,1.4b
¶617229469
VIE Event type sm. 22 km SE of Cividale . Suspected Mining explosion.
(326) Southwestern Siberia
ISC V 03 09 51 09.1–3.4 53.8N–.10 88.1E–.20 0 11 2-8
IDC V 03 09 51 08.5–2.9 53.77N 88.13E 0 3.2,2.8L ¶610689472
NNC V 03 09 51 09.1–4.0 53.61N 88.17E 0 3.4b,3.0
ISC Event type sm.
IDC Error ellipse: s-maj=23.5km s-min=17.0km az=60.0.
NNC Event type sm. Error ellipse: s-maj=33.6km s-min=21.4km az=66.0. Suspected Mining explosion.
(713) Central Kazakhstan
ISC V 03 10 18 58.3–.94 50.89N–.09 73.72E–.06 0 14 3-67
IDC V 03 10 19 00.4–1.3 51.01N 73.74E 0 3.2b,3.0 ¶610689474
NNC V 03 10 19 02.4–1.6 51.21N 74.01E 0–11 3.4b,3.1
ISC Event type sm.
IDC Error ellipse: s-maj=28.9km s-min=8.6km az=33.0.
NNC Event type sm. Error ellipse: s-maj=23.7km s-min=4.0km az=28.0. Suspected Mining explosion.
(464) Minnesota
ISC V 03 15 51 26.7–.92 47.48N–.04 92.60W–.03 0 33 1-5
NEIC V 03 15 51 27.4–2.0 47.53N–.04 92.57W–.04 0–2 2.6L,2.5 ¶611149985
OTT V 03 15 51 28.4–.45 47.50N 92.57W 0 2.5,2.5
ISC Event type km.
NEIC Event type sm. Error ellipse: s-maj=6.7km s-min=4.9km az=190.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
OTT Event type km. Error ellipse: s-maj=2.2km s-min=1.5km az=-1.0. Blast, Minnesota, U.S. 137km southeast from Fort Frances, On Mining explosion.
(456) Montana
ISC V 03 17 12 15.6–1.1 45.97N–.05 106.53W–.06 0 45 1-17
IDC V 03 17 12 15.5–1.4 45.95N 106.84W 0 3.1,3.0L ¶610689491
NEIC V 03 17 12 16.6–2.4 45.94N–.04 106.48W–.08 0–2 3.2L,3.0L
ISC Event type sm.
NEIC Event type sm. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(724) Baltic States-Belarus-Northwestern Russia
HEL V 03 20 05 35.9–.50 67.89N 33.25E 0 1.5L
¶616248056
HEL Event type sh. Error ellipse: s-maj=5.7km s-min=7.4km az=-1.0. Suspected explosion.
(536) Sweden
UPP V 03 20 05 42.0–.10 67.16N 20.69E 0 2.2L
HEL V 03 20 05 39.3–.20 67.23N 20.23E 0 1.1L ¶611910383
UPP Event type ki. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Confirmed Induced event.
HEL Event type kh. Error ellipse: s-maj=0.9km s-min=3.6km az=-1.0. Explosion.
(536) Sweden
ISC V 04 07 29 33.0–.92 58.92N–.03 17.94E–.03 0 44 0-3
LVSN V 04 07 29 31.4–2.9 59.37N 27.01E 0–37 2.2L ¶611910388
UPP V 04 07 29 33.3–.10 58.93N 17.96E 0 2.0L
DNK V 04 07 29 33.7–.45 58.93N 17.97E 0 2.0L
ISC Event type kh.
LVSN Error ellipse: s-maj=15.0km s-min=53.1km az=-1.0.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
DNK Event type kh. Error ellipse: s-maj=1.0km s-min=2.8km az=-1.0. Explosion.
(535) Southern Norway
ISC V 04 08 29 09.1–.86 59.37N–.04 10.43E–.04 0 31 1-9
DNK V 04 08 29 09.9–1.9 59.41N 10.50E 0 2.5L,1.1L ¶611792470
UPP V 04 08 29 09.9–.60 59.42N 10.49E 0 2.5L,1.1L
BER V 04 08 29 11.4–.75 59.40N 10.56E 0 1.1L,1.1L
ISC Event type sh.
DNK Event type sh. Error ellipse: s-maj=6.7km s-min=10.6km az=-1.0. Suspected explosion.
UPP Error ellipse: s-maj=0.0km s-min=0.1km az=-1.0.
BER Event type sh. Error ellipse: s-maj=2.2km s-min=4.5km az=-1.0. Suspected explosion.
(724) Baltic States-Belarus-Northwestern Russia
ISC V 04 10 40 49.6–1.2 67.59N–.06 34.24E–.06 0 28 0-18
KOLA V 04 10 40 52.7 67.68N 34.20E 0 2.6L ¶614403771
BER V 04 10 40 53.2–.55 67.53N 34.18E 0 2.4L
IDC V 04 10 40 55.0–1.7 67.68N 33.61E 0 3.5,2.7L
ISC Event type sh.
KOLA Error ellipse: s-maj=5.0km s-min=1.5km az=130.0. Khibiny, mines Koashva, Nyurkpakh.
BER Event type sh. Error ellipse: s-maj=7.7km s-min=27.7km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=17.7km s-min=8.5km az=85.0.
(383) Northwestern Balkan Peninsula
LJU V 04 11 04 11.8 45.82N 15.61E 0 0.5L
¶617229472
LJU Event type sh. Suspected explosion.
(546) Austria
VIE V 04 11 04 18.6 46.70N 13.52E 0 0.9L,0.8b
¶617229473
VIE Event type sm. 11 km W of Feistritz a.d. Drau . Suspected Mining explosion.
(721) Finland
HEL V 04 13 02 06.5–.50 60.21N 24.51E 0 1.2L
¶616248081
HEL Event type kh. Error ellipse: s-maj=3.9km s-min=5.2km az=-1.0. Explosion.
(535) Southern Norway
ISC V 04 13 30 46.8–.84 59.41N–.03 10.42E–.03 0 35 0-4
UPP V 04 13 30 47.1–.60 59.44N 10.40E 0 2.5L ¶611910396
DNK V 04 13 30 48.1–1.8 59.45N 10.50E 0 2.5L,2.5L
BER V 04 13 30 49.4–1.1 59.40N 10.48E 0 1.2L,2.5L
ISC Event type sh.
UPP Error ellipse: s-maj=0.0km s-min=0.1km az=-1.0.
DNK Event type sh. Error ellipse: s-maj=5.8km s-min=8.4km az=-1.0. Suspected explosion.
BER Event type sh. Error ellipse: s-maj=6.7km s-min=9.4km az=-1.0. Suspected explosion.
(724) Baltic States-Belarus-Northwestern Russia
ISC V 04 14 52 10.6–.79 68.10N–.03 32.94E–.03 0 64 0-7
HEL V 04 14 52 10.8–.20 68.08N 33.07E 0 1.9L ¶610689552
UPP V 04 14 52 11.7–2.9 68.11N 32.79E 0 2.0L
KOLA V 04 14 52 11.6 68.11N 33.00E 0 2.3L
IDC V 04 14 52 13.7–2.7 68.20N 32.70E 0 3.0,1.9L
ISC Event type sh.
HEL Event type sh. Error ellipse: s-maj=2.2km s-min=3.5km az=-1.0. Suspected explosion.
UPP Error ellipse: s-maj=0.1km s-min=0.6km az=-1.0.
KOLA Error ellipse: s-maj=2.6km s-min=1.8km az=90.0. Olenegorsk City, Mines.
IDC Error ellipse: s-maj=33.1km s-min=13.9km az=61.0.
(724) Baltic States-Belarus-Northwestern Russia
ISC V 04 19 00 08.4–.72 67.62N–.04 33.71E–.03 0 56 0-32
HEL V 04 19 00 09.1–.10 67.62N 33.81E 0 2.1L ¶610689562
KOLA V 04 19 00 09.5 67.63N 33.79E 0 2.5L
IDC V 04 19 00 10.1–1.1 67.76N 33.75E 0 3.3,3.1b
ISC Event type sh.
HEL Event type sh. Error ellipse: s-maj=1.6km s-min=3.2km az=-1.0. Suspected explosion.
KOLA Error ellipse: s-maj=6.3km s-min=2.3km az=150.0. Khibiny, mines Rasvumchorr, Central.
IDC Error ellipse: s-maj=12.8km s-min=8.8km az=63.0.
(721) Finland
HEL V 04 19 01 35.2–.20 65.84N 24.75E 0 1.2L
¶616248093
HEL Event type sh. Error ellipse: s-maj=1.3km s-min=3.6km az=-1.0. Suspected explosion.
(724) Baltic States-Belarus-Northwestern Russia
HEL V 04 20 20 23.6–.20 68.11N 33.70E 0 1.3L
¶616248097
HEL Event type kh. Error ellipse: s-maj=3.5km s-min=3.3km az=-1.0. Explosion.
(536) Sweden
HEL V 04 20 21 11.6–.30 67.89N 20.31E 0 0.9L
¶616248098
HEL Event type sh. Error ellipse: s-maj=1.6km s-min=7.0km az=-1.0. Suspected explosion.
(548) Poland
ISC V 04 22 55 41.3–.72 50.23N–.03 19.09E–.02 0 65 0-20
IDC V 04 22 55 40.0–3.8 49.87N 19.29E 0 3.5,2.7L ¶610598519
IPEC V 04 22 55 41.8–.17 50.23N 19.08E 0 2.5L,2.7L
VIE V 04 22 55 42.2 50.31N 18.90E 0 2.3L,2.2b
PRU V 04 22 55 43.0 50.18N 19.02E 0 2.3L,2.2b
ISC Event type sr.
IDC Error ellipse: s-maj=66.1km s-min=12.9km az=141.0.
IPEC Event type ki. Error ellipse: s-maj=2.5km s-min=1.1km az=168.0.
VIE Event type sr. 8 km NW of Katowice . Suspected Mining induced.
PRU Event type ki.
(535) Southern Norway
BER V 05 08 04 21.6–1.1 61.81N 5.14E 0 1.4L
¶617229475
BER Event type sh. Error ellipse: s-maj=4.1km s-min=11.1km az=-1.0. Suspected explosion.
(326) Southwestern Siberia
NNC V 05 08 20 27.4–3.2 53.69N 90.59E 0 3.8b,3.5
¶612038552
NNC Event type sm. Error ellipse: s-maj=23.6km s-min=17.5km az=58.0. Suspected Mining explosion.
(326) Southwestern Siberia
ISC V 05 08 37 41.5–4.1 54.2N–.20 87.1E–.20 0 16 1-10
NNC V 05 08 37 38.9–3.6 54.25N 87.42E 1–30 3.4b,3.2 ¶610689595
IDC V 05 08 37 43.7–2.5 54.12N 87.04E 0 3.5,3.0L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=34.3km s-min=20.1km az=52.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=23.6km s-min=13.6km az=63.0.
(326) Southwestern Siberia
ISC V 05 09 04 37.1–3.8 53.5N–.10 88.3E–.20 0 12 2-8
NNC V 05 09 04 35.7–10 53.37N 88.35E 0 3.3b,3.0 ¶610689600
IDC V 05 09 04 41.3–3.0 53.61N 87.84E 0 3.0,2.6L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=95.6km s-min=50.3km az=52.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=28.5km s-min=17.9km az=88.0.
(326) Southwestern Siberia
ISC V 05 09 54 26.2–3.2 53.6N–.10 87.6E–.20 0 14 2-8
NNC V 05 09 54 26.7–2.5 53.43N 87.60E 0 3.3b,3.0 ¶610689603
IDC V 05 09 54 26.3–2.6 53.53N 87.65E 0 3.4,3.1L
ISC Event type sm.

NNC Event type sm. Error ellipse: s-maj=21.5km s-min=10.1km az=66.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=22.4km s-min=13.8km az=61.0.
(724) Baltic States-Belarus-Northwestern Russia
ISC V 05 15 56 27.7–.86 67.63N–.03 33.82E–.03 0 44 0-7
HEL V 05 15 56 27.6–.10 67.56N 33.93E 0 1.9L ¶610689618
KOLA V 05 15 56 28.0 67.62N 33.89E 0 2.1L
IDC V 05 15 56 29.3–3.8 67.74N 33.74E 0 3.0,2.0L
ISC Event type sh.
HEL Event type sh. Error ellipse: s-maj=1.6km s-min=3.8km az=-1.0. Suspected explosion.
KOLA Error ellipse: s-maj=5.3km s-min=1.7km az=160.0. Khibiny, mines Rasvumchorr, Central.
IDC Error ellipse: s-maj=45.2km s-min=12.8km az=78.0.
(460) Wyoming
ISC V 05 20 42 49.6–.83 43.63N–.05 105.38W–.05 0 57 1-68
IDC V 05 20 42 47.4–2.1 43.22N 105.19W 0 4.2b,4.0 ¶610689627
NEIC V 05 20 42 51.8–1.5 43.54N–.06 105.47W–.09 0–2 3.2L,4.0
ISC Event type sm.
NEIC Event type sm. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(548) Poland
ISC V 05 23 30 46.9–.81 51.58N–.03 16.09E–.03 0 47 1-5
DNK V 05 23 30 46.8–1.0 51.26N 15.84E 40–34 2.9L ¶611973787
PRU V 05 23 30 48.4 51.49N 16.10E 0 2.9L
ISC Event type ki.
DNK Error ellipse: s-maj=26.1km s-min=26.6km az=-1.0.
PRU Event type ki.
(713) Central Kazakhstan
ISC V 06 07 50 35.3–1.8 42.55N–.04 70.0E–.10 0 36 0-4
SOME V 06 07 50 34.7 42.48N 70.08E ¶612038630
KRNET V 06 07 50 35.4–.10 42.59N 70.05E 17 2.6b
NNC V 06 07 50 35.1–.42 42.55N 70.07E 0 3.3b,2.6
ISC Event type sm.
SOME Event type kx.
NNC Event type sm. Error ellipse: s-maj=7.6km s-min=1.6km az=108.0. Suspected Mining explosion.
(724) Baltic States-Belarus-Northwestern Russia
HEL V 06 11 14 33.5–.10 67.56N 30.29E 0 1.8L
¶615317593
HEL Event type sh. Error ellipse: s-maj=0.8km s-min=2.4km az=-1.0. Suspected explosion.
(724) Baltic States-Belarus-Northwestern Russia
HEL V 06 11 17 29.0–.40 67.59N 30.57E 0 1.6L
¶615317594
HEL Event type sh. Error ellipse: s-maj=1.9km s-min=7.2km az=-1.0. Suspected explosion.
(548) Poland
PRU V 06 14 38 19.7 50.26N 19.07E 0
¶616703769
PRU Event type ki.
(24) Alberta
ISC V 06 19 40 01.3–.79 50.12N–.03 114.96W–.03 0 41 1-12
IDC V 06 19 39 59.1–1.2 50.23N 115.14W 0 3.2L,2.8 ¶610689682
PGC V 06 19 40 02.2–.23 50.12N 114.89W 0 3.0L,2.8
ISC Event type km.
IDC Error ellipse: s-maj=20.9km s-min=8.5km az=111.0.
PGC Event type km. 93km northeast of Cranbrook, Bc Alberta, Canada Mining explosion.
(536) Sweden
HEL V 06 20 05 54.8–.70 67.96N 20.05E 0 1.0L
¶616248188
HEL Event type kh. Error ellipse: s-maj=3.4km s-min=14.5km az=-1.0. Explosion.
(548) Poland
ISC V 06 22 59 33.0–.66 50.29N–.03 18.83E–.02 0 90 0-20
IPEC V 06 22 59 34.8–.17 50.23N 18.81E 1 2.7L ¶610617732
PRU V 06 22 59 34.6 50.30N 18.75E 0 2.7L
IDC V 06 22 59 35.9–2.6 50.21N 18.67E 0 3.4,2.9L
DNK V 06 22 59 37.5–1.4 50.56N 18.88E 0–118 2.6L,2.9L
ISC Event type ki.
IPEC Event type ki. Error ellipse: s-maj=2.3km s-min=1.1km az=166.0.
PRU Event type ki.
IDC Error ellipse: s-maj=54.9km s-min=8.4km az=132.0.
DNK Error ellipse: s-maj=87.6km s-min=96.2km az=-1.0.
(724) Baltic States-Belarus-Northwestern Russia
ISC V 07 07 50 47.9–.81 67.65N–.04 33.75E–.03 0 58 0-12
HEL V 07 07 50 48.5–.10 67.62N 33.80E 0 2.0L ¶610689705
KOLA V 07 07 50 48.9 67.64N 33.78E 0 2.4L
IDC V 07 07 50 50.1–1.9 67.75N 33.65E 0 3.4,2.4L
ISC Event type sh.
HEL Event type sh. Error ellipse: s-maj=1.5km s-min=3.2km az=-1.0. Suspected explosion.
KOLA Error ellipse: s-maj=4.7km s-min=1.7km az=160.0. Khibiny, mines Kirovsk, Yukspor.
IDC Error ellipse: s-maj=21.4km s-min=10.0km az=78.0.
(536) Sweden
HEL V 07 08 55 33.1–.80 67.17N 20.34E 0 0.8L
¶616248199
HEL Event type sh. Error ellipse: s-maj=3.1km s-min=12.1km az=-1.0. Suspected explosion.
(724) Baltic States-Belarus-Northwestern Russia
HEL V 07 08 55 35.7–.10 67.70N 33.75E 0 1.6L
KOLA V 07 08 55 35.2 67.64N 33.77E 0 1.7L ¶615317603
HEL Event type sh. Error ellipse: s-maj=1.8km s-min=2.9km az=-1.0. Suspected explosion.
KOLA Error ellipse: s-maj=3.7km s-min=1.4km az=150.0. Khibiny, mines Kirovsk, Yukspor.
(548) Poland
ISC V 08 15 17 43.9–1.2 50.27N–.06 19.00E–.03 0 16 1-2
PRU V 08 15 17 44.4 50.26N 18.98E 0 ¶616703796
ISC Event type ki.
PRU Event type ki.
(721) Finland
HEL V 08 15 40 56.6–.10 63.04N 23.00E 0 1.3L
¶616248238
HEL Event type kh. Error ellipse: s-maj=1.1km s-min=2.6km az=-1.0. Explosion.
(383) Northwestern Balkan Peninsula
LJU V 09 06 38 54.1 45.92N 14.20E 0 0.1L
¶612533696
LJU Event type sh. Suspected explosion.
(548) Poland
PRU V 09 10 05 35.4 50.10N 18.40E 0
¶616703809
PRU Event type ki.
(536) Sweden
ISC V 10 02 54 31.9–.55 67.81N–.02 20.25E–.03 0 3.4b 75 0-75
IDC V 10 02 54 32.5–.67 67.85N 20.25E 0 3.4,3.4b ¶610689930
UPP V 10 02 54 32.9–.10 67.83N 20.20E 0 2.7L,3.4b
HEL V 10 02 54 33.5–.10 67.83N 20.18E 1 2.8L,2.7L
BER V 10 02 54 35.5–1.6 67.79N 20.44E 1 2.6L,2.7L
ISC Event type ki.
IDC Error ellipse: s-maj=13.4km s-min=7.1km az=121.0.
UPP Event type ki. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Confirmed Induced event.
HEL Event type ki. Error ellipse: s-maj=0.3km s-min=0.5km az=-1.0. Confirmed Induced event.
BER Event type ki. Error ellipse: s-maj=4.8km s-min=10.1km az=-1.0. Confirmed Induced event.
(724) Baltic States-Belarus-Northwestern Russia
ISC V 10 03 45 35.6–.95 67.60N–.04 33.76E–.05 0 31 0-12
HEL V 10 03 45 37.9–.20 67.62N 33.78E 0 1.6L ¶610689932
IDC V 10 03 45 38.9–2.0 67.76N 33.56E 0 3.5,2.3L
ISC Event type sh.
HEL Event type sh. Error ellipse: s-maj=2.2km s-min=3.9km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=22.5km s-min=10.6km az=77.0.
(724) Baltic States-Belarus-Northwestern Russia
ISC V 10 04 40 25.4–.72 59.49N–.02 24.73E–.02 0 94 1-10
DNK V 10 04 40 22.7–.77 59.51N 25.22E 0 2.7L ¶610689937
BER V 10 04 40 23.7–1.2 59.42N 25.38E 0 2.3L,1.9L
UPP V 10 04 40 25.2–2.2 59.54N 24.95E 0 2.7L,1.9L
IDC V 10 04 40 26.7–2.1 59.49N 24.94E 0 3.3,2.8L
EST V 10 04 40 26.9–.00 59.49N 24.72E 0 2.3L,2.8L
HEL V 10 04 40 26.9–.00 59.49N 24.72E 0 2.3L,2.8L
LVSN V 10 04 40 27.8–6.2 59.52N 24.87E 0–39 2.5L,2.8L
ISC Event type kh.
DNK Event type sh. Error ellipse: s-maj=6.7km s-min=11.7km az=-1.0. Suspected explosion.
BER Event type sh. Error ellipse: s-maj=17.1km s-min=19.5km az=-1.0. Suspected explosion.
UPP Error ellipse: s-maj=0.1km s-min=0.3km az=-1.0.
IDC Error ellipse: s-maj=23.2km s-min=8.3km az=142.0.
EST Event type kh. Error ellipse: s-maj=0.2km s-min=0.2km az=-1.0. Explosion.
HEL Event type kh. Error ellipse: s-maj=0.2km s-min=0.3km az=-1.0. Explosion.
LVSN Error ellipse: s-maj=22.0km s-min=41.7km az=-1.0.
(536) Sweden
ISC V 10 06 44 30.7–.59 67.17N–.02 20.78E–.02 0 120 0-47
UPP V 10 06 44 31.9–.00 67.19N 20.65E 0 3.2L ¶610619321
NAO V 10 06 44 32.2–.60 67.15N 20.83E 3.4L
DNK V 10 06 44 32.2–.55 67.19N 20.67E 0 3.2L
IDC V 10 06 44 32.3–.68 67.16N 20.83E 0 3.4,3.3L
HEL V 10 06 44 32.4–.00 67.19N 20.63E 1 3.2L,2.9L
BER V 10 06 44 34.3–2.5 67.16N 20.70E 0 2.7L,2.9L
ISC Event type sh.
UPP Event type ki. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Confirmed Induced event.
DNK Event type sh. Error ellipse: s-maj=0.8km s-min=3.1km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=12.3km s-min=6.7km az=105.0.
HEL Event type ki. Error ellipse: s-maj=0.3km s-min=0.4km az=-1.0. Confirmed Induced event.
BER Event type ki. Error ellipse: s-maj=4.6km s-min=15.7km az=-1.0. Confirmed Induced event.
(536) Sweden
ISC V 10 08 58 47.4–.69 67.19N–.02 20.75E–.02 0 86 0-11
UPP V 10 08 58 48.5–.00 67.19N 20.64E 0 3.0L ¶610689959
DNK V 10 08 58 48.7–.52 67.19N 20.64E 0 3.0L
IDC V 10 08 58 48.9–.80 67.19N 20.65E 0 3.3,2.8L
HEL V 10 08 58 49.0–.00 67.18N 20.62E 1 3.0L,2.8L
BER V 10 08 58 50.3–1.9 67.06N 20.96E 0 2.6L,2.8L
ISC Event type sh.
UPP Event type ki. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Confirmed Induced event.
DNK Event type sh. Error ellipse: s-maj=0.9km s-min=3.0km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=15.5km s-min=7.2km az=113.0.
HEL Event type ki. Error ellipse: s-maj=0.3km s-min=0.4km az=-1.0. Confirmed Induced event.
BER Event type ki. Error ellipse: s-maj=6.9km s-min=13.5km az=-1.0. Confirmed Induced event.
(536) Sweden
HEL V 10 10 40 24.7–.40 67.16N 20.53E 0 1.3L
¶616248314
HEL Event type sh. Error ellipse: s-maj=1.7km s-min=6.5km az=-1.0. Suspected explosion.
(721) Finland
ISC V 10 10 41 12.8–.79 63.06N–.03 27.66E–.04 0 42 1-8
IDC V 10 10 41 13.3–1.7 63.05N 28.11E 0 3.2,1.8L ¶610689963
HEL V 10 10 41 13.0–.20 63.10N 27.69E 0 2.0L,1.8L
ISC Event type sh.
IDC Error ellipse: s-maj=21.6km s-min=7.0km az=104.0.
HEL Event type sh. Error ellipse: s-maj=1.6km s-min=3.9km az=-1.0. Suspected explosion.
(543) Germany
ISC V 10 16 04 35.1–.83 48.78N–.02 10.16E–.03 0 32 1-4
BUG V 10 16 04 34.0–.00 48.83N 10.10E 9–5 3.2,2.8L ¶611627473
BGR V 10 16 04 35.9–.29 48.76N 10.19E 0 1.9L,2.8L
VIE V 10 16 04 36.3 48.70N 10.08E 0 2.1L,1.8b
ISC Event type km.
BUG Event type ke.
BGR Event type km. Error ellipse: s-maj=3.3km s-min=2.2km az=134.0. Mining explosion.
VIE Event type sm. 32 km N of Ulm . Suspected Mining explosion.
(460) Wyoming
ISC V 10 19 20 59.3–.76 43.65N–.05 105.36W–.04 0 67 1-68
IDC V 10 19 20 58.0–1.8 43.48N 105.31W 0 3.8b,3.5 ¶610689983
NEIC V 10 19 20 59.3–1.9 43.72N–.04 105.35W–.07 0–2 3.4L,3.5
ISC Event type sm.
NEIC Event type sm. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(548) Poland
DNK V 10 19 50 26.9–.71 54.42N 16.68E 5–16 1.9L
UPP V 10 19 50 29.0–2.9 54.60N 16.56E 0 1.8L ¶611910476
DNK Error ellipse: s-maj=11.7km s-min=9.3km az=-1.0.
UPP Error ellipse: s-maj=0.2km s-min=0.2km az=-1.0.
(326) Southwestern Siberia
ISC V 11 07 24 15.6–3.9 53.6N–.10 90.5E–.20 0 15 3-12
IDC V 11 07 24 15.2–3.1 53.60N 90.63E 0 3.5,3.2L ¶610690025
NNC V 11 07 24 21.1–2.8 53.30N 90.23E 0 3.8b,3.5
ISC Event type sm.
IDC Error ellipse: s-maj=26.6km s-min=21.4km az=50.0.
NNC Event type sm. Error ellipse: s-maj=22.6km s-min=17.8km az=77.0. Suspected Mining explosion.
(721) Finland
HEL V 11 11 48 40.5–.10 64.00N 28.08E 0 1.2L
¶616248352
HEL Event type sh. Error ellipse: s-maj=0.7km s-min=1.3km az=-1.0. Suspected explosion.
(536) Sweden
HEL V 11 11 50 00.7–.30 67.67N 20.82E 0 1.4L
¶616248353
HEL Event type sh. Error ellipse: s-maj=1.4km s-min=6.2km az=-1.0. Suspected explosion.
(537) Baltic Sea
ISC V 11 14 16 02.0–.83 58.82N–.02 18.67E–.03 0 53 0-11
UPP V 11 14 16 02.0–.20 58.81N 18.66E 0 2.1L ¶610690051
HEL V 11 14 16 02.8–.20 58.82N 18.54E 0 2.5L
IDC V 11 14 16 02.3–2.7 58.63N 18.74E 0 3.0,2.2L
DNK V 11 14 16 02.6–1.4 58.82N 18.67E 0 2.1L,2.2L
ISC Event type kh.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
HEL Event type kh. Error ellipse: s-maj=1.1km s-min=4.0km az=-1.0. Explosion.
IDC Error ellipse: s-maj=35.8km s-min=9.9km az=174.0.
DNK Event type kh. Error ellipse: s-maj=3.0km s-min=9.3km az=-1.0. Explosion.
(548) Poland
PRU V 11 14 46 46.7 50.20N 18.66E 0
¶616703848
PRU Event type ki.
(537) Baltic Sea
ISC V 11 15 07 23.0–.80 58.81N–.02 18.52E–.03 0 56 0-11
UPP V 11 15 07 23.5–.20 58.82N 18.66E 0 2.5L ¶610690053
IDC V 11 15 07 25.0–2.6 58.72N 18.70E 0 2.9,2.2L
DNK V 11 15 07 24.0–.39 58.81N 18.63E 0 2.5L,2.2L
HEL V 11 15 07 24.2–.00 58.81N 18.67E 0 2.4L,2.2L
ISC Event type kh.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=34.7km s-min=8.5km az=178.0.
DNK Event type kh. Error ellipse: s-maj=1.2km s-min=2.6km az=-1.0. Explosion.
HEL Event type kh. Error ellipse: s-maj=0.2km s-min=0.4km az=-1.0. Explosion.
(537) Baltic Sea
ISC V 11 15 27 24.9–.75 58.81N–.02 18.56E–.03 0 70 0-11
UPP V 11 15 27 25.6–.20 58.80N 18.70E 0 2.8L ¶615874350
DNK V 11 15 27 26.1–.63 58.79N 18.69E 0 2.8L
HEL V 11 15 27 26.5–.10 58.81N 18.63E 0 2.5L
BER V 11 15 27 27.3–1.8 58.80N 18.67E 0 2.5L,2.0L
IDC V 11 15 27 30.0–3.3 59.04N 18.63E 0 2.9,2.2L
ISC Event type kh.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
DNK Event type kh. Error ellipse: s-maj=1.8km s-min=3.7km az=-1.0. Explosion.
HEL Event type kh. Error ellipse: s-maj=0.7km s-min=2.0km az=-1.0. Explosion.
BER Event type sh. Error ellipse: s-maj=3.5km s-min=10.6km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=38.4km s-min=10.9km az=177.0.
(537) Baltic Sea
ISC V 11 16 03 02.8–.79 58.81N–.02 18.69E–.03 0 56 0-11
UPP V 11 16 03 03.6–.20 58.80N 18.68E 0 2.2L ¶610690061
IDC V 11 16 03 04.6–2.0 58.80N 18.72E 0 2.9,2.1L
HEL V 11 16 03 04.5–.10 58.82N 18.61E 0 2.3L,2.1L
DNK V 11 16 03 04.0–1.6 58.79N 18.67E 0 3.0L,2.2L
ISC Event type kh.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=21.9km s-min=7.7km az=175.0.

HEL Event type kh. Error ellipse: s-maj=0.6km s-min=1.7km az=-1.0. Explosion.
DNK Event type kh. Error ellipse: s-maj=3.1km s-min=10.5km az=-1.0. Explosion.

(537) Baltic Sea
ISC V 11 16 03 07.3–1.2 58.73N–.04 18.71E–.07 0 22 0-2
UPP V 11 16 03 07.7–.20 58.72N 18.68E 0 2.3L **¶611910512**
DNK V 11 16 03 08.3–.73 58.72N 18.68E 0 2.3L
ISC Event type kh.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
DNK Event type kh. Error ellipse: s-maj=2.5km s-min=7.5km az=-1.0. Explosion.

(535) Southern Norway
DNK V 11 16 14 46.2–.84 58.50N 8.84E 0 1.4L
¶615874354
DNK Event type sh. Error ellipse: s-maj=4.6km s-min=10.6km az=-1.0. Suspected explosion.

(460) Wyoming
ISC V 11 20 05 22.4–.86 43.81N–.06 105.23W–.07 0 4.1b 56 1-90
IDC V 11 20 05 22.4–1.8 43.85N 105.53W 0 4.1b,3.7 **¶610690080**
NEIC V 11 20 05 23.2–1.1 43.79N–.05 105.25W–.07 0–2 3.3L,3.7
ISC Event type sm.
NEIC Event type sm. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(724) Baltic States-Belarus-Northwestern Russia
HEL V 12 03 59 37.5–.10 67.63N 33.78E 0 1.6L
¶615317782
HEL Event type kh. Error ellipse: s-maj=1.7km s-min=3.1km az=-1.0. Explosion.

(326) Southwestern Siberia
ISC V 12 05 19 24.8–3.4 54.1N–.20 86.6E–.10 0 16 1-10
IDC V 12 05 19 25.2–2.5 54.04N 86.69E 0 3.5,3.1L **¶610690101**
NNC V 12 05 19 27.0–2.5 54.02N 86.47E 0 3.8b,3.1
ISC Event type sm.
IDC Error ellipse: s-maj=20.1km s-min=12.6km az=61.0.
NNC Event type sm. Error ellipse: s-maj=18.7km s-min=9.9km az=32.0. Suspected Mining explosion.

(548) Poland
ISC V 12 05 32 42.1–.68 50.13N–.02 18.47E–.02 0 110 0-12
MCSM V 12 05 32 41.9–.30 50N–5.0 19E–2.0 4–3 3.4L **¶610630793**
BGR V 12 05 32 42.4–.75 50.08N 18.50E 1 3.3L
VIE V 12 05 32 43.7 50.15N 18.05E 0 2.8L,2.7b
IPEC V 12 05 32 43.3–.16 50.06N 18.48E 1 3.1L,2.7b
PRU V 12 05 32 43.7 50.04N 18.39E 0 3.1L,2.7b
IDC V 12 05 32 44.6–.96 49.99N 18.33E 0 3.2,2.9L
ISC Event type sr.
BGR Event type ki. Error ellipse: s-maj=11.1km s-min=7.8km az=89.0.
VIE Event type sr. 38 km NNW of Ostrava . Suspected Mining induced.
IPEC Event type ki. Error ellipse: s-maj=1.8km s-min=1.0km az=163.0.
PRU Event type ki.
IDC Error ellipse: s-maj=19.1km s-min=8.1km az=148.0.

(326) Southwestern Siberia
ISC V 12 08 51 24.1–4.2 54.3N–.20 87.2E–.20 0 14 1-10
NNC V 12 08 51 25.8–2.8 54.08N 87.19E 0 3.1b,2.9 **¶610690111**
IDC V 12 08 51 26.1–2.4 54.11N 87.15E 0 3.4,3.0L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=21.2km s-min=13.5km az=31.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=22.3km s-min=13.3km az=62.0.

(326) Southwestern Siberia
ISC V 12 09 19 27.5–1.5 53.8N–.10 90.81E–.08 0 14 4-12
IDC V 12 09 19 27.2–2.1 53.62N 90.93E 0 3.5,3.2L **¶610690116**
NNC V 12 09 19 29.1–4.0 53.79N 90.62E 0 3.8b,3.5
ISC Event type sm.
IDC Error ellipse: s-maj=21.8km s-min=16.2km az=12.0.
NNC Event type sm. Error ellipse: s-maj=32.3km s-min=24.8km az=30.0. Suspected Mining explosion.

(723) Finland-Karelia border region
ISC V 12 09 59 33.3–1.1 64.80N–.03 30.57E–.06 0 34 1-10
UPP V 12 09 59 27.8–3.1 64.38N 31.59E 0 1.7L **¶610690123**
KOLA V 12 09 59 31.9 64.61N 30.65E 0 2.7L
HEL V 12 09 59 32.8–.10 64.78N 30.82E 0 2.1L
IDC V 12 09 59 33.8–3.0 64.71N 30.83E 0 2.9,2.1L
ISC Event type kh.
UPP Error ellipse: s-maj=0.2km s-min=0.5km az=-1.0.
KOLA Error ellipse: s-maj=20.1km s-min=13.9km az=160.0. Kostomuksha, Karelia.
HEL Event type kh. Error ellipse: s-maj=0.6km s-min=1.2km az=-1.0. Explosion.
IDC Error ellipse: s-maj=43.8km s-min=10.0km az=104.0.

(721) Finland
ISC V 12 11 29 39.7–.76 63.93N–.03 28.11E–.03 0 44 1-8
IDC V 12 11 29 40.7–2.2 63.84N 28.75E 0 2.7,1.8L **¶610690128**
HEL V 12 11 29 40.1–.10 63.98N 28.11E 0 1.7L,1.8L
ISC Event type sh.
IDC Error ellipse: s-maj=37.1km s-min=13.8km az=100.0.
HEL Event type sh. Error ellipse: s-maj=0.7km s-min=1.6km az=-1.0. Suspected explosion.

(724) Baltic States-Belarus-Northwestern Russia
ISC V 12 16 02 09.3–.89 67.61N–.04 33.87E–.03 0 46 0-11
HEL V 12 16 02 09.6–.20 67.57N 33.92E 0 1.7L **¶610690139**
KOLA V 12 16 02 10.0 67.64N 33.84E 0 1.8L
IDC V 12 16 02 13.8–3.6 67.66N 33.21E 0 2.8,2.6L
ISC Event type sh.
HEL Event type sh. Error ellipse: s-maj=2.0km s-min=4.6km az=-1.0. Suspected explosion.
KOLA Error ellipse: s-maj=5.6km s-min=2.2km az=150.0. Khibiny, mines Rasvumchorr, Central.
IDC Error ellipse: s-maj=40.4km s-min=26.3km az=38.0.

(548) Poland
ISC V 12 16 57 35.2–2.0 51.53N–.09 16.15E–.05 0 34 1-3
PRU V 12 16 57 36.3 51.50N 16.13E 0 **¶616703866**
ISC Event type ki.
PRU Event type ki.

(536) Sweden
ISC V 12 23 40 42.1–.81 67.85N–.02 20.25E–.03 0 50 0-8
HEL V 12 23 40 41.8–.10 67.84N 20.17E 0 1.8L **¶610690152**
UPP V 12 23 40 41.5–.00 67.85N 20.20E 0 1.9L
IDC V 12 23 40 42.9–1.3 67.84N 20.52E 0 2.7,2.1L
ISC Event type sh.
HEL Event type sh. Error ellipse: s-maj=0.8km s-min=2.8km az=-1.0. Suspected explosion.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=19.8km s-min=9.3km az=113.0.

(724) Baltic States-Belarus-Northwestern Russia
HEL V 13 04 11 09.0–.20 67.62N 33.76E 0 1.6L
¶616248438
HEL Event type sh. Error ellipse: s-maj=2.2km s-min=4.5km az=-1.0. Suspected explosion.

(536) Sweden
HEL V 13 04 11 56.1–.60 67.84N 20.11E 0 1.1L
¶616248439
HEL Event type kh. Error ellipse: s-maj=2.4km s-min=10.8km az=-1.0. Explosion.

(326) Southwestern Siberia
ISC V 13 07 46 19.6–4.2 54.0N–.20 90.9E–.20 0 12 4-12
NNC V 13 07 46 21.8–6.0 53.99N 90.69E 0 3.4b,3.0 **¶610690180**
IDC V 13 07 46 23.3–3.9 53.59N 90.74E 0 3.1,2.6L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=55.5km s-min=35.5km az=22.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=37.2km s-min=26.0km az=51.0.

(536) Sweden
ISC V 13 19 37 11.8–1.0 67.81N–.03 20.27E–.04 0 16 0-8
UPP V 13 19 37 11.6–.00 67.82N 20.22E 0 2.3L **¶610690211**
IDC V 13 19 37 13.3–1.4 67.84N 20.73E 0 2.6,2.0L
ISC Event type ki.
UPP Event type ki. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Confirmed Induced event.
IDC Error ellipse: s-maj=21.9km s-min=7.8km az=118.0.

(547) Czech and Slovak Republics
PRU V 13 22 09 32.4 49.81N 18.47E 0
VIE V 13 22 09 30.9 49.70N 18.58E 0 2.5L,2.0b **¶610638573**
IPEC V 13 22 09 31.9–.16 49.83N 18.56E 1 2.2L,2.0b
PRU Event type ki. Mining Induced Event Csm, E=8.3e+05.
VIE Event type sr. 28 km ESE of Ostrava . Suspected Mining induced.
IPEC Event type ki. Error ellipse: s-maj=1.7km s-min=1.1km az=163.0.

(548) Poland
ISC V 13 22 31 46.2–1.2 51.47N–.05 16.10E–.03 0 52 1-4
VIE V 13 22 31 47.5 51.39N 15.96E 0 2.5L,2.2b **¶610639730**
PRU V 13 22 31 47.4 51.45N 16.10E 0 2.5L,2.2b
ISC Event type sr.
VIE Event type sr. 80 km WNW of Wroclaw . Suspected Mining induced.
PRU Event type ki.

(724) Baltic States-Belarus-Northwestern Russia
HEL V 14 04 11 00.1–.20 67.63N 33.76E 0 1.3L
¶616248463
HEL Event type sh. Error ellipse: s-maj=2.6km s-min=5.1km az=-1.0. Suspected explosion.

(536) Sweden
HEL V 14 04 11 12.3–.40 67.90N 20.03E 0 1.4L
¶616248464
HEL Event type kh. Error ellipse: s-maj=1.6km s-min=6.9km az=-1.0. Explosion.

(329) Eastern Kazakhstan
ISC V 14 07 17 38.9–.95 50.01N–.06 78.72E–.09 0 29 1-8
NNC V 14 07 17 37.4–.49 50.03N 78.95E 0 3.0b,2.8 **¶610690253**
IDC V 14 07 17 39.5–.85 50.05N 78.83E 0 2.9,2.4L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=12.9km s-min=2.4km az=65.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=12.5km s-min=6.1km az=58.0.

(724) Baltic States-Belarus-Northwestern Russia
ISC V 14 11 00 49.6–.96 67.64N–.04 34.22E–.04 0 48 0-12
HEL V 14 11 00 49.7–.30 67.58N 34.29E 0 2.1L **¶610690268**
KOLA V 14 11 00 50.8 67.67N 34.13E 0 2.1L
IDC V 14 11 00 52.8–2.1 67.63N 33.75E 0 3.5,2.1L
ISC Event type sh.
HEL Event type sh. Error ellipse: s-maj=2.3km s-min=5.4km az=-1.0. Suspected explosion.
KOLA Khibiny, mines Koashva, Nyurkpakh.
IDC Error ellipse: s-maj=23.3km s-min=12.1km az=75.0.

(358) Romania
BEO V 14 12 12 06.0–.50 44.13N 22.15E 0 1.4L
¶615317798
BEO Event type km. Mining explosion.

(329) Eastern Kazakhstan
ISC V 14 13 11 49.4–.81 49.98N–.04 78.68E–.07 0 33 1-8
NNC V 14 13 11 49.4–.61 50.03N 78.81E 0 3.2b,2.9 **¶610690276**
IDC V 14 13 11 50.9–.86 50.07N 78.80E 0 3.0,2.5L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=11.4km s-min=3.1km az=72.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=14.6km s-min=6.1km az=60.0.

(548) Poland
ISC V 14 15 26 21.8–.79 51.61N–.03 16.12E–.02 0 69 1-6
DNK V 14 15 26 22.3–1.6 51.50N 15.53E 10–82 2.0L **¶610639750**
IPEC V 14 15 26 23.1–.29 51.53N 16.20E 0 2.2L
PRU V 14 15 26 24.7 51.45N 16.08E 0 2.2L
VIE V 14 15 26 24.4 51.44N 16.17E 0 2.7L,2.2b
ISC Event type sr.
DNK Error ellipse: s-maj=72.7km s-min=71.2km az=-1.0.
IPEC Event type ki. Error ellipse: s-maj=3.2km s-min=1.7km az=65.0.
PRU Event type ki.
VIE Event type sr. 70 km NW of Wroclaw . Suspected Mining induced.

(548) Poland
ISC V 15 00 59 48.2–.76 51.59N–.02 16.16E–.03 0 91 1-6
IPEC V 15 00 59 48.9–.27 51.54N 16.29E 0 2.4L **¶610642199**
UPP V 15 00 59 49.5–3.3 51.48N 15.48E 0 1.7L
VIE V 15 00 59 50.6 51.45N 16.40E 0 2.7L,2.3b
DNK V 15 00 59 50.0–2.0 51.35N 15.82E 44–25 1.6L,2.3b
PRU V 15 00 59 50.5 51.46N 16.09E 0 1.6L,2.3b
ISC Event type sr.
IPEC Event type ki. Error ellipse: s-maj=2.8km s-min=1.5km az=64.0.
UPP Error ellipse: s-maj=0.3km s-min=0.3km az=-1.0.
VIE Event type sr. 58 km NW of Wroclaw . Suspected Mining induced.
DNK Error ellipse: s-maj=14.2km s-min=42.0km az=-1.0.
PRU Event type ki.

(326) Southwestern Siberia
ISC V 15 08 23 40.6–4.7 54.0N–.30 87.0E–.20 0 7 1-8
IDC V 15 08 23 43.6–2.5 53.72N 86.79E 0 2.9,2.6L **¶610690327**
NNC V 15 08 23 43.1–.94 53.79N 86.82E 0 2.5b,2.4
ISC Event type sm.
IDC Error ellipse: s-maj=21.9km s-min=13.2km az=71.0.
NNC Event type sm. Error ellipse: s-maj=5.6km s-min=4.2km az=81.0. Suspected Mining explosion.

(547) Czech and Slovak Republics
ISC V 15 10 55 35.7–1.9 49.31N–.10 14.91E–.08 0 11 1-2
VIE V 15 10 55 36.1 49.26N 14.91E 0 2.5L,2.2b **¶611627515**
ISC Event type sm.
VIE Event type sm. 37 km NNW of Litschau . Suspected Mining explosion.

(721) Finland
ISC V 15 11 29 25.0–.75 63.90N–.03 28.12E–.03 0 52 1-6
IDC V 15 11 29 26.7–2.1 63.95N 28.44E 0 2.5,1.6L **¶610690337**
HEL V 15 11 29 26.4–.10 63.98N 28.09E 0 1.5L,1.6L
KOLA V 15 11 29 26.1 64.26N 31.75E 0 1.9L,1.6L
UPP V 15 11 29 28.0–3.0 63.88N 27.75E 0 1.6L,1.6L
ISC Event type sh.
IDC Error ellipse: s-maj=45.4km s-min=10.9km az=97.0.
HEL Event type sh. Error ellipse: s-maj=1.0km s-min=2.0km az=-1.0. Suspected explosion.
KOLA Karelia.
UPP Error ellipse: s-maj=0.1km s-min=0.4km az=-1.0.

(329) Eastern Kazakhstan
ISC V 15 13 05 42.3–.98 50.09N–.05 78.70E–.09 0 29 1-6
NNC V 15 13 05 41.4–.62 49.98N 78.66E 0 2.9b,2.5 **¶610690340**
IDC V 15 13 05 42.7–.88 50.07N 78.81E 0 2.7,2.3L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=16.9km s-min=2.4km az=75.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=12.7km s-min=6.3km az=58.0.

(548) Poland
ISC V 15 15 50 23.6–.82 51.46N–.04 16.04E–.02 0 71 1-19
IPEC V 15 15 50 24.1–.38 51.51N 16.16E 1–2 2.4L **¶610642205**
IDC V 15 15 50 26.0–1.2 51.45N 15.88E 0 3.1,2.7L
PRU V 15 15 50 25.7 51.42N 16.02E 0 3.1,2.7L
VIE V 15 15 50 26.4 51.31N 15.83E 0 2.6L,2.4b
ISC Event type sr.
IPEC Event type ki. Error ellipse: s-maj=3.8km s-min=1.7km az=55.0.
IDC Error ellipse: s-maj=18.8km s-min=9.5km az=126.0.
PRU Event type ki.
VIE Event type sr. 77 km NE of Liberec . Suspected Mining induced.

(547) Czech and Slovak Republics
ISC V 15 15 53 06.7–.80 49.81N–.04 18.53E–.02 0 42 0-3
VIE V 15 15 53 06.6 49.73N 18.58E 0 2.8b,2.1L **¶610642206**
PRU V 15 15 53 07.7 49.80N 18.51E 0 2.8b,2.1L
IPEC V 15 15 53 07.1–.16 49.84N 18.56E 1 2.0L,2.1L
ISC Event type sr.
VIE Event type sr. 26 km ESE of Ostrava . Suspected Mining induced.
PRU Event type ki. Mining Induced Event Csm, E=9.5e+04.
IPEC Event type ki. Error ellipse: s-maj=1.7km s-min=1.1km az=163.0.

(537) Baltic Sea
ISC V 15 18 43 24.1–.76 58.81N–.02 18.72E–.03 0 63 0-11
UPP V 15 18 43 24.6–.20 58.81N 18.67E 0 2.7L **¶610690350**
IDC V 15 18 43 25.5–1.2 58.73N 18.78E 0 3.0,2.6L
HEL V 15 18 43 25.4–.00 58.83N 18.54E 0 2.3L,2.6L
DNK V 15 18 43 25.1–1.6 58.82N 18.66E 0 2.7L,2.7L
ISC Event type kh.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=16.9km s-min=10.5km az=179.0.

HEL Event type kh. Error ellipse: s-maj=0.1km s-min=0.2km az=-1.0. Explosion.
DNK Event type kh. Error ellipse: s-maj=2.3km s-min=7.9km az=-1.0. Explosion.
(537) Baltic Sea
UPP V 15 18 43 41.4–.50 58.87N 18.61E 0 3.2L
DNK V 15 18 43 41.4–.62 58.83N 18.61E 0 3.2L ¶611910545
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
DNK Event type kh. Error ellipse: s-maj=6.9km s-min=4.8km az=-1.0. Explosion.
(537) Baltic Sea
ISC V 15 18 56 06.2–.74 58.84N–.02 18.50E–.02 0 87 0-11
IDC V 15 18 56 05.0–2.8 58.47N 18.74E 0 3.2,2.7L ¶610690351
UPP V 15 18 56 06.6–.20 58.81N 18.67E 0 2.3L,2.7L
DNK V 15 18 56 06.9–1.9 58.81N 18.67E 0 3.0L,2.3L
HEL V 15 18 56 07.4–.10 58.82N 18.61E 0 2.5L,2.3L
BER V 15 18 56 08.9–1.5 58.72N 18.42E 0 2.5L,2.1L
ISC Event type kh.
IDC Error ellipse: s-maj=36.4km s-min=9.6km az=176.0.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
DNK Event type kh. Error ellipse: s-maj=2.7km s-min=9.2km az=-1.0. Explosion.
HEL Event type kh. Error ellipse: s-maj=0.6km s-min=1.2km az=-1.0. Explosion.
BER Event type sh. Error ellipse: s-maj=6.9km s-min=9.8km az=-1.0. Suspected explosion.
(537) Baltic Sea
ISC V 15 19 18 40.4–.76 58.81N–.02 18.59E–.03 0 84 0-12
UPP V 15 19 18 40.7–.20 58.80N 18.69E 0 2.3L ¶610642191
HEL V 15 19 18 41.7–.10 58.82N 18.62E 0 2.5L
DNK V 15 19 18 41.0–1.4 58.80N 18.69E 0 3.2L,2.3L
BER V 15 19 18 42.5–1.9 58.82N 18.52E 0 2.5L,2.1L
IDC V 15 19 18 43.1–1.1 58.83N 18.72E 0 3.1,2.7L
ISC Event type kh.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
HEL Event type kh. Error ellipse: s-maj=0.7km s-min=1.4km az=-1.0. Explosion.
DNK Event type kh. Error ellipse: s-maj=2.2km s-min=10.6km az=-1.0. Explosion.
BER Event type sh. Error ellipse: s-maj=3.9km s-min=7.3km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=14.2km s-min=9.2km az=3.0.
(537) Baltic Sea
ISC V 15 19 31 36.1–.73 58.81N–.02 18.65E–.02 0 66 0-11
UPP V 15 19 31 36.7–.20 58.81N 18.67E 0 2.2L ¶610690353
IDC V 15 19 31 37.6–2.3 58.70N 18.73E 0 2.9,2.3L
DNK V 15 19 31 37.1–.92 58.80N 18.65E 0 2.8L,2.2L
HEL V 15 19 31 37.6–.00 58.81N 18.61E 0 2.3L,2.2L
ISC Event type kh.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=29.1km s-min=9.5km az=173.0.
DNK Event type kh. Error ellipse: s-maj=1.3km s-min=4.9km az=-1.0. Explosion.
HEL Event type kh. Error ellipse: s-maj=0.2km s-min=0.4km az=-1.0. Explosion.
(537) Baltic Sea
UPP V 15 19 31 49.0–.30 58.84N 18.66E 0 3.1L
DNK V 15 19 31 49.5–.78 58.83N 18.65E 0 3.1L ¶611910555
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
DNK Event type kh. Error ellipse: s-maj=2.6km s-min=7.0km az=-1.0. Explosion.
(537) Baltic Sea
ISC V 15 19 41 35.7–.81 58.83N–.02 18.52E–.03 0 51 0-4
UPP V 15 19 41 36.2–.20 58.81N 18.68E 0 3.0L ¶610690354
DNK V 15 19 41 36.7–.48 58.81N 18.65E 0 3.0L
HEL V 15 19 41 37.1–.10 58.82N 18.61E 0 2.6L
ISC Event type kh.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
DNK Event type kh. Error ellipse: s-maj=1.1km s-min=3.1km az=-1.0. Explosion.
HEL Event type kh. Error ellipse: s-maj=0.6km s-min=1.7km az=-1.0. Explosion.
(537) Baltic Sea
ISC V 15 19 42 00.7–.85 58.80N–.04 18.77E–.05 0 42 0-19
UPP V 15 19 42 04.2–.60 58.86N 18.57E 0 2.7L ¶615874385
DNK V 15 19 42 04.2–.30 58.84N 18.58E 0 2.7L
IDC V 15 19 42 05.4–.99 58.90N 18.79E 0 3.6,3.1L
ISC Event type kh.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
DNK Event type kh. Error ellipse: s-maj=1.2km s-min=2.5km az=-1.0. Explosion.
IDC Error ellipse: s-maj=14.0km s-min=9.9km az=16.0.
(537) Baltic Sea
ISC V 15 19 50 32.0–.70 58.80N–.02 18.67E–.02 0 100 0-12
UPP V 15 19 50 32.7–.20 58.80N 18.69E 0 2.4L ¶610690355
DNK V 15 19 50 33.0–2.0 58.79N 18.67E 0 2.9L,2.4L
HEL V 15 19 50 33.7–.10 58.81N 18.68E 0 2.6L,2.4L
IDC V 15 19 50 34.2–1.1 58.74N 18.74E 0 3.3,2.9L
BER V 15 19 50 36.2–1.8 58.82N 18.44E 0 2.6L,2.3L
ISC Event type kh.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
DNK Event type kh. Error ellipse: s-maj=3.0km s-min=10.5km az=-1.0. Explosion.
HEL Event type kh. Error ellipse: s-maj=0.6km s-min=1.4km az=-1.0. Explosion.
IDC Error ellipse: s-maj=16.3km s-min=9.0km az=7.0.
BER Event type sh. Error ellipse: s-maj=9.5km s-min=9.5km az=-1.0. Suspected explosion.
(537) Baltic Sea
UPP V 15 19 50 36.4–.40 58.81N 18.68E 0 3.1L
DNK V 15 19 50 37.1–.94 58.82N 18.66E 0 3.1L ¶611910558
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
DNK Event type kh. Error ellipse: s-maj=3.6km s-min=6.2km az=-1.0. Explosion.
(724) Baltic States-Belarus-Northwestern Russia
HEL V 16 04 07 36.7–.20 67.61N 33.31E 0 1.3L
¶616248549
HEL Event type sh. Error ellipse: s-maj=2.5km s-min=4.7km az=-1.0. Suspected explosion.
(536) Sweden
HEL V 16 04 07 51.5–.30 67.83N 20.21E 0 1.4L
¶616248550
HEL Event type sh. Error ellipse: s-maj=1.3km s-min=5.5km az=-1.0. Suspected explosion.
(326) Southwestern Siberia
ISC V 16 04 26 52.1–4.3 53.9N–.20 91.0E–.20 0 10 4-9
NNC V 16 04 26 53.3–3.9 53.99N 90.85E 0 3.4b,3.2 ¶610690381
IDC V 16 04 26 54.4–4.0 53.77N 90.76E 0 3.2,2.9L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=37.4km s-min=26.3km az=6.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=40.4km s-min=24.8km az=29.0.
(326) Southwestern Siberia
ISC V 16 06 41 12.3–2.4 52.89N–.06 86.6E–.10 0 11 1-7
IDC V 16 06 41 16.8–2.5 53.62N 87.00E 0 2.9,2.5L ¶610690392
NNC V 16 06 41 17.3–5.3 53.54N 86.93E 0 2.8b,2.5
ISC Event type sm.
IDC Error ellipse: s-maj=23.0km s-min=14.4km az=73.0.
NNC Event type sm. Error ellipse: s-maj=39.8km s-min=20.1km az=61.0. Suspected Mining explosion.
(723) Finland-Karelia border region
ISC V 16 10 00 34.4–1.0 64.71N–.03 30.60E–.05 0 53 1-10
IDC V 16 10 00 33.6–2.9 64.55N 31.15E 0 2.7,1.9L ¶610690408
HEL V 16 10 00 33.9–.20 64.67N 30.78E 0 1.7L,1.9L
KOLA V 16 10 00 35.2 64.64N 30.92E 0 2.1L,1.9L
UPP V 16 10 00 35.5–2.9 64.42N 30.51E 0 1.6L,1.9L
ISC Event type sh.
IDC Error ellipse: s-maj=40.8km s-min=10.4km az=105.0.
HEL Event type sh. Error ellipse: s-maj=0.8km s-min=3.8km az=-1.0. Suspected explosion.
KOLA Error ellipse: s-maj=41.3km s-min=14.0km az=160.0. Kostomuksha, Karelia.
UPP Error ellipse: s-maj=0.1km s-min=0.5km az=-1.0.
(464) Minnesota
ISC V 16 16 30 19.3–.98 47.55N–.05 92.68W–.04 0 17 1-19
NEIC V 16 16 30 19.4–1.2 47.59N–.04 92.68W–.04 0–1 2.8,2.8L ¶610690433
IDC V 16 16 30 24.1–3.8 47.72N 92.78W 0 2.5,0.9L
ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=6.2km s-min=4.2km az=10.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=63.6km s-min=27.3km az=51.0.
(536) Sweden
ISC V 16 17 02 51.2–.77 67.05N–.02 21.05E–.03 0 60 0-7
UPP V 16 17 02 51.8–.10 67.05N 20.97E 0 2.4L ¶610690435
IDC V 16 17 02 52.1–1.0 67.05N 20.97E 0 2.7,2.0L
HEL V 16 17 02 52.8–.40 67.06N 21.16E 0 2.2L,2.0L
ISC Event type kh.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=16.1km s-min=8.5km az=108.0.
HEL Event type kh. Error ellipse: s-maj=1.8km s-min=7.3km az=-1.0. Explosion.
(460) Wyoming
ISC V 16 19 18 01.6–1.0 43.62N–.05 105.36W–.05 0 32 1-11
NEIC V 16 19 18 02.2–1.6 43.62N–.04 105.34W–.07 0–1 3.4L ¶610690438
IDC V 16 19 18 03.1–1.4 44.04N 105.90W 0 3.4,3.3L
ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=10.1km s-min=5.4km az=122.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=44.7km s-min=8.7km az=146.0.
(724) Baltic States-Belarus-Northwestern Russia
ISC V 17 08 45 42.8–.58 59.65N–.02 24.44E–.02 0 112 0-54
DNK V 17 08 45 39.7–1.1 59.65N 25.13E 0 3.0L ¶610690474
UPP V 17 08 45 41.3–2.6 59.70N 24.96E 0 3.0L
IDC V 17 08 45 44.8–.81 59.67N 24.56E 0 3.7,3.6L
EST V 17 08 45 44.8–.00 59.65N 24.46E 0 3.3L,3.6L
HEL V 17 08 45 45.0–.00 59.66N 24.46E 0 3.3L,3.6L
BER V 17 08 45 46.4–2.2 59.54N 24.55E 0 3.3L,2.5L
ISC Event type kh.
DNK Event type sh. Error ellipse: s-maj=24.3km s-min=27.0km az=-1.0. Suspected explosion.
UPP Error ellipse: s-maj=0.2km s-min=0.4km az=-1.0.
IDC Error ellipse: s-maj=9.6km s-min=6.8km az=133.0.
EST Event type kh. Error ellipse: s-maj=0.1km s-min=0.2km az=-1.0. Explosion.
HEL Event type kh. Error ellipse: s-maj=0.1km s-min=0.2km az=-1.0. Explosion.
BER Event type sh. Error ellipse: s-maj=4.8km s-min=10.3km az=-1.0. Suspected explosion.
(723) Finland-Karelia border region
HEL V 17 10 12 11.9–.30 61.10N 29.86E 0 1.3L
¶616248610
HEL Event type sh. Error ellipse: s-maj=2.1km s-min=4.4km az=-1.0. Suspected explosion.
(329) Eastern Kazakhstan
ISC V 17 13 25 02.8–.90 50.16N–.05 79.18E–.07 0 19 1-8
NNC V 17 13 25 07.0–1.4 49.99N 78.70E 0 3.4b,3.0 ¶610690496
IDC V 17 13 25 09.2–.88 50.06N 78.71E 0 2.9,2.2L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=18.3km s-min=7.0km az=82.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=10.6km s-min=6.4km az=59.0.
(547) Czech and Slovak Republics
IPEC V 17 19 09 31.8–.12 49.86N 18.54E 1 2.7L
BGR V 17 19 09 31.6–.53 49.76N 18.52E 1 3.1L ¶610641928
MCSM V 17 19 09 31.2–.30 50N–3.0 19E–2.0 2–3 3.3L
DNK V 17 19 09 58.8–.34 51.78N 17.28E 8–213 1.4L
IPEC Event type ki. Error ellipse: s-maj=1.7km s-min=0.7km az=162.0.
BGR Event type ki. Error ellipse: s-maj=13.3km s-min=4.4km az=172.0.
DNK Error ellipse: s-maj=251.1km s-min=142.5km az=-1.0.
(329) Eastern Kazakhstan
ISC V 18 07 27 02.3–.91 50.03N–.04 78.70E–.05 0 34 1-6
NNC V 18 07 27 01.2–.45 50.03N 78.85E 0 3.2b,2.8 ¶610690557
IDC V 18 07 27 01.9–.88 50.01N 78.64E 0 2.9,2.4L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=7.0km s-min=2.2km az=74.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=11.2km s-min=6.2km az=61.0.
(721) Finland
ISC V 18 07 30 14.4–.76 62.50N–.02 23.49E–.02 0 39 1-7
IDC V 18 07 30 16.5–1.1 62.48N 23.52E 0 3.2,2.4L ¶610690558
HEL V 18 07 30 16.4–.10 62.46N 23.47E 0 1.4L,2.4L
ISC Event type kh.
IDC Error ellipse: s-maj=11.4km s-min=7.0km az=45.0.
HEL Event type kh. Error ellipse: s-maj=0.9km s-min=2.1km az=-1.0. Explosion.
(536) Sweden
HEL V 18 07 30 49.0–.40 67.86N 20.11E 0 1.1L
¶616248653
HEL Event type kh. Error ellipse: s-maj=1.9km s-min=9.1km az=-1.0. Explosion.
(723) Finland-Karelia border region
ISC V 18 10 00 08.6–.83 64.68N–.02 30.40E–.04 0 55 1-6
HEL V 18 10 00 09.8–.20 64.69N 30.68E 0 1.9L ¶610690585
KOLA V 18 10 00 11.6 64.69N 30.61E 0 2.3L
IDC V 18 10 00 12.7–2.5 64.66N 30.22E 0 2.6,2.0L
ISC Event type sh.
HEL Event type sh. Error ellipse: s-maj=1.1km s-min=5.0km az=-1.0. Suspected explosion.
KOLA Error ellipse: s-maj=26.4km s-min=21.5km az=140.0. Kostomuksha, Karelia.
IDC Error ellipse: s-maj=43.4km s-min=8.5km az=100.0.
(724) Baltic States-Belarus-Northwestern Russia
ISC V 18 10 20 52.7–1.3 61.00N–.05 29.23E–.06 0 19 0-9
HEL V 18 10 20 54.0–.40 60.92N 29.21E 0 1.6L ¶610690587
IDC V 18 10 20 55.6–3.0 60.92N 29.04E 0 3.6,2.2L
ISC Event type sh.
HEL Event type sh. Error ellipse: s-maj=2.2km s-min=5.2km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=23.1km s-min=12.6km az=163.0.
(546) Austria
VIE V 18 11 59 16.9 47.09N 15.52E 0 1.5L,0.1b
¶611627597
VIE Event type sm. 3 km SE of Graz-Maria Trost . Suspected Mining explosion.
(546) Austria
LJU V 18 11 59 24.0 46.05N 13.62E 0 0.5L
¶617229486
LJU Event type kh. Explosion.
(722) Norway-Murmansk border region
HEL V 18 16 18 52.4–.50 69.36N 30.60E 0 1.4L
BER V 18 16 18 54.7–1.3 69.77N 30.57E 0 1.1L ¶615191572
HEL Event type sh. Error ellipse: s-maj=2.6km s-min=9.2km az=-1.0. Suspected explosion.
BER Event type sh. Error ellipse: s-maj=14.5km s-min=24.9km az=-1.0. Suspected explosion.
(536) Sweden
HEL V 18 16 19 39.1–.30 67.86N 20.28E 0 1.1L
¶616248675
HEL Event type sh. Error ellipse: s-maj=1.3km s-min=7.4km az=-1.0. Suspected explosion.
(724) Baltic States-Belarus-Northwestern Russia
ISC V 18 19 30 01.4–.87 57.60N–.04 21.53E–.03 0 76 0-12
IDC V 18 19 30 02.4–3.0 57.60N 21.79E 0 3.0,2.0L ¶610690615
LVSN V 18 19 30 02.7–6.7 57.47N 21.42E 0–41 2.1L,2.0L
DNK V 18 19 30 02.4–.68 57.63N 21.61E 0 2.1L,2.0L
HEL V 18 19 30 03.2–.20 57.66N 21.51E 0 1.6L,2.0L
EST V 18 19 30 03.0–.10 57.65N 21.51E 0 1.6L,2.0L
UPP V 18 19 30 05.3–1.4 57.70N 21.21E 0 2.1L,2.0L
ISC Event type kh.
IDC Error ellipse: s-maj=29.6km s-min=12.9km az=166.0.
LVSN Error ellipse: s-maj=46.8km s-min=56.2km az=-1.0.
DNK Event type sh. Error ellipse: s-maj=7.0km s-min=10.0km az=-1.0. Suspected explosion.
HEL Event type kh. Error ellipse: s-maj=1.3km s-min=0.7km az=-1.0. Explosion.
EST Event type kh. Error ellipse: s-maj=1.1km s-min=0.6km az=-1.0. Explosion.
UPP Error ellipse: s-maj=0.1km s-min=0.2km az=-1.0.
(547) Czech and Slovak Republics
ISC V 19 02 42 47.2–.74 49.80N–.03 18.51E–.02 0 65 0-4
IPEC V 19 02 42 47.4–.16 49.85N 18.56E 0 2.0L ¶610646317
PRU V 19 02 42 47.8 49.82N 18.54E 0 2.0L
VIE V 19 02 42 51.8 49.70N 18.20E 0 2.5L,2.3b
ISC Event type sr.
IPEC Event type ki. Error ellipse: s-maj=1.7km s-min=1.1km az=163.0.
PRU Event type ki. Mining Induced Event Csm, E=6.4e+05.
VIE Event type sr. 15 km SSW of Ostrava . Suspected Mining induced.
(326) Southwestern Siberia
ISC V 19 05 59 20.3–3.9 53.6N–.10 90.7E–.20 0 14 4-12
IDC V 19 05 59 17.9–3.1 53.72N 90.84E 0 3.3,3.2L ¶610690646
NNC V 19 05 59 23.6–2.7 53.31N 90.55E 0 3.9b,3.6

ISC Event type sm.
IDC Error ellipse: s-maj=26.6km s-min=21.8km az=55.0.
NNC Event type sm. Error ellipse: s-maj=20.9km s-min=17.1km az=60.0. Suspected Mining explosion.
(390) Southern Italy
ROM V 19 08 43 29.1–.03 40.691N–.00 16.674E–.00 0 1.8L ¶616384534
ROM Event type sm. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
(713) Central Kazakhstan
ISC V 19 09 03 55.5–2.6 43.65N–.08 69.9E–.10 0 18 1-5
KRNET V 19 09 03 52.7–.10 43.81N 69.82E 2.7b ¶612039202
SOME V 19 09 03 55.8 43.57N 69.82E 2.7b
NNC V 19 09 03 55.3–1.3 43.62N 69.73E 0 3.7b,3.3
ISC Event type sm.
SOME Event type kx.
NNC Event type sm. Error ellipse: s-maj=7.8km s-min=6.8km az=64.0. Suspected Mining explosion.
(724) Baltic States-Belarus-Northwestern Russia
ISC V 19 09 17 11.0–.96 59.29N–.03 27.76E–.04 0 56 1-6
HEL V 19 09 17 11.3–.30 59.31N 27.87E 0 2.0L ¶611910584
EST V 19 09 17 12.8–.10 59.29N 27.67E 0 1.9L
UPP V 19 09 17 15.1–3.0 59.48N 27.46E 0 1.8L
ISC Event type kh.
HEL Event type sh. Error ellipse: s-maj=1.5km s-min=4.5km az=-1.0. Suspected explosion.
EST Event type kh. Error ellipse: s-maj=0.3km s-min=0.4km az=-1.0. Explosion.
UPP Error ellipse: s-maj=0.2km s-min=0.4km az=-1.0.
(713) Central Kazakhstan
ISC V 19 09 54 45.7–1.6 42.58N–.04 70.00E–.09 9–18 13 0-2
SOME V 19 09 54 44.6 42.55N 69.95E 10 ¶612039210
KRNET V 19 09 54 46.8–.10 42.57N 70.10E 13 2.8b
ISC Event type ke.
(536) Sweden
ISC V 19 10 52 48.0–.95 57.57N–.03 16.09E–.04 10 16 0-2 ¶615874418
ISC Event type ke.
(721) Finland
ISC V 19 11 28 49.6–.75 63.90N–.02 28.00E–.03 0 47 1-6
HEL V 19 11 28 50.3–.10 63.97N 28.06E 0 1.6L ¶610690669
IDC V 19 11 28 52.2–1.7 63.94N 27.89E 0 2.6,1.6L
KOLA V 19 11 28 56.2 64.69N 32.09E 0 2.3L,1.6L
ISC Event type sh.
HEL Event type sh. Error ellipse: s-maj=0.9km s-min=2.0km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=44.8km s-min=10.1km az=95.0.
KOLA Karelia.
(724) Baltic States-Belarus-Northwestern Russia
ISC V 19 20 43 08.5–.66 67.56N–.04 33.86E–.03 0 66 0-58
HEL V 19 20 43 09.9–.20 67.60N 33.83E 0 2.1L ¶610690700
KOLA V 19 20 43 10.5 67.64N 33.80E 0 2.4L
IDC V 19 20 43 10.3–.85 67.76N 33.93E 0 3.5,3.4s
ISC Event type sh.
HEL Event type sh. Error ellipse: s-maj=1.9km s-min=4.1km az=-1.0. Suspected explosion.
KOLA Error ellipse: s-maj=4.6km s-min=1.6km az=150.0. Khibiny, mines Rasvumchorr, Central.
IDC Error ellipse: s-maj=11.2km s-min=8.8km az=57.0.
(460) Wyoming
ISC V 19 21 51 46.2–.81 43.63N–.04 105.27W–.03 0 3.0s 49 1-68
IDC V 19 21 51 44.1–1.8 43.47N 105.30W 0 4.1b,3.6 ¶610690701
NEIC V 19 21 51 47.8–2.1 43.63N–.06 105.28W–.07 0–2 3.3L,3.6
ISC Event type sm.
NEIC Event type sm. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(548) Poland
ISC V 20 04 23 13.3–.63 51.67N–.03 16.03E–.02 0 153 1-60
LDG V 20 04 23 10.1–.45 51.87N 16.36E 1 3.8L ¶610646339
DNK V 20 04 23 14.0–1.9 51.70N 16.09E 0–166 2.5L
IDC V 20 04 23 15.8–.79 51.57N 15.93E 0 3.3,3.3b
BGR V 20 04 23 15.7–.50 51.61N 16.00E 1 3.2L,3.3b
IPEC V 20 04 23 15.2–.23 51.60N 16.04E 1 3.1L,3.3b
PRU V 20 04 23 16.0 51.56N 15.98E 0 3.1L,3.3b
VIE V 20 04 23 16.9 51.46N 15.85E 0 3.1L,2.8b
UPP V 20 04 23 18.2–3.1 51.85N 15.56E 0 2.3L,2.8b
ISC Event type sr.
LDG Event type sr. Error ellipse: s-maj=10.6km s-min=4.6km az=15.0. Suspected Mining induced.
DNK Error ellipse: s-maj=140.8km s-min=61.6km az=-1.0.
IDC Error ellipse: s-maj=14.2km s-min=8.5km az=102.0.
BGR Event type ki. Error ellipse: s-maj=8.9km s-min=3.3km az=23.0.
IPEC Event type ki. Error ellipse: s-maj=1.7km s-min=1.0km az=29.0.
PRU Event type ki.
VIE Event type sr. 90 km WNW of Wroclaw . Suspected Mining induced.
UPP Error ellipse: s-maj=0.2km s-min=0.3km az=-1.0.
(724) Baltic States-Belarus-Northwestern Russia
ISC V 20 11 09 36.0–.74 67.57N–.03 30.48E–.02 0 77 0-11
UPP V 20 11 09 30.3–3.0 67.55N 31.73E 0 1.8L ¶610685026
BER V 20 11 09 36.2–.92 67.42N 30.71E 0 1.3L
IDC V 20 11 09 37.4–2.2 67.61N 30.35E 0 3.3,2.5L
HEL V 20 11 09 37.0–.20 67.56N 30.42E 0 1.8L,2.5L
KOLA V 20 11 09 38.3 67.62N 30.57E 0 2.2L,2.5L
ISC Event type sh.
UPP Error ellipse: s-maj=0.1km s-min=0.6km az=-1.0.
BER Event type sh. Error ellipse: s-maj=6.0km s-min=23.3km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=39.8km s-min=14.7km az=81.0.
HEL Event type sh. Error ellipse: s-maj=1.1km s-min=2.9km az=-1.0. Suspected explosion.
KOLA Error ellipse: s-maj=6.8km s-min=2.1km az=20.0. Murmansk region, Kovdor district.
(724) Baltic States-Belarus-Northwestern Russia
HEL V 20 12 29 58.6–.20 67.66N 33.67E 0 1.1L ¶616248736
HEL Event type sh. Error ellipse: s-maj=2.2km s-min=4.0km az=-1.0. Suspected explosion.
(536) Sweden
HEL V 20 12 31 25.3–.20 67.84N 20.16E 0 1.3L ¶616248737
HEL Event type sh. Error ellipse: s-maj=0.9km s-min=4.8km az=-1.0. Suspected explosion.
(724) Baltic States-Belarus-Northwestern Russia
ISC V 20 17 10 42.5–.91 67.66N–.04 34.01E–.04 0 52 0-7
HEL V 20 17 10 41.7–.20 67.56N 34.09E 0 2.2L ¶615317861
KOLA V 20 17 10 42.6 67.63N 34.06E 0 2.5L
ISC Event type kh.
HEL Event type kh. Error ellipse: s-maj=1.4km s-min=3.1km az=-1.0. Explosion.
KOLA Error ellipse: s-maj=5.0km s-min=1.6km az=140.0. Khibiny, mines Koashva, Nyurkpakh.
(335) Ural Mountains region
ISC V 21 02 59 55.9–.79 57.98N–.03 60.06E–.04 0 35 1-9
MIRAS V 21 02 59 58.0 57.90N 59.86E 0 2.9L ¶612039282
NNC V 21 03 00 10.8–14 57.20N 61.10E 0 3.5b,3.2
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=118.7km s-min=52.1km az=161.0. Suspected Mining explosion.
(722) Norway-Murmansk border region
HEL V 21 04 10 21.1–.50 69.27N 30.73E 0 0.9L ¶616248767
HEL Event type kh. Error ellipse: s-maj=2.6km s-min=9.0km az=-1.0. Explosion.
(536) Sweden
HEL V 21 04 11 38.2–.30 67.85N 20.13E 0 1.2L ¶616248768
HEL Event type kh. Error ellipse: s-maj=1.2km s-min=6.6km az=-1.0. Explosion.
(366) Turkey
ISK V 21 09 12 57.1 37.21N 27.87E 0–0 1.8L ¶611508041
ISK Event type sm. Suspected Mining explosion.
(536) Sweden
ISC V 21 09 39 56.3–.78 67.63N–.02 21.04E–.03 0 52 0-7
IDC V 21 09 39 55.9–2.2 67.63N 20.91E 0 2.5,1.8L ¶610685078
UPP V 21 09 39 56.1–.00 67.63N 21.02E 0 2.3L,1.8L
HEL V 21 09 39 56.2–.30 67.62N 20.97E 0 1.5L,1.8L
ISC Event type sh.
IDC Error ellipse: s-maj=31.8km s-min=11.4km az=100.0.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
HEL Event type sh. Error ellipse: s-maj=1.1km s-min=5.6km az=-1.0. Suspected explosion.
(724) Baltic States-Belarus-Northwestern Russia
HEL V 21 21 19 24.7–.20 67.62N 33.83E 0 1.4L ¶616248796
HEL Event type sh. Error ellipse: s-maj=2.0km s-min=3.8km az=-1.0. Suspected explosion.
(536) Sweden
HEL V 21 21 19 29.8–.40 67.82N 20.15E 0 1.0L ¶616248797
HEL Event type kh. Error ellipse: s-maj=1.8km s-min=6.7km az=-1.0. Explosion.
(456) Montana
ISC V 21 22 31 37.9–1.2 45.14N–.07 106.71W–.07 0 33 2-9
IDC V 21 22 31 37.6–1.4 44.83N 106.70W 0 3.4,2.0L ¶610685108
NEIC V 21 22 31 38.4–1.1 45.11N–.04 106.73W–.05 0–2 2.8L,2.0L
ISC Event type sm.
NEIC Event type sm. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(326) Southwestern Siberia
ISC V 22 06 06 53.2–4.6 54.3N–.20 86.6E–.20 0 11 1-8
IDC V 22 06 06 50.2–2.9 54.36N 86.98E 0 3.2,2.8L ¶610685134
NNC V 22 06 06 51.3–2.1 54.38N 86.84E 0 3.3b,3.1
ISC Event type sm.
IDC Error ellipse: s-maj=25.1km s-min=16.4km az=62.0.
NNC Event type sm. Error ellipse: s-maj=25.3km s-min=11.1km az=172.0. Suspected Mining explosion.
(320) Kyrgyzstan-Xinjiang border region
ISC V 22 07 03 54.1–2.6 41.7N–.10 77.93E–.08 0 18 2-3
SOME V 22 07 03 52.8 41.73N 77.93E 0 ¶612039320
NNC V 22 07 03 52.2–1.8 41.62N 77.98E 0 3.2b,2.8
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=12.9km s-min=8.2km az=9.0. Suspected Mining explosion.
(366) Turkey
ISK V 22 10 23 48.5 41.29N 28.71E 0–0 1.6L
DDA V 22 10 23 51.8–.00 41.15N 28.39E 8–4 1.2L ¶612623471
ISK Event type sm. Suspected Mining explosion.
(464) Minnesota
ISC V 22 17 22 51.6–.82 47.51N–.04 92.57W–.04 0 18 1-19
NEIC V 22 17 22 51.8–.76 47.53N–.02 92.57W–.03 0–2 2.4L,2.3 ¶610685169
IDC V 22 17 22 52.1–3.9 47.59N 92.36W 0 2.7,0.5L
ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=4.3km s-min=3.1km az=56.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=73.2km s-min=27.9km az=48.0.
(456) Montana
ISC V 22 18 59 11.7–.86 45.91N–.05 106.70W–.05 0 47 1-17
IDC V 22 18 59 09.4–1.4 45.90N 106.88W 0 3.1,2.8L ¶610685172
NEIC V 22 18 59 12.2–2.5 45.91N–.06 106.70W–.07 0–2 3.0L,2.8L
ISC Event type sm.
NEIC Event type sm. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(326) Southwestern Siberia
ISC V 23 06 59 43.4–4.1 53.5N–.20 90.1E–.20 0 6 3-8
NNC V 23 06 59 34.5–1.7 53.43N 90.77E 0 3.3b,3.0 ¶610685202
IDC V 23 06 59 40.4–5.9 53.61N 90.56E 0 2.8,2.3L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=12.8km s-min=11.7km az=162.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=59.4km s-min=29.5km az=46.0.
(713) Central Kazakhstan
NNC V 23 07 08 48.3–.32 49.75N 73.76E 0 3.6b,3.4 ¶612039373
NNC Event type sm. Error ellipse: s-maj=3.5km s-min=2.3km az=125.0. Suspected Mining explosion.
(329) Eastern Kazakhstan
NNC V 23 07 26 15.6–.26 50.00N 78.43E 0 3.6b,3.5 ¶612039374
NNC Event type sm. Error ellipse: s-maj=3.7km s-min=1.5km az=90.0. Suspected Mining explosion.
(547) Czech and Slovak Republics
KRSZO V 23 08 03 15.3–1.1 48.60N 20.74E 0 1.7L ¶610654694
KRSZO Event type kx. Error ellipse: s-maj=6.9km s-min=4.4km az=154.0. Explosion.
(326) Southwestern Siberia
IDC V 23 08 25 02.1–3.7 54.45N 87.00E 0 2.6,2.6L
NNC V 23 08 24 38.9–7.1 54.97N 89.55E 0 3.5b,3.2 ¶617180772
IDC Error ellipse: s-maj=30.9km s-min=20.0km az=56.0.
NNC Event type sm. Error ellipse: s-maj=73.2km s-min=43.9km az=78.0. Suspected Mining explosion.
(721) Finland
ISC V 23 08 49 35.4–.76 63.15N–.02 21.54E–.03 0 44 1-7
UPP V 23 08 49 35.9–.70 63.11N 21.68E 0 1.6L ¶610685207
HEL V 23 08 49 37.8–.10 63.15N 21.59E 0 1.5L
IDC V 23 08 49 38.3–3.1 63.22N 21.65E 0 2.9,1.9L
ISC Event type kh.
UPP Error ellipse: s-maj=0.0km s-min=0.1km az=-1.0.
HEL Event type kh. Error ellipse: s-maj=0.9km s-min=1.9km az=-1.0. Explosion.
IDC Error ellipse: s-maj=45.8km s-min=12.0km az=71.0.
(366) Turkey
ISK V 23 09 35 05.4 37.18N 27.83E 0–0 2.0L ¶611508123
ISK Event type sm. Suspected Mining explosion.
(713) Central Kazakhstan
ISC V 23 09 50 51.6–3.4 43.8N–.10 69.9E–.10 0 16 1-5
SOME V 23 09 50 51.9 43.68N 69.68E ¶612039388
NNC V 23 09 50 52.4–.55 43.62N 69.66E 0 3.9b,3.3
KRNET V 23 09 50 53.1–.10 43.61N 69.68E 2.6b,3.3
ISC Event type sm.
SOME Event type kx.
NNC Event type sm. Error ellipse: s-maj=5.5km s-min=2.7km az=50.0. Suspected Mining explosion.
(721) Finland
ISC V 23 11 32 54.0–.79 63.94N–.03 28.09E–.04 0 35 1-6
HEL V 23 11 32 54.5–.10 64.00N 28.05E 0 1.5L ¶610685214
IDC V 23 11 32 55.9–2.0 63.95N 28.10E 0 2.7,1.5L
ISC Event type sh.
HEL Event type sh. Error ellipse: s-maj=0.6km s-min=1.4km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=47.4km s-min=10.8km az=96.0.
(724) Baltic States-Belarus-Northwestern Russia
UPP V 23 13 41 41.1–3.0 55.17N 21.19E 0 2.2L
DNK V 23 13 41 31.8–4.0 55.36N 22.87E 0 2.2L ¶617229491
LVSN V 23 13 41 43.1–3.5 55.29N 20.63E 0–71 2.4L
UPP Error ellipse: s-maj=0.2km s-min=0.3km az=-1.0.
DNK Event type sh. Error ellipse: s-maj=33.2km s-min=65.8km az=-1.0. Suspected explosion.
LVSN Error ellipse: s-maj=66.8km s-min=68.2km az=-1.0.
(721) Finland
HEL V 23 14 08 23.1–.20 61.26N 21.84E 0 1.2L ¶616248863
HEL Event type kh. Error ellipse: s-maj=1.6km s-min=3.8km az=-1.0. Explosion.
(536) Sweden
HEL V 23 14 09 43.9–.30 67.85N 20.06E 0 1.4L ¶616248864
HEL Event type kh. Error ellipse: s-maj=1.2km s-min=5.5km az=-1.0. Explosion.
(724) Baltic States-Belarus-Northwestern Russia
HEL V 23 15 53 03.7–.50 67.65N 33.93E 0 1.6L ¶616248872

HEL Event type sh. Error ellipse: s-maj=2.3km s-min=7.3km az=-1.0. Suspected explosion.
(536) Sweden
HEL V 23 15 54 45.8–.30 67.86N 20.06E 0 1.1L ¶616248873
HEL Event type kh. Error ellipse: s-maj=1.3km s-min=5.3km az=-1.0. Explosion.
(24) Alberta
ISC V 23 20 12 56.5–.97 50.27N–.05 114.89W–.06 0 48 2-22
NEIC V 23 20 12 57.5–1.8 50.26N–.03 114.95W–.10 0–1 3.3L ¶610650849
IDC V 23 20 12 58.7–1.1 50.18N 115.22W 0 3.7L,3.2
ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=10.8km s-min=5.2km az=100.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=19.1km s-min=7.3km az=112.0.
(535) Southern Norway
DNK V 24 12 22 11.7–.45 59.08N 10.12E 0 1.2L ¶615874461
DNK Event type sh. Error ellipse: s-maj=2.7km s-min=5.3km az=-1.0. Suspected explosion.
(536) Sweden
DNK V 24 12 22 21.6–.52 58.59N 15.05E 0 1.4L ¶615874462
DNK Event type kh. Error ellipse: s-maj=1.0km s-min=2.5km az=-1.0. Explosion.
(460) Wyoming
ISC V 24 20 06 38.7–1.1 43.73N–.06 105.32W–.06 0 38 1-11
IDC V 24 20 06 38.7–1.7 43.83N 105.54W 0 3.6L,3.5 ¶610685313
NEIC V 24 20 06 39.4–1.6 43.74N–.04 105.30W–.07 0–2 3.1L,3.5
ISC Event type sm.
NEIC Event type sm. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(536) Sweden
HEL V 24 23 29 29.1–.40 67.16N 20.69E 0 1.4L ¶617229493
HEL Event type sh. Error ellipse: s-maj=1.7km s-min=8.5km az=-1.0. Suspected explosion.
(713) Central Kazakhstan
ISC V 25 07 17 06.5–.83 43.00N–.05 70.96E–.03 0 42 0-4
SOME V 25 07 17 05.2 42.67N 70.87E 0 ¶612039471
KRNET V 25 07 17 06.5–.10 43.02N 71.12E 11 2.6b
NNC V 25 07 17 08.3–.39 43.12N 71.02E 0 2.8b,2.5
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=13.3km s-min=1.8km az=1.0. Suspected Mining explosion.
(326) Southwestern Siberia
ISC V 25 09 12 20.6–3.2 53.6N–.10 87.8E–.20 0 16 2-10
NNC V 25 09 12 20.9–3.0 53.47N 87.95E 0 3.4b,3.0 ¶610685352
IDC V 25 09 12 21.9–2.9 53.60N 87.80E 0 3.2,2.8L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=23.6km s-min=11.8km az=65.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=25.6km s-min=16.2km az=60.0.
(326) Southwestern Siberia
ISC V 25 09 33 21.0–3.6 53.7N–.10 87.7E–.20 0 12 2-8
NNC V 25 09 33 21.7–2.2 53.49N 87.70E 0 3.3b,3.0 ¶610685357
IDC V 25 09 33 22.5–2.8 53.56N 87.64E 0 3.4,3.0L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=20.9km s-min=9.3km az=56.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=24.2km s-min=14.2km az=63.0.
(723) Finland-Karelia border region
ISC V 25 10 28 57.9–1.0 64.83N–.03 30.47E–.06 0 43 1-10
UPP V 25 10 28 53.2–3.0 64.60N 31.54E 0 1.9L ¶610685359
HEL V 25 10 28 58.1–.20 64.79N 30.76E 0 2.3L
IDC V 25 10 28 58.1–2.9 64.76N 31.23E 0 2.9,2.3L
BER V 25 10 29 00.4–1.6 64.86N 30.67E 0 2.3L,1.6L
ISC Event type kh.
UPP Error ellipse: s-maj=0.1km s-min=0.5km az=-1.0.
HEL Event type kh. Error ellipse: s-maj=0.6km s-min=1.6km az=-1.0. Explosion.
IDC Error ellipse: s-maj=45.0km s-min=10.6km az=97.0.
BER Event type sh. Error ellipse: s-maj=3.0km s-min=14.8km az=-1.0. Suspected explosion.
(464) Minnesota
ISC V 25 17 35 20.1–.93 47.62N–.04 92.46W–.04 0 17 1-19
IDC V 25 17 35 19.4–7.3 47.32N 92.36W 0 2.9,2.1L ¶610685380
NEIC V 25 17 35 22.1–1.9 47.59N–.03 92.64W–.03 0–2 3.0,3.0L
ISC Event type sm.
NEIC Event type sm. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(326) Southwestern Siberia
ISC V 26 07 15 34.3–4.0 53.7N–.10 90.6E–.20 0 13 3-9
IDC V 26 07 15 30.7–3.5 53.63N 91.03E 0 3.3,2.6L ¶610685415
NNC V 26 07 15 34.1–3.3 53.74N 90.49E 0 3.7b,3.4
ISC Event type sm.
IDC Error ellipse: s-maj=31.4km s-min=27.1km az=107.0.
NNC Event type sm. Error ellipse: s-maj=23.8km s-min=17.4km az=66.0. Suspected Mining explosion.
(326) Southwestern Siberia
ISC V 26 08 35 15.8–4.1 54.2N–.20 87.0E–.20 0 12 1-8
NNC V 26 08 35 14.1–2.5 54.11N 87.20E 0 2.9b,2.7 ¶610685422
IDC V 26 08 35 15.6–2.7 54.13N 87.10E 0 3.0,2.7L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=20.3km s-min=11.6km az=24.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=22.5km s-min=15.5km az=65.0.
(366) Turkey
ISK V 26 09 08 20.6 37.19N 28.16E 0–0 1.8L ¶611508301
ISK Event type sm. Suspected Mining explosion.
(329) Eastern Kazakhstan
ISC V 26 10 05 29.9–1.9 49.48N–.06 83.4E–.10 0 7 3-5
IDC V 26 10 05 29.3–1.9 49.57N 83.54E 0 1.8,1.6L ¶610685427
NNC V 26 10 05 31.3–4.4 49.61N 83.68E 0 3.1b,2.8
ISC Event type sm.
IDC Error ellipse: s-maj=22.8km s-min=11.4km az=85.0.
NNC Event type sm. Error ellipse: s-maj=44.6km s-min=18.3km az=55.0. Suspected Mining explosion.
(724) Baltic States-Belarus-Northwestern Russia
ISC V 26 10 41 26.9–.98 67.65N–.04 34.25E–.04 0 47 0-12
HEL V 26 10 41 26.1–.50 67.95N 34.39E 0 2.2L ¶610685428
KOLA V 26 10 41 27.4 67.65N 34.26E 0 2.4L
IDC V 26 10 41 29.6–2.0 67.70N 33.75E 0 3.3,2.4L
ISC Event type kh.
HEL Event type kh. Error ellipse: s-maj=2.9km s-min=7.8km az=-1.0. Explosion.
KOLA Murmansk region, Kirovsk district .
IDC Error ellipse: s-maj=23.0km s-min=11.6km az=78.0.
(721) Finland
ISC V 26 11 30 45.8–.79 63.91N–.03 28.04E–.04 0 46 1-8
HEL V 26 11 30 46.0–.10 63.97N 28.03E 0 1.7L ¶610685430
UPP V 26 11 30 46.0–2.3 63.81N 28.02E 0 1.6L
IDC V 26 11 30 47.1–2.0 63.93N 28.30E 0 2.6,1.7L
ISC Event type sh.
HEL Event type sh. Error ellipse: s-maj=0.6km s-min=1.4km az=-1.0. Suspected explosion.
UPP Error ellipse: s-maj=0.1km s-min=0.4km az=-1.0.
IDC Error ellipse: s-maj=37.5km s-min=10.8km az=98.0.
(546) Austria
ROM V 26 11 59 43.8–.07 46.076N–.00 13.727E–.01 6–0 1.0L
LJU V 26 11 59 44.9 46.05N 13.62E 0 0.7L ¶612533805
ROM Event type se. Error ellipse: s-maj=0.4km s-min=0.4km az=202.0. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
LJU Event type kh. Explosion.
(548) Poland
PRU V 26 16 14 29.8 50.21N 18.60E 0 ¶616704090
PRU Event type ki.
(680) Western Kalaallit Nunaat
ISC V 27 01 25 58.8–1.6 69.15N–.05 52.07W–.10 0 11 0-6
DNK V 27 01 25 58.8–3.6 69.08N 52.24W 0 2.2L ¶615874481
ISC Event type sh.
DNK Event type sh. Error ellipse: s-maj=9.6km s-min=42.7km az=-1.0. Presumed Glacial event.
(724) Baltic States-Belarus-Northwestern Russia
ISC V 27 11 16 22.6–.82 67.72N–.03 30.62E–.03 0 47 0-11
BER V 27 11 16 23.2–1.6 67.02N 29.32E 0 1.7L ¶610685492
HEL V 27 11 16 24.6–.40 67.62N 30.43E 0 2.0L
KOLA V 27 11 16 26.7 67.59N 30.57E 0 2.4L
IDC V 27 11 16 27.5–2.4 67.65N 29.89E 0 2.9,2.1L
ISC Event type sh.
BER Event type sh. Error ellipse: s-maj=16.1km s-min=32.9km az=-1.0. Suspected explosion.
HEL Event type sh. Error ellipse: s-maj=1.7km s-min=6.1km az=-1.0. Suspected explosion.
KOLA Error ellipse: s-maj=8.1km s-min=2.6km az=20.0. Kovdor City, Mines.
IDC Error ellipse: s-maj=31.9km s-min=8.7km az=78.0.
(547) Czech and Slovak Republics
IPEC V 28 02 19 25.7–.16 49.85N 18.57E 1 1.1L
PRU V 28 02 19 26.6 49.85N 18.53E 0 1.1L ¶611974123
IPEC Event type ki. Error ellipse: s-maj=1.7km s-min=1.1km az=163.0.
PRU Event type ki.
(724) Baltic States-Belarus-Northwestern Russia
KOLA V 28 04 12 01.1 67.66N 33.75E 0 2.0L
HEL V 28 04 12 01.4–.70 67.66N 33.76E 0 1.5L ¶615318199
KOLA Error ellipse: s-maj=3.6km s-min=1.4km az=150.0. Khibiny, mines Kirovsk, Yukspor.
HEL Event type sh. Error ellipse: s-maj=2.7km s-min=10.7km az=-1.0. Suspected explosion.
(536) Sweden
HEL V 28 04 12 48.5–.30 67.89N 20.06E 0 1.5L ¶616249031
HEL Event type kh. Error ellipse: s-maj=1.5km s-min=6.9km az=-1.0. Explosion.
(329) Eastern Kazakhstan
NNC V 28 07 48 15.1–.47 50.02N 78.63E 0 3.9b,3.7 ¶612039611
NNC Event type sm. Error ellipse: s-maj=11.4km s-min=2.5km az=85.0. Suspected Mining explosion.
(460) Wyoming
ISC V 28 19 02 49.4–.78 43.72N–.05 105.31W–.06 0 4.0b 38 1-100
NEIC V 28 19 02 48.1–2.8 43.76N–.05 105.33W–.04 0–2 3.5L ¶610685566
IDC V 28 19 02 49.6–.99 43.54N 105.29W 0 4.0b,3.7
ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=9.7km s-min=3.1km az=334.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=15.9km s-min=7.1km az=142.0.
(460) Wyoming
ISC V 28 19 27 45.7–1.1 43.64N–.06 105.21W–.06 0 32 1-20
IDC V 28 19 27 43.0–2.7 43.23N 105.10W 0 3.2,3.1L ¶610685567
NEIC V 28 19 27 46.8–2.0 43.67N–.04 105.22W–.05 0–2 3.2L,3.1L
ISC Event type sm.
NEIC Event type sm. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(547) Czech and Slovak Republics
ISC V 29 00 39 49.7–.82 49.78N–.04 18.53E–.02 0 51 0-4
IPEC V 29 00 39 49.2–.12 49.82N 18.57E 2–1 2.2L ¶610657330
PRU V 29 00 39 50.5 49.81N 18.51E 0 2.2L
ISC Event type ki.
IPEC Event type ki. Error ellipse: s-maj=1.6km s-min=0.7km az=162.0.
PRU Event type ki. Mining Induced Event Csm, E=9.7e+04.
(548) Poland
ISC V 29 07 11 29.5–.53 50.22N–.03 19.05E–.02 0 3.7b 130 0-62
VIE V 29 07 11 29.9–.42 50.28N 19.01E 0 3.0L,2.8b ¶610657336
LDG V 29 07 11 29.7–.16 50.19N 19.08E 1 4.1L,2.8b
IPEC V 29 07 11 30.4–.17 50.20N 19.06E 1 3.3L,2.8b
IDC V 29 07 11 30.9–.66 50.06N 19.12E 0 3.7,3.7b
BGR V 29 07 11 31.5–.32 50.21N 19.06E 1 3.5L,3.7b
PRU V 29 07 11 31.5 50.22N 18.96E 0 3.5L,3.7b
ISC Event type sr.
VIE Event type sr. Error ellipse: s-maj=4.5km s-min=2.5km az=173.0. 4 km NNE of Katowice . Suspected Mining induced.
LDG Event type sr. Error ellipse: s-maj=5.2km s-min=2.3km az=12.0. Suspected Mining induced.
IPEC Event type ki. Error ellipse: s-maj=2.5km s-min=1.0km az=167.0.
IDC Error ellipse: s-maj=11.2km s-min=8.7km az=145.0.
BGR Event type ki. Error ellipse: s-maj=6.7km s-min=3.3km az=179.0.
PRU Event type ki.
(721) Finland
HEL V 29 08 57 24.3–.10 62.76N 25.14E 0 1.1L ¶616249075
HEL Event type kh. Error ellipse: s-maj=1.1km s-min=2.8km az=-1.0. Explosion.
(721) Finland
HEL V 29 08 58 46.5–.10 67.70N 26.96E 0 1.3L ¶616249076
HEL Event type sh. Error ellipse: s-maj=0.9km s-min=2.3km az=-1.0. Suspected explosion.
(366) Turkey
ISK V 29 09 26 34.6 38.77N 27.87E 0–0 1.6L ¶611508633
ISK Event type sm. Suspected Mining explosion.
(721) Finland
ISC V 29 12 57 17.9–.93 64.72N–.03 24.74E–.04 0 18 0-5
HEL V 29 12 57 18.8–.10 64.70N 24.75E 0 1.5L ¶610685613
IDC V 29 12 57 19.9–1.4 64.72N 24.92E 0 2.6,1.9L
ISC Event type kh.
HEL Event type kh. Error ellipse: s-maj=0.5km s-min=0.7km az=-1.0. Explosion.
IDC Error ellipse: s-maj=51.6km s-min=10.3km az=87.0.
(548) Poland
PRU V 29 14 45 17.1 50.20N 19.28E 0 ¶616704123
PRU Event type ki.
(547) Czech and Slovak Republics
IPEC V 29 15 25 10.2–.16 49.86N 18.56E 1 1.7L
PRU V 29 15 25 11.0 49.83N 18.49E 0 1.7L ¶610657339
IPEC Event type ki. Error ellipse: s-maj=1.7km s-min=1.1km az=163.0.
PRU Event type ki. Mining Induced Event Csm, E=5.8e+04.
(460) Wyoming
ISC V 29 19 05 31.9–1.2 43.62N–.06 105.14W–.07 0 67 1-20
IDC V 29 19 05 31.8–1.9 43.56N 105.33W 0 3.2,2.8L ¶610685659
NEIC V 29 19 05 31.9–1.1 43.63N–.03 105.13W–.08 0–1 3.4L,2.8L
ISC Event type sm.
NEIC Event type sm. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(548) Poland
ISC V 30 04 13 43.0–1.0 51.56N–.05 16.09E–.02 0 77 1-12
IPEC V 30 04 13 42.5–.25 51.60N 16.16E 0 2.6L ¶610657353
IDC V 30 04 13 43.2–1.3 51.58N 16.02E 0 3.1,2.9L
PRU V 30 04 13 44.1 51.50N 16.04E 0 3.1,2.9L
VIE V 30 04 13 44.1–.83 51.48N 16.00E 0 2.8L,2.3b
ISC Event type sr.
IPEC Event type ki. Error ellipse: s-maj=1.7km s-min=1.0km az=32.0.
IDC Error ellipse: s-maj=23.8km s-min=10.8km az=132.0.
PRU Event type ki.
VIE Event type sr. Error ellipse: s-maj=10.2km s-min=5.7km az=64.0. 82 km WNW of Wroclaw . Suspected Mining induced.
(548) Poland
ISC V 30 04 34 32.8–.66 51.56N–.02 16.11E–.02 0 151 1-19
IPEC V 30 04 34 33.2–.38 51.54N 16.24E 0–1 2.8L ¶610655723
DNK V 30 04 34 33.8–1.4 51.58N 16.01E 0–49 2.3L
IDC V 30 04 34 34.6–.85 51.39N 16.05E 0 3.3,2.8L
VIE V 30 04 34 35.7–.81 51.38N 16.10E 0 3.0L,2.5b
BGR V 30 04 34 35.2–.36 51.47N 16.12E 1 3.0L,2.5b
UPP V 30 04 34 36.8–2.7 51.69N 15.73E 0 2.1L,2.5b
ISC Event type sr.

IPEC Event type ki. Error ellipse: s-maj=2.4km s-min=1.1km az=19.0.
DNK Error ellipse: s-maj=42.5km s-min=26.8km az=-1.0.
IDC Error ellipse: s-maj=15.0km s-min=8.3km az=116.0.
VIE Event type sr. Error ellipse: s-maj=8.9km s-min=5.6km az=82.0. 71 km WNW of Wroclaw . Suspected Mining induced.
BGR Event type ki. Error ellipse: s-maj=4.4km s-min=2.2km az=18.0.
UPP Error ellipse: s-maj=0.2km s-min=0.3km az=-1.0.
(721) Finland
HEL V 30 11 29 31.8–.10 63.99N 28.13E 0 1.8L
UPP V 30 11 29 32.4–2.3 63.87N 28.02E 0 1.7L ¶611910648
HEL Event type sh. Error ellipse: s-maj=0.8km s-min=1.6km az=-1.0. Suspected explosion.
UPP Error ellipse: s-maj=0.1km s-min=0.4km az=-1.0.
(536) Sweden
HEL V 30 18 10 48.1–.40 67.86N 20.08E 0 0.9L
¶616249129
HEL Event type kh. Error ellipse: s-maj=1.8km s-min=8.9km az=-1.0. Explosion.
(724) Baltic States-Belarus-Northwestern Russia
HEL V 30 18 10 58.8–.60 67.68N 33.82E 0 1.7L
KOLA V 30 18 10 58.8 67.63N 33.80E 0 1.9L ¶615318238
HEL Event type sh. Error ellipse: s-maj=2.6km s-min=10.2km az=-1.0. Suspected explosion.
KOLA Error ellipse: s-maj=5.3km s-min=1.9km az=150.0. Khibiny, mines Rasvumchorr, Central.
(460) Wyoming
ISC V 30 20 01 59.9–.81 43.80N–.05 105.39W–.05 0 70 1-90
IDC V 30 20 02 01.0–.88 44.06N 105.70W 0 4.0b,3.5 ¶610685739
NEIC V 30 20 02 01.0–1.8 43.81N–.05 105.34W–.06 0–2 3.2L,3.5
ISC Event type sm.
NEIC Event type sm. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(548) Poland
ISC V 31 03 37 28.3–.57 51.59N–.02 16.14E–.02 0 200 1-60
IPEC V 31 03 37 29.0–.23 51.59N 16.20E 1 3.1L ¶610656216
LDG V 31 03 37 29.9–.28 51.51N 16.11E 1 3.8L
DNK V 31 03 37 29.4–1.1 51.29N 15.88E 37–39 2.8L
IDC V 31 03 37 30.8–.71 51.48N 15.99E 0 3.5,3.5b
PRU V 31 03 37 31.0 51.47N 16.06E 0 3.5,3.5b
BGR V 31 03 37 31.3–.32 51.47N 16.13E 1 3.4L,3.5b
ISC Event type sr.
IPEC Event type ki. Error ellipse: s-maj=1.8km s-min=1.2km az=39.0.
LDG Event type sr. Error ellipse: s-maj=6.9km s-min=4.3km az=7.0. Suspected Mining induced.
DNK Error ellipse: s-maj=30.2km s-min=31.4km az=-1.0.
IDC Error ellipse: s-maj=11.8km s-min=7.5km az=110.0.
PRU Event type ki.
BGR Event type ki. Error ellipse: s-maj=3.3km s-min=1.1km az=15.0.
(536) Sweden
HEL V 31 10 21 26.1–.30 67.82N 20.21E 0 1.3L
¶616249151
HEL Event type sh. Error ellipse: s-maj=1.1km s-min=5.8km az=-1.0. Suspected explosion.
(724) Baltic States-Belarus-Northwestern Russia
HEL V 31 10 21 28.2–.20 67.80N 33.68E 0 1.7L
KOLA V 31 10 21 27.7 67.62N 33.81E 0 1.9L ¶615318252
HEL Event type sh. Error ellipse: s-maj=3.8km s-min=3.5km az=-1.0. Suspected explosion.
KOLA Error ellipse: s-maj=4.3km s-min=1.4km az=150.0. Khibiny, mines Rasvumchorr, Central.
(721) Finland
HEL V 31 11 02 39.1–.30 65.77N 24.34E 0 1.1L
¶616249157
HEL Event type sh. Error ellipse: s-maj=2.1km s-min=8.3km az=-1.0. Suspected explosion.
(460) Wyoming
ISC V 31 19 17 04.1–.93 43.64N–.05 105.18W–.07 0 48 1-20
NEIC V 31 19 17 05.3–1.0 43.62N–.05 105.16W–.05 0–2 3.3L ¶610685810
IDC V 31 19 17 06.4–1.2 43.77N 105.53W 0 3.1,2.8L
ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=9.5km s-min=3.9km az=330.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=22.2km s-min=10.3km az=148.0.
(548) Poland
ISC V 31 20 25 24.6–.29 51.54N–.02 16.10E–.02 0 4.5b 658 1-151
IPEC V 31 20 25 24.7–.25 51.58N 16.15E 1 4.1L ¶614403788
DNK V 31 20 25 24.6–2.6 51.59N 16.32E 0–141 3.7L
MOS V 31 20 25 24.9–1.0 51.53N 16.10E 10 4.6b
LDG V 31 20 25 24.9–.13 51.48N 16.25E 1 4.8L
IDC V 31 20 25 25.7–.38 51.50N 16.08E 0 4.1,4.1b
BJI V 31 20 25 25.0–.00 51.60N 16.10E 5 4.8b,4.4b
NEIC V 31 20 25 26.4–2.3 51.55N–.06 16.18E–.07 5–1 4.5b,4.4b
BGR V 31 20 25 26.7–.32 51.49N 16.15E 1 4.3L,4.4b
PRU V 31 20 25 26.4 51.50N 16.11E 0 4.5,4.4b
BER V 31 20 25 32.7–2.8 52.29N 16.03E 1 4.3L,4.4b
ISC Event type sr.
IPEC Event type ki. Error ellipse: s-maj=2.8km s-min=1.3km az=57.0.
DNK Error ellipse: s-maj=111.2km s-min=91.6km az=-1.0.
MOS Error ellipse: s-maj=4.7km s-min=2.8km az=81.6.
LDG Event type sr. Error ellipse: s-maj=3.2km s-min=2.0km az=2.0. Suspected Mining induced.
IDC Error ellipse: s-maj=7.9km s-min=5.5km az=107.0.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=6.9km az=195.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BGR Event type ki. Error ellipse: s-maj=4.4km s-min=2.2km az=17.0.
PRU Event type ki. Felt In Harrachov.
BER Error ellipse: s-maj=37.8km s-min=36.0km az=-1.0.
(548) Poland
ISC V 31 22 17 43.0–1.1 51.54N–.05 16.16E–.02 0 82 1-6
IPEC V 31 22 17 42.6–.27 51.57N 16.23E 1 2.3L ¶610657383
PRU V 31 22 17 44.4 51.47N 16.13E 0 2.3L
VIE V 31 22 17 47.3–.85 51.30N 16.00E 0 2.6L,2.3b
ISC Event type sr.
IPEC Event type ki. Error ellipse: s-maj=2.1km s-min=1.2km az=37.0.
PRU Event type ki.
VIE Event type sr. Error ellipse: s-maj=5.1km s-min=3.1km az=17.0. 73 km WNW of Wroclaw . Suspected Mining induced.
(536) Sweden
UPP VI 01 00 20 29.8–.10 67.82N 20.20E 0 1.7L
¶611910676
UPP Event type ki. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Confirmed Induced event.
(326) Southwestern Siberia
ISC VI 01 04 48 37.0–4.4 54.1N–.20 87.1E–.20 0 9 1-8
IDC VI 01 04 48 34.0–3.5 54.22N 87.47E 0 3.0,3.0L ¶610791037
NNC VI 01 04 48 36.0–1.6 54.06N 87.16E 0 2.8b,2.6
ISC Event type sm.
IDC Error ellipse: s-maj=28.3km s-min=17.3km az=51.0.
NNC Event type sm. Error ellipse: s-maj=15.0km s-min=11.3km az=29.0. Suspected Mining explosion.
(326) Southwestern Siberia
ISC VI 01 07 30 00.7–4.8 54.1N–.20 88.6E–.30 0 5 2-8
NNC VI 01 07 30 02.1–1.6 54.13N 88.34E 0 3.2b,2.8 ¶610791041
IDC VI 01 07 30 08.6–3.6 53.80N 88.29E 0 2.8,2.4L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=17.3km s-min=11.0km az=10.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=32.5km s-min=19.6km az=53.0.
(326) Southwestern Siberia
ISC VI 01 08 18 19.5–4.7 54.0N–.30 87.1E–.20 0 7 1-8
NNC VI 01 08 18 22.0–3.9 53.81N 86.95E 0 2.7b,2.5 ¶610791042
IDC VI 01 08 18 22.6–2.4 53.64N 86.90E 0 2.8,2.5L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=58.9km s-min=22.6km az=30.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=22.4km s-min=13.7km az=73.0.
(724) Baltic States-Belarus-Northwestern Russia
HEL VI 01 19 39 48.7–.10 67.61N 33.89E 0 1.3L
¶615318919
HEL Event type sh. Error ellipse: s-maj=1.2km s-min=2.6km az=-1.0. Suspected explosion.

(460) Wyoming
ISC VI 01 20 04 12.9–.99 43.80N–.06 105.34W–.06 0 52 1-90
NEIC VI 01 20 04 13.7–2.1 43.78N–.05 105.36W–.04 0–2 3.0L ¶610791066
IDC VI 01 20 04 13.5–1.6 43.84N 105.61W 0 3.8b,3.6
ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=9.6km s-min=3.1km az=336.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=51.1km s-min=8.9km az=150.0.
(326) Southwestern Siberia
NNC VI 02 06 42 05.1–2.8 53.78N 90.88E 0 3.5b,3.3
¶612088488
NNC Event type sm. Error ellipse: s-maj=26.1km s-min=17.5km az=25.0. Suspected Mining explosion.
(366) Turkey
ISK VI 02 08 18 13.6 36.19N 33.67E 0–0 0.6L
¶610659612
ISK Event type sm. Suspected Mining explosion.
(721) Finland
HEL VI 02 08 58 40.2–.10 67.73N 26.98E 0 1.5L
BER VI 02 08 58 41.4–.94 67.61N 26.86E 0 1.3L ¶611792879
UPP VI 02 08 58 42.7–1.1 67.67N 26.51E 0 1.8L
HEL Event type sh. Error ellipse: s-maj=1.0km s-min=2.7km az=-1.0. Suspected explosion.
BER Event type sh. Error ellipse: s-maj=7.2km s-min=14.7km az=-1.0. Suspected explosion.
UPP Error ellipse: s-maj=0.0km s-min=0.2km az=-1.0.
(721) Finland
HEL VI 02 09 00 29.7–.20 63.90N 24.52E 0 1.2L
¶616447868
HEL Event type kh. Error ellipse: s-maj=1.1km s-min=4.0km az=-1.0. Explosion.
(326) Southwestern Siberia
ISC VI 02 09 37 24.4–2.3 54.8N–.20 83.83E–.09 0 11 1-8
NNC VI 02 09 37 22.9–1.3 54.37N 86.50E 0 3.0b,2.9 ¶610791089
IDC VI 02 09 37 26.4–1.4 54.66N 83.78E 0 3.4,2.8L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=13.4km s-min=6.3km az=173.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=14.2km s-min=8.5km az=16.0.
(724) Baltic States-Belarus-Northwestern Russia
HEL VI 02 12 04 52.8–.50 67.65N 33.89E 0 1.5L
¶615318930
HEL Event type kh. Error ellipse: s-maj=6.3km s-min=8.5km az=-1.0. Explosion.
(724) Baltic States-Belarus-Northwestern Russia
HEL VI 02 12 49 51.5–.30 67.64N 33.69E 0 1.3L
¶616447876
HEL Event type kh. Error ellipse: s-maj=4.6km s-min=5.5km az=-1.0. Explosion.
(536) Sweden
UPP VI 02 12 50 30.3–.10 67.82N 20.21E 0 2.6L
HEL VI 02 12 50 28.7–.30 67.78N 19.92E 0 1.7L ¶611910687
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
HEL Event type sh. Error ellipse: s-maj=1.2km s-min=5.3km az=-1.0. Suspected explosion.
(456) Montana
ISC VI 02 20 54 30.3–.81 45.17N–.04 106.84W–.05 0 53 2-16
NEIC VI 02 20 54 31.7–1.8 45.19N–.04 106.89W–.03 0–1 2.9L ¶610791122
IDC VI 02 20 54 31.3–1.2 44.95N 106.86W 0 3.2L,3.1
ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=7.2km s-min=4.1km az=339.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=37.5km s-min=8.5km az=136.0.
(366) Turkey
ISK VI 03 17 35 05.3 40.50N 29.24E 0–0 2.3L
DDA VI 03 17 35 05.7–.00 40.49N 29.29E 7–1 1.9L ¶611508990
ISK Event type sm. Suspected Mining explosion.
(547) Czech and Slovak Republics
PRU VI 03 19 36 21.4 49.84N 18.54E 0
IPEC VI 03 19 36 20.6–.17 49.86N 18.56E 1 0.9L ¶612165862
PRU Event type ki.
IPEC Event type ki. Error ellipse: s-maj=1.8km s-min=1.1km az=163.0.
(326) Southwestern Siberia
ISC VI 05 08 13 22.2–3.2 53.6N–.10 87.6E–.20 0 11 2-8
IDC VI 05 08 13 20.7–2.8 53.59N 87.81E 0 3.3,3.0L ¶610791270
NNC VI 05 08 13 23.4–3.8 53.46N 87.60E 0 3.1b,2.8
ISC Event type sm.
IDC Error ellipse: s-maj=23.4km s-min=14.7km az=58.0.
NNC Event type sm. Error ellipse: s-maj=30.9km s-min=15.0km az=63.0. Suspected Mining explosion.
(724) Baltic States-Belarus-Northwestern Russia
ISC VI 05 09 51 05.9–.80 67.57N–.03 33.83E–.03 0 56 0-17
KOLA VI 05 09 51 08.0 67.67N 33.74E 0 2.1L ¶610791277
HEL VI 05 09 51 08.5–.20 67.69N 33.72E 0 2.0L
IDC VI 05 09 51 09.8–2.8 67.67N 33.63E 9–13 3.4,2.2L
ISC Event type sh.
KOLA Error ellipse: s-maj=4.1km s-min=1.6km az=150.0. Khibiny, mines Kirovsk, Yukspor.
HEL Event type sh. Error ellipse: s-maj=2.6km s-min=4.0km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=20.8km s-min=10.8km az=88.0.
(536) Sweden
ISC VI 05 10 39 13.1–.77 67.17N–.03 20.69E–.03 0 38 1-11
HEL VI 05 10 39 14.9–.20 67.18N 20.59E 1 2.3L ¶610791278
IDC VI 05 10 39 14.5–.81 67.18N 21.12E 0 3.2,2.4L
BER VI 05 10 39 17.3–1.5 67.21N 20.73E 0 2.1L,2.4L
ISC Event type ki.
HEL Event type ki. Error ellipse: s-maj=0.6km s-min=1.0km az=-1.0. Confirmed Induced event.
IDC Error ellipse: s-maj=14.4km s-min=6.4km az=111.0.
BER Event type ki. Error ellipse: s-maj=11.4km s-min=20.1km az=-1.0. Confirmed Induced event.
(478) Utah
ISC VI 05 19 07 45.8–1.0 41.10N–.03 112.89W–.04 0 20 0-8
IDC VI 05 19 07 44.6–1.5 41.04N 112.90W 0 2.8L,2.3 ¶610791297
NEIC VI 05 19 07 46.5–1.3 41.14N–.03 112.86W–.04 0–2 1.7L,2.3
ISC Event type sm.
NEIC Event type sm. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(460) Wyoming
ISC VI 05 20 08 04.7–.94 43.77N–.05 105.37W–.05 0 30 1-14
NEIC VI 05 20 08 04.8–1.4 43.84N–.05 105.28W–.06 0–2 3.4L ¶610791299
IDC VI 05 20 08 06.6–1.1 43.90N 105.83W 0 3.3,3.0L
ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=9.4km s-min=7.0km az=337.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=27.2km s-min=8.3km az=146.0.
(460) Wyoming
ISC VI 05 22 51 01.5–.88 43.75N–.05 105.47W–.04 0 45 1-11
NEIC VI 05 22 51 02.1–2.4 43.73N–.02 105.46W–.06 0–2 3.3L ¶610791303
IDC VI 05 22 51 04.5–1.6 43.88N 105.68W 0 3.3,3.3L
ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=8.1km s-min=3.1km az=118.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=53.3km s-min=7.5km az=147.0.
(724) Baltic States-Belarus-Northwestern Russia
ISC VI 06 10 50 02.3–.68 59.65N–.02 25.57E–.02 0 88 0-10
BER VI 06 10 50 04.3–1.2 59.66N 25.59E 0 2.5L,1.8L ¶610791341
HEL VI 06 10 50 04.1–.00 59.65N 25.61E 0 2.5L,1.8L
EST VI 06 10 50 04.2–.00 59.65N 25.60E 0 2.5L,1.8L
UPP VI 06 10 50 04.8–2.7 59.77N 25.50E 0 2.5L,1.8L
IDC VI 06 10 50 05.3–.96 59.78N 25.48E 0 3.3,2.8L
DNK VI 06 10 50 07.8–.68 59.77N 24.96E 0 2.5L,2.8L
ISC Event type kh.
BER Event type sh. Error ellipse: s-maj=2.0km s-min=5.0km az=-1.0. Suspected explosion.
HEL Event type kh. Error ellipse: s-maj=0.3km s-min=0.3km az=-1.0. Explosion.
EST Event type kh. Error ellipse: s-maj=0.2km s-min=0.3km az=-1.0. Explosion.

UPP Error ellipse: s-maj=0.1km s-min=0.4km az=-1.0.
IDC Error ellipse: s-maj=10.5km s-min=8.9km az=139.0.
DNK Event type sh. Error ellipse: s-maj=7.4km s-min=72.6km az=-1.0. Suspected explosion.
(724) Baltic States-Belarus-Northwestern Russia
ISC VI 06 12 31 47.7–.64 59.69N–.02 25.58E–.02 0 111 0-10
DNK VI 06 12 31 47.7–.95 59.74N 25.88E 0 2.6L ¶610791343
UPP VI 06 12 31 49.9–2.2 59.72N 25.64E 0 2.6L
HEL VI 06 12 31 50.4–.00 59.67N 25.55E 0 2.8L
EST VI 06 12 31 50.4–.00 59.67N 25.56E 0 2.8L
BER VI 06 12 31 50.5–1.6 59.67N 25.59E 0 2.8L,2.1L
IDC VI 06 12 31 51.7–.82 59.83N 25.43E 0 3.3,2.8L
ISC Event type kh.
DNK Event type sh. Error ellipse: s-maj=6.5km s-min=11.8km az=-1.0. Suspected explosion.
UPP Error ellipse: s-maj=0.1km s-min=0.3km az=-1.0.
HEL Event type kh. Error ellipse: s-maj=0.1km s-min=0.2km az=-1.0. Explosion.
EST Event type kh. Error ellipse: s-maj=0.2km s-min=0.2km az=-1.0. Explosion.
BER Event type sh. Error ellipse: s-maj=2.9km s-min=6.3km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=9.1km s-min=8.0km az=98.0.
(460) Wyoming
ISC VI 06 21 00 58.7–.83 43.81N–.06 105.32W–.07 0 3.9b 68 1-90
IDC VI 06 21 00 59.1–1.8 43.96N 105.59W 0 3.8b,3.6 ¶610791355
NEIC VI 06 21 00 59.2–1.1 43.80N–.05 105.30W–.06 0–2 3.4L,3.6
ISC Event type sm.
NEIC Event type sm. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(536) Sweden
ISC VI 06 23 33 19.0–1.0 67.81N–.03 20.02E–.05 0 40 1-8
IDC VI 06 23 33 20.1–1.4 67.78N 20.71E 0 2.7,2.0L ¶610791362
HEL VI 06 23 33 20.4–.20 67.84N 20.16E 0 1.7L,2.0L
ISC Event type sh.
IDC Error ellipse: s-maj=20.9km s-min=8.6km az=111.0.
HEL Event type sh. Error ellipse: s-maj=0.7km s-min=3.1km az=-1.0. Suspected explosion.
(326) Southwestern Siberia
ISC VI 07 08 28 16.5–2.8 53.6N–.10 87.7E–.10 0 15 2-10
NNC VI 07 08 28 15.5–2.7 53.48N 87.83E 0 3.5b,3.1 ¶610791392
IDC VI 07 08 28 16.0–2.5 53.59N 87.86E 0 3.6,3.0L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=21.7km s-min=10.6km az=65.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=23.4km s-min=14.9km az=75.0.
(713) Central Kazakhstan
ISC VI 07 10 16 14.6–2.7 43.7N–.10 70.0E–.10 0 14 1-4
KRNET VI 07 10 16 12.9–.10 43.51N 69.63E 2.5b ¶612088699
NNC VI 07 10 16 13.8–4.1 43.55N 69.63E 0 3.5b,3.0
SOME VI 07 10 16 13.2 43.60N 69.70E 3.5b,3.0
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=22.1km s-min=14.7km az=133.0. Suspected Mining explosion.
SOME Event type kx.
(724) Baltic States-Belarus-Northwestern Russia
ISC VI 07 10 25 43.8–.63 59.56N–.02 22.03E–.02 0 115 1-10
DNK VI 07 10 25 43.6–2.1 59.52N 22.37E 0 2.6L ¶610791402
BER VI 07 10 25 46.6–1.1 59.39N 22.09E 0 2.2L,2.0L
UPP VI 07 10 25 46.6–1.2 59.60N 22.02E 0 2.8L,2.0L
HEL VI 07 10 25 46.3–.10 59.57N 22.15E 0 2.2L,2.0L
EST VI 07 10 25 46.3 59.57N 22.15E 0 2.2L,2.0L
LVSN VI 07 10 25 47.6–5.0 59.58N 22.06E 0–46 2.7L,2.0L
IDC VI 07 10 25 47.6–.97 59.84N 22.06E 0 3.2,2.7L
ISC Event type kh.
DNK Event type sh. Error ellipse: s-maj=6.0km s-min=19.5km az=-1.0. Suspected explosion.
BER Event type sh. Error ellipse: s-maj=12.4km s-min=9.4km az=-1.0. Suspected explosion.
UPP Error ellipse: s-maj=0.0km s-min=0.2km az=-1.0.
HEL Event type kh. Error ellipse: s-maj=0.4km s-min=0.4km az=-1.0. Explosion.
EST Event type kh. Explosion.
LVSN Error ellipse: s-maj=10.1km s-min=32.0km az=-1.0.
IDC Error ellipse: s-maj=12.7km s-min=6.2km az=164.0.
(548) Poland
ISC VI 07 16 29 24.0–.66 51.57N–.02 16.10E–.02 0 183 1-19
DNK VI 07 16 29 23.1–1.9 51.36N 16.07E 22–62 2.1L ¶610667886
IPEC VI 07 16 29 24.6–.33 51.54N 16.20E 0–1 2.9L
MCSM VI 07 16 29 25.7–.50 51N–4.0 16E–3.0 4–3 3.1L
IDC VI 07 16 29 25.8–.73 51.49N 16.00E 0 3.2,2.9L
BGR VI 07 16 29 26.6–.37 51.44N 16.08E 1 3.0L,2.9L
PRU VI 07 16 29 26.4 51.46N 16.08E 0 3.0L,2.9L
VIE VI 07 16 29 27.5–.44 51.34N 15.92E 0 3.4s,2.8L
ISC Event type sr.
DNK Event type sh. Error ellipse: s-maj=48.8km s-min=49.6km az=-1.0. Suspected explosion.
IPEC Event type ki. Error ellipse: s-maj=2.5km s-min=1.2km az=30.0.
IDC Error ellipse: s-maj=14.3km s-min=7.4km az=107.0.
BGR Event type ki. Error ellipse: s-maj=4.4km s-min=2.2km az=14.0.
PRU Event type ki.
VIE Event type sr. Error ellipse: s-maj=2.7km s-min=2.3km az=3.0. 81 km WNW of Wroclaw . Suspected Mining induced.
(537) Baltic Sea
ISC VI 07 17 58 43.2–.74 54.85N–.03 15.00E–.03 0 102 0-10
DNK VI 07 17 58 43.7–1.8 54.82N 14.99E 0 2.8L ¶610667887
IDC VI 07 17 58 44.9–.78 54.85N 14.79E 0 3.2,3.2L
PRU VI 07 17 58 45.0 54.85N 14.58E 0 3.2,3.2L
UPP VI 07 17 58 45.1–1.8 54.89N 14.97E 5–5 3.0L,3.2L
HEL VI 07 17 58 46.3–.20 54.94N 15.15E 0 3.2L,3.2L
ISC Event type kh.
DNK Event type kh. Error ellipse: s-maj=6.4km s-min=7.1km az=-1.0. Explosion.
IDC Error ellipse: s-maj=14.4km s-min=7.5km az=88.0.
UPP Error ellipse: s-maj=0.1km s-min=0.1km az=-1.0.
HEL Event type kh. Error ellipse: s-maj=1.3km s-min=0.9km az=-1.0. Explosion.
(548) Poland
ISC VI 07 19 34 41.4–.79 50.18N–.04 18.95E–.02 0 50 1-20
IDC VI 07 19 34 43.5–2.0 50.29N 18.79E 0 2.9,2.5L ¶610667892
PRU VI 07 19 34 43.4 50.11N 18.92E 0 2.9,2.5L
ISC Event type ki.
IDC Error ellipse: s-maj=40.8km s-min=10.9km az=134.0.
PRU Event type ki.
(548) Poland
ISC VI 08 03 02 25.5–.74 50.25N–.04 19.05E–.02 0 46 0-20
IDC VI 08 03 02 27.3–3.0 50.08N 19.07E 0 3.1,2.4L ¶610670898
PRU VI 08 03 02 27.3 50.12N 18.97E 0 3.1,2.4L
ISC Event type ki.
IDC Error ellipse: s-maj=62.9km s-min=12.0km az=137.0.
PRU Event type ki.
(724) Baltic States-Belarus-Northwestern Russia
HEL VI 08 04 22 57.6–.10 67.69N 33.97E 0 1.8L
KOLA VI 08 04 22 59.0 67.65N 33.77E 0 2.0L ¶615319004
HEL Event type sh. Error ellipse: s-maj=1.7km s-min=2.6km az=-1.0. Suspected explosion.
KOLA Error ellipse: s-maj=6.9km s-min=2.2km az=140.0. Khibiny, mines Kirovsk, Yukspor.
(536) Sweden
HEL VI 08 04 23 33.2–.50 67.84N 20.45E 0 1.2L
¶616448079
HEL Event type kh. Error ellipse: s-maj=2.3km s-min=11.4km az=-1.0. Explosion.
(326) Southwestern Siberia
IDC VI 08 06 47 46.2–3.0 54.28N 87.19E 0 3.0,2.7L
NNC VI 08 06 47 42.2–3.2 54.30N 87.59E 0 3.1b,2.8 ¶610791445
IDC Error ellipse: s-maj=27.4km s-min=19.0km az=60.0.
NNC Event type sm. Error ellipse: s-maj=28.6km s-min=21.1km az=178.0. Suspected Mining explosion.
(326) Southwestern Siberia
ISC VI 08 09 21 12.7–3.7 53.6N–.10 87.7E–.20 0 8 2-8
NNC VI 08 09 21 12.3–.89 53.59N 87.80E 0 3.0b,2.7 ¶610791453
IDC VI 08 09 21 14.3–3.0 53.50N 87.56E 0 2.9,2.5L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=10.7km s-min=4.4km az=34.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=25.7km s-min=14.1km az=66.0.
(326) Southwestern Siberia
IDC VI 08 09 30 56.1–3.1 54.31N 86.99E 0 3.0,2.7L
NNC VI 08 09 30 48.7–2.4 55.03N 87.12E 0 3.2b,2.9 ¶610791457
IDC Error ellipse: s-maj=26.0km s-min=15.4km az=67.0.
NNC Event type sm. Error ellipse: s-maj=96.2km s-min=15.0km az=143.0. Suspected Mining explosion.
(326) Southwestern Siberia
ISC VI 08 09 40 13.5–2.2 52.41N–.05 86.5E–.10 0 10 2-6
NNC VI 08 09 40 16.2–1.9 53.42N 87.83E 0 3.3b,3.0 ¶610791459
IDC VI 08 09 40 17.6–2.9 53.54N 87.71E 0 3.2,2.9L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=17.1km s-min=10.7km az=53.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=26.1km s-min=14.5km az=60.0.
(537) Baltic Sea
ISC VI 08 14 11 10.6–.85 54.87N–.03 14.97E–.04 0 87 0-9
DNK VI 08 14 11 08.7–2.6 54.72N 14.97E 0 2.9L ¶616984060
PRU VI 08 14 11 10.8 54.92N 14.68E 0 2.9L
IDC VI 08 14 11 11.6–.87 54.83N 14.95E 0 3.4,3.2L
HEL VI 08 14 11 12.4–.10 54.90N 15.15E 0 3.4L,3.2L
UPP VI 08 14 11 12.0–1.2 54.94N 14.88E 0 3.0L,3.2L
ISC Event type kh.
DNK Event type kh. Error ellipse: s-maj=15.2km s-min=19.4km az=-1.0. Explosion.
IDC Error ellipse: s-maj=20.3km s-min=8.5km az=94.0.
HEL Event type kh. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. Explosion.
UPP Error ellipse: s-maj=0.1km s-min=0.1km az=-1.0.
(722) Norway-Murmansk border region
HEL VI 08 16 35 00.1–.40 69.34N 30.39E 0 1.3L
¶616448098
HEL Event type kh. Error ellipse: s-maj=1.9km s-min=8.3km az=-1.0. Explosion.
(536) Sweden
HEL VI 08 16 35 19.5–.30 67.86N 20.06E 0 1.0L
¶616448099
HEL Event type kh. Error ellipse: s-maj=1.5km s-min=7.2km az=-1.0. Explosion.
(537) Baltic Sea
ISC VI 08 18 22 22.2–.61 54.94N–.02 14.89E–.02 0 239 0-15
IDC VI 08 18 22 22.8–.77 54.84N 14.67E 0 3.2,3.2L ¶610670906
VIE VI 08 18 22 23.5 54.81N 14.77E 0 3.0L,3.2L
UPP VI 08 18 22 23.7–1.2 54.93N 14.88E 0 3.1L,3.2L
MCSM VI 08 18 22 24.3–.90 55N–6.0 15E–6.0 12–3 3.6b,3.2L
PRU VI 08 18 22 24.5 54.88N 14.76E 10 3.6b,3.2L
HEL VI 08 18 22 24.6–.10 54.96N 15.06E 0 3.4L,3.2L
BGR VI 08 18 22 25.6–.26 54.98N 14.95E 10 2.7L,3.2L
DNK VI 08 18 22 26.0–2.5 55.13N 14.78E 0 2.6L,3.2L
BER VI 08 18 22 27.0–2.0 55.05N 14.81E 0 3.4L,1.9L
ISC Event type kh.
IDC Error ellipse: s-maj=15.3km s-min=7.6km az=84.0.
VIE 142 km SE of Malmoe .
UPP Error ellipse: s-maj=0.1km s-min=0.1km az=-1.0.
HEL Event type kh. Error ellipse: s-maj=1.7km s-min=1.4km az=-1.0. Explosion.
BGR Event type ke. Error ellipse: s-maj=4.4km s-min=4.4km az=49.0.
DNK Event type kh. Error ellipse: s-maj=6.1km s-min=8.7km az=-1.0. Explosion.
BER Event type sh. Error ellipse: s-maj=6.1km s-min=9.1km az=-1.0. Suspected explosion.
(548) Poland
ISC VI 08 19 06 52.3–.74 50.22N–.03 18.94E–.02 0 59 1-20
PRU VI 08 19 06 53.4 50.21N 18.94E 0 ¶610668098
IPEC VI 08 19 06 53.2–.21 50.22N 18.98E 1–1 2.4L
VIE VI 08 19 06 53.6–.54 50.18N 18.99E 0 2.3L,2.3b
IDC VI 08 19 06 53.4–2.7 50.12N 18.96E 0 3.3,2.6L
ISC Event type sr.
PRU Event type ki.
IPEC Event type ki. Error ellipse: s-maj=2.4km s-min=1.1km az=168.0.
VIE Event type sr. Error ellipse: s-maj=6.6km s-min=3.6km az=161.0. 8 km S of Katowice . Suspected Mining induced.
IDC Error ellipse: s-maj=54.2km s-min=10.2km az=137.0.
(460) Wyoming
ISC VI 08 19 33 16.2–1.1 43.58N–.05 105.35W–.05 0 29 1-9
IDC VI 08 19 33 14.0–2.5 43.23N 105.22W 0 3.7,3.5L ¶610791479
NEIC VI 08 19 33 16.9–1.5 43.61N–.02 105.28W–.09 0–2 3.3L,3.5L
ISC Event type sm.
NEIC Event type sm. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(537) Baltic Sea
ISC VI 08 20 46 37.8–.62 54.92N–.02 14.92E–.03 0 230 0-15
DNK VI 08 20 46 37.8–2.4 54.82N 14.95E 0 2.7L ¶610670909
IDC VI 08 20 46 38.6–.68 54.84N 14.73E 0 3.2,3.2L
MCSM VI 08 20 46 38.4–1.2 55N–9.0 15E–7.0 9–4 3.8b,3.2L
PRU VI 08 20 46 38.1 55.24N 14.90E 54 3.8b,3.2L
VIE VI 08 20 46 39.1 54.77N 14.76E 0 2.9L,3.2L
HEL VI 08 20 46 39.9–.20 54.90N 15.14E 0 3.4L,3.2L
UPP VI 08 20 46 40.2–1.1 55.00N 14.93E 0 3.1L,3.2L
BGR VI 08 20 46 40.6–.33 54.97N 15.04E 10 2.7L,3.2L
BER VI 08 20 46 41.6–1.8 54.96N 14.73E 0 3.4L,1.8L
ISC Event type kh.
DNK Event type sh. Error ellipse: s-maj=6.4km s-min=7.5km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=13.3km s-min=5.9km az=87.0.
VIE 145 km SE of Malmoe .
HEL Event type kh. Error ellipse: s-maj=1.9km s-min=1.4km az=-1.0. Explosion.
UPP Error ellipse: s-maj=0.1km s-min=0.0km az=-1.0.
BGR Event type ke. Error ellipse: s-maj=5.6km s-min=3.3km az=67.0.
BER Event type sh. Error ellipse: s-maj=6.6km s-min=7.7km az=-1.0. Suspected explosion.
(724) Baltic States-Belarus-Northwestern Russia
ISC VI 09 10 25 08.0–1.0 67.68N–.04 34.27E–.04 0 56 0-12
HEL VI 09 10 25 08.8–.20 67.69N 34.18E 0 2.1L ¶614403795
KOLA VI 09 10 25 09.0 67.65N 34.27E 0 2.4L
BER VI 09 10 25 10.0–.93 67.58N 34.22E 0 1.9L
IDC VI 09 10 25 11.7–2.1 67.68N 33.63E 0 3.4,2.3L
ISC Event type sh.
HEL Event type sh. Error ellipse: s-maj=2.2km s-min=3.5km az=-1.0. Suspected explosion.
KOLA Murmansk region, Kirovsk district .
BER Event type sh. Error ellipse: s-maj=6.2km s-min=15.4km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=22.5km s-min=10.2km az=80.0.
(329) Eastern Kazakhstan
NNC VI 09 13 12 14.7–.51 50.05N 78.48E 0 3.7b,3.4
¶612088816
NNC Event type sm. Error ellipse: s-maj=5.9km s-min=2.7km az=86.0. Suspected Mining explosion.
(460) Wyoming
ISC VI 09 20 41 20.5–1.1 44.37N–.05 105.40W–.06 0 51 1-19
NEIC VI 09 20 41 21.1–2.8 44.38N–.05 105.46W–.03 0–2 3.3L ¶610791554
IDC VI 09 20 41 21.7–1.2 44.57N 105.82W 0 3.5,2.8L
ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=9.0km s-min=3.9km az=176.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=42.7km s-min=8.1km az=141.0.
(548) Poland
ISC VI 09 20 48 43.0–.79 50.05N–.03 18.37E–.02 0 57 0-4
IPEC VI 09 20 48 43.2–.16 50.07N 18.45E 0 2.6L ¶610669125
VIE VI 09 20 48 43.5–.55 49.75N 18.60E 0 2.5L,2.2b
PRU VI 09 20 48 44.8 50.05N 18.32E 0 2.5L,2.2b
ISC Event type sr.
IPEC Event type ki. Error ellipse: s-maj=1.9km s-min=1.0km az=163.0.
VIE Event type sr. Error ellipse: s-maj=6.2km s-min=3.7km az=156.0. 27 km ESE of Ostrava . Suspected Mining induced.
PRU Event type ki.
(724) Baltic States-Belarus-Northwestern Russia
HEL VI 10 04 09 59.1–.20 67.64N 33.73E 0 1.4L
¶616448161
HEL Event type sh. Error ellipse: s-maj=2.3km s-min=4.5km az=-1.0. Suspected explosion.

(536) Sweden
HEL VI 10 04 11 17.9–.40 67.13N 20.46E 0 1.0L ¶616448162
HEL Event type sh. Error ellipse: s-maj=2.0km s-min=9.2km az=-1.0. Suspected explosion.
(724) Baltic States-Belarus-Northwestern Russia
HEL VI 10 09 54 38.7–.30 60.92N 29.42E 0 1.8L ¶616448171
HEL Event type kh. Error ellipse: s-maj=1.8km s-min=4.1km az=-1.0. Explosion.
(724) Baltic States-Belarus-Northwestern Russia
HEL VI 10 09 55 08.9–.20 67.67N 33.69E 0 1.1L ¶616448172
HEL Event type sh. Error ellipse: s-maj=4.3km s-min=8.2km az=-1.0. Suspected explosion.
(326) Southwestern Siberia
NNC VI 10 11 00 20.1–2.0 54.22N 86.41E 0 4.1b,3.4 ¶612088847
NNC Event type sm. Error ellipse: s-maj=20.2km s-min=9.1km az=2.0. Suspected Mining explosion.
(335) Ural Mountains region
ISC VI 10 12 20 17.9–1.2 54.34N–.06 60.53E–.07 0 12 2-16
NNC VI 10 12 20 10.4–5.8 54.41N 61.23E 0 3.4b,3.0 ¶610791592
IDC VI 10 12 20 17.9–.90 54.33N 60.30E 0 3.3,2.1L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=59.3km s-min=17.0km az=149.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=10.4km s-min=9.2km az=54.0.
(366) Turkey
ISC VI 10 13 53 41.7–.74 39.03N–.02 27.53E–.02 0 54 0-2
ISK VI 10 13 53 42.4 39.04N 27.57E 0–0 2.5L ¶611016831
DDA VI 10 13 53 43.0–.00 39.00N 27.55E 7–4 2.3L
THE VI 10 13 53 44.3 39.17N 27.64E 25–7 2.5L
ISC Event type sm.
ISK Event type sm. Suspected Mining explosion.
THE Event type ke. Error ellipse: s-maj=7.3km s-min=1.3km az=27.0.
(548) Poland
ISC VI 10 22 11 01.3–.72 51.57N–.03 16.10E–.02 0 89 1-19
IPEC VI 10 22 11 02.2–.25 51.51N 16.18E 1 2.3L ¶610670951
DNK VI 10 22 11 02.5–1.2 51.59N 15.85E 0 2.3L
PRU VI 10 22 11 03.4 51.47N 16.11E 0 2.3L
IDC VI 10 22 11 04.2–1.1 51.47N 15.93E 0 3.2,2.6L
VIE VI 10 22 11 04.8–.88 51.33N 16.03E 0 2.7L,2.2b
UPP VI 10 22 11 05.0–3.1 51.67N 15.52E 0 1.9L,2.2b
ISC Event type sr.
IPEC Event type ki. Error ellipse: s-maj=1.8km s-min=1.1km az=28.0.
DNK Event type sh. Error ellipse: s-maj=11.4km s-min=27.3km az=-1.0. Suspected explosion.
PRU Event type ki.
IDC Error ellipse: s-maj=26.0km s-min=9.6km az=125.0.
VIE Event type sr. Error ellipse: s-maj=9.1km s-min=5.5km az=77.0. 73 km WNW of Wroclaw . Suspected Mining induced.
UPP Error ellipse: s-maj=0.2km s-min=0.3km az=-1.0.
(713) Central Kazakhstan
ISC VI 11 00 05 35.0–.83 42.39N–.02 70.49E–.02 5–6 3.9b 251 0-66
IDC VI 11 00 05 32.9–1.2 42.38N 70.53E 0 3.7b,3.6 ¶610670106
KRNET VI 11 00 05 34.7–.10 42.33N 70.55E 9 4.2b,3.6
MOS VI 11 00 05 34.3–.99 42.45N 70.39E 9 4.1b,3.6
NNC VI 11 00 05 35.9–.92 42.40N 70.61E 0 4.4b,4.2
ISU VI 11 00 05 35.5 42.30N 70.50E 5 4.4b,4.2
SOME VI 11 00 05 36.2 42.30N 70.67E 20 4.4b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=22.4km s-min=10.3km az=2.0.
MOS Error ellipse: s-maj=5.5km s-min=4.6km az=47.1.
NNC Event type sm. Error ellipse: s-maj=7.1km s-min=2.6km az=47.0. Suspected Mining explosion.
(538) France
STR VI 11 07 27 25.7–.36 50N–3.0 0E–4.0 0 3.2 ¶616651476
STR Event type sh. manual. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/haslach_taup-2.11. preliminary.
(366) Turkey
ISK VI 11 11 29 36.2 39.07N 37.28E 0–0 1.8L ¶617481130
ISK Event type sm. Suspected Mining explosion.
(547) Czech and Slovak Republics
PRU VI 11 12 55 36.4 49.84N 18.54E 0 ¶616704265
PRU Event type ki.
(548) Poland
ISC VI 11 16 03 12.5–.72 50.27N–.04 18.89E–.02 0 59 1-12
IDC VI 11 16 03 12.9–1.1 49.97N 19.03E 0 3.0,2.6L ¶610669654
VIE VI 11 16 03 13.6–.64 50.17N 18.80E 0 2.3L,2.1b
IPEC VI 11 16 03 13.7–.18 50.24N 18.84E 1 2.4L,2.1b
PRU VI 11 16 03 16.1 50.21N 18.67E 0 2.4L,2.1b
ISC Event type sr.
IDC Error ellipse: s-maj=19.3km s-min=8.7km az=161.0.
VIE Event type sr. Error ellipse: s-maj=10.2km s-min=3.5km az=166.0. 16 km SW of Katowice . Suspected Mining induced.
IPEC Event type ki. Error ellipse: s-maj=2.3km s-min=1.1km az=167.0.
PRU Event type ki.
(460) Wyoming
ISC VI 11 20 05 13.4–1.0 43.76N–.06 105.41W–.07 0 28 1-61
NEIC VI 11 20 05 13.4–2.5 43.74N–.05 105.47W–.07 0–2 3.4L ¶610791670
IDC VI 11 20 05 13.4–1.5 43.73N 105.55W 0 4.0b,3.5
ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=9.1km s-min=7.3km az=318.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=44.5km s-min=8.1km az=149.0.
(548) Poland
ISC VI 11 22 59 50.4–.63 50.31N–.03 18.83E–.02 0 135 1-20
LDG VI 11 22 59 51.8–.26 50.35N 18.87E 1 3.3L ¶616387331
IPEC VI 11 22 59 52.1–.13 50.26N 18.82E 1 2.8L
BGR VI 11 22 59 53.0–.34 50.19N 18.80E 1 3.2L
IDC VI 11 22 59 53.2–2.3 50.14N 18.82E 0 3.8,2.5L
PRU VI 11 22 59 56.3 50.19N 18.59E 0 3.8,2.5L
ISC Event type sr.
LDG Event type sr. Error ellipse: s-maj=6.3km s-min=3.5km az=13.0. Suspected Mining induced.
IPEC Event type ki. Error ellipse: s-maj=2.3km s-min=0.7km az=167.0.
BGR Event type ki. Error ellipse: s-maj=7.8km s-min=4.4km az=174.0.
IDC Error ellipse: s-maj=40.7km s-min=8.8km az=133.0.
PRU Event type ki.
(329) Eastern Kazakhstan
ISC VI 12 07 27 33.1–1.3 49.99N–.04 78.45E–.08 0 29 1-13
NNC VI 12 07 27 34.8–.25 50.06N 78.92E 0 3.1b,2.6 ¶610791708
ASRS VI 12 07 27 35.2–.54 50N–2.0 79E–3.0 9 3.2,2.6
IDC VI 12 07 27 38.8–4.2 49.99N 79.07E 0 2.9,2.4L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=5.9km s-min=1.6km az=69.0. Suspected Mining explosion.
ASRS Event type ke. Error ellipse: s-maj=6.6km s-min=4.4km az=62.2. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=64.0km s-min=24.6km az=82.0.
(713) Central Kazakhstan
ISC VI 12 08 59 04.8–1.4 42.56N–.03 70.00E–.08 0 40 0-4
SOME VI 12 08 59 03.3 42.52N 69.97E 15 ¶612088905
KRNET VI 12 08 59 04.2–.10 42.76N 69.80E 2.6b
NNC VI 12 08 59 04.5–.26 42.56N 70.03E 0 3.6b,2.9
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=4.0km s-min=0.9km az=108.0. Suspected Mining explosion.
(329) Eastern Kazakhstan
ISC VI 12 10 55 32.8–1.0 49.72N–.05 83.51E–.06 0 15 2-4
SOME VI 12 10 55 27.2 50.32N 84.23E 5 ¶610791718
IDC VI 12 10 55 30.8–1.5 49.73N 83.61E 0 2.7,2.3L
NNC VI 12 10 55 30.9–.94 49.66N 83.55E 0 3.0b,2.7
ISC Event type sm.
IDC Error ellipse: s-maj=20.4km s-min=11.3km az=88.0.
NNC Event type sm. Error ellipse: s-maj=11.1km s-min=6.8km az=84.0. Suspected Mining explosion.
(545) Northern Italy
ROM VI 12 15 52 40.9–.15 46.142N–.01 11.20E–.01 0 1.0L ¶616387413
ROM Event type sm. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
(713) Central Kazakhstan
NNC VI 13 06 23 55.6–2.1 49.69N 73.98E 0 3.7b,3.5 ¶612088940
NNC Event type sm. Error ellipse: s-maj=18.6km s-min=7.2km az=117.0. Suspected Mining explosion.
(536) Sweden
UPP VI 13 10 32 35.5–.10 65.85N 21.78E 0 1.8L
HEL VI 13 10 32 36.0–.20 65.85N 21.75E 0 1.2L ¶611910750
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
HEL Event type kh. Error ellipse: s-maj=1.1km s-min=3.9km az=-1.0. Explosion.
(721) Finland
HEL VI 13 10 33 46.2–.20 62.65N 23.97E 0 1.2L ¶616448249
HEL Event type kh. Error ellipse: s-maj=2.1km s-min=4.7km az=-1.0. Explosion.
(724) Baltic States-Belarus-Northwestern Russia
HEL VI 13 12 52 55.5–.10 67.71N 33.65E 0 1.2L ¶616448256
HEL Event type kh. Error ellipse: s-maj=2.4km s-min=3.3km az=-1.0. Explosion.
(536) Sweden
HEL VI 13 12 53 03.5–.40 67.84N 20.10E 0 1.3L ¶616448257
HEL Event type kh. Error ellipse: s-maj=1.7km s-min=7.9km az=-1.0. Explosion.
(536) Sweden
ISC VI 13 17 00 34.1–.73 67.08N–.02 21.03E–.02 0 78 0-8
HEL VI 13 17 00 34.9–.20 67.10N 21.03E 0 2.2L ¶610791791
UPP VI 13 17 00 34.2–.10 67.08N 20.95E 0 2.3L
BER VI 13 17 00 34.8–1.2 66.87N 21.28E 0 2.0L
IDC VI 13 17 00 35.1–.93 67.05N 21.20E 0 3.0,2.2L
ISC Event type kh.
HEL Event type kh. Error ellipse: s-maj=1.1km s-min=5.0km az=-1.0. Explosion.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
BER Event type sh. Error ellipse: s-maj=4.9km s-min=8.1km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=15.2km s-min=7.9km az=113.0.
(547) Czech and Slovak Republics
ISC VI 13 22 56 56.4–.78 49.80N–.03 18.48E–.02 0 66 0-5
VIE VI 13 22 56 56.0–.66 49.68N 18.58E 0 2.5L,2.4b ¶610674291
IPEC VI 13 22 56 57.2–.17 49.83N 18.55E 1 2.4L,2.4b
PRU VI 13 22 56 59.9 49.81N 18.37E 0 2.4L,2.4b
ISC Event type sr.
VIE Event type sr. Error ellipse: s-maj=6.9km s-min=3.9km az=148.0. 29 km SE of Ostrava . Suspected Mining induced.
IPEC Event type ki. Error ellipse: s-maj=1.7km s-min=1.1km az=163.0.
PRU Event type ki. Mining Induced Event Csm, E=3.3e+05.
(326) Southwestern Siberia
IDC VI 14 06 15 36.0–2.8 54.14N 87.21E 0 3.0,2.7L
NNC VI 14 06 15 32.6–3.7 54.15N 87.37E 0 3.2b,2.9 ¶610791836
IDC Error ellipse: s-maj=23.1km s-min=16.7km az=59.0.
NNC Event type sm. Error ellipse: s-maj=37.3km s-min=25.2km az=94.0. Suspected Mining explosion.
(366) Turkey
ISK VI 14 07 07 36.1 39.10N 27.51E 0–0 2.1L
DDA VI 14 07 07 43.4–.00 38.80N 26.49E 7–7 1.7L ¶611509682
ISK Event type sm. Suspected Mining explosion.
(546) Austria
VIE VI 14 07 31 49.7–1.5 47.46N 16.05E 0 1.1L ¶611627843
VIE Event type sm. Error ellipse: s-maj=8.8km s-min=5.9km az=12.0. 2 km NNW of Friedberg . Suspected Mining explosion.
(326) Southwestern Siberia
ISC VI 14 08 35 46.9–4.1 54.4N–.20 86.4E–.20 0 16 1-10
NNC VI 14 08 35 42.2–2.4 54.58N 86.82E 6–17 3.5b,3.2 ¶610791844
IDC VI 14 08 35 45.8–2.5 54.52N 86.51E 0 3.7,3.2L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=30.5km s-min=12.8km az=167.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=20.6km s-min=13.5km az=57.0.
(326) Southwestern Siberia
ISC VI 14 08 55 13.8–3.5 54.0N–.10 86.4E–.20 0 16 1-10
NNC VI 14 08 55 11.7–2.3 54.07N 86.61E 0 3.1b,2.9 ¶610791847
IDC VI 14 08 55 16.2–2.1 53.94N 86.29E 0 3.2,2.7L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=19.8km s-min=9.8km az=21.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=17.2km s-min=10.4km az=66.0.
(721) Finland
HEL VI 14 09 36 38.2–.10 60.56N 25.91E 0 1.2L
LVSN VI 14 09 36 35.9–2.1 59.34N 25.09E 0–34 2.2L ¶615297800
HEL Event type kh. Error ellipse: s-maj=0.7km s-min=0.6km az=-1.0. Explosion.
LVSN Error ellipse: s-maj=9.6km s-min=143.9km az=-1.0.
(723) Finland-Karelia border region
ISC VI 14 09 59 20.0–.95 64.68N–.03 30.86E–.05 0 54 1-10
HEL VI 14 09 59 20.5–.20 64.66N 30.72E 0 1.9L ¶610791857
IDC VI 14 09 59 22.8–1.8 64.65N 30.39E 0 2.9,2.1L
KOLA VI 14 09 59 25.3 64.90N 30.46E 0 2.1L,2.1L
ISC Event type sh.
HEL Event type sh. Error ellipse: s-maj=0.8km s-min=3.6km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=24.5km s-min=8.2km az=104.0.
KOLA Karelia.
(535) Southern Norway
BER VI 14 11 46 00.5–1.4 62.01N 5.63E 0 1.4L ¶615935806
BER Event type sh. Error ellipse: s-maj=5.0km s-min=10.4km az=-1.0. Suspected explosion.
(536) Sweden
ISC VI 14 12 40 43.3–.90 61.32N–.03 16.17E–.02 0 47 0-3
UPP VI 14 12 40 43.2–.10 61.33N 16.14E 3–9 2.5L ¶611793061
DNK VI 14 12 40 43.5–.38 61.32N 16.14E 0 2.5L
BER VI 14 12 40 45.1–1.9 61.29N 16.32E 0 2.5L,1.4L
ISC Event type kh.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
DNK Event type kh. Error ellipse: s-maj=0.7km s-min=1.7km az=-1.0. Explosion.
BER Event type kh. Error ellipse: s-maj=4.7km s-min=6.4km az=-1.0. Suspected explosion.
(460) Wyoming
ISC VI 14 17 44 27.1–1.1 43.53N–.05 105.28W–.05 0 52 1-10
NEIC VI 14 17 44 27.9–2.4 43.54N–.04 105.32W–.06 0–1 3.3L ¶610791877
IDC VI 14 17 44 28.0–1.8 43.85N 105.68W 0 3.6,3.5L
ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=8.0km s-min=4.8km az=307.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=50.5km s-min=9.3km az=149.0.
(478) Utah
ISC VI 14 20 57 57.7–.94 40.51N–.02 112.21W–.02 0 93 0-9
UUSS VI 14 20 57 57.6–1.1 40.51N–.02 112.17W–.02 -2–2 2.9L,2.9L ¶610674294
NEIC VI 14 20 57 58.3–1.2 40.52N–.02 112.19W–.01 0–2 2.9L,2.9L
IDC VI 14 20 57 59.9–1.3 40.64N 112.13W 0 3.7L,3.2
ISC Event type sm.
UUSS Event type sm. Error ellipse: s-maj=3.5km s-min=3.0km az=25.0. hypocenter. manual.

NEIC Event type sm. Error ellipse: s-maj=3.0km s-min=3.0km az=354.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=23.4km s-min=6.7km az=153.0.
(326) Southwestern Siberia
IDC VI 15 06 54 45.4–3.2 54.25N 87.41E 0 2.7,2.3L
¶610791916
IDC Error ellipse: s-maj=26.3km s-min=17.5km az=56.0.
(326) Southwestern Siberia
ISC VI 15 09 41 46.5–3.2 53.6N–.10 87.7E–.20 0 12 2-8
IDC VI 15 09 41 46.0–2.7 53.59N 87.88E 0 3.2,2.9L **¶610791934**
NNC VI 15 09 41 46.6–2.8 53.46N 87.80E 0 3.1b,2.7
ISC Event type sm.
IDC Error ellipse: s-maj=23.1km s-min=15.8km az=63.0.
NNC Event type sm. Error ellipse: s-maj=22.2km s-min=12.7km az=65.0. Suspected Mining explosion.
(538) France
STR VI 15 09 55 07.5–.60 48N–2.0 7E–4.0 0 1.6
¶616651555
STR Event type sm. manual. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/alpes_taup-2.11. preliminary.
(724) Baltic States-Belarus-Northwestern Russia
ISC VI 15 11 25 30.2–.86 67.68N–.04 34.16E–.04 0 75 0-12
KOLA VI 15 11 25 31.0 67.66N 34.18E 0 2.5L **¶614403810**
HEL VI 15 11 25 30.3–.20 67.63N 34.24E 0 2.3L
IDC VI 15 11 25 31.8–1.9 67.72N 33.94E 0 3.3,2.6L
BER VI 15 11 25 31.4–1.2 67.60N 34.33E 0 2.3L,2.6L
UPP VI 15 11 25 31.6–3.0 67.57N 33.94E 0 2.4L,2.6L
ISC Event type sh.
KOLA Khibiny, mines Koashva, Nyurkpakh.
HEL Event type sh. Error ellipse: s-maj=2.1km s-min=4.7km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=21.0km s-min=10.1km az=77.0.
BER Event type sh. Error ellipse: s-maj=7.2km s-min=20.6km az=-1.0. Suspected explosion.
UPP Error ellipse: s-maj=0.2km s-min=0.6km az=-1.0.
(721) Finland
HEL VI 15 12 58 20.1–.10 62.41N 22.02E 0 1.5L
¶616448324
HEL Event type kh. Error ellipse: s-maj=0.8km s-min=1.9km az=-1.0. Explosion.
(724) Baltic States-Belarus-Northwestern Russia
HEL VI 15 12 59 39.0–.90 60.91N 29.25E 0 1.2L
¶616448325
HEL Event type sh. Error ellipse: s-maj=3.4km s-min=13.3km az=-1.0. Suspected explosion.
(460) Wyoming
ISC VI 15 19 07 24.2–1.1 43.56N–.05 105.18W–.05 0 50 1-14
IDC VI 15 19 07 23.5–2.2 43.53N 105.35W 0 3.5,2.3L **¶610791961**
NEIC VI 15 19 07 25.0–1.2 43.58N–.05 105.14W–.06 0–2 3.3L,2.3L
ISC Event type sm.
NEIC Event type sm. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(326) Southwestern Siberia
IDC VI 16 04 29 39.4–3.6 55.53N 86.10E 0 2.8,2.6L
¶610791979
IDC Error ellipse: s-maj=27.7km s-min=26.5km az=59.0.
(326) Southwestern Siberia
ISC VI 16 05 33 29.1–4.1 54.5N–.30 87.2E–.20 0 7 1-8
NNC VI 16 05 33 29.6–1.3 54.38N 87.18E 0 3.4b,2.6 **¶610791980**
IDC VI 16 05 33 30.3–3.2 54.29N 87.30E 0 3.0,2.6L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=18.7km s-min=6.8km az=173.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=27.7km s-min=19.9km az=46.0.
(326) Southwestern Siberia
ISC VI 16 06 55 20.7–3.7 53.8N–.10 88.1E–.20 0 11 2-8
IDC VI 16 06 55 19.3–3.0 53.78N 88.19E 0 2.8,2.2L **¶610791982**
NNC VI 16 06 55 20.2–1.7 53.67N 88.22E 0 3.1b,2.7
ISC Event type sm.
IDC Error ellipse: s-maj=24.7km s-min=17.7km az=61.0.
NNC Event type sm. Error ellipse: s-maj=14.0km s-min=8.3km az=56.0. Suspected Mining explosion.
(326) Southwestern Siberia
IDC VI 16 07 21 19.0–3.2 54.31N 86.79E 0 2.8,2.6L
¶610791984
IDC Error ellipse: s-maj=26.8km s-min=16.0km az=61.0.
(326) Southwestern Siberia
ISC VI 16 07 23 12.1–3.9 53.9N–.20 87.1E–.20 0 8 1-8
NNC VI 16 07 23 12.6–4.5 53.79N 87.11E 0 2.9b,2.8 **¶610791985**
IDC VI 16 07 23 16.0–2.6 53.72N 86.88E 0 3.0,2.6L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=55.8km s-min=22.1km az=26.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=23.7km s-min=13.4km az=71.0.
(713) Central Kazakhstan
ISC VI 16 07 25 19.8–2.1 43.49N–.07 70.02E–.09 0 22 1-7
SOME VI 16 07 25 20.6 43.42N 69.90E **¶612089071**
NNC VI 16 07 25 21.6–.55 43.43N 69.94E 0 3.7b,3.4
KRNET VI 16 07 25 21.4–.10 43.26N 69.82E 2.7b,3.4
ISC Event type sm.
SOME Event type kx.
NNC Event type sm. Error ellipse: s-maj=3.1km s-min=3.0km az=21.0. Suspected Mining explosion.
(326) Southwestern Siberia
NNC VI 16 07 39 09.1–3.4 54.04N 86.80E 0 3.5b,3.1
¶612089074
NNC Event type sm. Error ellipse: s-maj=40.1km s-min=22.9km az=158.0. Suspected Mining explosion.
(326) Southwestern Siberia
ISC VI 16 07 55 12.2–3.6 55.1N–.20 84.08E–.09 0 9 1-8
NNC VI 16 07 55 14.1–2.1 54.70N 86.22E 0 2.6b,2.5 **¶610791989**
IDC VI 16 07 55 15.2–3.0 54.59N 86.39E 0 2.8,2.6L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=41.7km s-min=12.1km az=141.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=23.2km s-min=15.9km az=43.0.
(721) Finland
HEL VI 16 09 06 50.9–.20 64.03N 24.64E 0 1.0L
¶616448351
HEL Event type kh. Error ellipse: s-maj=1.1km s-min=4.1km az=-1.0. Explosion.
(724) Baltic States-Belarus-Northwestern Russia
HEL VI 16 09 06 56.6–.20 59.26N 27.81E 0 1.8L
EST VI 16 09 06 56.3–.10 59.24N 27.80E 0 1.8L **¶615297816**
LVSN VI 16 09 06 56.8–1.7 59.19N 28.27E 0–639 2.0L
HEL Event type sh. Error ellipse: s-maj=0.8km s-min=2.3km az=-1.0. Suspected explosion.
EST Event type kh. Error ellipse: s-maj=0.4km s-min=0.6km az=-1.0. Explosion.
LVSN Error ellipse: s-maj=104.8km s-min=999.9km az=-1.0.
(724) Baltic States-Belarus-Northwestern Russia
ISC VI 16 09 12 02.0–.68 59.37N–.02 24.03E–.02 0 56 0-10
IDC VI 16 09 12 04.7–1.0 59.42N 24.04E 0 3.1,2.6L **¶610791991**
HEL VI 16 09 12 04.2–.10 59.36N 24.00E 0 2.2L,2.6L
EST VI 16 09 12 04.1–.00 59.36N 23.98E 0 2.2L,2.6L
LVSN VI 16 09 12 05.3–3.6 59.35N 24.08E 0–29 2.2L,2.6L
ISC Event type kh.
IDC Error ellipse: s-maj=11.7km s-min=8.5km az=163.0.
HEL Event type kh. Error ellipse: s-maj=0.3km s-min=0.5km az=-1.0. Explosion.
EST Event type kh. Error ellipse: s-maj=0.3km s-min=0.4km az=-1.0. Explosion.
LVSN Error ellipse: s-maj=9.3km s-min=20.8km az=-1.0.
(366) Turkey
ISK VI 16 09 18 05.4 37.25N 28.20E 0–0 1.6L
DDA VI 16 09 18 06.2–.00 37.24N 28.20E 7–0 1.1L **¶611509913**
ISK Event type sm. Suspected Mining explosion.
(548) Poland
PRU VI 16 09 19 46.8 50.16N 18.67E 0
¶616704317
PRU Event type ki.
(326) Southwestern Siberia
ISC VI 16 09 45 46.7–2.1 52.40N–.04 86.6E–.10 0 10 2-6
IDC VI 16 09 45 51.9–2.8 53.56N 87.56E 0 2.8,2.5L **¶610791995**
NNC VI 16 09 45 52.1–1.2 53.17N 87.35E 0 3.1b,2.8
ISC Event type sm.
IDC Error ellipse: s-maj=23.4km s-min=15.1km az=64.0.
NNC Event type sm. Error ellipse: s-maj=12.6km s-min=5.2km az=57.0. Suspected Mining explosion.
(536) Sweden
HEL VI 16 09 53 29.4–.20 67.64N 20.81E 0 1.4L
KOLA VI 16 09 53 31.7 66.97N 25.16E 0 1.9L **¶615319093**
HEL Event type sh. Error ellipse: s-maj=0.9km s-min=4.1km az=-1.0. Suspected explosion.
KOLA Finland, Lapland.
(536) Sweden
HEL VI 16 09 57 54.8–.60 67.84N 20.09E 0 1.0L
¶616448354
HEL Event type kh. Error ellipse: s-maj=2.4km s-min=13.0km az=-1.0. Explosion.
(724) Baltic States-Belarus-Northwestern Russia
ISC VI 16 09 59 13.1–1.1 64.74N–.03 31.03E–.06 0 33 1-7
HEL VI 16 09 59 14.1–.20 64.75N 30.77E 0 1.5L **¶610791996**
IDC VI 16 09 59 17.4–3.8 64.74N 30.37E 0 2.8,2.2L
ISC Event type sh.
HEL Event type sh. Error ellipse: s-maj=1.0km s-min=4.7km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=62.0km s-min=9.9km az=102.0.
(460) Wyoming
ISC VI 16 16 41 00.4–.99 43.55N–.05 105.33W–.05 0 36 1-20
IDC VI 16 16 40 59.3–2.6 43.45N 105.40W 0 3.4,2.8L **¶610792016**
NEIC VI 16 16 41 01.3–1.8 43.57N–.05 105.29W–.05 0–1 3.2L,2.8L
ISC Event type sm.
NEIC Event type sm. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(456) Montana
ISC VI 16 19 47 38.3–1.0 45.96N–.04 106.47W–.05 0 39 1-17
NEIC VI 16 19 47 38.1–3.0 45.86N–.05 106.66W–.07 0–1 3.2L **¶610792021**
IDC VI 16 19 47 40.4–1.5 45.69N 106.47W 0 3.8L,3.0
ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=8.7km s-min=7.7km az=130.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=44.9km s-min=9.9km az=136.0.
(460) Wyoming
ISC VI 16 20 06 25.0–.58 43.77N–.04 105.30W–.04 0 4.6s,4.1b 129 1-90
ANF VI 16 20 06 24.9–.30 43.72N 105.30W 0 3.9L,4.1b **¶610792022**
NEIC VI 16 20 06 25.0–1.6 43.79N–.05 105.29W–.06 0–2 3.6L,4.1b
IDC VI 16 20 06 25.1–.77 44.11N 105.70W 0 4.5s,3.9b
ISC Event type sm.
ANF Error ellipse: s-maj=4.7km s-min=3.3km az=146.0.
NEIC Event type sm. Error ellipse: s-maj=8.3km s-min=6.7km az=156.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=22.3km s-min=7.0km az=145.0.
(536) Sweden
ISC VI 16 23 33 39.3–.77 67.84N–.02 20.23E–.02 0 54 0-8
IDC VI 16 23 33 38.4–1.3 67.80N 20.10E 0 2.5,1.9L **¶610792033**
UPP VI 16 23 33 38.8–.00 67.85N 20.21E 0 2.2L,1.9L
HEL VI 16 23 33 39.2–.10 67.83N 20.16E 0 1.6L,1.9L
ISC Event type kh.
IDC Error ellipse: s-maj=19.2km s-min=8.8km az=118.0.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
HEL Event type kh. Error ellipse: s-maj=0.5km s-min=2.0km az=-1.0. Explosion.
(326) Southwestern Siberia
ISC VI 17 08 50 29.2–3.2 53.6N–.10 90.5E–.20 0 17 3-15
SOME VI 17 08 50 22.1 52.25N 89.78E 20 **¶610792051**
IDC VI 17 08 50 26.1–2.9 53.71N 90.98E 0 3.5,2.7L
NNC VI 17 08 50 32.4–4.8 52.95N 90.69E 0 4.0b,3.7
ISC Event type sm.
IDC Error ellipse: s-maj=25.8km s-min=19.7km az=54.0.
NNC Event type sm. Error ellipse: s-maj=38.2km s-min=27.2km az=59.0. Suspected Mining explosion.
(366) Turkey
ISK VI 18 08 59 12.5 37.34N 27.93E 0–0 1.8L
¶617481141
ISK Event type sm. Suspected Mining explosion.
(460) Wyoming
ISC VI 18 19 31 39.1–1.2 43.58N–.06 104.98W–.07 0 27 1-14
IDC VI 18 19 31 40.3–1.4 43.72N 105.41W 0 3.3,2.5L **¶610792142**
NEIC VI 18 19 31 41.5–.78 43.62N–.05 105.15W–.05 0–2 3.4L,2.5L
ISC Event type sm.
NEIC Event type sm. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(536) Sweden
UPP VI 18 23 38 32.7–.00 67.83N 20.20E 0 2.1L
HEL VI 18 23 38 33.8–.40 67.83N 20.32E 0 1.8L **¶611910779**
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
HEL Event type sh. Error ellipse: s-maj=1.7km s-min=8.9km az=-1.0. Suspected explosion.
(326) Southwestern Siberia
ISC VI 19 06 59 04.5–3.5 54.4N–.20 87.3E–.20 0 12 2-10
NNC VI 19 06 59 02.5–1.2 54.29N 87.71E 0 2.8b,2.5 **¶610792171**
IDC VI 19 06 59 08.4–2.5 54.27N 87.10E 0 3.1,2.7L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=9.6km s-min=5.8km az=24.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=21.2km s-min=13.8km az=59.0.
(548) Poland
ISC VI 19 09 12 14.3–.85 50.07N–.04 18.45E–.03 0 39 0-4
IPEC VI 19 09 12 14.2–.16 50.08N 18.45E 1 2.3L **¶610693563**
VIE VI 19 09 12 14.2–.36 50.08N 18.42E 0 2.6L,2.0b
PRU VI 19 09 12 16.6 50.02N 18.34E 0 2.6L,2.0b
ISC Event type sr.
IPEC Event type ki. Error ellipse: s-maj=1.9km s-min=1.0km az=163.0.
VIE Event type sr. Error ellipse: s-maj=3.3km s-min=2.4km az=157.0. 30 km NNE of Ostrava . Suspected Mining induced.
PRU Event type ki.
(326) Southwestern Siberia
ISC VI 19 10 08 08.2–2.8 53.6N–.10 87.7E–.10 0 13 2-10
NNC VI 19 10 08 07.7–3.2 53.46N 87.82E 0 3.4b,3.0 **¶610792181**
IDC VI 19 10 08 08.7–2.6 53.52N 87.74E 0 3.4,2.8L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=25.0km s-min=14.1km az=66.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=23.6km s-min=14.2km az=52.0.
(478) Utah
ISC VI 19 19 50 12.9–1.0 41.17N–.03 112.94W–.04 0 24 0-8
IDC VI 19 19 50 13.8–1.5 41.29N 113.12W 0 3.5L,2.3 **¶610792208**
NEIC VI 19 19 50 14.5–1.2 41.10N–.03 112.86W–.05 0–2 1.8L,2.3
ISC Event type sm.
NEIC Event type sm. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(37) Nevada
ISC VI 19 21 08 58.1–1.2 40.96N–.04 116.40W–.04 0 34 1-7
IDC VI 19 21 08 57.4–2.6 41.24N 116.68W 0 3.1L,2.5 **¶610792212**
NEIC VI 19 21 08 57.9–1.5 40.97N–.04 116.42W–.06 0–2 2.5L,2.5
ISC Event type sm.
NEIC Event type sm. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(456) Montana
ISC VI 19 21 14 28.1–1.0 45.87N–.06 106.61W–.07 0 40 1-8
IDC VI 19 21 14 28.3–2.0 45.68N 106.65W 0 3.1,2.8L **¶610792213**
NEIC VI 19 21 14 28.2–1.1 45.85N–.03 106.57W–.07 0–2 3.1L,2.8L

ISC Event type sm.
NEIC Event type sm. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(326) Southwestern Siberia
ISC VI 20 06 35 03.3–3.3 53.25N–.09 86.3E–.20 0 7 1-7
NNC VI 20 06 35 06.4–3.9 54.47N 86.29E 0 2.7b,2.6 ¶610789148
IDC VI 20 06 35 10.0–2.3 54.14N 86.27E 0 3.2,3.0L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=81.4km s-min=16.8km az=157.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=19.3km s-min=11.4km az=62.0.
(326) Southwestern Siberia
IDC VI 20 08 00 57.9–3.1 54.30N 87.20E 0 3.2,2.7L
NNC VI 20 08 00 58.9–5.3 54.59N 86.74E 0 3.0b,2.9 ¶610789150
IDC Error ellipse: s-maj=28.4km s-min=18.0km az=56.0.
NNC Event type sm. Error ellipse: s-maj=149.4km s-min=31.7km az=156.0. Suspected Mining explosion.
(326) Southwestern Siberia
ISC VI 20 08 02 34.6–3.3 54.3N–.20 86.7E–.20 0 11 1-10
NNC VI 20 08 02 31.1–1.1 54.32N 87.01E 0 3.0b,2.8 ¶610789151
IDC VI 20 08 02 36.2–2.7 54.21N 86.72E 0 3.2,2.6L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=14.9km s-min=6.1km az=175.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=22.8km s-min=12.8km az=63.0.
(713) Central Kazakhstan
NNC VI 20 08 44 24.5–.78 50.85N 73.41E 0 3.9b,3.7 ¶612053630
NNC Event type sm. Error ellipse: s-maj=6.8km s-min=5.6km az=73.0. Suspected Mining explosion.
(723) Finland-Karelia border region
ISC VI 20 09 58 47.5–.86 64.83N–.02 30.46E–.04 0 72 1-10
UPP VI 20 09 58 42.8–3.0 64.59N 31.43E 0 2.0L ¶610789156
HEL VI 20 09 58 47.3–.10 64.79N 30.66E 0 2.0L
BER VI 20 09 58 47.2–1.4 64.73N 31.21E 0 2.0L
IDC VI 20 09 58 48.8–2.0 64.76N 30.62E 0 3.3,2.4L
KOLA VI 20 09 58 48.8 64.86N 30.75E 0 2.5L,2.4L
ISC Event type sh.
UPP Error ellipse: s-maj=0.1km s-min=0.5km az=-1.0.
HEL Event type sh. Error ellipse: s-maj=0.6km s-min=3.2km az=-1.0. Suspected explosion.
BER Event type sh. Error ellipse: s-maj=12.3km s-min=24.6km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=27.9km s-min=8.4km az=101.0.
KOLA Karelia.
(536) Sweden
ISC VI 20 17 01 52.3–.70 67.00N–.02 20.99E–.03 0 57 0-11
UPP VI 20 17 01 53.5–.10 67.05N 20.96E 0 2.0L ¶610789166
IDC VI 20 17 01 54.6–.82 67.00N 21.17E 0 3.2,2.1L
HEL VI 20 17 01 54.1–.30 67.03N 20.96E 0 2.2L,2.1L
ISC Event type kh.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=15.9km s-min=7.6km az=112.0.
HEL Event type kh. Error ellipse: s-maj=1.3km s-min=5.9km az=-1.0. Explosion.
(460) Wyoming
ISC VI 20 17 04 03.3–1.0 43.61N–.05 105.34W–.05 0 30 1-9
IDC VI 20 17 04 03.1–2.6 43.57N 105.54W 0 3.3,3.0L ¶610789167
NEIC VI 20 17 04 04.7–1.6 43.62N–.05 105.34W–.04 0–2 3.1L,3.0L
ISC Event type sm.
NEIC Event type sm. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(478) Utah
ISC VI 20 20 01 58.5–.91 41.14N–.03 112.88W–.03 0 46 0-8
NEIC VI 20 20 01 60.0–2.2 41.15N–.01 112.86W–.01 0–1 1.9L ¶610789178
IDC VI 20 20 02 01.7–1.6 41.17N 112.76W 0 2.9L,1.8
ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=2.2km s-min=1.8km az=153.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=64.3km s-min=11.4km az=147.0.
(713) Central Kazakhstan
ISC VI 21 08 50 00.3–4.3 53.8N–.20 88.4E–.20 10 7 2-8
IDC VI 21 08 50 05.3–3.1 53.50N 87.61E 0 2.9,2.3L ¶610789201
ISC Event type ke.
IDC Error ellipse: s-maj=27.2km s-min=16.0km az=60.0.
(366) Turkey
ISK VI 21 09 12 20.5 36.24N 33.69E 0–1 0.9L ¶617481142
ISK Event type sm. Suspected Mining explosion.
(326) Southwestern Siberia
ISC VI 21 09 12 41.1–3.5 53.7N–.10 91.4E–.20 0 15 4-16
NNC VI 21 09 12 47.0–2.9 53.10N 91.38E 0 4.1b,3.8 ¶610789202
IDC VI 21 09 12 48.3–2.9 53.64N 90.66E 0 3.5,3.1L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=22.4km s-min=16.0km az=69.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=25.5km s-min=20.6km az=68.0.
(723) Finland-Karelia border region
HEL VI 21 09 30 25.2–.40 61.13N 29.94E 0 1.6L ¶616448476
HEL Event type sh. Error ellipse: s-maj=2.4km s-min=5.2km az=-1.0. Suspected explosion.
(721) Finland
HEL VI 21 09 30 39.2–.10 63.32N 23.46E 0 1.3L ¶616448477
HEL Event type sh. Error ellipse: s-maj=1.0km s-min=2.3km az=-1.0. Explosion.
(724) Baltic States-Belarus-Northwestern Russia
HEL VI 21 09 58 47.4–.40 67.74N 33.74E 0 1.4L ¶617481144
HEL Event type sh. Error ellipse: s-maj=6.8km s-min=9.4km az=-1.0. Suspected explosion.
(721) Finland
HEL VI 22 09 15 34.9–.10 62.05N 26.09E 0 1.3L ¶616448506
HEL Event type kh. Error ellipse: s-maj=1.2km s-min=2.2km az=-1.0. Explosion.
(536) Sweden
HEL VI 22 09 15 48.3–.60 67.78N 20.13E 0 1.0L ¶616448507
HEL Event type sh. Error ellipse: s-maj=3.2km s-min=9.8km az=-1.0. Suspected explosion.
(724) Baltic States-Belarus-Northwestern Russia
HEL VI 22 10 00 19.1–.30 68.21N 33.24E 0 1.9L ¶616448511
HEL Event type kh. Error ellipse: s-maj=3.2km s-min=3.2km az=-1.0. Explosion.
(723) Finland-Karelia border region
ISC VI 22 10 00 46.6–1.1 64.75N–.03 30.94E–.06 0 35 1-6
HEL VI 22 10 00 46.6–.20 64.72N 30.79E 0 2.0L ¶610789267
IDC VI 22 10 00 50.1–2.5 64.66N 30.61E 0 2.8,2.0L
ISC Event type sh.
HEL Event type sh. Error ellipse: s-maj=0.9km s-min=3.6km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=40.1km s-min=9.1km az=101.0.
(724) Baltic States-Belarus-Northwestern Russia
ISC VI 22 10 28 28.5–.77 68.19N–.03 33.14E–.03 0 66 1-11
HEL VI 22 10 28 28.7–.10 68.22N 33.13E 0 2.0L ¶614403827
UPP VI 22 10 28 29.6–3.0 68.17N 33.10E 0 2.2L
BER VI 22 10 28 29.0–1.4 67.89N 33.27E 0 2.0L
KOLA VI 22 10 28 30.1 68.11N 33.19E 0 2.4L
IDC VI 22 10 28 31.2–1.9 68.26N 32.86E 0 3.3,2.5L
ISC Event type kh.
HEL Event type kh. Error ellipse: s-maj=0.8km s-min=0.6km az=-1.0. Explosion.
UPP Error ellipse: s-maj=0.2km s-min=0.6km az=-1.0.
BER Event type sh. Error ellipse: s-maj=8.7km s-min=23.4km az=-1.0. Suspected explosion.
KOLA Error ellipse: s-maj=2.4km s-min=2.1km az=70.0. Olenegorsk City, Mines.
IDC Error ellipse: s-maj=22.2km s-min=12.5km az=60.0.
(721) Finland
ISC VI 22 11 31 06.5–.79 63.97N–.02 28.09E–.03 0 34 1-6
HEL VI 22 11 31 07.4–.10 63.99N 28.11E 0 1.4L ¶610789271
IDC VI 22 11 31 09.3–1.9 63.96N 27.84E 0 2.7,1.3L
ISC Event type sh.
HEL Event type sh. Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=47.6km s-min=10.7km az=95.0.
(383) Northwestern Balkan Peninsula
VIE VI 22 11 59 18.5–.34 46.66N 15.32E 0 1.0L,0.6b ¶617481146
VIE Event type sm. Error ellipse: s-maj=3.3km s-min=1.1km az=24.0. 7 km SE of Eibiswald . Suspected Mining explosion.
(546) Austria
LJU VI 22 11 59 42.3 46.05N 13.62E 0 0.9L ¶611627947
LJU Event type kh. Explosion.
(383) Northwestern Balkan Peninsula
ISC VI 22 12 08 35.0–.77 44.78N–.02 15.17E–.02 0 37 0-3
VIE VI 22 12 08 33.0–2.3 44.77N 15.23E 0 2.5L,2.3b ¶611627948
RHSSO VI 22 12 08 36.6–.48 44.80N 15.19E 6–3 2.1L,2.3b
ISC Event type sm.
VIE Event type sm. Error ellipse: s-maj=14.9km s-min=11.4km az=96.0. 83 km SSW of Karlovac . Suspected Mining explosion.
(536) Sweden
ISC VI 22 17 08 32.0–.72 67.10N–.02 20.88E–.03 0 67 1-8
UPP VI 22 17 08 32.2–.10 67.08N 20.92E 0 2.0L ¶610789286
HEL VI 22 17 08 32.1–.20 67.07N 20.84E 0 2.0L
IDC VI 22 17 08 33.0–.98 67.06N 21.11E 0 2.6,1.9L
ISC Event type kh.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
HEL Event type kh. Error ellipse: s-maj=0.8km s-min=3.9km az=-1.0. Explosion.
IDC Error ellipse: s-maj=17.5km s-min=8.3km az=116.0.
(50) Sonora
ISC VI 22 21 49 11.7–.96 31.00N–.05 110.44W–.04 0 15 1-9
ECX VI 22 21 49 12.9–.27 31.10N 110.48W 0 2.7L ¶611918866
MEX VI 22 21 49 13.3–.26 30.71N 110.80W 5 3.7
ISC Event type kh.
ECX Event type kh. Error ellipse: s-maj=10.2km s-min=5.1km az=-1.0. Explosion.
MEX Error ellipse: s-maj=3.8km s-min=5.5km az=-1.0.
(326) Southwestern Siberia
ISC VI 23 07 44 40.8–4.6 54.0N–.20 86.3E–.20 0 9 1-8
NNC VI 23 07 44 36.6–1.9 54.10N 86.66E 0 2.9b,2.8 ¶610789321
IDC VI 23 07 44 40.0–2.3 54.04N 86.37E 0 3.2,2.9L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=20.4km s-min=8.9km az=8.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=18.7km s-min=11.2km az=62.0.
(326) Southwestern Siberia
ISC VI 23 07 52 37.9–4.1 53.8N–.10 90.7E–.20 0 13 3-16
NNC VI 23 07 52 35.4–3.2 53.87N 90.94E 0 3.8b,3.5 ¶610789322
IDC VI 23 07 52 38.7–3.2 53.74N 90.66E 0 3.2,3.2L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=23.2km s-min=15.6km az=67.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=27.0km s-min=21.1km az=59.0.
(326) Southwestern Siberia
ISC VI 23 08 51 37.4–3.6 53.6N–.10 87.6E–.20 0 9 2-8
NNC VI 23 08 51 36.9–2.3 53.55N 87.69E 0 2.9b,2.6 ¶610789329
IDC VI 23 08 51 37.9–3.0 53.54N 87.61E 0 2.9,2.6L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=21.2km s-min=9.9km az=47.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=25.8km s-min=14.1km az=62.0.
(460) Wyoming
ISC VI 23 18 02 02.2–.99 43.72N–.05 105.30W–.07 0 35 1-14
IDC VI 23 18 02 03.6–1.2 44.04N 105.79W 0 3.5,3.4L ¶610789352
NEIC VI 23 18 02 03.3–1.5 43.70N–.05 105.32W–.03 0–2 3.3L,3.4L
ISC Event type sm.
NEIC Event type sm. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(383) Northwestern Balkan Peninsula
LJU VI 23 21 51 27.0 46.39N 15.07E 0 ¶612173536
LJU Event type kr. Confirmed Rockburst.
(724) Baltic States-Belarus-Northwestern Russia
HEL VI 23 22 52 27.2–.10 67.62N 33.78E 0 1.5L ¶615192071
HEL Event type sh. Error ellipse: s-maj=1.7km s-min=3.6km az=-1.0. Suspected explosion.
(724) Baltic States-Belarus-Northwestern Russia
KOLA VI 23 22 52 58.6 67.68N 33.90E 0 2.2L
BER VI 23 22 52 54.7–1.4 67.43N 34.41E 0 2.2L ¶617481147
KOLA Error ellipse: s-maj=6.2km s-min=1.8km az=140.0. Khibiny Massif.
BER Event type sh. Error ellipse: s-maj=10.4km s-min=23.3km az=-1.0. Suspected explosion.
(548) Poland
ISC VI 24 22 03 48.4–.77 51.56N–.03 16.11E–.02 0 79 1-11
DNK VI 24 22 03 48.2–.51 51.24N 15.62E 37–21 2.2L ¶610695041
IPEC VI 24 22 03 48.9–.26 51.52N 16.26E 1 2.4L
VIE VI 24 22 03 50.5–.88 51.42N 16.58E 0 2.8L,2.3b
IDC VI 24 22 03 51.2–1.2 51.35N 16.31E 0 3.1,2.6L
PRU VI 24 22 03 51.1 51.46N 16.11E 0 3.1,2.6L
ISC Event type sr.
DNK Error ellipse: s-maj=16.4km s-min=23.5km az=-1.0.
IPEC Event type ki. Error ellipse: s-maj=1.9km s-min=1.1km az=29.0.
VIE Event type sr. Error ellipse: s-maj=9.2km s-min=5.9km az=85.0. 47 km NW of Wroclaw . Suspected Mining induced.
IDC Error ellipse: s-maj=18.1km s-min=10.0km az=129.0.
PRU Event type ki.
(548) Poland
PRU VI 24 22 11 12.6 51.50N 16.14E 0 ¶616704417
PRU Event type ki.
(536) Sweden
ISC VI 25 00 31 07.9–.70 67.17N–.02 20.66E–.02 0 65 0-11
IDC VI 25 00 31 09.0–.79 67.13N 20.87E 0 3.1,2.4L ¶610789413
UPP VI 25 00 31 08.7–.00 67.18N 20.65E 1 2.6L,2.4L
HEL VI 25 00 31 09.2–.00 67.17N 20.64E 1 2.6L,2.3L
ISC Event type ki.
IDC Error ellipse: s-maj=13.3km s-min=7.0km az=111.0.
UPP Event type ki. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Confirmed Induced event.
HEL Event type ki. Error ellipse: s-maj=0.3km s-min=0.3km az=-1.0. Confirmed Induced event.
(547) Czech and Slovak Republics
ISC VI 25 08 55 04.4–.79 49.83N–.03 18.52E–.02 0 62 0-4
VIE VI 25 08 55 04.8–.26 49.75N 18.59E 0 2.6L,2.2b ¶610694810
IPEC VI 25 08 55 05.4–.32 49.83N 18.55E 0–3 2.5L,2.2b
PRU VI 25 08 55 06.9 49.84N 18.44E 0 2.5L,2.2b
ISC Event type sr.
VIE Event type sr. Error ellipse: s-maj=4.1km s-min=1.6km az=162.0. 26 km ESE of Ostrava . Suspected Mining induced.
IPEC Event type ki. Error ellipse: s-maj=2.1km s-min=1.7km az=70.0.
PRU Event type ki. Mining Induced Event Csm, E=2.2e+06.
(535) Southern Norway
ISC VI 25 11 55 51.3–.74 59.50N–.02 5.74E–.02 0 121 0-12
NAO VI 25 11 55 54.1–.60 59.55N 5.60E 8–7 2.7L ¶610694602
UPP VI 25 11 55 55.3–3.6 59.54N 6.13E 0 2.4L
DNK VI 25 11 55 55.5–2.0 59.60N 6.39E 0 3.6L
BER VI 25 11 55 55.3–2.0 59.49N 5.57E 12–4 2.7L,2.6L
IDC VI 25 11 55 57.9–3.1 61.30N 5.45E 0 3.4,2.0L
ISC Event type sh.
UPP Error ellipse: s-maj=0.2km s-min=0.5km az=-1.0.
DNK Event type sh. Error ellipse: s-maj=7.5km s-min=20.0km az=-1.0. Suspected explosion.
BER Event type ke. Error ellipse: s-maj=2.0km s-min=5.0km az=-1.0. Confirmed Earthquake. Moment Tensor Solution. NP1:ϕ_s115.92000°,δ48.65000°,λ-65.69000°.
IDC Error ellipse: s-maj=31.6km s-min=19.2km az=160.0.

(460) Wyoming
ISC VI 25 20 02 55.9–1.0 43.80N–.06 105.31W–.06 0 37 1-14
IDC VI 25 20 02 56.5–1.0 44.06N 105.71W 0 3.3,2.9L **¶610789463**
NEIC VI 25 20 02 56.5–.86 43.81N–.05 105.30W–.07 0–2 3.2L,2.9L
ISC Event type sm.
NEIC Event type sm. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(326) Southwestern Siberia
ISC VI 26 09 11 29.7–3.5 53.7N–.10 90.3E–.20 0 17 3-15
IDC VI 26 09 11 25.2–3.1 53.68N 90.81E 0 3.3,3.3L **¶610789499**
NNC VI 26 09 11 29.7–5.6 53.63N 90.59E 14–32 3.9b,3.6
ISC Event type sm.
IDC Error ellipse: s-maj=26.8km s-min=18.8km az=49.0.
NNC Event type sm. Error ellipse: s-maj=39.3km s-min=33.7km az=37.0. Suspected Mining explosion.
(548) Poland
PRU VI 26 18 29 50.8 50.06N 18.40E 0
¶616704439
PRU Event type ki.
(326) Southwestern Siberia
ISC VI 27 07 47 40.0–2.8 54.4N–.10 87.3E–.10 0 12 2-10
NNC VI 27 07 47 40.7–2.4 54.19N 87.59E 0 2.8b,2.6 **¶610789558**
IDC VI 27 07 47 44.4–2.5 54.26N 87.19E 0 3.1,2.5L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=19.1km s-min=11.1km az=27.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=22.1km s-min=15.2km az=66.0.
(713) Central Kazakhstan
ISC VI 27 11 21 44.4–2.0 43.48N–.07 69.57E–.09 0 33 1-5
NNC VI 27 11 21 42.3–.97 43.61N 69.64E 0 3.6b,3.1 **¶612053974**
KRNET VI 27 11 21 42.9–.10 43.52N 69.58E 3.2b,3.1
SOME VI 27 11 21 43.4 43.60N 69.75E 3.2b,3.1
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=8.0km s-min=4.2km az=60.0. Suspected Mining explosion.
SOME Event type kx.
(724) Baltic States-Belarus-Northwestern Russia
ISC VI 27 12 28 10.1–.65 59.68N–.02 22.22E–.03 0 98 1-10
DNK VI 27 12 28 10.8–2.0 59.61N 22.28E 0 2.3L **¶610789574**
HEL VI 27 12 28 11.9–.10 59.65N 22.20E 0 2.3L
EST VI 27 12 28 11.9 59.66N 22.21E 0 2.3L
LVSN VI 27 12 28 13.8–4.5 59.67N 22.12E 0–37 2.9L
BER VI 27 12 28 13.4–1.6 59.53N 22.17E 0 2.3L,1.9L
IDC VI 27 12 28 13.8–2.3 59.86N 22.27E 0 2.8,2.3L
UPP VI 27 12 28 14.0–1.0 59.72N 21.86E 0 2.5L,2.3L
ISC Event type kh.
DNK Event type sh. Error ellipse: s-maj=7.5km s-min=20.8km az=-1.0. Suspected explosion.
HEL Event type kh. Error ellipse: s-maj=0.5km s-min=0.6km az=-1.0. Explosion.
EST Event type kh. Explosion.
LVSN Error ellipse: s-maj=12.1km s-min=31.8km az=-1.0.
BER Event type sh. Error ellipse: s-maj=4.5km s-min=6.9km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=30.0km s-min=8.5km az=165.0.
UPP Error ellipse: s-maj=0.0km s-min=0.1km az=-1.0.
(464) Minnesota
ISC VI 27 17 22 52.3–.94 47.56N–.04 92.73W–.04 0 18 1-16
NEIC VI 27 17 22 52.9–1.6 47.56N–.02 92.67W–.03 0–2 3.0,2.7L **¶610789584**
IDC VI 27 17 22 54.2–4.1 47.55N 92.78W 0 2.5,0.7L
ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=3.6km s-min=3.1km az=322.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=72.4km s-min=28.7km az=54.0.
(478) Utah
ISC VI 27 18 39 31.3–.87 41.16N–.03 112.88W–.03 0 32 0-8
NEIC VI 27 18 39 32.4–1.9 41.13N–.02 112.92W–.02 0–2 1.7L **¶610789590**
IDC VI 27 18 39 35.7–1.7 41.33N 112.79W 0 2.7L,2.0
ISC Event type sm.
NEIC Event type sm. Error ellipse: s-maj=3.3km s-min=3.0km az=323.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=61.9km s-min=11.5km az=148.0.
(456) Montana
ISC VI 27 18 54 50.1–1.2 45.28N–.05 106.88W–.06 0 35 1-9
IDC VI 27 18 54 49.9–1.3 45.04N 106.98W 0 3.5,3.2L **¶610789591**
NEIC VI 27 18 54 49.9–1.3 45.27N–.05 106.90W–.06 0–2 3.0L,3.2L
ISC Event type sm.
NEIC Event type sm. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(460) Wyoming
ISC VI 27 19 32 33.7–1.2 43.67N–.06 105.22W–.06 0 56 1-14
IDC VI 27 19 32 32.1–3.2 43.97N 105.42W 0 4.0L,3.1 **¶610789592**
NEIC VI 27 19 32 34.4–.61 43.68N–.04 105.22W–.07 0–2 3.4L,3.1
ISC Event type sm.
NEIC Event type sm. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(478) Utah
ISC VI 27 20 55 48.6–.90 41.10N–.03 112.92W–.03 0 40 0-8
IDC VI 27 20 55 50.0–2.0 40.85N 112.43W 0 2.8L,1.7 **¶610789595**
NEIC VI 27 20 55 49.4–1.7 41.09N–.03 112.84W–.04 0–2 1.9L,1.7
ISC Event type sm.
NEIC Event type sm. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(460) Wyoming
ISC VI 27 21 02 16.0–1.0 43.76N–.05 105.33W–.05 0 25 1-20
IDC VI 27 21 02 16.5–1.9 43.83N 105.62W 0 3.3,3.1L **¶610789597**
NEIC VI 27 21 02 16.4–.91 43.79N–.05 105.27W–.07 0–2 2.9L,3.1L
ISC Event type sm.
NEIC Event type sm. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(536) Sweden
ISC VI 28 00 48 58.0–.75 67.83N–.02 20.23E–.02 0 63 0-10
HEL VI 28 00 48 57.6–.10 67.84N 20.14E 0 1.9L **¶610789607**
UPP VI 28 00 48 57.6–.00 67.84N 20.21E 0 2.5L
IDC VI 28 00 48 58.6–.97 67.82N 20.49E 0 3.1,2.3L
ISC Event type sh.
HEL Event type sh. Error ellipse: s-maj=0.7km s-min=3.0km az=-1.0. Suspected explosion.
UPP Event type ki. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Confirmed Induced event.
IDC Error ellipse: s-maj=16.0km s-min=8.0km az=109.0.
(326) Southwestern Siberia
ISC VI 28 05 35 46.0–3.3 54.3N–.20 86.9E–.10 0 14 1-10
IDC VI 28 05 35 45.2–2.5 54.34N 87.03E 0 3.2,2.7L **¶610789619**
NNC VI 28 05 35 46.2–1.8 54.39N 86.79E 0 3.2b,3.0
ISC Event type sm.
IDC Error ellipse: s-maj=22.0km s-min=14.7km az=67.0.
NNC Event type sm. Error ellipse: s-maj=26.1km s-min=10.2km az=165.0. Suspected Mining explosion.
(326) Southwestern Siberia
IDC VI 28 07 05 17.1–2.6 54.14N 86.50E 0 3.0,2.8L
NNC VI 28 07 05 16.9–2.4 54.36N 86.31E 0 3.3b,2.4 **¶610789621**
IDC Error ellipse: s-maj=20.9km s-min=12.7km az=57.0.
NNC Event type sm. Error ellipse: s-maj=48.1km s-min=16.1km az=161.0. Suspected Mining explosion.
(721) Finland
ISC VI 28 08 59 27.7–.71 67.74N–.02 26.97E–.02 0 77 0-6
BER VI 28 08 59 28.4–1.5 67.49N 27.00E 0 1.6L **¶610789627**
HEL VI 28 08 59 28.5–.10 67.71N 26.94E 0 1.8L
KOLA VI 28 08 59 28.7 67.59N 26.67E 0 2.2L
IDC VI 28 08 59 29.3–1.3 67.70N 26.67E 0 2.8,1.7L
UPP VI 28 08 59 29.7–1.1 67.72N 26.71E 0 1.9L,1.7L
ISC Event type sh.
BER Event type sh. Error ellipse: s-maj=8.3km s-min=15.7km az=-1.0. Suspected explosion.
HEL Event type sh. Error ellipse: s-maj=0.8km s-min=2.4km az=-1.0. Suspected explosion.
KOLA Error ellipse: s-maj=16.2km s-min=4.5km az=30.0. Finland, Lapland.
IDC Error ellipse: s-maj=30.8km s-min=6.8km az=84.0.
UPP Error ellipse: s-maj=0.0km s-min=0.2km az=-1.0.
(329) Eastern Kazakhstan
ISC VI 28 13 33 51.1–.82 50.02N–.04 78.67E–.07 0 33 1-13
NNC VI 28 13 33 50.4–.32 50.01N 78.68E 0 3.2b,2.8 **¶610789644**
IDC VI 28 13 33 51.6–.80 50.08N 78.80E 0 2.9,2.4L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=6.0km s-min=1.5km az=74.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=9.8km s-min=5.6km az=56.0.
(536) Sweden
HEL VI 28 22 11 11.2–.40 67.16N 20.59E 0 1.1L
¶617481150
HEL Event type sh. Error ellipse: s-maj=1.6km s-min=6.8km az=-1.0. Suspected explosion.
(536) Sweden
HEL VI 29 04 03 57.0–.20 67.84N 20.05E 0 1.4L
¶616448686
HEL Event type kh. Error ellipse: s-maj=1.1km s-min=4.3km az=-1.0. Explosion.
(724) Baltic States-Belarus-Northwestern Russia
HEL VI 29 04 05 00.5–.30 68.00N 33.61E 0 1.3L
¶616448687
HEL Event type kh. Error ellipse: s-maj=4.5km s-min=3.4km az=-1.0. Explosion.
(721) Finland
HEL VI 29 11 19 54.9–.20 63.53N 27.28E 0 1.0L
¶616448699
HEL Event type kh. Error ellipse: s-maj=1.4km s-min=2.9km az=-1.0. Explosion.
(536) Sweden
HEL VI 29 11 20 57.6–.30 67.87N 20.47E 0 1.1L
¶616448700
HEL Event type sh. Error ellipse: s-maj=1.1km s-min=4.9km az=-1.0. Suspected explosion.
(336) Western Kazakhstan
ISC VI 29 11 41 34.8–.85 53.17N–.06 63.05E–.04 0 17 4-21
NNC VI 29 11 41 34.5–4.2 53.14N 62.96E 0 3.2b,2.8 **¶610789719**
IDC VI 29 11 41 35.4–.84 53.25N 63.02E 0 3.2,3.2b
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=56.7km s-min=19.4km az=150.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=12.7km s-min=8.2km az=5.0.
(724) Baltic States-Belarus-Northwestern Russia
HEL VI 29 13 21 45.5–.80 60.98N 30.23E 0 1.8L
¶616448707
HEL Event type kh. Error ellipse: s-maj=5.6km s-min=11.2km az=-1.0. Explosion.
(721) Finland
HEL VI 29 13 22 51.7–.10 64.79N 26.52E 0 1.3L
¶616448708
HEL Event type kh. Error ellipse: s-maj=1.0km s-min=1.8km az=-1.0. Explosion.
(460) Wyoming
ISC VI 29 22 31 16.5–.85 43.83N–.04 105.37W–.04 0 50 1-61
IDC VI 29 22 31 15.3–1.4 43.88N 105.52W 0 3.6b,3.5 **¶610789743**
NEIC VI 29 22 31 17.2–.82 43.81N–.04 105.30W–.04 0–2 3.3L,3.5
ISC Event type sm.
NEIC Event type sm. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
(326) Southwestern Siberia
ISC VI 30 07 44 00.1–3.9 53.7N–.10 90.6E–.20 0 15 3-15
NNC VI 30 07 43 58.4–3.2 53.75N 90.72E 0 3.9b,3.6 **¶610789769**
IDC VI 30 07 44 03.0–2.9 53.53N 90.41E 0 3.5,2.9L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=24.0km s-min=18.2km az=57.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=25.9km s-min=20.2km az=67.0.
(326) Southwestern Siberia
ISC VI 30 07 54 27.3–4.1 54.3N–.20 87.1E–.20 0 16 1-10
NNC VI 30 07 54 26.4–2.3 54.20N 87.42E 3–21 3.2b,3.0 **¶610789771**
IDC VI 30 07 54 29.8–2.7 54.21N 86.96E 0 3.2,2.6L
ISC Event type sm.
NNC Event type sm. Error ellipse: s-maj=24.7km s-min=10.4km az=26.0. Suspected Mining explosion.
IDC Error ellipse: s-maj=24.7km s-min=13.2km az=61.0.
(724) Baltic States-Belarus-Northwestern Russia
ISC VI 30 10 18 27.5–.89 67.71N–.03 34.13E–.03 0 52 0-7
KOLA VI 30 10 18 27.4 67.66N 34.24E 0 2.1L **¶614403849**
HEL VI 30 10 18 27.7–.20 67.72N 34.12E 0 1.9L
BER VI 30 10 18 28.0–.78 67.54N 34.24E 0 1.7L
IDC VI 30 10 18 32.0–2.7 67.68N 33.36E 0 2.7,2.1L
ISC Event type sh.
KOLA Murmansk region, Kirovsk district .
HEL Event type sh. Error ellipse: s-maj=2.0km s-min=3.5km az=-1.0. Suspected explosion.
BER Event type sh. Error ellipse: s-maj=5.6km s-min=13.7km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=28.3km s-min=10.3km az=76.0.
(724) Baltic States-Belarus-Northwestern Russia
ISC VI 30 10 29 18.0–.92 67.68N–.04 34.19E–.04 0 58 0-7
KOLA VI 30 10 29 17.8 67.62N 34.29E 0 2.1L **¶614403848**
BER VI 30 10 29 18.1–.79 67.68N 34.71E 0 1.7L
HEL VI 30 10 29 18.0–.30 67.64N 34.21E 0 2.0L
UPP VI 30 10 29 19.3–2.8 67.80N 34.07E 0 1.7L
IDC VI 30 10 29 21.9–2.8 67.69N 33.46E 0 2.9,1.9L
ISC Event type sh.
KOLA Murmansk region, Kirovsk district .
BER Event type sh. Error ellipse: s-maj=7.0km s-min=14.7km az=-1.0. Suspected explosion.
HEL Event type sh. Error ellipse: s-maj=3.2km s-min=6.1km az=-1.0. Suspected explosion.
UPP Error ellipse: s-maj=0.2km s-min=0.5km az=-1.0.
IDC Error ellipse: s-maj=31.7km s-min=12.5km az=70.0.
(534) North Sea
ISC VI 30 13 33 44.6–.56 58.93N–.03 1.94E–.02 8–3 4.9b,4.0s 1373 2-160
LDG VI 30 13 33 42.8–.11 58.95N 1.86E 10 5.1L,5.0 **¶610728749**
IDC VI 30 13 33 44.0–.32 58.99N 1.73E 0 4.6,4.6b
NAO VI 30 13 33 43.6–8.0 59.00N 1.78E 3–64 4.5L,4.6b
MED_R VI 30 13 33 44.0–.20 58.95N 2.04E 10 4.6W,4.6b
MOS VI 30 13 33 44.0–1.1 58.79N 1.76E 19 4.9b,4.0s
NEIC VI 30 13 33 44.7–1.9 58.92N–.06 1.8E–.10 10–1 5.0b,4.0s
UCC VI 30 13 33 44.2–.68 58.91N 1.86E 10 4.8L,4.0s
BER VI 30 13 33 45.5–2.1 59.00N 1.79E 4–7 4.7L,4.2L
BGS VI 30 13 33 45.2–1.1 58.95N 1.87E 7–8 4.7L,4.2L
GCMT VI 30 13 33 46.7–.40 59.00N–.05 1.90E–.04 12 4.8W,4.2L
DNK VI 30 13 33 46.3–4.5 58.92N 1.89E 31–17 4.7L,4.2L
UPP VI 30 13 33 50.0–2.5 58.99N 2.65E 0 3.5L,4.2L
PRU VI 30 13 34 00.2 57.95N 3.12E 10 4.8,4.2L
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=3.8km s-min=2.9km az=72.0.
IDC Error ellipse: s-maj=9.4km s-min=6.8km az=16.0.
NAO Error ellipse: s-maj=0.2km s-min=0.1km az=-1.0.
MED_R Error ellipse: s-maj=3.3km s-min=3.3km az=-1.0. nsta1 refers to body waves. nsta2 refers to surface waves, cutoff=35s. Moment Tensor Solution. Mantle waves: s13,c23;Duration: 1±1 Moment tensor: Scale 10^{16}Nm; M_{rr}0.85±.04 $M_{\theta\theta}$0.06±.03; $M_{\phi\phi}$-0.91±.03; $M_{r\theta}$0.03±.18; $M_{\theta\phi}$0.16±.03; $M_{\phi r}$0.16±.10; Best double couple: NP1:ϕ_s355.00000°,δ50.00000°,λ95.00000°. NP2:ϕ_s167.00000°,δ40.00000°,λ84.00000°. Principal axes: T 0.8600,Plg84.0000° ,Azm302.0000°; N 0.0800,Plg4.0000°,Azm171.0000°; P -0.9400,Plg5.0000°,Azm81.0000° $M_0$0.90000×10^{16}
MOS Error ellipse: s-maj=6.2km s-min=3.8km az=109.3.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=10.3km az=324.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
UCC Event type ke.
BER Event type ke. Error ellipse: s-maj=2.8km s-min=5.2km az=-1.0. Confirmed Earthquake.
BGS Error ellipse: s-maj=2.8km s-min=4.9km az=-1.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s22,c24; s63,c84;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.37±.07 $M_{\theta\theta}$0.16±.08; $M_{\phi\phi}$-1.53±.06; $M_{r\theta}$0.93±.34; $M_{\theta\phi}$0.22±.06; $M_{\phi r}$-0.16±.22; Best double couple: NP1:ϕ_s146.00000°,δ57.00000°,λ57.00000°.

	NP2:ϕ_s17.00000°,δ45.00000°,λ130.00000°. Principal axes: T 1.8720,Plg62.0000° ,Azm1.0000°; N -0.2850,Plg27.0000°,Azm166.0000°; P -1.5900,Plg6.0000°,Azm259.0000° $M_0$1.73100×10^{16}							
DNK	Error ellipse: s-maj=5.4km s-min=9.2km az=-1.0. Probable volcanic.							
UPP	Error ellipse: s-maj=0.1km s-min=0.4km az=-1.0.							
	(460) Wyoming							
ISC	**VI**	**30 19 05 24.2–1.0**	**44.48N–.04**	**105.41W–.06**	**0**		**23**	**1-9**
IDC	VI	30 19 05 26.2–1.5	44.63N	105.72W	0	3.1,1.8L		¶610789806
NEIC	VI	30 19 05 28.0–1.2	44.48N–.04	105.46W–.05	0–1	2.9L,1.8L		
ISC	Event type sm.							
NEIC	Event type sm. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
	(460) Wyoming							
ISC	**VI**	**30 19 49 18.4–.79**	**43.68N–.05**	**105.37W–.06**	**0**	**4.0b**	**66**	**1-85**
IDC	VI	30 19 49 16.0–1.7	43.18N	105.22W	0	3.6b,3.5		¶610789811
NEIC	VI	30 19 49 18.7–2.1	43.70N–.04	105.39W–.04	0–2	3.4L,3.5		
ISC	Event type sm.							
NEIC	Event type sm. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							

REGIONAL CATALOGUE OF EVENTS

SEISMIC REGION 1.
Alaska-Aleutian Arc.

(1) Central Alaska.

ISC I 02 12 12 41.1–1.1 64.01N–.02 150.43W–.02 5–9 3.3b 205 0-53
AEIC I 02 12 12 41.2–2.1 64.00N–.02 150.45W–.07 11–6 3.4L,3.2L ¶609949682
NEIC I 02 12 12 41.3–1.7 64.00N–.02 150.43W–.07 8–8 3.4L,3.2L
IDC I 02 12 12 42.0–1.2 64.14N 150.22W 0 3.3,3.3L
ISC Event type se.
AEIC Event type se. Error ellipse: s-maj=4.4km s-min=2.8km az=90.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=4.4km s-min=2.8km az=94.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=16.5km s-min=10.1km az=128.0.
ISC I 14 12 55 25.6–1.0 63.90N–.03 148.82W–.03 113–6 123 0-63
IDC I 14 12 55 25.4–4.2 64.01N 148.99W 113–36 3.2,2.9b ¶610094906
NEIC I 14 12 55 26.3–.78 63.89N–.03 148.82W–.09 110–6 3.2,2.9b
AEIC I 14 12 55 26.4–.80 63.87N–.03 148.82W–.08 110–5 3.0L,2.8L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC I 26 14 26 13.2–.34 62.02N–.03 152.43W–.03 141–3 4.5b 632 0-152
MOS I 26 14 26 11.7–.87 62.03N 152.53W 138 4.4b ¶610130714
NEIC I 26 14 26 12.7–2.1 61.99N–.04 152.46W–.09 145–5 4.4b
ANF I 26 14 26 13.8–.09 62.04N 152.39W 126–1 4.9L,4.9L
AEIC I 26 14 26 13.8–1.7 62.01N–.04 152.39W–.09 142–4 4.9L,4.5L
IDC I 26 14 26 14.0–.48 62.20N 152.52W 143–3 4.4,4.0b
ISC Event type se. Moment Tensor Solution. NP1:φs30.98891°,δ25.73703°,λ8.04065°. NP2: φs293.73697°,δ86.51772°,λ115.51629°. Principal axes: T Plg42.8365°,Azm228.2804° ; N Plg25.4658°,Azm112.0763°; P Plg36.4421°,Azm1.4876°
MOS Error ellipse: s-maj=11.1km s-min=6.9km az=101.0.
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=5.9km az=49.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ANF Error ellipse: s-maj=1.3km s-min=1.0km az=118.0.
AEIC Event type se. Error ellipse: s-maj=6.7km s-min=5.9km az=218.0. hypocenter. manual.
IDC Error ellipse: s-maj=10.4km s-min=6.8km az=8.0.
ISC I 31 09 38 37.5–.23 63.11N–.02 150.98W–.02 132–1 5.3b 1816 0-156
BGR I 31 09 38 32.7 61.95N 150.25W 142 5.1b ¶610150208
BJI I 31 09 38 34.3–.00 63.12N 151.27W 126 5.7b,5.4b
MOS I 31 09 38 36.1–.74 63.15N 151.07W 135 5.4b,5.4b
NEIC I 31 09 38 37.5–1.6 63.10N–.04 150.98W–.08 132–3 5.4b,5.4b
AEIC I 31 09 38 37.6–1.6 63.08N–.03 150.94W–.07 133–3 5.5L,5.3b
GCMT I 31 09 38 38.6–.10 63.21N–.01 150.93W–.02 143–1 5.2W,5.3b
IDC I 31 09 38 38.0–.37 63.24N 151.12W 134–3 5.2,4.8b
NEIC I 31 09 38 40 63.07N 150.91W 130 5.2,4.8b
ISC Event type se. Moment Tensor Solution. NP1:φs315.58106°,δ39.17197°,λ172.58572°. NP2: φs51.34181°,δ85.32465°,λ51.06340°. Principal axes: T Plg37.2881°,Azm287.3857° ; N Plg38.7827°,Azm55.1096°; P Plg29.3768°,Azm172.0032°
BGR Event type ke.
MOS Error ellipse: s-maj=9.1km s-min=3.8km az=98.1.
NEIC Event type se. Error ellipse: s-maj=5.5km s-min=5.1km az=48.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; Mrr2.68 Mθθ-5.10 Mφφ2.41 Mrθ4.69 Mθφ1.06 Mφr6.33 NP1:φs305.93000°,δ29.03000°,λ162.44000°. NP2:φs51.39000°,δ81.58000° ,λ62.11000°. Principal axes: T 10.0290,Plg46.0000°,Azm293.0000°; N -2.3076,Plg28.0000° ,Azm56.0000°; P -7.7214,Plg31.0000°,Azm164.0000° $M_0$9.10000×10^{16}
AEIC Event type se. Error ellipse: s-maj=5.4km s-min=3.9km az=217.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s108,c157; s132,c230;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; Mrr0.25±.02 Mθθ-0.50±.02; Mφφ0.25±.02; Mrθ0.59±.01; Mθφ0.04±.02; Mφr0.62±.01; Best double couple: NP1:φs51.00000°,δ83.00000°,λ66.00000°. NP2:φs305.00000°,δ25.00000°,λ163.00000°. Principal axes: T 1.0110,Plg47.0000° ,Azm296.0000°; N -0.1050,Plg24.0000°,Azm54.0000°; P -0.9050,Plg33.0000° ,Azm161.0000° $M_0$0.95800×10^{17}
IDC Error ellipse: s-maj=7.5km s-min=5.2km az=21.0.
NEIC Event type se. Moment Tensor Solution.Duration: 4s0 Moment tensor: Scale 10^{16}Nm; Mrr2.63 Mθθ-3.77 Mφφ1.13 Mrθ4.70 Mθφ0.07 Mφr5.29 NP1:φs295.00000°,δ21.00000° ,λ155.00000°. NP2:φs49.00000°,δ81.00000°,λ71.00000°. Principal axes: T 8.3619,Plg50.0000°,Azm298.0000°; N -1.2096,Plg19.0000°,Azm52.0000° ; P -7.1523,Plg33.0000°,Azm155.0000° $M_0$7.83000×10^{16}
ISC II 03 01 41 26.5–.94 64.51N–.02 152.40W–.03 20–11 101 1-7
AEIC II 03 01 41 26.4–1.0 64.49N–.03 152.41W–.09 20–3 3.7L,3.5L ¶610184292
NEIC II 03 01 41 26.1–1.0 64.50N–.02 152.41W–.09 19–7 3.7L,3.5L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 07 13 07 12.4–.99 62.35N–.02 148.92W–.02 16–9 58 1-5
¶612453938
ISC Event type ke.
NEIC II 07 18 46 43.8–1.6 64.95N–.03 151.55W–.08 17–5 0.7L
¶616232506
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC II 07 18 47 01.9–1.6 64.97N–.03 151.73W–.06 24–7 2.9L,2.6L
NEIC II 07 18 47 01.3–1.4 64.95N–.03 151.64W–.06 25–10 2.9L,2.6L ¶610198828
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 08 22 33 32.1–.99 63.18N–.03 150.51W–.04 119 126 0-45
IDC II 08 22 33 30.7–2.4 63.06N 150.45W 85–24 3.2,3.0b ¶610205752
NEIC II 08 22 33 32.0–.62 63.20N–.02 150.51W–.08 126–5 3.2,3.0b
AEIC II 08 22 33 32.7–.86 63.20N–.04 150.52W–.06 118–4 3.2L,2.9L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC II 13 07 17 13.7–.50 62.50N–.02 142.72W–.02 10–2 5.2b,5.0s 1323 0-169
MOS II 13 07 17 12.8–1.0 62.49N 142.82W 16 5.3b,4.9s ¶610208598
AEIC II 13 07 17 12.6–1.8 62.51N–.03 142.75W–.09 9–3 5.5L,5.4
IDC II 13 07 17 12.7–.33 62.59N 142.63W 0 4.8,4.8b
ANF II 13 07 17 12.6–.10 62.53N 142.74W 0 5.8L,5.8L
NEIC II 13 07 17 13.2–1.7 62.53N–.03 142.73W–.09 8–3 5.8L,5.8L
BGR II 13 07 17 16.9 62.84N 142.68W 10 4.6b,5.8L
GCMT II 13 07 17 16.6–.10 62.64N–.01 142.70W–.01 20–0 5.4W,5.8L
NEIC II 13 07 17 17.9 62.52N 142.75W 16 5.4W,5.4L
ISC Event type se. Moment Tensor Solution. NP1:φs159.41586°,δ60.70181°,λ-159.26263°. NP2: φs58.91932°,δ72.01356°,λ-30.96395°. Principal axes: T Plg7.3354°,Azm111.2328° ; N Plg54.6453°,Azm211.6867°; P Plg34.3589°,Azm16.1837°
MOS Error ellipse: s-maj=9.4km s-min=4.0km az=98.7.
AEIC Event type se. Error ellipse: s-maj=5.8km s-min=4.9km az=83.0. hypocenter. manual.
IDC Error ellipse: s-maj=9.5km s-min=5.3km az=37.0.
ANF Error ellipse: s-maj=1.4km s-min=1.1km az=21.0.
NEIC Event type se. Error ellipse: s-maj=5.8km s-min=4.9km az=85.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; Mrr-0.73 Mθθ-9.02 Mφφ9.75 Mrθ-0.78 Mθφ1.87 Mφr0.02 NP1:φs50.52000°,δ86.51000°,λ-3.92000°. NP2:φs140.76000°,δ86.08000° ,λ-176.51000°. Principal axes: T 9.9360,Plg0.0000°,Azm96.0000°; N -0.6633,Plg85.0000° ,Azm189.0000°; P -9.2727,Plg5.0000°,Azm6.0000° $M_0$9.62000×10^{16}
ISC Event type ke. Hypocentre not reviewed by the ISC.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s126,c222; s144,c277;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; Mrr0.01±.02 Mθθ-1.59±.02; Mφφ1.58±.02; Mrθ-0.35±.04; Mθφ0.24±.02; Mφr-0.09±.04; Best double couple: NP1:φs49.00000°,δ85.00000°,λ-11.00000°. NP2:φs140.00000°,δ79.00000°,λ-175.00000°. Principal axes: T 1.6060,Plg4.0000° ,Azm95.0000°; N 0.0650,Plg78.0000°,Azm205.0000°; P -1.6770,Plg11.0000°,Azm4.0000° $M_0$1.64200×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 2s4 Moment tensor: Scale 10^{17}Nm; Mrr-0.08 Mθθ-1.33 Mφφ1.41 Mrθ-0.15 Mθφ0.26 Mφr-0.41 NP1:φs231.01000°,δ83.41000° ,λ14.18000°. NP2:φs139.35000°,δ75.91000°,λ173.21000°. Principal axes: T 1.5414,Plg15.0000°,Azm96.0000°; N -0.1799,Plg74.0000°,Azm255.0000° ; P -1.3614,Plg5.0000°,Azm5.0000° $M_0$1.45000×10^{17}
ISC II 14 01 27 39.0–.96 63.14N–.02 151.49W–.02 11–8 156 0-62
IDC II 14 01 27 36.8–3.1 63.01N 151.79W 0 3.6b,3.3 ¶610208945
AEIC II 14 01 27 39.2–1.4 63.15N–.02 151.51W–.03 13–6 3.5L,3.3L
NEIC II 14 01 27 39.3–1.5 63.14N–.02 151.49W–.05 13–2 3.5L,3.3L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 23 09 59 36.0–.91 63.20N–.04 150.30W–.04 100 104 0-63
IDC II 23 09 59 36.3–6.5 63.26N 150.24W 123–55 3.0,2.6b ¶610239761
AEIC II 23 09 59 36.9–.91 63.23N–.04 150.41W–.05 113–4 2.9L,2.6L
NEIC II 23 09 59 36.2–.75 63.22N–.05 150.40W–.08 121–3 2.9L,2.6L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 10 00 36 50.0–.91 62.34N–.03 147.86W–.03 58–9 164 1-44
IDC III 10 00 36 47.8–1.2 62.29N 148.41W 48–20 3.6,3.6b ¶610316824
NEIC III 10 00 36 49.6–.73 62.36N–.02 147.85W–.05 24–10 3.6,3.6b
AEIC III 10 00 36 51.2–.76 62.36N–.03 147.82W–.06 44–7 3.4L,3.2L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
AEIC III 23 12 25 46.8–1.4 63.54N–.02 151.01W–.03 8–7 2.5L,2.4L
NEIC III 23 12 25 46.7–1.6 63.53N–.02 150.98W–.03 9–3 2.5L,2.4L ¶611149321
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 26 09 34 20.7–.88 62.54N–.03 151.13W–.04 89–6 243 0-63
IDC III 26 09 34 19.2–2.4 62.58N 151.30W 67–30 3.4,3.3L ¶610435155
NEIC III 26 09 34 21.1–.85 62.54N–.03 151.14W–.08 85–8 3.4,3.3L
AEIC III 26 09 34 22.3–1.1 62.55N–.02 151.12W–.07 74–6 3.4L,3.2L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC IV 07 08 54 39.3–1.0 62.24N–.02 149.42W–.02 29–10 246 0-44
IDC IV 07 08 54 34.3–3.1 62.04N 149.71W 0 3.1L,2.9 ¶610518303
NEIC IV 07 08 54 40.3–.90 62.23N–.02 149.43W–.05 37–9 3.1L,2.9
AEIC IV 07 08 54 40.8–.84 62.24N–.02 149.43W–.06 39–8 3.2L,3.0L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC IV 15 18 46 17.0–.94 63.64N–.02 150.65W–.02 7–7 3.6b 233 0-74
AEIC IV 15 18 46 16.9–1.9 63.61N–.02 150.65W–.03 12–4 3.5L,3.3L ¶610528540
NEIC IV 15 18 46 16.9–1.9 63.62N–.02 150.66W–.03 11–7 3.5L,3.3L
IDC IV 15 18 46 17.1–.84 63.85N 150.88W 0 3.4,3.4b
ISC Event type se.
AEIC Event type se. Error ellipse: s-maj=3.6km s-min=2.1km az=187.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=2.8km s-min=2.2km az=184.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=16.8km s-min=10.0km az=143.0.
ISC IV 17 15 18 49.8–.98 63.05N–.03 150.97W–.04 127 118 1-63
IDC IV 17 15 18 48.6–1.5 62.92N 150.84W 128–24 3.2,3.1b ¶610529493
NEIC IV 17 15 18 50.0–.71 63.08N–.03 150.96W–.08 134–5 3.2,3.1b
AEIC IV 17 15 18 50.6–.85 63.07N–.04 150.99W–.08 126–5 3.0L,2.7L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC IV 26 03 29 08.5–.60 62.22N–.03 149.40W–.03 60–6 4.3b 429 0-81
IDC IV 26 03 29 09.1–1.6 62.31N 149.54W 66–14 4.2,3.9b ¶610554505
ANF IV 26 03 29 09.4–.06 62.21N 149.38W 47–1 4.5L,4.5L
NEIC IV 26 03 29 09.4–1.3 62.21N–.03 149.35W–.06 55–5 4.5L,4.5L
NEIC IV 26 03 29 10 62.21N 149.37W 41 4.5L,4.5L
AEIC IV 26 03 29 10.2–1.3 62.23N–.02 149.35W–.06 42–6 4.3L,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; Mrr-2.24 Mθθ0.92 Mφφ1.32 Mrθ-0.43 Mθφ1.14 Mφr0.47 NP1:φs205.55000°,δ47.97000°,λ-110.17000°. NP2:φs54.30000°,δ45.79000° ,λ-69.07000°. Principal axes: T 2.2827,Plg1.0000°,Azm310.0000°; N 0.1304,Plg15.0000° ,Azm219.0000°; P -2.4130,Plg75.0000°,Azm44.0000° $M_0$2.35000×10^{15}
NEIC Event type se.
AEIC Event type se. hypocenter. manual.
ISC IV 27 05 08 38.3–.97 63.48N–.02 149.01W–.02 9–7 200 0-8
ANF IV 27 05 08 38.1–.26 63.47N 149.00W 7–2 3.6L,3.6L ¶610560093
AEIC IV 27 05 08 38.2–.69 63.46N–.03 149.01W–.07 7–7 3.4L,3.2L
NEIC IV 27 05 08 38.1–.76 63.47N–.02 149.01W–.05 7–10 3.4L,3.2L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 29 10 13 02.3–.92 63.20N–.03 150.65W–.04 133–6 122 0-45
IDC IV 29 10 13 01.2–2.2 63.08N 150.52W 98–19 3.1,2.8b ¶610589289
NEIC IV 29 10 13 01.9–.69 63.22N–.04 150.64W–.08 132–6 3.1,2.8b
AEIC IV 29 10 13 02.6–.81 63.21N–.04 150.63W–.08 126–3 3.0L,2.7L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC IV 29 11 15 49.1–.55 63.13N–.02 151.16W–.02 12–3 5.2b,4.4s 1596 0-171
BJI IV 29 11 15 46.9–.00 63.44N 151.54W 5 5.2s,5.1b ¶610589281
MOS IV 29 11 15 47.7–.82 63.18N 151.24W 11 5.3b,4.5s
IDC IV 29 11 15 47.7–.34 63.19N 151.26W 0 4.9,4.9b
AEIC IV 29 11 15 48.9–2.2 63.12N–.03 151.17W–.06 12–3 5.3L,5.3b
NEIC IV 29 11 15 49.8 63.15N 151.18W 10 5.3L,5.3b
NEIC IV 29 11 15 50 63.17N 151.17W 18 5.3L,5.3b
GCMT IV 29 11 15 50.9–.30 63.10N–.02 151.17W–.04 27–1 5.0W,5.3b
NEIC IV 29 11 15 50.8–2.3 63.13N–.02 151.13W–.05 16–3 5.0W,5.3b
NEIC IV 29 11 15 50 63.07N 151.17W 18 5.0W,5.3b
BGR IV 29 11 15 54.3 63.58N 150.35W 33 5.0b,5.3b
ISC Event type ke. Moment Tensor Solution. NP1:φs204.60518°,δ79.53357°,λ85.73263°. NP2: φs46.93587°,δ11.29396°,λ111.93966°. Principal axes: T Plg55.2721°,Azm109.3057° ; N Plg4.1962°,Azm205.3818°; P Plg34.3996°,Azm298.2613°
MOS Error ellipse: s-maj=8.9km s-min=3.9km az=100.0.
IDC Error ellipse: s-maj=8.9km s-min=7.2km az=14.0.
AEIC Event type se. Error ellipse: s-maj=4.3km s-min=3.2km az=224.0. hypocenter. manual.
NEIC Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s19,c24; s91,c121;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr0.38±.15 Mθθ2.09±.12; Mφφ-2.46±.12; Mrθ-1.51±.22; Mθφ0.11±.09; Mφr-2.04±.27; Best double couple: NP1:φs220.00000°,δ86.00000°,λ131.00000°. NP2:φs314.00000°,δ41.00000°,λ5.00000°. Principal axes: T 3.2240,Plg35.0000° ,Azm164.0000°; N 0.3760,Plg41.0000°,Azm37.0000°; P -3.5960,Plg29.0000°,Azm277.0000° $M_0$3.41000×10^{16}

NEIC Event type se. Error ellipse: s-maj=3.5km s-min=2.9km az=61.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.40 $M_{\theta\theta}$0.82 $M_{\phi\phi}$-1.22 $M_{r\theta}$-1.09 $M_{\theta\phi}$0.12 $M_{\phi r}$-1.44 NP1:ϕ_s316.62000°,δ28.90000°,λ13.26000°. NP2:ϕ_s214.96000°,δ83.64000°,λ118.25000°. Principal axes: T 2.0753,Plg44.0000°,Azm153.0000°; N 0.0612,Plg28.0000°,Azm32.0000°; P -2.1366,Plg33.0000°,Azm282.0000° $M_0$2.11000×10^{16}
NEIC Event type se. Moment Tensor Solution.Duration: 1^{s}4 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.02 $M_{\theta\theta}$1.62 $M_{\phi\phi}$-1.59 $M_{r\theta}$-1.15 $M_{\theta\phi}$0.28 $M_{\phi r}$-1.62 NP1:ϕ_s39.09000°,δ89.42000°,λ-129.44000°. NP2:ϕ_s308.39000°,δ39.45000°,λ-0.91000°. Principal axes: T 2.4892,Plg33.0000°,Azm161.0000°; N 0.1562,Plg39.0000°,Azm40.0000°; P -2.6453,Plg34.0000°,Azm276.0000° $M_0$2.57000×10^{16}
BGR Event type ke.
ISC V 02 13 13 54.3–1.0 63.12N–.02 151.13W–.02 7–7 4.4b,3.4s 386 0-82
IDC V 02 13 13 53.9–.51 63.16N 151.14W 0 4.1b,4.0 ¶610592318
NEIC V 02 13 13 54.6–1.4 63.11N–.02 151.13W–.05 9–4 4.1b,4.0
AEIC V 02 13 13 54.4–1.4 63.13N–.02 151.12W–.06 11–4 4.6b,4.4L
NEIC V 02 13 13 54.7 63.15N 151.13W 12 4.6b,4.4L
ISC Event type se.
IDC Error ellipse: s-maj=10.4km s-min=8.7km az=165.0.
NEIC Event type se. Error ellipse: s-maj=3.2km s-min=2.4km az=78.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-0.15 $M_{\theta\theta}$0.50 $M_{\phi\phi}$-0.35 $M_{r\theta}$-0.15 $M_{\theta\phi}$0.32 $M_{\phi r}$-1.31 NP1:ϕ_s282.17000°,δ20.66000°,λ-2.47000°. NP2:ϕ_s14.48000°,δ89.13000°,λ-110.65000°. Principal axes: T 1.2097,Plg41.0000°,Azm124.0000°; N 0.3612,Plg21.0000°,Azm15.0000°; P -1.5708,Plg42.0000°,Azm265.0000° $M_0$1.42000×10^{15}
AEIC Event type se. Error ellipse: s-maj=3.9km s-min=3.0km az=89.0. hypocenter. manual.
NEIC Event type se.
ISC V 07 05 22 31.3–1.2 64.74N–.02 152.14W–.03 2–10 165 1-61
IDC V 07 05 22 25.5–2.2 64.57N 153.21W 0 3.3,3.3L ¶610617821
AEIC V 07 05 22 31.9–1.3 64.74N–.02 152.10W–.09 8–6 3.7L,3.6L
NEIC V 07 05 22 32.1–1.2 64.75N–.02 152.08W–.05 11–6 3.7L,3.6L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 13 13 31 07.6–.52 62.18N–.03 147.83W–.03 46–5 4.1b 297 0-146
IDC V 13 13 31 08.1–.62 62.22N 148.08W 52–5 4.0,3.7b ¶610638469
NEIC V 13 13 31 08.7–1.2 62.18N–.02 147.82W–.08 48–5 4.0,3.7b
AEIC V 13 13 31 09.0–1.2 62.17N–.03 147.84W–.07 43–7 4.3L,4.1
NEIC V 13 13 31 09 62.17N 147.84W 43 4.3L,4.1
ISC Event type se.
IDC Error ellipse: s-maj=10.7km s-min=8.2km az=96.0.
NEIC Event type se. Error ellipse: s-maj=5.8km s-min=2.5km az=88.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-1.47 $M_{\theta\theta}$0.14 $M_{\phi\phi}$1.33 $M_{r\theta}$0.22 $M_{\theta\phi}$0.80 $M_{\phi r}$1.16 NP1:ϕ_s196.19000°,δ63.46000°,λ-100.70000°. NP2:ϕ_s39.11000°,δ28.47000°,λ-69.61000°. Principal axes: T 2.0979,Plg18.0000°,Azm294.0000°; N -0.2114,Plg10.0000°,Azm201.0000°; P -1.8865,Plg70.0000°,Azm84.0000° $M_0$2.00000×10^{15}
AEIC Event type se. Error ellipse: s-maj=4.7km s-min=3.6km az=113.0. hypocenter. manual.
NEIC Event type se.
ISC V 15 14 58 52.1–1.1 62.01N–.03 150.01W–.03 45–9 229 0-10
NEIC V 15 14 58 51.9–.77 62.01N–.02 150.00W–.03 40–17 ¶610639765
AEIC V 15 14 58 52.4–.77 62.01N–.03 150.02W–.06 42–8 3.6L,3.4L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC V 27 16 33 05.4–1.0 64.69N–.02 149.24W–.02 18–5 140 0-11
NEIC V 27 16 33 05.7–1.7 64.70N–.03 149.22W–.04 21–10 ¶610655152
AEIC V 27 16 33 05.9–1.9 64.66N–.02 149.24W–.06 18–7 3.5L,3.4L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VI 05 20 51 09.2–1.3 63.04N–.03 149.60W–.03 91–7 226 0-8
NEIC VI 05 20 51 09.2–.80 63.02N–.03 149.58W–.06 91–6 ¶610664091
AEIC VI 05 20 51 09.7–1.1 63.05N–.03 149.66W–.07 81–6 3.7,3.7L
NEIC VI 05 20 51 09 63.05N 149.66W 104 3.7,3.7L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=4.7km s-min=3.6km az=207.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=4.6km s-min=4.0km az=220.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}1.33 $M_{\theta\theta}$-4.18 $M_{\phi\phi}$2.85 $M_{r\theta}$-2.01 $M_{\theta\phi}$0.57 $M_{\phi r}$2.87 NP1:ϕ_s55.00000°,δ45.00000°,λ15.00000°. NP2:ϕ_s314.00000°,δ79.00000°,λ134.00000°. Principal axes: T 5.1274,Plg39.0000°,Azm263.0000°; N -0.0004,Plg43.0000°,Azm124.0000°; P -5.1270,Plg22.0000°,Azm12.0000° $M_0$5.13000×10^{14}
ISC VI 07 05 42 06.0–1.1 63.07N–.04 150.84W–.04 127 59 0-63
IDC VI 07 05 42 05.6–6.7 63.21N 151.13W 121–58 3.1,3.1b ¶610666233
NEIC VI 07 05 42 06.1–.78 63.07N–.05 150.8W–.10 136–9 3.1,3.1b
AEIC VI 07 05 42 07.4–1.4 63.05N–.05 150.8W–.10 116–7 2.9L,2.7L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC VI 10 21 33 22.6–1.1 64.71N–.05 156.21W–.09 18–9
AEIC VI 10 21 33 22.5–.75 64.73N–.05 156.19W–.08 18–7 2.7L,2.4L ¶611151007
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VI 13 07 39 35.5–.63 63.87N–.03 148.28W–.03 105–5 4.2b 323 0-73
NEIC VI 13 07 39 36.0–.91 63.88N–.01 148.27W–.08 103–5 4.2b ¶610671753
IDC VI 13 07 39 35.2–1.1 63.94N 148.52W 100–8 4.1,3.7b
AEIC VI 13 07 39 36.2–.99 63.87N–.03 148.26W–.09 101–5 4.1L,4.0
NEIC VI 13 07 39 36.2 63.87N 148.26W 101 4.1L,4.0
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=5.5km s-min=1.3km az=77.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}0.25 $M_{\theta\theta}$-0.20 $M_{\phi\phi}$-0.05 $M_{r\theta}$0.12 $M_{\theta\phi}$0.98 $M_{\phi r}$0.55 NP1:ϕ_s354.42000°,δ78.59000°,λ149.22000°. NP2:ϕ_s91.14000°,δ59.89000°,λ13.22000°. Principal axes: T 1.1394,Plg30.0000°,Azm309.0000°; N 0.0362,Plg57.0000°,Azm156.0000°; P -1.1757,Plg12.0000°,Azm46.0000° $M_0$1.16000×10^{15}
IDC Error ellipse: s-maj=16.2km s-min=14.2km az=42.0.
AEIC Event type se. Error ellipse: s-maj=6.2km s-min=4.5km az=121.0. hypocenter. manual.
NEIC Event type se.
ISC VI 17 15 24 10.7–.68 62.45N–.03 149.09W–.03 54–7 3.7b 310 0-74
IDC VI 17 15 24 09.4–1.4 62.34N 149.02W 52–17 3.7,3.6L ¶610680845
NEIC VI 17 15 24 10 62.45N 149.14W 60 3.7,3.6L
NEIC VI 17 15 24 11.4–1.6 62.45N–.03 149.06W–.05 46–8 3.7,3.6L
AEIC VI 17 15 24 12.0–1.3 62.46N–.01 149.10W–.05 38–7 4.3b,3.9L
ISC Event type se.
NEIC Event type se. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}-1.54 $M_{\theta\theta}$4.36 $M_{\phi\phi}$-2.82 $M_{r\theta}$1.64 $M_{\theta\phi}$0.49 $M_{\phi r}$-2.31 NP1:ϕ_s47.00000°,δ52.00000°,λ-161.00000°. NP2:ϕ_s305.00000°,δ75.00000°,λ-40.00000°. Principal axes: T 4.7869,Plg15.0000°,Azm1.0000°; N 0.0036,Plg48.0000°,Azm108.0000°; P -4.7905,Plg38.0000°,Azm259.0000° $M_0$4.79000×10^{14}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VI 19 12 57 17.4–.96 62.61N–.03 148.92W–.03 59–7 202 0-64
IDC VI 19 12 57 14.5–1.4 62.80N 149.66W 0 3.4,3.4b ¶610681816
NEIC VI 19 12 57 17.8–.92 62.62N–.04 148.90W–.09 41–38 3.4,3.4b
AEIC VI 19 12 57 18.2–.95 62.63N–.03 148.90W–.09 44–9 3.3L,3.2L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VI 20 16 03 34.7–.76 62.76N–.03 148.31W–.03 55–5 4.0b 256 0-64
IDC VI 20 16 03 34.6–2.2 62.83N 148.60W 60–22 3.8,3.8L ¶610686580
AEIC VI 20 16 03 35.4–1.1 62.76N–.03 148.30W–.07 54–5 4.0L,3.9
NEIC VI 20 16 03 35.4–.87 62.74N–.03 148.30W–.07 54–5 4.0L,3.9
NEIC VI 20 16 03 35.4 62.76N 148.30W 54 4.0L,3.9
ISC Event type se.
IDC Error ellipse: s-maj=32.5km s-min=15.4km az=100.0.
AEIC Event type se. Error ellipse: s-maj=4.9km s-min=4.1km az=60.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=5.2km s-min=3.9km az=63.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}-0.67 $M_{\theta\theta}$0.61 $M_{\phi\phi}$0.06 $M_{r\theta}$1.97 $M_{\theta\phi}$7.28 $M_{\phi r}$0.09 NP1:ϕ_s1.08000°,δ74.76000°,λ-178.87000°. NP2:ϕ_s270.79000°,δ88.91000°,λ-15.24000°. Principal axes: T 7.8770,Plg10.0000°,Azm317.0000°; N -0.6621,Plg75.0000°,Azm87.0000°; P -7.2149,Plg11.0000°,Azm225.0000° $M_0$7.57000×10^{14}
NEIC Event type se.
ISC VI 21 03 28 13.6–.72 63.10N–.03 150.95W–.03 129–5 3.6b 354 0-63
IDC VI 21 03 28 11.0–1.5 63.09N 151.25W 101–16 3.8,3.5b ¶610686649
AEIC VI 21 03 28 13.7–.95 63.11N–.03 150.90W–.08 125–5 3.8L,3.5L
NEIC VI 21 03 28 13.2–.96 63.11N–.04 150.94W–.08 127–5 3.8L,3.5L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC VI 21 20 20 57.7–.95 62.04N–.03 149.43W–.06 43–7 2.8L,2.6L
NEIC VI 21 20 20 57.1–.82 62.03N–.03 149.45W–.05 38–11 2.8L,2.6L ¶610690715
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 24 15 48 33.3–.77 63.54N–.02 147.33W–.02 6 3.7b 183 0-66
NEIC VI 24 15 48 32.9–1.5 63.56N–.02 147.32W–.04 3–11 3.7b ¶610694581
AEIC VI 24 15 48 33.6–1.8 63.53N–.03 147.34W–.07 6–7 3.2L,3.0L
IDC VI 24 15 48 38.0–1.5 63.79N 147.17W 34–14 3.5,3.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=3.0km s-min=2.3km az=223.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=5.3km s-min=4.2km az=145.0. hypocenter. manual.
IDC Error ellipse: s-maj=14.5km s-min=11.6km az=175.0.
ISC VI 28 12 58 51.2–.89 64.76N–.02 148.90W–.02 10–7 222 0-11
AEIC VI 28 12 58 51.9–1.7 64.76N–.03 148.91W–.05 17–4 3.7L,3.5L ¶610697650
NEIC VI 28 12 58 52.0–1.8 64.746N–.01 148.90W–.05 16–4 3.7L,3.5L
NEIC VI 28 12 58 52 64.76N 148.89W 10 3.7L,3.5L
ISC Event type se.
AEIC Event type se. Error ellipse: s-maj=4.3km s-min=3.0km az=208.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=3.4km s-min=1.4km az=94.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution. Moment tensor: Scale 10^{13}Nm; M_{rr}-4.85 $M_{\theta\theta}$-4.51 $M_{\phi\phi}$9.36 $M_{r\theta}$-4.81 $M_{\theta\phi}$2.43 $M_{\phi r}$0.85 NP1:ϕ_s45.00000°,δ60.00000°,λ-35.00000°. NP2:ϕ_s154.00000°,δ60.00000°,λ-145.00000°. Principal axes: T 9.7735,Plg0.0000°,Azm280.0000°; N -0.0025,Plg45.0000°,Azm189.0000°; P -9.7710,Plg45.0000°,Azm10.0000° $M_0$9.77000×10^{13}
ISC VI 29 10 57 26.5–.89 63.18N–.04 150.87W–.04 136–6 119 0-63
IDC VI 29 10 57 25.4–6.7 63.18N 151.04W 127–56 3.1,2.8b ¶610699304
NEIC VI 29 10 57 26.6–.68 63.20N–.01 150.87W–.08 134–7 3.1,2.8b
AEIC VI 29 10 57 27.1–1.2 63.19N–.04 150.95W–.09 130–5 3.3L,3.0L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.

(2) Southern Alaska.

ISC I 04 14 15 24.0–.53 60.11N–.03 153.44W–.03 159–4 4.3b 464 0-148
IDC I 04 14 15 22.2–.81 60.11N 153.63W 144–8 4.3,3.9b ¶609978256
NEIC I 04 14 15 23.0–1.8 60.08N–.05 153.54W–.08 161–4 4.3,3.9b
AEIC I 04 14 15 24.5–2.0 60.09N–.05 153.38W–.10 159–4 4.4b,4.4L
ANF I 04 14 15 24.1–.14 60.14N 153.43W 149–1 4.5L,4.4L
ISC Event type se.
IDC Error ellipse: s-maj=11.6km s-min=8.4km az=37.0.
NEIC Event type se. Error ellipse: s-maj=7.1km s-min=5.5km az=188.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=7.0km s-min=6.8km az=113.0. hypocenter. manual.
ANF Error ellipse: s-maj=1.8km s-min=1.6km az=139.0.
ISC I 07 09 37 40.5–.64 59.63N–.03 153.33W–.03 118–6 4.1b 315 0-94
IDC I 07 09 37 37.9–1.4 59.71N 153.55W 83–18 4.0,3.8s ¶610038960
ANF I 07 09 37 40.4–.13 59.63N 153.39W 113–2 4.0L,3.8s
NEIC I 07 09 37 40.1–1.4 59.60N–.04 153.40W–.06 115–7 4.0L,3.8s
AEIC I 07 09 37 41.3–1.4 59.60N–.05 153.33W–.09 115–5 4.0L,3.7L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC I 13 12 18 28.3–.74 61.49N–.03 151.30W–.03 93–6 311 0-49
IDC I 13 12 18 27.4–1.8 61.36N 151.01W 81–18 3.5,3.5b ¶610086839
ANF I 13 12 18 29.3–.11 61.48N 151.27W 80–2 3.7L,3.7L
NEIC I 13 12 18 29.0–1.1 61.50N–.04 151.31W–.06 89–7 3.7L,3.7L
AEIC I 13 12 18 30.0–1.2 61.49N–.04 151.32W–.08 84–5 3.5L,3.3L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC I 17 17 38 18.5–.87 59.74N–.03 152.52W–.03 94–6 222 0-28
NEIC I 17 17 38 17.8–1.3 59.72N–.04 152.56W–.06 96–6 ¶610098999
AEIC I 17 17 38 19.8–1.6 59.75N–.04 152.54W–.06 84–5 3.4L,3.0L
IDC I 17 17 38 25.9–7.6 60.45N 152.78W 126–83 3.8b,3.5
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=5.7km s-min=4.3km az=174.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=5.7km s-min=4.4km az=165.0. hypocenter. manual.
IDC Error ellipse: s-maj=70.8km s-min=34.6km az=1.0.
ISC I 20 14 19 23.7–1.3 60.29N–.04 152.53W–.05 110–7 237 0-11
NEIC I 20 14 19 23.1–.84 60.28N–.03 152.56W–.08 111–4 ¶610103756
AEIC I 20 14 19 24.1–1.1 60.28N–.03 152.58W–.07 109–4 3.6L,3.3L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC I 24 13 07 35.6–.69 61.68N–.03 151.62W–.03 105–5 3.8b 245 0-68
IDC I 24 13 07 33.2–1.4 61.65N 151.64W 81–17 3.7,3.4b ¶610114194
NEIC I 24 13 07 35.8–.93 61.69N–.01 151.63W–.09 101–5 3.7,3.4b
AEIC I 24 13 07 37.0–.84 61.68N–.04 151.62W–.09 94–4 3.9L,3.6L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC I 24 17 41 53.5–.91 59.93N–.03 152.81W–.04 116–6 192 0-31
NEIC I 24 17 41 52.3–1.3 59.90N–.04 152.85W–.05 126–7 ¶610114203
AEIC I 24 17 41 55.0–1.7 59.94N–.04 152.81W–.06 104–5 3.6L,3.2L
IDC I 24 17 41 56.4–8.2 60.02N 151.95W 75–87 3.7L,3.4
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=6.3km s-min=3.7km az=168.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=5.9km s-min=4.7km az=167.0. hypocenter. manual.
IDC Error ellipse: s-maj=58.1km s-min=56.6km az=43.0.
ISC I 26 18 58 44.5–.95 59.72N–.05 153.19W–.04 111–8 3.8b 100 0-65
IDC I 26 18 58 41.9–2.6 59.81N 153.63W 68–42 3.7,3.5L ¶610130725

NEIC I 26 18 58 43.9–.88 59.70N–.05 153.20W–.09 118–4 3.7,3.5L
AEIC I 26 18 58 45.9–1.1 59.73N–.03 153.16W–.08 105–6 3.3L,2.9L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC I 27 18 06 15.7–.64 60.07N–.03 153.56W–.04 167–5 3.8b 247 0-83
IDC I 27 18 06 14.2–1.0 60.11N 153.52W 145–17 4.0,3.6b **¶610144712**
NEIC I 27 18 06 14.2–1.5 60.05N–.05 153.66W–.09 177–4 4.0,3.6b
AEIC I 27 18 06 16.3–1.6 60.07N–.05 153.56W–.09 168–5 3.8L,3.6L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC I 31 01 12 55.4–.60 61.91N–.03 152.15W–.04 117 3.7b 121 0-147
IDC I 31 01 12 53.1–1.4 61.91N 152.40W 101–15 3.8s,3.8 **¶610148253**
NEIC I 31 01 12 55.9–.68 61.91N–.03 152.11W–.10 132–5 3.8s,3.8
AEIC I 31 01 12 57.1–.75 61.90N–.04 152.10W–.10 126–5 3.7L,3.5L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC II 01 13 08 32.6–1.0 59.24N–.04 152.81W–.04 90–7 172 0-45
NEIC II 01 13 08 31.7–.74 59.21N–.05 152.83W–.09 95–11 **¶610169722**
IDC II 01 13 08 32.5–3.2 59.27N 152.80W 66–27 3.5,3.4L
AEIC II 01 13 08 33.5–1.0 59.24N–.05 152.79W–.08 84–7 3.4L,3.1L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC II 03 17 08 49.3–.91 59.65N–.04 153.33W–.04 122–7 153 0-55
NEIC II 03 17 08 49.2–1.5 59.63N–.04 153.39W–.06 124–6 **¶610189552**
IDC II 03 17 08 49.4–2.3 59.68N 153.53W 90–36 3.4,3.2b
AEIC II 03 17 08 51.7–1.7 59.68N–.04 153.36W–.03 108–5 3.3L,2.9L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC II 06 04 45 17.0–.57 59.85N–.03 152.88W–.03 107–5 3.6b 366 0-78
IDC II 06 04 45 15.1–1.2 59.93N 153.03W 84–13 3.9,3.6b **¶610197731**
NEIC II 06 04 45 16.3–1.4 59.80N–.03 152.93W–.07 111–6 3.9,3.6b
ANF II 06 04 45 17.3–.12 59.86N 152.87W 100–2 4.0L,3.6b
AEIC II 06 04 45 18.3–1.4 59.84N–.04 152.87W–.05 101–6 4.0L,3.8L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC II 07 17 52 15.9–.74 59.85N–.04 153.48W–.04 147–6 3.6b 231 0-64
NEIC II 07 17 52 14.9–1.7 59.83N–.05 153.57W–.09 148–7 3.6b **¶610198825**
AEIC II 07 17 52 17.3–1.9 59.84N–.04 153.54W–.08 139–6 3.5L,3.2L
IDC II 07 17 52 17.9–7.7 60.21N 153.59W 138–61 3.6,3.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=6.7km s-min=6.5km az=181.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=6.4km s-min=5.6km az=123.0. hypocenter. manual.
IDC Error ellipse: s-maj=63.9km s-min=34.8km az=19.0.
ISC II 11 12 21 40.9–.83 61.34N–.03 150.74W–.03 69–5 3.3b 183 0-64
IDC II 11 12 21 40.0–1.9 61.23N 150.92W 61–24 3.4,3.2L **¶610208196**
AEIC II 11 12 21 41.8–1.2 61.35N–.03 150.71W–.06 63–6 3.4L,3.3L
NEIC II 11 12 21 41.1–1.1 61.35N–.03 150.73W–.03 67–8 3.4L,3.3L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 12 01 35 24.2–.47 59.32N–.03 153.66W–.03 127–4 4.3b 428 0-149
AEIC II 12 01 35 24.7–1.8 59.29N–.04 153.67W–.08 122–4 4.3b,4.2L **¶610208499**
NEIC II 12 01 35 24.0–1.6 59.30N–.05 153.73W–.08 122–5 4.3b,4.2L
ANF II 12 01 35 24.2–.10 59.33N 153.66W 113–1 4.1L,4.2L
IDC II 12 01 35 25.4–.86 59.53N 153.82W 131–7 4.2,3.7b
ISC Event type se.
AEIC Event type se. Error ellipse: s-maj=6.3km s-min=5.7km az=205.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=7.2km s-min=5.7km az=179.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ANF Error ellipse: s-maj=1.7km s-min=1.2km az=133.0.
IDC Error ellipse: s-maj=19.1km s-min=8.4km az=19.0.
ISC II 14 23 54 57.0–1.6 61.25N–.03 146.80W–.02 4–14 165 0-8
AEIC II 14 23 54 59.5–1.4 61.26N–.02 146.81W–.03 9–7 3.5L,3.3L **¶610209188**
NEIC II 14 23 54 59.2–1.2 61.25N–.02 146.83W–.02 23–11 3.5L,3.3L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 16 04 07 35.4–.71 59.56N–.04 153.36W–.04 121–5 3.4b 175 0-149
IDC II 16 04 07 34.0–1.4 59.53N 153.48W 102–17 3.5,3.2b **¶610216937**
NEIC II 16 04 07 34.9–1.4 59.51N–.05 153.42W–.09 124–8 3.5,3.2b
AEIC II 16 04 07 36.9–1.9 59.52N–.06 153.38W–.09 112–6 3.7L,3.4L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC II 18 06 50 39.8–1.0 60.11N–.03 152.78W–.04 118–6 162 0-45
NEIC II 18 06 50 38.8–1.0 60.10N–.04 152.80W–.08 123–8 **¶610239490**
IDC II 18 06 50 39.3–2.7 60.10N 152.36W 74–29 3.5,2.7b
AEIC II 18 06 50 40.6–1.3 60.13N–.04 152.78W–.09 112–6 3.2L,3.1L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC II 19 22 17 28.9–.56 59.76N–.04 153.09W–.04 108–5 4.4b 269 0-83
IDC II 19 22 17 26.3–1.3 59.88N 153.38W 75–16 4.3,3.9b **¶610231652**
NEIC II 19 22 17 28.6–1.7 59.73N–.04 153.21W–.07 108–5 4.3,3.9b
NEIC II 19 22 17 29 59.79N 153.15W 120 4.3,3.9b
AEIC II 19 22 17 30.4–1.7 59.73N–.04 153.14W–.04 103–5 4.5b,4.1L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}0.34 $M_{\theta\theta}$-1.54 $M_{\phi\phi}$1.20 $M_{r\theta}$-0.07 $M_{\theta\phi}$-0.17 $M_{\phi r}$0.64 NP1:ϕ_s45.00000°,δ70.00000°,λ20.00000°. NP2: ϕ_s308.00000°,δ71.00000°,λ159.00000°. Principal axes: T 1.5507,Plg28.0000°,Azm266.0000° ; N 0.0006,Plg62.0000°,Azm88.0000°; P -1.5512,Plg1.0000°,Azm357.0000° $M_0$1.55000×10^{15}
AEIC Event type se. hypocenter. manual.
ISC II 21 21 30 21.0–.74 61.65N–.03 151.85W–.04 106–6 3.7b 214 0-68
IDC II 21 21 30 20.2–2.1 61.58N 152.02W 101–29 3.7,3.4b **¶610240041**
NEIC II 21 21 30 21.2–1.1 61.64N–.04 151.89W–.07 106–7 3.7,3.4b
AEIC II 21 21 30 22.7–1.1 61.66N–.04 151.84W–.06 97–7 3.6L,3.4L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC II 22 15 14 21.5–.95 61.31N–.03 146.93W–.02 28–10 167 1-21
AEIC II 22 15 14 22.8–1.7 61.35N–.02 146.92W–.04 14–3 3.4L,3.3L **¶610239617**
NEIC II 22 15 14 22.5–1.5 61.32N–.03 146.96W–.04 25–1 3.4L,3.3L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 23 10 43 18.2–.99 59.70N–.05 153.27W–.06 112–8 97 0-58
IDC II 23 10 43 17.3–2.0 59.69N 153.41W 95–32 3.5,3.3b **¶610239759**
NEIC II 23 10 43 17.9–1.4 59.66N–.06 153.4W–.10 116–4 3.5,3.3b
AEIC II 23 10 43 19.5–1.2 59.71N–.06 153.29W–.09 106–7 3.2L,2.8L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC II 24 09 26 07.8–1.3 59.69N–.05 152.98W–.06 106–8 187 0-17
NEIC II 24 09 26 07.8–1.1 59.71N–.05 152.99W–.07 104–7 **¶610240234**
AEIC II 24 09 26 09.3–1.2 59.71N–.05 152.98W–.08 97–6 3.7b,3.6L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
AEIC II 24 12 30 39–1.3 59.96N–.05 153.14W–.09 107–6 2.9L,2.5L
NEIC II 24 12 30 37.0–1.1 59.91N–.05 153.13W–.10 124–8 2.9L,2.5L **¶610240618**
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 25 02 29 04.5–1.1 61.45N–.04 152.23W–.04 134 70 0-54
IDC II 25 02 29 01.3–8.5 61.36N 152.40W 89–79 3.2,3.1b **¶610240979**
NEIC II 25 02 29 03.3–.80 61.43N–.04 152.26W–.08 143–7 3.2,3.1b
AEIC II 25 02 29 04.8–.94 61.42N–.05 152.26W–.04 134–6 3.1L,2.8L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC II 28 23 48 29.8–.84 61.54N–.01 141.02W–.01 13–5 3.9b 350 0-146
IDC II 28 23 48 29.0–.76 61.64N 141.12W 0 3.8,3.8b **¶610242081**
NEIC II 28 23 48 29.0–1.5 61.53N–.02 141.08W–.04 13–6 3.8,3.8b
AEIC II 28 23 48 28.5–1.9 61.54N–.03 141.06W–.04 18–4 4.1L,4.1L
PGC II 28 23 48 30.0–.01 61.55N 141.10W 4–0 4.1L,3.9L
ISC Event type ke.
IDC Error ellipse: s-maj=16.2km s-min=9.2km az=37.0.
NEIC Event type se. Error ellipse: s-maj=3.3km s-min=1.8km az=132.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=4.3km s-min=1.6km az=148.0. hypocenter. manual.
PGC Event type ke. 211km Wnw of Haines Jct., Yt Southern Alaska.
ISC III 02 02 11 30.3–.21 59.63N–.03 152.74W–.02 81–1 5.5b 1628 0-168
MOS III 02 02 11 26.6–.93 59.63N 152.85W 59 5.5b **¶610243173**
BJI III 02 02 11 26.1–.00 59.83N 153.32W 53 5.5b,5.4b
AEIC III 02 02 11 30.7–1.7 59.58N–.04 152.66W–.06 78–4 5.7L,5.6
NEIC III 02 02 11 30.1–1.7 59.59N–.04 152.65W–.04 82–1 5.7L,5.6
ANF III 02 02 11 30.5–.10 59.63N 152.66W 75–1 5.8L,5.6
NEIC III 02 02 11 30.7 59.59N 152.61W 77 5.8L,5.6
NEIC III 02 02 11 30.7 59.59N 152.61W 70 5.8L,5.6
NEIC III 02 02 11 30.7 59.59N 152.61W 70 5.8L,5.6
IDC III 02 02 11 30.1–.36 59.68N 152.86W 77–3 5.2,4.9b
NEIC III 02 02 11 31 59.61N 152.51W 57 5.2,4.9b
GCMT III 02 02 11 33.1–.10 59.65N–.01 152.59W–.01 92–0 5.6W,4.9b
BGR III 02 02 11 35.8 60.04N 152.35W 83–3 5.4b,4.9b
ISC Event type ke. Moment Tensor Solution. NP1:ϕ_s301.48001°,δ69.92918°,λ108.31539°. NP2: ϕ_s77.51373°,δ26.91402°,λ49.30188°. Principal axes: T Plg60.8307°,Azm238.6035° ; N Plg17.1673°,Azm114.9991°; P Plg22.8209°,Azm17.5299°
MOS Error ellipse: s-maj=8.3km s-min=3.8km az=92.6.
AEIC Event type se. Error ellipse: s-maj=5.1km s-min=4.4km az=163.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=6.0km s-min=3.7km az=170.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.55 $M_{\theta\theta}$-2.81 $M_{\phi\phi}$1.26 $M_{r\theta}$-0.49 $M_{\theta\phi}$-0.01 $M_{\phi r}$1.53 NP1:ϕ_s56.03000°,δ52.14000°,λ33.49000°. NP2:ϕ_s303.93000°,δ64.18000° ,λ137.01000°. Principal axes: T 2.9677,Plg48.0000°,Azm264.0000°; N -0.0965,Plg41.0000° ,Azm99.0000°; P -2.8713,Plg7.0000°,Azm3.0000° $M_0$2.92000×10^{17} Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.59 $M_{\theta\theta}$-2.61 $M_{\phi\phi}$1.03 $M_{r\theta}$0.04 $M_{\theta\phi}$-0.32 $M_{\phi r}$1.33 NP1:ϕ_s297.30000°,δ54.76000°,λ140.69000°. NP2:ϕ_s52.58000°,δ58.84000° ,λ42.40000°. Principal axes: T 2.6765,Plg51.0000°,Azm267.0000°; N -0.0278,Plg39.0000° ,Azm82.0000°; P -2.6487,Plg2.0000°,Azm174.0000° $M_0$2.66000×10^{17}
ANF Error ellipse: s-maj=1.6km s-min=1.1km az=149.0.
NEIC Event type se.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 3s1 Moment tensor: Scale 10^{17}Nm; M_{rr}1.19 $M_{\theta\theta}$-2.57 $M_{\phi\phi}$1.38 $M_{r\theta}$-0.58 $M_{\theta\phi}$-0.25 $M_{\phi r}$1.48 NP1:ϕ_s302.99000°,δ67.52000° ,λ140.38000°. NP2:ϕ_s50.55000°,δ53.90000°,λ28.24000°. Principal axes: T 2.8243,Plg43.0000°,Azm262.0000°; N -0.1682,Plg45.0000°,Azm98.0000° ; P -2.6561,Plg8.0000°,Azm360.0000° $M_0$2.74000×10^{17}
IDC Error ellipse: s-maj=7.0km s-min=5.7km az=79.0.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s147,c263; s145,c287;Duration: 1s5 Moment tensor: Scale 10^{17}Nm; M_{rr}1.22±.03 $M_{\theta\theta}$-3.09±.04; $M_{\phi\phi}$1.87±.04; $M_{r\theta}$-0.40±.03; $M_{\theta\phi}$-0.29±.03; $M_{\phi r}$1.56±.02; Best double couple: NP1:ϕ_s305.00000°,δ67.00000°,λ147.00000°. NP2:ϕ_s49.00000°,δ60.00000°,λ27.00000°. Principal axes: T 3.1750,Plg39.0000° ,Azm264.0000°; N -0.0440,Plg50.0000°,Azm94.0000°; P -3.1320,Plg5.0000°,Azm358.0000° $M_0$3.15300×10^{17}
BGR Event type ke.
ISC III 02 14 40 38.5–.68 59.59N–.04 152.62W–.03 86–6 3.7b 200 0-65
IDC III 02 14 40 36.9–1.6 59.60N 152.98W 62–18 3.9,3.5b **¶610243912**
NEIC III 02 14 40 37.8–.85 59.55N–.05 152.66W–.08 89–7 3.9,3.5b
AEIC III 02 14 40 39.3–.95 59.58N–.05 152.62W–.07 81–6 3.8b,3.8L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC III 03 00 41 29.2–1.1 61.21N–.02 146.14W–.02 25–8 3.8b,3.1s 312 0-147
ANF III 03 00 41 29.7–.16 61.22N 146.19W 23–1 4.5L,3.1s **¶610244561**
NEIC III 03 00 41 29.8 61.24N 146.16W 23 4.5L,3.1s
IDC III 03 00 41 30.7–2.2 61.32N 146.29W 40–21 3.8,3.7L
NEIC III 03 00 41 30.7–1.8 61.26N–.02 146.09W–.05 34–4 4.2L,4.2L
AEIC III 03 00 41 31.3–1.6 61.27N–.03 146.11W–.04 23–7 4.2L,4.2L
ISC Event type se.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-0.56 $M_{\theta\theta}$-0.44 $M_{\phi\phi}$1.00 $M_{r\theta}$0.66 $M_{\theta\phi}$0.30 $M_{\phi r}$0.40 NP1:ϕ_s336.52000°,δ41.79000°,λ-151.82000°. NP2:ϕ_s224.75000°,δ71.66000° ,λ-51.77000°. Principal axes: T 1.2316,Plg18.0000°,Azm287.0000°; N -0.0614,Plg36.0000° ,Azm31.0000°; P -1.1702,Plg49.0000°,Azm176.0000° $M_0$1.20000×10^{15}
AEIC Event type se. hypocenter. manual.
ISC III 04 13 05 04.0–.68 60.16N–.05 152.39W–.04 113–6 3.8b 230 0-64
IDC III 04 13 05 02.3–1.5 60.23N 152.58W 83–25 3.7,3.5b **¶610245300**
NEIC III 04 13 05 03.3–1.1 60.15N–.05 152.45W–.09 116–7 3.7,3.5b
AEIC III 04 13 05 05.2–1.2 60.18N–.04 152.43W–.08 102–6 3.6L,3.3L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC III 07 09 50 06.8–.56 59.78N–.03 152.92W–.03 114–5 4.1b 363 0-83
IDC III 07 09 50 05.6–1.0 59.80N 153.03W 100–12 4.1,3.6b **¶610247812**
NEIC III 07 09 50 07.0–1.5 59.78N–.04 153.02W–.06 112–6 4.1,3.6b
ANF III 07 09 50 07.2–.17 59.81N 152.96W 108–2 4.1L,3.6b
AEIC III 07 09 50 08.2–1.7 59.76N–.04 152.98W–.06 109–5 4.2L,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC III 17 07 47 31.4–.93 61.93N–.02 149.25W–.02 10–6 3.9b 280 0-152
IDC III 17 07 47 30.3–.67 62.06N 149.16W 0 3.8,3.8b **¶610331545**
ANF III 17 07 47 31.2–.13 61.93N 149.27W 0 4.2L,4.2L
AEIC III 17 07 47 31.2–1.9 61.94N–.03 149.24W–.03 3–4 3.9L,3.7L
NEIC III 17 07 47 31.8–1.9 61.94N–.01 149.25W–.03 8–3 3.9L,3.7L
NEIC III 17 07 47 31.8 61.90N 149.22W 4 3.9L,3.7L

ISC Event type se.
IDC Error ellipse: s-maj=12.3km s-min=10.4km az=111.0.
ANF Error ellipse: s-maj=1.5km s-min=1.4km az=19.0.
AEIC Event type se. Error ellipse: s-maj=4.9km s-min=1.8km az=192.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=2.3km s-min=1.9km az=113.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}2.06 $M_{\theta\theta}$1.56 $M_{\phi\phi}$-3.62 $M_{r\theta}$1.31 $M_{\theta\phi}$-1.18
$M_{\phi r}$0.37 NP1:ϕ_s44.98000°,δ63.21000°,λ137.13000°. NP2:ϕ_s157.68000°,δ52.60000°
,λ34.56000°. Principal axes: T 3.1768,Plg48.0000°,Azm6.0000°; N 0.7701,Plg41.0000°
,Azm199.0000°; P -3.9469,Plg6.0000°,Azm104.0000° $M_0$3.62000×10^{14}
NEIC Event type se.
ISC III 17 14 45 54.4–.75 60.59N–.02 143.05W–.02 10 213 0-9
AEIC III 17 14 45 52.6–3.0 60.56N–.03 143.09W–.04 3–6 3.4L,3.2L **¶610339925**
ANF III 17 14 45 54.6–.31 60.61N 143.00W 0 3.6L,3.6L
NEIC III 17 14 45 55.6–3.8 60.64N–.03 143.01W–.03 10–2 3.6L,3.6L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 18 16 19 09.6–.88 61.55N–.03 148.06W–.03 29–7 253 0-10
NEIC III 18 16 19 09.9–1.3 61.56N–.04 148.05W–.06 26–6 **¶610345909**
ANF III 18 16 19 09.5–.13 61.55N 148.07W 23–1 3.6L,3.6L
AEIC III 18 16 19 10.4–1.3 61.56N–.04 148.07W–.05 20–4 3.5L,3.3L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC III 25 15 59 27.2–.67 59.28N–.04 153.17W–.04 97–6 3.8b 218 0-149
IDC III 25 15 59 26.6–1.6 59.28N 153.32W 86–24 3.9s,3.8 **¶610435130**
NEIC III 25 15 59 27.4–1.1 59.29N–.04 153.25W–.07 95–7 3.9s,3.8
AEIC III 25 15 59 28.6–1.1 59.29N–.04 153.22W–.07 91–6 3.8L,3.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC III 27 08 23 19.1–.92 59.70N–.04 153.24W–.04 109–6
AEIC III 27 08 23 19.8–1.1 59.72N–.04 153.20W–.07 108–5 2.9L,2.6L **¶610435272**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC III 27 08 24 11.2–1.2 60.16N–.03 153.38W–.06 143–5
AEIC III 27 08 24 12.4–1.2 60.15N–.04 153.35W–.08 138–4 3.9b,3.3L **¶611149353**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC III 30 11 45 31.7–.71 60.13N–.04 153.29W–.04 151–5 3.7b 183 0-64
IDC III 30 11 45 29.3–1.1 60.16N 153.49W 120–13 3.8,3.4b **¶610453841**
NEIC III 30 11 45 30.8–.95 60.08N–.06 153.38W–.09 155–7 3.8,3.4b
AEIC III 30 11 45 32.0–1.2 60.10N–.06 153.32W–.08 151–4 3.7L,3.5L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC III 31 22 56 32.9–.84 61.59N–.04 149.96W–.04 53–7 3.7b 79 0-68
AEIC III 31 22 56 33.5–3.0 61.65N–.02 150.23W–.05 15–6 3.4L,3.2L **¶610468882**
IDC III 31 22 56 34.0–6.0 61.67N 150.14W 70–47 3.3,3.3b
NEIC III 31 22 56 34.2–1.9 61.60N–.03 149.96W–.06 44–7 3.3,3.3b
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 03 09 42 17.4–.66 59.82N–.05 152.90W–.05 124 3.3b 242 0-65
IDC IV 03 09 42 15.9–1.6 59.80N 153.36W 101–22 3.7,3.2b **¶610473044**
NEIC IV 03 09 42 16.4–1.3 59.76N–.05 152.92W–.08 120–4 3.7,3.2b
AEIC IV 03 09 42 18.6–1.3 59.81N–.05 152.90W–.09 105–7 3.8L,3.6L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC IV 05 17 26 16.0–.74 59.87N–.04 153.26W–.04 127–6 3.7b 192 0-64
IDC IV 05 17 26 14.0–1.6 59.90N 153.34W 103–25 3.8,3.5b **¶610502390**
NEIC IV 05 17 26 15.8–1.3 59.87N–.03 153.33W–.08 126–6 3.8,3.5b
AEIC IV 05 17 26 17.2–1.4 59.85N–.05 153.28W–.08 122–5 3.5L,3.2L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC IV 07 20 38 32.3–.54 59.94N–.03 152.65W–.03 95–5 4.2b 438 0-149
NEIC IV 07 20 38 31.6–1.8 59.89N–.04 152.73W–.06 96–4 4.2b **¶610521455**
IDC IV 07 20 38 31.0–1.2 59.96N 152.79W 78–13 4.2,3.9b
AEIC IV 07 20 38 33.8–1.4 59.95N–.03 152.67W–.06 88–4 4.6b,4.3L
NEIC IV 07 20 38 33.7 59.95N 152.67W 89 4.6b,4.3L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=6.1km s-min=4.0km az=190.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-0.45 $M_{\theta\theta}$-1.14 $M_{\phi\phi}$1.58 $M_{r\theta}$-0.33
$M_{\theta\phi}$0.64 $M_{\phi r}$1.24 NP1:ϕ_s153.98000°,δ83.74000°,λ-136.83000°. NP2:ϕ_s58.15000°,δ47.15000°
,λ-8.55000°. Principal axes: T 2.2332,Plg24.0000°,Azm278.0000°; N -0.5426,Plg46.0000°
,Azm161.0000°; P -1.6906,Plg34.0000°,Azm26.0000° $M_0$2.02000×10^{15}
IDC Error ellipse: s-maj=10.7km s-min=10.2km az=28.0.
AEIC Event type se. Error ellipse: s-maj=5.4km s-min=3.6km az=209.0. hypocenter. manual.
NEIC Event type se.
ISC IV 12 16 52 05.7–.88 61.92N–.03 151.33W–.04 88–6 3.4b 121 0-63
IDC IV 12 16 52 02.6–1.9 61.93N 151.58W 51–23 3.3s,3.3 **¶610527210**
NEIC IV 12 16 52 06.0–.99 61.94N–.03 151.30W–.07 83–6 3.3s,3.3
AEIC IV 12 16 52 07.0–1.1 61.93N–.03 151.32W–.07 80–5 3.1L,3.0L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC IV 16 23 39 35.5–.68 59.15N–.05 152.45W–.07 65–9
AEIC IV 16 23 39 36.3–.98 59.16N–.04 152.44W–.07 62–7 2.6L,2.3L **¶611149529**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC IV 17 14 48 23.8–1.3 61.60N–.04 146.67W–.05 29–4
AEIC IV 17 14 48 23.0–1.0 61.59N–.04 146.57W–.05 16–4 2.6L,2.6L **¶610529488**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC IV 18 11 59 32.2–.62 61.50N–.03 145.91W–.03 40–6 3.6b 351 0-85
IDC IV 18 11 59 32.5–1.2 61.54N 146.10W 45–12 3.9,3.7L **¶610529791**
ANF IV 18 11 59 32.6–.18 61.49N 145.90W 30–1 4.2L,4.2L
AEIC IV 18 11 59 33.5–1.2 61.51N–.03 145.86W–.07 30–5 4.0L,3.9
NEIC IV 18 11 59 33.2–1.2 61.49N–.04 145.87W–.05 39–5 4.0L,3.9
NEIC IV 18 11 59 33.5 61.51N 145.87W 29 4.0L,3.9
ISC Event type se.
IDC Error ellipse: s-maj=12.6km s-min=9.2km az=100.0.
ANF Error ellipse: s-maj=1.3km s-min=1.0km az=171.0.
AEIC Event type se. Error ellipse: s-maj=5.1km s-min=4.6km az=220.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=6.4km s-min=1.8km az=208.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-0.95 $M_{\theta\theta}$-0.09 $M_{\phi\phi}$1.03 $M_{r\theta}$-0.13
$M_{\theta\phi}$-0.15 $M_{\phi r}$0.19 NP1:ϕ_s165.97000°,δ51.19000°,λ-98.30000°. NP2:ϕ_s359.07000°
,δ39.55000°,λ-79.82000°. Principal axes: T 1.0739,Plg6.0000°,Azm262.0000°
; N -0.0947,Plg6.0000°,Azm171.0000°; P -0.9792,Plg81.0000°,Azm34.0000°
$M_0$1.03000×10^{15}
NEIC Event type se.
ISC IV 21 12 26 13.8–.70 59.83N–.04 153.81W–.04 157–6 293 0-57
IDC IV 21 12 26 11.2–1.8 59.94N 154.20W 113–27 3.7,3.5b **¶610546874**
NEIC IV 21 12 26 13.1–1.5 59.78N–.05 153.9W–.10 159–5 3.7,3.5b
ANF IV 21 12 26 13.9–.16 59.85N 153.83W 153–2 3.2L,3.5b
AEIC IV 21 12 26 14.5–1.3 59.82N–.06 153.83W–.08 156–5 4.0b,3.5L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC IV 23 03 35 19.8–1.1 59.62N–.04 152.84W–.04 104–7 204 0-15
NEIC IV 23 03 35 19.6–.94 59.62N–.04 152.91W–.07 104–5 **¶610547538**
AEIC IV 23 03 35 21.1–1.2 59.61N–.05 152.89W–.05 98–5 3.7L,3.4L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC IV 24 03 25 08.4–1.4 59.22N–.06 154.03W–.06 137–9 125 0-13
NEIC IV 24 03 25 09.1–1.4 59.21N–.05 153.98W–.07 134–5 **¶610547646**
AEIC IV 24 03 25 10.7–1.5 59.22N–.05 153.94W–.09 132–5 3.1L,2.6L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC IV 26 06 18 12.0–.72 59.26N–.04 153.41W–.04 95–6 4.1b 210 0-55
IDC IV 26 06 18 10.9–2.1 59.25N 153.70W 77–33 3.9,3.7b **¶610554513**
NEIC IV 26 06 18 12.0–.82 59.26N–.06 153.6W–.10 94–4 3.9,3.7b
AEIC IV 26 06 18 13.3–1.1 59.24N–.04 153.5W–.10 87–7 3.7L,3.5L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC IV 28 23 32 12.4–.74 60.17N–.04 146.22W–.03 16 3.7b 132 0-80
IDC IV 28 23 32 08.6–1.5 59.91N 146.42W 0 3.6b,3.4 **¶610588552**
NEIC IV 28 23 32 11.4–.87 60.16N–.03 146.18W–.08 5–11 3.6b,3.4
AEIC IV 28 23 32 13.6–1.3 60.18N–.06 146.24W–.09 16–7 3.4L,3.4L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC V 02 09 54 31.2–.63 61.29N–.04 151.25W–.04 91–5 3.8b 259 0-68
IDC V 02 09 54 29.7–2.0 61.35N 151.69W 78–17 3.7,3.4b **¶610591577**
NEIC V 02 09 54 31.2–1.1 61.29N–.03 151.25W–.05 92–5 3.7,3.4b
AEIC V 02 09 54 32.3–.89 61.28N–.03 151.21W–.06 82–5 3.7b,3.6L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC V 04 17 21 49.8–.55 61.46N–.03 152.14W–.03 114–4 4.0b 351 0-147
IDC V 04 17 21 47.3–1.2 61.45N 152.22W 91–12 4.0,3.6b **¶610594271**
MOS V 04 17 21 47.5–1.1 61.47N 152.40W 101 4.2b,3.6b
NEIC V 04 17 21 49.5–.94 61.47N–.03 152.14W–.05 114–2 4.2b,3.6b
AEIC V 04 17 21 50.7–1.1 61.46N–.03 152.14W–.07 108–3 4.9b,4.0L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC V 07 19 58 24.9–.87 61.48N–.02 151.29W–.02 17–8 225 0-7
NEIC V 07 19 58 25.1–1.4 61.460N–.01 151.24W–.05 15–7 **¶610617926**
AEIC V 07 19 58 25.0–1.5 61.49N–.02 151.30W–.04 16–3 3.7L,3.5L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
IDC V 08 21 58 04.6–363 61.94N 155.51W 0
¶610689852
IDC Error ellipse: s-maj=153.9km s-min=95.2km az=35.0.
ISC V 10 11 22 12.7–.96 61.44N–.03 151.35W–.03 91–5 297 0-31
IDC V 10 11 22 10.9–1.4 61.15N 150.14W 0 3.2,3.2b **¶610619357**
NEIC V 10 11 22 12.2–.84 61.44N–.03 151.37W–.06 90–1 3.2,3.2b
AEIC V 10 11 22 13.3–.79 61.44N–.03 151.36W–.06 87–4 3.5L,3.3L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC V 16 04 20 48.0–.56 60.00N–.04 153.86W–.04 182–5 4.0b 354 0-162
IDC V 16 04 20 46.9–.82 60.03N 153.79W 168–10 4.3s,4.1 **¶610641342**
NEIC V 16 04 20 47.9–1.8 60.01N–.05 153.89W–.10 183–5 4.3s,4.1
ANF V 16 04 20 48.4–.21 60.05N 153.92W 178–2 4.2L,4.1
AEIC V 16 04 20 48.6–2.1 59.99N–.05 153.86W–.09 185–3 4.4b,4.3L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC V 18 19 26 57.2–.90 59.72N–.05 153.19W–.04 114–6 209 0-58
IDC V 18 19 26 54.3–2.7 59.79N 153.90W 68–38 3.8,3.7L **¶610642319**
NEIC V 18 19 26 57.1–1.2 59.71N–.04 153.25W–.08 115–8 3.8,3.7L
AEIC V 18 19 26 58.8–1.2 59.77N–.05 153.20W–.08 100–7 3.3L,3.0L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC V 19 07 35 12.0–1.7 59.76N–.05 153.08W–.05 111–11 45 0-7
NEIC V 19 07 35 12.2–.93 59.78N–.06 153.05W–.10 109–9 **¶611150836**
AEIC V 19 07 35 13.3–1.1 59.80N–.05 153.09W–.09 102–6 2.7L,2.5L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC V 24 09 59 01.1–1.0 61.81N–.02 151.47W–.02 9–8 3.5b 200 0-63
NEIC V 24 09 59 00.8–.89 61.81N–.02 151.46W–.02 6–11 3.5b **¶610650945**
IDC V 24 09 59 00.4–1.2 61.88N 151.75W 0 3.6,3.5b
AEIC V 24 09 59 01.3–.95 61.797N–.01 151.47W–.03 10–6 3.8L,3.6L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC V 26 04 27 53.7–.93 60.22N–.02 146.20W–.02 12–6 3.9b 264 0-79
NEIC V 26 04 27 52.8–1.8 60.17N–.03 146.21W–.05 6–1 3.9b **¶610654557**
ANF V 26 04 27 53.8–.21 60.20N 146.27W 13–1 4.1L
AEIC V 26 04 27 54.8–1.8 60.22N–.05 146.21W–.07 10–2 4.0,3.8L
NEIC V 26 04 27 54.8 60.22N 146.21W 10 4.0,3.8L
IDC V 26 04 27 55.8–5.8 60.21N 146.22W 21–38 3.7,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=4.8km s-min=3.6km az=200.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}0.17 $M_{\theta\theta}$-0.20 $M_{\phi\phi}$0.04 $M_{r\theta}$-0.96
$M_{\theta\phi}$-0.05 $M_{\phi r}$0.43 NP1:ϕ_s54.47000°,δ7.64000°,λ31.16000°. NP2:ϕ_s293.53000°,δ86.06000°
,λ96.55000°. Principal axes: T 1.0917,Plg49.0000°,Azm211.0000°; N -0.0392,Plg7.0000°
,Azm113.0000°; P -1.0524,Plg41.0000°,Azm17.0000° $M_0$1.07000×10^{15}
ANF Error ellipse: s-maj=1.2km s-min=1.0km az=148.0.
AEIC Event type se. Error ellipse: s-maj=7.5km s-min=4.6km az=193.0. hypocenter. manual.
NEIC Event type se.
IDC Error ellipse: s-maj=19.7km s-min=16.5km az=179.0.
ISC V 27 09 01 02.5–.68 60.19N–.04 153.27W–.04 155–5 3.7b 312 0-64
IDC V 27 09 01 00.4–1.5 60.19N 153.74W 125–21 3.9,3.4b **¶610654898**
NEIC V 27 09 01 01.8–1.1 60.21N–.04 153.35W–.09 155–4 3.9,3.4b
AEIC V 27 09 01 02.7–1.0 60.20N–.05 153.26W–.09 155–4 4.0L,3.5L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

AEIC Event type se. hypocenter. manual.
ISC V 29 08 13 57.8–.37 61.84N–.03 147.99W–.03 32 4.4b,3.2s 470 0-146
IDC V 29 08 13 57.7–1.8 61.89N 148.35W 40–18 4.0,3.9L **¶610655469**
AEIC V 29 08 13 59.4–1.4 61.83N–.03 147.93W–.03 23–5 4.4b,4.3L
NEIC V 29 08 13 59.2–1.3 61.82N–.03 147.93W–.05 35–6 4.4b,4.3L
NEIC V 29 08 13 59.4 61.83N 147.93W 23 4.4b,4.3L
ISC Event type se.
IDC Error ellipse: s-maj=14.1km s-min=10.8km az=115.0.
AEIC Event type se. Error ellipse: s-maj=4.3km s-min=2.1km az=186.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=5.2km s-min=3.2km az=160.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-1.93 $M_{\theta\theta}$0.32 $M_{\phi\phi}$1.61 $M_{r\theta}$0.38 $M_{\theta\phi}$0.52 $M_{\phi r}$-0.09 NP1:ϕ_s209.74000°,δ46.63000°,λ-75.65000°. NP2:ϕ_s9.30000°,δ45.23000° ,λ-104.71000°. Principal axes: T 1.7911,Plg1.0000°,Azm290.0000°; N 0.2071,Plg10.0000° ,Azm20.0000°; P -1.9982,Plg80.0000°,Azm196.0000° $M_0$1.90000×10^{15}
NEIC Event type se.
IDC VI 01 19 13 09.8–318 61.73N 156.29W 0
¶610791065
IDC Error ellipse: s-maj=145.9km s-min=105.9km az=20.0.
ISC VI 06 01 11 24.9–.60 61.28N–.03 151.93W–.02 109–5 4.0b 317 0-147
IDC VI 06 01 11 22.2–1.7 61.32N 152.33W 78–19 4.0,3.6b **¶610664103**
NEIC VI 06 01 11 24.6–.84 61.26N–.04 151.94W–.06 106–5 4.0,3.6b
ANF VI 06 01 11 24.9–.10 61.27N 151.90W 99–2 3.9L,3.9L
AEIC VI 06 01 11 25.7–.99 61.26N–.04 151.98W–.07 104–3 4.0L,3.9
NEIC VI 06 01 11 25.7 61.26N 151.98W 104 4.0L,3.9
ISC Event type se.
IDC Error ellipse: s-maj=18.1km s-min=12.9km az=104.0.
NEIC Event type se. Error ellipse: s-maj=5.9km s-min=3.2km az=144.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}5.58 $M_{\theta\theta}$-7.84 $M_{\phi\phi}$2.27 $M_{r\theta}$-0.89 $M_{\theta\phi}$-3.23 $M_{\phi r}$5.40 NP1:ϕ_s285.50000°,δ53.85000°,λ140.66000°. NP2:ϕ_s41.30000°,δ59.22000° ,λ43.37000°. Principal axes: T 9.9696,Plg51.0000°,Azm256.0000°; N -1.1457,Plg39.0000° ,Azm70.0000°; P -8.8239,Plg3.0000°,Azm162.0000° $M_0$9.45000×10^{14}
ANF Error ellipse: s-maj=1.2km s-min=1.0km az=168.0.
AEIC Event type se. Error ellipse: s-maj=5.4km s-min=4.8km az=197.0. hypocenter. manual.
NEIC Event type se.
ISC VI 11 13 28 14.1–.89 60.00N–.04 152.82W–.04 116–7 221 0-62
NEIC VI 11 13 28 13.3–1.5 59.97N–.05 152.93W–.10 115–9 **¶610669638**
AEIC VI 11 13 28 14.7–1.2 60.04N–.05 152.88W–.09 106–7 3.4L,3.2L
IDC VI 11 13 28 15.4–8.7 60.12N 152.58W 115–76 3.8,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=7.5km s-min=6.7km az=155.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=7.0km s-min=6.6km az=163.0. hypocenter. manual.
IDC Error ellipse: s-maj=69.4km s-min=44.3km az=13.0.
IDC VI 13 23 44 07.7–312 61.66N 156.71W 0
¶610791811
IDC Error ellipse: s-maj=146.8km s-min=104.0km az=27.0.
ISC VI 15 00 17 33.9–.62 60.15N–.04 152.42W–.04 93–5 3.8b 259 0-148
IDC VI 15 00 17 32.3–1.6 60.12N 152.68W 78–17 4.0,3.7b **¶610674306**
NEIC VI 15 00 17 33.2–1.3 60.14N–.04 152.50W–.07 96–5 4.0,3.7b
AEIC VI 15 00 17 34.7–1.4 60.15N–.04 152.46W–.06 84–5 4.0b,3.8L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VI 16 06 43 53.3–1.8 61.39N–.03 146.63W–.03 37–1 4.0s 257 0-73
IDC VI 16 06 43 53.2–1.2 61.66N 148.31W 185–21 3.8s,3.5 **¶610675504**
NEIC VI 16 06 43 53.6–1.1 61.41N–.03 146.62W–.05 40–7 3.8s,3.5
AEIC VI 16 06 43 54.3–1.2 61.38N–.03 146.63W–.05 32–7 3.6L,3.6
NEIC VI 16 06 43 54.3 61.38N 146.63W 32 3.6L,3.6
ISC Event type se.
IDC Error ellipse: s-maj=23.8km s-min=13.4km az=127.0.
NEIC Event type se. Error ellipse: s-maj=4.5km s-min=3.3km az=211.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}-1.17 $M_{\theta\theta}$-0.34 $M_{\phi\phi}$1.52 $M_{r\theta}$-0.31 $M_{\theta\phi}$1.34 $M_{\phi r}$2.66 NP1:ϕ_s63.08000°,δ28.54000°,λ-26.52000°. NP2:ϕ_s176.74000°,δ77.68000° ,λ-115.95000°. Principal axes: T 3.4188,Plg28.0000°,Azm287.0000°; N -0.2620,Plg25.0000° ,Azm183.0000°; P -3.1567,Plg51.0000°,Azm58.0000° $M_0$3.30000×10^{14}
AEIC Event type se. Error ellipse: s-maj=4.1km s-min=3.4km az=175.0. hypocenter. manual.
NEIC Event type se.
ISC VI 22 15 21 37.5–.75 61.22N–.02 146.85W–.02 22–6 4.2b 349 0-85
MOS VI 22 15 21 35.8–1.2 61.17N 146.80W 33 4.4b **¶610693711**
NEIC VI 22 15 21 38.5–1.3 61.27N–.02 146.85W–.04 22–6 4.2b,4.1L
IDC VI 22 15 21 39.5–1.3 61.15N 146.94W 43–13 4.0s,3.9
AEIC VI 22 15 21 39.1–1.3 61.25N–.02 146.85W–.04 11–3 4.0s,3.9
NEIC VI 22 15 21 39.1 61.25N 146.85W 11 4.0s,3.9
ISC Event type se.
MOS Error ellipse: s-maj=26.9km s-min=10.9km az=95.3.
NEIC Event type se. Error ellipse: s-maj=2.8km s-min=2.8km az=141.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-1.02 $M_{\theta\theta}$0.74 $M_{\phi\phi}$0.28 $M_{r\theta}$0.05 $M_{\theta\phi}$1.01 $M_{\phi r}$-0.94 NP1:ϕ_s21.47000°,δ65.14000°,λ-126.25000°. NP2:ϕ_s261.64000°,δ42.97000° ,λ-38.08000°. Principal axes: T 1.6699,Plg13.0000°,Azm137.0000°; N -0.0297,Plg32.0000° ,Azm39.0000°; P -1.6402,Plg55.0000°,Azm245.0000° $M_0$1.66000×10^{15}
IDC Error ellipse: s-maj=14.0km s-min=9.8km az=112.0.
AEIC Event type se. Error ellipse: s-maj=3.2km s-min=2.3km az=100.0. hypocenter. manual.
NEIC Event type se.
ISC VI 29 08 43 37.8–.55 60.13N–.03 153.44W–.03 158–5 4.5b 715 0-140
IDC VI 29 08 43 35.2–1.0 60.18N 153.77W 130–10 4.3,3.9b **¶610699059**
NEIC VI 29 08 43 37.3–2.0 60.14N–.04 153.56W–.06 162–4 4.3,3.9b
AEIC VI 29 08 43 38.1–1.7 60.12N–.04 153.48W–.07 162–2 4.5L,4.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.

(3) Bering Sea.
ISC IV 17 02 15 16.5–.65 55.95N–.09 172.81W–.07 10 3.8b 58 2-84
IDC IV 17 02 15 14.4–1.8 55.83N 173.12W 0 3.6,3.6b **¶610652903**
NEIC IV 17 02 15 16.9–2.5 55.87N–.05 172.7W–.20 14–6 3.7b,3.7L
AEIC IV 17 02 15 19.9–2.7 55.85N–.06 172.5W–.20 14–7 3.7b,3.7L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
IDC VI 24 05 16 42.5–482 54.42N 172.23W 0
¶610789376
IDC Error ellipse: s-maj=305.6km s-min=169.4km az=0.0.

(4) Komandorsky Islands region.
ISC I 12 04 34 14.1–.50 54.49N–.07 168.44E–.05 24 4.3b,3.7s 217 2-100
KRSC I 12 04 34 10.3–2.0 54.45N 168.48E 47–24 4.8L,3.7s **¶610057047**
IDC I 12 04 34 11.6–.73 54.75N 168.36E 0 4.2,4.1b
MOS I 12 04 34 12.7–.90 54.44N 168.42E 34 4.4b,4.1b
NEIC I 12 04 34 15.2–1.1 54.4N–.10 168.4E–.10 35–5 4.3b,4.1b
ISC Event type se.
KRSC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
KRSC I 13 03 03 38.0–1.1 55.98N 164.13E 15–20 4.0L
¶610087840
KRSC Event type se.
KRSC I 13 03 43 06.6–2.2 53.75N 167.66E 19–35 3.8L
¶610087841
KRSC Event type se.
KRSC I 15 05 10 07.0–2.0 54.43N 167.84E 24–26 4.0L
¶610096763
KRSC Event type se.
KRSC I 20 06 14 37.5–.64 55.78N 165.74E 46–8 3.7L
¶610104766
KRSC Event type se.
ISC I 24 02 49 14.5–1.1 54.88N–.04 165.91E–.06 34–3 4.4b,4.0s 174 0-83
IDC I 24 02 49 10.2–.83 55.11N 165.83E 0 4.0,4.0b **¶610116949**
NEIC I 24 02 49 11.8–1.2 55.1N–.10 165.8E–.20 10–1 4.5b,4.0b
MOS I 24 02 49 12.7–.82 54.87N 166.03E 32 4.8b,4.0b
KRSC I 24 02 49 13.3–1.8 54.85N 165.56E 36–13 4.3L,4.0b
ISC Event type se.
IDC Error ellipse: s-maj=25.8km s-min=14.4km az=157.0.
NEIC Event type se. Error ellipse: s-maj=30.1km s-min=6.8km az=145.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=7.8km s-min=6.6km az=155.6.
KRSC Event type se.
ISC I 31 17 28 16.7–.67 54.43N–.07 168.56E–.06 24 3.6b,2.9s 67 2-83
KRSC I 31 17 28 14.0–1.4 54.39N 168.52E 56–32 4.1L,2.9s **¶610159953**
IDC I 31 17 28 14.5–.87 54.79N 168.55E 0 3.6,3.6b
MOS I 31 17 28 17.3–.85 54.44N 168.41E 54 3.7b,3.6b
ISC Event type se.
KRSC Event type se.
IDC Error ellipse: s-maj=27.9km s-min=16.3km az=158.0.
MOS Error ellipse: s-maj=10.9km s-min=8.7km az=0.7.
KRSC II 01 21 06 10.7–1.3 53.87N 168.68E 12–49 3.9L
¶610177518
KRSC Event type se.
ISC II 28 07 00 32.8–3.2 55.71N–.05 164.32E–.05 12–20 3.9b 112 1-83
KRSC II 28 07 00 31.5–1.8 55.68N 164.53E 50–23 4.6L **¶610241897**
IDC II 28 07 00 31.4–.74 55.93N 164.16E 0 3.8,3.8b
MOS II 28 07 00 35.2–.91 55.75N 164.26E 57 4.2b,3.8b
ISC Event type se.
KRSC Event type se.
IDC Error ellipse: s-maj=37.3km s-min=12.8km az=157.0.
MOS Error ellipse: s-maj=8.2km s-min=5.4km az=59.6.
ISC III 01 20 59 49.4–3.3 55.95N–.05 165.14E–.05 2–21 3.6b,3.5s 98 1-84
IDC III 01 20 59 49.9–.75 56.06N 164.98E 0 3.7,3.7L **¶610243229**
KRSC III 01 20 59 49.3–.91 55.92N 165.21E 54–15 4.2L,3.7L
MOS III 01 20 59 52.3–.89 55.90N 165.06E 47 3.8b,3.7L
ISC Event type se.
IDC Error ellipse: s-maj=25.4km s-min=13.5km az=156.0.
KRSC Event type se.
MOS Error ellipse: s-maj=8.7km s-min=6.0km az=46.3.
ISC III 02 19 57 17.5–1.2 54.75N–.07 166.23E–.09 35 3.5b 44 0-83
KRSC III 02 19 57 17.3–1.5 54.69N 165.74E 26–16 4.1L **¶610244525**
IDC III 02 19 57 20.7–4.0 54.85N 165.94E 59–37 3.4,3.1s
ISC Event type se.
KRSC Event type se.
IDC Error ellipse: s-maj=40.2km s-min=23.1km az=155.0.
ISC III 03 23 31 06.0–.43 54.70N–.04 168.06E–.03 28–2 4.9b,3.7s 913 1-157
IDC III 03 23 31 01.9–.42 54.84N 167.96E 0 4.6,4.6b **¶610245008**
KRSC III 03 23 31 02.7–1.9 54.68N 168.07E 70–39 4.9L,4.7
BJI III 03 23 31 04.8–.00 54.92N 168.03E 39 5.1b,4.7b
MOS III 03 23 31 05.2–.94 54.73N 167.97E 36 4.9b,4.7b
NEIC III 03 23 31 07.4–1.0 54.76N–.09 168.0E–.10 34–4 4.9b,4.7b
ISC Event type se.
KRSC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 04 16 47 25.7–1.2 56.07N–.04 164.85E–.04 37–2 3.8b,3.3s 125 1-83
KRSC III 04 16 47 24.0–1.3 56.05N 164.75E 61–19 4.3L,3.3s **¶610245291**
IDC III 04 16 47 23.3–1.1 56.13N 164.54E 0 3.9L,3.8
MOS III 04 16 47 25.7–.86 56.05N 164.80E 38 4.2b,3.8
NEIC III 04 16 47 25.9–1.7 55.9N–.20 165.3E–.20 36–14 4.3b,3.8
ISC Event type se.
KRSC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 04 17 59 55.9–.93 56.08N–.04 164.86E–.04 36–2 4.0b,3.4s 155 1-73
IDC III 04 17 59 52.1–.85 56.07N 164.69E 0 3.9L,3.7 **¶610245290**
KRSC III 04 17 59 53.1–1.3 56.06N 164.83E 54–19 4.3L,3.7
MOS III 04 17 59 55.4–.84 56.06N 164.79E 37 4.3b,3.7
NEIC III 04 17 59 56.5–1.7 56.07N–.08 164.68E–.06 31–5 4.3b,3.7
ISC Event type se.
KRSC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 05 15 19 16.4–1.6 55.21N–.04 164.72E–.05 12–12 3.4b 62 1-83
IDC III 05 15 19 14.9–.97 55.17N 164.90E 0 3.5b,3.4 **¶610245804**
KRSC III 05 15 19 15.4–1.6 55.12N 164.82E 52–24 4.1L,3.4
ISC Event type se.
IDC Error ellipse: s-maj=49.3km s-min=19.0km az=154.0.
KRSC Event type se.
KRSC III 10 12 40 23.2–1.4 55.46N 166.09E 39–13 3.7L
¶610323364
KRSC Event type se.
ISC III 14 17 47 50.1–3.1 55.13N–.04 164.70E–.05 20–20 4.2b 157 1-83
IDC III 14 17 47 47.4–.76 55.22N 164.68E 0 4.2L,3.8 **¶610329235**
KRSC III 14 17 47 48.6–1.7 55.08N 164.64E 49–23 4.3L,4.0
MOS III 14 17 47 50.6–.81 55.14N 164.70E 40 4.5b,4.0
NEIC III 14 17 47 51.7–1.6 55.2N–.10 164.6E–.20 29–7 4.3b,4.0
ISC Event type se.
KRSC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 17 16 55 22.1–.62 54.74N–.09 168.04E–.05 10 3.6b 36 1-83
IDC III 17 16 55 20.9–.70 54.83N 167.96E 0 3.7,3.6b **¶610345782**
KRSC III 17 16 55 22.7–.33 54.66N 167.82E 27–4 4.1L,3.6b
ISC Event type se.
IDC Error ellipse: s-maj=24.9km s-min=13.8km az=167.0.
KRSC Event type se.
ISC III 18 14 48 59.3–.73 54.85N–.08 167.06E–.06 19 3.5b 35 1-83
IDC III 18 14 48 56.6–.81 54.75N 167.33E 0 3.5,3.5b **¶610401411**
KRSC III 18 14 48 57.9–1.1 54.80N 166.85E 23–9 3.9L,3.5b
ISC Event type se.
IDC Error ellipse: s-maj=32.2km s-min=15.2km az=165.0.
KRSC Event type se.
KRSC III 22 17 59 13.1–1.4 56.15N 164.54E 53–20 3.5L
¶610424471
KRSC Event type se.
ISC III 28 02 11 58.7–1.7 55.04N–.04 164.42E–.06 25–15 3.5b 71 1-85
IDC III 28 02 11 56.0–1.6 55.22N 164.15E 0 3.4b,3.3 **¶610441399**
KRSC III 28 02 11 57.2–1.6 55.03N 164.30E 49–30 3.9L,3.3
ISC Event type se.
IDC Error ellipse: s-maj=65.4km s-min=22.0km az=158.0.
KRSC Event type se.
KRSC IV 12 01 19 48.9–1.7 54.93N 165.40E 41–14 3.8L
¶610527264
KRSC Event type se.
ISC IV 17 01 39 02.2–.56 55.10N–.04 165.14E–.03 28–4 4.3b,3.5s 472 0-85
IDC IV 17 01 38 58.6–.57 55.03N 165.20E 0 4.5L,4.0 **¶610529012**
KRSC IV 17 01 39 00.1–1.5 55.09N 165.00E 50–16 5.2L,4.5
MOS IV 17 01 39 01.5–.80 55.10N 165.15E 36 4.5b,4.5
NEIC IV 17 01 39 02.9–2.0 55.09N–.08 165.08E–.06 35–7 4.4b,4.5
ISC Event type se.
KRSC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 17 04 57 18.4–.83 54.67N–.05 166.07E–.07 10 3.5b 82 1-83

IDC IV 17 04 57 17.5–1.3 54.61N 166.41E 0 3.4,3.4b ¶610529781
KRSC IV 17 04 57 19.6–1.5 54.66N 165.74E 22–18 4.4L,3.4b
MOS IV 17 04 57 19.5–.72 54.69N 166.20E 30 4.0b,3.4b
ISC Event type se.
IDC Error ellipse: s-maj=78.0km s-min=24.5km az=147.0.
KRSC Event type se.
MOS Error ellipse: s-maj=9.9km s-min=7.3km az=177.8.
KRSC IV 26 11 23 09.6–1.7 55.32N 166.32E 40–11 3.6L ¶610566383
KRSC Event type se.
ISC IV 26 11 25 26.6–.49 55.41N–.05 166.42E–.05 20 4.1b,3.3s 166 0-84
KRSC IV 26 11 25 23.7–1.2 55.38N 166.50E 44–10 4.4,4.4L ¶610559259
IDC IV 26 11 25 23.9–.71 55.55N 166.34E 0 3.8,3.7b
NEIC IV 26 11 25 27.6–1.4 55.3N–.20 166.45E–.02 27–7 4.2b,3.7b
MOS IV 26 11 25 27.0–.95 55.41N 166.39E 45 4.2b,3.7b
ISC Event type se.
KRSC Event type se.
IDC Error ellipse: s-maj=25.8km s-min=13.1km az=157.0.
NEIC Event type se. Error ellipse: s-maj=24.8km s-min=1.4km az=181.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=7.1km s-min=5.5km az=143.3.
ISC IV 26 23 38 05.2–.42 55.65N–.04 165.83E–.04 20 4.1b,3.5s 154 0-85
NEIC IV 26 23 38 02.6–2.3 55.44N–.06 166.0E–.10 10–1 4.3b,3.5s ¶610560082
IDC IV 26 23 38 03.3–.77 55.73N 165.77E 0 3.7,3.7b
KRSC IV 26 23 38 03.3–1.1 55.63N 165.71E 48–15 5.1,4.5L
MOS IV 26 23 38 06.7–1.2 55.58N 165.59E 46 4.4b,4.5L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.6km s-min=5.2km az=130.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=20.1km s-min=14.0km az=166.0.
KRSC Event type se.
MOS Error ellipse: s-maj=8.8km s-min=6.1km az=46.4.
ISC IV 27 00 06 02.8–.99 55.67N–.06 165.55E–.07 10 3.4b 41 1-83
KRSC IV 27 00 06 01.1–1.1 55.63N 165.61E 37–15 3.9L ¶610575493
IDC IV 27 00 06 05.2–1.1 55.70N 165.61E 0 3.4,3.4b
ISC Event type se.
KRSC Event type se.
IDC Error ellipse: s-maj=52.8km s-min=19.8km az=153.0.
ISC IV 27 00 52 41.1–1.3 55.64N–.06 165.71E–.08 10 3.5b 38 0-67
KRSC IV 27 00 52 40.6–.88 55.63N 165.65E 50–13 3.9L ¶610575494
IDC IV 27 00 52 45.4–1.5 55.94N 164.67E 0 3.6b,3.5
ISC Event type se.
KRSC Event type se.
IDC Error ellipse: s-maj=58.5km s-min=19.9km az=163.0.
ISC IV 27 04 30 01.0–1.3 55.71N–.06 165.57E–.07 10 3.4b 35 1-67
KRSC IV 27 04 30 00.1–.96 55.66N 165.61E 35–14 3.6L ¶610575496
IDC IV 27 04 30 05.0–1.8 55.16N 165.94E 0 3.3,3.3b
ISC Event type se.
KRSC Event type se.
IDC Error ellipse: s-maj=106.8km s-min=25.1km az=154.0.
ISC V 10 11 15 03.8–.79 54.82N–.04 164.60E–.03 11–4 4.6b,3.6s 539 1-128
IDC V 10 11 15 02.6–.52 54.93N 164.54E 0 4.3,4.3b ¶610619358
KRSC V 10 11 15 03.3–1.2 54.80N 164.50E 49–24 4.7L,4.5
NEIC V 10 11 15 03.8–.88 54.90N–.10 164.5E–.10 10–1 4.7b,4.5
MOS V 10 11 15 06.0–.84 54.81N 164.48E 43 4.6b,4.5
ISC Event type se.
IDC Error ellipse: s-maj=14.8km s-min=9.8km az=168.0.
KRSC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.6km s-min=11.5km az=173.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=5.7km s-min=5.0km az=82.1.
KRSC V 14 22 42 15.7–1.6 54.85N 165.78E 21–11 3.7L ¶610638725
KRSC Event type se.
KRSC V 17 15 32 29.8–1.6 55.50N 166.08E 39–13 3.7L ¶610642232
KRSC Event type se.
ISC V 22 11 30 02.7–1.2 55.73N–.03 164.10E–.03 9–8 3.8b 145 1-113
IDC V 22 11 30 01.5–.75 55.90N 163.85E 0 3.7,3.7b ¶610650479
KRSC V 22 11 30 02.8–1.6 55.73N 164.13E 55–24 4.3L,3.7b
MOS V 22 11 30 04.7–.74 55.72N 164.12E 54 4.1b,3.7b
ISC Event type se.
IDC Error ellipse: s-maj=22.2km s-min=14.1km az=145.0.
KRSC Event type se.
MOS Error ellipse: s-maj=7.2km s-min=5.5km az=51.4.
ISC V 23 01 42 16.3–1.3 55.93N–.04 165.01E–.05 13–8 4.0b,3.4s 177 1-84
IDC V 23 01 42 15.9–.74 55.27N 166.18E 0 4.1L,3.8 ¶610646475
KRSC V 23 01 42 15.9–1.6 55.89N 164.97E 50–24 4.6,4.3L
MOS V 23 01 42 18.8–1.0 55.93N 164.87E 49 4.1b,4.3L
NEIC V 23 01 42 20.3–2.0 56.30N–.10 164.3E–.20 32–6 4.1b,4.3L
ISC Event type se.
KRSC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 24 00 49 15.9–1.5 55.46N–.06 166.33E–.07 15–8 3.6b 56 0-80
KRSC V 24 00 49 14.9–1.9 55.33N 166.24E 36–13 4.1L ¶610653811
IDC V 24 00 49 14.3–.93 55.72N 166.32E 0 3.7,3.7b
ISC Event type se.
KRSC Event type se.
IDC Error ellipse: s-maj=41.0km s-min=16.5km az=156.0.
ISC V 24 19 20 07.2–.59 54.74N–.07 167.97E–.05 23 3.7b 95 1-83
IDC V 24 19 20 03.9–.62 54.91N 167.96E 0 3.7,3.7b ¶610653317
MOS V 24 19 20 06.8–.74 54.72N 167.87E 29 3.9b,3.7b
KRSC V 24 19 20 06.3–.70 54.64N 167.59E 30–11 4.2L,3.7b
ISC Event type se.
IDC Error ellipse: s-maj=21.8km s-min=12.4km az=162.0.
MOS Error ellipse: s-maj=10.5km s-min=6.7km az=174.2.
KRSC Event type se.
KRSC V 30 06 35 05.7–2.1 54.87N 165.78E 23–10 3.6L ¶610656256
KRSC Event type se.
KRSC VI 08 02 03 39.3–1.2 54.61N 166.31E 50–21 3.5L ¶610668155
KRSC Event type se.
ISC VI 08 09 24 59.1–1.4 55.06N–.05 164.91E–.06 31–14 3.5b 62 1-67
IDC VI 08 09 24 55.9–1.6 55.25N 164.88E 0 3.7,3.5b ¶610668157
KRSC VI 08 09 24 56.4–1.5 55.07N 164.84E 55–22 4.0L,3.5b
ISC Event type se.
IDC Error ellipse: s-maj=67.3km s-min=21.7km az=160.0.
KRSC Event type se.
ISC VI 16 10 59 39.1–1.0 55.41N–.06 166.54E–.07 20 3.4b 55 0-84
IDC VI 16 10 59 36.4–1.2 55.57N 166.51E 0 3.4,3.3b ¶610680834
KRSC VI 16 10 59 37.7–1.6 55.31N 166.46E 38–9 4.1L,3.3b
ISC Event type se.
IDC Error ellipse: s-maj=56.3km s-min=21.1km az=155.0.
KRSC Event type se.
KRSC VI 17 04 30 01.2–1.8 53.88N 167.87E 24–67 3.7L ¶610681481
KRSC Event type se.
KRSC VI 21 21 58 40.9–1.2 55.68N 166.40E 38–11 3.9L ¶615297851
KRSC Event type se.
KRSC VI 25 18 05 11.7–.97 55.94N 164.22E 15–19 3.5L ¶610694814
KRSC Event type se.

(5) Near Islands.

ISC I 03 20 31 42.9–1.1 51.8N–.10 170.82E–.05 35 4.0b 76 2-65
IDC I 03 20 31 37.9–2.9 51.69N 171.06E 0 3.5,3.4b ¶609975327
NEIC I 03 20 31 42.2–1.3 51.7N–.30 171.24E–.09 18–9 4.1b,3.4b
KRSC I 03 20 31 44.7–1.6 51.90N 170.10E 27–77 4.0L,3.4b
ISC Event type se.
IDC Error ellipse: s-maj=85.2km s-min=19.9km az=172.0.
NEIC Event type se. Error ellipse: s-maj=38.8km s-min=4.8km az=170.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
KRSC Event type se.
ISC I 07 20 31 57.9–2.4 52.3N–.50 171.57E–.07 35 3.8b 21 2-55
IDC I 07 20 31 54.7–4.2 52.43N 171.74E 0 3.4,3.3b ¶610236921
NEIC I 07 20 31 54.5–1.6 52.2N–.20 171.7E–.10 10–2 4.0b,3.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 09 06 15 16.6–1.2 52.3N–.20 171.80E–.07 28 4.1b 67 1-90
IDC I 09 06 15 13.1–2.7 52.52N 171.75E 0 3.8s,3.7 ¶610236997
NEIC I 09 06 15 20.3–2.2 52.5N–.20 172.7E–.10 10–2 4.1b,3.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 10 12 23 29.6–.67 52.5N–.10 171.58E–.05 35 4.1b 91 2-83
IDC I 10 12 23 25.1–.98 52.48N 171.71E 0 3.8,3.8b ¶610237080
NEIC I 10 12 23 25.5–2.6 52.3N–.20 171.6E–.10 10–1 4.2b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 23 10 28 13.4–.42 52.68N–.07 172.11E–.04 28 4.4b,2.9s 201 1-146
IDC I 23 10 28 09.7–.47 52.84N 172.23E 0 4.2,4.1b ¶610105774
KRSC I 23 10 28 10.8–1.7 52.58N 171.99E 61–41 4.7L,4.1b
MOS I 23 10 28 12.4–1.0 52.71N 172.13E 34 4.5b,4.1b
NEIC I 23 10 28 14.4–2.0 52.6N–.10 172.3E–.10 36–8 4.4b,4.1b
ISC Event type se.
KRSC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
KRSC I 27 06 18 52.0–.87 52.75N 170.90E 68–33 3.7L ¶610145134
KRSC Event type se.
IDC II 02 04 46 34.1–2.9 52.99N 172.58E 0 3.2,3.2b ¶610414648
IDC Error ellipse: s-maj=95.2km s-min=35.0km az=1.0.
ISC II 02 18 33 47.3–.79 52.5N–.10 172.60E–.05 24 4.1b 81 1-83
KRSC II 02 18 33 45.1–1.4 52.16N 172.60E 49–33 4.5L ¶610186339
MOS II 02 18 33 48.1–.63 52.54N 172.59E 47 4.4b
IDC II 02 18 33 49.4–2.3 52.65N 172.62E 38–21 3.9,3.7b
NEIC II 02 18 33 49.4–1.2 52.6N–.10 172.6E–.10 36–10 4.2b,3.7b
ISC Event type se.
KRSC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 27 23 39 48.2–.72 53.5N–.20 171.48E–.07 35 3.5b 12 2-83
IDC II 27 23 39 43.6–.83 53.64N 171.50E 0 3.5,3.5b ¶610385160
ISC Event type ke.
IDC Error ellipse: s-maj=30.9km s-min=17.3km az=178.0.
ISC III 16 03 41 02.4–.45 52.74N–.07 172.84E–.04 50 4.4b,3.1s 245 1-88
MOS III 16 03 41 02.4–.82 52.75N 172.92E 66 4.6b,3.1s ¶610330750
KRSC III 16 03 41 02.0–1.6 52.71N 172.56E 48–31 4.7L,3.1s
IDC III 16 03 41 03.9–.52 52.84N 173.02E 61–5 4.2,3.9b
NEIC III 16 03 41 04.7–1.0 52.8N–.10 173.0E–.10 65–7 4.4b,4.1L
AEIC III 16 03 41 04.7–1.8 52.5N–.10 172.82E–.09 37–6 4.4b,4.1L
ISC Event type se.
KRSC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC III 16 15 39 18.3–3.1 52.2N–.50 173.1E–.20 35 2.9b 7 1-55
IDC III 16 15 39 14.6–2.7 52.41N 173.00E 0 3.3,3.3b ¶610546321
ISC Event type ke.
IDC Error ellipse: s-maj=71.4km s-min=17.8km az=171.0.
IDC III 17 19 27 18.9–1.8 52.85N 173.66E 0 3.5,3.4b ¶610546407
IDC Error ellipse: s-maj=33.0km s-min=15.1km az=41.0.
ISC III 27 10 50 20.9–.33 52.66N–.03 172.20E–.02 25–1 6.1s,5.9b 2907 1-162
IDC III 27 10 50 16.6–.34 52.72N 172.27E 0 5.9s,5.6 ¶611832141
AEIC III 27 10 50 18.9–3.2 52.52N–.09 172.16E–.08 20–3 5.9s,5.6
KRSC III 27 10 50 18.0–2.1 52.44N 171.99E 60–46 6.3L,5.6
BJI III 27 10 50 18.3–.00 52.72N 172.11E 10 6.4s,6.2
NEIC III 27 10 50 19.2 52.77N 172.22E 10 6.4s,6.2
NEIC III 27 10 50 19.3 52.79N 172.20E 10 6.4s,6.2
NEIC III 27 10 50 19 52.80N 172.20E 12 6.4s,6.2
MOS III 27 10 50 20.7–1.1 52.68N 172.13E 40 6.1s,6.0b
NEIC III 27 10 50 20.2–2.1 52.76N–.08 172.26E–.08 20–1 6.2,6.1
NEIC III 27 10 50 24 52.70N 172.03E 26 6.2,6.1
GCMT III 27 10 50 24.2–.10 52.71N 172.24E 29–0 6.2W,6.1
NEIC III 27 10 50 33.2 52.57N 172.18E 29 6.2W,6.1
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s77.30060°,δ59.72219°,λ45.99105°. NP2: ϕ_s319.73856°,δ51.60191°,λ139.95882°. Principal axes: T Plg52.7231°,Azm293.0938° ; N Plg36.8697°,Azm103.2688°; P Plg4.7427°,Azm196.8362° Moment Tensor Solution. NP1: ϕ_s233.80562°,δ12.37865°,λ105.24061°. NP2:ϕ_s38.21971°,δ78.06323°,λ86.69805°. Principal axes: T Plg56.8163°,Azm303.9522°; N Plg3.2305°,Azm38.9034°; P Plg32.9847° ,Azm131.0027°
IDC Error ellipse: s-maj=12.2km s-min=7.5km az=168.0.
AEIC Event type se. Error ellipse: s-maj=13.0km s-min=7.0km az=174.0. hypocenter. manual.
KRSC Event type se.
NEIC Event type se.
NEIC Event type se.
NEIC Event type se.
MOS Error ellipse: s-maj=5.8km s-min=3.7km az=128.9.
NEIC Event type se. Error ellipse: s-maj=13.9km s-min=7.9km az=184.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment tensor: Scale 10^{18}Nm; M_{rr}0.89 $M_{\theta\theta}$-1.29 $M_{\phi\phi}$0.40 $M_{r\theta}$1.00 $M_{\theta\phi}$-0.08 $M_{\phi r}$0.67 NP1:ϕ_s295.76000°,δ29.56000°,λ139.10000°. NP2:ϕ_s62.76000°,δ71.16000° ,λ66.80000°. Principal axes: T 1.5828,Plg58.0000°,Azm302.0000°; N 0.1493,Plg22.0000° ,Azm71.0000°; P -1.7321,Plg23.0000°,Azm170.0000° $M_0$1.66000×10^{18}
NEIC Event type se. Moment Tensor Solution.Duration: 10s0 Moment tensor: Scale 10^{18}Nm; M_{rr}1.05 $M_{\theta\theta}$-1.19 $M_{\phi\phi}$0.14 $M_{r\theta}$1.83 $M_{\theta\phi}$0.13 $M_{\phi r}$0.80 NP1:ϕ_s297.00000°,δ19.00000° ,λ134.00000°. NP2:ϕ_s71.00000°,δ76.00000°,λ77.00000°. Principal axes: T 2.3351,Plg56.0000°,Azm324.0000°; N -0.0871,Plg13.0000°,Azm74.0000° ; P -2.2480,Plg30.0000°,Azm172.0000° $M_0$2.29000×10^{18}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s168,c409; s170,c605; Duration: 3s2 Moment tensor: Scale 10^{18}Nm; M_{rr}1.17±.01 $M_{\theta\theta}$-1.73±.01; $M_{\phi\phi}$0.56±.01; $M_{r\theta}$1.92±.03; $M_{\theta\phi}$0.00±.01; $M_{\phi r}$1.27±.02; Best double couple: NP1:ϕ_s62.00000°,δ76.00000° ,λ69.00000°. NP2:ϕ_s300.00000°,δ25.00000°,λ146.00000°. Principal axes: T 2.7380,Plg54.0000°,Azm306.0000°; N 0.0510,Plg20.0000°,Azm67.0000° ; P -2.7890,Plg28.0000°,Azm168.0000° $M_0$2.76300×10^{18}
NEIC Event type se. Moment Tensor Solution.Duration: 6s4 Moment tensor: Scale 10^{18}Nm; M_{rr}1.13 $M_{\theta\theta}$-1.63 $M_{\phi\phi}$0.51 $M_{r\theta}$0.94 $M_{\theta\phi}$0.04 $M_{\phi r}$0.76 NP1:ϕ_s299.77000°,δ35.52000° ,λ139.85000°. NP2:ϕ_s64.24000°,δ68.00000°,λ61.38000°. Principal axes: T 1.8322,Plg57.0000°,Azm296.0000°; N 0.1062,Plg26.0000°,Azm76.0000° ; P -1.9385,Plg18.0000°,Azm175.0000° $M_0$1.89000×10^{18}
IDC III 27 11 02 59.3–3.5 52.61N 172.33E 0 3.4,3.4b ¶610543790
IDC Error ellipse: s-maj=77.0km s-min=34.7km az=10.0.
ISC III 28 14 16 09.4–2.4 52.5N–.50 172.2E–.10 28 3.4b 7 1-64
IDC III 28 14 16 04.2–2.8 52.29N 172.09E 0 3.4,3.4b ¶610543853
ISC Event type ke.
IDC Error ellipse: s-maj=82.4km s-min=28.1km az=178.0.
ISC IV 02 01 31 15.4–.75 52.09N–.10 173.94E–.07 28 4.0b 48 1-83

IDC IV 02 01 31 10.4–.91 51.99N 174.32E 0 3.9,3.8b ¶610617697
NEIC IV 02 01 31 18.9–1.3 52.30N–.08 173.8E–.20 42–11 4.1b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 02 01 37 54.5–.59 52.01N–.07 174.02E–.05 28 4.2b 137 1-82
IDC IV 02 01 37 50.2–.76 52.05N 174.22E 0 4.5L,4.0 ¶610470166
MOS IV 02 01 37 52.9–.91 51.90N 174.08E 34 4.6b,4.0
AEIC IV 02 01 37 54.4–2.0 52.07N–.04 174.3E–.10 12–5 4.6b,4.0
KRSC IV 02 01 37 54.7–1.4 52.11N 173.59E 26–27 4.1L,4.0
NEIC IV 02 01 37 56.4–1.9 52.12N–.06 174.1E–.10 37–9 4.2b,3.4L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
KRSC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 15 17 58 38.0–1.0 53.0N–.20 172.72E–.07 35 3.5b 16 1-63
IDC IV 15 17 58 32.8–1.7 52.90N 172.75E 0 3.5,3.5b ¶610528734
KRSC IV 15 17 58 34.5–.93 53.21N 172.97E 65–20 4.0L,3.5b
ISC Event type se.
IDC Error ellipse: s-maj=47.3km s-min=17.0km az=15.0.
KRSC Event type se.
ISC V 04 07 35 32.9–2.5 52.5N–.50 173.3E–.10 10 3.9b 6 1-63
IDC V 04 07 35 31.4–2.3 52.52N 173.21E 0 3.7,3.7b ¶610689532
ISC Event type ke.
IDC Error ellipse: s-maj=69.0km s-min=17.4km az=171.0.
ISC V 27 03 37 42.3–.88 52.4N–.10 172.36E–.05 24 4.0b,3.2s 76 1-82
NEIC V 27 03 37 39.7–1.1 52.0N–.10 172.40E–.10 29–6 4.0b,3.2s ¶610654885
IDC V 27 03 37 40.7–1.3 52.78N 172.43E 0 4.1,4.1b
KRSC V 27 03 37 41.5–1.7 52.36N 172.25E 60–32 4.4L,4.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.2km s-min=8.5km az=169.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=36.7km s-min=11.4km az=6.0.
KRSC Event type se.
ISC VI 02 03 29 42.8–1.3 52.2N–.20 170.27E–.06 35 3.4b 22 2-65
KRSC VI 02 03 29 38.5–.82 52.18N 170.31E 53–25 3.6L ¶610661101
IDC VI 02 03 29 40.0–2.9 52.41N 170.38E 0 3.5s,3.5
ISC Event type se.
KRSC Event type se.
IDC Error ellipse: s-maj=83.6km s-min=30.0km az=178.0.
ISC VI 02 21 11 39.8–.67 52.8N–.10 172.35E–.05 28 3.7b,2.9s 77 1-146
IDC VI 02 21 11 36.1–.86 52.69N 172.61E 0 3.7,3.6b ¶610661103
KRSC VI 02 21 11 36.4–1.5 52.66N 172.37E 62–37 4.1L,3.6b
MOS VI 02 21 11 38.7–.84 52.80N 172.37E 38 3.7b,3.6b
AEIC VI 02 21 11 39.1–1.1 52.8N–.60 172.7E–.10 10–7 3.7b,3.6b
NEIC VI 02 21 11 39.5–.92 53.0N–.70 172.6E–.30 10–1 3.5L,3.6b
ISC Event type se.
KRSC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 02 22 24 48.6–.23 53.98N–.02 170.83E–.02 15–1 6.9s,6.3b 3937 2-163
BJI VI 02 22 24 44.8–.00 54.05N 170.87E 10 7.1s,7.0 ¶616652111
IDC VI 02 22 24 46.0–.33 53.99N 170.85E 0 6.7s,5.8
KRSC VI 02 22 24 46.7–2.3 53.99N 170.55E 32–31 7.4,6.6L
BGR VI 02 22 24 46.8 53.86N 171.34E 14–1 6.7s,6.6
AEIC VI 02 22 24 47.7–3.2 53.69N–.07 170.98E–.07 25–2 6.7s,6.6
NEIC VI 02 22 24 47.4–1.8 54.03N–.07 170.92E–.09 5–1 6.9,6.8
NEIC VI 02 22 24 48.2 54.08N 170.94E 20 6.9,6.8
NEIC VI 02 22 24 48.2 54.08N 170.59E 20 6.9,6.8
NEIC VI 02 22 24 48.2 54.08N 170.94E 10 6.9,6.8
MOS VI 02 22 24 49.9–.95 54.03N 170.65E 43 6.8s,6.6b
GCMT VI 02 22 24 53.4–.00 54.14N 170.83E 13–0 6.7W,6.6b
ISC Event type ke.
IDC Error ellipse: s-maj=10.5km s-min=7.8km az=177.0.
KRSC Event type se.
BGR Event type ke.
AEIC Event type se. Error ellipse: s-maj=9.8km s-min=6.1km az=182.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=8.7km az=20.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{19}Nm; M_{rr}0.04 $M_{\theta\theta}$-1.02 $M_{\phi\phi}$0.99 $M_{r\theta}$0.03 $M_{\theta\phi}$-0.24 $M_{\phi r}$-0.07 NP1:ϕ_s128.22000°,δ87.78000°,λ176.22000°. NP2:ϕ_s218.36000°,δ86.22000° ,λ2.22000°. Principal axes: T 1.0218,Plg4.0000°,Azm83.0000°; N 0.0315,Plg86.0000° ,Azm278.0000°; P -1.0533,Plg1.0000°,Azm173.0000° $M_0$1.04000×10^{19}
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 13s0 Moment tensor: Scale 10^{19}Nm; M_{rr}-0.00 $M_{\theta\theta}$-1.66 $M_{\phi\phi}$1.66 $M_{r\theta}$0.09 $M_{\theta\phi}$-0.31 $M_{\phi r}$0.41 NP1:ϕ_s40.24000°,δ84.24000° ,λ12.20000°. NP2:ϕ_s309.00000°,δ77.86000°,λ174.11000°. Principal axes: T 1.7813,Plg13.0000°,Azm265.0000°; N -0.0850,Plg77.0000°,Azm65.0000° ; P -1.6963,Plg4.0000°,Azm174.0000° $M_0$1.74000×10^{19}
NEIC Event type se.
MOS Error ellipse: s-maj=5.3km s-min=4.1km az=32.5.
GCMT nsta1 refers to body waves, cutoff=50s. nsta2 refers to surface/mantle waves, cutoff=125s. Triangular moment-rate function. Moment Tensor Solution. s168,c433; s168,c818; Duration: 5s7 Moment tensor: Scale 10^{19}Nm; M_{rr}0.13±.01 $M_{\theta\theta}$-1.66±.01; $M_{\phi\phi}$1.54±.01; $M_{r\theta}$-0.13±.01; $M_{\theta\phi}$-0.32±.01; $M_{\phi r}$0.03±.01; Best double couple: NP1:ϕ_s129.00000°,δ89.00000° ,λ-176.00000°. NP2:ϕ_s39.00000°,δ86.00000°,λ-1.00000°. Principal axes: T 1.5730,Plg2.0000°,Azm264.0000°; N 0.1330,Plg86.0000°,Azm150.0000° ; P -1.7000,Plg4.0000°,Azm354.0000° $M_0$1.63600×10^{19}
ISC VI 02 22 32 39.0–.61 53.88N–.06 170.82E–.04 24–3 5.0b 489 2-151
IDC VI 02 22 32 35.4–.48 54.02N 170.89E 0 4.6,4.6b ¶610660610
AEIC VI 02 22 32 36.0–6.4 53.1N–.10 170.77E–.08 10–3 4.6,4.6b
KRSC VI 02 22 32 36.9–1.4 53.71N 170.56E 40–46 5.3L,4.6b
NEIC VI 02 22 32 37.3–2.2 53.88N–.09 171.01E–.09 10–1 5.0b,4.7L
MOS VI 02 22 32 38.7–.98 53.95N 170.78E 35 5.2b,4.7L
ISC Event type se.
IDC Error ellipse: s-maj=14.3km s-min=10.7km az=174.0.
AEIC Event type se. hypocenter. manual.
KRSC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.6km s-min=9.0km az=190.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=7.5km s-min=6.2km az=39.9.
ISC VI 02 22 41 04.2–.50 53.83N–.08 170.79E–.04 24 4.0b 188 2-146
NEIC VI 02 22 41 01.8–2.0 53.90N–.08 170.86E–.10 3–5 4.0b ¶610661104
IDC VI 02 22 41 01.6–.61 54.06N 170.84E 0 4.0,4.0b
KRSC VI 02 22 41 02.8–1.5 53.72N 170.54E 42–47 4.6L,4.0b
MOS VI 02 22 41 04.7–1.2 53.92N 170.74E 39 4.0b,4.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.8km s-min=3.7km az=214.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=18.5km s-min=12.1km az=7.0.
KRSC Event type se.
MOS Error ellipse: s-maj=10.2km s-min=7.3km az=8.9.
KRSC VI 02 22 59 15.0–.48 53.95N 170.65E 40–30 3.7L
¶610661105
KRSC Event type se.
ISC VI 02 23 01 53.8–.44 53.87N–.07 170.51E–.04 35 4.2b 167 2-87
AEIC VI 02 23 01 48.9–4.6 54.0N–.10 170.21E–.09 10–5 4.2b ¶610660621
IDC VI 02 23 01 49.2–.64 54.02N 170.61E 0 3.8,3.8b
NEIC VI 02 23 01 50.5–1.7 53.9N–.10 170.51E–.08 10–1 4.3b,4.2L
MOS VI 02 23 01 52.8–.89 53.99N 170.45E 38 4.6b,4.2L
KRSC VI 02 23 01 52.3–1.4 53.79N 170.20E 40–42 4.5L,4.2L
ISC Event type se.
AEIC Event type se. Error ellipse: s-maj=18.0km s-min=7.4km az=190.0. hypocenter. manual.
IDC Error ellipse: s-maj=18.2km s-min=11.6km az=180.0.
NEIC Event type se. Error ellipse: s-maj=18.9km s-min=8.4km az=183.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=10.8km s-min=6.7km az=11.3.
KRSC Event type se.
ISC VI 02 23 05 28.3–.50 53.85N–.09 170.72E–.04 35 4.0b 109 2-144
IDC VI 02 23 05 23.9–.64 54.01N 170.84E 0 3.9,3.8b ¶610661106
KRSC VI 02 23 05 24.9–1.3 53.81N 170.64E 41–41 4.1L,3.8b
NEIC VI 02 23 05 24.4–1.5 54.0N–.10 170.81E–.09 10–2 4.2b,3.8L
AEIC VI 02 23 05 26.9–2.4 54.2N–.10 171.1E–.20 10–5 4.2b,3.8L
MOS VI 02 23 05 27.2–.90 53.89N 170.72E 45 4.5b,3.8L
ISC Event type se.
IDC Error ellipse: s-maj=20.6km s-min=13.4km az=1.0.
KRSC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.3km s-min=8.2km az=169.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=26.6km s-min=6.1km az=220.0. hypocenter. manual.
MOS Error ellipse: s-maj=13.1km s-min=7.4km az=9.2.
ISC VI 02 23 39 26.9–.53 53.67N–.08 170.56E–.04 24 3.9b 203 2-76
NEIC VI 02 23 39 23.4–1.7 53.61N–.10 170.3E–.20 10–1 4.0b,3.9L ¶610661107
IDC VI 02 23 39 24.1–1.1 53.84N 170.73E 0 3.8,3.8b
AEIC VI 02 23 39 25.3–1.9 53.7N–.10 170.5E–.20 10–8 3.8,3.8b
MOS VI 02 23 39 26.5–.84 53.78N 170.60E 31 4.2b,3.8b
KRSC VI 02 23 39 28.5–2.0 53.55N 170.01E 31–49 4.2L,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.3km s-min=9.7km az=221.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=32.1km s-min=13.2km az=10.0.
AEIC Event type se. Error ellipse: s-maj=22.3km s-min=13.4km az=222.0. hypocenter. manual.
MOS Error ellipse: s-maj=13.5km s-min=8.7km az=178.1.
KRSC Event type se.
ISC VI 02 23 45 14.6–.59 53.66N–.09 170.62E–.05 35 3.9b 65 2-76
IDC VI 02 23 45 10.6–1.1 53.92N 170.76E 0 3.7,3.7b ¶610764460
NEIC VI 02 23 45 14.0–1.4 53.6N–.10 170.90E–.08 10–2 3.9b,3.8L
KRSC VI 02 23 45 14.4–1.6 53.61N 169.82E 9–52 4.1L,3.8L
AEIC VI 02 23 45 15.6–2.1 53.5N–.20 170.9E–.30 10–9 4.1L,3.8L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
KRSC Event type se.
AEIC Event type se. hypocenter. manual.
KRSC VI 03 00 31 46.9–.69 53.77N 170.57E 40–36 3.6L
¶610661292
KRSC Event type se.
KRSC VI 03 00 47 02.4–.63 53.64N 170.33E 41–22 3.9L
¶610661293
KRSC Event type se.
KRSC VI 03 00 58 41.3–.49 53.88N 170.74E 39–27 3.8L
¶610661294
KRSC Event type se.
ISC VI 03 01 28 34.4–.64 53.8N–.10 170.76E–.05 24 4.0b 98 2-86
AEIC VI 03 01 28 27.8–9.3 52.9N–.50 170.3E–.50 10–2 4.0b ¶616639990
IDC VI 03 01 28 31.2–.69 53.96N 170.97E 0 3.8,3.8b
KRSC VI 03 01 28 31.7–1.3 53.73N 170.59E 41–46 4.4L,3.8b
NEIC VI 03 01 28 32.4–1.4 53.79N–.07 170.98E–.09 10–1 4.2L,4.2b
MOS VI 03 01 28 33.3–.94 53.71N 170.73E 43 4.3b,4.2b
ISC Event type se.
AEIC Event type se. Error ellipse: s-maj=94.4km s-min=22.1km az=151.0. hypocenter. manual.
IDC Error ellipse: s-maj=20.7km s-min=12.9km az=3.0.
KRSC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=6.1km az=142.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=10.4km s-min=7.1km az=17.9.
ISC VI 03 01 59 36.5–.88 53.9N–.10 170.70E–.07 35 3.3b 17 2-64
IDC VI 03 01 59 31.5–1.5 53.79N 170.77E 0 3.4,3.3b ¶610661296
KRSC VI 03 01 59 32.5–1.5 53.89N 170.69E 41–48 3.6L,3.3b
ISC Event type se.
IDC Error ellipse: s-maj=52.0km s-min=21.1km az=16.0.
KRSC Event type se.
ISC VI 03 03 05 58.8–1.2 53.3N–.50 170.5E–.10 35 3.8b 14 2-54
KRSC VI 03 03 05 49.4–2.2 54.22N 170.98E 42–38 3.5L ¶610661297
IDC VI 03 03 05 55.1–3.0 52.85N 170.70E 0 3.7b,3.6
ISC Event type se.
KRSC Event type se.
IDC Error ellipse: s-maj=158.9km s-min=20.5km az=8.0.
KRSC VI 03 05 20 54.2–1.2 53.73N 170.72E 41–44 3.6L
¶610661298
KRSC Event type se.
ISC VI 03 05 24 42.9–.87 53.9N–.20 170.62E–.07 35 3.5b 24 2-64
KRSC VI 03 05 24 37.1–1.7 53.91N 170.69E 41–47 4.0L ¶610661299
IDC VI 03 05 24 37.1–1.5 53.61N 170.56E 0 3.4,3.4b
ISC Event type se.
KRSC Event type se.
IDC Error ellipse: s-maj=47.5km s-min=18.1km az=15.0.
IDC VI 03 05 36 30.0–1.5 53.89N 170.48E 0 3.4,3.3b
¶610791153
IDC Error ellipse: s-maj=43.5km s-min=19.8km az=12.0.
ISC VI 03 05 45 11.0–.45 53.66N–.07 170.58E–.04 24 4.2b,3.7s 152 2-99
NEIC VI 03 05 45 07.8–1.7 53.55N–.07 170.43E–.09 10–1 4.3b,4.2L ¶610660636
AEIC VI 03 05 45 07.8–2.1 53.2N–.10 170.45E–.05 10–1 4.3b,4.2L
KRSC VI 03 05 45 09.1–1.3 53.68N 170.42E 41–47 4.7L,4.2L
IDC VI 03 05 45 09.0–.68 53.96N 170.69E 0 4.0,4.0b
MOS VI 03 05 45 11.0–.94 53.69N 170.54E 38 4.7b,4.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.6km s-min=5.7km az=145.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=24.4km s-min=3.8km az=173.0. hypocenter. manual.
KRSC Event type se.
IDC Error ellipse: s-maj=20.3km s-min=11.3km az=6.0.
MOS Error ellipse: s-maj=11.1km s-min=7.3km az=25.9.
ISC VI 03 08 30 41.8–.73 53.8N–.10 170.51E–.05 35 3.7b,3.2s 61 2-83
KRSC VI 03 08 30 36.7–1.2 53.73N 170.51E 36–49 4.1L,3.2s ¶610661300
IDC VI 03 08 30 36.8–.98 53.81N 170.68E 0 3.6,3.6b
MOS VI 03 08 30 39.5–.89 53.66N 170.53E 45 3.7b,3.6b
ISC Event type se.
KRSC Event type se.
IDC Error ellipse: s-maj=30.6km s-min=16.2km az=16.0.
MOS Error ellipse: s-maj=17.8km s-min=8.3km az=12.6.
ISC VI 03 08 44 41.3–.82 53.9N–.10 170.89E–.06 24 3.3b 35 2-84
KRSC VI 03 08 44 38.8–1.3 53.85N 170.82E 40–42 4.0L ¶610661301
IDC VI 03 08 44 38.4–1.1 53.94N 171.05E 0 3.4,3.4L
ISC Event type se.
KRSC Event type se.
IDC Error ellipse: s-maj=35.5km s-min=19.1km az=13.0.
ISC VI 03 11 26 19.0–1.2 53.6N–.20 170.63E–.08 35 3.5b 19 3-65
IDC VI 03 11 26 15.7–2.6 54.09N 170.68E 0 3.4,3.4b ¶610661302
KRSC VI 03 11 26 16.4–1.3 53.47N 170.36E 28–52 3.8L,3.4b
ISC Event type se.
IDC Error ellipse: s-maj=76.1km s-min=25.4km az=176.0.
KRSC Event type se.
ISC VI 03 11 55 31.6–.54 53.94N–.10 170.81E–.05 24 4.1b 53 2-145
KRSC VI 03 11 55 26.6–1.2 54.18N 171.01E 40–26 4.0L ¶610764465
IDC VI 03 11 55 28.0–.65 53.91N 170.82E 0 4.1s,4.0
NEIC VI 03 11 55 30.4–1.5 53.9N–.10 170.9E–.10 10–2 4.0b,4.0
ISC Event type se.
KRSC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 03 12 29 53.2–.90 54.0N–.20 171.01E–.10 24 3.4b 8 2-84
IDC VI 03 12 29 49.7–1.1 53.95N 170.99E 0 3.2,3.2b ¶610791172
ISC Event type ke.
IDC Error ellipse: s-maj=32.3km s-min=21.4km az=4.0.
KRSC VI 03 13 01 36.0–1.6 53.93N 170.71E 41–46 3.6L
¶610661304
KRSC Event type se.
IDC VI 03 17 13 10.3–1.6 53.92N 170.59E 0 3.3,3.3b
¶610791181
IDC Error ellipse: s-maj=55.7km s-min=22.8km az=14.0.
ISC VI 03 23 58 17.0–.60 53.8N–.10 170.84E–.05 24 3.8s,3.7b 47 2-89
IDC VI 03 23 58 14.4–.91 54.01N 170.86E 0 3.8s,3.7 ¶610791197
NEIC VI 03 23 58 15.3–1.8 53.8N–.10 170.9E–.10 10–1 3.8b,3.7
KRSC VI 03 23 58 15.4–1.3 53.54N 170.63E 42–88 3.9L,3.7
ISC Event type se.
IDC Error ellipse: s-maj=32.1km s-min=15.8km az=179.0.
NEIC Event type se. Error ellipse: s-maj=24.8km s-min=10.2km az=193.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
KRSC Event type se.
ISC VI 04 06 52 34.1–.54 53.82N–.08 170.86E–.04 24 4.0b,2.9s 126 2-84
IDC VI 04 06 52 30.6–.87 53.94N 170.85E 0 4.0L,3.8 ¶610662324
KRSC VI 04 06 52 31.0–1.3 53.95N 170.76E 38–39 4.4L,3.8
NEIC VI 04 06 52 32.7–1.7 53.8N–.20 171.0E–.10 10–2 3.9L,3.9b
MOS VI 04 06 52 32.9–.71 53.90N 170.85E 33 4.4b,3.9b
AEIC VI 04 06 52 39.6–7.3 53.6N–.20 171.5E–.20 10–9 4.4b,3.9b
ISC Event type se.
KRSC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VI 04 07 18 43.1–.71 53.9N–.10 170.72E–.05 35 3.6b 63 2-84
IDC VI 04 07 18 38.1–.95 53.98N 170.88E 0 3.6,3.5b ¶610662325
KRSC VI 04 07 18 39.7–1.2 53.75N 170.60E 40–45 4.3L,3.5b
MOS VI 04 07 18 40.4–.66 53.90N 170.84E 32 3.9b,3.5b
ISC Event type se.
IDC Error ellipse: s-maj=27.7km s-min=16.1km az=15.0.
KRSC Event type se.
MOS Error ellipse: s-maj=15.6km s-min=8.5km az=9.5.
ISC VI 05 02 05 43.3–.42 53.80N–.07 170.71E–.04 35 4.4b 261 2-144
BJI VI 05 02 05 36.4–.00 54.17N 171.41E 20 4.8b,4.6b ¶610661431
IDC VI 05 02 05 39.1–.66 53.97N 170.78E 0 4.1,4.1b
KRSC VI 05 02 05 40.6–1.1 53.68N 170.43E 41–44 4.3L,4.1b
NEIC VI 05 02 05 41.8–1.4 53.8N–.10 170.8E–.10 27–6 4.5b,3.8L
MOS VI 05 02 05 42.1–1.1 53.77N 170.64E 40 4.6b,3.8L
AEIC VI 05 02 05 44.6–2.0 53.5N–.10 170.7E–.10 25–5 4.6b,3.8L
ISC Event type se.
KRSC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
IDC VI 06 06 18 43.0–2.0 53.93N 171.40E 0 3.6s,3.3
¶610791324
IDC Error ellipse: s-maj=41.7km s-min=28.4km az=27.0.
KRSC VI 06 19 35 03.5–.66 53.64N 170.44E 61–35 3.9L
¶615297733
KRSC Event type se.
KRSC VI 07 06 18 32.1–.99 53.21N 170.41E 40–78 3.8L
¶610667875
KRSC Event type se.
KRSC VI 07 21 29 13.3–.66 53.69N 170.64E 39–28 4.0L
¶610667879
KRSC Event type se.
ISC VI 08 06 07 54.3–.81 53.4N–.10 170.52E–.05 35 3.8b,2.8s 62 2-65
NEIC VI 08 06 07 44.0–.81 52.5N–.20 171.01E–.03 10–2 4.0b,2.8s ¶610668156
KRSC VI 08 06 07 50.6–1.0 53.55N 170.38E 40–44 4.0L,2.8s
MOS VI 08 06 07 52.9–1.6 52.93N 170.33E 46 4.0b,2.8s
IDC VI 08 06 07 53.8–2.3 52.55N 170.47E 48–20 3.6,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=29.4km s-min=3.2km az=184.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
KRSC Event type se.
MOS Error ellipse: s-maj=17.2km s-min=9.7km az=24.2.
IDC Error ellipse: s-maj=63.1km s-min=14.7km az=1.0.
ISC VI 09 07 34 57.0–.64 53.55N–.08 170.59E–.04 24 3.9b 86 2-65
NEIC VI 09 07 34 53.7–1.9 53.4N–.20 170.55E–.09 10–2 3.9b,3.6L ¶610669497
AEIC VI 09 07 34 54.2–1.9 53.3N–.20 170.6E–.10 10–6 3.9b,3.6L
KRSC VI 09 07 34 55.7–1.3 53.61N 170.42E 40–45 4.1L,3.6L
IDC VI 09 07 34 55.2–1.2 53.82N 170.86E 0 3.7,3.7b
MOS VI 09 07 34 56.0–1.9 53.49N 170.68E 39 3.7b,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=31.4km s-min=3.9km az=195.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=26.9km s-min=5.9km az=196.0. hypocenter. manual.
KRSC Event type se.
IDC Error ellipse: s-maj=37.6km s-min=16.2km az=19.0.
MOS Error ellipse: s-maj=14.2km s-min=8.2km az=20.3.
NEIC VI 10 03 09 50.8–.56 52.4N–.10 173.5E–.20 43–17 3.7b,3.2L
AEIC VI 10 03 09 50.8–1.1 52.34N–.08 173.63E–.02 40–9 3.7b,3.2L ¶611151002
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VI 16 23 29 32.4–1.1 53.8N–.20 170.57E–.08 35 3.3b 17 2-65
KRSC VI 16 23 29 27.0–.37 53.63N 170.50E 33–7 3.8L ¶610792032
IDC VI 16 23 29 27.9–2.2 53.90N 170.69E 0 3.4,3.4b
ISC Event type se.
KRSC Event type se.
IDC Error ellipse: s-maj=89.6km s-min=22.0km az=176.0.
ISC VI 17 01 02 14.1–1.3 51.7N–.10 171.87E–.06 35 4.1b 48 2-64
KRSC VI 17 01 02 11.6–1.4 51.83N 171.89E 68–43 4.0L ¶610681480
IDC VI 17 01 02 12.9–2.5 51.79N 172.53E 0 3.9s,3.7
NEIC VI 17 01 02 21.0–1.5 52.1N–.20 172.8E–.20 35–18 4.1b,3.7
ISC Event type se.
KRSC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 17 20 19 34.4–.33 52.82N–.05 171.02E–.03 24 4.5b,4.3s 688 2-145
IDC VI 17 20 19 31.2–.49 52.95N 171.18E 0 4.4,4.3b ¶610681459
KRSC VI 17 20 19 32.4–1.6 52.69N 170.94E 60–43 4.7L,4.3b
MOS VI 17 20 19 34.6–1.0 52.87N 171.00E 40 4.7b,4.3b
AEIC VI 17 20 19 35.4–1.3 53.0N–.10 171.11E–.08 25–4 4.7b,4.3b
NEIC VI 17 20 19 36.3–1.2 52.9N–.10 171.09E–.08 36–6 4.6b,4.1L
ISC Event type se.
KRSC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 18 03 19 34.9–.91 53.9N–.10 170.50E–.06 35 3.4b 27 2-65
IDC VI 18 03 19 30.1–1.5 53.95N 170.42E 0 3.4,3.3b ¶610792090
KRSC VI 18 03 19 31.8–1.4 53.81N 170.39E 41–49 3.9L,3.3b
ISC Event type se.
IDC Error ellipse: s-maj=48.3km s-min=21.4km az=4.0.
KRSC Event type se.
ISC VI 18 08 13 05.4–.87 54.0N–.10 170.60E–.07 35 3.3b 20 2-84
IDC VI 18 08 13 00.9–1.2 53.99N 170.65E 0 3.2,3.2b ¶610681761
KRSC VI 18 08 13 00.8–.29 53.96N 170.53E 40–19 3.6L,3.2b
ISC Event type se.
IDC Error ellipse: s-maj=38.6km s-min=23.3km az=0.0.
KRSC Event type se.
ISC VI 22 00 28 55.7–.79 54.0N–.10 170.61E–.07 10 3.6b 20 2-64
IDC VI 22 00 28 54.5–1.5 54.00N 170.65E 0 3.4,3.3b ¶610789238
NEIC VI 22 00 28 55.8–1.0 53.9N–.20 170.7E–.10 10–2 3.7b,3.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 23 04 42 53.5–.83 53.9N–.10 170.64E–.07 35 3.7b 25 2-65
IDC VI 23 04 42 48.7–1.2 53.89N 170.73E 0 3.6,3.6b ¶610789312
KRSC VI 23 04 42 48.8–1.0 53.77N 170.57E 30–25 3.8L,3.6b
ISC Event type se.
IDC Error ellipse: s-maj=38.3km s-min=16.4km az=14.0.
KRSC Event type se.
ISC VI 24 22 49 55.2–.90 53.9N–.10 170.69E–.06 35 3.5b 29 3-64
IDC VI 24 22 49 50.9–2.8 54.00N 170.76E 0 3.4,3.4b ¶610694546
KRSC VI 24 22 49 51.8–1.0 53.77N 170.56E 38–39 3.8L,3.4b
NEIC VI 24 22 49 51.9–.70 54.0N–.20 170.7E–.10 10–2 3.8b,3.4b
ISC Event type se.
KRSC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 28 04 14 35.0–.85 53.6N–.10 170.54E–.05 24 3.8b 44 2-65
IDC VI 28 04 14 25.6–2.1 51.16N 170.99E 0 3.7,3.6b ¶610699288
NEIC VI 28 04 14 28.8–.37 51.6N–.20 170.7E–.10 10–2 4.1b,3.6b
KRSC VI 28 04 14 31.2–1.5 53.72N 170.54E 41–47 4.0L,3.6b
ISC Event type se.
IDC Error ellipse: s-maj=58.1km s-min=20.4km az=174.0.
NEIC Event type se. Error ellipse: s-maj=36.4km s-min=12.1km az=165.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
KRSC Event type se.

(6) Rat Islands.

ISC I 04 07 37 32.5–.95 51.9N–.10 178.53E–.06 113 3.4b 13 1-60
IDC I 04 07 37 18.2–2.3 51.53N 178.45E 0 3.3,3.3b ¶609978251
NEIC I 04 07 37 32.9–.86 51.9N–.10 178.54E–.10 112–9 3.3,3.3b
AEIC I 04 07 37 33.6–1.1 51.8N–.20 178.5E–.10 111–9 3.0L,3.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC I 04 12 17 06.4–.83 52.4N–.10 178.30E–.06 100 3.2b 18 1-60
IDC I 04 12 17 02.9–5.2 52.03N 178.51E 88–60 3.6,3.3L ¶610236698
NEIC I 04 12 17 06.7–.67 52.1N–.20 178.15E–.07 130–24 3.4L,3.3L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 08 08 09 20.2–1.3 51.5N–.20 179.68E–.06 100 3.7b 23 2-68
NEIC I 08 08 09 17.4–.73 51.1N–.20 179.68E–.08 65–67 3.7b ¶610236955
AEIC I 08 08 09 19.1–1.1 51.4N–.20 179.83E–.10 26–9 3.3L
IDC I 08 08 09 21.5–2.9 51.66N 179.55E 100–21 3.9,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=34.5km s-min=5.4km az=187.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=24.1km s-min=8.3km az=171.0. hypocenter. manual.
IDC Error ellipse: s-maj=44.2km s-min=13.6km az=180.0.
ISC I 15 16 34 51.7–1.4 52.0N–.30 178.40E–.06 150 3.1b 12 3-58
NEIC I 15 16 34 50.4–1.7 51.9N–.30 178.33E–.09 123–20 3.0L ¶610237447
AEIC I 15 16 34 51.9–1.5 51.8N–.10 178.4E–.10 119–7 3.0L
IDC I 15 16 34 53.8–6.4 52.41N 178.46E 143–62 3.3,2.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=46.0km s-min=3.7km az=189.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=17.0km s-min=7.1km az=210.0. hypocenter. manual.
IDC Error ellipse: s-maj=65.7km s-min=23.5km az=175.0.
ISC I 20 13 04 33.7–.72 51.72N–.10 178.62E–.04 97–6 3.7b 62 0-85
AEIC I 20 13 04 33.9–.71 51.7N–.20 178.7E–.10 91–5 3.7b ¶610234936
NEIC I 20 13 04 34.4–1.3 51.6N–.20 178.7E–.10 92–5 4.0b,3.8L
IDC I 20 13 04 35.6–2.4 51.88N 178.63E 111–20 3.8,3.4b
ISC Event type se.
AEIC Event type se. Error ellipse: s-maj=22.2km s-min=11.4km az=177.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=26.3km s-min=9.4km az=177.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=23.3km s-min=11.9km az=170.0.
ISC II 03 02 53 59.6–1.4 50.9N–.20 178.99E–.06 41 3.8b 53 3-60
NEIC II 03 02 53 54.6–1.4 50.9N–.40 178.3E–.30 43–16 3.9b,3.7L ¶610189540
AEIC II 03 02 54 01.8–3.2 51.2N–.20 179.1E–.20 36–9 3.9b,3.7L
IDC II 03 02 54 04.4–4.4 51.59N 178.99E 68–40 4.5L,3.7
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=65.0km s-min=11.5km az=156.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=26.1km s-min=17.3km az=163.0. hypocenter. manual.
IDC Error ellipse: s-maj=51.1km s-min=19.3km az=174.0.
ISC II 06 20 28 44.4–1.0 51.5N–.20 179.4E–.10 100 3.5b 31 0-65
IDC II 06 20 28 33.4–2.4 51.60N 179.38E 0 4.0L,3.4 ¶610414989
NEIC II 06 20 28 44.4–1.4 51.5N–.30 179.5E–.20 89–5 3.8b,3.5L
AEIC II 06 20 28 44.9–1.5 51.7N–.20 179.5E–.20 79–8 3.8b,3.5L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC II 17 08 00 42.4–.53 51.71N–.10 178.73E–.04 100 4.2b 265 0-89
NEIC II 17 08 00 42.4–1.4 51.6N–.20 178.74E–.09 103–7 4.3b,4.2L ¶610223775
IDC II 17 08 00 43.0–.84 51.82N 178.68E 104–6 4.0,3.6b
AEIC II 17 08 00 45.1–2.1 51.6N–.10 178.77E–.09 85–5 4.0,3.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC II 24 10 24 07.0–.55 51.39N–.06 176.35E–.03 25–3 4.9b,4.5s 732 2-149
AEIC II 24 10 23 56.6–5.1 50.65N–.10 175.95E–.09 1–4 4.9b,4.5s ¶610240227
IDC II 24 10 24 03.1–.61 51.29N 176.34E 0 4.9L,4.5
NEIC II 24 10 24 04.2–1.7 51.29N–.06 176.39E–.05 10–1 4.9b,4.4L
MOS II 24 10 24 06.3–1.3 51.33N 176.43E 32 5.2b,4.6s
BJI II 24 10 24 07.4–.00 51.68N 176.02E 33 5.2b,5.1s
GCMT II 24 10 24 08.2–.30 51.22N–.02 175.98E–.05 15–1 4.9W,5.1s
BGR II 24 10 24 14.9 51.85N 175.45E 33 5.1b,4.5s
ISC Event type se.
AEIC Event type se. Error ellipse: s-maj=14.2km s-min=7.8km az=188.0. hypocenter. manual.
IDC Error ellipse: s-maj=16.9km s-min=10.3km az=172.0.
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=3.3km az=152.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=7.4km s-min=4.7km az=103.9.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s24,c29; s75,c93;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}1.66±.15 $M_{\theta\theta}$-2.12±.11; $M_{\phi\phi}$0.45±.10; $M_{r\theta}$1.18±.20; $M_{\theta\phi}$0.20±.07; $M_{\phi r}$-1.45±.30; Best double couple: NP1:ϕ_s123.00000°,δ69.00000°,λ117.00000°. NP2:ϕ_s249.00000°,δ34.00000°,λ40.00000°. Principal axes: T 2.7890,Plg57.0000° ,Azm70.0000°; N -0.2010,Plg25.0000°,Azm293.0000°; P -2.5910,Plg19.0000° ,Azm193.0000° $M_0$2.69000×10^{16}
ISC Event type ke. Hypocentre not reviewed by the ISC.
ISC II 28 04 19 48.2–.55 51.8N–.10 178.41E–.05 113 3.8b 84 3-149
IDC II 28 04 19 47.8–.83 51.88N 178.47E 108–6 4.1s,3.8 ¶610241909
NEIC II 28 04 19 48.4–1.6 51.8N–.10 178.4E–.10 107–7 3.9b,3.5L
AEIC II 28 04 19 49.5–1.9 51.8N–.20 178.5E–.10 106–8 3.9b,3.5L

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC II 28 07 27 54.4–1.8 51.6N–.30 179.31E–.06 100 3.5b 17 2-60
AEIC II 28 07 27 52.1–2.2 51.8N–.80 179.21E–.09 74–10 3.2L **¶610242069**
NEIC II 28 07 27 53.7–.17 51N–1.0 179.7E–.90 27–25 3.2L
IDC II 28 07 27 54.8–3.3 51.81N 179.23E 89–25 3.5,3.2b
ISC Event type se.
AEIC Event type se. Error ellipse: s-maj=108.9km s-min=5.5km az=176.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=168.9km s-min=25.9km az=153.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=54.1km s-min=15.1km az=0.0.
ISC III 01 22 02 28.8–.57 51.9N–.10 176.19E–.04 50 4.2b,3.1s 101 2-124
AEIC III 01 22 02 28.9–1.5 52.0N–.10 176.25E–.09 71–7 4.2b,3.1s **¶610246706**
NEIC III 01 22 02 29.6–1.4 51.9N–.10 176.25E–.04 58–8 4.2b,4.0L
IDC III 01 22 02 30.6–2.1 51.98N 176.30E 66–15 4.1,3.8b
ISC Event type se.
AEIC Event type se. Error ellipse: s-maj=16.8km s-min=6.3km az=200.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=17.3km s-min=3.4km az=185.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=22.1km s-min=11.0km az=171.0.
ISC III 07 14 23 52.3–.30 51.90N–.05 178.45E–.03 102–1 4.9b 979 3-157
BJI III 07 14 23 50.9–.00 52.00N 178.03E 92 5.0b,4.9b **¶610271562**
MOS III 07 14 23 51.8–.96 51.90N 178.52E 112 4.8b,4.9b
IDC III 07 14 23 52.1–.42 51.90N 178.52E 98–2 4.7,4.3b
AEIC III 07 14 23 52.5–2.0 51.71N–.10 178.39E–.09 104–4 4.7,4.3b
NEIC III 07 14 23 52.8–1.3 51.93N–.09 178.48E–.09 104–5 4.9b,4.3L
GCMT III 07 14 23 53.8–.30 51.88N–.03 178.60E–.03 84–4 4.8W,4.3L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s28,c32; s86,c110;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr-1.06±.11 Mθθ-1.02±.12; Mφφ2.08±.10; Mrθ1.00±.07; Mθφ0.17±.12; Mφr-0.96±.06; Best double couple: NP1:φs329.00000°,δ71.00000°,λ-131.00000°. NP2:φs219.00000°,δ44.00000°,λ-27.00000°. Principal axes: T 2.3520,Plg16.0000° ,Azm88.0000°; N -0.1590,Plg38.0000°,Azm345.0000°; P -2.1930,Plg47.0000° ,Azm196.0000° M0 2.27300×10^{16}
ISC III 09 02 26 18.2–.23 52.06N–.04 178.35E–.03 121–1 5.3b 1542 2-161
BJI III 09 02 26 16.9–.00 52.26N 178.23E 121 5.3b,5.0b **¶611832003**
IDC III 09 02 26 18.4–.47 52.10N 178.39E 120–3 5.1,4.7b
NEIC III 09 02 26 18.4–1.6 52.05N–.08 178.40E–.10 119–4 5.3b,5.2
NEIC III 09 02 26 18.9 51.70N 178.87E 120 5.3b,5.2
AEIC III 09 02 26 18.4–2.1 51.99N–.08 178.34E–.09 129–3 5.3b,5.2
NEIC III 09 02 26 18.7 52.10N 178.38E 119 5.3b,5.2
NEIC III 09 02 26 18.9 52.10N 178.38E 120 5.3b,5.2
MOS III 09 02 26 18.2–1.1 52.10N 178.42E 133 5.1b,5.2
GCMT III 09 02 26 19.4–.10 52.02N–.01 178.47E–.01 116–1 5.2W,5.2
BGR III 09 02 26 41.6 51.61N 179.06E 33 5.1b,4.0s
ISC Event type ke. Moment Tensor Solution. NP1:φs228.30963°,δ20.62141°,λ-30.53437°. NP2: φs347.21097°,δ79.69241°,λ-107.95844°. Principal axes: T Plg32.3627°,Azm92.1690° ; N Plg17.6590°,Azm350.5301°; P Plg52.0293°,Azm236.4570° Moment Tensor Solution. NP1:φs306.23169°,δ86.68498°,λ-145.72800°. NP2:φs213.97514°,δ55.79330°,λ-4.00945°. Principal axes: T Plg20.8935°,Azm74.9478°; N Plg55.5876°,Azm311.0821°; P Plg26.0025° ,Azm175.6791°
IDC Error ellipse: s-maj=9.1km s-min=6.2km az=165.0.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=8.5km az=182.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; Mrr-3.26 Mθθ-2.37 Mφφ5.63 Mrθ2.25 Mθφ0.66 Mφr-6.23 NP1:φs340.81000°,δ75.54000°,λ-110.95000°. NP2:φs217.70000°,δ25.27000° ,λ-35.80000°. Principal axes: T 8.8527,Plg28.0000°,Azm87.0000°; N -1.3525,Plg20.0000° ,Azm346.0000°; P -7.5002,Plg55.0000°,Azm225.0000° M0 8.26000×10^{16}
NEIC Event type se. Moment Tensor Solution.Duration: 2s0 Moment tensor: Scale 10^{16}Nm; Mrr-4.96 Mθθ-2.97 Mφφ7.93 Mrθ4.16 Mθφ-2.11 Mφr-0.59 NP1:φs317.24000°,δ61.92000° ,λ-134.73000°. NP2:φs201.83000°,δ51.18000°,λ-37.16000°. Principal axes: T 8.4714,Plg6.0000°,Azm77.0000°; N -0.1892,Plg38.0000°,Azm342.0000° ; P -8.2823,Plg51.0000°,Azm175.0000° M0 8.38000×10^{16}
AEIC Event type se. Error ellipse: s-maj=11.9km s-min=8.4km az=180.0. hypocenter. manual.
NEIC Event type se.
NEIC Event type se.
MOS Error ellipse: s-maj=6.8km s-min=4.5km az=109.3.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s102,c148; s150,c268;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; Mrr-0.43±.01 Mθθ-0.34±.02; Mφφ0.77±.01; Mrθ0.37±.01; Mθφ0.21±.01; Mφr-0.34±.01; Best double couple: NP1:φs336.00000°,δ69.00000°,λ-133.00000°. NP2:φs225.00000°,δ47.00000°,λ-30.00000°. Principal axes: T 0.8740,Plg13.0000° ,Azm96.0000°; N -0.0190,Plg39.0000°,Azm355.0000°; P -0.8550,Plg48.0000° ,Azm201.0000° M0 0.86400×10^{17}
BGR Event type ke.
ISC III 14 11 27 15.5–.52 50.52N–.08 176.99E–.05 10 4.4b,3.9s 388 2-87
IDC III 14 11 27 12.4–.75 50.33N 176.80E 0 4.1L,4.0 **¶610328162**
NEIC III 14 11 27 16.6–1.4 50.65N–.09 176.92E–.08 13–4 4.4b,3.9L
AEIC III 14 11 27 19.3–2.8 50.29N–.10 177.0E–.10 11–4 4.4b,3.9L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC III 15 21 47 15.6–.36 51.09N–.07 179.19E–.03 35–2 4.8b,4.3s 626 0-150
AEIC III 15 21 47 13.9–1.5 51.07N–.06 179.04E–.08 19–3 4.8b,4.3s **¶610329587**
MOS III 15 21 47 14.7–.88 51.21N 179.15E 39 5.0b,4.0s
BJI III 15 21 47 14.2–.00 51.29N 178.99E 36 5.2b,4.8s
NEIC III 15 21 47 15.2–1.5 51.14N–.09 179.09E–.08 30–4 4.9b,4.8L
IDC III 15 21 47 16.8–2.0 51.30N 179.12E 43–17 5.2L,4.4
GCMT III 15 21 47 17.2–.20 51.29N–.02 179.24E–.02 27–0 5.1W,4.4
ISC Event type se. Moment Tensor Solution. NP1:φs244.98070°,δ47.71894°,λ124.53071°. NP2: φs19.33645°,δ52.44607°,λ58.06176°. Principal axes: T Plg65.0540°,Azm226.8499° ; N Plg24.7957°,Azm40.1407°; P Plg2.5638°,Azm131.3260°
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s70,c93; s109,c163;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr3.17±.14 Mθθ-3.62±.13; Mφφ0.45±.11; Mrθ0.27±.21; Mθφ-2.56±.09; Mφr2.30±.21; Best double couple: NP1:φs36.00000°,δ62.00000°,λ52.00000°. NP2:φs274.00000°,δ46.00000°,λ139.00000°. Principal axes: T 4.6300,Plg56.0000° ,Azm255.0000°; N 0.4290,Plg32.0000°,Azm56.0000°; P -5.0570,Plg9.0000°,Azm152.0000° M0 4.84300×10^{16}
ISC III 15 22 19 43.1–.35 51.27N–.04 179.13E–.02 34–1 5.3b,5.1s 1528 0-151
MOS III 15 22 19 37.5–1.0 51.21N 179.22E 10 5.4b,5.2s **¶610329592**
AEIC III 15 22 19 40.7–1.8 51.07N–.05 179.07E–.08 18–3 5.4b,5.2s
NEIC III 15 22 19 40.5–1.8 51.08N–.05 179.08E–.06 19–1 5.6,5.4b
IDC III 15 22 19 41.9–1.3 51.27N 179.17E 26–7 5.1s,5.0
BJI III 15 22 19 41.1–.00 51.35N 178.88E 31 5.6b,5.5s
NEIC III 15 22 19 42.1 51.20N 179.05E 23 5.6b,5.5s
NEIC III 15 22 19 42.1 51.20N 179.05E 30 5.6b,5.5s
NEIC III 15 22 19 42.1 51.00N 179.21E 30 5.6b,5.5s
GCMT III 15 22 19 43.5–.10 51.20N–.01 179.18E–.01 22–0 5.7W,5.5s
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; Mrr1.27 Mθθ-1.30 Mφφ0.03 Mrθ0.72 Mθφ-0.73 Mφr0.81 NP1:φs265.99000°,δ30.83000°,λ122.31000°. NP2:φs49.62000°,δ64.33000° ,λ72.31000°. Principal axes: T 1.7131,Plg66.0000°,Azm288.0000°; N 0.2223,Plg16.0000° ,Azm57.0000°; P -1.9354,Plg18.0000°,Azm153.0000° M0 1.83000×10^{17}
NEIC Event type se.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 3s1 Moment tensor: Scale 10^{17}Nm; Mrr2.20 Mθθ-2.29 Mφφ0.09 Mrθ1.12 Mθφ-1.12 Mφr1.28 NP1:φs51.63000°,δ63.08000° ,λ71.80000°. NP2:φs267.62000°,δ32.11000°,λ121.60000°. Principal axes: T 2.8683,Plg67.0000°,Azm288.0000°; N 0.3023,Plg16.0000°,Azm60.0000° ; P -3.1707,Plg16.0000°,Azm155.0000° M0 3.02000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s132,c257; s163,c343;Duration: 1s7 Moment tensor: Scale 10^{17}Nm; Mrr2.59±.04 Mθθ-2.62±.04; Mφφ0.03±.03; Mrθ1.96±.07; Mθφ-1.27±.02; Mφr2.03±.07; Best double couple: NP1:φs51.00000°,δ68.00000°,λ74.00000°. NP2:φs268.00000°,δ27.00000°,λ124.00000°. Principal axes: T 3.9230,Plg63.0000° ,Azm295.0000°; N 0.2330,Plg15.0000°,Azm57.0000°; P -4.1570,Plg22.0000°,Azm153.0000° M0 4.04000×10^{17}
NEIC III 15 22 26 16.8–.83 51.1N–.10 178.90E–.09 20–6 4.1b,3.3L
AEIC III 15 22 26 17.6–2.5 51.16N–.07 178.99E–.08 16–2 4.1b,3.3L **¶610331395**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC III 20 06 51 09.2–.66 51.93N–.10 178.31E–.05 113 3.9b 125 1-85
IDC III 20 06 51 08.4–2.0 51.96N 178.37E 109–17 3.8,3.6s **¶610543308**
NEIC III 20 06 51 09.7–1.2 51.9N–.10 178.3E–.10 110–12 4.0b,3.4L
AEIC III 20 06 51 10.2–1.6 51.9N–.10 178.3E–.10 116–7 4.0b,3.4L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC III 28 02 54 06.9–.60 51.47N–.10 177.95E–.04 35 4.3b,3.6s 130 3-84
AEIC III 28 02 54 00.2–2.3 51.2N–.20 177.93E–.10 10–5 4.3b,3.6s **¶610471033**
MOS III 28 02 54 05.5–1.4 51.88N 177.88E 30 4.7b,3.6s
NEIC III 28 02 54 07.5–2.0 51.3N–.20 177.9E–.10 48–10 4.3b,3.7L
IDC III 28 02 54 11.5–2.7 52.01N 178.01E 63–21 3.9,3.6b
ISC Event type se.
AEIC Event type se. Error ellipse: s-maj=23.2km s-min=8.3km az=186.0. hypocenter. manual.
MOS Error ellipse: s-maj=11.5km s-min=9.1km az=100.9.
NEIC Event type se. Error ellipse: s-maj=24.4km s-min=9.5km az=186.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=26.0km s-min=12.4km az=165.0.
ISC IV 01 08 55 04.6–1.2 51.8N–.20 179.44E–.06 150 4.0b 99 2-60
IDC IV 01 08 55 00.5–5.7 51.99N 179.98W 73–72 3.8L,3.7 **¶610651691**
NEIC IV 01 08 55 03.5–2.0 51.7N–.20 179.5E–.10 145–18 4.0b,3.3L
AEIC IV 01 08 55 05.7–2.1 51.7N–.10 179.6E–.10 146–8 4.0b,3.3L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC IV 04 20 04 13.7–.95 52.1N–.10 178.44E–.05 50 3.4b 12 1-60
IDC IV 04 20 04 04.5–2.6 51.72N 178.36E 0 3.3,3.3b **¶610483612**
AEIC IV 04 20 04 14.6–1.0 51.7N–.20 178.42E–.08 88–9 3.2L,3.3b
NEIC IV 04 20 04 15.7–.14 52.0N–.10 178.4E–.10 40–78 3.2L,3.3b
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 08 15 36 39.3–.57 50.97N–.09 175.93E–.05 25 4.2b,3.3s 223 2-84
IDC IV 08 15 36 35.6–.66 50.94N 175.95E 0 4.0,4.0b **¶610598335**
NEIC IV 08 15 36 35.5–2.7 50.6N–.20 175.9E–.10 15–5 4.3b,3.7L
BJI IV 08 15 36 35.8–.00 51.25N 176.32E 25 5.0b,4.8s
AEIC IV 08 15 36 40.3–2.6 50.8N–.20 175.8E–.10 6–6 5.0b,4.8s
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC IV 24 07 25 32.0–.54 51.62N–.09 179.15E–.04 72–3 4.7b 648 0-150
MOS IV 24 07 25 31.6–.96 51.62N 179.15E 85 4.5b **¶610547660**
AEIC IV 24 07 25 31.5–1.9 51.5N–.10 179.11E–.10 65–5 4.5b
NEIC IV 24 07 25 31.7–1.9 51.6N–.10 179.13E–.10 67–6 4.7L,4.7b
IDC IV 24 07 25 32.0–.72 51.73N 179.15E 71–4 4.4,4.1b
ISC Event type se.
MOS Error ellipse: s-maj=8.9km s-min=7.4km az=54.8.
AEIC Event type se. Error ellipse: s-maj=15.9km s-min=8.8km az=179.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=17.4km s-min=8.9km az=181.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=17.0km s-min=7.7km az=2.0.
NEIC IV 24 08 26 42.5–1.6 51.6N–.20 179.1E–.20 62–11 3.7b,3.3L
AEIC IV 24 08 26 42.7–2.0 51.5N–.30 179.1E–.20 63–8 3.7b,3.3L **¶611149643**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC IV 27 14 46 34.7–.32 51.27N–.04 178.69E–.03 26–1 5.3b,5.2s 1359 3-159
BGR IV 27 14 46 24.2 49.50N 177.50E 33 5.0b,5.2s **¶610570294**
BJI IV 27 14 46 30.7–.00 51.49N 178.53E 15 5.5b,5.5s
AEIC IV 27 14 46 31.7–2.5 51.1N–.10 178.70E–.08 1–3 5.5b,5.5s
IDC IV 27 14 46 33.3–2.0 51.35N 178.70E 19–11 5.4L,5.1s
NEIC IV 27 14 46 33.2–1.9 51.21N–.09 178.64E–.08 19–1 5.7,5.6
NEIC IV 27 14 46 33.6 51.35N 178.62E 26 5.7,5.6
NEIC IV 27 14 46 33.6 51.25N 178.62E 26 5.7,5.6
MOS IV 27 14 46 34.2–1.1 51.19N 178.73E 43 5.5b,5.4s
GCMT IV 27 14 46 37.2–.10 51.23N–.01 178.74E–.01 22–0 5.8W,5.4s
NEIC IV 27 14 46 37 51.30N 178.63E 48 5.8W,5.4s
ISC Event type ke.
BGR Event type ke.
AEIC Event type se. Error ellipse: s-maj=14.5km s-min=7.5km az=177.0. hypocenter. manual.
IDC Error ellipse: s-maj=14.5km s-min=8.4km az=170.0.
NEIC Event type se. Error ellipse: s-maj=15.8km s-min=8.8km az=176.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; Mrr1.66 Mθθ-2.22 Mφφ0.56 Mrθ1.65 Mθφ-1.04 Mφr0.93 NP1:φs268.78000°,δ26.07000°,λ115.60000°. NP2:φs60.70000°,δ66.65000° ,λ78.06000°. Principal axes: T 2.4313,Plg66.0000°,Azm309.0000°; N 0.8418,Plg11.0000° ,Azm65.0000°; P -3.2731,Plg21.0000°,Azm160.0000° M0 2.94000×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 3s6 Moment tensor: Scale 10^{17}Nm; Mrr2.95 Mθθ-3.69 Mφφ0.74 Mrθ2.60 Mθφ-0.87 Mφr1.72 NP1:φs62.11000°,δ67.30000° ,λ73.09000°. NP2:φs280.34000°,δ28.03000°,λ124.81000°. Principal axes: T 4.3665,Plg64.0000°,Azm304.0000°; N 0.5662,Plg16.0000°,Azm69.0000° ; P -4.9328,Plg21.0000°,Azm165.0000° M0 4.65000×10^{17}
NEIC Event type se.
MOS Error ellipse: s-maj=5.9km s-min=3.5km az=127.6.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s148,c272; s161,c341;Duration: 1s9 Moment tensor: Scale 10^{17}Nm; Mrr4.10±.06 Mθθ-4.27±.04; Mφφ0.17±.04; Mrθ3.05±.09; Mθφ-1.00±.03; Mφr1.79±.08; Best double couple: NP1:φs66.00000°,δ65.00000°,λ79.00000°. NP2:φs271.00000°,δ27.00000°,λ112.00000°. Principal axes: T 5.4740,Plg68.0000° ,Azm315.0000°; N 0.1920,Plg10.0000°,Azm71.0000°; P -5.6640,Plg19.0000°,Azm164.0000° M0 5.56900×10^{17}
NEIC Event type se.
ISC IV 27 15 58 49.5–.60 51.12N–.10 178.67E–.04 35 4.2b,4.1s 291 3-84
MOS IV 27 15 58 48.6–.82 51.27N 178.74E 45 4.6b,4.1s **¶610570299**
AEIC IV 27 15 58 49.3–2.1 51.2N–.10 178.62E–.09 29–6 4.6b,4.1s
NEIC IV 27 15 58 50.8–1.8 51.3N–.20 178.7E–.10 51–11 4.3L,4.2b
IDC IV 27 15 58 50.5–3.0 51.36N 178.65E 38–23 3.9s,3.9
ISC Event type se.
MOS Error ellipse: s-maj=10.5km s-min=9.0km az=104.7.
AEIC Event type se. Error ellipse: s-maj=21.0km s-min=8.1km az=176.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=23.2km s-min=9.2km az=179.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=30.0km s-min=12.4km az=172.0.
ISC IV 27 16 06 54.3–.68 51.1N–.10 178.75E–.04 35 3.9b 221 3-84
AEIC IV 27 16 06 52–2.7 50.8N–.10 178.70E–.08 9–6 3.9b **¶610570301**

IDC IV 27 16 06 54.8–5.3 51.28N 178.74E 35–42 4.5L,3.8
NEIC IV 27 16 06 55.7–2.2 51.2N–.10 178.70E–.08 43–7 3.9L,3.9b
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 27 16 08 59.6–1.2 51.0N–.20 178.67E–.05 35 3.8b 62 3-75
NEIC IV 27 16 09 01.4–1.9 51.1N–.20 178.64E–.08 49–12 3.9b **¶610650148**
IDC IV 27 16 09 02.1–5.3 51.51N 178.72E 38–40 4.0L,3.6
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=23.0km s-min=6.8km az=177.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=67.5km s-min=17.2km az=175.0.
ISC IV 27 23 39 06.3–.56 51.26N–.05 178.74E–.03 18–2 5.0b,4.5s 1058 3-150
AEIC IV 27 23 39 04.0–1.6 51.04N–.09 178.63E–.08 3–3 5.0b,4.5s **¶611833659**
MOS IV 27 23 39 03.4–.94 51.28N 178.76E 10 5.2b,4.6s
NEIC IV 27 23 39 05.7–1.5 51.30N–.04 178.78E–.08 10–1 5.1b,4.9L
BJI IV 27 23 39 07.3–.00 51.32N 178.49E 36 5.2b,5.1b
IDC IV 27 23 39 07.0–2.2 51.27N 178.81E 24–13 5.2L,4.8
GCMT IV 27 23 39 08.7–.20 51.23N–.01 178.79E–.03 21–0 5.1W,4.8
BGR IV 27 23 39 09.3 51.14N 177.72E 33 4.5b,4.8
ISC Event type ke.
AEIC Event type se. Error ellipse: s-maj=13.1km s-min=7.4km az=179.0. hypocenter. manual.
MOS Error ellipse: s-maj=6.6km s-min=4.4km az=115.2.
NEIC Event type se. Error ellipse: s-maj=8.6km s-min=7.5km az=250.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=15.0km s-min=9.2km az=168.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s77,c108; s113,c164;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.99±.15 $M_{\theta\theta}$-4.35±.11; $M_{\phi\phi}$0.36±.10; $M_{r\theta}$4.07±.24; $M_{\theta\phi}$-0.43±.08; $M_{\phi r}$1.63±.20; Best double couple: NP1:ϕ_s73.00000°,δ69.00000°,λ80.00000°. NP2:ϕ_s278.00000°,δ24.00000°,λ114.00000°. Principal axes: T 5.9750,Plg65.0000° ,Azm326.0000°; N 0.1990,Plg9.0000°,Azm76.0000°; P -6.1680,Plg23.0000°,Azm170.0000° $M_0$6.07200×10^{16}
BGR Event type ke.
NEIC IV 29 02 47 31.3–1.5 52.0N–.30 178.5E–.10 122–19 3.6b,3.2L
AEIC IV 29 02 47 31.6–1.6 51.8N–.20 178.3E–.10 135–8 3.6b,3.2L **¶611149746**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC V 01 06 28 47.6–.55 50.91N–.09 179.30E–.05 35 4.2b,3.3s 332 2-150
IDC V 01 06 28 46.2–4.3 51.18N 179.27E 19–26 4.3L,4.0 **¶610589585**
MOS V 01 06 28 46.8–1.3 51.18N 179.22E 34 4.5b,4.0
NEIC V 01 06 28 47.7–1.7 51.1N–.10 179.16E–.09 28–6 4.2b,4.0L
AEIC V 01 06 28 47.2–1.9 51.0N–.10 179.16E–.09 29–5 4.2b,4.0L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC V 01 07 34 57.3–.58 51.15N–.07 179.33E–.04 47–3 4.5b,4.1s 531 2-150
IDC V 01 07 34 53.9–4.0 51.22N 179.29E 20–25 4.7L,4.2 **¶610589588**
AEIC V 01 07 34 54.3–2.4 51.0N–.10 179.17E–.09 20–3 4.7L,4.2
MOS V 01 07 34 55.8–.99 51.31N 179.23E 44 4.6b,4.2
NEIC V 01 07 34 58.1–1.7 51.3N–.10 179.27E–.09 48–6 4.4b,4.3L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 02 23 20 50.4–4.0 51.0N–.40 176.6E–.20 10 11 2-25
AEIC V 02 23 20 48.9–2.1 50.7N–.10 176.0E–.10 10–9 **¶611149968**
NEIC V 02 23 20 51.0–1.3 51.0N–.10 176.7E–.10 10–2 3.7b,3.5L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 05 11 15 02.3–.45 51.11N–.07 178.86E–.03 41 4.5b,3.6s 551 3-150
MOS V 05 11 14 59.0–.90 51.18N 178.81E 25 4.7b,3.6s **¶610602372**
IDC V 05 11 15 01.7–2.7 51.28N 178.79E 30–18 4.8L,4.3
AEIC V 05 11 15 03.3–2.0 51.4N–.10 178.83E–.08 72–6 4.8L,4.3
NEIC V 05 11 15 04.3–1.7 51.3N–.10 178.87E–.08 50–6 4.5L,4.4b
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 07 09 29 46.0–.89 51.9N–.20 178.31E–.05 128–7 3.1b 22 0-81
NEIC V 07 09 29 44.6–.40 51.83N–.09 178.3E–.10 135–5 3.2L **¶610689712**
AEIC V 07 09 29 45.2–.66 51.88N–.09 178.4E–.10 127–5 3.2L
IDC V 07 09 29 45.4–4.5 51.83N 178.30E 120–36 3.4,2.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.8km s-min=9.9km az=166.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=13.3km s-min=10.1km az=191.0. hypocenter. manual.
IDC Error ellipse: s-maj=53.5km s-min=28.5km az=157.0.
ISC V 07 11 00 31.1–.63 51.7N–.10 179.95E–.04 100 3.7b 85 0-89
AEIC V 07 11 00 30.9–1.2 51.69N–.06 179.98W–.06 90–6 3.7b **¶610689720**
NEIC V 07 11 00 31.6–.98 51.7N–.20 179.98W–.06 89–7 3.9L,3.8b
IDC V 07 11 00 32.2–2.3 51.81N 179.97E 105–18 3.7,3.3b
ISC Event type se.
AEIC Event type se. Error ellipse: s-maj=8.5km s-min=5.3km az=174.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=23.9km s-min=5.7km az=181.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=24.1km s-min=13.5km az=166.0.
ISC V 09 19 08 48.8–1.8 50.98N–.07 179.18E–.04 18–9 3.9b 188 0-68
NEIC V 09 19 08 46.5–2.4 50.89N–.04 179.11E–.07 10–1 3.9b,3.7L **¶610619295**
AEIC V 09 19 08 50.3–2.7 51.05N–.04 179.13E–.06 16–3 3.9b,3.7L
IDC V 09 19 08 55.3–2.9 51.41N 179.25E 54–23 4.4L,4.1
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=6.1km az=286.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=5.7km s-min=5.6km az=125.0. hypocenter. manual.
IDC Error ellipse: s-maj=34.6km s-min=11.8km az=1.0.
ISC V 11 17 27 32.2–1.9 51.7N–.40 179.8E–.20 10 3.4b 7 22-59
IDC V 11 17 27 30.6–2.2 51.67N 179.77E 0 3.3,3.3b **¶610690071**
ISC Event type ke.
IDC Error ellipse: s-maj=65.0km s-min=32.2km az=6.0.
ISC V 14 02 56 31.1–.92 51.7N–.20 176.36E–.05 35 3.8b,2.9s 35 1-83
IDC V 14 02 56 25.8–1.9 51.77N 176.53E 0 3.7,3.7b **¶610667680**
AEIC V 14 02 56 31.6–1.2 51.7N–.10 176.41E–.07 27–8 3.7,3.7b
NEIC V 14 02 56 31.6–1.4 51.56N–.10 176.28E–.03 36–49 3.5L,3.7b
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 14 10 02 18.0–1.2 51.7N–.20 176.36E–.05 31 3.7b 28 1-67
IDC V 14 10 02 12.4–2.6 51.46N 176.42E 0 3.7,3.7b **¶610690264**
AEIC V 14 10 02 19.7–1.3 51.7N–.20 176.44E–.08 25–8 3.7,3.7b
NEIC V 14 10 02 20.6–1.5 51.7N–.10 176.39E–.09 36–49 3.6L,3.7b
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 14 11 54 24.4–.63 51.6N–.10 178.44E–.05 80 3.9b 89 1-150
NEIC V 14 11 54 23.2–1.8 51.4N–.20 178.4E–.10 80–9 3.9b,3.8L **¶610638704**
IDC V 14 11 54 23.9–2.3 51.73N 178.54E 69–19 3.9,3.6b
AEIC V 14 11 54 24.9–1.9 51.6N–.20 178.6E–.10 66–8 3.9,3.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC V 15 09 08 50.2–2.2 50.6N–.10 178.5E–.10 26–16 3.8b,3.4L
¶616918730
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 16 00 03 52.1–1.7 51.9N–.50 178.42E–.10 113 3.4b 9 3-60
IDC V 16 00 03 52.2–3.2 51.91N 178.38E 114–23 3.5,3.1b **¶610690368**
ISC Event type ke.
IDC Error ellipse: s-maj=74.0km s-min=17.7km az=3.0.
IDC V 16 05 11 48.0–21 51.31N 178.82E 0 3.2,3.2b
¶610690386
IDC Error ellipse: s-maj=435.0km s-min=73.1km az=87.0.
ISC V 16 11 41 53.5–.53 51.26N–.06 179.31E–.03 30–3 4.9b,4.3s 961 0-150
MOS V 16 11 41 48.7–1.1 51.22N 179.39E 11 5.1b,4.2s **¶611833906**
NEIC V 16 11 41 50.2–1.7 51.15N–.09 179.34E–.07 10–1 4.9b,4.5L
IDC V 16 11 41 51.7–3.0 51.20N 179.42E 20–18 4.7,4.7L
BJI V 16 11 41 53.2–.00 51.32N 179.08E 41 5.1b,4.9b
GCMT V 16 11 41 54.1–.20 51.09N–.02 179.44E–.03 24–0 5.1W,4.9b
AEIC V 16 11 41 55.3–1.6 51.16N–.09 179.32E–.05 16–3 5.1W,4.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s62,c79; s96,c130;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.86±.21 $M_{\theta\theta}$-3.83±.14; $M_{\phi\phi}$-0.03±.13; $M_{r\theta}$2.93±.19; $M_{\theta\phi}$-0.79±.08; $M_{\phi r}$1.33±.17; Best double couple: NP1:ϕ_s70.00000°,δ65.00000°,λ83.00000°. NP2:ϕ_s267.00000°,δ26.00000°,λ105.00000°. Principal axes: T 5.0540,Plg69.0000° ,Azm326.0000°; N 0.0410,Plg7.0000°,Azm73.0000°; P -5.0980,Plg19.0000°,Azm166.0000° $M_0$5.07600×10^{16}
AEIC Event type se. hypocenter. manual.
ISC V 19 06 28 50.3–1.3 51.1N–.10 178.59E–.06 10 3.8b 51 1-60
IDC V 19 06 28 51.1–2.5 51.48N 178.93E 0 3.8L,3.5 **¶610690648**
NEIC V 19 06 28 53.2–2.2 51.2N–.10 178.66E–.08 16–9 3.8L,3.5
AEIC V 19 06 28 53.3–2.2 51.2N–.10 178.65E–.08 12–5 3.8b,3.2L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC V 21 03 53 16.4–.63 51.6N–.10 176.30E–.05 31 4.1b,3.5s 83 2-84
AEIC V 21 03 53 15.8–1.6 51.5N–.10 176.34E–.09 26–5 4.1b,3.5s **¶610646018**
NEIC V 21 03 53 16.3–1.7 51.6N–.10 176.36E–.09 30–3 4.2L,4.2b
IDC V 21 03 53 19.7–2.2 51.79N 176.42E 62–17 4.0,3.6b
ISC Event type se.
AEIC Event type se. Error ellipse: s-maj=16.3km s-min=7.0km az=197.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=16.1km s-min=7.0km az=197.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=20.4km s-min=11.4km az=174.0.
IDC V 23 03 03 19.1–22 51.23N 178.26E 0 3.2,3.2b
¶610685194
IDC Error ellipse: s-maj=438.7km s-min=76.2km az=86.0.
ISC V 23 22 14 00.6–.59 51.9N–.10 177.96E–.03 10 4.2b,3.5s 102 0-91
AEIC V 23 22 13 56.8–2.7 52.0N–.20 177.76E–.06 3–6 4.2b,3.5s **¶610650855**
NEIC V 23 22 13 58.5–1.6 51.7N–.10 177.91E–.06 4–7 4.2b,3.9L
IDC V 23 22 13 59.8–.78 52.02N 177.99E 0 3.9,3.9b
ISC Event type se.
AEIC Event type se. Error ellipse: s-maj=29.0km s-min=4.0km az=186.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=19.0km s-min=4.7km az=170.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=24.1km s-min=12.6km az=170.0.
IDC V 24 06 17 03.5–17 50.44N 178.77E 0 3.2,3.1b
¶610685276
IDC Error ellipse: s-maj=351.1km s-min=73.3km az=84.0.
NEIC V 29 21 40 40.3–1.4 51.84N–.06 178.3E–.20 136–6 3.9b,2.9L
AEIC V 29 21 40 40.7–2.3 52.0N–.10 178.3E–.10 126–5 3.9b,2.9L **¶611150916**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC V 30 12 44 44.1–1.1 52.1N–.20 176.16E–.07 33 3.6b 23 1-62
IDC V 30 12 44 38.9–1.8 51.88N 176.23E 0 3.3,3.3b **¶610656198**
NEIC V 30 12 44 39.6–1.7 51.9N–.20 175.9E–.20 110–24 3.4L,3.3b
AEIC V 30 12 44 41.9–1.3 52.1N–.30 175.9E–.20 90–9 3.4L,3.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VI 01 03 15 25.1–.82 52.0N–.20 178.32E–.05 122–7 3.4b 30 0-74
IDC VI 01 03 15 24.8–3.3 52.09N 178.40E 111–22 3.6,3.1b **¶610657933**
NEIC VI 01 03 15 25.6–.49 51.89N–.07 178.3E–.20 120–3 3.6,3.1b
AEIC VI 01 03 15 26.4–.68 51.90N–.07 178.5E–.20 111–4 3.1L,3.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC VI 03 19 14 13.7–1.5 51.8N–.10 178.4E–.10 118–4 3.8b,3.2L
AEIC VI 03 19 14 14.5–1.6 51.8N–.20 178.4E–.10 116–5 3.8b,3.2L **¶610661279**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VI 05 04 00 12.5–.56 51.10N–.06 179.57E–.03 42–3 4.6b,3.8s 517 0-150
IDC VI 05 04 00 06.6–.56 51.17N 179.59E 0 4.6L,4.3 **¶610661435**
NEIC VI 05 04 00 06.9–1.8 50.84N–.04 179.40E–.08 10–1 4.6b,4.2L
AEIC VI 05 04 00 09.5–2.3 50.97N–.04 179.48E–.09 7–4 4.6b,4.2L
MOS VI 05 04 00 10.9–.91 51.08N 179.55E 45 4.9b,4.2L
BJI VI 05 04 00 10.0–.00 51.21N 179.42E 37 5.0b,4.8b
ISC Event type se.
IDC Error ellipse: s-maj=18.6km s-min=11.3km az=171.0.
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=5.9km az=253.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=8.2km s-min=5.3km az=66.0. hypocenter. manual.
MOS Error ellipse: s-maj=9.5km s-min=6.9km az=98.1.
AEIC VI 14 01 53 22.6–3.7 51.7N–.20 178.4E–.10 98–6
NEIC VI 14 01 53 22.0–1.8 51.7N–.20 178.4E–.10 111–7 3.6b,3.0L **¶610673130**
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 21 19 20 27.6–.28 52.23N–.05 179.41E–.03 161–2 5.0b 1108 0-160
BJI VI 21 19 20 25.0–.00 52.23N 179.31E 154 5.1b,4.9b **¶610690710**
MOS VI 21 19 20 25.8–1.0 52.31N 179.46E 154 4.8b,4.9b
NEIC VI 21 19 20 27.5–2.0 52.18N–.09 179.42E–.08 159–4 5.0L,5.0b
IDC VI 21 19 20 27.8–.60 52.29N 179.41E 159–4 5.0,4.6b
AEIC VI 21 19 20 27.8–2.4 51.9N–.10 179.42E–.08 168–4 5.0,4.6b
GCMT VI 21 19 20 28.5–.30 52.09N–.03 179.61E–.03 151–2 5.0W,4.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s32,c36; s100,c143;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.86±.13 $M_{\theta\theta}$-2.67±.19; $M_{\phi\phi}$3.52±.15; $M_{r\theta}$1.16±.12; $M_{\theta\phi}$-0.19±.14; $M_{\phi r}$-2.38±.09; Best double couple: NP1:ϕ_s319.00000°,δ85.00000° ,λ-138.00000°. NP2:ϕ_s225.00000°,δ48.00000°,λ-7.00000°. Principal axes: T 4.6220,Plg24.0000°,Azm84.0000°; N -1.2510,Plg48.0000°,Azm325.0000° ; P -3.3800,Plg32.0000°,Azm191.0000° $M_0$4.00100×10^{16}
ISC VI 24 02 14 38.8–1.0 51.0N–.10 179.92E–.06 35 4.0b 46 1-85
IDC VI 24 02 14 32.0–1.8 51.00N 179.77W 0 4.2L,3.8 **¶610694351**
NEIC VI 24 02 14 40.0–2.0 51.1N–.20 179.89E–.07 34–8 3.7L,3.7b

AEIC VI 24 02 14 39.4–2.2 51.2N–.10 179.97E–.08 19–4 3.7L,3.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.

(7) Andreanof Islands.

ISC I 09 02 34 07.5–1.6 51.4N–.30 179.07W–.07 44 3.8b 52 1-47
IDC I 09 02 34 02.9–3.0 51.40N 179.05W 0 4.2L,3.5 **¶610236989**
AEIC I 09 02 34 05.3–2.0 51.3N–.20 179.1W–.10 12–8 4.2L,3.5
NEIC I 09 02 34 06.8–2.3 51.4N–.20 179.1W–.20 40–13 3.9b,3.5L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 09 09 36 36.6–.93 51.9N–.20 178.47W–.07 35 10 1-46
IDC I 09 09 36 31.8–1.9 51.52N 177.79W 0 3.1,3.0b **¶610237017**
AEIC I 09 09 36 36.0–2.6 51.42N–.07 178.28W–.07 43–9 3.3L,3.0b
NEIC I 09 09 36 35.9–.69 51.4N–.70 178.3W–.20 35–18 3.3L,3.0b
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 10 14 19 29.2–.39 50.29N–.06 173.57W–.04 35 4.5b,4.0s 620 2-148
IDC I 10 14 19 24.0–.62 50.26N 173.58W 0 4.3,4.3b **¶610448581**
MOS I 10 14 19 25.4–.82 50.31N 173.59W 19 4.7b,4.3b
NEIC I 10 14 19 27.8–1.2 50.34N–.08 173.60W–.09 21–5 4.5b,4.0L
AEIC I 10 14 19 29.2–1.4 50.24N–.08 173.53W–.08 11–3 4.5b,4.0L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
AEIC I 11 00 46 31.6–2.6 51.05N–.08 179.89W–.08 13–7
NEIC I 11 00 46 31.2–1.9 51.0N–.10 179.96W–.09 37–7 4.0b,3.3L **¶610570590**
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 11 19 42 48.1–.43 51.41N–.05 177.92W–.03 54–3 4.9b,4.1s 997 1-151
MOS I 11 19 42 45.3–1.0 51.42N 177.95W 41 5.0b,4.1s **¶610056676**
AEIC I 11 19 42 45.6–1.8 51.22N–.09 177.91W–.07 26–4 5.0b,4.1s
NEIC I 11 19 42 47.7–1.4 51.38N–.09 177.98W–.06 46–5 5.3L,5.0L
IDC I 11 19 42 48.0–1.3 51.47N 177.99W 52–10 4.6,4.3b
ISC Event type se.
MOS Error ellipse: s-maj=6.9km s-min=5.7km az=79.0.
AEIC Event type se. Error ellipse: s-maj=13.1km s-min=4.5km az=159.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=3.1km az=158.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=11.4km s-min=7.8km az=161.0.
ISC I 12 23 06 14.8–.62 51.2N–.10 178.03W–.04 34 4.0b,3.2s 121 1-151
IDC I 12 23 06 10.2–.74 51.42N 178.17W 0 4.0L,3.9 **¶610068610**
AEIC I 12 23 06 17.1–2.4 51.3N–.10 178.0W–.10 43–7 4.0L,3.9
NEIC I 12 23 06 19.1–2.1 51.5N–.20 178.1W–.10 60–10 4.0b,3.9L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 13 05 46 09.2–.47 52.44N–.10 176.25W–.05 200 4.5b 359 1-151
NEIC I 13 05 46 08.7–1.2 52.5N–.10 176.4W–.10 182–5 4.7b,4.3L **¶610068625**
AEIC I 13 05 46 09.7–2.8 52.2N–.20 176.3W–.10 191–6 4.7b,4.3L
IDC I 13 05 46 10.9–.78 52.61N 176.36W 211–6 4.4,3.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.3km s-min=9.4km az=151.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=23.7km s-min=10.4km az=163.0. hypocenter. manual.
IDC Error ellipse: s-maj=15.3km s-min=7.6km az=167.0.
ISC I 15 17 19 08.0–.82 51.9N–.10 173.31W–.06 50 3.8b 58 2-88
AEIC I 15 17 19 08.8–2.2 52.2N–.20 173.4W–.10 67–8 3.8b **¶610237448**
IDC I 15 17 19 08.4–.97 52.09N 173.46W 59–8 3.7,3.4b
NEIC I 15 17 19 09.2–1.9 52.1N–.20 173.3W–.10 72–25 3.8b,3.4L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 16 14 32 46.3–.99 51.6N–.20 173.24W–.06 37 3.8b 67 2-88
IDC I 16 14 32 41.0–1.5 51.70N 173.33W 0 3.8,3.8b **¶610237522**
AEIC I 16 14 32 44.8–1.4 51.5N–.20 173.3W–.10 22–7 3.8,3.8b
NEIC I 16 14 32 46.2–.91 51.7N–.20 173.23W–.10 31–9 3.9b,3.3L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 18 11 18 16.9–.48 51.34N–.07 179.62W–.03 60–2 5.1b,4.2s 931 1-151
BJI I 18 11 18 13.0–.00 51.31N 179.43W 54 5.3b,4.8b **¶611831607**
AEIC I 18 11 18 15.9–2.2 51.1N–.10 179.56W–.07 51–6 5.3b,4.8b
MOS I 18 11 18 15.5–.88 51.52N 179.51W 56 5.2b,4.8b
NEIC I 18 11 18 14.3–2.1 51.1N–.10 179.58W–.07 52–8 5.1b,4.6L
IDC I 18 11 18 16.8–1.9 51.47N 179.59W 56–15 4.6,4.3b
BGR I 18 11 18 24.7 52.75N 177.63E 33 5.3b,4.4s
ISC Event type se.
AEIC Event type se. Error ellipse: s-maj=17.3km s-min=6.4km az=186.0. hypocenter. manual.
MOS Error ellipse: s-maj=8.7km s-min=5.5km az=109.3.
NEIC Event type se. Error ellipse: s-maj=18.0km s-min=6.5km az=186.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=18.5km s-min=8.8km az=177.0.
BGR Event type ke.
ISC I 19 01 57 18.8–1.2 51.4N–.20 174.89W–.06 40 3.7b 28 1-62
IDC I 19 01 57 14.3–2.1 51.62N 174.96W 0 3.6,3.6L **¶610237699**
NEIC I 19 01 57 18.1–1.4 51.32N–.07 175.0W–.10 78–14 4.0b,3.5L
AEIC I 19 01 57 18.6–5.2 51.31N–.09 175.04W–.09 40–9 4.0b,3.5L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC I 22 14 44 06.3–.56 51.7N–.10 178.28W–.06 78 4.0b 211 1-151
NEIC I 22 14 44 05.2–2.3 51.5N–.20 178.4W–.20 78–12 4.2L,4.1b **¶610105248**
AEIC I 22 14 44 06.5–2.4 51.8N–.10 178.3W–.20 76–8 4.2L,4.1b
IDC I 22 14 44 06.4–.94 51.84N 178.41W 79–7 3.9,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=26.1km s-min=13.7km az=162.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=20.9km s-min=13.2km az=166.0. hypocenter. manual.
IDC Error ellipse: s-maj=20.4km s-min=13.3km az=156.0.
ISC I 22 18 03 06.5–1.4 52.0N–.20 173.37W–.07 35 3.7b 47 2-76
IDC I 22 18 03 03.2–2.8 52.26N 173.61W 0 3.7s,3.7b **¶610235128**
AEIC I 22 18 03 04.6–1.9 51.6N–.10 173.32W–.09 31–8 3.7b,3.1L
NEIC I 22 18 03 04.2–2.0 51.6N–.20 173.3W–.10 40–15 3.7b,3.1L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 23 22 07 15.5–3.0 51.8N–.40 177.7W–.10 35 10 0-46
AEIC I 23 22 07 11.7–2.8 51.9N–.60 177.87W–.08 9–10 2.8L **¶610130697**
NEIC I 23 22 07 12.1–.49 51.6N–.80 177.8W–.70 31–12 2.8L
IDC I 23 22 07 13.4–5.1 52.10N 177.67W 0 3.3,3.2b
ISC Event type se.
AEIC Event type se. Error ellipse: s-maj=91.7km s-min=3.6km az=175.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=133.0km s-min=8.3km az=154.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=106.9km s-min=40.1km az=15.0.
ISC I 23 22 41 54.9–.90 51.9N–.10 177.95W–.06 10 3.8b,3.4s 50 1-86
NEIC I 23 22 41 53.9–1.0 51.7N–.20 177.93W–.08 11–4 4.2b,3.3L **¶610130700**
AEIC I 23 22 41 53.9–1.3 51.9N–.20 177.91W–.08 5–6 4.2b,3.3L
IDC I 23 22 41 55.2–1.5 52.35N 178.32W 0 3.7,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=27.3km s-min=4.7km az=168.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=29.7km s-min=6.0km az=171.0. hypocenter. manual.
IDC Error ellipse: s-maj=39.0km s-min=27.5km az=158.0.
ISC I 23 23 11 19.2–.80 51.8N–.20 177.86W–.05 10 3.7b 18 0-86
AEIC I 23 23 11 17.5–2.3 51.9N–.20 177.89W–.07 5–7 3.7b **¶610130702**
NEIC I 23 23 11 17.2–.85 51.47N–.08 177.77W–.05 10–2 3.6L
IDC I 23 23 11 17.9–1.0 51.84N 177.84W 0 3.8,3.7L
ISC Event type se.
AEIC Event type se. Error ellipse: s-maj=29.1km s-min=6.2km az=174.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=13.6km s-min=3.3km az=339.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=30.3km s-min=19.5km az=161.0.
ISC I 23 23 16 11.8–.62 51.7N–.10 177.90W–.05 10 4.3b,3.7s 227 0-94
IDC I 23 23 16 09.7–.84 51.72N 177.90W 0 4.5L,3.9 **¶610105946**
MOS I 23 23 16 10.2–1.3 51.78N 177.94W 13 4.6b,3.9
AEIC I 23 23 16 10.7–1.7 51.9N–.20 177.9W–.10 4–6 4.6b,3.9
NEIC I 23 23 16 11.9–1.2 51.7N–.20 177.8W–.10 8–9 4.4b,3.9L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 23 23 42 38.7–.79 52.6N–.10 176.0W–.10 200 3.7b 76 0-57
IDC I 23 23 42 08.5–2.5 52.03N 177.49W 0 3.8,3.6b **¶610130703**
AEIC I 23 23 42 39.1–2.3 52.5N–.20 176.1W–.10 212–5 3.8,3.6b
NEIC I 23 23 42 39.4–2.2 52.5N–.20 176.1W–.20 218–6 4.0b,3.2L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 24 00 13 36.6–.81 51.9N–.20 177.89W–.06 10 3.3b 11 0-60
AEIC I 24 00 13 36.5–2.6 51.8N–.20 177.85W–.07 8–5 3.3b **¶610235230**
NEIC I 24 00 13 36.1–.49 51.5N–.10 177.76W–.08 15–7 3.4L
IDC I 24 00 13 42.3–2.3 52.15N 176.60W 0 3.2,3.2b
ISC Event type se.
AEIC Event type se. Error ellipse: s-maj=31.7km s-min=1.5km az=169.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=21.3km s-min=4.2km az=163.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=74.2km s-min=26.3km az=2.0.
ISC I 24 09 56 15.2–.52 51.78N–.09 177.89W–.04 10 4.4s,4.3b 297 0-121
AEIC I 24 09 56 13.4–2.1 51.9N–.10 177.88W–.05 5–4 4.4s,4.3b **¶610114192**
IDC I 24 09 56 14.4–.69 51.97N 177.87W 0 4.4L,4.2s
NEIC I 24 09 56 15.4–1.8 51.8N–.10 177.92W–.06 10–1 4.4b,3.9L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 24 10 25 34.1–.79 51.9N–.10 177.93W–.05 10 3.9b 55 0-121
AEIC I 24 10 25 34.3–2.1 51.8N–.20 177.88W–.06 7–2 3.9b **¶610570780**
NEIC I 24 10 25 34.2–1.9 51.8N–.20 177.91W–.06 9–6 4.1b,3.5L
IDC I 24 10 25 34.3–1.6 51.79N 177.71W 0 3.9s,3.5
ISC Event type se.
AEIC Event type se. Error ellipse: s-maj=24.9km s-min=4.9km az=174.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=22.0km s-min=3.9km az=171.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=40.9km s-min=27.6km az=156.0.
NEIC I 25 21 26 14.2–1.3 51.5N–.10 176.9W–.20 59–11 3.8b,3.7L
AEIC I 25 21 26 14.5–2.3 51.7N–.20 176.9W–.20 66–4 3.8b,3.7L **¶610121988**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC I 28 11 29 18.5–1.1 51.5N–.10 176.07W–.06 47 3.4b 20 0-61
IDC I 28 11 29 12.4–2.3 51.57N 176.24W 0 3.6L,3.5 **¶610235555**
AEIC I 28 11 29 16.4–.86 51.32N–.09 176.01W–.03 20–9 3.6L,3.5
NEIC I 28 11 29 17.9–.80 51.4N–.10 176.05W–.05 39–54 3.6L,3.5
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 31 19 44 59.5–4.0 52.0N–.30 178.9W–.30 150 26 1-23
AEIC I 31 19 44 59.8–2.1 52.0N–.30 179.0W–.20 150–9 **¶611148926**
NEIC I 31 19 44 59.1–1.6 51.7N–.40 178.8W–.40 162–16 3.9b,2.7L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 06 18 10 23.1–.65 51.2N–.10 178.18W–.07 35 4.0b,3.4s 211 1-151
IDC II 06 18 10 17.8–.81 51.28N 178.22W 0 4.1L,4.0 **¶610414987**
NEIC II 06 18 10 21.9–2.0 50.9N–.10 178.12W–.09 38–6 4.1b,3.9L
AEIC II 06 18 10 23.1–2.1 51.2N–.10 178.14W–.09 26–7 4.1b,3.9L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC II 07 17 18 34.9–.91 51.4N–.10 174.58W–.05 38 3.9b,3.6s 108 1-80
IDC II 07 17 18 31.0–1.3 51.73N 174.77W 0 3.8,3.8b **¶610198823**
NEIC II 07 17 18 34.8–1.5 51.2N–.10 174.56W–.04 58–17 3.9b,3.8L
AEIC II 07 17 18 34.3–2.2 51.3N–.10 174.51W–.08 25–6 3.9b,3.8L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC II 11 16 45 18.0–.61 51.2N–.10 177.99W–.05 35 4.0b,3.3s 303 1-151
AEIC II 11 16 45 17.4–2.3 51.2N–.10 178.03W–.08 26–6 4.3L,4.2b **¶610208201**
IDC II 11 16 45 17.6–4.3 51.28N 177.95W 27–28 4.2L,3.9
NEIC II 11 16 45 19.9–1.9 51.4N–.10 178.11W–.09 52–11 4.2L,3.9
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC II 12 15 01 08.8–1.1 52.7N–.10 174.8W–.20 171–9
NEIC II 12 15 01 08.4–1.4 52.7N–.50 174.9W–.30 178–23 3.8b,3.1L **¶611149001**
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 15 05 41 21.2–.96 51.4N–.20 177.75W–.07 45 3.8b 48 1-121
IDC II 15 05 41 15.0–1.3 51.41N 177.54W 0 3.8L,3.7 **¶610415544**
AEIC II 15 05 41 23.1–2.0 51.6N–.20 177.8W–.10 65–9 3.9b,3.8L
NEIC II 15 05 41 24.1–2.0 51.7N–.30 177.9W–.10 55–31 3.9b,3.8L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 15 15 28 16.3–.50 52.20N–.10 173.39W–.05 100 4.4b 416 2-118
NEIC II 15 15 28 16.7–2.0 52.3N–.10 173.40W–.10 100–7 5.0L,4.5L **¶610216921**
IDC II 15 15 28 17.1–2.4 52.39N 173.44W 99–21 4.0,3.6b
AEIC II 15 15 28 17.1–3.7 51.9N–.10 173.27W–.10 59–6 4.0,3.6b
ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
AEIC II 15 22 15 42.8–1.4 51.6N–.10 173.65W–.08 48–9
NEIC II 15 22 15 41.4–1.3 51.5N–.30 173.5W–.10 43–29 3.5b,2.8L **¶611149031**
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 16 04 00 13.1–1.7 51.7N–.40 176.5W–.10 60–17 3.4b 10 0-120
IDC II 16 04 00 04.6–1.9 51.16N 176.41W 0 3.4,3.4b **¶610415607**
AEIC II 16 04 00 12.8–1.0 51.6N–.20 176.2W–.10 45–9 3.5L,3.4b
NEIC II 16 04 00 15.3–1.4 51.7N–.30 176.44W–.06 47–14 3.5L,3.4b
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 17 09 34 41.9–.94 51.4N–.20 178.00W–.06 45 3.9b 75 1-121
IDC II 17 09 34 36.7–1.8 51.53N 177.93W 0 3.7L,3.6 **¶610415681**
AEIC II 17 09 34 42.0–2.2 51.29N–.08 177.94W–.08 38–7 3.7L,3.6
NEIC II 17 09 34 42.2–2.1 51.3N–.10 178.0W–.10 49–7 4.0b,3.6L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 17 09 49 07.7–.81 51.5N–.10 173.22W–.05 37 3.8b,3.3s 95 2-89
IDC II 17 09 49 03.1–.98 51.76N 173.36W 0 4.4L,3.9 **¶610415682**
NEIC II 17 09 49 05.1–1.8 51.1N–.10 173.1W–.10 46–21 4.0b,3.5L
AEIC II 17 09 49 06.3–3.4 51.5N–.20 173.2W–.10 8–7 4.0b,3.5L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC II 17 12 15 53.3–2.2 51.7N–.20 176.9W–.10 50–7 3.8b,3.4L
AEIC II 17 12 15 51.4–2.1 51.45N–.07 176.7W–.10 29–7 3.8b,3.4L **¶611149042**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC II 17 13 48 39.7–1.4 51.8N–.20 174.8W–.10 35 3.6b 57 3-56
NEIC II 17 13 48 08.0–2.8 49.0N–.40 175.7W–.60 15–9 4.0b,3.9L **¶611149044**
IDC II 17 13 48 35.4–1.8 52.20N 174.91W 0 4.3L,3.7
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=74.9km s-min=23.3km az=134.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=41.2km s-min=26.1km az=173.0.
NEIC II 19 00 22 46.3–1.1 52.8N–.20 173.6W–.20 188–12 3.6b,2.8L
AEIC II 19 00 22 45.4–2.2 52.6N–.30 173.5W–.20 217–9 3.6b,2.8L **¶611149051**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC II 19 06 41 49.6–1.2 51.8N–.20 173.32W–.06 35 3.7b,3.2s 26 2-86
IDC II 19 06 41 44.5–1.5 51.83N 173.34W 0 3.7,3.7b **¶610415801**
AEIC II 19 06 41 47.5–.92 51.5N–.20 173.3W–.10 5–8 3.5L,3.7b
NEIC II 19 06 41 48.1–.64 51.3N–.20 173.2W–.10 37–66 3.5L,3.7b
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 19 17 11 27.6–.88 52.6N–.10 172.21W–.06 150 3.5b 16 1-89
NEIC II 19 17 11 26.6–1.3 52.5N–.20 172.24W–.10 132–25 3.3L **¶610415828**
AEIC II 19 17 11 27.7–2.3 52.3N–.10 172.2W–.10 118–9 3.3L
IDC II 19 17 11 35.6–7.5 52.97N 172.38W 209–72 3.7,3.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=24.0km s-min=2.4km az=159.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=20.4km s-min=9.3km az=165.0. hypocenter. manual.
IDC Error ellipse: s-maj=44.4km s-min=16.5km az=169.0.
ISC II 21 12 32 56.3–.96 52.0N–.20 174.91W–.07 100 4.0b 97 1-119
IDC II 21 12 32 45.7–14 51.42N 174.40W 0 3.8L,3.5b **¶610384751**
AEIC II 21 12 32 54.8–4.3 51.6N–.20 174.38W–.08 32–7 3.8L,3.5b
NEIC II 21 12 32 57.5–2.2 52.0N–.20 175.06W–.09 123–9 3.9b,3.3L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 24 00 49 49.7–1.0 52.4N–.20 176.1W–.20 189–9 3.7b 55 0-57
NEIC II 24 00 49 48.5–1.3 52.1N–.30 176.2W–.30 201–3 4.2b,3.7L **¶610384909**
AEIC II 24 00 49 50.3–1.5 52.2N–.30 176.2W–.30 190–6 4.2b,3.7L
IDC II 24 00 50 00.3–12 53.01N 175.26W 245–92 3.9,3.7s
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=42.7km s-min=13.4km az=151.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=51.2km s-min=14.7km az=156.0. hypocenter. manual.
IDC Error ellipse: s-maj=85.6km s-min=33.0km az=58.0.
ISC II 24 19 26 49.0–.67 52.7N–.10 174.45W–.05 196–5 4.4b 458 2-88
IDC II 24 19 26 48.9–.91 52.77N 174.62W 194–7 4.0,3.4b **¶610240958**
NEIC II 24 19 26 49.5–1.6 52.8N–.20 174.5W–.10 192–8 4.5b,4.5L
AEIC II 24 19 26 50.0–4.7 52.4N–.10 174.4W–.10 201–6 4.5b,4.5L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC II 28 16 18 45.9–1.2 51.4N–.10 178.34W–.04 60–9 4.4b 326 1-151
MOS II 28 16 18 43.9–.88 51.45N 178.39W 54 4.6b **¶610241910**
NEIC II 28 16 18 43.6–2.0 51.3N–.10 178.36W–.06 35–1 4.5b,4.2L
AEIC II 28 16 18 44.7–2.0 51.4N–.10 178.32W–.07 47–5 4.5b,4.2L
IDC II 28 16 18 47.1–2.3 51.61N 178.40W 68–18 4.1,3.8b
ISC Event type se.
MOS Error ellipse: s-maj=8.5km s-min=7.4km az=78.4.
NEIC Event type se. Error ellipse: s-maj=17.8km s-min=4.9km az=165.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=16.1km s-min=4.7km az=165.0. hypocenter. manual.
IDC Error ellipse: s-maj=18.7km s-min=10.1km az=167.0.
NEIC III 01 00 38 55.2–1.4 51.7N–.20 177.6W–.10 34–7 3.9b,3.5L
AEIC III 01 00 38 55.6–1.9 51.6N–.20 177.5W–.10 28–7 3.9b,3.5L **¶610242095**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC III 01 10 39 48.6–.22 52.16N–.04 173.37W–.03 58–1 5.5b,4.2s 1538 0-160
BGR III 01 10 39 41.2 52.21N 172.69W 33 5.1b,4.1s **¶615815256**
BJI III 01 10 39 45.7–.00 52.49N 173.22W 55 5.1b,5.0b
MOS III 01 10 39 46.7–1.0 52.25N 173.39W 53 5.2b,4.3s
NEIC III 01 10 39 48.4 51.97N 173.36W 60 5.2b,4.3s
IDC III 01 10 39 48.5–.29 52.20N 173.43W 57–2 5.0,4.7b
NEIC III 01 10 39 48.5–1.9 52.17N–.09 173.37W–.08 52–4 5.6L,5.5b
NEIC III 01 10 39 48.5 52.12N 173.36W 53 5.6L,5.5b
NEIC III 01 10 39 48.4 52.17N 173.36W 60 5.6L,5.5b
AEIC III 01 10 39 49.2–2.3 52.12N–.06 173.32W–.08 63–4 5.6L,5.5b
GCMT III 01 10 39 50.5–.10 52.12N–.01 173.21W–.02 58–0 5.2W,5.5b
ISC Event type ke. Moment Tensor Solution. NP1:ϕ_s240.63532°,δ45.19231°,λ76.37658°. NP2: ϕ_s79.61353°,δ46.40828°,λ103.33993°. Principal axes: T Plg80.3601°,Azm66.5916° ; N Plg9.6198°,Azm250.3277°; P Plg0.6164°,Azm160.2233°
BGR Event type ke.
NEIC Event type se. Moment Tensor Solution.Duration: 2s1 Moment tensor: Scale 10^{16}Nm; M_{rr}7.13 $M_{\theta\theta}$-6.58 $M_{\phi\phi}$-0.55 $M_{r\theta}$1.16 $M_{\theta\phi}$-1.64 $M_{\phi r}$1.94 NP1:ϕ_s64.15000°,δ52.55000° ,λ75.73000°. NP2:ϕ_s266.84000°,δ39.70000°,λ107.84000°. Principal axes: T 7.6309,Plg77.0000°,Azm284.0000°; N -0.4491,Plg11.0000°,Azm73.0000° ; P -7.1818,Plg7.0000°,Azm164.0000° $M_0$7.41000×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}8.95 $M_{\theta\theta}$-8.45 $M_{\phi\phi}$-0.50 $M_{r\theta}$1.34 $M_{\theta\phi}$-1.25 $M_{\phi r}$0.99 NP1:ϕ_s265.88000°,δ40.43000°,λ97.11000°. NP2:ϕ_s76.57000°,δ49.94000° ,λ83.98000°. Principal axes: T 9.1349,Plg83.0000°,Azm307.0000°; N -0.3742,Plg5.0000° ,Azm80.0000°; P -8.7607,Plg5.0000°,Azm171.0000° $M_0$8.95000×10^{16}
NEIC Event type se.
NEIC Event type se.
AEIC Event type se. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s113,c172; s134,c224;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.81±.02 $M_{\theta\theta}$-0.69±.01; $M_{\phi\phi}$-0.11±.01; $M_{r\theta}$0.07±.01; $M_{\theta\phi}$-0.32±.01; $M_{\phi r}$0.19±.01; Best double couple: NP1:ϕ_s56.00000°,δ51.00000°,λ77.00000°. NP2:ϕ_s256.00000°,δ41.00000°,λ105.00000°. Principal axes: T 0.8510,Plg79.0000° ,Azm270.0000°; N 0.0010,Plg10.0000°,Azm64.0000°; P -0.8520,Plg5.0000°,Azm155.0000° $M_0$0.85200×10^{17}
ISC III 01 15 08 01.4–.46 51.67N–.06 175.27W–.03 44–3 4.8b,3.7s 729 1-158
MOS III 01 15 08 00.4–.97 51.74N 175.27W 48 4.8b,3.7s **¶611831923**
BJI III 01 15 08 01.4–.00 52.39N 175.66W 47 5.0b,4.8b
IDC III 01 15 08 01.7–1.7 51.71N 175.27W 42–14 4.4L,4.3
AEIC III 01 15 08 01.9–1.5 51.8N–.10 175.37W–.04 56–5 4.4L,4.3
NEIC III 01 15 08 02.6–1.4 51.8N–.10 175.35W–.06 53–6 4.9b,4.7L
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s252.48375°,δ41.94246°,λ90.97788°. NP2: ϕ_s71.16918°,δ48.06504°,λ89.12141°. Principal axes: T Plg86.8694°,Azm329.7177° ; N Plg0.6536°,Azm71.7564°; P Plg3.0615°,Azm161.7913°
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 01 17 38 09.6–.62 51.3N–.10 174.44W–.04 10 4.2b,3.5s 113 1-95
NEIC III 01 17 38 04.8–2.6 50.64N–.10 174.4W–.10 10–1 4.1b,3.9L **¶610243155**
IDC III 01 17 38 09.6–.84 51.56N 174.63W 0 4.1L,3.9
AEIC III 01 17 38 12.2–4.4 51.4N–.10 174.57W–.09 3–4 4.1L,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC III 03 11 16 40.6–1.2 51.6N–.10 176.12W–.10 51–2 3.7b,3.3L
AEIC III 03 11 16 40.5–1.8 51.7N–.10 176.0W–.10 49–6 3.7b,3.3L **¶610244816**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC III 06 14 38 44.8–1.1 51.2N–.20 178.30W–.08 35 3.4b 14 1-121
NEIC III 06 14 38 19.5–1.3 51N–1.0 178.9E–.80 29–23 3.4b **¶610246849**
IDC III 06 14 38 39.7–1.4 51.16N 178.31W 0 3.9L,3.5
AEIC III 06 14 38 46.2–1.6 51.4N–.40 178.2W–.50 18–9 3.5L,3.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC III 07 03 29 20.4–1.7 51.3N–.20 174.34W–.05 38 3.9b 47 1-62
AEIC III 07 03 29 19.9–2.2 51.3N–.20 174.39W–.08 12–9 3.9b **¶610271534**
NEIC III 07 03 29 22.1–1.3 51.4N–.10 174.38W–.06 57–20 3.8b,3.3L
IDC III 07 03 29 23.7–2.5 52.56N 175.20W 0 3.9L,3.8b
ISC Event type se.
AEIC Event type se. Error ellipse: s-maj=25.7km s-min=7.5km az=182.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=20.0km s-min=4.5km az=172.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=67.9km s-min=33.1km az=6.0.
ISC III 10 11 11 06.1–.41 51.29N–.06 177.31W–.04 45 4.6b,3.4s 656 1-120
AEIC III 10 11 11 05.0–3.0 51.11N–.06 177.3W–.10 26–2 4.6b,3.4s **¶610317014**
MOS III 10 11 11 06.6–.99 51.42N 177.29W 61 4.8b,3.4s
BJI III 10 11 11 06.1–.00 51.50N 177.49W 54 4.9b,4.6b
NEIC III 10 11 11 08.1–1.9 51.40N–.04 177.38W–.10 61–6 4.6b,4.4L
IDC III 10 11 11 09.7–2.3 51.34N 177.43W 75–20 4.3,4.0b
ISC Event type se.
AEIC Event type se. Error ellipse: s-maj=9.6km s-min=7.8km az=123.0. hypocenter. manual.
MOS Error ellipse: s-maj=8.2km s-min=5.9km az=84.9.
NEIC Event type se. Error ellipse: s-maj=8.7km s-min=6.1km az=95.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=15.0km s-min=10.0km az=176.0.
AEIC III 11 21 28 41.0–1.3 52.1N–.40 178.6W–.10 163–8 3.6b,2.8L
NEIC III 11 21 28 40.7–1.3 52.5N–.50 178.7W–.20 128–50 3.6b,2.8L **¶611149219**
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC III 11 23 30 57.6–3.6 52.3N–.20 175.7W–.20 221–6
NEIC III 11 23 30 57.5–2.7 52.9N–.30 175.7W–.10 215–17 3.7b,3.1L **¶611149221**
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 22 01 47 18.6–.73 51.5N–.10 176.60W–.05 47 3.8b 88 0-152
IDC III 22 01 47 11.4–.88 51.35N 176.46W 0 3.7,3.6b **¶610415922**
NEIC III 22 01 47 18.8–1.9 51.51N–.06 176.6W–.10 47–6 3.9L,3.9b
AEIC III 22 01 47 18.4–1.9 51.49N–.05 176.6W–.10 40–7 3.9L,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC III 22 17 22 53.7–.87 53.0N–.20 174.74W–.07 200 30 1-43
IDC III 22 17 22 31.6–3.4 51.95N 174.15W 0 3.3,3.3b **¶610424470**
NEIC III 22 17 22 49.2–1.9 54.15N–.10 175.2W–.10 16–7 3.5b,3.4L
AEIC III 22 17 22 54.5–2.3 52.6N–.40 174.7W–.20 219–8 3.5b,3.4L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC III 24 20 28 59.5–1.0 52.1N–.30 179.6W–.20 65–43 3.9b,3.5L
AEIC III 24 20 29 00.6–2.7 51.7N–.20 179.5W–.20 92–7 3.9b,3.5L **¶611149333**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC III 25 19 35 10.7–.92 52.7N–.20 173.05W–.08 200 3.1b 35 2-55
IDC III 25 19 34 36.1–12 52.28N 175.83W 0 4.4L,3.5 **¶610543663**
AEIC III 25 19 35 10.9–2.0 52.6N–.30 173.0W–.20 219–9 4.4L,3.5
NEIC III 25 19 35 11.3–2.7 52.8N–.40 173.1W–.20 184–23 3.9b,3.5L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 26 20 35 34.1–.89 53.0N–.10 173.73W–.07 200 31 2-31
AEIC III 26 20 35 34.8–3.0 53.4N–.10 173.9W–.10 177–8 3.9b,3.3L **¶611149346**
NEIC III 26 20 35 34.3–3.0 53.3N–.10 173.9W–.10 170–9 3.9b,3.3L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 26 22 59 19.7–.90 52.7N–.20 174.2W–.10 200 3.3b 45 1-56
IDC III 26 22 58 43.2–14 52.09N 177.30W 0 3.4,3.4b **¶610436993**
AEIC III 26 22 59 19.9–2.4 52.4N–.30 174.7W–.40 219–9 3.4,3.4b
NEIC III 26 22 59 19.6–2.1 52.4N–.20 174.3W–.50 222–24 3.9b,3.0L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC III 27 09 53 46.1–2.5 51.2N–.50 179.3W–.20 29–35 2.8L
AEIC III 27 09 53 45.7–2.3 51.1N–.30 179.4W–.20 33–9 2.8L **¶611149356**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.

ISC III 29 20 40 31.6–.59 52.7N–.10 174.76W–.06 200 4.1b 232 1-88
AEIC III 29 20 40 32.8–2.5 52.4N–.20 174.8W–.10 224–7 4.1b ¶610448715
IDC III 29 20 40 33.4–4.7 52.85N 174.93W 222–45 3.9,3.2b
NEIC III 29 20 40 33.0–1.4 52.8N–.20 174.7W–.20 195–13 4.3b,3.7L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC III 29 20 52 51.8–3.9 50.48N 178.23W 0 3.6,3.6L
¶610543955
IDC Error ellipse: s-maj=114.6km s-min=33.8km az=177.0.
ISC IV 03 07 33 11.9–.84 51.7N–.10 172.67W–.06 50 3.8b 64 2-118
IDC IV 03 07 33 11.8–6.0 51.94N 172.83W 50–54 3.6,3.4b ¶610651811
NEIC IV 03 07 33 12.5–1.9 51.9N–.10 172.64W–.08 41–12 3.7b,3.3L
AEIC IV 03 07 33 14.4–2.7 51.9N–.10 172.8W–.10 45–8 3.7b,3.3L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC IV 04 09 50 49.4–1.2 51.20N–.08 176.3W–.20 10–2 3.9b,2.9L
AEIC IV 04 09 50 52.1–.94 51.3N–.10 176.5W–.20 23–8 3.9b,2.9L ¶611149418
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC IV 04 09 53 17.0–2.3 51.31N–.06 175.99W–.07 10–2 3.9b,3.0L
AEIC IV 04 09 53 20.4–2.9 51.3N–.10 176.4W–.20 42–9 3.9b,3.0L ¶611149419
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC IV 04 10 49 08.2–.42 51.31N–.05 176.44W–.03 45–2 5.2b,4.4s 1274 1-157
NEIC IV 04 10 49 05.9 51.24N 176.49W 23 5.2b,4.4s ¶610478108
MOS IV 04 10 49 06.9–.98 51.46N 176.46W 45 5.3b,4.4s
NEIC IV 04 10 49 06.1–1.7 51.27N–.08 176.44W–.08 27–3 5.3b,5.2L
GCMT IV 04 10 49 06.1–.20 51.23N–.01 176.36W–.03 18–0 5.2W,5.2L
BJI IV 04 10 49 06.7–.00 51.83N 176.75W 34 5.3b,5.2b
AEIC IV 04 10 49 07.2–1.7 51.39N–.08 176.40W–.09 55–4 5.3b,5.2b
IDC IV 04 10 49 07.6–2.1 51.43N 176.51W 36–16 4.7,4.5b
NEIC IV 04 10 49 08.7 51.33N 176.50W 24 4.7,4.5b
NEIC IV 04 10 49 08.7 50.63N 176.50W 24 4.7,4.5b
ISC Event type se.
NEIC Event type se.
MOS Error ellipse: s-maj=6.8km s-min=6.3km az=72.3.
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=6.9km az=177.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}3.10 $M_{\theta\theta}$-2.57 $M_{\phi\phi}$-0.53 $M_{r\theta}$1.69 $M_{\theta\phi}$-0.69 $M_{\phi r}$-0.52 NP1:ϕ_s88.19000°,δ59.94000°,λ104.01000°. NP2:ϕ_s241.71000°,δ32.89000°,λ67.30000°. Principal axes: T 3.6777,Plg71.0000°,Azm31.0000°; N -0.5336,Plg12.0000°,Azm261.0000°; P -3.1440,Plg14.0000°,Azm168.0000° $M_0$3.44000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s69,c88; s107,c167;Duration: 1^{s}0 Moment tensor: Scale 10^{16}Nm; M_{rr}4.21±.19 $M_{\theta\theta}$-4.27±.14; $M_{\phi\phi}$0.05±.12; $M_{r\theta}$5.72±.43; $M_{\theta\phi}$-1.24±.09; $M_{\phi r}$1.72±.34; Best double couple: NP1:ϕ_s74.00000°,δ72.00000°,λ89.00000°. NP2:ϕ_s257.00000°,δ18.00000°,λ93.00000°. Principal axes: T 7.2280,Plg63.0000°,Azm342.0000°; N 0.3820,Plg1.0000°,Azm74.0000°; P -7.6150,Plg27.0000°,Azm164.0000° $M_0$7.42200×10^{16}
AEIC Event type se. Error ellipse: s-maj=10.9km s-min=7.9km az=174.0. hypocenter. manual.
IDC Error ellipse: s-maj=14.2km s-min=8.1km az=162.0.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 1^{s}6 Moment tensor: Scale 10^{16}Nm; M_{rr}3.88 $M_{\theta\theta}$-3.66 $M_{\phi\phi}$-0.21 $M_{r\theta}$3.51 $M_{\theta\phi}$-0.49 $M_{\phi r}$1.52 NP1:ϕ_s71.51000°,δ67.73000°,λ82.28000°. NP2:ϕ_s271.20000°,δ23.51000°,λ108.17000°. Principal axes: T 5.5242,Plg66.0000°,Azm328.0000°; N -0.2736,Plg7.0000°,Azm74.0000°; P -5.2506,Plg22.0000°,Azm167.0000° $M_0$5.39000×10^{16}
NEIC IV 04 10 51 55.6–.32 50.6N–.10 176.27W–.06 10–2 2.6L
AEIC IV 04 10 52 07.4–6.9 51.3N–.10 176.4W–.10 22–9 2.6L ¶611149421
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC IV 04 10 56 04.4–1.2 51.3N–.10 176.44W–.08 47 3.9b 34 1-69
NEIC IV 04 10 55 58.7–1.9 51.02N–.05 176.4W–.10 10–6 4.0b,3.2L ¶610651905
AEIC IV 04 10 56 05.9–3.3 51.40N–.08 176.46W–.08 52–7 4.0b,3.2L
IDC IV 04 10 56 09.6–6.0 51.25N 174.50W 0 3.8,3.8L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=5.9km az=74.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=11.5km s-min=6.7km az=167.0. hypocenter. manual.
IDC Error ellipse: s-maj=108.0km s-min=53.9km az=81.0.
NEIC IV 04 10 58 09.5–1.7 51.5N–.10 176.4W–.20 20–5 4.0b,3.2L
AEIC IV 04 10 58 09.1–1.6 51.27N–.10 176.5W–.20 21–7 4.0b,3.2L ¶611149423
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC IV 04 11 06 50.0–2.1 51.0N–.10 176.7W–.10 10–2 3.8b,2.9L
AEIC IV 04 11 06 54.8–2.1 51.2N–.10 176.4W–.30 16–10 3.8b,2.9L ¶611149424
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC IV 04 11 16 06.3–.82 51.1N–.10 176.38W–.06 35 3.9b 63 1-120
NEIC IV 04 11 16 02.3–2.0 51.00N–.03 176.4W–.10 10–1 4.0b,3.4L ¶610651908
AEIC IV 04 11 16 06.2–1.8 51.21N–.08 176.38W–.10 26–6 4.0b,3.4L
IDC IV 04 11 16 10.9–3.9 51.11N 176.59W 75–33 3.7,3.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=3.0km az=247.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=12.8km s-min=7.2km az=149.0. hypocenter. manual.
IDC Error ellipse: s-maj=37.4km s-min=15.2km az=174.0.
ISC IV 04 12 42 24.1–.46 51.28N–.05 176.41W–.03 33–2 5.2b,4.2s 1265 1-157
IDC IV 04 12 42 19.3–.49 51.34N 176.43W 0 4.7,4.7b ¶610482610
MOS IV 04 12 42 21.0–1.1 51.28N 176.39W 23 5.2b,4.7b
BJI IV 04 12 42 23.5–.00 51.61N 176.66W 36 5.3b,5.2b
AEIC IV 04 12 42 23.7–1.6 51.23N–.07 176.33W–.07 27–2 5.3b,5.2b
NEIC IV 04 12 42 23.0–1.4 51.26N–.07 176.41W–.09 24–3 5.2b,5.0
GCMT IV 04 12 42 24.0–.30 51.23N–.02 176.19W–.04 20–1 5.0W,5.0
NEIC IV 04 12 42 26 50.71N 176.29W 22 5.0W,5.0
NEIC IV 04 12 42 26 51.41N 176.45W 22 5.0W,5.0
ISC Event type se.
IDC Error ellipse: s-maj=17.4km s-min=10.0km az=166.0.
MOS Error ellipse: s-maj=6.0km s-min=4.3km az=102.2.
AEIC Event type se. Error ellipse: s-maj=10.3km s-min=6.7km az=173.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=8.2km az=186.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s39,c48; s81,c112;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.23±.20 $M_{\theta\theta}$-3.10±.14; $M_{\phi\phi}$-0.13±.13; $M_{r\theta}$1.98±.24; $M_{\theta\phi}$-1.14±.08; $M_{\phi r}$1.22±.27; Best double couple: NP1:ϕ_s64.00000°,δ62.00000°,λ83.00000°. NP2:ϕ_s259.00000°,δ28.00000°,λ104.00000°. Principal axes: T 3.9890,Plg72.0000°,Azm317.0000°; N 0.1900,Plg7.0000°,Azm67.0000°; P -4.1870,Plg17.0000°,Azm159.0000° $M_0$4.08800×10^{16}
NEIC Event type se. Moment Tensor Solution.Duration: 1^{s}3 Moment tensor: Scale 10^{16}Nm; M_{rr}2.37 $M_{\theta\theta}$-2.24 $M_{\phi\phi}$-0.12 $M_{r\theta}$2.15 $M_{\theta\phi}$-0.24 $M_{\phi r}$1.19 NP1:ϕ_s68.08000°,δ68.65000°,λ79.14000°. NP2:ϕ_s275.87000°,δ23.84000°,λ115.74000°. Principal axes: T 3.5069,Plg65.0000°,Azm320.0000°; N -0.2710,Plg10.0000°,Azm72.0000°; P -3.2359,Plg23.0000°,Azm166.0000° $M_0$3.37000×10^{16}
NEIC Event type se.
NEIC IV 04 12 53 30.2–1.6 51.2N–.10 176.3W–.10 10–2 3.9b,3.0L
AEIC IV 04 12 53 34.6–1.6 51.3N–.10 176.4W–.20 22–9 3.9b,3.0L ¶611149429
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC IV 04 13 11 16.8–.59 51.1N–.10 176.44W–.05 10 4.7b 216 1-120
IDC IV 04 13 11 15.5–.81 51.32N 176.43W 0 4.0,3.9b ¶610651918
NEIC IV 04 13 11 17.5–2.2 51.23N–.08 176.5W–.10 10–1 4.0,3.9b
AEIC IV 04 13 11 21.2–1.9 51.30N–.09 176.4W–.10 30–5 4.6b,3.4L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC IV 04 14 13 18.1–1.2 51.2N–.20 176.45W–.07 35 4.0b 52 1-65
AEIC IV 04 14 13 16.5–1.6 51.17N–.09 176.3W–.20 20–8 4.0b,2.9L ¶611149431
NEIC IV 04 14 13 19.6–1.7 51.4N–.10 176.39W–.07 39–15 4.0b,2.9L
IDC IV 04 14 13 23.9–7.1 51.30N 176.49W 88–61 4.2s,3.8
ISC Event type se.
AEIC Event type se. Error ellipse: s-maj=18.0km s-min=6.3km az=47.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=15.1km s-min=6.2km az=172.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=71.1km s-min=19.4km az=179.0.
ISC IV 04 15 20 47.2–.56 51.16N–.10 176.34W–.04 35 4.7b 227 1-120
NEIC IV 04 15 20 44.2–1.9 51.25N–.08 176.39W–.10 10–1 4.8b,4.1L ¶610482624
AEIC IV 04 15 20 47.2–1.7 51.30N–.08 176.42W–.09 41–6 4.8b,4.1L
IDC IV 04 15 20 54.3–3.0 51.35N 176.46W 101–26 4.1,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.1km s-min=10.3km az=188.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=12.1km s-min=8.5km az=187.0. hypocenter. manual.
IDC Error ellipse: s-maj=26.3km s-min=11.3km az=171.0.
ISC IV 04 15 53 17.9–.64 51.2N–.10 176.41W–.05 35 4.2b 130 1-120
IDC IV 04 15 53 13.3–.86 51.45N 176.42W 0 4.0,4.0b ¶610651930
AEIC IV 04 15 53 15.2–2.0 51.08N–.07 176.3W–.10 11–4 4.3b,3.9L
NEIC IV 04 15 53 18.1–1.7 51.2N–.10 176.4W–.10 34–7 4.3b,3.9L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 04 22 08 41.4–.33 51.23N–.04 176.38W–.03 23–1 5.5b,5.2s 1937 1-160
BJI IV 04 22 08 36.7–.00 51.32N 176.42W 10 5.5b,5.5s ¶610483613
IDC IV 04 22 08 37.5–.37 51.32N 176.32W 0 5.0s,5.0
BGR IV 04 22 08 38.8 50.53N 178.65W 33 5.2b,5.0s
NEIC IV 04 22 08 40.2 51.29N 176.41W 24 5.2b,5.0s
NEIC IV 04 22 08 40.6–1.6 51.19N–.06 176.38W–.09 17–1 5.6,5.6L
NEIC IV 04 22 08 40.4 51.28N 176.40W 13 5.6,5.6L
AEIC IV 04 22 08 40.7–2.0 51.14N–.05 176.27W–.08 20–2 5.6,5.6L
NEIC IV 04 22 08 40.2 51.29N 176.41W 24 5.6,5.6L
MOS IV 04 22 08 42.0–.89 51.42N 176.38W 19 5.6b,5.1s
GCMT IV 04 22 08 42.6–.10 51.23N–.01 176.24W–.01 19–0 5.7W,5.1s
ISC Event type ke.
BGR Event type ke.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}2.08 $M_{\theta\theta}$-1.94 $M_{\phi\phi}$-0.14 $M_{r\theta}$0.29 $M_{\theta\phi}$-0.38 $M_{\phi r}$-0.24 NP1:ϕ_s86.08000°,δ48.84000°,λ100.10000°. NP2:ϕ_s250.93000°,δ42.16000°,λ78.66000°. Principal axes: T 2.1323,Plg82.0000°,Azm55.0000°; N -0.1043,Plg8.0000°,Azm259.0000°; P -2.0281,Plg3.0000°,Azm169.0000° $M_0$2.08000×10^{17}
NEIC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution.Duration: 3^{s}1 Moment tensor: Scale 10^{17}Nm; M_{rr}2.95 $M_{\theta\theta}$-3.04 $M_{\phi\phi}$0.09 $M_{r\theta}$0.34 $M_{\theta\phi}$-0.39 $M_{\phi r}$-0.15 NP1:ϕ_s86.84000°,δ48.10000°,λ95.05000°. NP2:ϕ_s259.31000°,δ42.15000°,λ84.40000°. Principal axes: T 2.9818,Plg85.0000°,Azm45.0000°; N 0.1255,Plg4.0000°,Azm263.0000°; P -3.1073,Plg3.0000°,Azm173.0000° $M_0$3.04000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s146,c277; s152,c316;Duration: 1^{s}7 Moment tensor: Scale 10^{17}Nm; M_{rr}3.39±.05 $M_{\theta\theta}$-3.33±.04; $M_{\phi\phi}$-0.06±.03; $M_{r\theta}$1.71±.08; $M_{\theta\phi}$-0.93±.03; $M_{\phi r}$-0.22±.09; Best double couple: NP1:ϕ_s85.00000°,δ58.00000°,λ101.00000°. NP2:ϕ_s245.00000°,δ33.00000°,λ73.00000°. Principal axes: T 3.8480,Plg74.0000°,Azm25.0000°; N 0.0800,Plg9.0000°,Azm259.0000°; P -3.9290,Plg12.0000°,Azm167.0000° $M_0$3.88900×10^{17}
NEIC IV 04 22 44 40.7–1.4 51.03N–.05 176.4W–.10 10–2 3.8b,3.2L
AEIC IV 04 22 44 44.8–2.0 51.21N–.07 176.3W–.10 38–8 3.8b,3.2L ¶610518528
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC IV 04 22 46 14.4–1.9 50.98N–.05 176.4W–.10 10–2 4.0b,3.2L
AEIC IV 04 22 46 19.4–1.7 51.28N–.09 176.4W–.10 42–6 4.0b,3.2L ¶610483615
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC IV 05 00 02 58.7–.53 51.18N–.08 176.29W–.04 10 4.2b,3.4s 156 1-120
NEIC IV 05 00 02 57.9–1.9 51.08N–.05 176.33W–.07 10–1 4.3L,4.3b ¶610483634
IDC IV 05 00 02 58.5–.91 51.53N 176.36W 0 4.1,4.1b
AEIC IV 05 00 02 59.9–1.9 51.06N–.06 176.29W–.09 14–3 4.1,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC IV 05 00 39 45.1–1.1 51.2N–.20 172.47W–.07 35 3.7b 53 2-55
IDC IV 05 00 39 40.1–2.4 50.90N 172.28W 0 3.8L,3.6 ¶610651951
NEIC IV 05 00 39 41.6–1.9 51.13N–.07 172.53W–.10 10–2 4.0b,3.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 05 01 28 06.6–2.6 51.3N–.20 176.1W–.10 35 3.8b 30 1-45
IDC IV 05 01 28 01.1–3.3 51.38N 176.59W 0 4.2L,3.5 ¶610651955
NEIC IV 05 01 28 02.5–2.0 51.17N–.07 176.2W–.20 10–2 3.9b,3.5L
AEIC IV 05 01 28 10.8–2.6 51.6N–.10 176.2W–.10 41–9 3.9b,3.5L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC IV 05 02 38 16.5–3.8 51.3N–.30 176.5W–.10 35 3.9b 23 1-22
NEIC IV 05 02 38 14.5–2.2 51.20N–.06 176.4W–.20 10–2 3.9b,3.2L ¶611149445
AEIC IV 05 02 38 17.1–3.0 51.4N–.10 176.4W–.20 51–9 3.9b,3.2L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC IV 05 06 19 24.5–2.5 51.07N–.04 176.28W–.08 10–1 4.4b,3.5L
AEIC IV 05 06 19 26.4–2.8 51.2N–.10 176.3W–.10 20–6 4.4b,3.5L ¶611149449
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
AEIC IV 05 06 31 03.2–.81 51.21N–.09 176.3W–.10 21–8
NEIC IV 05 06 31 01.0–1.0 51.14N–.04 176.14W–.09 10–2 3.7b,2.8L ¶610502362
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC IV 05 06 54 56.5–2.1 51.2N–.10 176.29W–.07 17–8
NEIC IV 05 06 54 53.9–1.6 51.10N–.08 176.2W–.10 10–2 3.9b,2.9L ¶611149451
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 05 06 56 57.6–.66 51.3N–.10 176.34W–.05 35 4.1b 74 1-152
NEIC IV 05 06 56 53.9–2.2 51.05N–.07 176.3W–.10 10–2 4.1b,3.9L ¶610502363
IDC IV 05 06 56 53.5–.83 51.58N 176.41W 0 4.0,3.9b

AEIC IV 05 06 56 55.9–2.6 51.1N–.20 176.3W–.10 26–9 4.0,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC IV 05 07 08 53.7–1.3 51.3N–.20 176.46W–.10 35 3.7b 27 1-61
IDC IV 05 07 08 46.0–3.0 50.83N 176.63W 0 4.4L,3.5 **¶610651979**
NEIC IV 05 07 08 48.5–1.1 51.04N–.08 176.2W–.20 10–11 3.8b,3.1L
AEIC IV 05 07 08 51.9–1.5 51.2N–.10 176.3W–.20 28–9 3.8b,3.1L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC IV 05 07 52 08.4–1.5 51.3N–.20 176.40W–.09 35 4.0b 53 1-62
IDC IV 05 07 52 01.4–2.7 51.02N 176.56W 0 4.8L,3.7 **¶610651983**
NEIC IV 05 07 52 05.5–1.6 51.14N–.06 176.2W–.10 10–2 4.0b,3.3L
AEIC IV 05 07 52 06.5–1.7 51.1N–.20 176.2W–.10 26–9 4.0b,3.3L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC IV 05 07 54 27.4–1.9 51.1N–.20 176.20W–.06 28 17 1-25
NEIC IV 05 07 54 25.7–1.7 51.09N–.04 176.19W–.09 10–2 3.9b,3.6L **¶610651984**
AEIC IV 05 07 54 28.3–1.8 51.2N–.10 176.30W–.08 17–7 3.9b,3.6L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC IV 05 07 55 24.2–1.3 51.2N–.10 176.35W–.07 35 3.9b 31 1-62
IDC IV 05 07 55 20.5–1.8 51.33N 176.63W 0 4.4L,3.7 **¶611149452**
NEIC IV 05 07 55 22.4–2.0 51.19N–.07 176.2W–.20 10–2 3.9b,3.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 06 22 12 58.2–1.6 51.2N–.10 176.28W–.10 10 3.4b,3.0s 13 1-61
NEIC IV 06 22 12 58.7–.71 51.16N–.02 176.34W–.07 10–2 3.4b,3.0s **¶610518276**
AEIC IV 06 22 13 00.2–3.3 51.24N–.05 176.4W–.10 18–8 3.7L,3.0s
IDC IV 06 22 13 08.9–1.9 51.31N 173.78W 0 3.7,3.6L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=7.2km s-min=3.2km az=262.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=10.1km s-min=7.3km az=85.0. hypocenter. manual.
IDC Error ellipse: s-maj=54.0km s-min=24.3km az=4.0.
ISC IV 08 01 56 52.8–1.9 51.0N–.30 179.06W–.08 10 3.7b 25 1-85
NEIC IV 08 01 56 51.1–1.1 50.7N–.10 179.06W–.05 10–2 3.6b,3.5L **¶610652196**
IDC IV 08 01 56 52.4–2.6 51.33N 179.11W 0 3.7,3.6b
AEIC IV 08 01 56 54.8–1.9 51.0N–.20 179.03W–.08 15–9 3.7,3.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC IV 08 19 09 03.1–.68 51.4N–.10 173.44W–.04 37 3.9b 112 2-118
IDC IV 08 19 08 58.0–.77 51.53N 173.43W 0 3.9,3.9b **¶610523745**
NEIC IV 08 19 08 58.4–2.2 51.2N–.10 173.40W–.06 10–1 3.9b,3.6L
AEIC IV 08 19 09 01.8–1.9 51.5N–.10 173.41W–.08 29–5 3.9b,3.6L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC IV 11 04 03 32.9–1.2 51.6N–.20 179.57W–.09 100 3.7b 72 2-60
IDC IV 11 04 03 20.7–2.1 51.56N 179.81W 0 3.3,3.3b **¶610526688**
AEIC IV 11 04 03 33.4–1.6 51.8N–.20 179.5W–.20 88–7 3.3,3.3b
NEIC IV 11 04 03 33.9–1.2 51.7N–.20 179.5W–.20 92–12 4.0L,3.8b
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IV 11 20 45 49.3–3.0 51.48N 178.78W 0 3.4,3.2b
¶610652495
IDC Error ellipse: s-maj=69.7km s-min=44.0km az=2.0.
NEIC IV 14 09 04 04.0–2.1 50.75N–.10 176.3W–.10 10–2 3.6b,2.6L
AEIC IV 14 09 03 58.2–4.3 50.2N–.10 176.5W–.20 18–9 3.6b,2.6L **¶611149516**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC IV 21 04 44 21.5–.70 51.99N–.08 173.3W–.10 53–26 3.3b,2.9L
AEIC IV 21 04 44 21.0–2.1 52.21N–.09 173.4W–.10 65–9 3.3b,2.9L **¶610546863**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
AEIC IV 25 02 37 54.1–1.7 51.71N–.10 175.27W–.08 45–10 3.1L
¶611149658
AEIC Event type se. hypocenter. manual.
ISC IV 25 06 52 29.7–.60 51.77N–.09 175.46W–.06 78 3.9b 180 0-87
IDC IV 25 06 52 29.4–.69 52.09N 175.57W 66–6 3.8,3.5b **¶610554310**
AEIC IV 25 06 52 30.3–3.5 51.80N–.09 175.3W–.10 63–8 3.8,3.5b
NEIC IV 25 06 52 30.7–2.4 51.9N–.10 175.38W–.09 78–10 4.0b,3.8L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC IV 25 09 53 33.6–2.0 52.8N–.20 174.5W–.10 168–18 3.6b,2.9L
AEIC IV 25 09 53 35.1–2.8 52.6N–.20 174.5W–.20 169–8 3.6b,2.9L **¶611149669**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC IV 28 06 23 25.9–.46 51.48N–.07 178.36W–.03 49–3 4.7b,3.6s 664 1-151
MOS IV 28 06 23 24.7–.95 51.54N 178.37W 49 4.9b,3.6s **¶610575530**
IDC IV 28 06 23 25.0–.65 51.52N 178.34W 39–4 4.5,4.5L
NEIC IV 28 06 23 26.7–1.9 51.5N–.10 178.41W–.09 52–7 4.7b,4.7L
AEIC IV 28 06 23 26.3–2.4 51.43N–.10 178.27W–.09 46–5 4.7b,4.7L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC IV 29 08 18 30.8–1.4 51.3N–.20 178.64W–.08 50 3.6b 43 1-59
IDC IV 29 08 18 23.2–19 51.00N 178.57W 0 3.2,3.1b **¶610589454**
AEIC IV 29 08 18 32.4–1.4 51.5N–.20 178.7W–.10 63–9 3.7L,3.7b
NEIC IV 29 08 18 32.8–1.6 51.5N–.20 178.6W–.10 64–20 3.7L,3.7b
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 02 07 14 44.8–1.2 51.6N–.20 178.50W–.07 10 3.5b 20 1-58
IDC V 02 07 14 34.3–12 51.41N 179.36E 0 3.3,3.3b **¶610689375**
AEIC V 02 07 14 43.0–4.7 51.6N–.20 178.5W–.10 7–7 3.3,3.3b
NEIC V 02 07 14 44.0–2.9 51.4N–.20 178.51W–.09 10–2 3.8b,3.5L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 02 11 11 06.7–1.0 51.7N–.20 178.55W–.05 10 3.7b,3.2s 42 1-58
IDC V 02 11 11 04.5–2.0 51.88N 179.07W 0 3.5,3.5L **¶610592372**
NEIC V 02 11 11 05.5–1.5 51.5N–.20 178.47W–.09 9–8 3.9b,3.7L
AEIC V 02 11 11 06.6–2.1 51.6N–.10 178.52W–.09 5–5 3.9b,3.7L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC V 02 11 51 33.7–.79 51.6N–.10 178.60W–.05 10 4.1b,3.2s 153 1-121
IDC V 02 11 51 31.7–.96 51.78N 178.76W 0 3.8,3.7b **¶610592315**
AEIC V 02 11 51 33.4–3.7 51.6N–.20 178.5W–.10 6–5 3.8,3.7b
NEIC V 02 11 51 43.0–2.2 52.0N–.10 177.24W–.06 10–1 4.1b,3.9L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 03 18 45 13.6–.58 51.65N–.08 178.54W–.03 20–5 4.6b,3.8s 508 1-151
AEIC V 03 18 45 11.3–1.9 51.6N–.10 178.50W–.06 3–3 4.6b,3.8s **¶610593972**
MOS V 03 18 45 12.9–1.1 51.74N 178.61W 25 4.6b,3.8s
NEIC V 03 18 45 13.3–2.1 51.74N–.09 178.56W–.06 10–1 4.6b,4.5L
GCMT V 03 18 45 16.3–.40 51.84N–.04 178.61W–.05 20–1 4.9W,4.5L
IDC V 03 18 45 18.3–1.5 51.81N 178.62W 56–13 4.3,4.0b
ISC Event type se.
AEIC Event type se. Error ellipse: s-maj=14.9km s-min=4.3km az=165.0. hypocenter. manual.
MOS Error ellipse: s-maj=8.2km s-min=7.3km az=50.1.
NEIC Event type se. Error ellipse: s-maj=16.1km s-min=5.1km az=166.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s22,c25; s70,c92;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.44±.21 $M_{\theta\theta}$1.24±.15; $M_{\phi\phi}$1.20±.13; $M_{r\theta}$0.94±.28; $M_{\theta\phi}$-0.85±.06; $M_{\phi r}$1.12±.24; Best double couple: NP1:ϕ_s157.00000°,δ51.00000°,λ-60.00000°. NP2:ϕ_s294.00000°,δ48.00000°,λ-122.00000°. Principal axes: T 2.0730,Plg2.0000° ,Azm226.0000°; N 0.9890,Plg23.0000°,Azm317.0000°; P -3.0620,Plg67.0000° ,Azm131.0000° $M_0$2.56800×10^{16}
IDC Error ellipse: s-maj=14.2km s-min=7.8km az=171.0.
NEIC V 03 18 48 53.8–.67 51.7N–.50 178.5W–.20 10–1 3.6L
AEIC V 03 18 48 55.7–.71 51.7N–.60 178.5W–.20 18–4 3.6L **¶610689498**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
IDC V 03 18 49 24.2–7.1 51.50N 177.11W 0 3.8L,3.6
¶617176935
IDC Error ellipse: s-maj=134.8km s-min=73.9km az=96.0.
ISC V 03 18 57 36.5–.46 51.63N–.09 178.52W–.04 10 4.5b,3.6s 377 1-151
IDC V 03 18 57 34.9–.54 51.74N 178.59W 0 4.1,4.1b **¶610593974**
AEIC V 03 18 57 35.8–1.7 51.65N–.08 178.50W–.07 4–3 4.1,4.1b
NEIC V 03 18 57 36.7–1.6 51.6N–.10 178.56W–.07 10–1 4.6b,4.3L
MOS V 03 18 57 37.1–1.1 51.79N 178.63W 23 4.7b,4.3L
ISC Event type se.
IDC Error ellipse: s-maj=17.4km s-min=10.7km az=167.0.
AEIC Event type se. Error ellipse: s-maj=12.1km s-min=6.2km az=188.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=21.6km s-min=5.4km az=164.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=10.4km s-min=8.6km az=148.0.
NEIC V 03 19 10 03.9–.50 51.6N–.20 178.48W–.09 10–1 3.6L
AEIC V 03 19 10 04.6–.71 51.6N–.20 178.5W–.10 7–5 3.6L **¶611149996**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC V 03 22 05 56.0–2.8 51.7N–.40 176.7W–.10 72–10 25 0-21
NEIC V 03 22 05 56.5–.96 51.7N–.20 176.7W–.20 71–7 3.9b,3.1L **¶611150005**
AEIC V 03 22 05 56.4–.92 51.9N–.20 176.8W–.10 70–5 3.9b,3.1L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC V 04 06 25 15.1–.70 51.59N–.08 178.50W–.03 10 3.7b,2.8s 54 0-121
NEIC V 04 06 25 14.9–1.1 51.6N–.10 178.52W–.07 10–2 4.0b,3.5L **¶611150021**
AEIC V 04 06 25 14.9–1.5 51.6N–.10 178.50W–.08 5–6 4.0b,3.5L
IDC V 04 06 25 14.1–.99 51.58N 178.49W 0 3.7,3.6L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.6km s-min=5.5km az=164.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=18.0km s-min=4.8km az=163.0. hypocenter. manual.
IDC Error ellipse: s-maj=30.1km s-min=18.0km az=168.0.
ISC V 04 21 38 23.6–.86 51.6N–.10 178.48W–.05 10 3.7b 23 1-147
IDC V 04 21 38 22.2–.94 51.59N 178.49W 0 3.7,3.7L **¶610598525**
NEIC V 04 21 38 22.5–1.4 51.4N–.10 178.5W–.10 10–1 3.5L,3.7L
AEIC V 04 21 38 24.4–1.5 51.7N–.20 178.48W–.06 10–5 3.5L,3.7L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC V 04 21 43 37.5–.72 51.52N–.09 178.50W–.04 10 3.9b,3.1s 48 0-151
IDC V 04 21 43 36.3–.79 51.67N 178.57W 0 3.7,3.7b **¶611150056**
NEIC V 04 21 43 37.9–1.8 51.5N–.20 178.5W–.20 1–10 3.9b,3.6L
AEIC V 04 21 43 38.4–1.9 51.6N–.20 178.4W–.10 5–5 3.9b,3.6L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC V 04 22 13 29.4–3.2 51.6N–.20 178.62W–.09 3–15 16 0-59
IDC V 04 22 13 22.0–34 51.78N 179.66E 0 3.1,3.1b **¶610598528**
NEIC V 04 22 13 24.6–.94 51.4N–.10 179.0W–.20 10–2 2.9L,3.1b
AEIC V 04 22 13 27.4–2.0 51.57N–.07 178.9W–.10 5–8 2.9L,3.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
IDC V 04 23 40 44.0–23 51.80N 175.14W 0 3.5b,3.5L
¶610689573
IDC Error ellipse: s-maj=449.7km s-min=77.0km az=85.0.
NEIC V 05 10 37 06.1–2.5 51.8N–.10 178.50W–.03 28–9 3.8b,3.1L
AEIC V 05 10 37 05.8–6.1 51.67N–.06 178.47W–.03 5–5 3.8b,3.1L **¶611150069**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC V 05 11 51 54.9–1.5 51.57N–.08 178.52W–.02 1–9 4.2b,3.2s 288 0-121
IDC V 05 11 51 54.8–.74 51.70N 178.62W 0 4.0,3.9b **¶610609336**
AEIC V 05 11 51 56.9–2.4 51.7N–.10 178.50W–.01 10–4 4.0,3.9b
NEIC V 05 11 51 57.6–2.3 51.7N–.10 178.50W–.03 10–5 4.2b,3.7L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 05 20 49 59.5–1.4 51.54N–.08 178.52W–.02 4–9 3.7b 64 0-86
AEIC V 05 20 49 59.8–2.3 51.65N–.09 178.52W–.05 2–6 3.7b **¶610689628**
NEIC V 05 20 49 59.4–1.3 51.47N–.07 178.53W–.05 3–2 3.9b,3.7L
IDC V 05 20 49 59.4–1.2 51.75N 178.80W 0 3.6,3.6L
ISC Event type se.
AEIC Event type se. Error ellipse: s-maj=12.8km s-min=3.8km az=170.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=3.9km az=164.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=43.3km s-min=22.3km az=159.0.
ISC V 06 00 45 50.0–1.3 51.4N–.20 178.34W–.09 10 3.6b 39 1-58
AEIC V 06 00 45 50.5–3.6 51.6N–.40 178.5W–.20 8–7 3.6b **¶611150088**
NEIC V 06 00 45 50.0–2.7 51.3N–.20 178.37W–.10 10–2 3.8L,3.6b
IDC V 06 00 46 04.1–6.8 50.74N 174.88W 0 4.0L,3.4
ISC Event type se.
AEIC Event type se. Error ellipse: s-maj=56.6km s-min=4.4km az=164.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=28.0km s-min=6.5km az=162.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=132.7km s-min=56.4km az=95.0.
ISC V 06 10 33 04.3–.00 51.59N–.09 174.17W–.05 35 3.5b 23 1-56
IDC V 06 10 32 50.5–6.7 51.39N 175.99W 0 4.6L,3.6 **¶610689657**

AEIC V 06 10 33 04.7–1.1 51.60N–.08 174.28W–.08 24–6 3.3L,3.6
NEIC V 06 10 33 05.4–1.5 51.7N–.30 174.2W–.10 58–47 3.3L,3.6
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 06 10 42 19.0–1.9 51.6N–.10 178.52W–.03 8–12 3.7b 28 0-121
IDC V 06 10 42 18.0–1.1 51.39N 178.43W 0 3.9L,3.5 **¶610689658**
AEIC V 06 10 42 19.3–1.4 51.65N–.04 178.52W–.04 8–4 3.5L,3.5
NEIC V 06 10 42 19.5–1.4 51.61N–.05 178.52W–.02 14–4 3.5L,3.5
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 06 12 48 58.5–.82 51.56N–.07 178.56W–.03 10 3.3b,3.1s 35 0-121
NEIC V 06 12 48 57.1–.96 51.48N–.03 178.54W–.03 1–8 3.9b,3.8L **¶610689664**
AEIC V 06 12 48 58.6–2.9 51.67N–.03 178.53W–.02 8–6 3.9b,3.8L
IDC V 06 12 48 58.1–7.1 52.01N 179.05W 0 3.7L,3.5
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=4.4km s-min=2.8km az=179.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=4.6km s-min=1.7km az=164.0. hypocenter. manual.
IDC Error ellipse: s-maj=135.3km s-min=61.7km az=92.0.
ISC V 07 08 20 17.1–.79 51.54N–.08 178.55W–.03 10 4.1s,3.5b 34 0-72
IDC V 07 08 20 01.5–14 51.21N 178.28E 0 3.8s,3.6 **¶611150115**
NEIC V 07 08 20 16.1–1.1 51.43N–.04 178.52W–.01 2–5 3.8s,3.6
AEIC V 07 08 20 17.4–1.5 51.62N–.07 178.53W–.02 4–4 3.9b,3.7L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC V 07 10 18 30.7–.78 51.52N–.09 178.53W–.03 10 3.8b 45 0-121
IDC V 07 10 18 29.5–1.2 51.54N 178.49W 0 4.3L,3.6 **¶610689714**
AEIC V 07 10 18 29.1–3.1 51.63N–.08 178.51W–.04 1–6 4.3L,3.6
NEIC V 07 10 18 29.8–2.0 51.49N–.10 178.52W–.05 2–8 4.0b,3.8L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 07 10 22 50.4–.50 51.50N–.07 178.51W–.03 10 4.3b,3.3s 234 0-147
IDC V 07 10 22 49.7–.66 51.67N 178.66W 0 4.0,4.0b **¶610617828**
NEIC V 07 10 22 50.0–1.9 51.44N–.07 178.42W–.05 10–1 4.3b,4.0L
AEIC V 07 10 22 51.1–3.0 51.66N–.10 178.49W–.05 5–5 4.3b,4.0L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC V 07 10 44 20.0–1.5 51.56N–.09 178.51W–.02 5–9 4.0b,3.5s 53 0-121
IDC V 07 10 44 18.6–1.4 51.82N 178.81W 0 3.6,3.6b **¶610617829**
NEIC V 07 10 44 20.2–1.4 51.55N–.07 178.54W–.04 8–6 4.0b,3.7L
AEIC V 07 10 44 21.1–1.6 51.66N–.08 178.50W–.04 10–2 4.0b,3.7L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC V 07 12 03 01.8–.88 51.53N–.09 178.52W–.03 10 3.4b 45 0-121
IDC V 07 12 02 53.8–15 51.54N 179.89E 0 3.4,3.4b **¶610689723**
AEIC V 07 12 03 01.9–2.0 51.6N–.10 178.51W–.08 6–6 3.4,3.4b
NEIC V 07 12 03 02.0–1.8 51.55N–.09 178.52W–.07 10–2 4.0b,3.7L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 07 16 16 28.3–1.8 51.54N–.10 178.54W–.02 5–10 3.8b,3.2s 182 0-147
IDC V 07 16 16 28.0–.69 51.80N 178.54W 0 3.8,3.7b **¶610617936**
NEIC V 07 16 16 29.2–1.6 51.52N–.05 178.54W–.04 10–1 4.3b,3.9L
AEIC V 07 16 16 29.1–1.6 51.66N–.09 178.54W–.06 7–4 4.3b,3.9L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC V 08 08 46 23.2–1.8 51.54N–.10 178.52W–.03 1–11 4.1b 224 0-121
NEIC V 08 08 46 24.0–1.5 51.57N–.07 178.52W–.04 10–1 4.2b,4.1L **¶610617969**
IDC V 08 08 46 23.2–1.3 51.68N 178.55W 0 3.8,3.7L
AEIC V 08 08 46 24.2–1.9 51.7N–.10 178.54W–.05 12–5 3.8,3.7L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC V 08 10 59 42.3–1.9 51.57N–.09 178.51W–.03 0–11 4.3b,3.4s 262 0-147
NEIC V 08 10 59 42.1–1.7 51.55N–.08 178.59W–.03 3–3 4.4L,4.4b **¶611150159**
AEIC V 08 10 59 42.4–2.1 51.63N–.09 178.53W–.08 5–4 4.4L,4.4b
IDC V 08 10 59 42.7–.79 51.67N 178.37W 0 4.0,4.0L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.6km s-min=2.8km az=176.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=13.9km s-min=6.0km az=162.0. hypocenter. manual.
IDC Error ellipse: s-maj=29.2km s-min=13.4km az=168.0.
NEIC V 08 14 41 06–1.2 51.58N–.05 178.41W–.02 19–4 3.6b,3.5L
AEIC V 08 14 41 06.4–1.8 51.67N–.07 178.47W–.04 13–5 3.6b,3.5L **¶611150169**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC V 08 15 31 27.9–.32 51.12N–.04 177.06W–.02 26–1 5.6b,5.5s 1872 1-159
BJI V 08 15 31 23.9–.00 51.04N 177.10W 19 5.9s,5.7b **¶611833842**
NEIC V 08 15 31 26.9 51.09N 177.10W 19 5.9s,5.7b
NEIC V 08 15 31 26.5–2.2 51.03N–.05 177.01W–.06 17–1 5.7,5.7b
NEIC V 08 15 31 26.9 50.89N 177.26W 22 5.7,5.7b
NEIC V 08 15 31 26.9 51.09N 177.10W 22 5.7,5.7b
MOS V 08 15 31 27.4–1.0 51.14N 177.08W 34 5.7b,5.5s
IDC V 08 15 31 28.9–3.8 51.20N 177.09W 33–28 5.5s,5.5L
AEIC V 08 15 31 28.7–1.8 51.07N–.05 177.01W–.07 40–4 5.5s,5.5L
GCMT V 08 15 31 28.5–.10 51.06N–.01 176.88W–.01 18–0 5.8W,5.5L
BGR V 08 15 31 29.8 50.93N 178.46W 33 5.7,5.6b
ISC Event type ke.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=5.7km az=152.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}2.29 $M_{\theta\theta}$-1.74 $M_{\phi\phi}$-0.55 $M_{r\theta}$1.39 $M_{\theta\phi}$-0.23 $M_{\phi r}$1.17 NP1:ϕ_s265.62000°,δ26.23000°,λ111.95000°. NP2:ϕ_s61.42000°,δ65.79000° ,λ79.56000°. Principal axes: T 3.0272,Plg68.0000°,Azm312.0000°; N -0.6549,Plg10.0000° ,Azm66.0000°; P -2.3723,Plg20.0000°,Azm159.0000° $M_0$2.76000×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 3ș7 Moment tensor: Scale 10^{17}Nm; M_{rr}3.38 $M_{\theta\theta}$-3.42 $M_{\phi\phi}$0.04 $M_{r\theta}$2.66 $M_{\theta\phi}$-0.92 $M_{\phi r}$1.12 NP1:ϕ_s70.18000°,δ64.78000° ,λ84.68000°. NP2:ϕ_s262.50000°,δ25.74000°,λ101.13000°. Principal axes: T 4.4362,Plg70.0000°,Azm329.0000°; N 0.2310,Plg5.0000°,Azm72.0000° ; P -4.6672,Plg20.0000°,Azm164.0000° $M_0$4.55000×10^{17}
NEIC Event type se.
MOS Error ellipse: s-maj=6.9km s-min=4.0km az=107.1.
IDC Error ellipse: s-maj=13.4km s-min=7.8km az=166.0.
AEIC Event type se. Error ellipse: s-maj=8.4km s-min=5.6km az=152.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s146,c280; s149,c325;Duration: 1ș9 Moment tensor: Scale 10^{17}Nm; M_{rr}3.92±.06 $M_{\theta\theta}$-3.67±.05; $M_{\phi\phi}$-0.25±.04; $M_{r\theta}$3.46±.13; $M_{\theta\phi}$-1.32±.04; $M_{\phi r}$1.56±.12; Best double couple: NP1:ϕ_s67.00000°,δ67.00000°,λ87.00000°. NP2:ϕ_s255.00000°,δ23.00000°,λ97.00000°. Principal axes: T 5.4380,Plg68.0000° ,Azm331.0000°; N 0.1820,Plg3.0000°,Azm69.0000°; P -5.6200,Plg22.0000°,Azm160.0000° $M_0$5.52900×10^{17}
BGR Event type ke.
ISC V 08 15 35 03.4–.43 50.99N–.07 177.01W–.04 10 5.1b 267 1-152
NEIC V 08 15 35 03.9–1.5 51.02N–.05 177.02W–.06 10–1 5.2b,4.5L **¶610667639**
MOS V 08 15 35 06.5–.95 51.12N 177.02W 41 5.2b,4.5L
AEIC V 08 15 35 06.6–1.5 51.01N–.06 176.96W–.07 37–5 5.2b,4.5L
IDC V 08 15 35 08.2–3.0 51.06N 177.04W 45–26 4.6,4.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=5.8km az=154.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=13.4km s-min=8.0km az=116.6.
AEIC Event type se. Error ellipse: s-maj=9.3km s-min=5.6km az=159.0. hypocenter. manual.
IDC Error ellipse: s-maj=22.6km s-min=14.1km az=170.0.
ISC V 08 15 36 47.4–.44 50.98N–.06 176.98W–.04 10 4.8b 210 1-152
NEIC V 08 15 36 47.4–1.6 50.94N–.02 176.99W–.08 10–1 4.9b,4.3L **¶610689799**
MOS V 08 15 36 50.9–.97 51.21N 177.04W 43 5.1b,4.3L
AEIC V 08 15 36 51.3–1.0 51.08N–.06 176.97W–.07 38–5 5.1b,4.3L
IDC V 08 15 36 53.1–2.9 51.21N 177.07W 48–25 4.7L,4.4
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=8.1km s-min=2.8km az=100.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=12.2km s-min=8.1km az=101.4.
AEIC Event type se. Error ellipse: s-maj=9.1km s-min=5.7km az=152.0. hypocenter. manual.
IDC Error ellipse: s-maj=21.1km s-min=12.8km az=161.0.
NEIC V 08 15 47 01.7–1.0 51.53N–.05 178.47W–.05 15–4 3.7L
AEIC V 08 15 47 01.6–2.2 51.65N–.08 178.53W–.03 7–5 3.7L **¶610618061**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC V 08 15 47 30.4–.35 51.09N–.04 176.99W–.02 27–1 5.8b,5.7s 1674 1-160
BJI V 08 15 47 26.6–.00 51.20N 177.01W 18 6.0b,6.0s **¶611150171**
NEIC V 08 15 47 29.1–2.3 51.05N–.05 176.99W–.06 17–1 5.9,5.9b
MOS V 08 15 47 30.6–1.1 51.16N 177.03W 37 5.9b,5.7s
AEIC V 08 15 47 30.4–2.1 51.00N–.05 176.91W–.07 42–4 5.9b,5.7s
NEIC V 08 15 47 30 51.07N 176.99W 22 5.9b,5.7s
NEIC V 08 15 47 31.9 50.79N 177.12W 26 5.9b,5.7s
NEIC V 08 15 47 31.9 51.19N 177.12W 26 5.9b,5.7s
BGR V 08 15 47 33.0 51.03N 178.80W 33 5.7b,5.6s
IDC V 08 15 47 32.4–1.4 51.25N 177.05W 37–10 5.8L,5.6s
GCMT V 08 15 47 32.1–.10 51.06N–.01 176.87W–.01 16–0 5.9W,5.6s
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}5.64 $M_{\theta\theta}$-3.23 $M_{\phi\phi}$-2.41 $M_{r\theta}$3.67 $M_{\theta\phi}$-0.04 $M_{\phi r}$3.01 NP1:ϕ_s248.98000°,δ21.77000°,λ101.60000°. NP2:ϕ_s56.52000°,δ68.70000° ,λ85.41000°. Principal axes: T 7.7471,Plg66.0000°,Azm319.0000°; N -2.6454,Plg4.0000° ,Azm58.0000°; P -5.1017,Plg24.0000°,Azm150.0000° $M_0$6.82000×10^{17}
AEIC Event type se. hypocenter. manual.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 4ș2 Moment tensor: Scale 10^{17}Nm; M_{rr}5.42 $M_{\theta\theta}$-5.65 $M_{\phi\phi}$0.24 $M_{r\theta}$5.16 $M_{\theta\phi}$-1.45 $M_{\phi r}$1.83 NP1:ϕ_s72.17000°,δ66.96000° ,λ85.94000°. NP2:ϕ_s262.45000°,δ23.37000°,λ99.44000°. Principal axes: T 7.6380,Plg68.0000°,Azm335.0000°; N 0.5367,Plg4.0000°,Azm74.0000° ; P -8.1747,Plg22.0000°,Azm165.0000° $M_0$7.91000×10^{17}
NEIC Event type se.
BGR Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s154,c312; s163,c510; Duration: 2ș2 Moment tensor: Scale 10^{18}Nm; M_{rr}0.58±.01 $M_{\theta\theta}$-0.55±.01; $M_{\phi\phi}$-0.03±.01; $M_{r\theta}$0.73±.03; $M_{\theta\phi}$-0.17±.00; $M_{\phi r}$0.23±.02; Best double couple: NP1:ϕ_s73.00000°,δ71.00000° ,λ90.00000°. NP2:ϕ_s253.00000°,δ19.00000°,λ90.00000°. Principal axes: T 0.9570,Plg64.0000°,Azm343.0000°; N 0.0220,Plg0.0000°,Azm73.0000° ; P -0.9790,Plg26.0000°,Azm163.0000° $M_0$0.96800×10^{18}
NEIC V 08 15 52 55.4–.51 50.87N–.04 176.89W–.04 10–2 3.6L
AEIC V 08 15 52 58.5–.62 50.97N–.08 176.89W–.05 41–10 3.6L **¶611150174**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC V 08 15 58 59.9–.55 50.90N–.06 176.93W–.04 10 4.2b 133 1-90
NEIC V 08 15 59 00.2–1.6 50.90N–.03 176.92W–.05 10–1 4.3b,3.9L **¶610618062**
AEIC V 08 15 59 01.1–2.4 50.84N–.06 176.88W–.07 37–6 4.3b,3.9L
IDC V 08 15 59 05.9–5.3 51.16N 177.02W 50–47 3.9,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=4.5km az=136.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=9.5km s-min=6.2km az=163.0. hypocenter. manual.
IDC Error ellipse: s-maj=29.9km s-min=14.3km az=180.0.
ISC V 08 17 00 47.6–.30 51.71N–.03 178.60W–.02 17–1 6.2s,5.9b 2549 0-160
BJI V 08 17 00 43.7–.00 51.94N 178.45W 10 6.4s,6.2 **¶610618045**
IDC V 08 17 00 44.5–.33 51.68N 178.47W 0 6.1s,5.3
AEIC V 08 17 00 45.3–2.2 51.63N–.07 178.52W–.03 3–2 6.1s,5.3
NEIC V 08 17 00 47 51.81N 178.57W 12 6.1s,5.3
NEIC V 08 17 00 47.5–2.0 51.73N–.05 178.59W–.05 13–1 6.2,6.2
GCMT V 08 17 00 49.5–.00 51.76N 178.38W 12 6.2W,6.2
MOS V 08 17 00 49.0–1.1 51.82N 178.58W 36 6.1s,5.9b
NEIC V 08 17 00 51 52.01N 178.57W 12 6.1s,5.9b
BGR V 08 17 00 53.5 52.05N 179.63W 33 6.1s,5.2b
ISC Event type ke.
IDC Error ellipse: s-maj=12.9km s-min=8.6km az=176.0.
AEIC Event type se. Error ellipse: s-maj=9.6km s-min=2.6km az=174.0. hypocenter. manual.
NEIC Event type ke.
NEIC Event type se. Error ellipse: s-maj=8.6km s-min=4.6km az=165.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s173,c401; s174,c700; Duration: 3ș1 Moment tensor: Scale 10^{18}Nm; M_{rr}-1.05±.01 $M_{\theta\theta}$-0.81±.01; $M_{\phi\phi}$1.86±.01; $M_{r\theta}$0.30±.03; $M_{\theta\phi}$-2.19±.01; $M_{\phi r}$-0.17±.03; Best double couple: NP1:ϕ_s286.00000°,δ86.00000° ,λ-170.00000°. NP2:ϕ_s196.00000°,δ80.00000°,λ-4.00000°. Principal axes: T 3.1100,Plg4.0000°,Azm61.0000°; N -1.0400,Plg79.0000°,Azm309.0000° ; P -2.0730,Plg10.0000°,Azm151.0000° $M_0$2.59200×10^{18}
MOS Error ellipse: s-maj=5.5km s-min=3.9km az=99.3.
NEIC Event type se. Moment Tensor Solution.Duration: 8ș2 Moment tensor: Scale 10^{18}Nm; M_{rr}-1.33 $M_{\theta\theta}$-0.58 $M_{\phi\phi}$1.92 $M_{r\theta}$-1.43 $M_{\theta\phi}$-1.16 $M_{\phi r}$0.46 NP1:ϕ_s12.00000°,δ44.00000° ,λ-31.00000°. NP2:ϕ_s126.00000°,δ69.00000°,λ-129.00000°. Principal axes: T 2.6236,Plg15.0000°,Azm244.0000°; N -0.1537,Plg36.0000°,Azm143.0000° ; P -2.4699,Plg50.0000°,Azm352.0000° $M_0$2.55000×10^{18}
BGR Event type ke.
ISC V 08 17 08 32.9–.87 51.55N–.07 178.37W–.04 14–5 4.9b 381 1-157
IDC V 08 17 08 31.3–.47 51.71N 178.44W 0 4.6L,4.4 **¶610618046**
AEIC V 08 17 08 32.8–2.0 51.6N–.10 178.43W–.07 5–3 4.6L,4.4
MOS V 08 17 08 32.4–.91 51.79N 178.55W 19 5.0b,4.4
NEIC V 08 17 08 33.7–2.1 51.7N–.10 178.43W–.07 10–1 5.0b,4.6L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 08 17 16 10.7–.86 51.6N–.10 178.43W–.04 10 3.6b 18 0-86
IDC V 08 17 16 10.5–2.5 51.54N 178.25W 0 3.7,3.7L **¶611150177**
NEIC V 08 17 16 10.1–.32 51.51N–.03 178.44W–.05 10–1 3.7L,3.7L
AEIC V 08 17 16 11.2–1.6 51.66N–.05 178.46W–.05 13–2 3.7L,3.7L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC V 08 17 18 40.8–.99 51.6N–.20 178.38W–.03 10 3.4b 20 0-58
AEIC V 08 17 18 39.8–2.2 51.9N–.20 178.27W–.05 4–7 3.4b **¶611150180**
IDC V 08 17 18 40.3–3.1 51.61N 178.54W 0 3.6L,3.5
NEIC V 08 17 18 40.1–1.1 51.8N–.10 178.31W–.03 10–1 3.8L,3.5

ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 08 17 20 41.4–.65 51.51N–.09 178.45W–.04 10 4.0b 74 0-151
IDC V 08 17 20 40.3–.78 51.67N 178.61W 0 4.1L,3.7 **¶610689806**
NEIC V 08 17 20 41.5–2.3 51.46N–.09 178.44W–.05 10–2 4.1b,4.0L
AEIC V 08 17 20 42.1–3.2 51.6N–.20 178.46W–.06 13–6 4.1b,4.0L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC V 08 17 27 46.8–.83 51.6N–.10 178.42W–.03 10 3.3b 22 0-86
IDC V 08 17 27 45.9–2.8 51.65N 178.49W 0 3.8L,3.5 **¶610689807**
NEIC V 08 17 27 46.2–1.6 51.48N–.04 178.42W–.03 13–8 3.4L,3.5
AEIC V 08 17 27 47.2–2.9 51.63N–.03 178.45W–.02 8–6 3.4L,3.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC V 08 17 30 29.7–1.5 51.55N–.02 178.34W–.02 10–2 3.5L
AEIC V 08 17 30 29.8–2.2 51.65N–.04 178.38W–.03 5–6 3.5L **¶611150183**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC V 08 17 34 20.8–.83 51.7N–.10 178.53W–.04 10 3.6b 24 0-121
IDC V 08 17 34 19.9–3.2 51.59N 178.50W 0 3.7L,3.6 **¶611150184**
NEIC V 08 17 34 20.2–1.4 51.51N–.04 178.48W–.02 10–1 3.7L,3.6
AEIC V 08 17 34 21.1–1.9 51.7N–.10 178.52W–.06 10–5 3.7L,3.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC V 08 17 39 16.9–.44 51.58N–.08 178.46W–.04 10 4.6b 487 1-151
IDC V 08 17 39 15.3–.52 51.71N 178.46W 0 4.4L,4.2 **¶611150190**
AEIC V 08 17 39 16.9–2.0 51.7N–.10 178.42W–.08 5–4 4.4L,4.2
MOS V 08 17 39 16.8–1.1 51.73N 178.57W 17 4.7b,4.2
NEIC V 08 17 39 17.6–1.8 51.7N–.10 178.56W–.08 10–1 4.6b,4.5L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 08 17 44 04.3–.60 51.6N–.10 178.51W–.04 10 4.1b 123 1-151
NEIC V 08 17 44 05.5–1.9 51.54N–.10 178.50W–.09 10–1 4.2b,4.1L **¶610689810**
AEIC V 08 17 44 05.3–2.5 51.6N–.20 178.4W–.10 14–5 4.2b,4.1L
IDC V 08 17 44 06.1–3.0 51.71N 178.66W 20–17 4.1L,3.9
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.7km s-min=8.8km az=163.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=23.7km s-min=8.5km az=169.0. hypocenter. manual.
IDC Error ellipse: s-maj=23.0km s-min=13.0km az=176.0.
ISC V 08 17 56 01.2–.87 51.5N–.10 178.44W–.04 10 3.4b 19 0-86
IDC V 08 17 56 00.3–1.7 51.07N 178.13W 0 3.6L,3.5 **¶610689811**
NEIC V 08 17 56 00.9–1.1 51.51N–.03 178.43W–.03 8–8 3.7L,3.5
AEIC V 08 17 56 01.4–1.8 51.62N–.05 178.46W–.05 16–5 3.7L,3.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC V 08 17 57 37.5–.77 51.50N–.10 178.46W–.03 10 3.5b 28 0-121
IDC V 08 17 57 36.6–1.1 51.35N 178.41W 0 3.5,3.5L **¶610689812**
NEIC V 08 17 57 36.3–2.0 51.41N–.04 178.43W–.04 10–2 3.7L,3.5L
AEIC V 08 17 57 37.9–2.0 51.62N–.04 178.45W–.04 9–1 3.7L,3.5L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC V 08 18 01 12.8–.74 51.51N–.08 178.52W–.03 10 3.4b 28 0-86
IDC V 08 18 01 11.6–1.3 51.56N 178.77W 0 3.4,3.3b **¶610689813**
NEIC V 08 18 01 12.2–.93 51.45N–.03 178.47W–.04 10–2 3.5L,3.3b
AEIC V 08 18 01 13.8–1.8 51.64N–.05 178.45W–.02 12–7 3.5L,3.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC V 08 18 02 16.8–.59 51.61N–.09 178.52W–.03 10 4.0b 157 0-151
IDC V 08 18 02 15.4–.70 51.87N 178.74W 0 3.9,3.9b **¶610689814**
AEIC V 08 18 02 16.3–2.8 51.6N–.10 178.48W–.07 5–5 3.9,3.9b
NEIC V 08 18 02 18.2–2.6 51.7N–.10 178.51W–.07 10–1 4.1b,3.9L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 08 18 03 49.9–.56 51.7N–.10 178.60W–.04 10 4.4b 272 1-151
IDC V 08 18 03 48.3–.60 51.80N 178.77W 0 4.1,4.1b **¶610689815**
AEIC V 08 18 03 49.5–1.5 51.7N–.10 178.56W–.08 7–5 4.1,4.1b
NEIC V 08 18 03 50.7–1.6 51.7N–.10 178.62W–.08 10–1 4.5b,4.4L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC V 08 18 05 08.1–1.9 51.8N–.20 178.53W–.06 10–2 4.2L
AEIC V 08 18 05 07.7–1.6 51.7N–.20 178.6W–.10 13–7 4.2L **¶610689816**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC V 08 18 05 29.1–.53 51.8N–.10 178.72W–.05 10 4.3b 117 1-151
NEIC V 08 18 05 28.8–1.8 51.5N–.10 178.70W–.04 10–1 4.4b **¶611150204**
IDC V 08 18 05 31.1–4.2 51.86N 178.69W 22–26 4.8s,4.0
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=22.4km s-min=4.2km az=174.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=19.9km s-min=12.0km az=170.0.
ISC V 08 18 10 16.1–.43 51.60N–.08 178.39W–.04 10 4.5b 449 1-151
AEIC V 08 18 10 14.4–1.8 51.60N–.10 178.39W–.08 5–2 4.5b **¶611150213**
NEIC V 08 18 10 16.4–1.6 51.6N–.10 178.45W–.07 10–1 4.6b,4.4L
IDC V 08 18 10 17.3–3.2 51.63N 178.55W 21–19 4.7s,4.2
MOS V 08 18 10 17.0–1.2 51.66N 178.38W 24 4.6b,4.2
ISC Event type se.
AEIC Event type se. Error ellipse: s-maj=14.7km s-min=5.6km az=160.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=19.6km s-min=5.5km az=166.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=16.7km s-min=9.9km az=171.0.
MOS Error ellipse: s-maj=8.6km s-min=7.8km az=81.7.
ISC V 08 18 14 06.7–.47 51.73N–.09 178.52W–.04 10 4.4b 285 1-151
AEIC V 08 18 14 06.1–2.0 51.63N–.06 178.44W–.05 5–4 4.4b **¶610689817**
NEIC V 08 18 14 07.8–1.6 51.75N–.09 178.48W–.05 10–1 4.4b,4.2L
IDC V 08 18 14 10.6–2.8 51.86N 178.68W 38–23 4.8s,4.2
ISC Event type se.
AEIC Event type se. Error ellipse: s-maj=9.2km s-min=4.5km az=169.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=15.1km s-min=4.1km az=166.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=19.2km s-min=11.6km az=166.0.
ISC V 08 18 38 54.8–.58 51.57N–.08 178.48W–.02 10 4.1b 195 0-151
IDC V 08 18 38 53.4–.67 51.69N 178.59W 0 3.9,3.9b **¶610689820**
AEIC V 08 18 38 54.7–2.3 51.7N–.10 178.46W–.06 9–5 3.9,3.9b
NEIC V 08 18 38 55.8–2.2 51.6N–.10 178.51W–.06 10–1 4.1b,3.9L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 08 18 57 18.2–.82 51.57N–.10 178.46W–.03 10 3.7b 31 0-86
IDC V 08 18 57 17.2–1.1 51.67N 178.33W 0 3.9L,3.6 **¶611150247**
AEIC V 08 18 57 18.7–1.7 51.65N–.07 178.45W–.01 5–6 3.9L,3.6
NEIC V 08 18 57 18.2–.97 51.53N–.03 178.46W–.02 10–1 3.5L,3.6
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 08 18 59 03.0–.73 51.6N–.10 178.45W–.03 10 3.7b 31 0-147
IDC V 08 18 59 02.2–1.3 51.83N 178.49W 0 4.0L,3.6 **¶610689822**
NEIC V 08 18 59 03.0–1.9 51.5N–.20 178.46W–.08 14–8 3.9b,3.5L
AEIC V 08 18 59 04.7–1.5 51.8N–.10 178.48W–.04 24–6 3.9b,3.5L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC V 08 19 03 50.8–1.2 51.5N–.20 178.46W–.06 10 3.5b 28 1-58
IDC V 08 19 03 50.2–3.1 51.22N 178.36W 0 3.8L,3.5 **¶611150249**
NEIC V 08 19 03 50.1–2.0 51.4N–.20 178.5W–.20 10–2 3.7b,3.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC V 08 19 12 58.1–.74 51.52N–.03 178.37W–.02 10–2 3.4L
AEIC V 08 19 12 59.1–1.0 51.68N–.09 178.42W–.02 20–5 3.4L **¶611150263**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC V 08 19 24 54.1–.68 50.96N–.06 176.94W–.05 10 4.0b 76 1-86
IDC V 08 19 24 53.9–1.2 51.40N 177.17W 0 4.3s,4.0L **¶610618193**
NEIC V 08 19 24 55.1–1.2 51.00N–.04 176.92W–.07 10–2 4.2L,4.0b
AEIC V 08 19 24 57.2–1.3 51.04N–.04 176.77W–.09 12–6 4.2L,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC V 08 19 52 19.6–.63 51.6N–.10 178.50W–.06 10 4.1b 197 1-151
IDC V 08 19 52 18.1–.67 51.67N 178.53W 0 4.0,3.9b **¶616918744**
NEIC V 08 19 52 19.5–1.7 51.5N–.20 178.5W–.10 6–5 4.2b,3.4L
AEIC V 08 19 52 20.1–2.5 51.7N–.20 178.4W–.10 4–5 4.2b,3.4L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC V 08 19 53 18.0–.33 51.52N–.06 178.43W–.02 10 4.9b,4.7s 732 0-160
BJI V 08 19 53 14.2–.00 51.60N 178.40W 10 5.0b,5.0s **¶610689824**
MOS V 08 19 53 18.2–1.3 51.62N 178.46W 20 4.8b,4.4s
NEIC V 08 19 53 18.9–1.5 51.66N–.09 178.49W–.06 10–1 5.0L,5.0b
IDC V 08 19 53 21.6–1.5 51.74N 178.56W 33–10 4.8L,4.4
ISC Event type se.
MOS Error ellipse: s-maj=7.2km s-min=6.4km az=65.2.
NEIC Event type se. Error ellipse: s-maj=15.7km s-min=4.9km az=167.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=13.3km s-min=7.9km az=163.0.
ISC V 08 19 53 50.0–.51 51.6N–.10 178.54W–.08 10 4.8b 90 5-151
NEIC V 08 19 53 50.8–1.1 51.6N–.20 178.6W–.20 10–1 4.9b **¶616918745**
GCMT V 08 19 53 51.8–.40 51.63N–.03 178.31W–.03 13–2 5.0W
IDC V 08 19 53 53.7–2.4 51.68N 178.67W 30–15 4.9L,4.5
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=32.1km s-min=20.3km az=175.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s7,c7; s80,c104;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.39±.24 $M_{\theta\theta}$-2.87±.25; $M_{\phi\phi}$3.26±.25; $M_{r\theta}$1.88±.78; $M_{\theta\phi}$-1.93±.19; $M_{\phi r}$0.13±.48; Best double couple: NP1:ϕ_s301.00000°,δ77.00000°,λ-157.00000°. NP2:ϕ_s206.00000°,δ68.00000°,λ-14.00000°. Principal axes: T 3.8590,Plg6.0000° ,Azm72.0000°; N 0.4420,Plg64.0000°,Azm330.0000°; P -4.2990,Plg25.0000°,Azm165.0000° $M_0$4.07900×10^{16}
IDC Error ellipse: s-maj=18.2km s-min=11.5km az=170.0.
ISC V 08 19 55 09.1–.78 51.7N–.10 178.38W–.04 10 4.0b 21 0-147
NEIC V 08 19 55 08.5–1.1 51.56N–.04 178.36W–.02 13–2 4.1L **¶610689829**
AEIC V 08 19 55 09.2–1.2 51.7N–.10 178.42W–.06 13–3 4.1L
IDC V 08 19 55 10.6–1.2 51.20N 177.75W 0 4.1,4.1L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=5.4km s-min=1.6km az=166.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=19.8km s-min=2.5km az=166.0. hypocenter. manual.
IDC Error ellipse: s-maj=79.1km s-min=25.9km az=162.0.
ISC V 08 20 10 42.8–.83 51.6N–.10 178.45W–.03 10 3.3b 27 0-151
IDC V 08 20 10 42.2–1.2 51.22N 178.14W 0 3.5,3.3b **¶610689830**
NEIC V 08 20 10 42.2–1.0 51.51N–.05 178.44W–.06 16–8 3.9L,3.3b
AEIC V 08 20 10 43.5–1.8 51.75N–.10 178.45W–.05 21–7 3.9L,3.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC V 08 20 10 58.0–.87 51.5N–.20 178.49W–.09 10 3.7b 14 5-151
IDC V 08 20 10 56.5–.83 51.53N 178.56W 0 4.3L,3.6 **¶610689833**
ISC Event type ke.
IDC Error ellipse: s-maj=28.4km s-min=17.2km az=174.0.
ISC V 08 20 15 29.3–.83 51.61N–.10 178.48W–.03 10 3.2b 17 0-60
IDC V 08 20 15 26.1–2.6 51.27N 178.29W 0 3.2,3.1b **¶611150317**
AEIC V 08 20 15 28.8–3.4 51.75N–.06 178.52W–.04 2–6 3.2,3.1b
NEIC V 08 20 15 29.4–.79 51.62N–.03 178.504W–.01 2–9 3.6L,3.1b
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 08 20 17 05.7–1.4 50.87N–.09 176.82W–.08 10 18 1-35
NEIC V 08 20 17 04.6–.72 50.82N–.01 176.81W–.10 10–2 3.5L **¶610689835**
IDC V 08 20 17 08.3–7.3 51.46N 177.16W 0 3.5,3.2b
AEIC V 08 20 17 08.4–.98 50.97N–.08 176.90W–.06 50–10 3.5,3.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC V 08 20 17 35.7–1.5 51.7N–.20 178.42W–.04 12–10 3.6b 19 0-86
IDC V 08 20 17 34.2–1.9 51.78N 178.58W 0 4.1L,3.6 **¶610689838**
NEIC V 08 20 17 35.3–1.9 51.55N–.02 178.45W–.02 10–2 4.1L,3.6
AEIC V 08 20 17 35.4–1.6 51.80N–.09 178.35W–.04 17–4 4.1L,3.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC V 08 20 23 15.5–.44 51.63N–.08 178.46W–.03 10 4.5b 389 0-157
AEIC V 08 20 23 15.3–2.0 51.7N–.10 178.48W–.03 8–4 4.5b **¶611150326**
NEIC V 08 20 23 16.0–1.9 51.62N–.08 178.50W–.02 10–1 4.5L,4.5b
IDC V 08 20 23 19.3–2.7 51.75N 178.36W 33–19 4.5L,4.1
ISC Event type se.
AEIC Event type se. Error ellipse: s-maj=15.7km s-min=2.5km az=176.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=13.5km s-min=3.5km az=178.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=18.5km s-min=10.5km az=167.0.
ISC V 08 20 28 13.9–.56 51.5N–.10 178.48W–.05 10 4.4b 314 1-151

IDC V 08 20 28 12.5–.66 51.82N 178.62W 0 4.0L,3.9 **¶611150329**
AEIC V 08 20 28 13.7–1.5 51.6N–.10 178.45W–.07 3–4 4.0L,3.9
NEIC V 08 20 28 15.3–1.5 51.60N–.06 178.45W–.06 10–1 4.5L,4.4b
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 08 20 31 09.1–.74 51.5N–.10 178.43W–.03 10 3.9b 60 0-151
IDC V 08 20 31 08.3–1.1 51.45N 178.41W 0 3.9,3.7b **¶610689840**
NEIC V 08 20 31 08.3–2.5 51.45N–.08 178.40W–.06 10–1 4.0b,3.9L
AEIC V 08 20 31 08.6–2.7 51.6N–.10 178.43W–.06 7–5 4.0b,3.9L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC V 08 20 34 29.7–2.5 51.5N–.10 178.47W–.04 2–13 3.5b 41 0-121
AEIC V 08 20 34 30.1–4.4 51.7N–.20 178.56W–.08 16–6 3.5b **¶611150332**
NEIC V 08 20 34 30.6–3.0 51.6N–.10 178.5W–.10 10–2 4.0b,3.7L
IDC V 08 20 34 31.5–1.5 51.71N 178.07W 0 3.8s,3.5
ISC Event type se.
AEIC Event type se. Error ellipse: s-maj=24.8km s-min=4.8km az=167.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=20.8km s-min=7.7km az=154.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=41.7km s-min=27.9km az=162.0.
ISC V 08 20 39 49.7–.66 51.61N–.08 178.47W–.04 15–3 4.7b,3.4s 540 1-151
AEIC V 08 20 39 48.3–2.0 51.6N–.10 178.42W–.08 3–3 4.7b,3.4s **¶610618182**
MOS V 08 20 39 48.9–.94 51.71N 178.57W 21 4.8b,3.4s
NEIC V 08 20 39 50.0–1.9 51.7N–.10 178.50W–.07 10–1 4.7b,4.6L
IDC V 08 20 39 54.2–2.1 51.80N 178.57W 46–19 4.3,4.1L
ISC Event type se.
AEIC Event type se. Error ellipse: s-maj=17.8km s-min=6.1km az=164.0. hypocenter. manual.
MOS Error ellipse: s-maj=10.0km s-min=7.4km az=51.8.
NEIC Event type se. Error ellipse: s-maj=19.9km s-min=5.5km az=167.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=19.4km s-min=9.4km az=173.0.
ISC V 08 21 02 38.0–1.0 51.6N–.10 178.41W–.03 10 3.4b 29 0-58
NEIC V 08 21 02 37.7–1.8 51.6N–.10 178.40W–.06 14–7 3.7b,3.5L **¶610689844**
AEIC V 08 21 02 38.3–2.3 51.7N–.10 178.43W–.06 13–5 3.7b,3.5L
IDC V 08 21 02 42.9–3.0 51.13N 177.42W 0 3.3,3.2s
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.2km s-min=1.5km az=163.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=16.0km s-min=3.5km az=166.0. hypocenter. manual.
IDC Error ellipse: s-maj=78.5km s-min=45.3km az=5.0.
ISC V 08 21 03 48.5–.87 51.5N–.10 178.41W–.03 10 3.9b 66 0-121
IDC V 08 21 03 47.2–1.8 51.29N 178.45W 0 3.7,3.6s **¶610689845**
NEIC V 08 21 03 47.6–1.8 51.47N–.09 178.42W–.06 10–2 4.0L,3.9b
AEIC V 08 21 03 48.6–2.6 51.6N–.10 178.44W–.07 13–5 4.0L,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC V 08 21 09 51.2–2.0 50.87N–.03 176.62W–.06 10–1 3.8b,3.8L
AEIC V 08 21 09 54.5–2.2 50.91N–.04 176.75W–.08 28–6 3.8b,3.8L **¶611150363**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC V 08 21 24 52.1–1.7 51.56N–.06 178.44W–.06 15–8 4.0L,3.7b
AEIC V 08 21 24 51.9–2.3 51.6N–.10 178.47W–.05 7–6 4.0L,3.7b **¶616997653**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC V 08 21 25 22.3–.38 51.58N–.06 178.46W–.03 10 4.6b,3.6s 411 0-151
AEIC V 08 21 25 19.2–2.0 51.42N–.08 178.55W–.06 5–4 4.6b,3.6s **¶610618189**
NEIC V 08 21 25 22.9–1.9 51.69N–.10 178.48W–.06 10–1 4.6b,4.3L
MOS V 08 21 25 22.4–1.0 51.59N 178.49W 24 4.6b,4.3L
IDC V 08 21 25 24.0–2.3 51.66N 178.54W 19–13 4.2,4.1b
ISC Event type se.
AEIC Event type se. Error ellipse: s-maj=12.4km s-min=4.3km az=162.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=16.9km s-min=5.1km az=167.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=8.6km s-min=6.7km az=80.0.
IDC Error ellipse: s-maj=16.5km s-min=10.5km az=163.0.
ISC V 08 21 26 02.0–.57 51.6N–.10 178.32W–.06 10 4.4b,3.4s 80 1-151
NEIC V 08 21 26 01.9–2.3 51.6N–.10 178.5W–.10 10–1 4.6b,3.4s **¶616918754**
IDC V 08 21 26 02.9–3.5 51.57N 178.38W 12–20 4.2,4.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=25.9km s-min=8.7km az=163.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=21.1km s-min=14.0km az=168.0.
NEIC V 08 21 33 01.8–1.2 51.6N–.20 178.42W–.07 17–9 3.9b,3.6L
AEIC V 08 21 33 02.2–2.5 51.7N–.10 178.42W–.01 13–4 3.9b,3.6L **¶611150383**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC V 08 21 47 40.6–.64 51.7N–.10 178.60W–.05 10 4.0b 147 1-90
IDC V 08 21 47 39.1–.80 51.88N 178.71W 0 3.8L,3.7 **¶611150390**
AEIC V 08 21 47 40.9–2.7 51.7N–.20 178.58W–.07 9–5 3.8L,3.7
NEIC V 08 21 47 40.1–2.5 51.6N–.20 178.59W–.08 7–7 4.1L,4.0b
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 08 21 52 44.9–.84 51.58N–.09 178.40W–.03 14–4 3.8b 76 0-85
IDC V 08 21 52 40.7–1.9 51.17N 179.24W 0 3.6,3.6b **¶616918741**
NEIC V 08 21 52 44.2–.91 51.52N–.08 178.41W–.05 10–1 4.0L,3.9b
AEIC V 08 21 52 45.5–2.3 51.8N–.10 178.42W–.03 21–4 4.0L,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC V 08 21 53 07.3–.94 51.55N–.07 178.40W–.04 7–5 4.8b,4.1s 575 1-157
MOS V 08 21 53 07.0–1.4 51.67N 178.44W 14 4.8b,4.1s **¶610689850**
BJI V 08 21 53 08.1–.00 51.82N 179.02W 10 4.9b,4.7b
IDC V 08 21 53 08.2–1.8 51.69N 178.56W 10–10 4.6L,4.4
NEIC V 08 21 53 08.2–1.6 51.6N–.10 178.46W–.07 10–4 4.9b,4.5L
GCMT V 08 21 53 09.1–.50 51.55N–.05 178.16W–.05 17–1 4.8W,4.5L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s19,c19; s63,c86;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.15±.24 $M_{\theta\theta}$0.96±.16; $M_{\phi\phi}$1.19±.13; $M_{r\theta}$-0.94±.44; $M_{\theta\phi}$-1.04±.08; $M_{\phi r}$-0.48±.31; Best double couple: NP1:ϕ_s117.00000°,δ53.00000° ,λ-117.00000°. NP2:ϕ_s338.00000°,δ45.00000°,λ-59.00000°. Principal axes: T 2.1390,Plg4.0000°,Azm226.0000°; N 0.4250,Plg21.0000°,Azm135.0000° ; P -2.5670,Plg68.0000°,Azm326.0000° $M_0$2.35300×10^{16}
NEIC V 08 21 59 15.1–1.6 51.52N–.10 178.39W–.06 12–7 3.8b,3.4L
AEIC V 08 21 59 16.3–1.6 51.7N–.20 178.40W–.07 11–6 3.8b,3.4L **¶611150404**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC V 08 21 59 59.2–1.7 51.57N–.07 178.37W–.06 16–7 3.9b,3.5L
AEIC V 08 21 59 59.1–2.9 51.6N–.10 178.41W–.05 9–6 3.9b,3.5L **¶611150407**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC V 08 22 20 26.4–1.5 51.46N–.07 178.44W–.07 10–1 3.8b,3.5L
AEIC V 08 22 20 27.6–2.3 51.6N–.10 178.42W–.04 13–4 3.8b,3.5L **¶611150412**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC V 08 22 21 56.9–1.6 51.39N–.04 178.39W–.02 10–2 3.9L,3.8b
AEIC V 08 22 22 00.2–3.4 51.78N–.09 178.49W–.04 22–7 3.9L,3.8b **¶610618192**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC V 08 22 22 26.2–.49 51.45N–.09 178.37W–.03 10 4.4b,3.5s 358 1-151
IDC V 08 22 22 24.9–.63 51.67N 178.55W 0 4.1,4.1b **¶611150413**
AEIC V 08 22 22 25.5–1.6 51.6N–.10 178.37W–.06 3–4 4.1,4.1b
MOS V 08 22 22 25.6–1.1 51.44N 178.36W 20 4.6b,4.1b
NEIC V 08 22 22 26.0–1.4 51.5N–.10 178.44W–.06 10–1 4.5L,4.5b
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 08 22 27 02.0–1.9 51.5N–.10 178.50W–.03 10–10 4.0b 153 0-86
IDC V 08 22 27 00.6–.99 51.61N 178.66W 0 3.9,3.9L **¶610689854**
AEIC V 08 22 27 03.0–1.6 51.7N–.10 178.50W–.06 11–5 3.9,3.9L
NEIC V 08 22 27 03.3–1.7 51.6N–.20 178.48W–.06 19–6 4.0b,4.0L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 08 23 37 57.5–1.6 51.5N–.10 178.51W–.03 3–10 3.7b 79 0-46
NEIC V 08 23 37 57.7–1.4 51.5N–.10 178.52W–.06 3–9 3.8b,3.3L **¶610689856**
IDC V 08 23 37 58.8–2.8 51.66N 178.44W 0 3.7L,3.6
AEIC V 08 23 37 59–2.6 51.7N–.10 178.51W–.04 12–5 3.7L,3.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC V 08 23 43 51.7–.43 51.62N–.07 178.43W–.03 10 4.5b,3.5s 392 0-151
AEIC V 08 23 43 51.4–2.3 51.7N–.10 178.43W–.06 10–4 4.5b,3.5s **¶611150444**
NEIC V 08 23 43 52.4–2.1 51.64N–.09 178.44W–.06 10–1 4.5b,4.2L
IDC V 08 23 43 53.5–4.2 51.84N 178.50W 21–26 4.3L,4.0
ISC Event type se.
AEIC Event type se. Error ellipse: s-maj=15.2km s-min=4.3km az=169.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=16.3km s-min=5.2km az=167.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=20.1km s-min=11.2km az=172.0.
ISC V 09 00 36 50.1–1.5 51.53N–.07 178.50W–.03 3–10 3.5b 39 0-58
AEIC V 09 00 36 52.2–3.2 51.73N–.09 178.48W–.04 13–5 3.5b **¶610689857**
NEIC V 09 00 36 52.1–1.7 51.61N–.05 178.48W–.04 15–6 3.7b,3.2L
IDC V 09 00 36 53.3–2.6 51.42N 178.01W 0 4.0L,3.4
ISC Event type se.
AEIC Event type se. Error ellipse: s-maj=12.5km s-min=3.3km az=169.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=7.0km s-min=3.3km az=182.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=75.6km s-min=34.1km az=7.0.
ISC V 09 00 54 53.0–.63 51.4N–.10 178.45W–.05 10 4.2b 201 1-121
IDC V 09 00 54 50.4–.76 51.79N 178.86W 0 4.0,3.9b **¶610689858**
AEIC V 09 00 54 51.4–3.0 51.7N–.10 178.41W–.07 5–4 4.0,3.9b
NEIC V 09 00 54 53.8–1.6 51.5N–.10 178.55W–.09 10–1 4.2b,4.1L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 09 00 58 28.1–.52 51.57N–.09 178.51W–.04 10 4.3b,3.3s 329 1-151
IDC V 09 00 58 26.1–.63 51.81N 178.70W 0 4.1L,4.0 **¶610618207**
AEIC V 09 00 58 26.8–2.0 51.6N–.10 178.42W–.09 4–5 4.1L,4.0
MOS V 09 00 58 27.2–1.3 51.62N 178.64W 17 4.5b,4.0
NEIC V 09 00 58 28.9–1.3 51.5N–.20 178.53W–.07 10–6 4.3b,4.2L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 09 01 00 54.6–1.9 51.5N–.10 178.52W–.03 6–11 3.4b 29 0-60
IDC V 09 01 00 53.3–2.4 51.58N 178.78W 0 3.4,3.3b **¶610689859**
NEIC V 09 01 00 54.9–.58 51.50N–.04 178.51W–.03 7–5 3.4L,3.3b
AEIC V 09 01 00 55.6–1.1 51.62N–.04 178.52W–.02 5–6 3.4L,3.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC V 09 01 48 41.8–.93 50.97N–.08 176.79W–.04 10 3.8b 56 1-69
IDC V 09 01 48 41.9–2.9 51.38N 176.81W 0 4.1,4.1b **¶610689862**
NEIC V 09 01 48 42.7–1.7 51.02N–.05 176.80W–.07 10–2 3.8b,3.6L
AEIC V 09 01 48 44.4–1.2 51.04N–.08 176.78W–.05 16–7 3.8b,3.6L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC V 09 02 10 54.4–.87 51.54N–.09 178.48W–.03 10 3.6b 30 0-121
IDC V 09 02 10 53.8–14 51.17N 178.25W 0 3.5,3.5b **¶610689865**
AEIC V 09 02 10 53.6–1.9 51.63N–.03 178.47W–.02 3–4 3.7L,3.5b
NEIC V 09 02 10 53.4–.87 51.50N–.03 178.45W–.03 5–8 3.7L,3.5b
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 09 02 43 23.4–.83 51.52N–.09 178.44W–.03 10 3.5b 37 0-58
NEIC V 09 02 43 22.1–1.2 51.45N–.04 178.40W–.03 5–7 3.5b **¶610689868**
AEIC V 09 02 43 23.1–1.9 51.63N–.06 178.43W–.03 4–6 3.8b,3.7L
IDC V 09 02 43 23.4–7.4 51.77N 178.63W 0 3.8L,3.5
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=5.1km s-min=2.8km az=190.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=9.0km s-min=2.6km az=175.0. hypocenter. manual.
IDC Error ellipse: s-maj=137.8km s-min=60.4km az=90.0.
ISC V 09 03 00 58.7–.72 51.53N–.09 178.41W–.03 10 3.8b 86 0-121
IDC V 09 03 00 57.5–1.1 51.63N 178.32W 0 3.8L,3.7 **¶610689869**
NEIC V 09 03 00 59.4–2.0 51.58N–.08 178.40W–.06 10–2 4.1L,3.9b
AEIC V 09 03 00 59.4–2.5 51.7N–.10 178.41W–.07 13–5 4.1L,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC V 09 03 47 10.5–.88 51.52N–.09 178.42W–.03 10 3.7b 55 0-121
AEIC V 09 03 47 09.8–2.3 51.60N–.06 178.41W–.04 1–2 3.7b **¶610689870**
NEIC V 09 03 47 10.8–1.8 51.51N–.05 178.38W–.04 12–3 3.8b,3.8L
IDC V 09 03 47 12.3–2.0 51.97N 178.07W 0 3.7L,3.5
ISC Event type se.
AEIC Event type se. Error ellipse: s-maj=9.2km s-min=3.5km az=181.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=7.4km s-min=3.8km az=171.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=59.6km s-min=22.1km az=10.0.
ISC V 09 03 56 08.2–1.7 51.52N–.09 178.47W–.03 4–10 3.5b 51 0-58
IDC V 09 03 56 06.1–1.7 51.46N 178.78W 0 3.6s,3.2 **¶610689871**
NEIC V 09 03 56 08.3–1.9 51.52N–.02 178.48W–.04 4–7 3.8b,3.7L
AEIC V 09 03 56 09.6–2.6 51.69N–.06 178.44W–.04 5–6 3.8b,3.7L
ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC V 09 04 12 36.9–.89 51.53N–.09 178.45W–.03 10 3.5b 26 0-58
IDC V 09 04 12 36.7–3.6 51.56N 178.07W 0 3.3,3.1b **¶610689872**
NEIC V 09 04 12 36.6–.65 51.49N–.03 178.45W–.03 5–9 3.3L,3.1b
AEIC V 09 04 12 38.2–2.0 51.68N–.04 178.46W–.04 10–3 3.3L,3.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC V 09 04 38 38.2–.65 51.61N–.10 178.56W–.02 10 4.1b,3.5s 258 0-147
NEIC V 09 04 38 37.8–1.7 51.55N–.08 178.57W–.04 10–1 4.3L,4.2b **¶610689873**
AEIC V 09 04 38 37.7–2.1 51.7N–.10 178.59W–.06 7–4 4.3L,4.2b
IDC V 09 04 38 39.1–.74 52.16N 178.36W 0 3.8,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.1km s-min=4.4km az=353.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=15.7km s-min=4.7km az=170.0. hypocenter. manual.
IDC Error ellipse: s-maj=24.2km s-min=13.9km az=174.0.
ISC V 09 05 36 50.3–.57 51.56N–.09 178.41W–.03 10 4.4b,3.2s 226 0-121
IDC V 09 05 36 48.7–.81 51.64N 178.56W 0 4.0,4.0b **¶610618214**
AEIC V 09 05 36 49.8–2.5 51.62N–.10 178.41W–.09 3–5 4.0,4.0b
NEIC V 09 05 36 50.9–2.1 51.61N–.08 178.42W–.07 10–1 4.3b,4.1L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 09 05 37 50.1–1.4 51.59N–.07 178.47W–.03 8–8 4.3b 165 0-147
IDC V 09 05 37 49.1–.63 51.68N 178.57W 0 4.0,4.0b **¶616918740**
NEIC V 09 05 37 49.8–1.4 51.53N–.08 178.45W–.04 1–2 4.4b,4.0L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 09 05 41 19.2–.90 51.54N–.08 178.42W–.03 10 3.4b 32 0-58
IDC V 09 05 41 16.7–7.5 51.51N 178.74W 0 3.5,3.5L **¶611150499**
AEIC V 09 05 41 19.9–2.7 51.64N–.04 178.44W–.02 6–6 3.5,3.5L
NEIC V 09 05 41 20.0–.66 51.60N–.06 178.42W–.03 19–5 3.4L,3.5L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 09 06 18 59.9–.74 51.55N–.09 178.58W–.03 10 3.9b 166 0-86
IDC V 09 06 18 58.9–1.1 51.60N 178.39W 0 3.8,3.6b **¶610689879**
AEIC V 09 06 18 59.7–2.8 51.7N–.10 178.56W–.06 4–6 3.8,3.6b
NEIC V 09 06 19 00.2–2.2 51.59N–.09 178.58W–.05 10–2 4.0b,3.9L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 09 07 42 11.1–.75 51.56N–.08 178.48W–.03 10 3.6b,2.8s 35 0-86
IDC V 09 07 42 10.2–1.2 51.56N 178.45W 0 3.6,3.5L **¶611150525**
NEIC V 09 07 42 10.7–1.5 51.54N–.04 178.48W–.04 10–1 3.6L,3.5L
AEIC V 09 07 42 11.7–2.4 51.73N–.05 178.44W–.05 9–6 3.6L,3.5L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC V 09 08 59 05.9–.31 51.17N–.04 177.13W–.02 32–1 5.6b,5.1s 2006 1-160
MOS V 09 08 59 03.5–1.0 51.16N 177.11W 28 5.8b,5.1s **¶616639907**
NEIC V 09 08 59 03.4 50.79N 177.17W 16 5.8b,5.1s
NEIC V 09 08 59 03.4 51.09N 177.17W 16 5.8b,5.1s
NEIC V 09 08 59 03.4–2.2 51.03N–.05 177.04W–.06 16–1 5.6b,5.5
BJI V 09 08 59 03.0–.00 51.24N 177.23W 29 5.6b,5.6b
AEIC V 09 08 59 04.5–2.6 50.97N–.05 177.03W–.06 38–4 5.6b,5.6b
GCMT V 09 08 59 05.1–.10 51.08N–.01 176.91W–.01 13–0 5.4W,5.6b
IDC V 09 08 59 05.8–2.9 51.21N 177.12W 32–21 5.2,5.2L
NEIC V 09 08 59 06.8 51.17N 177.16W 36 5.2,5.2L
BGR V 09 08 59 10.0 51.63N 177.95W 33 5.8b,5.0s
ISC Event type ke.
MOS Error ellipse: s-maj=6.3km s-min=3.9km az=103.7.
NEIC Event type se. Moment Tensor Solution.Duration: 2^{s}7 Moment tensor: Scale 10^{17}Nm; M_{rr}0.86 $M_{\theta\theta}$-0.95 $M_{\phi\phi}$0.08 $M_{r\theta}$1.47 $M_{\theta\phi}$-0.24 $M_{\phi r}$0.76 NP1:ϕ_s64.38000°,δ75.70000° ,λ82.31000°. NP2:ϕ_s273.06000°,δ16.19000°,λ117.71000°. Principal axes: T 1.8621,Plg59.0000°,Azm324.0000°; N 0.0824,Plg7.0000°,Azm66.0000° ; P -1.9446,Plg30.0000°,Azm161.0000° $M_0$1.90000$\times10^{17}$
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=5.7km az=156.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.84 $M_{\theta\theta}$-0.82 $M_{\phi\phi}$-0.03 $M_{r\theta}$0.61 $M_{\theta\phi}$-0.08 $M_{\phi r}$0.47 NP1:ϕ_s279.41000°,δ27.62000°,λ121.44000°. NP2:ϕ_s64.80000°,δ66.70000° ,λ74.73000°. Principal axes: T 1.1918,Plg65.0000°,Azm309.0000°; N -0.1218,Plg14.0000° ,Azm71.0000°; P -1.0700,Plg20.0000°,Azm166.0000° $M_0$1.14000$\times10^{17}$
AEIC Event type se. Error ellipse: s-maj=7.9km s-min=5.4km az=166.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s135,c226; s146,c283;Duration: 1^{s}3 Moment tensor: Scale 10^{17}Nm; M_{rr}1.33±.03 $M_{\theta\theta}$-1.29±.02; $M_{\phi\phi}$-0.04±.02; $M_{r\theta}$0.93±.05; $M_{\theta\phi}$-0.48±.02; $M_{\phi r}$0.59±.05; Best double couple: NP1:ϕ_s62.00000°,δ64.00000°,λ82.00000°. NP2:ϕ_s261.00000°,δ27.00000°,λ106.00000°. Principal axes: T 1.7300,Plg70.0000° ,Azm316.0000°; N 0.0850,Plg7.0000°,Azm66.0000°; P -1.8220,Plg19.0000°,Azm158.0000° $M_0$1.77600$\times10^{17}$
IDC Error ellipse: s-maj=11.9km s-min=7.4km az=163.0.
NEIC Event type se.
BGR Event type ke.
ISC V 09 09 01 58.2–.38 50.98N–.04 176.72W–.03 19–1 5.4b,5.2s 840 1-159
BJI V 09 09 01 53.8–.00 51.06N 176.58W 9 5.5s,5.4b **¶610618945**
IDC V 09 09 01 56.1–.54 51.14N 176.84W 0 5.1s,4.9
NEIC V 09 09 01 57 51.00N 176.72W 10 5.1s,4.9
NEIC V 09 09 01 57.9–1.6 50.93N–.05 176.81W–.06 19–1 5.5b,5.3
NEIC V 09 09 01 58.2 50.19N 176.74W 36 5.5b,5.3
NEIC V 09 09 01 58.2 50.99N 176.74W 36 5.5b,5.3
AEIC V 09 09 01 59.3–1.6 50.93N–.05 176.83W–.04 29–3 5.5b,5.3
MOS V 09 09 01 59.4–1.3 51.03N 176.73W 38 5.6b,5.1s
GCMT V 09 09 02 00.9–.20 51.00N–.01 176.79W–.02 15–0 5.4W,5.1s
ISC Event type se.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.00 $M_{\theta\theta}$-0.92 $M_{\phi\phi}$-0.08 $M_{r\theta}$0.29 $M_{\theta\phi}$-0.38 $M_{\phi r}$0.41 NP1:ϕ_s263.16000°,δ35.71000°,λ113.39000°. NP2:ϕ_s55.12000°,δ57.61000° ,λ74.08000°. Principal axes: T 1.1497,Plg72.0000°,Azm285.0000°; N -0.0004,Plg13.0000° ,Azm64.0000°; P -1.1493,Plg11.0000°,Azm157.0000° $M_0$1.15000$\times10^{17}$
NEIC Event type se. Moment Tensor Solution.Duration: 2^{s}3 Moment tensor: Scale 10^{17}Nm; M_{rr}0.65 $M_{\theta\theta}$-0.86 $M_{\phi\phi}$0.20 $M_{r\theta}$0.70 $M_{\theta\phi}$-0.11 $M_{\phi r}$0.31 NP1:ϕ_s69.50000°,δ68.48000° ,λ75.82000°. NP2:ϕ_s284.06000°,δ25.59000°,λ121.85000°. Principal axes: T 1.0067,Plg64.0000°,Azm316.0000°; N 0.1585,Plg13.0000°,Azm75.0000° ; P -1.1652,Plg22.0000°,Azm170.0000° $M_0$1.09000$\times10^{17}$
NEIC Event type se.
AEIC Event type se. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s104,c144; s139,c260;Duration: 1^{s}2 Moment tensor: Scale 10^{17}Nm; M_{rr}1.10±.04 $M_{\theta\theta}$-1.11±.03; $M_{\phi\phi}$0.01±.02; $M_{r\theta}$0.88±.06; $M_{\theta\phi}$-0.38±.02; $M_{\phi r}$0.42±.05; Best double couple: NP1:ϕ_s67.00000°,δ65.00000°,λ85.00000°. NP2:ϕ_s260.00000°,δ26.00000°,λ101.00000°. Principal axes: T 1.4590,Plg70.0000° ,Azm326.0000°; N 0.1190,Plg5.0000°,Azm69.0000°; P -1.5750,Plg20.0000°,Azm161.0000° $M_0$1.51700$\times10^{17}$
NEIC V 09 09 22 04.4–1.2 51.49N–.03 178.46W–.04 14–4 3.5b,3.4L
AEIC V 09 09 22 05.5–2.4 51.66N–.07 178.52W–.03 6–1 3.5b,3.4L **¶611150535**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC V 09 09 54 28.7–.40 50.99N–.05 177.06W–.03 10 4.6b,3.9s 568 1-147
IDC V 09 09 54 27.1–.65 51.09N 177.11W 0 4.4,4.4L **¶610619066**
NEIC V 09 09 54 28.6–1.7 50.97N–.04 177.09W–.06 10–1 4.6b,4.3L
MOS V 09 09 54 29.7–1.1 51.15N 177.10W 27 4.8b,4.3L
AEIC V 09 09 54 30.0–1.8 50.89N–.06 177.07W–.06 26–4 4.8b,4.3L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC V 09 10 08 16.3–1.1 51.48N–.08 178.47W–.06 4–5 3.7b,3.6L
AEIC V 09 10 08 17.1–1.9 51.6N–.10 178.46W–.07 4–2 3.7b,3.6L **¶611150541**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC V 09 10 13 40.9–.88 50.97N–.08 177.03W–.04 10 3.9b 80 1-69
IDC V 09 10 13 39.3–2.7 50.93N 177.03W 0 4.2L,3.7 **¶610689891**
NEIC V 09 10 13 41.0–1.4 50.97N–.05 177.02W–.07 10–2 3.8b,3.3L
AEIC V 09 10 13 43.2–1.5 51.02N–.08 176.97W–.08 16–6 3.8b,3.3L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC V 09 11 26 40.5–.89 51.14N–.07 179.02W–.03 24–10 3.5b,2.9L
AEIC V 09 11 26 41.5–1.3 51.21N–.07 179.07W–.04 27–7 3.5b,2.9L **¶611150549**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC V 09 11 33 53.0–1.3 50.87N–.08 177.00W–.04 10 3.5b 53 1-22
NEIC V 09 11 33 53.5–1.5 50.91N–.04 177.01W–.08 10–2 3.7b,3.2L **¶611150550**
AEIC V 09 11 33 56.2–1.6 50.97N–.04 177.10W–.06 26–7 3.7b,3.2L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC V 09 12 05 13.6–1.4 51.62N–.06 178.42W–.03 17–6 3.6b,3.1L
AEIC V 09 12 05 13.5–2.0 51.7N–.10 178.45W–.05 11–5 3.6b,3.1L **¶611150555**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC V 09 17 05 58.7–1.5 51.57N–.09 178.40W–.03 13–9 3.4b 34 0-58
NEIC V 09 17 05 57.0–1.3 51.41N–.03 178.38W–.03 2–9 3.4L **¶610689904**
AEIC V 09 17 05 59.0–2.0 51.64N–.05 178.38W–.02 8–1 3.4L
IDC V 09 17 06 01.0–20 51.72N 177.67W 0 3.9s,3.2
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=5.1km s-min=1.7km az=205.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=6.9km s-min=2.2km az=180.0. hypocenter. manual.
IDC Error ellipse: s-maj=381.3km s-min=77.1km az=84.0.
ISC V 09 17 27 25.2–2.0 51.6N–.10 178.43W–.04 11–10 4.0b 208 0-121
IDC V 09 17 27 21.6–5.9 51.90N 178.95W 0 3.9L,3.6 **¶610689907**
NEIC V 09 17 27 26.4–1.6 51.7N–.10 178.42W–.04 21–10 4.0b,3.9L
AEIC V 09 17 27 26.3–1.7 51.7N–.10 178.42W–.05 15–4 4.0b,3.9L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC V 09 20 09 09.8–.78 51.67N–.07 178.40W–.03 20–3 4.8b,4.0s 521 1-160
IDC V 09 20 09 06.9–.48 51.81N 178.57W 0 4.7L,4.3 **¶610619297**
MOS V 09 20 09 07.6–1.0 51.72N 178.50W 16 4.9b,4.3
AEIC V 09 20 09 07.2–2.2 51.6N–.10 178.40W–.06 2–3 4.9b,4.3
BJI V 09 20 09 08.3–.00 51.90N 178.73W 19 5.1b,4.7b
NEIC V 09 20 09 08.7–2.0 51.75N–.07 178.43W–.06 10–1 4.8L,4.8b
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 09 21 32 22.4–1.0 51.53N–.09 178.44W–.03 10 32 0-23
NEIC V 09 21 32 22.2–1.6 51.50N–.04 178.43W–.05 4–7 3.7b,3.5L **¶611150615**
AEIC V 09 21 32 23.7–2.3 51.7N–.10 178.45W–.06 13–3 3.7b,3.5L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC V 09 21 56 57.8–2.5 51.43N–.05 178.38W–.06 10–1 3.5b,3.4L
AEIC V 09 21 56 58.3–2.4 51.62N–.05 178.42W–.03 5–6 3.5b,3.4L **¶611150616**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC V 10 00 07 45.1–2.0 51.6N–.10 178.42W–.03 11–11 3.5b 50 0-58
IDC V 10 00 07 45.9–2.2 51.95N 178.18W 0 3.5L,3.4 **¶610689921**
AEIC V 10 00 07 46.1–1.6 51.7N–.10 178.43W–.05 16–6 3.5L,3.4
NEIC V 10 00 07 46.3–1.8 51.7N–.10 178.42W–.05 16–8 3.6b,3.3L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 10 00 39 54.8–1.6 51.6N–.10 178.46W–.02 12–9 3.7b 74 0-151
IDC V 10 00 39 53.7–1.2 51.91N 178.28W 0 3.4,3.2b **¶610689923**
AEIC V 10 00 39 55.8–1.7 51.66N–.09 178.48W–.04 12–5 3.4,3.2b
NEIC V 10 00 39 55.3–1.7 51.61N–.09 178.51W–.05 14–6 3.9b,3.7L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 10 01 10 57.3–.00 51.37N–.09 178.47W–.03 10 3.4b 51 0-47
NEIC V 10 01 10 57.9–1.9 51.39N–.04 178.48W–.03 10–1 3.5L,3.5b **¶610689924**
AEIC V 10 01 11 00.6–1.8 51.70N–.10 178.50W–.06 11–5 3.5L,3.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC V 10 01 11 16.9–1.8 51.53N–.09 178.46W–.03 9–10 3.7b 60 0-58
IDC V 10 01 11 17.4–2.5 51.64N 178.00W 0 3.6L,3.5 **¶611150631**
NEIC V 10 01 11 17.2–1.6 51.53N–.08 178.51W–.05 10–2 3.8b,3.5L
AEIC V 10 01 11 18.6–3.0 51.7N–.10 178.50W–.07 21–7 3.8b,3.5L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC V 10 04 33 10.1–.95 51.49N–.10 178.38W–.03 10 3.5b,2.4s 26 0-58
IDC V 10 04 33 06.2–6.9 51.49N 179.02W 0 4.0L,3.4 **¶610689934**
NEIC V 10 04 33 09.6–.71 51.44N–.04 178.37W–.03 5–8 4.0L,3.4
AEIC V 10 04 33 10.8–1.1 51.58N–.04 178.39W–.03 7–6 3.6L,3.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC V 10 05 03 25.7–1.0 51.55N–.09 175.15W–.03 10 55 1-56
IDC V 10 05 03 17.3–4.5 51.68N 176.69W 0 4.3L,3.6 **¶610689938**
NEIC V 10 05 03 25.8–2.4 51.57N–.06 175.13W–.02 10–2 3.6L,3.5b
AEIC V 10 05 03 27.8–1.9 51.64N–.10 175.12W–.03 26–8 3.6L,3.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC V 10 07 19 54.8–1.6 51.57N–.09 178.41W–.03 8–11 3.5b 40 0-58
IDC V 10 07 19 48.4–15 52.37N 179.91W 0 3.3,3.3L **¶610689947**

NEIC V 10 07 19 55.3–1.7 51.55N–.05 178.40W–.06 18–6 3.4L,3.3L
AEIC V 10 07 19 55.6–2.3 51.63N–.05 178.41W–.04 11–5 3.4L,3.3L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC V 10 07 22 47.1–.69 51.47N–.09 178.39W–.03 10 3.9b,2.4s 202 0-151
NEIC V 10 07 22 47.9–1.9 51.55N–.09 178.41W–.05 10–1 3.9L,3.9b **¶610619323**
AEIC V 10 07 22 47.1–2.1 51.6N–.10 178.41W–.09 5–6 3.9L,3.9b
IDC V 10 07 22 56.3–3.2 51.84N 178.46W 80–29 3.7,3.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.8km s-min=3.0km az=160.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=18.1km s-min=5.3km az=157.0. hypocenter. manual.
IDC Error ellipse: s-maj=33.5km s-min=14.4km az=171.0.
ISC V 10 07 59 57.9–.34 51.67N–.03 178.47W–.02 16–1 5.6s,5.5b 1737 0-160
AEIC V 10 07 59 54.7–2.0 51.58N–.07 178.42W–.05 2–2 5.6s,5.5b **¶610619328**
MOS V 10 07 59 55.1–1.3 51.75N 178.43W 10 5.5b,5.5s
BJI V 10 07 59 56.3–.00 52.14N 178.97W 10 5.7s,5.6
IDC V 10 07 59 57.4–1.2 51.87N 178.54W 15–6 5.4s,5.3L
NEIC V 10 07 59 57.5 51.50N 178.46W 12 5.4s,5.3L
NEIC V 10 07 59 57.5–2.2 51.76N–.08 178.48W–.06 11–1 5.8L,5.8
NEIC V 10 07 59 57.5 51.70N 178.46W 12 5.8L,5.8
NEIC V 10 07 59 57.3 51.70N 178.46W 10 5.8L,5.8
GCMT V 10 08 00 00.4–.10 51.76N 178.35W 12 5.8W,5.8
BGR V 10 08 00 02.3 51.37N 177.65W 33 5.4s,5.0b
ISC Event type ke.
AEIC Event type se. Error ellipse: s-maj=10.5km s-min=3.9km az=162.0. hypocenter. manual.
MOS Error ellipse: s-maj=6.4km s-min=4.6km az=98.9.
IDC Error ellipse: s-maj=10.2km s-min=6.8km az=167.0.
NEIC Event type se. Moment Tensor Solution.Duration: 4s4 Moment tensor: Scale 10^{17}Nm; M_{rr}-5.49 $M_{\theta\theta}$1.44 $M_{\phi\phi}$4.05 $M_{r\theta}$2.36 $M_{\theta\phi}$-3.89 $M_{\phi r}$0.09 NP1:ϕ_s304.58000°,δ54.60000°,λ-116.08000°. NP2:ϕ_s164.77000°,δ42.93000°,λ-58.27000°. Principal axes: T 6.9883,Plg6.0000°,Azm53.0000°; N -0.6016,Plg21.0000°,Azm320.0000°; P -6.3867,Plg68.0000°,Azm158.0000° $M_0$6.69000×10^{17}
NEIC Event type se. Error ellipse: s-maj=14.0km s-min=5.7km az=165.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-2.30 $M_{\theta\theta}$0.01 $M_{\phi\phi}$2.29 $M_{r\theta}$1.40 $M_{\theta\phi}$-3.12 $M_{\phi r}$0.62 NP1:ϕ_s290.63000°,δ61.43000°,λ-141.76000°. NP2:ϕ_s179.98000°,δ57.07000°,λ-34.73000°. Principal axes: T 4.4868,Plg3.0000°,Azm54.0000°; N -0.7408,Plg44.0000°,Azm322.0000°; P -3.7460,Plg46.0000°,Azm147.0000° $M_0$4.17000×10^{17}
NEIC Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s129,c285; s156,c491; Duration: 2s0 Moment tensor: Scale 10^{17}Nm; M_{rr}-4.79±.04 $M_{\theta\theta}$0.88±.04; $M_{\phi\phi}$3.92±.04; $M_{r\theta}$1.69±.12; $M_{\theta\phi}$-4.42±.04; $M_{\phi r}$1.02±.11; Best double couple: NP1:ϕ_s299.00000°,δ52.00000°,λ-127.00000°. NP2:ϕ_s170.00000°,δ51.00000°,λ-52.00000°. Principal axes: T 7.0750,Plg1.0000°,Azm54.0000°; N -1.1990,Plg29.0000°,Azm324.0000°; P -5.8700,Plg61.0000°,Azm146.0000° $M_0$6.47200×10^{17}
BGR Event type ke.
ISC V 10 08 01 26.3–1.1 51.6N–.10 178.46W–.03 10 17 0-10
NEIC V 10 08 01 26.2–2.1 51.49N–.06 178.44W–.05 6–8 4.7L **¶611150669**
AEIC V 10 08 01 26.7–1.8 51.62N–.09 178.48W–.04 3–6 4.7L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC V 10 08 02 16.5–1.3 51.5N–.10 178.42W–.04 10 14 0-11
AEIC V 10 08 02 18.7–.88 51.65N–.08 178.48W–.02 18–4 **¶611150672**
NEIC V 10 08 02 18.4–1.6 51.5N–.10 178.40W–.02 25–11 4.3L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 10 08 03 51.7–.80 51.5N–.10 178.38W–.03 10 4.0b 29 0-86
IDC V 10 08 03 49.5–3.6 52.19N 179.17W 0 4.0,3.8b **¶610689950**
NEIC V 10 08 03 50.3–.62 51.39N–.04 178.39W–.04 7–8 4.1L,3.8b
AEIC V 10 08 03 52.1–1.5 51.59N–.08 178.41W–.05 12–3 4.1L,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
IDC V 10 08 06 17.2–2.0 50.89N 177.68W 0 3.7,3.7L
¶610689953
IDC Error ellipse: s-maj=93.1km s-min=31.8km az=141.0.
ISC V 10 08 14 27.7–.72 51.55N–.08 178.45W–.03 10 3.6b 49 0-86
IDC V 10 08 14 26.6–.98 51.58N 178.36W 0 3.6,3.6L **¶610689955**
NEIC V 10 08 14 27.9–2.1 51.56N–.03 178.46W–.03 10–1 3.8b,3.7L
AEIC V 10 08 14 28.0–2.3 51.64N–.05 178.47W–.03 7–2 3.8b,3.7L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC V 10 08 20 55.9–.90 51.5N–.10 178.44W–.03 10 3.1b 38 0-58
NEIC V 10 08 20 55.4–.93 51.5N–.10 178.44W–.06 6–1 3.9b,3.6L **¶610689956**
AEIC V 10 08 20 56.1–2.0 51.62N–.08 178.43W–.02 5–6 3.9b,3.6L
IDC V 10 08 20 59.8–7.3 51.40N 177.38W 0 3.7L,3.2
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.6km s-min=4.0km az=167.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=12.2km s-min=2.1km az=180.0. hypocenter. manual.
IDC Error ellipse: s-maj=135.9km s-min=60.5km az=91.0.
ISC V 10 14 12 08.0–.98 51.58N–.09 178.47W–.03 10 21 0-58
IDC V 10 14 12 05.8–8.4 51.33N 178.58W 0 3.8L,3.3 **¶610689968**
NEIC V 10 14 12 08.6–1.4 51.61N–.03 178.44W–.03 15–0 3.8L,3.3
AEIC V 10 14 12 09–2.8 51.74N–.08 178.50W–.02 13–5 3.6L,3.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC V 10 15 24 44.3–1.2 51.46N–.08 178.41W–.03 10 28 0-16
NEIC V 10 15 24 44.8–2.3 51.49N–.05 178.42W–.02 17–3 3.8b,3.4L **¶611150722**
AEIC V 10 15 24 46.3–2.1 51.65N–.04 178.40W–.03 16–3 3.8b,3.4L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC V 10 16 12 02.3–1.5 51.53N–.09 178.49W–.03 10–9 3.7b,2.9s 87 0-86
IDC V 10 16 12 01.1–1.0 51.72N 178.68W 0 3.5,3.4b **¶610689977**
AEIC V 10 16 12 03.4–1.6 51.6N–.10 178.46W–.06 9–5 3.5,3.4b
NEIC V 10 16 12 03.1–1.3 51.58N–.10 178.50W–.06 10–2 3.9b,3.8L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 10 19 25 53.7–.50 51.69N–.06 178.53W–.02 19–1 4.9b,4.3s 801 0-157
AEIC V 10 19 25 51.6–2.3 51.64N–.09 178.51W–.05 5–3 4.9b,4.3s **¶610623470**
BJI V 10 19 25 51.0–.00 51.80N 178.60W 10 4.8b,4.8s
NEIC V 10 19 25 52.5 51.21N 179.30W 18 4.8b,4.8s
NEIC V 10 19 25 52.5 51.81N 178.65W 18 4.8b,4.8s
MOS V 10 19 25 52.0–1.2 51.79N 178.62W 18 5.0b,4.2s
NEIC V 10 19 25 54.7–2.1 51.8N–.10 178.56W–.04 20–3 5.1,5.0b
GCMT V 10 19 25 54.5–.20 51.80N–.01 178.49W–.02 12 4.9W,5.0b
IDC V 10 19 25 54.6–2.2 51.84N 178.69W 22–13 4.4,4.4L
ISC Event type se.
AEIC Event type se. Error ellipse: s-maj=12.8km s-min=3.4km az=169.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution.Duration: 1s6 Moment tensor: Scale 10^{16}Nm; M_{rr}0.08 $M_{\theta\theta}$-0.62 $M_{\phi\phi}$0.53 $M_{r\theta}$0.38 $M_{\theta\phi}$-3.45 $M_{\phi r}$4.98 NP1:ϕ_s4.93000°,δ89.52000°,λ55.00000°. NP2:ϕ_s274.25000°,δ35.00000°,λ179.17000°. Principal axes: T 6.1101,Plg36.0000°,Azm245.0000°; N -0.0346,Plg35.0000°,Azm5.0000°; P -6.0755,Plg35.0000°,Azm125.0000° $M_0$6.09000×10^{16}
NEIC Event type se.
MOS Error ellipse: s-maj=7.1km s-min=6.2km az=78.0.
NEIC Event type se. Error ellipse: s-maj=15.1km s-min=3.7km az=173.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s30,c33; s115,c166;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.75±.08 $M_{\theta\theta}$-0.19±.08; $M_{\phi\phi}$0.93±.07; $M_{r\theta}$-0.51±.21; $M_{\theta\phi}$-2.59±.05; $M_{\phi r}$-0.00±.19; Best double couple: NP1:ϕ_s97.00000°,δ84.00000°,λ-167.00000°. NP2:ϕ_s6.00000°,δ77.00000°,λ-7.00000°. Principal axes: T 3.0510,Plg5.0000°,Azm231.0000°; N -0.6730,Plg75.0000°,Azm122.0000°; P -2.3780,Plg14.0000°,Azm322.0000° $M_0$2.71400×10^{16}
IDC Error ellipse: s-maj=15.8km s-min=9.4km az=174.0.
ISC V 10 19 46 15.2–.68 51.46N–.08 178.41W–.02 10 3.9b 87 0-151
IDC V 10 19 46 14.5–.96 51.45N 178.27W 0 4.0L,3.7 **¶611150740**
NEIC V 10 19 46 14.7–1.9 51.48N–.10 178.44W–.06 2–6 4.0L,3.7
AEIC V 10 19 46 15.3–2.1 51.5N–.10 178.42W–.06 5–5 3.9L,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC V 10 20 02 42.7–9.0 51.7N–.60 178.5W–.50 10 8 1-46
NEIC V 10 20 02 43.5–1.9 51.6N–.30 178.4W–.10 10–2 3.8L,3.6b **¶610689987**
AEIC V 10 20 02 45.8–1.7 51.7N–.30 178.4W–.10 20–8 3.8L,3.6b
IDC V 10 20 02 49.0–9.8 51.80N 178.06W 0 3.5L,3.3
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=46.9km s-min=3.9km az=162.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=49.9km s-min=5.5km az=166.0. hypocenter. manual.
IDC Error ellipse: s-maj=172.9km s-min=75.3km az=94.0.
ISC V 10 20 12 49.9–1.3 51.5N–.20 178.43W–.07 10 3.7b 52 1-58
NEIC V 10 20 12 49.4–1.3 51.5N–.20 178.42W–.10 10–2 3.8b,3.7L **¶611150743**
IDC V 10 20 12 50.5–3.3 51.61N 178.41W 0 4.0L,3.5
AEIC V 10 20 12 50.6–1.4 51.6N–.20 178.5W–.10 13–6 4.0L,3.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC V 10 20 13 56.4–.71 51.5N–.10 178.57W–.06 10 3.9b,3.1s 78 1-151
NEIC V 10 20 13 55.8–2.5 51.2N–.10 178.4W–.10 10–2 4.0b,3.9L **¶610689991**
AEIC V 10 20 13 55.5–3.2 51.6N–.20 178.5W–.10 1–7 4.0b,3.9L
IDC V 10 20 13 58.1–4.6 51.81N 178.75W 17–28 3.7,3.6L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.2km s-min=8.5km az=155.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=31.6km s-min=5.6km az=158.0. hypocenter. manual.
IDC Error ellipse: s-maj=26.2km s-min=15.8km az=169.0.
ISC V 10 22 12 37.3–.81 51.56N–.09 178.43W–.03 10 3.7b 54 0-60
IDC V 10 22 12 36.6–1.8 51.55N 178.40W 0 3.6,3.5b **¶610689996**
NEIC V 10 22 12 37.0–1.4 51.51N–.08 178.40W–.06 6–6 3.8b,3.7L
AEIC V 10 22 12 37.6–2.1 51.63N–.08 178.42W–.03 6–2 3.8b,3.7L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC V 10 22 13 11.4–1.5 51.4N–.30 178.41W–.07 10 3.7b 25 1-46
NEIC V 10 22 13 10.6–1.1 51.4N–.20 178.38W–.09 3–7 3.8b **¶611150758**
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 11 00 36 27.8–1.2 51.5N–.20 178.34W–.08 10 3.6b 35 1-60
IDC V 11 00 36 26.2–2.4 51.68N 178.62W 0 3.8L,3.5 **¶610690009**
AEIC V 11 00 36 28.3–1.9 51.6N–.30 178.4W–.20 7–6 3.8L,3.5
NEIC V 11 00 36 30.0–1.8 51.4N–.30 178.2W–.10 21–11 3.6L,3.6b
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 11 02 04 09.3–.56 51.54N–.07 178.43W–.04 11–3 4.8b,4.2s 430 1-160
BJI V 11 02 04 06.4–.00 51.27N 178.87W 6 5.0b,4.9s **¶610623482**
IDC V 11 02 04 07.2–.48 51.66N 178.43W 0 4.3,4.3b
MOS V 11 02 04 07.9–1.4 51.62N 178.40W 12 4.8b,4.3b
AEIC V 11 02 04 07.9–2.8 51.5N–.10 178.37W–.08 5–4 4.8b,4.3b
NEIC V 11 02 04 09.3–1.7 51.6N–.10 178.59W–.08 10–4 4.8b,4.6L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC V 11 02 16 46.5–20 52.32N 179.05W 0 3.3,3.3b
¶610690013
IDC Error ellipse: s-maj=395.0km s-min=93.1km az=78.0.
ISC V 11 02 50 43.8–.57 51.58N–.06 178.41W–.03 16–3 4.9b,4.1s 652 1-160
MOS V 11 02 50 42.2–.90 51.75N 178.52W 13 5.0b,4.1s **¶610623483**
AEIC V 11 02 50 43.1–1.7 51.58N–.10 178.41W–.06 6–3 5.0b,4.1s
NEIC V 11 02 50 43.5–1.3 51.6N–.10 178.51W–.09 10–4 5.0L,5.0b
BJI V 11 02 50 43.3–.00 51.99N 179.00W 8 5.0b,4.8b
IDC V 11 02 50 46.9–1.8 51.77N 178.51W 33–12 4.9L,4.4
NEIC V 11 02 50 47.8 51.66N 178.57W 12 4.9L,4.4
NEIC V 11 02 50 47.8 51.06N 178.41W 12 4.9L,4.4
ISC Event type se.
MOS Error ellipse: s-maj=8.3km s-min=7.0km az=89.6.
AEIC Event type se. Error ellipse: s-maj=14.1km s-min=4.8km az=171.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=14.8km s-min=7.6km az=168.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=13.7km s-min=8.5km az=170.0.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 1s6 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.71 $M_{\theta\theta}$0.23 $M_{\phi\phi}$0.48 $M_{r\theta}$-1.93 $M_{\theta\phi}$-1.17 $M_{\phi r}$-0.24 NP1:ϕ_s96.50000°,δ80.01000°,λ-121.80000°. NP2:ϕ_s350.87000°,δ33.17000°,λ-18.48000°. Principal axes: T 2.1436,Plg28.0000°,Azm211.0000°; N 0.3694,Plg31.0000°,Azm103.0000°; P -2.5130,Plg46.0000°,Azm334.0000° $M_0$2.33000×10^{16}
ISC V 11 09 14 00.2–1.6 52.4N–.40 178.91W–.08 10 3.4b 9 4-59
IDC V 11 09 13 59.4–2.4 52.35N 178.88W 0 3.1,3.1b **¶610690032**
ISC Event type ke.
IDC Error ellipse: s-maj=70.0km s-min=32.7km az=9.0.
ISC V 11 11 26 09.2–1.1 51.6N–.30 178.2W–.10 10 3.5b 7 5-86
IDC V 11 11 26 07.7–1.4 51.58N 178.21W 0 3.6,3.6L **¶610690046**
ISC Event type ke.
IDC Error ellipse: s-maj=51.0km s-min=24.6km az=162.0.
ISC V 11 18 01 34.7–1.0 51.6N–.20 178.4W–.10 10 3.6b 45 1-86
IDC V 11 18 01 32.8–1.2 51.79N 179.03W 0 3.8L,3.5 **¶610690075**
NEIC V 11 18 01 33.3–1.3 51.43N–.10 178.4W–.20 10–2 3.8b,3.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC V 12 06 25 59.6–2.1 51.3N–.10 178.32W–.09 11–8
AEIC V 12 06 26 02.1–2.2 51.6N–.20 178.4W–.10 12–6 3.7b,3.7L **¶611150770**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC V 12 08 28 03.1–2.1 51.8N–.40 178.8W–.20 10 3.6b 7 16-59
IDC V 12 08 28 01.2–2.4 51.67N 178.91W 0 3.7L,3.6 **¶610690108**
ISC Event type ke.
IDC Error ellipse: s-maj=60.1km s-min=31.2km az=8.0.
ISC V 12 12 54 52.2–.99 51.7N–.20 178.6W–.10 10 3.7b 8 5-130

IDC V 12 12 54 50.8–1.2 51.65N 178.57W 0 3.7s,3.5 ¶610690132
ISC Event type ke.
IDC Error ellipse: s-maj=37.6km s-min=23.1km az=172.0.
ISC V 12 15 13 44.5–.95 51.6N–.20 178.48W–.07 10 3.6b 19 1-86
NEIC V 12 15 13 43.0–2.7 51.4N–.20 178.42W–.10 10–2 3.8b ¶610690137
IDC V 12 15 13 44.1–1.7 51.46N 178.35W 0 4.0L,3.4
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=28.5km s-min=6.0km az=162.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=45.2km s-min=27.9km az=157.0.
ISC V 13 06 43 16.0–.64 51.6N–.10 178.36W–.05 10 4.0b,3.3s 172 1-151
IDC V 13 06 43 14.2–.80 51.63N 178.52W 0 4.2L,3.8 ¶610638093
AEIC V 13 06 43 14.9–2.2 51.6N–.10 178.42W–.09 2–5 4.5L,4.0b
NEIC V 13 06 43 16.8–2.2 51.7N–.10 178.40W–.08 10–2 4.5L,4.0b
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 14 01 24 20.1–.91 51.6N–.10 178.53W–.03 10 3.4b 31 0-121
NEIC V 14 01 24 19.4–1.6 51.52N–.04 178.49W–.04 16–5 4.0L,4.0L ¶610690230
AEIC V 14 01 24 20.5–1.6 51.69N–.10 178.53W–.03 12–5 4.0L,4.0L
IDC V 14 01 24 22.0–7.0 52.31N 178.71W 0 3.5,3.4L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=6.2km s-min=3.7km az=179.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=13.8km s-min=2.7km az=175.0. hypocenter. manual.
IDC Error ellipse: s-maj=143.5km s-min=83.9km az=108.0.
ISC V 14 02 00 08.0–1.2 51.4N–.10 179.15W–.03 67–10 4.0b 38 0-60
IDC V 14 01 59 59.6–7.7 51.24N 179.04W 0 3.6,3.5b ¶610690233
AEIC V 14 02 00 07.9–.74 51.35N–.08 179.13W–.05 53–7 3.6,3.5b
NEIC V 14 02 00 08.3–.62 51.33N–.09 179.14W–.05 56–10 3.3L,3.5b
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 14 12 53 28.0–1.2 50.86N–.09 179.36W–.04 10 3.9b 26 1-76
IDC V 14 12 53 28.7–4.5 51.51N 179.34W 0 3.7,3.7b ¶610690274
NEIC V 14 12 53 29.7–.68 50.94N–.05 179.36W–.04 9–9 3.1L,3.7b
AEIC V 14 12 53 30.2–1.0 50.95N–.05 179.33W–.04 8–3 3.1L,3.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC V 14 13 14 32.1–1.2 51.1N–.10 177.25W–.07 10 12 1-45
NEIC V 14 13 14 30.9–.82 51.06N–.07 177.19W–.07 10–2 3.5L ¶610638709
AEIC V 14 13 14 32.5–2.1 51.01N–.10 177.0W–.10 16–8 3.5L
IDC V 14 13 14 33.6–3.1 51.77N 177.63W 0 3.6,3.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.1km s-min=5.4km az=156.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=15.4km s-min=7.9km az=152.0. hypocenter. manual.
IDC Error ellipse: s-maj=98.4km s-min=24.9km az=171.0.
NEIC V 15 08 56 59.4–2.3 51.4N–.20 178.2W–.20 10–2 3.7b,2.9L
AEIC V 15 08 56 59.1–2.8 51.7N–.10 178.4W–.10 5–7 3.7b,2.9L ¶611150815
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC V 15 09 09 21.4–1.6 52.3N–.30 178.59W–.08 10 3.5b 8 4-58
IDC V 15 09 09 18.9–2.2 52.01N 178.66W 0 3.6,3.5L ¶610690332
AEIC V 15 09 09 18.2–4.8 51.7N–.20 178.7W–.20 16–10 3.6,3.5L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
ISC V 15 14 31 29.0–.51 52.20N–.06 173.63W–.04 16–2 4.8b,4.4s 637 2-159
IDC V 15 14 31 26.5–.45 52.27N 173.61W 0 4.4s,4.4 ¶610639764
MOS V 15 14 31 26.6–.93 52.31N 173.61W 10 4.8b,4.4
NEIC V 15 14 31 29.0–1.2 52.30N–.09 173.55W–.08 10–1 4.8b,4.5L
AEIC V 15 14 31 30.3–2.3 52.48N–.08 173.69W–.07 7–4 4.8b,4.5L
BGR V 15 14 31 38.4 52.41N 174.20W 33 4.7b,4.5L
ISC Event type ke.
IDC Error ellipse: s-maj=14.9km s-min=9.7km az=163.0.
MOS Error ellipse: s-maj=7.8km s-min=5.9km az=91.1.
NEIC Event type se. Error ellipse: s-maj=15.9km s-min=7.3km az=165.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=12.4km s-min=3.5km az=154.0. hypocenter. manual.
BGR Event type ke.
ISC V 15 19 26 13.8–.62 51.5N–.10 178.32W–.05 10 4.1b,3.3s 124 1-151
AEIC V 15 19 26 13.2–1.7 51.6N–.10 178.30W–.09 5–5 4.1b,3.3s ¶610639884
NEIC V 15 19 26 14.8–1.4 51.6N–.10 178.45W–.09 10–1 4.2b,4.1L
IDC V 15 19 26 16.5–4.1 51.70N 178.34W 25–26 4.1L,3.9
ISC Event type se.
AEIC Event type se. Error ellipse: s-maj=20.4km s-min=6.2km az=165.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=24.2km s-min=8.0km az=166.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=23.4km s-min=12.7km az=175.0.
ISC V 15 19 57 49.6–.59 51.5N–.10 178.43W–.05 10 4.2b,3.4s 129 1-151
NEIC V 15 19 57 49.6–2.7 51.5N–.20 178.39W–.09 10–1 4.3L,4.2b ¶610690356
AEIC V 15 19 57 51.0–3.1 51.6N–.10 178.4W–.10 14–4 4.3L,4.2b
IDC V 15 19 57 52.5–3.3 51.73N 178.57W 25–20 4.1L,3.9
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=26.2km s-min=8.0km az=167.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=21.1km s-min=8.8km az=169.0. hypocenter. manual.
IDC Error ellipse: s-maj=25.5km s-min=12.8km az=166.0.
ISC V 16 10 41 31.6–.93 52.0N–.20 178.68W–.09 100 3.6b 12 4-86
IDC V 16 10 41 28.3–3.5 51.89N 178.60W 69–32 3.6,3.6L ¶610690410
ISC Event type ke.
IDC Error ellipse: s-maj=31.2km s-min=14.4km az=167.0.
ISC V 17 06 03 07.3–.77 51.5N–.10 178.36W–.05 10 4.1b,3.0s 199 1-151
AEIC V 17 06 03 06.9–.00 51.54N 178.46W 13 4.1b,3.0s ¶616639949
NEIC V 17 06 03 07.7–2.2 51.6N–.10 178.47W–.06 10–1 4.2L,4.1b
IDC V 17 06 03 09.9–3.4 51.65N 178.38W 34–24 4.0L,3.9
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=24.9km s-min=6.6km az=185.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=23.6km s-min=13.5km az=175.0.
NEIC V 18 09 13 56.3–1.9 51.4N–.10 178.30W–.09 10–1 3.8b,3.7L
AEIC V 18 09 13 57.2–3.2 51.6N–.10 178.35W–.06 7–6 3.8b,3.7L ¶610643003
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC V 18 10 57 44.4–1.1 51.7N–.20 178.38W–.07 45 3.6b 10 5-86
IDC V 18 10 57 38.4–1.3 51.52N 178.35W 0 3.6,3.3b ¶610690594
ISC Event type ke.
IDC Error ellipse: s-maj=41.6km s-min=20.3km az=170.0.
ISC V 19 01 05 38.4–.88 51.5N–.10 178.41W–.05 10 4.2b 184 1-121
NEIC V 19 01 05 38.2–1.8 51.5N–.20 178.43W–.08 10–2 4.3L,4.2b ¶610690633
AEIC V 19 01 05 39.7–1.9 51.7N–.10 178.52W–.07 10–5 4.3L,4.2b
IDC V 19 01 05 40.5–1.2 51.83N 178.05W 0 4.2L,3.8
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=26.8km s-min=6.6km az=167.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=20.0km s-min=4.8km az=169.0. hypocenter. manual.
IDC Error ellipse: s-maj=33.6km s-min=20.8km az=169.0.
ISC V 19 08 48 22.3–.64 51.6N–.10 178.33W–.04 10 4.1b,3.0s 238 1-151
IDC V 19 08 48 20.7–.79 51.77N 178.32W 0 3.9L,3.8 ¶610643039
AEIC V 19 08 48 21.4–1.9 51.6N–.10 178.37W–.08 5–5 4.0L,4.0b
NEIC V 19 08 48 22.9–2.0 51.6N–.10 178.37W–.07 10–1 4.0L,4.0b
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 19 09 28 01.4–1.8 51.5N–.20 178.43W–.08 10 3.8b 33 1-25
NEIC V 19 09 27 58.6–1.6 51.0N–.10 178.29W–.05 10–2 3.9L,3.7b ¶611150837
AEIC V 19 09 28 02.3–2.8 51.7N–.20 178.54W–.09 9–5 3.9L,3.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC V 19 10 57 39.2–1.3 50.8N–.10 177.20W–.08 10 3.8b 28 1-86
IDC V 19 10 57 37.5–3.4 51.22N 176.99W 0 3.9,3.9b ¶610645700
AEIC V 19 10 57 41.1–3.4 51.0N–.10 177.0W–.10 17–7 3.9,3.9b
NEIC V 19 10 57 44.9–2.0 51.26N–.07 177.5W–.10 10–2 3.7b,3.5L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 20 22 37 50.8–.61 51.7N–.10 178.50W–.04 10 4.1b,3.4s 101 1-151
IDC V 20 22 37 49.6–.74 51.71N 178.30W 0 4.1L,3.8 ¶610685050
NEIC V 20 22 37 49.6–1.5 51.65N–.09 178.55W–.05 5–4 4.4L,4.3b
AEIC V 20 22 37 51.0–1.4 51.7N–.10 178.53W–.05 12–4 4.4L,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC V 21 00 23 55.6–.54 51.62N–.09 176.46W–.05 47 4.0b,3.1s 100 0-152
IDC V 21 00 23 55.8–2.4 51.77N 176.43W 51–20 4.1L,3.9 ¶610646015
AEIC V 21 00 23 55.9–1.8 51.56N–.07 176.37W–.09 41–6 4.1L,3.9
NEIC V 21 00 23 56.7–1.3 51.7N–.10 176.51W–.09 52–6 4.2L,4.0b
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 22 04 14 48.3–1.6 51.53N–.09 178.41W–.03 13–10 3.6b 56 0-58
IDC V 22 04 14 47.3–21 51.57N 178.35W 0 3.3,3.3b ¶610685125
AEIC V 22 04 14 49.6–2.1 51.63N–.09 178.41W–.05 12–5 3.3,3.3b
NEIC V 22 04 14 50.0–1.7 51.6N–.10 178.43W–.05 19–9 3.8b,3.4L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 23 02 38 19.4–.89 51.5N–.10 178.42W–.03 10 25 0-121
NEIC V 23 02 38 18.5–1.9 51.39N–.04 178.42W–.04 10–6 3.8L ¶610685193
AEIC V 23 02 38 19.6–2.6 51.57N–.04 178.46W–.03 5–1 3.8L
IDC V 23 02 38 25.6–8.6 51.45N 176.93W 0 3.4,3.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=5.2km s-min=2.7km az=188.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=5.5km s-min=2.2km az=190.0. hypocenter. manual.
IDC Error ellipse: s-maj=171.9km s-min=67.8km az=101.0.
IDC V 25 00 52 57.6–2.8 51.45N 175.82W 0 3.5,3.3L
¶610685328
IDC Error ellipse: s-maj=67.2km s-min=39.7km az=174.0.
ISC V 28 07 06 16.4–.25 51.83N–.04 175.35W–.02 49–1 5.4b,4.5s 2507 0-160
NEIC V 28 07 06 14.9 51.74N 175.25W 33 5.4b,4.5s ¶610655187
BJI V 28 07 06 15.3–.00 52.12N 175.44W 55 5.3b,5.3b
AEIC V 28 07 06 15.3–2.7 51.60N–.06 175.21W–.06 23–3 5.3b,5.3b
MOS V 28 07 06 15.2–.89 51.96N 175.34W 51 5.4b,4.6s
NEIC V 28 07 06 15.1–1.9 51.76N–.07 175.29W–.05 34–1 5.5b,5.4L
GCMT V 28 07 06 16.1–.10 51.67N–.01 175.16W–.01 43–0 5.2W,5.4L
IDC V 28 07 06 17.1–1.3 51.93N 175.35W 52–10 5.1,4.8b
BGR V 28 07 06 17.0 51.87N 176.09W 33 5.3s,5.1b
ISC Event type ke.
NEIC Event type se.
AEIC Event type se. Error ellipse: s-maj=9.1km s-min=4.7km az=170.0. hypocenter. manual.
MOS Error ellipse: s-maj=5.8km s-min=5.0km az=91.7.
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=5.3km az=169.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.98 $M_{\theta\theta}$-1.17 $M_{\phi\phi}$0.19 $M_{r\theta}$0.43 $M_{\theta\phi}$-0.04 $M_{\phi r}$0.22 NP1:ϕ_s281.41000°,δ35.41000°,λ110.83000°. NP2:ϕ_s76.38000°,δ57.21000° ,λ75.81000°. Principal axes: T 1.1115,Plg74.0000°,Azm309.0000°; N 0.1439,Plg12.0000° ,Azm84.0000°; P -1.2554,Plg11.0000°,Azm177.0000° $M_0$1.19000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s126,c196; s135,c225;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.74±.02 $M_{\theta\theta}$-0.63±.01; $M_{\phi\phi}$-0.11±.01; $M_{r\theta}$0.42±.01; $M_{\theta\phi}$-0.34±.01; $M_{\phi r}$0.34±.01; Best double couple: NP1:ϕ_s56.00000°,δ63.00000°,λ83.00000°. NP2:ϕ_s252.00000°,δ28.00000°,λ104.00000°. Principal axes: T 0.9240,Plg71.0000° ,Azm310.0000°; N 0.0370,Plg6.0000°,Azm59.0000°; P -0.9610,Plg17.0000°,Azm152.0000° $M_0$0.94200×10^{17}
IDC Error ellipse: s-maj=14.5km s-min=8.2km az=171.0.
BGR Event type ke.
ISC V 28 08 46 06.1–.43 51.73N–.08 175.25W–.03 50 4.6b 515 0-158
AEIC V 28 08 46 03.7–3.2 51.54N–.06 175.18W–.03 14–4 4.6b ¶610655190
MOS V 28 08 46 04.8–.97 51.85N 175.29W 53 4.7b
NEIC V 28 08 46 05.8–3.3 51.77N–.08 175.34W–.05 35–2 4.7b,4.6L
IDC V 28 08 46 06.4–1.6 51.91N 175.36W 49–13 4.3,4.2L
ISC Event type se.
AEIC Event type se. Error ellipse: s-maj=8.5km s-min=2.4km az=176.0. hypocenter. manual.
MOS Error ellipse: s-maj=9.1km s-min=7.0km az=79.3.
NEIC Event type se. Error ellipse: s-maj=14.4km s-min=5.4km az=174.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=16.2km s-min=8.8km az=168.0.
ISC V 28 09 45 10.4–.68 51.65N–.09 178.44W–.02 10 3.9b 95 0-86
NEIC V 28 09 45 08.9–1.9 51.48N–.07 178.47W–.05 8–7 4.3L,4.0b ¶610685549
IDC V 28 09 45 09.7–1.0 51.83N 178.21W 0 4.0L,3.5
AEIC V 28 09 45 10.4–2.4 51.68N–.08 178.46W–.05 13–5 4.0L,3.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC V 28 15 29 10.7–1.5 50.9N–.30 177.1W–.30 42 3.3b 7 16-120
IDC V 28 15 29 04.7–1.7 50.82N 177.09W 0 3.5L,3.3 ¶610685557
ISC Event type ke.
IDC Error ellipse: s-maj=71.3km s-min=28.2km az=141.0.
ISC V 28 20 33 14.8–.58 51.04N–.08 177.02W–.04 42 4.2b,3.3s 129 1-152
IDC V 28 20 33 09.2–.79 51.10N 177.11W 0 4.1,4.1b ¶610655265
AEIC V 28 20 33 13.6–2.0 51.00N–.07 176.98W–.08 37–8 4.1,4.1b
NEIC V 28 20 33 13.1–2.0 50.91N–.08 176.91W–.08 34–9 4.1b,3.9L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 29 10 03 10.6–.85 51.3N–.10 178.36W–.07 45 3.9b 158 1-121
IDC V 29 10 03 04.8–1.0 51.18N 178.62W 0 3.8,3.7b ¶610685607
NEIC V 29 10 03 10.7–1.8 51.5N–.20 178.5W–.20 33–7 3.9b,3.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 31 08 13 33.4–.69 51.69N–.08 175.23W–.04 48–5 4.7b,3.5s 502 1-152
AEIC V 31 08 13 32.0–3.5 51.55N–.10 175.17W–.08 21–4 4.7b,3.5s ¶610656224
MOS V 31 08 13 32.4–1.2 51.87N 175.22W 55 4.6b,3.5s

IDC V 31 08 13 33.9–1.7 51.90N 175.25W 50–15 4.5L,4.3
NEIC V 31 08 13 34.7–2.4 51.9N–.10 175.37W–.08 50–4 4.7b,4.6L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 03 15 45 20.3–.79 51.5N–.10 172.61W–.04 27 3.7b,3.2s 42 1-89
IDC VI 03 15 45 16.4–.88 51.54N 172.73W 0 3.7,3.7b **¶610661269**
NEIC VI 03 15 45 20.9–.64 51.41N–.02 172.55W–.09 37–30 3.3L,3.7b
AEIC VI 03 15 45 21.3–.84 51.4N–.10 172.53W–.08 25–9 3.3L,3.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VI 04 16 42 51.0–.87 51.54N–.10 172.57W–.04 27 3.4b,2.7s 69 1-68
IDC VI 04 16 42 41.2–2.2 51.25N 173.72W 0 4.0L,3.5 **¶610791244**
AEIC VI 04 16 42 50.9–2.1 51.42N–.10 172.51W–.03 20–5 4.0L,3.5
NEIC VI 04 16 42 53.0–2.3 51.8N–.10 172.60W–.07 31–8 3.7b,3.4L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 05 02 20 01.7–1.9 52.1N–.40 178.97W–.07 10 3.8b 6 4-121
IDC VI 05 02 20 04.3–2.0 51.96N 178.08W 0 3.7,3.5b **¶610791262**
ISC Event type ke.
IDC Error ellipse: s-maj=73.4km s-min=22.3km az=176.0.
ISC VI 05 09 42 01.1–2.2 50.0N–.20 177.12W–.07 35 3.6b 23 2-23
NEIC VI 05 09 42 01.4–.68 50.0N–.10 177.11W–.10 32–14 3.7b,2.6L **¶611150980**
AEIC VI 05 09 42 03.4–.79 50.0N–.10 177.11W–.09 7–6 3.7b,2.6L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VI 05 13 43 55.8–.52 52.71N–.08 174.39W–.04 227–3 4.4b 474 3-152
MOS VI 05 13 43 54.2–.96 52.94N 174.42W 221 4.3b **¶610662506**
AEIC VI 05 13 43 54.7–4.1 52.6N–.10 174.3W–.10 254–6 4.3b
NEIC VI 05 13 43 55.8–1.7 52.8N–.10 174.4W–.10 221–7 4.6b,4.4L
IDC VI 05 13 43 57.7–1.2 52.94N 174.48W 235–10 4.5,3.9b
ISC Event type se.
MOS Error ellipse: s-maj=10.3km s-min=8.0km az=107.3.
AEIC Event type se. Error ellipse: s-maj=16.6km s-min=8.6km az=167.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=16.6km s-min=8.5km az=169.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=12.2km s-min=5.9km az=1.0.
ISC VI 06 12 22 28.9–.44 51.70N–.07 175.24W–.03 40 4.3b,3.2s 404 1-152
AEIC VI 06 12 22 28.2–2.0 51.60N–.07 175.18W–.05 23–5 4.3b,3.2s **¶610664210**
MOS VI 06 12 22 28.2–1.2 51.83N 175.29W 49 4.4b,3.2s
NEIC VI 06 12 22 30.2–1.5 51.78N–.08 175.27W–.06 48–6 4.3b,4.3L
IDC VI 06 12 22 31.1–2.8 51.92N 175.31W 63–24 4.1,4.1L
ISC Event type se.
AEIC Event type se. Error ellipse: s-maj=10.2km s-min=4.6km az=174.0. hypocenter. manual.
MOS Error ellipse: s-maj=9.9km s-min=7.6km az=76.1.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=4.7km az=172.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=20.7km s-min=10.6km az=169.0.
ISC VI 06 22 28 55.3–1.7 51.2N–.30 179.29W–.05 35 3.8b 39 1-76
IDC VI 06 22 28 50.6–2.8 51.30N 179.27W 0 3.9L,3.8 **¶610791358**
AEIC VI 06 22 28 53.2–2.2 51.0N–.10 179.20W–.09 5–6 3.9L,3.8
NEIC VI 06 22 28 56.7–1.9 51.3N–.20 179.30W–.06 40–15 3.7b,3.2L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 07 16 22 23.5–.54 51.55N–.06 178.41W–.02 13–2 4.8b,3.6s 495 0-160
BJI VI 07 16 22 19.7–.10 51.76N 178.44W 7 4.9b,4.7b **¶610666943**
IDC VI 07 16 22 21.8–.43 51.71N 178.56W 0 4.4L,4.3
AEIC VI 07 16 22 23.1–1.8 51.53N–.07 178.40W–.06 5–3 4.4L,4.3
NEIC VI 07 16 22 24.3–1.7 51.58N–.07 178.42W–.04 14–4 5.3L,4.8b
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 10 05 36 34.9–1.0 51.8N–.10 177.17W–.06 72–7 3.5b 44 0-120
IDC VI 10 05 36 25.7–1.2 51.65N 177.25W 0 3.9L,3.6 **¶610791575**
AEIC VI 10 05 36 35.9–2.0 51.7N–.20 177.0W–.10 64–6 3.6b,3.4L
NEIC VI 10 05 36 35.6–1.2 51.7N–.20 177.1W–.10 71–6 3.6b,3.4L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 13 13 29 47.2–1.1 51.9N–.10 172.93W–.04 59 3.4b 44 1-58
IDC VI 13 13 29 38.8–5.6 51.70N 173.23W 0 3.5,3.5b **¶610791779**
NEIC VI 13 13 29 46.1–1.5 51.82N–.07 172.88W–.06 35–12 3.6b,2.8L
AEIC VI 13 13 29 50.4–3.2 52.4N–.20 172.86W–.09 33–6 3.6b,2.8L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC VI 17 00 15 57.1–1.6 51.66N–.02 178.42W–.01 10–2 3.0L
AEIC VI 17 00 15 56.7–1.3 51.70N–.05 178.40W–.02 13–4 3.0L **¶610680843**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VI 17 00 17 14.4–.27 51.66N–.04 173.51W–.02 30–1 5.5b,4.9s 2308 1-160
BJI VI 17 00 17 08.4–.00 51.86N 173.04W 17 5.1b,5.1b **¶610678730**
NEIC VI 17 00 17 11.7 51.73N 173.45W 36 5.1b,5.1b
NEIC VI 17 00 17 11.7 50.93N 173.77W 36 5.1b,5.1b
MOS VI 17 00 17 12.8–.82 51.78N 173.43W 31 5.6b,4.8s
AEIC VI 17 00 17 13.7–1.8 51.61N–.05 173.45W–.06 26–3 5.6b,4.8s
IDC VI 17 00 17 14.7–1.2 51.79N 173.47W 31–8 5.1,4.9b
NEIC VI 17 00 17 14.6–1.5 51.79N–.06 173.41W–.06 29–3 5.6b,5.4
GCMT VI 17 00 17 15.6–.10 51.62N–.01 173.38W–.01 25–0 5.5W,5.4
ISC Event type se.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2^{s}6 Moment tensor: Scale 10^{17}Nm; M_{rr}1.18 $M_{\theta\theta}$-1.19 $M_{\phi\phi}$0.01 $M_{r\theta}$1.01 $M_{\theta\phi}$-0.17 $M_{\phi r}$-0.29 NP1:ϕ_s97.14000°,δ65.87000° ,λ102.55000°. NP2:ϕ_s248.58000°,δ27.02000°,λ64.13000°. Principal axes: T 1.6174,Plg67.0000°,Azm30.0000°; N -0.0583,Plg11.0000°,Azm272.0000° ; P -1.5591,Plg20.0000°,Azm178.0000° $M_0$1.59000$\times 10^{17}$
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s118,c209; s148,c276;Duration: 1^{s}4 Moment tensor: Scale 10^{17}Nm; M_{rr}0.99±.02 $M_{\theta\theta}$-1.18±.02; $M_{\phi\phi}$0.19±.01; $M_{r\theta}$1.56±.06; $M_{\theta\phi}$0.25±.01; $M_{\phi r}$-0.85±.04; Best double couple: NP1:ϕ_s116.00000°,δ75.00000°,λ101.00000°. NP2:ϕ_s260.00000°,δ19.00000°,λ55.00000°. Principal axes: T 2.0350,Plg59.0000° ,Azm41.0000°; N 0.1310,Plg11.0000°,Azm293.0000°; P -2.1640,Plg29.0000°,Azm198.0000° $M_0$2.10000$\times 10^{17}$
ISC VI 17 04 59 48.5–.69 51.6N–.10 173.49W–.05 37 3.9b 100 2-115
NEIC VI 17 04 59 44.7–2.3 51.6N–.10 173.56W–.08 10–1 4.0b,3.6L **¶610678740**
AEIC VI 17 04 59 50.4–3.0 51.6N–.10 173.46W–.09 2–5 4.0b,3.6L
IDC VI 17 04 59 55.8–6.7 51.80N 173.48W 100–60 3.9,3.7L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.8km s-min=8.8km az=176.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
IDC Error ellipse: s-maj=24.6km s-min=14.7km az=5.0.
NEIC VI 17 05 32 10.3–.94 51.61N–.06 173.32W–.06 37–32 3.4b,2.6L
AEIC VI 17 05 32 09.4–1.1 51.57N–.07 173.4W–.10 49–9 3.4b,2.6L **¶611151053**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC VI 17 06 34 29.8–1.2 51.8N–.10 173.57W–.05 57–19 3.6b,2.6L
AEIC VI 17 06 34 31.2–5.7 51.73N–.05 173.85W–.10 38–9 3.6b,2.6L **¶611151054**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VI 19 20 24 14.1–.71 52.6N–.10 173.85W–.06 200 4.5b 316 1-90
IDC VI 19 20 24 09.4–6.8 52.82N 174.07W 151–60 4.1,3.6b **¶610686570**
NEIC VI 19 20 24 13.8–1.5 52.6N–.10 173.9W–.10 191–8 4.5b,3.8L
AEIC VI 19 20 24 14.5–2.0 52.4N–.10 173.72W–.08 190–6 4.5b,3.8L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VI 20 01 44 34.1–.89 51.29N–.10 178.35W–.03 45 3.6b 50 1-121
AEIC VI 20 01 44 33.2–1.5 51.21N–.08 178.33W–.04 31–7 3.6b **¶610789133**
NEIC VI 20 01 44 34.8–1.2 51.32N–.03 178.36W–.05 44–13 3.6b,3.6L
IDC VI 20 01 44 37.9–3.9 51.55N 178.42W 81–32 3.7,3.3b
ISC Event type se.
AEIC Event type se. Error ellipse: s-maj=11.1km s-min=2.6km az=169.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=5.0km s-min=4.1km az=115.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=52.5km s-min=19.3km az=2.0.
ISC VI 20 10 32 46.6–1.1 51.33N–.08 178.48W–.03 48–9 4.5b,3.4s 599 0-151
AEIC VI 20 10 32 44.8–1.8 51.16N–.07 178.47W–.05 25–4 4.5b,3.4s **¶610686590**
MOS VI 20 10 32 44.8–.88 51.45N 178.51W 43 4.7b,3.4s
IDC VI 20 10 32 47.8–2.9 51.53N 178.49W 58–25 4.2,3.9b
NEIC VI 20 10 32 47.4–1.4 51.38N–.07 178.49W–.05 49–6 4.5b,4.4L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 20 11 53 23.0–.69 51.6N–.10 178.54W–.03 10 4.0b 115 1-121
IDC VI 20 11 53 21.1–.98 51.71N 178.32W 0 3.7,3.6b **¶610686587**
NEIC VI 20 11 53 23.6–2.1 51.6N–.10 178.52W–.02 10–1 4.1b,4.1L
AEIC VI 20 11 53 23.1–2.0 51.7N–.20 178.50W–.06 11–2 4.1b,4.1L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VI 21 07 50 34.3–.75 52.0N–.10 178.50W–.05 133–6 3.8b 80 0-83
NEIC VI 21 07 50 34.5–1.3 52.0N–.20 178.49W–.08 132–8 3.9b,3.5L **¶610789198**
AEIC VI 21 07 50 35.5–1.6 51.9N–.20 178.50W–.07 128–5 3.9b,3.5L
IDC VI 21 07 50 38.1–4.1 52.29N 178.90W 174–50 3.6,3.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=26.3km s-min=6.9km az=174.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=25.7km s-min=5.8km az=176.0. hypocenter. manual.
IDC Error ellipse: s-maj=65.1km s-min=21.8km az=150.0.
ISC VI 21 21 58 54.0–.47 51.52N–.08 178.32W–.04 10 4.4b,3.5s 333 0-157
IDC VI 21 21 58 52.1–.61 51.58N 178.37W 0 4.1,4.1b **¶610690721**
NEIC VI 21 21 58 53.8–1.3 51.56N–.08 178.39W–.06 10–5 4.9L,4.5L
AEIC VI 21 21 58 53.3–1.2 51.59N–.09 178.45W–.07 5–4 4.9L,4.5L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VI 23 20 08 07.6–2.2 50.12N–.07 179.04W–.03 14–13 4.5b,3.5s 521 2-152
IDC VI 23 20 08 05.2–.50 50.02N 179.01W 0 4.5L,4.2 **¶610694326**
MOS VI 23 20 08 07.0–.97 50.11N 178.94W 22 4.8b,4.2
NEIC VI 23 20 08 09.6–1.2 50.16N–.09 179.00W–.07 26–7 4.3L,4.2b
AEIC VI 23 20 08 10.3–1.5 50.06N–.09 179.03W–.07 3–5 4.3L,4.2b
BGR VI 23 20 08 14.6 50.36N 177.91E 33 4.5b,4.2b
ISC Event type ke.
IDC Error ellipse: s-maj=15.9km s-min=9.5km az=163.0.
MOS Error ellipse: s-maj=9.1km s-min=6.3km az=109.6.
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=6.1km az=177.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=12.9km s-min=6.2km az=178.0. hypocenter. manual.
BGR Event type ke.
ISC VI 24 05 35 24.8–.83 52.6N–.10 174.80W–.07 234 3.7b 88 0-79
IDC VI 24 05 35 12.9–23 52.54N 175.30W 122–173 4.2L,4.0 **¶610694374**
AEIC VI 24 05 35 24.4–1.9 52.5N–.20 174.9W–.20 228–7 4.0b,3.5L
NEIC VI 24 05 35 24.5–1.5 52.6N–.30 174.8W–.20 234–13 4.0b,3.5L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC VI 26 01 52 44.5–1.1 51.7N–.20 177.44W–.07 102–2 3.8b,3.3L
AEIC VI 26 01 52 44.7–1.0 52.1N–.10 177.51W–.04 96–5 3.8b,3.3L **¶611189162**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
AEIC VI 26 21 03 20.5–.88 51.8N–.20 177.39W–.06 76–4
NEIC VI 26 21 03 20.6–.61 51.7N–.20 177.36W–.06 80–5 3.7b,3.1L **¶611189181**
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 27 13 34 27.0–.83 52.2N–.10 173.34W–.05 56 3.6b 52 0-88
IDC VI 27 13 34 18.6–1.9 52.24N 173.61W 0 3.6,3.6L **¶610789575**
AEIC VI 27 13 34 27.8–6.4 51.97N–.07 173.39W–.09 43–8 3.6,3.6L
NEIC VI 27 13 34 28.2–.81 52.3N–.10 173.41W–.09 65–10 3.6b,3.2L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 28 10 09 01.4–.81 52.2N–.10 173.36W–.05 10 3.6b 45 0-88
IDC VI 28 10 08 59.5–1.1 52.15N 173.29W 0 3.7,3.6b **¶610789632**
NEIC VI 28 10 09 03.5–1.2 52.3N–.10 173.46W–.04 18–4 3.7,3.6b
AEIC VI 28 10 09 03.1–1.4 52.4N–.10 173.46W–.06 15–3 3.6b,3.4L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VI 28 10 58 15.6–.72 52.2N–.10 173.43W–.04 10 3.9b 77 0-88
IDC VI 28 10 58 13.5–.85 52.19N 173.35W 0 3.9,3.8b **¶610697598**
NEIC VI 28 10 58 18.0–1.7 52.3N–.10 173.49W–.05 23–8 3.9,3.8b
AEIC VI 28 10 58 17.3–1.5 52.4N–.10 173.52W–.05 14–4 3.9b,3.7L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.

(8) Pribilof Islands.

ISC VI 14 20 56 13.8–.38 56.50N–.05 168.33W–.04 10 4.4b 366 1-150
IDC VI 14 20 56 12.7–.71 56.47N 168.39W 0 4.1,4.1b **¶610674295**
AEIC VI 14 20 56 13.5–3.0 56.47N–.04 168.41W–.08 28–4 4.1,4.1b
NEIC VI 14 20 56 14.2–2.1 56.51N–.02 168.38W–.09 14–4 4.5L,4.4b
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(9) Fox Islands.

ISC I 01 07 32 58.3–.56 53.2N–.10 170.92W–.05 200 4.1b 285 1-153
NEIC I 01 07 32 58.5–2.0 53.44N–.07 171.0W–.10 187–8 4.4L,4.3b ¶609947734
AEIC I 01 07 32 59.0–3.0 52.9N–.20 170.8W–.10 214–6 4.4L,4.3b
IDC I 01 07 33 02.0–4.0 53.46N 171.21W 235–40 4.1,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=9.3km az=155.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=23.1km s-min=9.5km az=164.0. hypocenter. manual.
IDC Error ellipse: s-maj=23.3km s-min=10.9km az=180.0.
ISC I 03 08 05 30.7–.74 53.69N–.09 166.72W–.06 80–6 3.8b 117 0-115
IDC I 03 08 05 28.3–2.7 53.77N 166.94W 60–21 3.8,3.6b ¶610236544
AEIC I 03 08 05 30–2.2 53.6N–.10 166.7W–.10 70–8 3.8,3.6b
NEIC I 03 08 05 31.5–2.3 53.65N–.03 166.7W–.10 63–13 4.2L,4.0L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC I 09 07 41 48.7–553 53.34N 167.37W 0
¶610237005
IDC Error ellipse: s-maj=311.8km s-min=217.6km az=111.0.
IDC I 09 08 01 21.3–521 53.50N 166.05W 0
¶610237007
IDC Error ellipse: s-maj=263.2km s-min=208.7km az=112.0.
ISC I 09 19 20 04.0–.25 53.04N–.04 169.87W–.03 92–1 5.2b 2015 0-160
BJI I 09 19 19 59.1–.00 53.07N 169.72W 80 5.3b,5.0s ¶611831509
NEIC I 09 19 20 03.7 52.98N 169.82W 80 5.3b,5.0s
MOS I 09 19 20 03.4–1.1 53.04N 169.92W 102 5.1b,5.0s
NEIC I 09 19 20 03.3–1.7 53.09N–.08 169.87W–.09 81–4 5.4b,5.2
IDC I 09 19 20 04.1–.48 53.09N 169.91W 90–3 4.8,4.5b
AEIC I 09 19 20 04.8–5.2 52.49N–.07 169.48W–.10 73–3 4.8,4.5b
GCMT I 09 19 20 06.3–.10 52.96N–.01 169.71W–.02 88–1 5.3W,4.5b
BGR I 09 19 20 09.4 54.72N 170.62W 33 5.2b,4.5b
ISC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2s1 Moment tensor: Scale 10^{16}Nm; M_{rr}6.18 $M_{\theta\theta}$-5.49 $M_{\phi\phi}$-0.69 $M_{r\theta}$-4.48 $M_{\theta\phi}$-1.73 $M_{\phi r}$-2.73 NP1:ϕ_s243.58000°,δ65.42000° ,λ83.06000°. NP2:ϕ_s79.88000°,δ25.48000°,λ104.79000°. Principal axes: T 8.1854,Plg69.0000°,Azm140.0000°; N -0.2622,Plg6.0000°,Azm246.0000° ; P -7.9232,Plg20.0000°,Azm339.0000° $M_0$8.05000×10^{16}
MOS Error ellipse: s-maj=6.2km s-min=4.1km az=89.7.
NEIC Event type se. Error ellipse: s-maj=11.6km s-min=7.4km az=168.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-0.27 $M_{\theta\theta}$3.55 $M_{\phi\phi}$-3.28 $M_{r\theta}$-6.83 $M_{\theta\phi}$0.85 $M_{\phi r}$-4.69 NP1:ϕ_s50.78000°,δ87.23000°,λ-110.66000°. NP2:ϕ_s313.47000° ,δ20.84000°,λ-7.81000°. Principal axes: T 9.7351,Plg39.0000°,Azm159.0000° ; N -1.7019,Plg21.0000°,Azm52.0000°; P -8.0332,Plg44.0000°,Azm300.0000° $M_0$9.01000×10^{16}
IDC Error ellipse: s-maj=9.7km s-min=7.5km az=173.0.
AEIC Event type se. Error ellipse: s-maj=11.4km s-min=7.4km az=152.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s105,c161; s133,c238;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.03±.02 $M_{\theta\theta}$-0.12±.02; $M_{\phi\phi}$0.14±.02; $M_{r\theta}$-0.91±.01; $M_{\theta\phi}$0.18±.02; $M_{\phi r}$-0.42±.01; Best double couple: NP1:ϕ_s65.00000°,δ89.00000°,λ-78.00000°. NP2:ϕ_s162.00000°,δ12.00000°,λ-173.00000°. Principal axes: T 1.0470,Plg42.0000° ,Azm144.0000°; N -0.0370,Plg12.0000°,Azm245.0000°; P -1.0090,Plg45.0000° ,Azm347.0000° $M_0$1.02800×10^{17}
BGR Event type ke.
ISC I 10 15 28 14.4–.67 53.29N–.07 166.18W–.06 48 3.6b 117 1-87
IDC I 10 15 28 12.2–4.5 53.34N 165.55W 0 3.7L,3.6 ¶610051727
NEIC I 10 15 28 13.3–2.1 53.3N–.10 166.24W–.07 32–6 4.5L,4.3L
AEIC I 10 15 28 13.6–2.2 53.29N–.08 166.26W–.08 28–5 4.5L,4.3L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC I 10 19 19 44.7–1.1 53.3N–.10 166.45W–.07 90–9 89 1-36
AEIC I 10 19 19 46.8–1.9 53.58N–.08 166.8W–.10 76–6 ¶610570587
NEIC I 10 19 19 47.3–2.4 53.59N–.09 166.7W–.10 81–7 3.6b,3.6L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 16 02 50 05.1–.39 52.46N–.06 168.00W–.04 35–1 4.9b,4.4s 786 1-154
IDC I 16 02 50 00.3–.64 52.53N 168.08W 0 4.7,4.7b ¶610095185
AEIC I 16 02 50 02.9–2.9 52.32N–.09 167.9W–.10 24–4 4.7,4.7b
GCMT I 16 02 50 04.9–.30 52.28N–.02 167.98W–.04 26–0 5.1W,4.7b
BJI I 16 02 50 04.6–.00 52.79N 168.48W 32 5.2b,5.0b
MOS I 16 02 50 05.0–1.2 52.63N 168.15W 38 5.1b,4.4s
NEIC I 16 02 50 05.9–1.9 52.57N–.08 168.03W–.07 42–5 4.9b,4.5L
BGR I 16 02 50 19.1 54.59N 167.94W 33 4.9b,4.4s
ISC Event type se.
IDC Error ellipse: s-maj=18.5km s-min=11.8km az=171.0.
AEIC Event type se. Error ellipse: s-maj=12.9km s-min=9.0km az=166.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s44,c57; s87,c114;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.93±.23 $M_{\theta\theta}$-2.29±.16; $M_{\phi\phi}$-1.64±.16; $M_{r\theta}$2.77±.31; $M_{\theta\phi}$-2.18±.10; $M_{\phi r}$-0.31±.30; Best double couple: NP1:ϕ_s72.00000°,δ62.00000°,λ113.00000°. NP2:ϕ_s210.00000°,δ36.00000°,λ54.00000°. Principal axes: T 5.1620,Plg65.0000° ,Azm23.0000°; N -0.5250,Plg20.0000°,Azm240.0000°; P -4.6360,Plg14.0000° ,Azm145.0000° $M_0$4.89900×10^{16}
MOS Error ellipse: s-maj=13.0km s-min=5.7km az=101.9.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=6.3km az=179.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BGR Event type ke.
ISC I 21 21 28 43.5–.63 52.8N–.10 170.78W–.05 100 3.8b 80 1-153
NEIC I 21 21 28 42.9–2.4 52.57N–.08 170.71W–.07 110–6 3.9b,3.7L ¶610180903
AEIC I 21 21 28 44.4–3.1 52.7N–.10 170.70W–.09 103–6 3.9b,3.7L
IDC I 21 21 28 49.1–5.3 53.02N 170.89W 145–47 3.8,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=5.8km az=187.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=14.9km s-min=7.4km az=170.0. hypocenter. manual.
IDC Error ellipse: s-maj=29.2km s-min=15.2km az=177.0.
NEIC II 02 17 30 44.2–1.1 54.0N–.20 166.3W–.20 87–7 3.6b,2.9L
AEIC II 02 17 30 44.9–2.0 53.8N–.10 166.1W–.20 84–6 3.6b,2.9L ¶611148936
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC II 07 23 07 00.9–1.5 52.30N–.09 169.9W–.10 46–19 3.6L,3.3b
AEIC II 07 23 07 00–3.4 52.24N–.04 169.77W–.06 7–7 3.6L,3.3b ¶611148963
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
AEIC II 12 07 56 41.1–1.6 53.1N–.10 166.8W–.10 26–8 3.7L,3.4L
NEIC II 12 07 56 41.0–1.7 53.2N–.10 166.9W–.10 27–15 3.7L,3.4L ¶611148999
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC II 13 09 05 53.1–11 53.88N 169.43W 228–80 3.6,2.9b
¶610415440
IDC Error ellipse: s-maj=96.7km s-min=38.5km az=66.0.
AEIC II 15 07 03 09.6–1.6 51.9N–.10 169.6W–.20 51–9
NEIC II 15 07 03 08.5–1.8 51.85N–.04 169.6W–.10 29–10 3.8b,3.2L ¶611149024
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 17 12 58 23.8–.68 53.5N–.10 165.84W–.06 48 3.9b,3.1s 72 1-154
IDC II 17 12 58 18.1–.94 53.74N 165.94W 0 3.8b,3.7 ¶610415695
AEIC II 17 12 58 22.2–2.6 53.35N–.07 165.90W–.09 26–6 3.8b,3.7
NEIC II 17 12 58 23.6–2.2 53.45N–.06 165.93W–.08 43–12 4.0L,3.7L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 17 16 10 12.6–.80 54.2N–.10 165.69W–.07 118–8 3.7b 86 0-85
NEIC II 17 16 10 12.0–2.4 54.1N–.10 165.6W–.10 124–10 4.0L,3.8b ¶610228727
IDC II 17 16 10 12.3–3.3 54.43N 165.82W 102–28 3.8,3.5b
AEIC II 17 16 10 13.9–3.6 54.0N–.10 165.80W–.09 118–6 3.8,3.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC II 18 16 51 02.5–2.3 52.84N–.05 168.20W–.09 46–12 3.6L,3.1L
AEIC II 18 16 51 02.4–3.5 53.0N–.10 168.3W–.10 48–4 3.6L,3.1L ¶611149050
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
IDC II 20 02 24 27.6–581 55.23N 165.35W 0
¶610384665
IDC Error ellipse: s-maj=263.8km s-min=193.7km az=95.0.
ISC II 21 04 08 59.0–.60 52.42N–.09 169.56W–.05 40 4.0b,3.2s 99 0-116
IDC II 21 04 08 53.2–.98 52.46N 169.73W 0 3.9,3.9b ¶610384724
AEIC II 21 04 08 57.5–3.3 52.30N–.09 169.49W–.06 31–5 3.9,3.9b
NEIC II 21 04 09 00.4–2.0 52.49N–.08 169.65W–.05 50–7 4.1L,4.0b
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 22 05 23 44.7–.00 52.0N–.10 170.04W–.09 10 3.6b 40 1-90
IDC II 22 05 23 43.3–1.5 51.94N 170.08W 0 3.7b,3.5 ¶610384787
NEIC II 22 05 23 48.0–2.9 51.95N–.06 169.45W–.09 11–5 3.7b,2.7L
AEIC II 22 05 23 50.5–2.8 52.11N–.06 169.50W–.05 4–6 3.7b,2.7L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC II 26 06 21 34.8–.98 52.4N–.10 169.65W–.07 40 3.5b,3.3s 33 0-87
IDC II 26 06 21 30.1–1.4 52.60N 169.74W 0 3.5,3.5b ¶610385036
AEIC II 26 06 21 32.3–1.4 52.1N–.10 169.7W–.10 31–8 3.6L,3.5b
NEIC II 26 06 21 33.4–1.7 52.18N–.10 169.5W–.10 37–26 3.6L,3.5b
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 27 09 55 40.9–.92 52.0N–.10 169.63W–.08 30 3.2b 21 1-90
IDC II 27 09 55 36.6–1.3 52.06N 169.71W 0 3.5,3.5b ¶610385118
AEIC II 27 09 55 40.4–2.5 51.88N–.06 169.5W–.10 10–8 3.4L,2.8L
NEIC II 27 09 55 41.9–2.1 52.0N–.10 169.7W–.10 26–14 3.4L,2.8L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 27 16 53 24.1–.86 52.3N–.10 170.33W–.07 55 3.6b 24 1-90
IDC II 27 16 53 14.3–1.2 52.32N 171.29W 0 3.6b,3.5 ¶610241642
AEIC II 27 16 53 22.6–3.5 52.20N–.07 170.38W–.10 30–8 3.6b,3.5
NEIC II 27 16 53 25.4–2.9 52.3N–.10 170.25W–.09 34–16 3.7L,3.2L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 04 04 46 42.8–.85 53.32N–.08 165.57W–.05 32 3.6b 20 1-114
IDC III 04 04 46 38.0–1.6 53.39N 165.93W 0 3.7b,3.6 ¶610545494
NEIC III 04 04 46 44.4–.99 53.39N–.04 165.63W–.07 15–12 3.7L,3.5L
AEIC III 04 04 46 45.7–1.6 53.49N–.04 165.67W–.09 23–7 3.7L,3.5L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC III 05 11 11 05.2–.69 52.2N–.10 169.41W–.07 35 3.9b,3.2s 67 1-90
IDC III 05 11 11 00.4–.85 52.35N 169.64W 0 3.9,3.9b ¶610545589
AEIC III 05 11 11 03.2–2.8 52.12N–.10 169.4W–.10 21–8 3.9,3.9b
NEIC III 05 11 11 07.5–2.9 52.36N–.10 169.6W–.10 50–10 4.0L,3.8b
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 05 12 45 11.1–.60 52.28N–.09 169.57W–.06 10 4.2s,4.2b 92 1-126
IDC III 05 12 45 09.4–.80 52.40N 169.60W 0 4.1s,4.0 ¶610245388
AEIC III 05 12 45 11.7–2.5 52.16N–.06 169.3W–.10 9–5 4.1s,4.0
NEIC III 05 12 45 13.1–2.5 52.24N–.04 169.5W–.10 19–8 4.0L,3.9b
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 06 16 01 15.5–1.1 52.3N–.10 169.55W–.06 35 3.6b 25 1-53
IDC III 06 16 01 10.7–2.0 52.83N 169.60W 0 3.7,3.5b ¶610545674
AEIC III 06 16 01 15.7–2.8 52.41N–.07 169.53W–.06 33–6 3.7,3.5b
NEIC III 06 16 01 17.2–1.9 52.43N–.08 169.54W–.09 27–13 3.2L,3.5b
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC III 06 20 08 41.7–2.3 52.8N–.20 166.2W–.10 17–12 3.6b,3.1L
AEIC III 06 20 08 47.3–3.4 53.1N–.10 166.7W–.10 66–9 3.6b,3.1L ¶611149173
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC III 07 21 34 59.9–.79 52.21N–.07 170.47W–.04 51–5 4.6b,3.9s 579 1-154
IDC III 07 21 34 53.8–.52 52.27N 170.62W 0 4.4,4.4b ¶610273069
BGR III 07 21 34 57.6 52.33N 170.01W 10 4.7b,4.0s
MOS III 07 21 34 57.3–.88 52.24N 170.57W 37 4.7b,4.0s
NEIC III 07 21 34 58.7–1.8 52.20N–.07 170.51W–.09 35–1 4.6L,4.5b
AEIC III 07 21 34 60.0–2.7 52.18N–.08 170.38W–.09 25–4 4.6L,4.5b
GCMT III 07 21 35 00.7–.50 52.11N–.03 170.31W–.04 38–1 4.9W,4.5b
ISC Event type ke. Moment Tensor Solution. NP1:ϕ_s104.74529°,δ55.72657°,λ116.20295°. NP2: ϕ_s243.59540°,δ42.14584°,λ57.05933°. Principal axes: T Plg67.2912°,Azm68.7214° ; N Plg21.4002°,Azm269.2553°; P Plg7.2428°,Azm176.4004°
BGR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s35,c37; s56,c72;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.47±.19 $M_{\theta\theta}$-1.89±.14; $M_{\phi\phi}$-0.58±.13; $M_{r\theta}$1.16±.13; $M_{\theta\phi}$-1.08±.07; $M_{\phi r}$0.31±.12; Best double couple: NP1:ϕ_s67.00000°,δ58.00000°,λ97.00000°. NP2:ϕ_s234.00000°,δ33.00000°,λ80.00000°. Principal axes: T 2.7600,Plg76.0000° ,Azm357.0000°; N -0.0060,Plg6.0000°,Azm243.0000°; P -2.7600,Plg13.0000° ,Azm152.0000° $M_0$2.76000×10^{16}
ISC III 08 00 02 36.7–1.1 52.1N–.10 170.42W–.08 31 4.5s,3.8b 19 1-96
IDC III 08 00 02 32.0–1.8 52.14N 170.57W 0 4.3s,3.6 ¶610545765
NEIC III 08 00 02 37.4–2.9 52.1N–.10 170.4W–.10 33–15 4.3s,3.6
AEIC III 08 00 02 38.1–2.1 52.18N–.09 170.40W–.10 21–8 3.6L,3.1L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
IDC III 08 07 44 47.0–999 51.76N 168.92W 0
¶610545786
IDC Error ellipse: s-maj=725.9km s-min=245.0km az=41.0.

ISC III 14 21 01 11.9–.35 52.25N–.04 170.64W–.03 48–2 5.2b,4.3s 1242 1-154
AEIC III 14 21 01 09.4–2.3 52.10N–.08 170.41W–.09 24–4 5.2b,4.3s **¶610329073**
MOS III 14 21 01 09.4–.84 52.24N 170.60W 41 5.3b,4.1s
BJI III 14 21 01 10.1–.00 52.34N 170.69W 57 5.2b,5.2b
GCMT III 14 21 01 11.6–.30 52.08N–.02 170.35W–.02 38–0 5.0W,5.2b
IDC III 14 21 01 11.6–1.7 52.24N 170.64W 42–14 4.9,4.7b
NEIC III 14 21 01 12.7–1.5 52.28N–.07 170.50W–.09 54–5 5.1b,4.9L
BGR III 14 21 01 16.3 53.50N 171.50W 33 5.2b,4.9L
ISC Event type ke.
AEIC Event type se. Error ellipse: s-maj=12.2km s-min=6.5km az=150.0. hypocenter. manual.
MOS Error ellipse: s-maj=7.2km s-min=4.2km az=98.3.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s65,c100; s101,c149;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}4.24±.16 $M_{\theta\theta}$-2.97±.12; $M_{\phi\phi}$-1.27±.11; $M_{r\theta}$1.61±.12; $M_{\theta\phi}$-1.81±.06; $M_{\phi r}$1.50±.09; Best double couple: NP1:ϕ_s53.00000°,δ59.00000°,λ85.00000°. NP2:ϕ_s242.00000°,δ31.00000°,λ98.00000°. Principal axes: T 4.7980,Plg76.0000° ,Azm309.0000°; N -0.1500,Plg4.0000°,Azm55.0000°; P -4.6480,Plg14.0000°,Azm146.0000° $M_0$4.72300×10^{16}
IDC Error ellipse: s-maj=13.1km s-min=8.3km az=163.0.
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=6.6km az=150.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BGR Event type ke.
ISC III 16 11 40 27.9–1.0 53.6N–.10 165.18W–.06 35 3.5b 49 1-114
IDC III 16 11 40 23.7–1.9 53.88N 165.33W 0 3.6,3.4b **¶610345761**
AEIC III 16 11 40 27.9–3.3 53.67N–.08 165.38W–.07 59–8 3.6,3.4b
NEIC III 16 11 40 28.1–2.3 53.66N–.10 165.27W–.07 25–11 3.7b,3.5L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 17 09 25 00.4–.95 52.1N–.10 170.53W–.08 31 3.3b 40 1-70
NEIC III 17 09 24 58.7–1.6 52.1N–.10 170.56W–.10 17–7 4.0b,3.8L **¶610546375**
AEIC III 17 09 24 59.4–1.8 52.0N–.10 170.6W–.10 30–5 4.0b,3.8L
IDC III 17 09 25 09.8–8.8 51.91N 167.54W 0 3.4,3.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.3km s-min=6.7km az=161.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=21.1km s-min=7.4km az=151.0. hypocenter. manual.
IDC Error ellipse: s-maj=159.9km s-min=46.3km az=89.0.
ISC III 21 05 04 47.0–1.1 52.4N–.10 169.95W–.08 10 3.2b 22 0-53
NEIC III 21 05 04 46.8–2.6 52.40N–.07 169.95W–.09 13–10 3.4L **¶610543382**
AEIC III 21 05 04 48.7–3.5 52.51N–.09 170.03W–.10 14–7 3.4L
IDC III 21 05 04 59.3–7.4 52.32N 167.08W 0 3.4,3.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=5.3km az=145.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=15.5km s-min=4.6km az=149.0. hypocenter. manual.
IDC Error ellipse: s-maj=131.3km s-min=38.8km az=86.0.
ISC III 23 17 02 03.0–1.0 52.0N–.20 171.67W–.06 44 3.3b 38 1-63
IDC III 23 17 01 55.6–2.4 51.88N 171.96W 0 3.3b,3.3L **¶610543557**
AEIC III 23 17 02 01.6–2.9 51.8N–.20 171.7W–.10 20–8 3.3b,3.3L
NEIC III 23 17 02 04.2–2.6 52.05N–.06 171.63W–.08 56–17 3.6b,3.6L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 24 13 38 13.4–.63 53.09N–.08 170.58W–.04 10 3.8b 34 0-90
AEIC III 24 13 38 08.4–2.6 51.76N–.09 169.8W–.10 16–6 3.8b **¶610434851**
NEIC III 24 13 38 09.1–2.3 51.78N–.06 169.8W–.10 27–9 3.7b,3.6L
IDC III 24 13 38 12.7–1.1 53.35N 170.58W 0 3.7,3.7b
ISC Event type se.
AEIC Event type se. Error ellipse: s-maj=14.4km s-min=9.1km az=149.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=13.5km s-min=4.6km az=124.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=32.4km s-min=14.0km az=166.0.
ISC III 27 22 42 43.7–1.2 52.9N–.10 168.56W–.09 100 3.4b 63 0-87
IDC III 27 22 42 32.4–1.7 52.98N 168.88W 0 3.6,3.5b **¶610543818**
NEIC III 27 22 42 45.7–2.6 53.03N–.10 168.4W–.10 86–8 4.1L,3.8b
AEIC III 27 22 42 46.3–3.1 53.1N–.10 168.5W–.10 76–7 4.1L,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC III 28 15 02 14.9–1.2 52.8N–.10 169.65W–.06 11–8 3.6b 41 0-91
IDC III 28 15 02 12.7–1.1 52.75N 169.92W 0 3.6,3.6b **¶610543856**
AEIC III 28 15 02 14.3–1.0 52.81N–.09 169.66W–.07 5–6 3.6,3.6b
NEIC III 28 15 02 14.9–.79 52.9N–.10 169.62W–.08 7–9 3.7b,3.6L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC IV 04 23 43 21.4–2.3 52.3N–.10 167.89W–.08 17–12 3.8b,3.1L
AEIC IV 04 23 43 23.5–2.0 52.3N–.10 167.87W–.08 25–8 3.8b,3.1L **¶610483624**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC IV 07 02 47 34.4–.66 52.0N–.10 171.17W–.06 42 3.9b,3.3s 69 1-154
IDC IV 07 02 47 34.6–3.1 52.11N 171.31W 41–27 4.0,3.8L **¶610518286**
NEIC IV 07 02 47 35.0–1.8 52.01N–.09 171.11W–.06 43–10 3.9b,3.8L
AEIC IV 07 02 47 35.1–2.0 52.0N–.10 171.05W–.10 32–6 3.9b,3.8L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC IV 11 06 26 05.3–.60 52.94N–.10 166.94W–.06 35 4.3b,3.6s 133 1-115
AEIC IV 11 06 26 00.1–5.1 52.7N–.10 166.69W–.05 10–6 4.3b,3.6s **¶610652434**
MOS IV 11 06 26 01.5–1.2 52.81N 166.76W 24 4.5b,3.6s
NEIC IV 11 06 26 02.2–3.2 52.71N–.10 167.0W–.10 10–2 4.0b,3.8L
IDC IV 11 06 26 05.3–4.3 52.96N 166.85W 37–35 4.1,3.9b
ISC Event type se.
AEIC Event type se. Error ellipse: s-maj=16.8km s-min=4.8km az=183.0. hypocenter. manual.
MOS Error ellipse: s-maj=17.1km s-min=10.0km az=101.6.
NEIC Event type se. Error ellipse: s-maj=19.0km s-min=7.8km az=144.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=21.0km s-min=12.8km az=179.0.
ISC IV 13 07 27 58.4–.88 53.9N–.10 165.79W–.09 121–8 82 0-38
NEIC IV 13 07 27 58.1–2.7 53.9N–.10 165.8W–.20 120–6 **¶610527969**
AEIC IV 13 07 27 59.8–3.1 54.18N–.07 166.23W–.07 117–5 3.6b,3.5L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC IV 17 08 14 57.1–2.4 52.5N–.20 171.6W–.10 76–17 3.5b,2.9L
AEIC IV 17 08 14 55.0–3.8 52.4N–.20 171.5W–.10 108–8 3.5b,2.9L **¶611149535**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC IV 18 04 12 39.3–.60 52.82N–.09 168.25W–.05 35 3.9b,3.0s 207 0-87
IDC IV 18 04 12 34.3–1.2 53.03N 168.27W 0 3.9b,3.8 **¶610532549**
AEIC IV 18 04 12 38.5–2.1 52.74N–.08 168.27W–.07 41–6 3.9b,3.8
NEIC IV 18 04 12 39.6–1.3 52.80N–.08 168.29W–.08 36–8 4.0L,3.8b
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC IV 24 01 15 25.4–2.3 51.8N–.20 171.0W–.20 10–2 3.5b,3.5L
AEIC IV 24 01 15 25.5–2.5 51.1N–.10 170.7W–.10 10–7 3.5b,3.5L **¶611149626**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC IV 24 15 18 39.8–.79 53.01N–.09 166.70W–.06 35 3.6b,3.1s 193 1-115
IDC IV 24 15 18 34.9–1.3 53.06N 166.57W 0 3.6,3.5b **¶610649901**
AEIC IV 24 15 18 40.3–1.8 53.1N–.20 166.6W–.10 26–8 4.0L,3.8b
NEIC IV 24 15 18 40.8–1.7 53.2N–.10 166.8W–.10 32–12 4.0L,3.8b
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 01 04 36 34.2–.43 52.36N–.05 170.10W–.04 49–2 4.7b,4.4s 646 0-154
AEIC V 01 04 36 31.6–3.6 52.12N–.07 169.92W–.07 26–4 4.7b,4.4s **¶610589583**
MOS V 01 04 36 32.2–1.1 52.34N 170.16W 43 5.0b,4.4s
IDC V 01 04 36 32.9–2.2 52.37N 170.12W 32–14 4.5,4.3s
BJI V 01 04 36 33.2–.00 52.50N 170.38W 54 5.1b,4.9b
GCMT V 01 04 36 34.3–.20 52.13N–.01 169.92W–.02 34–0 5.1W,4.9b
NEIC V 01 04 36 35.3–2.0 52.45N–.06 170.1W–.10 55–5 5.1L,4.9L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s72,c102; s129,c192;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.73±.16 $M_{\theta\theta}$-1.75±.13; $M_{\phi\phi}$-1.98±.11; $M_{r\theta}$0.89±.13; $M_{\theta\phi}$-2.98±.07; $M_{\phi r}$3.65±.14; Best double couple: NP1:ϕ_s23.00000°,δ67.00000°,λ69.00000°. NP2:ϕ_s247.00000°,δ31.00000°,λ130.00000°. Principal axes: T 5.5500,Plg62.0000° ,Azm260.0000°; N 0.4410,Plg19.0000°,Azm32.0000°; P -5.9910,Plg19.0000°,Azm129.0000° $M_0$5.77000×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 01 04 54 55.6–.72 52.20N–.08 169.90W–.06 29 3.6b 67 1-90
IDC V 01 04 54 51.4–.93 52.35N 170.18W 0 3.7,3.7b **¶610589760**
AEIC V 01 04 54 55.9–2.1 52.14N–.07 169.9W–.10 26–4 3.7,3.7b
NEIC V 01 04 54 56.8–1.9 52.20N–.07 169.8W–.10 36–14 3.9L,3.7L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC V 05 19 08 58.6–1.9 53.1N–.10 167.6W–.10 48–21 3.7L,3.5b
AEIC V 05 19 08 58.0–3.3 53.25N–.07 167.8W–.10 60–9 3.7L,3.5b **¶611150078**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC V 06 20 43 18.8–.32 52.03N–.04 170.57W–.03 31–1 5.3b,4.6s 1454 1-159
AEIC V 06 20 43 16.2–2.1 51.93N–.05 170.45W–.08 5–3 5.3b,4.6s **¶610617724**
MOS V 06 20 43 17.1–.92 52.06N 170.58W 30 5.5b,4.5s
BJI V 06 20 43 17.3–.00 52.34N 171.05W 19 5.3b,5.1b
NEIC V 06 20 43 17.8 51.59N 170.73W 36 5.3b,5.1b
NEIC V 06 20 43 17.8 52.09N 170.57W 36 5.3b,5.1b
IDC V 06 20 43 18.8–2.0 52.12N 170.69W 31–14 5.0,4.9b
GCMT V 06 20 43 19.9–.20 51.97N–.01 170.56W–.02 22–0 5.2W,4.9b
NEIC V 06 20 43 19.3–1.7 52.11N–.06 170.54W–.08 32–4 5.3b,5.2
BGR V 06 20 43 30.3 53.64N 170.75W 33 5.4b,4.4s
ISC Event type ke.
AEIC Event type se. Error ellipse: s-maj=8.8km s-min=4.6km az=133.0. hypocenter. manual.
MOS Error ellipse: s-maj=6.6km s-min=3.7km az=97.3.
NEIC Event type se. Moment Tensor Solution.Duration: 1s9 Moment tensor: Scale 10^{16}Nm; M_{rr}4.88 $M_{\theta\theta}$-5.65 $M_{\phi\phi}$0.77 $M_{r\theta}$3.51 $M_{\theta\phi}$-2.20 $M_{\phi r}$1.49 NP1:ϕ_s68.61000°,δ62.20000° ,λ85.36000°. NP2:ϕ_s258.49000°,δ28.16000°,λ98.73000°. Principal axes: T 6.0767,Plg72.0000°,Azm328.0000°; N 1.4183,Plg4.0000°,Azm71.0000° ; P -7.4950,Plg17.0000°,Azm162.0000° $M_0$6.79000×10^{16}
NEIC Event type se.
IDC Error ellipse: s-maj=12.4km s-min=7.3km az=166.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s89,c137; s118,c191;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.67±.02 $M_{\theta\theta}$-0.62±.01; $M_{\phi\phi}$-0.05±.01; $M_{r\theta}$0.33±.02; $M_{\theta\phi}$-0.22±.01; $M_{\phi r}$0.29±.02; Best double couple: NP1:ϕ_s59.00000°,δ62.00000°,λ79.00000°. NP2:ϕ_s263.00000°,δ31.00000°,λ110.00000°. Principal axes: T 0.8140,Plg71.0000° ,Azm304.0000°; N -0.0060,Plg10.0000°,Azm65.0000°; P -0.8090,Plg16.0000° ,Azm158.0000° $M_0$0.81100×10^{17}
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=5.5km az=146.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BGR Event type ke.
ISC V 09 20 40 42.9–.64 53.59N–.08 170.33W–.04 187–6 4.2b 402 1-135
IDC V 09 20 40 40.7–4.9 53.51N 170.54W 170–45 4.2,3.7b **¶610619300**
MOS V 09 20 40 42.0–.91 53.62N 170.40W 196 4.1b,3.7b
NEIC V 09 20 40 43.1–2.1 53.67N–.08 170.39W–.10 182–8 4.5L,4.3b
AEIC V 09 20 40 44.1–2.7 53.3N–.10 170.2W–.10 202–6 4.5L,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC V 14 00 11 58.4–1.4 52.7N–.20 168.29W–.07 40–7 42 0-70
AEIC V 14 00 11 58.5–3.9 53.0N–.10 168.54W–.10 55–5 **¶611150788**
NEIC V 14 00 11 58.1–2.6 52.70N–.08 168.29W–.07 37–8 4.1b,3.9L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 14 08 04 36.1–.87 52.0N–.10 170.55W–.07 31 3.7b,3.2s 36 1-90
IDC V 14 08 04 31.6–1.2 52.00N 170.52W 0 3.7b,3.6 **¶610690258**
AEIC V 14 08 04 34.5–1.5 51.98N–.06 170.51W–.09 16–7 3.8L,3.3L
NEIC V 14 08 04 37.3–2.4 52.1N–.10 170.6W–.10 37–65 3.8L,3.3L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC V 17 06 38 06.2–703 53.45N 169.37W 0
¶610690469
IDC Error ellipse: s-maj=347.1km s-min=213.9km az=164.0.
ISC V 18 05 29 03.9–.58 52.20N–.09 170.47W–.05 31 4.0b,3.2s 271 1-117
IDC V 18 05 28 59.4–.81 52.21N 170.73W 0 3.9,3.9b **¶610643000**
NEIC V 18 05 28 59.9–2.3 52.04N–.07 170.5W–.10 10–1 4.0L,3.9b
AEIC V 18 05 29 04.5–2.8 52.3N–.20 170.5W–.10 26–8 4.0L,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC V 18 19 51 42.4–.72 52.0N–.10 170.40W–.06 31 4.1b,3.2s 165 1-115
IDC V 18 19 51 38.3–1.1 52.04N 170.55W 0 4.1,4.1b **¶610690618**
NEIC V 18 19 51 38.1–2.2 51.8N–.10 170.3W–.10 10–2 3.9b,3.9L
AEIC V 18 19 51 41.8–2.3 51.9N–.10 170.4W–.10 36–5 3.9b,3.9L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC V 19 01 21 40.7–.37 51.89N–.04 170.51W–.03 16–1 5.2b,4.7s 1148 1-158
BJI V 19 01 21 36.9–.00 52.11N 170.71W 5 5.2b,5.2b **¶610643017**
NEIC V 19 01 21 40 51.92N 170.48W 30 5.2b,5.2b
NEIC V 19 01 21 40 51.32N 170.64W 30 5.2b,5.2b
AEIC V 19 01 21 40.7–2.4 51.84N–.05 170.38W–.09 9–3 5.2b,5.2b
MOS V 19 01 21 41.6–.96 52.03N 170.55W 29 5.5b,4.6s
NEIC V 19 01 21 42.2–1.7 52.00N–.09 170.49W–.07 22–3 5.2,5.2b
IDC V 19 01 21 42.1–2.2 52.03N 170.54W 21–13 4.8,4.6b
GCMT V 19 01 21 45.1–.20 51.89N–.01 170.44W–.02 16–0 5.2W,4.6b
BGR V 19 01 21 55.3 54.12N 172.17W 33 4.8b,4.6b
ISC Event type ke.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2s0 Moment tensor: Scale 10^{16}Nm; M_{rr}4.47 $M_{\theta\theta}$-5.97 $M_{\phi\phi}$1.49 $M_{r\theta}$4.55 $M_{\theta\phi}$-2.24 $M_{\phi r}$0.56 NP1:ϕ_s82.44000°,δ65.18000° ,λ98.76000°. NP2:ϕ_s242.29000°,δ26.22000°,λ71.77000°. Principal axes:

T 6.1930,Plg69.0000°,Azm10.0000°; N 2.0190,Plg8.0000°,Azm259.0000°
; P -8.2120,Plg20.0000°,Azm166.0000° $M_0$7.20000×10^{16}
AEIC Event type se. Error ellipse: s-maj=9.3km s-min=5.3km az=126.0. hypocenter. manual.
MOS Error ellipse: s-maj=7.9km s-min=4.4km az=100.5.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=4.8km az=161.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=14.8km s-min=8.2km az=178.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s78,c133; s121,c213;Duration: 1s0
Moment tensor: Scale 10^{17}Nm; M_{rr}0.52±.02 $M_{\theta\theta}$-0.59±.01; $M_{\phi\phi}$0.06±.01; $M_{r\theta}$0.62±.04; $M_{\theta\phi}$-0.14±.01; $M_{\phi r}$0.22±.03; Best double couple: NP1:ϕ_s72.00000°,δ70.00000°,λ85.00000°.
NP2:ϕ_s267.00000°,δ21.00000°,λ104.00000°. Principal axes: T 0.8300,Plg65.0000°
,Azm333.0000°; N 0.0850,Plg5.0000°,Azm74.0000°; P -0.9150,Plg25.0000°,Azm166.0000°
$M_0$0.87300×10^{17}
BGR Event type ke.
ISC V 19 01 24 56.3–.54 51.91N–.09 170.47W–.06 10 4.5s,4.5b 108 1-154
IDC V 19 01 24 54.7–.85 52.00N 170.48W 0 4.4s,4.3 **¶610643018**
AEIC V 19 01 24 55.6–3.5 51.76N–.10 170.3W–.10 4–4 4.4s,4.3
NEIC V 19 01 24 56.8–2.8 51.94N–.06 170.42W–.10 10–1 4.6b,4.0L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 19 03 49 03.8–2.0 51.9N–.40 170.5W–.10 10 3.7b 9 12-70
IDC V 19 03 49 01.4–2.5 51.69N 170.64W 0 3.7,3.7b **¶610690641**
ISC Event type ke.
IDC Error ellipse: s-maj=72.6km s-min=23.1km az=6.0.
ISC V 19 09 45 14.8–.76 53.03N–.10 170.89W–.05 10 3.8b 74 1-69
IDC V 19 09 45 13.0–3.1 52.82N 170.47W 0 3.9,3.6b **¶610690666**
NEIC V 19 09 45 14.7–1.7 53.00N–.07 170.96W–.09 10–2 3.7b,3.1L
AEIC V 19 09 45 15.0–4.8 52.2N–.20 170.5W–.10 56–7 3.7b,3.1L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC V 22 16 51 19.4–.53 51.20N–.07 168.97W–.05 10 4.3b 156 2-90
IDC V 22 16 51 17.5–.76 51.02N 169.09W 0 3.9,3.9b **¶610646391**
NEIC V 22 16 51 19.8–1.5 51.26N–.06 169.05W–.06 10–1 4.3b,4.0L
AEIC V 22 16 51 22.8–1.9 51.20N–.08 168.94W–.09 0–5 4.3b,4.0L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC V 24 16 07 04.0–.43 52.24N–.04 166.62W–.03 15–2 5.3b,4.5s 1406 1-160
IDC V 24 16 07 01.9–.48 52.30N 166.72W 0 5.0,5.0b **¶611833966**
BJI V 24 16 07 02.0–.00 52.40N 166.70W 10 5.2b,5.0b
NEIC V 24 16 07 03.2–1.9 52.32N–.06 166.67W–.05 11–3 5.4b,5.3
MOS V 24 16 07 03.2–1.1 52.24N 166.70W 19 5.5b,4.5s
NEIC V 24 16 07 04 51.86N 166.55W 12 5.5b,4.5s
NEIC V 24 16 07 04 52.36N 166.71W 12 5.5b,4.5s
AEIC V 24 16 07 05.6–2.5 52.37N–.07 166.66W–.08 46–4 5.5b,4.5s
GCMT V 24 16 07 06.2–.20 52.22N–.01 166.60W–.02 12 5.2W,4.5s
BGR V 24 16 07 22.4 54.19N 166.62W 40–0 5.2b,5.1s
ISC Event type ke.
IDC Error ellipse: s-maj=15.0km s-min=9.2km az=176.0.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=4.3km az=166.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=7.5km s-min=4.1km az=102.7.
NEIC Event type se. Moment Tensor Solution.Duration: 2s1 Moment tensor: Scale 10^{16}Nm; M_{rr}-6.64 $M_{\theta\theta}$6.72 $M_{\phi\phi}$-0.08 $M_{r\theta}$-6.63 $M_{\theta\phi}$2.27 $M_{\phi r}$-0.61 NP1:ϕ_s81.47000°,δ66.91000°
,λ-82.73000°. NP2:ϕ_s243.46000°,δ24.15000°,λ-106.52000°. Principal axes:
T 9.9899,Plg22.0000°,Azm166.0000°; N -0.6086,Plg7.0000°,Azm259.0000°
; P -9.3814,Plg67.0000°,Azm5.0000° $M_0$9.69000×10^{16}
NEIC Event type se.
AEIC Event type se. Error ellipse: s-maj=10.7km s-min=6.4km az=158.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s94,c140; s135,c239;Duration: 1s0
Moment tensor: Scale 10^{17}Nm; M_{rr}-0.82±.01 $M_{\theta\theta}$0.80±.01; $M_{\phi\phi}$0.01±.01; $M_{r\theta}$-0.36±.04; $M_{\theta\phi}$0.29±.01; $M_{\phi r}$0.14±.04; Best double couple: NP1:ϕ_s87.00000°,δ57.00000°,λ-71.00000°.
NP2:ϕ_s236.00000°,δ38.00000°,λ-116.00000°. Principal axes: T 0.9540,Plg10.0000°
,Azm164.0000°; N -0.0140,Plg15.0000°,Azm257.0000°; P -0.9400,Plg71.0000°
,Azm43.0000° $M_0$0.94700×10^{17}
BGR Event type ke.
ISC V 24 16 36 02.0–.35 52.34N–.03 166.72W–.02 19–1 5.8b,5.4s 2083 1-160
BJI V 24 16 35 57.0–.00 52.40N 166.60W 10 5.8b,5.7s **¶610651482**
IDC V 24 16 35 58.9–.34 52.34N 166.67W 0 5.4,5.4b
MOS V 24 16 35 59.2–1.2 52.28N 166.78W 10 6.0b,5.3s
NEIC V 24 16 35 59.7 52.35N 166.65W 4 6.0b,5.3s
NEIC V 24 16 36 00.2 52.36N 166.64W 12 6.0b,5.3s
NEIC V 24 16 36 00.1–1.7 52.32N–.04 166.67W–.06 10–1 5.9,5.8b
NEIC V 24 16 36 00.2 51.96N 166.64W 12 5.9,5.8b
AEIC V 24 16 36 02.2–1.9 52.37N–.05 166.70W–.07 8–3 5.9,5.8b
GCMT V 24 16 36 05.0–.10 52.26N 166.65W 12 5.8W,5.8b
BGR V 24 16 36 12.3 53.26N 166.33W 46–0 6.3,6.0b
ISC Event type ke.
IDC Error ellipse: s-maj=12.4km s-min=6.5km az=0.0.
MOS Error ellipse: s-maj=7.0km s-min=3.6km az=100.7.
NEIC Event type se.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=6.8km s-min=5.9km az=113.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-2.26 $M_{\theta\theta}$1.46 $M_{\phi\phi}$0.80 $M_{r\theta}$0.54 $M_{\theta\phi}$0.75 $M_{\phi r}$0.47 NP1:ϕ_s58.84000°,δ35.76000°,λ-86.64000°. NP2:ϕ_s234.70000°,δ54.31000°
,λ-92.42000°. Principal axes: T 2.0641,Plg9.0000°,Azm326.0000°; N 0.3177,Plg2.0000°
,Azm236.0000°; P -2.3817,Plg81.0000°,Azm134.0000° $M_0$2.24000×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 4s1 Moment tensor: Scale 10^{17}Nm; M_{rr}-5.68 $M_{\theta\theta}$5.36 $M_{\phi\phi}$0.32 $M_{r\theta}$-4.33 $M_{\theta\phi}$2.26 $M_{\phi r}$-1.40 NP1:ϕ_s71.00000°,δ63.72000°
,λ-88.15000°. NP2:ϕ_s246.83000°,δ26.34000°,λ-93.74000°. Principal axes:
T 7.7588,Plg19.0000°,Azm160.0000°; N -0.5342,Plg2.0000°,Azm250.0000°
; P -7.2246,Plg71.0000°,Azm345.0000° $M_0$7.49000×10^{17}
AEIC Event type se. Error ellipse: s-maj=7.5km s-min=5.5km az=156.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s134,c269; s163,c547;
Duration: 2s0 Moment tensor: Scale 10^{17}Nm; M_{rr}-6.12±.04 $M_{\theta\theta}$6.14±.04; $M_{\phi\phi}$-0.01±.04; $M_{r\theta}$-0.79±.12; $M_{\theta\phi}$2.26±.03; $M_{\phi r}$1.19±.13; Best double couple: NP1:ϕ_s85.00000°,δ48.00000°
,λ-72.00000°. NP2:ϕ_s239.00000°,δ45.00000°,λ-109.00000°. Principal axes:
T 6.8920,Plg2.0000°,Azm162.0000°; N -0.4240,Plg14.0000°,Azm253.0000°
; P -6.4620,Plg76.0000°,Azm65.0000° $M_0$6.67700×10^{17}
BGR Event type ke.
ISC V 24 17 49 47.4–.99 52.6N–.20 166.6W–.10 21 3.5b 11 10-92
IDC V 24 17 49 44.2–1.3 52.44N 166.56W 0 3.6,3.6b **¶610685309**
ISC Event type ke.
IDC Error ellipse: s-maj=39.4km s-min=26.2km az=18.0.
ISC V 24 22 56 12.5–1.2 52.38N–.08 166.78W–.07 25 3.8b 21 1-66
IDC V 24 22 56 08.5–2.4 52.31N 166.75W 0 3.8,3.8b **¶610653553**
NEIC V 24 22 56 12.8–.93 52.39N–.03 166.75W–.05 25–11 2.8L,3.8b
AEIC V 24 22 56 12.8–1.5 52.36N–.09 166.9W–.10 57–10 2.8L,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
AEIC V 25 04 51 04.3–2.2 52.34N–.10 166.77W–.10 42–9
NEIC V 25 04 51 02.5–1.9 52.2N–.10 166.67W–.09 34–12 3.8b,2.5L **¶610654525**
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 25 05 58 05.9–1.3 52.4N–.10 166.58W–.08 50 4.1b 38 1-68
IDC V 25 05 58 04.7–7.2 52.91N 166.53W 0 4.0,4.0b **¶610654527**
NEIC V 25 05 58 04.3–1.2 52.30N–.06 166.69W–.10 79–16 3.6b,2.7L
AEIC V 25 05 58 05.1–2.5 52.37N–.09 166.8W–.10 65–9 3.6b,2.7L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC V 25 17 24 28.8–.82 52.9N–.10 166.87W–.07 37 4.0b 73 1-115
IDC V 25 17 24 29.7–3.7 53.04N 166.89W 43–32 4.0,3.8b **¶610654451**
AEIC V 25 17 24 31.5–2.5 52.92N–.10 166.92W–.06 39–8 4.0,3.8b
NEIC V 25 17 24 33.2–2.5 53.25N–.07 167.2W–.10 35–2 3.8b,3.7L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC V 28 22 18 57.3–632 54.46N 169.49W 0
¶610685575
IDC Error ellipse: s-maj=285.1km s-min=213.8km az=171.0.
ISC V 30 11 45 23.7–1.3 52.7N–.30 169.7W–.10 10 3.6b 7 11-76
IDC V 30 11 45 22.5–1.6 52.87N 169.58W 0 3.7,3.6b **¶610685719**
ISC Event type ke.
IDC Error ellipse: s-maj=52.1km s-min=20.3km az=172.0.
ISC VI 04 09 34 07.9–.73 52.0N–.10 169.38W–.06 30 3.9b 112 1-90
NEIC VI 04 09 34 04.0–2.0 51.8N–.10 169.2W–.20 10–2 3.7b,3.6L **¶610661344**
IDC VI 04 09 34 03.8–.90 52.10N 169.62W 0 3.9,3.9b
AEIC VI 04 09 34 08.3–.00 52.05N 169.50W 34 3.9,3.9b
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=25.5km s-min=11.3km az=149.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=25.5km s-min=15.3km az=168.0.
AEIC Event type se. hypocenter. manual.
ISC VI 04 21 17 33.1–1.2 52.9N–.20 170.9W–.10 107 3.5b 8 11-90
IDC VI 04 21 17 33.5–6.4 52.94N 170.86W 110–58 3.6,3.3b **¶610791254**
ISC Event type ke.
IDC Error ellipse: s-maj=46.3km s-min=24.6km az=6.0.
ISC VI 05 07 51 06.5–.47 52.32N–.05 170.44W–.03 48–3 4.8b,4.1s 1052 1-160
MOS VI 05 07 51 03.2–1.0 52.34N 170.48W 33 4.9b,4.2s **¶610661471**
AEIC VI 05 07 51 06.6–1.9 52.39N–.09 170.53W–.08 26–3 4.9b,4.2s
NEIC VI 05 07 51 06.6–2.3 52.34N–.08 170.44W–.08 44–4 4.9L,4.7b
IDC VI 05 07 51 07.7–2.1 52.45N 170.65W 54–18 4.7,4.4b
BGR VI 05 07 51 08.7 52.84N 170.99W 36 4.9b,4.0s
GCMT VI 05 07 51 08.6–.30 52.18N–.02 170.39W–.03 46–1 5.0W,4.0s
ISC Event type ke.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BGR Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s57,c72; s87,c118;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}2.95±.14 $M_{\theta\theta}$-2.81±.12; $M_{\phi\phi}$-0.14±.13; $M_{r\theta}$1.23±.10; $M_{\theta\phi}$-1.29±.07; $M_{\phi r}$1.05±.08; Best double couple: NP1:ϕ_s59.00000°,δ59.00000°,λ80.00000°.
NP2:ϕ_s258.00000°,δ33.00000°,λ106.00000°. Principal axes: T 3.3880,Plg74.0000°
,Azm301.0000°; N 0.3020,Plg9.0000°,Azm64.0000°; P -3.6890,Plg13.0000°,Azm156.0000°
$M_0$3.53800×10^{16}
ISC VI 07 03 55 57.9–1.1 52.31N–.08 170.12W–.04 49–8 4.3b,3.5s 373 1-154
IDC VI 07 03 55 51.0–.63 52.31N 170.21W 0 4.2,4.2b **¶610666228**
AEIC VI 07 03 55 54.7–3.1 52.17N–.04 170.13W–.09 8–4 4.2,4.2b
NEIC VI 07 03 55 58.4–1.9 52.39N–.08 170.11W–.09 46–5 4.3b,4.0L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC VI 13 03 58 34.0–1.6 54.50N–.09 169.8W–.20 28–10 3.4L
IDC VI 13 03 56 24.9–380 53.15N 168.69W 0 3.4L **¶610791755**
NEIC VI 13 03 58 33.4–1.1 54.0N–.60 169.5W–.50 143–47 3.4L
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 14 09 55 41.4–.84 52.0N–.10 170.95W–.07 42 3.6b 53 1-89
IDC VI 14 09 55 35.4–1.1 52.02N 171.20W 0 3.6b,3.5 **¶610791856**
AEIC VI 14 09 55 39.1–2.8 52.0N–.10 171.0W–.10 26–7 3.8L,3.6L
NEIC VI 14 09 55 40.3–2.7 51.9N–.10 170.9W–.10 40–14 3.8L,3.6L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 25 08 47 03.5–.59 51.72N–.07 170.72W–.04 26–3 4.8b,4.1s 607 1-154
AEIC VI 25 08 47 01.4–4.0 51.4N–.10 170.53W–.09 47–6 4.8b,4.1s **¶611834191**
BJI VI 25 08 47 01.3–.00 51.99N 171.36W 10 5.0b,5.0b
MOS VI 25 08 47 03.1–1.1 51.90N 170.76W 31 5.2b,5.0b
IDC VI 25 08 47 04.9–2.7 52.00N 170.83W 28–17 4.5,4.4b
NEIC VI 25 08 47 05.3–1.6 51.9N–.10 170.73W–.09 37–7 4.7b,4.3L
BGR VI 25 08 47 06.3 51.63N 171.62W 33 4.7b,4.3L
ISC Event type ke.
AEIC Event type se. Error ellipse: s-maj=16.3km s-min=7.5km az=165.0. hypocenter. manual.
MOS Error ellipse: s-maj=9.5km s-min=5.8km az=103.9.
IDC Error ellipse: s-maj=20.3km s-min=10.3km az=176.0.
NEIC Event type se. Error ellipse: s-maj=17.2km s-min=2.8km az=154.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BGR Event type ke.
ISC VI 25 09 41 43.3–.97 51.8N–.20 170.75W–.06 35 3.7b 48 1-76
IDC VI 25 09 41 38.1–1.6 51.81N 170.96W 0 3.7b,3.6 **¶610694753**
NEIC VI 25 09 41 43.7–1.7 51.7N–.10 170.7W–.10 36–14 3.7b,3.1L
AEIC VI 25 09 41 47.1–7.9 51.6N–.20 171.2W–.10 55–9 3.7b,3.1L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VI 26 02 42 06.0–.65 53.40N–.10 170.13W–.05 200 3.7b 137 1-91
IDC VI 26 02 42 03.1–5.0 53.49N 170.43W 163–45 3.8,3.3b **¶610789477**
AEIC VI 26 02 42 04.3–2.3 53.4N–.10 170.3W–.10 194–7 3.8,3.3b
NEIC VI 26 02 42 05.8–2.1 53.5N–.10 170.3W–.10 185–11 4.0b,3.4L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 27 23 45 27.1–.69 53.13N–.07 166.70W–.05 38–2 4.0b,3.4s 167 1-115
IDC VI 27 23 45 20.9–1.2 53.15N 167.08W 0 3.9b,3.8 **¶610696890**
AEIC VI 27 23 45 26.4–3.0 53.18N–.05 166.74W–.06 36–2 3.9b,3.8
NEIC VI 27 23 45 28.3–2.8 53.24N–.05 166.79W–.06 46–7 4.2b,4.0L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(10) Unimak Island region.

ISC I 14 19 00 29.1–1.7 53.93N–.08 163.48W–.06 30–12 3.5b 73 1-113
AEIC I 14 19 00 30.8–1.5 54.02N–.05 163.60W–.08 20–7 3.5b **¶610237376**
NEIC I 14 19 00 31.2–1.8 54.00N–.06 163.65W–.05 30–11 3.6b,3.6L
IDC I 14 19 00 32.6–6.0 54.50N 163.68W 45–43 4.2s,3.4
ISC Event type se.
AEIC Event type se. Error ellipse: s-maj=8.8km s-min=4.8km az=139.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=4.2km az=179.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=106.0km s-min=25.6km az=166.0.
ISC I 14 23 51 00.3–1.8 54.09N–.07 164.13W–.05 10–11 58 0-114
NEIC I 14 23 51 00.8–2.0 54.12N–.04 164.21W–.08 15–7 3.8b,3.8L **¶610237397**
AEIC I 14 23 51 00.6–2.3 54.11N–.04 164.16W–.07 13–6 3.8b,3.8L
IDC I 14 23 51 08.0–4.9 54.00N 162.70W 0 3.4,3.4b

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=5.1km az=132.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=6.7km s-min=5.1km az=128.0. hypocenter. manual.
IDC Error ellipse: s-maj=79.7km s-min=39.0km az=90.0.
IDC I 20 22 23 00.2–405 54.16N 164.98W 0
¶610234963
IDC Error ellipse: s-maj=235.8km s-min=147.9km az=38.0.
ISC I 26 16 32 47.2–.51 53.95N–.08 163.84W–.04 39 4.5b,3.8s 228 1-114
IDC I 26 16 32 41.9–.69 54.00N 164.01W 0 4.2,4.2b **¶610130721**
MOS I 26 16 32 43.8–.91 53.95N 163.81W 28 4.7b,4.2b
NEIC I 26 16 32 45.7–2.0 53.92N–.06 163.86W–.06 27–5 4.5b,4.4L
AEIC I 26 16 32 46.3–2.5 53.9N–.10 163.83W–.08 26–5 4.5b,4.4L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC II 10 07 42 52.4–2.2 53.9N–.10 164.68W–.08 37–28 3.5L,3.4b
AEIC II 10 07 42 51.5–2.4 53.9N–.20 164.7W–.10 33–8 3.5L,3.4b **¶611148982**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC II 15 12 55 41.6–.82 53.6N–.10 163.16W–.07 32 3.9b 31 1-113
IDC II 15 12 55 37.9–1.3 53.82N 163.42W 0 3.6,3.6b **¶610415566**
AEIC II 15 12 55 40.8–1.6 53.55N–.09 163.21W–.06 38–10 3.4L,3.3L
NEIC II 15 12 55 41.5–1.6 53.56N–.09 163.21W–.08 40–70 3.4L,3.3L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 02 02 56 24.3–.44 55.49N–.06 163.50W–.04 183–3 4.3b 459 1-95
AEIC III 02 02 56 24.3–6.3 55.26N–.09 163.3W–.10 189–5 4.3b **¶610243167**
NEIC III 02 02 56 24.9–1.8 55.60N–.09 163.6W–.10 179–7 4.4b,4.3L
ANF III 02 02 56 24.3–.23 55.44N 163.48W 168–2 4.5L,4.3L
IDC III 02 02 56 25.2–.64 55.61N 163.65W 186–4 4.1,3.6b
ISC Event type se.
AEIC Event type se. Error ellipse: s-maj=13.7km s-min=8.8km az=166.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=13.1km s-min=8.9km az=168.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ANF Error ellipse: s-maj=3.5km s-min=2.8km az=133.0.
IDC Error ellipse: s-maj=15.5km s-min=7.9km az=8.0.
ISC III 06 19 40 51.1–.76 53.42N–.08 163.34W–.05 29 3.9b 94 1-86
NEIC III 06 19 40 48.8–1.8 53.35N–.10 163.43W–.10 14–7 4.2b,3.6L **¶616204875**
IDC III 06 19 40 49.2–1.5 53.73N 163.87W 0 3.7,3.7b
AEIC III 06 19 40 51.2–2.2 53.42N–.08 163.50W–.10 23–6 3.7,3.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC III 07 21 07 18.6–.79 53.61N–.08 163.53W–.05 29 4.0b,3.2s 92 1-85
IDC III 07 21 07 15.0–1.7 53.65N 163.69W 0 3.8,3.8b **¶610545758**
NEIC III 07 21 07 18.2–2.5 53.58N–.06 163.69W–.08 28–7 3.9b,3.6L
AEIC III 07 21 07 19.8–2.2 53.64N–.08 163.7W–.10 40–5 3.9b,3.6L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC III 11 08 32 02.4–.75 53.59N–.10 163.58W–.05 29 4.0b,3.6s 86 1-86
IDC III 11 08 31 58.5–1.4 53.63N 163.70W 0 3.8,3.8b **¶610546007**
NEIC III 11 08 32 01.0–2.2 53.5N–.10 163.62W–.08 23–11 3.8b,3.6L
AEIC III 11 08 32 03.5–2.3 53.6N–.10 163.7W–.10 40–8 3.8b,3.6L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC III 11 09 28 00.3–.59 53.59N–.08 163.35W–.04 29 4.4b,3.4s 281 1-113
NEIC III 11 09 27 57.7–1.3 53.2N–.10 163.37W–.08 35–16 4.4b,3.4s **¶610323367**
IDC III 11 09 27 58.0–.91 53.84N 163.78W 0 4.0,4.0b
MOS III 11 09 27 59.7–1.4 53.66N 163.32W 31 4.6b,4.0b
AEIC III 11 09 28 00.2–2.0 53.48N–.10 163.58W–.08 38–7 4.0b,3.8L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC III 24 18 25 39.8–1.7 53.2N–.20 164.25W–.07 24 35 1-25
NEIC III 24 18 25 39.4–2.4 53.2N–.10 164.26W–.09 10–2 3.7b,3.2L **¶611149329**
AEIC III 24 18 25 41.4–2.5 53.3N–.10 164.34W–.10 8–7 3.7b,3.2L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC III 27 17 29 03.4–1.1 54.47N–.07 163.13W–.06 10 51 0-113
IDC III 27 17 28 58.0–3.5 53.72N 163.00W 0 3.5,3.4b **¶610543809**
NEIC III 27 17 29 03.7–1.5 54.47N–.05 163.17W–.09 12–11 4.1L,3.6L
AEIC III 27 17 29 04.1–1.8 54.55N–.05 163.24W–.08 11–7 4.1L,3.6L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC IV 01 20 14 27.8–3.0 54.41N–.10 164.7W–.10 80–9 3.8L,3.7b
AEIC IV 01 20 14 28.4–3.1 54.2N–.10 164.5W–.10 71–7 3.8L,3.7b **¶611149394**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC IV 10 08 35 02.8–.71 54.0N–.10 164.76W–.06 35 3.8b 112 1-114
IDC IV 10 08 34 56.9–2.2 54.00N 165.11W 0 3.7,3.7b **¶610525140**
NEIC IV 10 08 34 59.4–2.5 53.92N–.08 164.72W–.07 10–1 3.9L,3.8b
AEIC IV 10 08 35 00.8–2.5 53.93N–.09 164.8W–.10 29–6 3.9L,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC IV 18 20 16 45.8–.56 53.80N–.07 163.00W–.04 10 4.2b 189 1-86
MOS IV 18 20 16 45.6–1.4 54.12N 163.27W 12 4.5b **¶610537699**
IDC IV 18 20 16 45.2–1.0 53.92N 163.28W 0 3.9,3.9b
NEIC IV 18 20 16 46.5–2.5 53.71N–.07 162.98W–.06 10–2 3.8b,3.8L
AEIC IV 18 20 16 50.5–2.2 53.74N–.08 163.05W–.09 18–6 3.8b,3.8L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC IV 22 11 34 41.4–1.1 54.1N–.10 164.26W–.09 10 3.4b 18 1-114
IDC IV 22 11 34 40.1–1.9 53.88N 164.24W 0 3.7L,3.4 **¶610653261**
NEIC IV 22 11 34 40.7–2.3 54.05N–.09 164.19W–.08 10–2 3.5L,3.3L
AEIC IV 22 11 34 41.7–3.1 54.2N–.20 164.3W–.10 16–8 3.5L,3.3L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC IV 28 10 10 42.1–.70 53.31N–.08 164.07W–.05 26 4.1b,3.3s 181 1-86
IDC IV 28 10 10 38.9–1.5 53.46N 164.22W 0 3.9,3.9b **¶610650215**
NEIC IV 28 10 10 40.7–1.5 53.3N–.10 164.15W–.10 10–1 3.7b,3.4L
AEIC IV 28 10 10 40.2–1.7 53.3N–.10 164.0W–.10 11–5 3.7b,3.4L
ANF IV 28 10 10 42.7–.51 53.27N 164.09W 36–10 3.6L,3.4L
ISC Event type se.
IDC Error ellipse: s-maj=42.4km s-min=17.1km az=173.0.
NEIC Event type se. Error ellipse: s-maj=19.8km s-min=8.5km az=161.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=18.4km s-min=8.0km az=160.0. hypocenter. manual.
ANF Event type se. Error ellipse: s-maj=7.4km s-min=2.7km az=153.0.
ISC IV 29 12 10 54.0–.53 53.88N–.06 163.07W–.05 10 4.0b 293 1-113
IDC IV 29 12 10 52.9–.93 54.00N 163.23W 0 3.9,3.9b **¶610589283**
AEIC IV 29 12 10 55.0–2.8 53.91N–.05 163.09W–.05 13–6 3.9,3.9b
NEIC IV 29 12 10 54.9–2.6 53.94N–.04 163.10W–.08 10–1 4.2L,4.0L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 12 22 53 44.9–.38 54.66N–.06 164.44W–.03 10 4.8b,4.1s 734 1-98
BJI V 12 22 53 41.0–.00 54.60N 164.50W 10 5.1b,4.9s **¶610638076**
AEIC V 12 22 53 43.1–2.0 54.62N–.08 164.44W–.09 5–4 5.1b,4.9s
MOS V 12 22 53 43.8–1.1 54.72N 164.44W 11 4.7b,4.2s
NEIC V 12 22 53 44.6–1.7 54.69N–.07 164.55W–.09 3–5 4.9b,4.7L
IDC V 12 22 53 44.2–.67 54.87N 164.44W 0 4.2,4.2b
GCMT V 12 22 53 45.6–.30 54.63N–.02 164.41W–.02 15–1 4.8W,4.2b
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s23,c27; s105,c141;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}0.24±.07 $M_{\theta\theta}$1.70±.08; $M_{\phi\phi}$-1.93±.10; $M_{r\theta}$-0.02±.14; $M_{\theta\phi}$0.78±.06; $M_{\phi r}$-0.08±.13; Best double couple: NP1:ϕ_s33.00000°,δ90.00000°,λ-178.00000°. NP2:ϕ_s303.00000°,δ88.00000°,λ0.00000°. Principal axes: T 1.8630,Plg1.0000° ,Azm168.0000°; N 0.2380,Plg88.0000°,Azm42.0000°; P -2.0940,Plg2.0000°,Azm258.0000° $M_0$1.97900×10^{16}
ISC V 24 06 35 17.7–.45 53.28N–.04 164.47W–.03 14–2 5.2b,4.6s 1236 1-161
BJI V 24 06 35 16.0–.00 53.40N 164.40W 20 5.2b,5.2b **¶611833976**
IDC V 24 06 35 16.0–.55 53.42N 164.62W 0 5.0,5.0b
NEIC V 24 06 35 17.5 53.27N 164.43W 18 5.0,5.0b
NEIC V 24 06 35 17.5–2.7 53.31N–.06 164.45W–.07 10–1 5.2,5.2b
MOS V 24 06 35 17.2–.95 53.61N 164.75W 10 5.3b,4.7s
NEIC V 24 06 35 17.5 53.27N 164.43W 10 5.3b,4.7s
NEIC V 24 06 35 17.5 53.27N 164.59W 18 5.3b,4.7s
AEIC V 24 06 35 18.0–3.0 53.25N–.06 164.38W–.07 14–4 5.3b,4.7s
GCMT V 24 06 35 22.5–.20 53.29N–.01 164.31W–.02 20–0 5.2W,4.7s
BGR V 24 06 35 29.6 54.84N 164.45W 35–1 5.1b,4.7s
ISC Event type ke.
IDC Error ellipse: s-maj=15.7km s-min=9.3km az=177.0.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=7.1km az=185.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}5.68 $M_{\theta\theta}$-4.87 $M_{\phi\phi}$-0.80 $M_{r\theta}$4.41 $M_{\theta\phi}$-1.06 $M_{\phi r}$2.83 NP1:ϕ_s265.04000°,δ24.28000°,λ109.47000°. NP2:ϕ_s63.84000°,δ67.19000° ,λ81.45000°. Principal axes: T 7.9016,Plg67.0000°,Azm318.0000°; N -0.7817,Plg8.0000° ,Azm67.0000°; P -7.1198,Plg22.0000°,Azm160.0000° $M_0$7.54000×10^{16}
MOS Error ellipse: s-maj=8.9km s-min=4.0km az=94.4.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 1s7 Moment tensor: Scale 10^{16}Nm; M_{rr}4.91 $M_{\theta\theta}$-4.34 $M_{\phi\phi}$-0.57 $M_{r\theta}$1.81 $M_{\theta\phi}$-3.36 $M_{\phi r}$1.24 NP1:ϕ_s57.59000°,δ55.69000° ,λ87.39000°. NP2:ϕ_s242.22000°,δ34.40000°,λ93.82000°. Principal axes: T 5.3241,Plg79.0000°,Azm318.0000°; N 1.3920,Plg2.0000°,Azm59.0000° ; P -6.7161,Plg11.0000°,Azm149.0000° $M_0$6.02000×10^{16}
AEIC Event type se. Error ellipse: s-maj=8.7km s-min=6.4km az=183.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s95,c133; s118,c204;Duration: 1s0
Moment tensor: Scale 10^{16}Nm; M_{rr}5.60±.18 $M_{\theta\theta}$-4.90±.13; $M_{\phi\phi}$-0.69±.11; $M_{r\theta}$4.66±.28; $M_{\theta\phi}$-3.29±.08; $M_{\phi r}$1.72±.23; Best double couple: NP1:ϕ_s67.00000°,δ65.00000°,λ96.00000°. NP2:ϕ_s234.00000°,δ26.00000°,λ78.00000°. Principal axes: T 7.3970,Plg70.0000° ,Azm350.0000°; N 1.0380,Plg5.0000°,Azm245.0000°; P -8.4300,Plg19.0000°,Azm153.0000° $M_0$7.91300×10^{16}
BGR Event type ke.
ISC V 26 06 49 26.6–.99 54.64N–.10 163.57W–.07 100 3.5b 25 0-56
IDC V 26 06 49 28.7–4.5 55.02N 163.67W 103–41 3.6,3.3s **¶610685411**
ISC Event type ke.
IDC Error ellipse: s-maj=52.7km s-min=22.2km az=0.0.
ISC V 28 17 51 21.5–.52 53.52N–.07 163.58W–.05 29 4.1b 129 1-94
IDC V 28 17 51 18.0–.78 53.69N 163.75W 0 3.9,3.9b **¶610655168**
NEIC V 28 17 51 18.3–2.5 53.4N–.10 163.66W–.03 10–1 4.1b,3.8L
AEIC V 28 17 51 20.9–.00 53.44N 163.69W 5 4.1b,3.8L
ISC Event type se.
IDC Error ellipse: s-maj=22.1km s-min=12.2km az=179.0.
NEIC Event type se. Error ellipse: s-maj=20.0km s-min=3.2km az=187.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC V 28 17 58 59.4–1.8 53.37N–.06 163.54W–.04 4–10 4.1b,3.2s 187 1-94
IDC V 28 17 59 00.4–.85 53.67N 163.84W 0 4.0b,3.9 **¶610655169**
NEIC V 28 17 59 00.4–2.4 53.40N–.05 163.59W–.07 10–1 4.2b,3.9L
AEIC V 28 17 59 02.2–3.0 53.41N–.07 163.65W–.08 13–4 4.2b,3.9L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC V 30 05 20 39.2–1.1 53.6N–.10 163.80W–.08 26 3.5b 16 1-65
IDC V 30 05 20 35.2–1.7 53.51N 163.83W 0 3.5b,3.4 **¶610685690**
ISC Event type se.
IDC Error ellipse: s-maj=42.0km s-min=20.9km az=174.0.
ISC V 30 05 21 36.6–.97 53.7N–.10 163.79W–.07 26 3.7b 74 1-65
IDC V 30 05 21 33.5–1.6 53.62N 163.93W 0 3.8,3.8b **¶610685693**
NEIC V 30 05 21 33.9–1.7 53.6N–.10 163.8W–.10 10–2 3.7b,3.5L
AEIC V 30 05 21 36.8–2.1 53.5N–.10 163.7W–.10 19–7 3.7b,3.5L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VI 30 12 08 33.4–.37 54.54N–.04 163.95W–.03 99–2 4.7b 866 0-124
MOS VI 30 12 08 24.5–.88 54.54N 164.20W 35 5.0b **¶610728744**
NEIC VI 30 12 08 33.4–2.4 54.55N–.06 163.97W–.08 98–3 4.8b,4.5L
IDC VI 30 12 08 33.4–.69 54.75N 164.12W 91–5 4.6,4.3b
ANF VI 30 12 08 34.1–.39 54.53N 163.84W 95–3 4.8L,4.3b
AEIC VI 30 12 08 34.6–3.4 54.41N–.06 163.88W–.07 88–3 4.8L,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.

(12) Alaska Peninsula.

AEIC I 01 02 05 19.6–1.5 54.3N–.10 161.40W–.08 26–9
NEIC I 01 02 05 18–1.1 54.1N–.10 161.3W–.10 35–19 3.7L,3.3L **¶610570313**
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 01 14 07 53.2–.70 58.81N–.04 154.70W–.04 140–6 3.9b 207 0-55
IDC I 01 14 07 52.7–1.4 58.93N 154.73W 120–27 4.0,3.7b **¶609947745**
NEIC I 01 14 07 53.0–2.1 58.77N–.06 154.7W–.10 132–11 4.0,3.7b
AEIC I 01 14 07 54.9–1.9 58.80N–.05 154.8W–.10 131–7 3.8b,3.6L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC I 02 16 44 60.0–2.8 54.5N–.10 161.6W–.10 35–2 3.5L,3.0L
AEIC I 02 16 45 02.9–2.0 54.65N–.07 161.7W–.20 61–9 3.5L,3.0L **¶610570362**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC I 10 00 54 54.9–1.9 55.2N–.10 160.50W–.08 77–12 66 0-12
NEIC I 10 00 54 55.9–1.7 55.2N–.10 160.42W–.09 71–7 3.7L,3.1L **¶610570564**

AEIC I 10 00 54 56.4–2.5 55.4N–.10 160.6W–.10 66–5 3.7L,3.1L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC I 25 00 01 50.8–1.0 55.1N–.10 162.59W–.09 100 68 1-36
NEIC I 25 00 01 50.2–2.5 55.1N–.20 162.8W–.10 124–21 **¶610235290**
AEIC I 25 00 01 52.4–2.6 55.2N–.10 162.9W–.10 114–9 3.8b,3.5L
IDC I 25 00 01 57.6–8.3 55.26N 161.86W 123–53 3.3,3.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=26.5km s-min=5.6km az=160.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=21.4km s-min=7.9km az=153.0. hypocenter. manual.
IDC Error ellipse: s-maj=67.7km s-min=59.6km az=29.0.
ISC I 25 09 12 50.3–1.4 57.06N–.04 157.84W–.05 3–10 3.6b 67 1-47
AEIC I 25 09 12 51.0–1.5 57.03N–.04 157.81W–.10 10–6 3.9b,3.9L **¶610116960**
NEIC I 25 09 12 50.6–1.9 57.05N–.04 157.9W–.10 6–9 3.9b,3.9L
IDC I 25 09 12 57.4–3.8 57.36N 157.66W 44–35 3.5,3.3b
ISC Event type se.
AEIC Event type se. Error ellipse: s-maj=7.7km s-min=6.0km az=107.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=3.8km az=112.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=47.4km s-min=17.2km az=15.0.
ISC I 27 13 00 44.7–1.6 57.06N–.03 157.76W–.05 3–15 47 1-8
NEIC I 27 13 00 45.9–1.2 57.04N–.03 157.79W–.08 10–2 **¶610144703**
AEIC I 27 13 00 45.4–1.4 57.04N–.05 157.7W–.10 8–8 3.5L,3.1L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC I 29 15 24 15.2–1.4 54.85N–.09 161.61W–.06 49 74 1-13
NEIC I 29 15 24 15.2–1.7 54.9N–.20 161.6W–.20 68–16 3.6L,3.1L **¶610570831**
AEIC I 29 15 24 16.1–2.3 54.8N–.20 161.6W–.20 59–9 3.6L,3.1L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC II 13 00 20 29.5–.63 55.40N–.09 158.85W–.05 50 3.9b 117 1-153
IDC II 13 00 20 20.1–1.2 54.99N 159.17W 0 3.9L,3.8 **¶610208589**
AEIC II 13 00 20 27.2–1.9 55.32N–.07 158.84W–.09 26–6 3.9L,3.8
NEIC II 13 00 20 29.9–2.2 55.44N–.08 159.0W–.10 46–11 4.4b,3.8L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC II 14 14 53 44.5–1.7 55.11N–.04 160.49W–.08 8–8 3.7L
AEIC II 14 14 53 44.0–1.8 55.20N–.06 160.61W–.09 4–6 3.7L **¶610209177**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC II 14 18 36 46.9–1.9 54.83N–.10 160.42W–.04 24–15 3.7L,3.1L
AEIC II 14 18 36 47.7–3.1 55.2N–.10 160.6W–.10 4–7 3.7L,3.1L **¶611149016**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC II 16 07 30 18.8–.47 57.52N–.05 156.99W–.04 128–4 3.9b 311 0-82
ANF II 16 07 30 18.8–.23 57.49N 156.98W 128–3 4.1L **¶610216972**
NEIC II 16 07 30 18.7–1.9 57.48N–.07 156.99W–.09 117–11 4.1L
IDC II 16 07 30 19.5–.67 57.77N 157.16W 126–4 4.0,3.6s
AEIC II 16 07 30 20.1–1.7 57.43N–.08 157.0W–.10 122–7 4.3b,4.0L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC II 16 11 42 05.6–1.0 55.2N–.10 160.56W–.07 38 3.1b 59 2-64
AEIC II 16 11 42 00.7–2.3 55.2N–.10 160.59W–.07 1–6 4.1L,3.8L **¶610223747**
NEIC II 16 11 42 03.9–2.0 55.0N–.10 160.63W–.07 32–11 4.1L,3.8L
IDC II 16 11 42 07.8–7.0 55.39N 160.44W 43–52 3.5,3.5L
ISC Event type se.
AEIC Event type se. Error ellipse: s-maj=19.1km s-min=3.9km az=165.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=16.4km s-min=5.3km az=169.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=52.0km s-min=35.6km az=38.0.
ISC II 17 02 58 57.8–.92 58.07N–.05 154.71W–.06 100 124 1-65
NEIC II 17 02 58 57.5–1.4 58.01N–.07 154.7W–.20 88–17 **¶610223766**
AEIC II 17 02 58 59.1–1.9 58.01N–.07 154.8W–.10 77–9 3.6L,3.4L
IDC II 17 02 59 00.3–9.3 58.32N 154.47W 104–76 3.4,3.4L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.6km s-min=8.8km az=113.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=11.2km s-min=6.3km az=147.0. hypocenter. manual.
IDC Error ellipse: s-maj=72.6km s-min=38.2km az=13.0.
ISC II 23 03 42 33.2–1.1 58.33N–.05 154.00W–.06 89 38 1-55
NEIC II 23 03 42 33.5–.96 58.30N–.04 154.1W–.10 78–9 **¶610239724**
AEIC II 23 03 42 34.9–1.1 58.32N–.02 154.1W–.10 70–7 3.1L,2.8L
IDC II 23 03 42 35.9–9.5 58.69N 154.05W 86–83 3.2,3.2L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=4.4km az=69.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=10.3km s-min=2.7km az=78.0. hypocenter. manual.
IDC Error ellipse: s-maj=72.3km s-min=43.3km az=9.0.
ISC II 23 14 28 47.5–1.6 55.3N–.10 160.2W–.10 100 31 0-88
NEIC II 23 14 28 46.4–1.8 55.2N–.10 160.5W–.10 97–15 3.7L,2.9L **¶611149081**
AEIC II 23 14 28 52.7–1.6 55.6N–.10 160.1W–.20 75–8 3.7L,2.9L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC II 25 15 14 08.9–1.0 57.69N–.08 155.77W–.07 92 3.7b 83 1-65
IDC II 25 15 14 08.3–2.9 57.85N 155.91W 77–36 3.6,3.3b **¶610241252**
NEIC II 25 15 14 09.1–1.6 57.63N–.07 155.8W–.10 89–30 3.6,3.3b
AEIC II 25 15 14 10.7–1.8 57.63N–.07 155.8W–.10 78–9 3.3L,2.9L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC II 27 16 07 27.4–.42 55.34N–.05 157.86W–.03 34–1 4.7b,3.9s 647 1-153
IDC II 27 16 07 22.4–.58 55.28N 157.98W 0 4.4,4.4b **¶610241638**
MOS II 27 16 07 23.6–.96 55.42N 157.94W 17 4.9b,4.4b
BJI II 27 16 07 25.0–.00 55.30N 157.80W 40 4.9b,4.9s
NEIC II 27 16 07 26.2–1.6 55.32N–.07 157.79W–.09 25–5 4.9b,4.9s
NEIC II 27 16 07 26.3 55.33N 157.79W 25 4.9b,4.9s
AEIC II 27 16 07 27.8–1.9 55.21N–.07 157.69W–.10 37–5 4.8b,4.5L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-2.87 $M_{\theta\theta}$3.97 $M_{\phi\phi}$-1.10 $M_{r\theta}$1.04 $M_{\theta\phi}$0.72 $M_{\phi r}$2.54 NP1:ϕ_s231.65000°,δ64.66000°,λ-125.82000°. NP2:ϕ_s110.98000°,δ42.87000° ,λ-38.98000°. Principal axes: T 4.3727,Plg12.0000°,Azm347.0000°; N 0.3188,Plg32.0000° ,Azm249.0000°; P -4.6915,Plg55.0000°,Azm95.0000° $M_0$4.54000$\times10^{15}$
NEIC Event type se.
AEIC Event type se. hypocenter. manual.
ISC III 02 21 17 47.7–.94 57.57N–.05 155.59W–.05 97–13 85 1-61
NEIC III 02 21 17 48.1–1.7 57.55N–.05 155.6W–.10 96–16 **¶610244534**
AEIC III 02 21 17 48.2–1.5 57.57N–.04 155.65W–.08 100–9 3.3L,2.9L
IDC III 02 21 17 50.7–4.3 58.05N 155.38W 86–35 3.6,3.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=6.7km az=125.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=7.1km s-min=4.4km az=52.0. hypocenter. manual.
IDC Error ellipse: s-maj=47.4km s-min=28.1km az=72.0.
ISC III 17 04 11 44.2–1.8 54.75N–.09 160.19W–.05 31–10 3.9b 115 1-84
IDC III 17 04 11 39.4–2.6 54.81N 160.55W 0 3.9b,3.8 **¶610331502**
NEIC III 17 04 11 45.7–2.4 54.82N–.07 160.22W–.10 29–7 3.9L,3.8b
AEIC III 17 04 11 46.3–2.7 54.87N–.04 160.31W–.08 6–5 3.9L,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC III 18 09 01 25.1–.46 56.78N–.05 158.08W–.04 100–3 4.2b 408 1-152
MOS III 18 09 01 23.5–1.0 56.80N 157.98W 98 4.3b **¶610344775**
NEIC III 18 09 01 24.7–2.5 56.68N–.09 157.9W–.10 97–8 4.3b
IDC III 18 09 01 25.2–.65 56.95N 158.20W 96–5 4.2,3.9b
ANF III 18 09 01 25.0–.30 56.73N 158.05W 100–4 4.4L,3.9b
AEIC III 18 09 01 26.7–2.0 56.69N–.05 158.0W–.10 87–7 4.3b,4.2L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC III 22 18 20 29.9–.62 57.93N–.04 156.19W–.03 124–6 4.0b 336 0-151
IDC III 22 18 20 27.8–2.0 58.09N 156.41W 100–15 3.9,3.5b **¶610423729**
NEIC III 22 18 20 29.4–2.6 57.88N–.06 156.3W–.10 117–10 3.9,3.5b
ANF III 22 18 20 29.7–.19 57.87N 156.19W 127–2 3.8L,3.5b
AEIC III 22 18 20 31.2–2.9 57.86N–.07 156.2W–.10 122–6 4.4b,3.8L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC III 24 23 49 49.5–.94 57.21N–.03 157.57W–.03 16–5 4.8b,4.1s 917 0-151
BJI III 24 23 49 44.1–.00 57.09N 157.45W 5 5.0b,4.9s **¶610434842**
NEIC III 24 23 49 48.7–1.6 57.23N–.04 157.58W–.08 7–3 5.0b,4.9s
NEIC III 24 23 49 48.1 57.19N 157.48W 12 5.0b,4.9s
NEIC III 24 23 49 48.2 57.20N 157.48W 7 5.0b,4.9s
ANF III 24 23 49 48.1–.49 57.24N 157.64W 0–3 4.9L,4.9s
AEIC III 24 23 49 48.2–1.8 57.20N–.04 157.48W–.08 7–3 4.9b,4.8
NEIC III 24 23 49 48.1 56.89N 157.11W 12 4.9b,4.8
GCMT III 24 23 49 51.2–.30 57.31N–.02 157.37W–.05 12 4.8W,4.8
MOS III 24 23 49 51.6–.79 57.34N 157.45W 41 5.0b,4.4s
IDC III 24 23 49 54.2–1.6 57.38N 157.53W 46–15 4.3,4.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=7.2km s-min=4.9km az=124.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.57 $M_{\theta\theta}$-0.85 $M_{\phi\phi}$0.28 $M_{r\theta}$0.33 $M_{\theta\phi}$0.02 $M_{\phi r}$0.86 NP1:ϕ_s51.33000°,δ71.48000°,λ53.85000°. NP2:ϕ_s297.84000°,δ40.03000° ,λ150.41000°. Principal axes: T 1.3340,Plg50.0000°,Azm281.0000°; N -0.3730,Plg34.0000° ,Azm64.0000°; P -0.9610,Plg18.0000°,Azm167.0000° $M_0$1.19000$\times10^{16}$
NEIC Event type se.
NEIC Event type se.
ANF Error ellipse: s-maj=3.1km s-min=1.9km az=113.0.
AEIC Event type se. Error ellipse: s-maj=7.2km s-min=4.9km az=127.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution.Duration: 1s3 Moment tensor: Scale 10^{16}Nm; M_{rr}1.60 $M_{\theta\theta}$-1.58 $M_{\phi\phi}$-0.02 $M_{r\theta}$1.18 $M_{\theta\phi}$-0.61 $M_{\phi r}$0.90 NP1:ϕ_s58.67000°,δ65.89000° ,λ78.77000°. NP2:ϕ_s264.60000°,δ26.46000°,λ113.53000°. Principal axes: T 2.2051,Plg67.0000°,Azm308.0000°; N 0.0987,Plg10.0000°,Azm63.0000° ; P -2.3038,Plg20.0000°,Azm157.0000° $M_0$2.25000$\times10^{16}$
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s29,c32; s93,c138;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.98±.06 $M_{\theta\theta}$-1.90±.05; $M_{\phi\phi}$-0.07±.06; $M_{r\theta}$0.04±.23; $M_{\theta\phi}$-0.90±.06; $M_{\phi r}$-0.91±.28; Best double couple: NP1:ϕ_s227.00000°,δ53.00000°,λ62.00000°. NP2:ϕ_s89.00000°,δ45.00000°,λ122.00000°. Principal axes: T 2.3540,Plg67.0000° ,Azm77.0000°; N -0.0610,Plg22.0000°,Azm244.0000°; P -2.2910,Plg4.0000°,Azm336.0000° $M_0$2.32300$\times10^{16}$
MOS Error ellipse: s-maj=8.4km s-min=5.4km az=94.3.
IDC Error ellipse: s-maj=16.0km s-min=9.7km az=7.0.
ISC III 25 01 00 38.1–1.2 57.17N–.03 157.52W–.03 5–7 4.3b,3.6s 300 0-151
AEIC III 25 01 00 38.4–1.7 57.17N–.04 157.43W–.07 6–4 4.4b,4.2L **¶610434925**
ANF III 25 01 00 38.1–.19 57.19N 157.47W 0 4.4L,4.2L
NEIC III 25 01 00 39.0–1.5 57.17N–.05 157.56W–.05 8–4 4.4L,4.2L
IDC III 25 01 00 44.0–2.6 57.32N 157.51W 43–23 3.9,3.7b
ISC Event type se.
AEIC Event type se. Error ellipse: s-maj=6.6km s-min=5.3km az=149.0. hypocenter. manual.
ANF Error ellipse: s-maj=2.6km s-min=1.7km az=127.0.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=3.0km az=157.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=25.1km s-min=12.0km az=19.0.
ISC III 26 15 59 58.7–1.4 57.16N–.04 157.51W–.05 5–10 79 0-55
IDC III 26 15 59 53.5–3.4 56.25N 157.72W 0 3.3,3.2b **¶610435170**
AEIC III 26 15 59 58.9–1.1 57.16N–.05 157.39W–.09 3–7 3.4L,3.3L
NEIC III 26 16 00 00.6–1.1 57.14N–.06 157.5W–.10 24–6 3.4L,3.3L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 27 23 38 59.9–.77 58.30N–.05 156.01W–.04 150–6 3.6b 186 0-65
IDC III 27 23 38 58.6–2.0 58.46N 156.15W 124–22 3.7,3.2b **¶610437098**
NEIC III 27 23 38 58.3–3.0 58.15N–.05 156.2W–.10 142–12 3.7,3.2b
AEIC III 27 23 39 01.2–2.4 58.24N–.06 156.1W–.10 140–8 3.4L,3.3L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC III 28 20 59 56.2–.47 56.38N–.04 156.28W–.03 42–3 4.9b,3.5s 846 1-152
MOS III 28 20 59 54.1–1.1 56.46N 156.48W 34 5.1b,3.5s **¶610441391**
NEIC III 28 20 59 57.4–1.8 56.38N–.08 156.24W–.04 55–5 5.1b,3.5s
NEIC III 28 20 59 57.4 56.36N 156.22W 54 5.1b,3.5s
IDC III 28 20 59 57.2–1.6 56.51N 156.50W 42–14 4.7,4.7L
AEIC III 28 20 59 58.3–2.0 56.31N–.08 156.24W–.08 46–5 5.0b,4.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}1.09 $M_{\theta\theta}$1.05 $M_{\phi\phi}$-2.14 $M_{r\theta}$-1.52 $M_{\theta\phi}$4.60 $M_{\phi r}$-3.37 NP1:ϕ_s283.75000°,δ54.09000°,λ12.39000°. NP2:ϕ_s186.41000°,δ79.99000° ,λ143.45000°. Principal axes: T 6.3611,Plg33.0000°,Azm139.0000°; N -0.3811,Plg52.0000° ,Azm353.0000°; P -5.9800,Plg17.0000°,Azm240.0000° $M_0$6.18000$\times10^{15}$
NEIC Event type se.
AEIC Event type se. hypocenter. manual.
ISC III 30 14 44 58.8–1.2 55.27N–.10 159.39W–.06 43–13 3.4b 151 1-112
IDC III 30 14 44 51.1–1.7 54.70N 159.57W 0 3.6L,3.5 **¶610458958**
AEIC III 30 14 44 57.8–2.5 55.19N–.07 159.45W–.07 5–6 3.6L,3.5
NEIC III 30 14 44 58.7–2.8 55.23N–.09 159.6W–.10 39–20 3.8L,3.7b
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 30 19 30 16.1–1.8 54.7N–.10 160.80W–.06 80–16 41 1-14
NEIC III 30 19 30 14.1–2.6 54.5N–.10 160.6W–.10 31–16 3.6L,3.3L **¶611149383**
AEIC III 30 19 30 19.0–2.4 54.9N–.20 160.9W–.20 71–8 3.6L,3.3L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC IV 02 13 32 32.9–.77 57.26N–.06 155.59W–.04 81–8 3.3b 204 1-83
NEIC IV 02 13 32 33.2–1.7 57.25N–.09 155.6W–.10 73–24 3.3b **¶610470188**
IDC IV 02 13 32 33.2–2.7 57.55N 155.77W 66–28 3.6,3.6L

AEIC IV 02 13 32 34.6–2.0 57.20N–.08 155.6W–.10 62–9 3.6b,3.4L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC IV 10 05 55 50.5–.64 58.93N–.04 154.48W–.04 128–6 3.6b 232 0-69
IDC IV 10 05 55 50.2–1.5 58.94N 154.59W 116–30 4.0,3.6b ¶610524820
NEIC IV 10 05 55 50.5–2.0 58.89N–.04 154.55W–.09 122–6 4.0,3.6b
AEIC IV 10 05 55 52.2–1.9 58.89N–.05 154.5W–.10 122–6 4.0b,3.8L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC IV 18 18 33 30.8–1.2 56.97N–.07 156.00W–.09 52–50
AEIC IV 18 18 33 31.5–1.2 56.98N–.07 156.01W–.09 58–10 2.6L,2.3L ¶611149551
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC IV 25 17 23 46.6–.49 55.14N–.07 161.77W–.04 100–3 4.2b 389 1-153
NEIC IV 25 17 23 46.5–1.9 55.0N–.10 161.61W–.08 105–7 4.5b,4.3L ¶610554309
ANF IV 25 17 23 46.7–.46 55.00N 161.71W 105–4 4.3L,4.3L
IDC IV 25 17 23 47.3–.68 55.20N 161.94W 96–5 4.2,3.9b
AEIC IV 25 17 23 48.6–3.0 55.0N–.10 161.7W–.10 90–5 4.2,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC IV 26 10 31 45.6–1.4 54.1N–.10 162.51W–.07 13 23 1-43
IDC IV 26 10 31 45.0–3.7 53.98N 162.76W 0 3.2b,3.1 ¶610650052
NEIC IV 26 10 31 47.7–1.2 54.18N–.09 162.57W–.04 27–16 3.2b,3.1
AEIC IV 26 10 31 48.4–.80 54.19N–.05 162.55W–.08 40–10 3.3L,3.1L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
NEIC IV 28 19 26 47.2–2.8 54.10N–.09 162.51W–.10 39–30 3.8L,3.1L
AEIC IV 28 19 26 46.9–2.8 54.19N–.06 162.56W–.07 13–7 3.8L,3.1L ¶611149728
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC IV 30 11 03 55.4–1.3 57.4N–.10 155.04W–.08 10 81 1-32
NEIC IV 30 11 03 57.0–1.7 57.46N–.06 154.89W–.08 5–11 ¶610589484
AEIC IV 30 11 03 56.9–1.6 57.52N–.06 154.94W–.08 10–7 4.2L,3.9L
IDC IV 30 11 03 57.9–2.8 56.89N 153.89W 0 3.3,3.2L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.0km s-min=4.7km az=208.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=9.6km s-min=5.2km az=201.0. hypocenter. manual.
IDC Error ellipse: s-maj=45.1km s-min=21.9km az=111.0.
ISC V 03 14 35 08.4–1.4 54.09N–.10 162.89W–.07 50 48 1-59
IDC V 03 14 35 00.2–7.4 54.13N 163.93W 0 3.5,3.5L ¶610689485
NEIC V 03 14 35 10.3–2.0 54.3N–.20 163.3W–.20 69–22 3.5L,3.5L
AEIC V 03 14 35 13.0–2.7 54.32N–.09 163.3W–.10 58–9 3.5L,3.5L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC V 15 02 28 07.7–1.6 54.14N–.10 162.78W–.04 24–16 86 1-43
IDC V 15 02 28 04.8–3.6 54.23N 162.99W 0 3.3,3.3b ¶610690312
NEIC V 15 02 28 09.3–1.4 54.20N–.07 162.78W–.07 27–5 3.6b,3.6L
AEIC V 15 02 28 10.8–1.6 54.3N–.10 162.8W–.10 42–9 3.6b,3.6L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC V 19 00 33 00.6–.63 56.26N–.06 161.74W–.05 206–6 4.1b 319 1-72
IDC V 19 00 32 58.1–5.3 56.37N 162.15W 195–29 3.9,3.2b ¶610643015
NEIC V 19 00 33 00.5–2.0 56.28N–.09 161.80W–.09 201–9 4.3b,3.5L
ANF V 19 00 33 00.3–.22 56.21N 161.78W 207–2 3.6L,3.5L
AEIC V 19 00 33 00.8–2.0 56.17N–.08 161.8W–.10 217–6 3.6L,3.5L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC V 26 07 09 35.0–.75 56.14N–.04 157.82W–.04 65–7 4.1b 341 0-84
IDC V 26 07 09 33.4–3.4 56.28N 158.10W 44–30 4.3L,4.0 ¶610654536
NEIC V 26 07 09 35.0–2.7 56.11N–.05 157.9W–.10 63–7 4.3L,4.0
AEIC V 26 07 09 34.9–2.1 56.09N–.05 157.74W–.08 50–7 4.3b,4.1L
ANF V 26 07 09 35.5–.32 56.11N 157.74W 55–6 4.2L,4.1L
ISC Event type se.
IDC Error ellipse: s-maj=27.5km s-min=14.5km az=35.0.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=5.8km az=128.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=7.8km s-min=5.5km az=135.0. hypocenter. manual.
ANF Error ellipse: s-maj=4.7km s-min=2.9km az=145.0.
ISC V 27 10 48 29.3–1.1 56.43N–.05 155.82W–.05 42–18 73 1-45
NEIC V 27 10 48 27.2–1.3 56.3N–.10 155.8W–.30 80–14 ¶610655128
AEIC V 27 10 48 29.0–1.4 56.37N–.05 155.9W–.10 34–8 3.4L,3.2L
IDC V 27 10 48 32.2–5.9 56.97N 155.85W 66–44 3.0,2.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=24.5km s-min=16.4km az=93.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=11.4km s-min=5.8km az=121.0. hypocenter. manual.
IDC Error ellipse: s-maj=45.0km s-min=35.0km az=40.0.
ISC V 29 02 49 24.2–1.2 56.09N–.04 157.75W–.04 34–3 3.4b 138 1-46
NEIC V 29 02 49 25.1–1.9 56.1N–.10 157.70W–.10 63–32 3.4b ¶610655454
AEIC V 29 02 49 27–2.0 56.11N–.08 157.71W–.09 56–10 3.4L,3.3L
IDC V 29 02 49 29.7–6.4 56.50N 157.54W 76–47 3.4,3.4L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.5km s-min=6.7km az=163.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=12.5km s-min=6.5km az=166.0. hypocenter. manual.
IDC Error ellipse: s-maj=49.3km s-min=39.1km az=58.0.
NEIC VI 30 15 30 32.3–1.3 54.83N–.06 160.05W–.07 26–12 3.5L,3.0L
AEIC VI 30 15 30 33.7–1.1 54.93N–.07 160.13W–.07 28–8 3.5L,3.0L ¶611189242
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.

(13) Kodiak Island region.

ISC I 19 09 37 21.2–1.0 56.76N–.06 152.28W–.05 22 125 1-57
IDC I 19 09 37 19.4–1.9 56.81N 152.38W 0 3.7,3.7b ¶610101725
NEIC I 19 09 37 22.5–1.8 56.78N–.08 152.3W–.20 42–47 3.7,3.7b
AEIC I 19 09 37 23.8–1.9 56.80N–.10 152.4W–.10 29–8 3.6L,3.3L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC II 02 13 21 42.8–1.7 56.21N–.07 154.32W–.06 20–8 4.2b,3.6s 150 0-84
IDC II 02 13 21 40.8–1.4 56.30N 154.59W 0 4.1b,4.0 ¶610180939
NEIC II 02 13 21 42.3–1.1 56.09N–.08 154.3W–.10 27–5 4.1b,4.0
AEIC II 02 13 21 44.1–1.2 56.15N–.07 154.29W–.10 28–5 4.4b,3.9L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC II 02 22 54 23.0–.84 58.21N–.04 151.84W–.05 54–10 3.8b 165 1-66
NEIC II 02 22 54 22.8–1.2 58.19N–.04 151.84W–.10 61–15 3.8b ¶610184286
AEIC II 02 22 54 23.3–1.6 58.17N–.04 151.76W–.10 46–9 3.8b,3.7L
IDC II 02 22 54 27.2–7.4 58.64N 151.92W 74–61 3.9s,3.6
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=8.1km s-min=5.3km az=123.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=8.5km s-min=4.8km az=122.0. hypocenter. manual.
IDC Error ellipse: s-maj=52.5km s-min=24.3km az=33.0.
AEIC II 11 18 52 38.2–1.5 58.37N–.03 152.21W–.09 37–9 2.5L,2.4L
NEIC II 11 18 52 36.1–.96 58.33N–.04 152.31W–.10 69–13 2.5L,2.4L ¶611148992
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 05 21 53 11.9–1.1 57.23N–.05 152.29W–.04 29–8 4.3b,3.4s 355 1-78
IDC III 05 21 53 07.4–.96 57.07N 152.50W 0 4.5L,3.9 ¶610245494
NEIC III 05 21 53 12.4–1.5 57.23N–.07 152.4W–.10 46–6 4.5L,3.9
ANF III 05 21 53 12.1–.47 57.27N 152.36W 26–4 4.5L,3.9
NEIC III 05 21 53 12.3 57.18N 152.28W 26 4.5L,3.9
AEIC III 05 21 53 13.4–1.5 57.24N–.06 152.36W–.09 38–6 4.7b,4.3L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-0.31 $M_{\theta\theta}$1.18 $M_{\phi\phi}$-0.86 $M_{r\theta}$-0.22 $M_{\theta\phi}$1.11 $M_{\phi r}$-0.49 NP1:ϕ_s290.87000°,δ69.27000°,λ-4.94000°. NP2:ϕ_s22.62000°,δ85.38000° ,λ-159.20000°. Principal axes: T 1.7431,Plg11.0000°,Azm155.0000°; N -0.2782,Plg69.0000° ,Azm35.0000°; P -1.4649,Plg18.0000°,Azm249.0000° $M_0$1.62000×10^{15}
NEIC Event type se.
AEIC Event type se. hypocenter. manual.
ISC III 16 07 55 44.3–.43 57.17N–.05 154.20W–.03 38–3 4.7b,3.7s 658 1-151
MOS III 16 07 55 41.7–.79 57.16N 154.42W 29 4.9b,3.7s ¶610329839
IDC III 16 07 55 44.4–.52 57.20N 154.45W 35–3 4.5,4.4b
AEIC III 16 07 55 45.2–2.9 57.02N–.07 154.17W–.10 43–6 4.7b,4.6L
NEIC III 16 07 55 46–3.0 57.12N–.07 154.2W–.10 54–7 4.7b,4.6L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 27 04 16 21.9–.92 57.42N–.06 154.01W–.04 52–9 3.6b 122 0-80
NEIC III 27 04 16 20.7–1.6 57.33N–.08 154.0W–.10 57–11 3.6b ¶610435263
IDC III 27 04 16 20.9–4.0 57.49N 154.33W 39–33 3.6s,3.6
AEIC III 27 04 16 22.1–1.6 57.39N–.08 154.1W–.10 42–9 3.5L,3.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC IV 27 14 44 31.0–1.2 57.54N–.03 154.97W–.03 18–6 4.5b 386 1-151
AEIC IV 27 14 44 30.5–2.2 57.53N–.06 154.9W–.10 11–4 4.7L,4.6b ¶610585842
NEIC IV 27 14 44 32.5–2.2 57.51N–.07 154.97W–.07 27–5 4.7L,4.6b
NEIC IV 27 14 44 33.6 57.55N 154.96W 36 4.7L,4.6b
IDC IV 27 14 44 34.6–2.3 57.69N 155.12W 40–18 4.3,4.2L
ISC Event type se.
AEIC Event type se. Error ellipse: s-maj=9.7km s-min=7.0km az=139.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=5.5km az=170.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-0.22 $M_{\theta\theta}$-0.51 $M_{\phi\phi}$0.73 $M_{r\theta}$-0.81 $M_{\theta\phi}$-3.92 $M_{\phi r}$-0.19 NP1:ϕ_s4.09000°,δ78.51000°,λ-4.30000°. NP2:ϕ_s94.95000°,δ85.79000° ,λ-168.48000°. Principal axes: T 4.1101,Plg5.0000°,Azm229.0000°; N -0.1092,Plg78.0000° ,Azm115.0000°; P -4.0009,Plg11.0000°,Azm320.0000° $M_0$4.06000×10^{15}
NEIC Event type se.
IDC Error ellipse: s-maj=19.5km s-min=11.4km az=24.0.
ISC IV 27 17 10 32.2–1.2 57.51N–.04 154.98W–.03 12–8 4.2b,3.8s 342 1-151
IDC IV 27 17 10 31.9–.80 57.97N 154.98W 0 4.0,4.0b ¶610570303
ANF IV 27 17 10 31.8–.29 57.51N 154.99W 0 4.6L,4.0b
AEIC IV 27 17 10 32.4–2.1 57.53N–.04 154.96W–.10 11–4 4.4b,4.3L
NEIC IV 27 17 10 32.5–1.8 57.54N–.03 155.03W–.06 10–1 4.4b,4.3L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 30 11 04 42.5–.53 57.60N–.08 154.97W–.05 10 4.1b,3.4s 58 1-151
IDC IV 30 11 04 42.5–.72 57.99N 155.40W 0 4.0,4.0b ¶610650407
NEIC IV 30 11 04 43.4–2.0 57.51N–.04 154.81W–.05 10–2 4.0,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 11 03 06 24.6–.82 56.94N–.08 152.57W–.05 21–6 4.0b 114 0-80
IDC V 11 03 06 21.7–1.2 56.93N 152.84W 0 3.9b,3.8 ¶610623484
NEIC V 11 03 06 25.0–1.3 56.89N–.07 152.6W–.10 29–8 3.9b,3.8
AEIC V 11 03 06 24.2–1.1 56.85N–.05 152.6W–.10 21–6 4.2b,3.7L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC V 11 14 36 32.0–.29 56.81N–.04 152.71W–.03 21–2 5.4b,5.0s 1264 1-165
IDC V 11 14 36 29.5–.37 56.90N 152.90W 0 5.0,5.0b ¶610630596
BJI V 11 14 36 30.7–.00 56.84N 153.27W 22 5.5,5.5s
AEIC V 11 14 36 31.7–2.6 56.79N–.06 152.6W–.10 30–4 5.5,5.5s
NEIC V 11 14 36 31.2 56.87N 152.62W 19 5.5,5.5s
MOS V 11 14 36 31.8–1.0 57.00N 152.84W 25 5.6b,4.9s
NEIC V 11 14 36 31.3–2.0 56.88N–.06 152.6W–.10 19–1 5.4b,5.4L
NEIC V 11 14 36 31.2 56.97N 152.62W 20 5.4b,5.4L
NEIC V 11 14 36 31.7 56.79N 152.60W 30 5.4b,5.4L
NEIC V 11 14 36 31.7 56.79N 152.60W 30 5.4b,5.4L
GCMT V 11 14 36 34.2–.20 56.71N–.02 152.51W–.02 24 5.4W,5.4L
BGR V 11 14 36 40.3 57.67N 153.55W 33 5.5b,4.8s
ISC Event type ke.
IDC Error ellipse: s-maj=8.8km s-min=7.8km az=10.0.
AEIC Event type se. Error ellipse: s-maj=9.4km s-min=7.9km az=167.0. hypocenter. manual.
NEIC Event type se.
MOS Error ellipse: s-maj=9.6km s-min=4.0km az=94.9.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=9.0km az=143.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.66 $M_{\theta\theta}$-0.54 $M_{\phi\phi}$-0.12 $M_{r\theta}$0.95 $M_{\theta\phi}$-0.45 $M_{\phi r}$0.31 NP1:ϕ_s220.84000°,δ20.19000°,λ62.26000°. NP2:ϕ_s70.10000°,δ72.22000° ,λ99.71000°. Principal axes: T 1.1890,Plg62.0000°,Azm355.0000°; N 0.1205,Plg9.0000° ,Azm247.0000°; P -1.3096,Plg27.0000°,Azm152.0000° $M_0$1.25000×10^{17} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.25 $M_{\theta\theta}$0.23 $M_{\phi\phi}$-0.48 $M_{r\theta}$8.24 $M_{\theta\phi}$-2.48 $M_{\phi r}$5.00 NP1:ϕ_s60.87000°,δ86.70000°,λ99.26000°. NP2:ϕ_s170.30000°,δ9.83000°,λ19.70000°. Principal axes: T 8.8950,Plg48.0000°,Azm341.0000°; N 1.8637,Plg9.0000°,Azm240.0000° ; P -10.7587,Plg41.0000°,Azm142.0000° $M_0$9.96000×10^{16}
NEIC Event type se. Moment Tensor Solution.Duration: 2s4 Moment tensor: Scale 10^{17}Nm; M_{rr}0.38 $M_{\theta\theta}$-0.23 $M_{\phi\phi}$-0.15 $M_{r\theta}$0.88 $M_{\theta\phi}$-0.25 $M_{\phi r}$0.60 NP1:ϕ_s55.70000°,δ79.53000° ,λ92.70000°. NP2:ϕ_s221.17000°,δ10.81000°,λ75.72000°. Principal axes: T 1.1087,Plg55.0000°,Azm329.0000°; N 0.0651,Plg3.0000°,Azm235.0000° ; P -1.1737,Plg34.0000°,Azm143.0000° $M_0$1.14000×10^{17}
NEIC Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s90,c138; s95,c123;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}0.69±.03 $M_{\theta\theta}$-0.52±.02; $M_{\phi\phi}$-0.16±.02; $M_{r\theta}$1.37±.04; $M_{\theta\phi}$-0.41±.02; $M_{\phi r}$0.47±.04; Best double couple: NP1:ϕ_s70.00000°,δ77.00000°,λ97.00000°. NP2:ϕ_s221.00000°,δ15.00000°,λ62.00000°. Principal axes: T 1.6000,Plg58.0000° ,Azm349.0000°; N 0.0590,Plg7.0000°,Azm248.0000°; P -1.6580,Plg31.0000°,Azm154.0000° $M_0$1.62900×10^{17}
BGR Event type ke.
ISC V 11 14 41 08.6–1.1 57.1N–.10 152.42W–.06 22 4.2b 85 0-67
IDC V 11 14 41 03.4–1.2 56.80N 152.55W 0 4.1,4.1b ¶610690052
AEIC V 11 14 41 09.5–.00 57.06N 152.56W 5 4.1L,3.6L

NEIC V 11 14 41 09.4–1.5 57.07N–.09 152.4W–.10 19–2 4.1L,3.6L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 12 00 54 55.9–2.0 56.97N–.05 152.54W–.04 1–12 4.8b,4.0s 390 0-152
IDC V 12 00 54 54.9–.64 56.85N 152.57W 0 4.5b,4.4 **¶610630784**
NEIC V 12 00 54 56.7–3.1 56.81N–.04 152.7W–.10 10–1 4.5b,4.4
AEIC V 12 00 54 57.4–2.9 56.84N–.04 152.62W–.09 4–4 4.8b,4.6L
NEIC V 12 00 54 57.4 56.84N 152.62W 4 4.8b,4.6L
ISC Event type se.
IDC Error ellipse: s-maj=15.1km s-min=11.4km az=72.0.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=6.4km az=257.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}0.43 $M_{\theta\theta}$0.25 $M_{\phi\phi}$-0.68 $M_{r\theta}$6.15 $M_{\theta\phi}$-1.67 $M_{\phi r}$1.66 NP1:ϕ_s75.05000°,δ87.64000°,λ104.71000°. NP2:ϕ_s173.95000°,δ14.89000° ,λ9.21000°. Principal axes: T 6.4957,Plg45.0000°,Azm360.0000°; N 0.2337,Plg15.0000° ,Azm254.0000°; P -6.7294,Plg41.0000°,Azm151.0000° $M_0$6.62000×10^{15}
AEIC Event type se. Error ellipse: s-maj=7.6km s-min=5.5km az=69.0. hypocenter. manual.
NEIC Event type se.
ISC V 18 23 56 54.2–1.3 58.30N–.04 151.33W–.04 28–14 159 1-10
AEIC V 18 23 56 54.9–1.1 58.40N–.03 151.37W–.05 17–6 3.7L,3.4L **¶610643009**
NEIC V 18 23 56 54.5–1.4 58.30N–.02 151.29W–.07 27–11 3.7L,3.4L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC VI 13 08 21 33.5–1.3 56.09N–.07 153.9W–.10 24–8 3.1L,2.9L
NEIC VI 13 08 21 38.7–1.6 56.60N–.08 153.84W–.09 12–8 3.1L,2.9L **¶610671757**
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC VI 16 04 15 03.4–1.3 58.043N–.01 153.0W–.10 58–7 2.8L,2.6L
NEIC VI 16 04 15 03.2–1.5 58.06N–.05 153.0W–.10 53–9 2.8L,2.6L **¶610675496**
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 16 04 15 26.7–1.2 57.03N–.05 154.06W–.06 33–5 50 0-7
NEIC VI 16 04 15 26.4–1.9 57.05N–.04 154.04W–.07 22–8 **¶617196364**
AEIC VI 16 04 15 27.3–1.5 57.05N–.05 154.10W–.09 18–7 3.1L,3.0L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VI 21 17 44 30.3–.55 57.83N–.03 154.29W–.03 61–5 4.8b 929 0-163
IDC VI 21 17 44 28.8–1.4 57.92N 154.52W 44–13 4.4,4.4L **¶611834159**
NEIC VI 21 17 44 30.9–1.9 57.80N–.03 154.30W–.05 62–4 4.4,4.4L
AEIC VI 21 17 44 31.9–2.2 57.79N–.03 154.34W–.05 57–3 4.8b,4.4
NEIC VI 21 17 44 32.2 57.80N 154.32W 49 4.8b,4.4
ISC Event type se.
IDC Error ellipse: s-maj=16.9km s-min=10.2km az=20.0.
NEIC Event type se. Error ellipse: s-maj=4.4km s-min=3.8km az=211.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-2.21 $M_{\theta\theta}$0.56 $M_{\phi\phi}$1.64 $M_{r\theta}$3.53 $M_{\theta\phi}$1.64 $M_{\phi r}$2.66 NP1:ϕ_s15.46000°,δ17.32000°,λ-124.70000°. NP2:ϕ_s231.41000°,δ75.83000° ,λ-79.93000°. Principal axes: T 5.3042,Plg30.0000°,Azm313.0000°; N -0.3943,Plg10.0000° ,Azm49.0000°; P -4.9099,Plg58.0000°,Azm155.0000° $M_0$5.12000×10^{15}
AEIC Event type se. Error ellipse: s-maj=4.2km s-min=3.5km az=194.0. hypocenter. manual.
NEIC Event type se.
AEIC VI 24 10 41 24.4–1.3 57.64N–.05 153.0W–.10 22–8 2.6L,2.6L
NEIC VI 24 10 41 24.6–.56 57.57N–.04 152.89W–.02 38–8 2.6L,2.6L **¶610694586**
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(14) Kenai Peninsula.

ISC III 10 02 22 10.7–.97 60.22N–.03 151.86W–.03 77–7 136 0-55
IDC III 10 02 22 09.2–1.6 60.18N 151.66W 57–33 3.3,3.1b **¶610316837**
NEIC III 10 02 22 10.6–1.2 60.21N–.03 151.88W–.05 73–10 3.3,3.1b
AEIC III 10 02 22 11.6–1.3 60.21N–.04 151.85W–.06 67–7 3.2L,3.0L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC IV 30 21 32 16.2–.79 60.82N–.02 150.70W–.02 10 97 0-58
AEIC IV 30 21 32 17.9–2.1 60.84N–.02 150.70W–.05 26–7 3.4L,3.3L **¶610589563**
NEIC IV 30 21 32 17.9–2.2 60.82N–.02 150.65W–.06 29–10 3.4L,3.3L
IDC IV 30 21 32 18.5–1.1 60.57N 150.14W 0 3.6b,3.4
ISC Event type se.
AEIC Event type se. Error ellipse: s-maj=3.8km s-min=3.2km az=91.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=4.1km s-min=3.3km az=82.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=38.6km s-min=11.0km az=113.0.
NEIC V 02 00 23 19.2–1.2 60.21N–.03 149.86W–.09 51–9
AEIC V 02 00 23 19.5–1.8 60.20N–.03 149.89W–.07 36–9 2.9L,2.7L **¶610590170**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC V 05 17 37 50.0–.66 60.57N–.03 151.77W–.03 85–5 3.6b 327 0-83
IDC V 05 17 37 48.5–1.9 60.53N 152.00W 68–21 3.7,3.5b **¶610609349**
NEIC V 05 17 37 49.2–1.4 60.56N–.03 151.84W–.06 85–5 3.7,3.5b
AEIC V 05 17 37 50.6–1.2 60.58N–.03 151.78W–.06 76–4 3.6L,3.4L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC V 07 04 25 18.2–.23 60.19N–.02 151.82W–.02 79–1 5.2b 1703 0-168
BJI V 07 04 25 13.2–.00 60.17N 152.00W 58 5.6b,5.3b **¶611833837**
MOS V 07 04 25 14.1–.92 60.25N 152.01W 53 5.5b,5.3b
NEIC V 07 04 25 18.2–2.0 60.18N–.04 151.70W–.06 69–3 5.5b,5.3b
IDC V 07 04 25 18.2–.39 60.19N 152.00W 78–3 5.2,4.8b
NEIC V 07 04 25 18.3 60.17N 151.77W 72 5.2,4.8b
AEIC V 07 04 25 19.1–2.0 60.18N–.04 151.68W–.06 67–3 5.3L,5.3
NEIC V 07 04 25 19.1 60.09N 151.67W 60 5.3L,5.3
NEIC V 07 04 25 19.1 60.20N 151.67W 60 5.3L,5.3
GCMT V 07 04 25 20.2–.20 60.25N–.01 151.74W–.02 78–1 5.3W,5.3
BGR V 07 04 25 22.1 61.34N 151.17W 33 5.3b,4.0s
ISC Event type ke.
MOS Error ellipse: s-maj=7.8km s-min=3.6km az=94.2.
NEIC Event type se. Error ellipse: s-maj=5.6km s-min=3.6km az=212.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}2.43 $M_{\theta\theta}$-9.34 $M_{\phi\phi}$6.91 $M_{r\theta}$-0.14 $M_{\theta\phi}$1.01 $M_{\phi r}$4.52 NP1:ϕ_s314.00000°,δ69.95000°,λ154.87000°. NP2:ϕ_s53.13000°,δ66.49000° ,λ21.95000°. Principal axes: T 9.7505,Plg32.0000°,Azm273.0000°; N -0.3340,Plg58.0000° ,Azm98.0000°; P -9.4165,Plg2.0000°,Azm4.0000° $M_0$9.59000×10^{16}
IDC Error ellipse: s-maj=7.0km s-min=6.6km az=72.0.
NEIC Event type se.
AEIC Event type se. Error ellipse: s-maj=5.5km s-min=3.5km az=211.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution.Duration: 2s2 Moment tensor: Scale 10^{16}Nm; M_{rr}1.80 $M_{\theta\theta}$-9.30 $M_{\phi\phi}$7.50 $M_{r\theta}$-1.16 $M_{\theta\phi}$0.06 $M_{\phi r}$4.61 NP1:ϕ_s311.66000°,δ74.73000° ,λ153.61000°. NP2:ϕ_s49.10000°,δ64.61000°,λ16.95000°. Principal axes: T 10.0857,Plg29.0000°,Azm268.0000°; N -0.6472,Plg60.0000°,Azm104.0000° ; P -9.4386,Plg7.0000°,Azm2.0000° $M_0$9.76000×10^{16}
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s107,c153; s132,c218;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}0.18±.02 $M_{\theta\theta}$-1.16±.02; $M_{\phi\phi}$0.97±.02; $M_{r\theta}$-0.14±.02; $M_{\theta\phi}$0.13±.02; $M_{\phi r}$0.54±.01; Best double couple: NP1:ϕ_s316.00000°,δ77.00000°,λ155.00000°. NP2:ϕ_s52.00000°,δ66.00000°,λ14.00000°. Principal axes: T 1.2510,Plg27.0000° ,Azm271.0000°; N -0.0630,Plg62.0000°,Azm110.0000°; P -1.1900,Plg8.0000°,Azm5.0000° $M_0$1.22100×10^{17}
BGR Event type ke.
ISC V 13 12 19 46.2–.57 60.05N–.04 151.95W–.04 87–5 4.1b 307 0-149
IDC V 13 12 19 44.2–1.2 60.10N 152.07W 66–14 4.0,3.7s **¶610638466**
MOS V 13 12 19 44.9–.62 60.05N 151.90W 94 4.3b,3.7s
NEIC V 13 12 19 45.8–1.1 60.05N–.05 151.98W–.07 86–8 4.3b,3.7s
AEIC V 13 12 19 47.1–1.1 60.07N–.05 151.95W–.09 81–6 4.1L,3.9L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC V 16 14 51 50.8–.79 60.78N–.03 151.74W–.03 91–6 3.7b 230 0-69
IDC V 16 14 51 49.3–1.9 60.78N 152.19W 79–23 3.7,3.4b **¶610641643**
NEIC V 16 14 51 50.5–1.2 60.77N–.04 151.79W–.08 94–9 3.7,3.4b
AEIC V 16 14 51 51.8–1.3 60.79N–.03 151.75W–.07 75–8 3.4L,3.3L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC V 30 02 18 44.8–.19 60.87N–.02 151.93W–.02 90–1 5.5b 2147 0-169
BJI V 30 02 18 40.5–.00 60.79N 151.75W 80 5.4b,5.1b **¶610655713**
MOS V 30 02 18 43.6–.77 60.95N 151.95W 88 5.5b,4.1s
NEIC V 30 02 18 44.9–1.8 60.85N–.03 151.96W–.08 86–2 5.5b,4.1s
AEIC V 30 02 18 46.0–1.8 60.84N–.03 151.83W–.07 78–3 5.5L,5.5b
IDC V 30 02 18 45.5–.37 60.96N 152.03W 91–2 5.3,5.0b
NEIC V 30 02 18 45.3 60.80N 151.71W 75 5.3,5.0b
BGR V 30 02 18 45.5 60.96N 151.58W 89–4 5.8,5.7b
NEIC V 30 02 18 46 60.84N 151.83W 80 5.8,5.7b
GCMT V 30 02 18 46.0–.10 60.92N–.01 151.76W–.02 96–1 5.2W,5.7b
NEIC V 30 02 18 46 60.84N 152.03W 80 5.2W,5.7b
ISC Event type ke.
MOS Error ellipse: s-maj=8.5km s-min=3.1km az=90.2.
NEIC Event type se. Error ellipse: s-maj=5.6km s-min=4.5km az=115.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-5.76 $M_{\theta\theta}$0.68 $M_{\phi\phi}$5.08 $M_{r\theta}$1.26 $M_{\theta\phi}$-0.66 $M_{\phi r}$6.43 NP1:ϕ_s185.89000°,δ70.34000°,λ-81.70000°. NP2:ϕ_s342.46000°,δ21.28000° ,λ-112.00000°. Principal axes: T 8.0709,Plg25.0000°,Azm269.0000°; N 0.8878,Plg8.0000° ,Azm3.0000°; P -8.9587,Plg64.0000°,Azm109.0000° $M_0$8.55000×10^{16}
AEIC Event type se. Error ellipse: s-maj=5.4km s-min=4.4km az=113.0. hypocenter. manual.
IDC Error ellipse: s-maj=9.7km s-min=6.4km az=23.0.
NEIC Event type se.
BGR Event type ke.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s122,c174; s142,c251;Duration: 1s0 Moment tensor: Scale 10^{16}Nm; M_{rr}-5.92±.11 $M_{\theta\theta}$-0.63±.13; $M_{\phi\phi}$6.56±.14; $M_{r\theta}$1.15±.10; $M_{\theta\phi}$0.19±.13; $M_{\phi r}$4.35±.09; Best double couple: NP1:ϕ_s190.00000°,δ63.00000°,λ-82.00000°. NP2:ϕ_s352.00000°,δ28.00000°,λ-106.00000°. Principal axes: T 7.9590,Plg18.0000° ,Azm274.0000°; N -0.5040,Plg7.0000°,Azm6.0000°; P -7.4460,Plg71.0000°,Azm117.0000° $M_0$7.70200×10^{16}
NEIC Event type se. Moment Tensor Solution.Duration: 1s1.0 Moment tensor: Scale 10^{16}Nm; M_{rr}-6.82 $M_{\theta\theta}$0.68 $M_{\phi\phi}$6.14 $M_{r\theta}$1.22 $M_{\theta\phi}$-0.37 $M_{\phi r}$3.31 NP1:ϕ_s186.46000°,δ59.01000° ,λ-80.15000°. NP2:ϕ_s347.83000°,δ32.37000°,λ-105.89000°. Principal axes: T 6.9413,Plg13.0000°,Azm269.0000°; N 0.8679,Plg8.0000°,Azm1.0000° ; P -7.8092,Plg74.0000°,Azm123.0000° $M_0$7.38000×10^{16}
ISC VI 03 12 48 48.9–.60 60.08N–.03 151.01W–.03 65–6 4.1b 443 0-148
IDC VI 03 12 48 48.0–1.7 60.07N 151.17W 58–22 4.3L,4.1 **¶610661306**
ANF VI 03 12 48 49.3–.08 60.08N 151.04W 59–2 4.2L,4.1
AEIC VI 03 12 48 49.8–1.4 60.08N–.03 151.09W–.06 62–6 4.1L,3.9L
NEIC VI 03 12 48 49.2–1.4 60.10N–.03 151.04W–.06 65–5 4.1L,3.9L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(15) Gulf of Alaska.

ISC VI 19 16 58 14.7–1.0 57.60N–.06 142.76W–.04 10 308 2-11
ANF VI 19 16 58 14.5–.37 57.61N 142.72W 0 3.5L **¶610681911**
NEIC VI 19 16 58 15.4–1.2 57.57N–.07 142.8W–.10 10–2 3.3L,3.2L
PGC VI 19 16 58 18.7–1.2 57.75N 142.68W 10 3.2L,3.1L
AEIC VI 19 16 58 20.3–1.2 57.56N–.07 142.9W–.10 29–5 3.2L,3.1L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PGC Event type ke. 253km Wsw of Yakutat, Ak Gulf Of Alaska.
AEIC Event type se. hypocenter. manual.

(16) South of Aleutian Islands.

ISC III 02 21 58 27.7–.56 49.91N–.08 178.54W–.05 35 4.3b,3.7s 198 2-152
IDC III 02 21 58 21.9–.71 49.89N 178.51W 0 4.2,4.2b **¶610244536**
MOS III 02 21 58 26.0–.95 49.92N 178.61W 33 4.6b,4.2b
AEIC III 02 21 58 27.2–2.0 50.0N–.10 178.44W–.09 29–7 4.6b,4.2b
NEIC III 02 21 58 29.4–2.0 50.1N–.10 178.55W–.04 34–10 4.2b,3.8L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 05 11 24 33.0–.81 50.59N–.09 170.15W–.07 10 3.9b 147 2-89
IDC VI 05 11 24 31.3–1.2 50.47N 170.26W 0 3.9,3.8b **¶610662508**
NEIC VI 05 11 24 32.6–2.1 50.5N–.10 170.2W–.10 16–8 4.3L,4.0L
AEIC VI 05 11 24 35.0–2.4 50.4N–.10 170.1W–.10 5–8 4.3L,4.0L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.

(17) South of Alaska.

ISC I 25 04 14 42.9–1.2 53.67N–.10 159.01W–.07 35 56 2-47
NEIC I 25 04 14 42.0–1.5 53.60N–.01 159.1W–.10 43–51 **¶610117015**
AEIC I 25 04 14 41.2–1.5 53.6N–.10 159.0W–.10 42–9 3.4L
IDC I 25 04 14 42.6–6.6 53.58N 158.26W 0 3.5L,3.4
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=2.2km az=85.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=16.1km s-min=10.8km az=152.0. hypocenter. manual.
IDC Error ellipse: s-maj=125.0km s-min=35.0km az=87.0.
ISC II 22 22 44 17.3–1.2 52.3N–.10 164.58W–.07 35 3.7b 40 2-50
NEIC II 22 22 44 12.6–2.5 52.26N–.02 164.7W–.10 10–2 3.5b,3.3L **¶610239651**
AEIC II 22 22 44 15.9–2.3 52.24N–.10 164.6W–.10 26–9 3.5b,3.3L
IDC II 22 22 44 18.0–5.5 52.34N 163.76W 0 3.6,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.2km s-min=4.5km az=87.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=14.8km s-min=10.2km az=167.0. hypocenter. manual.
IDC Error ellipse: s-maj=98.6km s-min=35.0km az=90.0.
NEIC III 15 07 32 22.9–2.5 55.7N–.20 153.2W–.20 22–26
AEIC III 15 07 32 28.7–2.9 56.0N–.10 153.2W–.20 8–10 3.5L,2.9L **¶610331388**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC III 15 17 20 18.6–.69 53.17N–.09 161.16W–.06 10 3.9b 222 2-95
IDC III 15 17 20 16.8–.80 53.14N 161.30W 0 3.9L,3.8 **¶610329408**
NEIC III 15 17 20 18.3–2.1 53.16N–.09 161.1W–.10 10–2 4.2b,3.7L
AEIC III 15 17 20 21.5–2.8 53.19N–.09 161.3W–.10 9–6 4.2b,3.7L
ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC III 30 22 54 16.9–1.0 53.24N–.10 160.72W–.06 35 3.6b 19 2-67
IDC III 30 22 54 12.4–1.7 53.17N 160.70W 0 3.6,3.5b **¶610460772**
NEIC III 30 22 54 14.9–1.4 53.15N–.09 160.8W–.10 29–11 3.6,3.5b
AEIC III 30 22 54 15.8–1.6 53.20N–.10 160.9W–.10 35–10 3.5L,3.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC IV 01 22 43 01.3–.57 54.96N–.07 158.61W–.05 10 4.2b,3.6s 122 1-111
IDC IV 01 22 43 00.5–.83 55.06N 158.81W 0 4.0,4.0b **¶610470146**
NEIC IV 01 22 43 02.3–2.2 54.92N–.08 158.64W–.10 16–4 4.2b,4.0L
AEIC IV 01 22 43 03.9–2.0 54.83N–.08 158.58W–.10 13–3 4.2b,4.0L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC IV 04 16 14 52.5–.80 53.66N–.10 162.74W–.06 35 3.7b 69 1-113
NEIC IV 04 16 14 51.9–2.2 53.61N–.09 162.8W–.10 28–13 3.7b **¶610651932**
AEIC IV 04 16 14 52.0–2.3 53.57N–.08 162.8W–.10 24–7 3.7b,3.5L
IDC IV 04 16 14 53.9–3.5 53.95N 162.79W 38–28 3.7,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.7km s-min=8.7km az=148.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=12.9km s-min=8.8km az=151.0. hypocenter. manual.
IDC Error ellipse: s-maj=30.3km s-min=17.0km az=4.0.
ISC IV 21 10 04 29.4–1.0 53.5N–.10 162.93W–.06 10 3.2b 66 1-71
NEIC IV 21 10 04 29.4–2.3 53.42N–.09 163.04W–.09 11–7 3.6b,3.1L **¶610653189**
AEIC IV 21 10 04 30.5–2.2 53.46N–.09 163.00W–.08 14–5 3.6b,3.1L
IDC IV 21 10 04 32.3–4.6 54.15N 163.07W 0 3.2,3.2L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.6km s-min=4.9km az=156.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=13.2km s-min=5.4km az=159.0. hypocenter. manual.
IDC Error ellipse: s-maj=80.6km s-min=41.6km az=102.0.
ISC V 15 03 12 40.6–2.6 54.8N–.20 158.47W–.08 30 19 1-6
¶616087822
ISC Event type ke.
IDC V 23 05 00 04.6–12 53.54N 158.30W 0 3.1,3.1b
¶610685198
IDC Error ellipse: s-maj=234.4km s-min=69.9km az=83.0.
ISC V 28 07 37 08.9–.50 53.79N–.04 161.01W–.02 11–2 5.5s,5.0b 1172 2-162
IDC V 28 07 37 06.5–.56 53.84N 161.03W 0 5.2s,4.5 **¶611833989**
AEIC V 28 07 37 07.0–1.6 53.65N–.08 160.95W–.09 6–4 5.2s,4.5
NEIC V 28 07 37 08 53.74N 160.99W 10 5.2s,4.5
NEIC V 28 07 37 08.1–1.5 53.65N–.06 160.99W–.04 16–1 5.7,5.5
NEIC V 28 07 37 08 53.35N 160.63W 16 5.7,5.5
NEIC V 28 07 37 08 53.65N 160.97W 16 5.7,5.5
BJI V 28 07 37 09.9–.00 54.16N 161.39W 20 5.8s,5.6
MOS V 28 07 37 10.8–1.4 53.87N 160.98W 35 5.4s,5.1b
GCMT V 28 07 37 15.1–.10 53.43N–.01 160.49W–.01 12 5.6W,5.1b
BGR V 28 07 37 15.7 54.30N 160.63W 33 5.3s,4.8b
ISC Event type ke.
IDC Error ellipse: s-maj=15.8km s-min=8.9km az=6.0.
AEIC Event type se. Error ellipse: s-maj=11.5km s-min=7.2km az=171.0. hypocenter. manual.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=3.8km az=198.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.53 $M_{\theta\theta}$-1.22 $M_{\phi\phi}$-0.31 $M_{r\theta}$1.41 $M_{\theta\phi}$-0.61 $M_{\phi r}$0.63 NP1:ϕ_s241.36000°,δ22.41000°,λ86.55000°. NP2:ϕ_s65.08000°,δ67.63000°,λ91.42000°. Principal axes: T 2.1720,Plg67.0000°,Azm338.0000°; N -0.0031,Plg1.0000°,Azm245.0000°; P -2.1689,Plg23.0000°,Azm154.0000° $M_0$2.17000×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 3s3 Moment tensor: Scale 10^{17}Nm; M_{rr}2.11 $M_{\theta\theta}$-2.18 $M_{\phi\phi}$0.07 $M_{r\theta}$4.13 $M_{\theta\phi}$-0.93 $M_{\phi r}$0.97 NP1:ϕ_s76.17000°,δ75.78000°,λ93.54000°. NP2:ϕ_s242.04000°,δ14.65000°,λ76.32000°. Principal axes: T 4.6434,Plg59.0000°,Azm351.0000°; N 0.3739,Plg3.0000°,Azm255.0000°; P -5.0173,Plg31.0000°,Azm163.0000° $M_0$4.83000×10^{17}
NEIC Event type se.
MOS Error ellipse: s-maj=8.3km s-min=3.9km az=95.7.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s120,c212; s158,c329;Duration: 1s6 Moment tensor: Scale 10^{17}Nm; M_{rr}2.00±.02 $M_{\theta\theta}$-1.74±.02; $M_{\phi\phi}$-0.26±.02; $M_{r\theta}$2.96±.07; $M_{\theta\phi}$-0.68±.02; $M_{\phi r}$0.89±.07; Best double couple: NP1:ϕ_s73.00000°,δ74.00000°,λ92.00000°. NP2:ϕ_s245.00000°,δ17.00000°,λ83.00000°. Principal axes: T 3.6850,Plg61.0000°,Azm346.0000°; N -0.0110,Plg2.0000°,Azm252.0000°; P -3.6790,Plg29.0000°,Azm161.0000° $M_0$3.68200×10^{17}
BGR Event type ke.
ISC VI 25 04 28 21.4–1.0 53.7N–.10 156.91W–.08 35 3.6b 69 2-84
IDC VI 25 04 28 14.3–1.8 53.32N 157.33W 0 3.6,3.6b **¶610789421**
AEIC VI 25 04 28 19.8–1.7 53.5N–.10 156.8W–.10 0–8 3.6,3.6b
NEIC VI 25 04 28 20.5–.90 53.6N–.10 157.0W–.10 36–8 3.7L,3.6L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

SEISMIC REGION 2.
Eastern Alaska to Vancouver Island.

(18) Southern Yukon Territory.

ISC I 13 20 10 12.4–1.1 64.66N–.03 134.12W–.07 10 26 1-5
¶612453798
ISC Event type ke.
ISC II 20 16 17 39.6–.89 62.43N–.01 139.19W–.01 15–7 315 0-26
IDC II 20 16 17 38.3–1.7 62.34N 139.35W 0 3.3L,3.1 **¶610236331**
AEIC II 20 16 17 39.3–1.4 62.44N–.04 139.20W–.08 7–6 3.3L,3.1
NEIC II 20 16 17 40.0–1.3 62.47N–.04 139.12W–.08 14–5 3.8L,3.7L
PGC II 20 16 17 40.6 62.41N 139.20W 12–0 3.9L,3.7L
ISC Event type ke.
IDC Error ellipse: s-maj=33.9km s-min=11.1km az=15.0.
AEIC Event type se. Error ellipse: s-maj=6.2km s-min=5.6km az=175.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=6.3km s-min=5.7km az=190.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PGC Event type ke. 183km south of Dawson, Yt Southern Yukon Territory, Canada.
ISC II 20 17 31 26.4–1.1 62.40N–.03 139.21W–.02 6–13 25 0-2
¶612454002
ISC Event type ke.
ISC III 02 02 58 11.6–.94 61.55N–.01 140.98W–.01 9–8 183 0-5
NEIC III 02 02 58 11.3–1.7 61.538N–.01 141.07W–.02 1–3 **¶610243176**
AEIC III 02 02 58 11.5–1.4 61.54N–.01 140.99W–.03 2–3
ANF III 02 02 58 11.1–.17 61.55N 140.97W 5–1 2.7L
PGC III 02 02 58 12.4 61.56N 140.96W 10 2.5L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=2.0km s-min=0.9km az=125.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=1.9km s-min=1.6km az=136.0. hypocenter. manual.
ANF Error ellipse: s-maj=1.4km s-min=1.0km az=49.0.
PGC Event type ke. 205km Wnw of Haines Jct., Yt Southern Yukon Territory, Canada.
ISC III 20 12 53 22.7–.87 61.31N–.02 139.21W–.02 10 33 0-2
¶616087319
ISC Event type ke.
ISC IV 07 09 57 16.5–1.2 64.86N–.03 135.01W–.03 28–13 131 1-9
ANF IV 07 09 57 15.3–.40 64.80N 135.01W 21–3 3.0L **¶612417348**
PGC IV 07 09 57 15.1–.04 64.79N 135.15W 10 2.9L
ISC Event type ke.
ANF Error ellipse: s-maj=2.2km s-min=1.1km az=85.0.
PGC Event type ke. 220km east of Dawson, Yt Southern Yukon Territory, Canada.
ISC IV 07 20 01 32.2–.76 60.96N–.01 138.29W–.01 6–5 248 0-89
AEIC IV 07 20 01 31.6–2.0 60.99N–.03 138.31W–.06 10–6 **¶610521452**
NEIC IV 07 20 01 32.5–1.7 60.96N–.03 138.30W–.06 7–7 3.4L,3.3L
ANF IV 07 20 01 32.1–.14 60.97N 138.29W 0 3.6L,3.3L
PGC IV 07 20 01 33.0 60.98N 138.32W 0–0 3.3L,3.1L
IDC IV 07 20 01 33.5–1.2 61.09N 138.50W 0 3.5b,3.4s
ISC Event type ke.
AEIC Event type se. Error ellipse: s-maj=4.2km s-min=3.8km az=162.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=4.7km s-min=4.1km az=120.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ANF Error ellipse: s-maj=1.6km s-min=1.3km az=27.0.
PGC Event type ke. 50km Wnw of Haines Jct., Yt Southern Yukon Territory, Canada.
IDC Error ellipse: s-maj=22.0km s-min=10.4km az=35.0.
ISC VI 15 15 39 10.7–1.0 61.49N–.03 140.45W–.03 11–10 24 0-2
¶616087989
ISC Event type ke.

(19) Southeastern Alaska.

ISC I 16 20 53 37.2–.44 58.20N–.02 136.82W–.02 10 4.1b 386 0-91
IDC I 16 20 53 36.7–.69 58.31N 136.98W 0 4.5s,3.9 **¶610098421**
NEIC I 16 20 53 36.7–1.8 58.11N–.05 136.80W–.07 10–1 4.5s,3.9
OTT I 16 20 53 37.2–1.8 58.16N–.05 136.82W–.07 10–5 4.2L,4.1L
PGC I 16 20 53 37.3–.33 58.17N 136.94W 5 4.1L,4.1L
AEIC I 16 20 53 37–2.1 58.18N–.05 136.83W–.08 11–5 4.1L,4.1L
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
OTT Event type se. hypocenter. manual.
PGC Event type ke. 144km Wsw of Haines, Ak Southeastern Alaska.
AEIC Event type se. hypocenter. manual.
ISC I 16 21 40 09.3–1.1 58.12N–.02 136.81W–.02 1–7 4.5b 528 0-148
NEIC I 16 21 40 09.9–1.5 58.06N–.03 136.85W–.05 10–1 5.0,4.5b **¶610098423**
MOS I 16 21 40 09.1–1.4 58.22N 136.78W 10 4.7b,4.5b
IDC I 16 21 40 10.3–.57 58.16N 136.97W 0 4.1,4.1b
AEIC I 16 21 40 10.5–2.0 58.15N–.03 136.85W–.07 13–1 4.1,4.1b
PGC I 16 21 40 11.4–.69 58.20N 136.87W 5 5.0W,4.4L
NEIC I 16 21 40 11.4 58.20N 136.87W 17 5.0W,4.4L
OTT I 16 21 40 11.4–2.7 58.20N–.03 136.87W–.06 5–1 5.0W,4.4L
ANF I 16 21 40 11.5–.37 58.15N 136.80W 12–2 4.6L,4.4L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=6.5km s-min=2.7km az=224.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=13.9km s-min=5.4km az=110.4.
IDC Error ellipse: s-maj=12.6km s-min=7.0km az=20.0.
AEIC Event type se. Error ellipse: s-maj=6.2km s-min=3.2km az=53.0. hypocenter. manual.
PGC Event type ke. 139km Wsw of Haines, Ak Southeastern Alaska.
NEIC Event type se. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-0.03 $M_{\theta\theta}$-2.41 $M_{\phi\phi}$3.68 $M_{r\theta}$0.16 $M_{\theta\phi}$2.77 $M_{\phi r}$0.49 NP1:ϕ_s336.00000°,δ86.00000°,λ175.00000°. NP2:ϕ_s66.00000°,δ85.00000°,λ4.00000°. Principal axes: T 4.3923,Plg6.0000°,Azm291.0000°; N -0.4978,Plg84.0000°,Azm116.0000°; P -3.8945,Plg1.0000°,Azm21.0000° $M_0$4.20000×10^{16}
OTT Event type se. Error ellipse: s-maj=6.3km s-min=3.3km az=229.0. hypocenter. manual.
ANF Error ellipse: s-maj=2.0km s-min=1.3km az=22.0.
ISC I 16 22 41 04.9–1.1 59.86N–.03 136.79W–.03 6–10 56 0-5
AEIC I 16 22 41 04.5–5.0 59.87N–.01 136.71W–.03 17–2 **¶610570703**
PGC I 16 22 41 05.7–.01 59.86N 136.73W 2–0 2.5L
NEIC I 16 22 41 05.1–1.3 59.83N–.02 136.81W–.02 10–1 2.5L
OTT I 16 22 41 05.7–2.2 59.86N–.01 136.73W–.02 2–3 2.6L,2.1L
ISC Event type ke.
AEIC Event type se. hypocenter. manual.
PGC Event type ke. 108km southeast of Haines Jct., Yt Southeastern Alaska.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
OTT Event type se. hypocenter. manual.
ISC I 17 04 10 48.2–1.3 58.18N–.03 136.82W–.03 4–11 134 0-8
NEIC I 17 04 10 47.5–.80 58.12N–.05 136.83W–.07 1–10 **¶610098430**
AEIC I 17 04 10 48.9–1.0 58.17N–.05 136.80W–.09 13–7
PGC I 17 04 10 49.5–.44 58.24N 136.81W 1 3.4L,3.4L
ANF I 17 04 10 49.4–.29 58.19N 136.70W 15–2 3.6L,3.4L
OTT I 17 04 10 49–1.3 58.24N–.05 136.81W–.04 1–2 3.5L,3.4L
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
PGC Event type ke. 133km Wsw of Haines, Ak Southeastern Alaska.
OTT Event type se. hypocenter. manual.
ISC I 25 18 31 22.6–1.2 59.45N–.02 134.71W–.02 1–12 46 0-4
ANF I 25 18 31 22.9–.26 59.47N 134.66W 6–2 2.0L **¶610121978**
NEIC I 25 18 31 23.3–.90 59.41N–.02 134.67W–.06 6–10 2.0L
OTT I 25 18 31 23.6–.75 59.41N–.01 134.63W–.07 1–2 2.5L,2.3L
PGC I 25 18 31 23.6–.01 59.41N 134.63W 1 2.5L,2.3L
ISC Event type ke.
ANF Error ellipse: s-maj=2.4km s-min=1.6km az=175.0.
NEIC Event type se. Error ellipse: s-maj=4.9km s-min=2.1km az=60.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
OTT Event type se. Error ellipse: s-maj=6.2km s-min=3.0km az=278.0. hypocenter. manual.
PGC Event type ke. 47km Ene of Haines, Ak Southeastern Alaska.
ISC I 26 04 54 14.0–1.3 57.71N–.03 132.41W–.03 1–12 51 1-4
NEIC I 26 04 54 13.7–1.9 57.70N–.02 132.35W–.03 1–4 **¶610133034**
AEIC I 26 04 54 14.2–2.4 57.70N–.03 132.40W–.02 11–5
PGC I 26 04 54 14.7–.06 57.72N 132.42W 1 3.1L
OTT I 26 04 54 14.7–2.1 57.72N–.02 132.42W–.04 1–3 3.1L,2.5L
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
PGC Event type ke. 134km Ese of Juneau, Ak Southeastern Alaska.
OTT Event type se. hypocenter. manual.
ISC I 26 13 58 32.8–1.4 57.68N–.04 132.41W–.04 8–13 33 1-4
NEIC I 26 13 58 33.6–1.6 57.69N–.02 132.33W–.07 10–1 2.8L,2.3L **¶610133038**
OTT I 26 13 58 34.1–2.9 57.75N–.02 132.40W–.04 1–1 2.8L,2.3L
PGC I 26 13 58 34.1–.13 57.75N 132.40W 1 2.8L,2.3L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=6.7km s-min=3.3km az=85.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
OTT Event type se. Error ellipse: s-maj=4.3km s-min=3.2km az=59.0. hypocenter. manual.
PGC Event type ke. 133km Ese of Juneau, Ak Southeastern Alaska.
ISC I 27 01 17 42.1–.92 59.12N–.02 136.44W–.02 17–8 156 0-5
ANF I 27 01 17 41.5–.26 59.10N 136.44W 5–2 3.5L **¶610133050**
OTT I 27 01 17 43.0–1.1 59.12N–.02 136.40W–.04 1–2 3.5L
PGC I 27 01 17 43.0–.02 59.12N 136.40W 1 3.2L
AEIC I 27 01 17 42.2–.58 59.105N–.01 136.41W–.05 7–6 3.2L
NEIC I 27 01 17 42.5–.76 59.13N–.03 136.41W–.05 8–7 3.3L,3.2L
ISC Event type ke.
OTT Event type se. hypocenter. manual.
PGC Event type ke. 66km west of Haines, Ak Southeastern Alaska.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 10 16 45 31.3–1.4 55.06N–.03 134.49W–.05 6–10 67 1-7
NEIC II 10 16 45 31.9–2.4 55.02N–.03 134.69W–.07 10–2 2.9L,2.8L **¶610208107**
PGC II 10 16 45 34.4–.03 55.01N 134.41W 15–0 2.8L,2.8L
ISC Event type ke.

NEIC Event type se. Error ellipse: s-maj=7.3km s-min=4.8km az=60.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.6km az=-1.0. 183km Wnw of Masset, Bc Southeastern Alaska.
ISC II 19 20 19 35.3–1.1 60.42N–.05 139.44W–.03 8–15 14 0-2 ¶612453997
ISC Event type ke.
ISC III 14 17 13 20.7–.59 59.53N–.02 138.85W–.02 10 3.5b 277 0-89
IDC III 14 17 13 20.3–1.6 59.40N 139.13W 0 3.5b,3.4 **¶610328646**
AEIC III 14 17 13 20.5–1.6 59.52N–.05 138.85W–.07 6–3 3.5b,3.4
ANF III 14 17 13 20.1–.32 59.51N 138.86W 4–2 3.7L,3.4
PGC III 14 17 13 20.7–.22 59.45N 138.87W 5–0 3.6L,3.3L
NEIC III 14 17 13 21.4–1.6 59.54N–.05 138.89W–.07 11–7 3.6L,3.5L
ISC Event type ke.
AEIC Event type se. hypocenter. manual.
PGC Event type ke. 39km Ene of Yakutat, Ak Southeastern Alaska.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 26 18 47 34.5–.86 59.58N–.03 138.96W–.02 17–5 3.8b 295 0-89
IDC III 26 18 47 31.9–.91 59.58N 139.12W 0 3.7b,3.6 **¶610435136**
ANF III 26 18 47 33.3–.23 59.54N 138.90W 9–1 3.9L,3.6
NEIC III 26 18 47 34.7–1.4 59.57N–.04 139.00W–.06 16–7 3.9L,3.6L
AEIC III 26 18 47 34.4–1.7 59.56N–.04 138.96W–.06 20–7 3.9L,3.6L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC IV 05 06 15 49.1–.76 58.78N–.02 134.52W–.02 10 78 0-5
NEIC IV 05 06 15 49.1–2.9 58.78N–.02 134.59W–.03 1–2 2.8L,2.3L **¶610502361**
PGC IV 05 06 15 49.2–.01 58.77N 134.49W 1 2.8L,1.8L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=3.2km s-min=1.8km az=217.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PGC Event type ke. 52km northeast of Juneau, Ak Southeastern Alaska.
ISC IV 09 14 53 09.6–1.3 59.02N–.03 137.97W–.03 1–10 193 1-10
ANF IV 09 14 53 10.1–.27 59.05N 137.96W 0 3.6L **¶610523761**
NEIC IV 09 14 53 10.6–1.3 59.02N–.05 138.02W–.09 7–7 3.6L
AEIC IV 09 14 53 10.4–1.4 59.04N–.05 137.96W–.09 8–6 3.4L,3.2L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC IV 21 14 34 57.8–1.0 60.24N–.03 139.58W–.03 14–12 17 0-2 ¶616087682
ISC Event type ke.
ISC V 01 12 31 55.0–.27 59.85N–.01 136.71W–.01 9–1 6.4b,6.2s 3534 0-168
AEIC V 01 12 31 53.0–1.8 59.85N–.04 136.68W–.04 1–2 6.4b,6.2s **¶611833705**
BJI V 01 12 31 53.4–.00 59.91N 136.62W 10 6.7s,6.6b
IDC V 01 12 31 54.0–.29 59.93N 136.77W 0 6.0s,5.7
NEIC V 01 12 31 54.2 59.87N 136.66W 6 6.0s,5.7
PGC V 01 12 31 54.1 59.87N 136.66W 5–0 6.6L,6.2W
MOS V 01 12 31 54.3–.80 59.92N 136.74W 13 6.5b,6.1s
NEIC V 01 12 31 54 59.84N 136.69W 12 6.5b,6.1s
NEIC V 01 12 31 55.6 59.82N 136.70W 10 6.5b,6.1s
NEIC V 01 12 31 55.6 59.82N 136.70W 10 6.5b,6.1s
NEIC V 01 12 31 55.6–1.9 59.82N–.04 136.71W–.07 10–1 6.4L,6.4b
BGR V 01 12 31 57.8 59.89N 137.54W 33 7.1,6.6b
GCMT V 01 12 31 59.6–.10 60.03N 136.60W 15–0 6.2W,6.6b
NEIC V 01 12 32 00 59.84N 136.69W 16 6.2W,6.6b
ISC Event type ke.
AEIC Event type se. Error ellipse: s-maj=6.0km s-min=2.9km az=191.0. hypocenter. manual.
IDC Error ellipse: s-maj=8.9km s-min=6.3km az=50.0.
NEIC Event type se. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-0.06 $M_{\theta\theta}$-0.31 $M_{\phi\phi}$-0.22 $M_{r\theta}$0.33 $M_{\theta\phi}$1.91 $M_{\phi r}$-0.92 NP1:ϕ_s359.00000°,δ86.00000°,λ-155.00000°. NP2: ϕ_s268.00000°,δ65.00000°,λ-4.00000°. Principal axes: T 1.9522,Plg15.0000°,Azm131.0000° ; N 0.3422,Plg65.0000°,Azm7.0000°; P -2.2944,Plg20.0000°,Azm226.0000° $M_0$2.20000×10^{18}
PGC Event type ke. 109km southeast of Haines Jct., Yt Southeastern Alaska.
MOS Error ellipse: s-maj=7.7km s-min=3.1km az=99.5.
NEIC Event type se.
NEIC Event type se.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=7.0km s-min=5.5km az=22.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}0.93 $M_{\theta\theta}$-0.30 $M_{\phi\phi}$-0.63 $M_{r\theta}$-0.15 $M_{\theta\phi}$1.12 $M_{\phi r}$-0.53 NP1:ϕ_s168.86000°,δ61.14000°,λ131.53000°. NP2:ϕ_s287.45000° ,δ49.03000°,λ39.73000°. Principal axes: T 1.3008,Plg54.0000°,Azm131.0000° ; N 0.3312,Plg35.0000°,Azm326.0000°; P -1.6320,Plg7.0000°,Azm231.0000° $M_0$1.49000×10^{18} Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}1.22 $M_{\theta\theta}$-0.77 $M_{\phi\phi}$-0.45 $M_{r\theta}$0.04 $M_{\theta\phi}$1.15 $M_{\phi r}$-0.64 NP1:ϕ_s286.08000°,δ42.45000°,λ51.13000°. NP2: ϕ_s153.60000°,δ58.30000°,λ119.86000°. Principal axes: T 1.4992,Plg63.0000°,Azm115.0000° ; N 0.3395,Plg25.0000°,Azm317.0000°; P -1.8387,Plg9.0000°,Azm223.0000° $M_0$1.69000×10^{18}
BGR Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s166,c385; s166,c600; Duration: 3s0 Moment tensor: Scale 10^{18}Nm; M_{rr}1.60±.02 $M_{\theta\theta}$-0.91±.01; $M_{\phi\phi}$-0.68±.01; $M_{r\theta}$0.03±.03; $M_{\theta\phi}$1.94±.01; $M_{\phi r}$-0.79±.03; Best double couple: NP1:ϕ_s160.00000°,δ60.00000° ,λ128.00000°. NP2:ϕ_s283.00000°,δ47.00000°,λ44.00000°. Principal axes: T 2.0180,Plg57.0000°,Azm123.0000°; N 0.8010,Plg32.0000°,Azm319.0000° ; P -2.8140,Plg7.0000°,Azm224.0000° $M_0$2.41600×10^{18}
NEIC Event type se. Moment Tensor Solution.Duration: 12s0 Moment tensor: Scale 10^{18}Nm; M_{rr}1.49 $M_{\theta\theta}$-0.81 $M_{\phi\phi}$-0.68 $M_{r\theta}$-0.23 $M_{\theta\phi}$1.74 $M_{\phi r}$-1.37 NP1:ϕ_s282.00000°,δ46.00000° ,λ35.00000°. NP2:ϕ_s165.00000°,δ65.00000°,λ130.00000°. Principal axes: T 2.4889,Plg52.0000°,Azm122.0000°; N 0.1560,Plg36.0000°,Azm326.0000° ; P -2.6448,Plg12.0000°,Azm228.0000° $M_0$2.57000×10^{18}
ISC V 01 12 36 58.1–1.1 59.81N–.02 136.75W–.03 6–10 33 0-3
ANF V 01 12 36 58.0–.25 59.81N 136.73W 6–2 4.7L **¶611149772**
NEIC V 01 12 36 58.5–2.0 59.78N–.04 136.77W–.08 4–9 4.4L,4.3L
AEIC V 01 12 36 58.1–2.3 59.81N–.02 136.68W–.04 2–7 4.4L,4.3L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC V 01 12 43 08.2–.88 59.89N–.01 136.76W–.01 12–7 183 0-8
ANF V 01 12 43 07.8–.18 59.90N 136.77W 6–1 3.9L **¶611149775**
AEIC V 01 12 43 08.0–1.8 59.89N–.01 136.79W–.03 1–5 3.9L
NEIC V 01 12 43 08.3–1.8 59.88N–.02 136.81W–.02 1–5 3.9L,3.5L
PGC V 01 12 43 08.8 59.89N 136.78W 1–0 3.9L,3.2L
ISC Event type ke.
ANF Error ellipse: s-maj=1.6km s-min=1.2km az=66.0.
AEIC Event type se. Error ellipse: s-maj=2.1km s-min=1.6km az=112.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=2.8km s-min=1.4km az=189.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PGC Event type ke. 104km southeast of Haines Jct., Yt Southeastern Alaska.
ISC V 01 12 44 54.4–.84 59.86N–.03 136.69W–.03 10 25 0-3
NEIC V 01 12 44 53.9–1.7 59.85N–.02 136.65W–.04 2–9 3.6L,3.1L **¶611149776**
ANF V 01 12 44 53.7–.28 59.88N 136.69W 5–3 3.7L,3.1L
AEIC V 01 12 44 54.2–1.4 59.89N–.02 136.70W–.04 2–7 3.7L,3.1L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC V 01 12 48 25.4–1.1 59.83N–.03 136.74W–.02 6–12 32 0-2
NEIC V 01 12 48 24.2–1.4 59.36N–.06 136.62W–.04 13–2 2.6L **¶610589729**
ANF V 01 12 48 25.8–.21 59.88N 136.81W 10–1 3.5L
AEIC V 01 12 48 26.1–3.9 59.90N–.06 136.79W–.04 4–8 3.5L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC V 01 12 49 18.5–.66 59.91N–.01 136.84W–.01 6–4 5.3s,4.9b 675 0-150
BJI V 01 12 49 16.2–.00 60.01N 137.27W 5 4.7b,4.9b **¶611149780**
ANF V 01 12 49 17.2–.12 59.91N 136.78W 0 5.1L,4.9b
AEIC V 01 12 49 17.5–2.1 59.91N–.02 136.78W–.03 4–3 5.1L,4.9b
MOS V 01 12 49 17.7–.93 59.89N 136.86W 11 5.1b,4.9b
PGC V 01 12 49 17.9–.02 59.90N 136.78W 1–0 5.2b,5.0W
IDC V 01 12 49 17.6–.43 59.95N 136.91W 0 5.2s,4.5
NEIC V 01 12 49 17.9 59.90N 136.78W 7 5.2s,4.5
NEIC V 01 12 49 19.0–2.1 59.88N–.02 136.84W–.03 8–3 5.2b,5.0
ISC Event type ke.
AEIC Event type se. hypocenter. manual.
PGC Event type ke. 103km southeast of Haines Jct., Yt Southeastern Alaska.
NEIC Event type se. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}3.38 $M_{\theta\theta}$-0.43 $M_{\phi\phi}$-1.66 $M_{r\theta}$2.64 $M_{\theta\phi}$1.66 $M_{\phi r}$-2.02 NP1:ϕ_s132.00000°,δ69.00000°,λ80.00000°. NP2: ϕ_s339.00000°,δ23.00000°,λ115.00000°. Principal axes: T 4.4909,Plg65.0000°,Azm25.0000° ; N 0.1126,Plg10.0000°,Azm136.0000°; P -4.6035,Plg23.0000°,Azm230.0000° $M_0$4.60000×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 01 12 51 38.1–.88 59.90N–.03 136.77W–.03 10 22 0-3
NEIC V 01 12 51 37.8–.55 59.92N–.03 136.76W–.08 6–9 3.5L,3.1L **¶611149782**
ANF V 01 12 51 37.9–.26 59.88N 136.81W 9–3 3.3L,3.1L
AEIC V 01 12 51 38–1.4 59.89N–.04 136.77W–.07 3–4 3.3L,3.1L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC V 01 12 56 38.1–.99 59.86N–.02 136.64W–.01 8–8 222 0-24
ANF V 01 12 56 37.9–.27 59.85N 136.69W 0–2 4.3L **¶610689308**
NEIC V 01 12 56 38.7–2.9 59.86N–.02 136.68W–.03 4–7 4.0L,3.9L
PGC V 01 12 56 38.7–.01 59.85N 136.68W 16–0 4.0L,3.9L
IDC V 01 12 56 38.5–1.2 59.78N 136.83W 0 3.7,3.3b
AEIC V 01 12 56 38.1–2.8 59.84N–.02 136.67W–.04 2–6 3.7,3.3b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PGC Event type ke. 110km southeast of Haines Jct., Yt Southeastern Alaska.
AEIC Event type se. hypocenter. manual.
ISC V 01 13 00 05.4–.96 59.83N–.02 136.66W–.02 12–10 56 0-4
NEIC V 01 13 00 05.0–.74 59.83N–.01 136.66W–.04 7–9 3.3L,3.0L **¶611149792**
ANF V 01 13 00 05.5–.14 59.84N 136.71W 7–1 3.5L,3.0L
AEIC V 01 13 00 05.8–.78 59.85N–.02 136.69W–.03 8–7 3.5L,3.0L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC V 01 13 00 21.1–.86 59.84N–.03 136.80W–.03 10 22 0-7
NEIC V 01 13 00 20.8–1.6 59.78N–.08 136.80W–.07 10–2 3.4L,3.0L **¶611149795**
ANF V 01 13 00 20.8–.27 59.86N 136.72W 2–3 3.3L,3.0L
AEIC V 01 13 00 20.9–1.9 59.84N–.07 136.80W–.10 2–5 3.3L,3.0L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ANF V 01 13 14 40.1–.20 59.85N 136.68W 15–2 2.8L,2.4L ¶616087744
ANF Error ellipse: s-maj=2.3km s-min=1.4km az=43.0.
ANF V 01 13 15 29.0–.14 59.88N 136.80W 12–1 ¶617195732
ANF Error ellipse: s-maj=1.4km s-min=1.0km az=49.0.
ISC V 01 13 17 27.3–.93 59.90N–.02 136.80W–.02 12–8 54 0-6
ANF V 01 13 17 26.9–.23 59.90N 136.82W 2–2 3.2L **¶611149798**
NEIC V 01 13 17 27.1–.80 59.91N–.02 136.81W–.05 9–6 3.2L,2.9L
AEIC V 01 13 17 27.4–1.2 59.92N–.02 136.75W–.07 8–7 3.2L,2.9L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC V 01 13 18 31.0–.52 59.87N–.02 136.73W–.02 10 3.7b 239 0-73
ANF V 01 13 18 30.5–.18 59.90N 136.76W 9–1 4.0L **¶610689309**
IDC V 01 13 18 31.8–1.2 59.98N 136.80W 0 4.4s,3.6
AEIC V 01 13 18 31.1–1.4 59.91N–.05 136.73W–.05 4–5 4.4s,3.6
NEIC V 01 13 18 31–1.2 59.84N–.04 136.72W–.05 5–7 3.7L,3.4L
PGC V 01 13 18 31.6–.02 59.89N 136.75W 5–0 3.8L,3.7L
ISC Event type ke.
ANF Error ellipse: s-maj=1.5km s-min=1.1km az=62.0.
IDC Error ellipse: s-maj=20.0km s-min=14.5km az=12.0.
AEIC Event type se. Error ellipse: s-maj=6.9km s-min=3.4km az=165.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=6.0km s-min=3.1km az=204.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PGC Event type ke. 104km southeast of Haines Jct., Yt Southeastern Alaska.
ANF V 01 14 05 47.8–.16 59.88N 136.74W 8–1 3.9L,2.9L ¶616972075
ANF Error ellipse: s-maj=1.4km s-min=1.1km az=55.0.
ISC V 01 14 06 32.2–1.1 59.88N–.02 136.67W–.02 1–10 96 0-24
NEIC V 01 14 06 32.0–2.0 59.86N–.05 136.71W–.08 3–9 3.5L,3.3L **¶610589734**
ANF V 01 14 06 32.5–.18 59.85N 136.70W 7–1 3.5L,3.3L
AEIC V 01 14 06 32.4–2.0 59.86N–.05 136.69W–.09 4–7 3.5L,3.3L
IDC V 01 14 06 35.3–1.8 59.83N 136.64W 0 3.3b,3.1
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=8.2km s-min=4.6km az=210.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ANF Error ellipse: s-maj=1.2km s-min=0.9km az=45.0.
AEIC Event type se. Error ellipse: s-maj=8.1km s-min=6.4km az=209.0. hypocenter. manual.
IDC Error ellipse: s-maj=29.4km s-min=16.4km az=23.0.
ISC V 01 14 18 17.1–.27 59.77N–.02 136.74W–.01 4–1 6.2s,6.0b 2205 0-168
AEIC V 01 14 18 14.7–1.7 59.79N–.05 136.71W–.07 7–3 6.2s,6.0b **¶611833703**
BJI V 01 14 18 14.9–.00 59.75N 136.60W 10 6.8s,6.4
NEIC V 01 14 18 15 59.74N 136.70W 12 6.8s,6.4
NEIC V 01 14 18 15.3 59.83N 136.70W 10 6.8s,6.4
MOS V 01 14 18 15.5–1.3 59.79N 136.68W 10 6.1b,6.1s
PGC V 01 14 18 15.3–.01 59.83N 136.70W 3–0 6.4L,6.3W
IDC V 01 14 18 16.0–.28 59.93N 136.68W 0 6.0s,5.5
NEIC V 01 14 18 16.5 59.79N 136.73W 10 6.0s,5.5
NEIC V 01 14 18 16.5 59.79N 136.73W 10 6.0s,5.5
NEIC V 01 14 18 17.7–1.9 59.79N–.04 136.75W–.06 20–1 6.0s,5.5
GCMT V 01 14 18 21.3–.10 59.91N 136.60W 14–0 6.2W,5.5
NEIC V 01 14 18 22 59.74N 136.50W 18 6.2W,5.5
ISC Event type ke.
AEIC Event type se. Error ellipse: s-maj=6.7km s-min=5.1km az=195.0. hypocenter. manual.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-0.17 $M_{\theta\theta}$0.73 $M_{\phi\phi}$-1.76 $M_{r\theta}$0.67 $M_{\theta\phi}$2.67 $M_{\phi r}$-0.75 NP1:ϕ_s282.00000°,δ82.00000°,λ-14.00000°. NP2: ϕ_s14.00000°,δ76.00000°,λ-172.00000°. Principal axes: T 2.8375,Plg4.0000°,Azm328.0000° ; N 0.4990,Plg74.0000°,Azm72.0000°; P -3.3365,Plg16.0000°,Azm237.0000° $M_0$3.20000×10^{18}
MOS Error ellipse: s-maj=9.2km s-min=3.6km az=96.7.
PGC Event type ke. 112km southeast of Haines Jct., Yt Southeastern Alaska.
IDC Error ellipse: s-maj=8.2km s-min=6.6km az=38.0.
NEIC Event type se.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=7.2km s-min=4.3km az=34.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}0.38 $M_{\theta\theta}$0.82 $M_{\phi\phi}$-1.20 $M_{r\theta}$-0.19 $M_{\theta\phi}$2.15 $M_{\phi r}$-0.16 NP1:ϕ_s192.28000°,δ85.12000°,λ174.21000°. NP2:ϕ_s282.77000°,δ84.23000°

,λ4.90000°. Principal axes: T 2.2201,Plg8.0000°,Azm147.0000°; N 0.3452,Plg82.0000°
,Azm332.0000°; P -2.5653,Plg1.0000°,Azm238.0000° $M_0$2.41000×10^{18} Moment Tensor
Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}0.52 $M_{\theta\theta}$0.03 $M_{\phi\phi}$-0.56 $M_{r\theta}$-0.21 $M_{\theta\phi}$1.68
$M_{\phi r}$-0.38 NP1:ϕ_s276.64000°,δ72.83000°,λ12.36000°. NP2:ϕ_s182.93000°,δ78.20000°
,λ162.45000°. Principal axes: T 1.5907,Plg21.0000°,Azm139.0000°; N 0.3830,Plg69.0000°
,Azm330.0000°; P -1.9736,Plg4.0000°,Azm230.0000° $M_0$1.81000×10^{18}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s.
Triangular moment-rate function. Moment Tensor Solution. s169,c408; s172,c646;
Duration: 3ş3 Moment tensor: Scale 10^{18}Nm; M_{rr}0.52±.01 $M_{\theta\theta}$0.69±.01; $M_{\phi\phi}$-1.21±.01;
$M_{r\theta}$-0.56±.04; $M_{\theta\phi}$2.77±.01; $M_{\phi r}$-0.41±.03; Best double couple: NP1:ϕ_s188.00000°,δ79.00000°
,λ168.00000°. NP2:ϕ_s281.00000°,δ78.00000°,λ12.00000°. Principal axes:
T 2.8730,Plg16.0000°,Azm144.0000°; N 0.3170,Plg74.0000°,Azm325.0000°
; P -3.1880,Plg0.0000°,Azm234.0000° $M_0$3.03100×10^{18}
NEIC Event type se. Moment Tensor Solution.Duration: 14ş0 Moment tensor: Scale 10^{18}Nm;
M_{rr}0.49 $M_{\theta\theta}$0.68 $M_{\phi\phi}$-1.18 $M_{r\theta}$-1.39 $M_{\theta\phi}$2.93 $M_{\phi r}$-0.62 NP1:ϕ_s186.00000°,δ68.00000°
,λ165.00000°. NP2:ϕ_s282.00000°,δ76.00000°,λ23.00000°. Principal axes:
T 3.5566,Plg26.0000°,Azm145.0000°; N -0.2051,Plg63.0000°,Azm312.0000°
; P -3.3515,Plg5.0000°,Azm53.0000° $M_0$3.46000×10^{18}
ISC V 01 14 20 24.2–1.1 59.77N–.03 136.65W–.03 3–8 5.7b 52 0-79
ANF V 01 14 20 23.8–.31 59.78N 136.63W 16–3 5.6L **¶610669455**
AEIC V 01 14 20 24.5–1.6 59.80N–.03 136.66W–.04 5–4 5.6L
NEIC V 01 14 20 24.4–1.5 59.78N–.02 136.63W–.04 4–5 5.6b,5.5L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 01 14 21 12.9–.28 59.79N–.03 136.66W–.03 10 5.7b 276 0-168
ANF V 01 14 21 11.7–.28 59.79N 136.66W 13–3 5.3L **¶611149803**
MOS V 01 14 21 11.3–.90 59.73N 136.80W 10 6.0b
IDC V 01 14 21 12.4–.45 59.82N 136.72W 0 5.4,5.4b
AEIC V 01 14 21 12.1–1.1 59.78N–.08 136.66W–.08 7–3 5.4,5.4b
NEIC V 01 14 21 13.0–1.0 59.77N–.10 136.68W–.10 10–1 5.7L,5.7b
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 01 14 24 16.3–1.1 59.78N–.03 136.71W–.03 8–12 30 0-3
ANF V 01 14 24 16.5–.22 59.81N 136.75W 10–2 4.1L **¶611149805**
NEIC V 01 14 24 16.4–1.1 59.80N–.01 136.72W–.04 5–9 3.8L,3.6L
AEIC V 01 14 24 16.8–1.7 59.80N–.02 136.76W–.04 3–7 3.8L,3.6L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC V 01 14 26 06.9–1.1 59.79N–.03 136.69W–.03 18–7 21 0-3
NEIC V 01 14 26 06.7–.33 59.79N–.04 136.69W–.03 16–1 3.3L,3.0L **¶611149809**
ANF V 01 14 26 07.0–.29 59.80N 136.72W 16–2 3.3L,3.0L
AEIC V 01 14 26 07.3–.83 59.80N–.04 136.70W–.03 13–7 3.3L,3.0L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
AEIC V 01 14 26 43.6–1.2 59.79N–.05 136.70W–.03 10–7
NEIC V 01 14 26 42.6–1.7 59.74N–.05 136.61W–.04 10–2 3.3L,3.1L **¶611149812**
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 01 14 27 37.4–1.1 59.81N–.02 136.71W–.02 4–10 46 0-5
ANF V 01 14 27 37.1–.23 59.79N 136.71W 5–2 4.3L **¶611149815**
AEIC V 01 14 27 37.5–1.4 59.79N–.04 136.71W–.04 1–6 4.3L
NEIC V 01 14 27 38.3–2.0 59.82N–.03 136.69W–.04 10–2 3.7L,3.4L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 01 14 29 54.5–.98 59.88N–.02 136.66W–.02 9–10 61 0-3
AEIC V 01 14 29 54.8–1.1 59.87N–.03 136.70W–.04 9–7 **¶611149819**
ANF V 01 14 29 54.5–.18 59.88N 136.68W 6–1 3.7L
NEIC V 01 14 29 54.3–.74 59.86N–.03 136.64W–.03 10–9 3.4L,3.2L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 01 14 31 09.8–.00 59.81N–.02 136.73W–.02 9–10 52 0-3
NEIC V 01 14 31 09.5–.89 59.84N–.03 136.72W–.04 7–9 3.4L,3.1L **¶611149820**
ANF V 01 14 31 09.6–.18 59.81N 136.74W 9–2 3.7L,3.1L
AEIC V 01 14 31 10.0–1.1 59.81N–.02 136.73W–.04 3–7 3.7L,3.1L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC V 01 14 33 51.1–1.1 59.79N–.02 136.73W–.02 2–10 81 0-5
ANF V 01 14 33 50.8–.18 59.82N 136.76W 6–1 3.8L **¶611149824**
NEIC V 01 14 33 51.1–.91 59.75N–.05 136.72W–.08 5–8 3.7L,3.4L
AEIC V 01 14 33 51.3–1.8 59.79N–.05 136.73W–.03 6–3 3.7L,3.4L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC V 01 14 34 34.8–.98 59.81N–.02 136.72W–.02 11–11 32 0-3
ANF V 01 14 34 34.6–.34 59.81N 136.72W 0–3 3.7L **¶611149827**
NEIC V 01 14 34 34.2–1.3 59.84N–.02 136.73W–.03 6–9 3.7L,3.1L
AEIC V 01 14 34 35.1–1.1 59.79N–.03 136.73W–.02 6–6 3.7L,3.1L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC V 01 14 35 39.8–1.0 59.80N–.02 136.66W–.02 4–9 208 0-13
ANF V 01 14 35 39.6–.15 59.80N 136.72W 7–1 4.3L **¶611149828**
AEIC V 01 14 35 40.2–1.9 59.78N–.03 136.66W–.07 6–6 4.3L
PGC V 01 14 35 40.8–.01 59.79N 136.70W 2–0 4.2L,3.9L
NEIC V 01 14 35 40.3–1.4 59.74N–.04 136.61W–.08 4–5 4.0L,3.9L
ISC Event type ke.
AEIC Event type se. hypocenter. manual.
PGC Event type ke. 112km Wnw of Haines, Ak Southeastern Alaska.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 01 14 59 11.6–.43 59.78N–.03 136.63W–.03 10 4.0b 239 0-146
AEIC V 01 14 59 09.4–1.7 59.82N–.04 136.60W–.04 10–4 4.0b **¶616918749**
ANF V 01 14 59 10.1–.25 59.79N 136.62W 0–2 5.0L,4.9L
NEIC V 01 14 59 10.9–1.3 59.75N–.04 136.61W–.08 10–1 4.8L,4.8b
IDC V 01 14 59 11.1–1.0 59.82N 136.93W 0 3.9,3.9b
ISC Event type se.
AEIC Event type se. Error ellipse: s-maj=6.3km s-min=5.0km az=64.0. hypocenter. manual.
ANF Error ellipse: s-maj=2.0km s-min=1.2km az=52.0.
NEIC Event type se. Error ellipse: s-maj=7.3km s-min=6.0km az=224.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=22.8km s-min=13.0km az=32.0.
ISC V 01 14 59 21.0–.87 59.81N–.02 136.57W–.02 7–5 5.4s,4.8b 400 0-146
MOS V 01 14 59 20.9–1.0 59.81N 136.93W 16 5.0b,4.8b **¶610589741**
IDC V 01 14 59 20.8–.54 59.86N 136.77W 0 4.4,4.4b
PGC V 01 14 59 21.9–.03 59.79N 136.59W 1 4.8L,4.4b
NEIC V 01 14 59 21.9 59.79N 136.58W 9 4.8L,4.4b
NEIC V 01 14 59 22.4–1.6 59.80N–.04 136.65W–.08 12–4 5.0,4.9b
ISC Event type ke.
PGC Event type ke. 107km Wnw of Haines, Ak Southeastern Alaska.
NEIC Event type se. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}2.10 $M_{\theta\theta}$-0.34
$M_{\phi\phi}$-2.17 $M_{r\theta}$1.79 $M_{\theta\phi}$0.76 $M_{\phi r}$-2.94 NP1:ϕ_s151.00000°,δ73.00000°,λ84.00000°. NP2:
ϕ_s350.00000°,δ17.00000°,λ108.00000°. Principal axes: T 4.1215,Plg61.0000°,Azm52.0000°
; N 0.0109,Plg5.0000°,Azm152.0000°; P -4.1324,Plg28.0000°,Azm245.0000°
$M_0$4.10000×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 01 14 59 50.7–.46 59.77N–.03 136.64W–.03 10 4.4b 57 0-146
IDC V 01 14 59 49.8–1.9 59.88N 136.90W 0 4.1,4.1b **¶610689317**
ANF V 01 14 59 49.6–.26 59.80N 136.58W 0 4.7L,4.1b
NEIC V 01 14 59 50.8–1.4 59.77N–.02 136.58W–.05 11–4 4.9b,4.8L
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 01 15 01 20.8–1.2 59.85N–.03 136.64W–.03 1–9 4.0b 48 0-146
NEIC V 01 15 01 20.9–2.8 59.87N–.03 136.63W–.04 10–2 4.1L,3.8L **¶610689319**
ANF V 01 15 01 21.6–.19 59.78N 136.69W 8–2 4.2L,3.8L
AEIC V 01 15 01 21.7–2.6 59.78N–.03 136.66W–.04 2–7 4.2L,3.8L
IDC V 01 15 01 22.2–1.0 60.05N 136.46W 0 3.9,3.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=6.0km s-min=3.1km az=197.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ANF Error ellipse: s-maj=1.9km s-min=1.2km az=50.0.
AEIC Event type se. Error ellipse: s-maj=4.8km s-min=2.6km az=190.0. hypocenter. manual.
IDC Error ellipse: s-maj=24.8km s-min=19.6km az=8.0.
ISC V 01 15 02 43.1–.99 59.79N–.03 136.69W–.03 11–11 27 0-5
ANF V 01 15 02 42.9–.26 59.80N 136.70W 8–3 3.5L **¶611149838**
NEIC V 01 15 02 42.9–.69 59.79N–.02 136.66W–.03 7–9 3.6L,3.1L
AEIC V 01 15 02 43.2–.88 59.80N–.03 136.66W–.03 10–7 3.6L,3.1L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC V 01 15 03 36.4–1.0 59.77N–.03 136.64W–.03 11–13 17 0-2
ANF V 01 15 03 35.7–.22 59.77N 136.63W 18–2 2.8L **¶611149841**
AEIC V 01 15 03 36.2–1.1 59.79N–.03 136.62W–.04 4–7 2.8L
NEIC V 01 15 03 36.1–.95 59.76N–.03 136.64W–.03 10–2 3.1L,3.0L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 01 15 04 05.0–1.1 59.81N–.02 136.58W–.03 10–11 30 0-4
ANF V 01 15 04 04.9–.17 59.80N 136.59W 9–2 3.9L **¶611149844**
NEIC V 01 15 04 04.6–1.4 59.82N–.05 136.60W–.01 10–2 3.7L,3.3L
AEIC V 01 15 04 05.0–.94 59.81N–.04 136.57W–.04 10–7 3.7L,3.3L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC V 01 15 21 47.3–.93 59.86N–.02 136.70W–.01 9–6 3.9b 405 0-90
AEIC V 01 15 21 46.8–1.4 59.83N–.03 136.70W–.07 6–5 3.9b **¶610589742**
IDC V 01 15 21 47.1–.71 59.92N 136.63W 0 3.9L,3.8
NEIC V 01 15 21 47.1–1.2 59.84N–.03 136.70W–.06 10–1 4.6L,4.4L
PGC V 01 15 21 47.4–.02 59.84N 136.71W 7–0 4.6L,4.3L
ISC Event type ke.
AEIC Event type se. Error ellipse: s-maj=6.6km s-min=2.6km az=45.0. hypocenter. manual.
IDC Error ellipse: s-maj=14.9km s-min=7.4km az=39.0.
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=3.0km az=227.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PGC Event type ke. 111km southeast of Haines Jct., Yt Southeastern Alaska.
NEIC V 01 15 23 42.6–.43 59.79N–.03 136.67W–.03 12–9 3.6L,3.2L
AEIC V 01 15 23 43.0–.64 59.76N–.04 136.69W–.03 14–7 3.6L,3.2L **¶611149852**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC V 01 15 23 53.9–1.1 59.89N–.02 136.71W–.02 4–10 41 0-7
ANF V 01 15 23 53.8–.28 59.87N 136.70W 6–3 3.8L **¶611149855**
AEIC V 01 15 23 54.3–1.4 59.88N–.02 136.70W–.04 2–7 3.8L
NEIC V 01 15 23 54.6–2.7 59.90N–.02 136.69W–.03 10–1 3.7L,3.4L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC V 01 15 32 43.1–1.0 59.87N–.03 136.60W–.04 10–9 2.6L,2.5L
AEIC V 01 15 32 44.2–1.7 59.79N–.03 136.61W–.03 5–7 2.6L,2.5L **¶611149860**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC V 01 15 35 25.2–1.1 59.77N–.02 136.62W–.02 4–9 145 0-21
NEIC V 01 15 35 26.5–1.2 59.83N–.04 136.66W–.05 7–7 4.1L,4.0L **¶611149867**
ANF V 01 15 35 26.2–.33 59.80N 136.70W 0–4 4.3L,4.0L
AEIC V 01 15 35 26.4–1.1 59.79N–.04 136.67W–.06 6–6 4.3L,4.0L
PGC V 01 15 35 27.4–.03 59.79N 136.70W 1 4.1L,3.8L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=6.1km s-min=1.9km az=211.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ANF Error ellipse: s-maj=2.5km s-min=1.9km az=75.0.
AEIC Event type se. Error ellipse: s-maj=7.0km s-min=2.4km az=218.0. hypocenter. manual.
PGC Event type ke. 112km Wnw of Haines, Ak Southeastern Alaska.
ISC V 01 15 50 31.9–.98 59.85N–.02 136.64W–.02 7–6 4.0b 404 0-146
IDC V 01 15 50 31.4–.68 59.77N 136.67W 0 3.8,3.8b **¶610589746**
NEIC V 01 15 50 31.9–1.1 59.76N–.03 136.66W–.07 4–5 4.1L,4.1b
AEIC V 01 15 50 31.6–1.5 59.83N–.03 136.66W–.07 1–4 4.1L,4.1b
PGC V 01 15 50 32.5–.01 59.84N 136.67W 3–0 4.3b,4.1L
ISC Event type ke.
IDC Error ellipse: s-maj=14.6km s-min=8.2km az=36.0.
NEIC Event type se. Error ellipse: s-maj=5.0km s-min=4.7km az=120.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=6.0km s-min=3.1km az=54.0. hypocenter. manual.
PGC Event type ke. 112km southeast of Haines Jct., Yt Southeastern Alaska.
ISC V 01 16 10 36.4–1.1 59.35N–.03 137.20W–.02 10–9 79 0-9
ANF V 01 16 10 35.9–.27 59.33N 137.25W 6–2 3.7L **¶610589747**
AEIC V 01 16 10 37.0–.81 59.35N–.04 137.19W–.06 13–5 3.7L
NEIC V 01 16 10 36.5–.74 59.37N–.04 137.17W–.06 10–7 3.4L,3.3L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 01 17 03 08.7–1.2 59.82N–.05 136.75W–.05 24–15 15 0-2
¶616087764
ISC Event type ke.
ISC V 01 17 10 10.2–1.1 59.78N–.02 136.71W–.02 3–9 150 0-13
ANF V 01 17 10 09.7–.23 59.79N 136.71W 4–2 3.9L **¶611149892**
AEIC V 01 17 10 09.8–1.8 59.80N–.04 136.67W–.06 1–6 3.9L
NEIC V 01 17 10 10.5–.91 59.70N–.03 136.70W–.06 6–6 3.7L,3.5L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 01 18 15 47.6–1.1 59.88N–.04 136.78W–.03 18–4 19 0-2
¶616087778
ISC Event type ke.
ANF V 01 18 25 18.5–.27 59.80N 136.67W 7–2 3.4L,2.1L
¶617229465
ANF Error ellipse: s-maj=1.8km s-min=1.5km az=170.0.
ISC V 01 18 26 13.6–1.0 59.86N–.01 136.63W–.01 6–9 196 0-8
ANF V 01 18 26 14.1–.17 59.85N 136.71W 7–1 **¶611149900**
AEIC V 01 18 26 14.5–1.8 59.81N–.05 136.64W–.08 8–7
NEIC V 01 18 26 14.8–1.3 59.79N–.04 136.77W–.08 4–9 3.2L,3.1L
PGC V 01 18 26 15.0 59.85N 136.66W 4–0 3.2L,3.1L
ISC Event type se.
ANF Error ellipse: s-maj=1.4km s-min=0.9km az=42.0.

AEIC Event type se. Error ellipse: s-maj=7.9km s-min=5.5km az=207.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=7.8km s-min=3.1km az=220.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PGC Event type ke. 111km southeast of Haines Jct., Yt Southeastern Alaska.
ISC V 01 18 30 39.9–.42 59.82N–.02 136.68W–.02 10 3.9b,3.2s 411 0-150
ANF V 01 18 30 38.4–.22 59.83N 136.64W 1–1 4.5L,3.2s **¶610589758**
AEIC V 01 18 30 38.9–2.2 59.83N–.04 136.64W–.08 5–5 4.5L,3.2s
IDC V 01 18 30 38.8–.59 59.84N 136.55W 0 3.8,3.8b
PGC V 01 18 30 39.4–.01 59.84N 136.65W 4–0 4.3L,3.9L
NEIC V 01 18 30 40.2–1.8 59.80N–.04 136.66W–.08 10–1 4.3L,4.1L
ISC Event type ke.
AEIC Event type se. hypocenter. manual.
PGC Event type ke. 112km southeast of Haines Jct., Yt Southeastern Alaska.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 01 18 35 54.5–1.0 59.78N–.01 136.60W–.02 4–9 178 0-9
ANF V 01 18 35 54.0–.17 59.78N 136.61W 4–1 3.5L **¶611149901**
AEIC V 01 18 35 54.2–2.2 59.79N–.05 136.58W–.08 0–6 3.5L
NEIC V 01 18 35 54.7–2.3 59.77N–.04 136.65W–.07 1–8 3.3L,3.2L
PGC V 01 18 35 55.0 59.78N 136.59W 7–0 3.3L,3.1L
ISC Event type ke.
ANF Error ellipse: s-maj=1.3km s-min=0.9km az=47.0.
AEIC Event type se. Error ellipse: s-maj=6.9km s-min=5.3km az=198.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=7.0km s-min=3.2km az=219.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PGC Event type ke. 107km Wnw of Haines, Ak Southeastern Alaska.
ISC V 01 18 53 42.1–1.2 59.87N–.03 136.72W–.03 4–11 20 0-2
¶616087781
ISC Event type ke.
ISC V 01 20 15 36.0–1.1 59.75N–.02 136.63W–.02 3–10 119 0-10
ANF V 01 20 15 35.9–.22 59.78N 136.64W 1–2 3.5L **¶610689338**
NEIC V 01 20 15 36.5–1.2 59.71N–.05 136.63W–.09 5–9 3.7L,3.3L
AEIC V 01 20 15 36.3–1.5 59.77N–.05 136.62W–.08 0–7 3.7L,3.3L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC V 01 20 16 32.4–.47 59.75N–.02 136.69W–.02 10 3.6b,3.5s 229 0-90
IDC V 01 20 16 30.8–.77 59.52N 136.75W 0 3.7L,3.6 **¶611149907**
ANF V 01 20 16 31.7–.23 59.79N 136.70W 3–2 4.1L,3.6
AEIC V 01 20 16 32.4–2.0 59.80N–.05 136.63W–.08 5–6 4.1L,3.6
NEIC V 01 20 16 32.3–1.8 59.74N–.03 136.71W–.07 1–7 3.8L,3.6L
PGC V 01 20 16 32.9–.01 59.78N 136.70W 1–0 4.1L,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=13.9km s-min=7.7km az=33.0.
ANF Error ellipse: s-maj=1.9km s-min=1.5km az=54.0.
AEIC Event type se. Error ellipse: s-maj=7.4km s-min=5.1km az=202.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=5.4km s-min=4.6km az=58.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PGC Event type ke. 111km Wnw of Haines, Ak Southeastern Alaska.
ISC V 01 20 40 32.3–1.1 59.73N–.02 136.61W–.02 3–8 3.4b 207 0-81
IDC V 01 20 40 29.6–1.1 59.31N 136.88W 0 3.5,3.5L **¶610590159**
AEIC V 01 20 40 32.4–2.0 59.79N–.04 136.54W–.06 0–6 3.5,3.5L
ANF V 01 20 40 32.4–.21 59.78N 136.61W 2–2 4.1L,3.5L
NEIC V 01 20 40 33.6–1.1 59.69N–.04 136.54W–.04 10–6 3.8L,3.6L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 01 20 48 46.3–.98 59.85N–.02 136.64W–.02 6–7 3.7b 333 0-146
AEIC V 01 20 48 45.8–1.9 59.84N–.03 136.64W–.08 2–5 3.7b **¶610669457**
ANF V 01 20 48 45.5–.22 59.81N 136.65W 2–1 4.3L
NEIC V 01 20 48 46.3 59.83N 136.61W 4 4.3L
NEIC V 01 20 48 46.5–2.3 59.77N–.04 136.60W–.04 8–6 3.9L,3.8L
PGC V 01 20 48 46.6–.02 59.84N 136.65W 5–0 4.1L,3.8L
IDC V 01 20 48 46.1–.66 59.86N 136.59W 0 3.9L,3.7
ISC Event type ke.
AEIC Event type se. Error ellipse: s-maj=5.9km s-min=4.4km az=95.0. hypocenter. manual.
ANF Error ellipse: s-maj=1.4km s-min=0.9km az=35.0.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=6.2km s-min=2.1km az=155.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}3.84 $M_{\theta\theta}$0.06 $M_{\phi\phi}$-3.90 $M_{r\theta}$0.91 $M_{\theta\phi}$2.67
$M_{\phi r}$-2.95 NP1:ϕ_s323.04000°,δ28.78000°,λ74.44000°. NP2:ϕ_s160.66000°,δ62.37000°
,λ98.38000°. Principal axes: T 4.8375,Plg71.0000°,Azm90.0000°; N 1.3340,Plg7.0000°
,Azm337.0000°; P -6.1715,Plg17.0000°,Azm244.0000° $M_0$5.62000×10^{14}
PGC Event type ke. 112km southeast of Haines Jct., Yt Southeastern Alaska.
IDC Error ellipse: s-maj=12.5km s-min=8.2km az=41.0.
ISC V 02 00 12 45.4–1.2 59.80N–.02 136.69W–.02 1–11 51 0-4
AEIC V 02 00 12 45.7–3.1 59.81N–.01 136.65W–.04 9–5 **¶611149920**
ANF V 02 00 12 45.7–.41 59.80N 136.69W 0 3.1L
NEIC V 02 00 12 46.0–1.9 59.78N–.03 136.68W–.04 6–7 2.8L,2.5L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 02 00 19 35.2–.94 59.83N–.03 136.69W–.05 10 13 0-2
¶616087785
ISC Event type ke.
ISC V 02 00 22 40.3–1.1 59.84N–.02 136.66W–.02 4–9 170 0-7
ANF V 02 00 22 40.3–.29 59.79N 136.70W 0 3.5L **¶610590172**
AEIC V 02 00 22 40.4–2.3 59.84N–.01 136.66W–.03 4–4 3.5L
NEIC V 02 00 22 41.0–2.6 59.808N–.01 136.72W–.03 10–2 3.4L,3.2L
PGC V 02 00 22 41.2–.02 59.81N 136.71W 3–0 3.4L,3.4L
ISC Event type ke.
ANF Error ellipse: s-maj=3.6km s-min=2.4km az=60.0.
AEIC Event type se. Error ellipse: s-maj=2.3km s-min=1.6km az=221.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=3.0km s-min=2.7km az=228.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PGC Event type ke. 113km southeast of Haines Jct., Yt Southeastern Alaska.
ISC V 02 00 30 18.6–1.0 59.81N–.02 136.67W–.02 6–9 192 0-8
NEIC V 02 00 30 18.8–2.3 59.81N–.01 136.67W–.03 7–7 3.6L,3.5L **¶611149922**
AEIC V 02 00 30 18.3–1.9 59.81N–.01 136.64W–.03 4–6 3.6L,3.5L
ANF V 02 00 30 18.2–.25 59.77N 136.68W 0 3.8L,3.5L
PGC V 02 00 30 19.4–.01 59.79N 136.70W 3–0 3.6L,3.5L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=2.6km s-min=1.7km az=52.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=2.6km s-min=1.7km az=53.0. hypocenter. manual.
ANF Error ellipse: s-maj=3.0km s-min=2.2km az=43.0.
PGC Event type ke. 112km Wnw of Haines, Ak Southeastern Alaska.
ISC V 02 01 05 31.4–1.1 59.80N–.02 136.75W–.02 2–10 124 0-8
AEIC V 02 01 05 31.6–1.4 59.80N–.03 136.74W–.07 5–6 **¶611149924**
ANF V 02 01 05 31.3–.20 59.78N 136.72W 0 3.9L
NEIC V 02 01 05 31.4–1.3 59.78N–.02 136.75W–.05 1–8 3.7L,3.5L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 02 01 17 46.4–1.0 59.84N–.03 136.65W–.03 11–11 27 0-4
¶616087795
ISC Event type ke.
NEIC V 02 02 14 43.9–.72 59.68N–.04 136.66W–.04 3–3 2.9L,2.7L
AEIC V 02 02 14 43.5–2.2 59.76N–.04 136.63W–.03 0–7 2.9L,2.7L **¶611149927**

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC V 02 03 37 29.3–.77 59.77N–.02 136.68W–.02 10 105 0-7
ANF V 02 03 37 28.7–.38 59.78N 136.66W 0 3.7L **¶611149934**
NEIC V 02 03 37 29.2–1.0 59.75N–.02 136.69W–.09 3–7 3.4L,3.2L
AEIC V 02 03 37 29.0–1.9 59.81N–.05 136.69W–.02 5–7 3.4L,3.2L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC V 02 05 41 46.2–1.0 59.80N–.02 136.57W–.02 5–8 235 0-24
ANF V 02 05 41 45.6–.32 59.78N 136.56W 0–3 4.0L **¶610689368**
NEIC V 02 05 41 46.6–1.6 59.77N–.03 136.61W–.06 2–7 4.0L,3.8L
PGC V 02 05 41 46.8–.01 59.78N 136.55W 2–0 4.0L,3.5L
AEIC V 02 05 41 46.6–2.8 59.80N–.02 136.54W–.08 10–4 4.0L,3.5L
IDC V 02 05 41 47.5–1.6 59.91N 136.51W 0 3.3b,3.2
ISC Event type ke.
ANF Error ellipse: s-maj=2.4km s-min=1.8km az=47.0.
NEIC Event type se. Error ellipse: s-maj=5.4km s-min=3.4km az=225.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PGC Event type ke. 105km Wnw of Haines, Ak Southeastern Alaska.
AEIC Event type se. Error ellipse: s-maj=5.5km s-min=3.1km az=85.0. hypocenter. manual.
IDC Error ellipse: s-maj=22.9km s-min=14.1km az=26.0.
ISC V 02 06 04 20.5–.90 59.82N–.02 136.71W–.02 12–7 3.5b 257 0-24
ANF V 02 06 04 19.6–.29 59.80N 136.72W 2–2 4.2L **¶610689369**
IDC V 02 06 04 19.6–.93 59.75N 136.65W 0 3.5,3.5L
AEIC V 02 06 04 19.4–1.7 59.79N–.04 136.70W–.04 2–7 3.5,3.5L
PGC V 02 06 04 20.4–.01 59.80N 136.70W 5–0 4.0L,3.6L
NEIC V 02 06 04 20.4–2.0 59.82N–.03 136.72W–.07 7–7 4.0L,3.9L
ISC Event type ke.
AEIC Event type se. hypocenter. manual.
PGC Event type ke. 113km Wnw of Haines, Ak Southeastern Alaska.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 02 08 09 29.5–.98 59.81N–.02 136.75W–.02 7–7 3.6b 321 0-61
NEIC V 02 08 09 29.7–2.5 59.80N–.02 136.79W–.04 1–5 4.1L,3.9L **¶610689376**
PGC V 02 08 09 29.7–.01 59.80N 136.74W 3–0 4.1L,3.8L
ANF V 02 08 09 29.0–.29 59.78N 136.77W 6–2 4.2L,3.8L
AEIC V 02 08 09 29.4–2.7 59.80N–.02 136.74W–.03 8–3 4.2L,3.8L
IDC V 02 08 09 29.4–.84 59.80N 136.58W 0 3.5,3.5b
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=3.0km s-min=2.7km az=195.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PGC Event type ke. 114km Wnw of Haines, Ak Southeastern Alaska.
ANF Error ellipse: s-maj=2.0km s-min=1.5km az=56.0.
AEIC Event type se. Error ellipse: s-maj=3.3km s-min=2.2km az=191.0. hypocenter. manual.
IDC Error ellipse: s-maj=13.5km s-min=8.3km az=51.0.
ANF V 02 10 15 11.3–.29 59.80N 136.65W 0 3.7L,3.5L
¶616984840
ANF Error ellipse: s-maj=2.9km s-min=2.2km az=85.0.
ISC V 02 10 15 27.2–1.2 59.76N–.02 136.66W–.02 0–10 126 0-13
ANF V 02 10 15 27.8–.45 59.79N 136.66W 0 **¶611149946**
NEIC V 02 10 15 27.8–1.3 59.74N–.04 136.66W–.07 4–7 3.3L,3.2L
AEIC V 02 10 15 27.5–1.7 59.79N–.03 136.66W–.07 3–6 3.3L,3.2L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC V 02 12 34 58.1–.97 59.81N–.02 136.76W–.01 9–7 3.6b 372 0-32
ANF V 02 12 34 57.6–.29 59.79N 136.74W 0 4.2L **¶610689386**
AEIC V 02 12 34 57.7–1.9 59.79N–.01 136.76W–.03 4–2 4.2L
IDC V 02 12 34 57.6–.89 59.71N 136.73W 0 3.6L,3.5
PGC V 02 12 34 58.5–.01 59.80N 136.76W 5–0 4.1L,4.1L
NEIC V 02 12 34 58.5 59.77N 136.69W 10 4.1L,4.1L
NEIC V 02 12 34 58.7–2.0 59.78N–.02 136.83W–.03 10–1 4.1L,4.0L
ISC Event type ke.
AEIC Event type se. hypocenter. manual.
PGC Event type ke. 114km southeast of Haines Jct., Yt Southeastern Alaska.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}-0.45 $M_{\theta\theta}$3.65 $M_{\phi\phi}$-3.21 $M_{r\theta}$-1.08
$M_{\theta\phi}$4.80 $M_{\phi r}$0.94 NP1:ϕ_s198.45000°,δ77.09000°,λ-173.70000°. NP2:ϕ_s107.04000°
,δ83.86000°,λ-12.99000°. Principal axes: T 6.1648,Plg5.0000°,Azm153.0000°
; N -0.1704,Plg76.0000°,Azm262.0000°; P -5.9944,Plg14.0000°,Azm62.0000°
$M_0$6.08000×10^{14}
ISC V 02 12 36 45.5–.48 59.79N–.02 136.74W–.02 10 3.8b 223 0-146
AEIC V 02 12 36 44.4–2.1 59.78N–.02 136.69W–.03 1–3 3.8b **¶610689387**
ANF V 02 12 36 44.0–.22 59.78N 136.67W 2–2 4.3L
IDC V 02 12 36 45.7–.94 59.96N 136.87W 0 3.8,3.8L
NEIC V 02 12 36 45.3–2.7 59.77N–.02 136.77W–.03 10–1 4.1L,3.9L
PGC V 02 12 36 45.0–.01 59.78N 136.69W 1 4.1L,3.9L
ISC Event type ke.
AEIC Event type se. Error ellipse: s-maj=3.3km s-min=2.2km az=196.0. hypocenter. manual.
ANF Error ellipse: s-maj=1.7km s-min=1.3km az=60.0.
IDC Error ellipse: s-maj=17.9km s-min=13.6km az=40.0.
NEIC Event type se. Error ellipse: s-maj=3.7km s-min=2.5km az=190.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PGC Event type ke. 111km Wnw of Haines, Ak Southeastern Alaska.
ISC V 02 14 30 22.7–1.1 59.81N–.02 136.66W–.02 0–9 3.2b 135 0-69
AEIC V 02 14 30 22.8–1.5 59.81N–.04 136.65W–.07 4–6 3.2b **¶610689399**
ANF V 02 14 30 22.4–.33 59.81N 136.66W 0–3 3.8L
IDC V 02 14 30 23.8–1.1 59.69N 136.57W 0 3.2,3.2L
NEIC V 02 14 30 24.1–1.4 59.77N–.03 136.68W–.07 10–1 3.4L,3.2L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 02 17 46 42.0–.98 59.84N–.02 136.63W–.02 8–6 4.0b 373 0-146
IDC V 02 17 46 38.8–.92 59.51N 136.97W 0 4.0,4.0b **¶610594138**
ANF V 02 17 46 41.9–.19 59.81N 136.63W 0 4.5L,4.0b
AEIC V 02 17 46 42.2–1.3 59.81N–.02 136.68W–.04 6–4 4.5L,4.0b
NEIC V 02 17 46 43.0–1.4 59.81N–.02 136.65W–.03 10–1 4.4L,4.2L
PGC V 02 17 46 42.8–.01 59.82N 136.66W 4–0 4.4L,4.0L
NEIC V 02 17 46 43 59.79N 136.70W 10 4.4L,4.0L
ISC Event type ke.
IDC Error ellipse: s-maj=22.1km s-min=8.4km az=29.0.
ANF Error ellipse: s-maj=2.4km s-min=1.7km az=56.0.
AEIC Event type se. Error ellipse: s-maj=3.3km s-min=2.4km az=218.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=3.6km s-min=2.9km az=29.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}8.53 $M_{\theta\theta}$-5.24 $M_{\phi\phi}$-3.29 $M_{r\theta}$1.97 $M_{\theta\phi}$4.39
$M_{\phi r}$-1.46 NP1:ϕ_s128.13000°,δ52.92000°,λ89.23000°. NP2:ϕ_s309.41000°,δ37.09000°
,λ91.02000°. Principal axes: T 8.8712,Plg82.0000°,Azm34.0000°; N 0.2321,Plg1.0000°
,Azm129.0000°; P -9.1033,Plg8.0000°,Azm219.0000° $M_0$8.99000×10^{14}
PGC Event type ke. 113km Wnw of Haines, Ak Southeastern Alaska.
NEIC Event type se.
NEIC V 02 18 11 13.7–1.1 59.79N–.02 136.62W–.04 6–7 2.5L,2.3L
AEIC V 02 18 11 14.4–1.0 59.79N–.02 136.72W–.04 6–6 2.5L,2.3L **¶611149958**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC V 03 00 09 40.5–1.0 59.80N–.01 136.55W–.01 6–9 236 0-10
AEIC V 03 00 09 40.6–2.1 59.79N–.02 136.55W–.03 3–4 **¶611149969**
ANF V 03 00 09 40.2–.25 59.78N 136.58W 2–2 3.5L
PGC V 03 00 09 41.4–.01 59.79N 136.54W 3–0 3.2L,3.0L

NEIC V 03 00 09 41.5–2.5 59.73N–.02 136.66W–.03 10–1 3.2L,3.1L
ISC Event type ke.
AEIC Event type se. hypocenter. manual.
PGC Event type ke. 105km Wnw of Haines, Ak Southeastern Alaska.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 03 02 49 24.7–1.0 59.75N–.02 136.79W–.01 3–9 237 0-11
ANF V 03 02 49 24.2–.19 59.79N 136.76W 4–1 3.5L **¶610593982**
AEIC V 03 02 49 24.6–1.7 59.78N–.02 136.72W–.03 4–3 3.5L
PGC V 03 02 49 25.4–.01 59.79N 136.73W 1 3.3L,3.2L
NEIC V 03 02 49 25.6–2.3 59.69N–.02 136.86W–.03 10–1 3.3L,3.2L
ISC Event type ke.
AEIC Event type se. hypocenter. manual.
PGC Event type ke. 113km Wnw of Haines, Ak Southeastern Alaska.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 03 07 31 19.6–.57 59.82N–.01 136.63W–.01 10 3.3b 275 0-69
AEIC V 03 07 31 18.9–2.1 59.79N–.03 136.64W–.06 0–6 3.3b **¶610689458**
ANF V 03 07 31 19.8–.18 59.77N 136.64W 0 4.0L
PGC V 03 07 31 19.8–.01 59.79N 136.64W 1 4.0L,3.8L
IDC V 03 07 31 19.4–1.0 59.82N 136.56W 0 3.5,3.4L
NEIC V 03 07 31 19.2–2.1 59.79N–.03 136.65W–.06 4–2 4.0L,3.7L
ISC Event type ke.
AEIC Event type se. hypocenter. manual.
PGC Event type ke. 109km Wnw of Haines, Ak Southeastern Alaska.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 03 07 34 09.6–1.1 59.78N–.02 136.66W–.01 2–9 177 0-7
ANF V 03 07 34 09.4–.17 59.78N 136.66W 7–1 3.8L **¶611149978**
AEIC V 03 07 34 09.9–1.5 59.79N–.02 136.66W–.04 5–6 3.8L
PGC V 03 07 34 10.6–.01 59.78N 136.63W 1–0 3.7L,3.5L
NEIC V 03 07 34 10.5–1.6 59.77N–.02 136.70W–.05 6–7 3.7L,3.5L
ISC Event type ke.
AEIC Event type se. hypocenter. manual.
PGC Event type ke. 108km Wnw of Haines, Ak Southeastern Alaska.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 03 11 20 47.4–.91 59.81N–.02 136.71W–.01 11–7 235 0-24
ANF V 03 11 20 46.8–.18 59.80N 136.72W 4–1 4.0L **¶610593259**
PGC V 03 11 20 47.9–.02 59.79N 136.72W 2–0 3.8L,3.8L
AEIC V 03 11 20 47.1–3.3 59.79N–.04 136.72W–.06 0–6 3.8L,3.8L
IDC V 03 11 20 48.4–1.4 59.79N 136.84W 0 3.3b,3.1
NEIC V 03 11 20 48.2–3.0 59.77N–.03 136.76W–.06 2–7 3.7L,3.6L
NEIC V 03 11 20 49 59.72N 136.50W 11 3.7L,3.6L
ISC Event type ke.
ANF Error ellipse: s-maj=1.4km s-min=1.1km az=48.0.
PGC Event type ke. 113km Wnw of Haines, Ak Southeastern Alaska.
AEIC Event type se. Error ellipse: s-maj=6.3km s-min=2.4km az=215.0. hypocenter. manual.
IDC Error ellipse: s-maj=22.0km s-min=13.3km az=20.0.
NEIC Event type se. Error ellipse: s-maj=5.9km s-min=2.4km az=217.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}0.71 $M_{\theta\theta}$-0.02 $M_{\phi\phi}$-0.69 $M_{r\theta}$-1.31 $M_{\theta\phi}$1.97 $M_{\phi r}$-0.30 NP1:ϕ_s180.00000°,δ56.00000°,λ162.00000°. NP2: ϕ_s280.00000°,δ75.00000°,λ35.00000°. Principal axes: T 2.4871,Plg35.0000°,Azm145.0000° ; N -0.0010,Plg52.0000°,Azm300.0000°; P -2.4861,Plg12.0000°,Azm46.0000° $M_0$2.48000×10^{14}
ISC V 04 03 13 44.5–.56 59.82N–.02 136.69W–.02 5–3 4.6b,3.8s 785 0-146
AEIC V 04 03 13 43.5–1.4 59.79N–.01 136.67W–.04 1–4 4.6b,3.8s **¶610593992**
NEIC V 04 03 13 43.9 59.82N 136.67W 9 4.6b,3.8s
PGC V 04 03 13 43.9–.01 59.82N 136.67W 2–0 4.8L,4.7W
IDC V 04 03 13 44.3–.49 59.88N 136.89W 0 4.2,4.2b
ANF V 04 03 13 44.2–.13 59.80N 136.64W 0 5.0L,4.2b
MOS V 04 03 13 44.3–.90 59.79N 136.82W 12 4.7b,4.2b
NEIC V 04 03 13 45.9 59.84N 136.74W 3 4.7b,4.2b
NEIC V 04 03 13 45.4–1.5 59.803N–.01 136.68W–.06 10–1 4.8L,4.7
ISC Event type ke.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}1.00 $M_{\theta\theta}$-0.60 $M_{\phi\phi}$-1.06 $M_{r\theta}$-0.11 $M_{\theta\phi}$0.79 $M_{\phi r}$0.86 NP1:ϕ_s340.00000°,δ62.00000°,λ108.00000°. NP2: ϕ_s125.00000°,δ33.00000°,λ60.00000°. Principal axes: T 1.5487,Plg68.0000°,Azm285.0000° ; N 0.0906,Plg16.0000°,Azm151.0000°; P -1.6392,Plg15.0000°,Azm57.0000° $M_0$1.60000×10^{16}
PGC Event type ke. 113km Wnw of Haines, Ak Southeastern Alaska.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}5.71 $M_{\theta\theta}$-2.45 $M_{\phi\phi}$-3.26 $M_{r\theta}$2.12 $M_{\theta\phi}$5.73 $M_{\phi r}$1.77 NP1:ϕ_s344.65000°,δ52.32000°,λ131.22000°. NP2:ϕ_s109.55000°,δ53.47000° ,λ49.53000°. Principal axes: T 7.3946,Plg59.0000°,Azm318.0000°; N 1.2021,Plg31.0000° ,Azm136.0000°; P -8.5967,Plg1.0000°,Azm227.0000° $M_0$8.06000×10^{15}
NEIC V 04 03 19 32.0–1.3 59.80N–.01 136.67W–.01 13–4 2.8L,2.5L
AEIC V 04 03 19 32.2–1.4 59.81N–.01 136.69W–.02 1–6 2.8L,2.5L **¶611150013**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC V 04 03 30 13.1–1.1 59.80N–.02 136.72W–.02 0–7 4.1b,3.1s 382 0-146
ANF V 04 03 30 12.8–.13 59.77N 136.68W 0 4.3L,3.1s **¶610669470**
IDC V 04 03 30 13.3–.72 59.84N 136.82W 0 4.0b,3.9
NEIC V 04 03 30 13.1–1.4 59.79N–.01 136.71W–.03 1–3 4.1L,4.1L
AEIC V 04 03 30 13–1.7 59.80N–.02 136.67W–.03 5–3 4.1L,4.1L
PGC V 04 03 30 13.6–.01 59.79N 136.70W 1–0 4.1L,4.0L
ISC Event type ke.
ANF Error ellipse: s-maj=1.7km s-min=1.2km az=53.0.
IDC Error ellipse: s-maj=14.8km s-min=10.2km az=34.0.
NEIC Event type se. Error ellipse: s-maj=2.3km s-min=1.7km az=69.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=2.8km s-min=2.0km az=223.0. hypocenter. manual.
PGC Event type ke. 112km Wnw of Haines, Ak Southeastern Alaska.
ANF V 04 03 43 20.9–.25 59.81N 136.73W 8–3 4.2L,4.0L
¶617126439
ANF Error ellipse: s-maj=2.3km s-min=1.7km az=56.0.
ISC V 04 03 43 43.0–1.1 59.79N–.02 136.71W–.02 0–8 3.6b 325 0-94
ANF V 04 03 43 42.9–.15 59.77N 136.67W 0 3.6b **¶610689520**
PGC V 04 03 43 43.4 59.80N 136.64W 0–0 4.1L,4.0L
NEIC V 04 03 43 43.1–1.6 59.78N–.02 136.71W–.04 2–6 4.0L,4.0L
AEIC V 04 03 43 43.2–1.4 59.76N–.02 136.65W–.05 5–5 4.0L,4.0L
IDC V 04 03 43 43.3–.81 59.77N 136.62W 0 3.7L,3.5
ISC Event type ke.
ANF Error ellipse: s-maj=2.2km s-min=1.5km az=37.0.
PGC Event type ke. 111km Wnw of Haines, Ak Southeastern Alaska.
NEIC Event type se. Error ellipse: s-maj=3.1km s-min=2.3km az=216.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=4.4km s-min=1.8km az=52.0. hypocenter. manual.
IDC Error ellipse: s-maj=14.5km s-min=8.9km az=41.0.
ISC V 04 06 53 35.1–1.0 59.80N–.02 136.73W–.01 5–9 215 0-8
ANF V 04 06 53 34.7–.19 59.79N 136.75W 6–1 3.5L **¶611150024**
AEIC V 04 06 53 35.2–1.7 59.81N–.02 136.70W–.04 5–6 3.5L
PGC V 04 06 53 35.7–.01 59.79N 136.72W 1 3.2L,3.2L
NEIC V 04 06 53 35.3–1.5 59.80N–.02 136.71W–.03 2–8 3.2L,3.2L
ISC Event type ke.
AEIC Event type se. hypocenter. manual.
PGC Event type ke. 113km Wnw of Haines, Ak Southeastern Alaska.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 04 18 53 32.1–1.0 59.81N–.02 136.71W–.02 6–9 130 0-6
ANF V 04 18 53 31.8–.21 59.80N 136.75W 4–2 3.6L **¶611150049**
AEIC V 04 18 53 32.0–1.2 59.803N–.01 136.71W–.04 4–6 3.6L
NEIC V 04 18 53 32.5–1.1 59.80N–.02 136.71W–.03 8–7 3.3L,3.1L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 05 05 21 31.5–.43 59.82N–.01 136.62W–.01 10 4.3b 343 0-150
IDC V 05 05 21 30.7–.80 59.74N 136.64W 0 4.2,4.2b **¶610598543**
NEIC V 05 05 21 30.8–1.5 59.80N–.02 136.63W–.03 4–5 4.4L,4.3b
AEIC V 05 05 21 30.9–1.6 59.82N–.02 136.60W–.05 4–5 4.4L,4.3b
NEIC V 05 05 21 30.9 59.83N 136.65W 3 4.4L,4.3b
PGC V 05 05 21 31.3 59.82N 136.65W 1–0 4.4L,4.3b
ISC Event type ke.
IDC Error ellipse: s-maj=19.4km s-min=10.7km az=30.0.
NEIC Event type se. Error ellipse: s-maj=4.2km s-min=0.6km az=216.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}8.27 $M_{\theta\theta}$-4.43 $M_{\phi\phi}$-3.84 $M_{r\theta}$-1.55 $M_{\theta\phi}$6.31 $M_{\phi r}$-0.42 NP1:ϕ_s302.04000°,δ48.76000°,λ73.89000°. NP2:ϕ_s145.71000°,δ43.74000° ,λ107.57000°. Principal axes: T 8.5990,Plg78.0000°,Azm145.0000°; N 1.8849,Plg12.0000° ,Azm313.0000°; P -10.4839,Plg3.0000°,Azm43.0000° $M_0$9.68000×10^{14}
AEIC Event type se. Error ellipse: s-maj=4.5km s-min=2.3km az=51.0. hypocenter. manual.
NEIC Event type se.
PGC Event type ke. 112km Wnw of Haines, Ak Southeastern Alaska.
ISC V 05 11 19 30.8–.72 59.72N–.02 136.64W–.02 10 125 0-5
AEIC V 05 11 19 30.3–2.5 59.77N–.02 136.64W–.03 1–3 **¶610617919**
PGC V 05 11 19 31.1 59.78N 136.58W 1 2.5L
NEIC V 05 11 19 31.0–3.1 59.67N–.02 136.67W–.03 10–1 2.7L,2.5L
ISC Event type ke.
AEIC Event type se. hypocenter. manual.
PGC Event type ke. 106km Wnw of Haines, Ak Southeastern Alaska.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PGC V 05 11 20 27.3 59.80N 136.64W 1 2.6L
¶612417866
PGC Event type ke. 110km Wnw of Haines, Ak Southeastern Alaska.
ISC V 05 15 24 41.8–1.0 59.81N–.01 136.74W–.01 4–9 257 0-10
AEIC V 05 15 24 41.8–1.9 59.80N–.03 136.74W–.07 4–6 **¶611150073**
ANF V 05 15 24 41.6–.21 59.78N 136.75W 2–2 3.7L
NEIC V 05 15 24 42.4–1.7 59.79N–.02 136.72W–.06 7–7 3.4L,3.3L
PGC V 05 15 24 42.3 59.80N 136.74W 3–0 3.6L,3.3L
ISC Event type ke.
AEIC Event type se. Error ellipse: s-maj=5.3km s-min=3.1km az=119.0. hypocenter. manual.
ANF Error ellipse: s-maj=1.7km s-min=1.1km az=46.0.
NEIC Event type se. Error ellipse: s-maj=4.1km s-min=3.1km az=106.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PGC Event type ke. 114km Wnw of Haines, Ak Southeastern Alaska.
ISC V 05 22 47 54.2–1.0 59.85N–.01 136.69W–.02 6–8 296 0-31
IDC V 05 22 47 53.8–1.1 59.78N 136.59W 0 3.6L,3.3 **¶610689630**
ANF V 05 22 47 53.9–.23 59.83N 136.70W 5–2 4.0L,3.3
PGC V 05 22 47 54.6 59.87N 136.69W 4–0 3.7L,3.6L
AEIC V 05 22 47 54.1–2.3 59.85N–.02 136.68W–.04 6–6 3.7L,3.6L
NEIC V 05 22 47 55.3–2.1 59.83N–.02 136.66W–.05 10–1 3.7L,3.6L
ISC Event type ke.
PGC Event type ke. 108km southeast of Haines Jct., Yt Southeastern Alaska.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 06 05 50 17.6–1.1 59.88N–.02 136.72W–.02 3–9 3.1b 277 0-42
NEIC V 06 05 50 18.0–1.2 59.88N–.03 136.71W–.07 4–6 3.7L,3.6L **¶610689648**
AEIC V 06 05 50 17.6–1.4 59.90N–.03 136.71W–.06 4–5 3.7L,3.6L
IDC V 06 05 50 17.7–1.1 59.80N 136.73W 0 3.5L,3.4
NEIC V 06 05 50 17.8 59.87N 136.70W 2 3.5L,3.4
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=6.2km s-min=2.7km az=52.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}1.30 $M_{\theta\theta}$-1.68 $M_{\phi\phi}$0.38 $M_{r\theta}$0.01 $M_{r\phi}$2.43 $M_{\phi r}$1.80 NP1:ϕ_s341.11000°,δ72.76000°,λ140.67000°. NP2:ϕ_s84.76000°,δ52.75000° ,λ21.86000°. Principal axes: T 3.2532,Plg40.0000°,Azm296.0000°; N 0.2569,Plg48.0000° ,Azm141.0000°; P -3.5101,Plg13.0000°,Azm37.0000° $M_0$3.39000×10^{14}
AEIC Event type se. Error ellipse: s-maj=5.3km s-min=3.1km az=223.0. hypocenter. manual.
IDC Error ellipse: s-maj=18.8km s-min=10.0km az=33.0.
NEIC Event type se.
ISC V 08 00 16 06.5–.99 59.84N–.02 136.61W–.02 7–8 221 0-24
ANF V 08 00 16 06.1–.23 59.82N 136.62W 2–2 3.8L **¶610689764**
AEIC V 08 00 16 06.3–2.6 59.82N–.02 136.63W–.07 3–7 3.8L
NEIC V 08 00 16 06.5–2.4 59.83N–.02 136.58W–.07 1–9 3.5L,3.3L
PGC V 08 00 16 07.1–.01 59.83N 136.62W 2–0 3.6L,3.5L
IDC V 08 00 16 07.0–1.2 59.73N 136.56W 0 3.3,3.2L
ISC Event type ke.
ANF Error ellipse: s-maj=1.6km s-min=1.2km az=60.0.
AEIC Event type se. Error ellipse: s-maj=5.3km s-min=2.9km az=111.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=5.2km s-min=1.3km az=115.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PGC Event type ke. 112km Wnw of Haines, Ak Southeastern Alaska.
IDC Error ellipse: s-maj=16.2km s-min=10.6km az=25.0.
ISC V 08 04 38 03.4–.86 59.86N–.02 136.66W–.02 15–6 294 0-13
ANF V 08 04 38 03.0–.20 59.84N 136.73W 7–1 3.7L **¶611150152**
PGC V 08 04 38 04.0 59.85N 136.69W 9–0 3.5L,3.3L
AEIC V 08 04 38 03.2–1.8 59.84N–.02 136.71W–.03 6–4 3.5L,3.3L
NEIC V 08 04 38 03.8–1.9 59.84N–.02 136.76W–.03 10–1 3.5L,3.3L
ISC Event type ke.
PGC Event type ke. 110km southeast of Haines Jct., Yt Southeastern Alaska.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 14 00 13 10.5–.87 59.81N–.01 136.70W–.01 12–7 3.4b 352 0-74
AEIC V 14 00 13 09.8–1.6 59.79N–.01 136.69W–.03 2–3 3.4b **¶610690224**
ANF V 14 00 13 09.6–.20 59.78N 136.73W 4–1 3.8L
IDC V 14 00 13 10.6–1.1 59.88N 136.66W 0 3.4,3.4L
PGC V 14 00 13 10.6–.01 59.80N 136.71W 5–0 3.7L,3.6L
NEIC V 14 00 13 10.4–1.8 59.77N–.01 136.70W–.03 5–1 3.7L,3.7b
ISC Event type ke.
AEIC Event type se. hypocenter. manual.
PGC Event type ke. 113km Wnw of Haines, Ak Southeastern Alaska.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 15 08 00 17.1–.99 59.80N–.02 136.59W–.01 6–8 228 0-24
AEIC V 15 08 00 17.6–1.9 59.77N–.03 136.59W–.08 5–7 **¶610690324**
ANF V 15 08 00 17.0–.22 59.78N 136.62W 4–2 3.7L
IDC V 15 08 00 18.2–1.2 59.61N 136.52W 0 3.2,3.2L
PGC V 15 08 00 18.0–.01 59.78N 136.61W 1 3.5L,3.5L
NEIC V 15 08 00 18.5–2.4 59.77N–.03 136.66W–.08 10–2 3.5L,3.3L
ISC Event type ke.
AEIC Event type se. hypocenter. manual.
PGC Event type ke. 108km Wnw of Haines, Ak Southeastern Alaska.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 21 19 33 39.3–.94 59.78N–.01 136.60W–.01 6–6 4.0b,3.0s 503 0-146
IDC V 21 19 33 38.6–.61 59.81N 136.62W 0 3.9,3.9b **¶610646091**
AEIC V 21 19 33 38.9–1.8 59.77N–.01 136.58W–.03 3–2 3.9,3.9b
NEIC V 21 19 33 39.6–2.2 59.77N–.01 136.67W–.02 5–1 4.4L,4.3L
PGC V 21 19 33 39.6–.01 59.77N 136.59W 5 4.5W,4.4L
NEIC V 21 19 33 39.1 59.74N 136.57W 5 4.5W,4.4L
ISC Event type ke.
IDC Error ellipse: s-maj=13.6km s-min=8.5km az=39.0.
AEIC Event type se. Error ellipse: s-maj=2.2km s-min=1.8km az=209.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=2.5km s-min=2.4km az=178.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}0.70 $M_{\theta\theta}$0.24 $M_{\phi\phi}$-0.95 $M_{r\theta}$0.26 $M_{\theta\phi}$0.13

$M_{\phi r}$0.43 NP1:ϕ_s15.46000°,δ62.03000°,λ115.88000°. NP2:ϕ_s149.49000°,δ37.38000° ,λ50.58000°. Principal axes: T 0.9292,Plg63.0000°,Azm329.0000°; N 0.1296,Plg23.0000° ,Azm183.0000°; P -1.0588,Plg13.0000°,Azm87.0000° $M_0$1.00000$\times10^{15}$
PGC Event type ke. 106km Wnw of Haines, Ak Southeastern Alaska.
NEIC Event type se.
ISC V 22 03 13 27.8–.64 59.82N–.02 136.65W–.01 10 303 0-13
AEIC V 22 03 13 26.8–1.8 59.82N–.01 136.61W–.03 2–3 ¶611150852
PGC V 22 03 13 27.8–.01 59.83N 136.63W 4–0 3.5L,3.3L
NEIC V 22 03 13 28.1–2.0 59.80N–.01 136.66W–.03 10–1 3.5L,3.3L
ISC Event type ke.
AEIC Event type se. hypocenter. manual.
PGC Event type ke. 112km Wnw of Haines, Ak Southeastern Alaska.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 22 17 55 04.8–1.6 58.38N–.05 137.40W–.04 2–11 58 1-8
NEIC V 22 17 55 07.1–2.0 58.39N–.06 137.5W–.10 13–7 ¶611150860
AEIC V 22 17 55 07.2–3.6 58.40N–.02 137.45W–.07 0–6 2.5L,2.3L
PGC V 22 17 55 11.7–3.5 58.51N 137.07W 5 2.6L,2.3L
ISC Event type ke.
NEIC Error ellipse: s-maj=11.9km s-min=3.4km az=220.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Error ellipse: s-maj=6.1km s-min=1.9km az=61.0. hypocenter. manual.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.6km az=-1.0. 125km Wsw of Haines, Ak Southeastern Alaska.
ISC V 22 23 15 14.2–1.2 57.70N–.03 132.49W–.02 6–11 97 1-6
NEIC V 22 23 15 14.0–2.4 57.71N–.02 132.56W–.03 5–1 2.7L,2.7L ¶611150863
PGC V 22 23 15 14.4–.48 57.78N 132.52W 1 2.7L,2.7L
AEIC V 22 23 15 15.0–2.4 57.78N–.02 132.53W–.03 2–3 2.7L,2.7L
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PGC Event type ke. 126km Ese of Juneau, Ak Southeastern Alaska.
AEIC Event type se. hypocenter. manual.
ISC V 27 04 40 07.3–1.1 59.62N–.02 138.68W–.02 4–10 254 0-10
ANF V 27 04 40 07.1–.20 59.62N 138.68W 0 3.5L ¶610654887
AEIC V 27 04 40 07.5–1.0 59.61N–.04 138.71W–.09 3–7 3.3L,3.3L
PGC V 27 04 40 08.2–.15 59.61N 138.70W 1 3.3L,3.1L
NEIC V 27 04 40 08.3–1.1 59.64N–.03 138.75W–.08 6–7 3.3L,3.1L
ISC Event type ke.
AEIC Event type se. hypocenter. manual.
PGC Event type ke. 57km Ene of Yakutat, Ak Southeastern Alaska.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 29 05 45 51.0–1.0 59.80N–.02 136.56W–.02 4–9 193 0-7
NEIC V 29 05 45 51.5–1.6 59.78N–.02 136.57W–.02 7–8 3.5L,3.4L ¶610655462
AEIC V 29 05 45 51.4–2.9 59.73N–.02 136.55W–.05 21–7 3.5L,3.4L
PGC V 29 05 45 52.3 59.78N 136.58W 2–0 3.5L,3.2L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=3.0km s-min=1.0km az=195.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=4.4km s-min=1.2km az=60.0. hypocenter. manual.
PGC Event type ke. 106km Wnw of Haines, Ak Southeastern Alaska.
ISC VI 02 05 47 57.5–1.7 55.34N–.03 134.75W–.07 1–12 48 1-5
NEIC VI 02 05 47 58.0–2.6 55.39N–.02 134.97W–.05 10–1 ¶610662453
AEIC VI 02 05 47 58.7–2.6 55.34N–.02 135.04W–.08 24–8 2.8L,2.6L
OTT VI 02 05 48 02.1–4.0 55.29N–.02 134.57W–.06 5–1 2.8L,2.6L
PGC VI 02 05 48 02.1–1.9 55.29N 134.57W 5 2.8L,2.6L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=5.2km s-min=3.0km az=264.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=6.5km s-min=1.7km az=74.0. hypocenter. manual.
OTT Event type se. Error ellipse: s-maj=5.4km s-min=2.8km az=269.0. hypocenter. manual.
PGC Event type ke. 201km Sse of Sitka, Ak Southeastern Alaska.
ISC VI 02 06 52 23.8–2.4 55.39N–.04 134.75W–.08 11–16 33 1-3
NEIC VI 02 06 52 22.1–2.5 55.31N–.02 135.14W–.08 12–6 ¶611150954
AEIC VI 02 06 52 24.8–2.8 55.40N–.02 134.84W–.06 24–7 2.5L,2.3L
PGC VI 02 06 52 30.8–.08 55.17N 134.47W 5 2.5L,2.3L
OTT VI 02 06 52 30.8–7.2 55.17N–.02 134.47W–.07 5–1 2.5L,2.3L
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
PGC Event type ke. 196km Wnw of Masset, Bc Southeastern Alaska.
OTT Event type se. hypocenter. manual.
ISC VI 06 00 12 03.6–.98 59.18N–.02 136.28W–.02 8–8 310 0-11
ANF VI 06 00 12 03.1–.20 59.17N 136.30W 3–1 3.9L ¶610664101
AEIC VI 06 00 12 03.3–1.5 59.14N–.02 136.32W–.03 5–3 3.6L,3.6L
NEIC VI 06 00 12 03.3 59.14N 136.32W 5 3.6L,3.6L
NEIC VI 06 00 12 03.8–1.8 59.12N–.02 136.32W–.04 10–1 3.6L,3.6L
OTT VI 06 00 12 04.2–1.4 59.19N–.02 136.31W–.03 8–2 3.6L,3.6L
PGC VI 06 00 12 04.2–.10 59.19N 136.31W 9–0 3.7L,3.5L
ISC Event type ke.
ANF Error ellipse: s-maj=1.6km s-min=1.1km az=61.0.
AEIC Event type se. Error ellipse: s-maj=2.4km s-min=1.8km az=216.0. hypocenter. manual.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=3.6km s-min=2.6km az=234.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}2.50 $M_{\theta\theta}$-1.84 $M_{\phi\phi}$-0.66 $M_{r\theta}$-0.44 $M_{\theta\phi}$1.10 $M_{\phi r}$-0.10 NP1:ϕ_s294.09000°,δ49.15000°,λ81.00000°. NP2:ϕ_s127.70000°,δ41.66000° ,λ100.25000°. Principal axes: T 2.5616,Plg82.0000°,Azm149.0000°; N -0.0447,Plg7.0000° ,Azm300.0000°; P -2.5168,Plg4.0000°,Azm30.0000° $M_0$2.54000$\times10^{14}$
OTT Event type se. Error ellipse: s-maj=2.2km s-min=1.8km az=209.0. hypocenter. manual.
PGC Event type ke. 62km west of Haines, Ak Southeastern Alaska.
ISC VI 06 04 05 44.6–.68 59.73N–.02 136.53W–.01 10 217 0-9
ANF VI 06 04 05 43.9–.25 59.76N 136.53W 2–2 3.5L ¶610664105
NEIC VI 06 04 05 45.0–1.1 59.70N–.05 136.54W–.05 8–9 3.2L,3.2L
PGC VI 06 04 05 45.2–.01 59.77N 136.54W 5–0 3.3L,3.2L
OTT VI 06 04 05 45.0 59.77N 136.54W 5 3.3L,3.2L
AEIC VI 06 04 05 46.1–1.6 59.70N–.04 136.40W–.09 8–7 3.3L,3.2L
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PGC Event type ke. 104km Wnw of Haines, Ak Southeastern Alaska.
AEIC Event type se. hypocenter. manual.
ISC VI 22 01 35 08.6–.42 59.74N–.02 136.51W–.02 10 3.8b,3.1s 459 0-146
ANF VI 22 01 35 07.1–.12 59.77N 136.52W 0 4.2L,3.1s ¶610693461
IDC VI 22 01 35 07.6–.71 59.75N 136.59W 0 3.9L,3.8
PGC VI 22 01 35 07.8 59.77N 136.53W 1 4.6W,4.2L
AEIC VI 22 01 35 08.0–1.7 59.75N–.02 136.51W–.03 8–4 4.6W,4.2L
OTT VI 22 01 35 07.8–1.7 59.77N–.02 136.53W–.03 1–3 4.6W,4.2L
NEIC VI 22 01 35 08.7–2.1 59.78N–.02 136.56W–.03 3–5 4.2L,4.0b
ISC Event type ke.
PGC Event type ke. 103km Wnw of Haines, Ak Southeastern Alaska.
AEIC Event type se. hypocenter. manual.
OTT Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 27 19 47 12.9–.90 59.77N–.02 136.60W–.01 15–7 269 0-9
ANF VI 27 19 47 12.5–.32 59.78N 136.62W 0–3 3.5L ¶610696885
NEIC VI 27 19 47 13.0–1.0 59.75N–.02 136.61W–.03 4–7 3.4L,3.2L
AEIC VI 27 19 47 12.9–1.2 59.76N–.02 136.62W–.02 3–5 3.4L,3.2L
OTT VI 27 19 47 13.7–1.1 59.76N–.02 136.60W–.05 3–6 3.4L,3.2L
PGC VI 27 19 47 13.7 59.76N 136.60W 3–0 3.4L,3.2L
ISC Event type ke.
ANF Error ellipse: s-maj=1.8km s-min=1.4km az=46.0.
NEIC Event type se. Error ellipse: s-maj=3.3km s-min=2.0km az=200.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=2.5km s-min=1.2km az=155.0. hypocenter. manual.
OTT Event type se. Error ellipse: s-maj=4.1km s-min=2.3km az=222.0. hypocenter. manual.
PGC Event type ke. 106km Wnw of Haines, Ak Southeastern Alaska.

(20) Off coast of southeastern Alaska.

ANF I 01 16 33 55.4–.95 55.10N 138.19W 0 3.7L ¶612453713
ANF Error ellipse: s-maj=9.5km s-min=5.2km az=37.0.

(22) Queen Charlotte Islands region.

ISC III 14 09 10 43.1–1.9 54.48N–.04 133.81W–.08 24–15 27 0-77
NEIC III 14 09 10 40.3–1.7 54.55N–.02 133.99W–.07 8–4 2.7L,2.7L ¶610329049
PGC III 14 09 10 42.6–.19 54.45N 133.92W 23–2 2.7L,2.7L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=5.9km s-min=2.4km az=87.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0. 124km Wnw of Masset, Bc Haida Gwaii Region.
PGC III 26 15 13 10.7–17 51.02N 130.56W 10 3.5W,2.8 ¶612417036
PGC Event type ke. Error ellipse: s-maj=3.3km s-min=2.1km az=-1.0. 210km Wsw of Bella Bella, Bc Haida Gwaii Region.
ISC III 29 17 59 59.6–.80 52.92N–.03 132.53W–.04 4–4 4.1b,3.7s 189 0-94
IDC III 29 17 59 58.1–1.4 52.69N 132.66W 0 3.8,3.8b ¶610448497
NEIC III 29 18 00 00.8–1.7 52.90N–.06 132.41W–.08 10–1 4.1b,3.8b
ANF III 29 18 00 01.6–1.2 52.98N 132.99W 16–19 4.1L,3.8b
PGC III 29 18 00 01.2–1.2 52.99N 132.59W 27–0 4.1b,3.8L
ISC Event type ke.
IDC Error ellipse: s-maj=24.5km s-min=10.6km az=27.0.
NEIC Event type se. Error ellipse: s-maj=12.2km s-min=4.1km az=219.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ANF Error ellipse: s-maj=18.4km s-min=10.8km az=0.0.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 59km Wsw of Sandspit, Bc Haida Gwaii Region.

(23) British Columbia.

ISC II 18 14 40 38.1–1.2 50.77N–.02 124.46W–.02 5–9 4.1b 374 1-82
IDC II 18 14 40 37.8–.58 50.81N 124.52W 0 3.5,3.5b ¶610231530
NEIC II 18 14 40 38.8–3.0 50.78N–.02 124.41W–.03 8–4 4.1,4.0L
PGC II 18 14 40 38.1–.19 50.89N 124.39W 21–0 4.1L,4.1W
NEIC II 18 14 40 40.7 50.73N 124.66W 9 4.1L,4.1W
ISC Event type ke.
IDC Error ellipse: s-maj=11.8km s-min=5.4km az=41.0.
NEIC Event type se. Error ellipse: s-maj=2.4km s-min=2.2km az=74.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}-0.55 $M_{\theta\theta}$-2.23 $M_{\phi\phi}$2.78 $M_{r\theta}$-2.17 $M_{\theta\phi}$-6.87 $M_{\phi r}$2.88 NP1:ϕ_s278.19000°,δ76.42000°,λ164.07000°. NP2:ϕ_s12.02000°,δ74.53000° ,λ14.10000°. Principal axes: T 8.9521,Plg21.0000°,Azm235.0000°; N -1.9155,Plg69.0000° ,Azm59.0000°; P -7.0366,Plg1.0000°,Azm325.0000° $M_0$8.16000$\times10^{14}$
PGC Event type ke. 115km northeast of Powell R., Bc British Columbia, Canada.
NEIC Event type se. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-0.08 $M_{\theta\theta}$0.01 $M_{\phi\phi}$0.04 $M_{r\theta}$0.13 $M_{\theta\phi}$-0.07 $M_{\phi r}$0.00 NP1:ϕ_s285.00000°,δ75.00000°,λ-118.00000°. NP2: ϕ_s169.00000°,δ31.00000°,λ-29.00000°. Principal axes: T 0.1487,Plg25.0000°,Azm36.0000° ; N 0.0242,Plg27.0000°,Azm292.0000°; P -0.1729,Plg51.0000°,Azm162.0000° $M_0$1.60000$\times10^{15}$
NEIC VI 17 23 52 28.6–.76 49.02N–.02 122.23W–.03 15–2 2.2L,2.1L
SEA VI 17 23 52 29.4–2.4 49.05N–.02 122.19W–.02 7–5 2.2L,2.1L ¶611151060
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SEA Event type se. hypocenter. manual.

(24) Alberta.

IDC III 30 19 08 33.2–6.9 50.19N 114.42W 0 3.2L,3.1 ¶610460757
IDC Error ellipse: s-maj=91.8km s-min=50.1km az=58.0.
IDC III 31 22 21 27.1–2.2 50.11N 114.91W 0 3.4,3.0L ¶610544076
IDC Error ellipse: s-maj=41.8km s-min=8.2km az=114.0.
IDC IV 28 23 22 18.7–6.6 50.01N 114.60W 0 3.4,3.4L ¶610650264
IDC Error ellipse: s-maj=89.3km s-min=45.9km az=56.0.
PGC VI 25 22 56 34.3–.01 54.41N 117.43W 4–0 3.6L ¶612418762
PGC Event type ke. 175km Nne of Jasper, Alberta Alberta, Canada.

(25) Vancouver Island region.

ISC I 06 15 49 00.5–.69 50.16N–.03 130.02W–.03 15–3 4.9b,4.6s 828 1-155
BJI I 06 15 48 57.0–.00 50.30N 130.00W 10 5.3b,5.2s ¶610570465
IDC I 06 15 48 57.5–.58 50.01N 130.18W 0 4.6s,4.3
PGC I 06 15 48 59.7–.74 50.11N 130.06W 10 5.3W,5.1b
NEIC I 06 15 48 59.1–2.6 50.16N–.02 130.08W–.06 10–1 5.3,5.3
PGC I 06 15 49 00 50.24N 130.21W 8 5.3,5.3
GCMT I 06 15 49 03.1–.10 49.98N–.01 130.27W–.01 12–0 5.2W,5.3
NEIC I 06 15 49 06 50.08N 130.12W 18 5.2W,5.3
OTT I 06 15 49 59.7–.00 50.11N 130.06W 10 5.2W,5.3
ISC Event type ke.
IDC Error ellipse: s-maj=13.9km s-min=8.9km az=46.0.
PGC Event type ke. 198km Wsw of Pt. Hardy, Bc Vancouver Island, Canada Region.
NEIC Event type se. Error ellipse: s-maj=6.6km s-min=3.8km az=282.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-6.26 $M_{\theta\theta}$2.93 $M_{\phi\phi}$7.49 $M_{r\theta}$-2.10 $M_{\theta\phi}$3.43 $M_{\phi r}$-4.42 NP1:ϕ_s27.00000°,δ61.00000°,λ-92.00000°. NP2: ϕ_s210.00000°,δ29.00000°,λ-87.00000°. Principal axes: T 9.3490,Plg16.0000°,Azm118.0000° ; N -0.2908,Plg1.0000°,Azm27.0000°; P -9.0582,Plg74.0000°,Azm293.0000° $M_0$9.40000$\times10^{16}$
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s83,c118; s132,c246;Duration: 1s0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.79±.12 $M_{\theta\theta}$-4.35±.11; $M_{\phi\phi}$6.14±.12; $M_{r\theta}$0.62±.28; $M_{\theta\phi}$5.51±.11; $M_{\phi r}$-2.01±.29; Best double couple: NP1:ϕ_s339.00000°,δ86.00000°,λ-163.00000°. NP2:ϕ_s248.00000°,δ73.00000°,λ-4.00000°. Principal axes: T 8.7490,Plg9.0000° ,Azm112.0000°; N -1.6760,Plg73.0000°,Azm353.0000°; P -7.0740,Plg15.0000° ,Azm205.0000° $M_0$7.91100$\times10^{16}$
NEIC Event type se. Moment Tensor Solution.Duration: 13s8 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.39 $M_{\theta\theta}$-0.51 $M_{\phi\phi}$0.90 $M_{r\theta}$0.04 $M_{\theta\phi}$0.65 $M_{\phi r}$-0.03 NP1:ϕ_s246.00000°,δ84.00000° ,λ-5.00000°. NP2:ϕ_s337.00000°,δ85.00000°,λ-174.00000°. Principal axes: T 1.1576,Plg0.0000°,Azm111.0000°; N -0.3871,Plg82.0000°,Azm18.0000° ; P -0.7705,Plg8.0000°,Azm201.0000° $M_0$1.02000$\times10^{17}$
OTT Event type se. hypocenter. manual.
ISC I 06 16 05 25.0–2.8 50.16N–.07 130.07W–.06 8–19 32 1-58
PGC I 06 16 05 25.3–1.7 50.04N 130.19W 10 3.7W,3.0 ¶610236841
IDC I 06 16 05 25.5–2.7 50.06N 129.80N 0 3.2L,3.1
ISC Event type ke.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 209km Wsw of Pt. Hardy, Bc Vancouver Island, Canada Region.
IDC Error ellipse: s-maj=41.4km s-min=18.0km az=80.0.
ISC I 06 16 24 28.0–1.2 50.06N–.06 130.06W–.07 10 54 1-59
IDC I 06 16 24 25.3–3.1 49.88N 130.38W 0 3.5b,3.3 ¶610236842
PGC I 06 16 24 28.0–4.5 50.01N 130.11W 10 3.7W,3.1
ISC Event type ke.
IDC Error ellipse: s-maj=47.5km s-min=15.6km az=64.0.
PGC Event type ke. Error ellipse: s-maj=2.2km s-min=0.7km az=-1.0. 206km Wsw of Pt. Hardy, Bc Vancouver Island, Canada Region.
PGC I 06 16 40 59.6–1.0 50.02N 130.21W 10 3.8W,3.2 ¶612415139

PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 212km Wsw of Pt. Hardy, Bc Vancouver Island, Canada Region.
ISC I 06 16 42 15.2–1.4 50.17N–.05 129.97W–.04 8–8 4.4b 313 1-99
IDC I 06 16 42 13.6–.90 50.08N 130.11W 0 4.1b,3.9 **¶610038456**
OTT I 06 16 42 14–4.0 50.11N–.09 130.1W–.10 10–6 4.1b,3.9
PGC I 06 16 42 15.0–.96 50.11N 130.09W 10 4.3b,3.9W
NEIC I 06 16 42 15.2–2.8 50.39N–.09 129.9W–.10 10–2 4.3b,3.9
ISC Event type ke.
OTT Event type se. hypocenter. manual.
PGC Event type ke. 200km Wsw of Pt. Hardy, Bc Vancouver Island, Canada Region.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 06 16 52 22.6–.45 50.20N–.04 129.98W–.04 10 4.7b,4.0s 509 1-99
IDC I 06 16 52 20.5–.89 50.08N 130.22W 0 3.9s,3.9b **¶610038458**
PGC I 06 16 52 21.9–3.3 50.09N 130.09W 10 4.6b,4.6W
OTT I 06 16 52 21.9–2.3 50.09N–.10 130.1W–.20 10–8 4.6b,4.6W
NEIC I 06 16 52 21.9 50.09N 130.09W 8 4.6b,4.6W
NEIC I 06 16 52 22.8–2.7 50.25N–.06 129.88W–.09 10–1 4.6,4.6b
GCMT I 06 16 52 22.8–.40 50.02N–.03 130.35W–.04 16–2 4.7W,4.6b
ISC Event type ke.
PGC Event type ke. 201km Wsw of Pt. Hardy, Bc Vancouver Island, Canada Region.
OTT Event type se. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; Mrr-0.05 Mθθ-0.26 Mϕϕ0.72 Mrθ-0.40 Mθϕ0.69 Mϕr0.30 NP1:ϕs166.00000°,δ73.00000°,λ-154.00000°. NP2: ϕs68.00000°,δ65.00000°,λ-19.00000°. Principal axes: T 0.9482,Plg5.0000°,Azm296.0000° ; N 0.0954,Plg59.0000°,Azm198.0000°; P -1.0436,Plg30.0000°,Azm29.0000° M0$1.00000\times10^{16}$
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s14,c14; s72,c90;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr-0.04±.09 Mθθ-0.97±.08; Mϕϕ1.01±.08; Mrθ0.09±.22; Mθϕ1.13±.08; Mϕr-0.02±.20; Best double couple: NP1:ϕs249.00000°,δ88.00000°,λ-3.00000°. NP2:ϕs339.00000°,δ87.00000°,λ-178.00000°. Principal axes: T 1.5230,Plg1.0000° ,Azm294.0000°; N -0.0400,Plg86.0000°,Azm37.0000°; P -1.4850,Plg4.0000°,Azm204.0000° M0$1.50400\times10^{16}$
ISC I 06 17 04 02.0–1.2 50.11N–.07 129.96W–.06 12 41 1-80
IDC I 06 17 03 57.0–2.6 49.62N 130.09W 0 3.4b,3.3s **¶610236843**
PGC I 06 17 04 04.2–1.4 50.10N 129.99W 10 3.7W,3.1
ISC Event type ke.
IDC Error ellipse: s-maj=39.0km s-min=26.5km az=51.0.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 194km Wsw of Pt. Hardy, Bc Vancouver Island, Canada Region.
ISC I 06 17 55 57.2–1.1 49.97N–.07 130.11W–.07 10 3.4s 37 1-59
IDC I 06 17 55 58.1–2.2 50.00N 130.06W 0 3.5s,3.3 **¶610236845**
PGC I 06 17 55 59.3–4.9 49.98N 130.17W 10 3.8W,3.2
ISC Event type ke.
IDC Error ellipse: s-maj=33.0km s-min=13.1km az=71.0.
PGC Event type ke. Error ellipse: s-maj=2.2km s-min=0.7km az=-1.0. 211km Wsw of Pt. Hardy, Bc Vancouver Island, Canada Region.
ISC I 06 18 00 16.0–1.5 50.03N–.08 130.04W–.07 12 35 1-58
IDC I 06 18 00 13.5–4.6 49.79N 130.11W 0 3.5b,3.3L **¶610236846**
PGC I 06 18 00 18.1–4.9 50.06N 130.01W 10 3.7W,3.1
ISC Event type ke.
IDC Error ellipse: s-maj=64.4km s-min=23.6km az=55.0.
PGC Event type ke. Error ellipse: s-maj=2.2km s-min=0.7km az=-1.0. 197km Wsw of Pt. Hardy, Bc Vancouver Island, Canada Region.
ISC I 06 21 05 29.9–1.1 50.08N–.05 129.97W–.05 13–6 4.3b,3.8s 296 1-99
IDC I 06 21 05 27.9–1.1 50.05N 130.03W 0 3.9,3.9b **¶610038897**
OTT I 06 21 05 27.0–4.8 49.91N–.05 130.21W–.09 10–6 3.9,3.9b
PGC I 06 21 05 27.0–.88 49.91N 130.21W 10 4.4W,4.1b
NEIC I 06 21 05 27 49.90N 130.20W 7 4.4W,4.1b
NEIC I 06 21 05 31.0–1.8 50.28N–.05 129.78W–.09 10–2 4.4,4.1b
ISC Event type ke.
OTT Event type se. hypocenter. manual.
PGC Event type ke. 217km Wsw of Pt. Hardy, Bc Vancouver Island, Canada Region.
NEIC Event type se. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; Mrr0.02 Mθθ-0.15 Mϕϕ0.31 Mrθ0.17 Mθϕ0.07 Mϕr-0.34 NP1:ϕs330.00000°,δ87.00000°,λ-121.00000°. NP2: ϕs234.00000°,δ31.00000°,λ-7.00000°. Principal axes: T 0.4814,Plg34.0000°,Azm86.0000° ; N -0.0630,Plg31.0000°,Azm332.0000°; P -0.4184,Plg41.0000°,Azm212.0000° M0$4.60000\times10^{15}$
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PGC I 07 02 34 17.4–26 49.83N 130.34W 10 3.8W,3.2L
¶612415166
PGC Event type ke. Error ellipse: s-maj=4.4km s-min=2.2km az=-1.0. 229km Wsw of Pt. Hardy, Bc Vancouver Island, Canada Region.
ISC I 07 03 11 55.3–3.1 50.23N–.05 130.04W–.05 8–22 4.0b 87 1-58
OTT I 07 03 11 54.6–5.8 50.05N–.09 130.2W–.10 10–2 4.0b **¶610056666**
PGC I 07 03 11 54.6–2.8 50.05N 130.23W 10 4.2W,4.1W
NEIC I 07 03 11 57.6–1.7 50.52N–.07 129.92W–.07 10–2 4.2,4.0b
IDC I 07 03 11 57.8–2.1 50.22N 129.87W 0 3.8b,3.6
ISC Event type ke.
OTT Event type se. Error ellipse: s-maj=18.4km s-min=11.7km az=226.0. hypocenter. manual.
PGC Event type ke. Error ellipse: s-maj=2.2km s-min=0.7km az=-1.0. 212km Wsw of Pt. Hardy, Bc Vancouver Island, Canada Region.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=7.2km az=177.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=32.0km s-min=14.5km az=75.0.
ISC I 07 03 13 55.1–.55 50.15N–.04 130.05W–.04 16–2 5.2b,5.1s 1173 1-155
BJI I 07 03 13 50.5–.00 50.20N 130.10W 10 5.4b,5.4s **¶610049643**
IDC I 07 03 13 52.5–.50 50.05N 130.20W 0 5.0s,4.8
MOS I 07 03 13 53.6–.84 50.08N 130.26W 17 5.4b,4.9s
PGC I 07 03 13 54.6–.68 50.17N 130.11W 10 5.5W,4.9W
NEIC I 07 03 13 54.3–1.4 50.21N–.06 130.15W–.10 10–1 5.5,5.4
NEIC I 07 03 13 54 50.17N 130.11W 10 5.5,5.4
OTT I 07 03 13 54.9–1.4 50.26N–.06 130.07W–.09 10–1 5.5,5.4
GCMT I 07 03 13 55.3–.10 49.98N–.01 130.27W–.01 12 5.4W,5.4
BGR I 07 03 13 57.3 50.44N 131.58W 15 5.2b,4.9s
NEIC I 07 03 13 59 50.16N 130.07W 12 5.2b,4.9s
ISC Event type ke.
IDC Error ellipse: s-maj=12.2km s-min=8.4km az=46.0.
MOS Error ellipse: s-maj=8.7km s-min=3.9km az=98.1.
PGC Event type ke. 199km west of Pt. Hardy, Bc Vancouver Island, Canada Region.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=8.5km az=224.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; Mrr0.05 Mθθ-1.16 Mϕϕ1.12 Mrθ0.26 Mθϕ1.14 Mϕr-0.30 NP1:ϕs246.99000°,δ77.13000°,λ-3.55000°. NP2:ϕs337.78000°,δ86.54000° ,λ-167.11000°. Principal axes: T 1.6054,Plg7.0000°,Azm112.0000°; N 0.1011,Plg77.0000° ,Azm353.0000°; P -1.7066,Plg12.0000°,Azm203.0000° M0$1.66000\times10^{17}$
NEIC Event type se. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; Mrr-1.39 Mθθ0.47 Mϕϕ1.62 Mrθ-0.13 Mθϕ0.75 Mϕr-0.82 NP1:ϕs18.00000°,δ58.00000°,λ-99.00000°. NP2: ϕs215.00000°,δ33.00000°,λ-76.00000°. Principal axes: T 1.9343,Plg13.0000°,Azm115.0000° ; N -0.1034,Plg7.0000°,Azm23.0000°; P -1.8309,Plg75.0000°,Azm263.0000° M0$1.90000\times10^{17}$
OTT Event type se. Error ellipse: s-maj=12.5km s-min=7.9km az=221.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s110,c191; s138,c290;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; Mrr-0.59±.02 Mθθ-0.75±.02; Mϕϕ1.34±.02; Mrθ-0.06±.05; Mθϕ1.15±.02; Mϕr-0.45±.04; Best double couple: NP1:ϕs340.00000°,δ89.00000°,λ-165.00000°. NP2:ϕs249.00000°,δ75.00000°,λ-1.00000°. Principal axes: T 1.9240,Plg10.0000° ,Azm113.0000°; N -0.6380,Plg75.0000°,Azm343.0000°; P -1.2810,Plg11.0000° ,Azm205.0000° M0$1.60200\times10^{17}$
BGR Event type ke.
NEIC Event type se. Moment Tensor Solution.Duration: 10s0 Moment tensor: Scale 10^{17}Nm; Mrr-0.82 Mθθ-0.67 Mϕϕ1.48 Mrθ-0.16 Mθϕ1.12 Mϕr0.31 NP1:ϕs65.00000°,δ66.00000° ,λ-18.00000°. NP2:ϕs163.00000°,δ73.00000°,λ-154.00000°. Principal axes: T 1.9828,Plg5.0000°,Azm293.0000°; N -0.6841,Plg60.0000°,Azm195.0000° ; P -1.2988,Plg30.0000°,Azm25.0000° M0$1.74000\times10^{17}$
ISC I 07 03 17 40.5–.87 50.08N–.06 130.08W–.06 12 106 1-58
OTT I 07 03 17 39.5–3.3 50.03N–.08 130.1W–.10 10–2 **¶610521348**
PGC I 07 03 17 39.5–4.2 50.03N 130.12W 10 4.8W,3.8
NEIC I 07 03 17 39.6 50.02N 130.12W 9 4.8W,3.8
NEIC I 07 03 17 40.6–2.3 50.07N–.09 130.3W–.10 10–2 4.8,4.3b
IDC I 07 03 17 41.6–2.5 50.11N 129.79W 0 4.1,3.8b
GCMT I 07 03 17 43.3–.40 49.96N–.03 130.24W–.04 12 4.9W,3.8b
ISC Event type ke.
OTT Event type se. hypocenter. manual.
PGC Event type ke. 206km Wsw of Pt. Hardy, Bc Vancouver Island, Canada Region.
NEIC Event type se. Moment Tensor Solution. Moment tensor: Scale 10^{9}Nm; Mrr0.26 Mθθ-1.05 Mϕϕ1.29 Mrθ0.13 Mθϕ1.21 Mϕr-0.16 NP1:ϕs338.00000°,δ88.00000°,λ-174.00000°. NP2: ϕs248.00000°,δ84.00000°,λ-2.00000°. Principal axes: T 1.6440,Plg3.0000°,Azm113.0000° ; N 0.1053,Plg83.0000°,Azm352.0000°; P -1.7493,Plg6.0000°,Azm203.0000° M0$1.70000\times10^{9}$
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s7,c7; s73,c105;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr0.06±.16 Mθθ-1.81±.13; Mϕϕ1.75±.12; Mrθ-0.39±.43; Mθϕ1.85±.12; Mϕr-0.65±.36; Best double couple: NP1:ϕs249.00000°,δ81.00000°,λ13.00000°. NP2:ϕs157.00000°,δ77.00000°,λ170.00000°. Principal axes: T 2.7480,Plg16.0000° ,Azm113.0000°; N -0.1500,Plg74.0000°,Azm284.0000°; P -2.6020,Plg2.0000°,Azm23.0000° M0$2.67500\times10^{16}$
ISC I 07 03 23 57.2–.92 50.04N–.06 130.20W–.07 12 3.9b 83 1-27
NEIC I 07 03 23 57.0–1.7 50.01N–.08 130.1W–.10 10–2 4.6,3.7b **¶610570488**
PGC I 07 03 23 58.4–5.0 50.04N 130.27W 10 4.6W,4.0W
NEIC I 07 03 23 58.4 50.04N 130.27W 15 4.6W,4.0W
OTT I 07 03 23 58.4–2.2 50.04N–.08 130.3W–.10 10–2 4.6W,4.0W
IDC I 07 03 24 03.6–2.3 50.24N 129.61W 0 3.7b,3.5
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=15.9km s-min=11.5km az=225.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PGC Event type ke. Error ellipse: s-maj=2.2km s-min=0.7km az=-1.0. 215km Wsw of Pt. Hardy, Bc Vancouver Island, Canada Region.
NEIC Event type se. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; Mrr-0.04 Mθθ-0.68 Mϕϕ1.13 Mrθ0.01 Mθϕ0.16 Mϕr-0.05 NP1:ϕs140.00000°,δ89.00000°,λ178.00000°. NP2: ϕs230.00000°,δ88.00000°,λ1.00000°. Principal axes: T 1.0067,Plg2.0000°,Azm95.0000° ; N -0.1730,Plg87.0000°,Azm306.0000°; P -0.8337,Plg1.0000°,Azm185.0000° M0$9.50000\times10^{15}$
OTT Event type se. Error ellipse: s-maj=15.9km s-min=11.4km az=222.0. hypocenter. manual.
IDC Error ellipse: s-maj=33.2km s-min=12.9km az=72.0.
ISC I 07 05 31 42.0–1.1 50.11N–.06 129.98W–.07 10 4.2b,3.8s 56 1-96
PGC I 07 05 31 39.8–5.3 49.97N 130.15W 10 3.9W,3.9W **¶610236880**
IDC I 07 05 31 45.2–1.3 50.16N 129.51W 0 4.2b,3.9
ISC Event type ke.
PGC Event type ke. Error ellipse: s-maj=2.2km s-min=1.4km az=-1.0. 210km Wsw of Pt. Hardy, Bc Vancouver Island, Canada Region.
IDC Error ellipse: s-maj=21.4km s-min=10.9km az=67.0.
ISC I 07 06 32 37.6–.91 50.03N–.06 130.06W–.07 12 3.8s 111 1-99
NEIC I 07 06 32 36.5–2.2 50.08N–.08 130.2W–.10 10–2 4.6,4.1b **¶610570496**
OTT I 07 06 32 37.2–2.7 50.03N–.09 130.1W–.20 10–2 4.6,4.1b
NEIC I 07 06 32 37.2 50.03N 130.08W 8 4.6,4.1b
PGC I 07 06 32 37.2–7.7 50.03N 130.08W 10 4.6W,3.9W
IDC I 07 06 32 39.4–2.1 50.10N 129.76W 0 4.0b,3.8
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=13.7km s-min=10.5km az=215.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
OTT Event type se. Error ellipse: s-maj=20.4km s-min=10.8km az=229.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; Mrr0.41 Mθθ-0.68 Mϕϕ0.67 Mrθ-0.06 Mθϕ0.38 Mϕr-0.43 NP1:ϕs145.00000°,δ69.00000°,λ153.00000°. NP2: ϕs245.00000°,δ65.00000°,λ23.00000°. Principal axes: T 0.9242,Plg34.0000°,Azm104.0000° ; N -0.0056,Plg56.0000°,Azm290.0000°; P -0.9187,Plg3.0000°,Azm196.0000° M0$9.40000\times10^{15}$
PGC Event type ke. Error ellipse: s-maj=2.2km s-min=0.7km az=-1.0. 203km Wsw of Pt. Hardy, Bc Vancouver Island, Canada Region.
IDC Error ellipse: s-maj=33.2km s-min=13.5km az=73.0.
PGC I 07 06 37 11.3–13 50.00N 130.07W 10 3.7W,3.1
¶612415167
PGC Event type ke. Error ellipse: s-maj=4.4km s-min=0.7km az=-1.0. 203km Wsw of Pt. Hardy, Bc Vancouver Island, Canada Region.
ISC I 07 07 19 52.1–1.5 50.17N–.09 129.86W–.08 10 22 2-58
PGC I 07 07 19 49.1–9.4 49.95N 130.12W 10 3.7W,3.1 **¶610236882**
IDC I 07 07 19 53.1–3.4 50.15N 129.72W 0 3.7b,3.4s
ISC Event type ke.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=2.1km az=-1.0. 209km Wsw of Pt. Hardy, Bc Vancouver Island, Canada Region.
IDC Error ellipse: s-maj=45.7km s-min=20.6km az=76.0.
ISC I 07 13 03 21.6–.78 50.25N–.06 129.76W–.06 10 3.7b 42 1-79
PGC I 07 13 03 16.5–5.2 50.00N 130.22W 10 3.9W,3.9W **¶610236901**
IDC I 07 13 03 20.4–.96 50.24N 129.87W 0 3.7b,3.6
ISC Event type ke.
PGC Event type ke. Error ellipse: s-maj=2.2km s-min=0.7km az=-1.0. 213km Wsw of Pt. Hardy, Bc Vancouver Island, Canada Region.
IDC Error ellipse: s-maj=18.6km s-min=12.8km az=67.0.
PGC I 22 23 12 00.8–14 50.27N 130.21W 10 3.6W,2.9
¶612415531
PGC Event type ke. Error ellipse: s-maj=3.3km s-min=1.4km az=-1.0. 203km west of Pt. Hardy, Bc Vancouver Island, Canada Region.
PGC I 22 23 26 47.7–19 50.26N 130.22W 10 3.5W,2.9
¶612415532
PGC Event type ke. Error ellipse: s-maj=4.4km s-min=2.1km az=-1.0. 204km west of Pt. Hardy, Bc Vancouver Island, Canada Region.
ISC I 22 23 41 49.7–3.0 50.35N–.07 130.15W–.07 1–19 3.4s 39 1-90
PGC I 22 23 41 48.8–12 50.17N 130.33W 10 3.9W,3.2 **¶610133031**
IDC I 22 23 41 52.4–1.7 50.56N 130.27W 0 3.6b,3.4L
ISC Event type ke.
PGC Event type ke. Error ellipse: s-maj=3.3km s-min=1.4km az=-1.0. 214km west of Pt. Hardy, Bc Vancouver Island, Canada Region.
IDC Error ellipse: s-maj=23.4km s-min=15.5km az=63.0.
ISC I 24 13 44 00.4–.86 48.74N–.02 123.05W–.02 22–4 157 0-5
NEIC I 24 13 44 00.1–2.8 48.73N–.03 123.03W–.03 21–8 **¶610114462**
PGC I 24 13 44 00.9–.21 48.74N 123.03W 18–0 2.5L,2.1L
SEA I 24 13 44 01–1.7 48.73N–.03 123.02W–.02 18–2 2.5L,2.4L
PNSN I 24 13 44 01.0 48.73N 123.02W 18 2.5,2.4L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=4.5km s-min=3.3km az=184.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PGC Event type ke. 28km Ene of Sidney, Bc Vancouver Island, Canada Region.
SEA Event type se. Error ellipse: s-maj=3.8km s-min=2.1km az=166.0. hypocenter. manual.
PNSN Moment Tensor Solution. NP1:ϕs180.00000°,δ40.00000°,λ130.00000°.
NEIC I 25 22 36 02.7–.53 48.64N–.02 123.12W–.02 19–2
SEA I 25 22 36 08.3–1.0 48.62N–.01 123.12W–.02 11–4 2.0L,2.0L **¶610570802**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SEA Event type se. hypocenter. manual.
ISC I 30 02 27 51.7–.87 48.61N–.02 123.10W–.01 24–4 180 0-5
PGC I 30 02 27 52.8–.15 48.60N 123.10W 16–0 2.8L,2.4L **¶610147702**
SEA I 30 02 27 52.8–2.2 48.61N–.01 123.07W–.03 15–3 2.8L,2.7L
NEIC I 30 02 27 52.1–1.8 48.61N–.01 123.10W–.03 18–2 2.8L,2.7L
ISC Event type ke.
PGC Event type ke. 22km east of Sidney, Bc Vancouver Island, Canada Region.
SEA Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 30 11 03 16.3–.87 48.61N–.02 123.11W–.02 20–1 208 0-6
OTT I 30 11 03 16.6–2.3 48.61N–.02 123.10W–.03 17–3 **¶610147763**
PGC I 30 11 03 16.6–.31 48.61N 123.10W 17–0 3.1L,2.7L

SEA I 30 11 03 16.7–2.7 48.611N–.01 123.07W–.03 15–3 3.1L,2.9L
NEIC I 30 11 03 16.4–2.1 48.601N–.01 123.12W–.02 14–3 3.1L,2.9L
ISC Event type ke.
OTT Event type se. hypocenter. manual.
PGC Event type ke. 22km east of Sidney, Bc Vancouver Island, Canada Region.
SEA Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 31 01 38 27.3–1.3 49.77N–.03 127.82W–.04 11–8 3.7b 295 0-151
IDC I 31 01 38 27.8–.76 49.88N 127.51W 0 3.7,3.6b **¶610235768**
NEIC I 31 01 38 27.0–2.1 49.77N–.07 127.83W–.10 29–6 3.7,3.6b
PGC I 31 01 38 28.4–.01 49.77N 127.81W 41–0 3.7L,3.6b
OTT I 31 01 38 28–2.1 49.77N–.07 127.8W–.10 41–8 4.0b,3.7L
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PGC Event type ke. 107km Ssw of Pt. Hardy, Bc Vancouver Island, Canada Region.
OTT Event type se. hypocenter. manual.
ISC II 01 20 34 09.0–.86 48.62N–.02 123.09W–.02 23–4 140 0-3
NEIC II 01 20 34 09.2–1.3 48.61N–.02 123.10W–.02 20–2 **¶610172159**
OTT II 01 20 34 10.0–1.4 48.60N–.02 123.08W–.02 14–2
SEA II 01 20 34 10.1–1.4 48.601N–.01 123.07W–.03 14–3 2.8L,2.7L
PGC II 01 20 34 10.0–.30 48.60N 123.08W 14–0 2.8L,2.5L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=3.1km s-min=1.6km az=141.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
OTT Event type se. Error ellipse: s-maj=2.8km s-min=1.6km az=210.0. hypocenter. manual.
SEA Event type se. Error ellipse: s-maj=2.4km s-min=1.1km az=84.0. hypocenter. manual.
PGC Event type ke. 23km east of Sidney, Bc Vancouver Island, Canada Region.
ISC II 12 03 47 39.3–3.0 49.26N–.04 129.44W–.05 8–19 4.8b,4.0s 824 1-152
IDC II 12 03 47 37.5–.63 49.22N 129.60W 0 4.2,4.0s **¶610208500**
NEIC II 12 03 47 37.4 49.06N 129.64W 2 4.2,4.0s
PGC II 12 03 47 37.4–4.9 49.07N 129.64W 10 5.0W,4.8b
NEIC II 12 03 47 40.2–2.7 49.31N–.04 129.36W–.09 10–1 5.0,4.8b
GCMT II 12 03 47 40.2–.20 49.10N–.01 129.76W–.02 16–1 5.0W,4.8b
ISC Event type ke.
NEIC Event type se. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; Mrr-0.15 Mθθ-0.66 Mϕϕ1.25 Mrθ-1.70 Mθϕ-0.16 Mϕr-3.61 NP1:ϕs26.00000°,δ87.00000°,λ-78.00000°. NP2: ϕs131.00000°,δ12.00000°,λ-165.00000°. Principal axes: T 4.2683,Plg41.0000° ,Azm105.0000°; N -0.3357,Plg12.0000°,Azm205.0000°; P -3.9326,Plg47.0000° ,Azm308.0000° M0$4.10000\times10^{16}$
PGC Event type ke. 241km southwest of Pt. Hardy, Bc Vancouver Island, Canada Region.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s39,c45; s121,c178;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr-0.60±.14 Mθθ-3.34±.10; Mϕϕ3.94±.12; Mrθ-1.35±.40; Mθϕ-0.25±.10; Mϕr0.01±.28; Best double couple: NP1:ϕs135.00000°,δ75.00000°,λ-163.00000°. NP2:ϕs41.00000°,δ74.00000°,λ-16.00000°. Principal axes: T 3.9490,Plg1.0000° ,Azm268.0000°; N -0.0530,Plg68.0000°,Azm176.0000°; P -3.9010,Plg22.0000° ,Azm358.0000° M0$3.92500\times10^{16}$
ISC II 23 00 43 05.5–2.9 49.74N–.07 129.17W–.08 25–22 28 1-58
IDC II 23 00 43 02.0–2.9 49.70N 129.33W 0 3.6b,3.2 **¶610384836**
PGC II 23 00 43 01.0–.43 49.54N 129.54W 10 3.3W,2.6
ISC Event type ke.
IDC Error ellipse: s-maj=41.7km s-min=14.0km az=71.0.
PGC Event type ke. 199km Wsw of Pt. Hardy, Bc Vancouver Island, Canada Region.
ISC II 23 01 34 29.1–3.0 49.69N–.07 129.19W–.08 23–24 41 1-58
PGC II 23 01 34 24.1–1.9 49.50N 129.56W 10 3.5W,2.8 **¶610384838**
IDC II 23 01 34 26.1–2.3 49.66N 129.17W 0 3.5b,3.3L
ISC Event type ke.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 202km Wsw of Pt. Hardy, Bc Vancouver Island, Canada Region.
IDC Error ellipse: s-maj=35.0km s-min=12.9km az=68.0.
ISC II 23 06 04 59.2–2.1 49.61N–.04 129.26W–.04 16–13 4.8b,4.4s 800 1-151
PGC II 23 06 04 55.7–.30 49.53N 129.54W 10 5.1W,4.0 **¶610239716**
NEIC II 23 06 04 55.7 49.53N 129.54W 8 5.1W,4.0
IDC II 23 06 04 56.2–.72 49.55N 129.30W 0 4.4s,4.2
NEIC II 23 06 04 58.1–1.5 49.71N–.07 129.3W–.10 10–1 5.1,5.1
BJI II 23 06 04 58.0–.00 49.70N 129.10W 10 5.4b,5.2s
GCMT II 23 06 04 58.1–.20 49.43N–.01 129.52W–.02 12 5.1W,5.2s
NEIC II 23 06 05 04.1 49.60N 129.39W 12 5.1W,5.2s
ISC Event type ke.
PGC Event type ke. 199km Wsw of Pt. Hardy, Bc Vancouver Island, Canada Region.
NEIC Event type se. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; Mrr1.83 Mθθ-5.25 Mϕϕ4.35 Mrθ-1.24 Mθϕ0.86 Mϕr2.18 NP1:ϕs316.00000°,δ78.00000°,λ150.00000°. NP2: ϕs53.00000°,δ61.00000°,λ14.00000°. Principal axes: T 5.2960,Plg30.0000°,Azm271.0000° ; N 0.6289,Plg58.0000°,Azm116.0000°; P -5.9249,Plg11.0000°,Azm7.0000° M0$5.60000\times10^{16}$
IDC Error ellipse: s-maj=15.0km s-min=7.8km az=55.0.
NEIC Event type se. Error ellipse: s-maj=15.8km s-min=9.1km az=230.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s62,c82; s129,c219;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr0.40±.11 Mθθ-5.67±.10; Mϕϕ5.27±.10; Mrθ0.04±.30; Mθϕ1.43±.10; Mϕr-1.61±.27; Best double couple: NP1:ϕs141.00000°,δ80.00000°,λ167.00000°. NP2:ϕs233.00000°,δ77.00000°,λ10.00000°. Principal axes: T 5.9140,Plg16.0000° ,Azm97.0000°; N -0.0500,Plg74.0000°,Azm286.0000°; P -5.8640,Plg2.0000°,Azm188.0000° M0$5.88900\times10^{16}$
NEIC Event type se. Moment Tensor Solution.Duration: 1s7 Moment tensor: Scale 10^{16}Nm; Mrr-0.22 Mθθ-4.51 Mϕϕ4.73 Mrθ1.17 Mθϕ1.26 Mϕr-0.88 NP1:ϕs323.32000°,δ85.21000° ,λ-163.54000°. NP2:ϕs231.91000°,δ73.60000°,λ-4.99000°. Principal axes: T 5.0049,Plg8.0000°,Azm97.0000°; N 0.0184,Plg73.0000°,Azm339.0000° ; P -5.0233,Plg15.0000°,Azm189.0000° M0$5.01000\times10^{16}$
ISC II 23 06 29 23.3–.60 49.61N–.05 129.22W–.05 10 3.9s,3.8b 292 1-80
NEIC II 23 06 29 21.1–1.6 49.56N–.06 129.47W–.06 10–1 4.5,4.1b **¶610241201**
NEIC II 23 06 29 21.4 49.55N 129.51W 6 4.5,4.1b
PGC II 23 06 29 21.4–.26 49.55N 129.51W 10 4.5W,3.5
IDC II 23 06 29 22.9–1.2 49.58N 129.24W 0 3.8s,3.8
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=6.2km az=196.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; Mrr0.19 Mθθ-0.66 Mϕϕ0.40 Mrθ-0.16 Mθϕ0.06 Mϕr-0.37 NP1:ϕs234.00000°,δ72.00000°,λ36.00000°. NP2: ϕs131.00000°,δ56.00000°,λ159.00000°. Principal axes: T 0.7199,Plg38.0000°,Azm97.0000° ; N -0.0515,Plg51.0000°,Azm256.0000°; P -0.6684,Plg10.0000°,Azm359.0000° M0$7.00000\times10^{15}$
PGC Event type ke. 196km Wsw of Pt. Hardy, Bc Vancouver Island, Canada Region.
IDC Error ellipse: s-maj=22.7km s-min=9.4km az=62.0.
ISC II 23 09 31 01.9–2.2 49.70N–.06 129.15W–.07 3–12 3.1b 47 1-58
PGC II 23 09 30 58.9–.34 49.49N 129.52W 10 3.8W,3.1 **¶610384869**
IDC II 23 09 31 01.4–1.7 49.73N 129.18W 0 3.4,3.3b
ISC Event type ke.
PGC Event type ke. 201km Wsw of Pt. Hardy, Bc Vancouver Island, Canada Region.
IDC Error ellipse: s-maj=24.3km s-min=9.8km az=65.0.
ISC II 23 11 44 31.3–2.2 49.65N–.06 129.19W–.07 4–13 3.3s,3.1b 51 1-58
PGC II 23 11 44 29.4–.39 49.50N 129.49W 10 3.8W,3.2 **¶610384879**
IDC II 23 11 44 32.2–1.8 49.73N 129.02W 0 3.4,3.4b
ISC Event type ke.
PGC Event type ke. 199km Wsw of Pt. Hardy, Bc Vancouver Island, Canada Region.
IDC Error ellipse: s-maj=31.0km s-min=10.0km az=69.0.
ISC II 24 12 28 24.4–.74 49.66N–.04 129.20W–.03 10–4 4.9b,4.5s 1033 1-100
IDC II 24 12 28 21.9–.60 49.52N 129.50W 0 4.4s,4.2 **¶610240614**
NEIC II 24 12 28 22.3 49.50N 129.48W 7 4.4s,4.2
BJI II 24 12 28 22.7–.00 49.82N 129.39W 5 5.3b,5.1s
PGC II 24 12 28 22.3–.15 49.50N 129.48W 10 5.1W,4.1
NEIC II 24 12 28 24.8–1.9 49.67N–.04 129.15W–.05 10–1 5.2,5.1
GCMT II 24 12 28 24.8–.10 49.46N–.01 129.49W–.01 12–1 5.2W,5.1
NEIC II 24 12 28 30 49.31N 129.74W 22 5.2W,5.1
ISC Event type ke.
IDC Error ellipse: s-maj=13.3km s-min=7.5km az=49.0.
NEIC Event type se. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; Mrr2.73 Mθθ-4.29 Mϕϕ4.08 Mrθ-1.69 Mθϕ1.94 Mϕr-2.42 NP1:ϕs243.00000°,δ72.00000°,λ34.00000°. NP2: ϕs142.00000°,δ58.00000°,λ159.00000°. Principal axes: T 5.6908,Plg36.0000°,Azm107.0000° ; N 0.0583,Plg52.0000°,Azm268.0000°; P -5.7491,Plg9.0000°,Azm10.0000° M0$5.80000\times10^{16}$
PGC Event type ke. 198km Wsw of Pt. Hardy, Bc Vancouver Island, Canada Region.
NEIC Event type se. Error ellipse: s-maj=7.0km s-min=4.7km az=335.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s85,c116; s134,c232;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr-0.20±.11 Mθθ-5.41±.11; Mϕϕ5.61±.12; Mrθ-0.06±.28; Mθϕ3.39±.11; Mϕr-1.25±.29; Best double couple: NP1:ϕs150.00000°,δ85.00000°,λ171.00000°. NP2:ϕs241.00000°,δ81.00000°,λ5.00000°. Principal axes: T 6.7820,Plg10.0000° ,Azm106.0000°; N -0.3980,Plg80.0000°,Azm301.0000°; P -6.3820,Plg3.0000° ,Azm196.0000° M0$6.58200\times10^{16}$
NEIC Event type se. Moment Tensor Solution.Duration: 10s0 Moment tensor: Scale 10^{16}Nm; Mrr0.29 Mθθ-7.57 Mϕϕ7.28 Mrθ-0.81 Mθϕ3.90 Mϕr2.89 NP1:ϕs60.00000°,δ71.00000°,λ5.00000°. NP2:ϕs328.00000°,δ85.00000°,λ161.00000°. Principal axes: T 9.0331,Plg17.0000° ,Azm282.0000°; N -0.2504,Plg70.0000°,Azm134.0000°; P -8.7827,Plg10.0000° ,Azm15.0000° M0$8.91000\times10^{16}$
ISC II 28 23 57 34.0–1.9 50.51N–.05 130.21W–.05 1–12 3.6b,3.5s 139 1-79
NEIC II 28 23 57 35.2–2.4 50.52N–.06 130.21W–.09 10–2 4.2,3.7b **¶610385236**
PGC II 28 23 57 36.5–1.3 50.46N 130.30W 10 4.2W,3.6
IDC II 28 23 57 37.3–1.1 50.54N 129.95W 0 3.6b,3.5
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=13.6km s-min=3.0km az=224.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 205km west of Pt. Hardy, Bc Vancouver Island, Canada Region.
IDC Error ellipse: s-maj=17.6km s-min=12.5km az=66.0.
ISC II 28 23 58 09.1–1.2 50.54N–.07 130.20W–.07 10 52 1-22
NEIC II 28 23 58 10.2–1.6 50.60N–.04 130.10W–.05 10–2 4.2,3.8b **¶616185088**
PGC II 28 23 58 12.8–5.4 50.59N 130.17W 10 4.2W,3.6
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=7.1km s-min=6.0km az=189.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PGC Event type ke. Error ellipse: s-maj=2.2km s-min=1.4km az=-1.0. 194km west of Pt. Hardy, Bc Vancouver Island, Canada Region.
PGC III 01 10 20 31.6–.71 48.80N 129.29W 10 3.5W,2.9 **¶612416477**
PGC Event type ke. 249km west of Tofino, Bc Vancouver Island, Canada Region.
PGC III 02 15 02 33.4–2.2 48.78N 129.03W 10 3.6W,3.0 **¶612416508**
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 230km west of Tofino, Bc Vancouver Island, Canada Region.
ISC III 07 15 50 59.1–1.9 49.26N–.05 129.41W–.06 31–13 4.1s,3.9b 274 1-82
PGC III 07 15 50 52.4–.75 48.99N 129.77W 10 3.9W,3.3 **¶610271573**
IDC III 07 15 50 56.9–1.5 49.29N 129.05W 0 3.7,3.6s
NEIC III 07 15 50 57.2–1.6 49.34N–.08 129.34W–.09 10–1 4.0b,3.6s
ISC Event type ke.
PGC Event type ke. 254km southwest of Pt. Hardy, Bc Vancouver Island, Canada Region.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC III 11 23 49 58.0–1.4 48.592N–.01 123.08W–.02 18–2
PNSN III 11 23 49 58.9 48.59N 123.05W 12 2.6 **¶610325526**
SEA III 11 23 49 58.9–1.5 48.59N–.01 123.05W–.01 12–4 2.6L,2.3L
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PNSN Moment Tensor Solution. NP1:ϕs60.00000°,δ20.00000°,λ30.00000°.
SEA Event type se. hypocenter. manual.
PGC III 15 20 06 01.6–4.2 50.22N 130.26W 10 3.6W,3.0 **¶612416779**
PGC Event type ke. Error ellipse: s-maj=2.2km s-min=0.7km az=-1.0. 208km west of Pt. Hardy, Bc Vancouver Island, Canada Region.
PGC III 16 15 49 53.6–.09 50.56N 130.27W 10 3.7W,3.1 **¶612416809**
PGC Event type ke. 202km west of Pt. Hardy, Bc Vancouver Island, Canada Region.
PGC III 24 05 45 56.2–1.5 50.53N 130.11W 10 3.6W,3.0 **¶612416997**
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 191km west of Pt. Hardy, Bc Vancouver Island, Canada Region.
PGC IV 08 07 24 52.3–4.8 50.46N 130.12W 10 3.9W,3.9W **¶612417375**
PGC Event type ke. Error ellipse: s-maj=2.2km s-min=1.4km az=-1.0. 192km west of Pt. Hardy, Bc Vancouver Island, Canada Region.
ISC V 07 20 05 32.7–.75 50.60N–.05 130.22W–.05 10 3.7b,3.2s 230 1-79
NEIC V 07 20 05 32 50.54N 130.32W 14 3.7b,3.2s **¶611150134**
PGC V 07 20 05 32.0–1.6 50.54N 130.32W 10 4.4W,4.4W
NEIC V 07 20 05 33.1–3.2 50.79N–.03 130.06W–.07 13–3 4.4,3.9b
IDC V 07 20 05 35.0–1.1 50.68N 129.83W 0 4.1L,3.9
ISC Event type ke.
NEIC Event type se. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; Mrr-0.36 Mθθ-0.03 Mϕϕ0.31 Mrθ0.09 Mθϕ0.28 Mϕr-0.22 NP1:ϕs3.00000°,δ61.00000°,λ-124.00000°. NP2: ϕs237.00000°,δ43.00000°,λ-45.00000°. Principal axes: T 0.5178,Plg10.0000°,Azm117.0000° ; N -0.0538,Plg29.0000°,Azm21.0000°; P -0.4639,Plg59.0000°,Azm224.0000° M0$4.90000\times10^{15}$
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 205km west of Pt. Hardy, Bc Vancouver Island, Canada Region.
NEIC Event type se. Error ellipse: s-maj=7.2km s-min=4.2km az=67.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=16.5km s-min=8.6km az=68.0.
ISC VI 05 06 49 13.6–3.0 50.63N–.05 130.46W–.07 8–17 76 1-8
PGC VI 05 06 49 16.0–.83 50.63N 130.46W 10 3.6W,3.0 **¶612418387**
ISC Event type ke.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 215km west of Pt. Hardy, Bc Vancouver Island, Canada Region.
ISC VI 10 20 38 19.7–.76 50.65N–.05 130.08W–.04 17–4 4.6b,4.2s 897 1-151
PGC VI 10 20 38 15.8–1.6 50.50N 130.36W 10 4.9W,4.2L **¶610669499**
OTT VI 10 20 38 15.8–3.3 50.50N–.05 130.36W–.08 10–1 4.9W,4.2L
IDC VI 10 20 38 16.6–.52 50.55N 130.05W 0 4.3b,4.3L
BJI VI 10 20 38 17.7–.00 50.70N 130.00W 10 5.1b,4.8s
NEIC VI 10 20 38 18.6–1.8 50.66N–.05 130.09W–.07 10–1 4.8,4.8
NEIC VI 10 20 38 19.1 50.75N 129.98W 10 4.8,4.8
MOS VI 10 20 38 19.6–1.1 50.66N 129.93W 28 4.9b,4.3s
GCMT VI 10 20 38 19.6–.20 50.52N–.01 130.40W–.02 17–1 5.0W,4.3s
ISC Event type ke.
PGC Event type ke. 209km west of Pt. Hardy, Bc Vancouver Island, Canada Region.
OTT Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; Mrr0.51 Mθθ-1.38 Mϕϕ0.87 Mrθ-0.33 Mθϕ0.67 Mϕr0.98 NP1:ϕs324.66000°,δ76.59000°,λ139.82000°. NP2:ϕs65.74000°,δ51.13000° ,λ17.33000°. Principal axes: T 1.7132,Plg37.0000°,Azm278.0000°; N 0.0164,Plg48.0000° ,Azm129.0000°; P -1.7296,Plg16.0000°,Azm20.0000° M0$1.72000\times10^{16}$
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s41,c57; s121,c199;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr-0.38±.11 Mθθ-3.30±.09; Mϕϕ3.68±.11; Mrθ-0.26±.26; Mθϕ2.04±.10; Mϕr-0.30±.24; Best double couple: NP1:ϕs240.00000°,δ89.00000°,λ5.00000°. NP2:ϕs150.00000°,δ85.00000°,λ179.00000°. Principal axes: T 4.2600,Plg4.0000° ,Azm105.0000°; N -0.4000,Plg85.0000°,Azm252.0000°; P -3.8620,Plg3.0000°,Azm15.0000° M0$4.06100\times10^{16}$
PGC VI 17 15 31 19.7–2.3 50.59N 130.40W 10 3.5W,2.8 **¶612418617**

PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 211km west of Pt. Hardy, Bc Vancouver Island, Canada Region.
ISC VI 19 17 22 59.0–.94 49.76N–.02 126.72W–.03 25–8 3.3s 388 0-82
IDC VI 19 17 22 56.2–.84 49.75N 126.90W 0 3.7,3.5L ¶610681847
NEIC VI 19 17 22 56.6–2.4 49.85N–.06 126.50W–.09 10–1 4.0L,3.9b
PGC VI 19 17 22 58.7–1.3 49.75N 126.69W 37–0 4.1W,4.0L
OTT VI 19 17 22 58.7–2.9 49.75N–.06 126.7W–.10 37–8 4.1W,4.0L
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PGC Event type ke. 42km west of Gold R., Bc Vancouver Island, Canada Region.
OTT Event type se. hypocenter. manual.
ISC VI 21 03 33 31.2–2.0 50.20N–.05 129.62W–.05 10–12 65 1-59
PGC VI 21 03 33 31.1–1.3 50.15N 129.71W 10 3.7W,3.0 ¶610789189
IDC VI 21 03 33 32.0–2.1 50.32N 129.59W 0 4.2L,3.3
ISC Event type ke.
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=-1.0. 173km Wsw of Pt. Hardy, Bc Vancouver Island, Canada Region.
IDC Error ellipse: s-maj=27.9km s-min=14.2km az=67.0.
ISC VI 30 18 05 20.5–.63 50.59N–.05 130.16W–.04 10 3.4b,3.3s 232 1-79
IDC VI 30 18 05 14.6–1.5 50.21N 130.35W 0 3.9L,3.4 ¶610789804
OTT VI 30 18 05 19.9–2.0 50.52N–.07 130.29W–.06 10–7 3.9L,3.4
PGC VI 30 18 05 19.9–1.2 50.52N 130.29W 10 4.3W,3.5
NEIC VI 30 18 05 20.6–2.3 50.56N–.09 130.2W–.10 17–7 4.1,3.9b
ISC Event type ke.
OTT Event type se. hypocenter. manual.
PGC Event type ke. 204km west of Pt. Hardy, Bc Vancouver Island, Canada Region.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(26) Off coast of Washington.

ISC V 08 09 43 41.1–1.4 47.54N–.07 128.61W–.05 10 54 1-5
NEIC V 08 09 43 39.7–1.4 47.36N–.04 129.18W–.10 10–2 3.3,2.9L ¶611150158
PGC V 08 09 43 43.6–10 47.55N 129.00W 10 3.3W,2.7
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=11.0km s-min=7.1km az=94.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PGC Event type ke. Error ellipse: s-maj=3.3km s-min=1.5km az=-1.0. 289km Wsw of Tofino, Bc Off Coast Of Washington.
ISC V 15 03 30 15.9–1.4 47.57N–.05 129.00W–.05 7–9 154 0-27
IDC V 15 03 30 15.8–4.5 47.53N 129.36W 0 3.4,3.3b ¶610641702
PGC V 15 03 30 15.4–2.5 47.53N 129.22W 10 3.6W,3.0
NEIC V 15 03 30 16.2–1.7 47.57N–.02 129.00W–.10 10–2 3.8b,3.6
ISC Event type ke.
PGC Event type ke. 303km Wsw of Tofino, Bc Off Coast Of Washington.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 19 12 09 13.2–1.2 47.61N–.05 128.28W–.03 8–8 4.2b,3.7s 465 0-97
PGC V 19 12 09 13.0–.09 47.52N 128.31W 10 4.6W,4.1b ¶610645585
IDC V 19 12 09 14.4–1.4 47.61N 127.94W 0 3.9,3.7s
NEIC V 19 12 09 14.6–1.9 47.66N–.05 128.02W–.09 10–2 4.4,4.3
NEIC V 19 12 09 15 47.69N 127.99W 10 4.4,4.3
ISC Event type ke.
PGC Event type ke. 253km southwest of Tofino, Bc Off Coast Of Washington.
IDC Error ellipse: s-maj=26.4km s-min=9.7km az=64.0.
NEIC Event type se. Error ellipse: s-maj=11.4km s-min=8.0km az=245.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}2.09 $M_{\theta\theta}$-2.11 $M_{\phi\phi}$0.01 $M_{r\theta}$1.24 $M_{\theta\phi}$2.29 $M_{\phi r}$1.56 NP1:ϕ_s335.47000°,δ55.48000°,λ141.92000°. NP2:ϕ_s89.41000°,δ59.46000°,λ41.14000°. Principal axes: T 3.7929,Plg49.0000°,Azm304.0000°; N -0.2170,Plg40.0000°,Azm120.0000°; P -3.5759,Plg2.0000°,Azm212.0000° $M_0$3.69000×10^{15}
NEIC Event type se.
ISC V 22 21 33 14.5–1.7 47.43N–.08 128.35W–.04 19–5 80 1-7
NEIC V 22 21 33 14.1–2.4 47.39N–.04 128.3W–.10 10–2 3.1,2.7L ¶610653552
PGC V 22 21 33 15.1–2.4 47.40N 128.36W 10 3.1W,2.5
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=15.6km s-min=5.6km az=254.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PGC Event type ke. 266km southwest of Tofino, Bc Off Coast Of Washington.
ISC VI 23 02 08 57.9–.83 47.58N–.04 128.24W–.03 10 219 0-60
PGC VI 23 02 08 57.8–.40 47.47N 128.36W 10 3.8W,3.2 ¶610694336
OTT VI 23 02 08 57.8–2.8 47.47N–.04 128.36W–.08 10–2 3.8W,3.2
NEIC VI 23 02 08 58.5–2.3 47.60N–.05 128.26W–.10 10–2 3.8,3.8b
IDC VI 23 02 09 03.5–3.6 47.90N 127.60W 0 3.7L,3.6b
ISC Event type ke.
PGC Event type ke. 260km southwest of Tofino, Bc Off Coast Of Washington.
OTT Event type se. Error ellipse: s-maj=10.1km s-min=7.0km az=244.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=12.5km s-min=6.4km az=235.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=54.0km s-min=13.9km az=47.0.

(28) Washington-Oregon border region.

NEIC VI 01 16 02 58.3–2.3 45.05N–.02 123.12W–.03 27–7
PNSN VI 01 16 02 57.7 45.06N 123.10W 22 3.0 ¶610657930
SEA VI 01 16 02 57.7–1.7 45.06N–.02 123.10W–.03 22–6 3.0L,2.8L
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PNSN Moment Tensor Solution. NP1:ϕ_s40.00000°,δ85.00000°,λ10.00000°.
SEA Event type se. hypocenter. manual.

(29) Washington.

ISC I 11 11 20 36.3–.77 47.21N–.01 122.50W–.02 18–4 160 0-3
NEIC I 11 11 20 35.7–1.3 47.20N–.02 122.51W–.03 20–3 ¶610570600
PNSN I 11 11 20 36.7 47.21N 122.49W 13 2.6
SEA I 11 11 20 36.7–2.1 47.212N–.01 122.49W–.01 13–1 2.6L,2.5L
PGC I 11 11 20 36.7 47.21N 122.49W 13 2.6L,2.2L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=3.5km s-min=1.4km az=57.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PNSN Moment Tensor Solution. NP1:ϕ_s275.00000°,δ90.00000°,λ-100.00000°.
SEA Event type se. Error ellipse: s-maj=1.4km s-min=1.3km az=216.0. hypocenter. manual.
PGC Event type ke. 44km Ssw of Seattle, Wa Washington.
NEIC I 20 08 20 04.6–1.9 47.278N–.01 123.79W–.01 10–2
SEA I 20 08 20 05.1–2.7 47.278N–.01 123.800W–.01 -0–8 2.6L,2.5L ¶610103749
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SEA Event type se. hypocenter. manual.
NEIC I 22 13 02 24.9–1.9 47.405N–.01 121.61W–.02 16–2
SEA I 22 13 02 25.1–2.4 47.400N–.01 121.59W–.01 4–6 3.3L,3.1L ¶610105084
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SEA Event type se. hypocenter. manual.
NEIC I 22 16 43 22.6–1.9 47.406N–.01 121.60W–.02 17–2
SEA I 22 16 43 23.4–2.0 47.408N–.01 121.59W–.01 0–7 2.0L,1.9L ¶610105097
PNSN I 22 16 43 23.4 47.41N 121.59W 0 1.9,1.9L
NEIC Event type se. Error ellipse: s-maj=1.8km s-min=1.1km az=127.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SEA Event type se. Error ellipse: s-maj=1.4km s-min=1.0km az=165.0. hypocenter. manual.
PNSN Moment Tensor Solution. NP1:ϕ_s340.00000°,δ60.00000°,λ-110.00000°.
ISC I 22 20 05 13.9–.83 47.56N–.02 123.54W–.02 41 3.4b 123 0-83
IDC I 22 20 05 08.7–2.8 47.51N 123.34W 0 3.7,3.5b ¶610105255
SEA I 22 20 05 13.9–.97 47.54N–.02 123.53W–.03 42–6 3.6L,3.4L
NEIC I 22 20 05 13.4–.92 47.57N–.02 123.55W–.03 45–5 3.6L,3.4L
ISC Event type se.
SEA Event type se. hypocenter. manual.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 06 03 22 54.1–.84 48.83N–.02 122.60W–.01 15–6 136 0-4
NEIC II 06 03 22 53.8–1.8 48.84N–.03 122.58W–.02 19–2 ¶611148950
PNSN II 06 03 22 54.7 48.84N 122.55W 7 2.4
PGC II 06 03 22 54.5–.20 48.84N 122.57W 2–0 2.4L,2.1L
SEA II 06 03 22 54.7–2.0 48.84N–.02 122.55W–.02 7–5 2.5L,2.4L
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PNSN Moment Tensor Solution. NP1:ϕ_s300.00000°,δ80.00000°,λ-160.00000°.
PGC Event type ke. 29km Sse of Langley, Bc Washington.
SEA Event type se. hypocenter. manual.
NEIC II 19 19 27 47.8–2.0 47.37N–.02 122.67W–.02 10–1
SEA II 19 19 27 48.6–2.6 47.39N–.01 122.66W–.02 8–6 2.7L,2.4L ¶610239495
PNSN II 19 19 27 48.6 47.39N 122.66W 8 2.6,2.4L
NEIC Event type se. Error ellipse: s-maj=3.0km s-min=2.8km az=11.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SEA Event type se. Error ellipse: s-maj=2.4km s-min=1.4km az=125.0. hypocenter. manual.
PNSN Moment Tensor Solution. NP1:ϕ_s235.00000°,δ70.00000°,λ-20.00000°.
ISC II 23 04 59 03.8–.68 47.45N–.01 123.05W–.01 19–2 4.0b,3.5s 353 0-149
IDC II 23 04 59 01.9–.51 47.41N 122.92W 0 3.8b,3.7 ¶610240049
NEIC II 23 04 59 03.4–1.8 47.473N–.01 123.07W–.01 10–1 3.8b,3.7
SEA II 23 04 59 04.0–1.9 47.480N–.01 123.04W–.02 15–1 4.1L,4.1b
PGC II 23 04 59 04.0 47.48N 123.04W 15 4.1L,3.8L
ISC Event type ke.
IDC Error ellipse: s-maj=10.0km s-min=6.5km az=62.0.
NEIC Event type se. Error ellipse: s-maj=2.7km s-min=1.7km az=94.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}0.89 $M_{\theta\theta}$-1.24 $M_{\phi\phi}$0.35 $M_{r\theta}$-0.34 $M_{\theta\phi}$0.06 $M_{\phi r}$0.38 NP1:ϕ_s294.38000°,δ58.76000°,λ118.99000°. NP2:ϕ_s67.48000°,δ41.60000°,λ51.38000°. Principal axes: T 1.1183,Plg64.0000°,Azm255.0000°; N 0.1851,Plg24.0000°,Azm98.0000°; P -1.3033,Plg9.0000°,Azm4.0000° $M_0$1.22000×10^{15}
SEA Event type se. Error ellipse: s-maj=1.6km s-min=1.4km az=102.0. hypocenter. manual.
PGC Event type ke. 54km west of Seattle, Wa Washington.
ISC II 26 13 59 18.3–.89 47.09N–.02 120.98W–.02 12–6 3.2b 174 0-84
IDC II 26 13 59 17.5–.93 47.13N 120.87W 0 3.7s,3.3b ¶610241373
NEIC II 26 13 59 17.9–1.6 47.07N–.01 120.98W–.02 7–6 3.7s,3.3b
SEA II 26 13 59 18.6–1.6 47.08N–.01 121.00W–.02 4–6 3.5L,3.2L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SEA Event type se. hypocenter. manual.
NEIC III 14 23 43 19.2–1.8 46.453N–.01 122.36W–.02 11–5
SEA III 14 23 43 19.6–1.7 46.448N–.01 122.332W–.00 12–4 3.2L,3.0L ¶610329050
PNSN III 14 23 43 19.6 46.45N 122.33W 12 3.2,3.0L
NEIC Event type se. Error ellipse: s-maj=2.0km s-min=1.4km az=103.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SEA Event type se. Error ellipse: s-maj=1.4km s-min=0.4km az=191.0. hypocenter. manual.
PNSN Moment Tensor Solution. NP1:ϕ_s150.00000°,δ15.00000°,λ160.00000°.
ISC IV 20 05 07 03.3–.87 48.18N–.01 122.76W–.01 20–2 195 0-5
SEA IV 20 05 07 03.5–1.9 48.18N–.02 122.77W–.02 23–6 3.1L,2.7L ¶610544114
PGC IV 20 05 07 03.9–.19 48.16N 122.78W 17–0 2.7L,2.7L
NEIC IV 20 05 07 03.2–2.1 48.19N–.02 122.76W–.02 22–8 2.7L,2.7L
ISC Event type ke.
SEA Event type se. hypocenter. manual.
PGC Event type ke. 53km Ese of Victoria, Bc Washington.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 03 19 20 36.0–.84 47.57N–.02 122.62W–.02 32–3 242 0-5
SEA V 03 19 20 36.5–2.5 47.57N–.02 122.60W–.04 27–6 3.3L,3.0L ¶610593965
PGC V 03 19 20 36.5 47.57N 122.60W 27 3.3L,2.8L
NEIC V 03 19 20 36.3–2.3 47.58N–.03 122.64W–.03 29–7 3.3L,2.8L
ISC Event type ke.
SEA Event type se. hypocenter. manual.
PGC Event type ke. 20km west of Seattle, Wa Washington.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC V 03 22 05 43.0–2.1 47.58N–.02 122.57W–.03 26–7
SEA V 03 22 05 43.6–1.5 47.58N–.02 122.57W–.04 22–4 2.3L,2.1L ¶610593969
PNSN V 03 22 05 43.6 47.58N 122.57W 22 2.3,2.1L
NEIC Event type se. Error ellipse: s-maj=3.7km s-min=2.1km az=57.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SEA Event type se. Error ellipse: s-maj=4.0km s-min=1.9km az=67.0. hypocenter. manual.
PNSN Moment Tensor Solution. NP1:ϕ_s105.00000°,δ40.00000°,λ120.00000°.
NEIC V 04 07 43 46.1–2.3 47.61N–.03 122.64W–.04 31–8
SEA V 04 07 43 46.4–2.1 47.57N–.02 122.60W–.04 25–2 2.3L,2.1L ¶615372171
PNSN V 04 07 43 46.4 47.57N 122.60W 25 2.3,2.1L
NEIC Event type se. Error ellipse: s-maj=4.1km s-min=3.4km az=60.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SEA Event type se. Error ellipse: s-maj=3.8km s-min=3.3km az=57.0. hypocenter. manual.
PNSN Moment Tensor Solution. NP1:ϕ_s130.00000°,δ35.00000°,λ150.00000°.
ISC V 04 11 20 51.9–.85 47.58N–.02 122.59W–.02 29–4 153 0-3
PGC V 04 11 20 52.0 47.58N 122.59W 25 2.5L,2.0L ¶610594169
SEA V 04 11 20 52.0–1.8 47.58N–.03 122.59W–.04 25–2 2.5L,2.4L
NEIC V 04 11 20 51.7–1.4 47.61N–.03 122.63W–.03 27–11 2.5L,2.4L
ISC Event type ke.
PGC Event type ke. 19km west of Seattle, Wa Washington.
SEA Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC V 07 19 07 37–1.2 47.59N–.03 122.57W–.04 27–9
PNSN V 07 19 07 38.1 47.58N 122.56W 21 1.6 ¶611150133
SEA V 07 19 07 38.1–1.9 47.58N–.03 122.56W–.05 21–5 1.7L,1.6L
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PNSN Moment Tensor Solution. NP1:ϕ_s140.00000°,δ65.00000°,λ140.00000°.
SEA Event type se. hypocenter. manual.
ISC V 10 08 14 32.2–.84 47.59N–.02 122.58W–.02 31–3 232 0-6
NEIC V 10 08 14 32.0–2.1 47.58N–.02 122.61W–.04 26–10 ¶610619329
SEA V 10 08 14 32.1–2.5 47.58N–.03 122.58W–.04 24–7 3.4L,3.2L
PGC V 10 08 14 32.1 47.58N 122.58W 24 3.4L,3.1L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=4.6km s-min=2.3km az=48.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SEA Event type se. Error ellipse: s-maj=4.1km s-min=3.4km az=49.0. hypocenter. manual.
PGC Event type ke. 19km west of Seattle, Wa Washington.
NEIC V 10 11 18 53.7–1.9 47.60N–.02 122.62W–.03 28–9
SEA V 10 11 18 54.1–1.8 47.58N–.02 122.60W–.04 25–7 2.2L,2.0L ¶610619356
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SEA Event type se. hypocenter. manual.
ISC V 11 07 35 24.3–.71 47.60N–.02 122.60W–.02 29–3 226 0-23
IDC V 11 07 35 22.6–.98 47.65N 122.46W 0 3.0,3.0L ¶610623495
PGC V 11 07 35 24.7 47.58N 122.59W 26 3.4L,3.2L
SEA V 11 07 35 24.7–1.7 47.59N–.02 122.58W–.02 24–6 3.5L,3.4L
NEIC V 11 07 35 24.4–1.6 47.59N–.02 122.63W–.03 26–8 3.5L,3.4L
ISC Event type ke.
PGC Event type ke. 19km west of Seattle, Wa Washington.
SEA Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 11 09 36 36.2–.85 47.60N–.02 122.60W–.02 31–4 152 0-3
NEIC V 11 09 36 36.1–1.5 47.60N–.03 122.62W–.05 26–1 ¶610625934
PGC V 11 09 36 36.7 47.59N 122.57W 22 2.6L,2.0L

SEA V 11 09 36 36.7–2.0 47.59N–.02 122.57W–.05 22–7 2.6L,2.4L
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PGC Event type ke. 17km west of Seattle, Wa Washington.
SEA Event type se. hypocenter. manual.
ISC V 11 17 56 35.5–.82 47.97N–.01 122.49W–.02 31–4 251 0-11
SEA V 11 17 56 36.0–2.4 47.96N–.02 122.47W–.03 24–6 3.4L,3.2L **¶610630613**
PGC V 11 17 56 36.0 47.96N 122.47W 24 3.4L,3.2L
NEIC V 11 17 56 35.8–2.3 47.98N–.02 122.51W–.02 25–7 3.4L,3.2L
ISC Event type ke.
SEA Event type se. hypocenter. manual.
PGC Event type ke. 41km Nnw of Seattle, Wa Washington.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC V 15 08 13 07.0–1.9 47.401N–.01 122.33W–.03 27–7
SEA V 15 08 13 07.6–1.2 47.41N–.02 122.33W–.03 21–5 2.1L,2.1L **¶610638738**
PNSN V 15 08 13 07.6 47.41N 122.33W 21 2.1,2.1L
NEIC Event type se. Error ellipse: s-maj=3.4km s-min=1.4km az=81.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SEA Event type se. Error ellipse: s-maj=3.0km s-min=2.7km az=111.0. hypocenter. manual.
PNSN Moment Tensor Solution. NP1:ϕ_s95.00000°,δ55.00000°,λ90.00000°.
NEIC V 21 05 52 29.0–1.8 47.61N–.02 122.63W–.04 29–8
SEA V 21 05 52 29.4–1.9 47.58N–.02 122.59W–.03 24–2 2.0L,1.9L **¶611150847**
PNSN V 21 05 52 29.4 47.58N 122.59W 24 2.0,1.9L
NEIC Event type se. Error ellipse: s-maj=3.8km s-min=3.3km az=86.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SEA Event type se. Error ellipse: s-maj=3.5km s-min=3.4km az=192.0. hypocenter. manual.
PNSN Moment Tensor Solution. NP1:ϕ_s100.00000°,δ20.00000°,λ150.00000°.
NEIC V 21 20 43 50.7–2.2 47.59N–.03 122.61W–.04 25–10
SEA V 21 20 43 51.3–2.5 47.58N–.03 122.58W–.04 24–7 2.8L,2.7L **¶610646097**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SEA Event type se. hypocenter. manual.
ISC VI 06 12 33 32.3–.88 48.22N–.02 121.32W–.02 12–7 141 0-5
PGC VI 06 12 33 32.9–.61 48.24N 121.32W 1–0 2.4L,2.2L **¶610664205**
PNSN VI 06 12 33 32.8 48.25N 121.34W 7 2.4,2.2L
NEIC VI 06 12 33 32.2–.97 48.224N–.01 121.31W–.03 9–8 2.4,2.2L
SEA VI 06 12 33 32.8–1.2 48.246N–.01 121.34W–.02 7–6 2.4L,2.3L
ISC Event type ke.
PGC Event type ke. 104km Ene of Seattle, Wa Washington.
PNSN Moment Tensor Solution. NP1:ϕ_s240.00000°,δ55.00000°,λ20.00000°.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SEA Event type se. hypocenter. manual.
ISC VI 16 03 55 26.0–.73 47.87N–.02 122.94W–.02 56–4 3.5b,3.2s 343 0-77
IDC VI 16 03 55 21.8–.70 47.83N 122.88W 0 3.6,3.6b **¶610675494**
SEA VI 16 03 55 25.8–1.3 47.84N–.02 122.89W–.03 56–2 3.8,3.7L
OTT VI 16 03 55 25.5–1.1 47.87N–.02 122.89W–.02 54–2 3.8,3.7L
PGC VI 16 03 55 25.5 47.87N 122.89W 56 3.5L,3.5L
NEIC VI 16 03 55 26.3–1.2 47.87N–.02 122.94W–.03 49–1 3.5L,3.5L
NEIC VI 16 03 55 26 47.83N 122.89W 46 3.5L,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=14.4km s-min=8.5km az=67.0.
SEA Event type se. Error ellipse: s-maj=3.2km s-min=2.9km az=215.0. hypocenter. manual.
OTT Event type se. Error ellipse: s-maj=3.2km s-min=2.2km az=193.0. hypocenter. manual.
PGC Event type ke. 51km Wnw of Seattle, Wa Washington.
NEIC Event type se. Error ellipse: s-maj=2.8km s-min=2.6km az=61.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}-1.26 $M_{\theta\theta}$5.31 $M_{\phi\phi}$-4.05 $M_{r\theta}$-2.52 $M_{\theta\phi}$1.98 $M_{\phi r}$-4.37 NP1:ϕ_s300.00000°,δ45.00000°,λ-10.00000°. NP2: ϕ_s37.00000°,δ83.00000°,λ-135.00000°. Principal axes: T 7.2426,Plg24.0000°,Azm160.0000° ; N 0.0008,Plg44.0000°,Azm44.0000°; P -7.2434,Plg36.0000°,Azm269.0000° $M_0$7.24000×10^{14}
NEIC VI 18 07 38 09.5–1.1 46.72N–.01 121.61W–.01 11–3
SEA VI 18 07 38 09.7–1.3 46.707N–.01 121.60W–.02 6–6 2.3L,2.2L **¶611151062**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SEA Event type se. hypocenter. manual.
NEIC VI 23 17 55 57.0–1.2 47.18N–.01 122.23W–.02 10–1
SEA VI 23 17 55 57.9–.99 47.18N–.01 122.21W–.02 16–2 2.1L,1.9L **¶610694230**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SEA Event type se. hypocenter. manual.
NEIC VI 25 03 25 14.5–2.7 48.26N–.02 121.68W–.04 20–8
PNSN VI 25 03 25 14.6 48.26N 121.67W 8 2.9 **¶611189133**
SEA VI 25 03 25 14.6–2.9 48.26N–.01 121.67W–.02 8–6 2.9L,2.7L
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PNSN Moment Tensor Solution. NP1:ϕ_s55.00000°,δ70.00000°,λ40.00000°.
SEA Event type se. hypocenter. manual.
NEIC VI 29 06 58 41.1–1.5 47.60N–.02 122.80W–.03 26–9
SEA VI 29 06 58 41.4–1.9 47.59N–.02 122.77W–.03 27–7 2.4L,2.3L **¶610699054**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SEA Event type se. hypocenter. manual.
NEIC VI 29 08 40 02.9–2.4 48.77N–.02 122.62W–.03 17–2
SEA VI 29 08 40 03.4–2.5 48.77N–.02 122.61W–.01 16–2 3.1L,3.0L **¶610699058**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SEA Event type se. hypocenter. manual.

SEISMIC REGION 3.
California-Nevada Region.

(30) Off coast of Oregon.

ISC I 05 19 19 31.4–1.8 44.02N–.08 129.1W–.10 15 3.4s 40 4-59
NEIC I 05 19 19 29.4–1.5 43.95N–.09 129.2W–.20 10–2 3.3L **¶610236792**
IDC I 05 19 19 35.8–2.9 44.66N 128.14W 0 3.5b,3.4
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.1km s-min=14.6km az=256.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=47.0km s-min=21.8km az=47.0.
ISC I 06 08 48 36.4–1.5 42.44N–.07 126.6W–.10 12 3.6b,3.3s 68 2-61
NEIC I 06 08 48 34.7–2.5 42.44N–.07 126.7W–.10 10–2 3.2L,3.3s **¶610019734**
IDC I 06 08 48 35.6–2.2 42.48N 126.45W 0 3.5,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.0km s-min=11.5km az=261.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=33.5km s-min=14.5km az=47.0.
ISC I 06 12 09 35.2–.88 44.07N–.06 128.98W–.08 15 4.1b,3.6s 236 4-96
IDC I 06 12 09 32.6–1.7 44.12N 128.88W 0 3.8b,3.8L **¶610236830**
NEIC I 06 12 09 33.3–2.0 43.97N–.07 129.16W–.09 10–2 4.2b,3.4L
PGC I 06 12 09 37.2–.06 44.18N 128.96W 10 4.3W,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=32.4km s-min=13.9km az=46.0.
NEIC Event type se. Error ellipse: s-maj=16.5km s-min=3.1km az=222.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PGC Event type ke. 591km southwest of Ucluelet, Bc Off Coast Of Oregon.
ISC I 10 15 43 58.5–1.9 42.4N–.10 126.7W–.10 10 3.5b 32 2-61
IDC I 10 15 43 57.5–2.7 42.13N 126.64W 0 3.4b,3.3 **¶610237091**
NEIC I 10 15 43 57.3–2.2 42.33N–.09 126.8W–.20 10–2 4.3b,3.4L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC I 13 00 27 00.9–1.3 43.38N–.09 127.4W–.20 10–2 3.0L **¶610570646**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 15 07 53 22.7–1.2 44.30N–.10 129.37W–.10 13 3.6b,3.5s 45 4-84
IDC I 15 07 53 21.2–1.8 44.35N 129.30W 0 3.6b,3.4s **¶610237421**
NEIC I 15 07 53 22.2–1.0 44.33N–.08 129.4W–.20 10–2 3.3L,3.4s
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 18 08 00 33.0–1.6 43.95N–.08 128.3W–.10 10 3.1s 36 3-59
NEIC I 18 08 00 30.9–1.3 43.91N–.08 128.5W–.10 10–2 3.8L **¶610237652**
IDC I 18 08 00 33.9–2.6 44.25N 127.87W 0 3.3s,3.2
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.5km s-min=13.4km az=259.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=47.6km s-min=19.4km az=54.0.
ISC II 02 11 52 04.7–2.4 44.4N–.20 130.5W–.30 10 2.8b 8 6-70
IDC II 02 11 52 04.2–3.1 44.56N 130.14W 0 3.5L,3.1 **¶610414668**
ISC Event type ke.
IDC Error ellipse: s-maj=69.8km s-min=18.6km az=52.0.
ISC II 24 06 35 55.2–1.7 43.5N–.10 127.3W–.10 10 3.4s,3.3b 58 2-60
IDC II 24 06 35 55.4–2.1 43.63N 127.06W 0 3.4s,3.4 **¶610240072**
NEIC II 24 06 35 56.0–1.6 43.46N–.08 127.17W–.09 10–2 3.3L,3.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 26 14 01 55.7–2.1 43.0N–.20 127.2W–.20 10 7 4-60
IDC II 26 14 01 55.7–2.4 43.28N 126.86W 0 3.1L,2.9s **¶610385067**
ISC Event type ke.
IDC Error ellipse: s-maj=50.7km s-min=16.5km az=46.0.
NEIC III 17 09 27 33.5–1.6 43.99N–.06 125.78W–.09 10–2 3.3,2.6L
SEA III 17 09 27 40.7–.84 44.1N–.10 125.8W–.10 5–2 3.3,2.6L **¶610339956**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SEA Event type se. hypocenter. manual.
ISC III 27 07 43 03.6–1.3 42.1N–.20 126.8W–.10 10 3.7b 11 3-88
IDC III 27 07 43 01.8–1.6 42.04N 126.79W 0 3.6b,3.4 **¶610543786**
ISC Event type ke.
IDC Error ellipse: s-maj=44.8km s-min=13.2km az=32.0.
ISC IV 12 01 45 06.3–.79 43.46N–.08 126.90W–.09 14 4.2b,3.4s 160 2-97
IDC IV 12 01 45 05.4–1.8 43.61N 126.81W 0 3.5,3.5b **¶610526869**
NEIC IV 12 01 45 05.8–1.8 43.42N–.07 126.9W–.10 10–1 4.2b,3.3L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IV 24 01 52 41.8–3.1 44.37N 128.62W 0 3.1s,3.1L **¶610649849**
IDC Error ellipse: s-maj=65.8km s-min=23.0km az=49.0.
ISC V 04 14 27 34.9–.58 43.49N–.06 127.08W–.06 14 4.2b,3.3s 244 2-96
IDC V 04 14 27 32.0–1.0 43.52N 127.12W 0 3.8,3.7b **¶610598512**
NEIC V 04 14 27 34.6–2.5 43.42N–.05 127.02W–.08 10–1 4.2b,3.3L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC V 08 16 41 59.7–5.2 44.21N 128.66W 0 3.0,2.8b **¶610689802**
IDC Error ellipse: s-maj=85.3km s-min=32.9km az=67.0.
ISC V 13 20 10 31.7–.61 44.39N–.08 129.70W–.08 13 4.3b,3.9s 374 4-150
IDC V 13 20 10 28.8–.80 44.39N 129.85W 0 4.1,4.0b **¶610638569**
NEIC V 13 20 10 31.6–1.5 44.39N–.08 129.7W–.10 10–1 4.4b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VI 03 07 14 21.9–3.6 43.98N 128.13W 0 3.0s,2.9 **¶610791160**
IDC Error ellipse: s-maj=89.6km s-min=20.8km az=48.0.
ISC VI 04 16 21 04.8–1.7 43.35N–.08 127.4W–.10 15 3.0s,2.9b 59 2-60
IDC VI 04 16 21 03.6–2.4 43.59N 127.24W 0 3.8L,3.2 **¶610661359**
NEIC VI 04 16 21 07.0–1.2 43.38N–.04 127.1W–.20 10–2 3.1L,3.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PGC VI 06 10 37 56.7–.02 43.94N 128.40W 10 3.8W,3.2 **¶612418418**
PGC Event type ke. Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0. 598km Ssw of Ucluelet, Bc Off Coast Of Oregon.

(31) Near coast of Oregon.

ISC IV 15 14 48 34.5–.70 44.45N–.03 124.68W–.05 10 3.9b 92 1-86
IDC IV 15 14 48 33.2–1.2 44.47N 124.74W 0 3.6b,3.5 **¶610528591**
SEA IV 15 14 48 35.2–2.4 44.44N–.04 124.62W–.03 38–8 3.9b,3.8L
NEIC IV 15 14 48 35.2–2.2 44.46N–.04 124.59W–.03 10–2 3.9b,3.8L
ISC Event type se.
SEA Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC IV 15 19 06 44.6–1.6 44.42N–.03 124.58W–.01 26–7
SEA IV 15 19 06 44.0–1.7 44.44N–.03 124.62W–.02 37–7 2.7L,2.7L **¶610528527**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SEA Event type se. hypocenter. manual.
NEIC IV 15 19 53 20.0–2.3 44.40N–.03 124.61W–.04 26–7
SEA IV 15 19 53 19.5–1.9 44.42N–.04 124.62W–.04 33–7 2.5L,2.4L **¶610528534**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SEA Event type se. hypocenter. manual.

(34) Off coast of northern California.

ISC I 03 02 18 58.3–1.6 41.78N–.06 126.7W–.10 10 3.5s,3.1b 38 2-61
NEIC I 03 02 18 60.0–1.4 41.75N–.06 126.5W–.10 10–2 3.2L,3.1b **¶610236526**
IDC I 03 02 19 00.5–2.6 42.37N 126.41W 0 3.5s,3.1
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.3km s-min=10.8km az=264.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=47.7km s-min=17.6km az=45.0.
NEIC I 06 17 27 10.4–2.0 40.49N–.05 126.3W–.20 9–13 2.8L,2.7L
NCEDC I 06 17 27 11.1–1.8 40.44N–.05 126.4W–.10 16–9 2.8L,2.7L **¶610570473**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NCEDC Event type se. hypocenter. manual.
NEIC I 27 05 36 17.1–1.2 40.35N–.06 125.54W–.05 9–8
NCEDC I 27 05 36 19.4–1.7 40.33N–.05 125.60W–.04 24–7 3.0L,3.0L **¶610133057**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NCEDC Event type se. hypocenter. manual.
NEIC II 19 05 54 18.8–1.5 40.38N–.07 126.3W–.10 10–2 3.3L,3.3L
NCEDC II 19 05 54 19.3–1.5 40.38N–.07 126.2W–.10 -0–9 3.3L,3.3L **¶611149055**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NCEDC Event type se. hypocenter. manual.
ISC II 21 11 22 28.7–.92 40.77N–.09 127.12W–.09 10 4.0b,3.4s 122 2-89
IDC II 21 11 22 28.0–1.5 41.02N 127.16W 0 3.9,3.9b **¶610239710**
NEIC II 21 11 22 30.1–1.7 40.80N–.07 127.0W–.10 10–2 4.0b,3.6L
NCEDC II 21 11 22 30.9–2.2 40.70N–.05 127.01W–.09 4–2 4.0b,3.6L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NCEDC Event type se. hypocenter. manual.

ISC III 12 22 31 58.5–.93 40.63N–.07 127.27W–.09 10 3.6b,3.5s 55 2-87
IDC III 12 22 31 57.0–1.3 40.62N 127.36W 0 3.5s,3.5 ¶610327604
NEIC III 12 22 31 59.5–1.8 40.64N–.08 127.2W–.20 13–9 3.5L,3.3L
NCEDC III 12 22 31 59.2–5.0 40.28N–.09 127.2W–.10 4–2 3.5L,3.3L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NCEDC Event type se. hypocenter. manual.
NEIC III 23 20 37 55.3–1.6 40.36N–.05 125.42W–.01 12–6
NCEDC III 23 20 37 57.7–2.1 40.42N–.05 125.25W–.05 9–7 3.2L,3.1L ¶610434460
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NCEDC Event type se. hypocenter. manual.
ISC III 27 09 19 56.2–.58 41.81N–.08 126.90W–.07 10 4.4b,3.7s 284 2-99
IDC III 27 09 19 54.8–.98 41.88N 126.92W 0 3.9,3.9b ¶610436971
NEIC III 27 09 19 56.1–2.7 41.83N–.06 126.84W–.08 10–1 4.5b,4.2
NEIC III 27 09 19 56 41.82N 126.84W 10 4.5b,4.2
NCEDC III 27 09 19 57.4–2.1 41.81N–.06 126.80W–.05 9–1 4.5b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-2.49 $M_{\theta\theta}$1.05 $M_{\phi\phi}$1.44 $M_{r\theta}$-0.60 $M_{\theta\phi}$-0.36 $M_{\phi r}$-0.13 NP1:ϕ_s337.13000°,δ42.87000°,λ-75.98000°. NP2:ϕ_s138.32000°,δ48.69000°,λ-102.67000°. Principal axes: T 1.6695,Plg3.0000°,Azm237.0000°; N 0.9254,Plg9.0000°,Azm147.0000°; P -2.5949,Plg80.0000°,Azm344.0000° $M_0$2.28000×10^{15}
NEIC Event type se.
NCEDC Event type se. hypocenter. manual.
ISC IV 16 14 24 56.8–1.9 40.2N–.20 128.4W–.10 10 3.1b 8 5-28
IDC IV 16 14 24 55.9–2.6 40.21N 128.37W 0 3.9L,3.5 ¶610652872
ISC Event type ke.
IDC Error ellipse: s-maj=41.5km s-min=21.5km az=33.0.
ISC V 18 03 20 36.1–1.7 40.42N–.06 125.4W–.10 14 102 1-23
NEIC V 18 03 20 34.5–1.8 40.36N–.04 125.57W–.06 6–8 ¶610641939
IDC V 18 03 20 37.8–2.9 40.64N 125.15W 0 3.1,3.0L
NCEDC V 18 03 20 37.8–2.3 40.40N–.05 125.47W–.07 18–8 4.0,3.2L
NEIC V 18 03 20 37.8 40.40N 125.47W 21 4.0,3.2L
NEIC V 18 03 20 37.8 40.40N 125.47W 18 4.0,3.2L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=6.5km s-min=6.1km az=209.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=32.4km s-min=21.1km az=89.0.
NCEDC Event type se. Error ellipse: s-maj=9.2km s-min=5.7km az=53.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}0.12 $M_{\theta\theta}$-0.14 $M_{\phi\phi}$0.02 $M_{r\theta}$0.31 $M_{\theta\phi}$-1.05 $M_{\phi r}$-0.05 NP1:ϕ_s182.70000°,δ73.13000°,λ4.26000°. NP2: ϕ_s91.46000°,δ85.92000°,λ163.09000°. Principal axes: T 1.0587,Plg15.0000°,Azm46.0000°; N 0.0838,Plg73.0000°,Azm258.0000°; P -1.1424,Plg9.0000°,Azm138.0000° $M_0$1.10000×10^{15}
NEIC Event type se.
IDC V 21 08 44 05.8–2.6 41.97N 127.38W 0 3.4b,3.3 ¶610685074
IDC Error ellipse: s-maj=70.3km s-min=26.9km az=42.0.
ISC VI 17 16 20 26.2–1.4 41.84N–.07 126.67W–.10 10 3.4b 34 2-67
NEIC VI 17 16 20 24.4–1.9 41.88N–.06 126.8W–.10 11–10 3.1,2.7L ¶610681908
NCEDC VI 17 16 20 25.2–2.1 41.80N–.06 126.9W–.10 4–2 3.1,2.7L
IDC VI 17 16 20 27.9–2.5 42.39N 126.40W 0 3.5b,3.4
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.5km s-min=8.4km az=81.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NCEDC Event type se. Error ellipse: s-maj=15.6km s-min=10.1km az=267.0. hypocenter. manual.
IDC Error ellipse: s-maj=55.2km s-min=16.4km az=41.0.

(35) Near coast of northern California.

NEIC I 10 16 23 55.6–1.6 40.30N–.03 124.06W–.05 32–9
NCEDC I 10 16 23 55.7–1.5 40.31N–.03 124.07W–.05 33–7 3.2L,3.1L ¶610570583
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NCEDC Event type se. hypocenter. manual.
NCEDC I 19 00 41 26.7–1.8 40.36N–.03 124.6W–.10 27–8 3.1L,3.0L
NEIC I 19 00 41 26.2–.91 40.34N–.03 124.56W–.08 33–9 3.1L,3.0L ¶610101672
NCEDC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 28 01 31 59.1–1.2 40.34N–.04 124.72W–.07 25 94 0-87
IDC II 28 01 31 57.9–1.9 40.53N 124.55W 0 3.4L,3.3 ¶610241739
NEIC II 28 01 31 58.6–.90 40.30N–.04 124.78W–.08 26–11 3.4L,3.3
NCEDC II 28 01 31 60.0–2.0 40.33N–.02 124.68W–.06 19–4 3.1L,2.9L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NCEDC Event type se. hypocenter. manual.
NEIC III 02 20 23 44.1–1.5 40.26N–.03 124.48W–.05 16–6
NCEDC III 02 20 23 45.0–2.5 40.29N–.02 124.40W–.05 8–6 3.9,3.3L ¶610244531
NEIC III 02 20 23 45 40.29N 124.40W 8 3.9,3.3L
NEIC III 02 20 23 45 40.29N 124.40W 8 3.9,3.3L
NEIC Event type se. Error ellipse: s-maj=6.0km s-min=4.3km az=97.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NCEDC Event type se. Error ellipse: s-maj=5.8km s-min=2.8km az=91.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}0.09 $M_{\theta\theta}$-2.50 $M_{\phi\phi}$2.41 $M_{r\theta}$1.97 $M_{\theta\phi}$-6.48 $M_{\phi r}$1.98 NP1:ϕ_s282.03000°,δ73.34000°,λ-169.64000°. NP2: ϕ_s189.03000°,δ80.08000°,λ-16.92000°. Principal axes: T 6.9237,Plg5.0000°,Azm236.0000°; N 0.9924,Plg70.0000°,Azm340.0000°; P -7.9162,Plg19.0000°,Azm145.0000° $M_0$7.47000×10^{14}
NEIC Event type se.
NEIC III 05 03 31 28.9–.98 39.76N–.01 123.39W–.02 5–2
NCEDC III 05 03 31 28.4–1.1 39.76N–.01 123.38W–.02 6–5 3.0,2.7L ¶610245374
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NCEDC Event type se. hypocenter. manual.
ISC III 06 19 19 21.0–.72 40.30N–.05 124.75W–.06 25 3.7b,3.2s 222 0-91
NEIC III 06 19 19 19.3 40.33N 124.80W 30 3.7b,3.2s ¶610247300
NEIC III 06 19 19 19.3 40.33N 124.80W 10 3.7b,3.2s
IDC III 06 19 19 19.7–1.2 40.41N 124.40W 0 3.7,3.7b
NEIC III 06 19 19 20.4–1.7 40.32N–.03 124.73W–.07 26–9 3.7,3.7b
NCEDC III 06 19 19 20.8–2.0 40.35N–.01 124.78W–.06 25–7 4.0,3.9b
ISC Event type se.
NEIC Event type se. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-0.02 $M_{\theta\theta}$-0.27 $M_{\phi\phi}$0.29 $M_{r\theta}$-1.19 $M_{\theta\phi}$0.40 $M_{\phi r}$-0.61 NP1:ϕ_s65.02000°,δ88.58000°,λ-70.52000°. NP2: ϕ_s159.04000°,δ19.53000°,λ-175.74000°. Principal axes: T 1.4857,Plg40.0000°,Azm137.0000°; N -0.1381,Plg19.0000°,Azm245.0000°; P -1.3475,Plg43.0000°,Azm354.0000° $M_0$1.42000×10^{15}
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NCEDC Event type se. hypocenter. manual.
NEIC III 07 12 59 40.1–2.2 38.76N–.01 123.20W–.02 5–2
NCEDC III 07 12 59 40.4–2.3 38.78N–.01 123.16W–.02 5–6 3.1L,2.8L ¶610271552
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NCEDC Event type se. hypocenter. manual.
NEIC IV 06 21 15 22.4–1.6 40.23N–.02 124.61W–.04 11–5
NCEDC IV 06 21 15 24.3–2.6 40.31N–.02 124.43W–.04 7–4 3.1L,3.1L ¶610518263
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NCEDC Event type se. hypocenter. manual.
NCEDC V 29 18 21 22.5–1.7 38.90N–.04 123.00W–.08 4–7 3.3,2.6L
NEIC V 29 18 21 24.9–1.4 38.85N–.03 123.05W–.08 8–6 3.3,2.6L ¶610655570
NEIC V 29 18 21 25.3 38.90N 123.00W 4 3.3,2.6L
NEIC V 29 18 21 25.3 38.90N 123.00W 8 3.3,2.6L
NCEDC Event type se. Error ellipse: s-maj=9.3km s-min=4.5km az=64.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=9.7km s-min=4.5km az=75.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution. Moment tensor: Scale 10^{13}Nm; M_{rr}2.11 $M_{\theta\theta}$-9.05 $M_{\phi\phi}$6.94 $M_{r\theta}$2.92 $M_{\theta\phi}$2.07 $M_{\phi r}$3.41 NP1:ϕ_s319.49000°,δ60.51000°,λ167.56000°. NP2: ϕ_s55.68000°,δ79.19000°,λ30.07000°. Principal axes: T 9.2628,Plg29.0000°,Azm281.0000°; N 0.5972,Plg58.0000°,Azm74.0000°; P -9.8600,Plg12.0000°,Azm184.0000° $M_0$9.58000×10^{13}
NEIC VI 11 12 19 28.1–1.7 41.05N–.02 124.20W–.07 21–4
NCEDC VI 11 12 19 29.8–1.9 41.04N–.02 124.11W–.03 23–6 3.5,3.2L ¶610669634
NEIC VI 11 12 19 29.8 41.04N 124.10W 20 3.5,3.2L
NEIC VI 11 12 19 29.8 41.04N 124.10W 21 3.5,3.2L
NEIC Event type se. Error ellipse: s-maj=7.5km s-min=3.5km az=90.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NCEDC Event type se. Error ellipse: s-maj=3.7km s-min=3.4km az=69.0. hypocenter. manual.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}-0.12 $M_{\theta\theta}$0.21 $M_{\phi\phi}$-0.08 $M_{r\theta}$-0.34 $M_{\theta\phi}$-2.41 $M_{\phi r}$0.02 NP1:ϕ_s268.29000°,δ89.95000°,λ171.99000°. NP2: ϕ_s358.30000°,δ81.99000°,λ0.05000°. Principal axes: T 2.5041,Plg6.0000°,Azm223.0000°; N -0.1257,Plg82.0000°,Azm88.0000°; P -2.3784,Plg6.0000°,Azm314.0000° $M_0$2.44000×10^{14}
NCEDC VI 16 05 00 22.3–2.2 40.44N–.03 124.47W–.08 25–7 3.1L,2.9L
NEIC VI 16 05 00 21.4–1.6 40.44N–.03 124.52W–.09 30–9 3.1L,2.9L ¶610675499
NCEDC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 24 21 22 02.2–1.2 40.27N–.03 124.38W–.05 13–7 4.1b,3.1s 236 0-91
IDC VI 24 21 22 00.5–.93 40.30N 124.28W 0 4.2L,3.8 ¶610694570
ANF VI 24 21 22 01.5–.83 40.17N 124.72W 10 4.2L,3.8
NEIC VI 24 21 22 02.6–1.6 40.27N–.03 124.38W–.06 16–6 4.2L,3.8
NCEDC VI 24 21 22 03.1–2.4 40.29N–.04 124.30W–.06 9–5 4.2b,4.0
NEIC VI 24 21 22 03.1 40.29N 124.29W 8 4.2b,4.0
NEIC VI 24 21 22 03.1 40.29N 124.29W 11 4.2b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=15.0km s-min=11.0km az=55.0.
ANF Error ellipse: s-maj=10.7km s-min=5.3km az=82.0.
NEIC Event type se. Error ellipse: s-maj=6.5km s-min=4.2km az=76.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NCEDC Event type se. Error ellipse: s-maj=6.4km s-min=6.0km az=59.0. hypocenter. manual.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}1.01 $M_{\theta\theta}$-1.51 $M_{\phi\phi}$0.50 $M_{r\theta}$-0.06 $M_{\theta\phi}$0.12 $M_{\phi r}$-0.45 NP1:ϕ_s246.46000°,δ53.21000°,λ50.48000°. NP2: ϕ_s120.49000°,δ51.85000°,λ130.39000°. Principal axes: T 1.2768,Plg59.0000°,Azm94.0000°; N 0.2405,Plg31.0000°,Azm273.0000°; P -1.5173,Plg1.0000°,Azm3.0000° $M_0$1.41000×10^{15}

(36) Northern California.

NEIC I 07 20 05 43.2–1.8 39.353N–.01 122.75W–.02 10–8
NCEDC I 07 20 05 43.0–1.1 39.33N–.01 122.81W–.02 9–7 3.0L,2.9L ¶610570511
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NCEDC Event type se. hypocenter. manual.
ISC I 27 19 08 29.5–.78 38.80N–.02 122.75W–.02 7–4 3.4s 195 0-64
IDC I 27 19 08 29.5–1.7 38.83N 122.84W 0 3.5L,3.4 ¶610145088
NEIC I 27 19 08 29.4–2.2 38.80N–.01 122.78W–.02 17–4 3.5L,3.4
NCEDC I 27 19 08 29.7–2.8 38.79N–.01 122.76W–.02 3–4 4.2,3.9
NEIC I 27 19 08 29.7 38.79N 122.76W 2 4.2,3.9
ISC Event type se.
IDC Error ellipse: s-maj=19.4km s-min=10.7km az=53.0.
NEIC Event type se. Error ellipse: s-maj=2.9km s-min=1.9km az=62.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-0.99 $M_{\theta\theta}$-1.78 $M_{\phi\phi}$2.77 $M_{r\theta}$0.94 $M_{\theta\phi}$0.20 $M_{\phi r}$-0.47 NP1:ϕ_s222.77000°,δ61.32000°,λ-20.88000°. NP2:ϕ_s323.15000°,δ71.78000°,λ-149.65000°. Principal axes: T 2.8255,Plg7.0000°,Azm91.0000°; N -0.3925,Plg55.0000°,Azm351.0000°; P -2.4329,Plg34.0000°,Azm186.0000° $M_0$2.65000×10^{15}
NCEDC Event type se. Error ellipse: s-maj=2.1km s-min=1.7km az=89.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}-3.12 $M_{\theta\theta}$-5.80 $M_{\phi\phi}$8.92 $M_{r\theta}$2.18 $M_{\theta\phi}$-2.69 $M_{\phi r}$0.67 NP1:ϕ_s308.29000°,δ69.93000°,λ-160.69000°. NP2: ϕ_s211.44000°,δ71.90000°,λ-21.17000°. Principal axes: T 9.4012,Plg1.0000°,Azm260.0000°; N -1.9433,Plg62.0000°,Azm353.0000°; P -7.4578,Plg28.0000°,Azm169.0000° $M_0$8.60000×10^{14}
ISC II 03 16 13 42.4–1.3 40.24N–.03 123.70W–.06 37–1 100 0-40
IDC II 03 16 13 37.1–2.5 40.30N 123.77W 0 4.3b,3.8L ¶610189550
NEIC II 03 16 13 41.8–1.3 40.24N–.03 123.65W–.04 32–7 4.3b,3.8L
NCEDC II 03 16 13 42.3–1.4 40.24N–.03 123.65W–.03 31–7 3.7L,3.2L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NCEDC Event type se. hypocenter. manual.
NEIC II 06 14 02 38.5–.72 38.57N–.02 122.28W–.03 16–3
NCEDC II 06 14 02 38.6–1.2 38.562N–.01 122.29W–.02 9–4 3.0L,2.8L ¶610198062
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NCEDC Event type se. hypocenter. manual.
NEIC II 06 14 08 50.3–.98 38.57N–.02 122.28W–.02 19–2
NCEDC II 06 14 08 50.4–1.5 38.56N–.01 122.28W–.02 10–4 3.0L,2.8L ¶610198063
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NCEDC Event type se. hypocenter. manual.
ISC II 07 07 39 14.9–.88 38.79N–.02 122.81W–.03 10 85 0-18
NCEDC II 07 07 39 14.6–1.1 38.80N–.01 122.79W–.02 1–2 3.2L,3.0L ¶610198727
NEIC II 07 07 39 14.9–1.2 38.80N–.01 122.81W–.01 4–3 3.2L,3.0L
IDC II 07 07 39 16.6–2.0 38.71N 122.55W 0 3.2L,3.0
ISC Event type se.
NCEDC Event type se. Error ellipse: s-maj=2.7km s-min=1.3km az=68.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=2.1km s-min=1.3km az=212.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=26.1km s-min=12.8km az=46.0.
NEIC II 11 09 00 55.4–1.3 38.568N–.01 122.29W–.03 17–3
NCEDC II 11 09 00 55.6–1.9 38.56N–.01 122.29W–.02 5–5 3.2,3.0L ¶610208135
NEIC II 11 09 00 55.6 38.56N 122.29W 8 3.2,3.0L
NEIC Event type se. Error ellipse: s-maj=3.9km s-min=0.4km az=67.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NCEDC Event type se. Error ellipse: s-maj=2.0km s-min=1.7km az=76.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution. Moment tensor: Scale 10^{13}Nm; M_{rr}6.26 $M_{\theta\theta}$-4.60 $M_{\phi\phi}$-1.67 $M_{r\theta}$3.03 $M_{\theta\phi}$6.37 $M_{\phi r}$2.52 NP1:ϕ_s338.00000°,δ52.00000°,λ136.00000°. NP2: ϕ_s99.00000°,δ57.00000°,λ47.00000°. Principal axes: T 8.9739,Plg55.0000°,Azm312.0000°; N 0.7357,Plg35.0000°; P -9.7096,Plg3.0000°,Azm218.0000° $M_0$9.34000×10^{13}
ISC II 21 00 57 53.0–.73 38.77N–.02 122.75W–.02 7–4 3.7b 149 0-93
NCEDC II 21 00 57 52.7–1.2 38.80N–.02 122.74W–.05 1–5 4.2,4.0b ¶610237806
NEIC II 21 00 57 52.7 38.80N 122.73W 4 4.2,4.0b
IDC II 21 00 57 52.4–1.3 38.73N 122.62W 0 3.4s,3.4
NEIC II 21 00 57 53.2–3.0 38.82N–.02 122.71W–.04 10–1 3.4s,3.4
ISC Event type se.
NCEDC Event type se. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-0.92 $M_{\theta\theta}$-1.05 $M_{\phi\phi}$1.97 $M_{r\theta}$0.49 $M_{\theta\phi}$0.50 $M_{\phi r}$-1.17 NP1:ϕ_s228.40000°,δ43.18000°,λ-24.11000°. NP2: ϕ_s336.48000°,δ73.77000°,λ-130.58000°. Principal axes: T 2.4157,Plg19.0000°,Azm96.0000°; N -0.5646,Plg39.0000°,Azm350.0000°; P -1.8512,Plg46.0000°,Azm205.0000° $M_0$2.19000×10^{15}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC III 16 16 09 56.2–2.1 40.61N–.02 121.85W–.03 20–7

NCEDC III 16 16 09 57.0–1.8 40.61N–.02 121.84W–.02 17–6 3.1L,2.9L ¶610330743
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NCEDC Event type se. hypocenter. manual.
ISC IV 17 20 31 45.1–1.4 38.77N–.02 122.71W–.02 1–12 3.3s 184 0-31
IDC IV 17 20 31 44.9–2.0 38.80N 122.83W 0 3.3L,3.1s ¶610529582
NEIC IV 17 20 31 45.4–1.8 38.77N–.01 122.73W–.02 11–4 3.3L,3.1s
NCEDC IV 17 20 31 45.2–2.7 38.77N–.01 122.72W–.02 1–6 3.7,3.3L
NEIC IV 17 20 31 45.2 38.78N 122.73W 2 3.7,3.3L
NEIC IV 17 20 31 45.2 38.78N 122.73W 1 3.7,3.3L
ISC Event type se.
IDC Error ellipse: s-maj=22.4km s-min=10.4km az=49.0.
NEIC Event type se. Error ellipse: s-maj=2.1km s-min=1.7km az=47.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NCEDC Event type se. Error ellipse: s-maj=2.7km s-min=1.7km az=59.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}-3.73 $M_{\theta\theta}$-1.26 $M_{\phi\phi}$4.98 $M_{r\theta}$1.85 $M_{\theta\phi}$0.78 $M_{\phi r}$0.89 NP1:ϕ_s341.86000°,δ44.12000°,λ-129.77000°. NP2: ϕ_s211.08000°,δ57.65000°,λ-58.19000°. Principal axes: T 5.2248,Plg7.0000°,Azm279.0000° ; N -0.4884,Plg26.0000°,Azm13.0000°; P -4.7363,Plg62.0000°,Azm175.0000° $M_0$5.00000×10^{14}
NEIC Event type se.
ISC IV 30 10 12 16.6–1.3 38.77N–.02 122.78W–.02 1–10 3.8s,3.7b 212 0-88
IDC IV 30 10 12 15.9–1.2 38.73N 122.75W 0 3.6s,3.6b ¶610589481
NEIC IV 30 10 12 16.5–1.9 38.784N–.01 122.80W–.03 15–1 3.6s,3.6b
NCEDC IV 30 10 12 16.3–2.1 38.79N–.01 122.78W–.02 3–5 4.0,3.6L
NEIC IV 30 10 12 16.3 38.79N 122.78W 2 4.0,3.6L
NEIC IV 30 10 12 16.3 38.79N 122.78W 4 4.0,3.6L
ANF IV 30 10 12 17.4–.78 38.60N 122.76W 0 4.0L,3.6L
ISC Event type se.
IDC Error ellipse: s-maj=15.7km s-min=9.6km az=52.0.
NEIC Event type se. Error ellipse: s-maj=3.0km s-min=1.1km az=81.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NCEDC Event type se. Error ellipse: s-maj=2.1km s-min=1.7km az=59.0. hypocenter. manual.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-0.31 $M_{\theta\theta}$-0.36 $M_{\phi\phi}$0.67 $M_{r\theta}$-0.25 $M_{\theta\phi}$0.98 $M_{\phi r}$-0.34 NP1:ϕ_s256.61000°,δ82.93000°,λ12.92000°. NP2: ϕ_s164.99000°,δ77.18000°,λ172.75000°. Principal axes: T 1.3640,Plg14.0000°,Azm121.0000° ; N -0.4117,Plg75.0000°,Azm285.0000°; P -0.9523,Plg4.0000°,Azm30.0000° $M_0$1.21000×10^{15}
ANF Error ellipse: s-maj=8.3km s-min=5.3km az=69.0.
ISC VI 06 01 49 38.7–1.0 38.80N–.02 122.78W–.02 5–7 152 0-18
NCEDC VI 06 01 49 39.0–2.1 38.82N–.01 122.81W–.02 3–5 3.3L,3.2L ¶610664100
NEIC VI 06 01 49 39.1–1.8 38.822N–.01 122.81W–.02 13–3 3.3L,3.2L
IDC VI 06 01 49 39.5–3.6 38.62N 122.89W 0 3.5L,3.2
ISC Event type se.
NCEDC Event type se. Error ellipse: s-maj=2.7km s-min=1.9km az=61.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=2.2km s-min=0.9km az=67.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=46.3km s-min=29.6km az=15.0.
ISC VI 27 09 02 02.7–.91 39.50N–.02 120.37W–.02 10–8 221 0-11
NEIC VI 27 09 02 02.5–1.4 39.47N–.01 120.36W–.01 1–6 ¶610695217
NCEDC VI 27 09 02 02.7–1.7 39.47N–.01 120.34W–.01 -2–6 3.7,3.7
NEIC VI 27 09 02 02.7 39.47N 120.34W -2 3.7,3.7
NEIC VI 27 09 02 02.7 39.47N 120.34W -2 3.7,3.7
NEIC VI 27 09 02 02.7 39.47N 120.34W 8 3.7,3.7
ANF VI 27 09 02 07.1–2.0 39.46N 120.07W 22–10 4.1L,3.7
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=1.5km s-min=1.5km az=220.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}-1.27 $M_{\theta\theta}$-2.84 $M_{\phi\phi}$4.11 $M_{r\theta}$1.44 $M_{\theta\phi}$-0.71 $M_{\phi r}$-0.35 NP1:ϕ_s215.54000°,δ65.17000°,λ-18.51000°. NP2:ϕ_s313.54000° ,δ73.25000°,λ-153.99000°. Principal axes: T 4.2269,Plg5.0000°,Azm83.0000° ; N -0.5133,Plg59.0000°,Azm344.0000°; P -3.7136,Plg30.0000°,Azm176.0000° $M_0$4.00000×10^{14}
NCEDC Event type se. Error ellipse: s-maj=1.5km s-min=1.4km az=219.0. hypocenter. manual.
NEIC Event type se.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}-0.13 $M_{\theta\theta}$-4.80 $M_{\phi\phi}$4.93 $M_{r\theta}$0.81 $M_{\theta\phi}$-0.47 $M_{\phi r}$-0.52 NP1:ϕ_s222.02000°,δ78.98000°,λ-2.16000°. NP2: ϕ_s312.43000°,δ87.88000°,λ-168.98000°. Principal axes: T 5.0123,Plg6.0000°,Azm87.0000° ; N -0.0593,Plg79.0000°,Azm323.0000°; P -4.9530,Plg9.0000°,Azm178.0000° $M_0$4.98000×10^{14}
ANF Error ellipse: s-maj=16.2km s-min=6.0km az=130.0.
ISC VI 27 09 09 21.7–.95 39.48N–.02 120.36W–.02 8–8 292 0-23
ANF VI 27 09 09 14.3–1.9 40.14N 120.80W 7–14 4.8L ¶610695516
REN VI 27 09 09 21.2–2.4 39.47N–.01 120.35W–.01 8–4 4.8L
REN VI 27 09 09 21.7–1.7 39.47N–.01 120.35W–.01 2–5 4.8L
NEIC VI 27 09 09 21.9 39.47N 120.33W -1 4.8L
NCEDC VI 27 09 09 21.9–1.8 39.47N–.01 120.33W–.01 -1–5 4.1b,4.0
IDC VI 27 09 09 22.2–2.4 39.64N 120.16W 0 3.9L,3.1
ISC Event type se.
ANF Error ellipse: s-maj=17.7km s-min=12.5km az=138.0.
REN Event type se. Error ellipse: s-maj=1.7km s-min=1.6km az=168.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=1.6km s-min=1.5km az=221.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}-1.10 $M_{\theta\theta}$-6.85 $M_{\phi\phi}$7.95 $M_{r\theta}$1.05 $M_{\theta\phi}$-0.52 $M_{\phi r}$-0.89 NP1:ϕ_s222.80000°,δ78.91000°,λ-2.88000°. NP2:ϕ_s313.36000°,δ87.18000° ,λ-168.90000°. Principal axes: T 8.0640,Plg6.0000°,Azm88.0000°; N -1.0191,Plg79.0000° ,Azm327.0000°; P -7.0448,Plg10.0000°,Azm179.0000° $M_0$7.61000×10^{14}
NEIC Event type se.
NCEDC Event type se. Error ellipse: s-maj=1.5km s-min=1.5km az=220.0. hypocenter. manual.
IDC Error ellipse: s-maj=24.6km s-min=11.2km az=65.0.
NCEDC VI 27 09 16 28.9–1.3 39.467N–.01 120.33W–.01 -1–7 3.0,2.9L
NEIC VI 27 09 16 28.6–1.1 39.466N–.01 120.35W–.01 1–7 3.0,2.9L ¶610699016
REN VI 27 09 16 28.2–1.9 39.468N–.01 120.35W–.01 6–5 3.0,2.9L
NCEDC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
REN Event type se. hypocenter. manual.
NEIC VI 27 12 14 10.9–1.5 39.467N–.01 120.35W–.01 1–6
REN VI 27 12 14 10.2–2.3 39.47N–.01 120.34W–.01 7–3 ¶610696710
NCEDC VI 27 12 14 11.2–1.7 39.470N–.01 120.34W–.01 -1–6 3.2L,3.2L
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
REN Event type se. hypocenter. manual.
NCEDC Event type se. hypocenter. manual.

(37) Nevada.

NEIC I 19 12 43 20.5–1.2 39.06N–.02 118.81W–.01 3–7
REN I 19 12 43 20.5–1.1 39.04N–.02 118.81W–.02 6–7 2.5L,2.3L ¶610101964
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
REN Event type se. hypocenter. manual.
NEIC II 07 19 01 54.6–3.2 39.57N–.02 115.80W–.03 5–1
REN II 07 19 01 55.0–2.9 39.60N–.01 115.84W–.03 3–5 2.5L,2.4L ¶610198829
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
REN Event type se. hypocenter. manual.
ISC II 14 04 40 29.2–.95 41.51N–.04 116.17W–.04 10 81 1-6
ANF II 14 04 40 29.0–1.8 41.50N 116.20W 8 3.6L ¶610208951
NEIC II 14 04 40 29.4–1.9 41.51N–.04 116.17W–.06 9–8 3.6L
REN II 14 04 40 29.1–1.8 41.50N–.04 116.12W–.04 8–8 3.1L,3.0L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
REN Event type se. hypocenter. manual.
NEIC II 15 10 38 05.3–1.4 38.87N–.02 117.43W–.03 8–6
REN II 15 10 38 05.2–.98 38.87N–.02 117.44W–.02 13–5 2.6L,2.5L ¶610215113
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
REN Event type se. hypocenter. manual.
IDC II 24 17 18 50.5–242 38.03N 117.83W 0 ¶610384948
IDC Error ellipse: s-maj=122.0km s-min=78.3km az=180.0.
NEIC II 27 19 06 02.5–.58 39.068N–.01 119.00W–.02 10–4
REN II 27 19 06 02.3–1.1 39.08N–.01 118.99W–.02 6–5 2.6L,2.4L ¶610241722
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
REN Event type se. hypocenter. manual.
NEIC II 28 00 36 54.6–.68 39.08N–.01 118.99W–.02 7–0
REN II 28 00 36 54.7–.62 39.07N–.01 119.00W–.01 9–5 2.5L,2.3L ¶610241738
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
REN Event type se. hypocenter. manual.
NEIC III 05 09 42 33.7–.92 39.42N–.03 116.80W–.03 8–5
REN III 05 09 42 34–1.4 39.41N–.02 116.85W–.03 4–6 2.5L,2.5L ¶610246837
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
REN Event type se. hypocenter. manual.
NEIC III 08 18 46 50.5–2.2 39.29N–.02 114.98W–.03 5–2
REN III 08 18 46 49.7–2.0 39.27N–.02 115.02W–.04 6–5 3.1L,3.1L ¶610274520
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
REN Event type se. hypocenter. manual.
NEIC III 12 11 01 35.3–.99 39.29N–.03 115.04W–.03 5–6
REN III 12 11 01 33.2–.91 39.29N–.02 115.02W–.03 0–6 3.1L,2.8L ¶610325614
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
REN Event type se. hypocenter. manual.
NEIC III 17 21 10 42.6–1.3 38.86N–.02 115.22W–.03 5–2
REN III 17 21 10 42.0–1.4 38.86N–.02 115.24W–.03 1–6 2.8L,2.4L ¶610344601
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
REN Event type se. hypocenter. manual.
NEIC III 25 10 36 46.3–1.6 38.51N–.03 116.55W–.03 5–2
REN III 25 10 36 47.3–1.3 38.47N–.02 116.59W–.03 6–1 2.5L,2.4L ¶610435119
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
REN Event type se. hypocenter. manual.
NEIC III 27 09 19 31.3–1.4 39.18N–.03 115.94W–.02 6–6
REN III 27 09 19 30.8–1.8 39.19N–.03 115.95W–.02 0–6 3.0L,2.8L ¶610436966
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
REN Event type se. hypocenter. manual.
NEIC III 28 10 19 31.7–2.2 39.30N–.03 117.28W–.04 6–6
REN III 28 10 19 31.8–2.0 39.32N–.04 117.34W–.04 11–6 2.5L,2.5L ¶610437822
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
REN Event type se. hypocenter. manual.
NEIC IV 05 02 32 00.8–1.1 39.34N–.02 118.45W–.02 9–6
REN IV 05 02 32 00.8–1.0 39.34N–.02 118.46W–.01 9–6 2.6L,2.6L ¶610483638
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
REN Event type se. hypocenter. manual.
NEIC IV 06 06 05 22.3–.66 39.12N–.04 116.04W–.04 5–2
REN IV 06 06 05 22.3–.91 39.12N–.04 116.02W–.03 2–6 2.9L,2.9L ¶610505904
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
REN Event type se. hypocenter. manual.
NEIC IV 07 11 15 17.0–1.0 39.61N–.02 115.82W–.05 5–6
REN IV 07 11 15 17.3–1.5 39.63N–.02 115.85W–.03 3–7 2.7L,2.6L ¶610518431
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
REN Event type se. hypocenter. manual.
NEIC IV 08 04 40 15.1–2.9 41.89N–.03 119.63W–.03 13–5
REN IV 08 04 40 14.0–2.5 41.87N–.03 119.64W–.03 10–6 3.5,3.3L ¶610521477
NEIC IV 08 04 40 16 41.87N 119.64W 10 3.5,3.3L
SEA IV 08 04 40 18.4–7.2 42.32N–.04 119.67W–.05 -1–6 3.5,3.3L
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
REN Event type se. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}-1.83 $M_{\theta\theta}$0.83 $M_{\phi\phi}$1.00 $M_{r\theta}$-0.83 $M_{\theta\phi}$0.76 $M_{\phi r}$-0.55 NP1:ϕ_s49.00000°,δ60.00000°,λ-84.00000°. NP2: ϕ_s216.00000°,δ31.00000°,λ-101.00000°. Principal axes: T 1.9290,Plg14.0000° ,Azm134.0000°; N 0.1745,Plg5.0000°,Azm225.0000°; P -2.1035,Plg74.0000°,Azm336.0000° $M_0$2.02000×10^{14}
SEA Event type se.
IDC IV 11 18 55 14.4–918 41.59N 115.10W 0 ¶610652489
IDC Error ellipse: s-maj=363.1km s-min=135.0km az=175.0.
NEIC IV 19 15 29 29.7–.90 39.068N–.01 118.92W–.01 8–5
REN IV 19 15 29 29.8–.98 39.07N–.01 118.92W–.01 8–3 2.6L,2.4L ¶610537720
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
REN Event type se. hypocenter. manual.
NEIC IV 21 10 38 45.4–1.8 40.77N–.04 115.83W–.04 14–6
REN IV 21 10 38 46.5–1.7 40.78N–.05 115.78W–.04 17–6 2.6L,2.5L ¶610546878
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
REN Event type se. hypocenter. manual.
NEIC V 08 22 42 06.6–1.2 39.98N–.02 119.92W–.02 11–3
REN V 08 22 42 06.6–1.6 39.98N–.02 119.93W–.02 8–3 3.1L,2.8L ¶610618191
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
REN Event type se. hypocenter. manual.
NEIC V 11 16 07 31.2–1.6 40.32N–.03 119.58W–.03 18–4
REN V 11 16 07 31.8–2.1 40.29N–.02 119.62W–.02 15–5 2.5L,2.4L ¶610630608
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
REN Event type se. hypocenter. manual.
NEIC V 29 01 14 32.1–.86 39.604N–.01 119.70W–.02 12–2
REN V 29 01 14 32.0–1.1 39.608N–.01 119.71W–.01 6–4 2.3L,2.1L ¶611150909
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
REN Event type se. hypocenter. manual.
NEIC V 29 10 34 42.8–.98 39.62N–.02 119.73W–.02 10–6
REN V 29 10 34 42.4–1.0 39.61N–.01 119.71W–.02 6–5 2.1L,2.0L ¶611150913
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
REN Event type se. hypocenter. manual.
NEIC V 30 03 40 21.1–1.2 39.09N–.02 118.15W–.02 13–3
REN V 30 03 40 20.7–1.1 39.09N–.02 118.16W–.02 14–3 2.5L,2.3L ¶610655717
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
REN Event type se. hypocenter. manual.
NEIC VI 02 19 14 45.6–1.0 39.62N–.01 119.71W–.01 14–2
REN VI 02 19 14 45.4–1.6 39.61N–.01 119.71W–.02 6–3 2.3L,2.1L ¶611150958
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
REN Event type se. hypocenter. manual.

(38) Off coast of California.

ISC I 23 04 22 50.5–1.5 32.96N–.04 118.88W–.03 14–10 146 1-36
IDC I 23 04 22 51.9–3.6 32.93N 119.01W 0 3.3L,3.1b ¶610105274
NEIC I 23 04 22 51.8–1.6 32.97N–.05 118.89W–.04 20–8 3.3L,3.1b
PAS I 23 04 22 52.3–2.6 33.00N–.03 118.90W–.02 6–5 3.6L,3.2L
ANF I 23 04 22 52.3–.71 33.01N 118.85W 26–5 3.5L,3.2L

ECX I 23 04 22 53.7–.42 33.00N 118.66W 10–27 3.6,3.2L
ISC Event type se.
IDC Error ellipse: s-maj=53.4km s-min=22.9km az=48.0.
NEIC Event type se. Error ellipse: s-maj=8.1km s-min=3.8km az=202.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PAS Event type se. Error ellipse: s-maj=4.0km s-min=2.4km az=189.0. hypocenter. manual.
ANF Error ellipse: s-maj=5.3km s-min=3.7km az=11.0.
ECX Error ellipse: s-maj=29.1km s-min=17.4km az=-1.0.

(39) Central California.

ISC I 17 14 55 28.5–.90 35.72N–.02 121.14W–.03 14–5 170 0-6
NEIC I 17 14 55 28.8–1.0 35.73N–.01 121.12W–.02 12–4 **¶610098995**
NCEDC I 17 14 55 29.1–1.7 35.73N–.01 121.09W–.02 7–5 3.1L,2.8L
ANF I 17 14 55 30.3–.86 35.66N 121.11W 25 3.1L,2.8L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=2.4km s-min=2.0km az=76.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NCEDC Event type se. Error ellipse: s-maj=2.8km s-min=2.0km az=82.0. hypocenter. manual.
ANF Error ellipse: s-maj=8.5km s-min=6.2km az=113.0.
ISC I 23 03 15 19.4–.79 36.56N–.02 121.19W–.02 16–4 181 0-7
NEIC I 23 03 15 19.9–1.4 36.56N–.02 121.20W–.02 16–2 **¶610105268**
NCEDC I 23 03 15 19.8–2.1 36.59N–.01 121.15W–.02 8–4 3.5L,3.4L
ANF I 23 03 15 21.2–.61 36.41N 120.93W 0 3.4L,3.4L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=3.1km s-min=1.7km az=221.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NCEDC Event type se. Error ellipse: s-maj=2.5km s-min=1.7km az=61.0. hypocenter. manual.
ANF Error ellipse: s-maj=6.3km s-min=2.9km az=87.0.
ISC I 31 05 35 08.1–.90 36.75N–.02 121.41W–.02 14–6 215 0-5
NEIC I 31 05 35 08.6–1.1 36.76N–.03 121.42W–.07 18–2 **¶610148258**
NEIC I 31 05 35 08.7 36.76N 121.36W 11
NCEDC I 31 05 35 08.7–1.1 36.76N–.04 121.35W–.06 11–3 3.3,3.1L
ANF I 31 05 35 10.0–1.2 36.72N 121.38W 25–10 3.2L,3.1L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=4.1km az=76.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}0.19 $M_{\theta\theta}$-1.06
$M_{\phi\phi}$0.88 $M_{r\theta}$-0.08 $M_{\theta\phi}$0.24 $M_{\phi r}$-0.26 NP1:ϕ_s233.37000°,δ78.78000°,λ14.96000°. NP2:
ϕ_s140.39000°,δ75.34000°,λ168.40000°. Principal axes: T 0.9969,Plg18.0000°,Azm97.0000°
; N 0.0976,Plg71.0000°,Azm269.0000°; P -1.0946,Plg2.0000°,Azm7.0000° $M_0$1.05000$\times10^{14}$
NCEDC Event type se. Error ellipse: s-maj=7.4km s-min=4.7km az=71.0. hypocenter. manual.
ANF Error ellipse: s-maj=8.3km s-min=5.7km az=116.0.
NEIC II 08 16 19 05.0–1.3 36.77N–.01 121.55W–.02 11–2
NCEDC II 08 16 19 05.1–2.3 36.81N–.01 121.52W–.02 3–4 3.0,2.8L **¶610205576**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NCEDC Event type se. hypocenter. manual.
ISC II 15 06 15 11.5–.91 35.20N–.01 117.28W–.01 12–8 136 0-5
ANF II 15 06 15 10.8–.13 35.19N 117.28W 9–1 3.5L **¶610209204**
PAS II 15 06 15 11.3–1.7 35.20N–.01 117.281W–.01 2–7 3.4,3.1L
NEIC II 15 06 15 11.5–.95 35.20N–.01 117.28W–.01 9–7 3.4,3.1L
NEIC II 15 06 15 11.4 35.20N 117.28W 11 3.4,3.1L
ISC Event type se.
ANF Error ellipse: s-maj=1.0km s-min=0.9km az=170.0.
PAS Event type se. Error ellipse: s-maj=1.5km s-min=1.0km az=182.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=1.6km s-min=1.4km az=222.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}0.10 $M_{\theta\theta}$-0.68
$M_{\phi\phi}$0.58 $M_{r\theta}$0.33 $M_{\theta\phi}$1.32 $M_{\phi r}$0.31 NP1:ϕ_s346.00000°,δ75.00000°,λ171.00000°. NP2:
ϕ_s78.00000°,δ81.00000°,λ15.00000°. Principal axes: T 1.5455,Plg17.0000°,Azm303.0000°
; N -0.0256,Plg73.0000°,Azm108.0000°; P -1.5199,Plg4.0000°,Azm212.0000°
$M_0$1.53000$\times10^{14}$
ISC II 21 22 46 23.8–.97 36.63N–.02 121.02W–.02 10–6 176 0-6
NCEDC II 21 22 46 23.8–2.1 36.63N–.01 120.99W–.02 1–7 3.3,3.2L **¶610239511**
NEIC II 21 22 46 23.8 36.65N 120.99W 11 3.3,3.2L
NEIC II 21 22 46 24.2–1.2 36.61N–.01 121.04W–.01 16–2 3.3,3.2L
ANF II 21 22 46 24.7–.60 36.58N 120.87W 0 3.5L,3.2L
ISC Event type se.
NCEDC Event type se. Error ellipse: s-maj=2.2km s-min=1.6km az=222.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}8.07 $M_{\theta\theta}$-8.15
$M_{\phi\phi}$0.09 $M_{r\theta}$6.61 $M_{\theta\phi}$2.13 $M_{\phi r}$-2.86 NP1:ϕ_s276.00000°,δ25.00000°,λ77.00000°. NP2:
ϕ_s110.00000°,δ65.00000°,λ96.00000°. Principal axes: T 10.7957,Plg69.0000°,Azm32.0000°
; N 0.4914,Plg5.0000°,Azm288.0000°; P -11.2871,Plg20.0000°,Azm196.0000°
$M_0$1.10000$\times10^{14}$
NEIC Event type se. Error ellipse: s-maj=2.3km s-min=0.8km az=137.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ANF Error ellipse: s-maj=5.9km s-min=4.5km az=172.0.
NEIC II 22 18 18 24.3–1.8 36.53N–.01 121.17W–.02 5–1
NCEDC II 22 18 18 24.2–1.9 36.544N–.01 121.13W–.02 7–4 2.9,2.7L **¶610239610**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NCEDC Event type se. hypocenter. manual.
ISC II 26 14 58 39.6–.80 36.95N–.02 121.58W–.02 17–5 241 0-7
NEIC II 26 14 58 39.9–1.5 36.89N–.01 121.640W–.01 13–2 **¶610241371**
NEIC II 26 14 58 40.1 36.96N 121.58W 5
NCEDC II 26 14 58 40.1–2.0 36.96N–.01 121.58W–.02 4–4 3.6,3.5L
ANF II 26 14 58 40.4–1.5 36.78N 121.67W 15–13 3.8L,3.5L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=2.1km s-min=0.9km az=182.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}-0.31 $M_{\theta\theta}$-1.81
$M_{\phi\phi}$2.12 $M_{r\theta}$0.12 $M_{\theta\phi}$-2.42 $M_{\phi r}$0.17 NP1:ϕ_s199.44000°,δ88.38000°,λ-3.88000°. NP2:
ϕ_s289.55000°,δ86.12000°,λ-178.37000°. Principal axes: T 3.2775,Plg2.0000°,Azm245.0000°
; N -0.3045,Plg86.0000°,Azm357.0000°; P -2.9730,Plg4.0000°,Azm154.0000°
$M_0$3.14000$\times10^{14}$
NCEDC Event type se. Error ellipse: s-maj=1.9km s-min=1.4km az=58.0. hypocenter. manual.
ANF Error ellipse: s-maj=11.7km s-min=8.1km az=141.0.
NCEDC II 26 19 55 49.2–2.1 36.81N–.03 121.54W–.06 7–3 3.4,3.2L
NEIC II 26 19 55 48.5–1.7 36.78N–.03 121.65W–.06 17–3 3.4,3.2L **¶610241542**
NEIC II 26 19 55 49.2 36.81N 121.54W 8 3.4,3.2L
NCEDC Event type se. Error ellipse: s-maj=8.0km s-min=3.7km az=66.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=7.4km s-min=3.2km az=56.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}0.25 $M_{\theta\theta}$-1.51
$M_{\phi\phi}$1.26 $M_{r\theta}$-0.58 $M_{\theta\phi}$-0.04 $M_{\phi r}$-0.20 NP1:ϕ_s136.00000°,δ70.00000°,λ-176.00000°. NP2:
ϕ_s44.00000°,δ86.00000°,λ-20.00000°. Principal axes: T 1.3009,Plg11.0000°,Azm92.0000°
; N 0.3887,Plg70.0000°,Azm214.0000°; P -1.6896,Plg17.0000°,Azm358.0000°
$M_0$1.50000$\times10^{14}$
ISC III 08 17 20 23.8–.94 36.62N–.02 121.29W–.02 17–5 269 0-7
NCEDC III 08 17 20 23.5–2.4 36.64N–.01 121.26W–.02 7–4 3.7,3.6L **¶610274511**
ANF III 08 17 20 23.1–.70 36.57N 121.21W 0 3.8L,3.6L
NEIC III 08 17 20 23.5–1.5 36.60N–.02 121.32W–.03 17–2 3.8L,3.6L
NEIC III 08 17 20 23.5 36.63N 121.26W 7 3.8L,3.6L
NEIC III 08 17 20 23.5 36.63N 121.26W 14 3.8L,3.6L
ISC Event type se.
NCEDC Event type se. Error ellipse: s-maj=2.2km s-min=1.6km az=65.0. hypocenter. manual.
ANF Error ellipse: s-maj=7.2km s-min=4.9km az=136.0.
NEIC Event type se. Error ellipse: s-maj=3.5km s-min=2.5km az=66.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}0.56 $M_{\theta\theta}$-4.56
$M_{\phi\phi}$4.00 $M_{r\theta}$-0.55 $M_{\theta\phi}$0.98 $M_{\phi r}$-1.46 NP1:ϕ_s233.23000°,δ78.98000°,λ17.72000°. NP2:
ϕ_s139.74000°,δ72.62000°,λ168.45000°. Principal axes: T 4.6651,Plg20.0000°,Azm97.0000°
; N 0.0325,Plg69.0000°,Azm264.0000°; P -4.6976,Plg4.0000°,Azm6.0000° $M_0$4.68000$\times10^{14}$
ISC III 13 14 39 04.3–.91 35.88N–.02 120.05W–.02 16–7 168 0-7
NEIC III 13 14 39 04.3–2.2 35.89N–.02 120.04W–.03 19–3 **¶610327076**
NCEDC III 13 14 39 04.2–1.5 35.88N–.02 120.06W–.02 15–2 3.5,3.2L
ANF III 13 14 39 04.3–.46 35.85N 119.99W 12–2 3.6L,3.2L
NEIC III 13 14 39 04.2 35.88N 120.06W 13 3.6L,3.2L
NEIC III 13 14 39 04.2 35.88N 120.06W 18 3.6L,3.2L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=3.7km s-min=3.4km az=107.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NCEDC Event type se. Error ellipse: s-maj=2.6km s-min=2.4km az=172.0. hypocenter. manual.
ANF Error ellipse: s-maj=4.0km s-min=2.0km az=116.0.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}2.07 $M_{\theta\theta}$-1.45
$M_{\phi\phi}$-0.62 $M_{r\theta}$-1.11 $M_{\theta\phi}$0.63 $M_{\phi r}$0.68 NP1:ϕ_s117.25000°,δ28.00000°,λ87.52000°. NP2:
ϕ_s300.06000°,δ62.03000°,λ91.32000°. Principal axes: T 2.4741,Plg73.0000°,Azm213.0000°
; N -0.2814,Plg1.0000°,Azm119.0000°; P -2.1927,Plg17.0000°,Azm29.0000°
$M_0$2.35000$\times10^{14}$
ISC III 16 15 50 28.8–.91 36.10N–.02 120.20W–.02 15–7 230 0-7
NEIC III 16 15 50 28.7 36.10N 120.22W 8 **¶610330740**
NCEDC III 16 15 50 28.7–2.4 36.10N–.01 120.22W–.02 9–6 3.4,3.3L
NEIC III 16 15 50 28.7–2.0 36.10N–.01 120.20W–.02 23–8 3.4,3.3L
ANF III 16 15 50 29.6–.48 36.07N 120.15W 13–2 3.5L,3.3L
ISC Event type se.
NEIC Event type se. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}0.46 $M_{\theta\theta}$-1.01
$M_{\phi\phi}$0.55 $M_{r\theta}$-0.25 $M_{\theta\phi}$1.15 $M_{\phi r}$0.34 NP1:ϕ_s73.00000°,δ72.00000°,λ3.00000°. NP2:
ϕ_s342.00000°,δ87.00000°,λ162.00000°. Principal axes: T 1.2095,Plg15.0000°,Azm296.0000°
; N 0.4737,Plg72.0000°,Azm152.0000°; P -1.6832,Plg10.0000°,Azm29.0000°
$M_0$1.45000$\times10^{14}$
NCEDC Event type se. Error ellipse: s-maj=1.8km s-min=1.5km az=102.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=2.6km s-min=1.5km az=51.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ANF Error ellipse: s-maj=3.8km s-min=1.7km az=120.0.
NEIC III 16 16 15 08.7–1.1 36.92N–.01 121.72W–.02 18–1
NCEDC III 16 16 15 09.2–2.3 36.936N–.01 121.68W–.01 11–2 3.0,2.6L **¶610330744**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NCEDC Event type se. hypocenter. manual.
NCEDC III 21 08 52 51.6–2.1 36.88N–.01 121.34W–.01 7–3 3.1L,3.0L
NEIC III 21 08 52 51.8–1.2 36.86N–.01 121.37W–.02 15–2 3.1L,3.0L **¶610394262**
NCEDC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 26 08 07 21.8–.81 36.54N–.02 121.19W–.02 11–5 180 0-6
NEIC III 26 08 07 22.1–1.3 36.53N–.02 121.21W–.03 18–2 **¶610444211**
NCEDC III 26 08 07 22.1–2.4 36.56N–.01 121.16W–.02 8–4 3.1L,3.0L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NCEDC Event type se. hypocenter. manual.
ISC III 27 01 45 54.8–.85 36.14N–.01 118.71W–.01 17–6 227 0-8
NEIC III 27 01 45 54.9–1.2 36.155N–.01 118.72W–.01 10–3 **¶610435256**
ANF III 27 01 45 54.5–.17 36.17N 118.71W 10–1 3.8L,3.6L
PAS III 27 01 45 55.3–1.2 36.17N–.01 118.72W–.01 11–3 3.6L,3.3L
NCEDC III 27 01 45 55.1 36.14N 118.73W 8 3.6L,3.3L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=1.6km s-min=0.6km az=63.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ANF Error ellipse: s-maj=1.4km s-min=1.1km az=121.0.
PAS Event type se. Error ellipse: s-maj=1.6km s-min=1.5km az=223.0. hypocenter. manual.
ISC III 31 10 55 53.0–.90 36.86N–.02 121.62W–.02 15–6 287 0-9
ANF III 31 10 55 53.0–1.1 36.81N 121.60W 0 4.0L **¶610465779**
NEIC III 31 10 55 53.6–1.4 36.837N–.00 121.63W–.02 15–1 4.0L
NEIC III 31 10 55 53.7 36.88N 121.62W 6 4.0L
NEIC III 31 10 55 53.7 36.88N 121.62W 14 4.0L
NCEDC III 31 10 55 53.7–2.6 36.88N–.01 121.61W–.02 6–3 4.0,3.6L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}0.35 $M_{\theta\theta}$-1.38
$M_{\phi\phi}$1.03 $M_{r\theta}$-0.19 $M_{\theta\phi}$0.18 $M_{\phi r}$0.09 NP1:ϕ_s139.21000°,δ89.66000°,λ-171.22000°. NP2:
ϕ_s49.16000°,δ81.22000°,λ-0.34000°. Principal axes: T 1.0513,Plg6.0000°,Azm274.0000°
; N 0.3631,Plg81.0000°,Azm141.0000°; P -1.4144,Plg6.0000°,Azm5.0000° $M_0$1.27000$\times10^{15}$
NCEDC Event type se. hypocenter. manual.
NEIC III 31 10 56 11.4–1.6 36.87N–.05 121.58W–.07 16–6
NCEDC III 31 10 56 11.8–2.9 36.86N–.04 121.60W–.07 7–6 3.2 **¶616204870**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NCEDC Event type se. hypocenter. manual.
ISC IV 11 00 42 38.1–.88 36.95N–.02 118.02W–.02 11–8 108 0-5
ANF IV 11 00 42 37.8–.20 36.94N 118.04W 8–2 3.0L,2.9L **¶610526206**
NEIC IV 11 00 42 38.2–1.6 36.95N–.01 118.03W–.01 10–1 3.0L,2.9L
REN IV 11 00 42 38.1–1.8 36.96N–.01 118.02W–.01 9–3 3.0L,2.9L
PAS IV 11 00 42 38.1–1.4 36.953N–.01 118.02W–.02 1–5 3.1L,3.0L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
REN Event type se. hypocenter. manual.
PAS Event type se. hypocenter. manual.
ISC IV 13 22 21 02.3–.79 36.40N–.02 121.10W–.02 12–5 256 0-32
IDC IV 13 22 21 00.8–3.4 36.00N 120.40W 0 3.1L,3.0s **¶610527971**
NEIC IV 13 22 21 02.5–1.6 36.42N–.03 121.08W–.06 12–3 3.1L,3.0s
NEIC IV 13 22 21 02.3 36.47N 121.00W 8 3.1L,3.0s
NCEDC IV 13 22 21 02.3–2.1 36.47N–.03 121.00W–.04 5–5 3.5,3.5L
NEIC IV 13 22 21 02.3 36.47N 121.00W 5 3.5,3.5L
ANF IV 13 22 21 04.1–.76 36.32N 120.78W 4–4 3.6L,3.5L
ISC Event type se.
IDC Error ellipse: s-maj=72.9km s-min=21.2km az=142.0.
NEIC Event type se. Error ellipse: s-maj=6.7km s-min=3.8km az=85.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}-0.02 $M_{\theta\theta}$-2.22
$M_{\phi\phi}$2.24 $M_{r\theta}$0.17 $M_{\theta\phi}$0.79 $M_{\phi r}$-0.15 NP1:ϕ_s234.74000°,δ84.81000°,λ-1.28000°. NP2:
ϕ_s324.85000°,δ88.73000°,λ-174.81000°. Principal axes: T 2.3815,Plg3.0000°,Azm100.0000°
; N -0.0096,Plg85.0000°,Azm339.0000°; P -2.3719,Plg5.0000°,Azm190.0000°
$M_0$2.38000$\times10^{14}$
NCEDC Event type se. Error ellipse: s-maj=6.2km s-min=1.4km az=53.0. hypocenter. manual.
NEIC Event type se.
ANF Error ellipse: s-maj=5.3km s-min=3.6km az=137.0.
NEIC IV 15 15 48 25.6–1.6 36.98N–.01 121.50W–.02 5–1
NCEDC IV 15 15 48 25.6–1.6 36.97N–.02 121.46W–.03 3–6 3.2L,3.0L **¶610528562**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NCEDC Event type se. hypocenter. manual.
ISC IV 22 19 41 43.4–.96 36.13N–.02 120.05W–.02 13–7 159 0-17
ANF IV 22 19 41 43.8–.44 36.06N 120.04W 13–1 3.3L **¶610547328**
NCEDC IV 22 19 41 43.7–2.2 36.12N–.01 120.07W–.02 10–7 3.1L,3.1L
NEIC IV 22 19 41 43.5–2.5 36.13N–.02 120.05W–.03 23–7 3.1L,3.1L
ISC Event type se.
NCEDC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 24 17 41 24.5–.84 35.56N–.01 118.33W–.01 8–6 193 0-5
ANF IV 24 17 41 23.9–.15 35.57N 118.33W 10–1 3.1L **¶610548729**
PAS IV 24 17 41 24.7–1.4 35.568N–.01 118.33W–.01 3–0 3.1L,2.8L
NEIC IV 24 17 41 24.5–1.1 35.56N–.01 118.33W–.01 6–4 3.1L,2.8L
ISC Event type se.

PAS Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 30 01 29 19.8–.99 37.83N–.02 121.80W–.02 13–6 297 0-25
IDC IV 30 01 29 17.6–1.4 37.75N 121.80W 0 3.5L,3.0 **¶610589464**
ANF IV 30 01 29 19.8–1.2 37.66N 121.73W 0 3.8L,3.7L
NEIC IV 30 01 29 19.7–1.4 37.84N–.03 121.79W–.04 23–4 3.8L,3.7L
NCEDC IV 30 01 29 19.7–1.9 37.83N–.03 121.81W–.04 15–4 3.8,3.4L
NEIC IV 30 01 29 19.4 37.83N 121.80W 18 3.8,3.4L
NEIC IV 30 01 29 19.4 37.83N 121.80W 18 3.8,3.4L
ISC Event type se.
IDC Error ellipse: s-maj=15.0km s-min=10.0km az=44.0.
ANF Error ellipse: s-maj=12.4km s-min=7.1km az=114.0.
NEIC Event type se. Error ellipse: s-maj=5.0km s-min=3.4km az=56.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NCEDC Event type se. Error ellipse: s-maj=5.7km s-min=3.0km az=54.0. hypocenter. manual.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}0.13 $M_{\theta\theta}$-2.10 $M_{\phi\phi}$1.97 $M_{r\theta}$-0.06 $M_{\theta\phi}$4.71 $M_{\phi r}$-2.59 NP1:ϕ_s259.70000°,δ64.09000°,λ4.92000°. NP2: ϕ_s167.55000°,δ85.58000°,λ154.01000°. Principal axes: T 5.9261,Plg21.0000°,Azm121.0000° ; N -0.3659,Plg64.0000°,Azm339.0000°; P -5.5602,Plg15.0000°,Azm216.0000° $M_0$5.75000×10^{14}
ISC V 22 01 36 16.9–.81 36.68N–.02 121.40W–.02 14–4 201 0-6
NEIC V 22 01 36 16.9–1.2 36.67N–.02 121.41W–.03 16–2 **¶610646108**
NCEDC V 22 01 36 16.9–2.5 36.705N–.01 121.34W–.01 3–6 3.5,3.2L
ANF V 22 01 36 16.7–1.1 36.65N 121.31W 0 3.5L,3.2L
NEIC V 22 01 36 16.9 36.70N 121.34W 4 3.5L,3.2L
NEIC V 22 01 36 16.9 36.70N 121.34W 11 3.5L,3.2L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=3.2km s-min=2.4km az=101.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NCEDC Event type se. Error ellipse: s-maj=1.5km s-min=0.9km az=215.0. hypocenter. manual.
ANF Error ellipse: s-maj=10.6km s-min=5.7km az=103.0.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}-0.15 $M_{\theta\theta}$-1.58 $M_{\phi\phi}$1.74 $M_{r\theta}$-0.75 $M_{\theta\phi}$0.57 $M_{\phi r}$-0.35 NP1:ϕ_s53.22000°,δ84.51000°,λ-24.99000°. NP2: ϕ_s145.77000°,δ65.13000°,λ-173.94000°. Principal axes: T 1.9423,Plg13.0000° ,Azm102.0000°; N 0.0058,Plg64.0000°,Azm222.0000°; P -1.9480,Plg21.0000°,Azm7.0000° $M_0$1.95000×10^{14}
ISC VI 04 00 06 56.7–.78 35.39N–.01 117.71W–.01 17–5 231 0-7
ANF VI 04 00 06 55.8–.11 35.40N 117.70W 13–1 3.6L **¶610661316**
NEIC VI 04 00 06 56.5–1.1 35.394N–.01 117.714W–.01 13–2 3.6L
PAS VI 04 00 06 56.9–1.3 35.398N–.01 117.713W–.01 7–4 3.6L,3.2L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PAS Event type se. hypocenter. manual.
ISC VI 08 07 58 11.5–.81 36.00N–.01 117.87W–.01 11–5 142 0-3
ANF VI 08 07 58 10.9–.12 36.00N 117.88W 8–1 3.0L **¶610667779**
NEIC VI 08 07 58 11.5–1.4 35.997N–.00 117.88W–.01 5–5 3.0L
PAS VI 08 07 58 11.4–1.4 36.002N–.01 117.87W–.01 2–6 3.0L,2.7L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PAS Event type se. hypocenter. manual.
ISC VI 18 06 11 15.4–.90 35.45N–.01 118.41W–.01 9–8 187 0-5
ANF VI 18 06 11 14.8–.14 35.45N 118.41W 10–1 3.0L **¶610681499**
NEIC VI 18 06 11 15.2–1.2 35.444N–.01 118.40W–.01 2–4 3.0L
PAS VI 18 06 11 15.2–1.3 35.444N–.01 118.41W–.01 2–4 3.0L,2.7L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PAS Event type se. hypocenter. manual.
NCEDC VI 21 19 00 20.4–1.2 37.909N–.01 122.29W–.01 5–2 3.0,2.9L
NEIC VI 21 19 00 20.7–1.1 37.904N–.01 122.32W–.01 13–1 3.0,2.9L **¶610689204**
NCEDC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(40) California-Nevada border region.

ISC I 01 09 36 29.6–.92 38.39N–.02 118.93W–.02 8–8 114 0-5
ANF I 01 09 36 29.5–.77 38.38N 118.91W 6–6 3.0L **¶610570320**
REN I 01 09 36 29.1–1.6 38.388N–.01 118.92W–.01 8–4 3.0L,2.8L
NEIC I 01 09 36 29.6–1.3 38.389N–.01 118.94W–.01 6–4 3.0L,2.8L
ISC Event type se.
REN Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC I 02 00 07 40.9–1.2 38.38N–.01 118.93W–.01 9–5
REN I 02 00 07 40.5–1.6 38.38N–.01 118.92W–.01 7–5 2.6L,2.5L **¶610570335**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
REN Event type se. hypocenter. manual.
ISC I 02 02 11 10.4–.86 38.70N–.02 118.46W–.02 11–6 160 0-24
ANF I 02 02 11 07.6–.77 38.83N 118.54W 3–6 4.0L **¶609949345**
REN I 02 02 11 10.0–1.0 38.70N–.02 118.48W–.02 11–2 3.6L,3.5
IDC I 02 02 11 09.8–1.5 38.75N 118.49W 0 3.8L,3.0
NEIC I 02 02 11 10.5–1.2 38.69N–.02 118.47W–.03 15–3 3.8L,3.0
NEIC I 02 02 11 12 38.70N 118.48W 10 3.8L,3.0
ISC Event type se.
ANF Error ellipse: s-maj=6.0km s-min=3.1km az=122.0.
REN Event type se. Error ellipse: s-maj=2.6km s-min=2.2km az=179.0. hypocenter. manual.
IDC Error ellipse: s-maj=16.4km s-min=7.2km az=88.0.
NEIC Event type se. Error ellipse: s-maj=3.2km s-min=2.8km az=52.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}0.37 $M_{\theta\theta}$-0.76 $M_{\phi\phi}$0.40 $M_{r\theta}$0.75 $M_{\theta\phi}$2.10 $M_{\phi r}$0.76 NP1:ϕ_s85.00000°,δ74.00000°,λ22.00000°. NP2: ϕ_s349.00000°,δ69.00000°,λ163.00000°. Principal axes: T 2.5176,Plg26.0000°,Azm308.0000° ; N -0.1481,Plg64.0000°,Azm120.0000°; P -2.3695,Plg3.0000°,Azm217.0000° $M_0$2.45000×10^{14}
NEIC I 02 05 33 40.0–1.3 38.35N–.01 118.90W–.01 9–1
REN I 02 05 33 39.6–1.3 38.359N–.01 118.90W–.01 8–4 2.5L,2.4L **¶610570340**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
REN Event type se. hypocenter. manual.
ISC I 02 13 05 09.0–.86 38.39N–.02 118.93W–.02 12–7 108 0-7
ANF I 02 13 05 07.6–.71 38.45N 119.01W 5–4 3.7L **¶610570346**
REN I 02 13 05 08.7–1.3 38.389N–.01 118.93W–.01 7–3 3.5,3.4L
NEIC I 02 13 05 09.2–1.5 38.39N–.01 118.93W–.02 13–2 3.5,3.4L
NEIC I 02 13 05 10 38.39N 118.93W 12 3.5,3.4L
ISC Event type se.
ANF Error ellipse: s-maj=5.5km s-min=2.8km az=138.0.
REN Event type se. Error ellipse: s-maj=1.8km s-min=1.3km az=59.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=2.5km s-min=1.8km az=81.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}0.25 $M_{\theta\theta}$-1.87 $M_{\phi\phi}$1.62 $M_{r\theta}$1.20 $M_{\theta\phi}$-0.32 $M_{\phi r}$-0.06 NP1:ϕ_s311.00000°,δ80.00000°,λ-156.00000°. NP2: ϕ_s216.00000°,δ67.00000°,λ-11.00000°. Principal axes: T 1.6766,Plg9.0000°,Azm82.0000° ; N 0.7522,Plg64.0000°,Azm332.0000°; P -2.4288,Plg24.0000°,Azm176.0000° $M_0$2.15000×10^{14}
NEIC I 02 18 01 16.8–1.1 38.39N–.01 118.91W–.01 15–3
REN I 02 18 01 16.4–1.2 38.389N–.00 118.91W–.02 8–4 2.9L,2.7L **¶610570366**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
REN Event type se. hypocenter. manual.
NEIC I 02 19 32 19.4–1.3 38.40N–.01 118.93W–.02 15–2
REN I 02 19 32 19.1–1.3 38.40N–.01 118.93W–.02 8–4 2.6L,2.5L **¶610570368**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
REN Event type se. hypocenter. manual.
NEIC I 04 07 31 17.7–1.4 38.39N–.02 118.904W–.01 7–8
REN I 04 07 31 17.2–1.4 38.39N–.01 118.89W–.01 9–7 2.8L,2.7L **¶610570415**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
REN Event type se. hypocenter. manual.
NEIC I 05 05 35 06.1–1.5 38.367N–.00 118.91W–.02 7–5
REN I 05 05 35 06.1–1.2 38.36N–.01 118.90W–.02 8–3 2.7L,2.5L **¶610570434**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
REN Event type se. hypocenter. manual.
NEIC I 05 19 18 56.1–1.0 38.42N–.01 118.90W–.02 10–2
REN I 05 19 18 56.0–1.1 38.42N–.01 118.90W–.01 9–3 3.2L,3.1L **¶610570446**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
REN Event type se. hypocenter. manual.
NEIC I 06 00 18 29.8–1.1 38.346N–.01 118.91W–.02 10–4
REN I 06 00 18 29.8–1.2 38.34N–.01 118.90W–.01 8–0 2.8L,2.7L **¶610570449**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
REN Event type se. hypocenter. manual.
NEIC I 06 16 36 15.8–1.6 38.417N–.01 118.90W–.02 11–6
REN I 06 16 36 15.5–1.4 38.42N–.02 118.90W–.02 8–6 3.0L,2.7L **¶610570468**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
REN Event type se. hypocenter. manual.
ISC I 07 03 30 50.3–.94 37.99N–.02 118.22W–.02 13–9 101 0-5
NEIC I 07 03 30 50.4–1.6 37.987N–.01 118.23W–.01 10–1 **¶610570490**
REN I 07 03 30 50.0–1.3 37.99N–.01 118.23W–.02 9–4 2.9L,2.8L
ANF I 07 03 30 50.2–.43 37.98N 118.20W 4–3 3.0L,2.8L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=2.9km s-min=2.0km az=284.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
REN Event type se. Error ellipse: s-maj=2.1km s-min=1.5km az=105.0. hypocenter. manual.
ANF Error ellipse: s-maj=3.9km s-min=2.2km az=145.0.
NEIC I 07 18 42 45.8–2.4 38.33N–.01 118.88W–.02 19–4
REN I 07 18 42 45.8–2.4 38.33N–.01 118.89W–.02 10–7 3.0L,2.8L **¶610570507**
ANF I 07 18 42 47.6–1.0 38.21N 119.19W 13–3 3.0L,2.8L
NEIC Event type se. Error ellipse: s-maj=2.3km s-min=1.7km az=78.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
REN Event type se. Error ellipse: s-maj=2.2km s-min=1.9km az=97.0. hypocenter. manual.
ANF Error ellipse: s-maj=9.0km s-min=4.0km az=89.0.
NEIC I 09 13 14 36.6–1.3 38.44N–.02 118.94W–.02 13–3
ANF I 09 13 14 35.9–.76 38.45N 118.94W 0 3.3L **¶610570549**
REN I 09 13 14 36.6–1.3 38.42N–.01 118.90W–.02 9–4 3.0L,3.0L
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
REN Event type se. hypocenter. manual.
NEIC I 09 15 58 17.4–1.0 38.396N–.01 118.89W–.02 14–4
REN I 09 15 58 17.2–1.2 38.39N–.01 118.90W–.02 9–4 2.9L,2.8L **¶610570551**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
REN Event type se. hypocenter. manual.
ISC I 13 03 17 52.9–.88 38.43N–.02 118.91W–.02 13–7 96 0-8
REN I 13 03 17 52.9–1.3 38.426N–.01 118.90W–.04 9–6 3.5L,3.4L **¶610570648**
ANF I 13 03 17 52.3–.87 38.46N 118.97W 4–4 3.6L,3.4L
NEIC I 13 03 17 53.1–1.3 38.43N–.02 118.90W–.04 12–5 3.6L,3.4L
ISC Event type se.
REN Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 18 02 53 36.7–.84 37.49N–.02 118.77W–.02 9–7 189 0-5
NCEDC I 18 02 53 36.8–1.8 37.48N–.01 118.78W–.01 5–4 3.4L,2.9L **¶610099191**
REN I 18 02 53 36.3–2.7 37.48N–.01 118.80W–.02 10–3 3.4L,2.9L
ANF I 18 02 53 36.2–.25 37.45N 118.80W 1–2 3.2L,2.9L
NEIC I 18 02 53 37.1–2.3 37.48N–.02 118.77W–.02 8–4 3.2L,2.9L
ISC Event type se.
NCEDC Event type se. hypocenter. manual.
REN Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 18 08 04 32.9–.71 38.40N–.02 118.95W–.02 10 112 0-24
ANF I 18 08 04 31.8–.65 38.43N 118.90W 4–3 3.9L **¶610099201**
REN I 18 08 04 32.3–1.4 38.407N–.01 118.93W–.02 8–6 3.6,3.5L
NEIC I 18 08 04 32.6–1.4 38.405N–.01 118.94W–.02 6–9 3.6,3.5L
IDC I 18 08 04 32.9–.93 38.41N 118.98W 0 3.5L,3.2
NEIC I 18 08 04 33 38.41N 118.93W 8 3.5L,3.2
ISC Event type se.
ANF Error ellipse: s-maj=5.4km s-min=2.9km az=127.0.
REN Event type se. Error ellipse: s-maj=2.4km s-min=1.2km az=97.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=2.3km s-min=0.8km az=88.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}-0.05 $M_{\theta\theta}$-2.46 $M_{\phi\phi}$2.51 $M_{r\theta}$1.46 $M_{\theta\phi}$-0.86 $M_{\phi r}$0.44 NP1:ϕ_s308.50000°,δ69.12000°,λ-165.16000°. NP2:ϕ_s213.10000° ,δ76.15000°,λ-21.54000°. Principal axes: T 2.6758,Plg5.0000°,Azm262.0000° ; N 0.6339,Plg65.0000°,Azm2.0000°; P -3.3097,Plg25.0000°,Azm170.0000° $M_0$3.04000×10^{14}
IDC Error ellipse: s-maj=9.5km s-min=6.1km az=15.0.
NEIC Event type se. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}-0.87 $M_{\theta\theta}$-1.42 $M_{\phi\phi}$2.29 $M_{r\theta}$1.05 $M_{\theta\phi}$-0.13 $M_{\phi r}$0.38 NP1:ϕ_s216.00000°,δ69.00000°,λ-34.00000°. NP2: ϕ_s319.00000°,δ59.00000°,λ-156.00000°. Principal axes: T 2.3351,Plg7.0000°,Azm270.0000° ; N -0.0798,Plg51.0000°,Azm8.0000°; P -2.2552,Plg38.0000°,Azm175.0000° $M_0$2.30000×10^{14}
NEIC I 18 14 15 13.2–1.4 38.43N–.01 118.92W–.02 11–6
REN I 18 14 15 12.9–1.1 38.426N–.01 118.90W–.02 7–7 2.7L,2.5L **¶610100860**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
REN Event type se. hypocenter. manual.
ISC II 01 04 12 12.4–.86 38.35N–.02 118.89W–.02 13–7 76 0-6
REN II 01 04 12 12.0–1.0 38.34N–.02 118.89W–.02 11–6 2.8L,2.5L **¶610159395**
NEIC II 01 04 12 12.3–1.0 38.34N–.01 118.89W–.02 13–5 2.8L,2.5L
ANF II 01 04 12 14.2–1.0 38.18N 119.00W 0 2.7L,2.5L
ISC Event type se.
REN Event type se. Error ellipse: s-maj=2.2km s-min=2.1km az=178.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=2.1km s-min=1.6km az=118.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ANF Error ellipse: s-maj=7.7km s-min=3.4km az=93.0.
IDC II 28 21 43 20.7–245 38.00N 117.89W 0
¶610385230
IDC Error ellipse: s-maj=119.5km s-min=81.1km az=1.0.
IDC III 09 06 48 43.0–302 36.46N 116.34W 0
¶610545860
IDC Error ellipse: s-maj=142.1km s-min=61.5km az=1.0.
NEIC IV 13 17 11 46.8–1.2 38.28N–.01 118.77W–.01 11–5
REN IV 13 17 11 46.8–1.4 38.29N–.01 118.77W–.02 9–3 2.6L,2.5L **¶610527439**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
REN Event type se. hypocenter. manual.
NEIC IV 14 01 21 23.9–.90 38.29N–.01 118.78W–.01 9–4
REN IV 14 01 21 23.6–.79 38.288N–.01 118.77W–.01 8–5 2.2L,2.1L **¶610528022**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
REN Event type se. hypocenter. manual.
ISC IV 15 10 36 08.3–.93 38.28N–.02 118.76W–.02 8–8 73 0-5
REN IV 15 10 36 07.7–.88 38.28N–.01 118.77W–.01 5–4 3.1L,2.9L **¶610528580**

ANF IV 15 10 36 08.2–.77 38.29N 118.82W 11–6 3.2L,3.1L
NEIC IV 15 10 36 08.2–.97 38.283N–.01 118.75W–.01 6–5 3.2L,3.1L
ISC Event type se.
REN Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC IV 15 13 45 57.9–1.1 38.279N–.01 118.76W–.02 9–7
REN IV 15 13 45 58.0–1.3 38.279N–.01 118.77W–.02 6–7 2.8L,2.8L **¶610528547**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
REN Event type se. hypocenter. manual.
ISC IV 18 16 11 24.2–.92 38.28N–.02 118.76W–.02 8–8 81 0-5
REN IV 18 16 11 23.7–1.4 38.279N–.00 118.76W–.02 7–5 2.9L,2.9L **¶610532546**
NEIC IV 18 16 11 24.0–1.0 38.277N–.01 118.77W–.02 10–5 2.9L,2.9L
ANF IV 18 16 11 24.3–.82 38.25N 118.73W 7–4 3.2L,3.1L
ISC Event type se.
REN Event type se. Error ellipse: s-maj=2.0km s-min=0.3km az=100.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=2.0km s-min=0.7km az=109.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ANF Error ellipse: s-maj=4.7km s-min=3.8km az=150.0.
ISC IV 19 12 33 19.8–.83 37.16N–.02 117.36W–.02 13–6 55 0-4
NEIC IV 19 12 33 19.8–.88 37.16N–.01 117.36W–.01 11–2 **¶611149559**
REN IV 19 12 33 19.5–1.1 37.17N–.01 117.37W–.02 10–4 2.5L,2.3L
ANF IV 19 12 33 19.6–.20 37.12N 117.37W 15 2.2L,2.2L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=1.9km s-min=1.4km az=186.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
REN Event type se. Error ellipse: s-maj=2.0km s-min=1.6km az=220.0. hypocenter. manual.
ANF Error ellipse: s-maj=1.7km s-min=1.5km az=160.0.
ISC IV 25 13 03 39.5–.95 37.00N–.02 117.66W–.02 7–9 106 0-5
NEIC IV 25 13 03 39.2–1.1 37.00N–.01 117.67W–.01 4–6 **¶610554296**
PAS IV 25 13 03 39.2–1.2 37.00N–.01 117.66W–.02 0–6 3.2L,3.0L
REN IV 25 13 03 39.2–1.1 37.00N–.01 117.66W–.02 5–6 3.2L,3.0L
ANF IV 25 13 03 39.2–.29 36.96N 117.67W 2–3 3.2L,3.1L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=1.7km s-min=1.5km az=194.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PAS Event type se. Error ellipse: s-maj=1.9km s-min=1.5km az=57.0. hypocenter. manual.
REN Event type se. Error ellipse: s-maj=1.9km s-min=1.8km az=72.0. hypocenter. manual.
ANF Error ellipse: s-maj=3.0km s-min=1.7km az=172.0.
ISC V 06 10 40 34.0–.86 38.41N–.02 118.91W–.02 15–7 78 0-8
ANF V 06 10 40 33.5–.70 38.43N 118.91W 0 3.5L **¶610617745**
REN V 06 10 40 33.7–1.1 38.41N–.01 118.92W–.02 9–4 3.4,3.2L
NEIC V 06 10 40 34.1–1.2 38.41N–.01 118.91W–.02 12–3 3.4,3.2L
ISC Event type se.
REN Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 06 10 43 57.3–.85 38.41N–.02 118.90W–.02 14–7 62 0-5
REN V 06 10 43 57.0–1.1 38.41N–.01 118.92W–.02 10–4 3.2,3.1L **¶610617746**
NEIC V 06 10 43 57.3–.92 38.41N–.01 118.90W–.02 11–3 3.2,3.1L
ANF V 06 10 44 00.4–1.0 38.29N 118.93W 0 3.2L,3.1L
ISC Event type se.
REN Event type se. Error ellipse: s-maj=2.8km s-min=1.6km az=89.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=2.6km s-min=1.7km az=101.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ANF Error ellipse: s-maj=8.1km s-min=5.7km az=116.0.
ISC V 06 15 05 03.7–.86 38.41N–.02 118.92W–.02 12–7 72 0-5
REN V 06 15 05 03.3–.99 38.41N–.01 118.92W–.02 9–5 3.4,3.1L **¶610617752**
NEIC V 06 15 05 03.5–1.6 38.40N–.01 118.92W–.02 8–6 3.4,3.1L
ISC Event type se.
REN Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 25 15 22 53.4–.82 36.18N–.01 117.84W–.01 12–6 247 0-8
PAS V 25 15 22 53.5–1.7 36.181N–.01 117.85W–.01 2–6 3.4L,3.2L **¶610654437**
ANF V 25 15 22 53.1–.12 36.18N 117.86W 9–1 3.5L,3.2L
NEIC V 25 15 22 53.6–1.9 36.191N–.01 117.844W–.01 8–4 3.5L,3.2L
ISC Event type se.
PAS Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 25 15 42 51.6–.80 36.18N–.01 117.84W–.01 15–5 274 0-8
PAS V 25 15 42 51.5–2.1 36.181N–.01 117.846W–.01 2–5 3.7,3.6L **¶610654439**
NEIC V 25 15 42 51.7–2.1 36.19N–.01 117.85W–.01 12–2 3.7,3.6L
ANF V 25 15 42 51.1–.11 36.17N 117.85W 11–1 4.0L,3.6L
NEIC V 25 15 42 52 36.18N 117.85W 5 4.0L,3.6L
ISC Event type se.
PAS Event type se. Error ellipse: s-maj=1.5km s-min=0.3km az=211.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=1.9km s-min=1.4km az=127.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ANF Error ellipse: s-maj=0.8km s-min=0.7km az=46.0.
NEIC Event type se. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}-2.93 $M_{\theta\theta}$-1.54 $M_{\phi\phi}$4.47 $M_{r\theta}$-1.66 $M_{\theta\phi}$0.07 $M_{\phi r}$-1.63 NP1:ϕ_s151.00000°,δ41.00000°,λ-138.00000°. NP2: ϕ_s27.00000°,δ64.00000°,λ-57.00000°. Principal axes: T 4.8444,Plg13.0000°,Azm94.0000° ; N -0.5987,Plg29.0000°,Azm191.0000°; P -4.2457,Plg58.0000°,Azm343.0000° $M_0$4.54000×10^{14}
NEIC VI 03 06 24 59.3–1.6 38.40N–.02 118.91W–.02 13–9
REN VI 03 06 24 59.4–2.0 38.39N–.01 118.92W–.02 8–5 2.6L,2.5L **¶610660638**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
REN Event type se. hypocenter. manual.
ISC VI 06 22 45 25.0–1.2 38.81N–.02 119.69W–.02 1–11 127 0-29
IDC VI 06 22 45 25.0–1.1 38.78N 119.65W 0 3.7L,3.4 **¶610666191**
REN VI 06 22 45 25.5–1.2 38.78N–.02 119.64W–.02 9–7 3.8,3.8
NEIC VI 06 22 45 25.5 38.78N 119.64W 9 3.8,3.8
NEIC VI 06 22 45 25.4–1.1 38.80N–.02 119.60W–.02 8–4 3.8,3.8
ANF VI 06 22 45 25.4–1.2 38.82N 119.83W 22–8 4.2L,3.8
NEIC VI 06 22 45 27 38.78N 119.64W 8 4.2L,3.8
ISC Event type se.
IDC Error ellipse: s-maj=11.5km s-min=6.4km az=35.0.
REN Event type se. Error ellipse: s-maj=3.5km s-min=1.6km az=46.0. hypocenter. manual.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=3.2km s-min=1.6km az=51.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}-0.19 $M_{\theta\theta}$-6.69 $M_{\phi\phi}$6.88 $M_{r\theta}$-1.35 $M_{\theta\phi}$-0.47 $M_{\phi r}$-2.22 NP1:ϕ_s223.28000°,δ87.49000°,λ20.32000°. NP2:ϕ_s132.35000° ,δ69.70000°,λ177.33000°. Principal axes: T 7.5213,Plg16.0000°,Azm90.0000° ; N -0.5008,Plg70.0000°,Azm230.0000°; P -7.0205,Plg12.0000°,Azm356.0000° $M_0$7.28000×10^{14}
ANF Error ellipse: s-maj=9.3km s-min=6.6km az=123.0.
NEIC Event type se. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}-0.70 $M_{\theta\theta}$-6.14 $M_{\phi\phi}$6.84 $M_{r\theta}$-2.47 $M_{\theta\phi}$-1.04 $M_{\phi r}$1.46 NP1:ϕ_s132.00000°,δ84.00000°,λ-156.00000°. NP2: ϕ_s39.00000°,δ66.00000°,λ-6.00000°. Principal axes: T 7.2828,Plg12.0000°,Azm263.0000° ; N -0.1741,Plg66.0000°,Azm144.0000°; P -7.1087,Plg21.0000°,Azm358.0000° $M_0$7.20000×10^{14}
ISC VI 08 08 19 02.2–.81 36.00N–.01 117.88W–.01 10–5 142 0-3
ANF VI 08 08 19 01.5–.11 35.99N 117.87W 10–1 3.0L **¶610667781**
NEIC VI 08 08 19 02.2–1.1 36.002N–.01 117.88W–.01 6–4 3.0L
PAS VI 08 08 19 02.1–1.2 36.004N–.01 117.87W–.01 2–6 3.0L,2.7L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PAS Event type se. hypocenter. manual.
ISC VI 08 08 30 40.1–.84 36.00N–.01 117.87W–.01 8–6 158 0-4
ANF VI 08 08 30 39.6–.11 36.00N 117.87W 8–1 3.3L **¶610667782**
PAS VI 08 08 30 40.1–1.5 36.004N–.01 117.87W–.01 3–5 3.3L,2.9L
NEIC VI 08 08 30 40.1–1.4 36.002N–.01 117.88W–.01 4–3 3.3L,2.9L
ISC Event type se.
PAS Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 10 04 31 06.5–1.0 38.80N–.02 119.65W–.02 11–9 101 0-6
ANF VI 10 04 31 05.7–1.6 38.85N 119.79W 22–14 3.8L **¶610669150**
NEIC VI 10 04 31 06.6–1.5 38.80N–.02 119.62W–.03 10–2 3.8L
REN VI 10 04 31 06.5–1.3 38.79N–.02 119.63W–.04 11–6 3.5,3.5
NEIC VI 10 04 31 06 38.80N 119.63W 8 3.5,3.5
NEIC VI 10 04 31 07 38.80N 119.63W 6 3.5,3.5
ISC Event type se.
ANF Error ellipse: s-maj=12.5km s-min=8.8km az=115.0.
NEIC Event type se. Error ellipse: s-maj=5.2km s-min=3.0km az=46.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
REN Event type se. Error ellipse: s-maj=5.2km s-min=2.3km az=60.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}-0.18 $M_{\theta\theta}$-1.81 $M_{\phi\phi}$1.99 $M_{r\theta}$-0.58 $M_{\theta\phi}$-0.59 $M_{\phi r}$-0.21 NP1:ϕ_s128.00000°,δ75.00000°,λ-170.00000°. NP2: ϕ_s35.00000°,δ80.00000°,λ-15.00000°. Principal axes: T 2.0893,Plg3.0000°,Azm82.0000° ; N 0.0016,Plg72.0000°,Azm182.0000°; P -2.0909,Plg18.0000°,Azm351.0000° $M_0$2.09000×10^{14}
NEIC Event type se. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}-0.96 $M_{\theta\theta}$-0.97 $M_{\phi\phi}$1.93 $M_{r\theta}$-1.11 $M_{\theta\phi}$-0.65 $M_{\phi r}$-0.05 NP1:ϕ_s132.00000°,δ64.00000°,λ-144.00000°. NP2: ϕ_s24.00000°,δ58.00000°,λ-31.00000°. Principal axes: T 2.0816,Plg4.0000°,Azm257.0000° ; N 0.0551,Plg47.0000°,Azm162.0000°; P -2.1367,Plg43.0000°,Azm350.0000° $M_0$2.11000×10^{14}
ISC VI 12 14 28 43.3–.89 37.11N–.02 117.06W–.02 13–8 74 0-4
ANF VI 12 14 28 43.2–.27 37.10N 117.06W 11–2 3.0L **¶610670979**
REN VI 12 14 28 43.4–1.0 37.12N–.01 117.06W–.01 8–6 2.9L,2.7L
NEIC VI 12 14 28 43.3–.98 37.11N–.01 117.06W–.01 10–6 2.9L,2.7L
ISC Event type se.
REN Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC VI 16 05 30 50.3–1.1 38.38N–.01 118.91W–.01 10–4
REN VI 16 05 30 49.9–1.3 38.379N–.01 118.91W–.01 7–5 2.5L,2.2L **¶610678620**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
REN Event type se. hypocenter. manual.
ISC VI 30 19 34 39.3–.84 37.52N–.02 118.95W–.01 7–6 274 0-7
NEIC VI 30 19 34 38.8 37.51N 118.96W -0 **¶610728831**
NEIC VI 30 19 34 38.8 37.51N 118.96W 5
NCEDC VI 30 19 34 38.8–1.5 37.51N–.01 118.96W–.02 -0–6 3.5,3.2L
REN VI 30 19 34 39.1–2.1 37.51N–.02 118.968W–.01 4–5 3.5,3.2L
ANF VI 30 19 34 39.5–.35 37.48N 118.96W 0 3.6L,3.2L
NEIC VI 30 19 34 40.0–2.4 37.512N–.01 118.97W–.01 5–1 3.6L,3.2L
ISC Event type se.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}-0.61 $M_{\theta\theta}$-1.46 $M_{\phi\phi}$2.07 $M_{r\theta}$1.00 $M_{\theta\phi}$-1.31 $M_{\phi r}$-0.15 NP1:ϕ_s203.82000°,δ64.25000°,λ-14.19000°. NP2: ϕ_s300.09000°,δ77.25000°,λ-153.54000°. Principal axes: T 2.5730,Plg9.0000°,Azm70.0000° ; N -0.2079,Plg61.0000°,Azm324.0000°; P -2.3650,Plg28.0000°,Azm164.0000° $M_0$2.48000×10^{14}
NCEDC Event type se. hypocenter. manual.
REN Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(41) Southern Nevada.

NEIC II 19 20 58 24.1–.80 37.05N–.03 114.09W–.01 5–7
REN II 19 20 58 24.2–1.9 37.07N–.02 114.08W–.02 14–4 **¶610231650**
UUSS II 19 20 58 24.2–1.1 37.07N–.03 114.073W–.01 6–6 2.7L,2.5L
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
REN Event type se. hypocenter. manual.
UUSS Event type se. hypocenter. manual.
NEIC II 19 20 59 04.8–1.0 37.04N–.02 114.07W–.01 5–2
UUSS II 19 20 59 04.5–1.1 37.04N–.02 114.07W–.02 6–2 2.7L,2.6L **¶616185084**
REN II 19 20 59 05.5–2.4 37.11N–.01 114.05W–.02 13–4 2.7L,2.6L
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
UUSS Event type se. hypocenter. manual.
REN Event type se. hypocenter. manual.
NEIC II 19 21 00 13.8–.87 37.06N–.02 114.08W–.02 6–7
UUSS II 19 21 00 13.5–.93 37.05N–.01 114.09W–.01 0–6 2.7L,2.7L **¶611149061**
REN II 19 21 00 13.4–1.1 37.07N–.02 114.07W–.02 11–6 2.7L,2.7L
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
UUSS Event type se. hypocenter. manual.
REN Event type se. hypocenter. manual.
IDC V 04 06 05 25.4–571 37.36N 115.36W 0
¶610689525
IDC Error ellipse: s-maj=287.6km s-min=166.1km az=158.0.
IDC V 04 07 42 09.9–273 37.29N 116.11W 0
¶610689534
IDC Error ellipse: s-maj=122.0km s-min=73.9km az=173.0.
IDC V 04 07 56 45.5–272 37.33N 116.30W 0
¶610689536
IDC Error ellipse: s-maj=124.5km s-min=73.4km az=171.0.
IDC V 04 08 30 39.7–264 37.26N 115.95W 0
¶610689538
IDC Error ellipse: s-maj=114.8km s-min=72.0km az=175.0.
ISC V 07 07 39 36.8–1.3 37.47N–.03 114.51W–.02 4–12 49 0-4
NEIC V 07 07 39 36.8–1.6 37.48N–.02 114.52W–.02 5–1 **¶610617825**
REN V 07 07 39 38.4–2.3 37.45N–.02 114.47W–.01 8–8 3.1L,2.7L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
REN Event type se. hypocenter. manual.
ISC VI 14 06 13 20.1–1.2 37.37N–.03 114.31W–.02 7–13 83 0-8
NEIC VI 14 06 13 20.9–1.3 37.38N–.03 114.30W–.02 14–5 **¶610673084**
REN VI 14 06 13 20.7–1.4 37.39N–.02 114.288W–.00 7–7 3.2L,3.0L
ANF VI 14 06 13 21.2–.41 37.41N 114.24W 23–3 3.2L,3.0L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=4.6km s-min=2.4km az=183.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
REN Event type se. Error ellipse: s-maj=3.4km s-min=0.6km az=181.0. hypocenter. manual.
ANF Error ellipse: s-maj=2.8km s-min=2.0km az=19.0.
ISC VI 17 12 17 47.3–1.2 37.49N–.02 114.25W–.02 6–10 93 0-5
NEIC VI 17 12 17 47.9–1.4 37.43N–.01 114.321W–.01 5–2 **¶610680836**
ANF VI 17 12 17 47.8–.44 37.49N 114.23W 15 3.3L
REN VI 17 12 17 48.5–1.2 37.45N–.01 114.32W–.01 7–7 3.1,3.1L
NEIC VI 17 12 17 49 37.45N 114.32W 14 3.1,3.1L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=3.0km s-min=2.4km az=225.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ANF Error ellipse: s-maj=4.4km s-min=3.0km az=55.0.
REN Event type se. Error ellipse: s-maj=2.1km s-min=1.7km az=191.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution. Moment tensor: Scale 10^{13}Nm; M_{rr}-0.88 $M_{\theta\theta}$0.13 $M_{\phi\phi}$0.75 $M_{r\theta}$-1.93 $M_{\theta\phi}$5.72 $M_{\phi r}$1.43 NP1:ϕ_s86.00000°,δ75.00000°,λ-19.00000°. NP2: ϕ_s181.00000°,δ72.00000°,λ-165.00000°. Principal axes: T 6.1811,Plg3.0000°,Azm134.0000° ; N 0.1514,Plg66.0000°,Azm230.0000°; P -6.3325,Plg24.0000°,Azm43.0000° $M_0$6.26000×10^{13}

(42) Western Arizona.

NEIC III 21 17 20 52.5–.61 36.39N–.02 112.24W–.04 18–5 2.9L

¶610401477
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC VI 18 09 11 28.9–1.6 36.16N–.02 113.23W–.02 7–6 2.5L,2.2L
REN VI 18 09 11 29.8–1.7 36.22N–.02 113.23W–.03 10–6 2.5L,2.2L ¶611151064
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
REN Event type se. hypocenter. manual.

(43) Southern California.

ISC I 04 06 48 42.0–.68 33.07N–.02 116.07W–.01 17–5 109 0-2
ANF I 04 06 48 41.6–.19 33.09N 116.07W 15 2.8L ¶610570414
NEIC I 04 06 48 42.8–1.6 33.078N–.01 116.083W–.01 5–2 2.8L
PAS I 04 06 48 42.8–1.4 33.068N–.01 116.06W–.01 14–2 3.0L,2.9L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PAS Event type se. hypocenter. manual.
ISC II 10 10 10 32.0–.76 34.14N–.01 117.04W–.01 16–5 229 0-8
ANF II 10 10 10 31.6–.15 34.12N 117.05W 14–1 3.5L ¶610207709
NEIC II 10 10 10 32.0–.66 34.127N–.01 117.046W–.01 18–1 3.5L
PAS II 10 10 10 32.6–.96 34.131N–.01 117.046W–.01 10–2 3.4L,3.3L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PAS Event type se. hypocenter. manual.
ISC II 21 15 27 29.1–.78 33.15N–.01 116.52W–.01 15–5 159 0-5
ANF II 21 15 27 28.8–.23 33.15N 116.50W 16–2 2.9L ¶610240043
NEIC II 21 15 27 29.3–.68 33.142N–.01 116.531W–.00 14–2 2.9L
PAS II 21 15 27 29.9–.75 33.144N–.01 116.528W–.01 8–2 3.0L,2.7L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PAS Event type se. hypocenter. manual.
NEIC II 23 04 49 43.2–1.0 34.38N–.02 120.20W–.03 20–4
PAS II 23 04 49 43.7–3.4 34.40N–.01 120.16W–.01 3–5 3.3L,2.9L ¶610239723
ANF II 23 04 49 43.2–.33 34.38N 120.16W 22–2 3.2L,2.9L
NEIC Event type se. Error ellipse: s-maj=3.7km s-min=2.3km az=47.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PAS Event type se. Error ellipse: s-maj=1.7km s-min=1.5km az=56.0. hypocenter. manual.
ANF Error ellipse: s-maj=3.2km s-min=1.5km az=73.0.
ISC III 01 20 18 38.5–.77 33.12N–.01 115.87W–.01 18–4 216 0-8
ANF III 01 20 18 38.2–.19 33.14N 115.87W 14–2 3.4L ¶610243161
NEIC III 01 20 18 38.9–1.7 33.138N–.01 115.887W–.01 5–1 3.4L
PAS III 01 20 18 39.1–1.5 33.134N–.01 115.86W–.01 12–3 3.6L,3.4L
ECX III 01 20 18 39.8–.54 33.11N 115.90W 2–2 3.5L,3.3
ISC Event type se.
ANF Error ellipse: s-maj=1.7km s-min=1.4km az=120.0.
NEIC Event type se. Error ellipse: s-maj=2.9km s-min=1.5km az=201.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PAS Event type se. Error ellipse: s-maj=1.5km s-min=0.7km az=71.0. hypocenter. manual.
ECX Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0. Moment Tensor Solution. NP1:ϕ_s36.00000°,δ78.00000°,λ-22.00000°.
ISC III 02 07 31 18.9–.80 34.05N–.01 117.00W–.01 18–3 192 0-5
ANF III 02 07 31 18.3–.17 34.05N 117.00W 17–1 3.0L ¶610243164
NEIC III 02 07 31 18.9–.58 34.055N–.01 117.000W–.01 18–1 3.0L
PAS III 02 07 31 19.4–.88 34.058N–.01 117.001W–.01 13–1 3.1L,2.9L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PAS Event type se. hypocenter. manual.
ISC III 14 05 06 54.0–.89 34.03N–.01 117.24W–.01 18–2 191 0-6
NEIC III 14 05 06 54.0–.87 34.03N–.03 117.25W–.03 20–4 ¶610327679
ANF III 14 05 06 53.4–.15 34.02N 117.24W 19–1 3.7L
PAS III 14 05 06 54.5–1.1 34.04N–.03 117.24W–.03 18–4 3.7L,3.5L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PAS Event type se. hypocenter. manual.
NEIC III 14 05 08 21.6–.80 34.03N–.02 116.87W–.01 18–1
PAS III 14 05 08 22.1–1.2 34.037N–.01 116.87W–.01 9–2 2.8L,2.6L ¶610327687
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PAS Event type se. hypocenter. manual.
ISC III 14 17 14 05.4–.88 33.22N–.01 116.05W–.01 21–1 228 0-11
ANF III 14 17 14 04.5–.14 33.24N 116.05W 15 3.7L ¶610328645
NEIC III 14 17 14 05.3–1.1 33.24N–.01 116.07W–.01 18–1 3.7L
PAS III 14 17 14 05.6–1.6 33.239N–.01 116.05W–.01 5–5 3.6,3.6L
IDC III 14 17 14 08.7–3.4 33.42N 115.89W 0 3.4L,2.7
ISC Event type se.
ANF Error ellipse: s-maj=1.3km s-min=1.1km az=112.0.
NEIC Event type se. Error ellipse: s-maj=2.1km s-min=0.7km az=221.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PAS Event type se. Error ellipse: s-maj=1.4km s-min=1.3km az=52.0. hypocenter. manual.
IDC Error ellipse: s-maj=56.1km s-min=15.1km az=48.0.
ISC III 17 21 54 25.6–.83 33.16N–.02 115.65W–.02 12–5 93 0-4
ANF III 17 21 54 25.0–.19 33.16N 115.65W 8–2 2.9L ¶610344614
PAS III 17 21 54 25.6–1.6 33.16N–.01 115.63W–.01 8–3 3.2L,3.0L
NEIC III 17 21 54 25.4–1.4 33.179N–.01 115.660W–.01 10–1 3.2L,3.0L
ISC Event type se.
PAS Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 18 21 17 44.0–.81 34.03N–.01 117.24W–.01 19–2 238 0-8
ANF III 18 21 17 43.5–.19 34.02N 117.25W 17–1 3.4L ¶610345814
NEIC III 18 21 17 44.0–.82 34.044N–.01 117.239W–.01 20–1 3.4L
PAS III 18 21 17 44.5–1.2 34.040N–.01 117.238W–.01 18–1 3.5L,3.3L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PAS Event type se. hypocenter. manual.
ISC III 26 08 25 44.1–.89 33.22N–.01 116.09W–.01 18–2 213 0-7
ANF III 26 08 25 43.7–.24 33.21N 116.07W 19–3 3.7L ¶610444212
NEIC III 26 08 25 44.4–1.2 33.24N–.01 116.10W–.01 20–5 3.7L
PAS III 26 08 25 44.7–1.2 33.219N–.01 116.083W–.00 13–3 3.6L,3.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PAS Event type se. hypocenter. manual.
ANF III 27 22 44 34.3–.11 34.01N 117.17W 15 2.2L
¶616087343
ANF Error ellipse: s-maj=1.1km s-min=0.8km az=61.0.
ISC III 28 00 54 52.7–.77 33.47N–.01 116.46W–.01 12–4 170 0-4
ANF III 28 00 54 52.1–.15 33.47N 116.46W 9–1 2.6L ¶610437100
NEIC III 28 00 54 52.8–1.3 33.46N–.01 116.45W–.02 9–2 2.6L
PAS III 28 00 54 53.1–1.3 33.473N–.01 116.47W–.02 8–2 2.8L,2.7L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PAS Event type se. hypocenter. manual.
ISC III 30 09 09 57.9–.77 34.23N–.01 117.46W–.01 14–4 186 0-5
ANF III 30 09 09 57.4–.12 34.22N 117.47W 13–1 3.0L ¶610453837
NEIC III 30 09 09 58.0–.97 34.25N–.01 117.46W–.02 11–5 3.0L
PAS III 30 09 09 58.3–1.2 34.23N–.01 117.46W–.02 9–3 3.0L,2.7L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PAS Event type se. hypocenter. manual.

ISC IV 07 06 20 47.4–.83 34.09N–.01 116.41W–.01 18–4 186 0-6
ANF IV 07 06 20 46.8–.08 34.08N 116.41W 15 3.0L ¶610518296
PAS IV 07 06 20 47.8–.93 34.095N–.01 116.40W–.01 9–3 3.0L,2.8L
NEIC IV 07 06 20 47.2–.68 34.100N–.01 116.41W–.01 17–0 3.0L,2.8L
ISC Event type se.
PAS Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 14 10 38 27.6–.82 33.04N–.01 116.44W–.01 12–6 186 0-6
ANF IV 14 10 38 26.7–.16 33.05N 116.43W 15 3.0L ¶610528084
NEIC IV 14 10 38 27.5–.92 33.041N–.00 116.453W–.01 5–2 3.0L
PAS IV 14 10 38 27.7–.97 33.038N–.00 116.447W–.01 6–5 3.2L,2.9L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PAS Event type se. hypocenter. manual.
ISC IV 14 14 14 34.0–.79 34.03N–.01 117.24W–.01 17–2 201 0-5
ANF IV 14 14 14 33.8–.16 34.03N 117.24W 19–1 3.0L ¶610528149
NEIC IV 14 14 14 34.0–1.6 34.06N–.02 117.25W–.02 21–4 3.0L
PAS IV 14 14 14 34.7–1.1 34.040N–.01 117.24W–.01 18–1 3.1L,2.9L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PAS Event type se. hypocenter. manual.
ISC IV 20 14 54 55.0–.86 34.25N–.01 116.83W–.01 7–6 148 0-4
PAS IV 20 14 54 54.8–1.2 34.25N–.01 116.84W–.01 -1–7 3.1L,2.9L ¶610544451
ANF IV 20 14 54 54.3–.28 34.24N 116.83W 5–3 3.2L,3.1L
NEIC IV 20 14 54 55.1–1.3 34.26N–.01 116.83W–.01 5–8 3.2L,3.1L
ISC Event type se.
PAS Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 23 01 47 44.7–.88 33.37N–.01 116.29W–.01 20–3 174 0-6
ANF IV 23 01 47 44.1–.13 33.38N 116.29W 24–2 2.7L ¶610547529
NEIC IV 23 01 47 44.7–.72 33.38N–.01 116.31W–.01 19–1 2.7L
PAS IV 23 01 47 45.1–1.2 33.374N–.01 116.285W–.01 14–2 3.0L,2.8L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PAS Event type se. hypocenter. manual.
ISC IV 23 17 55 54.7–.86 34.40N–.02 119.65W–.02 18–3 137 0-35
IDC IV 23 17 55 52.5–2.3 34.28N 119.72W 0 3.5L,3.2b ¶610547521
ANF IV 23 17 55 54.6–.18 34.41N 119.65W 18–1 3.6L,3.2b
NEIC IV 23 17 55 54.5–1.9 34.43N–.02 119.60W–.03 19–5 3.6L,3.2b
PAS IV 23 17 55 55.5–3.5 34.41N–.04 119.65W–.07 14–6 3.4L,3.2L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PAS Event type se. hypocenter. manual.
ISC IV 23 18 56 00.7–.95 34.42N–.02 119.64W–.02 19–2 96 0-6
NEIC IV 23 18 56 00.4–2.5 34.43N–.04 119.65W–.02 20–6 ¶610547526
ANF IV 23 18 56 00.5–.18 34.42N 119.66W 20–1 3.2L
PAS IV 23 18 56 01.7–4.5 34.42N–.02 119.64W–.01 11–6 3.1L,2.8L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PAS Event type se. hypocenter. manual.
ISC IV 30 19 59 58.3–.85 34.12N–.01 117.31W–.01 19–1 172 0-5
ANF IV 30 19 59 57.8–.14 34.10N 117.32W 18–1 2.7L ¶610589559
PAS IV 30 19 59 58.9–1.0 34.11N–.02 117.32W–.03 16–2 3.0L,2.7L
NEIC IV 30 19 59 58.4–.59 34.12N–.02 117.31W–.02 19–3 3.0L,2.7L
ISC Event type se.
PAS Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 02 05 28 41.5–.79 34.02N–.02 118.53W–.02 16–5 121 0-5
NEIC V 02 05 28 41.4–1.1 34.02N–.02 118.55W–.02 16–2 ¶610590178
PAS V 02 05 28 41.8–1.3 34.03N–.02 118.52W–.02 10–5 3.1L,2.7L
ANF V 02 05 28 41.1–.20 34.01N 118.52W 10–2 2.9L,2.7L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=3.6km s-min=1.0km az=210.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PAS Event type se. Error ellipse: s-maj=3.5km s-min=1.4km az=223.0. hypocenter. manual.
ANF Error ellipse: s-maj=1.9km s-min=1.6km az=76.0.
ISC V 03 15 44 55.0–.80 33.48N–.01 116.81W–.01 12–5 227 0-8
ANF V 03 15 44 54.8–.17 33.48N 116.80W 9–1 3.4L ¶610593825
NEIC V 03 15 44 55.2–1.1 33.482N–.01 116.81W–.01 16–0 3.4L
PAS V 03 15 44 55.6–1.1 33.484N–.01 116.801W–.01 3–5 3.4L,3.2L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PAS Event type se. hypocenter. manual.
NEIC V 06 20 32 31.5–1.1 34.302N–.01 119.73W–.01 15–2
PAS V 06 20 32 31.6–2.8 34.31N–.01 119.74W–.01 2–6 3.2L,3.0L ¶610617722
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PAS Event type se. hypocenter. manual.
ISC V 13 14 17 48.2–.93 34.58N–.02 116.60W–.02 11–9 96 0-4
ANF V 13 14 17 47.5–.14 34.59N 116.60W 18–1 2.9L ¶610638470
PAS V 13 14 17 48.3–1.7 34.589N–.01 116.60W–.01 6–7 3.0L,2.7L
NEIC V 13 14 17 48.1–1.6 34.58N–.01 116.609W–.01 5–2 3.0L,2.7L
ISC Event type se.
PAS Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 15 18 43 08.0–.82 34.23N–.01 116.74W–.01 14–6 275 0-8
ANF V 15 18 43 07.7–.13 34.22N 116.74W 11–1 3.6L ¶610639757
NEIC V 15 18 43 08.1–.99 34.223N–.01 116.743W–.01 16–1 3.6L
PAS V 15 18 43 08.1–1.4 34.227N–.01 116.743W–.01 1–5 3.6L,3.3L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PAS Event type se. hypocenter. manual.
ISC V 17 04 42 24.9–.79 34.40N–.02 119.99W–.02 13–5 3.9b,3.3s 272 0-150
IDC V 17 04 42 24.3–.90 34.40N 119.90W 0 3.8,3.8b ¶610641727
ANF V 17 04 42 24.7–.34 34.39N 119.99W 15 4.2L,3.8b
NEIC V 17 04 42 25.1–1.5 34.42N–.01 120.00W–.02 18–2 4.2L,3.8b
PAS V 17 04 42 25.3–3.1 34.42N–.01 120.00W–.01 2–5 4.1,4.0b
NEIC V 17 04 42 25 34.42N 120.00W 14 4.1,4.0b
ISC Event type se.
IDC Error ellipse: s-maj=13.8km s-min=9.3km az=60.0.
ANF Error ellipse: s-maj=3.9km s-min=1.6km az=75.0.
NEIC Event type se. Error ellipse: s-maj=2.1km s-min=1.7km az=75.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PAS Event type se. Error ellipse: s-maj=1.7km s-min=1.4km az=222.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}1.02 $M_{\theta\theta}$-1.01 $M_{\phi\phi}$-0.00 $M_{r\theta}$0.07 $M_{\theta\phi}$1.29 $M_{\phi r}$-0.23 NP1:ϕ_s275.00000°,δ50.00000°,λ40.00000°. NP2: ϕ_s151.00000°,δ56.00000°,λ130.00000°. Principal axes: T 1.1248,Plg58.0000°,Azm119.0000°; N 0.7817,Plg32.0000°,Azm307.0000°; P -1.9065,Plg4.0000°,Azm215.0000° $M_0$1.52000×10^{15}
NEIC V 17 04 43 29.2–1.0 34.45N–.01 119.994W–.01 14–3
PAS V 17 04 43 29.2–1.5 34.432N–.01 120.00W–.01 2–8 3.1L,3.0L ¶610641728
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PAS Event type se. hypocenter. manual.
NEIC V 25 14 19 50.8–1.7 34.03N–.03 118.98W–.03 19–7
ANF V 25 14 19 50.9–.15 34.03N 118.99W 17–1 3.4L ¶610654430
PAS V 25 14 19 51.9–2.5 34.03N–.02 118.99W–.01 11–6 3.3L,2.9L

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PAS Event type se. hypocenter. manual.
ISC V 29 19 00 55.4–.83 33.59N–.01 116.64W–.01 19–1 179 0-6
NEIC V 29 19 00 55.6–.93 33.586N–.01 116.63W–.01 19–0 **¶610655576**
ANF V 29 19 00 55.2–.17 33.57N 116.64W 12–1 3.0L
PAS V 29 19 00 56.3–1.1 33.583N–.01 116.638W–.01 14–1 3.2L,2.9L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PAS Event type se. hypocenter. manual.
ISC V 30 04 14 44.7–.81 34.86N–.01 118.96W–.01 13–6 219 0-7
ANF V 30 04 14 44.3–.20 34.87N 118.97W 16–1 3.6L **¶610655718**
PAS V 30 04 14 44.8–1.9 34.864N–.01 118.964W–.01 0–5 3.5L,3.1L
NEIC V 30 04 14 45.1–1.9 34.869N–.01 118.95W–.01 18–1 3.5L,3.1L
ISC Event type se.
PAS Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 02 08 08 34.7–.86 33.86N–.02 119.40W–.02 17–7 126 0-5
ANF VI 02 08 08 34.5–.30 33.88N 119.36W 14–3 2.8L **¶610659609**
NEIC VI 02 08 08 34.8–1.5 33.856N–.01 119.39W–.02 20–7 2.8L
PAS VI 02 08 08 35.1–2.1 33.87N–.01 119.38W–.01 7–4 3.0L,2.6L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PAS Event type se. hypocenter. manual.
ISC VI 07 07 12 33.0–.88 33.88N–.01 116.81W–.01 18–2 209 0-8
ANF VI 07 07 12 32.5–.14 33.86N 116.81W 15 3.2L **¶610666235**
NEIC VI 07 07 12 33.1–.61 33.88N–.02 116.81W–.02 19–3 3.2L
PAS VI 07 07 12 33.7–.81 33.876N–.01 116.81W–.01 16–1 3.2L
NEIC VI 07 07 12 34.7–2.2 33.86N–.04 116.84W–.05 14–7 3.2L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PAS Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 07 13 30 48.8–.80 33.88N–.01 116.22W–.01 17–5 149 0-4
ANF VI 07 13 30 47.8–.16 33.87N 116.20W 15 2.8L **¶610666962**
NEIC VI 07 13 30 48.9–1.1 33.894N–.01 116.222W–.01 10–1 2.8L
PAS VI 07 13 30 49.2–1.1 33.892N–.01 116.204W–.01 9–3 3.0L,2.6L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PAS Event type se. hypocenter. manual.
NEIC VI 08 04 30 23.5–.90 34.42N–.02 120.73W–.03 18–2
PAS VI 08 04 30 23.2–3.2 34.42N–.02 120.73W–.02 -0–6 3.0L,2.6L **¶610667773**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PAS Event type se. hypocenter. manual.
NEIC VI 09 02 45 45.1–1.5 34.37N–.03 120.81W–.03 10–2
PAS VI 09 02 45 46.0–3.1 34.42N–.01 120.74W–.01 -0–7 3.4L,2.9L **¶610668114**
ANF VI 09 02 45 47.4–.53 34.41N 120.70W 29–2 3.3L,2.9L
NCEDC VI 09 02 45 47.1 34.42N 120.73W 20 3.3L,2.9L
NEIC Event type se. Error ellipse: s-maj=5.6km s-min=3.1km az=43.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PAS Event type se. Error ellipse: s-maj=2.4km s-min=0.8km az=146.0. hypocenter. manual.
ANF Error ellipse: s-maj=3.7km s-min=2.6km az=94.0.
ISC VI 18 15 14 11.6–.79 33.67N–.01 116.77W–.01 18–2 199 0-5
ANF VI 18 15 14 10.7–.13 33.67N 116.75W 15 3.1L **¶610681518**
NEIC VI 18 15 14 11.5–.73 33.67N–.01 116.766W–.01 19–1 3.1L
PAS VI 18 15 14 12.1–1.0 33.676N–.01 116.761W–.01 16–1 3.2L,3.1L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PAS Event type se. hypocenter. manual.
ISC VI 25 13 53 24.1–.83 34.00N–.01 116.89W–.01 18–2 220 0-6
ANF VI 25 13 53 23.8–.14 33.99N 116.90W 16–1 3.5L **¶611189149**
NEIC VI 25 13 53 24.2–.73 33.996N–.01 116.903W–.01 18–1 3.5L
PAS VI 25 13 53 24.8–.82 34.001N–.01 116.903W–.01 14–1 3.5L,3.3L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PAS Event type se. hypocenter. manual.

(45) California-Baja California border region.

ISC I 01 01 42 34.7–.79 32.96N–.02 115.54W–.01 18–3 139 0-6
NEIC I 01 01 42 34.8–2.2 32.967N–.01 115.54W–.03 20–6 **¶609947716**
ANF I 01 01 42 34.1–.25 32.98N 115.54W 15 2.9L
PAS I 01 01 42 35.1–1.5 32.98N–.01 115.55W–.02 14–2 3.1L,2.9L
ECX I 01 01 42 35.7–.60 32.98N 115.56W 10–6 3.1L,2.9
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=3.9km s-min=1.1km az=82.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ANF Error ellipse: s-maj=2.5km s-min=1.8km az=151.0.
PAS Event type se. Error ellipse: s-maj=2.9km s-min=1.9km az=106.0. hypocenter. manual.
ECX Error ellipse: s-maj=2.2km s-min=1.5km az=-1.0.
ISC I 01 02 50 06.3–.78 32.98N–.02 115.56W–.02 15–4 113 0-5
NEIC I 01 02 50 06.6–1.3 32.98N–.02 115.57W–.01 18–2 **¶609947721**
PAS I 01 02 50 06.8–1.4 32.98N–.01 115.55W–.01 11–5 3.1L,2.9L
ANF I 01 02 50 06.1–.23 32.97N 115.55W 14–2 3.0L,2.9L
ECX I 01 02 50 07.3–.70 32.98N 115.55W 4–5 3.1L,2.9
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=2.6km s-min=1.6km az=173.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PAS Event type se. Error ellipse: s-maj=1.8km s-min=1.7km az=66.0. hypocenter. manual.
ANF Error ellipse: s-maj=2.4km s-min=1.3km az=152.0.
ECX Error ellipse: s-maj=3.4km s-min=2.1km az=-1.0.
ISC I 02 02 13 13.2–.87 32.40N–.04 115.26W–.04 11–5 26 0-1
MEX I 02 02 13 11.3–.66 32.41N 114.99W 5 3.7 **¶611917759**
ECX I 02 02 13 11.8–.46 32.37N 115.20W 9–1 2.4L,2.2
ISC Event type ke.
MEX Error ellipse: s-maj=233.5km s-min=7.2km az=-1.0.
ECX Error ellipse: s-maj=1.4km s-min=1.6km az=-1.0.
ISC I 06 06 55 08.1–.81 32.39N–.03 115.27W–.02 15–4 80 0-3
ECX I 06 06 55 06.2–.37 32.44N 115.24W 3–0 3.3L,2.7 **¶610010028**
NEIC I 06 06 55 07.5–2.3 32.30N–.02 115.20W–.03 10–1 3.3L,2.7
MEX I 06 06 55 07.0–.30 32.40N 115.41W 3 3.2,2.7
PAS I 06 06 55 09.3–2.2 32.38N–.02 115.27W–.02 8–4 3.4L,3.2L
ANF I 06 06 55 09.5–1.6 32.47N 115.28W 8 3.1L,3.2L
ISC Event type se.
ECX Error ellipse: s-maj=1.4km s-min=0.7km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=4.9km s-min=3.0km az=311.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Error ellipse: s-maj=0.6km s-min=3.8km az=-1.0.
PAS Event type se. Error ellipse: s-maj=3.8km s-min=0.8km az=140.0. hypocenter. manual.
ANF Error ellipse: s-maj=13.3km s-min=5.2km az=162.0.
ISC I 06 06 55 47.5–.87 32.36N–.02 115.29W–.02 9–6 64 0-2
MEX I 06 06 55 46.3–.30 32.35N 115.35W 3 3.8 **¶610171998**
ECX I 06 06 55 46.1–.43 32.36N 115.29W 7–2 3.4L,3.2
PAS I 06 06 55 47.8–2.1 32.40N–.01 115.25W–.02 3–6 3.5L,3.3L
NEIC I 06 06 55 47.7–2.2 32.35N–.01 115.28W–.01 7–6 3.5L,3.3L
ISC Event type se.
PAS Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC I 22 16 13 41.4–.82 32.20N–.02 115.23W–.02 16–5 156 0-6
ECX I 22 16 13 40.8–.51 32.19N 115.25W 10–1 3.5L,3.3 **¶610105093**
ANF I 22 16 13 40.6–.92 32.24N 115.15W 15–5 3.0L,3.3
NEIC I 22 16 13 41.6–1.6 32.20N–.02 115.18W–.02 26–8 3.0L,3.3
PAS I 22 16 13 42.4–2.1 32.22N–.02 115.21W–.03 19–2 3.3L,3.2L
MEX I 22 16 13 43.9–.50 32.23N 115.21W 10 3.2,3.2L
ISC Event type se.
ECX Error ellipse: s-maj=1.6km s-min=1.7km az=-1.0.
ANF Error ellipse: s-maj=5.7km s-min=2.7km az=18.0.
NEIC Event type se. Error ellipse: s-maj=2.9km s-min=2.3km az=189.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PAS Event type se. Error ellipse: s-maj=4.1km s-min=2.9km az=128.0. hypocenter. manual.
MEX Error ellipse: s-maj=1.6km s-min=3.4km az=-1.0.
ISC II 05 08 09 00.2–.83 32.33N–.02 115.40W–.01 18–2 172 0-7
ECX II 05 08 08 59.2–.50 32.33N 115.42W 8–2 3.4L,3.2 **¶610197600**
ANF II 05 08 09 00.5–.42 32.40N 115.37W 26–2 3.1L,3.2
NEIC II 05 08 09 00.3–1.9 32.29N–.01 115.41W–.01 10–1 3.1L,3.2
PAS II 05 08 09 01.0–1.8 32.36N–.01 115.38W–.02 15–2 3.3L,3.2L
MEX II 05 08 09 01.6–.69 32.46N 115.24W 34–4 3.4,3.2L
ISC Event type se.
ECX Error ellipse: s-maj=1.3km s-min=1.8km az=-1.0. Moment Tensor Solution. NP1:ϕ_s45.00000°,δ88.00000°,λ-2.00000°.
ANF Error ellipse: s-maj=4.4km s-min=2.3km az=6.0.
NEIC Event type se. Error ellipse: s-maj=2.9km s-min=2.3km az=54.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PAS Event type se. Error ellipse: s-maj=2.2km s-min=1.9km az=214.0. hypocenter. manual.
MEX Error ellipse: s-maj=4.7km s-min=4.5km az=-1.0.
ISC III 22 18 57 31.9–.82 32.17N–.02 115.24W–.02 18–4 186 0-7
ANF III 22 18 57 31.2–1.1 32.20N 115.22W 17–8 3.9L **¶610423733**
MEX III 22 18 57 32.1–.64 32.38N 115.00W 40–4 4.0
PAS III 22 18 57 33.0–2.6 32.23N–.02 115.23W–.03 18–5 4.0L,3.8L
NEIC III 22 18 57 32.8–2.1 32.22N–.02 115.22W–.02 22–7 4.0L,3.8L
ECX III 22 18 57 33.8–.71 32.19N 115.27W 7–4 4.0L,3.6
ISC Event type se.
ANF Error ellipse: s-maj=3.6km s-min=1.6km az=22.0.
MEX Error ellipse: s-maj=4.3km s-min=5.2km az=-1.0.
PAS Event type se. Error ellipse: s-maj=3.9km s-min=2.7km az=136.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=3.4km s-min=2.3km az=195.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ECX Error ellipse: s-maj=1.7km s-min=1.4km az=-1.0. Moment Tensor Solution. NP1:ϕ_s21.00000°,δ18.00000°,λ-57.00000°.
ISC III 22 18 59 05.1–.96 32.19N–.02 115.27W–.02 20–2 77 0-6
NEIC III 22 18 59 05.4–1.5 32.21N–.02 115.22W–.02 19–6 **¶610423771**
PAS III 22 18 59 06.2–2.0 32.224N–.01 115.22W–.02 15–2 3.8L,3.4L
ECX III 22 18 59 06.6–.68 32.20N 115.26W 0–3 3.8L,3.6
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=3.6km s-min=2.0km az=145.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PAS Event type se. Error ellipse: s-maj=2.0km s-min=1.5km az=93.0. hypocenter. manual.
ECX Error ellipse: s-maj=1.3km s-min=1.8km az=-1.0.
ISC III 28 11 03 27.2–.81 32.94N–.02 115.55W–.01 18–2 135 0-7
ANF III 28 11 03 26.2–.23 32.95N 115.54W 15 2.9L **¶610437827**
NEIC III 28 11 03 27.3–1.8 32.94N–.01 115.56W–.01 20–2 2.9L
PAS III 28 11 03 27.6–2.0 32.943N–.01 115.54W–.01 11–2 3.0L,2.9L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PAS Event type se. hypocenter. manual.
ISC III 29 16 34 22.0–1.0 32.03N–.02 116.98W–.03 16–7 154 0-6
NEIC III 29 16 34 22.5–1.8 32.00N–.03 116.92W–.03 9–4 **¶610448490**
ANF III 29 16 34 23.0–.55 32.06N 116.88W 7–1 3.0L
ECX III 29 16 34 23.9–.67 32.02N 116.91W 10–8 3.2L,2.8
PAS III 29 16 34 23.4–1.9 32.03N–.03 116.91W–.02 10–5 3.2L,2.9L
MEX III 29 16 34 24.8–.60 32.12N 116.97W 10 3.1,2.9L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=4.7km s-min=2.7km az=208.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ANF Error ellipse: s-maj=3.4km s-min=2.0km az=29.0.
ECX Error ellipse: s-maj=1.6km s-min=3.3km az=-1.0. Moment Tensor Solution. NP1: ϕ_s118.00000°,δ58.00000°,λ-170.00000°.
PAS Event type se. Error ellipse: s-maj=4.8km s-min=2.4km az=206.0. hypocenter. manual.
MEX Error ellipse: s-maj=2.4km s-min=7.5km az=-1.0.
ISC IV 01 06 40 43.9–.79 32.48N–.02 116.98W–.02 17–4 206 0-6
ANF IV 01 06 40 43.9–.44 32.53N 116.99W 17–2 3.5L **¶610468903**
NEIC IV 01 06 40 44.1–1.4 32.51N–.02 116.96W–.02 17–1 3.5L
PAS IV 01 06 40 44.4–1.5 32.50N–.01 116.97W–.02 12–2 3.5L,3.4L
MEX IV 01 06 40 45.2–.30 32.51N 116.93W 5–3 4.1,3.4L
ECX IV 01 06 40 45.0–.50 32.51N 116.95W 5–8 3.6L,3.4
ISC Event type se.
ANF Error ellipse: s-maj=3.1km s-min=1.8km az=12.0.
NEIC Event type se. Error ellipse: s-maj=2.8km s-min=1.5km az=224.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PAS Event type se. Error ellipse: s-maj=2.5km s-min=1.5km az=222.0. hypocenter. manual.
MEX Error ellipse: s-maj=3.3km s-min=3.3km az=-1.0.
ECX Error ellipse: s-maj=0.9km s-min=1.5km az=-1.0.
ISC IV 11 07 27 01.3–.77 32.38N–.02 115.27W–.02 13–4 138 0-5
ECX IV 11 07 27 00.6–.64 32.39N 115.25W 7–1 3.4L,3.2 **¶610526216**
ANF IV 11 07 27 01.4–.49 32.41N 115.24W 26–3 3.2L,3.2
NEIC IV 11 07 27 01.8–2.3 32.36N–.01 115.26W–.01 10–1 3.2L,3.2
MEX IV 11 07 27 02.4–.92 32.44N 115.11W 7–5 3.8,3.2
PAS IV 11 07 27 02.1–2.1 32.40N–.01 115.26W–.01 6–4 3.3L,3.2L
ISC Event type se.
ECX Moment Tensor Solution. NP1:ϕ_s47.00000°,δ81.00000°,λ-42.00000°.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PAS Event type se. hypocenter. manual.
ISC IV 11 07 37 44.9–.93 32.38N–.04 115.27W–.04 14–5 18 0-1
ECX IV 11 07 37 43.6–.48 32.35N 115.24W 10–5 2.5L,2.3 **¶611918250**
MEX IV 11 07 37 44.3–.83 32.42N 115.02W 11–3 3.4,2.3
ISC Event type ke.
ECX Error ellipse: s-maj=1.6km s-min=1.9km az=-1.0.
MEX Error ellipse: s-maj=16.8km s-min=9.0km az=-1.0.
ISC IV 29 17 06 58.9–.72 32.41N–.02 115.24W–.01 17–3 227 0-10
ANF IV 29 17 06 58.2–.99 32.37N 115.22W 17–7 3.6L **¶610589267**
ECX IV 29 17 06 58.7–.62 32.42N 115.21W 7–1 3.8L,3.6
MEX IV 29 17 06 59.7–.75 32.48N 115.12W 2–6 3.5,3.6
NEIC IV 29 17 06 60.0–2.5 32.41N–.02 115.251W–.01 22–6 3.5,3.6
PAS IV 29 17 07 00.0–2.9 32.41N–.02 115.23W–.02 9–4 3.7L,3.5L
ISC Event type se.
ECX Moment Tensor Solution. NP1:ϕ_s0.00000°,δ88.00000°,λ-162.00000°.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PAS Event type se. hypocenter. manual.
ISC V 16 18 19 37.6–.83 32.82N–.02 115.63W–.01 18–2 155 0-6
ANF V 16 18 19 37.5–.27 32.87N 115.61W 20–2 2.8L **¶610641626**
NEIC V 16 18 19 37.6–1.4 32.82N–.01 115.63W–.01 23–1 2.8L
PAS V 16 18 19 38.3–3.1 32.831N–.01 115.61W–.01 12–2 3.0L,2.8L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PAS Event type se. hypocenter. manual.
ISC V 29 11 45 59.2–1.5 32.62N–.07 115.14W–.07 17–7 15 0-2
ECX V 29 11 45 58.5–1.4 32.56N 115.10W 6–13 2.6L,2.1 **¶611918758**
MEX V 29 11 46 02.9–.54 32.32N 115.07W 10 3.2,2.1
ISC Event type ke.

ECX Error ellipse: s-maj=17.6km s-min=28.6km az=-1.0.
MEX Error ellipse: s-maj=12.2km s-min=12.9km az=-1.0.
ISC VI 01 15 19 13.6–.84 32.99N–.01 115.91W–.01 17–2 163 0-4
ANF VI 01 15 19 13.5–.18 33.00N 115.90W 15 2.8L ¶610657928
NEIC VI 01 15 19 13.8–1.8 32.98N–.02 115.92W–.02 22–7 2.8L
PAS VI 01 15 19 14.6–1.6 32.979N–.01 115.905W–.01 11–2 3.2L,2.8L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PAS Event type se. hypocenter. manual.
ISC VI 16 14 14 34.9–.78 32.97N–.01 115.88W–.01 16–1 216 0-5
ANF VI 16 14 14 35.3–.19 32.98N 115.88W 13–1 3.2L ¶610678616
NEIC VI 16 14 14 36.5–1.7 32.978N–.01 115.93W–.01 10–1 3.2L
PAS VI 16 14 14 36.5–1.7 32.972N–.01 115.89W–.01 11–2 3.3L,3.1L
ECX VI 16 14 14 37.1–.63 32.96N 115.91W 3–2 3.2L,3.0
ISC Event type se.
ANF Error ellipse: s-maj=1.9km s-min=1.1km az=144.0.
NEIC Event type se. Error ellipse: s-maj=2.8km s-min=1.5km az=110.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PAS Event type se. Error ellipse: s-maj=1.3km s-min=1.2km az=131.0. hypocenter. manual.
ECX Error ellipse: s-maj=1.1km s-min=1.2km az=-1.0.

(46) Western Arizona-Sonora border region.

ISC V 29 11 41 03.8–3.2 32.7N–.10 115.0W–.10 10 11 0-2
ECX V 29 11 41 03.5–.30 32.62N 115.71W 6 2.5L,2.3 ¶611918757
MEX V 29 11 41 10.5–.60 32.31N 115.06W 10 3.5,2.3
ISC Event type ke.
ECX Error ellipse: s-maj=17.9km s-min=6.7km az=-1.0.
MEX Error ellipse: s-maj=7.3km s-min=10.4km az=-1.0.

SEISMIC REGION 4.
Lower California and Gulf of California.

(47) Off west coast of Baja California.

IDC IV 20 22 09 52.9–999 27.30N 119.80W 0
¶610653139
IDC Error ellipse: s-maj=2972.0km s-min=154.8km az=24.0.

(48) Baja California.

ISC II 06 07 47 05.6–.92 31.59N–.02 116.03W–.02 23–7 136 0-6
PAS II 06 07 47 05.4–2.1 31.62N–.03 116.01W–.03 10–3 3.4L,3.1L ¶610197737
NEIC II 06 07 47 05.2–2.4 31.59N–.04 116.03W–.03 15–4 3.4L,3.1L
ECX II 06 07 47 06.0–.57 31.63N 116.00W 5–4 3.4L,3.2
MEX II 06 07 47 06.2–.90 31.51N 116.12W 8–10 3.3,3.2
ISC Event type se.
PAS Event type se. Error ellipse: s-maj=4.0km s-min=2.9km az=210.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=5.9km s-min=3.0km az=212.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ECX Error ellipse: s-maj=0.9km s-min=1.5km az=-1.0.
MEX Error ellipse: s-maj=4.5km s-min=5.4km az=-1.0.
ECX II 16 23 07 08.8–.67 31.78N 116.26W 5–5 2.9L,2.8
NEIC II 16 23 07 08.1–1.1 31.788N–.01 116.28W–.02 10–5 2.9L,2.8 ¶610223759
PAS II 16 23 07 08.4–1.1 31.76N–.02 116.28W–.02 12–6 3.0L,2.6L
MEX II 16 23 07 09.7–.32 31.76N 116.34W 12–4 2.9,2.6L
ECX Error ellipse: s-maj=1.5km s-min=1.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=2.0km s-min=1.5km az=81.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PAS Event type se. Error ellipse: s-maj=3.7km s-min=1.8km az=207.0. hypocenter. manual.
MEX Error ellipse: s-maj=1.8km s-min=2.5km az=-1.0.
ISC III 17 19 59 59.9–.81 31.22N–.02 115.67W–.02 16–5 228 0-17
ECX III 17 20 00 00.7–.60 31.26N 115.67W 11–3 4.0L,3.7 ¶610344594
PAS III 17 20 00 00.4–2.6 31.25N–.04 115.69W–.03 12–5 4.0L,3.7
NEIC III 17 20 00 00.4–2.4 31.33N–.03 115.65W–.03 3–6 4.3,4.1L
MEX III 17 20 00 01.7–.72 31.09N 115.73W 14–3 4.3,4.1L
ANF III 17 20 00 01.5–.97 31.34N 115.56W 20–6 4.0L,4.1L
IDC III 17 20 00 04.9–2.9 31.45N 115.30W 0 3.6L,3.4
ISC Event type se.
ECX Error ellipse: s-maj=1.3km s-min=1.5km az=-1.0. Moment Tensor Solution. NP1:ϕ_s15.00000°,δ48.00000°,λ-43.00000°.
PAS Event type se. Error ellipse: s-maj=6.5km s-min=3.2km az=189.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=5.3km s-min=2.9km az=218.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Error ellipse: s-maj=4.9km s-min=3.6km az=-1.0.
ANF Error ellipse: s-maj=4.8km s-min=2.7km az=21.0.
IDC Error ellipse: s-maj=47.4km s-min=12.8km az=38.0.
ISC IV 23 23 19 36.2–1.1 28.84N–.03 113.28W–.03 7–9 3.7b,3.4s 49 0-95
MEX IV 23 23 19 36.5–.56 28.77N 113.32W 15–13 4.2,3.4s ¶610598443
ECX IV 23 23 19 36.5–.73 28.93N 113.25W 3–9 4.1L,3.8
IDC IV 23 23 19 40.2–1.4 28.95N 112.69W 0 3.7b,3.6
ISC Event type ke.
MEX Error ellipse: s-maj=3.0km s-min=3.3km az=-1.0.
ECX Error ellipse: s-maj=3.2km s-min=2.9km az=-1.0.
IDC Error ellipse: s-maj=20.1km s-min=9.9km az=42.0.
ISC V 03 09 03 03.6–.89 31.77N–.02 115.90W–.02 25–6 121 0-5
PAS V 03 09 03 03.7–1.4 31.77N–.04 115.89W–.03 18–6 3.0L,2.7L ¶610593235
NEIC V 03 09 03 03.1–1.6 31.79N–.02 115.93W–.03 10–1 3.0L,2.7L
ECX V 03 09 03 04.1–.55 31.77N 115.89W 8–12 2.9L,2.6
ANF V 03 09 03 04.1–.83 31.86N 115.97W 13–4 2.6L,2.6
MEX V 03 09 03 04.9–.47 31.77N 115.90W 9–5 3.1,2.6
ISC Event type se.
PAS Event type se. Error ellipse: s-maj=6.2km s-min=3.7km az=158.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=4.3km s-min=3.7km az=150.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ECX Error ellipse: s-maj=0.9km s-min=1.5km az=-1.0.
ANF Error ellipse: s-maj=5.7km s-min=4.0km az=58.0.
MEX Error ellipse: s-maj=1.9km s-min=2.3km az=-1.0.
ISC VI 16 22 54 28.5–.92 31.07N–.03 115.26W–.03 12–7 57 0-4
ECX VI 16 22 54 29.8–.65 31.06N 115.30W 7–7 3.3L,3.1 ¶611918843
MEX VI 16 22 54 29.1–.52 30.92N 115.30W 5 3.2,3.1
ANF VI 16 22 54 30.8–1.4 31.27N 115.20W 14–7 3.0L,3.1
ISC Event type ke.
ECX Error ellipse: s-maj=2.8km s-min=1.7km az=-1.0.
MEX Error ellipse: s-maj=4.8km s-min=2.1km az=-1.0.
ANF Error ellipse: s-maj=9.3km s-min=4.7km az=28.0.

(49) Gulf of California.

ISC I 12 02 00 09.5–.93 29.60N–.04 113.81W–.04 10 20 1-4
ECX I 12 02 00 10.5–.48 29.59N 113.84W 20–16 3.7L,3.5 ¶611917792
MEX I 12 02 00 11.3–.59 29.50N 113.89W 5 3.8,3.5
ISC Event type ke.
ECX Error ellipse: s-maj=2.9km s-min=3.4km az=-1.0.
MEX Error ellipse: s-maj=4.7km s-min=7.5km az=-1.0.
ISC I 16 00 59 01.2–1.6 25.52N–.05 110.03W–.04 6–12 3.3s 26 1-66
IDC I 16 00 59 01.8–1.4 25.57N 110.19W 0 3.5s,3.4L ¶610172026
ECX I 16 00 59 03.2–.50 25.50N 109.98W 20–29 3.8L,3.6
MEX I 16 00 59 06.2–.65 25.62N 109.92W 14–28 4.1,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=62.8km s-min=11.8km az=92.0.
ECX Error ellipse: s-maj=4.0km s-min=5.1km az=-1.0.
MEX Error ellipse: s-maj=16.1km s-min=20.8km az=-1.0.
ISC I 17 05 27 54.1–1.5 27.43N–.09 111.34W–.07 12–13 12 1-2
ECX I 17 05 27 55.5–.35 27.48N 111.34W 18–12 2.5L,2.3 ¶611917816
MEX I 17 05 27 55.8–.48 27.35N 111.25W 17–712 3.5,2.3
ISC Event type ke.
ECX Error ellipse: s-maj=9.5km s-min=4.2km az=-1.0.
MEX Error ellipse: s-maj=13.2km s-min=8.5km az=-1.0.
ISC I 17 06 14 13.6–1.6 27.43N–.04 111.30W–.04 6–13 22 1-3
MEX I 17 06 14 17.9–.56 27.36N 111.26W 16–999 3.9 ¶611917818
ECX I 17 06 14 17.7–.78 27.52N 111.38W 20–8 3.8L,3.6
ISC Event type ke.
MEX Error ellipse: s-maj=9.1km s-min=7.5km az=-1.0.
ECX Error ellipse: s-maj=5.2km s-min=4.3km az=-1.0.
ISC I 18 04 09 38.1–1.1 27.56N–.04 111.40W–.03 8–8 3.9b,3.5s 118 1-72
NEIC I 18 04 09 37.9–1.8 27.36N–.07 111.28W–.10 10–2 4.1,4.1b ¶610101644
IDC I 18 04 09 38.9–2.5 27.75N 111.15W 0 3.8b,3.6
ECX I 18 04 09 38.9–.55 27.57N 111.40W 20–16 4.1L,3.9
MEX I 18 04 09 39.0–.32 27.39N 111.29W 15–11 4.1,3.9
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.3km s-min=11.1km az=250.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=38.0km s-min=12.6km az=15.0.
ECX Error ellipse: s-maj=4.7km s-min=3.4km az=-1.0.
MEX Error ellipse: s-maj=11.0km s-min=9.9km az=-1.0.
ISC II 26 05 07 13.1–2.5 25.18N–.03 109.77W–.04 15–16 4.2b,3.9s 289 1-122
IDC II 26 05 07 10.8–.55 25.15N 109.82W 0 4.1,4.1b ¶610241384
NEIC II 26 05 07 12.2–2.9 25.14N–.04 109.81W–.06 10–1 4.3,4.3b
MEX II 26 05 07 13.9–.39 25.20N 109.75W 16–6 4.3,4.3b
ISC Event type se.
IDC Error ellipse: s-maj=16.0km s-min=8.9km az=94.0.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=6.7km az=257.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Error ellipse: s-maj=6.0km s-min=8.3km az=-1.0.
ISC II 26 11 55 05.6–1.4 25.30N–.04 109.93W–.06 5–13 13 1-4
ECX II 26 11 55 09.2–.63 25.44N 110.07W 0–33 3.1,2.8L ¶611720658
MEX II 26 11 55 11.6–.66 25.25N 109.66W 10 3.9,2.8L
ISC Event type se.
ECX Error ellipse: s-maj=8.6km s-min=10.5km az=-1.0.
MEX Error ellipse: s-maj=10.8km s-min=19.6km az=-1.0.
ISC III 06 22 11 56.3–1.3 28.06N–.05 112.15W–.04 25–16 17 1-3
MEX III 06 22 11 57.9–.39 28.08N 112.19W 12–9 3.6 ¶611720754
ECX III 06 22 11 57.4–.41 28.06N 112.11W 20–12 3.2L,3.0
ISC Event type ke.
MEX Error ellipse: s-maj=5.1km s-min=6.7km az=-1.0.
ECX Error ellipse: s-maj=1.9km s-min=1.9km az=-1.0.
ISC III 29 15 15 23.9–.63 25.74N–.03 110.06W–.03 8–3 5.3s,5.1b 736 1-146
ECX III 29 15 15 22.8–.62 25.77N 110.10W 13–13 5.4L,5.1b ¶611832147
NEIC III 29 15 15 23.5–1.7 25.71N–.04 110.02W–.03 17–1 5.7,5.6
IDC III 29 15 15 23.3–.50 25.69N 110.06W 0 5.1s,4.6b
MEX III 29 15 15 24.9–.68 25.78N 110.10W 13–9 5.5,4.6b
NEIC III 29 15 15 25.5 25.84N 109.94W 10 5.5,4.6b
BJI III 29 15 15 25.3–.00 25.73N 110.11W 7 5.6b,5.6s
NEIC III 29 15 15 26.8 25.99N 110.04W 22 5.6b,5.6s
NEIC III 29 15 15 26.8 25.49N 109.93W 22 5.6b,5.6s
GCMT III 29 15 15 27.5–.10 25.88N–.01 110.09W–.01 22–0 5.6W,5.6s
MOS III 29 15 15 28.1–1.3 26.06N 109.71W 29 5.4b,5.3s
ISC Event type se.
ECX Error ellipse: s-maj=6.7km s-min=2.9km az=-1.0. Moment Tensor Solution. NP1:ϕ_s48.00000°,δ58.00000°,λ-22.00000°.
NEIC Event type se. Error ellipse: s-maj=7.9km s-min=2.9km az=216.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.69 $M_{\theta\theta}$-3.10 $M_{\phi\phi}$2.41 $M_{r\theta}$-0.29 $M_{r\phi}$0.31 $M_{\theta\phi}$-0.39 NP1:ϕ_s137.75000°,δ78.23000°,λ173.96000°. NP2:ϕ_s228.99000°,δ84.08000°,λ11.83000°. Principal axes: T 2.5221,Plg13.0000°,Azm94.0000°; N 0.6189,Plg77.0000°,Azm255.0000°; P -3.1409,Plg4.0000°,Azm3.0000° $M_0$2.88000×10^{17}
IDC Error ellipse: s-maj=17.8km s-min=9.7km az=66.0.
MEX Error ellipse: s-maj=3.1km s-min=3.3km az=-1.0.
NEIC Event type se.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 4$\sharp$2 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.14 $M_{\theta\theta}$-3.64 $M_{\phi\phi}$3.78 $M_{r\theta}$0.23 $M_{r\phi}$-0.81 $M_{\theta\phi}$0.22 NP1:ϕ_s218.80000°,δ89.09000°,λ-4.75000°. NP2:ϕ_s308.88000°,δ85.25000°,λ-179.09000°. Principal axes: T 3.8803,Plg3.0000°,Azm264.0000°; N -0.1307,Plg85.0000°,Azm28.0000°; P -3.7496,Plg4.0000°,Azm174.0000° $M_0$3.81000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s132,c211; s156,c305;Duration: 1$\sharp$6 Moment tensor: Scale 10^{17}Nm; M_{rr}0.01±.04 $M_{\theta\theta}$-3.47±.04; $M_{\phi\phi}$3.46±.04; $M_{r\theta}$-0.17±.07; $M_{r\phi}$-0.85±.03; $M_{\theta\phi}$0.24±.07; Best double couple: NP1:ϕ_s308.00000°,δ89.00000°,λ176.00000°. NP2:ϕ_s38.00000°,δ86.00000°,λ1.00000°. Principal axes: T 3.5810,Plg4.0000°,Azm263.0000°; N -0.0030,Plg85.0000°,Azm110.0000°; P -3.5780,Plg2.0000°,Azm353.0000° $M_0$3.58000×10^{17}
MOS Error ellipse: s-maj=9.2km s-min=5.5km az=99.7.
ISC III 29 15 50 38.3–1.5 25.80N–.04 110.16W–.04 3–12 21 1-5
ECX III 29 15 50 40.2–.39 25.78N 110.17W 15–11 3.6L,3.3 ¶611721029
MEX III 29 15 50 44.5–.96 25.67N 110.01W 10 4.0,3.3
ISC Event type ke.
ECX Error ellipse: s-maj=5.6km s-min=2.1km az=-1.0.
MEX Error ellipse: s-maj=8.6km s-min=10.0km az=-1.0.
ISC III 29 22 02 00.4–1.3 25.76N–.04 110.17W–.03 4–10 42 1-66
IDC III 29 22 02 00.7–1.1 25.66N 109.80W 0 3.6b,3.5 ¶610476497
ECX III 29 22 02 02.2–.39 25.81N 110.17W 20–13 3.9L,3.7
MEX III 29 22 02 02.9–.39 25.77N 110.24W 12–8 4.2,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=25.7km s-min=10.7km az=107.0.
ECX Error ellipse: s-maj=4.0km s-min=1.9km az=-1.0.
MEX Error ellipse: s-maj=3.5km s-min=3.8km az=-1.0.
ISC III 30 04 05 27.1–1.6 25.67N–.04 110.02W–.04 12–11 3.6s 32 1-100
IDC III 30 04 05 24.8–1.6 25.53N 109.31W 0 3.8b,3.7s ¶610543970
MEX III 30 04 05 29.3–.48 25.71N 110.04W 8–11 4.3,3.7s
ISC Event type ke.
IDC Error ellipse: s-maj=30.6km s-min=15.3km az=125.0.
MEX Error ellipse: s-maj=5.3km s-min=5.4km az=-1.0.
ISC IV 24 00 15 47.3–.82 26.62N–.04 111.08W–.05 10 3.3s 38 1-44
IDC IV 24 00 15 47.2–1.5 26.53N 110.90W 0 3.4,3.3s ¶610649845
MEX IV 24 00 15 50.2–.71 26.64N 110.96W 14–10 4.1,3.3s
ISC Event type ke.
IDC Error ellipse: s-maj=21.3km s-min=17.7km az=74.0.
MEX Error ellipse: s-maj=4.8km s-min=4.9km az=-1.0.
ISC V 03 04 16 24.3–1.5 25.62N–.04 110.09W–.04 5–12 2.8s 32 1-46
IDC V 03 04 16 24.5–1.4 25.46N 109.79W 0 3.4L,3.3 ¶610689429
MEX V 03 04 16 26.9–.72 25.72N 110.10W 5 4.4,3.3
ISC Event type ke.
IDC Error ellipse: s-maj=26.4km s-min=14.6km az=114.0.
MEX Error ellipse: s-maj=3.5km s-min=4.5km az=-1.0.
ISC V 03 11 47 08.6–1.2 29.53N–.04 113.86W–.07 13–13 13 1-3
MEX V 03 11 47 10.5–.38 29.41N 113.60W 16 3.9 ¶611918604
ECX V 03 11 47 10.2–.39 29.52N 113.99W 9–9 2.5,2.4L
ISC Event type ke.
MEX Error ellipse: s-maj=4.6km s-min=3.6km az=-1.0.
ECX Error ellipse: s-maj=5.3km s-min=7.3km az=-1.0.
ISC V 03 12 12 02.8–1.2 29.53N–.04 113.86W–.04 13–11 18 1-3
ECX V 03 12 12 04.3–.99 29.59N 113.95W 7–18 2.7,2.7L ¶611918605
MEX V 03 12 12 09.0–.31 29.37N 113.63W 10 3.6,2.7L
ISC Event type ke.
ECX Error ellipse: s-maj=4.3km s-min=4.6km az=-1.0.
MEX Error ellipse: s-maj=2.4km s-min=5.1km az=-1.0.
MEX V 08 15 39 54.6–.34 24.32N 109.12W 10 3.7
ECX V 08 15 40 04.8–.73 23.69N 110.24W 6–12 2.9,2.5L ¶611918640
MEX Error ellipse: s-maj=4.5km s-min=5.3km az=-1.0.
ECX Error ellipse: s-maj=4.1km s-min=7.8km az=-1.0.
ISC V 18 10 23 30.3–.82 24.65N–.06 109.22W–.07 10 18 1-47
IDC V 18 10 23 28.1–3.7 24.43N 109.02W 0 3.4L,3.1 ¶610690589
MEX V 18 10 23 33.0–.36 24.68N 109.23W 10 3.7,3.1
ISC Event type ke.
IDC Error ellipse: s-maj=66.5km s-min=14.3km az=147.0.

MEX Error ellipse: s-maj=5.7km s-min=12.2km az=-1.0.
ISC V 18 10 24 53.2–.79 24.58N–.06 109.19W–.05 10 3.8b 21 1-47
IDC V 18 10 24 54.3–4.2 24.61N 109.28W 0 3.6,3.6b ¶610690590
MEX V 18 10 24 56.2–.42 24.67N 109.26W 13–13 4.0,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=74.9km s-min=11.8km az=133.0.
MEX Error ellipse: s-maj=9.1km s-min=14.8km az=-1.0.
ISC V 18 10 32 32.6–1.4 24.41N–.07 108.35W–.07 10 10 1-18
IDC V 18 10 32 42.4–4.7 24.24N 108.96W 0 3.7L,2.9 ¶610690592
MEX V 18 10 32 43.7–.63 24.56N 108.88W 10 3.9,2.9
ISC Event type ke.
IDC Error ellipse: s-maj=76.1km s-min=16.6km az=154.0.
MEX Error ellipse: s-maj=4.8km s-min=9.4km az=-1.0.
ISC V 18 10 42 22.8–1.2 24.64N–.08 109.2W–.10 10 14 1-47
IDC V 18 10 42 21.7–2.6 24.52N 109.07W 0 3.6L,3.4b ¶610690593
MEX V 18 10 42 26.5–1.1 24.69N 109.12W 14–25 4.0,3.4b
ISC Event type ke.
IDC Error ellipse: s-maj=45.2km s-min=13.3km az=143.0.
MEX Error ellipse: s-maj=15.2km s-min=26.0km az=-1.0.
ISC V 18 10 49 40.2–.43 24.66N–.04 109.11W–.04 10 4.4b,3.8s 351 1-123
IDC V 18 10 49 38.4–.63 24.57N 109.18W 0 4.3b,4.2 ¶610642261
NEIC V 18 10 49 39.4–2.8 24.47N–.07 108.93W–.07 10–1 4.3,4.3b
MEX V 18 10 49 41.5–.31 24.68N 109.17W 10 4.3,4.3b
ISC Event type se.
IDC Error ellipse: s-maj=14.7km s-min=10.3km az=144.0.
NEIC Event type se. Error ellipse: s-maj=12.3km s-min=9.3km az=213.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Error ellipse: s-maj=2.6km s-min=4.8km az=-1.0.
ISC V 18 11 59 46.9–.49 24.60N–.04 109.10W–.04 10 4.4b,3.7s 287 1-123
NEIC V 18 11 59 45.0–2.4 24.37N–.06 109.05W–.05 10–1 4.4b,4.3 ¶610642305
IDC V 18 11 59 44.7–1.1 24.39N 109.10W 0 4.2,4.2b
ECX V 18 11 59 45.9–.33 24.64N 109.10W 20–15 4.1L,3.9
MEX V 18 11 59 47.4–.66 24.65N 109.08W 10 4.3,3.9
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=7.0km az=165.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=23.0km s-min=10.6km az=154.0.
ECX Error ellipse: s-maj=3.8km s-min=12.4km az=-1.0. Moment Tensor Solution. NP1: ϕ_s50.00000°,δ21.00000°,λ-76.00000°.
MEX Error ellipse: s-maj=4.8km s-min=9.8km az=-1.0.
ISC V 18 18 50 07.0–2.1 25.77N–.04 110.36W–.06 25–21 3.1s 21 1-66
MEX V 18 18 50 07.2–.79 25.83N 110.32W 10 4.2 ¶610690612
IDC V 18 18 50 08.7–1.3 25.48N 109.69W 0 3.5L,3.2
ISC Event type ke.
MEX Error ellipse: s-maj=4.4km s-min=5.5km az=-1.0.
IDC Error ellipse: s-maj=25.5km s-min=11.4km az=115.0.
ISC V 22 23 30 14.3–.87 24.61N–.06 108.99W–.05 10 17 1-47
IDC V 22 23 30 12.5–3.8 24.16N 108.79W 0 3.6b,3.5L ¶610685186
MEX V 22 23 30 19.9–.34 24.78N 109.29W 30–10 4.0,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=60.5km s-min=13.8km az=154.0.
MEX Error ellipse: s-maj=4.5km s-min=10.5km az=-1.0.
ISC V 23 05 35 17.4–1.2 27.67N–.03 111.58W–.03 1–8 4.3b,4.1s 191 1-101
MEX V 23 05 35 17.1–.55 27.66N 111.61W 2–6 4.3,4.1s ¶610650676
NEIC V 23 05 35 18.6–2.6 27.67N–.05 111.64W–.09 10–1 4.3,4.3b
IDC V 23 05 35 19.3–1.6 27.83N 111.28W 0 4.0s,3.7b
GCMT V 23 05 35 19.6–.40 27.79N–.02 111.57W–.02 16–1 4.8W,3.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s7,c7; s78,c102;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.26±.07 $M_{\theta\theta}$-1.28±.07; $M_{\phi\phi}$1.54±.08; $M_{r\theta}$0.10±.21; $M_{\theta\phi}$-0.65±.06; $M_{\phi r}$0.89±.28; Best double couple: NP1:ϕ_s32.00000°,δ87.00000°,λ26.00000°. NP2:ϕ_s300.00000°,δ64.00000°,λ176.00000°. Principal axes: T 2.0050,Plg21.0000°,Azm259.0000°; N -0.4960,Plg63.0000°,Azm39.0000°; P -1.5070,Plg16.0000°,Azm163.0000° $M_0$1.75600×10^{16}
ISC V 23 06 56 37.3–1.4 27.76N–.05 111.62W–.03 17–13 19 1-3
MEX V 23 06 56 39.3–.32 27.57N 111.57W 2–5 3.6 ¶611918724
ECX V 23 06 56 39.2–.37 27.75N 111.67W 19–11 2.8L,2.6
ISC Event type ke.
MEX Error ellipse: s-maj=4.2km s-min=3.1km az=-1.0.
ECX Error ellipse: s-maj=3.4km s-min=2.2km az=-1.0.
ISC VI 02 03 02 43.4–1.4 24.06N–.05 109.06W–.03 9–9 4.6b,4.0s 452 1-130
IDC VI 02 03 02 41.2–.64 24.00N 108.91W 0 4.2b,4.1 ¶610659597
NEIC VI 02 03 02 43.8–2.3 23.99N–.07 109.07W–.07 10–1 4.6b,4.3
MEX VI 02 03 02 47.5–.53 24.22N 109.15W 10 4.3,4.3
ISC Event type se.
IDC Error ellipse: s-maj=14.9km s-min=13.0km az=64.0.
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=9.2km az=213.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Error ellipse: s-maj=5.3km s-min=4.0km az=-1.0.
ISC VI 07 16 17 54.7–.78 24.99N–.06 109.56W–.08 17 20 1-58
IDC VI 07 16 17 51.9–1.4 24.95N 109.62W 0 3.4,3.4b ¶610791412
MEX VI 07 16 17 57.0–.55 25.13N 109.69W 16–8 4.0,3.4b
ISC Event type ke.
IDC Error ellipse: s-maj=30.6km s-min=13.0km az=125.0.
MEX Error ellipse: s-maj=14.1km s-min=19.4km az=-1.0.
ISC VI 11 05 24 58.3–1.3 27.75N–.07 111.70W–.04 9–13 20 1-68
MEX VI 11 05 25 00.4–.44 27.68N 111.64W 10 4.4 ¶610791639
IDC VI 11 05 25 05.7–1.9 28.03N 111.16W 0 3.6L,3.5
ISC Event type ke.
MEX Error ellipse: s-maj=5.0km s-min=3.6km az=-1.0.
IDC Error ellipse: s-maj=24.5km s-min=14.7km az=30.0.
ISC VI 19 15 12 31.9–1.3 30.25N–.06 114.35W–.05 9–15 17 0-3
ECX VI 19 15 12 32.4–.61 30.19N 114.24W 17–61 2.6L,2.5 ¶611918854
MEX VI 19 15 12 40.3–.75 31.21N 114.23W 10 3.9,2.5
ISC Event type ke.
ECX Error ellipse: s-maj=24.8km s-min=9.1km az=-1.0.
MEX Error ellipse: s-maj=39.6km s-min=20.5km az=-1.0.
ECX VI 22 22 29 50.2–.46 28.10N 112.18W 4–6 2.9L,2.7
¶613531596
ECX Error ellipse: s-maj=1.7km s-min=1.7km az=-1.0.

(51) Off coast of central Mexico.

ISC III 28 05 47 15.8–2.4 21.70N–.04 106.57W–.05 15–15 4.2b,3.5s 108 1-123
IDC III 28 05 47 11.9–1.1 21.47N 106.72W 0 3.7,3.7b ¶610543834
MEX III 28 05 47 13.5–.79 21.67N 106.86W 3–17 4.4,3.7b
NEIC III 28 05 47 16.8–2.6 21.70N–.06 106.51W–.07 10–1 4.4,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 26 12 47 59.0–.68 21.38N–.04 106.35W–.05 10 4.2b,3.4s 103 1-125
IDC IV 26 12 47 57.5–1.2 21.22N 106.23W 0 3.8L,3.7 ¶610650059
NEIC IV 26 12 47 59.6–1.8 21.39N–.06 106.30W–.06 10–2 4.2b,3.7
MEX IV 26 12 48 00.0–.76 21.43N 106.27W 3–14 4.3,3.7
ISC Event type se.
IDC Error ellipse: s-maj=29.4km s-min=21.4km az=72.0.
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=5.9km az=224.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Error ellipse: s-maj=4.4km s-min=8.8km az=-1.0.
IDC VI 07 00 45 59.1–7.1 22.99N 108.51W 0 4.0L,3.2
¶610791366
IDC Error ellipse: s-maj=92.1km s-min=28.9km az=155.0.

SEISMIC REGION 5.
Mexico-Guatemala Area.

(53) Revilla Gigedo Islands region.

ISC I 02 06 50 25.7–1.1 19.52N–.10 109.2W–.10 26 3.2b 10 2-60
IDC I 02 06 50 22.1–2.0 19.48N 109.19W 0 3.5,3.5L ¶610236445
ISC Event type ke.
IDC Error ellipse: s-maj=40.0km s-min=16.9km az=132.0.
ISC I 05 10 34 41.6–2.6 19.6N–.20 109.4W–.30 35 3.1b 13 2-60
IDC I 05 10 34 36.6–4.0 19.55N 109.34W 0 3.5L,3.4 ¶610236768
ISC Event type ke.
IDC Error ellipse: s-maj=79.8km s-min=13.8km az=129.0.
ISC II 08 23 31 15.5–.57 19.23N–.06 108.42W–.03 10 4.1b,3.6s 96 2-126
IDC II 08 23 31 14.2–1.5 19.15N 108.26W 0 3.8,3.7s ¶610205753
NEIC II 08 23 31 16.7–1.4 19.19N–.08 108.54W–.07 10–1 4.3,4.2b
MEX II 08 23 31 19.6–.72 19.17N 108.14W 13–321 4.3,4.2b
ISC Event type se.
IDC Error ellipse: s-maj=53.4km s-min=19.7km az=59.0.
NEIC Event type se. Error ellipse: s-maj=13.5km s-min=10.6km az=182.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Error ellipse: s-maj=68.5km s-min=289.0km az=-1.0.
ISC II 21 01 27 29.1–2.0 19.6N–.20 108.8W–.10 35 3.4b 32 4-60
IDC II 21 01 27 27.5–3.4 19.90N 108.82W 0 3.6,3.5L ¶610384721
MEX II 21 01 27 30.9–.44 19.84N 108.56W 10–999 4.1,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=62.7km s-min=37.5km az=32.0.
MEX Error ellipse: s-maj=960.3km s-min=999.9km az=-1.0.
IDC V 14 13 07 13.8–7.0 19.03N 108.92W 0 3.3,3.2b
¶610690275
IDC Error ellipse: s-maj=124.6km s-min=25.5km az=147.0.
IDC V 26 06 42 12.4–23 20.09N 109.46W 0 3.3b,3.2
¶610685410
IDC Error ellipse: s-maj=460.1km s-min=71.7km az=153.0.
IDC V 26 06 58 24.0–8.3 18.51N 108.14W 0 3.5,3.5b
¶610685412
IDC Error ellipse: s-maj=144.0km s-min=75.7km az=151.0.
ISC V 26 07 11 39.5–1.2 19.6N–.10 109.1W–.20 26 3.8b,3.1s 10 2-122
IDC V 26 07 11 35.5–1.2 19.62N 109.06W 0 3.7,3.7b ¶610685414
ISC Event type ke.
IDC Error ellipse: s-maj=47.3km s-min=23.6km az=79.0.
ISC V 26 09 20 06.4–1.8 19.6N–.20 109.1W–.30 26 4.0b,3.4s 10 2-122
IDC V 26 09 20 02.1–1.7 19.52N 108.97W 0 3.8b,3.7 ¶610685426
ISC Event type ke.
IDC Error ellipse: s-maj=66.8km s-min=29.9km az=100.0.
IDC V 26 18 26 59.0–9.2 18.38N 108.52W 0 3.5L,3.2
¶610685446
IDC Error ellipse: s-maj=160.3km s-min=78.5km az=150.0.
ISC V 27 01 51 52.3–1.7 19.5N–.20 109.2W–.20 26 4.0b,3.3s 18 2-122
IDC V 27 01 51 48.8–1.6 19.45N 109.11W 0 3.8,3.8b ¶610685465
ISC Event type ke.
IDC Error ellipse: s-maj=41.9km s-min=16.3km az=130.0.
ISC V 27 04 35 07.6–2.2 19.6N–.20 109.3W–.20 35 12 2-120
IDC V 27 04 35 02.4–2.7 19.50N 109.21W 0 3.4,3.4L ¶610685478
ISC Event type ke.
IDC Error ellipse: s-maj=63.3km s-min=16.2km az=132.0.
IDC V 27 04 43 36.3–8.8 18.64N 108.40W 0 3.4L,3.2
¶610685480
IDC Error ellipse: s-maj=153.7km s-min=74.1km az=150.0.
IDC V 27 04 58 33.3–8.9 18.53N 108.26W 0 3.1,3.0b
¶610685481
IDC Error ellipse: s-maj=155.8km s-min=76.9km az=149.0.
ISC V 27 06 51 37.9–.81 19.4N–.10 109.16W–.05 10 4.1b 18 2-86
IDC V 27 06 51 38.9–1.8 19.75N 109.09W 0 3.9,3.8b ¶610685482
MEX V 27 06 51 40.2–.46 18.86N 109.01W 10 4.6,3.8b
ISC Event type ke.
IDC Error ellipse: s-maj=51.3km s-min=21.3km az=57.0.
MEX Error ellipse: s-maj=91.7km s-min=11.2km az=-1.0.
ISC V 27 06 53 19.4–.42 19.70N–.06 109.42W–.06 10 4.6b,3.6s 372 2-125
IDC V 27 06 53 17.5–.67 19.72N 109.35W 0 4.3,4.3b ¶610654888
GCMT V 27 06 53 20.7–.30 20.07N–.02 109.21W–.02 14–0 4.9W,4.3b
NEIC V 27 06 53 20.7–2.4 19.71N–.06 109.43W–.06 10–1 4.7b,4.3b
ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s39,c44; s117,c160;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.35±.11 $M_{\theta\theta}$0.63±.07; $M_{\phi\phi}$1.72±.08; $M_{r\theta}$0.69±.18; $M_{\theta\phi}$-0.89±.05; $M_{\phi r}$0.49±.17; Best double couple: NP1:ϕ_s167.00000°,δ49.00000°,λ-67.00000°. NP2:ϕ_s315.00000°,δ46.00000°,λ-114.00000°. Principal axes: T 2.2240,Plg1.0000°,Azm241.0000°; N 0.3850,Plg17.0000°,Azm332.0000°; P -2.6090,Plg73.0000°,Azm147.0000° $M_0$2.41700×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 27 07 03 48.6–2.2 19.69N–.06 109.26W–.04 23–16 4.4b,3.7s 384 2-122
IDC V 27 07 03 45.2–.82 19.60N 109.26W 0 4.1,4.1b ¶610654890
MEX V 27 07 03 47.7–1.6 19.64N 109.19W 10 4.4,4.1b
NEIC V 27 07 03 48–2.4 19.59N–.07 109.39W–.06 10–1 4.5b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 30 06 54 04.7–3.7 19.51N–.06 109.13W–.03 19–23 4.5b,4.1s 414 2-125
IDC V 30 06 54 02.1–.59 19.57N 109.28W 0 4.2,4.2b ¶610655781
NEIC V 30 06 54 03.1–2.8 19.44N–.07 109.20W–.06 10–1 4.6,4.5b
MEX V 30 06 54 04.0–.70 19.19N 109.02W 10 4.6,4.5b
GCMT V 30 06 54 06.1–.20 19.78N–.01 109.07W–.01 22–1 5.0W,4.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s42,c46; s109,c168;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.68±.13 $M_{\theta\theta}$-3.28±.10; $M_{\phi\phi}$3.95±.12; $M_{r\theta}$-0.30±.16; $M_{\theta\phi}$-1.38±.09; $M_{\phi r}$0.53±.15; Best double couple: NP1:ϕ_s305.00000°,δ88.00000°,λ172.00000°. NP2:ϕ_s35.00000°,δ82.00000°,λ2.00000°. Principal axes: T 4.2710,Plg7.0000°,Azm259.0000°; N -0.7290,Plg82.0000°,Azm111.0000°; P -3.5490,Plg4.0000°,Azm350.0000° $M_0$3.91000×10^{16}
ISC VI 25 02 28 25.9–.49 19.36N–.06 108.32W–.03 22 4.3b,3.7s 499 3-126
IDC VI 25 02 28 22.1–1.0 19.31N 108.44W 0 4.0,4.0b ¶610694633
GCMT VI 25 02 28 22.9–.50 19.35N–.02 108.51W–.03 28–1 4.9W,4.0b
NEIC VI 25 02 28 23.9–2.3 19.28N–.08 108.56W–.06 10–1 4.3,4.3b
MEX VI 25 02 28 27.6–.48 19.42N 108.14W 10 4.3,4.3b
ISC Event type se.
IDC Error ellipse: s-maj=41.8km s-min=15.5km az=62.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s23,c23; s68,c96;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.36±.16 $M_{\theta\theta}$-2.04±.12; $M_{\phi\phi}$2.40±.12; $M_{r\theta}$-0.13±.20; $M_{\theta\phi}$-1.51±.11; $M_{\phi r}$0.33±.20; Best double couple: NP1:ϕ_s298.00000°,δ86.00000°,λ175.00000°. NP2:ϕ_s28.00000°,δ85.00000°,λ4.00000°. Principal axes: T 2.9030,Plg6.0000°,Azm253.0000°; N -0.3930,Plg84.0000°,Azm81.0000°; P -2.5050,Plg1.0000°,Azm343.0000° $M_0$2.70400×10^{16}
NEIC Event type se. Error ellipse: s-maj=13.7km s-min=9.6km az=199.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Error ellipse: s-maj=51.7km s-min=5.2km az=-1.0.

(54) Off coast of Jalisco.

ISC III 29 14 33 39.6–1.0 18.54N–.07 106.06W–.07 10 3.9s,3.9b 85 1-95
IDC III 29 14 33 35.8–2.1 18.31N 106.54W 0 4.0s,3.5 ¶610518417
MEX III 29 14 33 38.9–.66 18.58N 106.26W 15 4.4,3.5
NEIC III 29 14 33 39.2–2.6 18.37N–.10 106.08W–.07 10–2 4.4,4.3b
GCMT III 29 14 33 41.2–.60 18.67N–.02 106.28W–.03 21–1 4.8W,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s13,c13; s92,c113;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-0.42±.12 $M_{\theta\theta}$-0.91±.10; $M_{\phi\phi}$1.33±.12; $M_{r\theta}$0.41±.19; $M_{\theta\phi}$-1.78±.09; $M_{\phi r}$0.86±.19; Best double couple: NP1:ϕ_s194.00000°,δ82.00000°,λ-26.00000°. NP2:ϕ_s288.00000°,δ65.00000°,λ-171.00000°. Principal axes: T 2.4260,Plg11.0000° ,Azm243.0000°; N -0.1890,Plg63.0000°,Azm357.0000°; P -2.2360,Plg24.0000° ,Azm148.0000° $M_0$2.33100$\times10^{16}$
ISC III 29 22 54 13.8–.64 18.45N–.06 106.08W–.06 10 4.6b,4.0s 393 1-98
IDC III 29 22 54 10.5–1.6 18.18N 106.21W 0 4.0s,3.9 ¶610452486
MEX III 29 22 54 14.7–.40 18.48N 106.01W 5 4.3,3.9
NEIC III 29 22 54 14.1–1.6 18.39N–.08 106.13W–.08 10–1 4.6b,4.3
GCMT III 29 22 54 16.1–.60 18.51N–.02 106.16W–.03 20–1 4.8W,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s12,c12; s81,c99;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-0.57±.14 $M_{\theta\theta}$-1.57±.10; $M_{\phi\phi}$2.14±.12; $M_{r\theta}$0.28±.23; $M_{\theta\phi}$-1.11±.10; $M_{\phi r}$0.87±.22; Best double couple: NP1:ϕ_s208.00000°,δ86.00000°,λ-24.00000°. NP2:ϕ_s300.00000°,δ66.00000°,λ-175.00000°. Principal axes: T 2.6300,Plg14.0000° ,Azm256.0000°; N -0.5720,Plg65.0000°,Azm18.0000°; P -2.0600,Plg20.0000° ,Azm161.0000° $M_0$2.34500$\times10^{16}$
ISC III 30 03 41 27.0–1.4 18.8N–.10 107.00W–.08 36 3.4b,3.3s 35 2-58
IDC III 30 03 41 15.7–6.0 18.09N 106.87W 0 3.6,3.6L ¶610543968
MEX III 30 03 41 26.2–.49 18.78N 106.97W 5 4.1,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=96.1km s-min=70.8km az=149.0.
MEX Error ellipse: s-maj=12.8km s-min=7.5km az=-1.0.
ISC V 18 03 20 52.7–3.0 17.78N–.07 105.04W–.08 28–20 4.4b,3.4s 219 2-93
IDC V 18 03 20 46.3–1.6 17.47N 105.37W 0 3.9,3.9b ¶610690540
MEX V 18 03 20 49.5–.54 17.63N 105.24W 17–47 4.4,3.9b
NEIC V 18 03 20 52.4–2.0 17.82N–.09 105.0W–.10 10–2 4.4,4.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 18 16 08 33.3–3.2 17.75N–.08 105.08W–.07 23–21 4.2b,3.7s 134 2-100
MEX V 18 16 08 30.1–1.1 17.54N 105.46W 10–100 3.9,3.7s ¶616639950
NEIC V 18 16 08 32.5–1.9 17.8N–.10 105.0W–.10 12–6 4.2b,3.9
IDC V 18 16 08 34.4–4.1 17.80N 105.16W 0 3.7s,3.7
ISC Event type se.
MEX Error ellipse: s-maj=65.3km s-min=56.3km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=18.5km s-min=12.9km az=46.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=85.3km s-min=41.8km az=30.0.
ISC V 18 19 19 37.2–.75 17.74N–.08 105.02W–.09 38–3 4.4b,3.8s 263 2-125
IDC V 18 19 19 30.6–1.3 17.47N 105.31W 0 4.0,4.0b ¶610690614
MEX V 18 19 19 31.7–.89 17.41N 105.23W 15–746 4.3,4.0b
NEIC V 18 19 19 35.0–2.2 17.71N–.07 104.99W–.07 10–2 4.4b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 20 06 02 13.0–.28 17.36N–.03 105.31W–.03 10 5.5b,5.1s 1549 2-147
IDC V 20 06 02 10.9–.60 17.38N 105.49W 0 5.1s,4.8 ¶610645717
BJI V 20 06 02 11.6–.00 17.35N 105.78W 9 5.6b,5.6b
MOS V 20 06 02 11.7–1.1 17.47N 105.36W 10 5.6b,5.2s
MEX V 20 06 02 13.0–.76 17.49N 105.46W 10 5.6,5.2s
NEIC V 20 06 02 14 17.46N 105.39W 10 5.6,5.2s
NEIC V 20 06 02 14.3–1.6 17.49N–.07 105.32W–.07 10–1 5.7,5.6
NEIC V 20 06 02 14 17.06N 105.60W 22 5.7,5.6
NEIC V 20 06 02 14 17.46N 105.39W 22 5.7,5.6
GCMT V 20 06 02 15.3–.10 17.64N–.01 105.41W–.01 18–0 5.6W,5.6
ISC Event type se.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.49 $M_{\theta\theta}$-1.60 $M_{\phi\phi}$2.10 $M_{r\theta}$0.04 $M_{\theta\phi}$-1.24 $M_{\phi r}$-0.91 NP1:ϕ_s116.89000°,δ72.29000°,λ175.73000°. NP2:ϕ_s208.19000° ,δ85.94000°,λ17.76000°. Principal axes: T 2.7142,Plg15.0000°,Azm74.0000° ; N -0.6990,Plg72.0000°,Azm221.0000°; P -2.0152,Plg9.0000°,Azm341.0000° $M_0$2.44000$\times10^{17}$
NEIC Event type se. Moment Tensor Solution.Duration: 3s8 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.48 $M_{\theta\theta}$-2.60 $M_{\phi\phi}$3.08 $M_{r\theta}$-1.46 $M_{\theta\phi}$-2.11 $M_{\phi r}$0.59 NP1:ϕ_s118.13000°,δ84.87000° ,λ-155.34000°. NP2:ϕ_s25.78000°,δ65.44000°,λ-5.64000°. Principal axes: T 4.0179,Plg13.0000°,Azm249.0000°; N -0.2645,Plg65.0000°,Azm129.0000° ; P -3.7534,Plg21.0000°,Azm345.0000° $M_0$3.89000$\times10^{17}$
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s130,c219; s147,c293;Duration: 1s6
Moment tensor: Scale 10^{17}Nm; M_{rr}-0.36±.03 $M_{\theta\theta}$-2.39±.03; $M_{\phi\phi}$2.76±.04; $M_{r\theta}$-0.06±.07; $M_{\theta\phi}$-2.06±.03; $M_{\phi r}$0.40±.07; Best double couple: NP1:ϕ_s26.00000°,δ87.00000°,λ5.00000°. NP2:ϕ_s296.00000°,δ85.00000°,λ177.00000°. Principal axes: T 3.5240,Plg6.0000° ,Azm251.0000°; N -0.4000,Plg84.0000°,Azm55.0000°; P -3.1150,Plg2.0000°,Azm161.0000° $M_0$3.31900$\times10^{17}$
ISC V 20 16 58 39.4–.53 17.34N–.05 105.30W–.06 10 4.7b,4.0s 392 2-137
GCMT V 20 16 58 31.5–.60 17.11N–.03 105.41W–.02 16–1 4.9W,4.0s ¶610645992
IDC V 20 16 58 38.9–1.1 17.34N 105.32W 0 4.3,4.2b
NEIC V 20 16 58 38.5–2.3 17.16N–.10 105.34W–.09 10–1 4.7,4.7b
MEX V 20 16 58 42.1–.76 17.55N 105.45W 16–119 4.7,4.7b
ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s21,c23; s85,c109;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-0.33±.10 $M_{\theta\theta}$-1.24±.09; $M_{\phi\phi}$1.57±.10; $M_{r\theta}$2.18±.41; $M_{\theta\phi}$-1.84±.09; $M_{\phi r}$-0.47±.25; Best double couple: NP1:ϕ_s290.00000°,δ85.00000° ,λ-136.00000°. NP2:ϕ_s196.00000°,δ46.00000°,λ-7.00000°. Principal axes: T 3.1460,Plg25.0000°,Azm55.0000°; N 0.1560,Plg46.0000°,Azm295.0000° ; P -3.3030,Plg33.0000°,Azm163.0000° $M_0$3.22500$\times10^{16}$
IDC Error ellipse: s-maj=26.9km s-min=21.9km az=54.0.
NEIC Event type se. Error ellipse: s-maj=17.9km s-min=12.8km az=210.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Error ellipse: s-maj=88.4km s-min=50.7km az=-1.0.
ISC VI 11 09 55 37.5–3.2 18.36N–.05 105.30W–.06 3–20 4.5b,3.6s 246 1-128
NEIC VI 11 09 55 39.8–2.5 18.31N–.07 105.28W–.07 10–2 4.5b,4.2 ¶610669624
MEX VI 11 09 55 39.2–1.1 18.37N 105.51W 16–999 4.2,4.2
IDC VI 11 09 55 43.3–3.6 18.70N 104.87W 0 3.8,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.0km s-min=9.2km az=220.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Error ellipse: s-maj=18.2km s-min=9.4km az=-1.0.
IDC Error ellipse: s-maj=69.0km s-min=26.6km az=27.0.
ISC VI 16 22 45 59.8–1.3 18.8N–.10 107.42W–.09 16 3.7b,3.4s 35 2-75
IDC VI 16 22 45 57.4–2.1 18.75N 107.57W 0 3.6,3.6L ¶610792031
MEX VI 16 22 46 00.4–.60 18.96N 107.45W 9–58 4.2,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=57.7km s-min=24.8km az=53.0.
MEX Error ellipse: s-maj=80.0km s-min=15.6km az=-1.0.

(55) Near coast of Jalisco.

ISC IV 29 12 41 18.0–.99 19.31N–.03 104.16W–.02 8–7 4.3b 195 0-126
IDC IV 29 12 41 16.1–1.5 19.11N 104.31W 0 4.0,3.7L ¶610589280
MEX IV 29 12 41 19.0–.64 19.30N 104.12W 11–3 4.3,3.7L
NEIC IV 29 12 41 19.9–2.6 19.30N–.03 104.14W–.04 10–2 4.3,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(56) Near coast of Michoacan.

ISC I 10 08 41 10.7–.79 18.25N–.05 103.13W–.04 55–7 4.3b 114 0-127
NEIC I 10 08 41 11.7–3.8 18.30N–.08 103.12W–.07 53–7 4.4,4.4b ¶610237066
MEX I 10 08 41 13.2–.69 18.22N 103.10W 44–7 4.3,4.4b
IDC I 10 08 41 14.2–1.4 20.02N 102.14W 0 4.1L,4.0
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.9km s-min=7.5km az=216.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Error ellipse: s-maj=8.2km s-min=4.8km az=-1.0.
IDC Error ellipse: s-maj=43.3km s-min=23.3km az=37.0.
ISC VI 02 06 48 31.3–1.2 17.70N–.03 102.22W–.02 3–8 4.1b,3.7s 246 0-130
NEIC VI 02 06 48 33.8–2.6 17.61N–.07 102.21W–.05 19–8 4.3,4.2b ¶610659607
MEX VI 02 06 48 34.7–.89 17.58N 102.26W 10 4.3,4.2b
IDC VI 02 06 48 45.2–2.9 18.29N 101.55W 83–22 3.8,3.6s
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.0km s-min=6.4km az=207.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Error ellipse: s-maj=7.8km s-min=3.6km az=-1.0.
IDC Error ellipse: s-maj=46.6km s-min=15.2km az=27.0.

(57) Michoacan.

ISC II 11 03 29 37.5–.77 18.41N–.03 102.60W–.03 61–8 4.3b 179 1-127
NEIC II 11 03 29 37.5–2.3 18.40N–.04 102.59W–.04 62–10 4.3,4.3b ¶610208123
MEX II 11 03 29 40.0–.89 18.41N 102.59W 56–13 4.3,4.3b
IDC II 11 03 29 43.8–3.5 18.71N 102.28W 102–27 3.9,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=7.1km s-min=3.5km az=213.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Error ellipse: s-maj=4.2km s-min=2.9km az=-1.0.
IDC Error ellipse: s-maj=36.7km s-min=17.8km az=47.0.

(58) Near coast of Guerrero.

ISC I 01 10 04 17.5–.53 16.23N–.04 99.08W–.02 10 4.2b,3.5s 336 1-133
NEIC I 01 10 04 17.6–2.6 16.27N–.04 99.04W–.02 10–1 4.4,4.2b ¶609947736
MEX I 01 10 04 19.9–.75 16.20N 99.12W 16–8 4.4,4.2b
IDC I 01 10 04 21.3–2.2 16.83N 98.77W 0 4.1b,3.9
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=6.6km s-min=3.2km az=170.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Error ellipse: s-maj=5.9km s-min=2.5km az=-1.0.
IDC Error ellipse: s-maj=44.0km s-min=16.9km az=13.0.
ISC I 01 18 14 52.4–1.2 16.53N–.03 98.40W–.02 10–8 3.5b 113 0-91
IDC I 01 18 14 54.9–9.9 16.30N 98.33W 33–57 3.4s,3.3 ¶610236405
MEX I 01 18 14 56.7–.63 16.51N 98.45W 15–6 4.2,3.3
ISC Event type ke.
IDC Error ellipse: s-maj=92.5km s-min=24.5km az=28.0.
MEX Error ellipse: s-maj=4.6km s-min=2.4km az=-1.0.
ISC I 05 08 54 06.5–1.6 16.10N–.05 99.19W–.03 1–10 3.5b 107 1-58
MEX I 05 08 54 10.5–.62 16.10N 99.23W 20–101 4.2 ¶610236765
IDC I 05 08 54 11.3–5.3 16.62N 98.88W 0 3.6b,3.5
ISC Event type ke.
MEX Error ellipse: s-maj=6.5km s-min=4.3km az=-1.0.
IDC Error ellipse: s-maj=105.8km s-min=28.2km az=16.0.
ISC I 12 10 26 57.3–.72 16.64N–.03 98.50W–.02 24–5 5.0b,4.1s 677 0-141
IDC I 12 10 26 53.9–.63 16.70N 98.44W 0 4.5,4.5b ¶610060329
NEIC I 12 10 26 55.8–2.3 16.59N–.04 98.48W–.04 21–10 5.0b,5.0
MOS I 12 10 26 57.7–1.4 16.79N 98.26W 33 5.1b,5.0
MEX I 12 10 26 58.1–.84 16.60N 98.54W 39–12 5.0,5.0
GCMT I 12 10 27 01.4–.30 16.87N–.01 98.35W–.02 38–1 5.0W,5.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s41,c58; s92,c125;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}0.78±.21 $M_{\theta\theta}$-4.42±.13; $M_{\phi\phi}$3.64±.17; $M_{r\theta}$0.09±.14; $M_{\theta\phi}$-1.40±.15; $M_{\phi r}$1.41±.15; Best double couple: NP1:ϕ_s37.00000°,δ78.00000°,λ18.00000°. NP2:ϕ_s304.00000°,δ73.00000°,λ167.00000°. Principal axes: T 4.4010,Plg21.0000° ,Azm261.0000°; N 0.2790,Plg69.0000°,Azm71.0000°; P -4.6760,Plg4.0000°,Azm170.0000° $M_0$4.53900$\times10^{16}$
ISC II 02 00 52 06.8–1.1 17.31N–.03 101.10W–.02 8–7 4.8b,4.4s 574 0-145
IDC II 02 00 52 05.5–.70 17.26N 100.89W 0 4.4b,4.3 ¶610172169
NEIC II 02 00 52 08.4–1.9 17.41N–.09 101.04W–.08 10–1 5.1,4.8b
MEX II 02 00 52 09.9–1.8 17.27N 101.14W 8 5.1W,4.8b
GCMT II 02 00 52 14.4–.50 17.39N–.03 101.02W–.04 23–1 5.0W,4.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s24,c29; s63,c89;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}3.51±.30 $M_{\theta\theta}$-2.84±.18; $M_{\phi\phi}$-0.67±.17; $M_{r\theta}$1.68±.21; $M_{\theta\phi}$1.03±.11; $M_{\phi r}$-1.61±.26; Best double couple: NP1:ϕ_s123.00000°,δ62.00000°,λ100.00000°. NP2:ϕ_s282.00000°,δ29.00000°,λ72.00000°. Principal axes: T 4.2940,Plg71.0000° ,Azm56.0000°; N -0.4000,Plg9.0000°,Azm299.0000°; P -3.8980,Plg17.0000°,Azm206.0000° $M_0$4.09600$\times10^{16}$
ISC II 02 20 38 35.0–1.5 17.22N–.03 101.58W–.03 13–10 4.4b,3.6s 610 0-139
MEX II 02 20 38 37.0–.91 17.30N 101.68W 6–8 4.5,3.6s ¶610414697
NEIC II 02 20 38 39.7–2.2 17.47N–.04 101.44W–.03 27–6 4.6,4.3b
IDC II 02 20 38 42.5–5.5 17.88N 101.11W 33–39 4.1,4.1b
ISC Event type se.
MEX Error ellipse: s-maj=5.0km s-min=3.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=5.5km s-min=4.5km az=176.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=38.4km s-min=15.7km az=42.0.
ISC II 09 10 05 04.6–1.2 16.38N–.03 98.47W–.02 15–8 3.6b 224 0-58
IDC II 09 10 04 59.7–8.1 16.32N 96.56W 0 3.6s,3.5 ¶610415168
NEIC II 09 10 05 04.4–2.4 16.42N–.03 98.50W–.03 10–2 4.4,4.2b
MEX II 09 10 05 06.0–.99 16.41N 98.51W 7–7 4.3,4.2b
ISC Event type se.
IDC Error ellipse: s-maj=259.8km s-min=121.5km az=54.0.
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=3.0km az=216.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Error ellipse: s-maj=7.9km s-min=5.9km az=-1.0.
ISC II 20 18 19 06.0–1.4 16.17N–.05 98.61W–.03 28–10 4.2b,3.2s 189 1-58
IDC II 20 18 19 02.8–3.3 16.26N 98.67W 0 3.8b,3.7 ¶610237798
MEX II 20 18 19 03.4–.64 15.99N 98.80W 6–12 4.6,3.7
NEIC II 20 18 19 06.9–2.1 16.22N–.04 98.62W–.05 24–9 4.6,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 21 04 47 56.6–1.7 16.19N–.05 98.74W–.03 8–10 3.6b 79 1-58
IDC II 21 04 47 58.0–7.4 16.33N 97.94W 0 3.5b,3.3 ¶610384725
MEX II 21 04 47 59.3–.59 15.95N 98.87W 16–10 4.1,3.3
ISC Event type ke.
IDC Error ellipse: s-maj=282.6km s-min=124.1km az=66.0.
MEX Error ellipse: s-maj=7.1km s-min=4.3km az=-1.0.
ISC II 21 10 40 26.2–.39 16.07N–.03 98.77W–.02 10 4.7b,3.5s 499 1-142
IDC II 21 10 40 25.8–.81 16.01N 98.81W 0 4.2,4.2b ¶610239068
NEIC II 21 10 40 27.1–2.3 16.15N–.03 98.73W–.04 10–1 4.8,4.7b
MEX II 21 10 40 28.0–.60 15.97N 98.88W 18–999 4.8,4.7b
ISC Event type se.
IDC Error ellipse: s-maj=27.3km s-min=12.9km az=55.0.
NEIC Event type se. Error ellipse: s-maj=5.8km s-min=4.8km az=258.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Error ellipse: s-maj=4.9km s-min=2.7km az=-1.0.
ISC II 21 11 56 25.3–.34 16.26N–.03 98.76W–.02 10 4.8b,3.9s 608 1-152
MEX II 21 11 56 23.9–.69 15.97N 98.87W 15–10 4.8,3.9s ¶610384747
IDC II 21 11 56 26.4–.74 16.62N 98.47W 0 4.4,4.4b

NEIC II 21 11 56 27.5–2.2 16.50N–.03 98.73W–.03 10–1 4.9b,4.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 21 12 01 22.2–.51 16.13N–.04 98.77W–.03 10 4.4b 210 1-141
NEIC II 21 12 01 23.5–2.3 16.16N–.03 98.70W–.05 10–1 4.5b,4.1 **¶610384749**
MEX II 21 12 01 24.3–1.0 16.05N 98.86W 18–17 4.3,4.1
IDC II 21 12 01 25.3–.95 16.58N 98.42W 0 4.0,3.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=8.0km s-min=5.4km az=262.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Error ellipse: s-maj=9.1km s-min=6.7km az=-1.0.
IDC Error ellipse: s-maj=27.0km s-min=14.5km az=43.0.
ISC III 11 17 36 59.3–1.0 17.88N–.03 101.12W–.02 59–9 4.6s 109 0-91
IDC III 11 17 36 27.2–13 15.23N 99.86W 0 4.6s,3.9b **¶610546026**
MEX III 11 17 37 00.2–.42 17.89N 101.13W 64–5 4.2,3.9b
ISC Event type ke.
IDC Error ellipse: s-maj=244.3km s-min=141.6km az=116.0.
MEX Error ellipse: s-maj=2.8km s-min=1.8km az=-1.0.
ISC III 12 04 03 18.2–.98 16.08N–.03 98.59W–.02 6–6 4.6b,3.8s 747 1-133
IDC III 12 04 03 18.9–.92 16.39N 98.42W 0 4.0,4.0b **¶610325567**
MEX III 12 04 03 19.7–.88 16.03N 98.64W 16–15 4.8,4.0b
NEIC III 12 04 03 21.3–2.1 16.16N–.04 98.47W–.04 23–6 4.8,4.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 20 03 41 31.4–1.1 16.56N–.03 99.02W–.02 10–8 4.1b,3.4s 295 1-133
IDC III 20 03 41 31.3–3.2 16.60N 98.99W 0 3.9b,3.8 **¶610346342**
NEIC III 20 03 41 34.8–1.9 16.59N–.04 98.91W–.04 24–6 4.6,4.1b
MEX III 20 03 41 35.5–.77 16.56N 99.06W 16–6 4.6,4.1b
ISC Event type se.
IDC Error ellipse: s-maj=64.9km s-min=17.2km az=15.0.
NEIC Event type se. Error ellipse: s-maj=6.6km s-min=5.0km az=211.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Error ellipse: s-maj=4.5km s-min=2.1km az=-1.0.
ISC III 25 12 18 51.4–.85 16.49N–.03 98.24W–.02 26–6 3.5b 155 0-96
IDC III 25 12 18 49.1–1.3 16.51N 98.22W 0 3.7b,3.5 **¶610543639**
MEX III 25 12 18 52.6–.34 16.45N 98.26W 31–3 4.5,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=27.8km s-min=15.2km az=22.0.
MEX Error ellipse: s-maj=2.4km s-min=2.0km az=-1.0.
ISC III 30 17 22 45.6–1.8 16.04N–.06 98.43W–.04 3–11 4.2b,3.4s 70 0-59
NEIC III 30 17 22 46.6–2.7 16.01N–.03 98.41W–.04 10–2 4.4,4.2b **¶610544004**
MEX III 30 17 22 48.8–.90 15.93N 98.42W 20–38 4.4,4.2b
IDC III 30 17 22 52.1–3.8 17.00N 97.62W 0 3.9L,3.8
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=6.4km s-min=4.3km az=115.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Error ellipse: s-maj=6.5km s-min=4.1km az=-1.0.
IDC Error ellipse: s-maj=100.0km s-min=36.3km az=38.0.
MEX IV 01 22 57 42.9–.54 16.39N 100.26W 6–61 4.0 ¶615178665
MEX Error ellipse: s-maj=50.3km s-min=16.0km az=-1.0.
ISC IV 02 23 09 30.5–.86 17.72N–.02 101.25W–.02 18–4 3.5b 141 0-55
IDC IV 02 23 09 29.6–4.2 17.36N 102.32W 0 3.5b,3.4 **¶610651780**
MEX IV 02 23 09 32.0–.80 17.54N 101.40W 37–4 4.4,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=119.3km s-min=53.4km az=92.0.
MEX Error ellipse: s-maj=5.3km s-min=3.6km az=-1.0.
ISC IV 09 09 23 48.6–.86 16.72N–.03 99.74W–.02 15–5 4.4b,3.4s 655 0-132
NEIC IV 09 09 23 49.3–2.3 16.84N–.04 99.69W–.04 11–6 4.7,4.4b **¶610523774**
MEX IV 09 09 23 50.7–1.1 16.77N 99.74W 9–4 4.7,4.4b
IDC IV 09 09 23 51.6–5.8 16.89N 99.52W 33–42 4.0,4.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=6.7km s-min=4.6km az=205.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Error ellipse: s-maj=5.7km s-min=3.3km az=-1.0.
IDC Error ellipse: s-maj=33.1km s-min=14.2km az=41.0.
ISC IV 20 21 13 30.2–1.5 17.20N–.04 101.97W–.03 1–9 4.5b,4.0s 711 1-131
IDC IV 20 21 13 31.5–1.1 17.39N 101.76W 0 4.1,4.1b **¶610546558**
NEIC IV 20 21 13 33.1–1.7 17.26N–.05 101.86W–.05 10–1 4.6,4.5b
MEX IV 20 21 13 34.1–.68 17.28N 101.96W 16–5 4.6,4.5b
ISC Event type se.
IDC Error ellipse: s-maj=40.7km s-min=19.2km az=61.0.
NEIC Event type se. Error ellipse: s-maj=7.8km s-min=7.3km az=163.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Error ellipse: s-maj=4.8km s-min=3.6km az=-1.0.
ISC IV 24 07 02 50.9–1.7 16.65N–.05 100.50W–.04 5–10 3.6b 96 0-47
MEX IV 24 07 02 55.1–.52 16.64N 100.48W 11–7 4.2 **¶610649865**
IDC IV 24 07 03 02.4–4.8 18.15N 99.52W 0 3.5b,3.3
ISC Event type ke.
MEX Error ellipse: s-maj=5.8km s-min=3.3km az=-1.0.
IDC Error ellipse: s-maj=112.1km s-min=19.0km az=28.0.
ISC V 03 05 36 06.3–.97 16.55N–.02 98.46W–.02 23–8 4.3b 271 0-59
NEIC V 03 05 36 06.3–2.9 16.56N–.04 98.50W–.03 22–4 4.4b **¶610689442**
MEX V 03 05 36 07.2–1.0 16.57N 98.46W 9–10 4.5
IDC V 03 05 36 08.4–5.7 16.61N 98.33W 35–40 3.9,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=5.3km s-min=3.8km az=204.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Error ellipse: s-maj=8.0km s-min=4.2km az=-1.0.
IDC Error ellipse: s-maj=50.9km s-min=17.5km az=39.0.
ISC V 12 13 14 08.6–.46 16.58N–.03 99.00W–.02 10 4.7b,4.2s 455 1-141
NEIC V 12 13 14 10.0–2.5 16.64N–.05 98.92W–.03 8–6 5.0,4.7b **¶610690133**
MEX V 12 13 14 11.3–1.0 16.50N 99.06W 16–66 5.0,4.7b
IDC V 12 13 14 12.5–1.2 17.38N 98.60W 0 4.3,4.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=6.8km s-min=4.7km az=191.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Error ellipse: s-maj=6.4km s-min=3.7km az=-1.0.
IDC Error ellipse: s-maj=33.4km s-min=15.4km az=44.0.
ISC V 24 20 25 27.2–.42 17.87N–.03 101.66W–.03 35–1 4.7b,3.9s 793 0-139
NEIC V 24 20 25 28.0–2.6 17.88N–.05 101.69W–.04 37–7 5.1,4.6b **¶610653313**
IDC V 24 20 25 28.1–.57 18.08N 101.28W 36–3 4.3,4.2b
MEX V 24 20 25 29.2–.73 17.85N 101.69W 40–4 5.1,4.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=7.3km s-min=5.3km az=208.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=20.8km s-min=11.1km az=63.0.
MEX Error ellipse: s-maj=3.2km s-min=2.9km az=-1.0.
MEX VI 30 14 47 57.5–.54 16.51N 99.13W 13–4 3.3 ¶617486465
MEX Error ellipse: s-maj=7.1km s-min=4.3km az=-1.0.

(59) Guerrero.

ISC I 29 03 08 57.2–.84 18.26N–.03 101.42W–.03 64–9 3.4b 85 0-55
MEX I 29 03 08 58.0–.59 18.28N 101.41W 69–7 4.2 **¶610235610**
IDC I 29 03 09 03.3–5.9 18.59N 100.98W 110–46 3.4,3.1b
ISC Event type ke.
MEX Error ellipse: s-maj=2.9km s-min=2.7km az=-1.0.
IDC Error ellipse: s-maj=95.7km s-min=27.1km az=37.0.
ISC II 13 07 29 29.0–.92 17.07N–.02 99.71W–.02 30–7 4.8b,4.3s 784 1-132
NEIC II 13 07 29 28.7–2.3 17.10N–.03 99.66W–.02 20–5 5.0,4.9b **¶610208601**
IDC II 13 07 29 30.4–5.1 17.22N 99.40W 33–38 4.5,4.3s
MEX II 13 07 29 30.5–.71 17.00N 99.73W 8–5 5.0,5.0W
GCMT II 13 07 29 32.7–.50 17.24N–.02 99.53W–.03 36–1 5.0W,5.0W
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s15,c18; s89,c106;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.60±.23 $M_{\theta\theta}$-1.74±.14; $M_{\phi\phi}$0.14±.16; $M_{r\theta}$-2.57±.17; $M_{\theta\phi}$-0.69±.10; $M_{\phi r}$1.42±.15; Best double couple: NP1:ϕ_s288.00000°,δ77.00000°,λ111.00000°. NP2:ϕ_s49.00000°,δ24.00000°,λ34.00000°. Principal axes: T 3.6940,Plg54.0000° ,Azm223.0000°; N -0.5570,Plg20.0000°,Azm103.0000°; P -3.1370,Plg29.0000°,Azm2.0000° $M_0$3.41600×10^{16}
ISC III 07 05 13 19.8–.76 18.15N–.03 101.40W–.02 71–7 3.1b 92 0-45
IDC III 07 05 13 13.7–5.0 18.50N 101.58W 0 3.3,3.3b **¶610545702**
MEX III 07 05 13 21.4–.82 18.28N 101.35W 61–11 4.3,3.3b
ISC Event type ke.
IDC Error ellipse: s-maj=120.1km s-min=33.6km az=35.0.
MEX Error ellipse: s-maj=6.7km s-min=6.0km az=-1.0.
ISC III 20 13 01 44.7–.46 17.95N–.02 100.35W–.02 56–3 4.3b,3.5s 527 0-131
NEIC III 20 13 01 45.2–2.2 17.89N–.03 100.35W–.04 58–7 4.7,4.3b **¶610385316**
MEX III 20 13 01 46.6–.71 17.93N 100.37W 52–5 4.7,4.3b
IDC III 20 13 01 49.3–1.2 18.17N 100.04W 88–6 4.1,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=5.3km s-min=4.6km az=126.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Error ellipse: s-maj=1.6km s-min=2.4km az=-1.0.
IDC Error ellipse: s-maj=26.8km s-min=12.8km az=27.0.
MEX IV 07 06 47 41.8–.57 17.18N 99.94W 6–6 3.8 ¶615178851
MEX Error ellipse: s-maj=3.3km s-min=2.2km az=-1.0.
ISC IV 08 01 18 01.6–1.0 17.47N–.02 100.85W–.02 28–9 4.0b,3.8s 240 0-99
NEIC IV 08 01 18 02.0–2.2 17.46N–.04 100.83W–.02 26–7 4.4,4.1b **¶610652194**
IDC IV 08 01 18 03.2–3.6 18.22N 100.55W 0 3.7s,3.7
MEX IV 08 01 18 04.4–.56 17.44N 100.86W 32–4 4.4,3.7
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=5.5km s-min=2.2km az=183.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=75.7km s-min=28.6km az=21.0.
MEX Error ellipse: s-maj=3.1km s-min=1.9km az=-1.0.
ISC IV 16 03 48 49.0–.66 18.49N–.03 101.75W–.03 71–7 3.8b 245 1-128
NEIC IV 16 03 48 49.5–2.6 18.55N–.05 101.73W–.05 74–14 4.4,4.0b **¶610652847**
MEX IV 16 03 48 50.9–.61 18.54N 101.71W 62–8 4.4,4.0b
IDC IV 16 03 48 54.3–4.1 18.81N 101.44W 111–34 3.7,3.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=7.5km s-min=6.1km az=212.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Error ellipse: s-maj=1.9km s-min=3.6km az=-1.0.
IDC Error ellipse: s-maj=54.9km s-min=16.2km az=52.0.
ISC VI 22 03 55 11.7–.53 17.82N–.03 99.92W–.02 57–4 4.7b,3.4s 416 0-139
NEIC VI 22 03 55 11.8–2.0 17.80N–.03 99.94W–.04 56–6 4.8,4.7b **¶610760981**
IDC VI 22 03 55 12.4–.89 17.94N 99.71W 54–6 4.2,4.0b
MEX VI 22 03 55 13.4–.79 17.83N 99.92W 60–5 4.8,4.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=5.2km s-min=4.0km az=94.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=25.6km s-min=15.3km az=62.0.
MEX Error ellipse: s-maj=2.0km s-min=2.4km az=-1.0.
MEX VI 26 14 58 24.6–.61 17.22N 100.50W 46–12 3.7 ¶615145013
MEX Error ellipse: s-maj=7.4km s-min=7.3km az=-1.0.
MEX VI 30 14 47 34.0–.45 18.52N 100.78W 60–7 3.7 ¶615145155
MEX Error ellipse: s-maj=10.3km s-min=5.5km az=-1.0.

(60) Oaxaca.

ISC I 08 12 16 02.2–.70 16.45N–.03 96.31W–.03 48–7 4.5b,3.4s 383 1-142
NEIC I 08 12 16 02.4–2.2 16.50N–.03 96.28W–.02 43–8 4.6,4.5b **¶610049845**
MEX I 08 12 16 03.5–.86 16.47N 96.33W 54–11 4.6,4.5b
IDC I 08 12 16 06.6–3.7 16.65N 96.06W 80–33 4.2,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=5.1km s-min=2.3km az=195.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Error ellipse: s-maj=2.8km s-min=4.6km az=-1.0.
IDC Error ellipse: s-maj=25.0km s-min=13.0km az=58.0.
MEX I 16 12 10 49.4–.41 16.31N 97.96W 2–5 3.3 ¶615175672
MEX Error ellipse: s-maj=7.2km s-min=2.7km az=-1.0.
ISC II 02 07 17 23.7–.90 16.49N–.03 94.54W–.02 109–7 125 0-24
NEIC II 02 07 17 24.0–2.8 16.35N–.07 94.54W–.04 110–15 4.2,4.0b **¶611148934**
MEX II 02 07 17 25.6–.69 16.48N 94.57W 102–5 4.2,4.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=6.0km az=190.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Error ellipse: s-maj=3.0km s-min=2.4km az=-1.0.
ISC III 06 08 21 32.1–.80 16.60N–.04 94.30W–.03 121–6 104 0-27
NEIC III 06 08 21 32.7–2.4 16.58N–.06 94.28W–.04 116–6 4.2b,4.2 **¶611149171**
MEX III 06 08 21 33.7–.92 16.55N 94.33W 116–9 4.2,4.2
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=5.3km az=195.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Error ellipse: s-maj=7.3km s-min=4.2km az=-1.0.
ISC III 16 10 40 39.0–1.1 16.17N–.03 97.07W–.02 4–9 3.6b 104 0-59
IDC III 16 10 40 36.5–4.2 15.76N 97.04W 0 3.6,3.6b **¶610546307**
MEX III 16 10 40 42.3–1.0 16.00N 97.13W 16–3 4.3,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=74.4km s-min=16.6km az=168.0.
MEX Error ellipse: s-maj=5.2km s-min=4.1km az=-1.0.
ISC III 18 10 37 44.4–.30 17.07N–.03 95.33W–.03 98–2 5.0b 973 0-134
MOS III 18 10 37 44.6–1.1 17.14N 95.13W 107 5.1b **¶610345872**
NEIC III 18 10 37 44.3–2.4 17.02N–.05 95.32W–.04 99–7 5.2,5.0b
NEIC III 18 10 37 45.3 17.20N 95.21W 90 5.2,5.0b
IDC III 18 10 37 45.3–.43 17.15N 95.11W 98–2 4.5,4.2b
MEX III 18 10 37 46.0–.54 17.07N 95.31W 102–2 5.2,4.2b
GCMT III 18 10 37 46.3–.40 17.22N–.02 95.13W–.02 113–4 4.9W,4.2b
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s299.78897°,δ84.56061°,λ-151.97025°. NP2: ϕ_s206.89996°,δ62.10751°,λ-6.15697°. Principal axes: T Plg15.2936°,Azm70.1108° ; N Plg61.4894°,Azm309.8850°; P Plg23.4422°,Azm166.9205° Moment Tensor Solution. NP1:ϕ_s199.31023°,δ14.87081°,λ-39.15809°. NP2:ϕ_s327.51605°,δ80.67358°,λ-101.63443°. Principal axes: T Plg34.6687°,Azm67.5006°; N Plg11.4785°,Azm329.4272°; P Plg52.9411° ,Azm223.8285°
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-1.09 $M_{\theta\theta}$-0.50 $M_{\phi\phi}$1.59 $M_{r\theta}$1.04 $M_{\theta\phi}$-0.54 $M_{\phi r}$-0.61 NP1:ϕ_s316.44000°,δ68.40000°,λ-123.56000°. NP2:ϕ_s197.42000° ,δ39.21000°,λ-35.61000°. Principal axes: T 1.9694,Plg17.0000°,Azm71.0000° ; N -0.0877,Plg31.0000°,Azm330.0000°; P -1.8817,Plg54.0000°,Azm185.0000° $M_0$1.93000×10^{16}
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s20,c21; s97,c129;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.26±.09 $M_{\theta\theta}$-0.57±.10; $M_{\phi\phi}$1.82±.10; $M_{r\theta}$1.35±.06; $M_{\theta\phi}$-1.02±.10; $M_{\phi r}$-0.75±.07; Best double couple: NP1:ϕ_s309.00000°,δ70.00000° ,λ-124.00000°. NP2:ϕ_s193.00000°,δ39.00000°,λ-32.00000°. Principal axes: T 2.5810,Plg18.0000°,Azm64.0000°; N -0.2800,Plg32.0000°,Azm322.0000°

; P -2.3080,Plg52.0000°,Azm179.0000° $M_0$2.44400×10^{16}
ISC III 27 10 48 51.5–.60 17.04N–.03 95.45W–.02 109–5 4.6b 278 1-80
NEIC III 27 10 48 51.2–2.7 16.97N–.07 95.41W–.05 101–11 4.6,4.6b **¶610436975**
MEX III 27 10 48 52.3–.71 17.00N 95.47W 108–6 4.6,4.6b
IDC III 27 10 48 53.3–.79 17.17N 95.01W 104–4 4.0,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=6.6km az=187.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Error ellipse: s-maj=3.1km s-min=3.0km az=-1.0.
IDC Error ellipse: s-maj=29.6km s-min=14.8km az=50.0.
ISC IV 02 13 51 39.5–.70 16.72N–.03 94.46W–.02 115–6 4.5b 142 0-62
NEIC IV 02 13 51 39.9–2.5 16.66N–.07 94.45W–.05 105–9 4.5b **¶611149404**
MEX IV 02 13 51 40.9–.57 16.73N 94.44W 110–5 4.3
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=6.3km az=184.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Error ellipse: s-maj=4.5km s-min=2.7km az=-1.0.
ISC IV 05 04 44 49.3–.76 16.03N–.03 94.97W–.03 61–8 4.3b 423 1-93
NEIC IV 05 04 44 49.6–2.0 16.03N–.05 94.98W–.04 54–9 4.5,4.4b **¶610651964**
MEX IV 05 04 44 49.7–.41 16.02N 95.00W 62–5 4.5,4.4b
GCG IV 05 04 44 51.0–3.1 16.58N 94.71W 34 4.7,4.4b
SNET IV 05 04 44 52.2–1.1 16.07N 94.73W 35–200 4.7L,4.4b
IDC IV 05 04 44 53.4–.72 16.60N 94.39W 75–7 4.1,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=6.8km s-min=5.3km az=188.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Error ellipse: s-maj=1.6km s-min=1.1km az=-1.0.
GCG Error ellipse: s-maj=133.8km s-min=68.5km az=-1.0.
SNET Error ellipse: s-maj=27.8km s-min=128.6km az=-1.0.
IDC Error ellipse: s-maj=36.9km s-min=11.2km az=53.0.
ISC IV 14 07 38 31.1–.60 16.97N–.04 94.06W–.04 151–5 4.1b 416 0-135
IDC IV 14 07 38 30.4–.86 17.07N 93.90W 137–10 4.0,3.6b **¶610527997**
NEIC IV 14 07 38 31.1–2.9 16.88N–.07 94.08W–.05 151–6 4.7,4.3b
MEX IV 14 07 38 32.3–.91 16.95N 94.10W 151–6 4.7,4.3b
ISC Event type se.
IDC Error ellipse: s-maj=30.0km s-min=13.5km az=64.0.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=7.1km az=198.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Error ellipse: s-maj=5.2km s-min=3.9km az=-1.0.
ISC IV 15 08 54 34.4–.81 16.75N–.04 95.28W–.02 98–7 80 1-19
NEIC IV 15 08 54 34.8–2.2 16.68N–.09 95.30W–.02 108–14 4.1b,4.0 **¶611149521**
MEX IV 15 08 54 36.1–.68 16.78N 95.30W 99–5 4.1,4.0
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.5km s-min=3.1km az=183.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Error ellipse: s-maj=2.8km s-min=2.4km az=-1.0.
ISC IV 23 04 23 11.8–.81 16.33N–.03 97.99W–.02 16–5 3.9b 184 0-57
IDC IV 23 04 23 10.4–5.0 16.37N 98.00W 0 3.5,3.5b **¶610649796**
NEIC IV 23 04 23 10.9–2.3 16.25N–.04 98.07W–.02 10–1 4.4,4.0b
MEX IV 23 04 23 13.0–.57 16.26N 98.04W 7–5 4.4,4.0b
ISC Event type se.
IDC Error ellipse: s-maj=92.5km s-min=17.9km az=4.0.
NEIC Event type se. Error ellipse: s-maj=7.4km s-min=3.9km az=179.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Error ellipse: s-maj=3.7km s-min=4.6km az=-1.0.
ISC V 06 20 44 19.4–.73 16.02N–.04 94.68W–.03 70–8 4.1b 195 1-90
IDC V 06 20 44 13.8–1.1 16.52N 93.73W 0 4.4s,4.1L **¶610617733**
NEIC V 06 20 44 19.6–2.7 16.04N–.05 94.69W–.04 66–10 4.6,4.2b
MEX V 06 20 44 20.6–.75 16.00N 94.69W 72–7 4.6,4.2b
ISC Event type se.
IDC Error ellipse: s-maj=35.2km s-min=12.0km az=32.0.
NEIC Event type se. Error ellipse: s-maj=7.2km s-min=5.7km az=191.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Error ellipse: s-maj=5.1km s-min=3.9km az=-1.0.
ISC V 25 14 58 03.8–.95 17.65N–.07 95.68W–.06 100 15 0-58
IDC V 25 14 58 03.3–1.3 17.18N 95.21W 136–24 3.6,3.2b **¶610685371**
MEX V 25 14 58 04.2–.51 17.68N 95.69W 102–4 4.5,3.2b
ISC Event type ke.
IDC Error ellipse: s-maj=79.9km s-min=26.4km az=101.0.
MEX Error ellipse: s-maj=3.1km s-min=2.3km az=-1.0.
ISC V 29 12 56 00.4–.47 16.02N–.04 94.33W–.03 89–4 4.4b 227 1-134
NEIC V 29 12 56 00.6–3.8 15.94N–.06 94.34W–.02 82–7 4.7,4.5b **¶610655583**
IDC V 29 12 56 01.3–.66 16.23N 94.10W 87–5 4.2,3.9b
MEX V 29 12 56 01.3–.63 16.00N 94.34W 89–7 4.7,3.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=2.3km az=186.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=16.0km s-min=8.2km az=44.0.
MEX Error ellipse: s-maj=3.5km s-min=2.9km az=-1.0.
ISC VI 14 18 01 41.2–.58 16.59N–.03 94.46W–.03 107–5 4.1b 159 1-134
IDC VI 14 18 01 39.9–1.5 16.45N 94.39W 95–6 4.0,3.6b **¶610760945**
NEIC VI 14 18 01 41.9–2.1 16.49N–.06 94.47W–.02 102–7 4.6,4.3b
MEX VI 14 18 01 42.7–.83 16.62N 94.44W 112–5 4.6,4.3b
ISC Event type se.
IDC Error ellipse: s-maj=37.4km s-min=18.6km az=32.0.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=0.9km az=200.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Error ellipse: s-maj=4.4km s-min=3.3km az=-1.0.

(61) Chiapas.

ISC I 25 20 54 37.4–.32 17.69N–.03 94.61W–.03 169–2 5.0b 1569 0-144
IDC I 25 20 54 38.0–.49 17.81N 94.40W 167–4 4.8,4.3b **¶610121987**
GCMT I 25 20 54 37.9–.30 17.86N–.02 94.56W–.01 168–2 5.1W,4.3b
MOS I 25 20 54 37.6–.81 17.85N 94.38W 177 5.0b,4.3b
NEIC I 25 20 54 37.9–2.3 17.75N–.06 94.56W–.04 160–5 5.1,5.0b
MEX I 25 20 54 38.4–.71 17.68N 94.64W 169–3 5.1,5.0b
ISC Event type se.
IDC Error ellipse: s-maj=13.7km s-min=7.5km az=61.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function. Moment Tensor Solution. s50,c56; s119,c163;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-3.11±.14 $M_{\theta\theta}$-2.18±.17; $M_{\phi\phi}$5.29±.17; $M_{r\theta}$2.09±.12;
$M_{\theta\phi}$-0.69±.23; $M_{\phi r}$-4.31±.16; Best double couple: NP1:ϕ_s334.00000°,δ72.00000°
,λ-112.00000°. NP2:ϕ_s205.00000°,δ28.00000°,λ-42.00000°. Principal axes:
T 7.3340,Plg24.0000°,Azm80.0000°; N -1.5960,Plg20.0000°,Azm341.0000°
; P -5.7370,Plg58.0000°,Azm215.0000° $M_0$6.53600×10^{16}
MOS Error ellipse: s-maj=9.7km s-min=4.2km az=109.8.
NEIC Event type se. Error ellipse: s-maj=8.8km s-min=5.5km az=177.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Error ellipse: s-maj=3.3km s-min=3.0km az=-1.0.
ISC II 11 03 21 34.0–.78 17.17N–.04 94.47W–.03 149–6 118 0-26
NEIC II 11 03 21 34.9–1.8 17.15N–.07 94.43W–.05 142–3 4.4,4.1b **¶611148985**
MEX II 11 03 21 36.3–.33 17.20N 94.40W 141–3 4.4,4.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=6.2km az=193.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Error ellipse: s-maj=3.2km s-min=2.3km az=-1.0.
ISC III 15 12 45 21.1–2.3 16.2N–.10 92.82W–.09 25–19 13 1-49
IDC III 15 12 45 10.6–10 15.17N 92.82W 0 3.4,3.4b **¶610546250**
MEX III 15 12 45 20.6–.35 15.03N 93.61W 16–70 3.9,3.4b
ISC Event type ke.
IDC Error ellipse: s-maj=218.1km s-min=71.4km az=15.0.
MEX Error ellipse: s-maj=35.5km s-min=57.0km az=-1.0.
ISC IV 05 12 20 00.1–.55 17.35N–.03 94.64W–.03 151–5 4.5b 397 0-134
GCG IV 05 12 19 58.4–3.4 17.80N 94.47W 83 4.8 **¶610502372**
IDC IV 05 12 19 58.9–.56 17.50N 94.22W 125–8 4.3,3.9b
NEIC IV 05 12 20 00.3–3.2 17.32N–.06 94.64W–.05 143–7 4.6b,4.5
MEX IV 05 12 20 01.8–.88 17.32N 94.63W 148–4 4.5,4.5
ISC Event type se.
GCG Error ellipse: s-maj=64.9km s-min=72.2km az=-1.0.
IDC Error ellipse: s-maj=21.8km s-min=11.9km az=61.0.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=6.1km az=202.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Error ellipse: s-maj=4.1km s-min=3.1km az=-1.0.
MEX IV 12 16 36 41.2–.35 17.43N 94.54W 138–4 3.6
¶615179038
MEX Error ellipse: s-maj=7.2km s-min=2.7km az=-1.0.
ISC V 20 17 58 45.6–.17 17.10N–.02 94.05W–.02 144–1 5.8b 2380 0-157
ECX V 20 17 58 20.4–1.8 16.53N 92.52W 10–452 5.7 **¶612756873**
MOS V 20 17 58 44.9–.95 17.10N 93.93W 141 6.0b,4.9s
BJI V 20 17 58 45.2–.00 17.31N 94.38W 141 5.2b,4.9s
IDC V 20 17 58 45.5–.22 17.07N 94.02W 138–1 5.4,5.1b
NEIC V 20 17 58 46.6 17.15N 93.98W 140 5.4,5.1b
NEIC V 20 17 58 46.3 17.14N 94.01W 150 5.4,5.1b
NEIC V 20 17 58 46.3 17.14N 94.01W 150 5.4,5.1b
NEIC V 20 17 58 46.5–2.7 17.05N–.06 94.09W–.04 144–1 5.9b,5.7
MEX V 20 17 58 47.2–.63 17.03N 94.21W 148–5 5.7,5.7
GCMT V 20 17 58 47.5–.10 17.17N–.01 94.10W–.01 147–0 5.8W,5.7
BGR V 20 17 58 49.7 17.17N 93.91W 150 6.4,6.2b
SNET V 20 17 58 53.5–.95 16.76N 93.63W 103–39 5.7L,6.2b
GCG V 20 17 59 14.3–.40 15.99N 92.26W 18–999 5.3,6.2b
ISC Event type ke.
ECX Error ellipse: s-maj=181.8km s-min=276.2km az=-1.0.
MOS Error ellipse: s-maj=6.7km s-min=4.6km az=88.7.
IDC Error ellipse: s-maj=6.8km s-min=5.4km az=42.0.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: $3^{s}8$ Moment tensor: Scale 10^{17}Nm;
M_{rr}-2.86 $M_{\theta\theta}$-1.08 $M_{\phi\phi}$3.94 $M_{r\theta}$2.65 $M_{\theta\phi}$-1.25 $M_{\phi r}$-2.24 NP1:ϕ_s320.14000°,δ69.80000°
,λ-117.04000°. NP2:ϕ_s196.06000°,δ33.29000°,λ-38.99000°. Principal axes:
T 5.2737,Plg20.0000°,Azm70.0000°; N -0.3613,Plg25.0000°,Azm330.0000°
; P -4.9124,Plg57.0000°,Azm194.0000° $M_0$5.09000×10^{17}
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=5.7km az=26.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-3.13 $M_{\theta\theta}$-0.13 $M_{\phi\phi}$3.26 $M_{r\theta}$2.60
$M_{\theta\phi}$-0.66 $M_{\phi r}$-2.69 NP1:ϕ_s325.91000°,δ70.41000°,λ-107.24000°. NP2:ϕ_s188.70000°
,δ25.87000°,λ-50.20000°. Principal axes: T 4.7695,Plg24.0000°,Azm69.0000°
; N 0.3728,Plg16.0000°,Azm332.0000°; P -5.1423,Plg61.0000°,Azm210.0000°
$M_0$4.97000×10^{17}
MEX Error ellipse: s-maj=4.1km s-min=3.6km az=-1.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function. Moment Tensor Solution. s156,c311; s156,c348;Duration: $1^{s}9$
Moment tensor: Scale 10^{17}Nm; M_{rr}-3.28±.04 $M_{\theta\theta}$-0.85±.05; $M_{\phi\phi}$4.13±.05; $M_{r\theta}$3.05±.04;
$M_{\theta\phi}$-1.74±.05; $M_{\phi r}$-2.78±.04; Best double couple: NP1:ϕ_s319.00000°,δ70.00000°
,λ-113.00000°. NP2:ϕ_s190.00000°,δ30.00000°,λ-43.00000°. Principal axes:
T 6.1190,Plg22.0000°,Azm66.0000°; N -0.5630,Plg21.0000°,Azm327.0000°
; P -5.5580,Plg59.0000°,Azm197.0000° $M_0$5.83900×10^{17}
BGR Event type ke.
SNET Error ellipse: s-maj=10.1km s-min=25.7km az=-1.0.
GCG Error ellipse: s-maj=82.0km s-min=64.5km az=-1.0.
ISC V 25 00 07 00.0–.24 17.03N–.03 94.13W–.03 146–1 5.1b 1575 0-157
UCR V 25 00 06 00.7–1.6 19.46N 97.95W 37–787 5.3b **¶611833982**
MOS V 25 00 06 58.6–1.0 17.07N 93.95W 134 5.2b
IDC V 25 00 06 59.4–.35 17.00N 93.99W 134–3 4.7,4.3b
NEIC V 25 00 07 00.7–2.5 17.02N–.05 94.16W–.04 140–3 5.4,5.3
NEIC V 25 00 07 01.5 17.11N 94.00W 130 5.4,5.3
NEIC V 25 00 07 01.5 17.31N 93.90W 130 5.4,5.3
GCMT V 25 00 07 01.8–.10 17.19N–.01 94.10W–.01 145–0 5.4W,5.3
MEX V 25 00 07 02.0–.59 17.03N 94.18W 145–3 5.4,5.3
GCG V 25 00 07 16.9–2.9 16.74N 92.95W 50–999 5.2,5.3
ISC Event type se.
UCR Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
MOS Error ellipse: s-maj=6.7km s-min=4.1km az=85.3.
IDC Error ellipse: s-maj=11.4km s-min=7.7km az=45.0.
NEIC Event type se. Error ellipse: s-maj=8.2km s-min=5.5km az=199.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: $2^{s}5$ Moment tensor: Scale 10^{17}Nm;
M_{rr}-0.77 $M_{\theta\theta}$-0.06 $M_{\phi\phi}$0.83 $M_{r\theta}$0.67 $M_{\theta\phi}$-0.36 $M_{\phi r}$-0.61 NP1:ϕ_s319.78000°,δ69.47000°
,λ-108.12000°. NP2:ϕ_s182.80000°,δ27.12000°,λ-50.29000°. Principal axes:
T 1.2898,Plg22.0000°,Azm64.0000°; N -0.0586,Plg17.0000°,Azm326.0000°
; P -1.2312,Plg61.0000°,Azm203.0000° $M_0$1.26000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function. Moment Tensor Solution. s130,c215; s150,c279;Duration: $1^{s}2$
Moment tensor: Scale 10^{17}Nm; M_{rr}-0.84±.01 $M_{\theta\theta}$0.10±.02; $M_{\phi\phi}$0.74±.02; $M_{r\theta}$0.85±.01;
$M_{\theta\phi}$-0.56±.02; $M_{\phi r}$-0.77±.01; Best double couple: NP1:ϕ_s315.00000°,δ71.00000°
,λ-102.00000°. NP2:ϕ_s169.00000°,δ23.00000°,λ-58.00000°. Principal axes:
T 1.5800,Plg25.0000°,Azm55.0000°; N -0.1510,Plg12.0000°,Azm319.0000°
; P -1.4290,Plg62.0000°,Azm206.0000° $M_0$1.50500×10^{17}
MEX Error ellipse: s-maj=3.3km s-min=1.9km az=-1.0.
GCG Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.

(62) Mexico-Guatemala border region.

ISC I 09 10 27 30.9–.54 15.36N–.06 91.64W–.07 195–5 4.5b 119 0-145
IDC I 09 10 27 30.9–.81 15.37N 91.47W 196–7 4.3,3.8b **¶610237023**
NEIC I 09 10 27 31.6–2.3 15.30N–.09 91.82W–.09 191–7 4.6b,3.8b
INET I 09 10 27 32.6–.51 14.95N 90.25W 0–1 3.8W,3.8b
GCG I 09 10 27 38.6–.37 15.26N 91.62W 131–46 4.2,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=21.0km s-min=9.7km az=54.0.
NEIC Event type se. Error ellipse: s-maj=14.4km s-min=10.6km az=221.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
INET Error ellipse: s-maj=4.7km s-min=2.5km az=-1.0.
GCG Error ellipse: s-maj=27.8km s-min=21.0km az=-1.0.
ISC I 22 01 53 38.7–.65 15.59N–.06 92.65W–.05 162–6 3.6b 93 1-61
IDC I 22 01 53 38.7–1.4 15.73N 92.42W 134–20 3.7,3.3s **¶610235045**
NEIC I 22 01 53 39.1–1.3 15.61N–.04 92.59W–.07 162–6 4.2,4.0b
MEX I 22 01 53 40.3–.48 15.71N 92.49W 159–7 4.2,4.0b
ISC Event type se.
IDC Error ellipse: s-maj=59.5km s-min=12.3km az=42.0.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=4.3km az=65.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Error ellipse: s-maj=12.2km s-min=9.7km az=-1.0.
ISC II 04 07 54 28.8–.58 16.00N–.04 92.95W–.04 175–5 4.1b 213 0-135
IDC II 04 07 54 28.1–.98 15.92N 93.01W 171–11 4.1,3.6b **¶610195890**
MEX II 04 07 54 29.8–.66 16.05N 92.94W 176–5 4.5,3.6b
NEIC II 04 07 54 30.0–2.8 16.02N–.06 92.95W–.06 165–6 4.6,4.4b
GCG II 04 07 54 58.2–3.4 14.75N 91.26W 0–999 4.3,4.4b
ISC Event type se.
IDC Error ellipse: s-maj=30.6km s-min=10.7km az=51.0.
MEX Error ellipse: s-maj=4.1km s-min=5.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=6.7km az=48.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCG Error ellipse: s-maj=34.0km s-min=18.5km az=-1.0.
ISC II 14 07 53 38.1–1.4 16.09N–.05 91.39W–.06 30–13 23 1-3
GCG II 14 07 53 37.8–.51 14.43N 90.57W 229–12 3.6 **¶615176882**

MEX II 14 07 53 39.4–.83 16.04N 91.38W 8–59 3.8
ISC Event type ke.
GCG Error ellipse: s-maj=201.2km s-min=49.2km az=-1.0.
MEX Error ellipse: s-maj=16.0km s-min=58.3km az=-1.0.
IDC II 23 07 16 43.0–11 15.14N 91.39W 0 3.6b,3.4L ¶610384852
IDC Error ellipse: s-maj=281.4km s-min=118.7km az=27.0.
ISC II 23 08 42 34.2–1.5 15.27N–.08 91.21W–.04 11–12 15 0-3
GCG II 23 08 42 33.9–.66 15.29N 91.17W 7–37 3.8 **¶612523404**
SNET II 23 08 42 36.0–.88 15.19N 91.32W 4–14 3.4L
ISC Event type ke.
GCG Error ellipse: s-maj=17.6km s-min=8.1km az=-1.0.
SNET Error ellipse: s-maj=14.0km s-min=16.6km az=-1.0.
ISC V 02 04 35 55.6–.77 15.10N–.06 92.60W–.05 100–5 3.5b 50 0-145
IDC V 02 04 35 54.9–2.5 15.35N 92.12W 92–32 3.5,3.2b **¶610689366**
MEX V 02 04 35 55.1–1.3 14.94N 92.64W 106–9 4.3,3.2b
GCG V 02 04 35 57.0–.68 14.99N 92.69W 17–5 4.0,3.2b
ISC Event type ke.
IDC Error ellipse: s-maj=101.4km s-min=23.2km az=34.0.
MEX Error ellipse: s-maj=9.9km s-min=10.2km az=-1.0.
GCG Error ellipse: s-maj=17.9km s-min=6.5km az=-1.0.
ISC V 03 23 48 36.3–.81 15.10N–.05 92.86W–.03 93–7 3.5b 84 1-94
NEIC V 03 23 48 37.5–2.5 15.10N–.06 92.81W–.04 86–7 3.9b **¶611150007**
MEX V 03 23 48 37.6–.77 15.09N 92.80W 96–8 4.5
IDC V 03 23 48 43.0–1.5 17.84N 92.81W 0 3.7b,3.6
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=4.6km az=207.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Error ellipse: s-maj=5.3km s-min=5.6km az=-1.0.
IDC Error ellipse: s-maj=32.3km s-min=26.9km az=111.0.
ISC VI 11 04 04 33.0–1.1 15.76N–.06 92.52W–.05 193–7 43 1-22
NEIC VI 11 04 04 33.9–1.0 15.76N–.06 92.44W–.06 188–6 4.2b,4.1 **¶611151010**
MEX VI 11 04 04 34.2–.73 15.69N 92.52W 195–7 4.1,4.1
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=8.0km az=53.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Error ellipse: s-maj=10.8km s-min=10.9km az=-1.0.

(64) Off coast of Michoacan.

ISC IV 02 10 48 14.2–1.2 15.3N–.10 104.4W–.10 35 3.7s,3.5b 48 3-125
IDC IV 02 10 48 07.5–2.2 15.40N 103.63W 0 3.7s,3.5b **¶610651755**
NEIC IV 02 10 48 17.8–2.7 15.4N–.10 104.1W–.10 42–14 4.1,4.1b
MEX IV 02 10 48 23.4–.56 16.09N 103.94W 10 4.1,4.1b
ISC Event type se.
IDC Error ellipse: s-maj=111.3km s-min=34.2km az=86.0.
NEIC Event type se. Error ellipse: s-maj=20.7km s-min=14.5km az=71.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Error ellipse: s-maj=20.6km s-min=15.6km az=-1.0.
IDC V 16 11 05 36.3–8.7 15.73N 104.87W 0 3.5,3.3b ¶610690413
IDC Error ellipse: s-maj=176.5km s-min=95.5km az=127.0.
ISC V 16 11 10 49.2–.63 16.38N–.07 105.03W–.07 35 4.7b,4.1s 570 2-130
NEIC V 16 11 10 45.7–1.7 16.31N–.09 105.13W–.09 10–1 4.7b,4.5 **¶610641566**
MEX V 16 11 10 47.0–.66 16.41N 105.12W 10 4.5,4.5
GCMT V 16 11 10 48.7–.30 16.60N–.01 105.30W–.02 21–1 5.0W,4.5
IDC V 16 11 10 54.5–5.3 16.45N 104.82W 83–43 4.2,4.1s
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.4km s-min=11.8km az=224.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Error ellipse: s-maj=37.1km s-min=48.6km az=-1.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s34,c36; s102,c139;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.02±.13 $M_{\theta\theta}$-3.29±.11; $M_{\phi\phi}$3.27±.11; $M_{r\theta}$-0.39±.17; $M_{\theta\phi}$0.44±.09; $M_{\phi r}$0.54±.16; Best double couple: NP1:ϕ_s319.00000°,δ89.00000°,λ169.00000°. NP2:ϕ_s49.00000°,δ79.00000°,λ1.00000°. Principal axes: T 3.3770,Plg9.0000°,Azm273.0000° ; N -0.0040,Plg79.0000°,Azm133.0000°; P -3.3720,Plg7.0000°,Azm4.0000° $M_0$3.37500×10^{16}
IDC Error ellipse: s-maj=48.1km s-min=18.7km az=46.0.
ISC V 16 12 52 06.8–.48 16.33N–.05 105.20W–.06 10 4.8b,4.4s 663 3-138
MEX V 16 12 52 03.2–.47 16.08N 105.31W 10 5.0,4.4s **¶610641633**
NEIC V 16 12 52 08.1–2.3 16.38N–.08 105.16W–.05 10–1 5.0,4.8b
GCMT V 16 12 52 10.1–.20 16.55N–.01 105.32W–.01 15–1 5.1W,4.8b
IDC V 16 12 52 12.3–3.5 16.28N 105.15W 54–29 4.4,4.3s
ISC Event type se.
MEX Error ellipse: s-maj=46.0km s-min=32.2km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=13.1km s-min=8.9km az=181.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s59,c75; s113,c176;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.20±.10 $M_{\theta\theta}$-4.13±.10; $M_{\phi\phi}$3.93±.10; $M_{r\theta}$-1.82±.35; $M_{\theta\phi}$2.00±.09; $M_{\phi r}$-0.10±.29; Best double couple: NP1:ϕ_s57.00000°,δ83.00000°,λ-18.00000°. NP2:ϕ_s150.00000°,δ72.00000°,λ-172.00000°. Principal axes: T 4.4670,Plg7.0000° ,Azm105.0000°; N 0.7030,Plg70.0000°,Azm216.0000°; P -5.1710,Plg18.0000°,Azm12.0000° $M_0$4.81900×10^{16}
IDC Error ellipse: s-maj=32.8km s-min=12.6km az=48.0.
ISC V 17 10 44 17.7–1.8 16.4N–.20 105.1W–.10 10 3.7s,3.5b 57 5-63
IDC V 17 10 44 13.6–4.5 16.11N 105.29W 0 3.7s,3.5 **¶610641796**
NEIC V 17 10 44 19.8–1.5 16.5N–.10 105.0W–.10 10–2 4.1b,3.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC V 17 11 58 01.1–8.6 15.50N 104.45W 0 3.4s,3.4 ¶610690492
IDC Error ellipse: s-maj=176.4km s-min=104.2km az=124.0.
IDC V 17 18 22 49.2–12 15.13N 104.36W 0 3.6s,3.6 ¶610690515
IDC Error ellipse: s-maj=443.5km s-min=139.5km az=106.0.
ISC V 18 20 31 15.1–1.8 17.5N–.20 105.0W–.10 35 4.1b,3.5s 48 4-137
IDC V 18 20 31 08.5–3.2 17.17N 105.55W 0 3.6,3.5b **¶610690620**
NEIC V 18 20 31 17.3–2.4 17.8N–.10 104.76W–.07 10–1 4.1b,3.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(65) Off coast of Guerrero.

MEX I 07 06 16 07.1–.63 15.96N 98.89W 16–14 4.4 ¶612328971
MEX Error ellipse: s-maj=9.3km s-min=5.8km az=-1.0.
ISC I 07 06 16 33.0–2.6 15.92N–.04 98.84W–.03 12–16 4.8b,3.8s 605 1-133
MEX I 07 06 16 33.6–.62 15.86N 98.87W 16–30 4.8,3.8s **¶615175352**
IDC I 07 06 16 37.9–7.3 16.16N 98.66W 33–55 4.2,4.0b
NEIC I 07 06 16 38.3–2.4 16.21N–.06 98.70W–.04 27–6 4.8,4.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX I 13 20 43 41.2–.55 15.84N 98.33W 15 3.7 ¶615175563
MEX Error ellipse: s-maj=11.2km s-min=12.5km az=-1.0.
ISC I 20 07 32 43.6–2.1 15.96N–.05 98.66W–.03 2–14 3.6b 87 1-59
IDC I 20 07 32 41.3–7.3 15.47N 98.65W 0 3.6L,3.5 **¶610234922**
NEIC I 20 07 32 45.4–2.5 15.90N–.04 98.64W–.02 16–4 4.3,4.2b
MEX I 20 07 32 47.2–.56 15.94N 98.75W 17–727 4.3,4.2b
ISC Event type se.
IDC Error ellipse: s-maj=138.9km s-min=23.4km az=174.0.
NEIC Event type se. Error ellipse: s-maj=5.8km s-min=1.8km az=206.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Error ellipse: s-maj=8.5km s-min=4.5km az=-1.0.
ISC II 20 19 07 20.1–1.8 15.83N–.05 98.75W–.04 8–12 3.6b 72 1-59
IDC II 20 19 07 14.8–6.5 15.11N 98.69W 0 3.5,3.5b **¶610384698**
MEX II 20 19 07 23.2–.45 15.94N 98.87W 13–12 4.3,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=118.1km s-min=35.3km az=179.0.
MEX Error ellipse: s-maj=8.4km s-min=7.6km az=-1.0.
ISC II 20 20 44 14.3–.73 15.98N–.05 98.73W–.03 21–3 4.1b,3.1s 198 1-59
IDC II 20 20 44 09.5–3.2 15.74N 98.75W 0 3.7,3.7b **¶610240039**
MEX II 20 20 44 13.9–.48 15.96N 98.83W 9–7 4.4,3.7b
NEIC II 20 20 44 17.6–2.5 16.20N–.04 98.57W–.03 24–8 4.3,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC II 21 11 56 07.9–6.1 15.88N 98.63W 0 3.5,3.4b ¶610239070
IDC Error ellipse: s-maj=116.5km s-min=31.7km az=9.0.
ISC II 23 17 07 01.0–1.3 15.97N–.04 98.82W–.02 7–7 4.6b,3.8s 390 1-142
IDC II 23 17 07 02.8–1.4 16.30N 98.58W 0 4.3b,4.2 **¶610240052**
MEX II 23 17 07 02.7–.95 15.95N 98.87W 14–19 4.5,4.2
NEIC II 23 17 07 04.9–2.0 16.27N–.04 98.69W–.04 10–5 4.6b,4.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 12 04 12 47.9–1.3 15.95N–.04 98.64W–.02 9–9 4.0b 117 1-53
NEIC III 12 04 12 52.1–2.1 16.00N–.03 98.63W–.02 21–8 4.2,4.1b **¶610546056**
IDC III 12 04 12 54.0–8.9 16.28N 98.36W 0 3.4b,3.3L
MEX III 12 04 12 55.0–.55 16.04N 98.65W 16–3 4.2,3.3L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=4.2km s-min=1.8km az=198.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=157.4km s-min=132.3km az=24.0.
MEX Error ellipse: s-maj=3.4km s-min=2.4km az=-1.0.
ISC V 17 09 13 27.3–.29 14.40N–.04 103.32W–.04 10 5.2b,4.4s 939 4-155
IDC V 17 09 13 24.7–.57 14.27N 103.35W 0 4.8b,4.7 **¶610641787**
MOS V 17 09 13 25.3–1.1 14.31N 103.33W 10 5.4b,4.7
MEX V 17 09 13 27.7–.45 14.34N 103.18W 10 5.3,4.7
NEIC V 17 09 13 28.7–2.5 14.40N–.08 103.23W–.08 10–1 5.3,5.3
GCMT V 17 09 13 28.7–.10 14.56N–.01 103.45W–.01 13–0 5.3W,5.3
NEIC V 17 09 13 28.2 14.63N 103.04W 12 5.3W,5.3
NEIC V 17 09 13 28.2 14.33N 103.35W 12 5.3W,5.3
ISC Event type se.
IDC Error ellipse: s-maj=21.4km s-min=11.5km az=59.0.
MOS Error ellipse: s-maj=11.2km s-min=7.0km az=94.9.
MEX Error ellipse: s-maj=10.5km s-min=6.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=15.2km s-min=10.5km az=219.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s106,c153; s136,c244;Duration: 1ș1 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.64±.02 $M_{\theta\theta}$-0.51±.01; $M_{\phi\phi}$1.15±.02; $M_{r\theta}$-0.17±.04; $M_{\theta\phi}$-0.35±.01; $M_{\phi r}$-0.32±.03; Best double couple: NP1:ϕ_s19.00000°,δ64.00000°,λ-46.00000°. NP2:ϕ_s134.00000°,δ50.00000°,λ-145.00000°. Principal axes: T 1.2640,Plg9.0000° ,Azm80.0000°; N -0.3920,Plg38.0000°,Azm177.0000°; P -0.8680,Plg50.0000° ,Azm339.0000° $M_0$1.06600×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 2ș3 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.71 $M_{\theta\theta}$-0.37 $M_{\phi\phi}$1.08 $M_{r\theta}$-0.35 $M_{\theta\phi}$-0.27 $M_{\phi r}$-0.46 NP1:ϕ_s17.93000°,δ64.40000° ,λ-54.24000°. NP2:ϕ_s138.89000°,δ42.96000°,λ-140.66000°. Principal axes: T 1.2103,Plg12.0000°,Azm83.0000°; N -0.1491,Plg32.0000°,Azm181.0000° ; P -1.0613,Plg55.0000°,Azm335.0000° $M_0$1.14000×10^{17}
NEIC Event type se.
ISC V 25 15 08 58.1–1.2 14.6N–.20 103.2W–.40 10 3.6b,3.4s 9 12-126
IDC V 25 15 08 56.5–1.1 14.61N 103.19W 0 3.7,3.7b **¶610685372**
ISC Event type ke.
IDC Error ellipse: s-maj=61.1km s-min=22.0km az=68.0.

(66) Near coast of Oaxaca.

ISC II 09 03 57 43.0–.56 15.75N–.04 95.92W–.03 10 4.3b 274 0-61
IDC II 09 03 57 42.6–1.2 15.87N 95.93W 0 3.8,3.8b **¶610205760**
NEIC II 09 03 57 44.0–2.0 15.82N–.06 95.90W–.03 10–1 4.6,4.4b
MEX II 09 03 57 46.6–1.1 15.82N 95.98W 13–4 4.7,4.6W
ISC Event type se.
IDC Error ellipse: s-maj=26.2km s-min=18.6km az=50.0.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=5.6km az=182.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Error ellipse: s-maj=2.2km s-min=4.2km az=-1.0.
ISC II 13 20 41 24.2–.69 15.69N–.04 94.03W–.03 83–6 4.8b 744 1-144
GCG II 13 20 40 12.2–3.2 17.92N 98.95W 3–999 4.9 **¶610208913**
BGR II 13 20 41 12.0 13.88N 94.62W 33 4.9b
MEX II 13 20 41 24.8–.76 15.72N 94.07W 92–8 5.0,5.0W
NEIC II 13 20 41 25.2–2.4 15.75N–.05 94.02W–.04 88–5 5.0,4.7b
IDC II 13 20 41 25.2–1.1 15.85N 93.88W 82–9 4.5,4.2b
SNET II 13 20 41 31.3–.99 16.24N 93.17W 34–252 5.0L,4.2b
ISC Event type se.
GCG Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
ISC Event type ke. Hypocentre not reviewed by the ISC.
MEX Error ellipse: s-maj=3.7km s-min=3.4km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=5.5km az=204.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=21.9km s-min=9.2km az=50.0.
SNET Error ellipse: s-maj=50.9km s-min=168.6km az=-1.0.
ISC II 23 09 47 46.2–.93 15.83N–.03 95.90W–.03 13–6 4.9b,4.2s 628 0-135
IDC II 23 09 47 43.6–.63 15.86N 95.93W 0 4.4,4.4b **¶610239762**
MEX II 23 09 47 47.2–.66 15.66N 95.92W 12–2 5.0W,4.9
NEIC II 23 09 47 47.5–2.9 15.97N–.03 95.77W–.03 10–1 4.9,4.9b
GCMT II 23 09 47 50.5–.30 15.92N–.02 95.81W–.02 26–1 5.0W,4.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s33,c39; s93,c131;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.03±.13 $M_{\theta\theta}$-2.45±.10; $M_{\phi\phi}$2.42±.10; $M_{r\theta}$2.00±.24; $M_{\theta\phi}$-0.45±.08; $M_{\phi r}$-1.38±.21; Best double couple: NP1:ϕ_s309.00000°,δ90.00000° ,λ-136.00000°. NP2:ϕ_s219.00000°,δ46.00000°,λ-1.00000°. Principal axes: T 3.3490,Plg29.0000°,Azm74.0000°; N 0.2290,Plg46.0000°,Azm309.0000° ; P -3.5770,Plg30.0000°,Azm183.0000° $M_0$3.46300×10^{16}
ISC II 23 10 14 12.1–.87 15.74N–.05 95.93W–.03 17–5 3.6b,3.1s 93 0-60
IDC II 23 10 14 11.0–1.5 15.77N 95.84W 0 3.4,3.4b **¶610384872**
NEIC II 23 10 14 12.4–2.7 15.89N–.04 95.94W–.03 10–1 4.4,4.3b
MEX II 23 10 14 13.0–.62 15.67N 95.92W 10–2 4.4,4.3b
ISC Event type se.
IDC Error ellipse: s-maj=21.9km s-min=17.5km az=138.0.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=4.2km az=148.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Error ellipse: s-maj=3.0km s-min=1.3km az=-1.0.
ISC II 23 15 21 07.5–.00 15.82N–.03 95.89W–.03 13–6 4.9b,4.3s 603 0-143
NEIC II 23 15 21 09.9–1.7 16.15N–.08 95.58W–.07 10–1 4.9,4.9b **¶610239932**
MEX II 23 15 21 09.0–.82 15.64N 95.96W 14–2 4.9,4.9b
IDC II 23 15 21 11.8–3.7 16.01N 95.79W 33–26 4.5,4.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.9km s-min=9.0km az=213.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Error ellipse: s-maj=4.0km s-min=2.0km az=-1.0.
IDC Error ellipse: s-maj=23.6km s-min=11.3km az=57.0.
MEX II 25 23 24 59.3–.48 15.55N 95.50W 41–13 4.0 ¶616229092

MEX Error ellipse: s-maj=7.1km s-min=3.8km az=-1.0.
ISC III 17 14 22 16.0–.88 15.94N–.04 96.13W–.03 43–8 3.5b 63 0-60
IDC III 17 14 22 13.2–6.6 15.45N 95.37W 68–45 3.4,3.4L **¶610546388**
MEX III 17 14 22 16.5–.69 15.97N 96.16W 49–9 4.3,3.4L
ISC Event type ke.
IDC Error ellipse: s-maj=89.0km s-min=49.2km az=114.0.
MEX Error ellipse: s-maj=5.1km s-min=3.6km az=-1.0.
ISC III 28 21 48 30.9–.71 15.86N–.04 94.18W–.03 83–7 4.3b 210 1-135
NEIC III 28 21 48 31.4–2.3 15.82N–.06 94.17W–.05 84–7 4.6,4.4b **¶610441393**
MEX III 28 21 48 32.8–.69 15.87N 94.19W 85–13 4.6,4.4b
IDC III 28 21 48 32.4–1.8 16.07N 93.93W 82–13 4.0,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=6.2km az=196.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Error ellipse: s-maj=5.3km s-min=3.9km az=-1.0.
IDC Error ellipse: s-maj=44.9km s-min=16.2km az=47.0.
ISC IV 29 13 10 44.2–3.6 15.26N–.09 96.47W–.05 4–23 3.7b 47 1-60
IDC IV 29 13 10 39.8–5.8 14.91N 95.66W 0 3.6b,3.5 **¶610650311**
MEX IV 29 13 10 46.9–.72 15.14N 96.48W 14–53 4.3,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=109.1km s-min=40.4km az=134.0.
MEX Error ellipse: s-maj=42.5km s-min=21.7km az=-1.0.
ISC V 08 02 49 57.7–.00 15.66N–.05 94.23W–.03 61–12 3.5b 64 1-85
IDC V 08 02 49 55.5–2.0 16.80N 93.39W 0 3.9b,3.7 **¶610689774**
MEX V 08 02 49 58.6–.47 15.58N 94.24W 61–10 4.3,3.7
GCG V 08 02 50 04.1–.51 15.34N 93.95W 50–861 4.4,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=47.3km s-min=23.2km az=11.0.
MEX Error ellipse: s-maj=4.0km s-min=3.3km az=-1.0.
GCG Error ellipse: s-maj=116.5km s-min=58.4km az=-1.0.
ISC VI 14 23 58 48.6–.57 15.15N–.03 97.29W–.02 3–3 5.5b,5.1s 2012 1-158
IDC VI 14 23 58 48.6–.41 15.15N 97.05W 0 5.1,5.0b **¶612757070**
MOS VI 14 23 58 49.8–.95 15.23N 97.12W 16 5.7b,5.0s
NEIC VI 14 23 58 51.7 15.33N 96.89W 16 5.7b,5.0s
NEIC VI 14 23 58 51.7 15.33N 97.10W 16 5.7b,5.0s
MEX VI 14 23 58 52.7–.91 15.18N 97.41W 16–465 5.0,5.0s
NEIC VI 14 23 58 52.0–2.1 15.32N–.05 97.18W–.04 14–3 5.6b,5.5
GCMT VI 14 23 58 53.0–.10 15.33N–.01 97.13W–.01 13–0 5.5W,5.5
BGR VI 14 23 59 02.1 16.27N 96.05W 33 5.3b,5.0s
ISC Event type ke.
IDC Error ellipse: s-maj=15.4km s-min=9.5km az=56.0.
MOS Error ellipse: s-maj=7.2km s-min=4.2km az=98.3.
NEIC Event type se. Moment Tensor Solution.Duration: $3\overset{s}{.}1$ Moment tensor: Scale 10^{17}Nm;
M_{rr}-2.54 $M_{\theta\theta}$2.26 $M_{\phi\phi}$0.28 $M_{r\theta}$-0.58 $M_{\theta\phi}$0.76 $M_{\phi r}$-0.34 NP1:ϕ_s68.35000°,δ52.37000°
,λ-93.60000°. NP2:ϕ_s254.24000°,δ37.78000°,λ-85.34000°. Principal axes:
T 2.6025,Plg7.0000°,Azm161.0000°; N 0.0282,Plg3.0000°,Azm71.0000°
; P -2.6306,Plg82.0000°,Azm319.0000° $M_0$2.62000×10^{17}
NEIC Event type se.
MEX Error ellipse: s-maj=15.0km s-min=5.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=6.8km s-min=6.1km az=208.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function. Moment Tensor Solution. s127,c229; s146,c313;Duration: $1\overset{s}{.}4$
Moment tensor: Scale 10^{17}Nm; M_{rr}-2.36±.03 $M_{\theta\theta}$2.36±.03; $M_{\phi\phi}$0.00±.03; $M_{r\theta}$0.34±.06;
$M_{\theta\phi}$0.66±.02; $M_{\phi r}$-0.54±.07; Best double couple: NP1:ϕ_s269.00000°,δ49.00000°,λ-71.00000°.
NP2:ϕ_s61.00000°,δ45.00000°,λ-111.00000°. Principal axes: T 2.5410,Plg2.0000°
,Azm346.0000°; N -0.0210,Plg14.0000°,Azm76.0000°; P -2.5250,Plg75.0000°
,Azm247.0000° $M_0$2.53300×10^{17}
BGR Event type ke.

(68) Off coast of Chiapas.

ISC I 09 06 18 17.6–2.2 13.72N–.08 92.24W–.05 4–12 4.1b 68 1-146
GCG I 09 06 18 13.5–.40 13.82N 92.36W 139–16 4.0 **¶610236998**
IDC I 09 06 18 17.5–3.3 14.31N 90.99W 0 3.8,3.8b
MEX I 09 06 18 18.8–.36 13.51N 92.29W 31–97 4.2,3.8b
NEIC I 09 06 18 21.8–2.1 13.93N–.04 92.13W–.06 10–2 4.2,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 09 06 31 46.0–1.3 13.7N–.10 92.34W–.06 10 3.7b 20 1-146
IDC I 09 06 31 46.8–3.6 14.47N 91.12W 0 3.6,3.6b **¶610236999**
MEX I 09 06 31 46.9–.51 13.51N 92.39W 20–24 4.1,3.6b
GCG I 09 06 31 59.9–.36 14.44N 91.42W 0–32 4.2,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=190.3km s-min=71.6km az=58.0.
MEX Error ellipse: s-maj=7.8km s-min=13.4km az=-1.0.
GCG Error ellipse: s-maj=1.7km s-min=4.3km az=-1.0.
ISC I 09 09 03 12.8–1.2 13.60N–.09 92.26W–.06 10 3.6b,3.1s 22 1-146
MEX I 09 09 03 13.7–.53 13.49N 92.24W 10 4.2,3.1s **¶610237013**
IDC I 09 09 03 14.5–3.2 13.91N 92.77W 0 3.7,3.6b
GCG I 09 09 03 25.1–.54 14.30N 91.67W 50–102 3.9,3.6b
ISC Event type ke.
MEX Error ellipse: s-maj=10.5km s-min=14.6km az=-1.0.
IDC Error ellipse: s-maj=145.3km s-min=33.4km az=42.0.
GCG Error ellipse: s-maj=60.9km s-min=98.8km az=-1.0.
ISC I 30 10 59 05.1–2.0 13.8N–.30 92.4W–.30 10 3.6b 11 4-146
IDC I 30 10 59 01.4–3.2 13.49N 92.32W 0 3.5,3.5b **¶610235727**
ISC Event type ke.
IDC Error ellipse: s-maj=65.9km s-min=49.2km az=19.0.
ISC II 08 10 29 03.8–3.8 13.3N–.10 92.1W–.20 37 16 1-4
GCG II 08 10 29 02.8–.34 14.33N 92.19W 140–25 3.9 **¶612523309**
SNET II 08 10 29 06.6–1.1 13.57N 91.87W 28–14 3.0L
ISC Event type ke.
GCG Error ellipse: s-maj=144.1km s-min=35.3km az=-1.0.
SNET Error ellipse: s-maj=9.2km s-min=11.3km az=-1.0.
ISC II 19 00 28 54.5–1.7 13.7N–.20 92.14W–.07 35 3.8b 17 1-146
IDC II 19 00 28 50.6–2.7 14.34N 91.08W 0 3.9L,3.7b **¶610415786**
GCG II 19 00 28 54.9–2.8 14.05N 92.15W 24 4.1,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=127.7km s-min=47.5km az=50.0.
GCG Error ellipse: s-maj=165.6km s-min=86.8km az=-1.0.
ISC II 19 01 28 24.1–1.9 13.9N–.20 92.11W–.08 35 3.6b 15 1-146
IDC II 19 01 28 18.9–3.9 14.05N 91.64W 0 3.6b,3.6L **¶610415792**
GCG II 19 01 28 21.1–2.0 13.75N 92.12W 21 4.0,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=124.3km s-min=51.0km az=37.0.
GCG Error ellipse: s-maj=54.8km s-min=31.7km az=-1.0.
ISC II 24 11 49 53.8–1.3 13.03N–.09 92.22W–.06 10 3.6b 21 1-64
GCG II 24 11 49 49.2–.54 15.70N 92.64W 113–999 4.1 **¶610384935**
IDC II 24 11 49 54.5–7.1 13.47N 91.76W 0 3.6b,3.5
SNET II 24 11 49 56.5–1.2 13.34N 92.02W 10 4.0L,3.5
ISC Event type ke.
GCG Error ellipse: s-maj=637.3km s-min=129.0km az=-1.0.
IDC Error ellipse: s-maj=146.0km s-min=49.8km az=10.0.
SNET Error ellipse: s-maj=24.1km s-min=11.0km az=-1.0.
ISC III 13 21 04 02.4–1.4 13.94N–.05 92.22W–.04 12–8 4.7b,3.8s 483 1-146
IDC III 13 21 04 01.4–1.1 14.34N 91.59W 0 4.4,4.4b **¶610327612**
NEIC III 13 21 04 02.6–2.6 13.91N–.04 92.35W–.04 10–1 4.7b,4.5
MEX III 13 21 04 05.5–.53 14.08N 92.20W 89–14 4.5,4.5
SNET III 13 21 04 07.1–2.0 13.94N 91.96W 0–113 4.3L,4.5
GCG III 13 21 04 11.6–.34 14.35N 91.91W 60–63 4.5,4.5
ISC Event type se.
IDC Error ellipse: s-maj=54.0km s-min=18.0km az=46.0.
NEIC Event type se. Error ellipse: s-maj=7.1km s-min=6.2km az=264.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Error ellipse: s-maj=9.6km s-min=9.5km az=-1.0.
SNET Error ellipse: s-maj=42.1km s-min=95.7km az=-1.0.
GCG Error ellipse: s-maj=25.7km s-min=82.9km az=-1.0.
ISC III 15 02 04 35.6–2.1 13.8N–.20 92.06W–.09 46–22 22 1-51
GCG III 15 02 04 35.1–.69 13.70N 92.02W 66–139 3.7 **¶610546227**
IDC III 15 02 04 39.8–7.1 15.56N 91.34W 0 3.2b,3.2L
SNET III 15 02 04 40.9–.66 13.88N 91.59W 13–999 3.6L,3.2L
ISC Event type ke.
GCG Error ellipse: s-maj=112.8km s-min=44.0km az=-1.0.
IDC Error ellipse: s-maj=155.9km s-min=29.9km az=11.0.
SNET Error ellipse: s-maj=59.7km s-min=999.9km az=-1.0.
ISC III 19 02 29 42.3–2.0 13.9N–.20 92.20W–.06 50 13 1-51
GCG III 19 02 29 46.2–1.3 13.96N 91.86W 71–35 3.9 **¶610546487**
IDC III 19 02 29 46.6–9.1 14.68N 91.72W 52–69 3.3,3.3L
ISC Event type ke.
GCG Error ellipse: s-maj=23.6km s-min=11.8km az=-1.0.
IDC Error ellipse: s-maj=143.1km s-min=57.9km az=34.0.
ISC III 20 22 41 11.7–.92 14.77N–.04 94.29W–.03 23–6 4.8b,4.0s 763 1-145
IDC III 20 22 41 08.5–.63 14.83N 93.97W 0 4.5,4.5b **¶610394208**
GCMT III 20 22 41 11.9–.60 14.90N–.03 94.48W–.05 21–1 4.8W,4.5b
MEX III 20 22 41 11.0–.73 14.59N 94.32W 15–13 4.7,4.5b
NEIC III 20 22 41 11.9–2.4 14.87N–.06 94.22W–.04 20–5 4.8b,4.6
GCG III 20 22 41 15.5–1.9 15.09N 93.97W 41 4.9,4.6
ISC Event type se.
IDC Error ellipse: s-maj=22.2km s-min=10.3km az=45.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function. Moment Tensor Solution. s24,c25; s70,c82;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}2.01±.14 $M_{\theta\theta}$-1.14±.09; $M_{\phi\phi}$-0.87±.09; $M_{r\theta}$0.65±.14;
$M_{\theta\phi}$0.48±.06; $M_{\phi r}$-0.73±.20; Best double couple: NP1:ϕ_s132.00000°,δ59.00000°,λ94.00000°.
NP2:ϕ_s305.00000°,δ31.00000°,λ84.00000°. Principal axes: T 2.2660,Plg75.0000°
,Azm52.0000°; N -0.5230,Plg3.0000°,Azm310.0000°; P -1.7480,Plg14.0000°,Azm219.0000°
$M_0$2.00700×10^{16}
MEX Error ellipse: s-maj=9.7km s-min=6.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=5.8km az=193.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCG Error ellipse: s-maj=977.1km s-min=999.9km az=-1.0.
ISC III 21 05 56 38.9–1.4 13.88N–.07 92.44W–.03 44–13 4.4b,3.5s 127 1-146
IDC III 21 05 56 32.4–2.3 13.92N 91.59W 0 3.8,3.8b **¶610543384**
GCG III 21 05 56 37.4–2.5 13.72N 92.30W 38 4.1,3.8b
MEX III 21 05 56 37.6–.52 13.81N 92.28W 55–60 4.4,3.8b
NEIC III 21 05 56 39.0–2.9 13.85N–.07 92.39W–.06 37–7 4.4,4.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 24 10 09 32.3–2.0 13.91N–.07 92.41W–.04 4–12 3.7b,3.1s 34 1-146
IDC III 24 10 09 31.9–3.3 14.33N 91.66W 0 3.7b,3.6 **¶610543587**
MEX III 24 10 09 32.7–.74 13.63N 92.39W 16 4.1,3.6
GCG III 24 10 09 33.8–.92 14.03N 92.45W 82–29 4.0,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=119.2km s-min=47.9km az=37.0.
MEX Error ellipse: s-maj=6.3km s-min=10.1km az=-1.0.
GCG Error ellipse: s-maj=21.8km s-min=10.1km az=-1.0.
ISC IV 01 19 31 04.1–2.9 14.83N–.05 94.39W–.03 28–23 4.2b,3.8s 194 1-136
IDC IV 01 19 31 02.2–2.2 15.18N 93.89W 0 4.2L,4.0 **¶610470139**
MEX IV 01 19 31 03.5–.61 14.75N 94.42W 17–10 4.4,4.0
NEIC IV 01 19 31 03.1–2.8 14.97N–.06 94.32W–.04 10–1 4.4,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 08 15 16 19.2–2.9 14.75N–.06 94.30W–.03 0–18 3.6b 68 1-61
IDC IV 08 15 16 21.7–3.5 14.92N 94.26W 0 3.7L,3.5 **¶610652236**
MEX IV 08 15 16 24.1–.70 14.79N 94.30W 11–11 4.5,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=99.1km s-min=49.7km az=73.0.
MEX Error ellipse: s-maj=7.6km s-min=5.7km az=-1.0.
ISC IV 18 23 39 27.8–.44 13.79N–.04 92.04W–.05 47–3 4.8b,4.0s 650 1-160
SNET IV 18 23 39 23.4–.71 13.74N 92.06W 0–37 4.8L,4.0s **¶610532773**
GCMT IV 18 23 39 27.5–.50 13.71N–.03 92.10W–.04 26–0 4.9W,4.0s
BJI IV 18 23 39 28.0–.00 13.80N 92.00W 40 4.9s,4.6
NEIC IV 18 23 39 28.5–2.1 13.82N–.06 92.00W–.07 45–5 4.9b,4.6
IDC IV 18 23 39 30.8–2.8 13.95N 91.61W 65–24 4.5,4.2b
GCG IV 18 23 39 32.3–1.7 14.13N 91.86W 54–188 4.7,4.2b
INET IV 18 23 39 37.6–2.8 13.95N 91.17W 7 4.3W,4.2b
UCR IV 18 23 40 49.6–1.6 11.03N 86.46W 1–221 4.0W,4.2b
ISC Event type se.
SNET Error ellipse: s-maj=39.1km s-min=79.0km az=-1.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function. Moment Tensor Solution. s28,c31; s77,c94;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}2.39±.16 $M_{\theta\theta}$-1.66±.10; $M_{\phi\phi}$-0.73±.10; $M_{r\theta}$0.84±.15;
$M_{\theta\phi}$0.91±.06; $M_{\phi r}$0.16±.20; Best double couple: NP1:ϕ_s109.00000°,δ54.00000°,λ76.00000°.
NP2:ϕ_s312.00000°,δ38.00000°,λ108.00000°. Principal axes: T 2.5940,Plg76.0000°
,Azm334.0000°; N -0.2880,Plg11.0000°,Azm118.0000°; P -2.3060,Plg8.0000°
,Azm209.0000° $M_0$2.45000×10^{16}
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=7.8km az=47.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=22.8km s-min=10.2km az=56.0.
GCG Error ellipse: s-maj=235.9km s-min=327.1km az=-1.0.
INET Error ellipse: s-maj=18.2km s-min=22.9km az=-1.0.
UCR Error ellipse: s-maj=92.0km s-min=149.6km az=-1.0.
ISC IV 27 13 39 21.9–4.2 13.80N–.10 92.06W–.09 17–26 4.0b 26 1-146
IDC IV 27 13 39 22.7–2.5 14.52N 91.59W 0 3.8,3.8b **¶610650139**
SNET IV 27 13 39 24.1–1.0 13.84N 91.97W 54–29 4.5L,3.8b
GCG IV 27 13 39 29.0–1.9 14.20N 91.77W 50–203 4.2,3.8b
ISC Event type ke.
IDC Error ellipse: s-maj=106.4km s-min=26.3km az=39.0.
SNET Error ellipse: s-maj=15.8km s-min=11.7km az=-1.0.
GCG Error ellipse: s-maj=198.4km s-min=282.0km az=-1.0.
ISC V 10 08 05 41.3–.81 14.63N–.06 94.57W–.03 23 4.3b 95 2-145
IDC V 10 08 05 38.8–3.1 14.67N 94.48W 0 4.0b,3.9 **¶610689952**
MEX V 10 08 05 42.4–.51 14.62N 94.56W 10 4.1,3.9
NEIC V 10 08 05 43.6–2.9 14.65N–.08 94.54W–.05 35–13 4.7b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 11 04 14 30.8–3.2 14.79N–.06 94.52W–.03 29–28 3.6b 34 2-81
IDC V 11 04 14 30.9–4.3 15.35N 93.83W 0 3.7b,3.6 **¶610690020**
MEX V 11 04 14 30.3–.42 14.65N 94.54W 15 4.4,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=125.0km s-min=32.4km az=39.0.
MEX Error ellipse: s-maj=3.6km s-min=2.3km az=-1.0.
IDC V 13 20 48 23.4–3.5 13.78N 93.22W 0 3.6,3.6b
¶610690214
IDC Error ellipse: s-maj=128.5km s-min=63.9km az=58.0.
ISC V 15 08 38 58.7–1.5 13.9N–.10 92.18W–.06 35 3.6b 15 1-146
IDC V 15 08 38 54.3–3.5 14.51N 91.45W 0 3.5s,3.4 **¶610690328**
GCG V 15 08 39 02.8–1.4 14.23N 91.95W 50 4.1,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=120.2km s-min=40.2km az=32.0.
GCG Error ellipse: s-maj=25.7km s-min=11.2km az=-1.0.
ISC VI 05 18 01 05.5–3.5 13.72N–.05 92.73W–.04 11–22 4.5b,3.9s 292 1-146
MEX VI 05 18 01 05.6–.95 13.55N 92.65W 10 4.4,3.9s **¶610791294**
IDC VI 05 18 01 06.0–.98 14.09N 91.99W 0 4.2,4.2b
NEIC VI 05 18 01 06.6–2.7 13.88N–.05 92.59W–.05 10–1 4.5b,4.2b
GCG VI 05 18 01 21.1–.34 14.39N 91.76W 50–999 4.4,4.2b
ISC Event type se.
MEX Error ellipse: s-maj=15.8km s-min=21.1km az=-1.0.
IDC Error ellipse: s-maj=39.8km s-min=16.9km az=56.0.
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=8.5km az=250.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCG Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
ISC VI 05 18 56 42.7–3.5 13.8N–.10 92.69W–.08 11–18 21 1-146

IDC VI 05 18 56 40.4–3.6 13.71N 92.53W 0 4.0b,3.6 ¶610791296
MEX VI 05 18 56 41.1–.64 13.57N 92.84W 15 3.9,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=65.5km s-min=53.6km az=6.0.
MEX Error ellipse: s-maj=8.1km s-min=10.5km az=-1.0.
ISC VI 11 00 42 03.5–1.9 13.98N–.07 93.24W–.04 27–15 4.0b,3.4s 77 1-146
IDC VI 11 00 42 00.6–2.0 14.11N 93.07W 0 4.0,4.0b ¶610791624
MEX VI 11 00 42 03.5–.67 14.00N 93.36W 15 4.2,4.0b
NEIC VI 11 00 42 03.4–2.0 14.18N–.08 93.23W–.06 10–2 4.2,4.0b
GCG VI 11 00 42 10.0–1.7 14.48N 92.80W 14 4.1,4.0b
ISC Event type se.
IDC Error ellipse: s-maj=55.4km s-min=21.5km az=33.0.
MEX Error ellipse: s-maj=6.1km s-min=4.5km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=13.5km s-min=9.0km az=194.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCG Error ellipse: s-maj=43.5km s-min=19.1km az=-1.0.
ISC VI 13 04 37 22.1–1.1 13.85N–.04 92.35W–.03 5–6 4.9b,4.7s 712 1-148
IDC VI 13 04 37 21.4–.64 13.92N 92.13W 0 4.6s,4.2 ¶610671361
MEX VI 13 04 37 22.1–.25 13.55N 92.49W 10 5.2,4.2
NEIC VI 13 04 37 23.7–1.6 13.82N–.05 92.41W–.05 10–1 5.2,5.0b
GCMT VI 13 04 37 24.6–.20 13.67N–.01 92.75W–.01 12 5.2W,5.0b
SNET VI 13 04 37 28.8–.79 13.95N 92.06W 65 4.8L,5.0b
GCG VI 13 04 37 30.7–1.4 14.08N 92.17W 42 4.6,5.0b
ISC Event type se.
IDC Error ellipse: s-maj=23.3km s-min=10.5km az=60.0.
MEX Error ellipse: s-maj=2.4km s-min=4.2km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=8.0km az=218.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s82,c118; s118,c203;Duration: 1§0
Moment tensor: Scale 10^{17}Nm; M_{rr}0.57±.01 $M_{\theta\theta}$-0.43±.01; $M_{\phi\phi}$-0.14±.01; $M_{r\theta}$0.52±.03; $M_{\theta\phi}$0.17±.01; $M_{\phi r}$-0.51±.03; Best double couple: NP1:ϕ_s130.00000°,δ72.00000°,λ98.00000°. NP2:ϕ_s286.00000°,δ20.00000°,λ67.00000°. Principal axes: T 0.9510,Plg62.0000° ,Azm52.0000°; N -0.0970,Plg7.0000°,Azm307.0000°; P -0.8540,Plg27.0000°,Azm214.0000° $M_0$0.90200×10^{17}
SNET Error ellipse: s-maj=39.8km s-min=783.3km az=-1.0.
GCG Error ellipse: s-maj=13.3km s-min=29.5km az=-1.0.
ISC VI 13 08 43 50.2–.68 13.80N–.04 92.37W–.04 31–4 4.9b,4.3s 1035 1-148
MOS VI 13 08 43 46.8–.99 13.96N 92.22W 11 5.1b,4.3s ¶610671759
MEX VI 13 08 43 47.5–.47 13.52N 92.52W 15 4.6,4.3s
NEIC VI 13 08 43 49.1–2.9 13.89N–.04 92.33W–.06 10–1 5.0b,4.6
GCMT VI 13 08 43 50.2–.30 13.68N–.01 92.59W–.02 12–1 5.0W,4.6
GCG VI 13 08 43 52.2–.66 14.03N 92.18W 94 4.6,4.6
IDC VI 13 08 43 54.3–2.9 13.97N 91.84W 58–25 4.6,4.3s
ISC Event type se.
MOS Error ellipse: s-maj=11.5km s-min=6.1km az=101.6.
MEX Error ellipse: s-maj=6.7km s-min=9.6km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=5.8km az=257.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s46,c59; s86,c130;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}2.82±.15 $M_{\theta\theta}$-2.19±.10; $M_{\phi\phi}$-0.62±.09; $M_{r\theta}$2.31±.30; $M_{\theta\phi}$0.58±.06; $M_{\phi r}$-1.57±.32; Best double couple: NP1:ϕ_s119.00000°,δ69.00000°,λ96.00000°. NP2:ϕ_s282.00000°,δ22.00000°,λ74.00000°. Principal axes: T 4.0680,Plg66.0000° ,Azm40.0000°; N -0.5130,Plg6.0000°,Azm297.0000°; P -3.5510,Plg23.0000°,Azm204.0000° $M_0$3.81000×10^{16}
GCG Error ellipse: s-maj=32.0km s-min=28.2km az=-1.0.
IDC Error ellipse: s-maj=23.1km s-min=11.1km az=59.0.
ISC VI 13 14 03 16.2–.68 13.71N–.07 92.26W–.05 10 4.5b 113 1-146
IDC VI 13 14 03 14.3–1.3 13.65N 92.19W 0 4.0,4.0b ¶610672838
NEIC VI 13 14 03 17.2–1.9 13.75N–.06 92.25W–.07 10–1 4.5b,3.8
GCG VI 13 14 03 19.3–1.4 13.77N 92.29W 19 4.2,3.8
ISC Event type se.
IDC Error ellipse: s-maj=40.6km s-min=19.7km az=49.0.
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=10.4km az=287.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCG Error ellipse: s-maj=21.4km s-min=16.1km az=-1.0.
ISC VI 13 14 09 55.3–.88 13.78N–.09 92.25W–.08 35 4.4b,3.6s 61 1-146
GCG VI 13 14 09 49.7–2.2 13.64N 92.62W 22 4.0,3.6s ¶610791781
IDC VI 13 14 09 49.8–3.3 13.72N 92.07W 0 3.8,3.8b
NEIC VI 13 14 09 52.5–1.8 13.83N–.08 92.3W–.10 10–2 4.4b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 13 21 24 12.7–1.3 13.82N–.04 92.31W–.04 27–9 4.8b,4.5s 647 1-146
IDC VI 13 21 24 09.3–.62 13.87N 91.97W 0 4.5s,4.4 ¶610672999
BGR VI 13 21 24 10.6 13.90N 93.05W 33 5.1b,4.6s
MEX VI 13 21 24 10.2–.61 13.55N 92.53W 10 5.1,4.6s
NEIC VI 13 21 24 11.2–1.8 13.80N–.04 92.31W–.05 10–1 5.1,4.9b
GCMT VI 13 21 24 12.1–.20 13.70N–.01 92.66W–.02 12 5.1W,4.9b
GCG VI 13 21 24 16.3–1.6 13.85N 92.16W 51 4.6,4.9b
ISC Event type ke.
IDC Error ellipse: s-maj=25.9km s-min=11.3km az=58.0.
BGR Event type ke.
MEX Error ellipse: s-maj=8.6km s-min=16.1km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=8.6km s-min=7.4km az=281.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s74,c114; s116,c169;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}4.65±.08 $M_{\theta\theta}$-3.48±.07; $M_{\phi\phi}$-1.18±.09; $M_{r\theta}$2.56±.22; $M_{\theta\phi}$1.66±.07; $M_{\phi r}$-3.34±.27; Best double couple: NP1:ϕ_s133.00000°,δ67.00000°,λ102.00000°. NP2:ϕ_s286.00000°,δ26.00000°,λ65.00000°. Principal axes: T 6.4610,Plg66.0000° ,Azm64.0000°; N -0.6500,Plg11.0000°,Azm309.0000°; P -5.8210,Plg21.0000° ,Azm215.0000° $M_0$6.14100×10^{16}
GCG Error ellipse: s-maj=829.0km s-min=940.4km az=-1.0.
ISC VI 13 21 36 22.8–.80 13.69N–.08 92.32W–.06 10 4.0b 45 1-146
IDC VI 13 21 36 21.8–1.5 13.82N 92.03W 0 3.8,3.8b ¶610791802
NEIC VI 13 21 36 23.7–2.1 13.73N–.05 92.30W–.04 10–2 4.2b,3.8b
GCG VI 13 21 36 33.0–1.7 14.58N 92.12W 32 4.0,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=52.9km s-min=23.2km az=48.0.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=3.0km az=222.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCG Error ellipse: s-maj=65.5km s-min=785.2km az=-1.0.
ISC VI 14 02 32 46.9–.58 13.77N–.05 92.41W–.04 10 4.5b,3.8s 308 1-146
IDC VI 14 02 32 45.7–1.1 14.01N 91.94W 0 4.0,4.0b ¶610673011
NEIC VI 14 02 32 46.8–1.9 13.78N–.06 92.43W–.05 10–1 4.4,4.4b
MEX VI 14 02 32 48.0–.82 13.61N 92.49W 15 4.4,4.4b
GCG VI 14 02 32 53.2–1.6 14.17N 92.34W 23 4.5,4.4b
ISC Event type se.
IDC Error ellipse: s-maj=38.9km s-min=18.0km az=48.0.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=8.3km az=190.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Error ellipse: s-maj=8.5km s-min=12.8km az=-1.0.
GCG Error ellipse: s-maj=43.7km s-min=118.4km az=-1.0.
ISC VI 14 21 14 55.5–.36 13.92N–.04 92.37W–.04 36–1 5.0b,4.5s 1146 1-148
NEIC VI 14 21 14 52.5–2.2 13.95N–.04 92.38W–.05 10–1 5.1,5.1b ¶610674296
MEX VI 14 21 14 52.7–.90 13.83N 92.71W 92–47 5.2,5.1b
MOS VI 14 21 14 54.8–.99 14.08N 92.12W 39 5.2b,5.1b
INET VI 14 21 14 55.1–.80 13.82N 92.30W 8–10 4.8W,5.1b
BJI VI 14 21 14 55.0–.00 14.10N 92.30W 30 5.4b,5.3s
IDC VI 14 21 14 55.5–4.5 14.11N 91.96W 30–32 4.7,4.5s
GCMT VI 14 21 14 55.5–.30 13.86N–.01 92.65W–.02 13–0 5.1W,4.5s
SNET VI 14 21 14 56.6–1.5 13.64N 92.15W 15–999 4.6L,4.5s
BGR VI 14 21 14 56.3 14.09N 92.07W 33 5.1b,4.6s
GCG VI 14 21 14 57.6–.82 14.11N 92.18W 89 4.8,4.6s
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=8.2km s-min=6.3km az=123.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Error ellipse: s-maj=24.2km s-min=20.7km az=-1.0.
MOS Error ellipse: s-maj=10.1km s-min=4.9km az=111.2.
INET Error ellipse: s-maj=7.6km s-min=17.8km az=-1.0.
IDC Error ellipse: s-maj=19.0km s-min=9.7km az=53.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s70,c101; s110,c157;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}4.16±.16 $M_{\theta\theta}$-3.09±.10; $M_{\phi\phi}$-1.07±.11; $M_{r\theta}$2.47±.26; $M_{\theta\phi}$1.39±.07; $M_{\phi r}$-2.46±.30; Best double couple: NP1:ϕ_s128.00000°,δ66.00000°,λ98.00000°. NP2:ϕ_s289.00000°,δ26.00000°,λ72.00000°. Principal axes: T 5.5340,Plg68.0000° ,Azm54.0000°; N -0.5050,Plg8.0000°,Azm305.0000°; P -5.0290,Plg20.0000°,Azm212.0000° $M_0$5.28100×10^{16}
SNET Error ellipse: s-maj=100.5km s-min=999.9km az=-1.0.
BGR Event type ke.
GCG Error ellipse: s-maj=84.7km s-min=24.2km az=-1.0.
ISC VI 17 02 15 21.4–1.9 14.00N–.10 93.46W–.04 15–16 26 1-4
MEX VI 17 02 15 26.0–.60 14.11N 93.53W 15 4.0 ¶615144585
GCG VI 17 02 15 27.1–.48 15.05N 93.11W 129–13 4.0
ISC Event type ke.
MEX Error ellipse: s-maj=7.1km s-min=7.8km az=-1.0.
GCG Error ellipse: s-maj=24.9km s-min=9.7km az=-1.0.
ISC VI 17 06 19 52.5–2.8 13.7N–.10 92.74W–.09 16–15 14 1-4
MEX VI 17 06 19 56.0–.46 13.65N 92.35W 98–52 4.1 ¶615144592
GCG VI 17 06 20 02.1–.34 14.12N 92.25W 79–10 3.7
ISC Event type ke.
MEX Error ellipse: s-maj=25.5km s-min=23.0km az=-1.0.
GCG Error ellipse: s-maj=7.5km s-min=9.2km az=-1.0.
MEX VI 19 09 26 39.7–.61 13.92N 93.66W 15 4.0
¶615144686
MEX Error ellipse: s-maj=12.3km s-min=9.1km az=-1.0.
ISC VI 23 03 15 13.2–1.9 13.8N–.10 92.45W–.07 56–45 24 1-7
MEX VI 23 03 15 11.3–.29 13.66N 92.37W 92–18 4.2 ¶615144855
GCG VI 23 03 15 16.1–.33 14.21N 92.20W 98–3 3.9
ISC Event type ke.
MEX Error ellipse: s-maj=10.3km s-min=11.3km az=-1.0.
GCG Error ellipse: s-maj=4.7km s-min=2.6km az=-1.0.
ISC VI 25 20 47 19.0–2.8 13.94N–.09 92.18W–.05 13–15 25 1-5
GCG VI 25 20 47 29.6–.42 14.37N 91.65W 46–5 3.4 ¶615144974
MEX VI 25 20 47 46.4–18 14.91N 91.95W 4–999 3.9
ISC Event type ke.
GCG Error ellipse: s-maj=6.8km s-min=8.3km az=-1.0.
MEX Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.

(69) Near coast of Chiapas.

MEX I 02 02 07 46.6–.51 14.74N 93.00W 14–44 3.8
¶615175142
MEX Error ellipse: s-maj=41.0km s-min=20.7km az=-1.0.
ISC I 03 07 34 20.4–1.4 14.47N–.05 93.05W–.04 15–10 3.8b 169 1-62
IDC I 03 07 34 18.7–6.3 14.92N 92.25W 0 4.1L,3.7 ¶610236541
MEX I 03 07 34 23.8–.71 14.47N 93.06W 20–32 4.4,3.7
NEIC I 03 07 34 24.2–3.1 14.52N–.07 92.97W–.06 36–18 4.4,4.1b
SNET I 03 07 34 24.5–1.3 14.68N 92.74W 15–999 4.4L,4.1b
GCG I 03 07 34 31.8–.36 14.76N 92.34W 49–15 4.3,4.1b
ISC Event type se.
IDC Error ellipse: s-maj=147.1km s-min=56.5km az=19.0.
MEX Error ellipse: s-maj=6.0km s-min=5.1km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=7.8km az=176.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SNET Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
GCG Error ellipse: s-maj=8.7km s-min=4.3km az=-1.0.
ISC I 07 08 05 38.7–1.6 14.41N–.05 93.26W–.03 8–10 4.2b 151 1-145
IDC I 07 08 05 37.8–1.7 14.54N 92.89W 0 3.9,3.9L ¶610038915
MEX I 07 08 05 41.9–.71 14.47N 93.29W 6–14 4.5,3.9L
GCG I 07 08 05 41.5–.52 14.74N 93.29W 50 4.4,3.9L
NEIC I 07 08 05 43.5–2.9 14.43N–.07 93.20W–.05 37–14 4.4,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 12 15 27 50.3–2.9 14.6N–.10 92.38W–.09 25–20 16 1-3
MEX I 12 15 27 50.6–.36 14.39N 92.58W 14–108 3.9 ¶615175531
GCG I 12 15 27 54.0–.32 14.76N 92.14W 48–5 3.6
ISC Event type ke.
MEX Error ellipse: s-maj=91.6km s-min=13.5km az=-1.0.
GCG Error ellipse: s-maj=6.7km s-min=2.6km az=-1.0.
ISC I 16 06 30 25.0–1.6 14.92N–.07 92.76W–.06 86–14 20 0-3
MEX I 16 06 30 25.8–.72 14.92N 92.63W 97–10 3.9 ¶615175661
GCG I 16 06 30 26.2–.44 15.07N 92.71W 35–999 3.7
ISC Event type ke.
MEX Error ellipse: s-maj=8.2km s-min=8.1km az=-1.0.
GCG Error ellipse: s-maj=480.3km s-min=999.9km az=-1.0.
ISC I 16 16 07 21.0–1.8 14.47N–.08 92.79W–.05 27–14 26 1-3
MEX I 16 16 07 24.2–.54 14.44N 92.84W 16–63 4.1 ¶615175681
GCG I 16 16 07 33.1–.54 14.62N 92.15W 42–10 3.8
ISC Event type ke.
MEX Error ellipse: s-maj=56.5km s-min=16.1km az=-1.0.
GCG Error ellipse: s-maj=5.0km s-min=4.5km az=-1.0.
ISC I 17 00 48 50.6–2.3 14.16N–.08 92.95W–.05 5–12 3.5b 32 1-62
MEX I 17 00 48 53.1–.56 14.16N 93.00W 6–43 3.9 ¶610237552
IDC I 17 00 48 53.7–6.2 14.87N 92.36W 0 3.4b,3.3
GCG I 17 00 48 59.2–.50 14.40N 92.57W 43–56 3.8,3.3
ISC Event type ke.
MEX Error ellipse: s-maj=36.8km s-min=11.2km az=-1.0.
IDC Error ellipse: s-maj=158.9km s-min=50.5km az=25.0.
GCG Error ellipse: s-maj=12.2km s-min=4.6km az=-1.0.
ISC I 19 14 12 23.4–1.3 14.67N–.05 92.80W–.03 32–12 51 1-6
MEX I 19 14 12 25.7–.61 14.64N 92.76W 61–10 4.1 ¶612329419
SNET I 19 14 12 27.0–.98 14.61N 92.61W 43–39 3.7L
GCG I 19 14 12 39.0–.34 14.64N 91.70W 26–3 4.0
ISC Event type ke.
MEX Error ellipse: s-maj=7.5km s-min=7.2km az=-1.0.
SNET Error ellipse: s-maj=6.4km s-min=7.2km az=-1.0.
GCG Error ellipse: s-maj=3.3km s-min=7.1km az=-1.0.
ISC I 20 19 25 47.6–.82 15.33N–.05 93.74W–.03 66–10 4.0b 115 1-61
NEIC I 20 19 25 47.6–2.7 15.36N–.06 93.70W–.05 60–18 4.3,4.2b ¶610234957
MEX I 20 19 25 48.3–.44 15.34N 93.73W 70–7 4.4,4.2b
IDC I 20 19 25 51.1–3.1 15.83N 93.40W 76–37 3.9L,3.8
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=8.5km s-min=6.4km az=193.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Error ellipse: s-maj=4.2km s-min=2.9km az=-1.0.
IDC Error ellipse: s-maj=191.0km s-min=19.2km az=40.0.
ISC I 21 23 09 19.0–2.2 14.6N–.20 92.69W–.06 59–14 23 1-62
IDC I 21 23 09 05.0–7.4 14.02N 92.00W 0 3.5,3.5L ¶610235031
MEX I 21 23 09 20.7–.54 14.56N 92.75W 33–50 4.0,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=177.1km s-min=73.9km az=25.0.
MEX Error ellipse: s-maj=5.8km s-min=4.9km az=-1.0.
ISC I 30 14 58 16.4–1.0 15.69N–.05 93.97W–.03 61–12 42 1-49
IDC I 30 14 58 15.8–5.3 16.93N 93.38W 0 3.4b,3.3 ¶610235742
MEX I 30 14 58 17.3–.58 15.70N 93.97W 76–9 4.0,3.3
ISC Event type ke.
IDC Error ellipse: s-maj=98.0km s-min=20.6km az=169.0.
MEX Error ellipse: s-maj=6.1km s-min=4.2km az=-1.0.
ISC I 31 03 45 27.9–.96 15.68N–.04 93.97W–.03 64–13 81 1-21

MEX I 31 03 45 28.4–.63 15.66N 93.97W 80–9 4.1 ¶611148920
NEIC I 31 03 45 28.0–2.0 15.65N–.05 93.97W–.04 58–14 4.1,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 03 20 17 10.5–.73 14.62N–.04 92.67W–.04 62–7 4.6b 443 0-145
IDC II 03 20 17 08.9–1.9 14.63N 92.54W 46–18 4.7L,4.2 ¶610195870
GCG II 03 20 17 09.8–.64 14.82N 92.72W 27 5.1,4.2
NEIC II 03 20 17 11.5–2.3 14.70N–.06 92.66W–.04 62–6 5.3,4.6b
MEX II 03 20 17 11.1–.79 14.63N 92.66W 66–9 4.6,4.6b
SNET II 03 20 17 13.4–1.0 14.41N 92.49W 76–83 4.9L,4.6b
ISC Event type se. Moment Tensor Solution. NP1:ϕs323.97766°,δ67.62370°,λ-115.70147°. NP2: ϕs195.63509°,δ33.56918°,λ-43.50956°. Principal axes: T Plg18.6622°,Azm72.8632° ; N Plg23.6424°,Azm334.3605°; P Plg59.1331°,Azm197.2706°
IDC Error ellipse: s-maj=30.0km s-min=10.9km az=52.0.
GCG Error ellipse: s-maj=109.1km s-min=417.3km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=9.0km s-min=5.3km az=208.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Error ellipse: s-maj=4.8km s-min=5.4km az=-1.0.
SNET Error ellipse: s-maj=43.2km s-min=20.5km az=-1.0.
ISC II 05 20 22 44.0–2.1 14.10N–.08 93.23W–.04 1–12 3.4s 30 1-145
GCG II 05 20 22 31.4–.30 13.75N 94.32W 50 4.1 ¶610414907
MEX II 05 20 22 45.8–.79 13.99N 93.35W 33–999 4.1
IDC II 05 20 22 45.1–4.0 14.46N 92.56W 0 3.8b,3.7
ISC Event type ke.
GCG Error ellipse: s-maj=917.3km s-min=999.9km az=-1.0.
MEX Error ellipse: s-maj=9.3km s-min=13.2km az=-1.0.
IDC Error ellipse: s-maj=159.2km s-min=54.6km az=42.0.
ISC II 11 12 30 13.0–1.6 14.3N–.10 93.48W–.06 10 18 1-145
IDC II 11 12 30 11.9–3.6 14.49N 93.01W 0 3.6b,3.4 ¶610415316
MEX II 11 12 30 14.6–.42 14.19N 93.66W 11–31 4.1,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=135.2km s-min=54.7km az=47.0.
MEX Error ellipse: s-maj=24.5km s-min=9.9km az=-1.0.
ISC II 16 12 49 37.3–1.3 15.49N–.04 93.75W–.02 11–9 3.9b,3.2s 107 1-144
IDC II 16 12 49 29.3–3.9 15.24N 92.78W 0 3.7,3.7b ¶610415633
GCG II 16 12 49 42.3–2.2 15.94N 93.56W 40–999 4.4,3.7b
NEIC II 16 12 49 42.8–1.7 15.51N–.06 93.68W–.03 44–21 4.3,4.0b
SNET II 16 12 49 43.8–.89 15.59N 93.52W 33–999 4.3L,4.0b
MEX II 16 12 49 43.2–.73 15.48N 93.67W 72–7 4.3,4.0b
ISC Event type se.
IDC Error ellipse: s-maj=112.1km s-min=51.3km az=35.0.
GCG Error ellipse: s-maj=722.4km s-min=125.1km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=1.6km az=200.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SNET Error ellipse: s-maj=10.6km s-min=18.5km az=-1.0.
MEX Error ellipse: s-maj=6.6km s-min=7.6km az=-1.0.
ISC II 25 12 44 18.0–4.5 14.4N–.10 92.2W–.20 4–18 15 1-3
GCG II 25 12 44 20.5–1.0 13.74N 92.04W 56–84 3.6 ¶612523433
SNET II 25 12 44 20.1–.59 14.39N 92.15W 24–281 3.6L
ISC Event type ke.
GCG Error ellipse: s-maj=64.5km s-min=20.6km az=-1.0.
SNET Error ellipse: s-maj=134.4km s-min=150.7km az=-1.0.
ISC II 25 17 58 35.3–3.3 14.77N–.05 93.82W–.03 30–27 4.0b 135 1-145
IDC II 25 17 58 29.5–3.1 14.55N 93.86W 0 4.0b,3.9 ¶610385014
NEIC II 25 17 58 36.6–2.6 14.81N–.06 93.84W–.05 36–12 4.2,4.1b
MEX II 25 17 58 38.2–.75 14.83N 93.77W 13–20 4.2,4.1b
ISC Event type se.
IDC Error ellipse: s-maj=96.0km s-min=41.6km az=43.0.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=5.9km az=202.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Error ellipse: s-maj=11.9km s-min=14.1km az=-1.0.
MEX II 25 23 49 19.5–.35 14.89N 93.20W 76–18 4.0
¶615177299
MEX Error ellipse: s-maj=12.6km s-min=7.7km az=-1.0.
ISC III 01 05 04 20.1–1.7 14.63N–.07 93.17W–.04 11–10 36 1-50
IDC III 01 05 04 20.8–5.0 15.06N 92.67W 0 3.4b,3.3 ¶610545295
MEX III 01 05 04 21.9–.49 14.67N 93.10W 91–19 4.0,3.3
ISC Event type ke.
IDC Error ellipse: s-maj=159.4km s-min=28.3km az=35.0.
MEX Error ellipse: s-maj=16.0km s-min=12.3km az=-1.0.
ISC III 02 13 50 09.0–1.5 14.60N–.06 92.67W–.04 25–15 29 1-7
MEX III 02 13 50 09.9–.65 14.44N 92.69W 16–24 3.9 ¶615177492
GCG III 02 13 50 13.9–.32 14.92N 92.32W 41–15 4.0
ISC Event type ke.
MEX Error ellipse: s-maj=23.5km s-min=4.2km az=-1.0.
GCG Error ellipse: s-maj=8.3km s-min=3.5km az=-1.0.
ISC III 08 03 39 43.4–.35 15.82N–.03 93.51W–.03 103–3 4.7b 633 0-144
GCMT III 08 03 39 42.7–.40 15.93N–.03 93.48W–.03 110–5 4.9W ¶610273092
MEX III 08 03 39 44.8–.60 15.87N 93.58W 103–5 4.7
NEIC III 08 03 39 44.7–1.4 15.92N–.05 93.47W–.05 100–6 4.8b,4.7
IDC III 08 03 39 44.4–.62 16.04N 93.08W 106–4 4.4,4.0b
GCG III 08 03 39 45.4–2.6 16.02N 93.32W 105–999 4.9,4.0b
INET III 08 03 39 48.7–1.2 16.09N 92.80W 226–20 3.8W,4.0b
SNET III 08 03 39 53.2–3.2 16.01N 92.27W 158–27 4.8L,4.0b
ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s8,c10; s81,c102;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr-0.91±.10 Mθθ-0.94±.11; Mϕϕ1.86±.11; Mrθ0.98±.06; Mθϕ-1.47±.13; Mϕr-0.81±.07; Best double couple: NP1:ϕs300.00000°,δ78.00000° ,λ-141.00000°. NP2:ϕs200.00000°,δ52.00000°,λ-15.00000°. Principal axes: T 2.8370,Plg17.0000°,Azm65.0000°; N -0.8410,Plg49.0000°,Azm314.0000° ; P -1.9930,Plg36.0000°,Azm167.0000° M0 2.41500×10^{16}
MEX Error ellipse: s-maj=4.0km s-min=4.5km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=7.9km s-min=5.8km az=223.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=16.8km s-min=9.3km az=61.0.
GCG Error ellipse: s-maj=999.9km s-min=924.3km az=-1.0.
INET Error ellipse: s-maj=9.0km s-min=16.5km az=-1.0.
SNET Error ellipse: s-maj=73.1km s-min=46.1km az=-1.0.
ISC III 09 19 32 07.8–2.3 14.97N–.08 93.67W–.07 1–13 3.5b 18 1-61
IDC III 09 19 32 09.7–6.4 15.55N 93.11W 0 3.5L,3.4b ¶610545892
MEX III 09 19 32 11.9–.64 14.77N 93.75W 15 4.1,3.4b
ISC Event type ke.
IDC Error ellipse: s-maj=173.8km s-min=45.4km az=26.0.
MEX Error ellipse: s-maj=5.9km s-min=5.2km az=-1.0.
ISC III 10 16 55 28.8–2.0 14.6N–.30 93.7W–.50 36 3.8b 7 3-145
IDC III 10 16 55 22.9–3.6 14.52N 93.54W 0 3.6b,3.4 ¶610545974
ISC Event type ke.
IDC Error ellipse: s-maj=113.6km s-min=45.9km az=41.0.
ISC III 12 17 57 12.7–1.3 14.31N–.08 93.58W–.04 10 3.7b 25 1-60
MEX III 12 17 57 13.8–.54 14.08N 93.60W 10 4.1 ¶610546088
IDC III 12 17 57 20.4–7.6 15.56N 92.67W 0 3.6b,3.5
ISC Event type ke.
MEX Error ellipse: s-maj=6.2km s-min=5.6km az=-1.0.
IDC Error ellipse: s-maj=171.5km s-min=43.3km az=15.0.
ISC III 13 16 27 53.8–2.5 14.57N–.09 93.70W–.09 2–16 3.7b 21 1-62
IDC III 13 16 27 53.2–5.5 14.67N 93.26W 0 3.5b,3.4 ¶610546154
MEX III 13 16 27 55.7–.32 14.33N 93.87W 16–172 4.1,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=142.1km s-min=69.0km az=34.0.
MEX Error ellipse: s-maj=107.6km s-min=107.7km az=-1.0.
ISC III 13 21 15 56.7–3.1 14.1N–.10 92.33W–.07 17–15 20 1-4
MEX III 13 21 15 57.6–.42 14.14N 92.20W 84–13 4.0 ¶615177959
GCG III 13 21 15 58.5–.76 14.11N 92.24W 50–401 3.9
ISC Event type ke.
MEX Error ellipse: s-maj=10.8km s-min=9.1km az=-1.0.
GCG Error ellipse: s-maj=204.5km s-min=434.9km az=-1.0.
ISC III 13 21 37 31.1–2.4 14.16N–.09 92.36W–.06 2–14 20 1-4
GCG III 13 21 37 31.6–.36 14.05N 92.37W 76–12 3.7 ¶615177962
MEX III 13 21 37 34.3–.32 14.04N 92.35W 15 4.0
ISC Event type ke.
GCG Error ellipse: s-maj=8.7km s-min=9.0km az=-1.0.
MEX Error ellipse: s-maj=3.4km s-min=4.7km az=-1.0.
ISC III 13 22 56 21.5–3.1 14.05N–.06 92.47W–.05 8–22 4.0b 69 1-63
IDC III 13 22 56 17.3–4.0 13.88N 91.75W 0 3.7,3.7b ¶610546166
NEIC III 13 22 56 24.4–2.1 14.17N–.04 92.37W–.06 22–9 4.1,4.0b
MEX III 13 22 56 24.2–.57 14.09N 92.23W 74–22 4.1,4.0b
GCG III 13 22 56 31.2–.53 14.39N 91.84W 50–134 4.1,4.0b
ISC Event type se.
IDC Error ellipse: s-maj=147.0km s-min=22.6km az=37.0.
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=5.2km az=68.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Error ellipse: s-maj=12.4km s-min=11.4km az=-1.0.
GCG Error ellipse: s-maj=18.9km s-min=56.3km az=-1.0.
ISC III 14 15 33 14.7–2.2 14.41N–.08 92.81W–.05 24–16 25 1-5
MEX III 14 15 33 16.6–.41 14.45N 92.77W 67–47 4.2 ¶615177995
GCG III 14 15 33 18.1–.36 15.67N 91.90W 9–38 3.7
ISC Event type ke.
MEX Error ellipse: s-maj=24.7km s-min=16.1km az=-1.0.
GCG Error ellipse: s-maj=8.4km s-min=43.6km az=-1.0.
ISC III 20 19 28 55.2–1.7 14.83N–.06 93.52W–.04 11–12 46 1-50
IDC III 20 19 28 58.9–3.2 15.65N 93.13W 0 3.6,3.6L ¶610431543
MEX III 20 19 28 59.6–.68 15.00N 93.39W 89–20 4.3,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=122.2km s-min=27.1km az=36.0.
MEX Error ellipse: s-maj=18.2km s-min=14.2km az=-1.0.
ISC III 24 09 40 57.1–3.5 14.1N–.10 92.15W–.05 10–24 25 1-5
GCG III 24 09 40 55.2–.49 14.15N 92.22W 97–12 3.8 ¶615178363
MEX III 24 09 40 58.2–.46 13.98N 92.24W 10 3.9
ISC Event type ke.
GCG Error ellipse: s-maj=11.8km s-min=5.0km az=-1.0.
MEX Error ellipse: s-maj=6.0km s-min=12.4km az=-1.0.
ISC III 24 09 47 52.1–2.7 14.0N–.10 92.21W–.06 32–16 25 1-4
MEX III 24 09 47 48.9–.64 13.78N 92.16W 67–62 3.9 ¶615178364
GCG III 24 09 47 56.1–.63 14.31N 91.97W 49–10 3.7
ISC Event type ke.
MEX Error ellipse: s-maj=22.8km s-min=25.2km az=-1.0.
GCG Error ellipse: s-maj=6.9km s-min=6.1km az=-1.0.
ISC III 25 14 51 02.5–2.4 14.47N–.09 93.38W–.05 5–13 3.7b 25 1-62
IDC III 25 14 51 02.9–4.4 14.73N 93.13W 0 3.6b,3.5 ¶610543649
MEX III 25 14 51 05.4–.36 14.30N 93.44W 15 4.0,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=150.9km s-min=24.4km az=37.0.
MEX Error ellipse: s-maj=5.2km s-min=6.5km az=-1.0.
ISC III 29 21 13 56.1–2.4 14.1N–.10 92.74W–.07 15–17 17 1-5
MEX III 29 21 13 56.5–.45 13.88N 92.70W 16–95 4.1 ¶615178553
GCG III 29 21 14 08.1–.40 14.48N 91.95W 58–5 3.6
ISC Event type ke.
MEX Error ellipse: s-maj=80.7km s-min=11.9km az=-1.0.
GCG Error ellipse: s-maj=6.4km s-min=8.5km az=-1.0.
ISC III 31 09 58 04.9–.27 15.61N–.03 93.09W–.03 99–2 5.3b 1528 0-158
GCMT III 31 09 58 04.7–.20 15.66N–.01 93.16W–.01 94–1 5.3W ¶610465775
IDC III 31 09 58 05.1–.35 15.70N 92.81W 100–2 4.8,4.5b
NEIC III 31 09 58 05.7–1.9 15.64N–.04 93.15W–.05 92–3 5.4b,5.3
SNET III 31 09 58 05.8–.91 15.67N 93.05W 105–13 5.3L,5.3
MEX III 31 09 58 05.9–.69 15.59N 93.18W 102–6 5.3,5.3
MOS III 31 09 58 05.0–1.2 15.68N 93.01W 108 5.3b,5.3
NEIC III 31 09 58 06.9 15.73N 92.99W 102 5.3b,5.3
NEIC III 31 09 58 07 15.83N 93.08W 90 5.3b,5.3
GCG III 31 09 58 07.9–.67 15.64N 93.00W 25 5.1,5.3
NEIC III 31 09 58 07 15.73N 92.98W 90 5.1,5.3
ISC Event type se. Moment Tensor Solution. NP1:ϕs311.16592°,δ70.05290°,λ-120.90311°. NP2: ϕs191.48479°,δ36.23866°,λ-35.24680°. Principal axes: T Plg19.2138°,Azm63.7838° ; N Plg28.8669°,Azm322.7071°; P Plg54.2483°,Azm182.7358° Moment Tensor Solution. NP1:ϕs330.47253°,δ37.08130°,λ-79.35146°. NP2:ϕs137.21100°,δ53.66081°,λ-97.95029°. Principal axes: T Plg8.3436°,Azm232.8839°; N Plg6.3969°,Azm141.9418°; P Plg79.4584° ,Azm14.8948°
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s102,c149; s131,c222;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; Mrr-0.76±.01 Mθθ0.36±.02; Mϕϕ0.39±.02; Mrθ0.45±.01; Mθϕ-0.63±.01; Mϕr-0.07±.01; Best double couple: NP1:ϕs296.00000°,δ60.00000° ,λ-114.00000°. NP2:ϕs158.00000°,δ38.00000°,λ-55.00000°. Principal axes: T 1.0810,Plg12.0000°,Azm43.0000°; N -0.1470,Plg20.0000°,Azm309.0000° ; P -0.9340,Plg66.0000°,Azm161.0000° M0 1.00800×10^{17}
IDC Error ellipse: s-maj=13.5km s-min=6.4km az=56.0.
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=5.1km az=48.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; Mrr-1.02 Mθθ0.67 Mϕϕ0.36 Mrθ0.29 Mθϕ-0.59 Mϕr0.36 NP1:ϕs286.72000°,δ49.55000°,λ-120.14000°. NP2:ϕs148.54000°,δ48.85000° ,λ-59.51000°. Principal axes: T 1.1207,Plg0.0000°,Azm38.0000°; N 0.0915,Plg22.0000° ,Azm307.0000°; P -1.2122,Plg68.0000°,Azm128.0000° M0 1.17000×10^{17}
SNET Error ellipse: s-maj=9.8km s-min=15.4km az=-1.0.
MEX Error ellipse: s-maj=4.4km s-min=6.0km az=-1.0.
MOS Error ellipse: s-maj=9.4km s-min=4.5km az=114.0.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2s1 Moment tensor: Scale 10^{16}Nm; Mrr-7.72 Mθθ4.49 Mϕϕ3.23 Mrθ2.94 Mθϕ-3.71 Mϕr-0.57 NP1:ϕs300.39000°,δ55.20000° ,λ-101.22000°. NP2:ϕs139.55000°,δ36.35000°,λ-74.37000°. Principal axes: T 8.0627,Plg10.0000°,Azm38.0000°; N 0.3375,Plg9.0000°,Azm307.0000° ; P -8.4002,Plg77.0000°,Azm174.0000° M0 8.23000×10^{16}
GCG Error ellipse: s-maj=181.1km s-min=21.4km az=-1.0.
NEIC Event type se.
ISC IV 03 10 28 36.1–1.9 14.59N–.05 92.97W–.03 34–5 3.6b 146 1-62
IDC IV 03 10 28 34.9–2.4 15.45N 92.38W 0 4.1L,3.5 ¶610651832
NEIC IV 03 10 28 36.9–2.5 14.65N–.07 92.94W–.04 34–3 4.6,4.1b
MEX IV 03 10 28 36.1–.80 14.52N 93.05W 22–31 4.6,4.1b
GCG IV 03 10 28 40.1–.83 14.78N 92.55W 50–52 4.3,4.1b
ISC Event type se.
IDC Error ellipse: s-maj=85.1km s-min=17.9km az=33.0.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=4.8km az=198.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Error ellipse: s-maj=6.5km s-min=6.0km az=-1.0.
GCG Error ellipse: s-maj=17.6km s-min=7.6km az=-1.0.
ISC IV 11 14 08 46.8–2.0 14.39N–.08 93.09W–.04 14–11 29 1-5
MEX IV 11 14 08 49.9–.80 14.39N 93.10W 68–95 4.0 ¶615178997
GCG IV 11 14 08 51.5–.69 14.45N 92.75W 103–23 3.9
ISC Event type ke.
MEX Error ellipse: s-maj=34.4km s-min=23.4km az=-1.0.
GCG Error ellipse: s-maj=25.6km s-min=10.2km az=-1.0.
ISC IV 12 17 12 27.8–1.9 14.3N–.20 92.06W–.09 50 12 0-146
IDC IV 12 17 12 22.4–4.0 14.43N 91.87W 0 3.6L,3.5b ¶610652570
GCG IV 12 17 12 27.8–.41 14.29N 91.90W 62–9 3.9,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=146.5km s-min=43.3km az=37.0.
GCG Error ellipse: s-maj=7.6km s-min=3.5km az=-1.0.
ISC IV 14 23 54 43.2–1.8 14.63N–.09 92.24W–.08 60–10 21 0-2
MEX IV 14 23 54 41.3–.75 14.63N 92.24W 86–12 3.9 ¶615179135
GCG IV 14 23 54 42.5–.66 14.66N 92.20W 60–7 3.5
ISC Event type ke.
MEX Error ellipse: s-maj=19.6km s-min=34.5km az=-1.0.
GCG Error ellipse: s-maj=7.4km s-min=5.9km az=-1.0.
ISC IV 17 15 21 59.8–1.5 14.15N–.09 92.43W–.05 51–16 41 1-146
IDC IV 17 15 21 50.9–4.2 13.92N 91.87W 0 3.7L,3.6 ¶610652932
MEX IV 17 15 22 00.3–.51 14.29N 92.22W 85–12 4.2,3.6

GCG IV 17 15 22 01.0–.65 14.18N 92.17W 84–16 4.0,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=158.4km s-min=56.7km az=43.0.
MEX Error ellipse: s-maj=10.9km s-min=10.3km az=-1.0.
GCG Error ellipse: s-maj=15.5km s-min=6.7km az=-1.0.
ISC IV 20 13 14 46.3–2.0 14.3N–.10 92.13W–.07 51–18 25 1-5
MEX IV 20 13 14 42.5–.88 14.04N 92.21W 86–13 4.1 **¶615142202**
GCG IV 20 13 14 48.1–.56 14.41N 92.00W 44–6 3.5
ISC Event type ke.
MEX Error ellipse: s-maj=10.4km s-min=11.8km az=-1.0.
GCG Error ellipse: s-maj=4.2km s-min=5.4km az=-1.0.
ISC IV 28 15 56 00.2–1.1 14.01N–.09 92.17W–.05 22–5 35 1-146
IDC IV 28 15 55 57.4–3.3 14.14N 92.03W 0 3.6L,3.4 **¶610650228**
MEX IV 28 15 56 00.7–.83 13.91N 92.07W 52–32 4.4,3.4
GCG IV 28 15 56 00.9–1.4 14.17N 92.19W 72–32 3.9,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=116.0km s-min=43.6km az=42.0.
MEX Error ellipse: s-maj=12.1km s-min=20.4km az=-1.0.
GCG Error ellipse: s-maj=35.2km s-min=14.8km az=-1.0.
ISC IV 29 07 42 42.7–3.3 14.55N–.08 93.99W–.04 4–22 3.9b 39 1-85
IDC IV 29 07 42 46.3–5.1 15.26N 93.22W 0 3.8b,3.7 **¶610650291**
MEX IV 29 07 42 46.5–.42 14.49N 94.02W 25–17 4.1,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=147.5km s-min=35.4km az=30.0.
MEX Error ellipse: s-maj=3.5km s-min=2.9km az=-1.0.
ISC V 13 07 38 13.5–1.5 14.81N–.06 92.79W–.03 7–12 42 1-7
MEX V 13 07 38 17.2–1.1 14.80N 92.60W 82–10 4.2 **¶615142999**
GCG V 13 07 38 19.7–.31 15.01N 92.46W 18–2 3.9
ISC Event type ke.
MEX Error ellipse: s-maj=8.7km s-min=7.8km az=-1.0.
GCG Error ellipse: s-maj=8.0km s-min=3.0km az=-1.0.
ISC V 13 12 03 37.7–.69 14.67N–.05 92.71W–.03 47–8 3.7b 129 0-145
IDC V 13 12 03 29.1–1.0 14.84N 91.91W 0 3.9,3.8b **¶610690192**
GCG V 13 12 03 34.9–.67 14.95N 92.76W 21–7 4.5,3.8b
MEX V 13 12 03 38.8–.74 14.71N 92.58W 73–9 4.4,3.8b
NEIC V 13 12 03 39.7–3.7 14.74N–.05 92.57W–.06 53–15 4.4,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 14 03 27 44.4–3.2 14.50N–.07 93.79W–.04 8–21 3.8b,2.9s 52 1-85
IDC V 14 03 27 44.5–4.5 14.75N 93.35W 0 3.8L,3.7b **¶610690241**
MEX V 14 03 27 47.6–.60 14.40N 93.85W 15 4.2,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=114.5km s-min=46.8km az=28.0.
MEX Error ellipse: s-maj=6.1km s-min=6.7km az=-1.0.
ISC V 17 11 49 20.5–1.7 14.99N–.06 93.05W–.04 12–13 28 1-4
MEX V 17 11 49 24.7–.69 14.99N 92.97W 72–8 4.2 **¶615143179**
GCG V 17 11 49 25.9–.75 14.73N 92.94W 32–999 4.0
ISC Event type ke.
MEX Error ellipse: s-maj=8.4km s-min=6.3km az=-1.0.
GCG Error ellipse: s-maj=163.0km s-min=999.9km az=-1.0.
GCG V 19 07 31 42.8–1.3 14.72N 92.19W 49–31 3.8
SNET V 19 07 31 44.1–.52 14.15N 91.99W 13–999 3.3L **¶612524263**
GCG Error ellipse: s-maj=12.8km s-min=24.8km az=-1.0.
SNET Error ellipse: s-maj=118.4km s-min=974.8km az=-1.0.
ISC V 19 15 13 10.3–2.1 14.7N–.50 93.5W–.70 36 3.8b 7 3-145
IDC V 19 15 13 04.0–3.4 14.58N 93.37W 0 3.7b,3.6 **¶610690678**
ISC Event type ke.
IDC Error ellipse: s-maj=136.1km s-min=55.0km az=51.0.
ISC V 25 08 14 25.4–1.3 14.76N–.06 92.66W–.04 78–9 62 0-8
GCG V 25 08 14 13.2–.60 14.19N 91.12W 178–9 3.9 **¶612334441**
MEX V 25 08 14 26.1–.70 14.71N 92.57W 86–7 4.2
SNET V 25 08 14 28.1–.74 14.89N 92.40W 79–75 3.5L
ISC Event type ke.
GCG Error ellipse: s-maj=28.0km s-min=10.1km az=-1.0.
MEX Error ellipse: s-maj=7.5km s-min=6.6km az=-1.0.
SNET Error ellipse: s-maj=40.7km s-min=24.1km az=-1.0.
ISC V 26 11 14 29.6–.74 15.32N–.04 93.19W–.03 75–7 4.0b 158 0-84
MEX V 26 11 14 29.9–.63 15.29N 93.17W 88–5 4.4 **¶610685429**
NEIC V 26 11 14 30.4–2.4 15.29N–.06 93.20W–.03 70–7 4.4,4.0b
IDC V 26 11 14 31.6–6.3 15.56N 93.05W 85–26 3.9,3.4b
GCG V 26 11 14 37.0–.36 15.38N 90.54W 35–999 4.2,3.4b
ISC Event type se.
MEX Error ellipse: s-maj=6.6km s-min=6.2km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=3.5km az=192.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=82.1km s-min=21.4km az=165.0.
GCG Error ellipse: s-maj=5.9km s-min=3.9km az=-1.0.
ISC V 28 17 27 50.7–1.6 14.05N–.06 92.95W–.05 24–12 4.4b,3.8s 163 1-146
IDC V 28 17 27 48.5–1.3 14.06N 92.75W 0 4.1,4.1L **¶610655167**
NEIC V 28 17 27 49.3–2.9 14.10N–.06 92.88W–.08 10–1 4.4,4.3b
MEX V 28 17 27 52.7–.50 14.00N 93.13W 15 4.3,4.3b
GCG V 28 17 28 12.2–.34 14.52N 91.64W 29–3 4.4,4.3b
ISC Event type se.
IDC Error ellipse: s-maj=36.9km s-min=22.8km az=50.0.
NEIC Event type se. Error ellipse: s-maj=15.2km s-min=7.4km az=239.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Error ellipse: s-maj=5.1km s-min=3.4km az=-1.0.
GCG Error ellipse: s-maj=2.5km s-min=5.4km az=-1.0.
ISC V 28 17 31 34.0–2.1 14.17N–.06 93.02W–.04 16–13 4.1b 76 1-145
IDC V 28 17 31 31.9–1.3 14.18N 92.82W 0 3.9L,3.8 **¶610685562**
NEIC V 28 17 31 32.3–3.1 14.08N–.07 93.08W–.05 10–2 4.3b,4.0
MEX V 28 17 31 34.5–.39 13.99N 93.16W 18–25 4.0,4.0
GCG V 28 17 31 49.7–.34 14.54N 91.99W 55–101 4.2,4.0
ISC Event type se.
IDC Error ellipse: s-maj=38.1km s-min=18.4km az=44.0.
NEIC Event type se. Error ellipse: s-maj=12.3km s-min=7.4km az=160.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Error ellipse: s-maj=5.0km s-min=4.3km az=-1.0.
GCG Error ellipse: s-maj=10.8km s-min=156.2km az=-1.0.
ISC V 30 06 02 16.2–2.2 14.23N–.08 93.36W–.05 7–11 37 1-51
MEX V 30 06 02 16.7–.56 13.83N 93.45W 16–34 4.1 **¶610685695**
IDC V 30 06 02 17.9–4.4 14.38N 93.33W 0 3.7L,3.5
GCG V 30 06 02 21.9–.70 14.59N 93.15W 62–28 3.8,3.5
ISC Event type ke.
MEX Error ellipse: s-maj=30.7km s-min=10.1km az=-1.0.
IDC Error ellipse: s-maj=62.2km s-min=37.7km az=174.0.
GCG Error ellipse: s-maj=15.4km s-min=7.6km az=-1.0.
ISC V 30 21 53 19.6–.70 14.20N–.03 92.91W–.03 11–4 5.2b,5.1s 1421 1-160
INET V 30 21 52 54.4–.42 14.69N 94.97W 10 4.2W,5.1s **¶610656201**
IDC V 30 21 53 17.4–.37 14.17N 92.81W 0 5.0s,4.8
MOS V 30 21 53 18.5–1.1 14.19N 92.87W 12 5.3b,5.1s
MEX V 30 21 53 18.8–.73 13.96N 93.19W 5 5.3,5.1s
NEIC V 30 21 53 20.6–2.0 14.24N–.06 92.96W–.06 10–1 5.3,5.3
NEIC V 30 21 53 20.3 14.17N 92.99W 16 5.3,5.3
NEIC V 30 21 53 20.3 14.17N 92.99W 16 5.3,5.3
BGR V 30 21 53 23.4 14.14N 92.98W 33 5.2s,5.0b
GCMT V 30 21 53 23.6–.10 14.19N–.01 93.19W–.01 12 5.4W,5.0b
GCG V 30 21 53 23.4–1.3 14.27N 92.98W 39 5.1,5.0b
ISC Event type ke.
INET Error ellipse: s-maj=29.1km s-min=174.3km az=-1.0.
IDC Error ellipse: s-maj=14.9km s-min=7.2km az=55.0.
MOS Error ellipse: s-maj=6.4km s-min=4.2km az=95.6.
MEX Error ellipse: s-maj=10.7km s-min=9.3km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=8.0km az=233.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se.

NEIC Event type se. Moment Tensor Solution.Duration: 2s0 Moment tensor: Scale 10^{17}Nm;
Mrr0.45 Mθθ-0.58 Mϕϕ0.13 Mrθ1.17 Mθϕ0.15 Mϕr-0.27 NP1:ϕs103.17000°,δ78.09000°
,λ91.23000°. NP2:ϕs277.21000°,δ11.98000°,λ84.17000°. Principal axes:
T 1.2308,Plg57.0000°,Azm15.0000°; N 0.1621,Plg1.0000°,Azm283.0000°
; P -1.3929,Plg33.0000°,Azm192.0000° M0 1.31000×10^{17}
BGR Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function. Moment Tensor Solution. s110,c174; s117,c204;Duration: 1s2
Moment tensor: Scale 10^{17}Nm; Mrr0.48±.01 Mθθ-0.60±.01; Mϕϕ0.12±.01; Mrθ1.02±.03;
Mθϕ0.16±.01; Mϕr-0.85±.03; Best double couple: NP1:ϕs128.00000°,δ80.00000°,λ103.00000°.
NP2:ϕs255.00000°,δ16.00000°,λ39.00000°. Principal axes: T 1.4460,Plg53.0000°
,Azm53.0000°; N 0.0040,Plg12.0000°,Azm305.0000°; P -1.4500,Plg34.0000°,Azm207.0000°
M0 1.44800×10^{17}
GCG Error ellipse: s-maj=290.2km s-min=999.9km az=-1.0.
ISC V 30 22 01 53.5–1.9 14.26N–.06 93.03W–.06 7–11 3.8b 45 1-62
IDC V 30 22 01 53.9–1.4 15.06N 91.92W 0 3.8,3.8b **¶610685749**
GCG V 30 22 01 54.3–2.4 14.03N 93.07W 5–999 4.9,3.8b
NEIC V 30 22 01 56.1–2.2 14.41N–.06 92.86W–.08 10–1 4.6,4.2b
MEX V 30 22 01 57.7–1.3 14.23N 93.24W 16–999 4.6,4.2b
ISC Event type se.
IDC Error ellipse: s-maj=45.5km s-min=17.3km az=42.0.
GCG Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=14.7km s-min=7.4km az=230.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Error ellipse: s-maj=47.0km s-min=29.4km az=-1.0.
ISC V 30 22 03 02.0–.83 14.21N–.07 93.13W–.06 10 4.1b 34 1-145
IDC V 30 22 03 01.1–1.6 14.45N 92.35W 0 4.0b,3.9 **¶610685751**
MEX V 30 22 03 02.5–.69 14.23N 93.44W 16–285 4.2,3.9
NEIC V 30 22 03 03.4–2.4 14.07N–.06 92.99W–.06 10–2 4.2b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 31 05 17 21.7–.99 14.15N–.03 92.88W–.03 15–5 5.3b,5.0s 1110 1-160
IDC V 31 05 17 19.5–.43 14.29N 92.63W 0 4.8s,4.8 **¶610656219**
MEX V 31 05 17 21.6–.85 13.99N 93.09W 13–85 5.2,4.8
NEIC V 31 05 17 22.3–2.4 14.18N–.04 92.92W–.05 10–1 5.4,5.3b
NEIC V 31 05 17 22.3 14.37N 92.89W 18 5.4,5.3b
NEIC V 31 05 17 22.3 14.17N 92.89W 18 5.4,5.3b
MOS V 31 05 17 24.2–1.2 14.30N 92.76W 38 5.3b,5.1s
GCMT V 31 05 17 24.3–.10 14.25N–.01 93.27W–.01 12 5.4W,5.1s
GCG V 31 05 17 27.2–.78 14.35N 92.73W 55 4.9,5.1s
BGR V 31 05 17 28.1 14.15N 91.90W 33 5.5,5.3b
UCR V 31 05 17 28.7–1.2 14.78N 92.19W 20–999 5.4b,4.1W
ISC Event type ke.
IDC Error ellipse: s-maj=18.8km s-min=7.9km az=57.0.
MEX Error ellipse: s-maj=72.3km s-min=23.0km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=6.5km az=130.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution.Duration: 2s6 Moment tensor: Scale 10^{17}Nm;
Mrr1.38 Mθθ-0.86 Mϕϕ-0.53 Mrθ0.42 Mθϕ0.54 Mϕr-0.44 NP1:ϕs130.33000°,δ57.36000°
,λ93.73000°. NP2:ϕs303.44000°,δ32.83000°,λ84.20000°. Principal axes:
T 1.5216,Plg77.0000°,Azm52.0000°; N -0.1295,Plg3.0000°,Azm308.0000°
; P -1.3921,Plg12.0000°,Azm218.0000° M0 1.46000×10^{17}
NEIC Event type se.
MOS Error ellipse: s-maj=9.3km s-min=5.5km az=104.1.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function. Moment Tensor Solution. s124,c211; s132,c259;Duration: 1s2
Moment tensor: Scale 10^{17}Nm; Mrr1.13±.01 Mθθ-0.71±.01; Mϕϕ-0.42±.01; Mrθ0.71±.03;
Mθϕ0.51±.01; Mϕr-0.89±.04; Best double couple: NP1:ϕs137.00000°,δ68.00000°,λ97.00000°.
NP2:ϕs299.00000°,δ23.00000°,λ73.00000°. Principal axes: T 1.6230,Plg66.0000°
,Azm59.0000°; N -0.0700,Plg6.0000°,Azm314.0000°; P -1.5550,Plg23.0000°,Azm222.0000°
M0 1.58900×10^{17}
GCG Error ellipse: s-maj=24.7km s-min=8.1km az=-1.0.
BGR Event type ke.
UCR Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
ISC V 31 07 20 42.7–1.4 14.24N–.05 92.98W–.03 12–9 4.1b,3.7s 116 1-145
MEX V 31 07 20 37.2–.66 13.61N 92.89W 14–263 4.4,3.7s **¶610685775**
IDC V 31 07 20 40.9–1.3 14.16N 92.91W 0 4.0,4.0L
NEIC V 31 07 20 44.0–2.8 14.36N–.04 92.95W–.06 10–2 4.2,4.1b
GCG V 31 07 20 49.4–2.5 14.38N 92.72W 16 4.2,4.1b
ISC Event type se.
MEX Error ellipse: s-maj=220.3km s-min=43.0km az=-1.0.
IDC Error ellipse: s-maj=44.7km s-min=16.4km az=45.0.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=5.6km az=241.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCG Error ellipse: s-maj=88.6km s-min=47.6km az=-1.0.
ISC V 31 08 11 52.2–1.7 14.23N–.07 92.98W–.04 8–11 3.7b 36 1-52
IDC V 31 08 11 45.8–5.1 13.82N 92.53W 0 3.8b,3.6s **¶610685780**
MEX V 31 08 11 53.9–.83 14.20N 93.14W 5–153 3.7,3.6s
GCG V 31 08 12 01.4–3.7 14.45N 92.64W 49 4.0,3.6s
ISC Event type ke.
IDC Error ellipse: s-maj=166.7km s-min=26.3km az=33.0.
MEX Error ellipse: s-maj=116.8km s-min=70.2km az=-1.0.
GCG Error ellipse: s-maj=142.6km s-min=98.1km az=-1.0.
ISC VI 01 01 01 26.8–2.0 14.0N–.20 93.0W–.10 37 3.9b 9 4-146
IDC VI 01 01 01 22.4–2.8 14.15N 92.93W 0 3.9,3.9L **¶610791025**
ISC Event type ke.
IDC Error ellipse: s-maj=54.7km s-min=40.9km az=27.0.
ISC VI 01 04 44 19.2–2.1 14.04N–.08 92.66W–.05 8–13 27 1-6
MEX VI 01 04 44 21.3–.59 13.93N 92.64W 10–64 4.1 **¶615143801**
GCG VI 01 04 44 26.2–.37 14.41N 92.52W 48–19 3.7
ISC Event type ke.
MEX Error ellipse: s-maj=57.6km s-min=10.4km az=-1.0.
GCG Error ellipse: s-maj=7.9km s-min=4.2km az=-1.0.
ISC VI 01 07 51 37.3–1.2 15.27N–.05 93.24W–.03 72–11 54 0-6
MEX VI 01 07 51 37.7–.53 15.22N 93.22W 82–6 4.2 **¶615143810**
GCG VI 01 07 51 42.3–.33 15.16N 93.00W 56–45 4.0
ISC Event type ke.
MEX Error ellipse: s-maj=4.0km s-min=3.5km az=-1.0.
GCG Error ellipse: s-maj=8.0km s-min=11.0km az=-1.0.
ISC VI 03 13 05 33.3–2.2 14.05N–.08 92.76W–.06 29–15 3.9b,3.1s 37 1-146
MEX VI 03 13 05 27.7–.34 13.61N 92.94W 15 4.1,3.1s **¶610791174**
IDC VI 03 13 05 29.6–1.1 14.08N 92.78W 0 3.9b,3.8
ISC Event type ke.
MEX Error ellipse: s-maj=9.2km s-min=15.2km az=-1.0.
IDC Error ellipse: s-maj=45.2km s-min=17.0km az=52.0.
ISC VI 04 04 28 02.9–2.2 14.3N–.10 93.13W–.04 4–12 3.0s 36 1-60
IDC VI 04 04 28 01.5–4.2 14.20N 93.00W 0 3.8,3.7b **¶610791212**
MEX VI 04 04 28 03.2–.35 14.01N 93.23W 15 4.3,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=62.4km s-min=37.9km az=174.0.
MEX Error ellipse: s-maj=4.5km s-min=3.3km az=-1.0.
ISC VI 05 15 25 30.8–2.3 14.52N–.08 93.88W–.04 7–13 3.6b,3.4s 30 1-85
IDC VI 05 15 25 31.4–3.6 14.63N 93.75W 0 3.7L,3.5 **¶610791287**
MEX VI 05 15 25 32.5–.76 14.24N 93.94W 15 4.2,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=60.8km s-min=44.8km az=21.0.
MEX Error ellipse: s-maj=8.8km s-min=5.4km az=-1.0.
ISC VI 07 16 23 58.0–.89 14.03N–.08 92.67W–.05 10 4.2b 40 1-146
IDC VI 07 16 23 56.2–1.5 13.93N 92.56W 0 4.0L,3.9 **¶610791413**
NEIC VI 07 16 23 58.9–2.5 14.09N–.05 92.56W–.05 10–1 4.3b,3.9
GCG VI 07 16 24 00.0–.73 14.00N 92.85W 50–860 4.5,3.9
ISC Event type se.
IDC Error ellipse: s-maj=54.4km s-min=24.0km az=55.0.
NEIC Event type se. Error ellipse: s-maj=8.6km s-min=8.1km az=31.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCG Error ellipse: s-maj=139.9km s-min=30.4km az=-1.0.

ISC VI 09 02 56 43.1–3.6 14.5N–.10 93.86W–.06 10–18 20 1-145
IDC VI 09 02 56 41.5–3.3 14.47N 93.66W 0 3.6,3.5b ¶610791495
MEX VI 09 02 56 44.7–.59 14.31N 93.85W 42–264 4.0,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=56.9km s-min=37.1km az=164.0.
MEX Error ellipse: s-maj=17.7km s-min=11.6km az=-1.0.
ISC VI 10 18 47 32.2–.73 14.21N–.03 93.13W–.03 24–4 5.1s,5.1b 1271 1-153
SNET VI 10 18 47 24.1–1.6 14.02N 93.78W 87–348 5.1L,5.1b ¶610669498
IDC VI 10 18 47 29.2–.49 14.29N 92.87W 0 5.0s,4.9L
MOS VI 10 18 47 31.9–1.3 14.31N 92.96W 27 5.2b,5.2s
MEX VI 10 18 47 31.5–1.1 14.02N 93.25W 10–28 5.5,5.2s
NEIC VI 10 18 47 31.1–1.8 14.32N–.03 93.02W–.04 10–1 5.5,5.5
GCMT VI 10 18 47 34.1–.10 14.22N–.01 93.39W–.01 12 5.5W,5.5
GCG VI 10 18 47 34.3–1.8 14.39N 92.95W 5 5.1,5.5
NEIC VI 10 18 47 35.6 14.32N 92.99W 26 5.1,5.5
NEIC VI 10 18 47 35.6 14.32N 93.09W 26 5.1,5.5
ISC Event type se.
SNET Error ellipse: s-maj=76.8km s-min=60.4km az=-1.0.
IDC Error ellipse: s-maj=17.4km s-min=8.9km az=45.0.
MOS Error ellipse: s-maj=8.0km s-min=5.0km az=104.8.
MEX Error ellipse: s-maj=25.9km s-min=8.3km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=4.8km az=247.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s131,c240; s135,c259;Duration: 1ş3 Moment tensor: Scale 10^{17}Nm; M_{rr}1.42±.01 $M_{\theta\theta}$-1.09±.01; $M_{\phi\phi}$-0.32±.02; $M_{r\theta}$1.15±.04; $M_{\theta\phi}$0.56±.01; $M_{\phi r}$-0.98±.04; Best double couple: NP1:ϕ_s127.00000°,δ69.00000°,λ96.00000°. NP2:ϕ_s290.00000°,δ22.00000°,λ74.00000°. Principal axes: T 2.0950,Plg66.0000° ,Azm48.0000°; N -0.0690,Plg6.0000°,Azm304.0000°; P -2.0230,Plg23.0000°,Azm212.0000° $M_0$2.05900×10^{17}
GCG Error ellipse: s-maj=57.8km s-min=96.1km az=-1.0.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2ş0 Moment tensor: Scale 10^{17}Nm; M_{rr}1.92 $M_{\theta\theta}$-1.34 $M_{\phi\phi}$-0.58 $M_{r\theta}$1.39 $M_{\theta\phi}$0.65 $M_{\phi r}$-1.32 NP1:ϕ_s129.32000°,δ68.32000° ,λ96.14000°. NP2:ϕ_s293.08000°,δ22.49000°,λ74.94000°. Principal axes: T 2.7615,Plg66.0000°,Azm50.0000°; N -0.2474,Plg6.0000°,Azm307.0000° ; P -2.5141,Plg23.0000°,Azm215.0000° $M_0$2.64000×10^{17}
ISC VI 10 19 10 35.5–2.0 14.19N–.08 93.11W–.05 16–11 3.9b 43 1-145
NEIC VI 10 19 10 33.4–2.1 14.04N–.07 93.20W–.06 10–2 4.3,4.0b ¶610791607
IDC VI 10 19 10 35.0–3.5 14.50N 92.71W 0 3.7,3.7b
MEX VI 10 19 10 36.9–.74 14.12N 93.21W 9–179 4.2,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.4km s-min=9.4km az=174.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=138.2km s-min=44.7km az=44.0.
MEX Error ellipse: s-maj=147.6km s-min=66.3km az=-1.0.
ISC VI 10 19 12 54.1–3.2 14.21N–.07 93.20W–.05 3–22 3.7b 48 1-145
IDC VI 10 19 12 54.4–3.9 14.45N 92.61W 0 3.8,3.8L ¶610791608
NEIC VI 10 19 12 55.7–1.1 14.26N–.08 93.12W–.07 10–2 4.2,3.6b
MEX VI 10 19 12 57.2–.93 14.16N 93.28W 13–219 4.0,3.6b
ISC Event type se.
IDC Error ellipse: s-maj=138.1km s-min=58.7km az=42.0.
NEIC Event type se. Error ellipse: s-maj=15.7km s-min=6.7km az=218.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Error ellipse: s-maj=173.0km s-min=87.8km az=-1.0.
ISC VI 10 19 14 56.5–3.0 14.2N–.10 93.09W–.08 16–16 20 1-145
IDC VI 10 19 14 54.7–3.8 14.48N 92.67W 0 3.8b,3.7 ¶610791609
MEX VI 10 19 14 56.0–.74 14.03N 93.32W 16–248 3.6,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=159.3km s-min=46.5km az=44.0.
MEX Error ellipse: s-maj=197.5km s-min=95.0km az=-1.0.
ISC VI 10 19 15 48.3–2.2 14.17N–.08 93.17W–.06 24–15 3.7b 57 1-145
MEX VI 10 19 15 44.9–.83 13.86N 93.37W 15 3.8 ¶610791612
IDC VI 10 19 15 45.0–1.9 14.35N 92.61W 0 3.8,3.8b
NEIC VI 10 19 15 48.2–1.5 14.26N–.05 93.10W–.04 10–2 4.3b,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 10 19 31 36.8–2.0 14.32N–.07 93.10W–.05 2–11 3.8b 46 1-145
IDC VI 10 19 31 36.1–3.5 14.44N 92.58W 0 3.9b,3.8 ¶610791613
NEIC VI 10 19 31 39.4–2.0 14.38N–.05 93.06W–.06 10–2 4.1,3.9b
MEX VI 10 19 31 39.0–1.1 14.06N 93.24W 15 4.2,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=116.1km s-min=30.8km az=33.0.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=7.0km az=240.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Error ellipse: s-maj=12.7km s-min=6.6km az=-1.0.
ISC VI 10 20 11 45.1–3.2 14.10N–.08 93.27W–.06 20–26 28 1-21
NEIC VI 10 20 11 45.3–1.1 14.22N–.05 93.21W–.04 10–2 4.2,3.7b ¶611151006
MEX VI 10 20 11 45.0–.48 13.97N 93.33W 15 4.2,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=5.6km az=153.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Error ellipse: s-maj=6.0km s-min=4.9km az=-1.0.
ISC VI 10 20 52 52.8–1.8 14.19N–.07 93.17W–.05 13–11 3.8b 54 1-145
IDC VI 10 20 52 45.0–3.4 13.80N 92.81W 0 4.0s,3.6 ¶610791617
MEX VI 10 20 52 50.9–.73 13.97N 93.44W 14–167 4.3,3.6
NEIC VI 10 20 52 54.8–1.9 14.27N–.07 93.08W–.07 10–2 4.2,4.1b
GCG VI 10 20 53 00.2–1.7 15.35N 92.57W 62 3.8,4.1b
ISC Event type se.
IDC Error ellipse: s-maj=57.8km s-min=41.7km az=158.0.
MEX Error ellipse: s-maj=129.5km s-min=70.6km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=13.8km s-min=10.5km az=142.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCG Error ellipse: s-maj=145.0km s-min=92.2km az=-1.0.
ISC VI 10 21 21 12.7–2.6 14.3N–.20 93.1W–.10 10 6 3-62
IDC VI 10 21 21 08.2–5.6 14.01N 92.99W 0 3.9L,3.7 ¶610791618
ISC Event type ke.
IDC Error ellipse: s-maj=92.8km s-min=49.5km az=173.0.
ISC VI 10 21 23 03.8–1.2 14.28N–.04 93.05W–.04 31–8 4.8b,4.6s 915 1-145
UCR VI 10 21 22 32.5–1.0 16.04N 94.56W 0–999 4.9b,4.2W ¶610669501
IDC VI 10 21 22 59.7–.53 14.34N 92.71W 0 4.6L,4.5s
NEIC VI 10 21 23 01.4–1.4 14.23N–.06 93.09W–.04 10–1 5.0,4.9b
GCMT VI 10 21 23 03.4–.20 14.26N–.01 93.35W–.02 13–0 5.1W,4.9b
MEX VI 10 21 23 03.4–.96 14.21N 93.23W 5 5.0,4.9b
GCG VI 10 21 23 07.1–1.1 14.44N 92.91W 55 4.6,4.9b
ISC Event type se.
UCR Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
IDC Error ellipse: s-maj=24.2km s-min=11.1km az=59.0.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=6.8km az=197.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s80,c124; s116,c169;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}4.23±.13 $M_{\theta\theta}$-3.22±.09; $M_{\phi\phi}$-1.01±.09; $M_{r\theta}$2.98±.25; $M_{\theta\phi}$1.51±.07; $M_{\phi r}$-3.24±.30; Best double couple: NP1:ϕ_s131.00000°,δ69.00000°,λ100.00000°. NP2:ϕ_s286.00000°,δ23.00000°,λ67.00000°. Principal axes: T 6.2560,Plg65.0000° ,Azm57.0000°; N -0.4920,Plg9.0000°,Azm308.0000°; P -5.7640,Plg23.0000°,Azm214.0000° $M_0$6.01000×10^{16}
MEX Error ellipse: s-maj=9.5km s-min=6.5km az=-1.0.
GCG Error ellipse: s-maj=50.6km s-min=388.7km az=-1.0.
ISC VI 11 03 13 50.2–2.3 14.21N–.06 93.26W–.05 15–14 4.3b,3.6s 107 1-145
MEX VI 11 03 13 48.4–.81 13.93N 93.39W 10–280 4.1,3.6s ¶610669613
IDC VI 11 03 13 48.0–1.3 14.24N 92.99W 0 4.2,4.1b
NEIC VI 11 03 13 52.6–2.4 14.25N–.04 93.25W–.07 24–4 4.3b,4.1
GCG VI 11 03 13 54.9–1.9 14.81N 92.90W 10 4.7,4.1
ISC Event type se.
MEX Error ellipse: s-maj=217.2km s-min=106.9km az=-1.0.
IDC Error ellipse: s-maj=35.7km s-min=17.8km az=40.0.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=5.7km az=97.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCG Error ellipse: s-maj=56.6km s-min=110.5km az=-1.0.
ISC VI 11 05 55 18.0–1.9 14.01N–.07 93.21W–.04 16–12 4.1b,3.3s 82 1-146
NEIC VI 11 05 55 17.0–1.8 13.87N–.06 92.84W–.03 10–2 4.3,4.1b ¶610669618
IDC VI 11 05 55 17.3–2.3 14.16N 92.85W 0 3.8,3.8b
MEX VI 11 05 55 18.7–.65 13.93N 93.37W 15 4.4,3.8b
GCG VI 11 05 55 30.0–2.3 14.43N 92.58W 12 4.3,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=3.0km az=202.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=54.2km s-min=29.2km az=29.0.
MEX Error ellipse: s-maj=7.7km s-min=6.3km az=-1.0.
GCG Error ellipse: s-maj=55.7km s-min=129.0km az=-1.0.
ISC VI 11 06 04 51.2–2.4 14.08N–.09 93.17W–.07 6–12 22 1-3
MEX VI 11 06 04 55.1–.74 14.04N 93.34W 15 4.2 ¶615144196
GCG VI 11 06 05 01.3–1.1 14.44N 92.87W 38 4.0
ISC Event type ke.
MEX Error ellipse: s-maj=12.5km s-min=8.5km az=-1.0.
GCG Error ellipse: s-maj=72.8km s-min=37.2km az=-1.0.
ISC VI 11 08 32 45.0–3.1 14.29N–.06 93.16W–.05 10–21 4.3b,3.8s 100 1-145
MEX VI 11 08 32 45.0–.75 14.23N 93.36W 9–47 4.3,3.8s ¶610671746
NEIC VI 11 08 32 45.3–1.8 14.27N–.05 93.10W–.03 7–6 4.3,4.2b
IDC VI 11 08 32 45.9–1.6 14.85N 92.63W 0 4.0,4.0b
GCG VI 11 08 32 46.9–1.7 14.11N 93.02W 19 4.3,4.0b
ISC Event type se.
MEX Error ellipse: s-maj=38.7km s-min=20.7km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=7.5km s-min=4.4km az=168.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=84.3km s-min=17.0km az=44.0.
GCG Error ellipse: s-maj=669.3km s-min=999.9km az=-1.0.
ISC VI 11 10 28 10.1–1.7 14.39N–.05 93.15W–.05 7–10 4.2b,3.8s 105 1-145
IDC VI 11 10 28 06.7–1.3 14.16N 92.95W 0 4.3L,4.0 ¶610669626
SNET VI 11 10 28 09.5–.86 14.23N 93.21W 124–15 4.2L,4.0
MEX VI 11 10 28 09.6–.59 14.11N 93.46W 15 4.5,4.0
NEIC VI 11 10 28 12.2–1.4 14.44N–.06 92.95W–.06 10–1 4.5,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 11 20 30 16.4–1.0 14.11N–.06 93.25W–.04 10 37 1-145
IDC VI 11 20 30 16.1–2.5 14.07N 93.12W 0 3.9b,3.7 ¶610791675
MEX VI 11 20 30 19.2–.75 13.99N 93.35W 16–278 4.2,3.7
GCG VI 11 20 30 22.2–.47 14.17N 92.96W 20 4.1,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=59.9km s-min=31.1km az=37.0.
MEX Error ellipse: s-maj=218.7km s-min=106.6km az=-1.0.
GCG Error ellipse: s-maj=299.5km s-min=999.9km az=-1.0.
ISC VI 11 22 03 51.7–2.3 14.21N–.08 93.12W–.06 10–12 27 1-6
GCG VI 11 22 03 48.5–1.0 15.12N 92.97W 169–26 4.0 ¶615144223
MEX VI 11 22 03 52.6–.47 14.02N 93.21W 15 4.0
ISC Event type ke.
GCG Error ellipse: s-maj=61.5km s-min=32.1km az=-1.0.
MEX Error ellipse: s-maj=8.1km s-min=4.6km az=-1.0.
ISC VI 12 01 43 42.6–3.4 14.04N–.09 93.24W–.05 10–25 27 1-5
MEX VI 12 01 43 44.9–.45 13.98N 93.28W 9–148 4.0 ¶615144232
GCG VI 12 01 43 46.5–.58 14.36N 92.97W 126–12 4.2
ISC Event type ke.
MEX Error ellipse: s-maj=117.4km s-min=52.1km az=-1.0.
GCG Error ellipse: s-maj=14.0km s-min=9.2km az=-1.0.
ISC VI 12 20 00 55.5–2.0 14.10N–.05 93.10W–.04 15–11 4.5b,3.5s 195 1-146
IDC VI 12 20 00 53.8–1.2 14.17N 93.02W 0 4.2,4.1b ¶610760939
MEX VI 12 20 00 54.5–.54 13.71N 93.18W 16–44 4.3,4.1b
NEIC VI 12 20 00 55.8–2.8 14.12N–.06 93.10W–.06 10–1 4.5b,4.3
GCG VI 12 20 00 58.0–2.1 13.82N 93.00W 50 4.4,4.3
ISC Event type se.
IDC Error ellipse: s-maj=33.8km s-min=15.1km az=44.0.
MEX Error ellipse: s-maj=38.5km s-min=8.3km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=8.8km az=204.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCG Error ellipse: s-maj=72.1km s-min=26.7km az=-1.0.
ISC VI 14 06 38 47.1–.26 14.12N–.03 93.19W–.03 10 5.3s,5.2b 1300 1-159
BGR VI 14 06 38 13.9 7.47N 98.16W 33 5.6b,5.3s ¶610673025
IDC VI 14 06 38 43.9–.50 14.10N 93.12W 0 5.1s,4.7
MOS VI 14 06 38 46.9–1.2 14.17N 93.10W 23 5.3b,5.3s
NEIC VI 14 06 38 47.1–2.6 14.16N–.05 93.27W–.03 10–1 5.6,5.5
MEX VI 14 06 38 47.6–1.2 13.98N 93.33W 10 5.6,5.5
GCMT VI 14 06 38 50.1–.10 14.11N–.01 93.52W–.01 12 5.6W,5.5
NEIC VI 14 06 38 51 14.23N 93.21W 12 5.6W,5.5
NEIC VI 14 06 38 51 14.23N 93.11W 12 5.6W,5.5
GCG VI 14 06 38 52.4–.87 14.41N 93.04W 41 4.8,5.5
ISC Event type se.
BGR Event type ke.
IDC Error ellipse: s-maj=15.5km s-min=9.3km az=52.0.
MOS Error ellipse: s-maj=9.4km s-min=5.9km az=99.1.
NEIC Event type se. Error ellipse: s-maj=8.8km s-min=4.8km az=170.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Error ellipse: s-maj=10.9km s-min=6.8km az=-1.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s129,c214; s146,c302;Duration: 1ş5 Moment tensor: Scale 10^{17}Nm; M_{rr}2.07±.02 $M_{\theta\theta}$-1.38±.02; $M_{\phi\phi}$-0.68±.02; $M_{r\theta}$1.41±.06; $M_{\theta\phi}$0.69±.02; $M_{\phi r}$-1.41±.07; Best double couple: NP1:ϕ_s131.00000°,δ68.00000°,λ96.00000°. NP2:ϕ_s296.00000°,δ23.00000°,λ76.00000°. Principal axes: T 2.9300,Plg67.0000° ,Azm51.0000°; N -0.2990,Plg5.0000°,Azm309.0000°; P -2.6270,Plg23.0000°,Azm216.0000° $M_0$2.77900×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 3ş3 Moment tensor: Scale 10^{17}Nm; M_{rr}2.06 $M_{\theta\theta}$-1.42 $M_{\phi\phi}$-0.64 $M_{r\theta}$1.00 $M_{\theta\phi}$0.66 $M_{\phi r}$-0.55 NP1:ϕ_s119.12000°,δ60.32000° ,λ89.60000°. NP2:ϕ_s299.93000°,δ29.68000°,λ90.71000°. Principal axes: T 2.3708,Plg75.0000°,Azm28.0000°; N -0.2658,Plg0.0000°,Azm119.0000° ; P -2.1050,Plg15.0000°,Azm209.0000° $M_0$2.24000×10^{17}
NEIC Event type se.
GCG Error ellipse: s-maj=65.7km s-min=740.3km az=-1.0.
ISC VI 14 07 23 52.5–.70 14.22N–.05 93.06W–.05 28–4 5.1b 886 1-159
IDC VI 14 07 23 47.4–.44 14.15N 92.96W 0 4.7,4.7b ¶610673028
MOS VI 14 07 23 50.1–1.4 14.21N 93.01W 25 5.3b,4.7b
NEIC VI 14 07 23 51.5–3.1 14.29N–.05 93.10W–.06 10–1 5.4,5.2b
BGR VI 14 07 23 51.9 13.19N 92.64W 33 5.3b,5.2b
BJI VI 14 07 23 55.0–.00 14.30N 93.00W 38 5.6b,5.2b
NEIC VI 14 07 23 55.9 14.27N 93.01W 26 5.6b,5.2b
NEIC VI 14 07 23 55.9 13.87N 93.63W 26 5.6b,5.2b
GCG VI 14 07 23 58.2–1.1 14.53N 92.86W 41 4.8,5.2b
ISC Event type se.
IDC Error ellipse: s-maj=19.5km s-min=8.8km az=59.0.
MOS Error ellipse: s-maj=10.3km s-min=5.9km az=104.9.
NEIC Event type se. Error ellipse: s-maj=12.3km s-min=5.2km az=230.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BGR Event type ke.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2ş3 Moment tensor: Scale 10^{17}Nm; M_{rr}0.92 $M_{\theta\theta}$-0.62 $M_{\phi\phi}$-0.31 $M_{r\theta}$0.80 $M_{\theta\phi}$0.40 $M_{\phi r}$-0.91 NP1:ϕ_s135.59000°,δ71.85000° ,λ96.72000°. NP2:ϕ_s294.88000°,δ19.32000°,λ70.36000°. Principal axes: T 1.5492,Plg63.0000°,Azm56.0000°; N -0.0702,Plg6.0000°,Azm313.0000° ; P -1.4790,Plg27.0000°,Azm220.0000° $M_0$1.51000×10^{17}

GCG Error ellipse: s-maj=38.8km s-min=634.9km az=-1.0.
ISC VI 14 07 40 48.4–.90 14.87N–.07 92.20W–.06 97–6 4.2b 31 0-77
IDC VI 14 07 40 39.4–4.0 14.26N 91.61W 60–30 4.2,3.9b ¶610791840
GCG VI 14 07 40 48.9–.55 15.03N 92.19W 80–14 3.8,3.9b
MEX VI 14 07 40 48.5–1.1 14.78N 92.17W 103–7 4.1,3.9b
ISC Event type ke.
IDC Error ellipse: s-maj=35.2km s-min=22.9km az=6.0.
GCG Error ellipse: s-maj=14.3km s-min=5.4km az=-1.0.
MEX Error ellipse: s-maj=11.4km s-min=9.5km az=-1.0.
ISC VI 14 07 47 30.2–1.4 14.75N–.07 92.32W–.05 89–9 27 0-5
GCG VI 14 07 47 27.6–.31 14.49N 92.52W 76–5 3.9 ¶615144334
MEX VI 14 07 47 29.7–.56 14.70N 92.18W 100–5 3.8
ISC Event type ke.
GCG Error ellipse: s-maj=10.2km s-min=4.6km az=-1.0.
MEX Error ellipse: s-maj=6.3km s-min=6.5km az=-1.0.
ISC VI 14 07 49 42.5–.79 14.68N–.06 92.24W–.04 99–6 4.2b 45 0-145
IDC VI 14 07 49 41.5–1.9 14.73N 92.05W 85–18 4.1,3.8b ¶610791841
MEX VI 14 07 49 43.1–.66 14.64N 92.15W 101–4 4.1,3.8b
GCG VI 14 07 49 45.1–1.7 14.75N 92.02W 93 4.1,3.8b
ISC Event type ke.
IDC Error ellipse: s-maj=20.6km s-min=12.2km az=34.0.
MEX Error ellipse: s-maj=6.0km s-min=6.9km az=-1.0.
GCG Error ellipse: s-maj=38.4km s-min=15.3km az=-1.0.
GCG VI 14 07 52 31.1–1.8 14.76N 92.05W 49 3.2
¶617259536
GCG Error ellipse: s-maj=52.5km s-min=90.4km az=-1.0.
ISC VI 14 08 03 12.6–1.5 14.66N–.08 92.20W–.05 90–9 29 0-5
GCG VI 14 08 03 12.0–1.7 14.50N 92.09W 103–24 3.7 ¶615144342
MEX VI 14 08 03 12.1–.60 14.71N 91.99W 99–5 4.2
ISC Event type ke.
GCG Error ellipse: s-maj=55.8km s-min=17.2km az=-1.0.
MEX Error ellipse: s-maj=9.8km s-min=8.2km az=-1.0.
ISC VI 14 08 06 25.1–1.7 14.78N–.09 92.27W–.08 87–10 20 0-3
MEX VI 14 08 06 23.7–.72 14.70N 92.15W 104–6 3.4 ¶615144347
GCG VI 14 08 06 29.0–.34 14.89N 91.97W 58–7 3.5
ISC Event type ke.
MEX Error ellipse: s-maj=9.8km s-min=13.2km az=-1.0.
GCG Error ellipse: s-maj=4.3km s-min=8.6km az=-1.0.
ISC VI 14 08 21 40.2–1.6 14.63N–.08 92.29W–.06 88–10 26 0-4
MEX VI 14 08 21 40.2–.83 14.66N 92.17W 102–6 4.0 ¶615144349
GCG VI 14 08 21 40.9–.51 14.98N 92.13W 78–5 3.7
ISC Event type ke.
MEX Error ellipse: s-maj=10.9km s-min=11.4km az=-1.0.
GCG Error ellipse: s-maj=11.7km s-min=4.8km az=-1.0.
ISC VI 14 08 30 41.6–4.1 14.3N–.10 93.21W–.06 15–26 17 1-50
IDC VI 14 08 30 37.7–7.0 14.20N 93.04W 0 3.5b,3.4 ¶610791843
MEX VI 14 08 30 42.2–.84 14.20N 93.41W 15 3.8,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=113.9km s-min=50.8km az=177.0.
MEX Error ellipse: s-maj=11.0km s-min=8.6km az=-1.0.
ISC VI 14 08 44 16.0–2.1 14.36N–.08 93.27W–.06 2–14 3.6b 26 1-60
IDC VI 14 08 44 15.1–4.9 14.35N 93.14W 0 3.6,3.6b ¶610791846
MEX VI 14 08 44 18.1–.72 14.27N 93.48W 10 3.9,3.6b
GCG VI 14 08 44 21.4–.36 14.82N 93.17W 50–65 3.9,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=80.2km s-min=37.3km az=169.0.
MEX Error ellipse: s-maj=9.4km s-min=8.1km az=-1.0.
GCG Error ellipse: s-maj=16.9km s-min=11.2km az=-1.0.
MEX VI 14 08 49 27.8–.43 14.79N 92.10W 103–4 3.4
¶615144359
MEX Error ellipse: s-maj=3.1km s-min=7.9km az=-1.0.
ISC VI 14 08 51 38.3–1.8 14.83N–.09 92.15W–.08 99–11 21 0-3
MEX VI 14 08 51 38.3–.41 14.68N 92.17W 99–5 4.0 ¶615144364
GCG VI 14 08 51 38.3–.31 15.02N 91.64W 112–3 3.0
ISC Event type ke.
MEX Error ellipse: s-maj=6.7km s-min=5.4km az=-1.0.
GCG Error ellipse: s-maj=4.7km s-min=6.4km az=-1.0.
ISC VI 14 09 04 48.3–1.7 14.66N–.09 92.17W–.08 79–10 20 0-4
MEX VI 14 09 04 46.8–.56 14.59N 92.10W 87–6 3.6 ¶615144367
GCG VI 14 09 04 48.0–.35 14.56N 92.24W 63–5 3.3
ISC Event type ke.
MEX Error ellipse: s-maj=7.5km s-min=6.7km az=-1.0.
GCG Error ellipse: s-maj=4.6km s-min=4.6km az=-1.0.
ISC VI 14 09 30 18.0–1.5 14.67N–.08 92.29W–.06 83–9 27 0-4
GCG VI 14 09 30 15.5–.72 14.76N 92.32W 90–12 3.6 ¶615144374
MEX VI 14 09 30 17.2–.57 14.70N 92.09W 100–3 4.0
ISC Event type ke.
GCG Error ellipse: s-maj=49.5km s-min=18.5km az=-1.0.
MEX Error ellipse: s-maj=8.8km s-min=7.5km az=-1.0.
ISC VI 14 10 42 32.4–1.6 14.76N–.08 92.13W–.07 98–10 22 0-4
GCG VI 14 10 42 32.7–1.0 14.75N 92.13W 87–9 3.5 ¶615144380
MEX VI 14 10 42 33.4–.28 14.62N 92.10W 94–2 3.6
ISC Event type ke.
GCG Error ellipse: s-maj=16.2km s-min=12.5km az=-1.0.
MEX Error ellipse: s-maj=4.3km s-min=3.5km az=-1.0.
ISC VI 14 12 08 33.6–1.7 14.6N–.10 92.12W–.07 82–10 21 0-4
MEX VI 14 12 08 33.1–.63 14.47N 92.05W 84–8 4.1 ¶615144389
GCG VI 14 12 08 34.8–.74 14.73N 92.03W 65–16 3.5
ISC Event type ke.
MEX Error ellipse: s-maj=5.8km s-min=5.7km az=-1.0.
GCG Error ellipse: s-maj=15.6km s-min=6.4km az=-1.0.
ISC VI 14 16 01 00.4–1.6 14.69N–.09 92.26W–.06 88–9 23 0-4
MEX VI 14 16 00 59.8–.70 14.74N 92.06W 103–6 4.1 ¶615144407
GCG VI 14 16 01 01.2–.60 14.93N 92.07W 80–14 3.7
ISC Event type ke.
MEX Error ellipse: s-maj=11.1km s-min=10.4km az=-1.0.
GCG Error ellipse: s-maj=14.4km s-min=6.5km az=-1.0.
ISC VI 15 04 33 04.3–2.4 14.13N–.05 93.22W–.05 0–15 4.3b,3.8s 112 1-145
IDC VI 15 04 33 05.9–1.8 14.32N 92.97W 0 4.0,4.0b ¶610791908
NEIC VI 15 04 33 07.9–2.1 14.25N–.05 93.02W–.04 10–1 4.3b,4.1
MEX VI 15 04 33 07.8–.81 14.12N 93.29W 10–28 4.2,4.1
GCG VI 15 04 33 21.0–.30 14.54N 92.01W 75 4.4,4.1
ISC Event type se.
IDC Error ellipse: s-maj=54.4km s-min=19.5km az=36.0.
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=7.2km az=176.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Error ellipse: s-maj=24.8km s-min=9.0km az=-1.0.
GCG Error ellipse: s-maj=6.3km s-min=8.9km az=-1.0.
ISC VI 15 04 55 06.5–1.3 14.67N–.06 92.13W–.04 85–7 38 0-5
GCG VI 15 04 55 06.9–.53 14.87N 92.07W 75–10 4.1 ¶612335387
MEX VI 15 04 55 06.8–.82 14.66N 92.01W 92–7 3.9
SNET VI 15 04 55 06.9–.70 14.64N 92.04W 80–4 4.0L
ISC Event type ke.
GCG Error ellipse: s-maj=11.6km s-min=4.6km az=-1.0.
MEX Error ellipse: s-maj=10.6km s-min=10.6km az=-1.0.
SNET Error ellipse: s-maj=4.0km s-min=7.0km az=-1.0.
ISC VI 15 06 06 08.2–1.7 14.71N–.09 92.21W–.08 81–10 20 0-3
MEX VI 15 06 06 07.3–1.0 14.64N 92.13W 94–8 3.8 ¶615144452
GCG VI 15 06 06 10.0–.51 14.79N 92.12W 57–12 3.2
ISC Event type ke.
MEX Error ellipse: s-maj=9.4km s-min=10.2km az=-1.0.
GCG Error ellipse: s-maj=7.6km s-min=5.7km az=-1.0.
ISC VI 15 07 27 41.7–1.7 14.46N–.10 92.05W–.07 58–12 23 0-4
MEX VI 15 07 27 40.6–.38 14.42N 91.95W 75–5 4.1 ¶615144461
GCG VI 15 07 27 43.2–.62 14.53N 91.92W 50–7 3.5
ISC Event type ke.
MEX Error ellipse: s-maj=5.4km s-min=5.6km az=-1.0.
GCG Error ellipse: s-maj=7.5km s-min=5.3km az=-1.0.
ISC VI 15 08 37 06.3–.92 14.74N–.05 92.14W–.04 94–6 3.5b 52 0-62
IDC VI 15 08 37 06.6–2.3 14.82N 91.99W 97–18 3.5,3.1b ¶610791927
MEX VI 15 08 37 06.5–.56 14.69N 92.07W 100–4 4.3,3.1b
SNET VI 15 08 37 07.2–.97 14.72N 92.06W 85–6 4.0L,3.1b
GCG VI 15 08 37 13.1–.32 14.73N 91.76W 51–24 4.1,3.1b
ISC Event type ke.
IDC Error ellipse: s-maj=26.4km s-min=15.1km az=11.0.
MEX Error ellipse: s-maj=6.5km s-min=8.7km az=-1.0.
SNET Error ellipse: s-maj=5.7km s-min=15.8km az=-1.0.
GCG Error ellipse: s-maj=14.2km s-min=28.5km az=-1.0.
ISC VI 16 04 51 10.9–1.6 14.70N–.09 92.11W–.07 83–9 26 0-5
MEX VI 16 04 51 09.7–.41 14.70N 91.94W 98–3 4.0 ¶615144516
GCG VI 16 04 51 11.3–.73 14.78N 91.95W 83–6 3.4
ISC Event type ke.
MEX Error ellipse: s-maj=7.0km s-min=5.9km az=-1.0.
GCG Error ellipse: s-maj=19.8km s-min=14.6km az=-1.0.
ISC VI 16 05 54 43.3–1.7 14.75N–.10 92.19W–.08 82–10 19 0-3
MEX VI 16 05 54 42.0–.46 14.72N 92.05W 98–5 4.0 ¶615144519
GCG VI 16 05 54 43.1–.31 14.92N 92.10W 80–3 3.5
ISC Event type ke.
MEX Error ellipse: s-maj=9.7km s-min=8.2km az=-1.0.
GCG Error ellipse: s-maj=8.3km s-min=3.5km az=-1.0.
ISC VI 16 22 41 50.7–2.2 14.15N–.09 93.27W–.05 10–12 29 1-98
IDC VI 16 22 41 50.8–5.8 14.27N 93.14W 0 3.9b,3.8 ¶610792030
MEX VI 16 22 41 52.1–.65 14.12N 93.45W 10 4.4,3.8
GCG VI 16 22 41 58.5–.34 14.15N 90.26W 47–24 4.4,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=89.9km s-min=38.1km az=164.0.
MEX Error ellipse: s-maj=10.5km s-min=6.2km az=-1.0.
GCG Error ellipse: s-maj=11.3km s-min=6.1km az=-1.0.
ISC VI 17 05 07 17.0–1.4 14.52N–.07 92.24W–.05 83–10 34 0-6
MEX VI 17 05 07 16.6–.44 14.62N 92.03W 105–4 4.3 ¶615144589
GCG VI 17 05 07 21.9–1.3 14.62N 91.86W 63–11 3.6
ISC Event type ke.
MEX Error ellipse: s-maj=7.0km s-min=7.5km az=-1.0.
GCG Error ellipse: s-maj=11.5km s-min=26.2km az=-1.0.
ISC VI 17 06 50 34.8–1.5 14.73N–.07 92.32W–.05 90–10 28 0-5
MEX VI 17 06 50 34.6–.79 14.84N 92.07W 104–7 4.1 ¶615144593
GCG VI 17 06 50 36.1–.58 15.21N 92.10W 30–5 3.6
ISC Event type ke.
MEX Error ellipse: s-maj=9.4km s-min=13.8km az=-1.0.
GCG Error ellipse: s-maj=9.6km s-min=7.7km az=-1.0.
ISC VI 18 08 42 19.2–2.9 14.12N–.05 93.21W–.04 15–18 4.0b,3.6s 82 1-145
IDC VI 18 08 42 17.2–.94 14.07N 93.13W 0 3.9,3.9b ¶610792109
NEIC VI 18 08 42 19.9–2.0 14.21N–.03 93.16W–.05 10–1 4.4,4.1b
MEX VI 18 08 42 19.5–.57 14.05N 93.30W 0–26 4.4,4.1b
ISC Event type se.
IDC Error ellipse: s-maj=33.9km s-min=14.5km az=49.0.
NEIC Event type se. Error ellipse: s-maj=8.2km s-min=5.1km az=92.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Error ellipse: s-maj=21.5km s-min=9.5km az=-1.0.
ISC VI 18 09 30 56.9–2.1 14.16N–.07 93.14W–.04 8–12 3.6b,3.4s 35 1-145
IDC VI 18 09 30 54.7–2.2 14.05N 92.93W 0 3.6,3.6b ¶610792113
GCG VI 18 09 30 54.0–1.6 14.86N 93.23W 155–73 4.3,3.6b
MEX VI 18 09 30 57.9–.73 13.91N 93.23W 15 4.3,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=44.4km s-min=31.6km az=20.0.
GCG Error ellipse: s-maj=87.5km s-min=61.0km az=-1.0.
MEX Error ellipse: s-maj=9.7km s-min=10.7km az=-1.0.
ISC VI 18 20 13 29.3–1.3 14.68N–.08 92.24W–.05 85–8 37 0-6
MEX VI 18 20 13 29.1–.68 14.77N 92.04W 100–6 4.1 ¶612335602
GCG VI 18 20 13 29.9–2.6 14.68N 92.23W 76–29 3.6
SNET VI 18 20 13 31.5–.54 14.46N 91.83W 159–66 3.6L
ISC Event type ke.
MEX Error ellipse: s-maj=12.0km s-min=11.2km az=-1.0.
GCG Error ellipse: s-maj=54.9km s-min=26.5km az=-1.0.
SNET Error ellipse: s-maj=60.1km s-min=58.8km az=-1.0.
ISC VI 19 03 54 16.9–2.6 14.22N–.07 93.20W–.05 23–19 4.0b,3.3s 75 1-70
IDC VI 19 03 54 15.4–2.3 14.45N 93.05W 0 3.7,3.7b ¶610792162
NEIC VI 19 03 54 15.8–2.4 14.26N–.06 93.15W–.05 10–2 4.1b,4.1
MEX VI 19 03 54 15.5–.64 14.04N 93.36W 15 4.1,4.1
GCG VI 19 03 54 16.8–.32 14.68N 93.01W 119–10 4.1,4.1
ISC Event type se.
IDC Error ellipse: s-maj=44.0km s-min=26.6km az=29.0.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=8.0km az=154.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Error ellipse: s-maj=7.9km s-min=6.6km az=-1.0.
GCG Error ellipse: s-maj=14.1km s-min=5.5km az=-1.0.
ISC VI 19 10 59 13.2–1.9 14.17N–.07 93.07W–.05 8–11 4.1b 76 1-145
IDC VI 19 10 59 10.9–2.5 14.03N 92.87W 0 3.9,3.9b ¶610792186
MEX VI 19 10 59 14.9–.73 14.00N 93.29W 15 4.2,3.9b
NEIC VI 19 10 59 17.2–2.6 14.33N–.06 93.15W–.05 10–2 4.2,4.1b
GCG VI 19 10 59 30.3–.30 14.52N 92.10W 50 4.1,4.1b
ISC Event type se.
IDC Error ellipse: s-maj=56.7km s-min=34.9km az=22.0.
MEX Error ellipse: s-maj=11.1km s-min=8.0km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=5.5km az=147.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCG Error ellipse: s-maj=5.2km s-min=17.4km az=-1.0.
ISC VI 19 19 58 17.1–1.7 14.68N–.05 92.71W–.04 25–15 38 0-5
GCG VI 19 19 58 10.0–.36 15.18N 93.04W 12–999 4.7 ¶612335644
MEX VI 19 19 58 17.9–.52 14.67N 92.59W 78–8 4.4
SNET VI 19 19 58 18.9–.58 14.63N 92.55W 22–188 4.5L
ISC Event type ke.
GCG Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
MEX Error ellipse: s-maj=7.3km s-min=6.1km az=-1.0.
SNET Error ellipse: s-maj=21.7km s-min=130.7km az=-1.0.
ISC VI 19 23 22 38.5–2.0 14.13N–.06 93.18W–.05 6–11 4.3b,3.5s 112 1-145
IDC VI 19 23 22 39.1–1.7 14.45N 92.63W 0 3.9b,3.8 ¶610681914
MEX VI 19 23 22 41.4–.46 14.02N 93.31W 15 4.2,3.8
NEIC VI 19 23 22 41.2–1.8 14.22N–.03 93.05W–.06 10–1 4.2,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 21 06 57 33.2–1.7 14.80N–.07 92.20W–.06 85–9 22 0-4
MEX VI 21 06 57 31.3–.53 14.65N 92.13W 100–4 3.9 ¶615144766
GCG VI 21 06 57 36.1–.34 14.89N 91.97W 63–7 3.4
ISC Event type ke.
MEX Error ellipse: s-maj=5.3km s-min=8.5km az=-1.0.
GCG Error ellipse: s-maj=4.7km s-min=8.6km az=-1.0.
ISC VI 22 22 25 16.7–1.8 14.15N–.04 93.02W–.03 25–12 4.6b,3.6s 691 1-146
NEIC VI 22 22 25 16.3–2.1 14.28N–.05 92.94W–.04 10–1 4.7,4.6b ¶610693789
MEX VI 22 22 25 16.9–.83 14.05N 93.06W 17–23 4.7,4.6b
SNET VI 22 22 25 16.2–1.5 14.05N 92.92W 143–181 4.0L,4.6b
NEIC VI 22 22 25 17.9 14.43N 92.86W 10 4.0L,4.6b
GCG VI 22 22 25 18.3–1.2 14.57N 92.90W 25 4.4,4.6b
IDC VI 22 22 25 19.2–4.5 14.51N 92.43W 33–33 4.4,4.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=6.3km az=162.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}3.25 $M_{\theta\theta}$-1.80 $M_{\phi\phi}$-1.45 $M_{r\theta}$5.50 $M_{\theta\phi}$1.21
$M_{\phi r}$-1.50 NP1:ϕ_s108.97000°,δ76.54000°,λ81.89000°. NP2:ϕ_s320.42000°,δ15.68000°
,λ120.49000°. Principal axes: T 6.8176,Plg58.0000°,Azm8.0000°; N -0.7613,Plg8.0000°
,Azm111.0000°; P -6.0563,Plg31.0000°,Azm206.0000° $M_0$6.47000×10^{15}
MEX Error ellipse: s-maj=18.3km s-min=5.1km az=-1.0.
SNET Error ellipse: s-maj=120.0km s-min=74.3km az=-1.0.
NEIC Event type se.
GCG Error ellipse: s-maj=676.1km s-min=999.9km az=-1.0.
IDC Error ellipse: s-maj=34.1km s-min=12.5km az=44.0.

ISC VI 24 07 48 14.0–1.7 14.67N–.09 92.11W–.07 80–10 22 0-4
MEX VI 24 07 48 12.8–.49 14.58N 92.03W 91–5 3.9 ¶615144888
GCG VI 24 07 48 14.4–.62 14.71N 92.06W 74–6 3.3
ISC Event type ke.
MEX Error ellipse: s-maj=7.1km s-min=6.2km az=-1.0.
GCG Error ellipse: s-maj=7.0km s-min=6.4km az=-1.0.
MEX VI 26 14 52 47.4–.44 14.68N 92.05W 103–9 3.6 ¶617481157
MEX Error ellipse: s-maj=17.4km s-min=15.5km az=-1.0.
ISC VI 26 21 15 17.4–1.4 14.62N–.07 92.71W–.05 62–16 32 1-6
MEX VI 26 21 15 18.1–.55 14.67N 92.58W 84–8 4.1 ¶615145022
GCG VI 26 21 15 20.6–.51 15.02N 92.39W 58–10 3.9
ISC Event type ke.
MEX Error ellipse: s-maj=7.9km s-min=6.5km az=-1.0.
GCG Error ellipse: s-maj=14.3km s-min=5.3km az=-1.0.
ISC VI 28 16 50 28.7–1.7 14.39N–.09 92.60W–.05 50 26 1-3
MEX VI 28 16 50 28.8–.65 14.46N 92.48W 81–11 3.9 ¶615145085
GCG VI 28 16 50 31.8–.69 14.61N 92.32W 65–12 3.5
ISC Event type ke.
MEX Error ellipse: s-maj=9.6km s-min=7.9km az=-1.0.
GCG Error ellipse: s-maj=14.8km s-min=7.6km az=-1.0.
ISC VI 29 23 29 21.0–1.6 14.11N–.05 93.10W–.04 7–10 4.0b,3.3s 89 1-146
IDC VI 29 23 29 19.9–2.0 14.07N 92.97W 0 3.7,3.7b ¶610789744
MEX VI 29 23 29 20.7–.41 13.78N 93.30W 15 4.5,3.7b
NEIC VI 29 23 29 21.9–2.9 14.10N–.06 93.18W–.05 10–2 4.5,4.1b
GCG VI 29 23 29 29.8–2.4 14.47N 92.77W 23–29 4.4,4.1b
ISC Event type se.
IDC Error ellipse: s-maj=57.1km s-min=21.3km az=33.0.
MEX Error ellipse: s-maj=4.1km s-min=5.1km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=8.7km az=161.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCG Error ellipse: s-maj=86.6km s-min=69.6km az=-1.0.
ISC VI 30 22 16 37.8–1.4 14.81N–.07 92.24W–.05 88–8 32 0-6
MEX VI 30 22 16 37.9–.85 14.72N 92.17W 93–6 4.3 ¶615145168
GCG VI 30 22 16 38.3–.38 14.69N 92.24W 74–4 3.7
ISC Event type ke.
MEX Error ellipse: s-maj=11.0km s-min=8.9km az=-1.0.
GCG Error ellipse: s-maj=5.3km s-min=4.9km az=-1.0.

(70) Guatemala.

ISC I 07 14 13 16.5–1.5 14.1N–.10 90.99W–.07 38–3 3.6s 33 0-146
IDC I 07 14 13 08.3–5.4 14.13N 90.15W 0 3.7,3.7b ¶610236904
SNET I 07 14 13 13.1–1.7 13.55N 91.04W 10 4.1L,3.7b
GCG I 07 14 13 19.4–.81 14.30N 91.07W 1–5 4.0,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=280.9km s-min=83.1km az=40.0.
SNET Error ellipse: s-maj=13.0km s-min=7.1km az=-1.0.
GCG Error ellipse: s-maj=11.1km s-min=3.9km az=-1.0.
ISC I 15 14 13 00.1–.53 14.31N–.06 90.21W–.05 234 4.6b 328 0-146
SNET I 15 14 12 59.5–.71 14.36N 90.15W 204–4 4.8L ¶610094914
GCG I 15 14 12 59.6–.49 14.07N 90.31W 210–6 4.1
NEIC I 15 14 13 00.0–1.4 14.40N–.07 90.19W–.07 212–7 4.6b
IDC I 15 14 13 02.4–2.6 14.47N 89.91W 244–27 4.2,3.5b
INET I 15 14 13 02.1–1.7 13.40N 90.64W 13–21 3.8W,3.5b
ISC Event type se.
SNET Error ellipse: s-maj=6.4km s-min=4.0km az=-1.0.
GCG Error ellipse: s-maj=14.0km s-min=4.0km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=12.3km s-min=8.6km az=220.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=26.1km s-min=10.8km az=57.0.
INET Error ellipse: s-maj=9.1km s-min=11.8km az=-1.0.
ISC I 18 16 40 13.3–3.7 14.0N–.10 91.43W–.10 8–29 24 0-3
GCG I 18 16 40 15.0–2.6 14.04N 91.60W 28 3.9 ¶612523154
SNET I 18 16 40 16.4–.89 14.27N 91.26W 14–4 3.8L
ISC Event type ke.
GCG Error ellipse: s-maj=77.5km s-min=53.5km az=-1.0.
SNET Error ellipse: s-maj=5.4km s-min=5.1km az=-1.0.
ISC II 08 06 28 54.2–1.2 14.32N–.09 90.26W–.05 11–16 20 0-3
GCG II 08 06 28 52.5–.33 14.32N 90.25W 7–5 3.7 ¶612523308
SNET II 08 06 28 56.6–2.0 14.23N 90.19W 2 3.5L
ISC Event type ke.
GCG Error ellipse: s-maj=2.4km s-min=2.5km az=-1.0.
SNET Error ellipse: s-maj=19.8km s-min=15.7km az=-1.0.
IDC II 11 10 25 01.2–10 14.38N 91.49W 0 3.8b,3.6 ¶610415309
IDC Error ellipse: s-maj=209.5km s-min=41.1km az=14.0.
ISC II 16 13 33 41.4–.49 14.49N–.05 90.50W–.05 200–4 4.7b 318 0-146
GCG II 16 13 33 42.9–.96 14.47N 90.66W 190 4.4 ¶610217184
NEIC II 16 13 33 42.1–1.8 14.48N–.07 90.56W–.07 202–6 4.8b
SNET II 16 13 33 42.2–1.4 14.63N 90.42W 183–11 3.9L
INET II 16 13 33 43.8–2.6 14.44N 90.40W 171 3.9W
IDC II 16 13 33 44.9–1.4 14.62N 90.22W 220–12 4.3,3.8b
ISC Event type se.
GCG Error ellipse: s-maj=62.6km s-min=19.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=8.7km az=218.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SNET Error ellipse: s-maj=17.1km s-min=8.3km az=-1.0.
INET Error ellipse: s-maj=10.0km s-min=7.2km az=-1.0.
IDC Error ellipse: s-maj=17.5km s-min=6.9km az=61.0.
ISC II 16 19 32 38.0–1.4 14.2N–.10 91.20W–.05 50 14 0-2
SNET II 16 19 32 35.4–1.1 14.72N 90.98W 15–15 3.0L ¶612523357
GCG II 16 19 32 37.5–2.0 14.36N 91.23W 59–32 3.5
ISC Event type ke.
SNET Error ellipse: s-maj=16.9km s-min=4.2km az=-1.0.
GCG Error ellipse: s-maj=24.6km s-min=13.2km az=-1.0.
ISC III 01 16 51 16.9–.98 14.11N–.04 89.75W–.04 12–7 23 0-1
SNET III 01 16 51 15.1–1.8 14.15N 89.77W 2 3.5L ¶612523455
GCG III 01 16 51 18.3–.53 14.12N 89.85W 0–297 3.3
ISC Event type ke.
SNET Error ellipse: s-maj=3.4km s-min=5.0km az=-1.0.
GCG Error ellipse: s-maj=265.3km s-min=445.9km az=-1.0.
ISC III 02 08 35 50.9–.87 14.6N–.20 90.7W–.10 210–8 4.0b 26 0-137
IDC III 02 08 35 51.6–1.9 14.82N 90.46W 194–25 3.8,3.3s ¶610545371
SNET III 02 08 35 53.9–1.3 14.71N 90.27W 195–34 3.6L,3.3s
GCG III 02 08 35 59.1–.34 14.90N 90.84W 141–44 2.7,3.3s
ISC Event type ke.
IDC Error ellipse: s-maj=37.5km s-min=17.1km az=32.0.
SNET Error ellipse: s-maj=70.0km s-min=17.7km az=-1.0.
GCG Error ellipse: s-maj=34.1km s-min=11.3km az=-1.0.
ISC III 03 11 01 20.7–.78 14.19N–.08 90.75W–.06 109–6 4.7b 95 0-137
SNET III 03 11 01 18.8–1.6 13.68N 91.04W 27–419 4.0L ¶610545452
NEIC III 03 11 01 20.5–2.6 14.09N–.10 90.84W–.09 115–9 4.6b
GCG III 03 11 01 20.3–.61 13.79N 90.75W 77–20 3.9
IDC III 03 11 01 21.5–2.2 14.37N 90.56W 93–27 3.9,3.6b
INET III 03 11 01 24.5–.61 14.20N 90.51W 15–4 3.6W,3.6b
ISC Event type se.
SNET Error ellipse: s-maj=26.2km s-min=269.3km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=17.9km s-min=6.3km az=219.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCG Error ellipse: s-maj=22.6km s-min=9.4km az=-1.0.
IDC Error ellipse: s-maj=48.6km s-min=15.8km az=35.0.
INET Error ellipse: s-maj=16.8km s-min=6.2km az=-1.0.
ISC III 17 03 19 38.2–.93 14.05N–.07 89.93W–.04 13–7 27 0-2
SNET III 17 03 19 36.8–1.2 14.02N 89.98W 5 3.1L ¶612523579
GCG III 17 03 19 40.2–.46 14.13N 89.88W 16–3 3.4
ISC Event type ke.
SNET Error ellipse: s-maj=3.5km s-min=3.3km az=-1.0.
GCG Error ellipse: s-maj=4.6km s-min=4.0km az=-1.0.
ISC III 18 09 32 08.3–1.4 14.0N–.20 90.35W–.08 150 18 0-1
SNET III 18 09 32 07.2–1.1 14.18N 90.36W 152–8 2.3L ¶612523587
GCG III 18 09 32 10.9–.45 13.98N 90.35W 123–17 3.4
ISC Event type ke.
SNET Error ellipse: s-maj=10.5km s-min=4.8km az=-1.0.
GCG Error ellipse: s-maj=21.6km s-min=5.3km az=-1.0.
ISC III 18 10 53 19.4–.92 14.06N–.10 89.89W–.05 15–6 22 0-2
SNET III 18 10 53 19.0–.80 13.97N 89.95W 5 3.8L ¶612523588
GCG III 18 10 53 21.8–.97 14.19N 90.02W 1–34 3.6
ISC Event type ke.
SNET Error ellipse: s-maj=3.3km s-min=2.7km az=-1.0.
GCG Error ellipse: s-maj=22.8km s-min=58.4km az=-1.0.
ISC III 18 17 53 31.6–1.6 14.1N–.10 91.28W–.07 92–12 3.7b 18 0-51
IDC III 18 17 53 16.4–14 14.05N 90.49W 0 3.7L,3.6b ¶610546464
SNET III 18 17 53 30.4–1.3 14.18N 91.37W 73–60 3.6L,3.6b
GCG III 18 17 53 35.5–.81 14.41N 91.18W 58–18 3.9,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=283.9km s-min=56.9km az=179.0.
SNET Error ellipse: s-maj=39.2km s-min=22.3km az=-1.0.
GCG Error ellipse: s-maj=14.7km s-min=5.3km az=-1.0.
ISC IV 01 01 54 18.7–.47 14.24N–.04 91.53W–.04 64–3 4.8b 655 0-157
UCR IV 01 01 53 58.2–2.0 15.19N 92.68W 2–999 4.5W ¶610468896
GCMT IV 01 01 54 18.8–.20 14.07N–.01 91.85W–.01 68–1 5.2W
INET IV 01 01 54 18.2–2.6 14.08N 91.68W 15–28 5.2W
NEIC IV 01 01 54 19.8–2.2 14.23N–.07 91.48W–.08 59–2 4.8b
SNET IV 01 01 54 20.0–1.4 14.41N 91.37W 108 5.5L
IDC IV 01 01 54 20.4–3.4 14.44N 91.05W 75–29 4.5,4.2s
GCG IV 01 01 54 21.3–.34 14.35N 91.49W 47–27 5.4,4.2s
ISC Event type se.
UCR Error ellipse: s-maj=912.0km s-min=999.9km az=-1.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s111,c166; s123,c200;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.85±.02 $M_{\theta\theta}$-0.67±.01; $M_{\phi\phi}$-0.18±.02; $M_{r\theta}$0.22±.01; $M_{\theta\phi}$0.47±.01; $M_{\phi r}$-0.05±.01; Best double couple: NP1:ϕ_s116.00000°,δ52.00000°,λ84.00000°. NP2:ϕ_s307.00000°,δ39.00000°,λ98.00000°. Principal axes: T 0.8860,Plg82.0000° ,Azm353.0000°; N 0.0970,Plg5.0000°,Azm120.0000°; P -0.9850,Plg7.0000°,Azm211.0000° $M_0$0.93600×10^{17}
INET Error ellipse: s-maj=18.3km s-min=22.1km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=13.6km s-min=6.7km az=48.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SNET Error ellipse: s-maj=17.0km s-min=12.3km az=-1.0.
IDC Error ellipse: s-maj=23.4km s-min=9.7km az=55.0.
GCG Error ellipse: s-maj=10.2km s-min=14.9km az=-1.0.
ISC IV 02 06 12 06.4–2.8 14.1N–.20 91.7W–.20 61 18 0-3
SNET IV 02 06 12 07.9–.94 14.04N 91.43W 13–848 3.4L ¶612523702
GCG IV 02 06 12 08.7–.31 14.30N 91.52W 56–27 3.9
ISC Event type ke.
SNET Error ellipse: s-maj=67.7km s-min=539.9km az=-1.0.
GCG Error ellipse: s-maj=12.2km s-min=15.8km az=-1.0.
ISC IV 05 08 07 26.8–1.8 14.47N–.10 89.13W–.06 8–12 19 0-2
SNET IV 05 08 07 26.0–.67 14.46N 89.18W 0–20 3.6L ¶612523727
GCG IV 05 08 07 27.3–.54 14.70N 89.19W 6–999 3.5
ISC Event type ke.
SNET Error ellipse: s-maj=7.8km s-min=2.9km az=-1.0.
GCG Error ellipse: s-maj=402.9km s-min=999.9km az=-1.0.
ISC IV 06 05 44 40.8–1.2 15.37N–.03 89.69W–.03 10–11 42 1-3
SNET IV 06 05 44 42.1–1.2 15.33N 89.70W 2–5 4.1L ¶612454257
INET IV 06 05 44 44.5–2.6 15.31N 89.73W 9–23 4.4W
GCG IV 06 05 44 46.2–2.5 15.27N 89.82W 10 3.9
ISC Event type ke.
SNET Error ellipse: s-maj=3.9km s-min=3.7km az=-1.0.
INET Error ellipse: s-maj=6.9km s-min=6.8km az=-1.0.
GCG Error ellipse: s-maj=37.4km s-min=50.5km az=-1.0.
ISC IV 14 06 05 44.2–2.6 14.0N–.10 91.6W–.10 73–16 25 0-3
SNET IV 14 06 05 44.9–.87 14.11N 91.49W 71–8 3.6L ¶612523906
GCG IV 14 06 05 48.9–.69 14.29N 91.35W 46–12 3.8
ISC Event type ke.
SNET Error ellipse: s-maj=5.8km s-min=6.3km az=-1.0.
GCG Error ellipse: s-maj=6.1km s-min=7.2km az=-1.0.
ISC IV 15 14 37 04.4–3.5 14.0N–.10 91.8W–.20 60–28 17 0-2
SNET IV 15 14 37 07.3–.38 14.16N 91.50W 31–999 3.6L ¶612523919
GCG IV 15 14 37 09.2–.87 14.33N 91.53W 46–11 3.4
ISC Event type ke.
SNET Error ellipse: s-maj=616.4km s-min=999.9km az=-1.0.
GCG Error ellipse: s-maj=6.7km s-min=5.4km az=-1.0.
ISC IV 21 07 02 51.6–2.0 14.1N–.10 91.16W–.06 67–21 19 0-3
INET IV 21 07 02 34.0 13.94N 91.18W 34 4.1W ¶612454380
SNET IV 21 07 02 52.3–2.9 14.13N 91.05W 75 4.0L
GCG IV 21 07 02 53.7–.50 14.28N 91.12W 55–7 3.9
ISC Event type ke.
SNET Error ellipse: s-maj=144.0km s-min=43.8km az=-1.0.
GCG Error ellipse: s-maj=4.5km s-min=1.9km az=-1.0.
ISC IV 26 02 42 03.4–1.2 14.1N–.10 91.54W–.07 75–8 3.9b 30 0-146
SNET IV 26 02 42 04.3–.80 14.27N 91.41W 77 4.5L ¶610650026
IDC IV 26 02 42 05.1–1.9 14.46N 91.27W 77–17 3.8,3.5b
GCG IV 26 02 42 06.4–1.1 14.34N 91.43W 45–62 3.9,3.5b
ISC Event type ke.
SNET Error ellipse: s-maj=38.2km s-min=12.2km az=-1.0.
IDC Error ellipse: s-maj=39.9km s-min=13.0km az=35.0.
GCG Error ellipse: s-maj=25.9km s-min=29.4km az=-1.0.
ISC V 07 14 48 01.7–1.2 14.8N–.20 92.0W–.10 100 3.8b 12 0-145
IDC V 07 14 47 45.7–4.3 14.66N 90.91W 0 3.7b,3.6 ¶610689731
GCG V 07 14 48 10.2–.32 14.64N 91.47W 35–597 4.1,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=112.4km s-min=52.3km az=22.0.
GCG Error ellipse: s-maj=116.1km s-min=744.7km az=-1.0.
ISC V 08 11 30 14.1–1.1 14.82N–.06 91.99W–.05 17–8 25 0-5
MEX V 08 11 30 15.2–.87 14.76N 92.03W 2 4.4 ¶615142801
GCG V 08 11 30 16.1–.34 14.86N 91.96W 26–3 3.8
ISC Event type ke.
MEX Error ellipse: s-maj=5.1km s-min=5.6km az=-1.0.
GCG Error ellipse: s-maj=5.8km s-min=5.8km az=-1.0.
ISC V 20 03 41 10.6–2.4 14.2N–.30 91.5W–.20 64–17 3.4b 26 2-146
IDC V 20 03 40 58.8–4.2 13.86N 91.00W 0 3.8L,3.5 ¶610685005
INET V 20 03 41 09.6–1.3 13.92N 91.66W 14–16 4.0W,3.5
SNET V 20 03 41 10.4–.94 13.87N 91.57W 35–999 3.7L,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=136.3km s-min=54.0km az=33.0.
INET Error ellipse: s-maj=8.4km s-min=9.5km az=-1.0.
SNET Error ellipse: s-maj=21.0km s-min=644.1km az=-1.0.
ISC V 30 08 51 45.0–2.0 14.02N–.10 91.32W–.07 1–13 22 0-2
SNET V 30 08 51 44.8–.83 14.01N 91.38W 12–27 3.4L ¶612524392
GCG V 30 08 51 45.3–.39 14.15N 91.50W 75–11 3.9
ISC Event type ke.
SNET Error ellipse: s-maj=16.7km s-min=26.2km az=-1.0.
GCG Error ellipse: s-maj=7.4km s-min=2.9km az=-1.0.
ISC VI 04 23 57 14.4–.33 14.41N–.04 90.61W–.04 187–2 4.8b 931 0-149
SNET VI 04 23 57 14.9–1.9 14.42N 90.62W 171–7 4.9L ¶610661427
INET VI 04 23 57 15.8–9.3 13.84N 90.82W 3–29 4.1W
GCMT VI 04 23 57 15.9–.50 14.46N–.02 90.59W–.03 186–4 5.0W
IDC VI 04 23 57 15.0–.45 14.51N 90.45W 187–3 4.5,3.9b
GCG VI 04 23 57 15.2–.66 14.51N 90.69W 176–11 4.4,3.9b
NEIC VI 04 23 57 15.9–2.0 14.47N–.06 90.64W–.05 184–5 4.8b,3.9b
UCR VI 04 23 57 20.2–1.0 14.38N 89.93W 230–33 4.1W,3.9b
ISC Event type se.
SNET Error ellipse: s-maj=9.2km s-min=7.4km az=-1.0.
INET Error ellipse: s-maj=26.5km s-min=28.4km az=-1.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s15,c18; s99,c118;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.10±.12 $M_{\theta\theta}$-2.14±.20; $M_{\phi\phi}$2.04±.20; $M_{r\theta}$2.15±.10;

Mθφ-0.57±.21; Mφr-1.49±.10; Best double couple: NP1:φs126.00000°,δ89.00000°,λ130.00000°. NP2:φs217.00000°,δ40.00000°,λ2.00000°. Principal axes: T 3.3340,Plg34.0000° ,Azm69.0000°; N 0.1280,Plg40.0000°,Azm305.0000°; P -3.4590,Plg32.0000°,Azm184.0000° M0 3.39700$\times10^{16}$
IDC Error ellipse: s-maj=14.1km s-min=6.9km az=54.0.
GCG Error ellipse: s-maj=28.6km s-min=10.6km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=6.9km az=196.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
UCR Error ellipse: s-maj=37.2km s-min=28.0km az=-1.0.
ISC VI 14 07 29 03.8–.19 14.95N–.02 91.94W–.02 104–1 6.3b 3678 0-162
IDC VI 14 07 29 01.7–.76 15.12N 91.72W 81–5 6.3s,6.0 **¶616639690**
BGR VI 14 07 29 01.0 14.87N 90.03W 100 6.9,6.6s
INET VI 14 07 29 03.8–1.4 14.93N 92.19W 111–32 6.5W,6.6s
MOS VI 14 07 29 03.6–.98 15.03N 91.82W 108 6.5s,6.2b
BJI VI 14 07 29 03.1–.00 15.11N 91.80W 100 6.4b,6.2b
MEX VI 14 07 29 04.6–2.6 14.73N 92.32W 107–24 7.0,6.2b
NEIC VI 14 07 29 04.4–4.3 14.91N–.02 92.01W–.04 93–2 6.9,6.9
GCG VI 14 07 29 04.5–2.0 14.99N 91.94W 115 6.9,6.9
NEIC VI 14 07 29 05.6 14.92N 92.05W 94 6.9,6.9
SNET VI 14 07 29 06.6–1.3 14.99N 91.85W 112 6.9L,6.9
NEIC VI 14 07 29 06.7 15.02N 91.93W 80 6.9L,6.9
NEIC VI 14 07 29 06.7 15.02N 91.93W 80 6.9L,6.9
GCMT VI 14 07 29 07.7–.00 14.92N 92.17W 73–0 7.0W,6.9
ISC Event type ke.
IDC Error ellipse: s-maj=10.3km s-min=5.9km az=47.0.
BGR Event type ke.
INET Error ellipse: s-maj=16.5km s-min=45.7km az=-1.0.
MOS Error ellipse: s-maj=6.8km s-min=4.8km az=98.4.
MEX Error ellipse: s-maj=15.8km s-min=9.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=6.7km s-min=3.4km az=63.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{19}Nm; Mrr-0.73 Mθθ0.43 Mφφ0.31 Mrθ1.96 Mθφ-0.79 Mφr-1.51 NP1:φs307.56000°,δ79.61000°,λ-93.08000°. NP2:φs144.18000°,δ10.83000° ,λ-73.66000°. Principal axes: T 2.8576,Plg35.0000°,Azm40.0000°; N -0.4169,Plg3.0000° ,Azm308.0000°; P -2.4408,Plg55.0000°,Azm214.0000° M0 2.67000$\times10^{19}$
GCG Error ellipse: s-maj=79.3km s-min=42.4km az=-1.0.
NEIC Event type se.
SNET Error ellipse: s-maj=14.2km s-min=11.7km az=-1.0.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 14s1 Moment tensor: Scale 10^{19}Nm; Mrr-1.35 Mθθ0.69 Mφφ0.65 Mrθ1.90 Mθφ-1.13 Mφr-1.66 NP1:φs311.36000°,δ74.05000° ,λ-92.33000°. NP2:φs139.79000°,δ16.12000°,λ-81.90000°. Principal axes: T 3.1936,Plg29.0000°,Azm43.0000°; N -0.4474,Plg2.0000°,Azm312.0000° ; P -2.7462,Plg61.0000°,Azm218.0000° M0 2.97000$\times10^{19}$
GCMT nsta1 refers to body waves, cutoff=50s. nsta2 refers to surface/mantle waves, cutoff=125s. Triangular moment-rate function. Moment Tensor Solution. s168,c473; s166,c813; Duration: 7s3 Moment tensor: Scale 10^{19}Nm; Mrr-1.48±.01 Mθθ0.84±.01; Mφφ0.63±.01; Mrθ2.25±.01; Mθφ-1.10±.01; Mφr-1.83±.01; Best double couple: NP1:φs309.00000°,δ75.00000° ,λ-92.00000°. NP2:φs137.00000°,δ15.00000°,λ-83.00000°. Principal axes: T 3.5220,Plg30.0000°,Azm41.0000°; N -0.3620,Plg2.0000°,Azm310.0000° ; P -3.1640,Plg60.0000°,Azm217.0000° M0 3.34300$\times10^{19}$
ISC VI 14 07 52 41.2–.34 14.75N–.04 91.98W–.04 96–2 5.0b 978 0-147
GCG VI 14 07 52 41.6–1.0 14.85N 92.04W 85 4.8 **¶616773311**
MEX VI 14 07 52 41.3–1.5 14.55N 92.05W 94–8 5.2
NEIC VI 14 07 52 42.4–2.1 14.78N–.08 92.00W–.07 92–5 5.2,5.1b
IDC VI 14 07 52 42.5–.53 14.96N 91.55W 101–4 4.7,4.4b
SNET VI 14 07 52 42.1–2.4 14.81N 91.93W 99 5.3L,4.4b
ISC Event type ke.
GCG Error ellipse: s-maj=114.8km s-min=98.5km az=-1.0.
MEX Error ellipse: s-maj=11.0km s-min=13.7km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=7.2km az=214.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=17.2km s-min=7.5km az=62.0.
SNET Error ellipse: s-maj=12.8km s-min=14.9km az=-1.0.

(71) Near coast of Guatemala.

ISC I 07 13 27 21.9–.55 13.53N–.04 91.23W–.04 32–3 4.9b,4.3s 508 1-147
IDC I 07 13 27 17.7–.65 13.72N 90.89W 0 4.5,4.4b **¶610038963**
GCG I 07 13 27 20.6–2.8 13.48N 91.23W 10 4.7,4.4b
NEIC I 07 13 27 23.2–2.6 13.53N–.07 91.21W–.07 44–8 4.9b,4.4b
GCMT I 07 13 27 24.2–.20 13.43N–.02 91.35W–.02 28–0 5.1W,4.4b
SNET I 07 13 27 27.2–5.7 13.61N 90.99W 49 5.2L,4.4b
UPA I 07 13 27 28.1–9.1 8.28N 92.06W 0–999 4.6W,4.4b
ISC Event type se.
IDC Error ellipse: s-maj=24.6km s-min=10.8km az=41.0.
GCG Error ellipse: s-maj=76.8km s-min=198.7km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=7.4km az=224.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s86,c117; s103,c147;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr4.10±.15 Mθθ-4.21±.11; Mφφ0.10±.12; Mrθ3.21±.19; Mθφ1.87±.09; Mφr-1.85±.22; Best double couple: NP1:φs117.00000°,δ65.00000°,λ97.00000°. NP2:φs282.00000°,δ26.00000°,λ76.00000°. Principal axes: T 5.4670,Plg69.0000° ,Azm41.0000°; N 0.7390,Plg6.0000°,Azm294.0000°; P -6.2090,Plg20.0000°,Azm202.0000° M0 5.83800$\times10^{16}$
SNET Error ellipse: s-maj=38.5km s-min=25.6km az=-1.0.
UPA Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
ISC I 07 15 18 31.6–1.5 13.60N–.06 91.25W–.07 41–14 4.2b,3.5s 123 1-147
NEIC I 07 15 18 26.4–2.9 13.45N–.09 91.35W–.09 10–2 4.3b,3.5s **¶610049661**
IDC I 07 15 18 26.8–.94 13.65N 90.88W 0 4.1,4.1b
SNET I 07 15 18 29.9–1.7 13.44N 91.17W 10 4.8L,4.1b
INET I 07 15 18 34.7–1.4 13.58N 90.82W 0–3 3.5W,4.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.9km s-min=8.7km az=224.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=35.2km s-min=17.6km az=50.0.
SNET Error ellipse: s-maj=8.8km s-min=6.5km az=-1.0.
INET Error ellipse: s-maj=9.3km s-min=13.6km az=-1.0.
ISC I 07 23 30 04.0–2.6 13.5N–.20 91.2W–.10 35 15 1-3
SNET I 07 23 30 03.7–.84 13.72N 91.11W 22–5 3.2L **¶612523087**
GCG I 07 23 30 09.3–.34 14.08N 91.17W 60–12 3.8
ISC Event type ke.
SNET Error ellipse: s-maj=12.9km s-min=5.0km az=-1.0.
GCG Error ellipse: s-maj=10.9km s-min=2.7km az=-1.0.
ISC I 08 04 30 38.8–1.4 13.2N–.10 90.99W–.07 33 3.5b 20 1-64
IDC I 08 04 30 33.2–6.2 13.50N 90.20W 0 3.6,3.6b **¶610236941**
SNET I 08 04 30 37.0–.90 13.22N 90.96W 11–26 3.2L,3.6b
GCG I 08 04 30 48.0–.30 14.98N 90.68W 50 3.8,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=172.1km s-min=96.0km az=26.0.
SNET Error ellipse: s-maj=13.9km s-min=25.8km az=-1.0.
GCG Error ellipse: s-maj=15.5km s-min=12.5km az=-1.0.
ISC I 12 03 22 45.9–.34 13.94N–.04 91.17W–.04 51–2 5.3b,4.6s 1237 1-153
IDC I 12 03 22 40.4–2.0 13.98N 90.79W 14–11 5.3L,5.0 **¶610057044**
UPA I 12 03 22 41.0–.60 14.47N 91.40W 10–999 4.9W,5.0
SNET I 12 03 22 44.1–1.1 13.74N 91.32W 17 5.8L,5.0
GCG I 12 03 22 45.1–1.3 13.73N 91.36W 53 5.2,5.0
GCMT I 12 03 22 45.9–.20 13.72N–.01 91.57W–.01 40–1 5.3W,5.0
MOS I 12 03 22 46.6–1.3 14.02N 91.03W 69 5.5b,5.0
NEIC I 12 03 22 46.9–2.0 13.91N–.07 91.24W–.07 54–4 5.4b,5.3
INET I 12 03 22 48.3–2.0 13.91N 91.09W 18–17 4.8W,5.3
NEIC I 12 03 22 58.2 13.98N 91.16W 36 4.8W,5.3
ISC Event type se.
IDC Error ellipse: s-maj=19.7km s-min=12.1km az=52.0.
UPA Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
SNET Error ellipse: s-maj=7.3km s-min=6.3km az=-1.0.
GCG Error ellipse: s-maj=95.1km s-min=23.7km az=-1.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s100,c143; s118,c184;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; Mrr-0.15±.02 Mθθ-0.64±.02; Mφφ0.79±.02; Mrθ-0.59±.03; Mθφ-0.64±.02; Mφr0.43±.03; Best double couple: NP1:φs117.00000°,δ88.00000°,λ-143.00000°. NP2:φs25.00000°,δ53.00000°,λ-3.00000°. Principal axes: T 1.3060,Plg24.0000° ,Azm245.0000°; N -0.2160,Plg53.0000°,Azm119.0000°; P -1.0910,Plg27.0000° ,Azm348.0000° M0 1.19900$\times10^{17}$
MOS Error ellipse: s-maj=10.3km s-min=5.2km az=108.2.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=6.7km az=222.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
INET Error ellipse: s-maj=10.6km s-min=11.1km az=-1.0.
NEIC Event type se. Moment tensor Solution.Duration: 2s3 Moment tensor: Scale 10^{17}Nm; Mrr-0.20 Mθθ-0.46 Mφφ0.66 Mrθ-0.65 Mθφ-0.56 Mφr0.36 NP1:φs117.53000°,δ83.74000° ,λ-134.96000°. NP2:φs21.29000°,δ45.30000°,λ-8.82000°. Principal axes: T 1.1596,Plg25.0000°,Azm241.0000°; N -0.1392,Plg45.0000°,Azm124.0000° ; P -1.0205,Plg35.0000°,Azm350.0000° M0 1.09000$\times10^{17}$
ISC I 13 18 28 40.0–2.7 13.48N–.10 90.58W–.07 29–17 40 1-3
GCG I 13 18 28 45.6–.34 13.97N 90.78W 53–14 3.7 **¶615316493**
ISC Event type ke.
GCG Error ellipse: s-maj=21.0km s-min=5.6km az=-1.0.
ISC I 14 20 31 58.2–2.0 13.6N–.20 90.5W–.10 76–26 24 1-2
SNET I 14 20 31 56.9–1.0 13.77N 90.51W 86–8 3.0L **¶612523121**
GCG I 14 20 31 59.4–.43 13.90N 90.53W 91–14 3.6
ISC Event type ke.
SNET Error ellipse: s-maj=17.7km s-min=7.2km az=-1.0.
GCG Error ellipse: s-maj=12.3km s-min=4.1km az=-1.0.
ISC I 17 14 42 08.3–.75 14.0N–.10 91.34W–.06 61 4.1b 33 0-146
IDC I 17 14 42 10.8–1.8 14.15N 91.23W 82–16 4.0,3.7b **¶610237603**
GCG I 17 14 42 11.0–.47 14.08N 91.33W 51 4.2,3.7b
SNET I 17 14 42 11.0–.65 13.83N 91.15W 18–4 4.2L,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=31.9km s-min=10.7km az=40.0.
GCG Error ellipse: s-maj=51.7km s-min=19.5km az=-1.0.
SNET Error ellipse: s-maj=18.4km s-min=3.7km az=-1.0.
ISC I 20 04 53 04.3–2.2 13.7N–.10 91.30W–.07 25–17 29 1-3
SNET I 20 04 53 04.8–.90 13.77N 91.20W 15–5 3.8L **¶612523166**
GCG I 20 04 53 09.0–.43 14.17N 91.32W 52–7 3.6
ISC Event type ke.
SNET Error ellipse: s-maj=18.2km s-min=4.2km az=-1.0.
GCG Error ellipse: s-maj=10.2km s-min=4.3km az=-1.0.
ISC I 20 13 49 34.9–3.3 13.6N–.10 91.38W–.09 16–14 16 1-3
GCG I 20 13 49 34.6–.49 13.62N 91.47W 16–7 3.8 **¶612523170**
SNET I 20 13 49 36.2–.92 13.74N 91.28W 15–8 3.7L
ISC Event type ke.
GCG Error ellipse: s-maj=6.2km s-min=7.2km az=-1.0.
SNET Error ellipse: s-maj=33.6km s-min=8.6km az=-1.0.
ISC I 24 01 41 59.6–2.2 13.4N–.10 90.76W–.06 32–15 16 1-2
GCG I 24 01 42 01.3–.56 13.58N 90.91W 64–23 3.4 **¶612523202**
SNET I 24 01 42 01.7–.84 13.51N 90.75W 42–81 3.6L
ISC Event type ke.
GCG Error ellipse: s-maj=11.1km s-min=4.4km az=-1.0.
SNET Error ellipse: s-maj=12.4km s-min=7.4km az=-1.0.
ISC I 25 13 45 10.5–3.0 13.8N–.10 91.7W–.10 50 19 1-3
SNET I 25 13 45 11.6–1.1 14.01N 91.35W 3–12 4.1L **¶612523216**
GCG I 25 13 45 11.7–.34 14.14N 91.55W 78–38 3.8
ISC Event type ke.
SNET Error ellipse: s-maj=12.7km s-min=10.3km az=-1.0.
GCG Error ellipse: s-maj=21.8km s-min=19.8km az=-1.0.
ISC I 28 01 08 37.3–.41 13.69N–.06 91.81W–.05 35 4.6b,4.1s 294 1-146
GCG I 28 01 08 15.3–.80 12.52N 93.12W 28–999 4.7,4.1s **¶610145103**
NEIC I 28 01 08 35.5–2.5 13.70N–.06 91.87W–.07 10–1 4.7b,4.1s
SNET I 28 01 08 37.4–1.0 13.61N 91.66W 6–519 4.0L,4.1s
IDC I 28 01 08 41.4–3.0 13.88N 91.39W 70–27 4.3,4.1s
ISC Event type se.
GCG Error ellipse: s-maj=734.1km s-min=704.3km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=13.0km s-min=8.7km az=225.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SNET Error ellipse: s-maj=36.3km s-min=471.8km az=-1.0.
IDC Error ellipse: s-maj=28.6km s-min=10.6km az=54.0.
ISC I 28 02 33 15.3–3.1 13.6N–.10 91.8W–.20 10 25 1-4
SNET I 28 02 33 16.3–1.1 13.65N 91.80W 13–64 3.5L **¶612523235**
GCG I 28 02 33 26.0–.61 14.27N 91.60W 49–12 4.0
ISC Event type ke.
SNET Error ellipse: s-maj=26.0km s-min=54.0km az=-1.0.
GCG Error ellipse: s-maj=9.7km s-min=6.2km az=-1.0.
ISC I 28 18 29 52.4–3.1 13.7N–.10 91.1W–.10 15–12 16 1-2
GCG I 28 18 29 54.2–.62 13.94N 91.29W 76–29 3.4 **¶612523239**
SNET I 28 18 29 54.9–.77 13.64N 91.00W 14–6 3.5L
ISC Event type ke.
GCG Error ellipse: s-maj=20.1km s-min=4.1km az=-1.0.
SNET Error ellipse: s-maj=11.5km s-min=4.5km az=-1.0.
ISC II 05 01 29 35.8–3.1 13.5N–.10 90.72W–.10 11–15 20 1-2
SNET II 05 01 29 38.9–.61 13.42N 90.57W 13–4 3.0L **¶612523286**
GCG II 05 01 29 42.5–.35 14.05N 90.89W 44–8 3.4
ISC Event type ke.
SNET Error ellipse: s-maj=3.5km s-min=3.0km az=-1.0.
GCG Error ellipse: s-maj=4.7km s-min=2.0km az=-1.0.
ISC II 06 20 35 13.1–3.1 13.5N–.10 91.47W–.10 29–17 22 1-2
GCG II 06 20 35 14.2–.57 13.65N 91.50W 29–3 3.6 **¶612523294**
SNET II 06 20 35 15.8–1.2 13.86N 91.21W 18–13 3.0L
ISC Event type ke.
GCG Error ellipse: s-maj=4.4km s-min=4.0km az=-1.0.
SNET Error ellipse: s-maj=25.7km s-min=9.9km az=-1.0.
ISC II 09 06 43 50.4–3.7 13.9N–.10 91.8W–.20 29–22 16 0-3
GCG II 09 06 43 49.8–.49 14.22N 91.95W 50 3.5 **¶612523317**
SNET II 09 06 43 51.0–1.3 13.96N 91.46W 10–15 3.3L
ISC Event type ke.
GCG Error ellipse: s-maj=999.9km s-min=459.2km az=-1.0.
SNET Error ellipse: s-maj=44.8km s-min=25.9km az=-1.0.
ISC II 14 00 17 54.4–3.9 13.2N–.20 90.2W–.20 11–29 11 1-2
SNET II 14 00 17 56.3–1.0 13.37N 90.15W 48–36 2.9L **¶612523341**
GCG II 14 00 17 57.1–.31 13.32N 90.22W 29–58 3.4
ISC Event type ke.
SNET Error ellipse: s-maj=20.1km s-min=7.6km az=-1.0.
GCG Error ellipse: s-maj=31.6km s-min=17.6km az=-1.0.
ISC II 16 09 40 50.0–4.4 13.6N–.10 91.0W–.20 26–23 15 1-2
SNET II 16 09 40 50.3–.41 13.71N 90.95W 55–14 2.5L **¶612523355**
GCG II 16 09 40 51.2–.56 13.67N 90.79W 28–4 3.4
ISC Event type ke.
SNET Error ellipse: s-maj=8.4km s-min=3.9km az=-1.0.
GCG Error ellipse: s-maj=4.7km s-min=9.1km az=-1.0.
ISC II 16 21 48 29.2–.94 13.41N–.06 91.51W–.05 45–8 4.5b,3.8s 282 1-147
GCG II 16 21 48 20.7–.76 13.28N 91.87W 122–52 4.5,3.8s **¶610223756**
IDC II 16 21 48 24.3–.97 13.73N 91.13W 0 4.3,4.3b
SNET II 16 21 48 28.0–1.5 13.52N 91.31W 0–38 3.7L,4.3b
NEIC II 16 21 48 30.3–1.9 13.54N–.06 91.45W–.05 35–2 4.5b,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 18 23 31 19.3–.47 13.97N–.06 91.87W–.07 54 4.4b,3.7s 284 0-146
INET II 18 23 31 15.9–1.8 13.77N 92.13W 15–10 4.1W,3.7s **¶610231537**
NEIC II 18 23 31 18.2–2.2 13.90N–.05 91.99W–.06 35–2 4.5b,3.7s
GCG II 18 23 31 18.7–1.3 14.02N 92.02W 30 4.6,3.7s
IDC II 18 23 31 23.2–2.8 14.31N 91.38W 75–24 4.3,4.0b
ISC Event type se.
INET Error ellipse: s-maj=12.1km s-min=29.5km az=-1.0.

NEIC Event type se. Error ellipse: s-maj=9.7km s-min=8.5km az=259.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCG Error ellipse: s-maj=104.7km s-min=211.2km az=-1.0.
IDC Error ellipse: s-maj=27.3km s-min=11.9km az=51.0.
ISC II 22 04 12 47.6–1.9 13.43N–.09 90.50W–.05 28–14 29 1-3
SNET II 22 04 12 48.8–.76 13.55N 90.49W 41 3.5L **¶612523393**
GCG II 22 04 12 49.7–.74 13.55N 90.55W 46–53 3.4
ISC Event type ke.
SNET Error ellipse: s-maj=4.6km s-min=4.6km az=-1.0.
GCG Error ellipse: s-maj=14.6km s-min=5.2km az=-1.0.
ISC II 24 02 05 36.1–2.8 13.31N–.07 90.21W–.04 33–8 53 1-5
SNET II 24 02 05 35.1–1.1 13.32N 90.26W 52 4.0L **¶612454013**
INET II 24 02 05 39.6–1.3 13.60N 89.82W 100–23 3.3W
GCG II 24 02 05 40.0–.58 13.56N 90.43W 21–7 3.6
ISC Event type ke.
SNET Error ellipse: s-maj=3.7km s-min=3.7km az=-1.0.
INET Error ellipse: s-maj=14.1km s-min=11.7km az=-1.0.
GCG Error ellipse: s-maj=4.2km s-min=7.9km az=-1.0.
ISC II 26 12 05 42.9–2.1 13.56N–.09 90.93W–.06 12–12 19 1-3
GCG II 26 12 05 50.7–.82 13.95N 90.97W 45–41 3.6 **¶612523438**
SNET II 26 12 05 56.3–6.8 13.67N 90.32W 30 3.5L
ISC Event type ke.
GCG Error ellipse: s-maj=22.4km s-min=8.4km az=-1.0.
SNET Error ellipse: s-maj=38.9km s-min=38.2km az=-1.0.
ISC II 27 04 53 45.5–2.1 13.5N–.10 91.03W–.07 29 14 1-2
SNET II 27 04 53 45.4–.81 13.47N 90.94W 20–16 3.3L **¶612523443**
GCG II 27 04 53 49.9–.69 13.74N 91.05W 46–84 3.5
ISC Event type ke.
SNET Error ellipse: s-maj=37.0km s-min=18.6km az=-1.0.
GCG Error ellipse: s-maj=19.3km s-min=7.7km az=-1.0.
ISC II 27 12 53 27.4–3.6 13.5N–.20 90.7W–.10 38 10 1-1
GCG II 27 12 53 24.7–1.4 13.50N 90.38W 50–224 3.2 **¶612523446**
SNET II 27 12 53 27.1–.53 13.64N 90.73W 28–7 2.6L
ISC Event type ke.
GCG Error ellipse: s-maj=33.7km s-min=23.4km az=-1.0.
SNET Error ellipse: s-maj=19.3km s-min=7.8km az=-1.0.
ISC II 27 21 07 13.3–.77 13.99N–.08 91.61W–.06 60–6 4.3b,3.6s 109 0-146
GCG II 27 21 07 11.4–1.3 13.89N 91.70W 81–146 4.3,3.6s **¶610385155**
NEIC II 27 21 07 13.9–1.4 14.01N–.08 91.58W–.08 62–9 4.4b,3.6s
IDC II 27 21 07 13.8–1.3 14.11N 91.50W 55–6 3.9,3.8s
SNET II 27 21 07 24.0–14 14.06N 90.79W 20 4.0L,3.8s
ISC Event type se.
GCG Error ellipse: s-maj=158.0km s-min=124.1km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=7.3km az=223.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=59.3km s-min=11.0km az=40.0.
SNET Error ellipse: s-maj=95.2km s-min=44.8km az=-1.0.
ISC III 01 01 43 29.2–3.0 13.3N–.20 90.66W–.08 38 12 1-2
SNET III 01 01 43 30.8–.80 13.44N 90.58W 32–4 3.0L **¶612523453**
GCG III 01 01 43 34.1–.39 13.65N 90.73W 28–3 3.3
ISC Event type ke.
SNET Error ellipse: s-maj=8.9km s-min=9.3km az=-1.0.
GCG Error ellipse: s-maj=4.4km s-min=3.9km az=-1.0.
ISC III 05 12 21 33.9–2.3 13.8N–.10 91.32W–.09 10 24 1-3
GCG III 05 12 21 35.8–.29 13.73N 91.24W 6 3.8 **¶612523477**
SNET III 05 12 21 37.4–1.2 13.96N 91.14W 19–5 3.4L
ISC Event type ke.
GCG Error ellipse: s-maj=17.5km s-min=1.1km az=-1.0.
SNET Error ellipse: s-maj=12.1km s-min=6.5km az=-1.0.
ISC III 06 19 56 40.4–4.0 13.2N–.20 90.4W–.10 16–18 8 1-2
SNET III 06 19 56 42.9–.81 13.27N 90.28W 34–4 3.0L **¶612523496**
GCG III 06 19 56 45.8–.50 13.47N 90.53W 26–4 3.1
ISC Event type ke.
SNET Error ellipse: s-maj=4.4km s-min=8.4km az=-1.0.
GCG Error ellipse: s-maj=5.8km s-min=5.6km az=-1.0.
ISC III 07 23 34 05.9–3.1 13.4N–.20 90.48W–.06 34–4 20 1-2
SNET III 07 23 34 05.6–.82 13.60N 90.47W 72–10 3.0L **¶612523513**
GCG III 07 23 34 07.4–.55 13.52N 90.69W 19–9 3.5
ISC Event type ke.
SNET Error ellipse: s-maj=11.2km s-min=6.5km az=-1.0.
GCG Error ellipse: s-maj=4.3km s-min=11.0km az=-1.0.
ISC III 10 00 28 38.7–1.7 13.09N–.06 90.31W–.04 16–10 3.6b 41 1-52
IDC III 10 00 28 41.0–1.9 13.88N 89.74W 0 3.5,3.5L **¶610545911**
SNET III 10 00 28 44.4–2.4 13.32N 90.14W 6 3.8L,3.5L
GCG III 10 00 28 45.0–.52 13.37N 90.59W 10–16 3.8,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=61.3km s-min=19.5km az=38.0.
SNET Error ellipse: s-maj=7.1km s-min=10.3km az=-1.0.
GCG Error ellipse: s-maj=13.2km s-min=11.4km az=-1.0.
ISC III 10 13 13 19.3–.41 13.30N–.05 90.19W–.05 58 4.5b,3.9s 348 1-147
SNET III 10 13 13 16.6–1.5 13.24N 90.31W 10 4.9L,3.9s **¶610321349**
GCG III 10 13 13 17.8–.81 13.23N 90.34W 46 4.4,3.9s
INET III 10 13 13 19.3–1.5 13.25N 90.21W 18–14 4.9W,3.9s
IDC III 10 13 13 20.9–2.3 13.60N 89.74W 62–19 4.1,3.8s
NEIC III 10 13 13 21.3–2.2 13.38N–.08 90.13W–.07 60–8 4.6b,3.8s
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 12 00 39 56.4–1.7 13.25N–.08 90.63W–.06 20–5 3.5b 57 1-147
IDC III 12 00 39 50.9–2.6 13.50N 90.01W 0 3.6,3.5b **¶610546045**
SNET III 12 00 39 59.3–1.1 13.37N 90.55W 22 4.0L,4.0L
GCG III 12 00 40 00.9–.35 13.56N 90.72W 3–14 3.7,4.0L
INET III 12 00 40 01.3–1.1 13.66N 90.30W 15–7 2.9W,4.0L
ISC Event type ke.
IDC Error ellipse: s-maj=64.8km s-min=37.7km az=16.0.
SNET Error ellipse: s-maj=4.0km s-min=5.2km az=-1.0.
GCG Error ellipse: s-maj=17.3km s-min=5.9km az=-1.0.
INET Error ellipse: s-maj=27.6km s-min=6.9km az=-1.0.
ISC III 12 09 12 36.7–.50 13.33N–.04 90.86W–.04 33–2 4.8b,4.3s 542 1-147
IDC III 12 09 12 32.7–.64 13.70N 90.26W 0 4.7L,4.4 **¶610329796**
GCG III 12 09 12 36.4–.98 13.23N 90.84W 44 4.5,4.4
SNET III 12 09 12 36.3–1.5 13.21N 90.82W 12 4.4L,4.4
GCMT III 12 09 12 36.5–.20 13.12N–.02 91.23W–.02 16–1 5.0W,4.4
NEIC III 12 09 12 38.5–2.5 13.36N–.08 90.81W–.08 35–2 4.8b,4.4
ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s58,c73; s100,c153;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}3.12±.15 $M_{\theta\theta}$-2.34±.10; $M_{\phi\phi}$-0.77±.09; $M_{r\theta}$2.89±.28; $M_{\theta\phi}$0.98±.06; $M_{\phi r}$-2.40±.31; Best double couple: NP1:ϕ_s126.00000°,δ71.00000°,λ96.00000°. NP2:ϕ_s288.00000°,δ20.00000°,λ73.00000°. Principal axes: T 4.9810,Plg64.0000° ,Azm46.0000°; N -0.3980,Plg6.0000°,Azm304.0000°; P -4.5820,Plg26.0000°,Azm212.0000° $M_0$4.78100×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 12 21 33 46.3–2.3 13.7N–.10 91.23W–.09 29 11 1-2
SNET III 12 21 33 46.7–.56 13.70N 91.15W 20–5 3.7L **¶612523540**
GCG III 12 21 33 50.6–.65 14.13N 91.23W 50–11 3.5
ISC Event type ke.
SNET Error ellipse: s-maj=20.5km s-min=7.0km az=-1.0.
GCG Error ellipse: s-maj=15.5km s-min=4.9km az=-1.0.
ISC III 13 19 25 02.3–2.0 14.0N–.30 91.5W–.10 61 3.5b 10 1-146
IDC III 13 19 24 52.4–4.1 13.96N 90.83W 0 3.7s,3.4 **¶610546158**
GCG III 13 19 25 05.6–.61 14.16N 91.34W 50 4.0,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=131.0km s-min=55.2km az=31.0.
GCG Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
ISC III 14 19 13 23.8–2.8 14.0N–.20 90.87W–.07 100–25 18 0-1
SNET III 14 19 13 22.7–.91 13.96N 90.95W 93–19 3.7L **¶612523561**
GCG III 14 19 13 24.3–.62 13.97N 90.87W 85–8 3.7
ISC Event type ke.
SNET Error ellipse: s-maj=22.3km s-min=13.4km az=-1.0.
GCG Error ellipse: s-maj=9.5km s-min=2.8km az=-1.0.
ISC III 18 11 12 00.1–6.9 13.5N–.20 90.9W–.10 39–43 17 1-2
GCG III 18 11 11 58.0–.46 13.43N 90.92W 26–6 3.4 **¶612523589**
SNET III 18 11 12 01.5–.87 13.45N 90.73W 11–13 2.8L
ISC Event type ke.
GCG Error ellipse: s-maj=5.5km s-min=5.9km az=-1.0.
SNET Error ellipse: s-maj=7.5km s-min=10.9km az=-1.0.
ISC III 21 08 44 12.0–.69 13.85N–.06 90.32W–.04 116–5 4.5b 196 1-147
SNET III 21 08 44 13.8–2.1 13.84N 90.31W 91 4.7L **¶610394881**
NEIC III 21 08 44 13.0–2.2 13.89N–.09 90.28W–.05 106–11 4.6b
IDC III 21 08 44 14.0–2.3 14.11N 89.97W 127–18 4.1,3.7b
GCG III 21 08 44 14.3–.64 14.00N 90.41W 109–11 4.2,3.7b
INET III 21 08 44 14.2–1.0 13.87N 90.23W 75 5.0L,3.7b
ISC Event type se.
SNET Error ellipse: s-maj=8.0km s-min=4.7km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=14.0km s-min=7.2km az=192.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=31.1km s-min=17.7km az=49.0.
GCG Error ellipse: s-maj=19.5km s-min=5.6km az=-1.0.
INET Error ellipse: s-maj=4.7km s-min=3.4km az=-1.0.
ISC III 25 03 22 37.7–3.0 13.7N–.20 91.6W–.10 28 10 1-2
GCG III 25 03 22 38.1–.49 13.66N 91.65W 50–6 3.4 **¶612523647**
SNET III 25 03 22 40.9–.68 13.82N 91.34W 19–4 2.8L
ISC Event type ke.
GCG Error ellipse: s-maj=8.8km s-min=7.0km az=-1.0.
SNET Error ellipse: s-maj=26.2km s-min=4.9km az=-1.0.
ISC III 30 06 03 08.2–2.2 13.5N–.10 90.85W–.07 34–5 17 1-2
SNET III 30 06 03 10.3–.79 13.49N 90.64W 21–6 2.6L **¶612523676**
GCG III 30 06 03 12.8–1.5 13.99N 90.93W 75–25 2.9
ISC Event type ke.
SNET Error ellipse: s-maj=8.2km s-min=5.3km az=-1.0.
GCG Error ellipse: s-maj=24.6km s-min=8.1km az=-1.0.
ISC IV 01 02 30 33.6–3.5 14.0N–.20 91.7W–.20 59–30 19 0-3
GCG IV 01 02 30 31.6–.34 14.10N 91.68W 92–52 3.6 **¶612523694**
SNET IV 01 02 30 35.7–1.1 14.07N 91.45W 27–999 3.2L
ISC Event type ke.
GCG Error ellipse: s-maj=29.3km s-min=31.6km az=-1.0.
SNET Error ellipse: s-maj=93.5km s-min=918.4km az=-1.0.
ISC IV 04 10 03 53.5–2.4 13.5N–.20 90.6W–.10 66–33 25 1-2
GCG IV 04 10 03 53.2–.80 13.48N 90.72W 50–69 3.2 **¶612523713**
SNET IV 04 10 03 54.3–.94 13.77N 90.46W 82–8 2.6L
ISC Event type ke.
GCG Error ellipse: s-maj=17.9km s-min=6.2km az=-1.0.
SNET Error ellipse: s-maj=12.8km s-min=6.2km az=-1.0.
ISC IV 10 05 58 01.1–2.9 13.5N–.10 90.79W–.07 33–4 20 1-2
SNET IV 10 05 58 00.2–.64 13.42N 90.71W 11–8 3.2L **¶612523780**
GCG IV 10 05 58 01.7–.81 13.57N 90.86W 46–6 3.2
ISC Event type ke.
SNET Error ellipse: s-maj=5.5km s-min=6.5km az=-1.0.
GCG Error ellipse: s-maj=11.8km s-min=5.7km az=-1.0.
ISC IV 11 09 35 21.3–1.8 13.6N–.20 90.49W–.09 48–57 20 1-3
SNET IV 11 09 35 20.8–.93 13.75N 90.43W 73–13 3.1L **¶612523859**
GCG IV 11 09 35 28.2–.69 14.34N 90.67W 50–23 3.4
ISC Event type ke.
SNET Error ellipse: s-maj=17.1km s-min=8.6km az=-1.0.
GCG Error ellipse: s-maj=45.3km s-min=9.5km az=-1.0.
ISC IV 13 03 27 03.4–2.7 13.4N–.10 90.93W–.08 28–16 15 1-2
SNET IV 13 03 27 04.2–.85 13.50N 90.87W 18–8 3.0L **¶612523892**
GCG IV 13 03 27 09.5–.49 13.85N 90.93W 83–13 3.2
ISC Event type ke.
SNET Error ellipse: s-maj=18.3km s-min=8.9km az=-1.0.
GCG Error ellipse: s-maj=15.1km s-min=3.3km az=-1.0.
ISC IV 17 02 33 52.8–1.9 13.6N–.10 90.93W–.06 55–53 27 1-2
SNET IV 17 02 33 53.9–.60 13.82N 90.85W 36–999 3.4L **¶612523955**
GCG IV 17 02 33 55.5–.68 13.94N 90.91W 68–8 3.0
ISC Event type ke.
SNET Error ellipse: s-maj=17.6km s-min=6.0km az=-1.0.
GCG Error ellipse: s-maj=9.2km s-min=2.9km az=-1.0.
ISC IV 19 23 45 32.4–3.0 13.9N–.10 91.7W–.10 20–7 24 0-2
GCG IV 19 23 45 36.0–.71 14.33N 91.69W 70–11 3.6 **¶612523986**
SNET IV 19 23 45 37.8–1.1 14.25N 91.41W 26–210 3.3L
ISC Event type ke.
GCG Error ellipse: s-maj=11.7km s-min=4.1km az=-1.0.
SNET Error ellipse: s-maj=20.8km s-min=129.0km az=-1.0.
ISC IV 22 00 24 39.9–1.6 13.22N–.06 90.88W–.04 32–11 4.0b,3.5s 104 1-147
IDC IV 22 00 24 36.8–1.2 13.65N 90.24W 0 3.8,3.8b **¶610653229**
NEIC IV 22 00 24 38.4–2.2 13.15N–.08 90.97W–.07 10–1 4.1b,3.8b
GCG IV 22 00 24 42.8–.48 13.40N 91.04W 23–5 4.0,3.8b
SNET IV 22 00 24 42.5–1.0 13.48N 90.83W 29–5 3.9L,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=47.7km s-min=17.7km az=44.0.
NEIC Event type se. Error ellipse: s-maj=16.0km s-min=9.0km az=218.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCG Error ellipse: s-maj=6.9km s-min=4.2km az=-1.0.
SNET Error ellipse: s-maj=6.8km s-min=4.0km az=-1.0.
ISC IV 22 05 22 34.1–1.4 13.1N–.10 90.77W–.07 10 3.9b 21 1-62
SNET IV 22 05 22 34.7–.55 13.10N 90.86W 11–10 3.2L **¶610653241**
IDC IV 22 05 22 37.4–2.3 14.34N 89.88W 0 3.7b,3.5
ISC Event type ke.
SNET Error ellipse: s-maj=5.5km s-min=11.8km az=-1.0.
IDC Error ellipse: s-maj=68.3km s-min=27.0km az=36.0.
ISC IV 22 08 49 28.1–3.9 13.6N–.10 91.2W–.10 30–21 16 1-2
GCG IV 22 08 49 32.4–.49 13.94N 91.21W 59–21 3.4 **¶612524011**
SNET IV 22 08 49 32.0–.81 13.63N 90.93W 15–10 2.6L
ISC Event type ke.
GCG Error ellipse: s-maj=9.4km s-min=2.8km az=-1.0.
SNET Error ellipse: s-maj=24.3km s-min=9.1km az=-1.0.
ISC IV 26 01 44 57.1–2.1 13.7N–.20 91.37W–.07 35 12 1-51
IDC IV 26 01 44 54.4–9.6 14.45N 90.76W 0 3.5L,3.2 **¶610650024**
GCG IV 26 01 44 58.0–.88 13.80N 91.26W 50–114 3.8,3.2
ISC Event type ke.
IDC Error ellipse: s-maj=213.2km s-min=53.6km az=13.0.
GCG Error ellipse: s-maj=19.3km s-min=6.6km az=-1.0.
ISC IV 28 01 29 11.4–2.3 13.8N–.10 91.44W–.09 32–15 16 1-2
SNET IV 28 01 29 13.4–1.2 13.99N 91.19W 18–7 2.7L **¶612524088**
GCG IV 28 01 29 13.3–.45 13.99N 91.39W 53–14 3.3
ISC Event type ke.
SNET Error ellipse: s-maj=23.0km s-min=9.3km az=-1.0.
GCG Error ellipse: s-maj=7.7km s-min=2.6km az=-1.0.
ISC IV 30 08 51 42.8–2.7 14.0N–.10 91.6W–.10 58–16 23 0-2
SNET IV 30 08 51 44.6–1.6 14.19N 91.28W 8–11 3.2L **¶612524108**
GCG IV 30 08 51 47.5–.68 14.33N 91.43W 42–7 3.4
ISC Event type ke.
SNET Error ellipse: s-maj=9.0km s-min=7.4km az=-1.0.
GCG Error ellipse: s-maj=4.5km s-min=3.6km az=-1.0.
ISC V 06 10 33 02.0–4.3 13.2N–.20 90.37W–.07 34–5 13 1-2
SNET V 06 10 33 02.6–2.1 13.53N 90.31W 0–319 3.1L **¶612524147**
GCG V 06 10 33 05.2–.44 13.48N 90.55W 18–5 3.5
ISC Event type ke.
SNET Error ellipse: s-maj=128.8km s-min=532.0km az=-1.0.
GCG Error ellipse: s-maj=3.4km s-min=4.6km az=-1.0.
ISC V 06 19 42 40.7–2.0 13.39N–.09 90.77W–.05 30–13 3.8s 35 1-147
INET V 06 19 42 31.0 13.44N 90.77W 10 3.8W **¶610689683**
IDC V 06 19 42 37.8–2.7 13.72N 90.59W 0 3.8L,3.5
GCG V 06 19 42 38.6–.81 13.23N 90.77W 33–63 4.0,3.5
SNET V 06 19 42 41.7–1.6 13.54N 90.72W 27 4.3L,3.5
ISC Event type ke.

IDC Error ellipse: s-maj=131.9km s-min=25.6km az=38.0.
GCG Error ellipse: s-maj=42.0km s-min=9.6km az=-1.0.
SNET Error ellipse: s-maj=16.4km s-min=9.4km az=-1.0.
ISC V 09 14 15 45.3–.52 13.83N–.07 90.56W–.06 73 5.0b 122 1-147
SNET V 09 14 15 46.7–2.5 13.81N 90.62W 10 5.1L **¶610619071**
NEIC V 09 14 15 48.1–1.6 13.75N–.10 90.50W–.05 78–12 5.1b
IDC V 09 14 15 49.3–2.6 14.06N 90.32W 112–22 4.4,4.1b
GCG V 09 14 15 49.7–.71 13.75N 90.56W 69–34 4.4,4.1b
INET V 09 14 15 50.0–1.3 13.81N 90.50W 66–35 4.2W,4.1b
ISC Event type se.
SNET Error ellipse: s-maj=40.7km s-min=19.0km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=15.4km s-min=5.4km az=201.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=24.5km s-min=15.9km az=45.0.
GCG Error ellipse: s-maj=183.6km s-min=34.7km az=-1.0.
INET Error ellipse: s-maj=10.8km s-min=6.3km az=-1.0.
ISC V 11 22 02 33.5–.61 13.48N–.05 90.30W–.04 62–5 4.5b 242 1-147
IDC V 11 22 02 32.7–2.1 13.66N 89.98W 57–19 4.1,3.8b **¶610630728**
SNET V 11 22 02 33.8–2.2 13.49N 90.28W 21 5.1L,3.8b
INET V 11 22 02 33.6–1.3 13.41N 90.37W 27–33 4.8W,3.8b
NEIC V 11 22 02 34.9 13.51N 90.27W 55 4.8W,3.8b
NEIC V 11 22 02 34.6–2.0 13.50N–.07 90.28W–.04 58–8 4.5b,4.4
GCG V 11 22 02 40.6–.48 13.94N 90.59W 44–17 4.2,4.4
ISC Event type se.
IDC Error ellipse: s-maj=23.5km s-min=10.8km az=56.0.
SNET Error ellipse: s-maj=7.6km s-min=12.7km az=-1.0.
INET Error ellipse: s-maj=8.6km s-min=7.3km az=-1.0.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=5.4km az=198.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-3.17 $M_{\theta\theta}$3.47 $M_{\phi\phi}$-0.30 $M_{r\theta}$-2.67 $M_{\theta\phi}$-0.47 $M_{\phi r}$2.03 NP1:ϕ_s117.50000°,δ68.29000°,λ-72.94000°. NP2:ϕ_s257.82000° ,δ27.35000°,λ-126.38000°. Principal axes: T 4.6802,Plg22.0000°,Azm195.0000° ; N 0.1340,Plg16.0000°,Azm291.0000°; P -4.8142,Plg63.0000°,Azm55.0000° $M_0$4.75000×10^{15}
GCG Error ellipse: s-maj=19.7km s-min=7.9km az=-1.0.
ISC V 12 20 18 43.6–2.4 13.3N–.10 90.35W–.07 15–11 15 1-2
SNET V 12 20 18 46.6–.62 13.41N 90.33W 25–8 3.4L **¶612524185**
GCG V 12 20 18 49.1–.53 13.55N 90.52W 64–20 3.6
ISC Event type ke.
SNET Error ellipse: s-maj=5.0km s-min=4.9km az=-1.0.
GCG Error ellipse: s-maj=11.3km s-min=4.0km az=-1.0.
ISC V 13 01 57 45.9–2.5 13.7N–.20 91.0W–.10 9–16 13 1-1
GCG V 13 01 57 49.0–.53 13.76N 91.06W 33–2 3.4 **¶612524188**
SNET V 13 01 57 49.7–1.1 13.49N 90.79W 15–999 2.6L
ISC Event type ke.
GCG Error ellipse: s-maj=4.3km s-min=2.6km az=-1.0.
SNET Error ellipse: s-maj=47.1km s-min=44.8km az=-1.0.
ISC V 14 21 36 48.2–.96 13.01N–.05 90.06W–.05 60–8 4.5b 273 1-147
IDC V 14 21 36 42.0–.75 13.32N 89.63W 0 4.2,4.2b **¶610638712**
NEIC V 14 21 36 42.7–2.0 12.98N–.06 90.05W–.06 10–1 4.7b,4.2b
SNET V 14 21 36 44.2–1.8 12.75N 90.27W 50 4.6L,4.2b
INET V 14 21 36 46.0–1.2 12.85N 90.11W 15–9 4.1W,4.2b
GCG V 14 21 36 47.3–3.2 13.35N 89.73W 22 4.2,4.2b
UCR V 14 21 36 54.3–1.1 13.10N 89.16W 0–793 4.7b,4.0W
ISC Event type se.
IDC Error ellipse: s-maj=30.4km s-min=13.7km az=53.0.
NEIC Event type se. Error ellipse: s-maj=11.4km s-min=8.6km az=210.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SNET Error ellipse: s-maj=12.4km s-min=19.6km az=-1.0.
INET Error ellipse: s-maj=7.2km s-min=7.1km az=-1.0.
GCG Error ellipse: s-maj=118.8km s-min=86.4km az=-1.0.
UCR Error ellipse: s-maj=872.5km s-min=999.9km az=-1.0.
ISC V 16 15 18 47.2–2.7 13.3N–.10 90.13W–.07 27–15 21 1-2
SNET V 16 15 18 44.4–2.8 13.29N 90.27W 31 3.8L **¶612524223**
GCG V 16 15 18 51.5–.52 13.53N 90.36W 26–5 3.6
ISC Event type ke.
SNET Error ellipse: s-maj=12.8km s-min=16.4km az=-1.0.
GCG Error ellipse: s-maj=4.7km s-min=6.2km az=-1.0.
ISC V 17 00 13 21.0–2.6 13.4N–.10 91.04W–.09 35 26 1-2
GCG V 17 00 13 25.4–.28 13.65N 91.11W 10 3.7 **¶612524236**
SNET V 17 00 13 28.6–1.2 13.46N 90.60W 24–9 2.8L
ISC Event type ke.
GCG Error ellipse: s-maj=14.4km s-min=1.1km az=-1.0.
SNET Error ellipse: s-maj=11.8km s-min=12.6km az=-1.0.
ISC V 19 15 44 08.1–2.1 13.28N–.10 90.14W–.06 29–13 26 1-2
SNET V 19 15 44 09.5–1.6 13.33N 90.04W 31–7 2.6L **¶612524265**
GCG V 19 15 44 11.0–.34 13.42N 90.44W 10–11 3.3
ISC Event type ke.
SNET Error ellipse: s-maj=8.2km s-min=8.1km az=-1.0.
GCG Error ellipse: s-maj=7.4km s-min=8.6km az=-1.0.
ISC V 19 22 19 51.2–2.3 13.2N–.10 90.11W–.06 27–14 23 1-2
GCG V 19 22 19 51.4–.31 13.28N 90.34W 5–9 3.5 **¶612524270**
SNET V 19 22 19 51.4–1.0 13.24N 90.09W 29–6 2.5L
ISC Event type ke.
GCG Error ellipse: s-maj=7.1km s-min=4.8km az=-1.0.
SNET Error ellipse: s-maj=5.5km s-min=4.7km az=-1.0.
ISC V 22 05 42 38.5–.93 13.61N–.07 90.92W–.05 85–7 4.1b 150 1-79
IDC V 22 05 42 22.9–6.3 12.90N 90.26W 0 4.1L,3.9 **¶610685129**
GCG V 22 05 42 29.8–.52 13.09N 91.00W 12–9 4.2,3.9
NEIC V 22 05 42 38.6–1.6 13.63N–.06 90.90W–.07 78–6 4.1b,3.9
INET V 22 05 42 39.6–1.5 13.76N 90.88W 20–40 3.6W,3.9
SNET V 22 05 42 40.3–2.8 13.98N 90.74W 84 4.7L,3.9
ISC Event type se.
IDC Error ellipse: s-maj=115.9km s-min=38.5km az=177.0.
GCG Error ellipse: s-maj=5.8km s-min=6.3km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=7.2km az=53.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
INET Error ellipse: s-maj=11.0km s-min=8.8km az=-1.0.
SNET Error ellipse: s-maj=23.7km s-min=12.7km az=-1.0.
ISC V 23 21 44 50.6–2.7 13.4N–.10 90.69W–.08 24–17 21 1-3
SNET V 23 21 44 51.2–.93 13.39N 90.61W 18–8 3.5L **¶612524311**
GCG V 23 21 44 53.0–.69 13.57N 90.77W 30–3 3.6
ISC Event type ke.
SNET Error ellipse: s-maj=11.1km s-min=10.9km az=-1.0.
GCG Error ellipse: s-maj=5.1km s-min=4.2km az=-1.0.
ISC V 24 01 50 17.9–2.0 13.1N–.10 90.43W–.06 10 23 1-3
SNET V 24 01 50 22.0–.82 13.18N 90.25W 18–7 3.1L **¶612524315**
GCG V 24 01 50 23.0–.76 13.35N 90.70W 0–23 3.7
ISC Event type ke.
SNET Error ellipse: s-maj=6.4km s-min=8.5km az=-1.0.
GCG Error ellipse: s-maj=39.7km s-min=8.5km az=-1.0.
ISC V 25 09 36 50.6–3.0 13.3N–.10 90.43W–.06 20–11 27 1-2
SNET V 25 09 36 52.1–1.1 13.37N 90.38W 25–6 2.9L **¶612524335**
GCG V 25 09 36 53.7–.39 13.46N 90.56W 20–4 3.2
ISC Event type ke.
SNET Error ellipse: s-maj=10.4km s-min=6.0km az=-1.0.
GCG Error ellipse: s-maj=2.8km s-min=4.1km az=-1.0.
ISC V 27 11 37 27.7–2.9 13.8N–.10 91.7W–.10 47–27 25 1-3
SNET V 27 11 37 29.6–1.1 14.01N 91.38W 11–8 3.4L **¶612524353**
GCG V 27 11 37 33.0–.77 14.46N 91.50W 44–41 3.6
ISC Event type ke.
SNET Error ellipse: s-maj=6.4km s-min=6.3km az=-1.0.
GCG Error ellipse: s-maj=64.2km s-min=7.7km az=-1.0.
ISC VI 01 08 35 29.7–1.1 13.9N–.10 91.95W–.07 54 3.6b 33 1-146
IDC VI 01 08 35 24.5–2.1 13.96N 92.00W 0 4.0L,3.8 **¶610791043**
SNET VI 01 08 35 30.3–1.2 14.27N 91.79W 35–999 3.4L,3.8
GCG VI 01 08 35 33.8–.34 14.30N 91.67W 54–38 4.0,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=56.4km s-min=25.6km az=35.0.
SNET Error ellipse: s-maj=45.6km s-min=25.7km az=-1.0.
GCG Error ellipse: s-maj=19.2km s-min=34.4km az=-1.0.
ISC VI 01 17 49 46.5–2.7 13.5N–.20 90.93W–.10 29 11 1-1
GCG VI 01 17 49 41.2–.43 13.15N 91.03W 10–494 3.4 **¶612524407**
SNET VI 01 17 49 49.5–.58 13.46N 90.78W 18–328 3.3L
ISC Event type ke.
GCG Error ellipse: s-maj=348.7km s-min=105.4km az=-1.0.
SNET Error ellipse: s-maj=63.3km s-min=198.6km az=-1.0.
ISC VI 04 14 48 50.4–1.7 13.6N–.20 90.93W–.09 58–49 36 1-3
SNET VI 04 14 48 51.6–.78 13.67N 90.85W 33–12 2.9L **¶612334858**
MEX VI 04 14 48 52.7–.38 13.49N 91.21W 10 3.6
GCG VI 04 14 48 52.1–1.5 13.76N 90.99W 62–41 3.2
ISC Event type ke.
SNET Error ellipse: s-maj=11.4km s-min=4.3km az=-1.0.
MEX Error ellipse: s-maj=14.5km s-min=25.7km az=-1.0.
GCG Error ellipse: s-maj=26.3km s-min=9.7km az=-1.0.
ISC VI 09 06 32 00.6–2.5 13.3N–.10 91.38W–.10 28 19 1-3
GCG VI 09 06 32 00.2–.74 13.31N 91.56W 71–112 3.5 **¶612524474**
SNET VI 09 06 32 00.9–1.1 13.37N 91.27W 13–23 3.1L
ISC Event type ke.
GCG Error ellipse: s-maj=46.4km s-min=15.5km az=-1.0.
SNET Error ellipse: s-maj=16.0km s-min=15.9km az=-1.0.
ISC VI 13 04 00 56.0–3.4 13.5N–.10 91.5W–.10 5–16 19 1-4
SNET VI 13 04 00 58.1–.84 13.41N 91.63W 35–436 3.3L **¶612524512**
GCG VI 13 04 01 06.2–.54 14.15N 91.50W 62–6 3.9
ISC Event type ke.
SNET Error ellipse: s-maj=51.0km s-min=272.9km az=-1.0.
GCG Error ellipse: s-maj=13.6km s-min=7.8km az=-1.0.
ISC VI 20 20 33 58.5–1.3 13.75N–.07 91.44W–.06 52–11 4.3b,3.5s 169 1-146
IDC VI 20 20 33 53.0–1.4 14.07N 90.88W 0 4.0,4.0b **¶610686638**
GCG VI 20 20 33 54.1–.76 13.53N 91.75W 20 4.0,4.0b
NEIC VI 20 20 33 58.5–1.7 13.80N–.07 91.41W–.06 46–8 4.4,4.4b
SNET VI 20 20 34 00.5–1.8 13.91N 91.25W 83 4.3L,4.4b
ISC Event type se.
IDC Error ellipse: s-maj=47.0km s-min=20.6km az=42.0.
GCG Error ellipse: s-maj=15.2km s-min=10.2km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=6.6km az=214.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SNET Error ellipse: s-maj=15.3km s-min=16.7km az=-1.0.
ISC VI 21 08 26 27.5–2.4 13.9N–.10 91.56W–.10 10–12 23 0-3
SNET VI 21 08 26 29.6–.82 13.96N 91.48W 14–83 3.4L **¶612524557**
GCG VI 21 08 26 30.5–.39 13.91N 91.49W 21–2 3.5
ISC Event type ke.
SNET Error ellipse: s-maj=18.4km s-min=53.8km az=-1.0.
GCG Error ellipse: s-maj=3.5km s-min=2.5km az=-1.0.
ISC VI 22 00 38 32.0–2.8 13.1N–.10 90.35W–.07 24–16 18 1-2
SNET VI 22 00 38 33.4–.57 13.20N 90.29W 26–5 3.4L **¶612524561**
GCG VI 22 00 38 33.4–.35 13.15N 90.66W 35–999 3.7
ISC Event type ke.
SNET Error ellipse: s-maj=4.1km s-min=4.4km az=-1.0.
GCG Error ellipse: s-maj=15.8km s-min=7.8km az=-1.0.
ISC VI 22 12 31 02.7–.27 13.63N–.02 91.00W–.03 42–1 6.7s,6.0b 2832 1-162
IDC VI 22 12 30 56.6–.28 13.80N 90.79W 0 6.5s,5.5L **¶611834165**
BGR VI 22 12 31 01.2 13.10N 89.60W 33 6.8s,6.7
BJI VI 22 12 31 01.5–.00 13.64N 90.91W 40 7.0s,6.9
UPA VI 22 12 31 02.6–2.1 14.22N 90.99W 10–999 6.2W,6.9
INET VI 22 12 31 03.5–1.4 13.70N 91.05W 15–110 6.3W,6.9
NEIC VI 22 12 31 03.5–3.0 13.72N–.07 90.97W–.06 38–3 6.8,6.6
MOS VI 22 12 31 03.2–1.3 13.91N 90.79W 51 6.7s,6.2b
NEIC VI 22 12 31 03.5 13.74N 90.94W 34 6.7s,6.2b
NEIC VI 22 12 31 03.8 13.55N 91.14W 36 6.7s,6.2b
GCG VI 22 12 31 03.4–.63 13.70N 91.09W 39 6.7,6.2b
NEIC VI 22 12 31 03.8 13.75N 90.93W 36 6.7,6.2b
GCMT VI 22 12 31 08.5–.00 13.57N 91.38W 38–0 6.8W,6.2b
SNET VI 22 12 31 08.6–7.8 13.77N 90.88W 44 6.8W,6.2b
ISC Event type se.
IDC Error ellipse: s-maj=13.2km s-min=7.9km az=56.0.
BGR Event type ke.
UPA Error ellipse: s-maj=513.6km s-min=931.7km az=-1.0.
INET Error ellipse: s-maj=9.8km s-min=10.3km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=7.0km az=214.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{19}Nm; M_{rr}0.87 $M_{\theta\theta}$-0.78 $M_{\phi\phi}$-0.08 $M_{r\theta}$0.67 $M_{\theta\phi}$0.14 $M_{\phi r}$-0.24 NP1:ϕ_s106.17000°,δ65.24000°,λ94.10000°. NP2:ϕ_s276.46000°,δ25.07000° ,λ81.19000°. Principal axes: T 1.1313,Plg69.0000°,Azm24.0000°; N -0.0615,Plg4.0000° ,Azm284.0000°; P -1.0698,Plg20.0000°,Azm193.0000° $M_0$1.10000×10^{19}
MOS Error ellipse: s-maj=7.8km s-min=5.2km az=102.5.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 12^{s}6 Moment tensor: Scale 10^{19}Nm; M_{rr}1.49 $M_{\theta\theta}$-1.20 $M_{\phi\phi}$-0.30 $M_{r\theta}$0.83 $M_{\theta\phi}$0.68 $M_{\phi r}$-0.48 NP1:ϕ_s119.23000°,δ60.98000° ,λ90.89000°. NP2:ϕ_s297.38000°,δ29.03000°,λ88.39000°. Principal axes: T 1.7661,Plg74.0000°,Azm32.0000°; N 0.0700,Plg1.0000°,Azm299.0000° ; P -1.8361,Plg16.0000°,Azm209.0000° $M_0$1.80000×10^{19}
GCG Error ellipse: s-maj=41.6km s-min=5.9km az=-1.0.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=50s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s168,c451; s165,c787; Duration: 6^{s}0 Moment tensor: Scale 10^{19}Nm; M_{rr}1.66±.01 $M_{\theta\theta}$-1.28±.01; $M_{\phi\phi}$-0.37±.01; $M_{r\theta}$0.62±.01; $M_{\theta\phi}$0.69±.00; $M_{\phi r}$-0.47±.01; Best double couple: NP1:ϕ_s122.00000°,δ57.00000° ,λ94.00000°. NP2:ϕ_s295.00000°,δ33.00000°,λ84.00000°. Principal axes: T 1.8340,Plg77.0000°,Azm45.0000°; N -0.0080,Plg3.0000°,Azm300.0000° ; P -1.8220,Plg12.0000°,Azm209.0000° $M_0$1.82800×10^{19}
SNET Error ellipse: s-maj=142.8km s-min=37.3km az=-1.0.
ISC VI 22 12 48 06.0–.79 13.55N–.07 91.06W–.05 28–4 4.2b 41 1-147
IDC VI 22 12 48 07.3–1.2 13.90N 90.45W 33–5 4.1,4.0b **¶610789272**
SNET VI 22 12 48 07.7–2.2 13.77N 91.04W 53 4.6L,4.5L
GCG VI 22 12 48 11.5–.36 14.04N 91.12W 64–10 4.3,4.5L
ISC Event type se.
IDC Error ellipse: s-maj=52.0km s-min=20.2km az=50.0.
SNET Error ellipse: s-maj=27.5km s-min=12.2km az=-1.0.
GCG Error ellipse: s-maj=8.5km s-min=2.3km az=-1.0.
ISC VI 22 13 27 43.7–1.9 13.65N–.10 91.03W–.06 4–11 21 1-147
IDC VI 22 13 27 41.8–5.5 13.66N 90.87W 0 4.0L,3.7b **¶610789275**
SNET VI 22 13 27 46.8–1.6 13.62N 90.92W 4 3.8L,3.7L
GCG VI 22 13 27 48.6–.55 13.81N 91.10W 35–27 3.8,3.7L
ISC Event type ke.
IDC Error ellipse: s-maj=429.5km s-min=74.2km az=45.0.
SNET Error ellipse: s-maj=18.6km s-min=9.7km az=-1.0.
GCG Error ellipse: s-maj=24.0km s-min=3.7km az=-1.0.
ISC VI 22 14 28 08.6–1.6 13.59N–.07 91.13W–.05 16–9 4.3b 105 1-147
IDC VI 22 14 28 07.3–1.0 13.97N 90.48W 0 4.5L,4.3s **¶610789276**
INET VI 22 14 28 10.4–3.5 13.37N 91.26W 32–29 4.5W,4.3s
SNET VI 22 14 28 10.7–4.7 13.66N 91.12W 13 4.6L,4.5L
NEIC VI 22 14 28 11.8–2.3 13.66N–.06 91.07W–.09 35–2 4.3b,4.5L
GCG VI 22 14 28 14.5–2.5 13.75N 91.18W 36 4.4,4.5L
ISC Event type se.
IDC Error ellipse: s-maj=41.9km s-min=19.6km az=52.0.
INET Error ellipse: s-maj=16.3km s-min=15.8km az=-1.0.
SNET Error ellipse: s-maj=72.4km s-min=26.4km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=17.7km s-min=3.1km az=236.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCG Error ellipse: s-maj=101.6km s-min=21.0km az=-1.0.
ISC VI 22 14 51 39.3–.83 13.60N–.08 91.24W–.06 35 4.2b 51 1-147
IDC VI 22 14 51 32.7–2.1 13.74N 90.40W 0 4.3L,3.9 **¶610789277**
NEIC VI 22 14 51 41.9–2.7 13.90N–.04 91.05W–.07 35–2 4.1b,3.9

GCG VI 22 14 51 43.9–.38 14.10N 91.21W 59–14 4.1,3.9
SNET VI 22 14 51 43.5–4.7 13.77N 91.00W 48 4.3L,4.3L
ISC Event type se.
IDC Error ellipse: s-maj=56.8km s-min=37.0km az=28.0.
NEIC Event type se. Error ellipse: s-maj=12.2km s-min=4.0km az=63.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCG Error ellipse: s-maj=12.2km s-min=3.3km az=-1.0.
SNET Error ellipse: s-maj=194.4km s-min=39.0km az=-1.0.
ISC VI 22 17 24 03.3–4.8 13.1N–.20 91.4W–.20 33–13 14 1-3
SNET VI 22 17 24 12.8–1.0 13.39N 91.02W 19–27 3.2L ¶612524563
GCG VI 22 17 24 16.9–.68 13.96N 91.12W 68–21 3.5
ISC Event type ke.
SNET Error ellipse: s-maj=69.4km s-min=30.8km az=-1.0.
GCG Error ellipse: s-maj=10.2km s-min=5.3km az=-1.0.
ISC VI 22 19 24 30.1–2.4 13.5N–.10 91.10W–.05 10–14 30 1-147
IDC VI 22 19 24 27.2–4.3 13.37N 90.85W 0 3.9L,3.7b ¶610789293
SNET VI 22 19 24 30.9–1.4 13.53N 91.07W 13–9 3.7L,3.7b
GCG VI 22 19 24 35.6–.68 13.83N 91.16W 51–32 3.9,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=296.6km s-min=66.8km az=45.0.
SNET Error ellipse: s-maj=7.6km s-min=4.8km az=-1.0.
GCG Error ellipse: s-maj=33.4km s-min=5.8km az=-1.0.
ISC VI 22 21 09 44.3–1.5 13.62N–.07 91.12W–.07 43–15 4.2b 96 1-147
IDC VI 22 21 09 38.8–1.0 13.78N 90.76W 0 4.5L,4.0 ¶610789295
SNET VI 22 21 09 43.2–.95 13.72N 91.08W 20–10 4.0L,4.0
NEIC VI 22 21 09 46.4–1.3 13.7N–.10 90.93W–.09 50–11 4.2b,4.0
GCG VI 22 21 09 48.2–.75 13.97N 91.13W 52–16 4.3,4.0
ISC Event type se.
IDC Error ellipse: s-maj=48.1km s-min=16.2km az=50.0.
SNET Error ellipse: s-maj=13.1km s-min=9.4km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=17.5km s-min=8.0km az=218.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCG Error ellipse: s-maj=8.5km s-min=3.0km az=-1.0.
ISC VI 22 23 51 47.3–2.4 13.5N–.10 91.1W–.10 10–17 21 1-2
GCG VI 22 23 51 45.2–.61 13.42N 91.24W 20–3 3.7 ¶612524566
SNET VI 22 23 51 49.2–1.1 13.69N 91.01W 12–12 2.9L
ISC Event type ke.
GCG Error ellipse: s-maj=4.7km s-min=4.4km az=-1.0.
SNET Error ellipse: s-maj=12.9km s-min=8.2km az=-1.0.
ISC VI 23 00 38 36.3–3.1 13.5N–.20 91.3W–.10 28 14 1-2
SNET VI 23 00 38 34.8–.98 13.73N 91.30W 14–11 3.4L ¶612524567
GCG VI 23 00 38 38.5–.36 13.93N 91.14W 96–5 4.1
ISC Event type ke.
SNET Error ellipse: s-maj=35.5km s-min=7.4km az=-1.0.
GCG Error ellipse: s-maj=13.0km s-min=3.8km az=-1.0.
ISC VI 23 02 24 59.9–2.5 13.6N–.10 91.10W–.09 30–14 23 1-3
SNET VI 23 02 24 55.2–2.1 13.50N 91.37W 35–960 3.2L ¶612524569
GCG VI 23 02 25 00.6–.89 13.73N 91.14W 65–31 3.9
ISC Event type ke.
SNET Error ellipse: s-maj=79.1km s-min=609.4km az=-1.0.
GCG Error ellipse: s-maj=23.2km s-min=6.6km az=-1.0.
ISC VI 23 02 55 21.8–2.0 13.5N–.10 91.29W–.07 35–5 24 1-64
SNET VI 23 02 55 20.6–1.5 13.52N 91.33W 35–867 3.6L ¶610789308
IDC VI 23 02 55 21.6–3.2 14.54N 90.22W 0 3.4,3.4b
GCG VI 23 02 55 28.8–.42 14.14N 91.22W 50–7 3.9,3.4b
ISC Event type ke.
SNET Error ellipse: s-maj=78.5km s-min=548.2km az=-1.0.
IDC Error ellipse: s-maj=224.0km s-min=25.9km az=44.0.
GCG Error ellipse: s-maj=10.1km s-min=3.1km az=-1.0.
ISC VI 23 03 08 12.7–.95 13.63N–.06 91.18W–.05 57–8 4.5b,3.7s 421 1-147
SNET VI 23 03 08 09.1–1.1 13.55N 91.18W 6–7 4.6L,3.7s ¶610789309
GCG VI 23 03 08 13.8–1.2 13.82N 91.22W 51–62 4.7,3.7s
NEIC VI 23 03 08 13.3–2.1 13.73N–.08 91.09W–.07 49–7 4.5b,3.7s
IDC VI 23 03 08 15.8–2.7 13.84N 90.60W 74–24 4.2,3.8b
ISC Event type se.
SNET Error ellipse: s-maj=6.9km s-min=5.0km az=-1.0.
GCG Error ellipse: s-maj=66.9km s-min=14.1km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=14.3km s-min=6.9km az=218.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=26.5km s-min=10.7km az=55.0.
ISC VI 23 03 59 53.5–2.4 13.51N–.09 91.13W–.07 3–13 22 1-3
SNET VI 23 03 59 56.0–.70 13.48N 90.96W 2–13 3.5L ¶612524570
GCG VI 23 03 59 57.9–.88 13.69N 91.21W 26–4 3.8
ISC Event type ke.
SNET Error ellipse: s-maj=14.4km s-min=19.5km az=-1.0.
GCG Error ellipse: s-maj=9.6km s-min=5.1km az=-1.0.
ISC VI 23 08 09 07.4–4.1 13.7N–.20 91.12W–.07 10–21 9 1-3
SNET VI 23 08 09 08.6–3.4 13.86N 90.92W 0–34 3.3L ¶612524572
GCG VI 23 08 09 13.3–.53 13.97N 91.14W 32–3 3.7
ISC Event type ke.
SNET Error ellipse: s-maj=53.4km s-min=58.7km az=-1.0.
GCG Error ellipse: s-maj=7.8km s-min=2.9km az=-1.0.
ISC VI 23 08 15 36.3–3.8 13.6N–.20 90.9W–.20 29 12 1-2
SNET VI 23 08 15 36.0–2.9 13.58N 90.77W 0–36 2.3L ¶612524573
GCG VI 23 08 15 38.3–.48 14.00N 91.18W 64–15 3.9
ISC Event type ke.
SNET Error ellipse: s-maj=52.3km s-min=65.8km az=-1.0.
GCG Error ellipse: s-maj=6.6km s-min=4.2km az=-1.0.
ISC VI 23 22 47 47.6–1.7 13.78N–.08 91.16W–.05 27–13 3.3s 33 1-146
SNET VI 23 22 47 46.8–1.1 13.73N 91.22W 29–26 3.5L ¶612454952
INET VI 23 22 47 48.0–1.7 13.90N 91.10W 10–18 4.5L
GCG VI 23 22 47 48.1–.34 14.06N 91.06W 87–4 3.9
IDC VI 23 22 48 03.1–3.1 14.45N 94.08W 0 3.7b,3.6L
ISC Event type ke.
SNET Error ellipse: s-maj=13.5km s-min=7.8km az=-1.0.
INET Error ellipse: s-maj=15.2km s-min=11.6km az=-1.0.
GCG Error ellipse: s-maj=7.7km s-min=2.0km az=-1.0.
IDC Error ellipse: s-maj=239.2km s-min=50.6km az=64.0.
ISC VI 24 01 31 07.8–2.8 13.1N–.10 91.27W–.09 27–17 28 1-3
GCG VI 24 01 31 15.9–1.3 13.60N 91.14W 24–7 3.8 ¶612524577
SNET VI 24 01 31 18.9–4.7 13.67N 90.81W 7 3.6L
ISC Event type ke.
GCG Error ellipse: s-maj=14.4km s-min=6.7km az=-1.0.
SNET Error ellipse: s-maj=28.5km s-min=15.2km az=-1.0.
ISC VI 24 07 28 50.3–.90 13.13N–.08 91.04W–.06 35 3.9b,3.7s 36 1-147
IDC VI 24 07 28 45.2–1.7 12.96N 91.26W 0 3.9,3.9b ¶610789380
SNET VI 24 07 28 47.1–1.0 13.25N 91.00W 10 4.0L,3.9b
INET VI 24 07 28 52.8–2.1 13.45N 90.75W 93–50 3.6W,3.9b
GCG VI 24 07 28 57.7–.34 13.88N 91.07W 65–14 3.8,3.9b
ISC Event type ke.
IDC Error ellipse: s-maj=103.1km s-min=18.1km az=44.0.
SNET Error ellipse: s-maj=8.2km s-min=5.4km az=-1.0.
INET Error ellipse: s-maj=24.6km s-min=16.5km az=-1.0.
GCG Error ellipse: s-maj=15.1km s-min=2.7km az=-1.0.
ISC VI 26 13 42 36.5–1.1 13.8N–.10 90.93W–.06 35 4.3b 24 1-147
IDC VI 26 13 42 33.5–3.0 13.90N 91.04W 0 3.7L,3.5b ¶610789510
NEIC VI 26 13 42 38.7–1.8 14.09N–.08 90.89W–.05 35–2 4.3b,3.5b
GCG VI 26 13 42 44.5–.65 14.21N 91.59W 63–7 3.9,3.5b
ISC Event type se.
IDC Error ellipse: s-maj=232.6km s-min=58.9km az=54.0.
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=7.9km az=178.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCG Error ellipse: s-maj=15.1km s-min=10.4km az=-1.0.
ISC VI 27 10 08 31.9–2.8 13.6N–.10 91.10W–.08 9–14 17 1-2
SNET VI 27 10 08 33.8–.41 13.46N 90.91W 1–8 3.5L ¶612524590
GCG VI 27 10 08 39.2–.61 13.94N 91.09W 32–3 3.7
ISC Event type ke.
SNET Error ellipse: s-maj=7.8km s-min=15.1km az=-1.0.
GCG Error ellipse: s-maj=4.7km s-min=3.0km az=-1.0.
SNET VI 27 23 50 29.3–.73 13.69N 91.09W 11–10 3.4L
GCG VI 27 23 49 44.2–14 14.72N 95.08W 23 5.4 ¶612524592
SNET Error ellipse: s-maj=10.3km s-min=6.0km az=-1.0.
GCG Error ellipse: s-maj=999.9km s-min=326.6km az=-1.0.
ISC VI 28 05 54 26.6–2.1 13.5N–.10 91.12W–.08 21–6 20 1-2
SNET VI 28 05 54 27.4–.91 13.81N 91.12W 68–52 3.6L ¶612524599
GCG VI 28 05 54 28.9–.72 13.79N 91.19W 81–16 3.9
ISC Event type ke.
SNET Error ellipse: s-maj=31.6km s-min=14.4km az=-1.0.
GCG Error ellipse: s-maj=21.0km s-min=5.1km az=-1.0.
ISC VI 30 13 00 58.6–.49 13.48N–.04 90.93W–.03 32–3 4.9b,4.4s 647 1-150
IDC VI 30 13 00 54.1–.51 13.68N 90.49W 0 5.2L,4.4 ¶610728747
SNET VI 30 13 00 56.5–1.2 13.68N 91.81W 34–7 5.1L,4.4
INET VI 30 13 00 59.5–2.4 13.34N 91.07W 32–570 4.5W,4.4
GCMT VI 30 13 01 00.2–.20 13.38N–.01 91.31W–.02 30–0 5.2W,4.4
NEIC VI 30 13 01 01.2–2.7 13.54N–.07 90.86W–.06 47–5 4.9b,4.4
GCG VI 30 13 01 05.6–.34 14.10N 91.06W 65–11 4.8,4.4
ISC Event type se.
IDC Error ellipse: s-maj=25.4km s-min=11.7km az=54.0.
SNET Error ellipse: s-maj=8.3km s-min=5.0km az=-1.0.
INET Error ellipse: s-maj=11.1km s-min=7.6km az=-1.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s96,c143; s103,c154;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}5.68±.18 $M_{\theta\theta}$-4.65±.12; $M_{\phi\phi}$-1.03±.13; $M_{r\theta}$3.24±.17; $M_{\theta\phi}$2.49±.10; $M_{\phi r}$-1.87±.19; Best double couple: NP1:ϕ_s119.00000°,δ61.00000°,λ92.00000°. NP2:ϕ_s295.00000°,δ29.00000°,λ87.00000°. Principal axes: T 6.7850,Plg74.0000°,Azm33.0000°; N 0.2330,Plg1.0000°,Azm298.0000°; P -7.0180,Plg16.0000°,Azm207.0000° $M_0$6.90100×10^{16}
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=7.0km az=221.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCG Error ellipse: s-maj=10.7km s-min=2.4km az=-1.0.

(730) Northern East Pacific Rise.

IDC III 07 05 42 47.5–36 8.08N 102.60W 0 3.2s,3.2
¶610545706
IDC Error ellipse: s-maj=1258.0km s-min=123.0km az=110.0.
ISC V 01 07 17 31.4–1.6 7.05N–.06 104.35W–.07 22–14 5.2b,4.7s 1166 12-157
IDC V 01 07 17 27.8–.57 6.96N 104.46W 0 4.7,4.7b ¶610589587
MOS V 01 07 17 28.8–1.1 7.11N 104.24W 10 5.3b,4.6s
NEIC V 01 07 17 30.6 7.02N 104.36W 12 5.3b,4.6s
NEIC V 01 07 17 30.8–1.3 7.06N–.09 104.3W–.10 10–1 5.3,5.3b
BJI V 01 07 17 30.0–.00 7.72N 104.49W 10 5.4b,5.3s
NEIC V 01 07 17 30.6 7.22N 103.85W 12 5.4b,5.3s
GCMT V 01 07 17 32.8–.10 7.20N–.01 104.32W–.01 12 5.2W,5.3s
ISC Event type se.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution.Duration: 2s2 Moment tensor: Scale 10^{17}Nm; M_{rr}0.87 $M_{\theta\theta}$-0.56 $M_{\phi\phi}$-0.31 $M_{r\theta}$-0.16 $M_{\theta\phi}$0.30 $M_{\phi r}$0.94 NP1:ϕ_s335.31000°,δ70.39000°,λ106.62000°. NP2:ϕ_s113.65000°,δ25.49000°,λ51.23000°. Principal axes: T 1.3884,Plg61.0000°,Azm270.0000°; N -0.3288,Plg16.0000°,Azm150.0000°; P -1.0596,Plg24.0000°,Azm53.0000° $M_0$1.22000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s108,c159; s148,c250;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}1.01±.01 $M_{\theta\theta}$-0.71±.01; $M_{\phi\phi}$-0.30±.01; $M_{r\theta}$-0.23±.03; $M_{\theta\phi}$0.21±.01; $M_{\phi r}$-0.15±.04; Best double couple: NP1:ϕ_s282.00000°,δ51.00000°,λ77.00000°. NP2:ϕ_s122.00000°,δ41.00000°,λ105.00000°. Principal axes: T 1.0630,Plg79.0000°,Azm137.0000°; N -0.2530,Plg10.0000°,Azm291.0000°; P -0.8130,Plg5.0000°,Azm21.0000° $M_0$0.93800×10^{17}
ISC V 01 07 36 10.5–.92 7.1N–.10 104.3W–.10 35 4.3b 78 13-146
IDC V 01 07 36 05.1–1.3 7.09N 104.44W 0 3.7,3.7b ¶610589589
NEIC V 01 07 36 08.0–2.1 7.1N–.10 104.3W–.10 10–2 4.4b,3.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 01 08 35 21.3–.89 7.0N–.10 104.2W–.10 10 4.6b 175 12-146
IDC V 01 08 35 20.2–2.6 7.01N 104.10W 0 4.0,3.9b ¶610589731
NEIC V 01 08 35 21.5–1.6 7.0N–.10 104.3W–.10 10–1 4.6b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 01 08 36 29.8–.74 7.09N–.10 104.3W–.10 37–4 4.9b,3.9s 685 12-165
IDC V 01 08 36 24.4–.74 7.01N 104.28W 0 4.3,4.3b ¶610589604
NEIC V 01 08 36 27.7–1.9 7.18N–.10 104.3W–.10 10–1 4.9b,4.3b
GCMT V 01 08 36 29.7–.40 7.21N–.02 104.31W–.04 12–1 4.8W,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s22,c24; s87,c110;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.87±.13 $M_{\theta\theta}$-1.50±.09; $M_{\phi\phi}$-0.37±.08; $M_{r\theta}$0.00±.23; $M_{\theta\phi}$0.44±.05; $M_{\phi r}$-0.06±.33; Best double couple: NP1:ϕ_s110.00000°,δ45.00000°,λ92.00000°. NP2:ϕ_s288.00000°,δ45.00000°,λ88.00000°. Principal axes: T 1.8710,Plg89.0000°,Azm96.0000°; N -0.2230,Plg1.0000°,Azm289.0000°; P -1.6510,Plg0.0000°,Azm199.0000° $M_0$1.76100×10^{16}
IDC V 08 08 52 12.2–2.9 8.27N 103.11W 0 3.4s,3.3
¶610689784
IDC Error ellipse: s-maj=135.3km s-min=29.1km az=56.0.
IDC VI 28 12 33 03.7–11 9.67N 105.16W 0 3.4b,3.4L
¶610789643
IDC Error ellipse: s-maj=256.5km s-min=105.6km az=127.0.
IDC VI 29 01 31 22.9–10 9.34N 103.92W 0 3.5b,3.4s
¶610789685
IDC Error ellipse: s-maj=258.3km s-min=108.7km az=119.0.

SEISMIC REGION 6.
Central America.

(72) Honduras.

ISC I 01 07 59 48.9–1.3 13.05N–.06 87.52W–.05 23–16 11 0-1
INET I 01 07 59 48.3–.59 13.00N 87.59W 13–3 2.7W ¶612453709
SNET I 01 07 59 49.7–.50 13.10N 87.55W 8–3 2.7L
ISC Event type ke.
INET Error ellipse: s-maj=2.9km s-min=3.8km az=-1.0.
SNET Error ellipse: s-maj=3.6km s-min=1.9km az=-1.0.
ISC I 09 08 22 12.9–2.0 13.0N–.30 87.9W–.20 99–21 20 0-2
INET I 09 08 22 13.7–2.2 12.65N 88.10W 28–24 3.0W ¶612453777
SNET I 09 08 22 14.1–.58 12.64N 88.20W 15–4 3.2L
ISC Event type ke.
INET Error ellipse: s-maj=10.3km s-min=6.7km az=-1.0.
SNET Error ellipse: s-maj=3.3km s-min=2.4km az=-1.0.
ISC II 01 00 28 56.0–.91 13.2N–.20 87.5W–.20 150 3.3b 8 4-139
IDC II 01 00 28 57.0–2.0 13.06N 87.70W 167–33 3.6,3.2b ¶610414580
ISC Event type ke.
IDC Error ellipse: s-maj=53.1km s-min=25.2km az=35.0.
ISC III 15 01 11 22.8–.95 13.32N–.05 87.77W–.04 15–7 18 0-2
INET III 15 01 11 21.5–.31 13.28N 87.87W 4–6 3.3L ¶612454122
SNET III 15 01 11 23.1–1.6 13.30N 87.78W 5 3.2L
ISC Event type ke.
INET Error ellipse: s-maj=1.5km s-min=4.6km az=-1.0.
SNET Error ellipse: s-maj=5.7km s-min=3.4km az=-1.0.
ISC IV 23 07 17 34.4–1.4 13.0N–.30 87.1W–.10 150 15 0-3
INET IV 23 07 17 28.3–.71 12.60N 87.20W 199–7 2.5W ¶612454401
SNET IV 23 07 17 32.5–1.1 14.00N 86.77W 116–46 3.0L
ISC Event type ke.
INET Error ellipse: s-maj=7.9km s-min=5.9km az=-1.0.
SNET Error ellipse: s-maj=44.6km s-min=13.0km az=-1.0.

ISC V 17 08 46 53.8–2.6 15.1N–.10 86.55W–.07 10 17 1-4
SNET V 17 08 46 54.0–1.4 15.19N 86.61W 2–40 3.6L ¶612454603
INET V 17 08 46 58.7–2.3 15.05N 86.54W 23–84 3.8W
ISC Event type ke.
SNET Error ellipse: s-maj=14.0km s-min=40.3km az=-1.0.
INET Error ellipse: s-maj=26.2km s-min=14.5km az=-1.0.
ISC V 26 08 42 38.5–.69 13.19N–.08 87.68W–.06 200 3.6b 85 0-139
SNET V 26 08 42 38.9–.67 13.06N 87.74W 193–4 3.7L ¶610685424
INET V 26 08 42 39.4–.88 13.17N 87.71W 194–9 3.7L
IDC V 26 08 42 39.2–1.6 13.26N 87.70W 201–18 3.9,3.3b
UCR V 26 08 42 45.0–1.1 13.29N 86.96W 170–36 3.5W,3.3b
GCG V 26 08 43 17.5–2.9 14.37N 90.12W 77–38 4.1,3.3b
ISC Event type ke.
SNET Error ellipse: s-maj=10.9km s-min=3.6km az=-1.0.
INET Error ellipse: s-maj=7.2km s-min=5.4km az=-1.0.
IDC Error ellipse: s-maj=29.1km s-min=15.6km az=38.0.
UCR Error ellipse: s-maj=34.1km s-min=36.8km az=-1.0.
GCG Error ellipse: s-maj=73.0km s-min=24.5km az=-1.0.
ISC VI 07 04 09 59.2–.96 13.40N–.08 87.95W–.05 14–10 17 0-1
INET VI 07 04 09 58.4–5.9 13.38N 88.13W 41–41 3.2W ¶612454759
SNET VI 07 04 09 59.4–.63 13.38N 87.97W 4 2.8L
ISC Event type ke.
INET Error ellipse: s-maj=23.4km s-min=16.9km az=-1.0.
SNET Error ellipse: s-maj=2.2km s-min=1.8km az=-1.0.
ISC VI 07 04 38 28.2–1.2 13.36N–.05 87.97W–.05 15–9 13 0-1
INET VI 07 04 38 25.9–2.1 13.34N 88.27W 30–93 3.0W ¶612454760
SNET VI 07 04 38 28.2–1.0 13.36N 87.98W 4 2.7L
ISC Event type ke.
INET Error ellipse: s-maj=15.1km s-min=14.1km az=-1.0.
SNET Error ellipse: s-maj=4.1km s-min=3.5km az=-1.0.
ISC VI 15 20 57 02.2–2.5 13.1N–.20 87.62W–.09 194–17 19 0-3
SNET VI 15 20 57 00.9–.52 12.67N 87.80W 191–17 3.5L ¶612454851
INET VI 15 20 57 02.5–.51 13.19N 87.53W 189–10 3.9L
ISC Event type ke.
SNET Error ellipse: s-maj=48.4km s-min=15.5km az=-1.0.
INET Error ellipse: s-maj=4.1km s-min=4.7km az=-1.0.
ISC VI 22 01 22 31.3–.90 13.36N–.05 88.00W–.03 13–6 25 0-2
SNET VI 22 01 22 31.0–1.3 13.38N 87.97W 2–4 3.2L ¶612454933
INET VI 22 01 22 32.3–.77 13.44N 88.04W 15–6 3.1W
ISC Event type ke.
SNET Error ellipse: s-maj=4.3km s-min=3.4km az=-1.0.
INET Error ellipse: s-maj=3.9km s-min=4.1km az=-1.0.
ISC VI 23 19 03 56.3–.91 13.36N–.05 87.87W–.03 13–6 27 0-2
INET VI 23 19 03 57.4–2.1 13.34N 87.89W 6–24 2.7L ¶612454951
SNET VI 23 19 03 57.3–.84 13.35N 87.92W 7–2 3.1L
ISC Event type ke.
INET Error ellipse: s-maj=10.3km s-min=8.5km az=-1.0.
SNET Error ellipse: s-maj=2.7km s-min=1.5km az=-1.0.
ISC VI 28 20 58 35.7–2.7 13.1N–.20 87.91W–.08 146–18 17 0-2
INET VI 28 20 58 30.5–.17 13.11N 88.02W 191–14 3.4W ¶612455000
SNET VI 28 20 58 35.5–.67 13.20N 87.90W 145–5 3.0L
ISC Event type ke.
INET Error ellipse: s-maj=2.5km s-min=4.1km az=-1.0.
SNET Error ellipse: s-maj=43.7km s-min=13.3km az=-1.0.

(73) El Salvador.

SNET I 01 10 53 46.6–1.3 13.07N 88.69W 59–9 2.4L
¶612522468
SNET Error ellipse: s-maj=12.3km s-min=4.5km az=-1.0.
ISC I 04 16 45 08.6–.45 13.14N–.04 89.41W–.04 67–3 4.9b 595 1-148
UCR I 04 16 45 02.2–2.4 13.51N 89.79W 20 5.0b,4.6W ¶609978260
IDC I 04 16 45 04.8–1.5 13.45N 88.93W 26–8 4.6,4.5b
SNET I 04 16 45 07.1–1.3 12.98N 89.58W 52 5.2L,4.5b
NEIC I 04 16 45 08.8–1.8 13.10N–.06 89.36W–.07 68–7 5.0b,4.5b
INET I 04 16 45 09.0–1.3 13.04N 89.49W 30 5.2W,4.5b
GCG I 04 16 45 23.7–.39 13.98N 90.29W 62–13 4.5,4.5b
ISC Event type se.
UCR Error ellipse: s-maj=116.5km s-min=114.1km az=-1.0.
IDC Error ellipse: s-maj=20.7km s-min=9.0km az=60.0.
SNET Error ellipse: s-maj=6.2km s-min=4.2km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=7.2km az=53.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
INET Error ellipse: s-maj=6.1km s-min=5.7km az=-1.0.
GCG Error ellipse: s-maj=20.4km s-min=14.5km az=-1.0.
ISC I 20 11 22 21.1–1.1 13.20N–.08 88.23W–.05 130–7 53 0-139
SNET I 20 11 22 21.5–1.0 13.17N 88.26W 124–3 3.6L ¶610234933
IDC I 20 11 22 22.1–3.2 13.57N 87.57W 165–59 3.0,2.4b
INET I 20 11 22 22.0–.93 13.20N 88.21W 123–10 3.6L,2.4b
ISC Event type ke.
SNET Error ellipse: s-maj=7.7km s-min=3.0km az=-1.0.
IDC Error ellipse: s-maj=107.4km s-min=39.1km az=45.0.
INET Error ellipse: s-maj=4.4km s-min=4.6km az=-1.0.
ISC I 21 07 31 29.0–.65 13.27N–.05 89.25W–.03 62–5 4.4b 355 0-147
UCR I 21 07 31 05.4–1.6 14.62N 90.38W 20–999 4.4b,4.4W ¶610104711
GCG I 21 07 31 25.4–.47 13.18N 89.06W 104–54 4.4,4.4W
IDC I 21 07 31 28.7–1.3 13.41N 89.10W 60–10 4.2,3.9b
INET I 21 07 31 29.2 13.24N 89.27W 35 4.9W,3.9b
SNET I 21 07 31 29.5–2.4 13.19N 89.30W 28 5.0L,3.9b
NEIC I 21 07 31 29.5–1.5 13.20N–.06 89.31W–.07 61–10 4.4b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 29 20 07 58.6–1.7 13.4N–.10 89.99W–.06 51–19 52 1-2
SNET I 29 20 07 55.2–2.4 13.31N 90.11W 63 3.7L ¶612523245
GCG I 29 20 08 00.0–.38 13.44N 90.27W 21–4 3.7
ISC Event type ke.
SNET Error ellipse: s-maj=8.0km s-min=8.7km az=-1.0.
GCG Error ellipse: s-maj=3.1km s-min=4.1km az=-1.0.
ISC II 06 07 17 59.8–1.6 13.06N–.09 89.02W–.05 51–16 53 1-3
INET II 06 07 17 59.5–.66 13.03N 89.04W 43–22 3.7L ¶612453935
SNET II 06 07 17 59.4–.79 13.08N 89.01W 53–5 3.3L
ISC Event type ke.
INET Error ellipse: s-maj=5.5km s-min=4.0km az=-1.0.
SNET Error ellipse: s-maj=4.1km s-min=1.7km az=-1.0.
ISC II 12 02 11 33.6–1.5 13.0N–.10 88.51W–.07 75–15 35 0-3
INET II 12 02 11 32.6–1.4 13.05N 88.54W 16–6 3.0W ¶612453963
SNET II 12 02 11 33.5–.82 13.12N 88.50W 77–5 3.1L
ISC Event type ke.
INET Error ellipse: s-maj=7.3km s-min=5.4km az=-1.0.
SNET Error ellipse: s-maj=8.3km s-min=3.2km az=-1.0.
ISC II 17 07 21 34.6–6.5 13.1N–.10 89.6W–.10 37–7 37 1-3
SNET II 17 07 21 34.1–1.0 13.05N 89.63W 41 4.0L ¶612453986
INET II 17 07 21 35.4–.94 13.07N 89.55W 27–13 3.8W
ISC Event type ke.
SNET Error ellipse: s-maj=4.1km s-min=4.0km az=-1.0.
INET Error ellipse: s-maj=7.8km s-min=8.3km az=-1.0.
ISC II 21 21 14 19.6–1.9 13.11N–.09 89.89W–.05 24–15 32 1-2
SNET II 21 21 14 23.8–2.0 13.30N 89.76W 33 3.8L ¶612523390
GCG II 21 21 14 24.1–.39 13.27N 90.13W 91–26 3.8
ISC Event type ke.
SNET Error ellipse: s-maj=7.1km s-min=6.1km az=-1.0.
GCG Error ellipse: s-maj=14.6km s-min=4.2km az=-1.0.
ISC III 05 17 48 15.6–1.8 13.09N–.08 89.72W–.05 28–14 58 1-3
SNET III 05 17 48 17.5–1.0 13.20N 89.72W 43 3.9L ¶612523478
GCG III 05 17 48 20.4–.32 13.26N 89.86W 44–132 3.8
ISC Event type ke.
SNET Error ellipse: s-maj=2.9km s-min=2.6km az=-1.0.
GCG Error ellipse: s-maj=17.6km s-min=6.0km az=-1.0.
ISC III 10 07 43 60.0–.94 13.4N–.10 88.00W–.05 10 19 0-2
INET III 10 07 43 55.4–.94 13.56N 88.37W 15–20 3.4W ¶612454090
SNET III 10 07 43 58.9–2.1 13.39N 87.99W 1 3.0L
ISC Event type ke.
INET Error ellipse: s-maj=6.4km s-min=9.6km az=-1.0.
SNET Error ellipse: s-maj=6.9km s-min=3.4km az=-1.0.
ISC III 14 02 35 31.1–2.7 13.3N–.10 89.89W–.07 32–15 17 1-1
GCG III 14 02 35 32.4–.31 14.53N 90.51W 168–3 3.5 ¶612523551
SNET III 14 02 35 32.1–1.0 13.32N 89.86W 33–4 3.1L
ISC Event type ke.
GCG Error ellipse: s-maj=36.2km s-min=12.1km az=-1.0.
SNET Error ellipse: s-maj=7.5km s-min=7.4km az=-1.0.
ISC III 14 04 42 31.0–2.0 13.17N–.09 89.94W–.07 29 34 1-2
SNET III 14 04 42 31.0–1.1 13.20N 90.04W 28–6 4.0L ¶612523556
GCG III 14 04 42 34.2–.34 13.28N 90.30W 50–999 3.9
ISC Event type ke.
SNET Error ellipse: s-maj=4.4km s-min=7.5km az=-1.0.
GCG Error ellipse: s-maj=15.3km s-min=12.1km az=-1.0.
ISC III 17 18 03 09.8–1.7 13.08N–.09 89.34W–.04 30–13 41 1-4
GCG III 17 18 03 07.7–.60 13.51N 89.46W 175–17 3.9 ¶612454132
SNET III 17 18 03 10.5–1.1 13.20N 89.35W 52 4.0L
INET III 17 18 03 11.8–.98 13.27N 89.24W 65–21 4.0L
ISC Event type ke.
GCG Error ellipse: s-maj=27.4km s-min=8.8km az=-1.0.
SNET Error ellipse: s-maj=5.0km s-min=2.8km az=-1.0.
INET Error ellipse: s-maj=6.5km s-min=6.8km az=-1.0.
ISC III 19 05 35 53.5–1.0 13.68N–.04 88.60W–.03 7–7 38 0-3
INET III 19 05 35 53.8–1.6 13.75N 88.65W 1–3 3.6W ¶612454146
SNET III 19 05 35 53.0–1.1 13.63N 88.62W 1–3 3.6W
ISC Event type ke.
INET Error ellipse: s-maj=6.5km s-min=5.7km az=-1.0.
SNET Error ellipse: s-maj=3.0km s-min=1.6km az=-1.0.
ISC III 20 09 36 35.5–1.9 13.01N–.09 89.20W–.05 30–14 51 1-3
INET III 20 09 36 35.7–.46 13.00N 89.20W 23–8 3.5W ¶612454162
SNET III 20 09 36 36.0–.92 13.09N 89.16W 56 3.7L
ISC Event type ke.
INET Error ellipse: s-maj=3.6km s-min=4.1km az=-1.0.
SNET Error ellipse: s-maj=4.6km s-min=2.0km az=-1.0.
ISC IV 03 15 48 40.8–2.3 13.11N–.09 89.61W–.08 28–13 43 1-3
INET IV 03 15 48 40.0–1.3 13.01N 89.58W 5–9 3.4W ¶612454245
SNET IV 03 15 48 42.0–.90 13.27N 89.60W 61 3.5L
ISC Event type ke.
INET Error ellipse: s-maj=12.9km s-min=7.0km az=-1.0.
SNET Error ellipse: s-maj=4.5km s-min=3.6km az=-1.0.
ISC IV 10 02 13 18.6–.90 13.70N–.05 89.19W–.03 7–6 34 0-7
NEIC IV 10 02 13 17.6–1.1 13.64N–.04 89.32W–.05 7–9 3.6L ¶610524828
GCG IV 10 02 13 18.5–.40 13.90N 88.79W 35–999 3.9
SNET IV 10 02 13 18.9–.59 13.70N 89.25W 3 3.9L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=7.4km s-min=5.3km az=71.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCG Error ellipse: s-maj=34.2km s-min=10.1km az=-1.0.
SNET Error ellipse: s-maj=4.7km s-min=1.3km az=-1.0.
ISC IV 10 20 02 03.7–.88 13.67N–.03 89.25W–.02 4–4 61 0-21
SNET IV 10 20 02 03.6–1.1 13.68N 89.25W 4 3.8L ¶610526195
NEIC IV 10 20 02 03.7–1.4 13.67N–.04 89.27W–.06 6–10 3.5L
GCG IV 10 20 02 11.3–.34 14.61N 89.36W 0–7 3.8
ISC Event type se.
SNET Error ellipse: s-maj=2.2km s-min=1.3km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=8.6km s-min=5.3km az=66.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCG Error ellipse: s-maj=14.6km s-min=12.0km az=-1.0.
ISC IV 10 22 21 45.0–.89 13.70N–.04 89.26W–.02 7–4 52 0-7
NEIC IV 10 22 21 44.3–.72 13.67N–.04 89.32W–.05 6–7 3.4L ¶610526196
SNET IV 10 22 21 45.1–.91 13.70N 89.26W 3 3.8L
GCG IV 10 22 21 47.5–.51 13.89N 89.11W 18–999 3.8
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=7.9km s-min=4.4km az=57.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SNET Error ellipse: s-maj=2.1km s-min=1.4km az=-1.0.
GCG Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
ISC IV 10 23 52 57.3–.68 13.70N–.02 89.25W–.02 5–4 4.2b,4.2s 123 0-80
SNET IV 10 23 52 56.7–1.4 13.70N 89.25W 6–1 4.3L,4.2s ¶610652417
IDC IV 10 23 52 57.6–2.1 13.83N 89.04W 0 4.1s,3.8
NEIC IV 10 23 52 59.0–2.2 13.76N–.04 89.21W–.06 10–2 4.2b,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 10 23 53 56.2–.61 13.69N–.02 89.24W–.02 3–3 4.8b,4.1s 639 0-147
IDC IV 10 23 53 55.8–.66 13.72N 89.19W 0 4.3,4.2b ¶610526199
SNET IV 10 23 53 55.1–1.4 13.70N 89.26W 4 5.1L,4.2b
INET IV 10 23 53 57.3–1.5 13.82N 89.30W 12–9 4.8W,4.2b
NEIC IV 10 23 53 58.6–1.7 13.77N–.05 89.16W–.06 10–1 4.8b,4.2b
GCMT IV 10 23 54 00.5–.30 13.78N–.01 89.36W–.02 12 4.8W,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s22,c27; s87,c107;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-0.23±.06 $M_{\theta\theta}$-1.26±.06; $M_{\phi\phi}$1.49±.06; $M_{r\theta}$-0.32±.18; $M_{\theta\phi}$-1.40±.05; $M_{\phi r}$0.17±.18; Best double couple: NP1:ϕ_s112.00000°,δ89.00000°,λ-170.00000°. NP2:ϕ_s22.00000°,δ80.00000°,λ-1.00000°. Principal axes: T 2.1110,Plg7.0000° ,Azm247.0000°; N -0.2330,Plg80.0000°,Azm116.0000°; P -1.8780,Plg8.0000° ,Azm338.0000° $M_0$1.99500×10^{16}
SNET IV 10 23 57 00.7–.53 13.68N 89.25W 5–1 2.4L
¶612523803
SNET Error ellipse: s-maj=1.8km s-min=1.1km az=-1.0.
ISC IV 11 00 22 05.7–2.1 13.6N–.20 89.26W–.03 14–6 16 0-2
SNET IV 11 00 22 05.9–.94 13.69N 89.25W 3–5 3.4L ¶612523814
GCG IV 11 00 22 09.5–2.7 13.84N 89.00W 32–999 3.7
ISC Event type ke.
SNET Error ellipse: s-maj=6.9km s-min=3.5km az=-1.0.
GCG Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
ISC IV 11 00 30 36.8–.99 13.63N–.07 89.22W–.04 14–6 20 0-3
INET IV 11 00 30 35.8–.17 13.64N 89.67W 12–2 3.6W ¶612454284
SNET IV 11 00 30 37.1–.79 13.69N 89.26W 3 3.7L
GCG IV 11 00 30 40.1–1.2 13.82N 89.15W 21 4.0
ISC Event type ke.
INET Error ellipse: s-maj=1.2km s-min=1.3km az=-1.0.
SNET Error ellipse: s-maj=3.6km s-min=1.4km az=-1.0.
GCG Error ellipse: s-maj=17.7km s-min=12.9km az=-1.0.
SNET IV 11 01 26 20.4–1.4 13.69N 89.26W 1–14 2.3L
¶612523828
SNET Error ellipse: s-maj=5.1km s-min=2.7km az=-1.0.
SNET IV 12 08 23 45.7–.74 13.31N 88.18W 6–6 3.5L
INET IV 12 08 23 45.7 13.37N 88.11W 20 3.5W ¶612523875
SNET Error ellipse: s-maj=2.9km s-min=1.7km az=-1.0.
ISC IV 12 09 08 31.4–.93 13.50N–.06 88.13W–.04 18–2 57 0-6
SNET IV 12 09 08 31.1–.92 13.32N 88.18W 6–4 4.4L ¶612523878
UCR IV 12 09 08 31.4–1.7 13.84N 87.81W 96–155 4.0W
GCG IV 12 09 08 39.9–3.9 15.67N 88.09W 33–999 4.4
ISC Event type ke.
SNET Error ellipse: s-maj=3.0km s-min=2.1km az=-1.0.
UCR Error ellipse: s-maj=32.0km s-min=40.2km az=-1.0.
GCG Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
ISC IV 12 09 16 29.3–1.7 13.5N–.20 88.08W–.06 10 11 0-3
INET IV 12 09 16 30.7 13.35N 88.17W 8 3.5W ¶612454300
SNET IV 12 09 16 30.5–.67 13.33N 88.16W 4 3.2L
ISC Event type ke.
SNET Error ellipse: s-maj=12.3km s-min=2.4km az=-1.0.

ISC IV 15 22 22 08.1–3.1 13.3N–.20 89.7W–.20 66 14 1-3
SNET IV 15 22 22 08.2–1.2 13.39N 89.56W 74 3.6L ¶612454325
INET IV 15 22 22 10.0–1.4 13.41N 89.51W 62–22 4.1W
ISC Event type ke.
SNET Error ellipse: s-maj=14.9km s-min=14.0km az=-1.0.
INET Error ellipse: s-maj=14.9km s-min=14.6km az=-1.0.
SNET IV 17 06 47 52.9–.52 13.68N 89.25W 4–2 1.7L
¶612523963
SNET Error ellipse: s-maj=1.7km s-min=1.0km az=-1.0.
ISC IV 21 06 36 18.9–1.0 13.57N–.04 88.83W–.03 8–6 24 0-2
INET IV 21 06 36 15.4 13.92N 88.94W 5 3.0W ¶612454379
SNET IV 21 06 36 18.5–1.1 13.58N 88.84W 6–1 2.9L
ISC Event type ke.
SNET Error ellipse: s-maj=2.1km s-min=1.6km az=-1.0.
ISC IV 23 15 51 30.4–.86 13.70N–.05 89.24W–.03 10–5 37 0-7
SNET IV 23 15 51 30.5–1.5 13.69N 89.25W 4 3.9L ¶610547631
GCG IV 23 15 51 30.2–.76 14.03N 88.71W 32–999 3.9
NEIC IV 23 15 51 30.8–1.1 13.68N–.06 89.22W–.07 10–2 3.3L
INET IV 23 15 51 31.9–.59 13.73N 89.55W 15–3 3.6W
ISC Event type se.
SNET Error ellipse: s-maj=4.1km s-min=2.7km az=-1.0.
GCG Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=14.6km s-min=5.8km az=52.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
INET Error ellipse: s-maj=6.2km s-min=3.1km az=-1.0.
ISC V 02 01 43 18.4–1.7 13.4N–.10 89.85W–.06 49–20 44 0-3
SNET V 02 01 43 17.7–1.6 13.44N 89.86W 54 4.1L ¶612524116
GCG V 02 01 43 27.4–.40 13.99N 90.34W 49–14 3.7
ISC Event type ke.
SNET Error ellipse: s-maj=6.1km s-min=5.9km az=-1.0.
GCG Error ellipse: s-maj=19.5km s-min=12.4km az=-1.0.
ISC V 07 15 06 31.8–1.4 13.11N–.05 89.58W–.04 33–11 58 1-148
IDC V 07 15 06 30.0–2.0 14.24N 88.60W 0 3.3,3.2L ¶610689732
SNET V 07 15 06 32.0–.90 13.05N 89.66W 30–3 3.9L,3.2L
INET V 07 15 06 34.4–2.1 13.19N 89.46W 15–13 3.4W,3.2L
GCG V 07 15 06 38.0–.43 13.49N 89.81W 83–25 3.8,3.2L
ISC Event type ke.
IDC Error ellipse: s-maj=85.4km s-min=30.1km az=45.0.
SNET Error ellipse: s-maj=5.6km s-min=3.9km az=-1.0.
INET Error ellipse: s-maj=8.9km s-min=12.6km az=-1.0.
GCG Error ellipse: s-maj=20.6km s-min=6.9km az=-1.0.
ISC V 08 09 04 11.9–1.7 13.10N–.05 89.56W–.05 13–12 62 1-52
SNET V 08 09 04 13.5–.89 13.06N 89.63W 29 4.2L ¶610689785
IDC V 08 09 04 13.4–2.2 14.31N 88.46W 0 3.4L,3.3s
INET V 08 09 04 17.5–1.3 13.21N 89.36W 30–11 4.4W,3.3s
GCG V 08 09 04 19.9–.34 14.07N 89.75W 144–8 4.0,3.3s
UCR V 08 09 04 21.2–1.3 11.43N 89.74W 0–999 3.8W,3.3s
ISC Event type ke.
SNET Error ellipse: s-maj=3.1km s-min=3.4km az=-1.0.
IDC Error ellipse: s-maj=134.2km s-min=30.0km az=51.0.
INET Error ellipse: s-maj=6.3km s-min=5.0km az=-1.0.
GCG Error ellipse: s-maj=20.8km s-min=6.6km az=-1.0.
UCR Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
ISC V 13 12 11 01.9–1.4 13.4N–.20 89.4W–.20 66 4.2b 7 7-61
IDC V 13 12 10 53.8–1.6 13.38N 89.35W 0 4.0,4.0b ¶610690194
ISC Event type ke.
IDC Error ellipse: s-maj=50.9km s-min=22.0km az=46.0.
ISC V 13 13 29 06.6–.97 13.10N–.06 89.84W–.06 74–8 4.6b 251 1-147
GCG V 13 13 28 56.8–1.3 12.42N 90.24W 34–754 4.5 ¶610638472
NEIC V 13 13 28 58.4–2.6 12.90N–.05 90.18W–.06 10–1 4.7b
IDC V 13 13 28 58.5–.71 13.36N 89.53W 0 4.3,4.3b
INET V 13 13 29 01.7–.97 12.73N 90.13W 15–16 3.8W,4.3b
SNET V 13 13 29 01.2–1.0 12.67N 90.34W 18–6 4.8L,4.3b
GCMT V 13 13 29 03.4–.40 12.82N–.03 90.30W–.05 22–0 4.8W,4.3b
UCR V 13 13 29 09.8–1.2 13.54N 89.15W 110–73 4.7b,4.5W
ISC Event type se.
GCG Error ellipse: s-maj=445.0km s-min=140.6km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=12.5km s-min=4.6km az=236.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=27.2km s-min=12.8km az=49.0.
INET Error ellipse: s-maj=8.2km s-min=10.1km az=-1.0.
SNET Error ellipse: s-maj=8.0km s-min=10.6km az=-1.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s26,c30; s73,c89;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-2.04±.13 $M_{\theta\theta}$1.25±.08; $M_{\phi\phi}$0.78±.08; $M_{r\theta}$-0.21±.14; $M_{\theta\phi}$-0.49±.05; $M_{\phi r}$-0.08±.20; Best double couple: NP1:ϕ_s118.00000°,δ47.00000°,λ-95.00000°. NP2:ϕ_s306.00000°,δ43.00000°,λ-84.00000°. Principal axes: T 1.5690,Plg2.0000° ,Azm212.0000°; N 0.4850,Plg4.0000°,Azm122.0000°; P -2.0570,Plg85.0000°,Azm330.0000° $M_0$1.81300×10^{16}
UCR Error ellipse: s-maj=39.8km s-min=38.0km az=-1.0.
ISC V 13 14 05 01.9–1.2 13.2N–.20 89.6W–.20 10 3.8b 13 2-147
IDC V 13 14 05 00.7–1.4 13.24N 89.51W 0 3.8,3.8b ¶610690198
GCG V 13 14 05 04.1–1.3 15.03N 89.33W 10–39 4.0,3.8b
ISC Event type ke.
IDC Error ellipse: s-maj=52.9km s-min=21.4km az=45.0.
GCG Error ellipse: s-maj=29.6km s-min=44.1km az=-1.0.
ISC V 13 14 13 14.2–2.3 13.0N–.20 89.98W–.06 55–17 24 1-148
IDC V 13 14 13 06.6–3.8 13.20N 89.41W 0 3.5,3.4b ¶610690199
GCG V 13 14 13 11.8–.34 13.20N 90.38W 145–18 3.6,3.4b
SNET V 13 14 13 11.3–5.0 13.09N 90.22W 10 3.7L,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=85.8km s-min=37.6km az=17.0.
GCG Error ellipse: s-maj=18.5km s-min=4.1km az=-1.0.
SNET Error ellipse: s-maj=29.4km s-min=30.3km az=-1.0.
ISC V 24 13 24 12.5–1.6 13.25N–.06 89.75W–.04 28–13 50 0-4
SNET V 24 13 24 13.0–1.0 13.33N 89.72W 57–8 3.4L ¶612454644
INET V 24 13 24 13.1–.75 13.25N 89.68W 12–6 3.8L
GCG V 24 13 24 15.5–.40 13.38N 89.94W 23–361 4.0
ISC Event type ke.
SNET Error ellipse: s-maj=5.8km s-min=3.5km az=-1.0.
INET Error ellipse: s-maj=6.9km s-min=3.4km az=-1.0.
GCG Error ellipse: s-maj=171.7km s-min=147.7km az=-1.0.
ISC V 24 16 19 02.0–2.4 13.2N–.10 89.75W–.05 19–5 19 1-2
SNET V 24 16 19 03.2–1.0 13.15N 89.72W 12–15 3.0L ¶612524326
GCG V 24 16 19 06.5–.31 13.32N 89.94W 67–46 3.6
ISC Event type ke.
SNET Error ellipse: s-maj=7.6km s-min=5.6km az=-1.0.
GCG Error ellipse: s-maj=16.5km s-min=4.7km az=-1.0.
ISC V 25 13 46 50.2–1.7 13.15N–.09 89.36W–.07 43 40 0-4
SNET V 25 13 46 50.0–1.0 13.31N 89.30W 64–7 3.8L ¶612454649
INET V 25 13 46 50.0–1.6 13.17N 89.38W 29–14 3.7W
ISC Event type ke.
SNET Error ellipse: s-maj=9.8km s-min=5.0km az=-1.0.
INET Error ellipse: s-maj=31.6km s-min=7.6km az=-1.0.
ISC V 29 04 35 05.2–1.1 13.33N–.04 88.04W–.02 3–8 3.8b,3.2s 50 0-99
IDC V 29 04 35 04.2–1.9 13.22N 88.08W 0 3.8,3.8b ¶610685587
SNET V 29 04 35 04.8–1.1 13.34N 88.02W 8 4.3L,3.8b
INET V 29 04 35 05.4–1.7 13.34N 88.00W 5–10 4.0W,3.8b
ISC Event type ke.
IDC Error ellipse: s-maj=45.4km s-min=22.5km az=50.0.
SNET Error ellipse: s-maj=3.6km s-min=1.7km az=-1.0.
INET Error ellipse: s-maj=7.6km s-min=6.5km az=-1.0.
ISC V 30 18 28 33.1–1.0 13.31N–.05 88.04W–.03 14–8 31 0-2
SNET V 30 18 28 33.0–1.3 13.35N 88.02W 5 3.3L ¶612454675
INET V 30 18 28 33.7–.44 13.34N 88.07W 15–3 3.2W
ISC Event type ke.
SNET Error ellipse: s-maj=4.2km s-min=2.2km az=-1.0.
INET Error ellipse: s-maj=2.9km s-min=2.2km az=-1.0.
ISC VI 01 17 39 31.0–1.1 13.32N–.05 88.03W–.03 17–14 23 0-2
SNET VI 01 17 39 30.9–2.1 13.33N 88.03W 3 3.6L ¶612454695
INET VI 01 17 39 31.2–.80 13.35N 88.03W 2–8 3.4W
ISC Event type ke.
SNET Error ellipse: s-maj=7.0km s-min=3.3km az=-1.0.
INET Error ellipse: s-maj=4.4km s-min=3.0km az=-1.0.
ISC VI 09 00 29 51.9–1.7 13.5N–.10 89.72W–.06 56–12 31 0-2
SNET VI 09 00 29 50.0–.73 13.44N 89.77W 65–5 3.2L ¶612524472
GCG VI 09 00 29 52.7–.49 13.65N 89.81W 83–16 3.5
ISC Event type ke.
SNET Error ellipse: s-maj=6.6km s-min=4.3km az=-1.0.
GCG Error ellipse: s-maj=13.9km s-min=4.9km az=-1.0.
ISC VI 12 12 29 25.5–1.6 13.5N–.10 89.73W–.06 55–12 38 0-4
SNET VI 12 12 29 23.0–.87 13.39N 89.80W 65–6 3.7L ¶612454814
INET VI 12 12 29 23.5–1.1 13.38N 89.87W 27–19 3.7W
GCG VI 12 12 29 28.2–1.4 13.90N 89.88W 97–37 3.6
ISC Event type ke.
SNET Error ellipse: s-maj=7.6km s-min=4.7km az=-1.0.
INET Error ellipse: s-maj=14.4km s-min=26.8km az=-1.0.
GCG Error ellipse: s-maj=46.6km s-min=20.8km az=-1.0.
ISC VI 16 11 28 25.6–2.0 13.11N–.09 89.98W–.04 24–14 37 1-2
INET VI 16 11 28 25.4–.55 13.12N 89.95W 4–4 3.6 ¶612454862
SNET VI 16 11 28 25.9–.88 13.12N 89.98W 25–3 3.4L
GCG VI 16 11 28 29.4–.49 13.36N 90.17W 94–16 3.5
ISC Event type ke.
INET Error ellipse: s-maj=3.6km s-min=2.7km az=-1.0.
SNET Error ellipse: s-maj=3.0km s-min=4.0km az=-1.0.
GCG Error ellipse: s-maj=11.8km s-min=3.5km az=-1.0.
ISC VI 22 06 32 48.2–1.4 13.4N–.20 88.1W–.10 200 15 0-2
SNET VI 22 06 32 51.4–.40 13.47N 88.16W 175–4 3.3L ¶612454936
INET VI 22 06 32 58.3–.17 13.33N 88.31W 49–10 2.5W
ISC Event type ke.
SNET Error ellipse: s-maj=9.3km s-min=5.6km az=-1.0.
INET Error ellipse: s-maj=1.6km s-min=1.6km az=-1.0.
SNET VI 30 22 30 43.8–4.3 13.77N 89.55W 4 3.1L
¶612524620
SNET Error ellipse: s-maj=13.1km s-min=9.3km az=-1.0.

(74) Near coast of Nicaragua.

ISC I 02 05 00 03.3–2.9 11.55N–.07 86.10W–.10 130–23 32 0-2
INET I 02 05 00 01.9–.34 11.57N 86.08W 144–5 3.5W ¶614641147
UCR I 02 05 00 02.9–.90 11.62N 86.21W 114–17 3.6W
ISC Event type ke.
INET Error ellipse: s-maj=2.4km s-min=2.6km az=-1.0.
UCR Error ellipse: s-maj=20.1km s-min=15.3km az=-1.0.
ISC I 03 11 06 03.2–1.0 11.09N–.06 87.03W–.08 10 3.2b 42 1-55
INET I 03 11 06 01.9–.67 10.89N 87.18W 5–10 3.5W ¶610236554
IDC I 03 11 06 03.9–1.8 11.79N 86.44W 0 3.3,3.3b
UCR I 03 11 06 06.9–1.6 11.10N 86.79W 0–18 3.8W,3.3b
ISC Event type ke.
INET Error ellipse: s-maj=7.3km s-min=6.2km az=-1.0.
IDC Error ellipse: s-maj=104.2km s-min=20.0km az=48.0.
UCR Error ellipse: s-maj=34.8km s-min=25.6km az=-1.0.
ISC I 04 04 00 12.3–2.8 11.8N–.10 86.6W–.10 89–28 24 1-3
INET I 04 04 00 12.6–1.1 11.64N 86.73W 12–6 3.2W ¶614641168
UCR I 04 04 00 13.0–.52 12.04N 86.20W 20–999 3.6W
ISC Event type ke.
INET Error ellipse: s-maj=2.3km s-min=5.0km az=-1.0.
UCR Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
ISC I 06 07 51 19.4–2.5 12.0N–.10 87.86W–.06 12–14 26 1-3
INET I 06 07 51 21.1–1.3 12.06N 87.90W 19–16 3.4W ¶612453754
SNET I 06 07 51 22.2–.92 12.10N 87.88W 21–7 3.1L
ISC Event type ke.
INET Error ellipse: s-maj=7.5km s-min=7.1km az=-1.0.
SNET Error ellipse: s-maj=4.7km s-min=10.3km az=-1.0.
ISC I 08 18 25 58.1–.59 11.72N–.04 86.21W–.04 126–5 4.5b 237 0-151
INET I 08 18 25 58.6–.38 11.59N 86.30W 119–7 4.3W ¶610049848
NEIC I 08 18 25 58.7–1.9 11.71N–.05 86.18W–.03 116–5 4.6b
UCR I 08 18 25 59.9–.94 11.61N 86.22W 114–5 4.6b,4.5W
IDC I 08 18 25 59.2–1.1 11.71N 85.89W 138–12 4.1,3.7b
SNET I 08 18 26 04.2–.94 11.89N 86.47W 79–58 3.8L,3.7b
ISC Event type se.
INET Error ellipse: s-maj=4.0km s-min=3.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=7.3km s-min=3.6km az=201.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
UCR Error ellipse: s-maj=4.6km s-min=6.2km az=-1.0.
IDC Error ellipse: s-maj=28.4km s-min=13.9km az=73.0.
SNET Error ellipse: s-maj=21.0km s-min=8.6km az=-1.0.
ISC I 09 03 34 45.6–1.4 11.78N–.05 86.38W–.05 113–9 81 0-3
INET I 09 03 34 46.0–.57 11.73N 86.42W 109–1 3.5W ¶612453776
UCR I 09 03 34 46.1–.87 11.64N 86.40W 112–10 4.0W
SNET I 09 03 34 48.1–.91 11.86N 86.61W 122–30 3.3L
ISC Event type ke.
INET Error ellipse: s-maj=3.0km s-min=2.6km az=-1.0.
UCR Error ellipse: s-maj=6.1km s-min=14.2km az=-1.0.
SNET Error ellipse: s-maj=24.2km s-min=7.8km az=-1.0.
ISC I 11 20 42 08.6–1.8 12.6N–.10 87.77W–.08 10 12 1-2
SNET I 11 20 42 06.6–1.9 12.34N 87.77W 13–29 3.1L ¶612453787
INET I 11 20 42 11.1–.87 12.59N 87.70W 15–11 2.9W
ISC Event type ke.
SNET Error ellipse: s-maj=16.3km s-min=14.7km az=-1.0.
INET Error ellipse: s-maj=8.6km s-min=8.8km az=-1.0.
ISC I 12 10 32 42.1–2.2 12.6N–.10 87.96W–.07 35 15 1-2
SNET I 12 10 32 43.8–2.1 12.90N 88.03W 80–24 2.9L ¶612523112
ISC Event type ke.
SNET Error ellipse: s-maj=32.0km s-min=10.4km az=-1.0.
ISC I 15 06 37 45.0–2.1 12.3N–.10 87.48W–.06 29–14 24 1-2
INET I 15 06 37 46.1–.41 12.27N 87.49W 26–2 3.3L ¶612453806
SNET I 15 06 37 46.9–1.1 12.36N 87.57W 28–4 3.4L
ISC Event type ke.
INET Error ellipse: s-maj=2.8km s-min=2.5km az=-1.0.
SNET Error ellipse: s-maj=5.9km s-min=6.1km az=-1.0.
ISC I 15 20 11 37.6–2.3 11.27N–.06 87.47W–.09 6–13 41 1-5
INET I 15 20 11 39.6–.78 11.22N 87.51W 15–8 3.7W ¶614641296
UCR I 15 20 11 42.9–1.9 11.02N 87.43W 34–999 3.6W
ISC Event type ke.
INET Error ellipse: s-maj=5.0km s-min=4.8km az=-1.0.
UCR Error ellipse: s-maj=31.6km s-min=25.3km az=-1.0.
ISC I 20 02 15 20.9–3.3 12.0N–.10 87.81W–.07 18–12 29 1-3
SNET I 20 02 15 23.3–1.1 12.10N 87.84W 61–29 2.9L ¶612453838
INET I 20 02 15 24.2–1.1 12.10N 87.70W 19–13 3.0W
ISC Event type ke.
SNET Error ellipse: s-maj=8.9km s-min=3.9km az=-1.0.
INET Error ellipse: s-maj=8.6km s-min=8.7km az=-1.0.
ISC I 20 04 30 23.6–1.6 12.25N–.06 87.47W–.04 15–11 33 1-3
INET I 20 04 30 25.4–1.5 12.26N 87.46W 20–16 3.1L ¶612453842
SNET I 20 04 30 26.2–.89 12.35N 87.45W 61–19 2.7L
ISC Event type ke.
INET Error ellipse: s-maj=4.9km s-min=4.9km az=-1.0.
SNET Error ellipse: s-maj=7.5km s-min=3.3km az=-1.0.
ISC I 22 03 35 53.8–2.5 12.6N–.20 87.7W–.10 67 9 1-2
INET I 22 03 35 53.0–.35 12.82N 87.43W 98–3 2.6W ¶612453859
SNET I 22 03 35 53.8–.55 12.56N 87.79W 60–15 2.9L
ISC Event type ke.
INET Error ellipse: s-maj=4.5km s-min=3.5km az=-1.0.
SNET Error ellipse: s-maj=10.6km s-min=3.8km az=-1.0.
ISC I 28 01 54 11.1–3.0 12.2N–.10 87.80W–.07 29–24 19 1-3
INET I 28 01 54 09.7–.66 12.10N 87.83W 15–8 3.1W ¶612453881
SNET I 28 01 54 11.3–1.3 12.27N 87.80W 25–6 2.7L
ISC Event type ke.
INET Error ellipse: s-maj=5.0km s-min=4.9km az=-1.0.

SNET Error ellipse: s-maj=6.1km s-min=9.7km az=-1.0.
ISC II 02 14 53 56.5–1.7 12.6N–.10 87.98W–.06 66–22 34 1-2
SNET II 02 14 53 56.3–.88 12.57N 88.00W 51 3.6L ¶612453907
INET II 02 14 53 57.5–.45 12.60N 87.98W 31–999 3.8W
ISC Event type ke.
SNET Error ellipse: s-maj=3.8km s-min=2.7km az=-1.0.
INET Error ellipse: s-maj=3.4km s-min=2.9km az=-1.0.
ISC II 03 00 11 30.0–1.6 12.12N–.08 87.73W–.06 10 27 1-3
SNET II 03 00 11 30.5–.91 12.10N 87.81W 16–4 3.2L ¶612453912
INET II 03 00 11 33.4–.86 12.22N 87.58W 13–9 3.6W
ISC Event type ke.
SNET Error ellipse: s-maj=4.4km s-min=6.1km az=-1.0.
INET Error ellipse: s-maj=5.2km s-min=6.6km az=-1.0.
ISC II 16 00 55 46.9–3.4 12.4N–.20 87.8W–.10 50 9 1-1
SNET II 16 00 55 46.2–.80 12.42N 87.82W 45–60 2.4L ¶612453978
INET II 16 00 55 47.3–.37 12.50N 87.68W 75–6 2.6W
ISC Event type ke.
SNET Error ellipse: s-maj=10.3km s-min=7.6km az=-1.0.
INET Error ellipse: s-maj=2.5km s-min=8.1km az=-1.0.
ISC II 16 09 00 27.0–2.2 12.5N–.10 87.88W–.08 66–30 17 1-2
INET II 16 09 00 27.9–.60 12.54N 87.80W 73–6 2.8W ¶612453981
SNET II 16 09 00 28.6–.86 12.61N 87.86W 68–10 2.5L
ISC Event type ke.
INET Error ellipse: s-maj=3.9km s-min=3.3km az=-1.0.
SNET Error ellipse: s-maj=7.9km s-min=2.9km az=-1.0.
ISC II 24 13 41 12.1–.38 12.56N–.04 87.88W–.03 64–3 4.8b 569 1-148
IDC II 24 13 41 12.5–1.2 12.81N 87.52W 61–9 4.5,4.3b ¶610240615
GCMT II 24 13 41 12.8–.30 12.34N–.02 87.96W–.03 52–1 4.9W,4.3b
INET II 24 13 41 13.4–.74 12.48N 87.92W 52–15 5.1W,4.3b
SNET II 24 13 41 14.2–2.0 12.66N 87.86W 62 4.9L,4.3b
NEIC II 24 13 41 14.8–2.2 12.60N–.06 87.83W–.06 78–5 4.9b,4.3b
GCG II 24 13 41 14.0–3.1 12.70N 87.71W 92 4.6,4.3b
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s306.61597°,δ50.02242°,λ-116.24001°. NP2: ϕ_s164.11208°,δ46.58096°,λ-62.19590°. Principal axes: T Plg1.8170°,Azm54.8435° ; N Plg19.8040°,Azm324.1890°; P Plg70.1058°,Azm149.8727°
IDC Error ellipse: s-maj=22.7km s-min=8.4km az=60.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s35,c40; s76,c93;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.68±.13 $M_{\theta\theta}$1.37±.10; $M_{\phi\phi}$1.31±.11; $M_{r\theta}$0.79±.06; $M_{\theta\phi}$-0.95±.08; $M_{\phi r}$-0.33±.07; Best double couple: NP1:ϕ_s308.00000°,δ54.00000°,λ-96.00000°. NP2:ϕ_s139.00000°,δ36.00000°,λ-81.00000°. Principal axes: T 2.4130,Plg9.0000° ,Azm43.0000°; N 0.4210,Plg5.0000°,Azm312.0000°; P -2.8340,Plg80.0000°,Azm192.0000° $M_0$2.62300×10^{16}
INET Error ellipse: s-maj=3.8km s-min=4.3km az=-1.0.
SNET Error ellipse: s-maj=8.5km s-min=7.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=6.5km az=220.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCG Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
ISC III 05 22 50 15.7–.88 12.20N–.04 87.76W–.04 52–9 4.7b 313 1-149
INET III 05 22 50 14.2–1.1 12.15N 87.77W 15–10 4.0W ¶610545615
NEIC III 05 22 50 15.8–1.7 12.17N–.06 87.76W–.05 44–8 4.7b
IDC III 05 22 50 16.0–2.0 12.30N 87.50W 51–18 4.4,4.1b
SNET III 05 22 50 16.0–1.6 12.21N 87.79W 43–7 4.5L,4.1b
ISC Event type se.
INET Error ellipse: s-maj=3.1km s-min=6.5km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=6.7km az=206.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=25.4km s-min=9.5km az=56.0.
SNET Error ellipse: s-maj=6.9km s-min=8.8km az=-1.0.
ISC III 06 07 55 10.4–2.3 12.4N–.10 87.96W–.09 50 13 1-2
INET III 06 07 55 09.2–.36 12.46N 88.06W 21–8 2.7W ¶612454077
SNET III 06 07 55 10.3–.45 12.48N 87.95W 55–15 2.4L
ISC Event type ke.
INET Error ellipse: s-maj=5.0km s-min=3.8km az=-1.0.
SNET Error ellipse: s-maj=7.8km s-min=3.4km az=-1.0.
ISC III 12 19 48 09.0–2.4 12.5N–.20 87.9W–.10 10 9 1-1
INET III 12 19 48 11.5–.75 12.50N 87.89W 15–8 2.8W ¶612454109
SNET III 12 19 48 13.4–1.2 13.93N 87.47W 15–722 3.2L
ISC Event type ke.
INET Error ellipse: s-maj=6.1km s-min=4.8km az=-1.0.
SNET Error ellipse: s-maj=496.5km s-min=505.2km az=-1.0.
ISC III 14 11 23 59.2–1.7 12.3N–.10 87.27W–.06 75–15 30 0-3
INET III 14 11 23 58.6–.49 12.34N 87.32W 76–3 2.6W ¶612454116
SNET III 14 11 24 00.9–1.1 12.55N 87.27W 77–16 3.0L
ISC Event type ke.
INET Error ellipse: s-maj=3.7km s-min=3.3km az=-1.0.
SNET Error ellipse: s-maj=10.2km s-min=4.2km az=-1.0.
ISC III 15 21 09 56.3–1.6 12.48N–.09 87.47W–.06 72–13 39 0-3
INET III 15 21 09 56.0–1.0 12.28N 87.59W 28–7 3.1W ¶612454124
SNET III 15 21 09 56.2–.80 12.44N 87.48W 52–20 3.6L
ISC Event type ke.
INET Error ellipse: s-maj=5.6km s-min=3.5km az=-1.0.
SNET Error ellipse: s-maj=7.1km s-min=3.9km az=-1.0.
ISC III 16 15 22 33.5–1.4 11.27N–.04 86.73W–.05 18–9 3.3b 64 1-140
IDC III 16 15 22 28.3–4.3 11.83N 85.68W 0 3.3,3.3b ¶610546320
UCR III 16 15 22 34.2–1.5 11.19N 86.79W 21–8 4.1W,3.3b
INET III 16 15 22 36.1–1.2 11.32N 86.67W 14–7 3.9W,3.3b
ISC Event type ke.
IDC Error ellipse: s-maj=127.7km s-min=78.5km az=60.0.
UCR Error ellipse: s-maj=9.4km s-min=6.0km az=-1.0.
INET Error ellipse: s-maj=3.8km s-min=5.5km az=-1.0.
ISC III 16 16 58 05.1–1.5 12.4N–.10 87.26W–.06 109–10 3.3b 31 0-139
IDC III 16 16 57 41.3–3.8 11.26N 86.77W 0 3.4,3.4b ¶610546324
INET III 16 16 58 06.9–.71 12.52N 87.20W 98–5 3.6L,3.4b
SNET III 16 16 58 07.6–.62 12.77N 87.28W 117–6 3.5L,3.4b
ISC Event type ke.
IDC Error ellipse: s-maj=78.3km s-min=64.9km az=169.0.
INET Error ellipse: s-maj=4.5km s-min=8.7km az=-1.0.
SNET Error ellipse: s-maj=9.8km s-min=3.1km az=-1.0.
INET III 18 05 56 27.4–.41 11.84N 86.31W 162–5 3.0W
¶614641819
INET Error ellipse: s-maj=5.4km s-min=3.4km az=-1.0.
ISC III 19 17 35 16.7–2.9 12.5N–.40 87.5W–.30 71–58 12 0-1
INET III 19 17 35 17.6–.48 12.36N 87.50W 59–7 3.1W ¶612454152
SNET III 19 17 35 19.7–.75 12.63N 87.56W 65–14 2.9L
ISC Event type ke.
INET Error ellipse: s-maj=4.1km s-min=5.2km az=-1.0.
SNET Error ellipse: s-maj=9.9km s-min=5.2km az=-1.0.
ISC III 21 02 48 54.0–.80 11.31N–.04 86.21W–.04 83–7 3.8b 134 1-140
UCR III 21 02 48 54.8–1.3 11.30N 86.19W 74–6 4.3W ¶610543371
INET III 21 02 48 55.5–.79 11.33N 86.17W 64–6 3.8W
IDC III 21 02 48 56.2–1.4 11.01N 85.89W 126–13 3.7,3.3b
UPA III 21 02 48 57.1–1.1 11.54N 85.68W 10–98 4.2W,3.3b
SNET III 21 02 48 59.1–1.2 11.32N 86.63W 34–999 4.1L,3.3b
ISC Event type ke.
UCR Error ellipse: s-maj=4.0km s-min=4.2km az=-1.0.
INET Error ellipse: s-maj=4.0km s-min=2.8km az=-1.0.
IDC Error ellipse: s-maj=41.9km s-min=17.7km az=68.0.
UPA Error ellipse: s-maj=48.5km s-min=85.3km az=-1.0.
SNET Error ellipse: s-maj=582.3km s-min=506.3km az=-1.0.
ISC III 21 07 41 56.1–1.8 12.57N–.09 87.99W–.06 27–14 23 1-2
SNET III 21 07 41 57.6–1.0 12.65N 88.01W 48–36 3.2L ¶612454168
INET III 21 07 41 58.1–.69 12.68N 87.87W 23–10 3.0L
ISC Event type ke.
SNET Error ellipse: s-maj=13.3km s-min=8.0km az=-1.0.
INET Error ellipse: s-maj=5.2km s-min=5.9km az=-1.0.
ISC III 23 01 59 00.5–1.7 12.29N–.07 87.90W–.04 17–10 3.7b 49 1-63
SNET III 23 01 59 00.7–1.5 12.16N 87.98W 21 3.6L ¶610543499
INET III 23 01 59 01.0–.92 12.15N 87.92W 8–7 3.5W
IDC III 23 01 59 01.5–1.6 13.24N 87.17W 0 3.6,3.6b
ISC Event type ke.
SNET Error ellipse: s-maj=5.8km s-min=6.3km az=-1.0.
INET Error ellipse: s-maj=3.7km s-min=4.9km az=-1.0.
IDC Error ellipse: s-maj=67.8km s-min=22.8km az=51.0.
ISC III 25 00 34 28.4–1.5 11.34N–.04 87.86W–.04 8–9 4.3b,3.5s 209 1-150
IDC III 25 00 34 26.7–1.0 11.14N 87.88W 0 4.2L,3.9 ¶610434923
INET III 25 00 34 30.0–1.4 11.28N 87.99W 15–9 4.4W,3.9
NEIC III 25 00 34 31.5 11.38N 87.77W 21 4.4W,3.9
UCR III 25 00 34 31.1–1.6 11.25N 87.97W 35–53 4.1b,3.8W
NEIC III 25 00 34 32.1–1.9 11.40N–.07 87.72W–.07 26–6 4.4b,4.1
SNET III 25 00 34 33.4–.78 11.46N 88.00W 34–59 3.8L,4.1
ISC Event type se.
IDC Error ellipse: s-maj=33.2km s-min=16.5km az=42.0.
INET Error ellipse: s-maj=4.3km s-min=5.9km az=-1.0.
NEIC Event type se.
UCR Error ellipse: s-maj=10.9km s-min=32.5km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=7.6km az=225.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-0.69 $M_{\theta\theta}$1.13 $M_{\phi\phi}$-0.44 $M_{r\theta}$-0.44 $M_{\theta\phi}$1.10 $M_{\phi r}$0.61 NP1:ϕ_s204.75000°,δ61.31000°,λ-152.24000°. NP2:ϕ_s100.57000° ,δ65.89000°,λ-31.73000°. Principal axes: T 1.6994,Plg3.0000°,Azm154.0000° ; N -0.0950,Plg51.0000°,Azm247.0000°; P -1.6044,Plg39.0000°,Azm61.0000° $M_0$1.65000×10^{15}
SNET Error ellipse: s-maj=35.2km s-min=10.4km az=-1.0.
INET III 26 11 47 23.0–.53 12.62N 87.24W 121–7 3.3W
SNET III 26 11 47 22.8–.89 12.64N 87.37W 133–11 3.2L ¶612454191
INET Error ellipse: s-maj=5.3km s-min=3.8km az=-1.0.
SNET Error ellipse: s-maj=18.6km s-min=10.1km az=-1.0.
SNET III 26 13 46 42.2–1.0 12.50N 87.83W 26–259 2.5L
INET III 26 13 46 40.9–.25 12.13N 87.56W 15–1 2.9W ¶612454192
SNET Error ellipse: s-maj=44.5km s-min=19.4km az=-1.0.
INET Error ellipse: s-maj=3.5km s-min=3.3km az=-1.0.
ISC III 29 16 59 07.7–.33 11.94N–.03 86.55W–.04 84–2 5.0b 969 0-150
UPA III 29 16 58 59.8–2.6 12.08N 87.16W 8–230 5.0W ¶610448492
SNET III 29 16 59 07.9–1.4 11.82N 86.62W 61 5.4L
MOS III 29 16 59 08.2–1.2 12.02N 86.41W 101 4.8b
INET III 29 16 59 08.6–.68 11.84N 86.63W 69–2 5.1W
NEIC III 29 16 59 08.4 11.90N 86.59W 82 5.1W
UCR III 29 16 59 08.1–1.6 11.80N 86.63W 22–8 5.1b,4.9W
IDC III 29 16 59 08.8–.44 12.19N 86.20W 89–3 4.5,4.2b
NEIC III 29 16 59 08.2–1.8 11.90N–.04 86.60W–.04 80–4 5.1,5.0b
GCMT III 29 16 59 09.2–.30 11.97N–.02 86.76W–.02 97–4 5.0W,5.0b
GCG III 29 16 59 42.7–.31 13.99N 88.64W 161–124 4.7,5.0b
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s62.67589°,δ55.92396°,λ167.44144°. NP2: ϕ_s159.79047°,δ79.62428°,λ34.72282°. Principal axes: T Plg31.5699°,Azm26.7795° ; N Plg53.9474°,Azm174.3582°; P Plg15.5950°,Azm286.9040°
UPA Error ellipse: s-maj=122.9km s-min=277.3km az=-1.0.
SNET Error ellipse: s-maj=11.6km s-min=23.7km az=-1.0.
MOS Error ellipse: s-maj=13.0km s-min=5.9km az=119.4.
INET Error ellipse: s-maj=2.0km s-min=2.1km az=-1.0.
NEIC Event type se.
UCR Error ellipse: s-maj=7.5km s-min=8.2km az=-1.0.
IDC Error ellipse: s-maj=16.9km s-min=5.9km az=59.0.
NEIC Event type se. Error ellipse: s-maj=8.0km s-min=2.4km az=218.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-0.13 $M_{\theta\theta}$2.11 $M_{\phi\phi}$-1.98 $M_{r\theta}$2.59 $M_{\theta\phi}$-0.30 $M_{\phi r}$-3.94 NP1:ϕ_s53.42000°,δ23.52000°,λ-179.97000°. NP2:ϕ_s323.39000° ,δ89.99000°,λ-66.48000°. Principal axes: T 4.8879,Plg40.0000°,Azm32.0000° ; N 0.4851,Plg24.0000°,Azm143.0000°; P -5.3730,Plg40.0000°,Azm255.0000° $M_0$5.15000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s38,c45; s114,c150;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.85±.14 $M_{\theta\theta}$0.96±.14; $M_{\phi\phi}$-1.81±.15; $M_{r\theta}$1.28±.07; $M_{\theta\phi}$-2.07±.16; $M_{\phi r}$-2.49±.08; Best double couple: NP1:ϕ_s167.00000°,δ81.00000°,λ48.00000°. NP2:ϕ_s66.00000°,δ43.00000°,λ166.00000°. Principal axes: T 3.9830,Plg39.0000° ,Azm39.0000°; N -0.3510,Plg41.0000°,Azm175.0000°; P -3.6310,Plg24.0000° ,Azm288.0000° $M_0$3.80700×10^{16}
GCG Error ellipse: s-maj=60.3km s-min=218.0km az=-1.0.
ISC III 30 04 08 47.4–1.8 12.8N–.10 87.74W–.06 121–12 40 0-2
INET III 30 04 08 46.2–.94 12.84N 87.81W 124–5 3.1W ¶612454221
SNET III 30 04 08 47.6–1.7 12.88N 87.76W 118–10 3.2L
ISC Event type ke.
INET Error ellipse: s-maj=6.4km s-min=5.0km az=-1.0.
SNET Error ellipse: s-maj=20.1km s-min=8.4km az=-1.0.
ISC III 30 16 44 15.1–2.6 12.1N–.20 87.05W–.08 66–25 18 1-2
INET III 30 16 44 16.1–.93 12.20N 87.03W 65–5 3.0W ¶612454226
SNET III 30 16 44 17.0–.86 12.19N 87.28W 23–6 3.6L
ISC Event type ke.
INET Error ellipse: s-maj=4.4km s-min=4.2km az=-1.0.
SNET Error ellipse: s-maj=5.3km s-min=10.2km az=-1.0.
ISC IV 02 12 15 08.3–1.9 12.5N–.10 87.86W–.08 50 12 1-2
SNET IV 02 12 15 07.6–1.1 12.51N 87.93W 6–23 3.2L ¶612454241
INET IV 02 12 15 08.3–.25 12.69N 87.78W 14–3 3.0W
ISC Event type ke.
SNET Error ellipse: s-maj=11.5km s-min=6.6km az=-1.0.
INET Error ellipse: s-maj=2.4km s-min=3.2km az=-1.0.
ISC IV 05 02 14 28.4–.85 11.96N–.05 86.79W–.06 79–7 3.3b 93 0-140
UCR IV 05 02 14 28.8–.33 11.92N 86.79W 60–14 4.4W ¶610651958
IDC IV 05 02 14 28.3–1.8 12.14N 86.51W 77–24 3.6,3.1b
INET IV 05 02 14 29.3–.54 11.94N 86.80W 70–3 3.7W,3.1b
SNET IV 05 02 14 32.0–.73 12.24N 86.94W 16–68 3.3L,3.1b
ISC Event type ke.
UCR Error ellipse: s-maj=6.2km s-min=6.5km az=-1.0.
IDC Error ellipse: s-maj=50.3km s-min=14.6km az=47.0.
INET Error ellipse: s-maj=2.2km s-min=2.1km az=-1.0.
SNET Error ellipse: s-maj=177.3km s-min=206.3km az=-1.0.
ISC IV 05 09 01 53.0–1.4 11.92N–.06 86.41W–.06 139–9 102 0-5
INET IV 05 09 01 52.8–.52 11.97N 86.34W 140–4 3.4W ¶612454251
UCR IV 05 09 01 53.2–2.3 11.86N 86.38W 142–8 3.7W
SNET IV 05 09 01 54.6–1.2 12.60N 86.36W 172–29 3.4L
ISC Event type ke.
INET Error ellipse: s-maj=2.2km s-min=3.2km az=-1.0.
UCR Error ellipse: s-maj=8.7km s-min=11.4km az=-1.0.
SNET Error ellipse: s-maj=43.5km s-min=22.0km az=-1.0.
ISC IV 07 08 23 41.6–2.2 11.3N–.10 87.97W–.07 10 22 2-3
INET IV 07 08 23 44.9–.73 11.25N 87.89W 15–11 3.0W ¶612454260
SNET IV 07 08 23 51.7–.82 11.77N 87.92W 13–12 2.9L
ISC Event type ke.
INET Error ellipse: s-maj=6.8km s-min=13.6km az=-1.0.
SNET Error ellipse: s-maj=7.7km s-min=9.4km az=-1.0.
ISC IV 08 09 29 34.5–1.7 11.54N–.04 86.36W–.06 89–14 90 0-3
UCR IV 08 09 29 33.6–.70 11.59N 86.35W 84–7 3.6W ¶614642706
INET IV 08 09 29 34.4–.41 11.54N 86.34W 88–3 3.4W
ISC Event type ke.
UCR Error ellipse: s-maj=4.1km s-min=5.3km az=-1.0.
INET Error ellipse: s-maj=1.5km s-min=2.0km az=-1.0.
ISC IV 08 10 04 47.3–1.4 11.62N–.04 87.33W–.05 28–9 4.4b,3.5s 156 1-149
IDC IV 08 10 04 42.8–.95 11.73N 87.09W 0 4.0b,3.9 ¶610523728
INET IV 08 10 04 47.9–.69 11.52N 87.25W 12–8 4.2W,3.9
NEIC IV 08 10 04 48.6–1.4 11.52N–.06 87.28W–.07 35–2 4.4b,3.9
UCR IV 08 10 04 49.7–2.5 11.35N 87.11W 5 4.4W,3.9
SNET IV 08 10 04 50.3–.74 11.86N 87.43W 18–211 3.5L,3.9
ISC Event type se.
IDC Error ellipse: s-maj=40.1km s-min=16.1km az=48.0.
INET Error ellipse: s-maj=4.2km s-min=4.0km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=8.2km az=238.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

UCR Error ellipse: s-maj=20.1km s-min=13.1km az=-1.0.
SNET Error ellipse: s-maj=117.2km s-min=77.8km az=-1.0.
ISC IV 09 12 23 25.8–1.3 11.47N–.04 86.35W–.05 47–22 102 1-4
UCR IV 09 12 23 24.2–.72 11.48N 86.30W 21–2 3.7W ¶614642804
INET IV 09 12 23 25.9–1.3 11.46N 86.33W 51–8 3.3W
ISC Event type ke.
UCR Error ellipse: s-maj=4.1km s-min=3.9km az=-1.0.
INET Error ellipse: s-maj=2.6km s-min=3.3km az=-1.0.
ISC IV 10 13 23 00.8–.72 11.40N–.05 87.22W–.06 10 3.6b 45 1-150
IDC IV 10 13 23 01.3–1.2 11.96N 86.80W 0 3.7,3.6b ¶610652384
INET IV 10 13 23 01.6–.67 11.30N 87.26W 8–10 3.9W,3.6b
UCR IV 10 13 23 18.5–2.8 11.29N 86.05W 9–999 3.7W,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=51.3km s-min=14.7km az=47.0.
INET Error ellipse: s-maj=3.8km s-min=4.3km az=-1.0.
UCR Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
INET IV 12 08 56 15.2–1.1 11.07N 87.72W 15–11 3.4W
¶614643021
INET Error ellipse: s-maj=7.6km s-min=18.1km az=-1.0.
ISC IV 12 10 04 04.1–1.9 11.88N–.05 86.43W–.08 139–12 80 0-4
UCR IV 12 10 04 03.7–.63 12.35N 86.13W 19–984 3.6W ¶614643022
INET IV 12 10 04 04.7 11.86N 86.43W 130 3.3W
ISC Event type ke.
UCR Error ellipse: s-maj=542.8km s-min=287.0km az=-1.0.
ISC IV 12 19 19 27.9–1.2 11.45N–.08 87.39W–.06 10 16 1-150
IDC IV 12 19 19 23.8–3.9 10.64N 87.90W 0 3.4b,3.3 ¶610652574
INET IV 12 19 19 23.5–1.4 11.15N 87.71W 15–8 3.5W,3.3
ISC Event type ke.
IDC Error ellipse: s-maj=142.0km s-min=30.9km az=29.0.
INET Error ellipse: s-maj=10.5km s-min=8.1km az=-1.0.
ISC IV 12 21 13 04.7–1.6 11.91N–.05 87.09W–.05 33–5 74 1-5
INET IV 12 21 13 05.2–.93 11.91N 87.11W 26–5 3.5W ¶612454306
UCR IV 12 21 13 05.6–1.5 11.91N 87.02W 37–309 3.6W
SNET IV 12 21 13 05.9–.49 12.05N 87.24W 16–10 3.8L
ISC Event type ke.
INET Error ellipse: s-maj=2.2km s-min=3.2km az=-1.0.
UCR Error ellipse: s-maj=7.6km s-min=8.5km az=-1.0.
SNET Error ellipse: s-maj=9.3km s-min=18.6km az=-1.0.
ISC IV 18 16 41 16.1–.94 12.86N–.05 87.06W–.04 17–7 25 0-3
INET IV 18 16 41 16.9–1.2 12.84N 87.04W 6–3 3.4W ¶612454342
SNET IV 18 16 41 17.4–1.2 12.94N 87.10W 0–12 3.5L
ISC Event type ke.
INET Error ellipse: s-maj=1.9km s-min=2.7km az=-1.0.
SNET Error ellipse: s-maj=21.2km s-min=11.6km az=-1.0.
ISC IV 19 11 50 18.1–1.5 11.58N–.05 86.36W–.06 60–13 36 0-2
INET IV 19 11 50 16.8–1.4 11.47N 86.52W 16–7 3.4W ¶614643883
UCR IV 19 11 50 17.4–1.4 11.55N 86.37W 52–14 3.6W
ISC Event type ke.
INET Error ellipse: s-maj=5.4km s-min=6.4km az=-1.0.
UCR Error ellipse: s-maj=6.5km s-min=8.4km az=-1.0.
ISC IV 21 15 10 55.7–1.4 11.70N–.05 87.46W–.05 13–9 4.3b 68 1-149
INET IV 21 15 10 46.1–2.5 11.32N 88.35W 15–19 3.7W ¶610653204
SNET IV 21 15 10 57.8–1.5 11.53N 87.61W 34–210 3.6L
NEIC IV 21 15 11 00.6–1.3 11.77N–.02 87.4W–.10 47–16 4.2b
UCR IV 21 15 11 02.6–4.3 12.17N 86.88W 34–999 3.8W
IDC IV 21 15 11 05.1–2.8 12.02N 87.09W 80–24 3.8,3.5b
ISC Event type se.
INET Error ellipse: s-maj=17.5km s-min=18.5km az=-1.0.
SNET Error ellipse: s-maj=127.5km s-min=52.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=18.1km s-min=3.1km az=89.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
UCR Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
IDC Error ellipse: s-maj=47.9km s-min=15.2km az=55.0.
ISC IV 22 02 07 39.8–3.1 12.0N–.10 87.80W–.07 19–6 20 1-2
INET IV 22 02 07 41.0–1.0 12.02N 87.80W 16–9 3.0W ¶612454390
SNET IV 22 02 07 41.4–.87 12.05N 87.83W 21–5 2.9L
ISC Event type ke.
INET Error ellipse: s-maj=6.8km s-min=4.3km az=-1.0.
SNET Error ellipse: s-maj=4.7km s-min=8.1km az=-1.0.
ISC IV 22 02 38 55.6–1.7 12.3N–.10 87.44W–.06 62–17 33 1-3
INET IV 22 02 38 55.9–1.3 12.26N 87.48W 29–12 3.4W ¶612454391
SNET IV 22 02 38 56.8–1.1 12.40N 87.51W 70–22 3.7L
ISC Event type ke.
INET Error ellipse: s-maj=4.4km s-min=3.8km az=-1.0.
SNET Error ellipse: s-maj=16.0km s-min=8.0km az=-1.0.
ISC IV 22 03 12 59.1–1.6 12.46N–.09 87.77W–.05 68–19 45 1-3
INET IV 22 03 13 00.5–1.2 12.45N 87.74W 29–14 3.7W ¶612454392
SNET IV 22 03 13 01.1–1.3 12.56N 87.85W 59–23 3.7L
ISC Event type ke.
INET Error ellipse: s-maj=4.0km s-min=3.5km az=-1.0.
SNET Error ellipse: s-maj=15.5km s-min=4.9km az=-1.0.
ISC IV 22 04 28 40.7–2.3 11.7N–.10 87.73W–.07 10 22 1-3
INET IV 22 04 28 42.6–1.2 11.61N 87.80W 15 3.3W ¶612454393
SNET IV 22 04 28 44.6–.90 11.82N 87.80W 14–7 3.1L
ISC Event type ke.
INET Error ellipse: s-maj=8.0km s-min=5.1km az=-1.0.
SNET Error ellipse: s-maj=5.0km s-min=12.1km az=-1.0.
ISC IV 22 14 19 03.2–2.9 12.2N–.10 87.89W–.08 15–13 18 1-2
INET IV 22 14 19 05.8–1.4 12.15N 87.88W 28–23 3.3W ¶612454395
SNET IV 22 14 19 05.2–.74 12.22N 87.97W 14–11 3.2L
ISC Event type ke.
INET Error ellipse: s-maj=7.8km s-min=7.7km az=-1.0.
SNET Error ellipse: s-maj=4.8km s-min=9.7km az=-1.0.
ISC IV 26 18 29 42.2–.86 11.18N–.06 86.81W–.09 35 4.1b 44 1-150
IDC IV 26 18 29 38.3–1.4 11.71N 86.39W 0 3.8,3.8b ¶610650083
INET IV 26 18 29 40.6–1.2 11.10N 86.90W 15–16 3.8W,3.8b
NEIC IV 26 18 29 42.5–2.0 11.29N–.06 86.69W–.08 39–20 4.1b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 28 00 54 43.9–3.5 11.01N–.08 86.92W–.07 4–24 3.2b 25 1-150
IDC IV 28 00 54 45.7–1.3 11.84N 86.27W 0 3.4,3.3b ¶610650178
INET IV 28 00 54 45.9–1.3 10.93N 86.93W 15–11 3.6W,3.3b
ISC Event type ke.
IDC Error ellipse: s-maj=97.6km s-min=19.6km az=50.0.
INET Error ellipse: s-maj=7.8km s-min=6.8km az=-1.0.
ISC IV 28 01 10 26.7–.47 11.11N–.04 86.91W–.05 30 4.5b,4.0s 151 1-150
INET IV 28 01 10 15.5–.99 10.46N 87.26W 10–2 4.0W,4.0s ¶610575515
UCR IV 28 01 10 15.3–2.5 11.24N 87.77W 20 4.6W,4.5b
IDC IV 28 01 10 24.0–1.0 11.58N 86.63W 0 3.9s,3.9
NEIC IV 28 01 10 28.4–1.8 11.13N–.06 86.82W–.07 36–9 4.5b,3.9
SNET IV 28 01 10 29.4–.86 11.23N 87.06W 36 4.1L,3.9
ISC Event type se.
INET Error ellipse: s-maj=9.0km s-min=9.1km az=-1.0.
UCR Error ellipse: s-maj=28.9km s-min=51.4km az=-1.0.
IDC Error ellipse: s-maj=42.4km s-min=15.9km az=47.0.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=6.6km az=54.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SNET Error ellipse: s-maj=6.3km s-min=8.8km az=-1.0.
ISC IV 28 10 52 45.1–1.2 11.92N–.10 88.0W–.10 10 3.3b 14 1-54
IDC IV 28 10 52 47.1–2.3 12.70N 87.14W 0 3.2s,3.2 ¶610650220
SNET IV 28 10 52 50.5–1.1 12.18N 88.23W 16–12 2.7L,3.2
ISC Event type ke.
IDC Error ellipse: s-maj=139.8km s-min=28.4km az=51.0.
SNET Error ellipse: s-maj=8.4km s-min=7.9km az=-1.0.
ISC IV 29 17 58 42.6–.52 11.18N–.04 86.89W–.04 32–3 4.8b,4.0s 538 1-150
INET IV 29 17 58 35.7–1.2 10.70N 87.25W 15–15 4.7W,4.0s ¶610589259
IDC IV 29 17 58 38.8–.51 11.50N 86.50W 0 4.6L,4.3
UCR IV 29 17 58 41.6–1.2 11.07N 86.86W 5 4.8W,4.3
NEIC IV 29 17 58 43.8–1.9 11.16N–.05 86.80W–.06 41–6 4.8b,4.3
SNET IV 29 17 58 44.2–.47 11.26N 86.87W 50 4.8L,4.3
GCMT IV 29 17 58 46.8–.50 11.00N–.04 87.11W–.04 26–1 4.8W,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s29,c32; s65,c75;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.82±.14 $M_{\theta\theta}$-0.99±.09; $M_{\phi\phi}$-0.83±.11; $M_{r\theta}$0.82±.14; $M_{\theta\phi}$0.59±.06; $M_{\phi r}$-0.64±.19; Best double couple: NP1:ϕ_s130.00000°,δ61.00000°,λ89.00000°. NP2:ϕ_s312.00000°,δ29.00000°,λ92.00000°. Principal axes: T 2.1210,Plg74.0000° ,Azm36.0000°; N -0.3120,Plg1.0000°,Azm130.0000°; P -1.8090,Plg16.0000°,Azm221.0000° $M_0$1.96500×10^{16}
ISC IV 30 09 50 11.8–.49 11.08N–.04 86.97W–.05 10 4.5b,3.9s 211 1-150
IDC IV 30 09 50 11.8–.77 11.66N 86.46W 0 4.0,4.0b ¶610589483
UCR IV 30 09 50 12.0–1.1 10.91N 86.99W 5–25 4.4W,4.0b
INET IV 30 09 50 13.3–1.0 11.05N 87.05W 15–14 3.9W,4.0b
SNET IV 30 09 50 14.7–1.8 11.29N 87.18W 0–132 3.3L,4.0b
NEIC IV 30 09 50 17.4–.87 11.26N–.05 86.82W–.08 36–14 4.5b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 30 11 43 00.3–2.0 12.38N–.10 87.77W–.06 23–16 22 1-2
SNET IV 30 11 43 00.9–1.4 12.38N 87.89W 15–13 3.2L ¶612454466
INET IV 30 11 43 01.9–.92 12.41N 87.78W 27–10 2.8W
ISC Event type ke.
SNET Error ellipse: s-maj=8.4km s-min=8.8km az=-1.0.
INET Error ellipse: s-maj=3.9km s-min=3.3km az=-1.0.
ISC V 05 11 08 43.0–2.2 12.1N–.10 87.90W–.10 35 15 1-3
INET V 05 11 08 42.9–1.0 12.11N 87.89W 15–17 3.2W ¶612454539
SNET V 05 11 08 45.0–.59 12.29N 87.95W 27–9 3.3L
ISC Event type ke.
INET Error ellipse: s-maj=10.1km s-min=11.7km az=-1.0.
SNET Error ellipse: s-maj=5.0km s-min=10.8km az=-1.0.
ISC V 06 15 07 31.5–1.3 12.93N–.07 87.00W–.05 15–12 13 0-1
SNET V 06 15 07 32.5–1.1 12.99N 86.98W 12–715 3.1L ¶612454542
INET V 06 15 07 32.7–1.1 12.88N 87.02W 17–6 2.6W
ISC Event type ke.
SNET Error ellipse: s-maj=293.0km s-min=610.1km az=-1.0.
INET Error ellipse: s-maj=4.1km s-min=2.8km az=-1.0.
ISC V 09 16 09 24.4–2.6 12.7N–.20 87.96W–.08 3–27 16 1-1
INET V 09 16 09 21.5–1.2 12.43N 88.07W 15–29 3.1W ¶612454558
SNET V 09 16 09 25.7–.61 12.66N 87.92W 68–38 3.4L
ISC Event type ke.
INET Error ellipse: s-maj=9.5km s-min=13.3km az=-1.0.
SNET Error ellipse: s-maj=28.0km s-min=10.7km az=-1.0.
ISC V 10 22 20 35.5–1.7 12.5N–.10 87.83W–.07 65–26 20 1-3
SNET V 10 22 20 35.4–2.0 12.65N 87.74W 78 4.2L,3.9L ¶612454566
INET V 10 22 20 36.0–.77 12.50N 87.80W 15–6 3.5W,3.9L
ISC Event type ke.
SNET Error ellipse: s-maj=25.1km s-min=13.3km az=-1.0.
INET Error ellipse: s-maj=4.1km s-min=3.7km az=-1.0.
ISC V 12 03 40 13.7–2.0 12.4N–.10 87.70W–.07 84–20 26 1-2
INET V 12 03 40 15.0–1.0 12.31N 87.78W 29–18 3.6W ¶612454572
SNET V 12 03 40 16.7–.84 12.54N 87.80W 68–15 3.1L
ISC Event type ke.
INET Error ellipse: s-maj=6.6km s-min=6.6km az=-1.0.
SNET Error ellipse: s-maj=11.6km s-min=3.9km az=-1.0.
ISC V 15 05 52 00.4–1.9 11.97N–.09 87.85W–.05 4–11 35 1-2
INET V 15 05 52 06.0–1.6 12.11N 87.74W 8–6 3.1W ¶612454592
SNET V 15 05 52 08.2–.77 12.21N 87.98W 13–5 2.5L
ISC Event type ke.
INET Error ellipse: s-maj=6.0km s-min=4.2km az=-1.0.
SNET Error ellipse: s-maj=3.3km s-min=5.3km az=-1.0.
ISC V 17 05 38 37.6–2.3 13.0N–.10 87.39W–.08 178–15 24 0-3
INET V 17 05 38 36.4–.37 12.93N 87.35W 186–3 3.2W ¶612454601
SNET V 17 05 38 37.7–.64 12.96N 87.40W 173–4 2.8L
ISC Event type ke.
INET Error ellipse: s-maj=4.6km s-min=5.1km az=-1.0.
SNET Error ellipse: s-maj=14.8km s-min=5.5km az=-1.0.
ISC V 22 16 34 18.3–2.3 12.11N–.10 87.69W–.06 9–12 24 1-2
INET V 22 16 34 23.2–1.0 12.30N 87.60W 16–7 3.3L ¶612454636
SNET V 22 16 34 24.1–.70 12.32N 87.80W 22–6 3.8L
ISC Event type ke.
INET Error ellipse: s-maj=5.8km s-min=4.0km az=-1.0.
SNET Error ellipse: s-maj=3.6km s-min=7.6km az=-1.0.
ISC V 23 07 21 09.6–1.6 12.51N–.09 87.69W–.06 75–13 36 0-3
INET V 23 07 21 09.7–.89 12.50N 87.72W 65–5 3.2W ¶612454638
SNET V 23 07 21 09.3–.73 12.43N 87.74W 30–4 3.5L
ISC Event type ke.
INET Error ellipse: s-maj=2.9km s-min=2.6km az=-1.0.
SNET Error ellipse: s-maj=4.1km s-min=8.7km az=-1.0.
ISC V 23 09 17 04.7–2.7 12.9N–.20 87.51W–.08 168–18 16 0-2
SNET V 23 09 16 57.0–1.1 12.47N 87.34W 198–13 3.5L ¶612454639
INET V 23 09 17 03.8–2.2 13.13N 87.57W 163–14 3.0W
ISC Event type ke.
SNET Error ellipse: s-maj=33.0km s-min=15.2km az=-1.0.
INET Error ellipse: s-maj=21.3km s-min=12.9km az=-1.0.
ISC V 25 06 03 38.8–2.4 12.4N–.10 87.96W–.06 15–12 20 1-2
INET V 25 06 03 36.7–.49 12.24N 87.99W 15–9 3.1W ¶612454647
SNET V 25 06 03 41.4–1.1 12.52N 88.05W 13–10 3.0L
ISC Event type ke.
INET Error ellipse: s-maj=3.9km s-min=4.8km az=-1.0.
SNET Error ellipse: s-maj=6.0km s-min=3.8km az=-1.0.
ISC V 25 12 19 55.7–1.1 11.80N–.05 87.74W–.06 51–11 4.5b,3.4s 117 1-149
IDC V 25 12 19 50.5–.98 12.14N 87.26W 0 4.0,4.0b ¶610685366
SNET V 25 12 19 51.9–2.4 11.87N 87.57W 122–166 4.1L,4.0b
INET V 25 12 19 52.8–.79 11.71N 87.82W 15–12 4.2W,4.0b
NEIC V 25 12 19 56.6–2.2 11.90N–.08 87.69W–.08 48–12 4.5b,4.0b
UCR V 25 12 19 56.5–1.8 11.69N 87.71W 34–951 4.5b,4.0b
ISC Event type ke.
IDC Error ellipse: s-maj=37.9km s-min=16.1km az=50.0.
SNET Error ellipse: s-maj=126.2km s-min=48.4km az=-1.0.
INET Error ellipse: s-maj=5.5km s-min=9.0km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=13.6km s-min=8.7km az=222.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
UCR Error ellipse: s-maj=262.6km s-min=541.4km az=-1.0.
ISC V 26 03 07 59.1–1.7 12.6N–.10 87.97W–.08 57–27 22 1-2
SNET V 26 03 07 59.3–1.5 12.63N 88.02W 44–85 3.5L ¶612454652
INET V 26 03 07 59.6–.77 12.69N 87.88W 15–13 3.4W
ISC Event type ke.
SNET Error ellipse: s-maj=20.3km s-min=13.4km az=-1.0.
INET Error ellipse: s-maj=7.8km s-min=11.3km az=-1.0.
ISC VI 06 08 22 11.6–1.8 11.49N–.05 86.04W–.07 100–16 37 1-3
INET VI 06 08 22 09.1–.68 11.04N 86.16W 49–27 2.8W ¶614649265
UCR VI 06 08 22 11.2–1.1 11.49N 86.01W 102–7 3.5W
ISC Event type ke.
INET Error ellipse: s-maj=5.9km s-min=3.5km az=-1.0.
UCR Error ellipse: s-maj=4.3km s-min=7.5km az=-1.0.
ISC VI 06 19 36 29.2–2.1 12.39N–.10 87.88W–.07 31–14 26 1-2
INET VI 06 19 36 30.5–.60 12.41N 87.82W 25–5 3.4L ¶612454745
SNET VI 06 19 36 31.4–1.0 12.53N 87.92W 51–25 3.9L
ISC Event type ke.
INET Error ellipse: s-maj=3.5km s-min=4.4km az=-1.0.
SNET Error ellipse: s-maj=10.1km s-min=5.2km az=-1.0.
ISC VI 08 20 46 57.1–.89 12.22N–.07 87.10W–.05 88–7 3.5b 59 0-140
INET VI 08 20 46 57.1–2.5 12.00N 87.24W 28–22 3.8W ¶610791481
IDC VI 08 20 46 57.5–1.8 12.28N 86.97W 92–24 3.5,3.1b
SNET VI 08 20 46 58.4–1.1 12.22N 87.20W 24–6 3.9L,3.1b
ISC Event type ke.

INET Error ellipse: s-maj=7.9km s-min=6.0km az=-1.0.
IDC Error ellipse: s-maj=61.2km s-min=14.0km az=54.0.
SNET Error ellipse: s-maj=4.8km s-min=5.7km az=-1.0.
ISC VI 10 03 53 26.2–2.4 12.1N–.10 87.48W–.07 26–17 16 1-2
INET VI 10 03 53 27.2–.66 12.22N 87.40W 72–5 2.8W ¶612454788
SNET VI 10 03 53 29.7–.62 12.23N 87.65W 23–4 2.8L
ISC Event type ke.
INET Error ellipse: s-maj=4.4km s-min=3.1km az=-1.0.
SNET Error ellipse: s-maj=3.7km s-min=7.8km az=-1.0.
ISC VI 11 05 45 45.4–1.8 12.5N–.20 87.62W–.08 68–20 19 1-2
INET VI 11 05 45 45.3–.78 12.47N 87.62W 66–8 2.8W ¶612454808
SNET VI 11 05 45 46.3–.54 12.43N 87.87W 15–5 2.1L
ISC Event type ke.
INET Error ellipse: s-maj=6.7km s-min=4.2km az=-1.0.
SNET Error ellipse: s-maj=3.2km s-min=4.2km az=-1.0.
ISC VI 15 14 25 16.3–1.4 11.37N–.04 86.29W–.05 62–16 94 1-4
UCR VI 15 14 25 15.7–1.5 11.37N 86.29W 61–10 3.6W ¶614650157
INET VI 15 14 25 15.7–.92 11.32N 86.31W 60–9 3.9L
ISC Event type ke.
UCR Error ellipse: s-maj=3.5km s-min=4.4km az=-1.0.
INET Error ellipse: s-maj=7.4km s-min=4.5km az=-1.0.
ISC VI 17 00 51 27.7–1.9 11.68N–.06 87.24W–.10 49 27 1-4
UCR VI 17 00 51 25.5–1.6 11.63N 87.41W 77–94 3.5W ¶614650334
INET VI 17 00 51 29.0–.26 11.71N 87.15W 24–8 3.6W
ISC Event type ke.
UCR Error ellipse: s-maj=12.2km s-min=35.8km az=-1.0.
INET Error ellipse: s-maj=1.5km s-min=2.5km az=-1.0.
ISC VI 17 13 47 38.1–.29 11.33N–.03 86.68W–.03 42–2 5.4b,5.2s 1224 1-153
UPA VI 17 13 47 12.3–6.4 12.56N 88.31W 0–407 5.5W,5.2s ¶610680840
UCR VI 17 13 47 36.0–2.1 11.22N 86.87W 16–10 5.5b,5.4W
INET VI 17 13 47 37.0–.70 11.21N 86.80W 15–5 5.2W,5.4W
NEIC VI 17 13 47 39.5 11.21N 86.84W 36 5.2W,5.4W
SNET VI 17 13 47 39.9–3.2 11.45N 86.61W 59 5.3L,5.4W
NEIC VI 17 13 47 39.4–2.6 11.30N–.05 86.66W–.06 40–1 5.5,5.5b
NEIC VI 17 13 47 39.5 11.31N 86.64W 36 5.5,5.5b
NEIC VI 17 13 47 39.7 11.33N 86.63W 41 5.5,5.5b
MOS VI 17 13 47 40.6–1.4 11.52N 86.41W 67 5.6b,5.0s
GCMT VI 17 13 47 41.4–.10 11.09N–.01 86.99W–.01 36–0 5.5W,5.0s
IDC VI 17 13 47 42.5–1.2 11.69N 86.22W 73–11 5.1s,4.7
GCG VI 17 13 47 46.5–3.2 12.02N 86.93W 0–999 4.9,4.7
ISC Event type se.
UPA Error ellipse: s-maj=298.4km s-min=574.6km az=-1.0.
UCR Error ellipse: s-maj=6.8km s-min=8.3km az=-1.0.
INET Error ellipse: s-maj=4.6km s-min=2.8km az=-1.0.
NEIC Event type se. Moment Tensor Solution.Duration: 2^s9 Moment tensor: Scale 10^{17}Nm; M_{rr}1.84 $M_{\theta\theta}$-1.12 $M_{\phi\phi}$-0.71 $M_{r\theta}$0.75 $M_{\theta\phi}$1.23 $M_{\phi r}$-0.40 NP1:ϕ_s124.73000°,δ56.54000°,λ83.39000°. NP2:ϕ_s316.60000°,δ34.03000°,λ99.88000°. Principal axes: T 2.0203,Plg77.0000°,Azm13.0000°; N 0.3080,Plg6.0000°,Azm128.0000°; P -2.3283,Plg11.0000°,Azm219.0000° $M_0$2.17000$\times10^{17}$
SNET Error ellipse: s-maj=32.4km s-min=47.4km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=7.3km az=69.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.34 $M_{\theta\theta}$-0.24 $M_{\phi\phi}$-1.10 $M_{r\theta}$0.51 $M_{\theta\phi}$0.68 $M_{\phi r}$-0.44 NP1:ϕ_s142.13000°,δ57.72000°,λ79.63000°. NP2:ϕ_s341.04000°,δ33.73000°,λ105.91000°. Principal axes: T 1.5128,Plg75.0000°,Azm23.0000°; N 0.0992,Plg9.0000°,Azm148.0000°; P -1.6119,Plg12.0000°,Azm240.0000° $M_0$1.56000$\times10^{17}$
NEIC Event type se.
NEIC Event type se.
MOS Error ellipse: s-maj=11.4km s-min=6.5km az=105.5.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s131,c233; s137,c242;Duration: 1^s5 Moment tensor: Scale 10^{17}Nm; M_{rr}2.18±.04 $M_{\theta\theta}$-1.49±.03; $M_{\phi\phi}$-0.69±.03; $M_{r\theta}$1.00±.04; $M_{\theta\phi}$1.34±.02; $M_{\phi r}$-0.75±.04; Best double couple: NP1:ϕ_s127.00000°,δ59.00000°,λ90.00000°. NP2:ϕ_s306.00000°,δ31.00000°,λ90.00000°. Principal axes: T 2.4950,Plg76.0000°,Azm37.0000°; N 0.3080,Plg0.0000°,Azm307.0000°; P -2.8040,Plg14.0000°,Azm217.0000° $M_0$2.64900$\times10^{17}$
IDC Error ellipse: s-maj=18.3km s-min=8.3km az=58.0.
GCG Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
ISC VI 18 07 07 09.8–1.5 11.67N–.07 86.57W–.08 56–22 42 1-2
UCR VI 18 07 07 10.5–1.6 11.66N 86.38W 14–5 3.6W ¶614650437
INET VI 18 07 07 10.5–.78 11.70N 86.53W 58–6 3.4W
ISC Event type ke.
UCR Error ellipse: s-maj=17.1km s-min=13.0km az=-1.0.
INET Error ellipse: s-maj=5.1km s-min=4.7km az=-1.0.
ISC VI 19 03 14 17.7–.83 11.70N–.04 87.29W–.04 47–8 4.5b,3.7s 502 1-149
IDC VI 19 03 14 12.3–.51 11.86N 87.10W 0 4.2,4.1b ¶610681625
UCR VI 19 03 14 16.4–1.8 11.70N 87.27W 11–23 4.7W,4.6b
SNET VI 19 03 14 16.8–11 11.93N 87.19W 84 4.7L,4.6b
NEIC VI 19 03 14 17.0–2.2 11.67N–.04 87.30W–.02 35–2 4.6b,4.6b
INET VI 19 03 14 17.0–.64 11.64N 87.33W 15–4 4.9W,4.6b
UPA VI 19 03 14 19.5–1.3 11.83N 87.03W 10–199 5.0W,4.6b
GCG VI 19 03 14 24.7–.43 12.43N 87.55W 187–81 4.3,4.6b
ISC Event type se.
IDC Error ellipse: s-maj=22.1km s-min=10.4km az=54.0.
UCR Error ellipse: s-maj=5.9km s-min=22.7km az=-1.0.
SNET Error ellipse: s-maj=101.4km s-min=104.7km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=8.0km s-min=3.0km az=150.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
INET Error ellipse: s-maj=3.0km s-min=1.9km az=-1.0.
UPA Error ellipse: s-maj=83.5km s-min=169.5km az=-1.0.
GCG Error ellipse: s-maj=54.7km s-min=16.0km az=-1.0.
ISC VI 22 06 26 55.0–1.8 12.42N–.08 87.90W–.05 13–12 24 1-2
INET VI 22 06 26 57.6–1.5 12.46N 87.85W 10–9 2.9W ¶612454935
SNET VI 22 06 27 00.5–.90 12.59N 87.90W 55–20 2.4L
ISC Event type ke.
INET Error ellipse: s-maj=11.7km s-min=6.6km az=-1.0.
SNET Error ellipse: s-maj=10.3km s-min=4.9km az=-1.0.
ISC VI 22 09 22 21.1–.88 11.26N–.05 87.06W–.06 10 3.4b 47 1-139
INET VI 22 09 22 24.5–1.0 11.35N 86.94W 7–9 3.5W ¶610789263
UCR VI 22 09 22 27.4–1.3 11.57N 86.70W 12–12 4.1W
IDC VI 22 09 22 29.8–3.3 11.63N 86.69W 71–33 3.6,3.5L
ISC Event type ke.
INET Error ellipse: s-maj=8.1km s-min=8.1km az=-1.0.
UCR Error ellipse: s-maj=6.6km s-min=10.1km az=-1.0.
IDC Error ellipse: s-maj=66.9km s-min=20.2km az=54.0.
ISC VI 23 18 53 34.2–3.2 11.6N–.20 87.74W–.10 37 15 1-2
INET VI 23 18 53 34.9–.42 11.70N 87.69W 15 3.2L ¶612454950
SNET VI 23 18 53 34.5–1.6 11.76N 87.88W 12–205 3.8L
ISC Event type ke.
INET Error ellipse: s-maj=7.6km s-min=1.6km az=-1.0.
SNET Error ellipse: s-maj=172.4km s-min=32.0km az=-1.0.
ISC VI 30 13 19 42.8–2.2 12.0N–.10 87.18W–.08 35 12 1-3
SNET VI 30 13 19 44.5–1.0 12.23N 87.25W 17–10 3.5L ¶612524613
ISC Event type ke.
SNET Error ellipse: s-maj=8.4km s-min=15.8km az=-1.0.

(75) Nicaragua.

SNET I 04 11 05 15.3–.54 13.79N 86.86W 17–4 2.0L
INET I 04 11 05 16.8–.99 13.85N 86.86W 26–5 2.5W ¶612453742
SNET Error ellipse: s-maj=6.9km s-min=5.1km az=-1.0.
INET Error ellipse: s-maj=7.5km s-min=3.7km az=-1.0.
ISC I 28 19 39 47.0–2.0 12.2N–.10 86.90W–.06 105–11 31 0-3
INET I 28 19 39 47.5–.54 12.22N 86.90W 101–2 3.7W ¶612453883
SNET I 28 19 39 48.1–1.0 12.37N 87.02W 117–11 3.5L
ISC Event type ke.
INET Error ellipse: s-maj=2.3km s-min=2.7km az=-1.0.
SNET Error ellipse: s-maj=9.7km s-min=5.0km az=-1.0.
ISC II 21 22 02 06.1–2.1 12.3N–.10 86.88W–.08 132–13 31 0-3
INET II 21 22 02 05.5–.39 12.32N 86.92W 137–4 3.6W ¶612454003
SNET II 21 22 02 07.1–1.6 12.33N 87.00W 131–26 3.8L
ISC Event type ke.
INET Error ellipse: s-maj=3.3km s-min=4.8km az=-1.0.
SNET Error ellipse: s-maj=33.0km s-min=11.2km az=-1.0.
ISC III 05 08 05 31.1–1.6 11.76N–.04 84.04W–.05 14–12 92 0-3
INET III 05 08 05 33.8–.79 11.78N 84.01W 15–4 3.7W ¶614641798
UCR III 05 08 05 33.8–1.8 11.65N 84.11W 10–9 3.9W
ISC Event type ke.
INET Error ellipse: s-maj=4.3km s-min=2.8km az=-1.0.
UCR Error ellipse: s-maj=4.5km s-min=3.1km az=-1.0.
ISC III 14 12 00 09.5–.92 13.09N–.06 86.70W–.04 10 12 1-1
INET III 14 12 00 09.4–1.1 13.08N 86.72W 3–10 2.6W ¶612454117
SNET III 14 12 00 10.9–.55 13.09N 86.71W 13–23 2.7L
ISC Event type ke.
INET Error ellipse: s-maj=5.7km s-min=4.9km az=-1.0.
SNET Error ellipse: s-maj=9.5km s-min=9.6km az=-1.0.
ISC III 22 20 39 52.7–1.7 12.38N–.06 84.35W–.06 1–12 74 0-3
UCR III 22 20 39 53.5–1.5 12.38N 84.34W 5 3.9W ¶614641839
INET III 22 20 39 54.0–3.0 12.33N 84.32W 2–11 3.1W
ISC Event type ke.
UCR Error ellipse: s-maj=5.0km s-min=4.9km az=-1.0.
INET Error ellipse: s-maj=9.1km s-min=14.6km az=-1.0.
ISC III 24 22 58 16.4–1.7 12.62N–.04 84.10W–.04 4–12 68 0-4
UCR III 24 22 58 17.6–1.6 12.63N 84.19W 5 4.3W ¶614641846
INET III 24 22 58 18.5–2.0 12.55N 84.10W 6–7 4.0W
ISC Event type ke.
UCR Error ellipse: s-maj=9.2km s-min=8.2km az=-1.0.
INET Error ellipse: s-maj=4.8km s-min=7.3km az=-1.0.
ISC III 30 11 53 50.0–1.3 11.04N–.03 83.66W–.04 4–10 121 0-2
INET III 30 11 53 52.3–2.1 11.03N 83.59W 15–18 3.0W ¶614641862
UCR III 30 11 53 53.6–1.7 10.97N 83.76W 11–7 3.7W
ISC Event type ke.
INET Error ellipse: s-maj=4.7km s-min=12.1km az=-1.0.
UCR Error ellipse: s-maj=2.9km s-min=2.8km az=-1.0.
ISC III 30 12 11 45.0–1.1 11.03N–.02 83.71W–.03 14–9 197 1-3
INET III 30 12 11 44.4–4.3 10.95N 83.62W 0–4 3.6W ¶612701848
UPA III 30 12 11 46.2–.50 11.09N 83.71W 30–5 4.0W
UCR III 30 12 11 47.0–2.5 10.98N 83.76W 13–7 4.4W
ISC Event type ke.
INET Error ellipse: s-maj=7.3km s-min=16.4km az=-1.0. Moment Tensor Solution. NP1: ϕ_s252.53000°,δ28.90000°,λ29.03000°.
UPA Error ellipse: s-maj=2.8km s-min=2.2km az=-1.0.
UCR Error ellipse: s-maj=3.4km s-min=3.1km az=-1.0.
ISC IV 02 01 51 58.9–1.3 11.05N–.03 83.69W–.04 11–9 86 1-2
UCR IV 02 01 52 00.7–.97 11.01N 83.77W 6–9 3.6W ¶614642041
INET IV 02 01 52 01.7–.29 11.12N 83.59W 15–2 2.9W
ISC Event type ke.
UCR Error ellipse: s-maj=4.8km s-min=3.8km az=-1.0.
INET Error ellipse: s-maj=1.8km s-min=2.1km az=-1.0.
ISC IV 28 07 53 02.3–.55 11.61N–.04 85.99W–.04 181–5 4.5b 220 0-141
IDC IV 28 07 53 02.2–.62 11.64N 85.84W 181–7 4.0,3.5b ¶610575534
INET IV 28 07 53 02.3–.55 11.53N 86.01W 184–4 4.1W,3.5b
NEIC IV 28 07 53 03.4–1.2 11.62N–.04 85.96W–.05 177–7 4.6b,3.5b
UCR IV 28 07 53 03.5–1.2 11.58N 85.96W 176–3 4.6b,4.2W
SNET IV 28 07 53 05.8–1.3 11.37N 86.41W 143–59 4.1L,4.2W
UPA IV 28 07 53 10.2–2.0 9.44N 86.41W 0–661 4.3W,4.2W
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s326.55887°,δ39.17526°,λ83.32060°. NP2: ϕ_s155.14932°,δ51.14093°,λ95.41429°. Principal axes: T Plg82.6599°,Azm96.6315°; N Plg4.2136°,Azm331.7462°; P Plg5.9994°,Azm241.3026°
IDC Error ellipse: s-maj=22.1km s-min=10.8km az=53.0.
INET Error ellipse: s-maj=4.2km s-min=3.1km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=8.0km s-min=4.5km az=122.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
UCR Error ellipse: s-maj=5.5km s-min=5.7km az=-1.0.
SNET Error ellipse: s-maj=41.8km s-min=18.4km az=-1.0.
UPA Error ellipse: s-maj=140.9km s-min=997.7km az=-1.0.
ISC V 18 12 42 34.3–1.3 12.10N–.06 86.81W–.05 106–9 101 0-5
INET V 18 12 42 34.1–.37 12.09N 86.80W 106–2 3.1W ¶612454607
UCR V 18 12 42 34.8–1.3 12.10N 86.71W 106–15 3.6W
SNET V 18 12 42 35.3–.77 12.04N 86.96W 87–16 4.0L
ISC Event type ke.
INET Error ellipse: s-maj=2.7km s-min=2.0km az=-1.0.
UCR Error ellipse: s-maj=10.1km s-min=8.4km az=-1.0.
SNET Error ellipse: s-maj=7.8km s-min=4.3km az=-1.0.
ISC VI 09 10 48 44.0–.61 11.46N–.04 85.87W–.05 155–5 4.3b 230 0-165
UPA VI 09 10 48 43.9–1.8 11.58N 85.91W 144–38 3.7W ¶610791533
IDC VI 09 10 48 43.4–.77 11.63N 85.61W 150–13 4.0,3.6s
NEIC VI 09 10 48 44.8–1.5 11.44N–.06 85.85W–.06 151–5 4.3b,3.6s
UCR VI 09 10 48 44.8–1.2 11.44N 85.80W 151–2 4.3b,4.2W
INET VI 09 10 48 44.0–.83 11.48N 85.82W 158–5 3.6W,3.5L
ISC Event type se.
UPA Error ellipse: s-maj=41.2km s-min=38.1km az=-1.0.
IDC Error ellipse: s-maj=40.1km s-min=14.5km az=49.0.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=6.9km az=223.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
UCR Error ellipse: s-maj=4.5km s-min=5.1km az=-1.0.
INET Error ellipse: s-maj=5.3km s-min=4.6km az=-1.0.
ISC VI 18 02 45 12.5–.75 12.13N–.04 86.89W–.04 72–6 4.1b 145 0-149
IDC VI 18 02 45 12.6–1.7 12.42N 86.51W 69–17 3.9,3.6b ¶610792089
INET VI 18 02 45 13.6–.47 12.06N 86.94W 61–3 4.1W,3.6b
NEIC VI 18 02 45 14.1–2.1 12.13N–.06 86.81W–.07 74–5 4.1b,3.6b
UCR VI 18 02 45 15.0–1.6 12.04N 86.77W 31–365 4.6W,4.1b
SNET VI 18 02 45 15.7–1.0 12.26N 87.14W 12–13 4.2L,4.1b
ISC Event type se.
IDC Error ellipse: s-maj=38.9km s-min=13.7km az=52.0.
INET Error ellipse: s-maj=2.4km s-min=2.2km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=7.0km az=49.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
UCR Error ellipse: s-maj=146.7km s-min=176.5km az=-1.0.
SNET Error ellipse: s-maj=7.1km s-min=14.4km az=-1.0.
ISC VI 24 11 06 38.1–2.0 11.38N–.07 85.91W–.09 159–12 61 0-4
UCR VI 24 11 06 37.4–.94 11.40N 85.86W 164–2 3.5W ¶614650963
INET VI 24 11 06 40.5–1.0 11.32N 85.88W 130 2.6W
ISC Event type ke.
UCR Error ellipse: s-maj=7.5km s-min=6.3km az=-1.0.
INET Error ellipse: s-maj=4.2km s-min=5.9km az=-1.0.

(76) Off coast of central America.

SNET I 04 08 56 36.1–10 12.34N 89.63W 10 3.0L
INET I 04 08 56 36.6–2.4 15.02N 88.83W 5 3.3W ¶612522484
SNET Error ellipse: s-maj=35.7km s-min=32.4km az=-1.0.
INET Error ellipse: s-maj=14.6km s-min=14.6km az=-1.0.
ISC I 04 09 46 19.4–2.9 12.9N–.10 90.46W–.06 33–15 23 1-2
SNET I 04 09 46 26.8–.78 13.20N 90.29W 28–4 2.9L ¶612522485
GCG I 04 09 46 27.2–.42 13.30N 90.58W 5–7 3.1
ISC Event type ke.
SNET Error ellipse: s-maj=4.9km s-min=4.4km az=-1.0.
GCG Error ellipse: s-maj=7.2km s-min=5.4km az=-1.0.
ISC I 05 13 01 12.4–3.1 11.8N–.20 89.1W–.10 41 24 2-3
INET I 05 13 01 06.6–.83 11.65N 89.44W 10 3.2W ¶612453747
SNET I 05 13 01 13.1–1.2 11.89N 89.06W 35–999 3.7L
ISC Event type ke.
INET Error ellipse: s-maj=14.5km s-min=22.0km az=-1.0.
SNET Error ellipse: s-maj=20.8km s-min=8.6km az=-1.0.
ISC I 07 11 50 32.5–1.9 12.5N–.10 88.23W–.07 50 17 1-2
INET I 07 11 50 28.5–.72 12.41N 88.27W 1–2 3.2W ¶612453763
SNET I 07 11 50 32.2–.65 12.53N 88.22W 30–4 3.2L
ISC Event type ke.

INET Error ellipse: s-maj=8.6km s-min=7.2km az=-1.0.
SNET Error ellipse: s-maj=5.5km s-min=5.8km az=-1.0.
ISC I 08 06 29 08.2–.49 12.99N–.05 90.01W–.04 29 4.2b,3.4s 119 1-148
SNET I 08 06 29 05.9–1.6 12.76N 90.12W 10 4.1L,3.4s **¶610236950**
NEIC I 08 06 29 10.2–2.0 12.99N–.07 89.98W–.07 35–2 4.3b,3.4s
IDC I 08 06 29 11.6–3.6 13.25N 89.69W 52–36 4.0,3.7b
GCG I 08 06 29 29.6–.34 14.62N 90.67W 33–4 4.1,3.7b
ISC Event type se.
SNET Error ellipse: s-maj=9.8km s-min=7.7km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=14.9km s-min=7.9km az=222.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=34.7km s-min=17.4km az=51.0.
GCG Error ellipse: s-maj=8.2km s-min=3.5km az=-1.0.
ISC I 13 02 30 37.7–1.9 11.77N–.09 88.61W–.09 33 17 2-3
INET I 13 02 30 35.5–.29 11.59N 88.77W 15–4 3.6W **¶612453792**
SNET I 13 02 30 39.5–1.6 11.93N 88.62W 27–121 3.4L
ISC Event type ke.
INET Error ellipse: s-maj=3.9km s-min=3.4km az=-1.0.
SNET Error ellipse: s-maj=70.4km s-min=14.8km az=-1.0.
ISC I 14 04 30 53.6–2.0 12.00N–.06 89.00W–.07 4–11 3.6b 43 1-149
IDC I 14 04 30 54.4–1.3 12.31N 88.64W 0 3.7,3.7b **¶610237333**
SNET I 14 04 30 57.7–1.5 12.12N 89.07W 10 4.2L,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=57.7km s-min=19.1km az=45.0.
SNET Error ellipse: s-maj=5.6km s-min=5.7km az=-1.0.
ISC I 16 09 47 36.6–1.8 12.86N–.07 88.99W–.05 11–14 39 1-3
SNET I 16 09 47 38.7–1.2 12.92N 88.98W 56 3.5L **¶612453816**
INET I 16 09 47 40.0–1.0 12.96N 88.96W 27 3.4W
ISC Event type ke.
SNET Error ellipse: s-maj=5.0km s-min=2.5km az=-1.0.
INET Error ellipse: s-maj=8.0km s-min=2.2km az=-1.0.
ISC I 16 12 10 06.7–2.1 12.7N–.10 88.80W–.07 40 19 1-2
SNET I 16 12 10 03.6–1.4 12.55N 88.82W 20 3.5L **¶612453817**
INET I 16 12 10 06.3–.14 12.66N 88.77W 20–2 3.0W
ISC Event type ke.
SNET Error ellipse: s-maj=11.7km s-min=3.9km az=-1.0.
INET Error ellipse: s-maj=1.4km s-min=1.2km az=-1.0.
ISC I 16 12 29 19.6–1.1 12.75N–.06 88.70W–.04 55–9 4.5b,3.2s 291 1-148
SNET I 16 12 29 15.1–2.3 12.55N 88.78W 15 4.8L,3.2s **¶610237516**
INET I 16 12 29 17.5–.86 12.63N 88.72W 15–10 4.3W,3.2s
GCG I 16 12 29 21.0–.45 14.06N 88.63W 185–67 4.2,3.2s
IDC I 16 12 29 21.2–2.3 12.87N 88.52W 67–21 4.3,4.0b
NEIC I 16 12 29 22.2–1.8 12.87N–.08 88.59W–.09 60–6 4.5b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 17 01 12 46.8–1.7 13.0N–.10 89.02W–.06 46–32 35 1-3
SNET I 17 01 12 47.0–.94 13.09N 89.00W 55–12 3.6L **¶612453821**
INET I 17 01 12 48.1–.71 12.97N 88.86W 15–6 2.9W
ISC Event type ke.
SNET Error ellipse: s-maj=6.9km s-min=2.6km az=-1.0.
INET Error ellipse: s-maj=9.0km s-min=4.7km az=-1.0.
ISC I 17 18 31 13.8–1.5 12.10N–.05 88.11W–.04 13–9 4.2b,3.5s 93 1-149
INET I 17 18 31 16.5–1.1 12.05N 88.11W 15–13 3.9W,3.5s **¶612523141**
SNET I 17 18 31 18.0 12.16N 88.20W 20 4.2L,3.5s
IDC I 17 18 31 19.5–1.9 12.38N 87.73W 54–18 4.1,3.9b
UCR I 17 18 31 20.5–1.7 12.03N 87.89W 35–999 4.0W,3.9b
ISC Event type ke.
INET Error ellipse: s-maj=4.0km s-min=6.7km az=-1.0.
IDC Error ellipse: s-maj=33.6km s-min=10.8km az=45.0.
UCR Error ellipse: s-maj=36.0km s-min=31.1km az=-1.0.
ISC I 18 10 15 01.8–1.8 12.80N–.07 88.95W–.05 26–14 48 1-3
INET I 18 10 15 02.9–.81 12.83N 88.91W 22–10 3.6L **¶612453828**
SNET I 18 10 15 02.8–1.0 12.84N 88.93W 34 3.9L
ISC Event type ke.
INET Error ellipse: s-maj=5.4km s-min=4.5km az=-1.0.
SNET Error ellipse: s-maj=3.9km s-min=2.2km az=-1.0.
ISC I 19 18 54 17.9–1.6 12.45N–.07 89.39W–.06 49–14 3.8b 55 1-148
SNET I 19 18 54 11.8–1.1 12.30N 89.49W 8–6 3.7L **¶610237739**
INET I 19 18 54 19.2–.54 12.56N 89.19W 15 3.6W
IDC I 19 18 54 20.5–1.8 13.01N 88.83W 46–18 3.8,3.5b
ISC Event type ke.
SNET Error ellipse: s-maj=6.1km s-min=3.9km az=-1.0.
INET Error ellipse: s-maj=6.1km s-min=2.1km az=-1.0.
IDC Error ellipse: s-maj=28.0km s-min=12.5km az=39.0.
ISC I 21 00 19 43.0–2.0 13.00N–.09 89.44W–.07 43 46 1-3
INET I 21 00 19 41.1–.56 12.91N 89.54W 22–8 3.1W **¶612453846**
SNET I 21 00 19 43.0–1.2 13.07N 89.44W 53 3.7L
ISC Event type ke.
INET Error ellipse: s-maj=4.3km s-min=4.9km az=-1.0.
SNET Error ellipse: s-maj=3.7km s-min=2.8km az=-1.0.
ISC I 21 19 00 37.5–2.5 12.2N–.10 88.05W–.06 15–14 29 1-2
INET I 21 19 00 39.4–.80 12.17N 88.03W 18–11 3.8W **¶612453854**
SNET I 21 19 00 40.7–1.1 12.31N 88.07W 23–5 3.3L
ISC Event type ke.
INET Error ellipse: s-maj=5.8km s-min=5.6km az=-1.0.
SNET Error ellipse: s-maj=5.9km s-min=5.5km az=-1.0.
ISC I 22 16 16 55.5–3.8 11.7N–.10 88.98W–.09 31–26 20 2-2
INET I 22 16 16 52.7–1.8 11.31N 88.99W 15–9 3.0W **¶612453862**
SNET I 22 16 16 57.2–.72 11.83N 88.95W 58–154 3.1L
ISC Event type ke.
INET Error ellipse: s-maj=31.9km s-min=14.4km az=-1.0.
SNET Error ellipse: s-maj=25.9km s-min=7.8km az=-1.0.
ISC I 26 17 06 53.4–2.2 12.89N–.09 89.75W–.04 17–10 43 1-2
SNET I 26 17 06 58.9–1.1 13.09N 89.61W 32 4.2L **¶612523226**
GCG I 26 17 07 01.8–.30 13.16N 90.09W 84–35 3.8
ISC Event type ke.
SNET Error ellipse: s-maj=3.4km s-min=3.3km az=-1.0.
GCG Error ellipse: s-maj=14.3km s-min=6.8km az=-1.0.
ISC II 01 04 32 32.8–1.9 12.70N–.07 88.30W–.04 34–3 41 1-2
INET II 01 04 32 32.6–.96 12.66N 88.30W 24–11 3.9W **¶612453899**
SNET II 01 04 32 33.3–1.7 12.76N 88.27W 42 4.0L,3.9L
ISC Event type ke.
INET Error ellipse: s-maj=4.3km s-min=4.3km az=-1.0.
SNET Error ellipse: s-maj=7.2km s-min=3.6km az=-1.0.
ISC II 01 09 47 11.1–3.1 12.58N–.09 88.63W–.05 33–6 32 1-3
INET II 01 09 47 12.0–.34 12.54N 88.61W 30–9 3.2W **¶612453900**
SNET II 01 09 47 12.3–1.1 12.68N 88.61W 31–4 3.4L
ISC Event type ke.
INET Error ellipse: s-maj=3.3km s-min=2.6km az=-1.0.
SNET Error ellipse: s-maj=4.1km s-min=2.4km az=-1.0.
ISC II 02 14 58 31.5–1.9 12.94N–.08 89.31W–.05 28–12 66 1-4
INET II 02 14 58 31.5–.62 12.91N 89.37W 24–11 3.3W **¶612453908**
SNET II 02 14 58 33.1–.91 13.04N 89.27W 32 3.9L
ISC Event type ke.
INET Error ellipse: s-maj=6.0km s-min=7.6km az=-1.0.
SNET Error ellipse: s-maj=1.9km s-min=1.5km az=-1.0.
ISC II 03 11 35 53.9–1.1 11.88N–.08 89.04W–.06 10 3.7b 46 2-66
IDC II 03 11 35 52.1–2.7 11.77N 89.07W 0 3.6,3.6b **¶610414734**
INET II 03 11 35 55.5–1.3 11.90N 89.09W 15–9 3.9W,3.6b
SNET II 03 11 35 56.7–1.0 12.02N 89.04W 19–7 3.6L,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=76.2km s-min=23.5km az=30.0.
INET Error ellipse: s-maj=6.4km s-min=5.7km az=-1.0.
SNET Error ellipse: s-maj=7.7km s-min=3.7km az=-1.0.
ISC II 04 12 59 09.1–.86 11.93N–.07 89.05W–.06 41 3.6b 49 1-149
IDC II 04 12 59 06.3–1.8 12.47N 88.62W 0 3.6,3.6b **¶610414820**
INET II 04 12 59 06.4–.71 11.94N 88.97W 2–3 4.1W,3.6b
SNET II 04 12 59 07.0–1.0 11.88N 89.06W 31–54 4.0L,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=91.3km s-min=18.6km az=38.0.
INET Error ellipse: s-maj=3.7km s-min=4.2km az=-1.0.
SNET Error ellipse: s-maj=31.0km s-min=8.0km az=-1.0.
ISC II 05 11 30 53.7–1.8 12.91N–.07 90.22W–.05 27–12 4.2b 49 1-148
SNET II 05 11 30 53.7–1.2 12.94N 90.25W 23 4.0L **¶610414879**
IDC II 05 11 30 58.5–2.9 13.54N 89.73W 41–29 3.9,3.7b
GCG II 05 11 31 13.6–.34 14.34N 90.67W 33–2 3.9,3.7b
ISC Event type ke.
SNET Error ellipse: s-maj=3.2km s-min=5.7km az=-1.0.
IDC Error ellipse: s-maj=50.8km s-min=20.9km az=34.0.
GCG Error ellipse: s-maj=9.3km s-min=3.3km az=-1.0.
ISC II 06 06 21 21.4–2.1 12.96N–.09 89.60W–.05 25–15 37 1-3
SNET II 06 06 21 18.7–2.9 12.83N 89.67W 22 3.5L **¶612453934**
INET II 06 06 21 20.8–.64 12.90N 89.67W 18 3.1W
GCG II 06 06 21 30.6–2.3 13.59N 89.68W 34–44 3.9
ISC Event type ke.
SNET Error ellipse: s-maj=8.7km s-min=8.9km az=-1.0.
INET Error ellipse: s-maj=8.2km s-min=13.2km az=-1.0.
GCG Error ellipse: s-maj=72.5km s-min=63.4km az=-1.0.
ISC II 08 02 49 06.9–2.1 12.1N–.10 88.03W–.06 21–7 24 1-3
INET II 08 02 49 04.7–.58 11.91N 88.12W 15–3 3.2W **¶612453939**
SNET II 08 02 49 08.8–1.0 12.18N 88.03W 25–37 3.0L
ISC Event type ke.
INET Error ellipse: s-maj=5.4km s-min=2.9km az=-1.0.
SNET Error ellipse: s-maj=23.1km s-min=6.3km az=-1.0.
ISC II 11 18 59 20.4–1.8 12.96N–.08 89.40W–.04 23–15 39 1-3
SNET II 11 18 59 20.4–1.2 12.90N 89.43W 37 3.9L **¶612453962**
INET II 11 18 59 21.5–.27 12.90N 89.32W 15 4.1W
GCG II 11 18 59 22.0–.42 12.80N 89.65W 31–326 3.9
ISC Event type ke.
SNET Error ellipse: s-maj=7.2km s-min=4.0km az=-1.0.
INET Error ellipse: s-maj=6.1km s-min=15.6km az=-1.0.
GCG Error ellipse: s-maj=177.1km s-min=114.9km az=-1.0.
ISC II 12 18 18 32.7–1.4 12.88N–.06 90.20W–.06 48–13 4.2b,3.5s 103 1-148
GCG II 12 18 18 29.9–.56 12.91N 90.52W 0–7 3.8,3.5s **¶610208579**
SNET II 12 18 18 30.3–1.3 12.87N 90.35W 19 4.1L,3.5s
INET II 12 18 18 30.8–.34 12.82N 90.31W 15–2 3.9W,3.5s
NEIC II 12 18 18 35.0–2.0 13.14N–.07 89.99W–.07 53–13 4.3b,3.5s
IDC II 12 18 18 34.8–2.4 13.34N 89.82W 46–23 3.9,3.6b
UCR II 12 18 18 37.4–.94 12.44N 90.09W 31–999 4.3b,3.6b
ISC Event type se.
GCG Error ellipse: s-maj=18.1km s-min=6.7km az=-1.0.
SNET Error ellipse: s-maj=4.5km s-min=6.6km az=-1.0.
INET Error ellipse: s-maj=7.3km s-min=2.2km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=8.6km az=211.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=34.9km s-min=14.9km az=47.0.
UCR Error ellipse: s-maj=48.6km s-min=30.0km az=-1.0.
ISC II 12 18 37 26.2–2.9 12.9N–.10 90.33W–.06 19–5 20 1-2
GCG II 12 18 37 26.1–3.1 15.24N 89.24W 34–999 3.6 **¶612523332**
SNET II 12 18 37 29.8–3.2 13.07N 90.26W 27 3.5L
ISC Event type ke.
GCG Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
SNET Error ellipse: s-maj=11.3km s-min=18.4km az=-1.0.
ISC II 14 09 18 44.7–1.8 12.7N–.10 88.39W–.07 55–39 26 1-2
SNET II 14 09 18 45.2–1.1 12.76N 88.39W 63–13 2.9L **¶612453973**
INET II 14 09 18 45.2–1.1 12.68N 88.30W 15–15 3.1W
ISC Event type ke.
SNET Error ellipse: s-maj=8.9km s-min=3.2km az=-1.0.
INET Error ellipse: s-maj=8.2km s-min=9.1km az=-1.0.
ISC II 15 02 47 38.5–.43 12.23N–.04 88.30W–.04 43–4 4.8b,3.9s 511 1-149
SNET II 15 02 47 33.4–5.1 12.00N 88.37W 11 4.8L,4.8L **¶610209196**
NEIC II 15 02 47 38.2–1.7 12.15N–.07 88.28W–.07 42–8 4.8b,4.8L
INET II 15 02 47 38.4–1.9 12.21N 88.26W 15–13 4.5W,4.8L
GCG II 15 02 47 39.8–.44 12.02N 88.61W 50–999 4.2,4.8L
UCR II 15 02 47 39.4–1.7 12.23N 88.19W 33–162 4.8b,4.8L
IDC II 15 02 47 40.1–2.0 12.37N 88.07W 48–19 4.4,4.1b
ISC Event type se.
SNET Error ellipse: s-maj=21.9km s-min=22.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=12.5km s-min=7.6km az=221.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
INET Error ellipse: s-maj=5.6km s-min=6.2km az=-1.0.
GCG Error ellipse: s-maj=96.4km s-min=39.3km az=-1.0.
UCR Error ellipse: s-maj=30.6km s-min=96.8km az=-1.0.
IDC Error ellipse: s-maj=16.9km s-min=10.9km az=43.0.
ISC II 18 16 08 30.2–2.5 12.1N–.10 89.18W–.08 10 32 2-3
INET II 18 16 08 30.3–1.1 11.92N 89.29W 15–18 2.9W **¶612453995**
SNET II 18 16 08 33.4–.76 12.21N 89.14W 13–4 2.9L
ISC Event type ke.
INET Error ellipse: s-maj=14.3km s-min=12.7km az=-1.0.
SNET Error ellipse: s-maj=3.3km s-min=2.3km az=-1.0.
ISC II 19 14 21 04.3–2.1 12.97N–.09 89.86W–.04 26–14 38 1-2
SNET II 19 14 21 07.7–1.2 13.16N 89.82W 30–3 2.9L **¶612523376**
GCG II 19 14 21 10.0–.42 14.10N 89.81W 159–6 3.7
ISC Event type ke.
SNET Error ellipse: s-maj=3.9km s-min=3.8km az=-1.0.
GCG Error ellipse: s-maj=20.1km s-min=9.6km az=-1.0.
ISC II 23 13 09 52.2–2.5 12.53N–.08 88.07W–.05 25–21 32 1-2
INET II 23 13 09 52.6–.50 12.54N 88.06W 15–17 3.4W **¶612454010**
SNET II 23 13 09 53.7–1.2 12.61N 88.03W 34 3.9L
ISC Event type ke.
INET Error ellipse: s-maj=5.0km s-min=7.0km az=-1.0.
SNET Error ellipse: s-maj=4.9km s-min=4.5km az=-1.0.
ISC II 23 15 16 15.1–1.2 12.11N–.06 88.16W–.05 48–11 4.5b 120 1-149
SNET II 23 15 16 12.6–.82 12.03N 88.31W 15–3 3.6L **¶610240064**
NEIC II 23 15 16 12.2–2.1 12.19N–.04 88.13W–.06 10–1 4.6b
IDC II 23 15 16 16.0–2.5 12.30N 88.01W 41–24 4.1,4.0s
ISC Event type se.
SNET Error ellipse: s-maj=3.2km s-min=4.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=6.2km az=240.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=41.7km s-min=13.4km az=46.0.
ISC II 24 03 15 58.8–4.7 11.8N–.20 88.7W–.20 10 10 2-2
INET II 24 03 16 00.3–.59 11.82N 88.78W 15–5 3.5W **¶614641729**
ISC Event type ke.
INET Error ellipse: s-maj=3.7km s-min=3.7km az=-1.0.
ISC II 26 20 38 56.3–1.5 12.65N–.07 88.36W–.06 20–6 39 1-3
SNET II 26 20 38 58.7–.77 12.78N 88.35W 57–9 3.4L **¶612454035**
INET II 26 20 38 59.0–.81 12.75N 88.23W 15–5 3.1W
ISC Event type ke.
SNET Error ellipse: s-maj=6.1km s-min=2.9km az=-1.0.
INET Error ellipse: s-maj=3.4km s-min=4.1km az=-1.0.
ISC III 05 05 13 59.7–3.2 12.9N–.10 90.63W–.06 16–17 3.8b,3.6s 25 1-64
IDC III 05 05 13 55.0–4.4 12.78N 90.36W 0 3.7,3.6s **¶610545572**
SNET III 05 05 14 01.1–1.8 12.93N 90.64W 15–13 3.5L,3.6s
ISC Event type ke.
IDC Error ellipse: s-maj=89.6km s-min=44.2km az=15.0.
SNET Error ellipse: s-maj=12.5km s-min=12.9km az=-1.0.
ISC III 05 19 32 05.7–4.3 11.8N–.20 88.16W–.10 10 14 1-2
INET III 05 19 32 10.4–.53 12.00N 87.99W 0–1 3.1W **¶612454073**
SNET III 05 19 32 11.7–.92 11.99N 88.06W 18–7 3.1L
ISC Event type ke.
INET Error ellipse: s-maj=7.3km s-min=6.1km az=-1.0.
SNET Error ellipse: s-maj=5.6km s-min=8.3km az=-1.0.
ISC III 06 13 26 51.7–.56 11.85N–.06 89.08W–.05 10 4.5b,3.1s 113 2-149
IDC III 06 13 26 50.2–.85 12.01N 88.72W 0 3.9,3.9b **¶610545662**
SNET III 06 13 26 52.7–1.0 11.84N 89.06W 11–28 3.9L,3.9b
NEIC III 06 13 26 54.3–2.0 12.06N–.07 88.97W–.07 10–1 4.6b,3.9b

INET III 06 13 26 54.8–1.7 11.93N 89.07W 15–18 4.2L,3.9b
GCG III 06 13 26 58.2–.34 12.23N 89.71W 190–84 4.0,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=34.9km s-min=16.8km az=56.0.
SNET Error ellipse: s-maj=9.2km s-min=5.4km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=14.1km s-min=8.9km az=222.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
INET Error ellipse: s-maj=11.2km s-min=10.1km az=-1.0.
GCG Error ellipse: s-maj=55.4km s-min=9.4km az=-1.0.
ISC III 07 07 08 25.0–1.0 12.19N–.05 89.00W–.05 49–10 4.4b,3.4s 177 1-149
NEIC III 07 07 08 21.8–1.7 12.17N–.08 88.90W–.07 10–2 4.5b,3.4s **¶610545710**
INET III 07 07 08 23.4–.67 12.23N 88.93W 15 4.3L,3.4s
IDC III 07 07 08 25.0–2.0 12.26N 88.84W 48–17 4.1,3.7b
SNET III 07 07 08 26.5–3.4 12.35N 88.95W 33 4.6L,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.0km s-min=9.2km az=219.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
INET Error ellipse: s-maj=7.8km s-min=2.4km az=-1.0.
IDC Error ellipse: s-maj=36.7km s-min=13.1km az=38.0.
SNET Error ellipse: s-maj=13.4km s-min=9.0km az=-1.0.
ISC III 13 21 02 57.1–1.9 12.91N–.09 89.08W–.05 31–13 38 1-3
SNET III 13 21 02 57.3–.97 12.94N 89.06W 47 3.8L **¶612454110**
INET III 13 21 02 58.9–.83 12.95N 89.00W 29–12 3.1W
ISC Event type ke.
SNET Error ellipse: s-maj=3.6km s-min=2.0km az=-1.0.
INET Error ellipse: s-maj=12.1km s-min=5.5km az=-1.0.
ISC III 26 00 20 00.6–.79 12.64N–.05 88.21W–.04 60–7 4.3b 235 1-140
SNET III 26 00 19 57.6–2.1 12.49N 88.26W 23 4.4L **¶610435138**
INET III 26 00 19 59.6–.84 12.56N 88.23W 21–10 4.5L
IDC III 26 00 20 01.4–1.6 12.87N 87.92W 63–14 3.9,3.6b
NEIC III 26 00 20 01.5–1.4 12.66N–.06 88.18W–.06 61–6 4.3b,3.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 26 08 31 42.5–2.0 12.55N–.09 88.28W–.06 27–15 21 1-2
INET III 26 08 31 42.8–.53 12.53N 88.29W 22–13 2.6W **¶612454188**
SNET III 26 08 31 44.8–.83 12.68N 88.28W 36–874 2.4L
ISC Event type ke.
INET Error ellipse: s-maj=3.5km s-min=6.6km az=-1.0.
SNET Error ellipse: s-maj=6.2km s-min=2.9km az=-1.0.
ISC III 26 09 35 26.6–1.5 13.0N–.10 88.37W–.05 71–13 37 0-2
INET III 26 09 35 25.3–.63 13.07N 88.41W 20–5 2.8W **¶612454189**
SNET III 26 09 35 25.2–1.5 12.94N 88.37W 75–10 3.0L
ISC Event type ke.
INET Error ellipse: s-maj=8.4km s-min=4.4km az=-1.0.
SNET Error ellipse: s-maj=14.9km s-min=4.6km az=-1.0.
ISC III 27 05 29 10.9–.81 2.85N–.08 84.5W–.10 35 3.6b,3.5s 47 6-86
IDC III 27 05 29 05.4–1.0 2.70N 84.62W 0 3.7,3.6s **¶610543777**
ISC Event type ke.
IDC Error ellipse: s-maj=35.7km s-min=17.0km az=56.0.
ISC III 27 19 59 59.6–2.1 12.5N–.10 88.33W–.06 29–17 35 1-3
SNET III 27 19 59 59.8–1.7 12.54N 88.38W 17–13 3.7L **¶612454205**
INET III 27 20 00 01.5–1.1 12.58N 88.27W 23–6 3.5W
ISC Event type ke.
SNET Error ellipse: s-maj=9.4km s-min=6.4km az=-1.0.
INET Error ellipse: s-maj=5.8km s-min=3.2km az=-1.0.
ISC III 28 07 21 12.4–1.8 13.0N–.10 88.96W–.05 45–25 58 1-3
INET III 28 07 21 11.4–.62 12.94N 88.93W 15–11 3.2W **¶612454210**
SNET III 28 07 21 12.3–.87 12.99N 88.92W 49 3.8L
ISC Event type ke.
INET Error ellipse: s-maj=4.8km s-min=4.5km az=-1.0.
SNET Error ellipse: s-maj=3.0km s-min=1.6km az=-1.0.
ISC III 28 17 28 05.9–1.9 12.5N–.10 88.08W–.07 50 18 1-2
SNET III 28 17 28 06.1–2.1 12.57N 88.03W 32 3.7L **¶612454211**
INET III 28 17 28 06.7–.72 12.59N 88.00W 64–9 3.1W
ISC Event type ke.
SNET Error ellipse: s-maj=12.4km s-min=9.2km az=-1.0.
INET Error ellipse: s-maj=5.0km s-min=5.3km az=-1.0.
ISC III 31 22 05 58.7–2.1 12.7N–.10 88.27W–.09 35 15 1-3
SNET III 31 22 05 56.5–.54 12.63N 88.28W 25–8 3.0L **¶612454233**
INET III 31 22 05 57.4–1.3 12.74N 88.27W 12–6 3.3L
ISC Event type ke.
SNET Error ellipse: s-maj=4.4km s-min=3.8km az=-1.0.
INET Error ellipse: s-maj=10.9km s-min=5.6km az=-1.0.
ISC IV 02 11 51 12.8–2.9 12.9N–.20 90.27W–.08 35 19 1-2
SNET IV 02 11 51 09.8–1.1 12.88N 90.39W 22–6 3.4L **¶612523706**
GCG IV 02 11 51 29.4–.30 14.24N 90.69W 50 3.4
ISC Event type ke.
SNET Error ellipse: s-maj=5.5km s-min=9.9km az=-1.0.
GCG Error ellipse: s-maj=51.6km s-min=5.5km az=-1.0.
ISC IV 02 16 24 43.6–1.3 12.63N–.06 89.43W–.05 49–12 4.4b,3.7s 151 1-148
SNET IV 02 16 24 38.7–1.7 12.45N 89.51W 7 4.2L,3.7s **¶610470161**
IDC IV 02 16 24 39.3–1.2 13.16N 88.89W 0 3.9,3.9b
INET IV 02 16 24 40.2–1.3 12.53N 89.62W 15–25 4.0W,3.9b
NEIC IV 02 16 24 42.4–1.0 12.66N–.10 89.25W–.07 32–7 4.5b,3.9b
GCG IV 02 16 24 46.9–.71 13.06N 89.45W 116–136 4.1,3.9b
ISC Event type se.
SNET Error ellipse: s-maj=8.7km s-min=6.8km az=-1.0.
IDC Error ellipse: s-maj=39.2km s-min=19.9km az=42.0.
INET Error ellipse: s-maj=12.2km s-min=16.4km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=16.8km s-min=5.7km az=212.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCG Error ellipse: s-maj=103.9km s-min=17.8km az=-1.0.
ISC IV 07 09 37 25.2–1.4 12.73N–.06 88.97W–.04 32–11 72 1-138
IDC IV 07 09 37 23.9–1.9 13.76N 88.03W 0 3.5,3.5L **¶610652140**
SNET IV 07 09 37 26.1–.99 12.79N 88.94W 20 3.9L,3.5L
INET IV 07 09 37 27.6–.78 12.81N 88.90W 30–14 3.9W,3.5L
GCG IV 07 09 37 56.6–.41 14.76N 90.55W 0–51 3.9,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=80.9km s-min=28.2km az=47.0.
SNET Error ellipse: s-maj=3.1km s-min=1.9km az=-1.0.
INET Error ellipse: s-maj=6.8km s-min=5.5km az=-1.0.
GCG Error ellipse: s-maj=4.3km s-min=6.9km az=-1.0.
ISC IV 08 20 11 22.8–2.5 12.4N–.10 90.32W–.07 30 27 2-3
GCG IV 08 20 11 25.0–.65 12.65N 90.59W 0–41 3.5 **¶612523750**
SNET IV 08 20 11 26.2–2.2 12.56N 90.15W 21 3.7L
ISC Event type ke.
GCG Error ellipse: s-maj=85.1km s-min=15.5km az=-1.0.
SNET Error ellipse: s-maj=10.1km s-min=10.2km az=-1.0.
ISC IV 10 08 52 16.2–2.9 12.34N–.07 88.91W–.06 17–16 3.6b 35 1-148
IDC IV 10 08 52 16.9–2.1 13.06N 88.43W 0 3.5s,3.5 **¶610652361**
SNET IV 10 08 52 18.1–.78 12.41N 88.93W 15–2 3.5L,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=67.9km s-min=27.5km az=40.0.
SNET Error ellipse: s-maj=2.7km s-min=2.1km az=-1.0.
ISC IV 10 08 54 02.6–2.9 12.1N–.10 88.3W–.10 29–16 3.4b 25 1-54
IDC IV 10 08 53 56.7–22 11.91N 87.99W 0 3.5,3.5b **¶610652362**
SNET IV 10 08 54 03.7–1.2 12.17N 88.45W 18–4 3.3L,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=449.1km s-min=51.5km az=6.0.
SNET Error ellipse: s-maj=6.0km s-min=4.5km az=-1.0.
ISC IV 14 14 20 07.7–1.6 12.69N–.08 88.13W–.05 28–14 21 1-2
SNET IV 14 14 20 07.3–1.3 12.64N 88.16W 27–7 3.3L **¶612454312**
INET IV 14 14 20 08.1–1.0 12.87N 88.02W 15–15 3.1W
ISC Event type ke.
SNET Error ellipse: s-maj=7.9km s-min=5.5km az=-1.0.
INET Error ellipse: s-maj=7.6km s-min=12.2km az=-1.0.
ISC IV 20 08 03 22.4–1.5 12.83N–.09 88.09W–.05 69–14 38 1-4
INET IV 20 08 03 22.5–1.4 12.85N 88.07W 15–14 3.4L **¶612454368**
SNET IV 20 08 03 22.1–1.1 12.89N 88.08W 74–8 3.3L
ISC Event type ke.
INET Error ellipse: s-maj=6.6km s-min=5.5km az=-1.0.
SNET Error ellipse: s-maj=9.0km s-min=3.1km az=-1.0.
ISC IV 22 11 51 32.1–2.5 12.9N–.20 90.79W–.06 57–18 3.8b,3.5s 33 1-147
GCG IV 22 11 51 17.1–.88 12.29N 90.65W 147–87 4.7,3.5s **¶610653262**
IDC IV 22 11 51 30.8–2.1 13.87N 90.32W 0 3.8L,3.7b
SNET IV 22 11 51 34.9–.69 13.18N 90.64W 16–6 3.7L,3.7b
ISC Event type ke.
GCG Error ellipse: s-maj=42.0km s-min=13.4km az=-1.0.
IDC Error ellipse: s-maj=58.7km s-min=27.4km az=34.0.
SNET Error ellipse: s-maj=5.5km s-min=6.1km az=-1.0.
SNET IV 25 00 58 13.0–1.2 12.19N 89.00W 15–7 2.9L
¶612524058
SNET Error ellipse: s-maj=5.2km s-min=5.7km az=-1.0.
ISC IV 25 19 23 19.1–2.7 11.89N–.07 88.81W–.06 12–16 3.6b 37 1-149
INET IV 25 19 23 18.3–1.1 11.73N 88.93W 5 3.6W **¶610650009**
IDC IV 25 19 23 21.0–1.8 13.02N 87.80W 0 3.8L,3.6
GCG IV 25 19 23 21.1–.37 11.68N 89.46W 133–191 3.9,3.6
SNET IV 25 19 23 21.7–2.6 11.92N 88.86W 30 4.2L,4.1L
ISC Event type ke.
INET Error ellipse: s-maj=7.5km s-min=8.7km az=-1.0.
IDC Error ellipse: s-maj=102.7km s-min=23.3km az=48.0.
GCG Error ellipse: s-maj=66.0km s-min=12.4km az=-1.0.
SNET Error ellipse: s-maj=12.9km s-min=10.6km az=-1.0.
ISC IV 26 15 44 35.7–2.3 12.6N–.20 90.5W–.10 10 3.7b 20 1-53
SNET IV 26 15 44 41.0 12.85N 90.39W 19 3.7L **¶612524073**
IDC IV 26 15 45 06.2–6.7 16.90N 89.98W 0 3.7b,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=128.7km s-min=23.0km az=167.0.
ISC IV 27 08 09 36.8–2.6 12.1N–.10 88.35W–.06 4–12 34 1-3
SNET IV 27 08 09 39.6–.72 12.19N 88.39W 15–3 3.6L **¶612454443**
INET IV 27 08 09 40.2–1.6 12.23N 88.29W 9–13 3.6W
ISC Event type ke.
SNET Error ellipse: s-maj=2.6km s-min=2.9km az=-1.0.
INET Error ellipse: s-maj=8.8km s-min=10.5km az=-1.0.
ISC IV 29 16 35 14.0–1.8 12.58N–.10 88.04W–.06 29–16 15 1-2
INET IV 29 16 35 12.4–.77 12.56N 88.14W 15–14 2.9W **¶612454457**
SNET IV 29 16 35 15.2–1.6 12.66N 87.99W 38 3.1L
ISC Event type ke.
INET Error ellipse: s-maj=4.2km s-min=12.2km az=-1.0.
SNET Error ellipse: s-maj=9.9km s-min=6.3km az=-1.0.
ISC IV 30 19 58 24.7–1.8 12.76N–.08 88.67W–.04 23–14 40 1-2
SNET IV 30 19 58 25.6–1.2 12.80N 88.64W 29 3.5L **¶612454470**
INET IV 30 19 58 26.2–.67 12.82N 88.49W 7–6 3.3
ISC Event type ke.
SNET Error ellipse: s-maj=3.5km s-min=2.5km az=-1.0.
INET Error ellipse: s-maj=12.6km s-min=4.7km az=-1.0.
ISC V 05 07 01 24.2–1.3 12.59N–.08 88.27W–.05 35 3.4b 40 1-53
IDC V 05 07 00 55.2–29 9.92N 87.86W 0 3.4,3.4b **¶612454538**
SNET V 05 07 01 24.2–1.3 12.59N 88.25W 30 4.0L,3.4b
INET V 05 07 01 25.5–1.2 12.65N 88.22W 21–24 3.2W,3.4b
ISC Event type ke.
IDC Error ellipse: s-maj=637.5km s-min=129.9km az=10.0.
SNET Error ellipse: s-maj=6.0km s-min=3.4km az=-1.0.
INET Error ellipse: s-maj=8.0km s-min=6.1km az=-1.0.
ISC V 08 06 27 43.2–2.3 12.9N–.10 89.21W–.04 27–15 39 1-3
SNET V 08 06 27 43.3–.85 12.85N 89.24W 43 3.8L **¶612524156**
GCG V 08 06 27 46.8–.39 13.47N 89.45W 167–11 4.0
ISC Event type ke.
SNET Error ellipse: s-maj=3.9km s-min=2.3km az=-1.0.
GCG Error ellipse: s-maj=14.4km s-min=5.2km az=-1.0.
IDC V 10 13 14 53.9–1.6 2.73N 84.06W 0 4.0L,3.5
¶610689967
IDC Error ellipse: s-maj=171.2km s-min=23.9km az=57.0.
ISC V 10 20 55 42.7–1.7 12.80N–.07 88.88W–.04 26–13 41 1-2
SNET V 10 20 55 44.5–1.5 12.90N 88.82W 32 3.6L **¶612454565**
INET V 10 20 55 45.9–.74 12.77N 88.71W 15–6 2.5W
ISC Event type ke.
SNET Error ellipse: s-maj=4.7km s-min=3.0km az=-1.0.
INET Error ellipse: s-maj=6.1km s-min=4.2km az=-1.0.
ISC V 12 10 41 25.0–.34 12.93N–.02 90.06W–.02 13–1 6.1s,5.8b 3146 1-164
IDC V 12 10 41 22.1–.29 13.01N 89.96W 0 6.0s,5.5 **¶611833873**
MOS V 12 10 41 23.9–1.0 12.92N 90.04W 16 6.1s,6.0b
BJI V 12 10 41 23.7–.00 12.94N 90.07W 10 6.4s,6.3
SNET V 12 10 41 25.5–.97 12.70N 90.17W 12 6.2L,6.3
NEIC V 12 10 41 26.7 12.92N 90.06W 16 6.2L,6.3
NEIC V 12 10 41 26.7–2.1 12.92N–.05 90.06W–.05 16–1 6.3,6.2
NEIC V 12 10 41 27.3 12.91N 90.05W 18 6.3,6.2
GCG V 12 10 41 27.4–.69 12.93N 90.00W 38 5.8,6.2
NEIC V 12 10 41 27.3 12.71N 90.25W 18 5.8,6.2
GCMT V 12 10 41 28.7–.00 12.69N 90.38W 18–0 6.2W,6.2
INET V 12 10 41 28.6–1.5 12.75N 90.07W 15–9 6.0W,6.2
UPA V 12 10 41 29.3–2.4 13.14N 90.00W 10–971 6.0W,6.2
NEIC V 12 10 41 49.9 12.62N 89.97W 28 6.0W,6.2
ISC Event type se.
IDC Error ellipse: s-maj=12.0km s-min=6.6km az=48.0.
MOS Error ellipse: s-maj=6.8km s-min=4.3km az=95.3.
SNET Error ellipse: s-maj=7.5km s-min=7.0km az=-1.0.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=7.0km az=225.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se.
GCG Error ellipse: s-maj=274.3km s-min=200.2km az=-1.0.
NEIC Event type se. Moment Tensor Solution.Duration: 6s9 Moment tensor: Scale 10^{18}Nm; M_{rr}-2.57 $M_{\theta\theta}$-0.31 $M_{\phi\phi}$2.88 $M_{r\theta}$0.81 $M_{\theta\phi}$-0.44 $M_{\phi r}$0.45 NP1:ϕ_s190.16000°,δ51.50000°,λ-65.78000°. NP2:ϕ_s334.31000°,δ44.46000°,λ-117.28000°. Principal axes: T 2.9592,Plg4.0000°,Azm263.0000°; N -0.0755,Plg19.0000°,Azm355.0000°; P -2.8837,Plg71.0000°,Azm163.0000° $M_0$2.92000×10^{18}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s166,c384; s163,c648; Duration: 3s1 Moment tensor: Scale 10^{18}Nm; M_{rr}-2.22±.01 $M_{\theta\theta}$-0.47±.01; $M_{\phi\phi}$2.69±.01; $M_{r\theta}$0.85±.03; $M_{\theta\phi}$-0.35±.01; $M_{\phi r}$-0.04±.03; Best double couple: NP1:ϕ_s333.00000°,δ51.00000°,λ-119.00000°. NP2:ϕ_s195.00000°,δ48.00000°,λ-59.00000°. Principal axes: T 2.7310,Plg2.0000°,Azm83.0000°; N -0.1610,Plg22.0000°,Azm353.0000°; P -2.5670,Plg68.0000°,Azm177.0000° $M_0$2.64900×10^{18}
INET Error ellipse: s-maj=6.5km s-min=7.1km az=-1.0.
UPA Error ellipse: s-maj=422.4km s-min=852.6km az=-1.0.
NEIC Event type se. Moment Tensor Solution.Duration: 8s0 Moment tensor: Scale 10^{18}Nm; M_{rr}-2.91 $M_{\theta\theta}$-0.39 $M_{\phi\phi}$3.30 $M_{r\theta}$-1.19 $M_{\theta\phi}$-0.33 $M_{\phi r}$1.77 NP1:ϕ_s158.54000°,δ62.56000°,λ-107.03000°. NP2:ϕ_s12.15000°,δ31.94000°,λ-60.58000°. Principal axes: T 3.8636,Plg16.0000°,Azm261.0000°; N -0.1439,Plg15.0000°,Azm167.0000°; P -3.7197,Plg68.0000°,Azm35.0000° $M_0$3.79000×10^{18}
ISC V 12 10 51 09.1–.22 12.95N–.04 90.11W–.03 29 5.8s,5.3b 1597 1-151
IDC V 12 10 51 04.2–.33 13.07N 89.88W 0 5.0,5.0b **¶610630851**
MOS V 12 10 51 04.7–1.0 12.97N 90.12W 10 5.4b,5.0b
NEIC V 12 10 51 07 12.94N 90.12W 18 5.4b,5.0b
NEIC V 12 10 51 07 12.84N 90.12W 18 5.4b,5.0b
SNET V 12 10 51 08.7–.59 12.77N 90.18W 14 5.3L,5.0b
NEIC V 12 10 51 08.1–1.6 12.97N–.05 90.13W–.06 17–1 5.4b,5.2
INET V 12 10 51 11.6–1.2 12.85N 90.06W 15–5 4.1W,5.2
BGR V 12 10 51 15.6 12.95N 90.01W 33 5.7b,5.2
GCG V 12 10 51 23.5–.57 13.79N 90.65W 49–28 4.6,5.2
ISC Event type ke.
IDC Error ellipse: s-maj=14.9km s-min=7.9km az=60.0.
MOS Error ellipse: s-maj=11.6km s-min=5.6km az=111.3.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 1s1.0 Moment tensor: Scale 10^{16}Nm; M_{rr}-5.81 $M_{\theta\theta}$0.07 $M_{\phi\phi}$5.74 $M_{r\theta}$2.65 $M_{\theta\phi}$-1.84 $M_{\phi r}$-2.56 NP1:ϕ_s328.60000°,δ60.76000°,λ-105.66000°. NP2:ϕ_s178.46000°,δ32.84000°,λ-64.25000°. Principal axes:

T 7.1078,Plg14.0000°,Azm70.0000°; N -0.0288,Plg14.0000°,Azm336.0000°
; P -7.0789,Plg70.0000°,Azm205.0000° $M_0$7.09000×10^{16}
SNET Error ellipse: s-maj=7.8km s-min=4.6km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=8.7km s-min=6.5km az=49.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
INET Error ellipse: s-maj=16.5km s-min=4.9km az=-1.0.
BGR Event type ke.
GCG Error ellipse: s-maj=28.4km s-min=9.9km az=-1.0.
ISC V 12 15 22 39.1–1.0 12.93N–.06 90.09W–.05 60–9 4.5b,3.8s 398 1-148
INET V 12 15 22 31.8–1.2 12.63N 90.56W 15–14 4.9W,3.8s **¶610634662**
NEIC V 12 15 22 33.3–2.9 12.96N–.07 90.08W–.07 10–1 4.6b,3.8s
GCG V 12 15 22 37.2–.51 14.13N 90.05W 200–7 4.4,3.8s
SNET V 12 15 22 38.0–.91 12.85N 90.08W 16–5 4.5L,3.8s
IDC V 12 15 22 41.0–2.6 13.41N 89.78W 50–23 4.3,4.0b
UCR V 12 15 22 41.8–1.3 12.94N 89.87W 33–471 4.6b,3.9W
ISC Event type se.
INET Error ellipse: s-maj=13.5km s-min=14.2km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=16.7km s-min=3.0km az=221.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCG Error ellipse: s-maj=25.5km s-min=7.7km az=-1.0.
SNET Error ellipse: s-maj=5.3km s-min=9.3km az=-1.0.
IDC Error ellipse: s-maj=31.1km s-min=13.7km az=35.0.
UCR Error ellipse: s-maj=111.6km s-min=277.6km az=-1.0.
ISC V 13 04 46 31.9–1.5 12.78N–.05 90.14W–.04 12–9 4.2b,3.3s 84 1-148
NEIC V 13 04 46 31.7–1.5 12.79N–.09 90.15W–.07 10–2 4.2b,3.3s **¶610690173**
IDC V 13 04 46 34.9–1.9 13.70N 89.54W 0 3.9,3.8b
INET V 13 04 46 35.7–1.1 12.76N 90.20W 29–22 4.0L,3.8b
SNET V 13 04 46 36.5–4.2 12.85N 90.04W 12 3.9L,3.8b
GCG V 13 04 46 38.5–1.8 14.81N 89.93W 183–28 4.0,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.6km s-min=9.3km az=206.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=51.3km s-min=27.1km az=30.0.
INET Error ellipse: s-maj=8.1km s-min=9.3km az=-1.0.
SNET Error ellipse: s-maj=14.2km s-min=23.2km az=-1.0.
GCG Error ellipse: s-maj=72.0km s-min=24.5km az=-1.0.
ISC V 13 06 29 08.7–1.4 12.7N–.10 90.16W–.06 10 3.8b,3.4s 19 1-148
IDC V 13 06 29 09.6–3.8 13.25N 89.64W 0 3.7,3.7b **¶612524191**
SNET V 13 06 29 09.8–1.2 12.70N 90.24W 16 3.8L,3.7b
GCG V 13 06 29 19.1–3.4 13.81N 90.26W 164–77 3.7,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=83.0km s-min=40.9km az=10.0.
SNET Error ellipse: s-maj=10.3km s-min=91.0km az=-1.0.
GCG Error ellipse: s-maj=172.5km s-min=44.5km az=-1.0.
ISC V 13 08 05 43.3–2.6 12.14N–.09 88.01W–.05 16–14 32 1-3
INET V 13 08 05 43.5–1.8 12.18N 87.97W 2–5 3.4W **¶612454575**
SNET V 13 08 05 44.9–1.1 12.24N 88.15W 8–11 3.2L
ISC Event type ke.
INET Error ellipse: s-maj=8.9km s-min=6.6km az=-1.0.
SNET Error ellipse: s-maj=6.1km s-min=6.1km az=-1.0.
ISC V 13 11 26 17.1–.29 12.87N–.04 90.03W–.04 29 4.9b,4.1s 796 1-148
BGR V 13 11 25 54.0 9.36N 93.58W 33 4.8b,4.1s **¶610638464**
GCG V 13 11 26 03.7–1.8 11.80N 89.86W 50–999 4.8,4.1s
SNET V 13 11 26 13.0–.94 12.55N 90.27W 14–6 5.1L,4.1s
NEIC V 13 11 26 15.6–2.9 12.92N–.07 90.08W–.07 10–1 5.0b,4.1s
INET V 13 11 26 16.8–1.7 12.76N 90.18W 15–21 4.9L,4.1s
GCMT V 13 11 26 17.6–.20 12.78N–.02 90.50W–.02 17–0 5.0W,4.1s
UCR V 13 11 26 17.7–1.5 13.57N 89.59W 0–609 5.0b,4.3W
IDC V 13 11 26 19.4–2.4 13.07N 89.75W 44–22 4.6,4.4b
MOS V 13 11 26 19.7–.97 12.97N 89.95W 65 5.1b,4.4b
BJI V 13 11 26 19.0–.00 13.00N 90.00W 30 5.4b,5.1s
ISC Event type ke.
BGR Event type ke.
GCG Error ellipse: s-maj=121.3km s-min=41.6km az=-1.0.
SNET Error ellipse: s-maj=5.4km s-min=4.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=14.8km s-min=8.6km az=220.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
INET Error ellipse: s-maj=11.7km s-min=9.4km az=-1.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s58,c72; s114,c163;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}3.43±.13 $M_{\theta\theta}$-1.41±.08; $M_{\phi\phi}$-2.02±.09; $M_{r\theta}$0.69±.20; $M_{\theta\phi}$1.17±.05; $M_{\phi r}$-2.50±.23; Best double couple: NP1:ϕ_s155.00000°,δ65.00000°,λ99.00000°. NP2:ϕ_s314.00000°,δ27.00000°,λ71.00000°. Principal axes: T 4.4120,Plg69.0000°
,Azm84.0000°; N -0.6510,Plg8.0000°,Azm331.0000°; P -3.7610,Plg19.0000°,Azm238.0000°
$M_0$4.08600×10^{16}
UCR Error ellipse: s-maj=717.3km s-min=999.9km az=-1.0.
IDC Error ellipse: s-maj=22.3km s-min=10.6km az=57.0.
MOS Error ellipse: s-maj=13.0km s-min=5.6km az=109.5.
ISC V 13 12 09 54.8–.69 12.81N–.06 90.10W–.07 29 4.2b 62 1-148
SNET V 13 12 09 50.3–1.1 12.62N 90.36W 14–12 4.3L **¶610690193**
IDC V 13 12 09 51.5–1.1 13.22N 89.68W 0 4.0,4.0b
NEIC V 13 12 09 54.8–1.4 12.90N–.03 90.03W–.07 10–2 4.3b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 13 13 15 44.5–3.3 12.73N–.07 90.32W–.06 15–20 4.0b 45 1-148
IDC V 13 13 15 44.5–1.9 13.11N 89.51W 0 4.0,4.0b **¶610690196**
SNET V 13 13 15 44.6–1.8 12.64N 90.33W 21 4.2L,4.0b
INET V 13 13 15 48.3–1.3 12.72N 90.19W 15–20 3.4W,4.0b
GCG V 13 13 15 53.2–.44 13.16N 90.55W 8–15 4.0,4.0b
ISC Event type ke.
IDC Error ellipse: s-maj=41.3km s-min=37.6km az=8.0.
SNET Error ellipse: s-maj=10.1km s-min=16.2km az=-1.0.
INET Error ellipse: s-maj=12.5km s-min=15.0km az=-1.0.
GCG Error ellipse: s-maj=11.6km s-min=11.5km az=-1.0.
INET V 13 14 03 01.9–.44 12.67N 88.39W 23–18 2.9W
SNET V 13 14 02 35.2–25 12.79N 90.35W 1 4.0L **¶612454576**
INET Error ellipse: s-maj=5.9km s-min=4.1km az=-1.0.
SNET Error ellipse: s-maj=243.4km s-min=181.6km az=-1.0.
ISC V 13 15 40 53.3–1.8 12.57N–.09 88.53W–.06 35 19 1-2
INET V 13 15 40 49.9–.74 12.48N 88.60W 3–7 3.3W **¶612454577**
SNET V 13 15 40 53.7–.93 12.67N 88.51W 30–3 3.2L
ISC Event type ke.
INET Error ellipse: s-maj=5.2km s-min=8.0km az=-1.0.
SNET Error ellipse: s-maj=6.8km s-min=2.7km az=-1.0.
ISC V 13 22 57 48.3–.47 12.80N–.04 90.16W–.04 10 4.4b,3.6s 165 1-148
GCG V 13 22 57 47.0–1.7 12.49N 90.27W 33–321 4.5,3.6s **¶610638575**
IDC V 13 22 57 48.0–.91 13.27N 89.66W 0 4.2,4.1b
SNET V 13 22 57 48.9–1.4 12.69N 90.23W 21 4.6L,4.1b
NEIC V 13 22 57 49.5–2.1 12.89N–.07 90.11W–.07 10–1 4.5b,4.1b
INET V 13 22 57 59.5–.68 12.75N 89.54W 15–6 3.9W,4.1b
ISC Event type se.
GCG Error ellipse: s-maj=195.1km s-min=67.7km az=-1.0.
IDC Error ellipse: s-maj=30.1km s-min=16.0km az=44.0.
SNET Error ellipse: s-maj=6.4km s-min=10.6km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=14.3km s-min=8.8km az=218.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
INET Error ellipse: s-maj=11.1km s-min=4.8km az=-1.0.
ISC V 13 23 33 18.1–.58 12.84N–.06 90.16W–.06 29 4.4b,3.4s 128 1-148
GCG V 13 23 33 09.7–.76 12.36N 90.31W 0–154 3.8,3.4s **¶610638579**
IDC V 13 23 33 15.7–1.1 13.29N 89.59W 0 4.0,4.0b
NEIC V 13 23 33 16.6–2.0 12.90N–.08 90.11W–.08 10–2 4.4b,4.0b
SNET V 13 23 33 19.0–.91 12.86N 90.10W 16–6 4.5L,4.0b
INET V 13 23 33 20.2–.96 13.14N 90.00W 103–20 3.7W,4.0b
ISC Event type se.
GCG Error ellipse: s-maj=318.1km s-min=85.6km az=-1.0.
IDC Error ellipse: s-maj=36.3km s-min=18.1km az=45.0.
NEIC Event type se. Error ellipse: s-maj=16.5km s-min=9.3km az=218.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SNET Error ellipse: s-maj=5.0km s-min=10.0km az=-1.0.
INET Error ellipse: s-maj=14.8km s-min=8.8km az=-1.0.
ISC V 14 04 29 06.5–.97 12.96N–.05 90.03W–.05 54–9 4.5b,3.5s 482 1-148
GCG V 14 04 29 01.1–.31 13.33N 90.27W 198–16 4.6,3.5s **¶616639934**
NEIC V 14 04 29 02.1–2.8 12.90N–.07 90.13W–.06 10–1 4.6b,3.5s
INET V 14 04 29 03.9–.40 12.82N 90.13W 11–6 4.2W,3.5s
SNET V 14 04 29 06.0–1.4 12.98N 90.02W 69–7 4.7L,3.5s
IDC V 14 04 29 07.0–2.3 13.21N 89.73W 48–22 4.4,4.2b
UCR V 14 04 29 09.4–1.3 12.87N 89.76W 20–999 4.6b,3.9W
BGR V 14 04 29 09.6 13.01N 89.79W 33 4.6b,3.9W
ISC Event type ke.
GCG Error ellipse: s-maj=16.3km s-min=4.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=8.6km az=213.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
INET Error ellipse: s-maj=3.8km s-min=3.0km az=-1.0.
SNET Error ellipse: s-maj=6.6km s-min=10.2km az=-1.0.
IDC Error ellipse: s-maj=22.5km s-min=10.2km az=56.0.
UCR Error ellipse: s-maj=640.5km s-min=999.9km az=-1.0.
BGR Event type ke.
ISC V 15 05 42 01.2–1.8 12.81N–.06 88.94W–.05 26–14 40 1-6
INET V 15 05 42 01.9–1.3 12.79N 88.93W 36–79 2.8W **¶612454591**
SNET V 15 05 42 02.1–1.7 12.85N 88.92W 13–7 3.0L
UCR V 15 05 42 09.5–.42 13.79N 87.29W 20–999 3.5W
ISC Event type ke.
INET Error ellipse: s-maj=8.1km s-min=5.1km az=-1.0.
SNET Error ellipse: s-maj=8.1km s-min=3.9km az=-1.0.
UCR Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
ISC V 16 04 03 52.9–.88 12.94N–.04 90.14W–.05 48–8 4.9b,4.7s 692 1-148
GCG V 16 04 03 30.1–1.8 11.69N 89.74W 172–333 4.7,4.7s **¶610641340**
IDC V 16 04 03 47.0–.51 13.12N 89.88W 0 4.6s,4.6
NEIC V 16 04 03 48.1 12.89N 90.31W 22 4.6s,4.6
NEIC V 16 04 03 48.2–1.2 12.90N–.08 90.14W–.08 10–1 5.2,5.2
NEIC V 16 04 03 48.1 12.89N 90.11W 10 5.2,5.2
NEIC V 16 04 03 48.1 12.89N 90.11W 22 5.2,5.2
GCMT V 16 04 03 51.3–.20 12.73N–.01 90.52W–.01 23–0 5.3W,5.2
SNET V 16 04 03 52.7–3.4 12.93N 90.17W 18 5.1L,5.2
INET V 16 04 03 53.1–.87 12.89N 90.01W 15–9 5.1L,5.2
ISC Event type se.
GCG Error ellipse: s-maj=146.0km s-min=49.6km az=-1.0.
IDC Error ellipse: s-maj=22.8km s-min=9.8km az=61.0.
NEIC Event type se. Moment Tensor Solution.Duration: 1s1.0 Moment tensor: Scale 10^{16}Nm; M_{rr}-4.12 $M_{\theta\theta}$-1.88 $M_{\phi\phi}$6.01 $M_{r\theta}$0.49 $M_{\theta\phi}$6.50 $M_{\phi r}$-0.19 NP1:ϕ_s252.88000°,δ77.57000°
,λ-13.19000°. NP2:ϕ_s345.77000°,δ77.13000°,λ-167.25000°. Principal axes:
T 9.6630,Plg0.0000°,Azm299.0000°; N -3.9570,Plg72.0000°,Azm30.0000°
; P -5.7060,Plg18.0000°,Azm209.0000° $M_0$7.68000×10^{16}
NEIC Event type se. Error ellipse: s-maj=15.2km s-min=10.0km az=222.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.98 $M_{\theta\theta}$-3.14 $M_{\phi\phi}$2.16 $M_{r\theta}$0.51 $M_{\theta\phi}$8.00 $M_{\phi r}$-2.39 NP1:ϕ_s170.35000°,δ88.10000°,λ163.52000°. NP2:ϕ_s260.92000°,δ73.53000°
,λ1.99000°. Principal axes: T 8.3092,Plg13.0000°,Azm124.0000°; N 0.9329,Plg73.0000°
,Azm344.0000°; P -9.2422,Plg10.0000°,Azm217.0000° $M_0$8.81000×10^{16}
NEIC Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s82,c122; s115,c198;Duration: 1s0
Moment tensor: Scale 10^{17}Nm; M_{rr}-0.34±.02 $M_{\theta\theta}$-0.24±.02; $M_{\phi\phi}$0.57±.02; $M_{r\theta}$0.41±.03; $M_{\theta\phi}$0.75±.02; $M_{\phi r}$-0.13±.03; Best double couple: NP1:ϕ_s250.00000°,δ70.00000°,λ-29.00000°. NP2:ϕ_s351.00000°,δ63.00000°,λ-158.00000°. Principal axes: T 1.0250,Plg5.0000°
,Azm302.0000°; N -0.0650,Plg56.0000°,Azm38.0000°; P -0.9600,Plg34.0000°
,Azm209.0000° $M_0$0.99300×10^{17}
SNET Error ellipse: s-maj=10.6km s-min=14.1km az=-1.0.
INET Error ellipse: s-maj=5.1km s-min=7.0km az=-1.0.
ISC V 16 04 27 20.8–1.7 12.62N–.08 88.38W–.05 25–15 26 1-3
SNET V 16 04 27 21.1–2.4 12.65N 88.39W 16 3.3L,3.3L **¶612454597**
INET V 16 04 27 22.8–.53 12.69N 88.28W 15–6 3.4W,3.3L
ISC Event type ke.
SNET Error ellipse: s-maj=11.5km s-min=7.8km az=-1.0.
INET Error ellipse: s-maj=3.6km s-min=4.2km az=-1.0.
ISC V 16 08 36 41.5–2.6 12.8N–.10 90.30W–.07 10–12 21 1-2
SNET V 16 08 36 41.7–1.9 12.69N 90.33W 10 3.6L **¶612524220**
GCG V 16 08 36 48.9–.73 13.11N 90.16W 71–105 3.7
ISC Event type ke.
SNET Error ellipse: s-maj=7.3km s-min=16.8km az=-1.0.
GCG Error ellipse: s-maj=43.1km s-min=14.6km az=-1.0.
ISC V 16 16 31 00.2–1.2 12.54N–.09 89.99W–.07 32 3.9b 22 1-148
SNET V 16 16 30 58.5–1.5 12.75N 90.44W 11 3.8L **¶610690434**
IDC V 16 16 30 59.6–2.6 13.33N 89.58W 0 3.7,3.7b
ISC Event type ke.
SNET Error ellipse: s-maj=7.3km s-min=13.2km az=-1.0.
IDC Error ellipse: s-maj=70.3km s-min=36.5km az=23.0.
ISC V 17 02 07 20.4–2.1 12.73N–.08 90.21W–.05 10–12 52 1-53
IDC V 17 02 07 14.4–13 12.65N 89.22W 0 3.4,3.4b **¶610690459**
SNET V 17 02 07 23.2–1.3 12.82N 90.18W 22–6 3.8L,3.4b
INET V 17 02 07 26.1–.83 12.88N 90.01W 15–4 3.2W,3.4b
GCG V 17 02 07 42.5–.31 14.35N 90.72W 51–5 3.8,3.4b
ISC Event type ke.
IDC Error ellipse: s-maj=278.0km s-min=114.3km az=8.0.
SNET Error ellipse: s-maj=5.3km s-min=6.7km az=-1.0.
INET Error ellipse: s-maj=20.6km s-min=3.3km az=-1.0.
GCG Error ellipse: s-maj=7.4km s-min=2.9km az=-1.0.
ISC V 18 09 12 59.9–2.8 11.9N–.20 89.11W–.10 41 23 2-3
INET V 18 09 12 59.3–.79 11.83N 89.08W 14–12 3.2W **¶612454606**
SNET V 18 09 13 00.9–.83 12.00N 89.06W 26–49 3.2L
ISC Event type ke.
INET Error ellipse: s-maj=8.8km s-min=8.1km az=-1.0.
SNET Error ellipse: s-maj=32.2km s-min=5.2km az=-1.0.
ISC V 19 00 29 49.9–1.3 12.5N–.10 90.10W–.07 32 4.0b,3.1s 25 1-148
INET V 19 00 29 48.3–.22 11.14N 90.05W 15–2 3.3W,3.1s **¶610690632**
IDC V 19 00 29 49.5–3.6 13.21N 89.62W 0 3.8,3.7b
GCG V 19 00 29 51.9–.68 12.90N 90.45W 0–11 4.1,3.7b
SNET V 19 00 29 51.2–.61 12.77N 90.29W 19–6 3.7L,3.7b
ISC Event type ke.
INET Error ellipse: s-maj=7.9km s-min=4.0km az=-1.0.
IDC Error ellipse: s-maj=83.9km s-min=35.9km az=16.0.
GCG Error ellipse: s-maj=14.7km s-min=14.9km az=-1.0.
SNET Error ellipse: s-maj=4.9km s-min=9.0km az=-1.0.
ISC V 20 13 27 26.8–1.7 12.39N–.09 88.16W–.06 30–14 30 1-2
SNET V 20 13 27 29.5–2.1 12.58N 87.98W 57 3.8L **¶612454627**
INET V 20 13 27 31.0–1.0 12.57N 87.94W 26–10 3.7L
ISC Event type ke.
SNET Error ellipse: s-maj=9.8km s-min=6.3km az=-1.0.
INET Error ellipse: s-maj=6.6km s-min=5.5km az=-1.0.
ISC V 20 17 38 44.5–1.9 12.61N–.09 88.44W–.05 13–14 33 1-2
INET V 20 17 38 47.0–.29 12.65N 88.33W 6–2 3.1L **¶612454628**
SNET V 20 17 38 47.0–1.4 12.65N 88.48W 21–7 3.2L
ISC Event type ke.
INET Error ellipse: s-maj=1.5km s-min=2.4km az=-1.0.
SNET Error ellipse: s-maj=5.3km s-min=4.3km az=-1.0.
ISC V 21 08 43 50.5–1.7 12.73N–.07 90.12W–.05 17–10 4.2b 84 1-148
NEIC V 21 08 43 48.4–1.8 12.51N–.09 90.19W–.07 10–2 4.3b **¶610646026**
GCG V 21 08 43 51.4–.79 13.73N 90.09W 208–19 4.1
INET V 21 08 43 53.3–1.9 11.03N 89.69W 15–12 3.2W
SNET V 21 08 43 53.3–2.0 12.80N 90.18W 36 4.1L
IDC V 21 08 43 55.0–5.5 13.05N 89.86W 34–44 4.0,3.8b
ISC Event type se.

NEIC Event type se. Error ellipse: s-maj=17.1km s-min=9.8km az=212.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCG Error ellipse: s-maj=46.3km s-min=20.4km az=-1.0.
INET Error ellipse: s-maj=58.2km s-min=24.9km az=-1.0.
SNET Error ellipse: s-maj=14.9km s-min=11.6km az=-1.0.
IDC Error ellipse: s-maj=38.5km s-min=16.1km az=44.0.
ISC V 21 22 45 13.8–1.3 12.78N–.09 90.05W–.06 29 30 1-148
IDC V 21 22 45 07.3–4.1 12.99N 89.29W 0 3.6,3.5b **¶610685109**
SNET V 21 22 45 10.9–1.2 12.71N 90.26W 21 3.9L,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=134.7km s-min=53.1km az=31.0.
SNET Error ellipse: s-maj=6.6km s-min=8.1km az=-1.0.
ISC V 22 12 58 30.1–1.4 12.73N–.10 88.32W–.05 59–10 3.6b 45 1-139
IDC V 22 12 58 21.8–3.5 12.90N 87.63W 0 3.7,3.7b **¶610685160**
INET V 22 12 58 31.0–1.3 12.66N 88.32W 27–33 3.9W,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=70.4km s-min=46.4km az=7.0.
INET Error ellipse: s-maj=9.3km s-min=7.3km az=-1.0.
ISC V 22 20 44 08.8–1.5 12.8N–.10 90.13W–.06 29 3.7b 16 1-148
IDC V 22 20 44 05.6–3.7 13.11N 89.61W 0 3.6,3.6b **¶610685178**
SNET V 22 20 44 09.7–1.4 12.95N 90.10W 87 3.7L,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=83.0km s-min=41.1km az=10.0.
SNET Error ellipse: s-maj=23.5km s-min=15.8km az=-1.0.
ISC V 22 21 53 54.6–.78 12.70N–.07 90.16W–.06 10 4.2b 60 1-148
IDC V 22 21 53 54.9–1.3 13.09N 89.65W 0 3.9,3.9b **¶610685182**
NEIC V 22 21 53 55.4–2.8 12.74N–.09 90.17W–.07 10–2 4.2b,3.9b
GCG V 22 21 53 58.1–.66 12.69N 90.38W 39 4.1,3.9b
SNET V 22 21 53 59.1–9.4 12.88N 89.81W 2 3.8L,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=48.6km s-min=19.4km az=44.0.
NEIC Event type se. Error ellipse: s-maj=16.0km s-min=9.6km az=208.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCG Error ellipse: s-maj=6.2km s-min=7.3km az=-1.0.
SNET Error ellipse: s-maj=98.9km s-min=95.6km az=-1.0.
ISC V 23 08 18 02.4–2.6 12.5N–.20 90.1W–.10 32 14 1-53
IDC V 23 08 17 57.5–14 12.78N 88.80W 0 3.2,3.2b **¶610685204**
SNET V 23 08 18 04.3–.77 12.78N 90.28W 25–16 3.5L,3.2b
ISC Event type ke.
IDC Error ellipse: s-maj=310.3km s-min=115.5km az=7.0.
SNET Error ellipse: s-maj=4.8km s-min=11.3km az=-1.0.
ISC V 23 16 27 18.8–1.8 13.0N–.10 89.12W–.07 52–36 41 1-3
SNET V 23 16 27 18.5–1.1 12.97N 89.13W 29 3.8L **¶612454641**
INET V 23 16 27 24.8–.46 12.68N 88.75W 15–5 3.5W
ISC Event type ke.
SNET Error ellipse: s-maj=3.0km s-min=2.4km az=-1.0.
INET Error ellipse: s-maj=23.1km s-min=4.8km az=-1.0.
ISC V 24 06 00 28.7–1.9 12.71N–.07 89.34W–.04 12–11 4.3b,3.1s 109 1-148
IDC V 24 06 00 27.5–1.1 13.18N 88.78W 0 3.9,3.8b **¶610685275**
SNET V 24 06 00 28.9–1.1 12.67N 89.40W 14 4.3L,3.8b
NEIC V 24 06 00 29.0–2.2 12.78N–.10 89.24W–.07 10–2 4.4b,3.8b
GCG V 24 06 00 31.8–1.1 12.72N 89.86W 0–107 4.4,3.8b
INET V 24 06 00 32.6–1.1 12.72N 89.23W 15–8 4.7W,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=35.4km s-min=17.7km az=48.0.
SNET Error ellipse: s-maj=5.3km s-min=4.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=18.4km s-min=9.4km az=210.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCG Error ellipse: s-maj=200.4km s-min=104.5km az=-1.0.
INET Error ellipse: s-maj=6.3km s-min=4.6km az=-1.0.
ISC V 25 10 49 07.4–2.6 12.7N–.10 90.26W–.07 29–21 34 1-2
SNET V 25 10 49 07.6–1.0 12.73N 90.26W 36 3.5L **¶612524336**
GCG V 25 10 49 11.7–.35 13.09N 90.70W 0–9 3.7
ISC Event type ke.
SNET Error ellipse: s-maj=3.7km s-min=4.9km az=-1.0.
GCG Error ellipse: s-maj=18.8km s-min=9.7km az=-1.0.
ISC V 26 15 01 47.8–.60 12.57N–.06 89.66W–.04 10 4.6b,3.3s 190 1-148
GCG V 26 15 01 46.0–.49 12.00N 90.20W 35–277 4.5,3.3s **¶610654742**
IDC V 26 15 01 47.0–1.5 12.79N 89.32W 0 4.1,4.1b
NEIC V 26 15 01 48.4–2.4 12.60N–.03 89.70W–.07 10–1 4.7b,4.1b
INET V 26 15 01 50.3–1.1 12.51N 89.73W 15–5 4.3W,4.1b
SNET V 26 15 01 50.1–1.0 12.50N 89.73W 26 4.2L,4.1b
ISC Event type se.
GCG Error ellipse: s-maj=162.4km s-min=54.8km az=-1.0.
IDC Error ellipse: s-maj=39.2km s-min=24.6km az=28.0.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=5.7km az=259.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
INET Error ellipse: s-maj=21.2km s-min=4.6km az=-1.0.
SNET Error ellipse: s-maj=21.5km s-min=13.8km az=-1.0.
ISC V 26 15 23 36.3–.62 12.78N–.04 90.10W–.03 29–3 5.2b,4.8s 866 1-148
IDC V 26 15 23 32.8–.46 12.99N 89.69W 0 4.7s,4.7 **¶610654743**
SNET V 26 15 23 36.1–1.5 12.68N 90.19W 4 5.2L,4.7
INET V 26 15 23 33.2–1.1 12.53N 90.37W 15–7 5.0W,4.7
NEIC V 26 15 23 34.1–2.4 12.78N–.07 90.18W–.06 10–1 5.3b,5.3
GCG V 26 15 23 36.9–1.6 12.79N 90.02W 40 5.1,5.3
GCMT V 26 15 23 36.1–.10 12.79N–.01 90.42W–.01 12 5.3W,5.3
NEIC V 26 15 23 38.9 12.85N 90.07W 12 5.3W,5.3
NEIC V 26 15 23 38.9 12.55N 90.59W 12 5.3W,5.3
BGR V 26 15 23 38.6 13.20N 90.11W 33 4.9b,4.8s
ISC Event type ke.
IDC Error ellipse: s-maj=22.1km s-min=9.8km az=57.0.
SNET Error ellipse: s-maj=12.1km s-min=11.7km az=-1.0.
INET Error ellipse: s-maj=17.6km s-min=5.7km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=12.5km s-min=8.6km az=215.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCG Error ellipse: s-maj=39.3km s-min=38.1km az=-1.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s118,c186; s150,c279;Duration: 1s1
Moment tensor: Scale 10^{17}Nm; Mrr-0.94±.01 Mθθ0.50±.01; Mϕϕ0.43±.01; Mrθ0.84±.03; Mθϕ-0.42±.01; Mϕr-0.34±.03; Best double couple: NP1:ϕs299.00000°,δ68.00000°,λ-100.00000°. NP2:ϕs144.00000°,δ24.00000°,λ-67.00000°. Principal axes: T 1.2380,Plg22.0000°,Azm37.0000°; N 0.1000,Plg9.0000°,Azm303.0000°; P -1.3370,Plg66.0000°,Azm191.0000° $M_0$1.28700×10^{17}
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2s7 Moment tensor: Scale 10^{17}Nm; Mrr-1.01 Mθθ0.52 Mϕϕ0.49 Mrθ0.56 Mθϕ-0.46 Mϕr0.10 NP1:ϕs293.41000°,δ57.95000°,λ-112.30000°. NP2:ϕs151.10000°,δ38.35000°,λ-58.78000°. Principal axes: T 1.0226,Plg10.0000°,Azm39.0000°; N 0.2040,Plg19.0000°,Azm306.0000°; P -1.2266,Plg68.0000°,Azm157.0000° $M_0$1.12000×10^{17}
BGR Event type ke.
ISC V 26 15 29 35.9–1.3 12.7N–.20 90.2W–.10 32 7 6-148
IDC V 26 15 29 31.5–1.5 12.64N 90.16W 0 3.7,3.7b **¶610685437**
ISC Event type ke.
IDC Error ellipse: s-maj=66.7km s-min=24.5km az=51.0.
ISC V 27 12 58 43.2–.74 12.75N–.06 90.10W–.06 32 4.0b,3.0s 61 1-148
SNET V 27 12 58 39.7–1.2 12.66N 90.31W 23 4.0L,3.0s **¶610685497**
NEIC V 27 12 58 41.8–1.9 12.82N–.08 90.07W–.06 10–2 4.1b,3.0s
IDC V 27 12 58 45.5–1.9 13.04N 89.80W 44–19 4.0,3.7b
ISC Event type se.
SNET Error ellipse: s-maj=6.2km s-min=8.7km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=13.7km s-min=9.3km az=197.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=32.8km s-min=11.4km az=42.0.
ISC V 27 18 02 52.1–2.9 12.74N–.05 90.17W–.04 17–20 4.2b,3.0s 99 1-148
IDC V 27 18 02 50.9–2.1 12.71N 90.23W 0 4.0L,3.8 **¶610685511**
NEIC V 27 18 02 51.4–2.4 12.69N–.07 90.19W–.07 10–2 4.3b,3.8
SNET V 27 18 02 52.3–1.3 12.71N 90.22W 23 4.1L,3.8
INET V 27 18 02 55.1–1.3 12.79N 90.10W 18–10 4.1W,3.8
GCG V 27 18 03 14.9–.31 14.58N 90.75W 44–6 3.8,3.8
ISC Event type se.
IDC Error ellipse: s-maj=60.1km s-min=23.6km az=36.0.
NEIC Event type se. Error ellipse: s-maj=14.2km s-min=8.3km az=219.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SNET Error ellipse: s-maj=5.7km s-min=5.9km az=-1.0.
INET Error ellipse: s-maj=7.4km s-min=8.1km az=-1.0.
GCG Error ellipse: s-maj=6.0km s-min=2.4km az=-1.0.
ISC V 27 20 04 08.9–.56 12.83N–.05 90.16W–.04 29 4.3b,3.2s 124 1-148
IDC V 27 20 04 05.3–.87 13.09N 89.66W 0 4.0,3.9b **¶610655154**
SNET V 27 20 04 07.4–1.4 12.82N 90.35W 23 4.2L,3.9b
NEIC V 27 20 04 07.6–1.6 12.95N–.04 90.09W–.04 10–1 4.4b,3.9b
GCG V 27 20 04 29.5–.34 14.41N 90.70W 48–6 3.9,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=31.9km s-min=15.3km az=52.0.
SNET Error ellipse: s-maj=5.5km s-min=9.7km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=2.9km az=134.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCG Error ellipse: s-maj=8.8km s-min=3.2km az=-1.0.
ISC V 30 11 21 03.9–1.3 12.94N–.09 89.09W–.06 62–11 3.5b 36 1-138
INET V 30 11 21 04.4–.66 12.87N 89.01W 15–4 3.2W **¶610685717**
SNET V 30 11 21 04.0–.89 12.92N 89.12W 32–3 3.8L
IDC V 30 11 21 05.6–2.1 13.28N 88.62W 70–25 3.6,3.2b
ISC Event type ke.
INET Error ellipse: s-maj=12.8km s-min=3.8km az=-1.0.
SNET Error ellipse: s-maj=4.1km s-min=2.5km az=-1.0.
IDC Error ellipse: s-maj=46.8km s-min=16.3km az=44.0.
ISC V 31 16 41 38.0–2.4 12.5N–.10 88.26W–.06 20–7 19 1-2
SNET V 31 16 41 39.3–1.6 12.54N 88.28W 27–9 2.8L **¶612454683**
INET V 31 16 41 40.3–1.4 12.62N 88.14W 10–15 2.7L
ISC Event type ke.
SNET Error ellipse: s-maj=7.7km s-min=7.5km az=-1.0.
INET Error ellipse: s-maj=12.2km s-min=7.2km az=-1.0.
ISC V 31 16 42 42.5–2.9 12.4N–.10 88.23W–.07 12–14 23 1-3
INET V 31 16 42 44.4–.90 12.45N 88.17W 7–6 3.0L **¶612454684**
SNET V 31 16 42 46.1–1.5 12.54N 88.32W 14–18 3.2L
ISC Event type ke.
INET Error ellipse: s-maj=6.1km s-min=4.9km az=-1.0.
SNET Error ellipse: s-maj=9.7km s-min=5.9km az=-1.0.
ISC VI 05 17 44 38.2–1.3 12.79N–.09 88.73W–.06 59–11 3.6b 51 1-138
INET VI 05 17 44 38.7–.49 12.79N 88.72W 22–10 3.9W **¶610791292**
SNET VI 05 17 44 38.9–1.1 12.80N 88.71W 47 4.2L
IDC VI 05 17 44 38.3–2.0 12.77N 88.67W 68–21 3.7,3.2b
ISC Event type ke.
INET Error ellipse: s-maj=3.7km s-min=3.3km az=-1.0.
SNET Error ellipse: s-maj=4.8km s-min=2.7km az=-1.0.
IDC Error ellipse: s-maj=50.5km s-min=12.7km az=40.0.
ISC VI 15 06 44 56.7–1.5 2.2N–.20 84.6W–.20 10 3.6b,3.5s 12 6-91
IDC VI 15 06 44 54.5–1.9 2.20N 84.98W 0 3.7,3.7b **¶610791913**
ISC Event type ke.
IDC Error ellipse: s-maj=77.0km s-min=25.4km az=60.0.
ISC VI 16 04 20 31.7–1.9 12.86N–.06 90.24W–.05 32–12 4.2b 100 1-98
SNET VI 16 04 20 27.7–2.2 12.70N 90.36W 14 4.0L **¶610675497**
NEIC VI 16 04 20 30.5–2.5 12.94N–.08 90.17W–.07 10–2 4.3b
INET VI 16 04 20 33.3–.88 12.83N 90.12W 21–19 3.5W
GCG VI 16 04 20 34.5–.77 13.06N 90.49W 13–16 3.8
IDC VI 16 04 20 39.4–3.0 13.23N 89.68W 90–27 4.0,3.7b
ISC Event type se.
SNET Error ellipse: s-maj=8.9km s-min=13.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=14.6km s-min=9.2km az=216.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
INET Error ellipse: s-maj=7.1km s-min=8.4km az=-1.0.
GCG Error ellipse: s-maj=9.8km s-min=12.0km az=-1.0.
IDC Error ellipse: s-maj=35.9km s-min=17.0km az=54.0.
ISC VI 16 07 47 52.0–2.1 12.57N–.09 88.00W–.05 24–16 24 1-2
SNET VI 16 07 47 53.2–.84 12.61N 88.14W 15–4 3.1L **¶612454860**
INET VI 16 07 47 53.7–.57 12.62N 87.94W 22–5 2.6W
ISC Event type ke.
SNET Error ellipse: s-maj=3.9km s-min=3.4km az=-1.0.
INET Error ellipse: s-maj=3.1km s-min=3.2km az=-1.0.
ISC VI 17 21 32 57.5–1.6 12.82N–.07 88.81W–.04 23–14 60 1-3
SNET VI 17 21 33 00.7–.98 13.00N 88.79W 49–11 3.6L **¶612454877**
INET VI 17 21 33 03.0–.83 12.97N 88.53W 16–7 3.4W
ISC Event type ke.
SNET Error ellipse: s-maj=6.1km s-min=2.7km az=-1.0.
INET Error ellipse: s-maj=3.8km s-min=7.6km az=-1.0.
ISC VI 18 22 16 51.0–.52 12.93N–.05 90.19W–.05 29 4.3b,3.5s 144 1-148
SNET VI 18 22 16 52.8–2.1 12.94N 90.19W 36 4.1L,3.5s **¶610792149**
NEIC VI 18 22 16 53.8–1.9 13.06N–.10 90.12W–.09 45–11 4.4b,3.5s
IDC VI 18 22 16 57.0–2.9 13.45N 89.63W 62–26 4.1,3.7b
ISC Event type se.
SNET Error ellipse: s-maj=11.7km s-min=15.5km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=17.1km s-min=8.5km az=217.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=34.4km s-min=14.2km az=47.0.
ISC VI 20 07 17 02.7–1.2 11.94N–.06 88.81W–.05 47–11 4.3b,3.3s 180 1-149
INET VI 20 07 16 57.8–2.1 11.67N 89.00W 15–25 4.2W,3.3s **¶610681932**
NEIC VI 20 07 17 00.3–2.4 12.02N–.08 88.67W–.07 10–2 4.4b,3.3s
SNET VI 20 07 17 02.0–1.7 12.15N 88.88W 4–17 4.2L,3.3s
IDC VI 20 07 17 06.3–2.7 12.18N 88.51W 70–24 4.1,3.9b
UCR VI 20 07 17 08.9–1.9 11.82N 88.41W 35–999 4.4b,3.9b
ISC Event type se.
INET Error ellipse: s-maj=14.9km s-min=13.5km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=15.7km s-min=9.2km az=218.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SNET Error ellipse: s-maj=12.3km s-min=8.4km az=-1.0.
IDC Error ellipse: s-maj=31.5km s-min=13.5km az=45.0.
UCR Error ellipse: s-maj=461.0km s-min=999.9km az=-1.0.
ISC VI 21 05 31 38.0–2.2 12.9N–.10 89.19W–.05 30–12 45 1-2
SNET VI 21 05 31 39.9–.78 13.06N 89.16W 45 3.5L **¶612454914**
INET VI 21 05 31 39.1–1.2 13.00N 89.14W 15–7 3.3W
ISC Event type ke.
SNET Error ellipse: s-maj=2.9km s-min=1.8km az=-1.0.
INET Error ellipse: s-maj=6.2km s-min=6.3km az=-1.0.
ISC VI 21 09 40 02.0–1.4 12.99N–.06 89.21W–.04 31–11 58 1-7
INET VI 21 09 40 01.5–.86 12.94N 89.19W 20–7 3.7W **¶612454915**
SNET VI 21 09 40 02.1–1.1 13.01N 89.18W 31 3.9L
UCR VI 21 09 40 10.6–.53 14.82N 85.98W 34–999 3.5W
ISC Event type ke.
INET Error ellipse: s-maj=3.2km s-min=3.9km az=-1.0.
SNET Error ellipse: s-maj=3.8km s-min=2.5km az=-1.0.
UCR Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
ISC VI 22 03 52 45.0–2.6 12.4N–.10 89.20W–.09 10 22 1-3
INET VI 22 03 52 47.0–1.4 12.35N 89.18W 15 3.7W **¶612454934**
SNET VI 22 03 52 47.7–.91 12.49N 89.24W 16–8 3.4L
ISC Event type ke.
INET Error ellipse: s-maj=18.9km s-min=4.9km az=-1.0.
SNET Error ellipse: s-maj=7.0km s-min=6.0km az=-1.0.
ISC VI 23 01 27 25.0–1.8 4.6N–.10 83.0W–.20 35 42 2-8
UCR VI 23 01 27 27.7–1.2 4.84N 82.86W 35–345 3.5W **¶615743928**
ISC Event type ke.
UCR Error ellipse: s-maj=205.7km s-min=56.1km az=-1.0.
ISC VI 23 04 20 48.5–1.9 12.32N–.07 88.83W–.07 10 22 1-6

INET VI 23 04 20 47.5–.27 12.14N 88.95W 15–3 3.7W ¶612454946
SNET VI 23 04 20 49.2–1.0 12.35N 88.85W 8–15 2.7L
ISC Event type ke.
INET Error ellipse: s-maj=1.8km s-min=3.7km az=-1.0.
SNET Error ellipse: s-maj=9.9km s-min=5.8km az=-1.0.
ISC VI 23 04 29 41.5–3.1 13.0N–.10 88.77W–.07 35–5 15 0-2
SNET VI 23 04 29 39.1–1.3 12.86N 88.76W 15–7 2.4L ¶612454947
INET VI 23 04 29 40.3–.16 14.06N 88.33W 66–1 2.7
ISC Event type ke.
SNET Error ellipse: s-maj=5.9km s-min=4.4km az=-1.0.
INET Error ellipse: s-maj=0.9km s-min=1.1km az=-1.0.
ISC VI 25 16 48 03.5–2.0 11.92N–.10 88.08W–.07 10 17 1-3
SNET VI 25 16 48 03.0–.77 11.92N 88.06W 9–18 4.2L ¶612454978
INET VI 25 16 48 03.3–.83 11.86N 88.15W 15–12 3.3W
ISC Event type ke.
SNET Error ellipse: s-maj=7.6km s-min=7.4km az=-1.0.
INET Error ellipse: s-maj=6.5km s-min=8.7km az=-1.0.
ISC VI 25 23 22 14.9–2.3 12.5N–.20 88.54W–.07 62–57 17 1-2
INET VI 25 23 22 14.8–.38 12.51N 88.50W 6–4 2.6W ¶612454980
SNET VI 25 23 22 14.4–1.4 12.51N 88.51W 35–999 2.7L
ISC Event type ke.
INET Error ellipse: s-maj=4.4km s-min=4.3km az=-1.0.
SNET Error ellipse: s-maj=19.9km s-min=7.4km az=-1.0.
UCR VI 30 01 41 45.2–2.4 3.02N 85.76W 0–999 3.8W
¶615743939
UCR Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
ISC VI 30 02 57 50.0–2.0 12.6N–.10 88.24W–.06 50 16 1-2
INET VI 30 02 57 48.0–.98 12.54N 88.22W 7–11 3.0W ¶612455010
SNET VI 30 02 57 50.1–.86 12.61N 88.25W 33–3 3.1L
ISC Event type ke.
INET Error ellipse: s-maj=7.7km s-min=7.5km az=-1.0.
SNET Error ellipse: s-maj=5.3km s-min=3.1km az=-1.0.

(77) Off coast of Costa Rica.
ISC I 06 10 58 57.0–1.4 10.41N–.04 86.24W–.06 22–11 65 1-3
UCR I 06 10 58 56.8–1.0 10.44N 86.24W 25–4 4.3W ¶614641200
INET I 06 10 59 00.9–1.4 10.55N 86.12W 60–39 4.0L
ISC Event type ke.
UCR Error ellipse: s-maj=2.6km s-min=3.4km az=-1.0.
INET Error ellipse: s-maj=8.5km s-min=8.7km az=-1.0.
ISC I 16 06 51 53.5–1.6 10.57N–.04 86.38W–.06 9–10 112 1-3
INET I 16 06 51 53.4–1.6 10.48N 86.35W 5–15 3.6W ¶614641305
UCR I 16 06 51 54.6–.98 10.59N 86.38W 15–6 3.7W
ISC Event type ke.
INET Error ellipse: s-maj=20.6km s-min=8.7km az=-1.0.
UCR Error ellipse: s-maj=2.3km s-min=2.6km az=-1.0.
ISC I 22 10 26 22.4–1.7 10.95N–.05 86.83W–.05 30–16 88 1-4
INET I 22 10 26 18.7–.55 10.66N 86.97W 15–4 3.6W ¶612453860
UCR I 22 10 26 23.3–.72 10.87N 86.70W 13–13 4.0W
SNET I 22 10 26 27.0–.89 11.22N 86.97W 87–62 3.7L
ISC Event type ke.
INET Error ellipse: s-maj=5.8km s-min=3.6km az=-1.0.
UCR Error ellipse: s-maj=4.9km s-min=8.9km az=-1.0.
SNET Error ellipse: s-maj=19.8km s-min=6.4km az=-1.0.
ISC I 24 04 34 14.5–2.4 10.93N–.05 87.04W–.09 0–17 67 1-4
UCR I 24 04 34 15.0–.90 10.98N 87.02W 2 3.9W ¶614641428
INET I 24 04 34 19.2–.90 10.93N 86.91W 22–27 3.4W
ISC Event type ke.
UCR Error ellipse: s-maj=6.3km s-min=6.6km az=-1.0.
INET Error ellipse: s-maj=8.9km s-min=6.8km az=-1.0.
ISC I 25 21 13 18.3–1.8 10.02N–.07 86.49W–.06 15–11 3.5b 74 1-56
UCR I 25 21 13 22.2–1.0 10.28N 86.39W 14–7 4.3W ¶610235341
IDC I 25 21 13 24.4–1.8 11.44N 85.27W 0 3.5,3.5b
INET I 25 21 13 33.2–.72 10.91N 86.22W 21–13 3.6L,3.5b
ISC Event type ke.
UCR Error ellipse: s-maj=4.0km s-min=4.2km az=-1.0.
IDC Error ellipse: s-maj=115.3km s-min=11.3km az=70.0.
INET Error ellipse: s-maj=9.3km s-min=6.2km az=-1.0.
ISC I 28 06 01 13.0–1.4 8.96N–.05 84.04W–.05 26–10 37 0-2
UPA I 28 06 01 11.7–1.8 8.83N 84.04W 0–25 3.6W ¶612509799
UCR I 28 06 01 13.6–1.1 8.95N 84.00W 22–13 3.7W
ISC Event type ke.
UPA Error ellipse: s-maj=17.6km s-min=35.0km az=-1.0.
UCR Error ellipse: s-maj=4.3km s-min=4.9km az=-1.0.
ISC I 30 16 20 54.6–1.2 10.79N–.05 86.45W–.05 16–6 4.6b,3.7s 161 1-150
NEIC I 30 16 20 55.3–1.6 10.80N–.03 86.42W–.05 10–1 4.7b,3.7s ¶610148029
INET I 30 16 20 56.2–1.3 10.60N 86.61W 21–32 4.2W,3.7s
SNET I 30 16 20 59.1–.77 10.95N 86.73W 10 3.9L,3.7s
IDC I 30 16 20 59.4–2.0 11.00N 86.21W 49–18 4.1,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=2.9km az=238.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
INET Error ellipse: s-maj=6.7km s-min=7.8km az=-1.0.
SNET Error ellipse: s-maj=6.5km s-min=8.1km az=-1.0.
IDC Error ellipse: s-maj=32.3km s-min=14.8km az=44.0.
ISC I 30 19 31 00.5–1.1 10.70N–.05 86.52W–.05 14–7 4.3b,3.4s 110 1-151
INET I 30 19 30 59.9–.64 10.51N 86.66W 15 4.1W,3.4s ¶610235756
IDC I 30 19 30 59.8–.76 11.33N 85.96W 0 3.8,3.8b
NEIC I 30 19 31 00.9–1.9 10.75N–.06 86.45W–.07 10–1 4.5b,3.8b
UCR I 30 19 31 01.0–.51 10.62N 86.54W 15–45 4.6W,4.5b
ISC Event type se.
INET Error ellipse: s-maj=6.8km s-min=2.2km az=-1.0.
IDC Error ellipse: s-maj=60.2km s-min=13.7km az=51.0.
NEIC Event type se. Error ellipse: s-maj=14.1km s-min=6.9km az=229.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
UCR Error ellipse: s-maj=6.8km s-min=28.8km az=-1.0.
UCR II 02 21 32 10.0–1.9 9.09N 85.50W 24–5 3.6W
¶615490857
UCR Error ellipse: s-maj=5.7km s-min=7.3km az=-1.0.
ISC II 03 20 21 23.9–1.7 10.79N–.05 86.73W–.06 9–10 3.5b 67 1-139
INET II 03 20 21 21.0–1.4 10.54N 86.93W 15–14 3.6W ¶610414762
IDC II 03 20 21 23.9–1.6 11.31N 86.33W 0 3.6,3.6b
UCR II 03 20 21 25.9–2.8 10.71N 86.61W 6–22 3.9W,3.6b
ISC Event type ke.
INET Error ellipse: s-maj=10.1km s-min=9.1km az=-1.0.
IDC Error ellipse: s-maj=146.2km s-min=17.0km az=45.0.
UCR Error ellipse: s-maj=11.1km s-min=20.5km az=-1.0.
ISC III 08 22 50 02.7–1.5 8.93N–.05 84.01W–.05 3–12 45 0-2
UCR III 08 22 50 02.0–1.4 8.87N 84.06W 3–12 3.5W ¶612728075
UPA III 08 22 50 03.5–1.8 9.01N 83.94W 0–8 3.5W
ISC Event type ke.
UCR Error ellipse: s-maj=5.7km s-min=4.9km az=-1.0.
UPA Error ellipse: s-maj=12.2km s-min=11.1km az=-1.0.
ISC III 17 10 32 09.2–.40 10.42N–.03 86.25W–.03 18–1 4.9b,4.0s 743 1-151
UPA III 17 10 31 54.1–15 11.29N 87.08W 0–524 4.9W,4.0s ¶610331623
IDC III 17 10 32 07.2–.53 10.83N 85.69W 0 4.4,4.4b
INET III 17 10 32 09.3–1.0 10.28N 86.27W 10–6 4.8W,4.4b
UCR III 17 10 32 09.4–1.6 10.30N 86.27W 16–5 5.2W,4.8b
NEIC III 17 10 32 12.8–1.9 10.47N–.06 86.07W–.05 41–7 4.8b,4.8b
SNET III 17 10 32 14.7–.83 10.55N 86.41W 35–559 4.2L,4.8b
GCMT III 17 10 32 17.5–.50 10.35N–.03 86.43W–.04 29–1 4.9W,4.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s26,c29; s64,c76;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}2.04±.24 $M_{\theta\theta}$-1.84±.15; $M_{\phi\phi}$-0.19±.14; $M_{r\theta}$0.82±.18; $M_{\theta\phi}$1.52±.10; $M_{\phi r}$-1.42±.20; Best double couple: NP1:ϕ_s140.00000°,δ64.00000°,λ112.00000°. NP2:ϕ_s278.00000°,δ34.00000°,λ54.00000°. Principal axes: T 2.7310,Plg65.0000°,Azm87.0000°; N 0.4280,Plg19.0000°,Azm310.0000°; P -3.1550,Plg16.0000°,Azm214.0000°
$M_0$2.94300×10^{16}
ISC III 17 14 39 59.1–1.6 10.38N–.04 86.30W–.05 24–11 4.4b,3.5s 130 1-151
UCR III 17 14 39 58.4–2.0 10.39N 86.24W 0–9 4.8W,4.5b ¶610546391
INET III 17 14 40 01.3–1.9 10.37N 86.20W 19–29 4.2W,4.5b
NEIC III 17 14 40 03.1–2.8 10.56N–.08 86.18W–.08 31–10 4.5b,4.5b
IDC III 17 14 40 04.8–1.6 11.05N 85.43W 50–18 4.1,3.8b
ISC Event type se.
UCR Error ellipse: s-maj=6.4km s-min=14.6km az=-1.0.
INET Error ellipse: s-maj=12.0km s-min=8.7km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=14.8km s-min=6.6km az=49.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=37.5km s-min=19.7km az=54.0.
ISC III 17 23 25 07.0–2.1 10.22N–.06 86.28W–.07 18–6 60 1-3
INET III 17 23 25 01.2–2.0 9.73N 86.40W 15–36 3.5L ¶614641817
UCR III 17 23 25 06.9–3.0 10.40N 86.35W 5 4.1W
ISC Event type ke.
INET Error ellipse: s-maj=29.0km s-min=17.0km az=-1.0.
UCR Error ellipse: s-maj=8.2km s-min=7.9km az=-1.0.
ISC III 17 23 37 30.8–2.2 10.18N–.07 86.31W–.08 14–11 57 1-3
INET III 17 23 37 23.5–.43 9.50N 86.32W 15–3 3.8L ¶614641818
UCR III 17 23 37 32.7–1.5 10.34N 86.34W 16–7 4.2W
ISC Event type ke.
INET Error ellipse: s-maj=3.1km s-min=4.9km az=-1.0.
UCR Error ellipse: s-maj=4.9km s-min=5.2km az=-1.0.
ISC III 18 09 59 13.6–1.8 10.31N–.06 86.24W–.07 24–13 50 1-3
INET III 18 09 59 11.6–.85 10.16N 86.28W 15–18 3.2W ¶614641821
UCR III 18 09 59 12.9–1.3 10.36N 86.19W 0–10 3.8W
ISC Event type ke.
INET Error ellipse: s-maj=14.0km s-min=5.8km az=-1.0.
UCR Error ellipse: s-maj=5.3km s-min=17.2km az=-1.0.
UCR III 26 21 46 44.2–1.6 9.87N 85.20W 17–9 3.5W
¶615491642
UCR Error ellipse: s-maj=1.7km s-min=2.0km az=-1.0.
ISC IV 15 00 43 07.8–1.5 10.37N–.05 86.37W–.05 15–9 3.5b 77 1-56
UCR IV 15 00 43 08.1–1.2 10.36N 86.40W 11–27 4.0W ¶610652766
IDC IV 15 00 43 09.9–1.3 11.16N 85.98W 0 3.5,3.5b
INET IV 15 00 43 11.3–1.0 10.41N 86.27W 15–23 3.4W,3.5b
ISC Event type ke.
UCR Error ellipse: s-maj=4.2km s-min=15.1km az=-1.0.
IDC Error ellipse: s-maj=40.7km s-min=12.3km az=47.0.
INET Error ellipse: s-maj=19.7km s-min=7.7km az=-1.0.
ISC IV 17 11 23 20.2–1.7 10.37N–.05 86.27W–.04 3–10 3.5b 71 1-151
IDC IV 17 11 23 21.1–1.4 11.52N 84.72W 0 3.7,3.7b ¶610652925
UCR IV 17 11 23 21.0–.72 10.31N 86.33W 14–7 4.6W,3.7b
INET IV 17 11 23 24.7–.64 10.41N 86.20W 15 3.6W,3.7b
ISC Event type se.
IDC Error ellipse: s-maj=57.6km s-min=11.9km az=91.0.
UCR Error ellipse: s-maj=5.9km s-min=3.7km az=-1.0.
INET Error ellipse: s-maj=16.4km s-min=2.1km az=-1.0.
ISC IV 20 00 36 30.3–2.5 10.63N–.06 86.84W–.05 11–16 3.3b 75 1-56
UCR IV 20 00 36 30.8–.44 10.55N 86.80W 13–2 3.5W ¶610653085
IDC IV 20 00 36 31.2–1.4 11.36N 86.17W 0 3.7L,3.5
INET IV 20 00 36 31.1–.77 10.54N 86.92W 15–7 3.4W,3.5
SNET IV 20 00 36 37.1–.71 10.97N 87.06W 18–336 3.5L,3.5
ISC Event type ke.
UCR Error ellipse: s-maj=4.6km s-min=2.6km az=-1.0.
IDC Error ellipse: s-maj=80.8km s-min=12.0km az=44.0.
INET Error ellipse: s-maj=7.6km s-min=6.2km az=-1.0.
SNET Error ellipse: s-maj=197.3km s-min=63.2km az=-1.0.
ISC IV 20 05 52 22.1–1.1 8.97N–.03 84.11W–.03 16–8 171 0-2
UPA IV 20 05 52 21.9–1.6 8.93N 84.18W 15–15 3.7W ¶612701928
UCR IV 20 05 52 22.6–.95 8.98N 84.11W 25–1 3.8W
INET IV 20 05 52 23.7–1.9 9.09N 84.06W 2–18 3.4L
ISC Event type ke.
UPA Error ellipse: s-maj=6.9km s-min=10.3km az=-1.0.
UCR Error ellipse: s-maj=1.3km s-min=1.4km az=-1.0.
INET Error ellipse: s-maj=10.8km s-min=5.2km az=-1.0.
ISC IV 24 03 24 02.8–1.2 10.90N–.04 86.50W–.04 26–8 4.9b,4.1s 719 1-150
IDC IV 24 03 24 00.4–.48 11.48N 85.87W 0 4.5,4.5L ¶610547647
UCR IV 24 03 24 02.5–1.3 10.81N 86.55W 22–4 5.0b,5.0W
NEIC IV 24 03 24 02.5–2.3 10.87N–.05 86.45W–.03 19–3 5.0b,5.0W
INET IV 24 03 24 04.1–1.8 10.87N 86.38W 10 5.0L,5.0W
SNET IV 24 03 24 07.0–1.3 10.99N 86.35W 52–999 4.8L,5.0W
ISC Event type se.
IDC Error ellipse: s-maj=28.9km s-min=8.8km az=56.0.
UCR Error ellipse: s-maj=5.4km s-min=5.0km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=7.9km s-min=2.1km az=212.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
INET Error ellipse: s-maj=11.3km s-min=5.7km az=-1.0.
SNET Error ellipse: s-maj=148.5km s-min=62.1km az=-1.0.
ISC IV 24 04 35 18.7–1.7 10.84N–.04 86.54W–.06 9–10 67 1-3
UCR IV 24 04 35 19.1–2.9 10.82N 86.56W 12–51 3.6W ¶614644449
INET IV 24 04 35 20.5–1.4 10.82N 86.46W 11–16 3.1L
ISC Event type ke.
UCR Error ellipse: s-maj=13.8km s-min=26.2km az=-1.0.
INET Error ellipse: s-maj=11.0km s-min=8.1km az=-1.0.
ISC IV 29 20 14 32.2–.87 9.75N–.03 85.01W–.02 17–6 111 0-2
UCR IV 29 20 14 32.6–1.1 9.75N 85.04W 17–4 3.7W ¶614644923
INET IV 29 20 14 32.1–.88 9.74N 85.01W 4–2 3.2
ISC Event type ke.
UCR Error ellipse: s-maj=1.4km s-min=1.4km az=-1.0.
INET Error ellipse: s-maj=3.4km s-min=2.0km az=-1.0.
ISC V 03 00 21 35.7–1.9 8.69N–.06 84.47W–.05 8–11 49 1-2
UCR V 03 00 21 35.8–1.7 8.65N 84.50W 8–7 3.6W ¶613505823
UPA V 03 00 21 35.5–.84 8.67N 84.52W 10–85 3.6W
ISC Event type ke.
UCR Error ellipse: s-maj=4.5km s-min=3.6km az=-1.0.
UPA Error ellipse: s-maj=40.1km s-min=66.2km az=-1.0.
ISC V 03 06 42 03.4–1.5 10.42N–.03 86.21W–.04 10–10 3.3b 132 1-56
INET V 03 06 42 02.9–1.6 10.21N 86.22W 15–22 3.6W ¶610689451
UCR V 03 06 42 03.6–1.4 10.42N 86.21W 3–6 4.1W
IDC V 03 06 42 04.1–2.3 11.48N 85.12W 0 3.4,3.4b
ISC Event type ke.
INET Error ellipse: s-maj=16.0km s-min=9.0km az=-1.0.
UCR Error ellipse: s-maj=2.6km s-min=5.2km az=-1.0.
IDC Error ellipse: s-maj=110.4km s-min=11.3km az=75.0.
ISC V 03 06 42 48.5–1.6 10.33N–.05 86.25W–.04 13–11 3.6b 56 1-68
SNET V 03 06 42 35.0–1.2 9.80N 86.07W 35–999 4.1L ¶610689454
IDC V 03 06 42 50.7–.90 11.38N 85.43W 0 3.7,3.7b
UCR V 03 06 42 50.9–1.8 10.36N 86.23W 15 4.3W,3.7b
ISC Event type ke.
SNET Error ellipse: s-maj=345.4km s-min=157.3km az=-1.0.
IDC Error ellipse: s-maj=50.6km s-min=10.9km az=65.0.
UCR Error ellipse: s-maj=4.1km s-min=5.3km az=-1.0.
ISC V 03 09 13 29.8–2.3 10.3N–.10 86.56W–.07 10–11 44 1-3
INET V 03 09 13 30.0–2.1 10.18N 86.57W 15–24 3.4W,3.1L ¶614645307
UCR V 03 09 13 34.7–1.4 10.64N 86.47W 18–6 3.9W,3.1L
ISC Event type ke.
INET Error ellipse: s-maj=17.6km s-min=12.3km az=-1.0.
UCR Error ellipse: s-maj=13.0km s-min=5.3km az=-1.0.
ISC V 04 09 05 20.7–1.6 8.64N–.05 84.51W–.04 5–11 86 1-2
UPA V 04 09 05 21.6–.43 8.10N 84.59W 26–13 2.9W ¶613505830
UCR V 04 09 05 23.4–1.7 8.69N 84.49W 6–7 4.0W
ISC Event type ke.
UPA Error ellipse: s-maj=8.6km s-min=6.3km az=-1.0.
UCR Error ellipse: s-maj=3.5km s-min=2.7km az=-1.0.
ISC V 04 17 18 50.0–1.6 8.77N–.05 84.45W–.04 2–10 3.4b,3.4s 80 1-85
UCR V 04 17 18 50.4–1.3 8.65N 84.51W 6–6 4.6W,3.4s ¶610689559
UPA V 04 17 18 51.1–.70 8.74N 84.50W 10–18 4.3W,3.4s

IDC V 04 17 18 53.7–4.1 9.06N 84.80W 0 3.5,3.5b
ISC Event type ke.
UCR Error ellipse: s-maj=4.6km s-min=3.1km az=-1.0.
UPA Error ellipse: s-maj=11.6km s-min=12.5km az=-1.0.
IDC Error ellipse: s-maj=134.9km s-min=37.3km az=94.0.
ISC V 18 08 59 13.4–1.5 10.86N–.04 86.66W–.06 17–10 83 1-3
UCR V 18 08 59 16.6–1.5 10.87N 86.51W 5 3.5W **¶614646950**
INET V 18 08 59 18.5–1.2 10.83N 86.45W 6 3.1W
ISC Event type ke.
UCR Error ellipse: s-maj=4.6km s-min=3.2km az=-1.0.
INET Error ellipse: s-maj=7.3km s-min=6.9km az=-1.0.
ISC V 21 19 58 46.5–1.2 8.87N–.03 84.07W–.03 15–9 96 0-3
INET V 21 19 58 46.6–1.0 8.85N 83.97W 15–15 2.4L **¶612702026**
UPA V 21 19 58 46.5–1.9 8.84N 84.16W 10–22 4.9W
UCR V 21 19 58 47.3–1.8 8.93N 84.02W 0–4 4.0W
ISC Event type ke.
INET Error ellipse: s-maj=11.5km s-min=4.5km az=-1.0.
UPA Error ellipse: s-maj=11.3km s-min=18.2km az=-1.0.
UCR Error ellipse: s-maj=4.2km s-min=3.1km az=-1.0.
ISC V 23 13 50 28.3–1.7 10.75N–.05 86.82W–.05 16–10 4.3b,3.1s 148 1-150
IDC V 23 13 50 25.6–.98 10.82N 86.49W 0 3.8,3.7b **¶610685223**
NEIC V 23 13 50 28.2–1.4 10.70N–.08 86.80W–.08 10–2 4.5b,3.7b
UCR V 23 13 50 29.2–1.6 10.81N 86.97W 35–306 4.5b,3.9W
INET V 23 13 50 30.0–.82 10.63N 86.91W 15–9 3.7W,3.9W
SNET V 23 13 50 33.3–.67 15.12N 85.94W 35–191 4.2L,3.9W
ISC Event type se.
IDC Error ellipse: s-maj=36.0km s-min=21.3km az=53.0.
NEIC Event type se. Error ellipse: s-maj=16.6km s-min=10.1km az=226.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
UCR Error ellipse: s-maj=41.5km s-min=191.4km az=-1.0.
INET Error ellipse: s-maj=6.6km s-min=4.7km az=-1.0.
SNET Error ellipse: s-maj=69.6km s-min=101.5km az=-1.0.
ISC V 27 11 49 08.6–2.5 10.39N–.08 86.27W–.09 10–11 33 1-2
INET V 27 11 48 58.5–.73 9.71N 86.31W 10–1 3.5W **¶614648285**
UCR V 27 11 49 05.8–.85 10.35N 86.37W 5 4.0W
ISC Event type ke.
INET Error ellipse: s-maj=7.0km s-min=11.5km az=-1.0.
UCR Error ellipse: s-maj=6.8km s-min=4.0km az=-1.0.
ISC V 30 02 51 47.0–1.3 9.94N–.04 85.67W–.06 18–3 87 0-3
UCR V 30 02 51 46.9–1.3 9.94N 85.70W 16–4 3.6W **¶614648638**
INET V 30 02 51 46.8–.85 9.92N 85.64W 6–8 2.8W
ISC Event type ke.
UCR Error ellipse: s-maj=1.8km s-min=2.8km az=-1.0.
INET Error ellipse: s-maj=3.2km s-min=4.7km az=-1.0.
ISC V 31 08 12 51.1–1.7 10.90N–.04 86.78W–.05 8–11 4.4b 162 1-150
IDC V 31 08 12 51.9–.82 11.49N 86.24W 0 3.9,3.9b **¶610685781**
NEIC V 31 08 12 51.8–2.1 10.91N–.06 86.76W–.03 8–6 4.4b,3.9b
INET V 31 08 12 52.8–.79 10.85N 86.84W 14–9 3.7W,3.9b
UCR V 31 08 12 56.0–2.1 10.74N 86.59W 5 4.5W,4.4b
ISC Event type se.
IDC Error ellipse: s-maj=42.0km s-min=12.9km az=55.0.
NEIC Event type se. Error ellipse: s-maj=8.5km s-min=3.8km az=200.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
INET Error ellipse: s-maj=4.9km s-min=4.6km az=-1.0.
UCR Error ellipse: s-maj=7.1km s-min=7.1km az=-1.0.
ISC VI 02 06 57 49.5–1.4 10.94N–.06 86.65W–.07 10 36 1-3
INET VI 02 06 57 51.6–.57 10.92N 86.62W 18–10 3.1L **¶614648935**
UCR VI 02 06 57 52.2–1.5 10.87N 86.55W 7–32 3.6W
ISC Event type ke.
INET Error ellipse: s-maj=7.0km s-min=3.8km az=-1.0.
UCR Error ellipse: s-maj=9.1km s-min=16.5km az=-1.0.
ISC VI 05 21 30 18.5–1.3 10.67N–.05 86.33W–.06 23 47 1-3
UCR VI 05 21 30 15.9–.87 10.71N 86.44W 2–6 3.9W **¶614649157**
INET VI 05 21 30 16.8–.84 10.54N 86.34W 12 3.3W
ISC Event type ke.
UCR Error ellipse: s-maj=3.1km s-min=5.6km az=-1.0.
INET Error ellipse: s-maj=7.0km s-min=4.8km az=-1.0.
ISC VI 07 19 54 49.2–2.2 10.84N–.08 86.54W–.09 13–10 48 1-3
UCR VI 07 19 54 49.9–1.1 10.71N 86.51W 5 3.9W **¶614649397**
INET VI 07 19 54 49.8–.96 10.76N 86.51W 15–12 3.4W
ISC Event type ke.
UCR Error ellipse: s-maj=14.6km s-min=3.1km az=-1.0.
INET Error ellipse: s-maj=10.4km s-min=5.2km az=-1.0.
UCR VI 14 05 12 53.9–1.5 9.69N 85.86W 10–5 3.6W
¶615743923
UCR Error ellipse: s-maj=2.8km s-min=4.4km az=-1.0.
ISC VI 21 19 37 14.0–1.4 9.76N–.05 85.60W–.05 17–6 88 0-2
UCR VI 21 19 37 13.8–1.2 9.73N 85.63W 15–6 3.6W **¶614650684**
INET VI 21 19 37 14.3–1.0 9.77N 85.56W 8–8 2.5L,2.0W
ISC Event type ke.
UCR Error ellipse: s-maj=2.1km s-min=2.7km az=-1.0.
INET Error ellipse: s-maj=4.1km s-min=5.0km az=-1.0.
ISC VI 25 05 16 08.2–2.4 10.36N–.06 86.4W–.10 1–14 68 1-3
UCR VI 25 05 16 10.7–1.3 10.37N 86.28W 0–7 4.2W **¶614651090**
INET VI 25 05 16 12.9–1.6 10.36N 86.30W 19–19 3.1W
ISC Event type ke.
UCR Error ellipse: s-maj=3.4km s-min=11.5km az=-1.0.
INET Error ellipse: s-maj=6.8km s-min=8.5km az=-1.0.
ISC VI 28 06 52 42.7–1.6 10.97N–.06 86.87W–.06 28–14 73 1-15
UCR VI 28 06 52 43.4–2.5 10.94N 86.83W 26–25 4.0W **¶612524600**
SNET VI 28 06 52 47.2–.63 11.15N 87.12W 24–252 3.1L
ISC Event type ke.
UCR Error ellipse: s-maj=10.0km s-min=13.5km az=-1.0.
SNET Error ellipse: s-maj=137.9km s-min=82.1km az=-1.0.
ISC VI 28 18 32 30.0–1.1 10.42N–.04 86.26W–.03 18–4 4.8b 470 1-151
UCR VI 28 18 32 28.8–2.0 10.39N 86.29W 0–6 4.7b,4.7W **¶610699026**
INET VI 28 18 32 28.2–1.1 10.14N 86.32W 15–24 4.1W,4.7W
IDC VI 28 18 32 29.6–.81 10.99N 85.99W 0 4.3,4.3b
NEIC VI 28 18 32 33.0–1.9 10.43N–.06 86.11W–.06 41–10 4.7b,4.3b
SNET VI 28 18 32 34.4–.91 10.75N 86.23W 133–66 4.3L,4.3b
ISC Event type se.
UCR Error ellipse: s-maj=5.0km s-min=10.0km az=-1.0.
INET Error ellipse: s-maj=16.1km s-min=7.9km az=-1.0.
IDC Error ellipse: s-maj=31.0km s-min=10.2km az=45.0.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=7.0km az=218.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SNET Error ellipse: s-maj=31.9km s-min=13.5km az=-1.0.

(78) Costa Rica.

ISC I 02 08 58 35.0–.94 9.76N–.04 83.86W–.04 9–7 19 0-2
INET I 02 08 58 33.7–1.5 9.75N 83.79W 2–9 2.6W **¶612453721**
UPA I 02 08 58 35.0–.76 9.80N 83.87W 3–3 3.8W
ISC Event type ke.
INET Error ellipse: s-maj=4.1km s-min=6.2km az=-1.0.
UPA Error ellipse: s-maj=2.8km s-min=1.8km az=-1.0.
ISC I 03 21 36 11.9–1.1 9.48N–.03 84.31W–.02 34–2 120 0-2
UCR I 03 21 36 11.5–1.8 9.47N 84.30W 42–4 3.7W **¶612453733**
INET I 03 21 36 11.4–1.2 9.48N 84.26W 32–23 3.6L
UPA I 03 21 36 11.4–.87 9.47N 84.31W 24–9 3.7W
ISC Event type ke.
UCR Error ellipse: s-maj=4.3km s-min=2.7km az=-1.0.
INET Error ellipse: s-maj=6.3km s-min=2.5km az=-1.0.
UPA Error ellipse: s-maj=3.3km s-min=3.2km az=-1.0.
ISC I 04 09 17 13.4–1.5 8.66N–.05 83.95W–.04 14–11 63 1-4
INET I 04 09 17 14.6 8.74N 83.96W 4 3.3W,3.3W **¶612453740**
UPA I 04 09 17 15.4–1.6 8.61N 84.08W 31–41 3.5W,3.3W
UCR I 04 09 17 16.2–1.3 8.81N 83.90W 5 3.6W,3.3W
ISC Event type ke.
UPA Error ellipse: s-maj=7.4km s-min=6.5km az=-1.0.
UCR Error ellipse: s-maj=3.3km s-min=2.5km az=-1.0.
ISC I 04 19 14 24.2–1.2 9.81N–.03 84.15W–.03 60–5 135 0-3
INET I 04 19 14 23.2–.85 9.82N 84.08W 61–4 2.9W **¶612453744**
UCR I 04 19 14 23.1–1.0 9.84N 84.14W 66–2 3.9W
UPA I 04 19 14 23.1–2.0 9.56N 84.29W 17–10 3.9W
ISC Event type ke.
INET Error ellipse: s-maj=2.9km s-min=2.8km az=-1.0.
UCR Error ellipse: s-maj=2.3km s-min=1.9km az=-1.0.
UPA Error ellipse: s-maj=8.6km s-min=7.2km az=-1.0.
ISC I 05 01 55 09.4–1.5 8.05N–.05 83.00W–.03 7–10 73 0-4
UCR I 05 01 55 14.6–.88 8.29N 82.71W 15–6 4.4W **¶612509453**
UPA I 05 01 55 17.3–1.5 8.40N 82.78W 10–5 3.7W
ISC Event type ke.
UCR Error ellipse: s-maj=5.6km s-min=6.0km az=-1.0.
UPA Error ellipse: s-maj=5.1km s-min=4.6km az=-1.0.
ISC I 06 15 09 27.7–1.8 8.40N–.07 83.77W–.04 8–10 53 0-3
UPA I 06 15 09 28.5–1.1 8.44N 83.68W 0–8 3.8W **¶612509459**
UCR I 06 15 09 29.1–.80 8.44N 83.75W 9–11 4.0W
ISC Event type ke.
UPA Error ellipse: s-maj=8.6km s-min=7.1km az=-1.0.
UCR Error ellipse: s-maj=4.7km s-min=4.2km az=-1.0.
ISC I 14 17 54 04.7–.97 9.42N–.03 83.55W–.03 33–3 52 0-2
UCR I 14 17 54 04.4–1.1 9.45N 83.54W 38–4 3.8W **¶612509491**
UPA I 14 17 54 04.5–.68 9.40N 83.56W 20–4 3.2W
ISC Event type ke.
UCR Error ellipse: s-maj=2.8km s-min=3.7km az=-1.0.
UPA Error ellipse: s-maj=2.2km s-min=2.2km az=-1.0.
ISC I 16 02 41 11.5–1.1 9.41N–.05 84.29W–.03 32–9 66 0-2
INET I 16 02 41 11.7–.50 9.47N 84.24W 6–4 2.7W **¶614641304**
UCR I 16 02 41 11.4–1.2 9.45N 84.28W 40–5 3.5W
ISC Event type ke.
INET Error ellipse: s-maj=4.0km s-min=1.2km az=-1.0.
UCR Error ellipse: s-maj=3.4km s-min=2.6km az=-1.0.
ISC I 21 04 54 24.2–.86 8.41N–.04 83.07W–.03 29–6 3.7b 141 0-71
UPA I 21 04 54 22.3–.67 8.39N 83.07W 10–4 4.2W **¶610234976**
UCR I 21 04 54 23.3–.80 8.40N 83.06W 28–2 4.7W
IDC I 21 04 54 23.9–3.1 9.30N 82.60W 0 3.8,3.8b
INET I 21 04 54 25.1–3.0 8.60N 83.07W 6–8 4.5W,3.8b
ISC Event type ke.
UPA Error ellipse: s-maj=2.9km s-min=2.5km az=-1.0.
UCR Error ellipse: s-maj=3.3km s-min=2.3km az=-1.0.
IDC Error ellipse: s-maj=109.8km s-min=34.0km az=35.0.
INET Error ellipse: s-maj=25.0km s-min=17.3km az=-1.0.
ISC I 21 06 56 51.7–1.7 8.40N–.08 83.07W–.03 16–10 66 0-3
UCR I 21 06 56 51.6–.74 8.32N 83.07W 19–3 3.6W **¶612453849**
UPA I 21 06 56 51.7–.49 8.43N 83.04W 4–4 3.5W
INET I 21 06 56 52.2 8.41N 83.12W 4 3.5W
ISC Event type ke.
UCR Error ellipse: s-maj=5.9km s-min=3.1km az=-1.0.
UPA Error ellipse: s-maj=3.2km s-min=3.1km az=-1.0.
ISC I 22 01 04 51.7–.82 10.01N–.02 84.21W–.02 13–4 82 0-3
INET I 22 01 04 51.7–1.1 9.97N 84.17W 8–13 2.6W **¶612453858**
UCR I 22 01 04 51.9–.91 10.03N 84.21W 6–2 3.5W
UPA I 22 01 04 52.7–.61 9.07N 84.63W 0–7 3.6W
ISC Event type ke.
INET Error ellipse: s-maj=6.2km s-min=3.0km az=-1.0.
UCR Error ellipse: s-maj=0.9km s-min=0.8km az=-1.0.
UPA Error ellipse: s-maj=9.6km s-min=9.7km az=-1.0.
ISC I 23 01 48 01.0–2.6 8.0N–.10 83.04W–.05 14–11 37 0-3
UPA I 23 01 48 04.7–1.3 8.25N 83.03W 4–9 3.6W,3.6L **¶612509719**
UCR I 23 01 48 04.6–.67 8.14N 83.01W 14–7 3.6W,3.6L
ISC Event type ke.
UPA Error ellipse: s-maj=8.5km s-min=3.6km az=-1.0.
UCR Error ellipse: s-maj=3.6km s-min=3.6km az=-1.0.
ISC I 23 17 59 25.0–1.3 10.60N–.03 85.91W–.04 15–9 98 0-2
UCR I 23 17 59 25.4–.84 10.61N 85.90W 25–2 3.9W **¶614641417**
INET I 23 17 59 25.3–.80 10.62N 85.88W 4–8 3.4W
ISC Event type ke.
UCR Error ellipse: s-maj=1.7km s-min=1.9km az=-1.0.
INET Error ellipse: s-maj=2.0km s-min=3.5km az=-1.0.
ISC II 14 00 19 46.2–1.1 9.15N–.03 84.09W–.03 17–9 114 0-3
INET II 14 00 19 46.6–.66 9.20N 84.08W 2–46 2.8W **¶614641627**
UCR II 14 00 19 47.3–1.5 9.18N 84.06W 29–2 3.7W
ISC Event type ke.
INET Error ellipse: s-maj=7.5km s-min=2.8km az=-1.0.
UCR Error ellipse: s-maj=2.2km s-min=2.3km az=-1.0.
ISC II 14 23 42 11.6–1.6 10.15N–.05 84.10W–.05 88–9 117 0-2
UCR II 14 23 42 10.7–1.2 10.15N 84.10W 92–3 3.7W **¶614641629**
INET II 14 23 42 10.2–1.2 10.22N 84.02W 90–11 3.7L
ISC Event type ke.
UCR Error ellipse: s-maj=3.1km s-min=2.5km az=-1.0.
INET Error ellipse: s-maj=7.3km s-min=4.1km az=-1.0.
ISC II 25 12 56 44.7–.92 9.60N–.06 83.73W–.07 12–7 14 0-1
INET II 25 12 56 43.8–.93 9.58N 83.74W 6–6 2.9L **¶612454024**
UPA II 25 12 56 45.6–.32 9.67N 83.73W 17–3 3.1W
ISC Event type ke.
INET Error ellipse: s-maj=3.2km s-min=6.3km az=-1.0.
UPA Error ellipse: s-maj=2.2km s-min=1.9km az=-1.0.
ISC II 28 05 54 16.6–.90 9.76N–.05 83.92W–.03 7–6 30 0-3
INET II 28 05 54 15.4–1.2 9.73N 83.87W 1–6 3.1W **¶612454044**
UPA II 28 05 54 17.2–.83 9.77N 83.95W 8–4 4.1W
ISC Event type ke.
INET Error ellipse: s-maj=2.7km s-min=3.7km az=-1.0.
UPA Error ellipse: s-maj=2.4km s-min=2.0km az=-1.0.
ISC II 28 09 46 47.6–1.4 10.04N–.06 83.71W–.03 14–11 29 0-2
INET II 28 09 46 48.5–1.1 9.93N 83.71W 2–5 2.7W **¶612454045**
UPA II 28 09 46 49.4–.80 10.07N 83.77W 17–3 3.3W
ISC Event type ke.
INET Error ellipse: s-maj=3.3km s-min=4.2km az=-1.0.
UPA Error ellipse: s-maj=6.2km s-min=3.4km az=-1.0.
ISC III 04 22 58 39.4–2.1 10.41N–.07 84.11W–.06 119–13 53 0-2
INET III 04 22 58 41.2–1.7 10.55N 84.02W 81–24 3.0W **¶614641797**
UCR III 04 22 58 41.1–1.3 10.31N 84.15W 108–6 3.5W
ISC Event type ke.
INET Error ellipse: s-maj=9.1km s-min=7.0km az=-1.0.
UCR Error ellipse: s-maj=6.5km s-min=5.1km az=-1.0.
ISC III 15 08 05 38.8–1.0 9.49N–.07 83.79W–.06 28–6 24 0-1
UPA III 15 08 05 38.0–1.0 9.45N 83.81W 8–5 2.9W **¶612701784**
INET III 15 08 05 39.1–.24 9.52N 83.79W 17–0 2.4L
ISC Event type ke.
UPA Error ellipse: s-maj=5.2km s-min=4.6km az=-1.0.
INET Error ellipse: s-maj=0.8km s-min=1.5km az=-1.0.
UCR III 16 13 57 06.9–1.4 9.63N 84.89W 17–5 3.7W
¶615491625
UCR Error ellipse: s-maj=2.6km s-min=1.9km az=-1.0.
UCR III 16 17 26 57.9–1.6 9.57N 84.86W 17–8 3.6W
¶615491626
UCR Error ellipse: s-maj=3.4km s-min=2.5km az=-1.0.
ISC IV 02 13 07 39.7–.94 8.69N–.03 83.43W–.02 26–6 153 0-3
UPA IV 02 13 07 39.5–1.9 8.69N 83.41W 16–7 4.3W,4.3L **¶612701859**
UCR IV 02 13 07 39.3–.92 8.68N 83.43W 28–2 4.3W,4.3L
INET IV 02 13 07 43.7–.74 8.96N 83.66W 15–8 3.2W,4.3L
ISC Event type ke.
UPA Error ellipse: s-maj=5.6km s-min=4.6km az=-1.0.
UCR Error ellipse: s-maj=2.0km s-min=2.1km az=-1.0.
INET Error ellipse: s-maj=13.5km s-min=12.2km az=-1.0.
ISC IV 06 00 13 53.7–.82 9.49N–.02 83.54W–.02 17–6 76 0-2
UCR IV 06 00 13 53.8–.86 9.51N 83.54W 12–2 3.5W **¶612701868**
INET IV 06 00 13 53.3–1.2 9.53N 83.61W 2–4 2.7W
UPA IV 06 00 13 56.3–.53 9.43N 83.42W 9–4 3.7W

ISC Event type ke.
UCR Error ellipse: s-maj=1.4km s-min=1.8km az=-1.0.
INET Error ellipse: s-maj=2.2km s-min=4.8km az=-1.0.
UPA Error ellipse: s-maj=2.0km s-min=4.2km az=-1.0.
ISC IV 08 18 16 36.1–1.1 9.01N–.03 84.03W–.02 14–7 3.6b 189 0-84
IDC IV 08 18 16 35.1–3.1 9.28N 83.87W 0 3.7L,3.5s **¶610652249**
UCR IV 08 18 16 36.6–.95 9.00N 84.09W 10–4 4.6W,3.5s
UPA IV 08 18 16 36.0–1.1 9.08N 84.04W 0–8 4.3W,3.5s
INET IV 08 18 16 39.8–2.1 9.20N 84.02W 2–10 4.2L,3.5s
ISC Event type ke.
IDC Error ellipse: s-maj=106.5km s-min=15.7km az=31.0.
UCR Error ellipse: s-maj=1.9km s-min=1.7km az=-1.0.
UPA Error ellipse: s-maj=6.1km s-min=5.3km az=-1.0.
INET Error ellipse: s-maj=10.9km s-min=4.8km az=-1.0.
ISC IV 10 09 30 38.9–1.2 9.36N–.03 84.61W–.02 13–9 168 0-3
INET IV 10 09 30 38.3–1.8 9.43N 84.54W 0–2 3.3W **¶614642867**
UCR IV 10 09 30 38.9–1.0 9.37N 84.62W 8–3 4.1W
ISC Event type ke.
INET Error ellipse: s-maj=7.7km s-min=3.5km az=-1.0.
UCR Error ellipse: s-maj=1.9km s-min=1.4km az=-1.0.
ISC IV 10 18 53 20.8–1.1 9.31N–.04 84.47W–.03 18–5 107 0-3
UPA IV 10 18 53 20.2–1.6 9.40N 84.45W 3–7 4.0W **¶612701885**
INET IV 10 18 53 21.1–.53 9.35N 84.41W 13–3 3.2W
UCR IV 10 18 53 21.2–.90 9.31N 84.47W 17–3 4.1W
ISC Event type ke.
UPA Error ellipse: s-maj=4.2km s-min=5.2km az=-1.0.
INET Error ellipse: s-maj=4.5km s-min=1.6km az=-1.0.
UCR Error ellipse: s-maj=2.3km s-min=1.6km az=-1.0.
ISC IV 11 12 08 49.6–.85 10.59N–.02 85.64W–.03 42–4 3.5b 138 0-140
IDC IV 11 12 08 44.9–1.7 9.45N 87.17W 0 3.7,3.7b **¶610652455**
UCR IV 11 12 08 48.6–2.0 10.63N 85.68W 41–5 4.3W,3.7b
INET IV 11 12 08 49.9–1.4 10.58N 85.60W 40–5 4.0W,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=313.5km s-min=27.6km az=54.0.
UCR Error ellipse: s-maj=3.8km s-min=4.1km az=-1.0.
INET Error ellipse: s-maj=3.0km s-min=4.5km az=-1.0.
ISC IV 12 12 25 12.3–1.7 9.48N–.08 84.46W–.05 12–12 22 0-2
INET IV 12 12 25 12.8–.33 9.49N 84.37W 15–8 2.8 **¶612701901**
UPA IV 12 12 25 12.6–1.4 9.53N 84.46W 13–8 4.0W
ISC Event type ke.
INET Error ellipse: s-maj=3.6km s-min=0.7km az=-1.0.
UPA Error ellipse: s-maj=6.6km s-min=5.8km az=-1.0.
ISC IV 13 18 55 47.4–.93 8.57N–.03 83.15W–.02 23–5 75 0-2
UCR IV 13 18 55 48.4–1.4 8.59N 83.20W 19–3 3.6W **¶613505721**
UPA IV 13 18 55 48.9–1.6 8.61N 83.12W 11–4 4.2W
ISC Event type ke.
UCR Error ellipse: s-maj=2.7km s-min=1.9km az=-1.0.
UPA Error ellipse: s-maj=3.3km s-min=3.4km az=-1.0.
ISC IV 14 01 37 44.4–.77 9.26N–.02 83.63W–.02 15–5 242 0-19
UPA IV 14 01 37 44.0–2.7 9.25N 83.68W 6–7 4.3W **¶610528964**
INET IV 14 01 37 44.8–6.4 9.34N 83.58W 1–14 4.1W
UCR IV 14 01 37 44.8–.95 9.27N 83.63W 13–4 4.4W,4.3b
NEIC IV 14 01 37 44.1–1.4 9.24N–.04 83.64W–.03 15–3 4.3b,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 14 17 06 55.7–1.1 8.83N–.03 83.65W–.02 16–9 111 0-4
INET IV 14 17 06 53.9–2.4 8.83N 83.40W 19–9 3.1W **¶612701903**
UCR IV 14 17 06 56.0–1.5 8.80N 83.71W 15–4 3.9W
UPA IV 14 17 06 56.0–2.1 8.83N 83.63W 8–8 3.9W
ISC Event type ke.
INET Error ellipse: s-maj=11.0km s-min=14.2km az=-1.0.
UCR Error ellipse: s-maj=3.3km s-min=3.4km az=-1.0.
UPA Error ellipse: s-maj=4.9km s-min=6.0km az=-1.0.
ISC IV 15 18 35 12.1–2.3 10.99N–.09 85.28W–.09 221–13 69 0-3
UCR IV 15 18 35 11.1–.98 11.01N 85.30W 225–3 3.5W **¶615491711**
INET IV 15 18 35 13.5–1.3 8.32N 85.80W 5 3.4L,2.9W
ISC Event type ke.
UCR Error ellipse: s-maj=8.1km s-min=6.1km az=-1.0.
INET Error ellipse: s-maj=21.0km s-min=10.9km az=-1.0.
ISC IV 16 01 06 20.4–.91 9.25N–.03 83.63W–.02 14–7 94 0-2
UPA IV 16 01 06 20.1–1.4 9.30N 83.62W 12–18 4.6W **¶613505741**
UCR IV 16 01 06 21.0–.89 9.28N 83.62W 11–2 3.7W
ISC Event type ke.
UPA Error ellipse: s-maj=39.3km s-min=8.8km az=-1.0.
UCR Error ellipse: s-maj=1.5km s-min=1.6km az=-1.0.
ISC IV 16 15 21 33.7–1.1 9.38N–.04 84.57W–.02 16–8 115 0-2
INET IV 16 15 21 33.6–.54 9.40N 84.54W 13–3 3.1W **¶614643566**
UCR IV 16 15 21 34.2–1.5 9.38N 84.60W 18–5 3.5W
ISC Event type ke.
INET Error ellipse: s-maj=4.1km s-min=2.2km az=-1.0.
UCR Error ellipse: s-maj=2.9km s-min=1.8km az=-1.0.
ISC IV 19 08 56 55.8–.69 10.13N–.03 85.65W–.03 26–4 4.2b,3.6s 227 0-151
IDC IV 19 08 56 55.1–.72 11.02N 85.09W 0 3.9,3.9b **¶610653039**
UCR IV 19 08 56 55.6–.87 10.10N 85.68W 20–1 4.4W,4.1b
INET IV 19 08 56 56.6–1.0 10.07N 85.61W 15–16 4.0W,4.1b
NEIC IV 19 08 56 58.0–1.5 10.23N–.02 85.53W–.04 27–9 4.1b,4.1b
UPA IV 19 08 56 57.8–3.4 10.18N 85.50W 0–60 4.5W,4.1b
ISC Event type se.
IDC Error ellipse: s-maj=41.7km s-min=7.7km az=76.0.
UCR Error ellipse: s-maj=1.0km s-min=1.6km az=-1.0. Moment Tensor Solution. NP1: ϕ_s239.38000°,δ14.11000°,λ44.56000°.
INET Error ellipse: s-maj=4.7km s-min=3.7km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=5.8km s-min=3.5km az=96.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
UPA Error ellipse: s-maj=65.8km s-min=77.4km az=-1.0.
ISC IV 19 09 00 33.7–1.0 10.11N–.02 85.67W–.04 19–2 102 0-2
INET IV 19 09 00 32.9–.78 10.09N 85.61W 0–2 2.8W **¶614643880**
UCR IV 19 09 00 33.8–.91 10.12N 85.67W 19–2 3.5W
ISC Event type ke.
INET Error ellipse: s-maj=4.1km s-min=7.0km az=-1.0.
UCR Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.
ISC IV 19 09 53 18.8–1.2 9.06N–.03 84.15W–.02 6–10 139 0-2
UCR IV 19 09 53 18.7–1.0 8.99N 84.22W 5 3.5W **¶612701923**
UPA IV 19 09 53 19.2–1.3 9.09N 84.13W 4–6 3.3W
INET IV 19 09 53 20.9–.26 9.12N 84.12W 6–4 2.6W
ISC Event type ke.
UCR Error ellipse: s-maj=1.4km s-min=1.3km az=-1.0.
UPA Error ellipse: s-maj=5.6km s-min=5.7km az=-1.0.
INET Error ellipse: s-maj=4.4km s-min=1.6km az=-1.0.
ISC IV 21 14 38 49.2–1.1 10.89N–.03 84.27W–.03 10–9 54 0-3
UCR IV 21 14 38 49.5–1.0 10.88N 84.31W 3–3 3.5W **¶614644128**
INET IV 21 14 38 51.2–1.1 11.01N 84.27W 1–2 2.9W
ISC Event type ke.
UCR Error ellipse: s-maj=2.7km s-min=2.4km az=-1.0.
INET Error ellipse: s-maj=8.2km s-min=4.6km az=-1.0.
ISC IV 24 07 07 52.6–.76 9.85N–.02 83.64W–.01 15–4 182 0-3
INET IV 24 07 07 51.6–2.0 9.78N 83.64W 0–2 3.2L **¶612701949**
UCR IV 24 07 07 52.7–1.6 9.89N 83.65W 8–1 3.5W
UPA IV 24 07 07 53.4–1.7 9.77N 83.76W 10–26 4.0W
ISC Event type ke.
INET Error ellipse: s-maj=3.4km s-min=8.6km az=-1.0.
UCR Error ellipse: s-maj=1.2km s-min=1.0km az=-1.0.
UPA Error ellipse: s-maj=27.0km s-min=19.0km az=-1.0.
ISC IV 26 08 55 49.6–.96 9.59N–.02 84.46W–.01 18–2 193 0-3
UPA IV 26 08 55 47.9–.66 9.81N 84.51W 0–20 4.1W **¶615491757**
UCR IV 26 08 55 49.9–1.1 9.61N 84.46W 19–2 3.5W
INET IV 26 08 55 49.4–1.9 9.61N 84.42W 15–5 3.0
ISC Event type ke.
UPA Error ellipse: s-maj=10.2km s-min=29.1km az=-1.0.
UCR Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0. Moment Tensor Solution. NP1:ϕ_s51.74000°,δ85.02000°,λ-29.62000°.
INET Error ellipse: s-maj=6.5km s-min=2.5km az=-1.0.
ISC IV 27 01 08 22.8–1.0 10.09N–.04 83.92W–.02 15–7 36 0-2
UCR IV 27 01 08 21.9–1.1 10.12N 83.96W 4–14 3.5W **¶614644770**
INET IV 27 01 08 22.0–1.4 10.06N 83.91W 2–2 2.4W
ISC Event type ke.
UCR Error ellipse: s-maj=10.0km s-min=6.8km az=-1.0.
INET Error ellipse: s-maj=2.2km s-min=2.0km az=-1.0.
ISC IV 30 14 38 29.6–1.4 10.02N–.06 84.10W–.05 76–7 67 0-2
UCR IV 30 14 38 27.8–.92 10.07N 84.06W 87–3 3.5W **¶613505807**
UPA IV 30 14 38 28.5–.47 10.24N 83.57W 0–315 3.6W
ISC Event type ke.
UCR Error ellipse: s-maj=3.9km s-min=3.3km az=-1.0.
UPA Error ellipse: s-maj=392.8km s-min=202.1km az=-1.0.
UCR V 01 12 21 29.0–1.2 10.21N 84.22W 1–2 3.7W
¶615491784
UCR Error ellipse: s-maj=2.3km s-min=2.6km az=-1.0.
ISC V 06 22 27 07.4–.86 8.71N–.03 83.28W–.03 9–7 60 0-3
UCR V 06 22 27 06.3–2.1 8.70N 83.32W 0–4 3.7W **¶613505838**
UPA V 06 22 27 07.7–2.2 8.59N 83.26W 14–5 3.7W
ISC Event type ke.
UCR Error ellipse: s-maj=2.8km s-min=2.8km az=-1.0.
UPA Error ellipse: s-maj=6.7km s-min=3.9km az=-1.0.
ISC V 07 05 25 35.5–1.9 10.18N–.05 84.18W–.05 90–13 74 0-2
INET V 07 05 25 35.2–1.2 10.20N 84.09W 87–11 3.3 **¶614645741**
UCR V 07 05 25 35.6–1.0 10.16N 84.21W 87–4 3.6W
ISC Event type ke.
INET Error ellipse: s-maj=5.1km s-min=6.1km az=-1.0.
UCR Error ellipse: s-maj=3.6km s-min=2.6km az=-1.0.
ISC V 08 15 09 01.2–1.5 9.37N–.07 84.26W–.04 30–14 16 0-1
INET V 08 15 09 01.8–.72 9.42N 84.22W 21–4 4.1L **¶614645871**
UCR V 08 15 09 01.3–.78 9.40N 84.29W 40–3 3.5W
ISC Event type ke.
INET Error ellipse: s-maj=6.0km s-min=2.1km az=-1.0.
UCR Error ellipse: s-maj=4.2km s-min=5.8km az=-1.0.
ISC V 08 19 43 33.6–1.4 10.77N–.03 85.77W–.04 45–8 77 0-3
UCR V 08 19 43 32.0–1.4 10.79N 85.85W 42–5 3.5W **¶614645872**
INET V 08 19 43 33.2–1.1 10.81N 85.72W 15–19 3.4W
ISC Event type ke.
UCR Error ellipse: s-maj=4.0km s-min=3.2km az=-1.0.
INET Error ellipse: s-maj=9.7km s-min=6.3km az=-1.0.
ISC V 09 14 18 36.5–.96 9.22N–.02 83.71W–.02 17–8 141 0-4
UPA V 09 14 18 35.7–1.1 9.20N 83.76W 12–9 3.7W **¶613505845**
UCR V 09 14 18 37.7–2.0 9.26N 83.71W 20–3 4.0W
ISC Event type ke.
UPA Error ellipse: s-maj=4.6km s-min=5.6km az=-1.0.
UCR Error ellipse: s-maj=1.8km s-min=1.9km az=-1.0.
ISC V 11 02 15 52.5–1.0 8.69N–.03 83.19W–.03 21–1 51 0-1
UPA V 11 02 15 51.8–1.1 8.73N 83.25W 14–3 3.5W **¶613505853**
UCR V 11 02 15 53.5–1.5 8.64N 83.21W 17–3 3.4W
ISC Event type ke.
UPA Error ellipse: s-maj=2.9km s-min=3.8km az=-1.0.
UCR Error ellipse: s-maj=2.8km s-min=2.5km az=-1.0.
UCR V 15 01 50 12.0–1.4 10.18N 84.22W 1–1 3.7W
¶615743908
UCR Error ellipse: s-maj=2.5km s-min=1.7km az=-1.0.
ISC V 17 19 36 22.0–.92 9.57N–.03 83.93W–.02 30–5 94 0-2
UPA V 17 19 36 21.0–.96 9.55N 83.98W 8–6 4.6L **¶613505872**
UCR V 17 19 36 22.2–1.6 9.58N 83.93W 21–2 3.7W
ISC Event type ke.
UPA Error ellipse: s-maj=4.8km s-min=7.7km az=-1.0.
UCR Error ellipse: s-maj=1.9km s-min=1.9km az=-1.0.
ISC V 20 09 22 57.4–.87 9.54N–.02 84.12W–.02 30 141 0-3
UPA V 20 09 22 55.9–.71 9.95N 84.08W 30–8 3.3W **¶612702024**
UCR V 20 09 22 57.7–1.5 9.55N 84.11W 29–1 3.5W
INET V 20 09 22 57.2–1.5 9.53N 84.13W 15–6 2.4W
ISC Event type ke.
UPA Error ellipse: s-maj=6.7km s-min=5.5km az=-1.0.
UCR Error ellipse: s-maj=1.7km s-min=1.8km az=-1.0.
INET Error ellipse: s-maj=4.9km s-min=3.2km az=-1.0.
ISC V 27 04 01 01.6–1.3 9.94N–.04 84.32W–.04 83–6 117 0-4
UCR V 27 04 01 02.4–1.1 9.98N 84.29W 75–2 3.9W **¶612702040**
INET V 27 04 01 02.2–.29 9.94N 84.22W 30–4 2.4W
UPA V 27 04 01 03.1–2.4 9.81N 84.35W 67–22 4.2W
ISC Event type ke.
UCR Error ellipse: s-maj=2.2km s-min=1.8km az=-1.0.
INET Error ellipse: s-maj=2.1km s-min=2.5km az=-1.0.
UPA Error ellipse: s-maj=29.8km s-min=21.6km az=-1.0.
ISC V 31 01 30 55.5–1.3 10.55N–.03 85.79W–.06 33 84 0-2
UCR V 31 01 30 55.8–1.5 10.56N 85.77W 24–3 3.5W **¶614648748**
INET V 31 01 30 56.1–1.3 10.55N 85.77W 22–7 3.1W
ISC Event type ke.
UCR Error ellipse: s-maj=2.1km s-min=3.0km az=-1.0.
INET Error ellipse: s-maj=3.2km s-min=6.5km az=-1.0.
ISC VI 01 09 21 40.7–.76 8.56N–.03 83.20W–.02 17–4 3.5b 148 0-76
UCR VI 01 09 21 40.6–1.8 8.56N 83.22W 5–2 4.3W **¶610791050**
UPA VI 01 09 21 41.2–.46 8.58N 83.11W 6–3 4.2W
INET VI 01 09 21 42.9–4.1 8.69N 83.15W 10 4.1W
IDC VI 01 09 21 47.7–9.3 10.38N 82.56W 0 3.4,3.4b
ISC Event type ke.
UCR Error ellipse: s-maj=2.1km s-min=1.7km az=-1.0.
UPA Error ellipse: s-maj=1.8km s-min=1.9km az=-1.0.
INET Error ellipse: s-maj=24.3km s-min=18.5km az=-1.0.
IDC Error ellipse: s-maj=269.2km s-min=46.1km az=16.0.
ISC VI 02 03 42 08.4–.85 8.56N–.03 83.22W–.02 13–5 96 0-4
UCR VI 02 03 42 08.3–2.1 8.59N 83.22W 6–4 4.0W **¶613508993**
UPA VI 02 03 42 08.0–1.2 8.59N 83.15W 0–4 3.8W
ISC Event type ke.
UCR Error ellipse: s-maj=2.7km s-min=2.2km az=-1.0.
UPA Error ellipse: s-maj=3.0km s-min=3.6km az=-1.0.
UCR VI 05 08 53 36.3–1.9 10.20N 84.23W 4–2 4.1W
¶615743915
UCR Error ellipse: s-maj=1.5km s-min=1.5km az=-1.0.
ISC VI 05 22 54 15.0–.87 8.55N–.04 83.18W–.03 17–6 50 0-3
UCR VI 05 22 54 15.3–1.6 8.54N 83.18W 11–3 3.5W **¶613509021**
UPA VI 05 22 54 15.5–1.8 8.53N 83.08W 4–9 3.7L,3.0
ISC Event type ke.
UCR Error ellipse: s-maj=3.5km s-min=2.4km az=-1.0.
UPA Error ellipse: s-maj=5.6km s-min=4.6km az=-1.0.
ISC VI 07 13 57 52.4–.88 10.93N–.03 85.96W–.04 51–8 4.0b,3.7s 150 1-140
IDC VI 07 13 57 46.2–1.4 10.86N 86.14W 0 4.0b,3.9 **¶610791407**
UCR VI 07 13 57 51.7–7.4 10.95N 85.98W 28–12 4.3b,4.3W
NEIC VI 07 13 57 51.5–1.2 10.93N–.04 85.99W–.05 29–9 4.3b,4.3W
INET VI 07 13 57 52.8–.76 10.92N 85.93W 42–8 4.1W,4.3W
ISC Event type se.
IDC Error ellipse: s-maj=41.0km s-min=12.3km az=33.0.
UCR Error ellipse: s-maj=20.8km s-min=15.2km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=5.0km az=55.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
INET Error ellipse: s-maj=1.4km s-min=1.7km az=-1.0.
ISC VI 08 14 06 37.0–.79 9.96N–.02 83.88W–.01 9–4 137 0-3
INET VI 08 14 06 35.7–1.3 9.93N 83.81W 4–6 3.0 **¶612702086**
UCR VI 08 14 06 36.5–1.9 9.96N 83.88W 4–1 4.2W
UPA VI 08 14 06 37.5–1.8 10.05N 83.96W 6–267 4.1W
ISC Event type ke.
INET Error ellipse: s-maj=3.0km s-min=4.8km az=-1.0.
UCR Error ellipse: s-maj=1.7km s-min=1.2km az=-1.0. Moment Tensor Solution. NP1: ϕ_s223.28000°,δ68.37000°,λ-28.21000°.
UPA Error ellipse: s-maj=230.1km s-min=185.8km az=-1.0.

ISC VI 09 11 28 46.5–1.8 10.58N–.04 84.84W–.06 118–10 76 0-2
UCR VI 09 11 28 46.5–1.1 10.57N 84.81W 116–2 3.5W ¶614649602
INET VI 09 11 28 49.1–1.5 10.63N 84.67W 10–9 2.5W,2.0L
ISC Event type ke.
UCR Error ellipse: s-maj=3.6km s-min=3.4km az=-1.0.
INET Error ellipse: s-maj=3.3km s-min=4.6km az=-1.0.
ISC VI 09 15 58 29.4–1.4 9.60N–.09 83.51W–.06 6–16 12 0-2
INET VI 09 15 58 29.8–.29 9.58N 83.66W 2–1 2.0 ¶612702093
UPA VI 09 15 58 30.9–1.3 9.55N 83.40W 0–26 2.9W
ISC Event type ke.
INET Error ellipse: s-maj=1.5km s-min=1.7km az=-1.0.
UPA Error ellipse: s-maj=27.7km s-min=27.5km az=-1.0.
UCR VI 11 10 34 53.3–1.4 9.35N 84.43W 18–3 3.7W
¶615743920
UCR Error ellipse: s-maj=2.6km s-min=2.0km az=-1.0.
ISC VI 16 17 39 31.9–2.3 10.22N–.06 84.16W–.06 97–14 73 0-2
INET VI 16 17 39 30.4–.57 10.29N 84.08W 102–8 2.7 ¶614650247
UCR VI 16 17 39 31.7–1.1 10.18N 84.19W 96–4 3.5W
ISC Event type ke.
INET Error ellipse: s-maj=6.3km s-min=2.6km az=-1.0.
UCR Error ellipse: s-maj=2.9km s-min=2.5km az=-1.0.
ISC VI 17 15 00 37.7–1.0 9.35N–.03 84.62W–.02 14–6 4.5b,3.9s 223 0-152
UCR VI 17 15 00 37.7–1.6 9.35N 84.63W 0–2 4.6b,4.6W ¶610680844
UPA VI 17 15 00 37.8–4.5 9.50N 84.64W 3–83 4.6W,4.6W
NEIC VI 17 15 00 38–2.3 9.36N–.04 84.63W–.04 13–6 4.6b,4.6W
IDC VI 17 15 00 41.8–1.9 9.70N 84.45W 35–12 4.2,3.9s
ISC Event type se.
UCR Error ellipse: s-maj=3.0km s-min=1.6km az=-1.0.
UPA Error ellipse: s-maj=23.7km s-min=98.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=6.7km s-min=4.3km az=221.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=32.4km s-min=14.7km az=39.0.
ISC VI 20 20 13 32.4–1.5 10.24N–.05 84.17W–.03 85–7 89 0-2
UCR VI 20 20 13 30.9–1.4 10.22N 84.17W 94–4 3.9W ¶612702143
UPA VI 20 20 13 30.4–1.8 10.38N 83.88W 0–204 3.5W
INET VI 20 20 13 30.2–.89 10.33N 84.05W 89–6 3.3
ISC Event type ke.
UCR Error ellipse: s-maj=3.5km s-min=2.8km az=-1.0.
UPA Error ellipse: s-maj=227.7km s-min=176.7km az=-1.0.
INET Error ellipse: s-maj=6.2km s-min=3.4km az=-1.0.
ISC VI 22 01 14 41.4–.84 10.11N–.03 84.08W–.03 15–5 76 0-2
UCR VI 22 01 14 40.8–1.4 10.13N 84.08W 6–3 4.1W ¶614650735
INET VI 22 01 14 41.1–.16 9.96N 84.02W 10–0 2.7W
ISC Event type ke.
UCR Error ellipse: s-maj=1.7km s-min=1.3km az=-1.0.
INET Error ellipse: s-maj=2.8km s-min=0.7km az=-1.0.
UCR VI 22 21 07 24.9–1.1 9.51N 84.85W 17–5 3.5W
¶615743927
UCR Error ellipse: s-maj=2.1km s-min=1.7km az=-1.0.
UCR VI 30 08 12 59.9–1.1 8.18N 83.69W 0–249 3.5W
¶615743941
UCR Error ellipse: s-maj=137.2km s-min=56.8km az=-1.0.

(80) Panama-Costa Rica border region.

ISC I 06 09 37 36.1–.99 9.64N–.04 82.50W–.03 32–6 60 0-3
UCR I 06 09 37 34.4–1.3 9.72N 82.43W 21–6 3.8W ¶612509458
UPA I 06 09 37 37.1–1.8 9.51N 82.71W 13–7 3.9W
ISC Event type ke.
UCR Error ellipse: s-maj=6.5km s-min=7.4km az=-1.0.
UPA Error ellipse: s-maj=5.3km s-min=6.2km az=-1.0.
ISC I 07 05 24 30.5–1.8 8.18N–.06 82.84W–.03 3–14 38 0-3
UCR I 07 05 24 31.3–.65 8.13N 82.80W 15–8 4.0W ¶612509461
UPA I 07 05 24 35.3–2.2 8.32N 82.81W 19–16 4.0W
ISC Event type ke.
UCR Error ellipse: s-maj=8.4km s-min=7.2km az=-1.0.
UPA Error ellipse: s-maj=7.8km s-min=5.2km az=-1.0.
ISC I 12 23 45 26.7–.78 8.57N–.03 82.92W–.02 32–4 3.6s,3.5b 99 0-90
IDC I 12 23 45 23.9–7.8 9.08N 82.58W 0 4.1L,3.7 ¶610237267
UCR I 12 23 45 26.7–1.0 8.59N 82.92W 29–2 4.1W,3.7
UPA I 12 23 45 27.0–1.6 8.56N 82.89W 16–3 4.2W,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=172.1km s-min=41.9km az=5.0.
UCR Error ellipse: s-maj=3.1km s-min=2.5km az=-1.0.
UPA Error ellipse: s-maj=4.0km s-min=3.6km az=-1.0.
ISC I 28 00 44 17.2–1.1 8.42N–.04 82.83W–.03 34–2 43 0-3
UCR I 28 00 44 16.0–1.6 8.37N 82.82W 40–6 3.7W ¶612509798
UPA I 28 00 44 18.3–1.7 8.43N 82.79W 25–9 3.5W
ISC Event type ke.
UCR Error ellipse: s-maj=7.5km s-min=5.8km az=-1.0.
UPA Error ellipse: s-maj=7.2km s-min=4.9km az=-1.0.
ISC II 15 07 50 34.1–.88 8.54N–.03 82.91W–.02 32–5 145 0-5
UCR II 15 07 50 34.6–2.1 8.57N 82.94W 31–2 3.7W ¶612509948
UPA II 15 07 50 34.8–2.0 8.54N 82.88W 23–4 4.2W
ISC Event type ke.
UCR Error ellipse: s-maj=4.0km s-min=3.7km az=-1.0.
UPA Error ellipse: s-maj=4.9km s-min=5.0km az=-1.0.
ISC II 19 02 45 36.0–.81 8.27N–.05 82.68W–.05 27–5 3.5b 100 0-83
IDC II 19 02 45 27.1–3.1 7.15N 83.84W 0 4.1L,3.5 ¶610239492
UCR II 19 02 45 33.7–2.4 8.18N 82.53W 14–8 4.3W,3.6b
NEIC II 19 02 45 36.5–.95 8.25N–.05 82.75W–.06 34–4 3.6b,3.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 01 01 17 41.4–.87 8.79N–.03 82.33W–.02 14–7 120 0-4
UCR III 01 01 17 43.5–1.8 8.74N 82.44W 4–5 4.3W ¶612728054
UPA III 01 01 17 43.0–1.4 8.73N 82.40W 10–4 4.6L,4.1W
ISC Event type ke.
UCR Error ellipse: s-maj=3.9km s-min=3.7km az=-1.0.
UPA Error ellipse: s-maj=2.7km s-min=2.7km az=-1.0.
ISC III 01 01 28 27.0–.83 8.76N–.03 82.39W–.02 15–5 83 0-4
NEIC III 01 01 28 26.6–1.8 8.85N–.08 82.42W–.05 20–11 3.0L ¶610242091
UCR III 01 01 28 26.9–1.7 8.74N 82.43W 4–6 3.7W
UPA III 01 01 28 26.8–1.8 8.76N 82.38W 8–3 3.1W
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.3km s-min=6.8km az=179.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
UCR Error ellipse: s-maj=6.3km s-min=4.3km az=-1.0.
UPA Error ellipse: s-maj=3.3km s-min=3.2km az=-1.0.
ISC III 11 04 21 58.2–1.0 8.23N–.04 82.66W–.03 32–7 79 0-4
UPA III 11 04 21 57.7–1.5 8.23N 82.67W 35–6 3.9L,3.8W ¶612728085
UCR III 11 04 21 57.2–2.1 8.19N 82.66W 31–4 3.7W,3.8W
ISC Event type ke.
UPA Error ellipse: s-maj=4.7km s-min=5.3km az=-1.0.
UCR Error ellipse: s-maj=8.0km s-min=6.6km az=-1.0.
ISC III 12 05 06 28.1–.92 8.61N–.03 82.77W–.03 17–6 37 0-2
UCR III 12 05 06 26.7–1.6 8.49N 82.76W 3–7 3.9W ¶612728092
UPA III 12 05 06 27.8–.45 8.65N 82.78W 14–2 3.6W
ISC Event type ke.
UCR Error ellipse: s-maj=7.8km s-min=5.7km az=-1.0.
UPA Error ellipse: s-maj=0.9km s-min=1.5km az=-1.0.
ISC III 13 03 47 13.8–.92 8.88N–.03 82.88W–.02 19–2 56 0-1
UPA III 13 03 47 14.1–.69 8.87N 82.84W 16–1 3.6W ¶612728099
UCR III 13 03 47 14.0–1.7 8.87N 82.89W 22–3 3.6W
ISC Event type ke.
UPA Error ellipse: s-maj=1.3km s-min=1.6km az=-1.0.
UCR Error ellipse: s-maj=3.7km s-min=3.8km az=-1.0.
ISC III 15 16 12 58.7–1.8 8.51N–.04 82.73W–.04 16–13 23 0-2
UPA III 15 16 12 58.5–.50 8.55N 82.74W 52–4 3.0W ¶612728197
UCR III 15 16 12 59.0–1.1 8.41N 82.79W 24–4 3.5W
ISC Event type ke.
UPA Error ellipse: s-maj=2.1km s-min=3.6km az=-1.0.
UCR Error ellipse: s-maj=9.1km s-min=7.3km az=-1.0.
ISC III 16 14 59 43.3–1.1 9.34N–.04 82.54W–.04 19–3 32 0-2
UCR III 16 14 59 42.9–1.2 9.34N 82.53W 6–10 3.5W ¶612728429
UPA III 16 14 59 43.3–.62 9.23N 82.49W 2–3 3.3W
ISC Event type ke.
UCR Error ellipse: s-maj=3.0km s-min=10.1km az=-1.0.
UPA Error ellipse: s-maj=1.0km s-min=3.5km az=-1.0.
ISC III 17 10 19 19.2–.89 8.93N–.02 82.85W–.02 19–2 105 0-5
UPA III 17 10 19 19.2–2.1 8.93N 82.84W 2 4.2W ¶612728433
UCR III 17 10 19 19.6–1.4 8.92N 82.86W 16–5 4.2W
ISC Event type ke.
UPA Error ellipse: s-maj=2.7km s-min=2.9km az=-1.0.
UCR Error ellipse: s-maj=1.9km s-min=2.5km az=-1.0.
UCR III 18 05 00 14.0–1.9 8.28N 82.82W 13–5 4.0W
¶615491633
UCR Error ellipse: s-maj=5.1km s-min=5.5km az=-1.0.
ISC III 21 07 47 38.9–.93 8.41N–.03 82.87W–.02 17–6 56 0-2
UCR III 21 07 47 39.1–1.7 8.40N 82.87W 20–3 3.6W ¶612728455
UPA III 21 07 47 39.3–1.1 8.42N 82.82W 9–5 3.4W
ISC Event type ke.
UCR Error ellipse: s-maj=3.0km s-min=4.9km az=-1.0.
UPA Error ellipse: s-maj=2.2km s-min=3.6km az=-1.0.
ISC III 27 07 44 37.5–1.9 8.19N–.08 82.59W–.04 25–12 79 0-3
UPA III 27 07 44 37.8–1.1 8.25N 82.57W 44–6 3.2W,3.2L ¶612728555
UCR III 27 07 44 38.3–1.9 8.22N 82.59W 30–3 3.6W,3.2L
ISC Event type ke.
UPA Error ellipse: s-maj=4.5km s-min=4.7km az=-1.0.
UCR Error ellipse: s-maj=5.3km s-min=6.5km az=-1.0.
ISC III 27 13 58 36.4–.89 8.68N–.03 82.82W–.02 28–5 69 0-3
UCR III 27 13 58 36.5–2.3 8.68N 82.86W 28–3 3.5W ¶612728556
UPA III 27 13 58 37.0–1.0 8.68N 82.77W 18–1 3.6,3.5L
ISC Event type ke.
UCR Error ellipse: s-maj=4.2km s-min=5.4km az=-1.0.
UPA Error ellipse: s-maj=1.6km s-min=1.8km az=-1.0.
ISC IV 02 23 54 30.7–.40 8.97N–.02 82.47W–.01 4–2 5.2b,4.8s 1524 0-153
INET IV 02 23 54 20.9–1.4 8.54N 81.48W 15–8 5.0W,4.8s ¶615269221
MOS IV 02 23 54 31.4–1.1 8.98N 82.43W 13 5.4b,4.7s
UPA IV 02 23 54 31.7–1.2 8.89N 82.52W 3–2 5.3W,4.7s
UCR IV 02 23 54 32.0–1.0 8.90N 82.49W 10 5.8W,5.3b
NEIC IV 02 23 54 33.3 8.89N 82.38W 18 5.8W,5.3b
NEIC IV 02 23 54 33.3–1.9 8.98N–.05 82.46W–.03 10–1 5.3,5.2b
NEIC IV 02 23 54 33.3 8.99N 82.48W 18 5.3,5.2b
IDC IV 02 23 54 35.6–1.7 8.91N 82.61W 46–16 4.9,4.6s
GCMT IV 02 23 54 36.4–.10 8.99N–.01 82.48W–.01 16–0 5.3W,4.6s
BGR IV 02 23 54 42.6 10.19N 81.40W 33 5.0b,4.9s
ISC Event type ke. Moment Tensor Solution. NP1:ϕ_s88.61373°,δ78.39640°,λ-5.09435°. NP2: ϕ_s179.64101°,δ85.01003°,λ-168.35164°. Principal axes: T Plg4.6301°,Azm313.6532° ; N Plg77.3414°,Azm202.5174°; P Plg11.7553°,Azm44.6189°
INET Error ellipse: s-maj=42.8km s-min=21.9km az=-1.0.
MOS Error ellipse: s-maj=6.7km s-min=5.2km az=101.9.
UPA Error ellipse: s-maj=1.7km s-min=1.7km az=-1.0. Moment Tensor Solution. NP1:ϕ_s74.00000° ,δ90.00000°,λ-9.00000°.
UCR Error ellipse: s-maj=1.8km s-min=2.8km az=-1.0.
NEIC Event type se. Moment Tensor Solution.Duration: 2^{s}2 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.42 $M_{\theta\theta}$-0.04 $M_{\phi\phi}$0.47 $M_{r\theta}$-0.31 $M_{\theta\phi}$1.01 $M_{\phi r}$-0.04 NP1:ϕ_s79.72000°,δ78.61000° ,λ-23.20000°. NP2:ϕ_s174.56000°,δ67.28000°,λ-167.64000°. Principal axes: T 1.2875,Plg8.0000°,Azm129.0000°; N -0.3563,Plg64.0000°,Azm235.0000° ; P -0.9312,Plg24.0000°,Azm35.0000° $M_0$1.11000×10^{17}
NEIC Event type se. Error ellipse: s-maj=8.8km s-min=5.4km az=17.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se.
IDC Error ellipse: s-maj=16.7km s-min=9.1km az=55.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s109,c175; s151,c286;Duration: 1^{s}1 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.28±.01 $M_{\theta\theta}$-0.14±.01; $M_{\phi\phi}$0.41±.02; $M_{r\theta}$-0.54±.04; $M_{\theta\phi}$1.06±.01; $M_{\phi r}$0.01±.04; Best double couple: NP1:ϕ_s80.00000°,δ80.00000°,λ-28.00000°. NP2:ϕ_s175.00000°,δ62.00000°,λ-169.00000°. Principal axes: T 1.3030,Plg12.0000° ,Azm130.0000°; N -0.1280,Plg60.0000°,Azm242.0000°; P -1.1760,Plg27.0000° ,Azm34.0000° $M_0$1.24000×10^{17}
BGR Event type ke.
ISC IV 03 00 25 38.0–1.4 8.49N–.06 82.72W–.04 9–9 26 0-2
UCR IV 03 00 25 32.2–.59 8.02N 82.91W 0–39 3.8W ¶613505634
UPA IV 03 00 25 39.1–4.4 8.50N 82.72W 13–26 3.1W
ISC Event type ke.
UCR Error ellipse: s-maj=59.1km s-min=37.3km az=-1.0.
UPA Error ellipse: s-maj=15.0km s-min=17.4km az=-1.0.
ISC IV 03 00 36 34.8–.92 8.91N–.02 82.49W–.02 18–3 62 0-3
UCR IV 03 00 36 34.8–1.3 8.92N 82.51W 2–5 3.9W ¶613505636
UPA IV 03 00 36 34.9–.88 8.89N 82.52W 6–1 3.4W
ISC Event type ke.
UCR Error ellipse: s-maj=4.0km s-min=5.4km az=-1.0.
UPA Error ellipse: s-maj=1.4km s-min=1.4km az=-1.0. Moment Tensor Solution. NP1:ϕ_s60.00000° ,δ68.00000°,λ-2.00000°.
ISC IV 03 02 36 26.0–.84 8.92N–.02 82.51W–.02 14–6 66 0-2
UPA IV 03 02 36 26.0–1.3 8.90N 82.49W 4–2 3.1W ¶613505649
UCR IV 03 02 36 26.3–.99 8.89N 82.48W 10 3.6W
ISC Event type ke.
UPA Error ellipse: s-maj=1.9km s-min=1.8km az=-1.0. Moment Tensor Solution. NP1:ϕ_s90.00000° ,δ88.00000°,λ-25.00000°.
UCR Error ellipse: s-maj=3.4km s-min=4.2km az=-1.0.
ISC IV 03 20 25 33.8–.73 8.92N–.02 82.54W–.02 15–4 3.9b 253 0-145
IDC IV 03 20 25 32.1–1.1 9.06N 82.12W 0 4.0L,3.7 ¶610476793
UPA IV 03 20 25 33.4–1.0 8.89N 82.50W 2–2 4.3W,3.7
UCR IV 03 20 25 35.2–2.8 8.92N 82.64W 0–4 4.7W,3.7
NEIC IV 03 20 25 35.0–2.4 8.90N–.04 82.57W–.04 18–6 4.1b,3.7
INET IV 03 20 25 38.4–2.3 9.06N 82.71W 5 4.3W,3.7
ISC Event type se.
IDC Error ellipse: s-maj=37.8km s-min=23.0km az=47.0.
UPA Error ellipse: s-maj=1.5km s-min=1.4km az=-1.0. Moment Tensor Solution. NP1:ϕ_s81.00000° ,δ88.00000°,λ-22.00000°.
UCR Error ellipse: s-maj=2.6km s-min=6.3km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=5.7km s-min=4.8km az=136.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
INET Error ellipse: s-maj=11.8km s-min=10.1km az=-1.0.
UPA IV 06 01 16 11.2–1.2 8.94N 82.09W 10–4 3.6L,2.8W
¶613505675
UPA Error ellipse: s-maj=2.4km s-min=2.3km az=-1.0. Moment Tensor Solution. NP1: ϕ_s120.00000°,δ85.00000°,λ-62.00000°.
ISC IV 07 22 13 29.0–1.4 8.66N–.04 82.90W–.03 58–7 64 0-3
UCR IV 07 22 13 27.6–1.2 8.66N 82.87W 67–4 4.1W ¶613505682
UPA IV 07 22 13 28.1–1.0 8.68N 82.90W 61–4 3.9W,3.6
ISC Event type ke.
UCR Error ellipse: s-maj=4.0km s-min=5.8km az=-1.0.
UPA Error ellipse: s-maj=3.1km s-min=3.5km az=-1.0. Moment Tensor Solution. NP1:ϕ_s12.00000° ,δ53.00000°,λ-142.00000°.
ISC IV 10 18 02 20.8–1.1 8.27N–.04 82.97W–.03 14–8 65 0-3
UCR IV 10 18 02 20.8–2.0 8.24N 82.94W 15–8 4.0W ¶613505699
UPA IV 10 18 02 21.0–.87 8.31N 82.97W 12–2 3.8W
ISC Event type ke.
UCR Error ellipse: s-maj=6.0km s-min=8.4km az=-1.0.
UPA Error ellipse: s-maj=1.9km s-min=2.5km az=-1.0.
ISC IV 11 23 06 35.7–.88 9.51N–.03 82.73W–.03 17–7 49 0-3
UCR IV 11 23 06 34.1–1.0 9.62N 82.62W 24–3 3.8W ¶613505713
UPA IV 11 23 06 35.9–1.8 9.45N 82.71W 4–6 4.0W
ISC Event type ke.
UCR Error ellipse: s-maj=3.7km s-min=4.0km az=-1.0.
UPA Error ellipse: s-maj=5.3km s-min=3.9km az=-1.0.

ISC IV 13 22 27 16.6–.81 8.93N–.02 82.85W–.02 17–6 103 0-2
UPA IV 13 22 27 16.6–1.7 8.90N 82.83W 6–3 3.7L,3.5W ¶613505722
UCR IV 13 22 27 17.1–1.3 8.91N 82.85W 19–3 3.5W,3.5W
ISC Event type ke.
UPA Error ellipse: s-maj=2.6km s-min=2.7km az=-1.0. Moment Tensor Solution. NP1:ϕs0.00000°,δ43.00000°,λ-108.00000°.
UCR Error ellipse: s-maj=1.7km s-min=2.5km az=-1.0.
ISC IV 23 12 34 22.8–1.6 9.56N–.07 82.62W–.05 18–3 23 0-1
UCR IV 23 12 34 22.2–1.1 9.57N 82.51W 10–33 3.6W ¶613505775
UPA IV 23 12 34 26.0–1.6 9.34N 82.62W 0–8 3.7W,3.6L
ISC Event type ke.
UCR Error ellipse: s-maj=7.9km s-min=28.0km az=-1.0.
UPA Error ellipse: s-maj=3.9km s-min=5.9km az=-1.0.
ISC IV 23 20 48 47.6–1.0 8.81N–.03 82.98W–.03 33–3 53 0-2
UCR IV 23 20 48 47.5–.83 8.79N 82.99W 33–2 3.7W ¶612701943
UPA IV 23 20 48 48.3–.75 8.83N 82.93W 26–5 3.4W
INET IV 23 20 48 49.6–1.8 8.97N 83.08W 14–30 2.9W
ISC Event type ke.
UCR Error ellipse: s-maj=3.7km s-min=2.9km az=-1.0.
UPA Error ellipse: s-maj=2.8km s-min=3.1km az=-1.0.
INET Error ellipse: s-maj=20.0km s-min=9.2km az=-1.0.
ISC V 01 21 06 54.4–.90 8.89N–.03 82.82W–.03 30–5 54 0-2
UCR V 01 21 06 55.3–1.1 8.89N 82.83W 24–2 3.5W ¶613505814
UPA V 01 21 06 56.0–1.3 8.88N 82.78W 18–2 3.3W
ISC Event type ke.
UCR Error ellipse: s-maj=2.4km s-min=2.8km az=-1.0.
UPA Error ellipse: s-maj=2.8km s-min=3.3km az=-1.0.
ISC V 01 23 09 10.4–.83 8.44N–.03 82.70W–.02 18–5 63 0-3
UCR V 01 23 09 09.8–1.3 8.41N 82.66W 15–5 4.1W ¶613505815
UPA V 01 23 09 10.7–1.1 8.45N 82.70W 11–2 4.3W
ISC Event type ke.
UCR Error ellipse: s-maj=2.9km s-min=5.0km az=-1.0.
UPA Error ellipse: s-maj=1.7km s-min=1.8km az=-1.0.
ISC V 10 03 56 30.0–1.1 8.25N–.04 82.61W–.02 34–1 67 0-2
UPA V 10 03 56 29.3–1.1 8.28N 82.64W 46–4 4.2W ¶613505847
UCR V 10 03 56 29.9–1.9 8.26N 82.60W 33–3 3.8W
ISC Event type ke.
UPA Error ellipse: s-maj=3.0km s-min=2.5km az=-1.0.
UCR Error ellipse: s-maj=5.6km s-min=6.6km az=-1.0.
ISC V 10 17 48 45.3–1.2 9.31N–.04 82.68W–.03 17–12 22 0-1
UPA V 10 17 48 45.5–.37 9.22N 82.66W 3–1 3.0L ¶613505851
UCR V 10 17 48 45.8–1.3 9.32N 82.68W 12–13 3.5W
ISC Event type ke.
UPA Error ellipse: s-maj=0.9km s-min=1.8km az=-1.0.
UCR Error ellipse: s-maj=2.9km s-min=7.1km az=-1.0.
ISC V 24 15 56 40.2–1.7 9.85N–.05 82.64W–.04 6–11 46 0-3
UPA V 24 15 56 40.6–3.3 9.84N 82.96W 55–54 4.0W,3.8 ¶613505895
UCR V 24 15 56 42.2–1.0 9.83N 82.59W 18–3 3.9W,3.8
ISC Event type ke.
UPA Error ellipse: s-maj=19.9km s-min=18.1km az=-1.0.
UCR Error ellipse: s-maj=2.7km s-min=3.4km az=-1.0.
ISC VI 02 15 26 46.4–.92 8.75N–.02 82.97W–.02 18–2 42 0-3
UCR VI 02 15 26 46.6–1.7 8.71N 83.00W 15–4 3.6W ¶613509000
UPA VI 02 15 26 46.4–.62 8.75N 82.94W 10–2 3.5W
ISC Event type ke.
UCR Error ellipse: s-maj=3.0km s-min=3.5km az=-1.0.
UPA Error ellipse: s-maj=1.8km s-min=2.8km az=-1.0.
ISC VI 04 10 00 45.3–2.0 8.3N–.10 82.98W–.04 16–7 36 0-2
UPA VI 04 10 00 30.1–15 7.70N 81.81W 10–206 5.0W ¶613509011
UCR VI 04 10 00 46.2–1.9 8.34N 83.02W 7–6 3.7W
ISC Event type ke.
UPA Error ellipse: s-maj=196.3km s-min=86.6km az=-1.0.
UCR Error ellipse: s-maj=6.4km s-min=5.5km az=-1.0.
ISC VI 07 08 20 01.7–.97 9.05N–.03 82.21W–.02 10–7 65 0-2
UPA VI 07 08 20 01.2–1.7 9.01N 82.25W 0–4 4.3W ¶613509024
UCR VI 07 08 20 02.0–1.9 9.10N 82.25W 2–8 3.7W
ISC Event type ke.
UPA Error ellipse: s-maj=2.8km s-min=2.0km az=-1.0.
UCR Error ellipse: s-maj=4.1km s-min=5.6km az=-1.0.
ISC VI 07 11 57 35.3–.91 8.68N–.04 82.76W–.02 32–5 59 0-3
UPA VI 07 11 57 26.8–23 8.28N 83.10W 20–616 4.8W ¶612702081
UCR VI 07 11 57 36.3–2.3 8.70N 82.77W 20–5 3.9W
INET VI 07 11 57 37.4–1.7 8.88N 82.90W 2–9 3.4
ISC Event type ke.
UPA Error ellipse: s-maj=112.9km s-min=536.8km az=-1.0.
UCR Error ellipse: s-maj=5.1km s-min=7.3km az=-1.0.
INET Error ellipse: s-maj=18.1km s-min=13.7km az=-1.0.
ISC VI 21 07 46 20.5–1.3 8.15N–.06 82.84W–.03 32–6 81 0-3
UCR VI 21 07 46 19.9–1.5 8.13N 82.89W 12–6 3.6W ¶613510097
UPA VI 21 07 46 20.3–.69 8.21N 82.87W 35–4 4.0W
ISC Event type ke.
UCR Error ellipse: s-maj=3.6km s-min=3.5km az=-1.0.
UPA Error ellipse: s-maj=3.0km s-min=3.2km az=-1.0.

(81) Panama.

ISC I 04 06 06 22.6–1.4 9.13N–.06 78.26W–.04 74–12 27 1-4
UPA I 04 06 06 23.5–1.8 8.91N 78.30W 72–15 4.0W ¶612509443
ISC Event type ke.
UPA Error ellipse: s-maj=14.2km s-min=10.7km az=-1.0.
ISC II 08 11 31 14.5–2.9 7.5N–.20 80.97W–.03 4–15 26 1-2
UPA II 08 11 31 15.1–.89 7.55N 80.93W 0–8 3.7W ¶612509895
ISC Event type ke.
UPA Error ellipse: s-maj=15.4km s-min=3.8km az=-1.0.
ISC II 20 19 35 44.9–1.2 8.25N–.03 79.24W–.02 4–8 4.7b,3.7s 571 1-153
UPA II 20 19 35 46.9–1.0 8.21N 79.29W 8–4 4.9W,3.7s ¶610237760
NEIC II 20 19 35 48.4–1.7 8.30N–.06 79.25W–.06 16–4 4.7b,3.7s
IDC II 20 19 35 50.6–1.9 8.22N 79.34W 43–18 4.4,4.1b
INET II 20 19 35 50.2–1.5 8.85N 79.03W 15–8 4.3W,4.1b
ISC Event type se.
UPA Error ellipse: s-maj=2.7km s-min=2.5km az=-1.0. Moment Tensor Solution. NP1:ϕs90.65000°,δ64.64000°,λ44.65000°.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=8.1km az=46.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=17.8km s-min=10.1km az=51.0.
INET Error ellipse: s-maj=36.7km s-min=20.4km az=-1.0.
ISC IV 23 10 05 44.2–1.6 9.35N–.06 78.19W–.02 10–12 29 1-4
UPA IV 23 10 05 48.9–.68 9.14N 78.30W 12–5 2.9W ¶613505774
ISC Event type ke.
UPA Error ellipse: s-maj=6.8km s-min=4.6km az=-1.0.
ISC IV 23 20 49 40.3–2.2 9.72N–.09 78.24W–.03 10–13 24 1-4
UPA IV 23 20 49 41.9–1.1 9.62N 78.29W 3–7 3.1W ¶613505777
ISC Event type ke.
UPA Error ellipse: s-maj=6.9km s-min=6.4km az=-1.0.
ISC V 04 22 55 11.2–.32 9.38N–.04 78.33W–.03 70–2 4.6b 503 1-152
IDC V 04 22 55 10.7–.38 9.27N 78.37W 67–3 4.3,4.0b ¶610598521
NEIC V 04 22 55 12.6–2.5 9.40N–.08 78.34W–.07 74–7 4.8,4.7b
NEIC V 04 22 55 12.6 9.43N 78.34W 71 4.8,4.7b
UPA V 04 22 55 13.5–1.1 9.23N 78.42W 60–6 4.4W,4.7b
INET V 04 22 55 18.0–2.0 10.07N 78.52W 30–10 4.8W,4.7b
ISC Event type se.
IDC Error ellipse: s-maj=16.3km s-min=8.9km az=60.0.
NEIC Event type se. Error ellipse: s-maj=12.5km s-min=9.2km az=208.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-0.13 $M_{\theta\theta}$-0.05 $M_{\phi\phi}$0.18 $M_{r\theta}$0.11 $M_{r\phi}$1.76 $M_{\theta\phi}$-0.41 NP1:ϕs267.64000°,δ76.55000°,λ-4.10000°. NP2:ϕs358.59000°,δ86.02000°,λ-166.51000°. Principal axes: T 1.8581,Plg7.0000°,Azm132.0000°; N -0.0787,Plg76.0000°,Azm15.0000°; P -1.7794,Plg12.0000°,Azm224.0000° $M_0$1.82000×10^{16}
NEIC Event type se.
UPA Error ellipse: s-maj=5.7km s-min=5.1km az=-1.0.

INET Error ellipse: s-maj=44.3km s-min=12.8km az=-1.0.
ISC V 14 11 46 14.7–2.0 9.7N–.10 79.50W–.05 33–4 28 1-5
UPA V 14 11 46 15.5–.42 9.69N 79.49W 27–2 3.9W ¶613505863
ISC Event type ke.
UPA Error ellipse: s-maj=2.4km s-min=1.3km az=-1.0.
ISC V 14 13 23 22.6–3.7 9.60N–.10 79.47W–.04 39–6 35 0-5
UPA V 14 13 23 21.9–.83 9.66N 79.49W 39–3 3.5W,3.3 ¶613505864
RSNC V 14 13 23 22.2–.34 9.27N 79.64W 79–5 3.2W,3.1L
ISC Event type ke.
UPA Error ellipse: s-maj=4.1km s-min=2.0km az=-1.0.
RSNC Error ellipse: s-maj=4.9km s-min=3.7km az=-1.0.
ISC V 29 07 09 56.9–1.4 10.00N–.07 80.02W–.03 48–28 51 1-6
UPA V 29 07 09 56.1–1.5 10.04N 80.07W 35–6 3.7W,3.7 ¶613505915
UCR V 29 07 10 00.7–1.7 10.99N 80.74W 1–999 3.6W,3.7
ISC Event type ke.
UPA Error ellipse: s-maj=4.8km s-min=3.0km az=-1.0.
UCR Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
UPA VI 01 00 47 49.0–1.6 7.67N 81.41W 7–6 4.1W
¶613508982
UPA Error ellipse: s-maj=4.1km s-min=2.8km az=-1.0.
ISC VI 01 03 56 34.1–1.8 7.06N–.06 80.20W–.04 5–12 28 1-8
UPA VI 01 03 56 36.8–.57 7.22N 80.28W 0–7 3.9W ¶613508985
ISC Event type ke.
UPA Error ellipse: s-maj=5.4km s-min=4.0km az=-1.0.
ISC VI 02 18 51 24.3–1.5 7.05N–.05 80.21W–.05 7–12 34 1-7
UPA VI 02 18 51 24.7–1.9 7.12N 80.27W 0–11 4.3W ¶613509002
RSNC VI 02 18 51 25.7–.51 7.02N 80.18W 4–7 3.3L
ISC Event type ke.
UPA Error ellipse: s-maj=14.7km s-min=5.8km az=-1.0.
RSNC Error ellipse: s-maj=5.9km s-min=8.9km az=-1.0.
UPA VI 03 03 24 40.8–2.1 7.19N 80.23W 0–5 3.9W
¶613509004
UPA Error ellipse: s-maj=6.1km s-min=3.4km az=-1.0.
ISC VI 05 08 36 05.6–1.4 7.20N–.05 78.32W–.03 7–12 35 1-3
RSNC VI 05 08 36 10.8–.72 7.23N 78.26W 15–3 2.3L ¶613509016
UPA VI 05 08 36 11.5–1.1 7.29N 78.35W 10–15 4.1W,3.9
ISC Event type ke.
RSNC Error ellipse: s-maj=4.4km s-min=3.0km az=-1.0.
UPA Error ellipse: s-maj=11.8km s-min=8.5km az=-1.0.
ISC VI 10 06 16 32.1–1.5 7.23N–.04 78.53W–.03 4–11 41 1-61
IDC VI 10 06 16 32.4–3.7 7.40N 78.38W 0 3.4,3.4b ¶610791578
UPA VI 10 06 16 34.2–1.4 7.17N 78.52W 16–13 3.7W,3.4b
ISC Event type ke.
IDC Error ellipse: s-maj=189.4km s-min=27.3km az=39.0.
UPA Error ellipse: s-maj=9.2km s-min=7.6km az=-1.0.
ISC VI 25 15 11 17.5–1.5 7.31N–.07 78.48W–.04 5–12 27 1-4
UPA VI 25 15 11 12.3–1.1 7.04N 78.13W 11–36 4.0W ¶613510116
RSNC VI 25 15 11 17.6–.90 7.22N 78.52W 4–6 2.4L
ISC Event type ke.
UPA Error ellipse: s-maj=25.5km s-min=20.6km az=-1.0.
RSNC Error ellipse: s-maj=8.3km s-min=4.4km az=-1.0.
ISC VI 27 13 34 41.6–3.9 7.20N–.07 78.49W–.05 7–28 26 1-4
UPA VI 27 13 34 42.3–1.1 7.10N 78.39W 22–35 3.4W ¶613510130
RSNC VI 27 13 34 42.9–1.0 7.24N 78.50W 0–7 2.6L
ISC Event type ke.
UPA Error ellipse: s-maj=12.6km s-min=9.6km az=-1.0.
RSNC Error ellipse: s-maj=9.5km s-min=6.0km az=-1.0.
ISC VI 28 21 14 15.1–1.3 7.46N–.04 78.59W–.03 1–9 3.7b 88 1-145
UPA VI 28 21 14 16.8–2.0 7.31N 78.58W 10–21 4.3W ¶610789670
IDC VI 28 21 14 17.4–1.5 7.82N 78.65W 0 3.8,3.7b
RSNC VI 28 21 14 17.0–.94 7.25N 78.61W 4–8 3.9W,3.5L
NEIC VI 28 21 14 17.3–1.6 7.7N–.10 78.42W–.08 10–1 4.2b,3.5L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(82) Panama-Colombia border region.

ISC I 19 03 26 17.4–2.7 7.07N–.04 77.61W–.06 26–20 3.8b 50 1-146
IDC I 19 03 26 13.4–1.0 6.99N 77.69W 0 3.9,3.7b ¶610237702
RSNC I 19 03 26 15.8–.85 7.04N 77.53W 0–6 3.7W,3.1L
ISC Event type ke.
IDC Error ellipse: s-maj=32.3km s-min=20.5km az=51.0.
RSNC Error ellipse: s-maj=3.2km s-min=6.6km az=-1.0.
ISC II 19 18 00 28.9–2.0 7.29N–.05 77.94W–.03 31–18 41 1-6
UPA II 19 18 00 25.0–.81 7.18N 77.93W 0–29 3.5W ¶612509985
RSNC II 19 18 00 27.9–.77 7.18N 77.99W 22–10 2.9L
ISC Event type ke.
UPA Error ellipse: s-maj=34.0km s-min=28.3km az=-1.0.
RSNC Error ellipse: s-maj=5.8km s-min=6.2km az=-1.0.
ISC IV 11 05 20 22.5–1.4 7.84N–.05 77.43W–.04 3–13 19 1-3
RSNC IV 11 05 20 26.3–1.0 7.67N 77.44W 1–7 1.9L ¶613505707
UPA IV 11 05 20 27.3–2.5 8.22N 77.29W 0–22 3.6W
ISC Event type ke.
RSNC Error ellipse: s-maj=6.5km s-min=4.4km az=-1.0.
UPA Error ellipse: s-maj=29.1km s-min=26.3km az=-1.0.
ISC IV 18 22 18 30.5–1.1 8.87N–.04 77.26W–.04 52–14 49 1-148
IDC IV 18 22 18 21.3–3.4 8.87N 76.69W 0 3.1,3.1b ¶610653010
RSNC IV 18 22 18 31.1–.60 8.85N 77.26W 50–9 3.4W,3.2L
ISC Event type ke.
IDC Error ellipse: s-maj=124.0km s-min=63.8km az=79.0.
RSNC Error ellipse: s-maj=1.9km s-min=1.6km az=-1.0.
ISC IV 27 08 30 28.6–1.1 8.44N–.03 77.04W–.02 25–11 67 0-6
UPA IV 27 08 30 28.0–1.0 8.37N 76.99W 24–28 4.3W ¶613505791
RSNC IV 27 08 30 29.5–1.0 8.48N 77.05W 27–5 3.0L
ISC Event type ke.
UPA Error ellipse: s-maj=10.8km s-min=14.3km az=-1.0.
RSNC Error ellipse: s-maj=2.9km s-min=3.1km az=-1.0.
ISC V 23 01 59 18.9–1.3 8.79N–.03 77.57W–.02 34–2 69 0-6
UPA V 23 01 59 18.5–.65 8.66N 77.54W 27–16 4.0W ¶613505889
RSNC V 23 01 59 20.5–1.3 8.80N 77.55W 39–6 3.2L
ISC Event type ke.
UPA Error ellipse: s-maj=5.4km s-min=8.1km az=-1.0.
RSNC Error ellipse: s-maj=4.2km s-min=3.7km az=-1.0.
ISC VI 21 05 36 50.1–1.3 7.30N–.03 77.26W–.02 14–10 51 1-6
UPA VI 21 05 36 50.8–1.9 7.19N 77.37W 10–145 4.0W ¶613510100
RSNC VI 21 05 36 51.4–1.4 7.30N 77.25W 8–5 2.6L
ISC Event type ke.
UPA Error ellipse: s-maj=73.3km s-min=117.6km az=-1.0.
RSNC Error ellipse: s-maj=3.9km s-min=2.8km az=-1.0.

(83) South of Panama.

ISC I 01 06 35 47.6–1.7 2.53N–.03 79.07W–.04 10–11 4.6b,3.8s 195 1-151
IDC I 01 06 35 45.9–.61 2.62N 79.18W 0 4.2,4.1b ¶609947730
RSNC I 01 06 35 48.0–.69 2.52N 79.35W 22–4 4.5W,3.9L
VAO I 01 06 35 49.0–.36 2.54N 78.97W 14 4.7b,3.9L
NEIC I 01 06 35 49.4–1.5 2.54N–.06 79.03W–.08 15–5 4.7b,3.9L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 01 07 38 27.0–1.4 2.61N–.03 79.29W–.04 15–9 4.2b,3.5s 94 1-143
IDC I 01 07 38 25.5–.81 2.64N 79.16W 0 3.8,3.7b ¶610236364
VAO I 01 07 38 26.3–1.5 2.53N 79.30W 10 4.4b,3.7b
RSNC I 01 07 38 27.6–.90 2.66N 79.14W 0–12 4.2W,3.3L
NEIC I 01 07 38 33.6–1.0 2.31N–.06 78.6W–.10 18–9 4.4b,3.3L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 06 13 01 54.3–1.6 5.1N–.20 82.7W–.20 35 3.4b 56 3-122
IDC II 06 13 01 49.9–2.8 5.64N 81.82W 0 4.1L,3.5 ¶610414971
ISC Event type ke.
IDC Error ellipse: s-maj=139.9km s-min=39.9km az=45.0.

ISC II 15 03 43 31.1–1.0 3.91N–.05 82.55W–.07 10 4.0b,3.2s 40 1-79
IDC II 15 03 43 29.8–1.6 3.82N 82.87W 0 4.0,3.9b **¶610415539**
UPA II 15 03 43 35.3–.33 4.25N 82.60W 0–28 4.8W,3.9b
ISC Event type ke.
IDC Error ellipse: s-maj=45.8km s-min=24.0km az=51.0.
UPA Error ellipse: s-maj=42.6km s-min=12.9km az=-1.0.
ISC III 05 08 49 53.6–1.1 4.6N–.10 82.5W–.10 10 3.7b 22 1-75
IDC III 05 08 49 52.9–8.7 4.53N 82.84W 0 3.7,3.5b **¶610545581**
ISC Event type ke.
IDC Error ellipse: s-maj=251.8km s-min=38.6km az=18.0.
ISC III 16 19 39 14.5–.71 4.57N–.06 82.60W–.07 10 4.3b,3.8s 116 1-108
NEIC III 16 19 39 15.6–2.8 4.67N–.06 82.62W–.04 10–1 4.4b,3.8s **¶610546333**
IDC III 16 19 39 17.6–3.0 4.96N 82.78W 0 3.8s,3.8
GCMT III 16 19 39 18.6–.30 4.73N–.02 82.69W–.03 35–1 5.0W,3.8
UCR III 16 19 39 51.6–1.9 7.42N 83.19W 0–135 4.4b,3.8W
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.0km s-min=6.7km az=160.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=71.3km s-min=27.4km az=23.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s18,c22; s92,c109;Duration: 0
Moment tensor: Scale 10^{16}Nm; Mrr0.11±.26 Mθθ-0.23±.19; Mϕϕ0.12±.24; Mrθ0.08±.16; Mθϕ3.91±.14; Mϕr0.45±.18; Best double couple: NP1:ϕs359.00000°,δ88.00000°,λ173.00000°. NP2:ϕs89.00000°,δ83.00000°,λ2.00000°. Principal axes: T 3.8960,Plg6.0000°,Azm314.0000° ; N 0.0890,Plg83.0000°,Azm165.0000°; P -3.9850,Plg3.0000°,Azm44.0000° M0 3.94100×10^{16}
UCR Error ellipse: s-maj=61.5km s-min=16.1km az=-1.0.
ISC III 22 01 33 25.6–1.7 7.6N–.10 82.5W–.20 12 3.5b 32 2-149
IDC III 22 01 33 22.4–4.9 7.31N 82.64W 0 3.6L,3.4 **¶610543436**
UCR III 22 01 33 24.2–1.5 7.25N 82.70W 10 4.0W,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=199.2km s-min=53.3km az=41.0.
UCR Error ellipse: s-maj=11.0km s-min=18.1km az=-1.0.
ISC III 24 09 00 56.0–.51 3.31N–.03 79.48W–.03 19–2 5.3b,4.2s 1440 1-177
IDC III 24 09 00 53.9–.46 3.42N 79.36W 0 4.9,4.9b **¶610434551**
MOS III 24 09 00 55.9–1.2 3.32N 79.47W 25 5.4b,4.9b
NEIC III 24 09 00 56.0–1.8 3.31N–.05 79.41W–.07 9–2 5.3b,5.2
NEIC III 24 09 00 56.2 3.30N 79.39W 16 5.3b,5.2
UPA III 24 09 00 56.6–3.9 3.62N 79.35W 0–69 4.6W,5.2
RSNC III 24 09 00 56.0–1.2 3.38N 79.48W 32–12 4.5W,4.3L
NEIC III 24 09 00 56.2 3.30N 79.39W 16 4.5W,4.3L
GCMT III 24 09 00 59.0–.10 3.31N–.01 79.59W–.01 12 5.2W,4.3L
BGR III 24 09 01 14.4 6.21N 78.11W 24–0 5.2b,4.3L
ISC Event type ke. Moment Tensor Solution. NP1:ϕs69.78360°,δ22.10235°,λ-82.47884°. NP2: ϕs241.67355°,δ68.09769°,λ-93.04276°. Principal axes: T Plg23.0401°,Azm334.0112° ; N Plg2.8229°,Azm242.8095°; P Plg66.7676°,Azm146.2135°
IDC Error ellipse: s-maj=17.5km s-min=10.1km az=56.0.
MOS Error ellipse: s-maj=9.3km s-min=4.8km az=105.1.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=6.9km az=69.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution.Duration: 2.0 Moment tensor: Scale 10^{16}Nm; Mrr-7.81 Mθθ5.91 Mϕϕ1.90 Mrθ4.20 Mθϕ0.11 Mϕr-1.56 NP1:ϕs279.28000°,δ61.37000° ,λ-82.50000°. NP2:ϕs83.92000°,δ29.52000°,λ-103.44000°. Principal axes: T 7.1116,Plg16.0000°,Azm4.0000°; N 2.0951,Plg7.0000°,Azm96.0000° ; P -9.2067,Plg73.0000°,Azm207.0000° M0 8.16000×10^{16}
UPA Error ellipse: s-maj=98.5km s-min=37.9km az=-1.0.
RSNC Error ellipse: s-maj=3.5km s-min=4.0km az=-1.0.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s102,c145; s139,c246;Duration: 1.0
Moment tensor: Scale 10^{17}Nm; Mrr-0.65±.01 Mθθ0.60±.01; Mϕϕ0.04±.01; Mrθ0.46±.02; Mθϕ-0.01±.01; Mϕr0.23±.03; Best double couple: NP1:ϕs255.00000°,δ65.00000°,λ-103.00000°. NP2:ϕs103.00000°,δ28.00000°,λ-65.00000°. Principal axes: T 0.7570,Plg19.0000° ,Azm354.0000°; N 0.0990,Plg12.0000°,Azm260.0000°; P -0.8570,Plg68.0000° ,Azm140.0000° M0 0.80700×10^{17}
BGR Event type ke.
ISC III 29 03 36 59.9–1.4 7.65N–.06 82.13W–.03 7–11 72 1-4
UPA III 29 03 37 01.4–1.1 7.72N 82.14W 3–4 4.1W **¶612728562**
UCR III 29 03 37 16.1–1.9 8.29N 82.86W 6–9 3.8W
ISC Event type ke.
UPA Error ellipse: s-maj=3.5km s-min=1.9km az=-1.0.
UCR Error ellipse: s-maj=6.6km s-min=13.0km az=-1.0.
ISC III 29 03 49 01.5–.29 5.33N–.04 82.62W–.04 15 5.2b,4.5s 961 2-156
UPA III 29 03 48 59.1–3.3 5.39N 82.76W 0–46 4.6W,4.5s **¶610441406**
IDC III 29 03 48 59.1–.47 5.32N 82.61W 0 4.9,4.8b
UCR III 29 03 49 00.5–1.7 5.48N 82.56W 5 5.3b,5.0W
NEIC III 29 03 49 01.5–2.0 5.36N–.05 82.59W–.03 10–1 5.5,5.3
NEIC III 29 03 49 02.7 5.33N 82.56W 10 5.5,5.3
SNET III 29 03 49 02.0–2.3 5.31N 82.59W 10–999 5.3L,5.3
NEIC III 29 03 49 02.7 5.30N 82.48W 14 5.3L,5.3
NEIC III 29 03 49 02.7 5.30N 82.58W 14 5.3L,5.3
GCMT III 29 03 49 04.5–.20 5.28N–.01 82.68W–.01 22–1 5.4W,5.3
ISC Event type se. Moment Tensor Solution. NP1:ϕs196.82939°,δ79.15218°,λ173.54837°. NP2: ϕs288.04858°,δ83.66413°,λ10.91531°. Principal axes: T Plg12.1875°,Azm152.7874° ; N Plg77.3984°,Azm317.8289°; P Plg3.1554°,Azm62.1051°
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; Mrr0.52 Mθθ-0.00 Mϕϕ-0.51 Mrθ-0.03 Mθϕ1.90 Mϕr0.09 NP1:ϕs183.82000°,δ89.98000°,λ-177.26000°. NP2:ϕs93.82000°,δ87.26000° ,λ-0.02000°. Principal axes: T 1.6607,Plg2.0000°,Azm319.0000°; N 0.5175,Plg87.0000° ,Azm184.0000°; P -2.1782,Plg2.0000°,Azm49.0000° M0 1.97000×10^{17}
NEIC Event type se.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2.3 Moment tensor: Scale 10^{17}Nm; Mrr-0.09 Mθθ0.11 Mϕϕ-0.02 Mrθ0.24 Mθϕ1.04 Mϕr-0.10 NP1:ϕs270.96000°,δ84.20000° ,λ-13.49000°. NP2:ϕs2.35000°,δ76.58000°,λ-174.03000°. Principal axes: T 1.1001,Plg5.0000°,Azm317.0000°; N -0.0415,Plg75.0000°,Azm68.0000° ; P -1.0586,Plg14.0000°,Azm226.0000° M0 1.08000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s66,c111; s83,c148;Duration: 1.2
Moment tensor: Scale 10^{17}Nm; Mrr0.11±.03 Mθθ0.10±.03; Mϕϕ-0.20±.03; Mrθ0.24±.04; Mθϕ1.36±.03; Mϕr0.04±.05; Best double couple: NP1:ϕs93.00000°,δ87.00000°,λ10.00000°. NP2:ϕs3.00000°,δ80.00000°,λ177.00000°. Principal axes: T 1.3490,Plg9.0000° ,Azm319.0000°; N 0.0830,Plg79.0000°,Azm111.0000°; P -1.4320,Plg5.0000°,Azm228.0000° M0 1.39100×10^{17}
ISC IV 09 03 09 45.3–1.7 5.68N–.04 82.55W–.04 10–10 5.0b,4.4s 744 2-156
IDC IV 09 03 09 44.7–.51 5.68N 82.42W 0 4.6,4.5b **¶610523787**
BJI IV 09 03 09 44.5–.00 5.70N 82.60W 5 5.1s,4.8
UPA IV 09 03 09 45.4–1.2 5.84N 82.53W 0–26 5.1W,4.8
NEIC IV 09 03 09 45.6 5.68N 82.62W 20 5.1W,4.8
NEIC IV 09 03 09 45.6 5.68N 82.42W 20 5.1W,4.8
NEIC IV 09 03 09 45.6–1.4 5.68N–.06 82.62W–.07 10–1 5.2,5.1b
BGR IV 09 03 09 49.8 5.43N 83.49W 10 4.7b,5.1b
GCMT IV 09 03 09 49.6–.10 5.69N–.01 82.59W–.01 21–0 5.3W,5.1b
ISC Event type ke. Moment Tensor Solution. NP1:ϕs205.47229°,δ85.55074°,λ157.60294°. NP2: ϕs297.30341°,δ67.67407°,λ4.81063°. Principal axes: T Plg18.8727°,Azm159.1745° ; N Plg67.1876°,Azm14.8116°; P Plg12.3426°,Azm253.4643°
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2.1 Moment tensor: Scale 10^{16}Nm; Mrr-0.25 Mθθ6.46 Mϕϕ-6.21 Mrθ-1.41 Mθϕ6.54 Mϕr0.30 NP1:ϕs292.11000°,δ88.88000° ,λ8.80000°. NP2:ϕs201.94000°,δ81.20000°,λ178.87000°. Principal axes: T 9.3703,Plg7.0000°,Azm157.0000°; N -0.3181,Plg81.0000°,Azm299.0000° ; P -9.0522,Plg5.0000°,Azm67.0000° M0 9.21000×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BGR Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s94,c150; s143,c237;Duration: 1.0
Moment tensor: Scale 10^{17}Nm; Mrr-0.07±.02 Mθθ0.68±.01; Mϕϕ-0.61±.02; Mrθ0.09±.03; Mθϕ0.75±.01; Mϕr0.04±.03; Best double couple: NP1:ϕs20.00000°,δ86.00000°,λ176.00000°. NP2:ϕs111.00000°,δ86.00000°,λ4.00000°. Principal axes: T 1.0330,Plg5.0000° ,Azm336.0000°; N -0.0740,Plg85.0000°,Azm157.0000°; P -0.9590,Plg0.0000°,Azm66.0000° M0 0.99600×10^{17}
ISC IV 09 19 11 06.5–.71 4.76N–.05 82.64W–.06 12 3.9b,3.3s 123 1-108
UPA IV 09 19 11 06.6–1.1 4.94N 82.65W 2–32 4.2W,3.3s **¶610652321**
IDC IV 09 19 11 06.7–1.4 5.26N 82.07W 0 4.4L,3.9
NEIC IV 09 19 11 07.6–2.3 5.06N–.08 82.4W–.10 10–2 4.1b,3.9
UCR IV 09 19 11 40.5–.34 7.30N 82.88W 15–87 4.1b,3.6W
ISC Event type ke.
UPA Error ellipse: s-maj=39.0km s-min=12.1km az=-1.0.
IDC Error ellipse: s-maj=140.4km s-min=23.0km az=58.0.
NEIC Event type se. Error ellipse: s-maj=21.8km s-min=11.1km az=243.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
UCR Error ellipse: s-maj=299.1km s-min=29.3km az=-1.0.
ISC IV 13 02 59 59.1–2.3 5.4N–.20 82.8W–.10 10 33 3-8
UCR IV 13 03 00 02.5–1.5 5.67N 82.68W 5 3.6W **¶615491696**
ISC Event type ke.
UCR Error ellipse: s-maj=10.5km s-min=19.8km az=-1.0.
ISC IV 18 22 44 51.5–1.5 5.30N–.06 80.06W–.08 35 38 2-6
RSNC IV 18 22 44 53.9–.42 5.35N 79.92W 30–8 2.7L **¶613505752**
UPA IV 18 22 44 53.3–1.8 5.65N 80.11W 0–39 4.3W
ISC Event type ke.
RSNC Error ellipse: s-maj=3.2km s-min=5.0km az=-1.0.
UPA Error ellipse: s-maj=53.2km s-min=19.3km az=-1.0.
ISC IV 20 05 54 29.1–1.8 6.61N–.10 82.73W–.06 10 101 2-9
UCR IV 20 05 54 29.9–2.2 6.50N 82.78W 35–67 4.1W **¶613505757**
UPA IV 20 05 54 30.3–1.8 6.73N 82.69W 5–15 4.0W
ISC Event type ke.
UCR Error ellipse: s-maj=40.1km s-min=12.1km az=-1.0.
UPA Error ellipse: s-maj=16.5km s-min=9.2km az=-1.0.
ISC IV 22 14 36 30.0–1.8 6.6N–.10 82.45W–.09 10 18 2-8
UPA IV 22 14 36 31.0–.45 6.54N 82.55W 5–14 3.9W **¶613505769**
ISC Event type ke.
UPA Error ellipse: s-maj=17.4km s-min=10.7km az=-1.0.
ISC IV 24 05 56 21.2–1.8 7.32N–.06 82.76W–.04 2–10 3.6b 219 1-92
UCR IV 24 05 56 22.6–2.0 7.14N 82.88W 35–25 4.3W **¶616566865**
UPA IV 24 05 56 24.5–1.2 7.44N 82.68W 15–9 4.4W
INET IV 24 05 56 24.2–1.9 7.29N 82.80W 23–42 3.9L
IDC IV 24 05 56 28.2–3.5 8.77N 82.18W 0 4.3L,3.7
ISC Event type ke.
UCR Error ellipse: s-maj=15.2km s-min=6.2km az=-1.0.
UPA Error ellipse: s-maj=7.1km s-min=5.3km az=-1.0.
INET Error ellipse: s-maj=17.7km s-min=10.3km az=-1.0.
IDC Error ellipse: s-maj=103.1km s-min=27.6km az=20.0.
ISC V 04 08 46 04.0–.88 5.23N–.03 78.12W–.05 10 46 1-145
IDC V 04 08 46 03.2–1.5 4.78N 78.64W 0 3.7,3.6b **¶610689539**
RSNC V 04 08 46 09.0–.94 5.01N 78.21W 23–4 3.2W,2.8L
ISC Event type ke.
IDC Error ellipse: s-maj=48.2km s-min=27.0km az=36.0.
RSNC Error ellipse: s-maj=4.3km s-min=5.0km az=-1.0.
ISC V 22 21 29 35.4–2.0 7.53N–.08 82.92W–.06 29–13 47 1-3
UCR V 22 21 29 39.9–1.2 7.69N 82.97W 6–14 3.8W **¶613505888**
UPA V 22 21 29 40.0–2.2 7.65N 82.72W 28–14 4.3W
ISC Event type ke.
UCR Error ellipse: s-maj=8.3km s-min=13.0km az=-1.0.
UPA Error ellipse: s-maj=7.0km s-min=8.4km az=-1.0.
ISC V 26 20 32 00.4–2.1 6.5N–.10 82.5W–.10 10 18 2-8
UPA V 26 20 31 58.6–.77 6.46N 82.54W 0–79 4.6W **¶613505904**
ISC Event type ke.
UPA Error ellipse: s-maj=120.0km s-min=73.4km az=-1.0.
ISC V 28 01 58 14.9–.43 4.35N–.05 82.61W–.06 10 4.5b,3.6s 219 3-141
IDC V 28 01 58 13.4–.67 4.27N 82.63W 0 4.3,4.1b **¶610655174**
NEIC V 28 01 58 16.0–2.5 4.31N–.04 82.56W–.07 10–1 4.5b,4.1b
UPA V 28 01 58 25.2–1.6 5.12N 82.75W 10 4.4W,4.1b
UCR V 28 01 58 38.1–1.4 6.05N 82.94W 5 4.5b,4.2W
ISC Event type se.
IDC Error ellipse: s-maj=22.7km s-min=12.1km az=62.0.
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=7.5km az=261.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
UPA Error ellipse: s-maj=20.7km s-min=12.3km az=-1.0.
UCR Error ellipse: s-maj=150.6km s-min=43.7km az=-1.0.
ISC V 30 21 05 17.0–.87 6.88N–.08 80.54W–.08 10 3.7b 26 2-144
IDC V 30 21 05 14.8–2.2 6.91N 80.53W 0 3.7,3.7b **¶610685747**
ISC Event type ke.
IDC Error ellipse: s-maj=66.7km s-min=33.4km az=25.0.
ISC VI 01 15 11 19.2–1.3 6.99N–.03 80.20W–.02 3–8 4.3b,3.7s 150 1-144
IDC VI 01 15 11 19.4–1.4 7.00N 80.41W 0 3.9,3.9b **¶610791058**
RSNC VI 01 15 11 20.5–.79 6.90N 80.28W 5–9 3.9W,3.5L
UPA VI 01 15 11 21.1–1.3 7.13N 80.27W 0–6 4.4W,4.4
NEIC VI 01 15 11 21.0–2.5 6.97N–.05 80.18W–.06 10–1 4.4b,4.4
ISC Event type se.
UPA Moment Tensor Solution. NP1:ϕs249.07000°,δ55.61000°,λ-6.93000°.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 02 18 21 14.2–1.5 6.97N–.04 80.18W–.03 3–9 3.6s,3.4b 64 1-144
IDC VI 02 18 21 12.9–2.1 6.38N 80.13W 0 3.7,3.5s **¶610791117**
UPA VI 02 18 21 15.6–1.8 7.04N 80.27W 0–8 4.1W,3.5s
ISC Event type ke.
IDC Error ellipse: s-maj=73.6km s-min=22.9km az=24.0.
UPA Error ellipse: s-maj=13.2km s-min=4.6km az=-1.0.
ISC VI 10 00 27 12.2–1.6 7.84N–.05 82.68W–.03 3–11 96 0-5
UCR VI 10 00 27 14.9–1.8 7.84N 82.69W 12–8 4.2W **¶612702096**
UPA VI 10 00 27 15.7–.86 7.88N 82.65W 18–4 4.2W
INET VI 10 00 27 18.5–.24 7.99N 83.08W 1–0 3.6
ISC Event type ke.
UCR Error ellipse: s-maj=5.9km s-min=4.3km az=-1.0.
UPA Error ellipse: s-maj=3.9km s-min=4.0km az=-1.0.
INET Error ellipse: s-maj=1.9km s-min=6.8km az=-1.0.
ISC VI 11 07 17 17.8–1.7 4.96N–.07 82.92W–.09 35 45 2-9
UCR VI 11 07 17 20.1–1.8 5.05N 82.83W 28–999 3.8W **¶613509034**
UPA VI 11 07 17 21.9–.70 5.22N 82.70W 29–183 4.3W
ISC Event type ke.
UCR Error ellipse: s-maj=999.9km s-min=206.7km az=-1.0.
UPA Error ellipse: s-maj=60.2km s-min=23.2km az=-1.0.
ISC VI 12 11 58 27.8–2.1 6.5N–.10 82.71W–.10 10 38 2-9
UCR VI 12 11 58 28.9–1.7 6.34N 82.90W 35–999 3.9W **¶613509105**
UPA VI 12 11 58 31.0–.74 6.74N 82.67W 10–14 4.1W
ISC Event type ke.
UCR Error ellipse: s-maj=22.1km s-min=27.5km az=-1.0.
UPA Error ellipse: s-maj=21.8km s-min=9.6km az=-1.0.
ISC VI 13 22 02 46.9–2.6 7.2N–.20 82.33W–.08 10 16 1-3
UCR VI 13 22 02 48.5–.96 7.17N 82.35W 25 3.6W **¶613509112**
UPA VI 13 22 02 49.6–.47 7.23N 82.33W 30–12 3.8W
ISC Event type ke.
UCR Error ellipse: s-maj=22.4km s-min=3.0km az=-1.0.
UPA Error ellipse: s-maj=4.7km s-min=5.3km az=-1.0.
ISC VI 14 09 03 00.2–.61 5.79N–.05 82.64W–.05 14 4.0b 268 2-61
IDC VI 14 09 02 58.0–1.2 5.74N 82.71W 0 4.1,3.8b **¶610673075**
UPA VI 14 09 02 59.1–1.5 5.87N 82.66W 0 4.5W,3.8b
NEIC VI 14 09 02 59.2–1.2 5.78N–.07 82.70W–.08 10–1 4.4b,3.8b
UCR VI 14 09 03 00.5–1.8 5.73N 82.58W 35–45 4.4b,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=33.8km s-min=17.9km az=58.0.
UPA Error ellipse: s-maj=5.4km s-min=5.0km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=15.9km s-min=7.2km az=51.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
UCR Error ellipse: s-maj=27.8km s-min=8.1km az=-1.0.
ISC VI 15 03 45 01.9–.32 4.15N–.04 82.62W–.04 14 4.7b,3.7s 514 1-146

UPA VI 15 03 44 56.1–1.3 3.93N 82.32W 10 4.7W,3.7s ¶610674312
IDC VI 15 03 44 59.8–.50 4.20N 82.69W 0 4.5,4.4b
UCR VI 15 03 45 00.5–1.1 4.31N 82.81W 0–23 4.7b,4.4b
NEIC VI 15 03 45 02.2–1.8 4.17N–.06 82.67W–.07 10–1 4.7b,4.4b
INET VI 15 03 45 03.9–1.6 4.19N 82.86W 6 4.1W,4.4b
ISC Event type se.
UPA Error ellipse: s-maj=11.4km s-min=9.1km az=-1.0.
IDC Error ellipse: s-maj=18.9km s-min=10.9km az=60.0.
UCR Error ellipse: s-maj=49.3km s-min=11.2km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=10.2km az=247.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
INET Error ellipse: s-maj=12.8km s-min=16.2km az=-1.0.
ISC VI 15 07 16 40.0–1.1 3.7N–.10 82.50W–.09 10 3.6b,3.3s 16 4-79
IDC VI 15 07 16 36.3–1.6 2.18N 84.80W 0 3.6,3.6b ¶610791923
ISC Event type ke.
IDC Error ellipse: s-maj=72.4km s-min=26.3km az=57.0.
ISC VI 19 09 24 43.6–.65 6.26N–.03 82.49W–.02 42–18 4.0b 175 2-24
UCR VI 19 09 24 41.6–1.4 6.23N 82.42W 29–34 4.1b,4.0W ¶611151068
UPA VI 19 09 24 41.4–2.0 6.10N 82.49W 43–85 4.5W,4.0W
NEIC VI 19 09 24 41.3–1.6 6.30N–.08 82.49W–.08 10–2 4.1b,4.0W
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 19 23 27 10.9–1.5 5.79N–.04 79.06W–.04 6–16 39 2-5
UPA VI 19 23 27 20.0–2.3 5.94N 79.40W 0–31 4.0W ¶613509136
RSNC VI 19 23 27 22.3–.59 5.63N 78.77W 2–9 2.6L
ISC Event type ke.
UPA Error ellipse: s-maj=44.3km s-min=14.2km az=-1.0.
RSNC Error ellipse: s-maj=5.4km s-min=9.6km az=-1.0.
ISC VI 20 04 35 50.9–3.7 6.2N–.10 82.47W–.08 8–27 70 2-9
UCR VI 20 04 35 53.8–1.7 6.17N 82.46W 34–999 4.1W ¶613509137
UPA VI 20 04 35 55.3–2.2 6.47N 82.44W 7–32 4.2W
ISC Event type ke.
UCR Error ellipse: s-maj=607.8km s-min=211.7km az=-1.0.
UPA Error ellipse: s-maj=36.9km s-min=14.9km az=-1.0.
ISC VI 21 07 02 19.0–1.6 6.30N–.08 82.40W–.07 10 57 2-9
UPA VI 21 07 02 19.1–.66 6.25N 82.37W 10–15 3.8W ¶613510098
UCR VI 21 07 02 20.3–1.2 6.25N 82.88W 5 3.9W
ISC Event type ke.
UPA Error ellipse: s-maj=13.8km s-min=5.4km az=-1.0.
UCR Error ellipse: s-maj=9.5km s-min=26.7km az=-1.0.
UPA VI 22 00 47 17.0–2.0 7.18N 82.34W 10–19 4.2W
INET VI 22 00 47 50.7–1.3 9.11N 83.81W 16–9 2.5 ¶613510109
UPA Error ellipse: s-maj=15.0km s-min=7.7km az=-1.0.
INET Error ellipse: s-maj=19.0km s-min=13.1km az=-1.0.
ISC VI 22 12 53 29.5–2.0 6.6N–.10 82.36W–.09 10 25 2-8
UPA VI 22 12 53 28.3–1.9 6.46N 82.37W 10–141 3.9W ¶613510102
UCR VI 22 12 53 28.2–.94 6.25N 82.53W 35–967 4.2W
ISC Event type ke.
UPA Error ellipse: s-maj=123.7km s-min=75.6km az=-1.0.
UCR Error ellipse: s-maj=568.2km s-min=200.4km az=-1.0.
ISC VI 23 04 02 53.4–3.8 6.52N–.06 82.37W–.04 3–25 4.4b,3.6s 428 2-148
NEIC VI 23 04 02 53.7–2.8 6.57N–.03 82.33W–.06 10–1 4.5b,3.6s ¶610693799
UPA VI 23 04 02 54.2–1.1 6.58N 82.38W 8–14 4.5W,3.6s
IDC VI 23 04 02 54.9–2.5 6.78N 82.42W 0 4.1,4.0b
UCR VI 23 04 02 54.2–2.6 6.44N 82.34W 36–32 4.5b,4.5W
GCMT VI 23 04 02 58.7–.40 6.51N–.02 82.41W–.03 23–1 4.7W,4.5W
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s4,c4; s73,c102;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.27±.11 $M_{\theta\theta}$0.53±.08; $M_{\phi\phi}$-0.25±.09; $M_{r\theta}$0.49±.15; $M_{\theta\phi}$1.51±.07; $M_{\phi r}$-0.05±.12; Best double couple: NP1:ϕ_s276.00000°,δ86.00000°,λ-19.00000°. NP2:ϕ_s8.00000°,δ71.00000°,λ-176.00000°. Principal axes: T 1.7600,Plg10.0000° ,Azm323.0000°; N -0.2390,Plg71.0000°,Azm85.0000°; P -1.5210,Plg16.0000° ,Azm230.0000° $M_0$1.64000×10^{16}
ISC VI 23 19 46 03.2–1.8 6.20N–.08 82.50W–.09 10 27 2-8
UPA VI 23 19 46 06.3–.67 6.33N 82.42W 8–25 4.2W ¶613510110
ISC Event type ke.
UPA Error ellipse: s-maj=36.4km s-min=12.3km az=-1.0.
ISC VI 24 00 48 15.2–1.8 6.50N–.05 82.42W–.04 23–12 4.7b,4.2s 809 2-148
IDC VI 24 00 48 09.3–.76 6.58N 82.32W 0 4.1s,4.1 ¶610694342
INET VI 24 00 48 13.1–.53 6.43N 82.45W 15 4.8W,4.1
UPA VI 24 00 48 13.2–2.5 6.57N 82.43W 8–21 5.0W,4.1
UCR VI 24 00 48 14.3–1.7 6.64N 82.30W 20 5.2W,4.7b
NEIC VI 24 00 48 14.9–1.6 6.58N–.05 82.38W–.07 10–1 4.7b,4.7b
GCMT VI 24 00 48 16.9–.20 6.54N–.01 82.40W–.01 23–0 5.2W,4.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s82,c117; s139,c224;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.11±.14 $M_{\theta\theta}$1.69±.11; $M_{\phi\phi}$-1.80±.14; $M_{r\theta}$0.81±.18; $M_{\theta\phi}$6.90±.11; $M_{\phi r}$0.34±.18; Best double couple: NP1:ϕ_s97.00000°,δ86.00000°,λ6.00000°. NP2:ϕ_s7.00000°,δ84.00000°,λ176.00000°. Principal axes: T 7.1640,Plg7.0000° ,Azm322.0000°; N 0.0120,Plg83.0000°,Azm127.0000°; P -7.1800,Plg2.0000°,Azm232.0000° $M_0$7.17200×10^{16}
ISC VI 26 06 59 04.0–2.4 5.48N–.04 82.68W–.04 2–16 4.4b,3.2s 318 3-148
NEIC VI 26 06 59 05.2–2.2 5.43N–.07 82.79W–.09 10–2 4.5b,3.2s ¶610694763
UPA VI 26 06 59 06.4–2.8 5.58N 82.71W 0–59 4.7W,3.2s
UCR VI 26 06 59 06.8–1.7 5.42N 82.61W 28–54 4.5b,4.3W
IDC VI 26 06 59 07.4–2.7 5.74N 82.56W 0 4.0,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.3km s-min=10.5km az=238.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
UPA Error ellipse: s-maj=84.8km s-min=27.7km az=-1.0.
UCR Error ellipse: s-maj=31.5km s-min=7.7km az=-1.0.
IDC Error ellipse: s-maj=63.5km s-min=20.2km az=18.0.

SEISMIC REGION 7. Caribbean Loop.

(85) Cuba region.

ISC I 02 05 34 09.3–1.4 19.56N–.03 77.81W–.05 10–11 19 1-3
SSNC I 02 05 34 11.1–1.3 19.56N 77.80W 1–5 2.8,2.7W ¶612509429
JSN I 02 05 34 29.1–3.4 18.61N 77.01W 0–212 2.6,2.7W
ISC Event type ke.
SSNC Error ellipse: s-maj=3.2km s-min=3.5km az=-1.0.
JSN Error ellipse: s-maj=201.9km s-min=55.1km az=-1.0.
ISC I 17 09 08 01.2–.49 19.77N–.03 76.64W–.03 11–2 5.5s,5.5b 1948 1-160
IDC I 17 09 07 59.7–.36 19.84N 76.57W 0 5.2s,5.1 ¶610098883
MOS I 17 09 07 59.8–.88 19.82N 76.70W 10 5.6b,5.3s
SSNC I 17 09 08 00.5–1.5 19.69N 76.67W 10–6 5.8W,5.5L
OSPL I 17 09 08 00.9–3.0 19.75N 76.76W 2–25 5.2L,5.5L
NEIC I 17 09 08 02.0–1.7 19.85N–.06 76.59W–.06 11–1 5.8,5.7
NEIC I 17 09 08 05 19.86N 76.70W 12 5.8,5.7
GCMT I 17 09 08 07.0–.10 19.94N 76.60W 12 5.8W,5.7
BGR I 17 09 08 09.3 19.45N 75.24W 33 5.4b,5.3s
JSN I 17 09 08 09.6–1.4 19.30N 76.75W 30–133 5.1,5.3s
ISC Event type se.
IDC Error ellipse: s-maj=12.3km s-min=9.4km az=64.0.
MOS Error ellipse: s-maj=6.1km s-min=4.2km az=96.6.
SSNC Error ellipse: s-maj=4.0km s-min=3.5km az=-1.0.
OSPL Error ellipse: s-maj=33.3km s-min=28.0km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=8.7km az=216.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}2.61 $M_{\theta\theta}$-2.78 $M_{\phi\phi}$0.17 $M_{r\theta}$3.05 $M_{\theta\phi}$1.06 $M_{\phi r}$-1.20 NP1:ϕ_s110.89000°,δ69.46000°,λ92.50000°. NP2:ϕ_s283.80000°,δ20.69000° ,λ83.36000°. Principal axes: T 4.1017,Plg65.0000°,Azm25.0000°; N 0.5018,Plg2.0000° ,Azm290.0000°; P -4.6035,Plg24.0000°,Azm199.0000° $M_0$4.37000×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 6s0 Moment tensor: Scale 10^{17}Nm; M_{rr}5.32 $M_{\theta\theta}$-4.68 $M_{\phi\phi}$-0.64 $M_{r\theta}$4.29 $M_{\theta\phi}$1.88 $M_{\phi r}$-2.22 NP1:ϕ_s287.00000°,δ24.00000° ,λ83.00000°. NP2:ϕ_s115.00000°,δ66.00000°,λ93.00000°. Principal axes: T 7.1855,Plg69.0000°,Azm32.0000°; N 0.0789,Plg3.0000°,Azm294.0000° ; P -7.2644,Plg21.0000°,Azm203.0000° $M_0$7.23000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s135,c273; s164,c514; Duration: 2s0 Moment tensor: Scale 10^{17}Nm; M_{rr}5.40±.03 $M_{\theta\theta}$-4.53±.03; $M_{\phi\phi}$-0.86±.03; $M_{r\theta}$4.45±.10; $M_{\theta\phi}$1.81±.03; $M_{\phi r}$-1.93±.11; Best double couple: NP1:ϕ_s113.00000°,δ66.00000° ,λ91.00000°. NP2:ϕ_s292.00000°,δ24.00000°,λ89.00000°. Principal axes: T 7.2750,Plg69.0000°,Azm24.0000°; N -0.1250,Plg1.0000°,Azm293.0000° ; P -7.1480,Plg21.0000°,Azm203.0000° $M_0$7.21200×10^{17}
BGR Event type ke.
JSN Error ellipse: s-maj=69.8km s-min=35.4km az=-1.0.
ISC I 17 09 28 41.1–1.9 19.79N–.07 76.72W–.07 13–12 25 1-2
SSNC I 17 09 28 43.7–1.2 19.73N 76.69W 6–8 3.7L,3.5W ¶612509507
OSPL I 17 09 28 44.1–1.1 19.52N 76.56W 0–999 2.6L,3.5W
JSN I 17 09 28 45.6–.55 19.68N 76.64W 30–999 3.8,3.5W
ISC Event type ke.
SSNC Error ellipse: s-maj=2.7km s-min=3.3km az=-1.0.
OSPL Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
JSN Error ellipse: s-maj=12.8km s-min=8.3km az=-1.0.
ISC I 17 15 46 19.6–1.2 19.72N–.04 76.75W–.04 28–14 23 0-2
SSNC I 17 15 46 21.5–1.2 19.72N 76.69W 3–5 3.5W,3.4L ¶612509524
OSPL I 17 15 46 22.0–.80 19.53N 76.56W 1–508 2.7L,3.4L
JSN I 17 15 46 23.5–.47 19.70N 76.64W 31–999 3.5,3.4L
ISC Event type ke.
SSNC Error ellipse: s-maj=2.8km s-min=3.2km az=-1.0.
OSPL Error ellipse: s-maj=999.9km s-min=797.9km az=-1.0.
JSN Error ellipse: s-maj=9.7km s-min=6.4km az=-1.0.
ISC I 18 01 38 51.4–1.3 19.78N–.05 76.63W–.05 35–8 21 0-2
SSNC I 18 01 38 51.7–.91 19.69N 76.64W 1–4 2.8W,2.7 ¶612509539
JSN I 18 01 38 54.2–.43 19.63N 76.56W 30–328 4.0,2.7
ISC Event type ke.
SSNC Error ellipse: s-maj=2.4km s-min=2.2km az=-1.0.
JSN Error ellipse: s-maj=146.1km s-min=54.9km az=-1.0.
ISC I 18 05 20 23.5–1.5 19.72N–.04 76.67W–.04 10–12 27 1-7
OSPL I 18 05 20 24.4–1.7 19.75N 76.75W 0–163 3.2L ¶612509548
SSNC I 18 05 20 25.8–.87 19.70N 76.64W 1–3 3.6W,3.6
JSN I 18 05 20 27.2–.49 19.70N 76.60W 30–999 4.2,3.6
ISC Event type ke.
OSPL Error ellipse: s-maj=252.7km s-min=201.5km az=-1.0.
SSNC Error ellipse: s-maj=2.3km s-min=1.8km az=-1.0.
JSN Error ellipse: s-maj=14.4km s-min=7.3km az=-1.0.
ISC I 18 15 01 10.4–2.1 19.72N–.05 76.64W–.04 15–16 17 0-2
JSN I 18 15 01 11.5–.44 19.75N 76.62W 15–409 3.2 ¶612509560
SSNC I 18 15 01 12.6–2.2 19.71N 76.66W 7–15 2.9,2.9L
ISC Event type ke.
JSN Error ellipse: s-maj=182.2km s-min=61.0km az=-1.0.
SSNC Error ellipse: s-maj=6.3km s-min=4.8km az=-1.0.
ISC I 19 01 37 09.6–1.3 19.73N–.04 76.67W–.03 25–14 28 0-4
JSN I 19 01 37 10.4–.50 19.80N 76.57W 30–999 4.0 ¶612509578
SSNC I 19 01 37 10.6–1.2 19.71N 76.62W 1–5 3.3L,3.2W
OSPL I 19 01 37 13.0–.90 19.49N 76.55W 69–36 2.9L,3.2W
ISC Event type ke.
JSN Error ellipse: s-maj=10.3km s-min=7.0km az=-1.0.
SSNC Error ellipse: s-maj=4.5km s-min=2.9km az=-1.0.
OSPL Error ellipse: s-maj=30.3km s-min=22.1km az=-1.0.
ISC I 19 01 49 05.6–1.3 19.70N–.06 76.64W–.04 17–12 19 1-2
SSNC I 19 01 49 07.6–1.2 19.72N 76.65W 7–10 3.1W,3.0 ¶612509582
OSPL I 19 01 49 08.1–.54 19.26N 76.32W 118–8 2.5L,3.0
JSN I 19 01 49 08.6–.29 19.65N 76.56W 43–7 3.7,3.0
ISC Event type ke.
SSNC Error ellipse: s-maj=4.1km s-min=2.7km az=-1.0.
OSPL Error ellipse: s-maj=44.7km s-min=34.0km az=-1.0.
JSN Error ellipse: s-maj=7.1km s-min=9.6km az=-1.0.
ISC I 19 02 48 52.0–1.5 19.64N–.05 76.66W–.05 11–12 23 1-2
OSPL I 19 02 48 53.1–.76 19.62N 76.67W 0–136 2.4L ¶612509589
JSN I 19 02 48 54.2–.43 19.72N 76.65W 30–999 3.7
SSNC I 19 02 48 54.0–1.4 19.67N 76.68W 5–10 3.2,3.0W
ISC Event type ke.
OSPL Error ellipse: s-maj=222.7km s-min=170.3km az=-1.0.
JSN Error ellipse: s-maj=8.7km s-min=5.8km az=-1.0.
SSNC Error ellipse: s-maj=4.8km s-min=4.3km az=-1.0.
ISC I 20 01 48 37.3–1.0 19.81N–.05 75.69W–.03 27–8 26 0-4
SSNC I 20 01 48 39.0–1.4 19.78N 75.69W 12–7 3.7W,3.6L ¶612509624
JSN I 20 01 48 39.3–.76 19.71N 75.61W 30–999 4.2,3.6L
ISC Event type ke.
SSNC Error ellipse: s-maj=4.9km s-min=2.7km az=-1.0.
JSN Error ellipse: s-maj=417.2km s-min=392.3km az=-1.0.
ISC I 20 06 15 14.4–1.7 19.85N–.04 76.86W–.04 7–13 26 0-2
SSNC I 20 06 15 18.1–1.0 19.75N 76.74W 3–6 3.5W,3.5 ¶612509628
OSPL I 20 06 15 19.6–.50 19.51N 76.56W 5 2.8L,3.5
JSN I 20 06 15 19.7–.50 19.73N 76.67W 30–999 3.9,3.5
ISC Event type ke.
SSNC Error ellipse: s-maj=2.9km s-min=3.0km az=-1.0.
OSPL Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
JSN Error ellipse: s-maj=11.2km s-min=7.8km az=-1.0.
ISC I 20 06 22 30.8–1.4 19.81N–.03 76.82W–.04 9–13 20 0-2
SSNC I 20 06 22 34.6–.79 19.76N 76.73W 6–4 3.1W,3.1 ¶612509629
JSN I 20 06 22 35.5–.51 19.77N 76.66W 29–999 3.8,3.1
ISC Event type ke.
SSNC Error ellipse: s-maj=1.6km s-min=1.5km az=-1.0.
JSN Error ellipse: s-maj=12.7km s-min=8.3km az=-1.0.
ISC I 20 13 30 28.8–1.3 19.59N–.05 77.8W–.10 10 9 1-2
SSNC I 20 13 30 30.7–.67 19.51N 77.86W 60–16 2.7L,2.6 ¶612509637
JSN I 20 13 30 34.8–.32 19.40N 77.51W 12–93 3.5,2.6
ISC Event type ke.
SSNC Error ellipse: s-maj=6.4km s-min=6.4km az=-1.0.
JSN Error ellipse: s-maj=62.2km s-min=14.3km az=-1.0.
ISC I 21 10 29 00.5–1.5 19.85N–.05 76.78W–.04 16–11 24 0-2
OSPL I 21 10 29 01.3–2.7 19.83N 76.81W 0–137 2.1L ¶612509672
SSNC I 21 10 29 02.2–1.6 19.72N 76.72W 0–7 2.6,2.5W
ISC Event type ke.
OSPL Error ellipse: s-maj=177.9km s-min=139.2km az=-1.0.
SSNC Error ellipse: s-maj=6.9km s-min=3.0km az=-1.0.
ISC I 22 23 04 43.1–2.1 19.7N–.10 76.6W–.10 10–11 21 1-2
SSNC I 22 23 04 44.8–1.2 19.73N 76.65W 5–5 3.0W,2.7 ¶612509700
OSPL I 22 23 04 46.3–1.3 19.53N 76.52W 8–999 2.0L,2.7
JSN I 22 23 04 52.1–.84 18.68N 76.50W 158–20 3.6,2.7
ISC Event type ke.
SSNC Error ellipse: s-maj=3.0km s-min=2.2km az=-1.0.
OSPL Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
JSN Error ellipse: s-maj=59.2km s-min=16.5km az=-1.0.
ISC I 25 08 20 32.0–1.4 19.75N–.06 76.70W–.04 15–11 13 0-2
SSNC I 25 08 20 33.5–1.7 19.75N 76.72W 4–9 2.6W,2.5 ¶612509736
OSPL I 25 08 20 36.5–1.5 19.52N 76.55W 16–999 2.2L,2.5
ISC Event type ke.
SSNC Error ellipse: s-maj=7.9km s-min=3.1km az=-1.0.
OSPL Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
ISC I 26 03 32 00.0–1.4 19.72N–.04 76.69W–.04 11–12 25 0-2
OSPL I 26 03 32 03.3–.97 19.64N 76.70W 0–144 2.3L ¶612509745
SSNC I 26 03 32 03.1–1.4 19.67N 76.71W 1–5 2.9,2.8W
JSN I 26 03 32 04.1–.51 19.76N 76.65W 30–402 3.6,2.8W
ISC Event type ke.
OSPL Error ellipse: s-maj=257.7km s-min=201.3km az=-1.0.
SSNC Error ellipse: s-maj=3.3km s-min=2.3km az=-1.0.
JSN Error ellipse: s-maj=182.5km s-min=54.6km az=-1.0.
SSNC I 28 20 53 12.9–.97 20.05N 75.86W 5 2.1,1.8L

¶612509796
SSNC Error ellipse: s-maj=10.0km s-min=4.2km az=-1.0.
ISC II 02 23 07 31.4–1.4 19.75N–.04 75.50W–.03 1–12 32 0-4
OSPL II 02 23 07 35.9–2.0 19.79N 75.55W 12–8 3.0L ¶612509851
SSNC II 02 23 07 36.7–1.0 19.75N 75.44W 28–8 3.4W,3.1
JSN II 02 23 07 37.2–1.1 19.65N 75.40W 26–999 4.0,3.1
ISC Event type ke.
OSPL Error ellipse: s-maj=17.9km s-min=9.6km az=-1.0.
SSNC Error ellipse: s-maj=3.2km s-min=2.0km az=-1.0.
JSN Error ellipse: s-maj=718.0km s-min=812.6km az=-1.0.
ISC II 07 04 11 06.6–1.4 19.61N–.07 75.56W–.04 35–4 18 0-2
SSNC II 07 04 11 07.8–.87 19.61N 75.58W 33–4 2.8W,2.5 ¶612509878
OSPL II 07 04 11 08.0–.41 19.68N 75.60W 31–8 1.9L,2.5
ISC Event type ke.
SSNC Error ellipse: s-maj=3.9km s-min=2.0km az=-1.0.
OSPL Error ellipse: s-maj=16.3km s-min=10.5km az=-1.0.
ISC II 14 02 08 06.2–1.7 19.73N–.04 76.73W–.05 12–13 21 1-2
SSNC II 14 02 08 08.7–1.4 19.63N 76.65W 2–8 3.1,2.9W ¶612509936
OSPL II 14 02 08 09.6–.63 19.53N 76.58W 6–753 2.2L,2.9W
JSN II 14 02 08 12.4–.78 19.51N 76.56W 43–19 3.4,2.9W
ISC Event type ke.
SSNC Error ellipse: s-maj=8.1km s-min=4.4km az=-1.0.
OSPL Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
JSN Error ellipse: s-maj=15.5km s-min=21.8km az=-1.0.
ISC II 18 09 28 27.2–1.4 19.82N–.04 76.80W–.04 21–5 25 0-2
SSNC II 18 09 28 28.3–1.8 19.74N 76.71W 3–6 3.1,2.9W ¶612509964
OSPL II 18 09 28 29.3–.34 19.90N 76.82W 54–133 2.4L,2.9W
JSN II 18 09 28 29.7–.49 19.76N 76.68W 30–999 3.8,2.9W
ISC Event type ke.
SSNC Error ellipse: s-maj=3.4km s-min=3.0km az=-1.0.
OSPL Error ellipse: s-maj=20.7km s-min=14.8km az=-1.0.
JSN Error ellipse: s-maj=13.4km s-min=12.6km az=-1.0.
ISC II 19 05 15 20.3–1.4 19.72N–.04 75.61W–.04 30–15 24 1-3
SSNC II 19 05 15 22.1–.84 19.70N 75.51W 24–4 3.2W,2.9 ¶612509974
JSN II 19 05 15 23.2–1.4 19.71N 75.57W 32–999 3.4,2.9
OSPL II 19 05 15 23.4–.87 19.76N 75.56W 36–16 2.4L,2.9
ISC Event type ke.
SSNC Error ellipse: s-maj=2.8km s-min=2.9km az=-1.0.
JSN Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
OSPL Error ellipse: s-maj=37.9km s-min=22.1km az=-1.0.
ISC IV 03 03 51 37.7–1.6 19.72N–.07 76.61W–.04 18–4 15 1-2
SSNC IV 03 03 51 41.2–1.3 19.76N 76.61W 4–8 2.5W,2.3 ¶612510179
OSPL IV 03 03 51 42.3–.85 19.53N 76.50W 9–999 2.1L,2.3
ISC Event type ke.
SSNC Error ellipse: s-maj=6.5km s-min=3.1km az=-1.0.
OSPL Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
ISC IV 04 22 42 33.0–1.4 19.72N–.06 76.70W–.06 35 14 1-4
SSNC IV 04 22 42 31.3–1.1 19.74N 76.71W 1–5 3.1,2.9W ¶612510196
JSN IV 04 22 42 35.4–.53 19.60N 76.80W 61–122 3.6,2.9W
ISC Event type ke.
SSNC Error ellipse: s-maj=2.8km s-min=2.4km az=-1.0.
JSN Error ellipse: s-maj=21.4km s-min=31.0km az=-1.0.
ISC IV 04 22 53 14.2–1.8 19.72N–.05 76.64W–.07 26–19 21 1-4
OSPL IV 04 22 53 13.3–1.8 19.74N 76.75W 0–105 2.3L ¶612510197
SSNC IV 04 22 53 14.1–1.5 19.72N 76.70W 0–5 3.0W,3.0
JSN IV 04 22 53 16.9–.95 19.59N 76.72W 15–13 3.4,3.0
ISC Event type ke.
OSPL Error ellipse: s-maj=149.3km s-min=116.4km az=-1.0.
SSNC Error ellipse: s-maj=3.3km s-min=2.8km az=-1.0.
JSN Error ellipse: s-maj=18.3km s-min=11.2km az=-1.0.
ISC IV 07 00 30 01.4–1.4 19.87N–.08 76.22W–.05 35 16 1-2
SSNC IV 07 00 30 03.2–.88 19.88N 76.19W 36–4 2.5,2.4W ¶612510208
JSN IV 07 00 30 03.1–1.2 18.43N 77.10W 211–19 3.4,2.4W
OSPL IV 07 00 30 03.4–.46 19.64N 76.02W 75–12 2.1L,2.4W
ISC Event type ke.
SSNC Error ellipse: s-maj=5.1km s-min=1.9km az=-1.0.
JSN Error ellipse: s-maj=36.5km s-min=45.1km az=-1.0.
OSPL Error ellipse: s-maj=30.8km s-min=22.3km az=-1.0.
ISC IV 11 19 22 58.1–1.7 19.40N–.05 75.29W–.04 14–10 3.5b 27 1-153
IDC IV 11 19 22 55.8–1.4 19.24N 75.39W 0 3.6,3.6b ¶610652491
SSNC IV 11 19 23 01.1–1.1 19.47N 75.40W 30–13 3.8W,3.7L
JSN IV 11 19 23 02.5–.58 19.22N 75.54W 0–950 4.4,3.7L
ISC Event type ke.
IDC Error ellipse: s-maj=54.4km s-min=31.8km az=41.0.
SSNC Error ellipse: s-maj=3.9km s-min=2.5km az=-1.0.
JSN Error ellipse: s-maj=682.2km s-min=902.4km az=-1.0.
ISC IV 13 11 41 57.6–4.4 19.76N–.07 75.97W–.05 20–22 12 1-2
SSNC IV 13 11 41 58.8–1.3 19.87N 76.02W 5–4 2.9W,2.8 ¶612510236
OSPL IV 13 11 42 00.4–.83 19.64N 75.92W 18–6 2.6L,2.8
ISC Event type ke.
SSNC Error ellipse: s-maj=5.7km s-min=2.7km az=-1.0.
OSPL Error ellipse: s-maj=33.9km s-min=20.4km az=-1.0.
ISC IV 17 16 34 36.0–4.3 19.5N–.20 77.8W–.20 10 7 1-2
SSNC IV 17 16 34 39.5–.33 19.36N 77.82W 5 2.7,2.2L ¶612510249
JSN IV 17 16 34 40.2–.46 19.44N 77.86W 80–31 3.2,2.2L
ISC Event type ke.
SSNC Error ellipse: s-maj=2.3km s-min=2.6km az=-1.0.
JSN Error ellipse: s-maj=10.9km s-min=11.6km az=-1.0.
ISC IV 25 04 56 27.6–1.2 19.78N–.05 75.51W–.04 34–3 54 0-22
NEIC IV 25 04 56 25.9–2.0 19.62N–.04 75.52W–.02 10–2 4.2b ¶610554495
OSPL IV 25 04 56 28.0–2.0 19.82N 75.58W 14–10 3.7L
SSNC IV 25 04 56 29.0–.93 19.77N 75.47W 34–8 3.7W,3.7
JSN IV 25 04 56 34.0–.40 19.56N 76.09W 15 3.9,3.7
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=7.1km s-min=4.0km az=357.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
OSPL Error ellipse: s-maj=17.4km s-min=8.7km az=-1.0.
SSNC Error ellipse: s-maj=2.4km s-min=2.4km az=-1.0.
JSN Error ellipse: s-maj=41.7km s-min=61.7km az=-1.0.
ISC IV 25 14 42 57.8–.41 19.66N–.04 75.45W–.04 21–4 4.6b,3.7s 209 0-152
IDC IV 25 14 42 54.2–.58 19.58N 75.45W 0 4.3,4.2b ¶610554304
NEIC IV 25 14 42 58.9–1.2 19.64N–.07 75.47W–.06 23–4 4.7b,4.2b
SSNC IV 25 14 42 59.7–1.0 19.68N 75.47W 42–7 4.4L,4.2W
JSN IV 25 14 43 12.7–.48 18.97N 76.22W 62–60 4.0,4.2W
ISC Event type se.
IDC Error ellipse: s-maj=18.4km s-min=16.7km az=64.0.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=8.0km az=150.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SSNC Error ellipse: s-maj=3.0km s-min=2.0km az=-1.0.
JSN Error ellipse: s-maj=16.3km s-min=15.4km az=-1.0.
ISC V 05 05 32 21.6–1.6 19.53N–.04 77.98W–.08 24–18 14 1-4
SSNC V 05 05 32 23.5–1.6 19.50N 77.96W 13–9 2.7,2.3W ¶612510304
JSN V 05 05 32 25.8–.57 18.32N 78.46W 14–999 3.5,2.3W
ISC Event type ke.
SSNC Error ellipse: s-maj=4.3km s-min=5.6km az=-1.0.
JSN Error ellipse: s-maj=999.9km s-min=555.5km az=-1.0.
SSNC V 30 17 49 35.6–1.2 19.92N 74.56W 5 2.3,2.0W
¶612510399
SSNC Error ellipse: s-maj=5.5km s-min=3.1km az=-1.0.
ISC VI 08 03 14 47.4–1.3 20.0N–.30 75.59W–.06 28–10 11 0-3
OSPL VI 08 03 14 44.7–.57 19.57N 75.72W 19–999 1.9L ¶612510433
SSNC VI 08 03 14 46.9–2.0 19.75N 75.62W 0–9 2.5W,2.5
ISC Event type ke.
OSPL Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
SSNC Error ellipse: s-maj=7.6km s-min=3.8km az=-1.0.
SSNC VI 08 20 56 21.9–1.1 19.67N 76.66W 5–6 2.9,2.2W
¶617486463
SSNC Error ellipse: s-maj=7.0km s-min=4.2km az=-1.0.
ISC VI 12 16 35 39.3–1.3 20.06N–.09 74.71W–.03 35 18 0-3
OSPL VI 12 16 35 39.8–.32 20.19N 74.75W 28–1 2.6L ¶612510448
SSNC VI 12 16 35 40.8–1.8 19.94N 74.68W 15–9 2.7,2.6W
ISC Event type ke.
OSPL Error ellipse: s-maj=4.8km s-min=1.4km az=-1.0.
SSNC Error ellipse: s-maj=8.8km s-min=4.4km az=-1.0.
ISC VI 20 09 19 39.4–.61 23.29N–.08 81.96W–.08 10 3.5b,3.3s 18 2-147
IDC VI 20 09 19 38.8–.81 23.12N 82.11W 0 3.7,3.5b ¶610789155
SSNC VI 20 09 19 41.1–1.1 23.73N 81.80W 5 3.6,3.1L
ISC Event type ke.
IDC Error ellipse: s-maj=28.3km s-min=15.3km az=61.0.
SSNC Error ellipse: s-maj=19.1km s-min=16.1km az=-1.0.
ISC VI 20 19 01 17.7–.89 19.34N–.04 74.14W–.03 16–5 4.5b,3.7s 336 1-154
JSN VI 20 19 00 38.6–4.6 18.68N 75.11W 670–999 4.5b,3.7s ¶610686637
NEIC VI 20 19 01 15.8 19.33N 74.17W 6 4.5b,3.7s
IDC VI 20 19 01 15.8–.38 19.27N 74.16W 0 4.3,4.2b
NEIC VI 20 19 01 16.8–2.9 19.33N–.05 74.17W–.04 13–4 4.5b,4.4
SSNC VI 20 19 01 18.6–2.1 19.26N 74.18W 5–9 4.2L,4.1
ISC Event type se.
JSN Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
NEIC Event type se.
IDC Error ellipse: s-maj=14.9km s-min=10.0km az=75.0.
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=4.9km az=206.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}4.02 $M_{\theta\theta}$-4.95 $M_{\phi\phi}$0.94 $M_{r\theta}$3.03 $M_{\theta\phi}$0.55 $M_{\phi r}$0.27 NP1:ϕ_s88.31000°,δ62.19000°,λ82.35000°. NP2:ϕ_s284.36000°,δ28.77000°,λ104.15000°. Principal axes: T 4.9921,Plg72.0000°,Azm341.0000°; N 0.9222,Plg7.0000°,Azm92.0000°; P -5.9144,Plg17.0000°,Azm184.0000° $M_0$5.51000×10^{15}
SSNC Error ellipse: s-maj=8.5km s-min=5.5km az=-1.0.

(86) Jamaica region.

ISC I 08 14 51 56.2–1.8 18.2N–.10 75.8W–.10 9–14 16 1-2
JSN I 08 14 51 56.7–1.5 18.25N 75.77W 0–31 3.1 ¶612509466
SSNC I 08 14 52 01.5–1.5 18.29N 75.98W 2 3.0,1.9L
ISC Event type ke.
JSN Error ellipse: s-maj=55.2km s-min=58.4km az=-1.0.
SSNC Error ellipse: s-maj=7.9km s-min=7.9km az=-1.0.
ISC I 16 07 17 22.7–1.5 18.17N–.06 77.81W–.09 10 17 0-3
JSN I 16 07 17 24.6–.37 18.04N 77.79W 10–7 2.9 ¶612509497
SSNC I 16 07 17 27.0–1.4 18.32N 77.69W 5–46 2.9,2.5W
ISC Event type ke.
JSN Error ellipse: s-maj=3.2km s-min=6.7km az=-1.0.
SSNC Error ellipse: s-maj=54.1km s-min=36.2km az=-1.0.
ISC I 22 14 43 25.4–1.1 18.32N–.06 77.71W–.06 28–8 21 0-4
JSN I 22 14 43 27.4–.34 18.24N 77.74W 14–5 3.6 ¶612509694
SSNC I 22 14 43 28.0–.84 18.39N 77.64W 10–16 3.1,3.1L
ISC Event type ke.
JSN Error ellipse: s-maj=2.6km s-min=5.5km az=-1.0.
SSNC Error ellipse: s-maj=9.0km s-min=3.8km az=-1.0.
ISC II 05 12 24 44.3–1.6 18.16N–.08 76.44W–.07 15–13 16 0-2
JSN II 05 12 24 43.3–.78 18.11N 76.32W 0–51 2.9 ¶612509866
SSNC II 05 12 24 50.4–1.2 18.18N 76.71W 7–11 2.9W,2.7
ISC Event type ke.
JSN Error ellipse: s-maj=27.9km s-min=46.2km az=-1.0.
SSNC Error ellipse: s-maj=5.7km s-min=5.3km az=-1.0.
ISC II 11 22 33 28.0–1.2 18.24N–.09 76.67W–.05 16–13 18 0-3
JSN II 11 22 33 28.4–.46 18.15N 76.60W 16–5 3.0 ¶612509922
SSNC II 11 22 33 29.6–1.4 18.22N 76.70W 11–47 3.1,3.0W
ISC Event type ke.
JSN Error ellipse: s-maj=3.8km s-min=7.9km az=-1.0.
SSNC Error ellipse: s-maj=22.0km s-min=8.4km az=-1.0.
ISC II 16 09 53 59.0–2.1 18.69N–.08 77.5W–.10 10 9 0-3
JSN II 16 09 54 02.2–.59 18.62N 77.50W 21–5 2.8 ¶612509951
SSNC II 16 09 54 27.7–1.1 19.33N 76.51W 5 2.5,1.1L
ISC Event type ke.
JSN Error ellipse: s-maj=9.9km s-min=8.0km az=-1.0.
SSNC Error ellipse: s-maj=8.5km s-min=9.1km az=-1.0.
ISC II 22 00 32 50.7–2.6 18.1N–.10 75.70W–.09 5–16 19 1-3
JSN II 22 00 32 46.7–2.0 18.05N 75.35W 0–32 3.7 ¶612509996
OSPL II 22 00 32 47.4–.34 20.49N 77.57W 95–74 2.8L
SSNC II 22 00 32 53.2–2.1 18.13N 75.66W 5 3.0,2.7L
ISC Event type ke.
JSN Error ellipse: s-maj=52.1km s-min=45.4km az=-1.0.
OSPL Error ellipse: s-maj=16.5km s-min=12.3km az=-1.0.
SSNC Error ellipse: s-maj=10.9km s-min=10.7km az=-1.0.
ISC II 22 08 05 52.4–1.8 18.39N–.05 77.6W–.10 23 12 0-3
JSN II 22 08 05 52.4–.41 18.05N 77.72W 4–76 2.7 ¶612509997
SSNC II 22 08 05 53.4–1.6 18.27N 77.79W 5 2.6,0.8L
ISC Event type ke.
JSN Error ellipse: s-maj=5.8km s-min=61.5km az=-1.0.
SSNC Error ellipse: s-maj=8.5km s-min=12.9km az=-1.0.
ISC II 24 16 09 58.9–1.2 18.22N–.04 75.75W–.04 19–4 39 1-14
OSPL II 24 16 09 56.1–2.2 18.23N 75.90W 205–33 3.9L ¶612510015
SSNC II 24 16 09 59.9–2.1 18.09N 75.71W 2 3.5L,3.4W
JSN II 24 16 10 43.8–108 18.39N 77.26W 0–691 4.1,3.4W
ISC Event type ke.
OSPL Error ellipse: s-maj=17.8km s-min=12.1km az=-1.0.
SSNC Error ellipse: s-maj=15.4km s-min=14.6km az=-1.0.
JSN Error ellipse: s-maj=999.9km s-min=483.2km az=-1.0.
ISC II 24 18 34 35.2–2.3 18.2N–.10 75.8W–.10 2–15 16 1-3
JSN II 24 18 34 30.8–1.4 18.09N 75.39W 0–25 3.7 ¶612510016
SSNC II 24 18 34 37.1–1.9 18.11N 75.86W 5 3.1,1.5L
ISC Event type ke.
JSN Error ellipse: s-maj=58.7km s-min=34.2km az=-1.0.
SSNC Error ellipse: s-maj=11.1km s-min=9.7km az=-1.0.
ISC II 24 23 35 07.8–1.7 18.14N–.06 75.61W–.05 0–16 27 1-13
JSN II 24 23 35 05.7–1.8 18.04N 75.31W 0–28 4.1 ¶612510017
SSNC II 24 23 35 14.6–2.1 18.21N 75.82W 5 3.4,2.9L
ISC Event type ke.
JSN Error ellipse: s-maj=46.3km s-min=38.0km az=-1.0.
SSNC Error ellipse: s-maj=9.0km s-min=7.8km az=-1.0.
ISC II 28 21 08 51.3–1.2 18.24N–.07 76.60W–.06 18 14 0-2
JSN II 28 21 08 54.9–.71 18.12N 76.70W 17–8 3.1 ¶612510058
SSNC II 28 21 08 54.8–1.1 18.22N 76.73W 5–8 3.3W,2.8
ISC Event type ke.
JSN Error ellipse: s-maj=4.4km s-min=12.1km az=-1.0.
SSNC Error ellipse: s-maj=7.9km s-min=3.8km az=-1.0.
ISC III 02 03 52 15.1–3.2 17.5N–.20 78.7W–.10 10 9 1-5
SSNC III 02 03 52 18.8–1.3 17.73N 78.55W 0–27 3.4,2.6L ¶612510062
JSN III 02 03 52 18.0–1.3 17.69N 78.69W 77–36 3.7,2.6L
ISC Event type ke.
SSNC Error ellipse: s-maj=27.9km s-min=17.2km az=-1.0.
JSN Error ellipse: s-maj=37.4km s-min=37.6km az=-1.0.
ISC III 02 04 59 39.7–2.1 18.49N–.06 78.1W–.10 10 10 1-3
JSN III 02 04 59 41.4–.85 18.06N 78.36W 26–15 3.2 ¶612510063
SSNC III 02 04 59 42.0–.83 18.22N 78.22W 24–13 2.9,2.1L
ISC Event type ke.
JSN Error ellipse: s-maj=28.1km s-min=14.5km az=-1.0.
SSNC Error ellipse: s-maj=8.7km s-min=5.8km az=-1.0.
ISC III 04 03 55 13.5–1.2 18.27N–.07 76.63W–.08 18 10 0-2
SSNC III 04 03 55 15.0–1.4 18.03N 76.57W 7–16 2.8,2.3W ¶612510071
JSN III 04 03 55 15.3–.34 18.05N 76.63W 14–10 2.6,2.3W
ISC Event type ke.
SSNC Error ellipse: s-maj=16.5km s-min=11.8km az=-1.0.
JSN Error ellipse: s-maj=6.6km s-min=5.4km az=-1.0.
ISC III 08 03 24 00.4–1.0 18.38N–.07 76.50W–.07 18 13 0-3
JSN III 08 03 24 00.0–.80 18.25N 76.36W 0–43 2.4 ¶612510087
SSNC III 08 03 24 02.3–2.0 18.39N 76.58W 7–16 3.0
ISC Event type ke.
JSN Error ellipse: s-maj=22.4km s-min=37.8km az=-1.0.
SSNC Error ellipse: s-maj=13.2km s-min=8.5km az=-1.0.

ISC III 26 14 11 39.0–1.9 18.25N–.07 76.57W–.07 21–3 18 0-3
JSN III 26 14 11 41.1–.59 18.10N 76.60W 19–5 3.2 ¶612510149
SSNC III 26 14 11 42.4–1.0 18.33N 76.71W 2–5 3.1,2.8W
ISC Event type ke.
JSN Error ellipse: s-maj=9.7km s-min=10.1km az=-1.0.
SSNC Error ellipse: s-maj=5.6km s-min=3.4km az=-1.0.
ISC III 30 05 04 20.1–1.1 18.18N–.09 76.64W–.06 15–9 16 0-2
JSN III 30 05 04 19.8–1.6 18.04N 76.54W 15–9 2.9 ¶612510168
SSNC III 30 05 04 21.0–1.6 18.15N 76.65W 5–19 2.8,1.4L
ISC Event type ke.
JSN Error ellipse: s-maj=15.6km s-min=12.6km az=-1.0.
SSNC Error ellipse: s-maj=19.4km s-min=7.5km az=-1.0.
ISC IV 14 08 40 03.8–1.7 18.2N–.10 76.46W–.09 18 12 0-2
SSNC IV 14 08 40 06.8–1.4 18.22N 76.58W 1–13 2.9,2.0W ¶612510240
JSN IV 14 08 40 07.1–.33 18.13N 76.61W 0–4 2.3,2.0W
ISC Event type ke.
SSNC Error ellipse: s-maj=21.9km s-min=11.8km az=-1.0.
JSN Error ellipse: s-maj=3.6km s-min=2.5km az=-1.0.
ISC IV 16 06 35 39.4–1.9 18.2N–.10 76.4W–.10 18 11 0-2
JSN IV 16 06 35 42.5–.31 18.19N 76.50W 12–15 2.1 ¶612510245
SSNC IV 16 06 35 44.1–1.2 18.24N 76.64W 5 3.0,2.6L
ISC Event type ke.
JSN Error ellipse: s-maj=9.7km s-min=3.8km az=-1.0.
SSNC Error ellipse: s-maj=6.7km s-min=7.9km az=-1.0.
ISC IV 26 05 01 21.3–.98 18.32N–.07 76.65W–.08 18 13 0-2
SSNC IV 26 05 01 24.4–1.7 18.24N 76.71W 9–13 2.8,2.7W ¶612510272
JSN IV 26 05 01 24.5–.31 18.15N 76.73W 16–4 2.5,2.7W
ISC Event type ke.
SSNC Error ellipse: s-maj=6.3km s-min=6.5km az=-1.0.
JSN Error ellipse: s-maj=3.8km s-min=3.9km az=-1.0.
ISC V 15 07 32 12.1–1.4 18.25N–.08 77.07W–.06 35 8 0-2
SSNC V 15 07 32 13.6–.84 18.28N 77.07W 25–10 2.7,2.2L ¶612510343
ISC Event type ke.
SSNC Error ellipse: s-maj=6.9km s-min=2.8km az=-1.0.
ISC V 17 06 41 22.4–1.4 18.25N–.09 76.6W–.10 18 10 0-2
JSN V 17 06 41 25.2–.36 18.07N 76.63W 13–5 2.5 ¶612510351
SSNC V 17 06 41 28.3–.87 18.38N 76.75W 7–7 2.8,1.5L
ISC Event type ke.
JSN Error ellipse: s-maj=5.1km s-min=3.6km az=-1.0.
SSNC Error ellipse: s-maj=7.8km s-min=10.2km az=-1.0.
ISC V 21 05 24 06.1–1.9 18.4N–.10 77.78W–.10 10 14 0-4
SSNC V 21 05 24 06.9–1.4 18.32N 77.87W 5 3.6,2.3L ¶612510365
JSN V 21 05 24 06.0–.36 18.10N 77.91W 2–999 3.6,2.3L
ISC Event type ke.
SSNC Error ellipse: s-maj=5.5km s-min=6.2km az=-1.0.
JSN Error ellipse: s-maj=329.4km s-min=999.9km az=-1.0.
ISC V 21 06 07 16.9–1.2 18.3N–.10 76.49W–.08 10 12 0-2
SSNC V 21 06 07 19.6–1.3 18.14N 76.53W 7–11 2.7,1.0L ¶612510367
JSN V 21 06 07 20.1–.31 18.17N 76.59W 8–12 2.3,1.0L
ISC Event type ke.
SSNC Error ellipse: s-maj=10.9km s-min=6.9km az=-1.0.
JSN Error ellipse: s-maj=7.5km s-min=3.2km az=-1.0.
ISC VI 03 16 38 40.0–1.2 18.26N–.05 76.64W–.07 18 10 0-2
SSNC VI 03 16 38 42.0–.55 18.26N 76.70W 1–6 2.6,1.5L ¶612510414
JSN VI 03 16 38 43.0–.31 18.13N 76.75W 15–3 2.8,1.5L
ISC Event type ke.
SSNC Error ellipse: s-maj=9.7km s-min=6.2km az=-1.0.
JSN Error ellipse: s-maj=3.5km s-min=3.6km az=-1.0.
ISC VI 19 11 31 11.5–1.3 18.38N–.04 76.74W–.07 8–13 14 0-2
SSNC VI 19 11 31 15.7–1.2 18.28N 76.77W 7–10 3.1,2.4L ¶612510467
JSN VI 19 11 31 16.0–.57 18.18N 76.75W 21–13 3.1,2.4L
ISC Event type ke.
SSNC Error ellipse: s-maj=3.7km s-min=4.5km az=-1.0.
JSN Error ellipse: s-maj=10.4km s-min=14.7km az=-1.0.
ISC VI 20 04 25 25.3–1.1 18.30N–.06 76.64W–.08 17–10 18 0-2
JSN VI 20 04 25 28.1–.86 18.15N 76.65W 14–13 3.1 ¶612510468
SSNC VI 20 04 25 29.1–1.4 18.28N 76.67W 5 3.3,2.2W
ISC Event type ke.
JSN Error ellipse: s-maj=7.5km s-min=7.8km az=-1.0.
SSNC Error ellipse: s-maj=6.8km s-min=5.1km az=-1.0.
SSNC VI 22 06 28 01.4–1.0 18.25N 76.31W 2–7 2.8,2.3L
JSN VI 22 06 27 20.8–25 19.58N 79.10W 15 2.8,2.3L ¶612510476
SSNC Error ellipse: s-maj=7.4km s-min=7.2km az=-1.0.
JSN Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.

(87) Haiti region.

ISC I 04 21 24 24.8–1.4 18.99N–.04 73.46W–.04 4–10 3.3b 51 1-154
JSN I 04 21 24 25.5–.70 21.43N 75.75W 0–999 4.7 ¶610236730
OSPL I 04 21 24 26.7–1.6 19.05N 73.43W 0–7 3.3L
SSNC I 04 21 24 28.6–2.0 19.04N 73.41W 9–110 3.9,3.7W
IDC I 04 21 24 28.1–2.6 19.59N 73.32W 0 3.5,3.5b
ISC Event type ke.
JSN Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
OSPL Error ellipse: s-maj=9.7km s-min=6.8km az=-1.0.
SSNC Error ellipse: s-maj=26.4km s-min=63.4km az=-1.0.
IDC Error ellipse: s-maj=67.6km s-min=45.4km az=176.0.
ISC I 19 07 38 16.7–2.2 18.0N–.20 73.55W–.08 35 12 1-3
OSPL I 19 07 38 13.7–2.1 17.93N 73.55W 0–16 2.2L ¶612509604
SSNC I 19 07 38 14.4–1.9 17.86N 73.40W 52–568 3.2,1.8L
ISC Event type ke.
OSPL Error ellipse: s-maj=18.7km s-min=9.1km az=-1.0.
SSNC Error ellipse: s-maj=57.7km s-min=20.9km az=-1.0.
ISC I 31 03 47 49.1–.98 19.37N–.05 73.71W–.03 15–6 4.2b,3.7s 111 1-154
NEIC I 31 03 47 48.4–1.8 19.26N–.08 73.74W–.04 10–1 4.4b,3.7s ¶610180929
OSPL I 31 03 47 49.6–1.6 19.37N 73.72W 0–11 4.0L,3.7s
SSNC I 31 03 47 50.3–.86 19.37N 73.70W 11–9 3.8,3.7L
IDC I 31 03 47 52.3–3.1 19.21N 73.75W 38–28 3.9,3.6b
JSN I 31 03 47 56.1–1.7 17.66N 73.89W 0–195 4.3,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.2km s-min=4.3km az=205.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
OSPL Error ellipse: s-maj=8.2km s-min=5.0km az=-1.0.
SSNC Error ellipse: s-maj=4.5km s-min=2.8km az=-1.0.
IDC Error ellipse: s-maj=18.5km s-min=15.2km az=61.0.
JSN Error ellipse: s-maj=129.6km s-min=272.9km az=-1.0.
ISC III 04 17 13 38.3–2.8 17.5N–.10 72.76W–.06 4–13 16 1-4
SSNC III 04 17 13 40.1–.96 17.29N 72.62W 26–459 3.7W ¶612510078
OSPL III 04 17 13 42.5–1.5 17.55N 72.71W 0–8 2.8L
ISC Event type ke.
SSNC Error ellipse: s-maj=131.4km s-min=88.2km az=-1.0.
OSPL Error ellipse: s-maj=10.2km s-min=9.6km az=-1.0.
ISC III 13 14 26 10.4–2.4 18.61N–.10 73.87W–.06 17–17 20 1-4
SSNC III 13 14 26 12.5–1.6 18.56N 73.91W 3–7 3.2,3.1W ¶612510104
OSPL III 13 14 26 13.3–1.9 18.71N 73.85W 0–18 2.5L,3.1W
ISC Event type ke.
SSNC Error ellipse: s-maj=13.8km s-min=5.8km az=-1.0.
OSPL Error ellipse: s-maj=26.8km s-min=17.1km az=-1.0.
ISC III 28 05 10 22.8–1.9 18.09N–.08 72.54W–.06 14–12 17 0-4
SSNC III 28 05 10 23.4–2.9 18.09N 72.46W 5–35 3.3,2.5L ¶612510157
OSPL III 28 05 10 23.5–1.0 18.08N 72.55W 6–7 2.2L,2.5L
ISC Event type ke.
SSNC Error ellipse: s-maj=38.2km s-min=17.6km az=-1.0.
OSPL Error ellipse: s-maj=4.9km s-min=4.5km az=-1.0.
ISC V 08 12 38 23.2–3.6 18.17N–.05 74.99W–.03 2–25 34 2-4
JSN V 08 12 38 21.5–.75 17.23N 75.03W 0–999 4.2 ¶612510313
OSPL V 08 12 38 24.8–2.6 18.11N 75.09W 0–29 3.0L
SSNC V 08 12 38 24.4–1.4 18.05N 74.93W 12–9 3.5L,3.2W
ISC Event type ke.
JSN Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
OSPL Error ellipse: s-maj=13.8km s-min=11.6km az=-1.0.
SSNC Error ellipse: s-maj=5.0km s-min=5.8km az=-1.0.
ISC V 21 11 45 55.4–1.1 18.60N–.10 72.69W–.04 12–11 16 0-3
OSPL V 21 11 45 58.1–.41 18.57N 72.62W 0–8 2.5L ¶612510371
SSNC V 21 11 46 00.0–1.6 18.43N 72.47W 5–7 3.1,2.9W
ISC Event type ke.
OSPL Error ellipse: s-maj=4.0km s-min=3.3km az=-1.0.
SSNC Error ellipse: s-maj=17.3km s-min=4.7km az=-1.0.
ISC V 22 04 16 51.4–1.1 18.58N–.07 72.54W–.05 14–8 20 0-3
OSPL V 22 04 16 49.9–2.6 18.57N 72.68W 0–20 2.7L ¶612510373
SSNC V 22 04 16 53.8–1.2 18.46N 72.45W 4–5 3.4,2.6L
ISC Event type ke.
OSPL Error ellipse: s-maj=23.5km s-min=19.4km az=-1.0.
SSNC Error ellipse: s-maj=11.4km s-min=3.0km az=-1.0.
OSPL VI 08 20 55 54.8–1.9 17.86N 73.60W 0–25 2.3L
¶615428010
OSPL Error ellipse: s-maj=29.4km s-min=14.9km az=-1.0.

(88) Dominican Republic region.

ISC I 03 05 32 34.6–1.5 19.0N–.20 70.22W–.06 135–12 15 1-5
SSNC I 03 05 32 37.7–2.9 17.77N 70.89W 82–373 3.0,2.8L ¶612509435
OSPL I 03 05 32 38.0–2.3 18.92N 70.23W 118–15 2.7L,2.8L
ISC Event type ke.
SSNC Error ellipse: s-maj=226.3km s-min=104.1km az=-1.0.
OSPL Error ellipse: s-maj=13.3km s-min=7.3km az=-1.0.
ISC I 08 03 14 06.8–1.5 18.49N–.04 71.45W–.04 1–13 17 0-4
SSNC I 08 03 14 04.0–2.3 18.19N 71.18W 7–999 3.3,2.3L ¶612509465
OSPL I 08 03 14 09.4–2.5 18.65N 71.53W 0–33 2.3L,2.3L
ISC Event type ke.
SSNC Error ellipse: s-maj=703.0km s-min=999.9km az=-1.0.
OSPL Error ellipse: s-maj=5.3km s-min=6.0km az=-1.0.
ISC I 25 06 42 21.1–1.2 19.74N–.04 70.66W–.06 25 25 0-7
SSNC I 25 06 42 21.1–3.0 19.65N 70.70W 120–66 3.7,3.0L ¶612509735
OSPL I 25 06 42 23.2–3.3 19.71N 70.75W 0–12 2.9L,3.0L
ISC Event type ke.
SSNC Error ellipse: s-maj=51.9km s-min=18.5km az=-1.0.
OSPL Error ellipse: s-maj=7.9km s-min=9.3km az=-1.0.
ISC I 29 01 14 31.1–1.3 19.46N–.09 69.27W–.04 98–21 75 1-7
NEIC I 29 01 14 33.0–1.3 19.6N–.10 69.11W–.06 65–43 3.7,3.4L ¶610147566
OSPL I 29 01 14 35.3–2.0 19.40N 69.24W 75–18 3.1L,3.4L
RSPR I 29 01 14 35.4 19.76N 68.88W 86–11 3.7,3.4L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=22.9km s-min=6.0km az=197.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
OSPL Error ellipse: s-maj=8.5km s-min=4.4km az=-1.0.
RSPR Event type ke.
OSPL II 03 03 18 04.8–2.7 19.68N 69.09W 77–22 3.1L
¶612509853
OSPL Error ellipse: s-maj=18.1km s-min=8.9km az=-1.0.
ISC II 13 15 46 07.4–1.3 18.4N–.20 69.08W–.04 134 17 1-4
OSPL II 13 15 46 05.9–1.3 18.10N 68.77W 24–999 2.4L ¶610208862
RSPR II 13 15 46 09.8 18.67N 68.88W 136–4 3.7
ISC Event type ke.
OSPL Error ellipse: s-maj=597.1km s-min=999.9km az=-1.0.
RSPR Event type ke.
ISC II 16 12 51 54.7–.43 18.67N–.04 69.42W–.04 106–4 4.4b 186 1-158
IDC II 16 12 51 54.8–.53 18.63N 69.45W 104–4 4.3,3.9b ¶610217183
NEIC II 16 12 51 55.1–1.6 18.76N–.07 69.40W–.06 102–7 4.6b,3.9b
OSPL II 16 12 51 56.8–3.5 18.71N 69.39W 104–19 4.2L,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=10.6km s-min=8.3km az=40.0.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=7.6km az=191.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
OSPL Error ellipse: s-maj=14.8km s-min=8.3km az=-1.0.
ISC II 19 07 33 23.2–1.6 18.40N–.08 70.43W–.04 11–13 19 1-5
OSPL II 19 07 33 24.4–1.9 18.37N 70.40W 0–7 3.6,2.9L ¶612509977
SSNC II 19 07 33 24.7–3.2 17.70N 70.75W 120–279 3.7,2.9L
ISC Event type ke.
OSPL Error ellipse: s-maj=5.0km s-min=4.1km az=-1.0.
SSNC Error ellipse: s-maj=167.2km s-min=71.6km az=-1.0.
ISC II 26 07 17 58.0–1.3 19.79N–.04 70.61W–.04 14–10 21 0-5
SSNC II 26 07 18 00.6–3.5 18.97N 70.79W 120–31 3.5,2.0L ¶612510033
OSPL II 26 07 18 01.9–1.9 19.71N 70.59W 8–7 2.1L,2.0L
ISC Event type ke.
SSNC Error ellipse: s-maj=132.7km s-min=57.2km az=-1.0.
OSPL Error ellipse: s-maj=4.6km s-min=4.3km az=-1.0.
ISC II 27 01 04 50.7–.59 18.93N–.03 70.08W–.03 73–6 4.5b 416 0-157
NEIC II 27 01 04 51.4–1.9 19.00N–.06 70.02W–.04 73–6 4.5b ¶610241560
SSNC II 27 01 04 52.2–2.7 19.16N 70.25W 120–18 4.9L
IDC II 27 01 04 52.2–1.8 18.82N 70.13W 78–16 4.1L,3.8b
OSPL II 27 01 04 53.0–3.8 18.96N 69.97W 64–19 4.7L,3.8b
JSN II 27 01 06 17.7–.42 18.08N 76.52W 15 4.7L,3.8b
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s128.45752°,δ43.61468°,λ130.69960°. NP2: ϕ_s258.54599°,δ58.46845°,λ58.14738°. Principal axes: T Plg61.8525°,Azm116.2635° ; N Plg26.7319°,Azm276.5460°; P Plg8.1721°,Azm10.6936°
NEIC Event type se. Error ellipse: s-maj=8.6km s-min=5.7km az=197.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SSNC Error ellipse: s-maj=17.3km s-min=12.5km az=-1.0.
IDC Error ellipse: s-maj=11.9km s-min=10.2km az=15.0.
OSPL Error ellipse: s-maj=11.0km s-min=8.5km az=-1.0. Moment Tensor Solution. NP1: ϕ_s145.90000°,δ33.60000°,λ154.80000°.
JSN Error ellipse: s-maj=517.7km s-min=999.9km az=-1.0.
ISC III 14 08 58 30.9–1.5 20.02N–.05 71.76W–.05 1–13 18 0-4
OSPL III 14 08 58 31.7–2.8 19.96N 71.92W 0–26 2.3L ¶612510111
SSNC III 14 08 58 31.7–2.3 20.10N 71.51W 5–31 2.9,2.0L
ISC Event type ke.
OSPL Error ellipse: s-maj=14.5km s-min=12.6km az=-1.0.
SSNC Error ellipse: s-maj=28.9km s-min=35.5km az=-1.0.
ISC III 16 00 54 57.2–1.4 20.08N–.02 70.50W–.04 16–9 4.4b,3.8s 245 1-157
IDC III 16 00 54 55.4–.51 20.01N 70.37W 0 4.1,4.1b ¶610329804
OSPL III 16 00 54 57.9–3.8 20.22N 70.46W 0–19 4.1L,4.1b
NEIC III 16 00 54 58.2–2.0 20.08N–.03 70.45W–.05 17–4 4.4b,4.1b
SSNC III 16 00 55 00.1–2.4 20.35N 70.65W 120–30 4.2L,4.1b
ISC Event type se.
IDC Error ellipse: s-maj=16.3km s-min=12.2km az=59.0.
OSPL Error ellipse: s-maj=12.5km s-min=13.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=6.5km s-min=4.6km az=88.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SSNC Error ellipse: s-maj=12.5km s-min=13.9km az=-1.0.
ISC III 24 03 31 31.0–1.9 20.09N–.03 70.56W–.06 7–15 19 1-4
OSPL III 24 03 31 33.1–3.3 20.11N 70.43W 0–18 3.0L ¶612510145
SSNC III 24 03 31 34.4–.45 20.09N 70.75W 5–3 4.0L,3.2
ISC Event type ke.
OSPL Error ellipse: s-maj=8.7km s-min=12.2km az=-1.0.
SSNC Error ellipse: s-maj=1.4km s-min=5.9km az=-1.0.
ISC IV 03 02 45 08.3–.27 18.74N–.03 69.39W–.03 91–2 4.7b 735 1-158
BGR IV 03 02 44 59.9 18.00N 69.30W 33 4.9b ¶610471075
NEIC IV 03 02 45 08.8–1.9 18.75N–.03 69.34W–.04 91–4 5.0L,4.7b
IDC IV 03 02 45 08.8–.48 18.66N 69.34W 92–3 4.6,4.2b
NEIC IV 03 02 45 09 18.73N 69.34W 95 4.6,4.2b
OSPL IV 03 02 45 10.1–11 18.79N 69.31W 100–50 4.7L,4.2b
ISC Event type ke. Moment Tensor Solution. NP1:ϕ_s229.01865°,δ51.34640°,λ32.43441°. NP2: ϕ_s117.36972°,δ65.23846°,λ136.53966°. Principal axes: T Plg47.5471°,Azm76.8687° ; N Plg41.2324°,Azm273.5252°; P Plg8.3662°,Azm176.1196°
BGR Event type ke.
NEIC Event type se. Error ellipse: s-maj=6.0km s-min=4.9km az=89.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}6.75 $M_{\theta\theta}$-8.80 $M_{\phi\phi}$2.05 $M_{r\theta}$-1.32

$M_{\theta\phi}$-1.47 $M_{\phi r}$-3.49 NP1:ϕ_s238.06000°,δ57.08000°,λ57.61000°. NP2:ϕ_s107.48000°
,δ44.86000°,λ129.61000°. Principal axes: T 8.6177,Plg62.0000°,Azm93.0000°
; N 0.5891,Plg27.0000°,Azm257.0000°; P -9.2067,Plg7.0000°,Azm350.0000°
$M_0$8.93000×10^{15}
IDC Error ellipse: s-maj=9.8km s-min=7.5km az=31.0.
NEIC Event type se.
OSPL Error ellipse: s-maj=44.2km s-min=28.3km az=-1.0.
ISC IV 20 02 18 03.9–1.4 20.13N–.04 70.88W–.04 7–11 23 0-7
SSNC IV 20 02 18 01.2–1.3 20.45N 70.59W 20 3.7W,3.6 **¶612510258**
OSPL IV 20 02 18 06.0–5.1 20.09N 70.81W 0–20 3.1L,3.6
ISC Event type ke.
SSNC Error ellipse: s-maj=7.1km s-min=7.6km az=-1.0.
OSPL Error ellipse: s-maj=11.9km s-min=12.1km az=-1.0.
ISC IV 20 14 22 30.1–1.4 19.06N–.05 70.65W–.04 99–11 30 1-5
SSNC IV 20 14 22 27.5–3.2 18.96N 70.51W 120–35 3.8,3.5L **¶612510259**
OSPL IV 20 14 22 32.5–2.6 19.02N 70.61W 92–14 3.3L,3.5L
ISC Event type ke.
SSNC Error ellipse: s-maj=17.5km s-min=23.5km az=-1.0.
OSPL Error ellipse: s-maj=9.5km s-min=6.6km az=-1.0.
ISC IV 20 23 24 46.7–.67 18.12N–.04 69.40W–.03 63–7 4.2b 176 1-158
NEIC IV 20 23 24 48.0–1.7 18.21N–.06 69.38W–.04 58–11 4.2b **¶610546563**
IDC IV 20 23 24 49.2–1.8 18.13N 69.37W 84–16 4.0,3.9s
OSPL IV 20 23 24 49.1–2.8 18.38N 69.26W 5–10 3.8L,3.9s
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=8.5km s-min=6.2km az=185.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=16.2km s-min=13.0km az=15.0.
OSPL Error ellipse: s-maj=11.2km s-min=5.4km az=-1.0.
ISC V 05 01 06 01.5–.96 19.53N–.04 70.42W–.03 27–9 58 0-21
SSNC V 05 01 05 57.7–3.0 19.33N 70.36W 120–52 3.6W **¶610617921**
NEIC V 05 01 06 02.0–2.8 19.50N–.06 70.38W–.05 22–4 4.0b
OSPL V 05 01 06 02.9–4.5 19.49N 70.40W 11–17 3.6L
ISC Event type se.
SSNC Error ellipse: s-maj=32.5km s-min=20.3km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=9.0km s-min=6.7km az=187.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
OSPL Error ellipse: s-maj=10.9km s-min=8.4km az=-1.0.
ISC V 30 03 06 07.6–1.7 20.11N–.04 70.5W–.10 13–12 18 1-5
OSPL V 30 03 06 07.2–7.5 20.07N 70.00W 20–35 2.7L **¶612510392**
SSNC V 30 03 06 09.1–3.6 20.02N 70.47W 120–76 3.2W,2.9L
ISC Event type ke.
OSPL Error ellipse: s-maj=25.8km s-min=74.1km az=-1.0.
SSNC Error ellipse: s-maj=61.0km s-min=25.6km az=-1.0.
ISC V 30 07 00 51.7–1.3 19.74N–.04 70.71W–.06 10–11 21 0-5
SSNC V 30 07 00 50.1–1.3 20.12N 70.42W 10 3.4,3.0L **¶612510395**
OSPL V 30 07 00 56.0–2.3 19.69N 70.83W 0–14 2.0L,3.0L
ISC Event type ke.
SSNC Error ellipse: s-maj=17.5km s-min=11.1km az=-1.0.
OSPL Error ellipse: s-maj=7.3km s-min=8.8km az=-1.0.
ISC VI 12 20 26 47.1–1.5 19.54N–.05 69.89W–.03 15–10 3.8b,2.9s 63 1-76
IDC VI 12 20 26 45.9–1.1 19.63N 69.95W 0 3.9L,3.8 **¶610791742**
NEIC VI 12 20 26 46.6–2.2 19.60N–.04 69.88W–.04 10–2 4.0L,3.8
OSPL VI 12 20 26 49.0–4.9 19.60N 69.81W 17–21 3.9L,3.8
ISC Event type se.
IDC Error ellipse: s-maj=33.3km s-min=20.3km az=20.0.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=6.2km az=147.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
OSPL Error ellipse: s-maj=13.6km s-min=13.3km az=-1.0.
ISC VI 14 07 15 15.5–.74 18.94N–.04 69.69W–.03 85–7 3.5b 97 0-158
IDC VI 14 07 14 58.7–1.7 18.54N 68.60W 0 3.6,3.6b **¶610791838**
NEIC VI 14 07 15 15.2–2.6 18.96N–.07 69.67W–.01 92–11 4.1L,3.6b
OSPL VI 14 07 15 16.6–6.0 19.02N 69.57W 105–27 3.9L,3.6b
ISC Event type se.
IDC Error ellipse: s-maj=63.6km s-min=31.6km az=15.0.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=1.1km az=187.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
OSPL Error ellipse: s-maj=23.6km s-min=14.6km az=-1.0.
ISC VI 18 21 02 55.2–.61 19.86N–.03 70.98W–.04 10 3.6b 36 0-70
SSNC VI 18 21 02 48.8–3.0 20.21N 70.59W 20–44 3.8W,3.8L **¶610792146**
OSPL VI 18 21 02 55.4–3.2 19.90N 71.01W 0–14 3.5L,3.8L
IDC VI 18 21 02 55.5–2.0 19.94N 70.61W 0 3.6,3.5b
ISC Event type ke.
SSNC Error ellipse: s-maj=19.9km s-min=22.4km az=-1.0.
OSPL Error ellipse: s-maj=7.4km s-min=8.5km az=-1.0.
IDC Error ellipse: s-maj=70.8km s-min=20.3km az=20.0.
ISC VI 26 06 06 07.9–1.6 18.59N–.09 69.12W–.03 149–12 51 1-7
OSPL VI 26 06 06 09.7–3.3 18.48N 69.12W 142–18 3.0L **¶610694764**
RSPR VI 26 06 06 10.6 19.02N 68.88W 133–2 4.0
ISC Event type ke.
OSPL Error ellipse: s-maj=16.2km s-min=7.6km az=-1.0.
RSPR Event type ke.

(89) Mona Passage.

ISC I 01 21 37 31.8–1.3 18.93N–.06 67.58W–.03 26–12 65 1-4
OSPL I 01 21 37 32.4–3.6 19.01N 67.50W 25–69 2.9L **¶609949333**
RSPR I 01 21 37 34.0 18.86N 67.54W 6–1 3.3
NEIC I 01 21 37 33.5–.91 18.85N–.05 67.52W–.01 23–11 3.3,2.9L
ISC Event type ke.
RSPR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 05 03 51 25.7–1.2 18.50N–.09 68.86W–.03 134 77 0-5
RSPR I 05 03 51 26.0 18.38N 68.92W 121–1 3.8 **¶609985360**
NEIC I 05 03 51 27.3–2.0 18.3N–.20 68.86W–.09 113–19 3.8,3.2L
OSPL I 05 03 51 28.7–3.4 18.53N 68.80W 116–19 2.8L,3.2L
ISC Event type ke.
RSPR Event type ke.
NEIC Event type se. Error ellipse: s-maj=33.3km s-min=9.1km az=194.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
OSPL Error ellipse: s-maj=16.6km s-min=8.5km az=-1.0.
ISC I 06 05 26 45.7–1.9 18.80N–.09 67.18W–.06 29 20 0-1
OSPL I 06 05 26 46.7–.53 18.85N 67.13W 31–2 1.7L **¶610010017**
RSPR I 06 05 26 47.1 18.83N 67.23W 18–1 2.7
ISC Event type ke.
OSPL Error ellipse: s-maj=5.9km s-min=4.8km az=-1.0.
RSPR Event type ke.
ISC I 13 17 18 01.8–1.6 19.32N–.08 67.06W–.04 25 50 1-4
NEIC I 13 17 18 02.8–1.2 19.3N–.10 67.02W–.02 35–18 3.3,2.8L **¶610087330**
RSPR I 13 17 18 03.8 19.35N 67.06W 35–14 3.3,2.8L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=15.2km s-min=3.4km az=179.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
ISC I 16 09 07 10.4–2.4 18.9N–.10 68.04W–.08 50 50 1-4
NEIC I 16 09 07 06.4–2.8 18.8N–.20 68.3W–.20 86–39 3.4,3.3L **¶610097476**
RSPR I 16 09 07 10.1 18.79N 68.09W 87–14 3.4,3.3L
OSPL I 16 09 07 13.4–3.2 19.21N 67.32W 76–51 3.1L,3.3L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=26.9km s-min=16.2km az=142.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
OSPL Error ellipse: s-maj=34.2km s-min=23.4km az=-1.0.
ISC I 23 04 08 59.9–.65 18.37N–.06 68.53W–.03 146–6 3.5b 143 0-71
NEIC I 23 04 08 59.2–1.8 18.4N–.10 68.47W–.07 159–7 4.0b,4.0L **¶610105273**
RSPR I 23 04 09 01.3 18.09N 68.51W 141–1 3.9,4.0L
IDC I 23 04 09 02.7–4.0 18.43N 68.48W 157–41 3.5,3.0b
OSPL I 23 04 09 02.6–2.9 18.11N 68.52W 145–17 3.6L,3.0b
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=17.4km s-min=8.9km az=198.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
IDC Error ellipse: s-maj=28.0km s-min=21.9km az=36.0.
OSPL Error ellipse: s-maj=16.3km s-min=8.3km az=-1.0.
ISC I 24 06 14 12.8–1.3 18.74N–.06 67.24W–.03 50 85 0-5
RSPR I 24 06 14 12.5 18.64N 67.28W 70–1 3.4 **¶610105958**
NEIC I 24 06 14 12.6–1.1 18.59N–.07 67.28W–.04 68–3 3.5L,3.4
OSPL I 24 06 14 14.0–1.7 18.65N 67.27W 66–14 3.2L,3.4
ISC Event type ke.
RSPR Event type ke.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=4.4km az=192.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
OSPL Error ellipse: s-maj=16.0km s-min=9.3km az=-1.0.
ISC I 26 09 41 11.3–.79 17.98N–.05 68.57W–.04 48–11 3.6b 165 1-55
OSPL I 26 09 41 10.9–3.5 17.92N 68.62W 0–24 3.8L **¶610130088**
RSPR I 26 09 41 10.2 17.83N 68.80W 49–23 4.1
IDC I 26 09 41 11.1–2.8 18.09N 68.66W 46–37 3.8,3.8L
NEIC I 26 09 41 12.3–1.5 18.02N–.08 68.63W–.03 47–24 4.3L,4.0L
ISC Event type ke.
RSPR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 27 05 58 27.3–1.3 18.1N–.10 68.71W–.04 150 67 0-3
RSPR I 27 05 58 26.9 18.00N 68.65W 160–2 3.7 **¶610133058**
OSPL I 27 05 58 26.8–1.9 18.21N 68.63W 171–13 2.7L
NEIC I 27 05 58 27.4–1.1 18.0N–.30 68.6W–.10 161–14 3.7,2.7L
ISC Event type ke.
RSPR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 27 20 11 48.2–2.0 19.0N–.20 68.53W–.07 100 17 0-3
NEIC I 27 20 11 48.2–2.3 18.8N–.40 68.57W–.06 109–11 3.2,2.5L **¶610145093**
RSPR I 27 20 11 48.7 18.50N 68.67W 109–1 3.2,2.5L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=60.6km s-min=1.8km az=187.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
ISC I 31 08 35 14.9–1.6 19.06N–.08 67.26W–.04 27 51 1-2
OSPL I 31 08 35 13.6–.34 19.25N 67.12W 17–2 2.0L **¶610150205**
RSPR I 31 08 35 15.2 18.98N 67.31W 79–7 3.1
NEIC I 31 08 35 17.8–2.6 18.89N–.07 67.28W–.05 39–27 3.1,2.1L
ISC Event type ke.
RSPR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 02 16 14 43.4–1.4 18.3N–.20 68.22W–.06 150 41 0-3
RSPR II 02 16 14 44.2 18.28N 68.20W 145–1 3.4 **¶610184285**
NEIC II 02 16 14 44.3–.73 18.3N–.20 68.19W–.08 140–5 3.4,2.8L
ISC Event type ke.
RSPR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 05 00 28 51.9–1.9 17.9N–.20 68.88W–.07 110 57 1-3
RSPR II 05 00 28 52.3 17.77N 68.78W 125–5 3.7 **¶610197593**
NEIC II 05 00 28 52.2–2.2 17.8N–.30 68.90W–.09 100–28 3.7,2.7L
ISC Event type ke.
RSPR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 08 08 36 27.6–2.6 18.10N–.04 67.33W–.04 37–1 71 0-2
NEIC II 08 08 36 25.7–.80 18.11N–.05 67.37W–.04 57–4 2.9,2.7L **¶610199141**
OSPL II 08 08 36 26.2–.36 18.12N 67.12W 66–4 2.7L,2.7L
RSPR II 08 08 36 26.6 18.14N 67.36W 56–0 2.9,2.7L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=8.2km s-min=3.9km az=220.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
OSPL Error ellipse: s-maj=2.7km s-min=6.0km az=-1.0.
RSPR Event type ke.
ISC II 09 06 47 17.7–1.6 18.10N–.09 67.48W–.07 32 16 0-1
OSPL II 09 06 47 19.1–.51 18.14N 67.54W 12–21 1.5L **¶610205764**
RSPR II 09 06 47 20.8 18.16N 67.41W 25–2 2.8
ISC Event type ke.
OSPL Error ellipse: s-maj=5.3km s-min=2.7km az=-1.0.
RSPR Event type ke.
ISC II 15 21 08 03.8–1.5 18.13N–.09 68.14W–.04 30–13 39 0-3
OSPL II 15 21 08 00.5–.34 17.92N 68.44W 63–15 2.5L **¶610216928**
RSPR II 15 21 08 02.9 18.10N 68.25W 73–3 3.4
NEIC II 15 21 08 04.4–2.9 18.3N–.10 68.12W–.06 49–20 3.4,2.4L
ISC Event type ke.
RSPR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 17 12 25 41.5–1.2 18.08N–.08 68.53W–.05 58–13 71 0-9
NEIC II 17 12 25 41.0–1.2 18.08N–.09 68.55W–.06 65–20 3.5L,3.5 **¶610228671**
RSPR II 17 12 25 41.1 18.22N 68.57W 78–4 3.5,3.5
OSPL II 17 12 25 44.4–2.9 18.07N 68.40W 38–28 3.0L,3.5
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=7.3km az=204.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
OSPL Error ellipse: s-maj=15.2km s-min=11.9km az=-1.0.
ISC II 20 03 45 50.2–1.2 18.7N–.10 68.86W–.03 28–14 59 1-3
OSPL II 20 03 45 45.2–2.8 18.17N 69.02W 200–32 2.4L **¶610231660**
NEIC II 20 03 45 49.1–1.2 18.4N–.20 68.94W–.04 119–8 3.5,2.7L
RSPR II 20 03 45 49.5 19.47N 68.74W 77–11 3.5,2.7L
ISC Event type ke.
OSPL Error ellipse: s-maj=31.2km s-min=9.1km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=30.7km s-min=4.5km az=183.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
ISC II 20 19 28 39.3–1.4 18.2N–.20 67.66W–.06 150 46 0-4
NEIC II 20 19 28 40.4–1.0 18.2N–.10 67.67W–.03 141–5 3.2,2.4L **¶610237800**
RSPR II 20 19 28 42.3 18.14N 67.55W 137–1 3.2,2.4L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=17.8km s-min=2.8km az=188.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
ISC II 21 06 55 34.7–1.3 18.2N–.20 68.90W–.04 150 47 1-3
NEIC II 21 06 55 33.6–1.9 18.6N–.50 68.79W–.08 181–20 3.8,3.0L **¶610237814**
OSPL II 21 06 55 33.7–1.8 18.13N 68.84W 179–17 2.6L,3.0L
RSPR II 21 06 55 34.9 18.81N 68.57W 179–3 3.8,3.0L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=72.7km s-min=11.3km az=180.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
OSPL Error ellipse: s-maj=18.7km s-min=17.2km az=-1.0.
RSPR Event type ke.
ISC II 22 15 43 17.6–1.5 18.91N–.08 67.22W–.03 46–15 68 0-4
OSPL II 22 15 43 16.5–.32 19.06N 67.15W 30–2 3.1L **¶610239614**

NEIC II 22 15 43 16.7–.96 18.95N–.05 67.25W–.04 47–21 3.3,3.2L
RSPR II 22 15 43 17.3 18.94N 67.26W 53–3 3.3,3.2L
ISC Event type ke.
OSPL Error ellipse: s-maj=2.8km s-min=2.7km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=9.0km s-min=2.9km az=210.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
NEIC II 25 03 06 10.6–.93 18.9N–.10 68.11W–.05 58–12 3.4,2.7L
OSPL II 25 03 06 10.7–.66 18.93N 68.16W 59–12 2.4L,2.7L ¶610241219
RSPR II 25 03 06 10.6 18.83N 68.15W 66–5 3.4,2.7L
NEIC Event type se. Error ellipse: s-maj=18.3km s-min=7.1km az=172.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
OSPL Error ellipse: s-maj=10.2km s-min=5.1km az=-1.0.
RSPR Event type ke.
ISC II 25 11 56 39.1–1.2 18.1N–.10 68.03W–.04 150 75 1-4
OSPL II 25 11 56 38.4–1.3 18.02N 68.01W 178–11 3.0L ¶610241240
RSPR II 25 11 56 38.6 18.13N 67.92W 167–1 3.4
NEIC II 25 11 56 38.4–.91 18.2N–.20 67.97W–.08 166–7 3.4,3.0L
ISC Event type ke.
RSPR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 12 09 46 03.6–1.0 18.51N–.06 67.53W–.03 27 61 0-4
NEIC III 12 09 46 02.6–1.9 18.45N–.05 67.67W–.02 28–7 2.8L,2.8 ¶610329915
RSPR III 12 09 46 05.0 18.51N 67.57W 21–1 2.8,2.8
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=7.2km s-min=2.7km az=189.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
ISC III 15 15 23 06.1–1.2 18.70N–.09 68.91W–.04 127–9 67 0-10
NEIC III 15 15 23 05.3–2.0 18.9N–.10 68.96W–.04 111–5 3.6,3.3L ¶610329398
OSPL III 15 15 23 07.7–1.4 18.48N 68.94W 132–9 2.7L,3.3L
RSPR III 15 15 23 08.6 18.45N 68.93W 111–4 3.5,3.3L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=15.5km s-min=5.0km az=181.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
OSPL Error ellipse: s-maj=7.7km s-min=5.0km az=-1.0.
RSPR Event type ke.
ISC III 18 23 12 56.3–1.5 18.1N–.20 67.87W–.06 150 53 0-2
NEIC III 18 23 12 58.5–.64 18.1N–.20 67.83W–.08 136–6 3.5,2.5L ¶610345838
RSPR III 18 23 12 58.8 18.16N 67.79W 137–1 3.5,2.5L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=26.1km s-min=7.4km az=201.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
ISC III 19 20 54 58.4–1.8 18.1N–.10 68.27W–.06 102–11 56 0-4
OSPL III 19 20 54 57.4–.45 18.04N 68.42W 119–11 2.2L ¶610346306
NEIC III 19 20 54 57.9–1.7 18.0N–.10 68.28W–.07 103–7 3.4,2.5L
RSPR III 19 20 55 00.8 18.10N 68.21W 92–1 3.4,2.5L
ISC Event type ke.
OSPL Error ellipse: s-maj=17.8km s-min=9.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=19.9km s-min=7.3km az=200.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
RSPR III 26 02 29 38.7 18.00N 67.00W 17–3
¶616342375
RSPR Event type ke.
ISC III 26 06 17 12.1–1.6 17.8N–.10 68.79W–.05 100 54 1-4
NEIC III 26 06 17 11.9–.59 18.0N–.20 68.74W–.07 126–12 3.4,3.1L ¶610444213
RSPR III 26 06 17 12.6 18.03N 68.73W 121–2 3.4,3.1L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=30.5km s-min=7.9km az=188.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
ISC IV 03 09 08 38.2–1.3 18.3N–.20 68.84W–.05 134 52 0-3
RSPR IV 03 09 08 39.7 18.39N 68.85W 112–3 3.8 ¶610473043
NEIC IV 03 09 08 40.5–1.4 18.3N–.30 68.83W–.08 99–23 3.8,2.9L
OSPL IV 03 09 08 41.7–.93 18.20N 68.78W 106–7 2.4L,2.9L
ISC Event type ke.
RSPR Event type ke.
NEIC Event type se. Error ellipse: s-maj=40.6km s-min=6.9km az=192.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
OSPL Error ellipse: s-maj=12.2km s-min=3.4km az=-1.0.
ISC IV 05 04 10 20.8–1.1 18.3N–.10 67.49W–.04 25–9 22 0-2
OSPL IV 05 04 10 20.5 18.53N 67.39W 49 2.0L ¶610483641
RSPR IV 05 04 10 21.4 18.51N 67.48W 19–0 2.9
ISC Event type ke.
RSPR Event type ke.
ISC IV 08 06 40 37.0–1.6 19.04N–.10 67.66W–.04 27 38 1-2
RSPR IV 08 06 40 36.7 18.97N 68.00W 36–19 3.4 ¶610521480
NEIC IV 08 06 40 38.4–1.9 18.97N–.09 67.66W–.04 29–7 3.4,2.2L
OSPL IV 08 06 40 38.4–.61 18.00N 67.71W 2–9 2.1L,2.2L
ISC Event type ke.
RSPR Event type ke.
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=4.8km az=188.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
OSPL Error ellipse: s-maj=7.9km s-min=1.8km az=-1.0.
ISC IV 10 13 56 28.1–1.3 18.7N–.10 67.64W–.04 27 19 0-3
OSPL IV 10 13 56 26.7–1.6 17.99N 67.69W 1–10 2.6L ¶610525131
RSPR IV 10 13 56 27.7 18.88N 67.73W 37–11 2.6L
ISC Event type ke.
OSPL Error ellipse: s-maj=13.5km s-min=4.8km az=-1.0.
RSPR Event type ke.
ISC IV 11 00 29 58.4–1.4 19.31N–.07 67.04W–.03 25 67 1-4
NEIC IV 11 00 29 60.0–1.2 19.24N–.04 67.10W–.03 27–11 3.3,2.5L ¶610526207
RSPR IV 11 00 30 00.9 19.29N 67.05W 11–2 3.3,2.5L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=3.2km az=152.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
ISC IV 14 18 22 51.1–1.3 17.97N–.05 68.56W–.03 16–10 57 1-9
RSPR IV 14 18 22 49.9 17.91N 68.97W 22–29 3.5 ¶610528181
OSPL IV 14 18 22 52.9–2.0 17.92N 68.57W 0–15 2.4L
NEIC IV 14 18 22 53.5–1.4 18.06N–.09 68.62W–.04 43–50 3.5,2.5L
ISC Event type ke.
RSPR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 14 22 44 37.8–2.6 18.1N–.10 67.91W–.08 154–13 75 0-3
OSPL IV 14 22 44 36.8–1.5 17.84N 67.97W 165–18 2.4L ¶610528293
NEIC IV 14 22 44 38.7–1.2 18.1N–.20 67.89W–.05 150–5 3.5,2.6L
RSPR IV 14 22 44 38.6 18.12N 67.88W 151–1 3.5,2.6L
ISC Event type ke.
OSPL Error ellipse: s-maj=31.6km s-min=13.0km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=31.3km s-min=7.3km az=179.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
ISC IV 17 04 11 12.1–1.2 18.19N–.05 67.50W–.04 30–8 40 0-3
NEIC IV 17 04 11 09.9–2.4 18.13N–.06 67.62W–.04 25–14 2.9,2.3L ¶610529047
RSPR IV 17 04 11 12.8 18.17N 67.53W 20–4 2.9,2.3L
OSPL IV 17 04 11 13.0–.31 18.18N 67.29W 50–6 2.2L,2.3L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=3.6km az=204.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
OSPL Error ellipse: s-maj=1.9km s-min=4.6km az=-1.0.
ISC IV 20 18 41 40.3–2.2 17.2N–.10 68.08W–.06 50 34 1-4
NEIC IV 20 18 41 40.6–2.1 17.3N–.20 68.04W–.04 63–38 3.4,2.6L ¶610546550
RSPR IV 20 18 41 41.0 17.33N 68.08W 88–8 3.4,2.6L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=22.9km s-min=2.8km az=192.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
ISC IV 23 02 54 28.6–1.3 18.24N–.08 68.00W–.04 187–10 97 0-9
NEIC IV 23 02 54 30.3–1.1 18.1N–.10 67.99W–.02 180–6 3.9L,3.7 ¶610547539
OSPL IV 23 02 54 30.9–2.5 18.05N 67.98W 188–12 3.7L,3.7
RSPR IV 23 02 54 32.6 18.26N 67.99W 161–2 3.7,3.7
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=15.3km s-min=1.3km az=186.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
OSPL Error ellipse: s-maj=18.2km s-min=9.3km az=-1.0.
RSPR Event type ke.
ISC IV 25 13 04 01.1–1.3 18.6N–.10 68.81W–.05 134 68 0-5
NEIC IV 25 13 04 00.6–1.1 18.6N–.10 68.84W–.07 141–12 3.8,3.5L ¶610554303
RSPR IV 25 13 04 01.5 18.36N 68.83W 136–2 3.8,3.5L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=20.2km s-min=7.0km az=196.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
ISC IV 25 21 18 38.3–2.6 18.5N–.20 68.67W–.10 152–14 50 0-7
NEIC IV 25 21 18 38.3–1.1 18.5N–.10 68.70W–.07 150–16 3.8,2.9L ¶610554490
RSPR IV 25 21 18 39.2 18.24N 68.62W 153–2 3.8,2.9L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=20.1km s-min=8.7km az=195.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
ISC V 01 10 31 37.2–1.5 19.19N–.07 67.13W–.03 35 67 1-4
NEIC V 01 10 31 35.2–1.4 19.20N–.07 67.09W–.03 17–11 2.9,2.6L ¶610589606
OSPL V 01 10 31 36.1–.77 19.25N 67.06W 7–7 2.6L,2.6L
RSPR V 01 10 31 37.7 19.17N 67.10W 58–11 2.9,2.6L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=4.5km az=177.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
OSPL Error ellipse: s-maj=6.1km s-min=14.2km az=-1.0.
RSPR Event type ke.
ISC V 03 00 58 23.7–2.1 18.0N–.20 68.83W–.08 123–19 36 1-3
NEIC V 03 00 58 23.7–1.9 17.8N–.20 68.89W–.07 102–21 3.5,2.7L ¶610593217
RSPR V 03 00 58 26.4 17.90N 68.82W 99–3 3.5,2.7L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=24.9km s-min=8.0km az=189.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
ISC V 10 07 20 32.5–1.4 18.70N–.06 67.22W–.03 35 73 0-4
NEIC V 10 07 20 31.4–1.1 18.74N–.03 67.21W–.03 29–10 2.9,2.6L ¶610619325
RSPR V 10 07 20 32.0 18.77N 67.25W 10–0 2.9,2.6L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=5.6km s-min=3.4km az=141.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
ISC V 12 08 00 22.3–1.4 18.80N–.08 68.46W–.04 35 56 0-4
RSPR V 12 08 00 18.3 18.99N 68.69W 33–7 3.4 ¶610634643
NEIC V 12 08 00 21.7–2.0 18.88N–.07 68.39W–.04 35–2 3.4,2.6L
ISC Event type ke.
RSPR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 14 02 55 56.2–1.2 18.4N–.10 68.67W–.04 143 83 0-4
OSPL V 14 02 55 55.9–2.0 17.88N 68.44W 75–42 2.6L ¶610638592
RSPR V 14 02 55 56.5 18.46N 68.74W 130–1 3.5
NEIC V 14 02 55 58.6–1.9 18.6N–.20 68.63W–.09 118–15 3.6,2.7L
ISC Event type ke.
RSPR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 14 17 03 07.4–1.6 19.46N–.08 67.59W–.04 21 72 1-4
RSPR V 14 17 03 05.8 19.74N 67.65W 37–14 3.4 ¶610638630
NEIC V 14 17 03 06.9–.92 19.54N–.04 67.58W–.04 29–12 3.4,3.2L
ISC Event type ke.
RSPR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 14 18 25 06.2–2.6 17.8N–.20 68.59W–.10 89–23 42 1-3
NEIC V 14 18 25 07.0–.43 17.8N–.20 68.56W–.09 86–25 3.5,2.4L ¶610638705
OSPL V 14 18 25 08.5–1.3 17.68N 68.58W 22–10 2.3L,2.4L
RSPR V 14 18 25 08.3 17.90N 68.50W 89–2 3.5,2.4L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=33.9km s-min=8.6km az=197.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
OSPL Error ellipse: s-maj=6.2km s-min=3.4km az=-1.0.
RSPR Event type ke.
ISC V 18 16 33 03.8–1.0 18.56N–.05 67.45W–.02 27 61 0-4
NEIC V 18 16 33 04.5–.71 18.54N–.04 67.48W–.02 30–9 2.9,2.4L ¶610642315
OSPL V 18 16 33 05.7 18.60N 67.44W 25 2.2L,2.4L
RSPR V 18 16 33 05.8 18.58N 67.46W 16–0 2.9,2.4L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=6.7km s-min=1.2km az=196.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
ISC V 19 15 29 26.0–.63 18.51N–.05 68.86W–.03 114–6 3.5b 120 0-158
NEIC V 19 15 29 26.0–1.8 18.5N–.10 68.86W–.08 116–15 4.0L,3.8b ¶610645594
RSPR V 19 15 29 26.9 18.31N 68.86W 108–1 3.8,3.8b
IDC V 19 15 29 27.2–1.8 18.40N 68.83W 124–20 3.8L,3.3b
OSPL V 19 15 29 27.6–4.0 18.49N 68.74W 122–20 3.8L,3.3b
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=20.3km s-min=8.1km az=202.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
IDC Error ellipse: s-maj=22.4km s-min=16.4km az=146.0.
OSPL Error ellipse: s-maj=21.4km s-min=12.2km az=-1.0.
ISC V 20 02 41 00.6–.85 18.51N–.07 68.42W–.03 131–6 102 0-34
RSPR V 20 02 40 59.7 18.50N 68.39W 140–2 3.6 ¶610645709
NEIC V 20 02 41 01.2–1.7 18.48N–.07 68.41W–.07 125–10 3.9b,3.8L
OSPL V 20 02 41 01.8–3.6 18.42N 68.42W 139–18 3.7L,3.8L
ISC Event type ke.
RSPR Event type ke.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=8.9km az=200.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
OSPL Error ellipse: s-maj=19.7km s-min=9.5km az=-1.0.
ISC V 22 14 23 50.8–1.2 18.02N–.06 67.99W–.02 33–4 89 1-9

NEIC V 22 14 23 50.0–1.2 17.99N–.04 67.961W–.01 18–7 3.4L,3.1 ¶610646383
RSPR V 22 14 23 52.3 18.05N 67.95W 58–2 3.1,3.1
OSPL V 22 14 23 55.2–3.7 18.19N 67.88W 20–17 3.3L,3.1
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=6.3km s-min=0.9km az=184.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
OSPL Error ellipse: s-maj=21.0km s-min=9.9km az=-1.0.
ISC V 24 02 20 54.4–2.2 18.8N–.10 67.32W–.06 35 19 0-2
OSPL V 24 02 20 54.1–.32 18.89N 67.27W 25–2 1.8L ¶610650865
RSPR V 24 02 20 55.0 18.87N 67.34W 22–7 2.9
ISC Event type ke.
OSPL Error ellipse: s-maj=3.9km s-min=2.8km az=-1.0.
RSPR Event type ke.
ISC V 26 01 21 53.9–1.1 18.41N–.05 67.41W–.04 25–6 60 0-3
NEIC V 26 01 21 52.8–1.6 18.46N–.08 67.49W–.05 30–11 2.9,2.1L ¶610654553
OSPL V 26 01 21 53.9–.31 18.48N 67.24W 46–5 2.1L,2.1L
RSPR V 26 01 21 54.5 18.45N 67.45W 21–1 2.9,2.1L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=7.4km az=174.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
OSPL Error ellipse: s-maj=2.7km s-min=5.0km az=-1.0.
RSPR Event type ke.
ISC V 26 14 29 23.2–1.4 19.17N–.07 67.20W–.03 10 60 1-4
OSPL V 26 14 29 23.9–1.0 19.27N 67.07W 18–6 2.8L ¶610654747
RSPR V 26 14 29 23.3 19.26N 67.29W 69–5 3.4
NEIC V 26 14 29 23.6–1.4 19.17N–.04 67.23W–.02 16–8 3.4,2.6L
ISC Event type ke.
RSPR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC VI 02 07 05 28.5–1.9 18.4N–.20 68.31W–.09 151–7 3.2,2.6L
RSPR VI 02 07 05 27.7 18.53N 68.28W 157–1 3.2,2.6L ¶610659623
OSPL VI 02 07 05 28.0–26 18.44N 65.30W 45–999 2.5L,2.6L
NEIC Event type se. Error ellipse: s-maj=30.4km s-min=9.4km az=195.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
OSPL Error ellipse: s-maj=583.5km s-min=240.7km az=-1.0.
ISC VI 05 09 25 52.8–1.7 19.11N–.08 67.16W–.04 35 56 1-2
OSPL VI 05 09 25 46.4–2.6 19.35N 66.90W 5–15 2.4L ¶610662332
RSPR VI 05 09 25 49.8 19.32N 67.26W 41–15 3.2
NEIC VI 05 09 25 50.9–.80 19.17N–.04 67.16W–.04 32–10 3.2,2.3L
ISC Event type ke.
RSPR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 13 18 36 32.6–1.1 18.11N–.06 67.40W–.03 56–6 60 0-9
OSPL VI 13 18 36 28.5–6.3 17.97N 66.74W 88–60 2.7L ¶610672992
RSPR VI 13 18 36 31.8 18.08N 67.49W 63–0 3.0
NEIC VI 13 18 36 32.1–1.4 18.1N–.10 67.41W–.03 64–9 3.0,2.7L
ISC Event type ke.
RSPR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 17 00 13 23.6–1.2 18.15N–.07 67.87W–.03 24–13 80 0-5
OSPL VI 17 00 13 23.8–4.0 18.04N 67.41W 109–37 3.0L ¶610678733
RSPR VI 17 00 13 23.4 18.10N 68.00W 43–3 3.5
NEIC VI 17 00 13 24.1–1.7 18.12N–.08 67.88W–.02 44–16 3.5,3.0L
ISC Event type ke.
RSPR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 17 20 47 05.0–2.7 18.1N–.10 68.28W–.10 88–15 70 0-3
NEIC VI 17 20 47 05.6–1.5 18.2N–.20 68.3W–.10 92–11 3.6,2.8L ¶610681453
RSPR VI 17 20 47 07.4 18.05N 68.26W 70–2 3.6,2.8L
OSPL VI 17 20 47 09.9–4.0 17.99N 68.21W 25–97 2.5L,2.8L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=26.4km s-min=15.2km az=202.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
OSPL Error ellipse: s-maj=36.2km s-min=12.9km az=-1.0.
ISC VI 21 07 54 51.1–1.4 18.30N–.09 67.85W–.03 152–8 91 0-8
NEIC VI 21 07 54 50.9–.88 18.2N–.10 67.87W–.05 152–2 3.7L,3.6 ¶610686655
OSPL VI 21 07 54 51.9–3.1 18.21N 67.75W 162–16 3.6L,3.6
RSPR VI 21 07 54 51.4 18.11N 67.84W 149–1 3.6,3.6
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=21.5km s-min=6.8km az=188.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
OSPL Error ellipse: s-maj=19.0km s-min=10.2km az=-1.0.
RSPR Event type ke.
ISC VI 22 16 38 23.3–.48 18.17N–.04 68.44W–.03 88–4 4.5b 522 0-158
IDC VI 22 16 38 23.6–.61 18.18N 68.47W 88–5 4.3,3.9b ¶610693709
RSPR VI 22 16 38 23.8 18.14N 68.43W 95–3 4.3,3.9b
NEIC VI 22 16 38 24.1–1.4 18.17N–.05 68.40W–.05 95–5 4.6L,4.5b
OSPL VI 22 16 38 25.8–3.5 18.16N 68.44W 88–21 4.3L,4.5b
ISC Event type ke.
IDC Error ellipse: s-maj=12.1km s-min=7.6km az=8.0.
RSPR Event type ke.
NEIC Event type se. Error ellipse: s-maj=8.5km s-min=6.6km az=210.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
OSPL Error ellipse: s-maj=18.7km s-min=8.3km az=-1.0.
ISC VI 23 12 17 40.6–1.4 19.03N–.05 67.78W–.03 1–11 79 1-14
OSPL VI 23 12 17 42.4 19.10N 67.77W 0 3.8L ¶610694232
NEIC VI 23 12 17 42.3–1.4 18.96N–.04 67.81W–.02 9–1 4.1L,3.9
RSPR VI 23 12 17 43.4 18.97N 67.84W 5–31 3.9,3.9
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=6.1km s-min=3.1km az=191.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
ISC VI 24 03 12 00.6–2.7 18.2N–.20 68.20W–.09 103–15 63 0-3
NEIC VI 24 03 11 59.4–1.9 18.2N–.10 68.3W–.10 102–14 3.5,2.6L ¶610694382
OSPL VI 24 03 12 00.2–.82 18.01N 68.29W 107–22 2.7L,2.6L
RSPR VI 24 03 12 02.0 18.11N 68.20W 92–1 3.5,2.6L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=21.6km s-min=15.8km az=60.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
OSPL Error ellipse: s-maj=24.9km s-min=6.7km az=-1.0.
RSPR Event type ke.
ISC VI 24 03 46 36.8–1.4 18.51N–.07 68.89W–.03 129–9 98 0-7
RSPR VI 24 03 46 37.2 18.15N 68.97W 119–3 3.7 ¶610694354
NEIC VI 24 03 46 37.6–1.7 18.4N–.20 68.90W–.05 123–11 3.7,3.4L
OSPL VI 24 03 46 39.4–2.9 18.38N 68.91W 125–15 3.2L,3.4L
ISC Event type ke.
RSPR Event type ke.
NEIC Event type se. Error ellipse: s-maj=35.4km s-min=1.7km az=190.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
OSPL Error ellipse: s-maj=14.9km s-min=6.6km az=-1.0.
ISC VI 24 17 06 05.1–1.8 19.32N–.07 67.16W–.04 10–10 48 1-4
NEIC VI 24 17 06 07.7–1.3 19.23N–.09 67.21W–.04 22–9 3.1,2.6L ¶610694555
RSPR VI 24 17 06 07.2 19.21N 67.47W 85–5 3.1,2.6L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=5.8km az=183.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
ISC VI 28 21 49 27.4–1.7 19.41N–.09 67.07W–.04 21–5 55 1-4
OSPL VI 28 21 49 27.6–.72 19.44N 67.09W 11–8 2.6L ¶610699037
RSPR VI 28 21 49 28.1 19.50N 67.08W 59–10 3.2
NEIC VI 28 21 49 28.9–.65 19.38N–.06 67.06W–.04 35–2 3.2,2.4L
ISC Event type ke.
RSPR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 29 01 56 55.5–1.9 19.38N–.06 67.07W–.03 23–15 72 1-4
OSPL VI 29 01 56 55.3–2.0 19.38N 67.00W 7–21 2.9L ¶610699042
RSPR VI 29 01 56 56.6 19.41N 67.07W 11–2 3.4
NEIC VI 29 01 56 56.0–.44 19.38N–.03 67.07W–.04 29–12 3.4,2.8L
ISC Event type ke.
RSPR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 29 02 58 54.8–2.7 19.5N–.10 67.05W–.05 25 33 1-2
NEIC VI 29 02 58 57.2–1.3 19.48N–.03 67.06W–.04 25–12 3.2,2.1L ¶610699049
RSPR VI 29 02 58 57.5 19.53N 67.18W 65–12 3.2,2.1L
OSPL VI 29 02 58 59.8–.35 19.35N 67.11W 17–5 2.1L,2.1L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=5.4km s-min=4.3km az=138.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
OSPL Error ellipse: s-maj=3.5km s-min=4.0km az=-1.0.

(90) Puerto Rico region.

ISC I 09 20 00 06.7–1.4 18.29N–.09 66.04W–.03 126–7 92 0-6
TRN I 09 20 00 06.0 18.47N 65.96W 112 ¶610050765
NEIC I 09 20 00 07.7–.70 18.3N–.10 66.06W–.02 120–4 3.7L,3.2
RSPR I 09 20 00 08.2 18.30N 66.06W 119–0 3.1,3.2
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=15.0km s-min=2.0km az=175.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
ISC I 15 21 08 58.4–1.6 19.13N–.08 66.67W–.03 28 65 1-2
NEIC I 15 21 08 58.7–.72 19.14N–.03 66.71W–.01 33–10 3.4,2.4L ¶610095171
RSPR I 15 21 08 59.8 19.18N 66.68W 24–21 3.4,2.4L
OSPL I 15 21 09 01.2–3.2 18.98N 66.63W 5–21 2.4L,2.4L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=5.0km s-min=1.9km az=172.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
OSPL Error ellipse: s-maj=20.0km s-min=25.6km az=-1.0.
ISC I 15 23 28 03.5–1.3 19.27N–.04 65.14W–.02 30–10 4.0b,3.1s 154 1-162
IDC I 15 23 27 58.7–1.3 19.34N 64.95W 0 4.0,3.8b ¶610095168
RSPR I 15 23 28 04.2 19.35N 65.05W 30–27 3.9,3.8b
NEIC I 15 23 28 05.8–1.1 19.19N–.04 65.21W–.05 34–7 4.2b,4.0L
ISC Event type ke.
RSPR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
ISC I 16 05 06 27.0–.58 19.26N–.06 65.04W–.05 40–8 4.0b,3.4s 113 1-162
IDC I 16 05 06 22.6–.88 19.30N 64.96W 0 3.8,3.7b ¶610095182
OSPL I 16 05 06 25.3–13 19.19N 64.71W 45–999 3.5L,3.7b
RSPR I 16 05 06 25.8 19.35N 64.89W 58–11 3.8,3.7b
NEIC I 16 05 06 29.0–2.5 19.19N–.05 65.15W–.05 60–1 4.2b,4.0L
ISC Event type ke.
RSPR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 17 05 28 02.5–.98 17.99N–.05 65.63W–.03 30–6 51 0-1
NEIC I 17 05 28 01.4–.46 17.83N–.02 65.63W–.02 19–2 3.5,2.9L ¶610098431
RSPR I 17 05 28 03.0 17.90N 65.63W 7–0 3.5,2.9L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=3.7km s-min=1.5km az=220.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
ISC I 17 18 18 16.0–2.4 19.5N–.10 65.49W–.08 22–7 28 1-6
NEIC I 17 18 18 16.7–1.5 19.61N–.09 65.43W–.06 36–46 3.5,2.6L ¶610099177
RSPR I 17 18 18 18.5 19.27N 65.38W 112–5 3.5,2.6L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=14.4km s-min=5.5km az=208.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
ISC I 23 08 48 53.5–.92 17.88N–.04 65.89W–.02 19 47 0-4
NEIC I 23 08 48 53.2–.44 17.86N–.03 65.882W–.01 17–4 2.5,2.0L ¶610105281
RSPR I 23 08 48 54.4 17.90N 65.88W 8–0 2.5,2.0L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=4.2km s-min=0.4km az=169.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
ISC I 27 10 10 02.0–1.8 19.09N–.08 66.03W–.03 29–12 58 1-5
NEIC I 27 10 10 02.4–.54 19.1N–.10 66.05W–.04 32–17 3.2L,3.2 ¶610135417
OSPL I 27 10 10 02.6–.85 18.92N 65.99W 0–8 2.7L,3.2
RSPR I 27 10 10 03.5 19.12N 66.04W 25–13 3.2,3.2
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=14.8km s-min=4.4km az=189.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
OSPL Error ellipse: s-maj=14.2km s-min=19.9km az=-1.0.
RSPR Event type ke.
ISC I 31 19 56 41.8–1.7 18.97N–.09 66.56W–.03 52–16 54 0-4
NEIC I 31 19 56 41.9–1.5 18.95N–.08 66.56W–.04 54–12 2.8L,2.6 ¶610159383
RSPR I 31 19 56 44.4 18.91N 66.54W 45–4 2.6,2.6
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=4.8km az=185.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
ISC II 02 15 48 13.7–1.1 18.89N–.06 65.92W–.03 50 77 1-20
OSPL II 02 15 48 16.7–1.3 18.79N 65.89W 54–36 3.6L ¶610180946
RSPR II 02 15 48 16.9 18.61N 65.95W 76–1 3.6
NEIC II 02 15 48 16.1–.75 18.62N–.10 65.94W–.02 76–7 4.0L,3.6
ISC Event type ke.
RSPR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC II 21 07 00 19.8–.92 18.54N–.08 66.55W–.06 46–10 2.6,1.4L
RSPR II 21 07 00 20.4 18.55N 66.56W 43–2 2.6,1.4L ¶610244603
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=8.2km az=186.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
RSPR II 21 07 01 06.9 18.86N 65.95W 23–8
NEIC II 21 07 01 05.8–1.2 18.85N–.08 65.83W–.07 37–68 2.6,1.3L ¶610244600
RSPR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 05 18 50 07.6–1.6 19.18N–.08 66.65W–.03 28 64 1-4
NEIC III 05 18 50 08.5–.94 19.20N–.05 66.73W–.04 32–10 3.3,2.8L ¶610245489

RSPR III 05 18 50 10.1 19.20N 66.68W 37–7 3.3,2.8L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=8.0km s-min=3.9km az=148.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
ISC III 06 06 53 19.7–2.3 19.0N–.10 65.10W–.03 15–11 70 1-10
NEIC III 06 06 53 20.5–1.8 19.01N–.04 65.13W–.02 10–1 3.6,3.5L **¶610245506**
RSPR III 06 06 53 23.5 18.95N 65.14W 5–2 3.5,3.5L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=7.1km s-min=3.3km az=181.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
ISC III 06 07 17 18.3–1.6 19.01N–.06 65.06W–.02 14–10 91 1-8
NEIC III 06 07 17 20.0–1.4 18.99N–.02 65.15W–.03 10–1 3.7L,3.6 **¶610245507**
RSPR III 06 07 17 23.3 18.91N 65.17W 7–1 3.6,3.6
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=5.8km s-min=2.9km az=299.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
ISC III 24 18 32 01.2–.48 19.03N–.04 66.73W–.03 35 4.2b,3.2s 134 1-133
IDC III 24 18 31 57.7–.90 19.08N 66.77W 0 3.7,3.6b **¶610434668**
OSPL III 24 18 31 58.2–3.1 19.24N 66.28W 31–194 4.2L,3.6b
RSPR III 24 18 32 02.5 19.04N 66.74W 37–9 3.8,3.6b
NEIC III 24 18 32 02.2–2.2 18.99N–.02 66.70W–.05 44–8 4.3b,4.1L
NEIC III 24 18 32 02.5 19.04N 66.74W 37 4.3b,4.1L
ISC Event type ke.
IDC Error ellipse: s-maj=30.2km s-min=15.9km az=62.0.
OSPL Error ellipse: s-maj=21.8km s-min=112.9km az=-1.0.
RSPR Event type ke.
NEIC Event type se. Error ellipse: s-maj=6.7km s-min=2.1km az=71.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}2.83 $M_{\theta\theta}$-3.89 $M_{\phi\phi}$1.06 $M_{r\theta}$0.38 $M_{\theta\phi}$1.88 $M_{\phi r}$2.06 NP1:ϕ_s319.81000°,δ57.95000°,λ135.50000°. NP2:ϕ_s77.36000°,δ53.55000° ,λ41.28000°. Principal axes: T 4.4229,Plg53.0000°,Azm286.0000°; N 0.1150,Plg37.0000° ,Azm111.0000°; P -4.5379,Plg3.0000°,Azm19.0000° $M_0$4.48000×10^{14}
NEIC Event type se.
ISC III 28 01 24 12.0–2.5 19.56N–.09 65.17W–.03 13–15 45 1-4
RSPR III 28 01 24 14.2 19.55N 64.86W 43–25 3.5 **¶610437102**
NEIC III 28 01 24 14.0–1.5 19.57N–.10 64.98W–.09 39–56 3.5,2.8L
ISC Event type ke.
RSPR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 28 06 26 22.4–1.6 18.97N–.08 65.11W–.04 25 69 1-4
NEIC III 28 06 26 23.0–1.0 18.98N–.07 65.11W–.04 35–2 3.5,2.6L **¶610437107**
RSPR III 28 06 26 23.6 19.00N 65.06W 24–20 3.5,2.6L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=6.3km az=7.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
ISC III 30 22 34 56.4–1.3 19.16N–.05 65.25W–.03 31–10 4.2b,3.6s 188 1-162
IDC III 30 22 34 51.4–.67 19.20N 65.21W 0 4.1,4.0b **¶610460768**
RSPR III 30 22 34 55.0 19.31N 65.06W 29–17 4.0,4.0b
OSPL III 30 22 34 56.8–2.6 19.31N 65.10W 31–200 3.9L,4.0b
NEIC III 30 22 34 59.1–2.1 19.01N–.05 65.30W–.05 46–10 4.3b,4.1L
ISC Event type ke.
RSPR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 30 23 49 05.0–1.7 19.27N–.09 65.26W–.04 10 36 1-4
RSPR III 30 23 49 09.7 19.19N 65.19W 33–12 3.3 **¶610460778**
NEIC III 30 23 49 10.2–.96 19.12N–.05 65.25W–.04 35–2 3.3,2.4L
ISC Event type ke.
RSPR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 31 10 03 05.4–2.3 19.3N–.10 65.12W–.04 30–14 53 1-4
RSPR III 31 10 03 05.7 19.26N 65.05W 60–13 3.5 **¶610465776**
NEIC III 31 10 03 05.4–1.4 19.27N–.06 65.09W–.05 35–2 3.5,2.9L
ISC Event type ke.
RSPR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 31 16 44 05.9–1.8 20.0N–.10 66.04W–.05 35 29 2-5
OSPL III 31 16 44 07.4–.54 19.78N 66.09W 6–52 3.3L **¶610467789**
NEIC III 31 16 44 08.1–1.1 19.9N–.10 66.11W–.08 35–25 3.3L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 31 19 11 01.9–1.8 19.19N–.07 65.18W–.04 14–12 72 1-6
RSPR III 31 19 11 04.8 19.20N 65.13W 53–13 3.6 **¶610468871**
NEIC III 31 19 11 06.0–2.2 19.08N–.07 65.22W–.04 36–41 3.6,3.3L
ISC Event type ke.
RSPR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 03 08 43 59.1–2.8 19.3N–.10 65.27W–.05 7–12 36 1-4
NEIC IV 03 08 44 02.7–1.2 19.22N–.07 65.23W–.06 35–2 3.4,2.4L **¶610473049**
RSPR IV 03 08 44 03.2 19.16N 65.14W 52–11 3.4,2.4L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=13.1km s-min=7.4km az=25.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
ISC IV 05 18 42 42.3–2.0 19.3N–.10 65.58W–.05 16 25 1-5
RSPR IV 05 18 42 43.5 19.17N 65.47W 98–8 3.1 **¶610505779**
NEIC IV 05 18 42 46.4–2.8 19.0N–.10 65.61W–.04 38–45 3.1,2.3L
ISC Event type ke.
RSPR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 06 18 58 07.5–1.5 18.98N–.07 66.77W–.03 29 55 1-4
NEIC IV 06 18 58 08.5–1.1 18.97N–.02 66.81W–.04 36–59 3.1,2.3L **¶610518256**
RSPR IV 06 18 58 09.4 19.01N 66.81W 20–11 3.1,2.3L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=5.8km s-min=1.6km az=64.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
ISC IV 09 04 58 57.4–1.5 19.09N–.08 66.92W–.03 29 57 1-2
NEIC IV 09 04 58 56.3–1.3 19.22N–.08 67.01W–.07 37–40 3.3,2.3L **¶610523775**
OSPL IV 09 04 58 57.1 19.03N 66.66W 18 2.2L,2.3L
RSPR IV 09 04 58 58.3 19.17N 66.99W 30–10 3.2,2.3L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=7.3km az=148.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
ISC IV 14 12 33 44.1–1.5 19.10N–.09 65.60W–.03 47–32 81 1-15
NEIC IV 14 12 33 44.8–1.4 19.07N–.05 65.60W–.04 50–26 3.5L,3.4 **¶610528152**
RSPR IV 14 12 33 44.5 19.15N 65.59W 54–6 3.4,3.4
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=8.6km s-min=5.4km az=197.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
ISC IV 19 23 35 55.9–1.9 18.99N–.10 66.81W–.04 35 33 1-2
RSPR IV 19 23 35 56.0 19.09N 66.81W 22–16 **¶610544099**
OSPL IV 19 23 35 56.4–.33 18.91N 66.71W 21–2 2.8L
ISC Event type ke.
RSPR Event type ke.
OSPL Error ellipse: s-maj=2.4km s-min=5.1km az=-1.0.
ISC IV 24 12 42 02.5–1.1 19.91N–.06 66.26W–.04 37–2 3.7b 147 1-161
OSPL IV 24 12 42 00.7 19.96N 66.14W 15 3.6L **¶610548740**
NEIC IV 24 12 42 02.1–1.2 19.95N–.08 66.277W–.01 33–15 3.6L,2.9
RSPR IV 24 12 42 02.7 19.97N 66.27W 18–5 2.9,2.9
IDC IV 24 12 42 06.2–2.7 19.70N 66.32W 70–29 3.7,3.4b
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=1.3km az=180.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
IDC Error ellipse: s-maj=29.4km s-min=21.9km az=45.0.
ISC V 07 19 38 59.8–1.5 19.05N–.08 65.37W–.03 26 71 1-4
NEIC V 07 19 39 00.9–.52 19.1N–.10 65.41W–.03 47–30 3.3,2.8L **¶610617929**
RSPR V 07 19 39 01.2 19.05N 65.36W 55–8 3.3,2.8L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=16.2km s-min=4.1km az=185.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
RSPR V 12 09 26 19.8 17.88N 65.64W 14–0 2.7
¶610634644
RSPR Event type ke.
RSPR VI 02 16 00 22.3 18.88N 66.51W 35–10
¶617481117
RSPR Event type ke.
RSPR VI 02 16 00 56.0 18.93N 66.66W 23–15 3.0
NEIC VI 02 16 00 55.1–.80 18.89N–.07 66.71W–.03 38–19 3.0,2.3L **¶610660607**
RSPR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 03 03 42 11.4–1.1 18.40N–.05 66.43W–.02 61–6 87 0-10
NEIC VI 03 03 42 11.4–.79 18.42N–.07 66.42W–.03 61–5 3.6L,3.4 **¶610660632**
RSPR VI 03 03 42 12.5 18.38N 66.44W 58–0 3.4,3.4
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=3.5km az=189.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
ISC VI 18 11 31 30.7–1.5 18.86N–.09 65.04W–.03 25 71 1-6
NEIC VI 18 11 31 33.0–1.1 18.7N–.10 65.05W–.04 33–17 3.3L,3.3 **¶610681514**
RSPR VI 18 11 31 33.1 18.79N 65.07W 9–2 3.3,3.3
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=16.7km s-min=3.5km az=192.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
ISC VI 23 02 27 32.8–1.5 19.41N–.07 65.56W–.04 16 58 1-5
NEIC VI 23 02 27 31.7–1.4 19.45N–.06 65.55W–.05 10–2 3.3,2.7L **¶610693800**
RSPR VI 23 02 27 33.0 19.57N 65.52W 9–5 3.3,2.7L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=6.7km az=19.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
ISC VI 26 01 58 28.6–1.6 19.11N–.07 66.46W–.03 20–6 52 1-5
NEIC VI 26 01 58 29.9–1.7 19.05N–.04 66.48W–.03 24–10 3.0,2.9L **¶610694776**
RSPR VI 26 01 58 32.1 19.11N 66.49W 36–16 3.0,2.9L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=5.2km s-min=3.8km az=203.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
RSPR VI 28 09 38 05.9 18.85N 65.37W 5–5
¶610697593
RSPR Event type ke.

(91) Virgin Islands.

ISC I 08 14 56 23.9–2.0 19.0N–.10 64.33W–.06 42 42 1-4
NEIC I 08 14 56 23.6–1.5 19.03N–.10 64.33W–.06 36–53 3.5,3.1L **¶610049667**
RSPR I 08 14 56 24.1 19.08N 64.32W 37–21 3.5,3.1L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=14.4km s-min=7.0km az=198.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
ISC I 08 21 53 14.0–2.1 18.91N–.09 64.36W–.03 9–11 79 1-4
TRN I 08 21 53 13.7 19.01N 64.37W 31 3.8 **¶610049847**
RSPR I 08 21 53 18.3 18.89N 64.35W 25–24 3.8
NEIC I 08 21 53 19.5–1.9 18.73N–.08 64.44W–.05 35–2 3.8,3.4L
ISC Event type ke.
RSPR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 11 09 24 42.4–2.1 19.2N–.10 64.58W–.05 42 34 1-3
RSPR I 11 09 24 41.8 19.18N 64.48W 42–15 3.1 **¶610056561**
NEIC I 11 09 24 43.6–1.3 19.04N–.06 64.75W–.05 22–6 3.2,2.7L
ISC Event type ke.
RSPR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 22 07 55 31.7–2.2 19.4N–.10 64.86W–.04 23 27 1-5
NEIC I 22 07 55 35.0–.29 19.23N–.03 64.91W–.05 10–9 3.2,2.2L **¶610105072**
RSPR I 22 07 55 37.2 19.35N 64.92W 14–16 3.1,2.2L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=7.5km s-min=3.4km az=116.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
ISC I 22 12 45 55.7–3.0 19.23N–.06 64.31W–.05 9–21 3.3b 104 1-55
IDC I 22 12 45 53.4–3.3 19.17N 64.17W 0 3.5,3.3b **¶610105081**
RSPR I 22 12 45 57.1 19.45N 64.21W 25–23 3.7,3.3b
NEIC I 22 12 45 58.2–1.6 19.26N–.08 64.42W–.05 13–12 3.8L,3.7
ISC Event type ke.
RSPR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR I 27 15 19 19.2 19.82N 64.20W 61–25 3.7
NEIC I 27 15 19 18.1–.41 19.8N–.10 64.2W–.10 39–57 3.8,2.9L **¶610145085**
RSPR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR II 01 00 28 37.6 19.21N 64.63W 32–26 3.5
NEIC II 01 00 28 34.5–1.0 19.34N–.07 64.6W–.10 35–2 3.5,2.8L **¶610159389**
RSPR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 16 04 28 26.9–3.2 19.4N–.10 64.85W–.09 23 26 1-3
NEIC II 16 04 28 26.3–1.7 19.52N–.07 64.77W–.06 39–56 3.6,2.4L **¶610216965**
RSPR II 16 04 28 27.3 19.56N 64.81W 50–8 3.6,2.4L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=3.2km az=140.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
ISC II 16 07 18 59.9–2.8 19.6N–.20 64.85W–.06 35 29 2-4

NEIC II 16 07 18 59.1–1.3 19.6N–.10 64.85W–.03 40–56 3.5,2.9L ¶610216971
RSPR II 16 07 19 00.5 19.56N 64.84W 61–19 3.5,2.9L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=17.5km s-min=3.2km az=186.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
ISC II 25 03 06 01.6–3.1 19.2N–.10 64.94W–.10 25 21 1-2
NEIC II 25 03 06 03.9–1.0 19.10N–.07 64.84W–.07 35–2 3.1,2.8L ¶610241217
RSPR II 25 03 06 03.6 19.08N 64.81W 64–11 3.1,2.8L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=8.9km az=40.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
ISC II 25 03 21 46.7–4.8 19.2N–.20 64.7W–.20 42 14 1-2
RSPR II 25 03 21 46.8 19.25N 64.77W 60–6 3.0 ¶610241222
NEIC II 25 03 21 47.7–.74 19.1N–.10 64.7W–.10 39–56 3.0,1.9L
NEIC II 25 03 22 40.8–1.2 19.20N–.05 64.82W–.05 35–2 3.3,2.3L
ISC Event type ke.
RSPR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 25 03 22 41.6–3.9 19.2N–.20 64.8W–.10 35 26 1-2
RSPR II 25 03 22 40.4 19.20N 64.73W 51–12 3.3 ¶610241227
ISC Event type ke.
RSPR Event type ke.
ISC II 25 04 15 33.1–1.8 19.1N–.10 64.91W–.04 50 52 1-4
TRN II 25 04 15 27.8 19.37N 64.95W 98 ¶610240975
NEIC II 25 04 15 28.8–1.3 19.1N–.10 64.69W–.05 23–20 3.8,3.3L
RSPR II 25 04 15 30.0 19.14N 64.66W 57–14 3.8,3.3L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=19.7km s-min=5.1km az=193.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
ISC III 11 00 52 32.4–2.8 18.8N–.20 64.28W–.07 24–16 37 1-3
TRN III 11 00 52 33.4 18.73N 64.34W 45 3.5 ¶610323166
NEIC III 11 00 52 33.9–.60 18.8N–.10 64.28W–.06 35–2 3.5,2.5L
RSPR III 11 00 52 34.9 18.78N 64.30W 50–4 3.5,2.5L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=17.7km s-min=9.0km az=5.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
ISC III 23 12 58 08.6–1.5 18.93N–.10 64.30W–.03 54–39 86 1-10
TRN III 23 12 58 05.8 18.92N 64.30W 24 3.6 ¶610431611
NEIC III 23 12 58 07.2–1.6 19.0N–.10 64.20W–.06 51–36 3.6L,3.6
RSPR III 23 12 58 08.6 18.77N 64.22W 71–7 3.6,3.6
OSPL III 23 12 58 44.6–.30 18.40N 67.19W 5 2.0L,3.6
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=15.4km s-min=7.6km az=188.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
OSPL Error ellipse: s-maj=1.6km s-min=1.9km az=-1.0.
ISC IV 07 16 15 26.6–2.9 19.3N–.10 64.5W–.10 27 32 1-6
NEIC IV 07 16 15 25.2–1.3 19.3N–.20 64.5W–.10 13–29 3.5,2.7L ¶610521451
RSPR IV 07 16 15 26.3 19.49N 64.52W 51–27 3.5,2.7L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=36.4km s-min=5.3km az=213.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
ISC IV 14 03 05 49.4–1.6 19.20N–.08 64.68W–.03 10 83 1-5
RSPR IV 14 03 05 51.6 19.21N 64.63W 7–4 3.6 ¶610528019
NEIC IV 14 03 05 51.6–1.2 19.11N–.02 64.72W–.05 14–9 3.6,3.2L
ISC Event type ke.
RSPR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 14 04 26 16.2–1.8 19.05N–.09 64.82W–.05 25 55 1-4
RSPR IV 14 04 26 14.9 19.19N 64.66W 35–18 3.6 ¶610528015
NEIC IV 14 04 26 17.1–2.4 19.05N–.06 64.82W–.05 35–2 3.7,3.2L
ISC Event type ke.
RSPR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 14 06 06 26.4–1.6 19.13N–.08 64.80W–.03 35 74 1-6
NEIC IV 14 06 06 23.7–1.1 19.12N–.09 64.76W–.03 17–14 3.6,2.8L ¶610528005
RSPR IV 14 06 06 24.1 19.22N 64.65W 42–13 3.5,2.8L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=4.3km az=187.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
ISC IV 14 06 33 09.3–2.5 19.2N–.10 64.74W–.07 42 30 1-3
RSPR IV 14 06 33 08.6 19.21N 64.62W 50–18 3.5 ¶610528085
NEIC IV 14 06 33 09.1–1.4 19.18N–.06 64.75W–.04 35–2 3.5,2.4L
ISC Event type ke.
RSPR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 14 23 07 14.7–2.3 19.3N–.10 64.42W–.07 16–12 59 1-4
RSPR IV 14 23 07 21.1 19.24N 64.53W 25–24 3.5 ¶610528177
NEIC IV 14 23 07 22.7–2.1 19.08N–.05 64.74W–.03 22–12 3.5,2.8L
ISC Event type ke.
RSPR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 15 05 53 22.5–2.0 19.13N–.10 64.73W–.06 42 56 1-6
NEIC IV 15 05 53 21.6–1.9 19.08N–.08 64.77W–.05 19–14 3.7,3.1L ¶610528323
RSPR IV 15 05 53 21.6 19.15N 64.64W 53–11 3.7,3.1L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=12.6km s-min=5.7km az=195.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
ISC IV 15 09 05 58.7–2.3 19.2N–.10 64.80W–.06 35 44 1-2
NEIC IV 15 09 05 57.1–1.0 19.29N–.06 64.83W–.06 35–2 3.3,2.5L ¶610528561
RSPR IV 15 09 05 58.2 19.21N 64.71W 38–25 3.4,2.5L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=6.8km az=220.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
ISC IV 16 05 25 24.9–2.0 19.15N–.08 64.85W–.05 13–11 70 1-6
NEIC IV 16 05 25 25.6–1.4 19.13N–.09 64.85W–.04 16–13 3.6,3.1L ¶610528757
RSPR IV 16 05 25 26.9 19.19N 64.72W 25–29 3.6,3.1L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=14.0km s-min=3.4km az=197.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
ISC IV 16 05 34 02.5–1.7 19.14N–.09 64.85W–.03 25 51 1-6
TRN IV 16 05 33 59.7 19.43N 64.75W 39 ¶610528759
RSPR IV 16 05 34 00.4 19.03N 64.60W 91–5 3.7
NEIC IV 16 05 34 02.7–.96 19.1N–.10 64.80W–.05 28–18 3.7,3.3L
ISC Event type ke.
RSPR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 16 07 35 30.1–2.8 19.1N–.10 64.77W–.09 25 45 1-2
NEIC IV 16 07 35 29.1–1.5 19.2N–.20 64.8W–.10 19–25 3.5,2.7L ¶610532505
RSPR IV 16 07 35 30.6 19.17N 64.71W 35–22 3.5,2.7L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=28.1km s-min=7.9km az=217.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
ISC IV 16 11 15 09.5–.92 19.11N–.06 64.79W–.03 35 3.3b 83 1-55
IDC IV 16 11 15 02.5–4.4 19.06N 64.64W 0 3.2,3.2b ¶610528765
TRN IV 16 11 15 04.5 19.23N 64.83W 16 3.2,3.2b
RSPR IV 16 11 15 06.9 19.19N 64.56W 42–9 3.4,3.2b
NEIC IV 16 11 15 07.8–1.8 19.14N–.08 64.65W–.05 35–2 3.5L,3.4
ISC Event type ke.
RSPR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 17 07 12 42.4–2.3 19.4N–.10 64.82W–.06 23 16 1-4
NEIC IV 17 07 12 43.1–.28 19.39N–.03 64.80W–.06 35–2 3.0,2.3L ¶610529061
RSPR IV 17 07 12 46.4 19.34N 64.79W 51–13 3.0,2.3L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=3.1km az=118.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
ISC IV 17 12 24 49.8–3.4 19.3N–.20 64.95W–.09 23 20 1-2
RSPR IV 17 12 24 53.4 19.28N 64.87W 39–10 2.5 ¶610529484
NEIC IV 17 12 24 54.7–2.1 19.13N–.07 64.94W–.05 35–2 2.5,2.1L
ISC Event type ke.
RSPR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR IV 17 20 30 40.8 19.83N 64.17W 25–9 2.6
NEIC IV 17 20 30 39.7–.53 19.8N–.30 64.2W–.20 27–44 2.8L,2.6 ¶610529596
RSPR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR IV 19 04 21 05.1 18.89N 64.15W 25–22 3.1
¶610590154
RSPR Event type ke.
ISC V 13 02 28 59.0–1.4 19.60N–.08 64.62W–.03 27 81 1-20
RSPR V 13 02 28 60.0 19.69N 64.56W 38–19 3.6 ¶610638084
NEIC V 13 02 29 02.6–.76 19.4N–.10 64.71W–.06 35–2 3.3L
ISC Event type ke.
RSPR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 23 05 46 23.3–2.4 18.98N–.09 64.33W–.03 11–13 120 1-7
TRN V 23 05 46 24.1 18.97N 64.33W 29 ¶610650492
NEIC V 23 05 46 27.8–1.2 18.8N–.10 64.37W–.06 31–19 3.6,3.5L
OSPL V 23 05 46 27.6–1.6 18.79N 64.44W 0–144 3.5L,3.5L
RSPR V 23 05 46 28.0 18.86N 64.33W 25–20 3.6,3.5L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=21.2km s-min=5.3km az=195.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
OSPL Error ellipse: s-maj=39.5km s-min=126.6km az=-1.0.
RSPR Event type ke.
ISC V 24 14 25 45.2–.78 19.11N–.06 64.94W–.03 35 3.4b,3.2s 103 1-67
OSPL V 24 14 25 42.1 19.19N 64.68W 15 3.9L,3.2s ¶610651498
IDC V 24 14 25 44.0–2.8 19.29N 65.34W 0 3.3,3.3b
RSPR V 24 14 25 43.6 19.31N 64.79W 45–16 3.9,3.3b
NEIC V 24 14 25 44.4–1.8 19.20N–.08 64.87W–.03 41–17 4.3b,3.9
ISC Event type ke.
RSPR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 25 02 54 37.5–2.4 19.7N–.10 64.67W–.04 27 24 1-4
RSPR V 25 02 54 50.3 19.32N 64.77W 25–22 2.6 ¶610653568
ISC Event type ke.
RSPR Event type ke.
ISC V 25 05 47 16.8–1.4 19.28N–.08 64.83W–.03 23 65 1-6
RSPR V 25 05 47 18.7 19.25N 64.81W 7–5 3.7 ¶610653576
NEIC V 25 05 47 19.6–1.3 19.20N–.04 64.89W–.03 35–2 3.7,3.5L
ISC Event type ke.
RSPR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 25 07 01 07.7–1.9 19.1N–.10 64.92W–.05 35 27 1-6
RSPR V 25 07 01 05.2 19.30N 64.81W 43–15 3.5 ¶610653583
ISC Event type ke.
RSPR Event type ke.
ISC V 25 07 12 28.0–3.4 19.2N–.20 64.9W–.10 25 22 1-2
NEIC V 25 07 12 28.3–.22 19.18N–.07 64.83W–.07 35–2 3.1,2.0L ¶610654432
RSPR V 25 07 12 29.1 19.17N 64.84W 45–13 3.1,2.0L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=13.8km s-min=7.8km az=39.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
ISC V 27 09 48 14.3–3.1 19.2N–.10 64.21W–.04 8–13 34 1-7
NEIC V 27 09 48 15.8–.90 19.15N–.04 64.1W–.10 35–2 3.3,3.0L ¶610655125
RSPR V 27 09 48 16.3 19.21N 64.05W 40–17 3.3,3.0L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=16.5km s-min=7.3km az=89.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
ISC V 29 17 35 01.7–.52 19.11N–.05 64.72W–.03 42 4.1b 161 1-162
IDC V 29 17 34 57.9–.89 19.22N 64.97W 0 3.9,3.8L ¶610655567
NEIC V 29 17 34 59.0–1.6 19.13N–.05 64.70W–.03 17–6 4.3b,4.2L
RSPR V 29 17 34 59.5 19.24N 64.58W 42–9 3.7,4.2L
OSPL V 29 17 35 00.3–2.4 19.30N 64.53W 31–364 4.0L,4.2L
ISC Event type ke.
IDC Error ellipse: s-maj=21.8km s-min=16.4km az=109.0.
NEIC Event type se. Error ellipse: s-maj=7.5km s-min=4.0km az=193.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
OSPL Error ellipse: s-maj=63.0km s-min=234.2km az=-1.0.
ISC VI 03 23 32 47.4–.83 19.22N–.06 64.30W–.03 38–2 3.7b 134 1-162
IDC VI 03 23 32 42.8–1.3 19.26N 64.28W 0 3.7,3.5b ¶610661290
RSPR VI 03 23 32 45.1 19.33N 64.09W 33–23 3.5,3.5b
NEIC VI 03 23 32 47.2–1.5 19.21N–.05 64.33W–.04 34–8 4.1b,3.9L
ISC Event type ke.
RSPR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 04 00 06 03.9–.89 19.32N–.07 64.19W–.04 39–11 103 1-37
RSPR VI 04 00 06 01.0 19.46N 63.91W 36–19 4.0 ¶610661320
NEIC VI 04 00 06 05.1–1.6 19.25N–.07 64.28W–.04 34–10 4.1b,4.0
ISC Event type ke.
RSPR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 04 00 10 31.7–2.2 19.2N–.10 64.21W–.06 14–13 47 1-7
RSPR VI 04 00 10 32.7 19.33N 64.07W 41–19 3.5 ¶610661317
NEIC VI 04 00 10 34.3–1.1 19.1N–.10 64.31W–.03 19–7 3.5,3.0L

ISC Event type ke.
RSPR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 11 03 37 23.7–1.9 18.7N–.10 64.34W–.03 30–15 67 1-3
TRN VI 11 03 37 22.7 18.68N 64.36W 32 3.5 **¶610669644**
NEIC VI 11 03 37 23.8–1.2 18.7N–.30 64.3W–.20 35–2 3.5,2.8L
RSPR VI 11 03 37 24.7 18.76N 64.31W 37–9 3.5,2.8L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=44.2km s-min=24.7km az=159.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
ISC VI 16 07 47 49.6–1.9 18.94N–.09 64.45W–.03 25–14 117 1-9
TRN VI 16 07 47 48.1 19.02N 64.43W 46 3.5 **¶610675505**
NEIC VI 16 07 47 50.3–1.2 18.9N–.10 64.46W–.04 23–16 3.9L,3.5
RSPR VI 16 07 47 50.9 18.90N 64.47W 5–1 3.5,3.5
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=16.4km s-min=4.8km az=188.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
ISC VI 17 04 53 28.7–1.3 18.60N–.10 64.57W–.03 50–10 111 0-10
TRN VI 17 04 53 26.4 18.66N 64.58W 42 3.5 **¶610678741**
NEIC VI 17 04 53 28.8–1.4 18.6N–.10 64.57W–.05 44–21 3.7L,3.5
RSPR VI 17 04 53 28.8 18.73N 64.59W 42–3 3.5,3.5
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=19.0km s-min=5.9km az=188.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
ISC VI 18 01 16 53.9–2.4 19.8N–.20 64.31W–.07 97–36 78 2-7
NEIC VI 18 01 16 55.8–.73 19.8N–.10 64.4W–.10 45–56 3.7,3.2L **¶610681492**
RSPR VI 18 01 16 56.4 19.87N 64.42W 48–19 3.7,3.2L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=17.1km s-min=15.4km az=72.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.

(92) Leeward Islands.

ISC I 01 07 22 21.1–.74 15.23N–.03 61.13W–.07 140–5 3.3b 68 0-69
TRN I 01 07 22 19.8 15.25N 61.07W 138 3.6 **¶610236363**
IDC I 01 07 22 21.4–1.1 15.24N 61.33W 136–10 3.5,3.0b
ISC Event type ke.
IDC Error ellipse: s-maj=29.3km s-min=24.1km az=50.0.
ISC I 07 12 14 24.6–1.5 18.04N–.10 63.68W–.04 101–10 42 1-4
TRN I 07 12 14 23.2 17.93N 63.73W 107 3.1 **¶610049662**
NEIC I 07 12 14 24.6–.96 18.5N–.20 63.61W–.05 65–22 3.1,3.0L
RSPR I 07 12 14 25.6 18.25N 63.61W 68–4 3.1,3.0L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=24.5km s-min=6.1km az=184.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
ISC I 16 03 01 46.8–3.2 19.4N–.20 63.49W–.09 31 33 1-4
NEIC I 16 03 01 49.6–.98 19.2N–.10 63.54W–.08 47–55 3.6,3.0L **¶610095180**
RSPR I 16 03 01 51.6 19.45N 63.74W 63–13 3.6,3.0L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=20.0km s-min=3.4km az=209.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
ISC I 16 05 39 36.4–3.0 19.6N–.20 63.48W–.09 31 60 2-7
NEIC I 16 05 39 38.5–.99 19.5N–.10 63.51W–.09 47–57 3.7,3.4L **¶610095181**
RSPR I 16 05 39 39.8 19.64N 63.64W 53–17 3.7,3.4L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=20.1km s-min=10.5km az=198.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
ISC I 18 22 31 22.3–3.0 19.36N–.04 61.73W–.04 5–19 4.3b,3.3s 148 2-132
IDC I 18 22 31 21.9–.61 19.38N 61.65W 0 4.1,4.0b **¶610101662**
TRN I 18 22 31 24.2 19.47N 61.67W 56 4.9,4.0b
NEIC I 18 22 31 25.7–1.5 19.38N–.07 61.74W–.06 27–7 4.3b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 20 09 56 15.6–3.1 19.76N–.05 63.88W–.04 14–22 3.6b 109 2-69
IDC I 20 09 56 15.3–1.4 19.72N 63.82W 0 3.6,3.5b **¶610102500**
NEIC I 20 09 56 18.7–1.2 19.78N–.06 63.94W–.07 56–20 4.0b,3.6
RSPR I 20 09 56 20.6 19.72N 64.07W 80–19 3.6,3.6
OSPL I 20 09 56 22.0–1.6 19.60N 63.98W 65–56 3.4L,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=35.1km s-min=21.7km az=68.0.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=5.0km az=47.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
OSPL Error ellipse: s-maj=48.6km s-min=21.5km az=-1.0.
ISC I 22 06 57 00.6–3.2 19.7N–.20 63.88W–.06 34 27 2-6
NEIC I 22 06 57 01.7–.86 19.73N–.07 63.93W–.07 51–54 3.4,2.5L **¶610105069**
RSPR I 22 06 57 03.4 19.64N 63.98W 71–25 3.4,2.5L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=4.2km az=139.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
ISC II 03 12 08 37.0–.95 17.51N–.06 62.54W–.06 103–7 3.2b 41 0-54
IDC II 03 12 08 28.5–1.6 17.63N 63.00W 0 3.2,3.2b **¶610414737**
TRN II 03 12 08 36.4 17.50N 62.52W 96 3.9,3.2b
ISC Event type ke.
IDC Error ellipse: s-maj=126.7km s-min=21.8km az=40.0.
TRN II 03 17 28 51.0 17.32N 61.32W 25 3.9
¶614641530
ISC II 03 19 54 23.0–.24 15.04N–.02 60.55W–.03 56–1 5.7b,5.2s 2117 0-165
BJI II 03 19 54 21.8–.00 15.08N 60.43W 40 5.7s,5.5 **¶610195868**
MOS II 03 19 54 21.1–.88 15.09N 60.58W 48 5.7b,5.2s
TRN II 03 19 54 21.7 15.06N 60.52W 40 6.0,5.2s
IDC II 03 19 54 22.5–2.0 15.06N 60.52W 47–18 5.5,5.3L
NEIC II 03 19 54 22.6–1.7 15.07N–.03 60.53W–.05 44–1 5.8,5.7b
GCMT II 03 19 54 24.5–.10 15.16N–.01 60.35W–.01 50–0 5.8W,5.7b
NEIC II 03 19 54 25 15.09N 60.40W 46 5.8W,5.7b
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s150.85417°,δ32.97763°,λ72.88911°. NP2: ϕ_s351.00598°,δ58.65308°,λ100.80810°. Principal axes: T Plg73.9519°,Azm289.6687° ; N Plg9.2155°,Azm165.3344°; P Plg13.0223°,Azm73.1839° Moment Tensor Solution. NP1: ϕ_s175.60242°,δ45.17540°,λ128.84786°. NP2:ϕ_s306.79706°,δ56.46899°,λ57.74370°. Principal axes: T Plg62.7559°,Azm161.2710°; N Plg26.4164°,Azm326.0164°; P Plg6.1925° ,Azm59.1062°
MOS Error ellipse: s-maj=5.6km s-min=3.3km az=52.8.
TRN Event type fe. Felt in Martinique MMI V; Dominica V;Guadeloup e IV; Saint Lucia V, III; St. Vincent V; Barbados III;Montserrat III.
IDC Error ellipse: s-maj=10.9km s-min=10.1km az=95.0.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=5.0km az=273.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}2.57 $M_{\theta\theta}$-0.22 $M_{\phi\phi}$-2.35 $M_{r\theta}$-0.43 $M_{\theta\phi}$1.74 $M_{\phi r}$1.45 NP1:ϕ_s140.99000°,δ32.41000°,λ75.06000°. NP2:ϕ_s338.53000°,δ58.81000° ,λ99.30000°. Principal axes: T 2.9674,Plg74.0000°,Azm274.0000°; N 0.7095,Plg8.0000° ,Azm154.0000°; P -3.6769,Plg13.0000°,Azm62.0000° $M_0$3.38000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s147,c277; s143,c351; Duration: 1^{s}8 Moment tensor: Scale 10^{17}Nm; M_{rr}4.54±.06 $M_{\theta\theta}$-0.42±.04; $M_{\phi\phi}$-4.12±.05; $M_{r\theta}$-1.29±.04; $M_{\theta\phi}$1.73±.04; $M_{\phi r}$2.24±.04; Best double couple: NP1:ϕ_s334.00000°,δ59.00000° ,λ86.00000°. NP2:ϕ_s163.00000°,δ31.00000°,λ98.00000°. Principal axes: T 5.2210,Plg75.0000°,Azm232.0000°; N 0.2390,Plg4.0000°,Azm337.0000° ; P -5.4580,Plg14.0000°,Azm67.0000° $M_0$5.34000×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 8^{s}0 Moment tensor: Scale 10^{17}Nm; M_{rr}4.06 $M_{\theta\theta}$-0.33 $M_{\phi\phi}$-3.73 $M_{r\theta}$-1.78 $M_{\theta\phi}$1.27 $M_{\phi r}$3.09 NP1:ϕ_s169.00000°,δ25.00000° ,λ104.00000°. NP2:ϕ_s334.00000°,δ66.00000°,λ84.00000°. Principal axes: T 5.4318,Plg69.0000°,Azm231.0000°; N 0.0205,Plg6.0000°,Azm337.0000° ; P -5.4523,Plg20.0000°,Azm69.0000° $M_0$5.44000×10^{17}
ISC II 05 13 28 37.1–1.3 18.32N–.08 63.12W–.04 32–10 47 0-5
NEIC II 05 13 28 38.7–.64 18.24N–.07 63.15W–.04 38–23 3.6L **¶610197713**
TRN II 05 13 28 39.3 18.00N 62.76W 3 4.1
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=2.1km az=206.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TRN Event type fe. Felt in St. Martin, MMI III.
TRN II 19 04 51 04.9 19.44N 61.71W 64 3.9
¶614641685
ISC II 26 10 10 28.3–.91 19.24N–.07 62.30W–.06 31 3.3b 54 1-70
IDC II 26 10 10 23.6–1.2 19.25N 62.09W 0 3.4,3.2b **¶610385051**
TRN II 26 10 10 25.1 19.38N 62.18W 61 4.4,3.2b
ISC Event type ke.
IDC Error ellipse: s-maj=29.6km s-min=19.0km az=64.0.
ISC II 26 16 34 06.5–1.5 18.47N–.09 63.72W–.04 72–14 108 1-7
TRN II 26 16 34 05.5 18.45N 63.73W 65 4.2 **¶610241360**
NEIC II 26 16 34 07.0–.93 18.5N–.20 63.71W–.07 61–22 3.7,3.7L
RSPR II 26 16 34 08.6 18.75N 63.83W 54–11 3.7,3.7L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=25.4km s-min=7.9km az=195.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
TRN III 07 00 06 55.4 17.44N 62.49W 116 4.1
¶615332342
ISC III 09 06 45 31.9–1.2 18.0N–.10 63.59W–.04 100 44 0-3
NEIC III 09 06 45 28.3–.59 18.8N–.20 63.45W–.03 115–21 3.9,3.0L **¶610305067**
TRN III 09 06 45 28.4 18.11N 63.52W 124 3.6,3.0L
RSPR III 09 06 45 29.6 18.74N 63.59W 126–5 3.9,3.0L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=34.2km s-min=3.8km az=181.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
ISC III 10 06 01 16.6–.43 17.49N–.04 62.83W–.04 110–4 4.4b 407 0-163
OSPL III 10 06 01 14.9–4.0 17.86N 62.43W 52–62 4.9L **¶610316869**
TRN III 10 06 01 15.5 17.54N 62.78W 105 4.6
IDC III 10 06 01 16.7–.69 17.44N 62.89W 110–6 4.3,4.0b
NEIC III 10 06 01 17.1–1.3 17.53N–.06 62.81W–.05 107–5 4.5b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 14 00 18 34.3–.55 17.53N–.04 62.82W–.04 109–5 4.2b 224 0-164
IDC III 14 00 18 32.2–2.4 17.42N 62.77W 92–21 4.2,3.8b **¶610327659**
OSPL III 14 00 18 32.6–3.3 17.72N 62.61W 5–252 4.3L,3.8b
TRN III 14 00 18 33.8 17.59N 62.74W 106 4.3,3.8b
NEIC III 14 00 18 35.1–1.5 17.52N–.06 62.80W–.05 107–4 4.3b,3.8b
ISC Event type se.
TRN Event type fe. Felt in Sint Maarten MMI III and St. BartholomewMMI III.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 15 09 04 44.4–2.1 18.51N–.06 62.24W–.06 11–12 4.0b 40 1-71
IDC III 15 09 04 42.0–.88 18.49N 62.05W 0 3.9,3.8b **¶610546243**
TRN III 15 09 04 45.6 18.30N 62.39W 8 4.1,3.8b
ISC Event type ke.
IDC Error ellipse: s-maj=28.8km s-min=18.5km az=54.0.
TRN III 26 01 25 17.6 18.36N 61.81W 46 3.6
¶615329958
TRN III 26 18 53 30.2 16.80N 61.45W 30 3.8
¶615329965
ISC III 28 00 49 54.1–2.3 19.3N–.10 63.90W–.05 34 36 1-4
TRN III 28 00 49 53.2 19.22N 63.85W 83 **¶610437105**
RSPR III 28 00 49 55.9 19.39N 64.03W 45–14 3.5
NEIC III 28 00 49 55.2–.67 19.28N–.06 63.95W–.04 48–53 3.5,2.7L
ISC Event type ke.
RSPR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TRN III 30 05 32 23.4 17.38N 60.71W 27 4.5
¶615330028
TRN IV 10 18 20 24.6 15.12N 60.43W 31 3.9
¶616051570
TRN IV 12 14 47 00.2 16.22N 61.49W 176 3.7
¶616051578
TRN IV 13 00 44 51.3 16.16N 61.14W 65 3.5
¶616051579
ISC IV 15 17 59 36.9–2.0 17.59N–.05 61.09W–.06 5–12 3.6b,3.3s 60 1-165
IDC IV 15 17 59 36.5–1.6 17.70N 61.03W 0 3.6,3.5b **¶610652811**
TRN IV 15 17 59 38.3 17.45N 61.20W 12 4.5,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=37.4km s-min=31.7km az=141.0.
TRN Event type fe. Felt Antigua, MMI III.
ISC IV 15 18 16 16.9–.60 17.52N–.04 61.15W–.04 22–5 4.5b,3.6s 279 1-165
IDC IV 15 18 16 13.9–.44 17.49N 61.12W 0 4.2,4.2b **¶610528542**
TRN IV 15 18 16 15.2 17.48N 61.17W 11 4.8,4.2b
NEIC IV 15 18 16 19.2–1.5 17.47N–.04 61.23W–.06 32–5 4.5b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 17 04 13 09.6–1.6 17.54N–.04 61.08W–.05 25–11 3.8b,3.6s 137 1-165
IDC IV 17 04 13 05.9–.76 17.54N 60.96W 0 3.8,3.7s **¶610529017**
TRN IV 17 04 13 09.1 17.42N 61.17W 14 4.2,3.7s
NEIC IV 17 04 13 10.3–2.1 17.51N–.06 61.08W–.09 27–6 4.2b,3.7s
ISC Event type se.
TRN Event type fe. Felt Antigua MMI III; St. Kitts MMI III and Nevis MMI III.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 17 05 23 14.4–.39 17.49N–.02 61.15W–.02 17–2 5.7b,5.4s 2386 1-176
IDC IV 17 05 23 11.9–.28 17.50N 61.14W 0 5.5,5.5b **¶611832597**
MOS IV 17 05 23 12.2–.86 17.51N 61.16W 13 5.9b,5.3s
TRN IV 17 05 23 13.1 17.48N 61.14W 12 5.7,5.3s
NEIC IV 17 05 23 14.8 17.68N 61.13W 26 5.7,5.3s
NEIC IV 17 05 23 14.8 17.48N 61.13W 26 5.7,5.3s
NEIC IV 17 05 23 14.8 17.46N 61.14W 14 5.7,5.3s
NEIC IV 17 05 23 15.1–1.6 17.45N–.04 61.14W–.04 16–1 5.6,5.6
BJI IV 17 05 23 16.2–.00 17.50N 61.20W 40 5.9s,5.7
GCMT IV 17 05 23 20.1–.10 17.49N–.01 61.11W–.01 12 5.7W,5.7
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s119.81444°,δ70.54598°,λ-90.24694°. NP2: ϕ_s300.55585°,δ19.45553°,λ-89.30092°. Principal axes: T Plg25.5456°,Azm210.0080° ; N Plg0.2328°,Azm119.8967°; P Plg64.4532°,Azm29.4095°
TRN Event type fe. Felt Antigua MMI IV; Barbuda MMI III; MontserratM MI III; St. Kitts MMI IV; NEVIS MMI III; Guadeloupe MMI IV.
NEIC Event type se. Moment Tensor Solution.Duration: 3^{s}5 Moment tensor: Scale 10^{17}Nm; M_{rr}1.04 $M_{\theta\theta}$0.68 $M_{\phi\phi}$-1.72 $M_{r\theta}$-2.13 $M_{\theta\phi}$1.18 $M_{\phi r}$2.16 NP1:ϕ_s313.34000°,δ78.64000° ,λ69.78000°. NP2:ϕ_s195.20000°,δ23.08000°,λ149.83000°. Principal axes: T 3.1723,Plg20.0000°,Azm200.0000°; N 0.7181,Plg20.0000°,Azm317.0000° ; P -3.8905,Plg31.0000°,Azm60.0000° $M_0$3.53000×10^{17}
NEIC Event type se.

NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; Mrr1.07 Mθθ-0.43 Mφφ-0.64 Mrθ-1.99 Mθφ0.57 Mφr1.61 NP1:φs150.87000°,δ12.14000°,λ110.66000°. NP2:φs309.78000°,δ78.65000°,λ85.66000°. Principal axes: T 2.7762,Plg56.0000°,Azm214.0000°; N 0.0083,Plg4.0000°,Azm311.0000°; P -2.7845,Plg34.0000°,Azm43.0000° M0 2.78000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s119,c210; s142,c300;Duration: 1s7 Moment tensor: Scale 10^{17}Nm; Mrr1.17±.02 Mθθ0.24±.02; Mφφ-1.41±.02; Mrθ-2.51±.06; Mθφ0.75±.02; Mφr3.31±.06; Best double couple: NP1:φs323.00000°,δ81.00000°,λ82.00000°. NP2:φs184.00000°,δ12.00000°,λ130.00000°. Principal axes: T 4.2210,Plg53.0000°,Azm224.0000°; N 0.3760,Plg7.0000°,Azm324.0000°; P -4.5930,Plg36.0000°,Azm60.0000° M0 4.40700×10^{17}
ISC IV 17 06 25 09.5–.52 17.50N–.02 61.15W–.03 17–3 5.0b,4.4s 1079 1-174
IDC IV 17 06 25 07.3–.37 17.48N 61.13W 0 4.7,4.7b **¶610529045**
MOS IV 17 06 25 07.6–.81 17.51N 61.15W 13 5.2b,4.4s
TRN IV 17 06 25 09.8 17.46N 61.20W 17 5.0,4.4s
NEIC IV 17 06 25 10.5–1.6 17.48N–.05 61.11W–.05 19–3 5.0b,4.8
NEIC IV 17 06 25 10.1 17.46N 61.09W 18 5.0b,4.8
GCMT IV 17 06 25 16.5–.30 17.55N–.02 60.81W–.03 27–1 5.0W,4.8
ISC Event type se. Moment Tensor Solution. NP1:φs136.51181°,δ31.45615°,λ-104.29403°. NP2: φs333.14163°,δ59.62282°,λ-81.41100°. Principal axes: T Plg14.2181°,Azm56.8874°; N Plg7.4027°,Azm148.7739°; P Plg73.8975°,Azm265.5218°
TRN Event type fe. Felt in Antigua MMI IV,V; St. Kitts MMI III, IV Montserratt MMI III,IV;.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; Mrr-1.96 Mθθ1.08 Mφφ0.88 Mrθ0.42 Mθφ-0.86 Mφr-0.29 NP1:φs133.46000°,δ37.65000°,λ-87.27000°. NP2:φs310.02000°,δ52.40000°,λ-92.10000°. Principal axes: T 1.9126,Plg7.0000°,Azm42.0000°; N 0.1160,Plg2.0000°,Azm311.0000°; P -2.0286,Plg82.0000°,Azm209.0000° M0 1.97000×10^{16}
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s40,c49; s71,c93;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr-2.95±.23 Mθθ2.06±.14; Mφφ0.89±.17; Mrθ0.23±.23; Mθφ-2.29±.10; Mφr-1.62±.33; Best double couple: NP1:φs328.00000°,δ58.00000°,λ-64.00000°. NP2:φs106.00000°,δ40.00000°,λ-125.00000°. Principal axes: T 4.0450,Plg10.0000°,Azm40.0000°; N -0.4340,Plg22.0000°,Azm134.0000°; P -3.6100,Plg66.0000°,Azm287.0000° M0 3.82800×10^{16}
TRN IV 17 07 52 02.1 17.45N 61.22W 10 2.4
¶616051769
ISC IV 17 07 58 49.5–1.7 17.55N–.04 61.00W–.05 4–10 3.7b 67 1-165
IDC IV 17 07 58 48.7–.89 17.57N 60.86W 0 3.7,3.6b **¶610652918**
TRN IV 17 07 58 52.6 17.44N 61.20W 13 4.2,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=24.6km s-min=20.9km az=58.0.
TRN IV 17 08 28 48.8 17.43N 61.24W 13 3.8
¶616051798
ISC IV 17 08 31 07.7–1.4 17.47N–.04 61.17W–.05 29–10 4.2b,3.5s 165 1-165
IDC IV 17 08 31 02.9–.58 17.36N 61.08W 0 4.0,4.0b **¶610529480**
NEIC IV 17 08 31 05.8–1.7 17.50N–.04 61.12W–.05 10–1 4.3b,4.0b
TRN IV 17 08 31 06.3 17.43N 61.20W 15 4.3,4.0b
ISC Event type se.
IDC Error ellipse: s-maj=15.6km s-min=15.1km az=15.0.
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=6.2km az=133.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TRN IV 17 14 15 02.3 17.02N 61.83W 25 3.6
¶616051919
ISC IV 17 15 11 56.1–1.9 17.53N–.05 60.97W–.06 6–11 3.4b 73 1-165
IDC IV 17 15 11 55.5–1.7 17.65N 60.93W 0 3.9L,3.5 **¶610652930**
TRN IV 17 15 12 00.6 17.31N 61.26W 14 3.8,3.5
NEIC IV 17 15 12 00–1.7 17.51N–.06 61.03W–.07 29–8 4.1b,3.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TRN IV 17 16 07 59.1 17.45N 61.19W 11 4.0
¶616051933
TRN IV 17 20 31 14.2 17.44N 61.21W 11 3.4
¶616051949
TRN IV 20 10 35 29.7 17.46N 61.27W 19 3.7
¶616052055
ISC IV 21 10 16 01.3–.90 15.04N–.03 60.56W–.07 56–7 4.3b,3.2s 152 0-75
IDC IV 21 10 15 53.7–.92 15.13N 60.46W 0 3.9,3.8b **¶610546879**
TRN IV 21 10 16 00.2 15.04N 60.54W 42 4.2,3.8b
NEIC IV 21 10 16 01.3–1.3 15.06N–.03 60.51W–.05 51–3 4.4b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TRN IV 22 03 48 16.3 17.42N 61.18W 15 4.2
¶616052107
TRN IV 24 09 24 34.9 15.01N 60.57W 53 3.6
¶616052153
ISC IV 25 09 53 32.3–.61 16.83N–.03 60.96W–.04 42–5 4.6b,3.5s 451 1-165
TRN IV 25 09 53 30.5 16.83N 61.02W 27 4.6,3.5s **¶610549167**
IDC IV 25 09 53 31.7–2.7 16.84N 60.92W 35–22 4.3,4.1b
NEIC IV 25 09 53 32.5–1.3 16.77N–.05 60.94W–.06 38–7 4.6b,4.4
NEIC IV 25 09 53 33.1 16.76N 60.98W 45 4.6b,4.4
ISC Event type se. Moment Tensor Solution. NP1:φs1.26531°,δ74.32009°,λ86.00198°. NP2: φs195.76479°,δ16.16919°,λ103.94875°. Principal axes: T Plg60.4866°,Azm265.5217°; N Plg3.8490°,Azm2.3475°; P Plg29.2113°,Azm94.5033°
IDC Error ellipse: s-maj=17.1km s-min=11.6km az=67.0.
NEIC Event type se. Error ellipse: s-maj=8.8km s-min=6.9km az=85.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; Mrr1.91 Mθθ0.53 Mφφ-2.44 Mrθ-2.16 Mθφ0.43 Mφr4.80 NP1:φs336.56000°,δ79.18000°,λ82.02000°. NP2:φs193.28000°,δ13.42000°,λ125.97000°. Principal axes: T 5.5264,Plg55.0000°,Azm237.0000°; N 0.3840,Plg8.0000°,Azm338.0000°; P -5.9104,Plg34.0000°,Azm73.0000° M0 5.73000×10^{15}
NEIC Event type se.
TRN IV 25 22 36 07.5 17.50N 61.13W 29 2.5
¶616052168
ISC IV 29 23 36 27.6–1.1 15.5N–.10 60.3W–.20 10 3.6b 8 1-75
IDC IV 29 23 36 26.8–6.3 15.65N 60.40W 0 3.6,3.6b **¶610650365**
ISC Event type ke.
IDC Error ellipse: s-maj=244.7km s-min=33.5km az=24.0.
TRN V 16 05 44 07.4 15.82N 60.95W 73 3.7
¶616504891
TRN V 16 09 56 25.4 15.04N 60.40W 42 4.1
¶616504892
TRN V 20 07 42 11.2 17.50N 61.15W 36 3.6
¶616542164
TRN V 25 07 13 16.9 16.87N 61.60W 30 3.0
¶616542303
ISC V 27 08 46 38.2–1.5 17.03N–.03 61.16W–.06 7–10 69 1-21
NEIC V 27 08 46 38.7–1.1 17.03N–.02 61.19W–.03 7–9 4.0b **¶610654897**
TRN V 27 08 46 39.5 16.96N 61.28W 25 4.1
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=4.8km s-min=3.4km az=82.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 30 09 35 36.0–.52 16.21N–.03 62.06W–.05 171–5 4.2b 483 0-164
TRN V 30 09 35 34.9 16.34N 61.89W 178 4.3 **¶610655791**
NEIC V 30 09 35 36.6–1.5 16.23N–.06 62.03W–.08 172–5 4.3b
IDC V 30 09 35 40.8–1.9 16.47N 62.27W 196–15 4.3,3.7b
ISC Event type se.
TRN Event type fe. Felt in Guadeloupe MMI III.
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=7.9km az=62.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=17.7km s-min=16.5km az=90.0.

TRN VI 04 10 33 30.6 15.87N 60.44W 28 3.6
¶616620359
TRN VI 05 16 55 42.6 18.13N 62.00W 28 4.2
¶616620369
TRN VI 06 09 30 27.2 17.60N 62.01W 23 3.8
¶616620375
TRN VI 07 02 48 08.9 15.72N 60.73W 30 3.6
¶616620378
TRN VI 09 00 12 30.6 15.31N 61.48W 169 3.8
¶616620395
TRN VI 10 07 33 55.5 15.07N 61.19W 174 3.9
¶616620401
TRN VI 12 04 16 14.7 16.86N 60.49W 38 3.7
¶616620419
TRN VI 23 10 17 19.7 15.61N 59.29W 42 3.8
¶616620486
TRN VI 26 21 16 48.7 19.01N 62.50W 101 4.4
¶616620505
TRN Event type fe. Felt in Sint Maartin MMI IV.

(94) Caribbean Sea.

ISC II 12 08 00 09.1–.96 12.40N–.05 73.17W–.05 35 50 1-10
RSNC II 12 08 00 06.8–.81 12.24N 73.21W 4–7 3.6W,3.2L **¶612509925**
ISC Event type ke.
RSNC Error ellipse: s-maj=4.7km s-min=4.1km az=-1.0.
ISC II 12 09 32 26.5–.59 12.24N–.03 73.02W–.03 16–3 5.3b,4.7s 1357 1-153
IDC II 12 09 32 24.0–.42 12.11N 73.15W 0 4.8,4.8b **¶610208510**
MOS II 12 09 32 24.6–1.2 12.10N 73.20W 13 5.4b,4.7s
BGR II 12 09 32 26.9 12.22N 72.90W 10 4.4b,4.7s
NEIC II 12 09 32 26.5–2.3 12.29N–.05 72.99W–.06 7–3 5.3b,5.2
RSNC II 12 09 32 28.1–.47 12.28N 73.18W 30–14 5.1W,5.0L
GCMT II 12 09 32 29.5–.10 12.32N–.01 73.13W–.01 27–0 5.3W,5.0L
VAO II 12 09 32 30.9–3.5 11.78N 73.02W 40–17 5.5b,5.0L
NEIC II 12 09 32 30.6 12.27N 72.81W 30 5.5b,5.0L
ISC Event type se. Moment Tensor Solution. NP1:φs99.02665°,δ76.18023°,λ-139.34047°. NP2: φs357.43240°,δ50.75030°,λ-17.96632°. Principal axes: T Plg16.1696°,Azm222.9788°; N Plg47.4455°,Azm114.5683°; P Plg38.0459°,Azm326.0941°
IDC Error ellipse: s-maj=14.8km s-min=11.6km az=62.0.
MOS Error ellipse: s-maj=8.7km s-min=5.4km az=110.7.
ISC Event type ke. Hypocentre not reviewed by the ISC.
NEIC Event type se. Error ellipse: s-maj=8.5km s-min=7.8km az=64.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSNC Error ellipse: s-maj=3.2km s-min=1.8km az=-1.0. Moment Tensor Solution. NP1:φs0.00000°,δ18.00000°,λ-22.00000°.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s86,c127; s126,c207;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; Mrr0.39±.01 Mθθ-0.31±.01; Mφφ-0.07±.01; Mrθ-0.86±.04; Mθφ-0.28±.01; Mφr-0.14±.02; Best double couple: NP1:φs259.00000°,δ78.00000°,λ103.00000°. NP2:φs32.00000°,δ17.00000°,λ45.00000°. Principal axes: T 0.9660,Plg56.0000°,Azm184.0000°; N 0.0220,Plg12.0000°,Azm76.0000°; P -0.9880,Plg32.0000°,Azm338.0000° M0 0.97700×10^{17}
VAO Error ellipse: s-maj=19.6km s-min=15.4km az=-1.0.
NEIC Event type se. Moment Tensor Solution.Duration: 2s3 Moment tensor: Scale 10^{16}Nm; Mrr4.86 Mθθ-2.89 Mφφ-1.97 Mrθ-5.92 Mθφ-3.43 Mφr-0.83 NP1:φs252.62000°,δ70.35000°,λ109.76000°. NP2:φs25.73000°,δ27.58000°,λ46.56000°. Principal axes: T 8.1468,Plg60.0000°,Azm191.0000°; N -0.1164,Plg19.0000°,Azm66.0000°; P -8.0304,Plg23.0000°,Azm328.0000° M0 8.09000×10^{16}
ISC II 19 09 53 01.0–.63 12.99N–.05 81.50W–.05 10 3.4b 39 0-145
IDC II 19 09 53 00.0–1.6 13.07N 81.64W 0 3.5,3.4b **¶610415808**
RSNC II 19 09 53 02.1–.27 12.99N 81.46W 18–8 3.8W,3.4L
ISC Event type ke.
IDC Error ellipse: s-maj=33.3km s-min=27.3km az=132.0.
RSNC Error ellipse: s-maj=4.7km s-min=3.2km az=-1.0.
ISC IV 16 13 24 18.5–.35 11.70N–.03 66.83W–.03 35 4.4b,3.3s 267 1-158
IDC IV 16 13 24 13.8–.52 11.60N 66.90W 0 4.0,3.9b **¶610528753**
NEIC IV 16 13 24 15.9–1.6 11.65N–.05 66.82W–.06 13–4 4.5b,3.9b
FUNV IV 16 13 24 19.9 11.66N 66.85W 35 4.5W,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=18.5km s-min=13.3km az=83.0.
NEIC Event type se. Error ellipse: s-maj=8.6km s-min=7.7km az=85.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
FUNV IV 16 16 16 36.5 11.47N 66.92W 36 3.6W
¶613522753
ISC V 31 21 14 43.9–.59 12.08N–.04 73.98W–.05 18–6 4.3b,4.0s 136 1-152
IDC V 31 21 14 41.5–.60 11.95N 73.83W 0 4.4L,4.0s **¶610657027**
NEIC V 31 21 14 42.7–2.7 12.07N–.06 73.89W–.07 10–1 4.4b,4.0s
OSPL V 31 21 14 45.9 11.69N 73.90W 80 4.6L,4.0s
RSNC V 31 21 14 46.0–.60 12.05N 74.30W 7–5 4.3W,4.0L
ISC Event type se.
IDC Error ellipse: s-maj=26.8km s-min=13.2km az=65.0.
NEIC Event type se. Error ellipse: s-maj=11.0km s-min=10.3km az=243.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSNC Error ellipse: s-maj=4.4km s-min=8.3km az=-1.0.
ISC V 31 21 18 32.4–1.3 12.01N–.07 74.32W–.08 10 29 1-151
IDC V 31 21 18 28.1–1.4 11.96N 74.21W 0 3.7,3.3L **¶610685821**
RSNC V 31 21 18 31.3–.38 12.07N 74.21W 6–4 3.2L,3.3L
ISC Event type ke.
IDC Error ellipse: s-maj=85.8km s-min=37.1km az=52.0.
RSNC Error ellipse: s-maj=3.3km s-min=7.6km az=-1.0.

(95) Windward Islands.

ISC I 08 04 43 18.8–1.6 13.87N–.02 60.40W–.04 5–10 4.2b 119 1-163
IDC I 08 04 43 18.2–.74 13.87N 60.37W 0 4.2L,3.9 **¶610236942**
TRN I 08 04 43 20.9 13.88N 60.42W 31 4.2,3.9
NEIC I 08 04 43 22.3–1.5 13.93N–.04 60.39W–.05 28–6 4.4b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 17 01 33 10.6–1.4 14.25N–.04 59.99W–.05 17–8 3.5b 50 1-76
IDC I 17 01 33 07.4–3.9 14.18N 59.92W 0 3.5,3.5b **¶610237557**
TRN I 17 01 33 11.3 14.24N 60.05W 27 3.8,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=75.8km s-min=38.7km az=165.0.
TRN I 22 02 22 44.8 14.42N 59.10W 62 3.8
¶614641399
TRN II 03 05 00 24.0 11.19N 60.83W 46 3.7
¶614641527
TRN II 12 05 28 55.8 11.03N 61.20W 4 3.5
¶614641619
TRN II 25 03 05 20.9 11.18N 60.85W 37 3.6
¶614641746
ISC III 10 20 19 31.4–.50 11.20N–.03 60.89W–.04 48–4 4.3b,3.3s 191 0-163
FUNV III 10 20 19 30.0 11.09N 60.86W 5 4.1W,3.3s **¶610323122**
IDC III 10 20 19 31.4–.65 11.26N 61.01W 48–5 4.0,3.8b
NEIC III 10 20 19 31.1–2.0 11.16N–.06 60.74W–.03 39–8 4.4b,3.8b
TRN III 10 20 19 31.7 11.26N 60.82W 41 4.0,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=14.7km s-min=13.1km az=102.0.
NEIC Event type se. Error ellipse: s-maj=8.9km s-min=4.3km az=189.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TRN Event type fe. Felt MMI IV, Tobago.
ISC III 20 19 01 47.4–.30 11.23N–.03 60.89W–.03 35–1 4.7b,3.6s 466 0-163
IDC III 20 19 01 47.9–.57 11.23N 60.98W 43–5 4.4,4.2b **¶610394171**
NEIC III 20 19 01 48.0–2.4 11.16N–.06 60.80W–.06 39–5 4.8b,4.2b
TRN III 20 19 01 48.1 11.25N 60.83W 36 4.9,4.2b
BGR III 20 19 01 55.0 12.90N 60.85W 33 4.9b,4.2b
ISC Event type ke.

IDC Error ellipse: s-maj=11.4km s-min=9.8km az=106.0.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=7.5km az=128.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BGR Event type ke.
TRN III 21 02 04 36.1 11.24N 60.80W 44 3.6 ¶615329880
ISC III 21 21 57 05.1–1.7 11.22N–.04 61.86W–.05 48–45 15 1-3
FUNV III 21 21 57 04.9 11.21N 61.84W 23 2.9W **¶613522639**
TRN III 21 21 57 05.1 11.19N 61.82W 56 2.6
ISC Event type ke.
ISC III 21 21 58 36.1–1.8 11.21N–.04 61.82W–.05 58–32 15 1-3
TRN III 21 21 58 36.3 11.22N 61.83W 49 2.7 **¶613522640**
FUNV III 21 21 58 36.4 11.22N 61.82W 23 2.9W
ISC Event type ke.
ISC III 22 05 33 17.3–1.3 11.01N–.04 61.95W–.04 74–16 50 1-7
TRN III 22 05 33 17.8 11.01N 61.96W 60 3.7 **¶613522648**
FUNV III 22 05 33 19.4 11.02N 61.88W 35 3.5W
ISC Event type ke.
ISC III 25 14 46 31.1–.57 11.19N–.03 60.94W–.04 46–5 4.2b,3.2s 171 0-86
NEIC III 25 14 46 30.6–2.2 11.10N–.06 60.80W–.09 53–9 4.4b,3.2s **¶610435131**
IDC III 25 14 46 31.1–.84 11.22N 61.09W 42–7 4.0,3.8b
TRN III 25 14 46 31.2 11.22N 60.83W 38 4.4,3.8b
FUNV III 25 14 46 32.8 11.26N 60.97W 19 4.3W,3.8b
VAO III 25 14 46 36.7–.36 10.39N 60.36W 10 4.5b,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.5km s-min=8.6km az=82.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=16.8km s-min=10.3km az=87.0.
TRN Event type fe. Felt int Tobago, MMI II.
VAO Error ellipse: s-maj=4.3km s-min=4.5km az=-1.0.
TRN IV 07 00 39 18.2 14.90N 61.29W 168 3.8 ¶616051540
ISC IV 07 21 45 34.1–.89 12.40N–.03 60.39W–.04 58–8 4.1b 127 1-152
NEIC IV 07 21 45 33.9–1.4 12.31N–.06 60.32W–.06 48–11 4.3b **¶610521457**
IDC IV 07 21 45 33.9–3.0 12.40N 60.37W 56–28 4.4L,4.0
TRN IV 07 21 45 33.4 12.41N 60.42W 30 4.4,4.0
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=5.8km az=139.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=18.2km s-min=13.9km az=88.0.
TRN Event type fe. Felt St. Vincent, MMI III.
TRN IV 08 19 19 40.5 11.26N 60.78W 41 4.0 ¶616051551
TRN Event type fe. Felt Tobago, MMI III.
TRN IV 09 11 27 21.3 12.67N 59.07W 79 3.9 ¶616051561
ISC IV 20 00 27 32.2–1.5 11.36N–.05 62.34W–.05 140–13 43 1-8
TRN IV 20 00 27 33.5 11.36N 62.33W 133 3.6 **¶613522768**
FUNV IV 20 00 27 35.1 11.20N 62.21W 126 3.8W
ISC Event type ke.
TRN Event type fe. Felt in Trinidad, MMI II, III.
TRN IV 28 21 29 41.0 11.24N 60.86W 37 3.5 ¶616052255
ISC IV 29 15 29 46.0–3.2 14.96N–.03 59.62W–.07 2–21 3.4b 46 1-61
IDC IV 29 15 29 41.9–8.0 14.79N 59.07W 0 3.4,3.3b **¶610650324**
TRN IV 29 15 29 48.1 14.88N 59.78W 9 3.7,3.3b
ISC Event type ke.
IDC Error ellipse: s-maj=168.2km s-min=35.0km az=120.0.
ISC IV 29 23 41 53.5–.78 12.37N–.06 61.6W–.10 10 4.1b 11 1-163
IDC IV 29 23 41 49.9–1.1 12.14N 62.03W 0 3.9,3.9b **¶610650366**
ISC Event type ke.
IDC Error ellipse: s-maj=37.7km s-min=28.9km az=53.0.
ISC V 01 09 16 28.3–1.5 11.4N–.10 62.6W–.10 10 18 1-6
FUNV V 01 09 16 27.5 10.33N 62.15W 11 3.5W **¶613522796**
ISC Event type ke.
ISC V 02 06 28 10.4–.74 11.67N–.03 62.04W–.06 144–6 3.7b 66 1-145
TRN V 02 06 28 10.9 11.63N 62.12W 139 4.2 **¶610689371**
IDC V 02 06 28 13.3–2.1 11.70N 62.29W 171–24 3.8,3.3b
ISC Event type ke.
IDC Error ellipse: s-maj=27.4km s-min=18.6km az=49.0.
TRN V 07 04 05 50.5 14.06N 60.58W 26 3.6 ¶616504591
TRN V 07 06 31 00.1 13.99N 60.58W 29 3.5 ¶616504596
ISC V 08 02 09 21.5–1.6 11.27N–.06 62.29W–.07 139–13 34 1-6
TRN V 08 02 09 23.4 11.27N 62.22W 130 3.3 **¶613522818**
FUNV V 08 02 09 25.3 11.23N 62.26W 113 3.6W
ISC Event type ke.
TRN V 09 06 32 39.6 14.07N 60.64W 29 3.6 ¶616504662
TRN V 11 09 53 00.6 13.70N 60.46W 29 3.6 ¶616504722
ISC V 22 00 41 42.7–2.1 11.08N–.07 62.08W–.09 112–19 15 1-6
TRN V 22 00 41 44.0 11.09N 62.14W 95 2.7 **¶613522874**
FUNV V 22 00 41 47.3 11.11N 62.13W 27 3.6W
ISC Event type ke.
TRN V 26 09 48 10.2 14.67N 60.32W 45 3.5 ¶616542323
ISC V 31 05 08 31.2–1.1 12.24N–.04 59.94W–.06 66–10 3.8b 67 1-78
IDC V 31 05 08 23.7–1.4 12.39N 59.70W 0 3.8,3.7b **¶610685766**
TRN V 31 05 08 27.7 12.20N 59.86W 89 4.3,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=40.9km s-min=21.6km az=177.0.
TRN VI 01 00 26 59.9 12.28N 59.35W 81 3.6 ¶616620325
TRN VI 02 03 29 00.2 13.14N 59.31W 58 3.9 ¶616620331
TRN Event type fe. Felt in Barbados, MMI IV.
TRN VI 03 19 22 39.1 11.18N 61.02W 66 3.7 ¶616620350
TRN VI 03 22 14 15.7 11.21N 60.96W 44 3.5 ¶616620356
ISC VI 06 13 24 33.9–1.9 11.12N–.06 61.89W–.09 66–26 18 1-6
TRN VI 06 13 24 35.2 11.18N 61.82W 30 2.9 **¶613519405**
FUNV VI 06 13 24 36.1 10.94N 61.98W 15 3.6W
ISC Event type ke.
TRN VI 11 06 27 07.3 12.31N 59.46W 135 3.6 ¶616620413
TRN VI 12 06 15 51.2 14.08N 60.01W 30 4.0 ¶616620420
TRN VI 13 06 47 39.5 11.19N 61.06W 57 3.6 ¶616620427
ISC VI 18 23 49 28.1–1.5 11.00N–.06 62.31W–.06 84–17 27 1-6
TRN VI 18 23 49 28.5 11.04N 62.19W 75 3.3 **¶613519472**
FUNV VI 18 23 49 29.4 11.02N 62.30W 22 3.5W
ISC Event type ke.

(96) Near north coast of Colombia.

ISC II 12 06 40 59.3–.69 9.09N–.04 77.89W–.03 68–7 4.1b 174 1-147
NEIC II 12 06 40 59.8–1.4 9.18N–.07 77.87W–.06 52–4 4.2b **¶610208506**
IDC II 12 06 41 00.6–1.7 9.04N 77.89W 87–18 4.0,3.6b
RSNC II 12 06 41 00.7–.77 8.99N 77.96W 72–5 3.9W,3.7L
UPA II 12 06 41 01.0–1.6 8.96N 77.97W 66–7 4.2W,3.7L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=8.2km az=206.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=21.5km s-min=12.0km az=44.0.
RSNC Error ellipse: s-maj=3.5km s-min=1.8km az=-1.0. Moment Tensor Solution. NP1:ϕ_s39.00000°,δ69.00000°,λ158.00000°.
UPA Error ellipse: s-maj=8.4km s-min=7.0km az=-1.0.
ISC V 03 01 52 40.5–1.3 9.10N–.06 77.86W–.03 84–12 44 1-6
RSNC V 03 01 52 41.9–.69 9.13N 77.83W 76–6 2.5L **¶613505825**
UPA V 03 01 52 43.9–2.1 9.26N 78.08W 83–19 4.1W
ISC Event type ke.
RSNC Error ellipse: s-maj=4.7km s-min=2.2km az=-1.0.
UPA Error ellipse: s-maj=18.5km s-min=12.7km az=-1.0.
ISC VI 09 21 17 39.6–.36 11.66N–.03 72.25W–.04 59–3 4.8b,3.9s 937 1-153
VAO VI 09 21 17 39.5–.25 11.69N 72.20W 55 4.8b,3.9s **¶610669130**
IDC VI 09 21 17 39.9–.39 11.57N 72.25W 65–3 4.4,4.1b
NEIC VI 09 21 17 40.4–1.8 11.67N–.05 72.26W–.06 55–6 4.9b,4.1b
RSNC VI 09 21 17 41.6–.53 11.57N 72.26W 77–5 4.8L,4.7W
UPA VI 09 21 17 46.7–2.8 11.81N 72.83W 50 4.7W,4.7W
ISC Event type se.
VAO Error ellipse: s-maj=3.5km s-min=4.0km az=-1.0.
IDC Error ellipse: s-maj=11.9km s-min=7.4km az=67.0.
NEIC Event type se. Error ellipse: s-maj=8.2km s-min=7.6km az=130.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSNC Error ellipse: s-maj=3.0km s-min=2.4km az=-1.0. Moment Tensor Solution. NP1:ϕ_s18.00000°,δ15.00000°,λ-160.00000°.
UPA Error ellipse: s-maj=41.7km s-min=23.9km az=-1.0.

(97) Near coast of Venezuela.

ISC I 01 01 28 29.0–1.6 10.89N–.07 62.23W–.05 121–15 25 1-6
TRN I 01 01 28 30.2 10.87N 62.22W 108 2.9 **¶613522383**
FUNV I 01 01 28 31.8 10.87N 62.17W 102 3.4W
ISC Event type ke.
ISC I 02 03 38 24.3–1.2 10.16N–.04 63.02W–.03 12–9 4.0b 85 1-78
TRN I 02 03 38 21.8 10.08N 63.54W 64 4.2 **¶610236438**
IDC I 02 03 38 23.3–.86 10.43N 63.00W 0 4.1,4.0b
FUNV I 02 03 38 26.6 10.18N 62.98W 5 4.1W,4.0b
ISC Event type ke.
IDC Error ellipse: s-maj=22.2km s-min=16.6km az=158.0.
ISC I 08 09 51 37.2–.59 10.85N–.04 62.18W–.05 83 89 1-52
VAO I 08 09 51 30.0–.68 10.85N 62.02W 10 4.1b **¶613522404**
TRN I 08 09 51 37.4 10.85N 62.25W 65 4.3
FUNV I 08 09 51 38.0 10.78N 62.12W 85 4.3W
ISC Event type ke.
VAO Error ellipse: s-maj=8.5km s-min=4.2km az=-1.0.
TRN Event type fe. Felt Trinidad MMI III.
ISC I 14 03 34 31.9–.71 10.74N–.04 62.42W–.04 81–7 4.3b 117 1-97
VAO I 14 03 34 26.3–.57 10.82N 62.28W 10 4.1b **¶610087849**
IDC I 14 03 34 30.0–3.6 10.96N 62.22W 60–35 4.0,3.7b
NEIC I 14 03 34 32.8–1.1 10.70N–.07 62.33W–.04 91–9 4.4b,3.7b
FUNV I 14 03 34 33.8 10.71N 62.32W 24 4.0W,3.7b
TRN I 14 03 34 34.9 10.81N 62.36W 30 4.2,3.7b
ISC Event type se.
VAO Error ellipse: s-maj=6.7km s-min=8.0km az=-1.0.
IDC Error ellipse: s-maj=26.8km s-min=19.0km az=56.0.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=4.9km az=171.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TRN Event type fe. Felt Trinidad, MMI III.
ISC I 17 21 42 44.9–1.5 10.94N–.05 62.15W–.05 110–14 35 1-6
TRN I 17 21 42 46.9 10.95N 62.14W 85 3.5 **¶613522429**
FUNV I 17 21 42 46.4 11.00N 62.04W 100 3.8W
ISC Event type ke.
ISC I 18 15 41 09.4–1.9 10.88N–.08 62.15W–.06 118–17 12 1-6
TRN I 18 15 41 14.0 10.97N 61.92W 99 2.9 **¶613522430**
FUNV I 18 15 41 13.1 10.93N 62.15W 91 3.4W
ISC Event type ke.
TRN I 18 21 11 12.1 10.31N 62.61W 26 3.5 ¶614641319
ISC I 26 08 46 43.4–1.3 10.56N–.07 62.52W–.04 72–16 24 1-6
TRN I 26 08 46 44.8 10.57N 62.40W 75 2.9 **¶613522452**
FUNV I 26 08 46 44.9 10.54N 62.46W 29 3.1W
ISC Event type ke.
ISC I 27 22 55 29.1–1.4 10.33N–.07 62.42W–.04 14–11 17 1-6
TRN I 27 22 55 30.6 10.14N 62.29W 67 3.1 **¶613522456**
FUNV I 27 22 55 30.7 10.36N 62.40W 10 3.1W
ISC Event type ke.
ISC I 27 23 16 18.9–.95 10.4N–.10 62.41W–.04 10 12 1-6
FUNV I 27 23 16 19.8 10.37N 62.39W 2 3.0W **¶613522458**
ISC Event type ke.
ISC I 28 07 00 50.7–1.4 10.37N–.07 62.20W–.04 10–11 18 1-6
TRN I 28 07 00 50.8 10.38N 62.16W 8 3.5 **¶613522464**
FUNV I 28 07 00 52.2 10.42N 62.15W 10 3.2W
ISC Event type ke.
FUNV I 28 13 05 59.6 10.71N 65.76W 5 3.5W ¶613522465
ISC I 30 23 09 47.0–1.4 10.5N–.10 62.48W–.07 100 6 1-5
FUNV I 30 23 09 52.0 10.68N 62.41W 35 3.0W **¶613522473**
ISC Event type ke.
ISC I 31 02 55 39.2–1.2 10.33N–.09 62.18W–.08 25 11 1-6
FUNV I 31 02 55 40.0 10.34N 62.15W 16 3.0W **¶613522474**
ISC Event type ke.
ISC II 05 09 08 38.0–1.7 10.70N–.08 62.39W–.06 94–16 16 1-6
TRN II 05 09 08 38.6 10.69N 62.49W 56 3.3 **¶613522490**
FUNV II 05 09 08 40.0 10.67N 62.32W 82 3.1W
ISC Event type ke.
ISC II 08 03 21 41.1–1.3 10.53N–.07 62.67W–.05 76–14 34 1-8
TRN II 08 03 21 41.0 10.54N 62.68W 44 3.6 **¶613522495**
FUNV II 08 03 21 42.6 10.53N 62.54W 71 3.5W
ISC Event type ke.
ISC II 11 20 42 41.2–1.4 10.41N–.06 62.36W–.03 5–12 23 1-6
TRN II 11 20 42 41.3 10.40N 62.35W 3 3.6 **¶613522504**
FUNV II 11 20 42 42.5 10.46N 62.31W 5 3.3W
ISC Event type ke.
ISC II 22 17 09 09.3–1.7 10.96N–.06 62.13W–.06 105–15 22 1-6
TRN II 22 17 09 11.1 10.98N 62.06W 94 2.9 **¶613522530**
FUNV II 22 17 09 12.1 11.01N 62.11W 80 3.2W
ISC Event type ke.
ISC II 23 13 25 20.0–2.0 10.25N–.04 63.04W–.04 13–14 4.1b,2.7s 127 0-78
TRN II 23 13 25 16.7 10.19N 63.30W 3 4.2,2.7s **¶610384880**
IDC II 23 13 25 18.6–.78 10.41N 62.93W 0 4.1,4.0b
NEIC II 23 13 25 21.9–2.4 10.20N–.06 62.98W–.05 27–6 4.3b,4.0b
FUNV II 23 13 25 21.8 10.20N 62.96W 5 3.9W,4.0b
ISC Event type se.
IDC Error ellipse: s-maj=19.8km s-min=18.2km az=31.0.
NEIC Event type se. Error ellipse: s-maj=8.6km s-min=7.5km az=186.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 24 12 12 02.7–1.7 10.84N–.08 62.41W–.06 133–14 15 1-6
FUNV II 24 12 12 07.6 10.96N 62.33W 96 3.2W **¶613522536**
TRN II 24 12 12 07.9 11.00N 62.36W 19 3.2
ISC Event type ke.
ISC II 25 01 26 58.4–1.6 12.01N–.08 70.70W–.03 74–25 39 1-6
FUNV II 25 01 26 59.0 12.04N 70.71W 23 3.3W **¶613522538**
RSNC II 25 01 27 00.5–.36 11.78N 70.80W 16–3 2.6L
ISC Event type ke.
RSNC Error ellipse: s-maj=7.5km s-min=3.2km az=-1.0.
ISC II 27 12 52 31.8–.79 10.60N–.04 62.43W–.03 79–8 3.7b 70 1-84
TRN II 27 12 52 32.8 10.60N 62.42W 56 3.9 **¶610385127**
FUNV II 27 12 52 33.9 10.54N 62.35W 34 3.9W
IDC II 27 12 52 34.0–2.8 10.74N 62.35W 99–29 3.8,3.4b
ISC Event type ke.
TRN Event type fe. Felt in Trinidad, MMI III.
IDC Error ellipse: s-maj=33.2km s-min=14.0km az=74.0.

ISC III 27 16 19 06.3–1.4 10.76N–.05 64.82W–.03 30–15 46 1-7
FUNV II 27 16 19 08.8 10.80N 64.81W 32 3.9W ¶613522546
TRN II 27 16 19 08.6 10.82N 64.76W 96 4.4
ISC Event type ke.
ISC III 03 07 06 19.6–1.3 10.90N–.07 62.30W–.05 100 18 1-6
TRN III 03 07 06 21.6 10.96N 61.28W 124 3.1 ¶613522559
FUNV III 03 07 06 21.3 10.90N 62.22W 90 3.2W
ISC Event type ke.
ISC III 04 12 43 56.9–1.2 10.31N–.08 62.33W–.04 10 16 1-6
FUNV III 04 12 43 59.2 10.38N 62.28W 14 3.4W ¶613522563
TRN III 04 12 44 05.0 10.60N 61.85W 9 3.2
ISC Event type ke.
ISC III 04 12 53 04.7–1.6 10.34N–.06 62.33W–.03 10–12 30 1-6
TRN III 04 12 53 03.6 10.35N 62.36W 3 3.7 ¶613522564
FUNV III 04 12 53 05.7 10.33N 62.26W 5 3.5W
ISC Event type ke.
ISC III 04 13 19 44.5–1.6 10.29N–.07 62.32W–.04 10–14 28 1-9
TRN III 04 13 19 43.3 10.33N 62.39W 2 3.7 ¶613522565
FUNV III 04 13 19 46.5 10.36N 62.25W 13 3.8W
ISC Event type ke.
ISC III 07 05 23 58.6–1.5 11.90N–.07 69.67W–.04 82–18 48 1-9
FUNV III 07 05 23 58.1 12.00N 69.68W 25 3.3W ¶613522573
ISC Event type ke.
ISC III 07 06 10 36.4–1.0 10.5N–.10 65.89W–.07 6 28 4-11
TRN III 07 06 10 38.8 10.92N 65.93W 3 4.5 ¶615332344
ISC Event type ke.
ISC III 07 21 59 37.7–1.4 9.68N–.06 62.87W–.04 7–11 32 1-5
TRN III 07 21 59 42.3 9.74N 62.82W 112 3.5 ¶613522574
FUNV III 07 21 59 43.1 9.91N 62.90W 15 3.5W
ISC Event type ke.
ISC III 09 07 00 24.0–1.3 10.95N–.04 62.02W–.04 69–18 45 1-6
FUNV III 09 07 00 23.6 10.89N 61.80W 33 3.4W ¶613522580
TRN III 09 07 00 24.2 10.96N 62.06W 54 3.7
ISC Event type ke.
ISC III 09 11 10 50.0–1.6 10.74N–.07 62.38W–.05 93–16 14 1-6
TRN III 09 11 10 53.4 10.83N 62.27W 73 2.8 ¶613522581
FUNV III 09 11 10 57.4 10.60N 62.53W 28 3.0W
ISC Event type ke.
ISC III 09 13 29 28.2–.26 12.04N–.03 69.64W–.03 21–2 4.8b,3.8s 721 1-156
IDC III 09 13 29 24.7–.41 11.85N 69.71W 0 4.7L,4.5 ¶610312601
MOS III 09 13 29 25.5–1.4 11.97N 69.74W 15 4.9b,4.5
NEIC III 09 13 29 27.6–2.0 12.06N–.04 69.60W–.04 19–4 4.8b,4.5
FUNV III 09 13 29 29.1 12.03N 69.68W 14 4.6W,4.5
VAO III 09 13 29 33.8–.50 11.96N 69.72W 59 4.8b,4.5
ISC Event type se.
IDC Error ellipse: s-maj=15.4km s-min=11.5km az=66.0.
MOS Error ellipse: s-maj=9.1km s-min=6.5km az=86.2.
NEIC Event type se. Error ellipse: s-maj=6.8km s-min=4.2km az=51.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Error ellipse: s-maj=5.9km s-min=5.4km az=-1.0.
ISC III 10 12 08 47.0–1.4 10.28N–.07 62.40W–.05 35 16 1-6
TRN III 10 12 08 48.5 10.70N 61.98W 1 3.5 ¶613522587
FUNV III 10 12 08 52.9 10.19N 62.73W 5 3.5W
ISC Event type ke.
ISC III 10 13 46 40.7–.24 11.98N–.02 69.71W–.03 21–2 5.5b,4.8s 1689 1-156
IDC III 10 13 46 37.5–.30 11.91N 69.68W 0 5.1,5.1b ¶610321347
MOS III 10 13 46 38.0–1.1 11.92N 69.74W 12 5.7b,5.1b
UPA III 10 13 46 38.9–3.0 11.96N 69.41W 10–311 5.3W,5.1b
NEIC III 10 13 46 39.7 12.00N 69.60W 10 5.3W,5.1b
NEIC III 10 13 46 39.8 11.99N 69.60W 18 5.3W,5.1b
NEIC III 10 13 46 39.8 11.89N 69.70W 18 5.3W,5.1b
FUNV III 10 13 46 40.8 12.10N 69.66W 14 5.1W,5.1b
VAO III 10 13 46 40.3–.23 11.85N 69.74W 10 5.3b,5.1b
NEIC III 10 13 46 40.4–2.2 11.98N–.04 69.57W–.06 15–1 5.5b,5.2
GCMT III 10 13 46 42.4–.10 12.06N–.01 69.73W–.01 20–0 5.2W,5.2
BGR III 10 13 46 47.9 12.17N 68.60W 28–0 5.5b,4.4s
ISC Event type ke. Moment Tensor Solution. NP1:ϕ_s329.54565°,δ34.25469°,λ-59.08609°. NP2: ϕ_s113.62293°,δ61.12430°,λ-109.28296°. Principal axes: T Plg14.0628°,Azm217.5523° ; N Plg16.8086°,Azm123.2126°; P Plg67.8081°,Azm345.4361°
IDC Error ellipse: s-maj=10.2km s-min=8.7km az=60.0.
MOS Error ellipse: s-maj=6.5km s-min=4.7km az=73.2.
UPA Error ellipse: s-maj=98.1km s-min=313.5km az=-1.0.
NEIC Event type se.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 1^{s}9 Moment tensor: Scale 10^{16}Nm; M_{rr}-5.91 $M_{\theta\theta}$0.68 $M_{\phi\phi}$5.23 $M_{r\theta}$-2.82 $M_{\theta\phi}$-3.56 $M_{\phi r}$1.36 NP1:ϕ_s134.85000°,δ58.01000° ,λ-109.88000°. NP2:ϕ_s349.16000°,δ37.10000°,λ-61.44000°. Principal axes: T 7.6710,Plg11.0000°,Azm239.0000°; N -0.7138,Plg17.0000°,Azm146.0000° ; P -6.9573,Plg70.0000°,Azm1.0000° $M_0$7.31000×10^{16}
VAO Error ellipse: s-maj=3.1km s-min=4.1km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=7.0km az=111.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-4.89 $M_{\theta\theta}$1.09 $M_{\phi\phi}$3.79 $M_{r\theta}$0.53 $M_{\theta\phi}$-2.07 $M_{\phi r}$0.87 NP1:ϕ_s321.85000°,δ42.85000°,λ-104.57000°. NP2:ϕ_s161.38000°,δ48.84000° ,λ-76.86000°. Principal axes: T 4.9399,Plg3.0000°,Azm242.0000°; N 0.1276,Plg10.0000° ,Azm333.0000°; P -5.0676,Plg80.0000°,Azm135.0000° $M_0$5.00000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s106,c161; s131,c206;Duration: 1^{s}0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.80±.02 $M_{\theta\theta}$0.16±.01; $M_{\phi\phi}$0.64±.01; $M_{r\theta}$-0.09±.02; $M_{\theta\phi}$-0.38±.01; $M_{\phi r}$0.10±.02; Best double couple: NP1:ϕ_s149.00000°,δ49.00000°,λ-93.00000°. NP2:ϕ_s333.00000°,δ41.00000°,λ-87.00000°. Principal axes: T 0.8610,Plg4.0000° ,Azm241.0000°; N -0.0480,Plg2.0000°,Azm151.0000°; P -0.8140,Plg85.0000°,Azm35.0000° $M_0$0.83700×10^{17}
BGR Event type ke.
ISC III 10 22 28 56.9–1.3 10.89N–.04 62.33W–.04 81–15 46 1-6
FUNV III 10 22 28 57.3 10.71N 62.22W 20 3.8W ¶613522594
TRN III 10 22 28 58.9 10.94N 62.23W 77 3.7
ISC Event type ke.
ISC III 11 07 29 08.7–1.3 12.03N–.04 69.64W–.03 15–10 50 1-9
FUNV III 11 07 29 10.4 12.03N 69.64W 15 3.4W ¶613522596
ISC Event type ke.
ISC III 12 16 00 03.4–1.5 10.42N–.06 62.38W–.04 10–11 23 1-6
FUNV III 12 16 00 03.9 10.42N 62.30W 5 3.0W ¶613522601
TRN III 12 16 00 04.3 10.55N 62.31W 1 3.3
ISC Event type ke.
FUNV III 13 11 18 17.8 12.29N 69.55W 66 3.7W
¶613522604
ISC III 13 17 17 03.9–1.6 10.71N–.06 62.25W–.05 84–18 47 1-6
FUNV III 13 17 17 02.0 10.56N 62.10W 21 3.9W ¶613522607
TRN III 13 17 17 05.2 10.78N 62.11W 74 3.9
ISC Event type ke.
TRN Event type fe. Felt in Trinidad MMI II.
ISC III 13 21 39 57.4–1.1 12.05N–.06 69.69W–.04 25 41 1-10
FUNV III 13 21 39 57.7 12.22N 69.73W 38 3.8W ¶613522608
ISC Event type ke.
ISC III 16 09 11 45.3–1.6 10.94N–.05 62.02W–.05 116–13 28 1-6
FUNV III 16 09 11 48.6 10.98N 62.09W 18 3.3W ¶613522615
TRN III 16 09 11 48.1 11.01N 61.91W 107 3.0
ISC Event type ke.
ISC III 17 18 35 09.6–.70 10.82N–.02 68.96W–.03 11–4 4.8b,3.9s 490 0-156
IDC III 17 18 35 08.2–.38 10.79N 68.92W 0 4.5,4.4b ¶610339885
FUNV III 17 18 35 11.4 10.83N 68.91W 6 4.6W,4.4b
NEIC III 17 18 35 11.5–1.9 10.88N–.03 68.92W–.05 26–5 4.8b,4.4b
VAO III 17 18 35 14.2–.66 10.47N 68.80W 10 5.0b,4.4b
ISC Event type se.
IDC Error ellipse: s-maj=14.1km s-min=10.4km az=87.0.
NEIC Event type se. Error ellipse: s-maj=8.0km s-min=1.8km az=65.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Error ellipse: s-maj=7.9km s-min=5.9km az=-1.0.
ISC III 17 18 51 02.9–1.5 10.81N–.04 68.93W–.03 18–5 3.7b 58 0-156
IDC III 17 18 51 00.0–.94 10.94N 68.90W 0 3.7,3.6b ¶610546406
FUNV III 17 18 51 03.2 10.82N 68.97W 5 3.7W,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=28.5km s-min=15.2km az=121.0.
ISC III 18 08 40 08.4–1.3 10.20N–.05 62.65W–.03 10–10 22 1-5
FUNV III 18 08 40 12.1 10.46N 62.65W 5 2.9W ¶613522624
TRN III 18 08 40 13.3 10.37N 62.36W 124 3.4
ISC Event type ke.
ISC III 19 10 00 32.8–1.4 10.91N–.06 62.53W–.05 95–14 25 1-6
TRN III 19 10 00 32.8 10.89N 62.50W 103 3.4 ¶613522627
FUNV III 19 10 00 35.0 10.90N 62.48W 30 3.5W
ISC Event type ke.
ISC III 21 23 17 13.6–1.3 10.86N–.04 62.26W–.04 77–16 45 1-6
TRN III 21 23 17 13.7 10.86N 62.27W 74 3.7 ¶613522642
FUNV III 21 23 17 14.4 10.85N 62.22W 22 3.2W
ISC Event type ke.
ISC III 23 22 11 54.7–1.8 10.44N–.05 63.34W–.03 7–14 28 0-5
FUNV III 23 22 11 57.1 10.43N 63.30W 5 3.5W ¶613522653
TRN III 23 22 11 57.5 10.41N 63.35W 22 3.8
ISC Event type ke.
ISC III 25 10 31 17.2–1.5 10.49N–.09 62.48W–.07 75 17 1-6
FUNV III 25 10 31 13.8 10.44N 62.30W 4 2.9W ¶613522660
TRN III 25 10 31 14.0 10.44N 62.27W 3 3.4
ISC Event type ke.
ISC III 28 13 28 12.7–1.6 10.2N–.20 62.36W–.06 10 7 1-6
FUNV III 28 13 28 13.9 10.34N 62.34W 1 2.8W ¶613522673
ISC Event type ke.
ISC III 28 19 40 38.8–1.5 10.81N–.06 62.19W–.05 113–14 31 1-6
TRN III 28 19 40 41.9 10.86N 62.07W 95 3.1 ¶613522675
FUNV III 28 19 40 41.5 10.85N 62.15W 90 3.5W
ISC Event type ke.
ISC III 29 08 24 09.6–1.6 10.81N–.07 62.24W–.05 99–16 20 1-6
TRN III 29 08 24 12.3 10.90N 62.20W 76 2.8 ¶613522678
FUNV III 29 08 24 13.1 10.90N 62.24W 30 3.1W
ISC Event type ke.
ISC III 29 09 12 34.9–1.3 10.87N–.04 68.93W–.03 19–3 3.3b 51 0-61
IDC III 29 09 12 32.7–1.4 10.95N 68.88W 0 3.7,3.5L ¶610543915
FUNV III 29 09 12 35.4 10.87N 68.96W 13 3.8W,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=26.3km s-min=21.3km az=132.0.
ISC III 30 18 00 58.3–1.7 10.83N–.08 62.46W–.05 107–16 14 1-6
TRN III 30 18 01 00.5 10.85N 62.45W 75 3.2 ¶613522680
FUNV III 30 18 01 01.0 10.78N 62.42W 92 3.1W
ISC Event type ke.
ISC III 30 21 15 37.9–1.2 11.74N–.06 70.47W–.03 10 57 1-9
FUNV III 30 21 15 41.8 11.75N 70.45W 28 3.7W ¶613522681
ISC Event type ke.
ISC IV 01 15 48 28.1–1.5 10.84N–.06 62.31W–.05 100–14 29 1-6
TRN IV 01 15 48 29.2 10.85N 62.30W 84 3.1 ¶613522688
FUNV IV 01 15 48 30.5 10.87N 62.29W 83 3.4W
ISC Event type ke.
ISC IV 04 21 50 14.2–1.2 10.38N–.03 62.16W–.03 13–7 4.7b,3.9s 328 1-161
NEIC IV 04 21 50 14.1–1.6 10.32N–.04 62.15W–.05 10–1 4.9b,4.4 ¶610483611
CAR IV 04 21 50 14.9–2.7 10.45N–.05 62.14W–.06 4–3 4.9b,4.4
TRN IV 04 21 50 14.2 10.40N 62.12W 7 5.0,4.4
FUNV IV 04 21 50 15.3 10.43N 62.12W 6 4.8W,4.4
VAO IV 04 21 50 18.5–.63 10.14N 62.08W 10 4.5b,4.4
IDC IV 04 21 50 19.8–1.6 10.60N 62.38W 49–15 4.4,4.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=2.8km az=131.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
CAR Event type se. Error ellipse: s-maj=9.0km s-min=7.0km az=108.0. hypocenter. manual.
TRN Event type fe. Felt Trinidad, III.
VAO Error ellipse: s-maj=7.8km s-min=5.5km az=-1.0.
IDC Error ellipse: s-maj=12.0km s-min=9.0km az=85.0.
ISC IV 04 21 56 10.6–1.4 10.33N–.06 62.18W–.04 7–11 33 1-6
FUNV IV 04 21 56 13.8 10.46N 62.18W 18 4.3W ¶613522698
TRN IV 04 21 56 14.3 10.56N 62.00W 0 3.6
ISC Event type ke.
ISC IV 05 11 09 11.1–2.0 10.31N–.08 62.15W–.05 1–18 15 1-6
TRN IV 05 11 09 10.2 10.28N 62.22W 3 3.7 ¶613522699
FUNV IV 05 11 09 14.4 10.51N 62.09W 11 3.5W
ISC Event type ke.
ISC IV 06 15 32 58.8–1.1 10.84N–.04 68.92W–.03 11–8 3.9b 49 0-69
IDC IV 06 15 32 57.7–1.1 11.10N 68.87W 0 3.9,3.7b ¶610652086
FUNV IV 06 15 32 59.4 10.84N 68.93W 4 3.9W,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=30.0km s-min=22.4km az=29.0.
ISC IV 07 07 48 18.5–1.0 10.5N–.10 62.76W–.05 10 10 1-5
FUNV IV 07 07 48 19.1 10.39N 62.73W 2 3.0W ¶613522705
ISC Event type ke.
ISC IV 08 01 47 58.0–1.6 10.75N–.07 62.21W–.05 127–14 24 1-6
FUNV IV 08 01 48 01.7 10.89N 62.21W 95 3.5W ¶613522712
TRN IV 08 01 48 02.6 10.86N 62.07W 100 3.3
ISC Event type ke.
ISC IV 08 07 09 08.4–1.5 10.86N–.04 62.51W–.04 111–14 28 1-6
TRN IV 08 07 09 08.9 10.87N 62.40W 125 3.6 ¶613522714
FUNV IV 08 07 09 11.0 10.78N 62.44W 91 3.7W
ISC Event type ke.
ISC IV 08 07 36 24.8–1.4 10.93N–.05 62.21W–.04 97–15 48 1-7
TRN IV 08 07 36 27.4 10.98N 62.03W 91 3.9 ¶613522715
FUNV IV 08 07 36 27.2 10.92N 62.21W 28 3.8W
ISC Event type ke.
ISC IV 11 03 23 49.6–1.3 10.56N–.06 62.61W–.05 92–12 36 1-6
TRN IV 11 03 23 50.1 10.55N 62.65W 61 3.6 ¶613522728
FUNV IV 11 03 23 51.0 10.55N 62.52W 82 3.5W
ISC Event type ke.
ISC IV 11 15 30 47.9–1.6 10.69N–.07 62.30W–.06 88–15 31 1-6
TRN IV 11 15 30 47.9 10.65N 62.29W 81 3.3 ¶613522729
FUNV IV 11 15 30 49.9 10.70N 62.27W 27 3.7W
ISC Event type ke.
ISC IV 12 14 29 19.9–1.0 10.52N–.07 63.32W–.04 23–9 23 0-5
TRN IV 12 14 29 18.8 10.47N 63.26W 17 3.7 ¶613522735
FUNV IV 12 14 29 20.3 10.60N 63.21W 28 3.5W
ISC Event type ke.
ISC IV 13 15 05 54.4–1.3 10.63N–.06 62.60W–.05 86–14 39 1-8
TRN IV 13 15 05 55.7 10.62N 62.49W 80 3.5 ¶613522745
FUNV IV 13 15 05 56.3 10.70N 62.52W 69 3.9W
ISC Event type ke.
ISC IV 19 11 02 37.5–1.3 10.50N–.07 62.35W–.04 35 21 1-6
TRN IV 19 11 02 37.8 10.63N 62.29W 20 3.3 ¶613522766
FUNV IV 19 11 02 37.6 10.41N 62.19W 33 3.7W
ISC Event type ke.
FUNV IV 20 08 01 23.2 10.12N 62.89W 58 3.5W
¶613522772
ISC IV 22 06 19 24.1–1.6 10.88N–.07 62.27W–.06 91–16 26 1-6
TRN IV 22 06 19 24.5 10.87N 62.26W 85 3.3 ¶613522777
FUNV IV 22 06 19 26.1 10.88N 62.26W 27 3.5W
ISC Event type ke.
ISC IV 22 11 17 03.8–.93 10.63N–.06 62.74W–.05 87–8 3.6b 54 0-78
TRN IV 22 11 17 04.5 10.64N 62.69W 93 4.8 ¶610653260
FUNV IV 22 11 17 06.9 10.59N 62.66W 56 3.9W
IDC IV 22 11 17 06.2–1.5 10.87N 62.86W 101–11 3.6,3.2b
ISC Event type ke.
IDC Error ellipse: s-maj=30.5km s-min=8.9km az=140.0.
ISC IV 23 01 52 19.9–.66 10.90N–.04 62.39W–.03 94–6 4.6b 504 1-145
VAO IV 23 01 52 12.3–.49 11.02N 62.11W 10 4.6b ¶610547530
NEIC IV 23 01 52 20.0–1.7 10.88N–.08 62.38W–.07 87–7 4.6b

TRN IV 23 01 52 20.5 10.86N 62.31W 82 4.6
FUNV IV 23 01 52 21.6 10.85N 62.25W 87 4.8W
IDC IV 23 01 52 23.5–1.2 10.98N 62.58W 127–12 4.5,4.1b
ISC Event type se.
VAO Error ellipse: s-maj=5.9km s-min=4.6km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=12.2km s-min=8.9km az=140.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TRN Event type fe. Felt in Trinidad MMI III and Grenada MMI III.
IDC Error ellipse: s-maj=14.0km s-min=11.5km az=104.0.
ISC IV 29 01 42 10.7–1.5 10.78N–.05 62.31W–.05 108–14 53 1-8
TRN IV 29 01 42 12.2 10.87N 62.44W 29 3.8 **¶613522793**
FUNV IV 29 01 42 13.0 10.83N 62.25W 91 3.9W
ISC Event type ke.
ISC V 04 08 09 14.8–2.3 10.12N–.07 62.26W–.07 9–14 21 1-6
TRN V 04 08 09 18.7 10.18N 62.24W 28 3.6 **¶613522800**
FUNV V 04 08 09 18.7 10.41N 62.29W 2 3.3W
ISC Event type ke.
ISC V 07 07 46 56.0–1.6 10.93N–.06 62.26W–.06 114–14 29 1-6
TRN V 07 07 46 56.2 10.96N 62.28W 90 3.6 **¶613522810**
FUNV V 07 07 46 58.0 10.93N 62.17W 102 3.6W
ISC Event type ke.
ISC V 08 14 01 44.4–1.4 10.72N–.05 62.56W–.04 102–13 31 1-6
FUNV V 08 14 01 46.8 10.74N 62.51W 87 3.7W **¶613522819**
TRN V 08 14 01 47.3 10.89N 62.43W 16 3.4
ISC Event type ke.
ISC V 09 02 31 53.5–1.6 10.59N–.08 62.50W–.06 93–15 16 1-6
TRN V 09 02 31 54.9 10.66N 62.55W 70 3.1 **¶613522823**
FUNV V 09 02 31 56.6 10.56N 62.42W 35 3.3W
ISC Event type ke.
ISC V 11 10 28 38.9–1.4 10.91N–.05 62.31W–.05 96–15 52 1-9
FUNV V 11 10 28 39.8 10.86N 62.19W 97 3.9W **¶613522830**
TRN V 11 10 28 39.1 10.94N 62.40W 27 3.4
ISC Event type ke.
ISC V 12 05 25 37.5–1.2 10.42N–.08 62.64W–.06 10 14 1-6
FUNV V 12 05 25 38.5 10.41N 62.60W 5 3.0W **¶613522832**
ISC Event type ke.
ISC V 16 22 10 43.1–1.5 10.62N–.07 62.56W–.05 100–14 21 1-6
TRN V 16 22 10 45.0 10.63N 62.41W 102 2.9 **¶613522848**
FUNV V 16 22 10 45.7 10.70N 62.53W 81 3.5W
ISC Event type ke.
ISC V 17 10 04 23.9–.53 10.95N–.04 62.34W–.04 92–5 4.4b 208 1-162
VAO V 17 10 04 18.9–.59 10.84N 62.12W 10 4.5b **¶610641790**
NEIC V 17 10 04 23.6–1.3 10.91N–.07 62.16W–.03 87–9 4.7b
IDC V 17 10 04 24.5–.62 11.12N 62.39W 93–5 4.2,3.8b
FUNV V 17 10 04 25.4 10.91N 62.25W 27 4.7W,3.8b
TRN V 17 10 04 25.4 10.97N 62.25W 69 4.6,3.8b
ISC Event type se.
VAO Error ellipse: s-maj=6.3km s-min=5.4km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=3.8km az=174.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=11.8km s-min=8.4km az=147.0.
TRN Event type fe. Felt in Trinidad MMI III, IV; Grenada III.
FUNV V 18 04 47 42.7 9.31N 61.93W 15 3.8W
¶613522853
ISC V 20 12 00 20.0–1.3 10.40N–.05 62.74W–.03 9–10 33 1-6
TRN V 20 12 00 20.0 10.35N 62.72W 12 3.3 **¶613522865**
FUNV V 20 12 00 20.3 10.45N 62.70W 3 3.6W
ISC Event type ke.
ISC V 23 03 53 40.0–1.5 10.55N–.07 62.53W–.05 88–13 29 1-6
TRN V 23 03 53 40.6 10.57N 62.56W 30 3.2 **¶613522879**
FUNV V 23 03 53 41.9 10.56N 62.46W 71 3.8W
ISC Event type ke.
ISC V 24 16 50 59.1–2.2 10.76N–.08 62.16W–.08 118–18 16 1-6
FUNV V 24 16 51 02.6 10.88N 62.18W 94 3.7W **¶613522886**
TRN V 24 16 51 02.2 11.16N 60.66W 11 2.5
ISC Event type ke.
FUNV V 25 23 38 37.5 10.47N 62.79W 6 3.8W
¶613522895
ISC V 26 03 52 15.5–1.2 10.4N–.10 62.34W–.06 10 8 1-6
FUNV V 26 03 52 22.4 10.34N 62.52W 5 3.4W **¶613522897**
ISC Event type ke.
ISC V 26 05 59 36.3–1.4 10.47N–.09 62.30W–.06 75 10 1-6
FUNV V 26 05 59 39.1 10.73N 62.29W 20 3.5W **¶613522899**
ISC Event type ke.
ISC V 26 22 38 12.7–1.3 9.78N–.07 62.57W–.05 10 30 1-6
TRN V 26 22 38 11.5 9.57N 62.38W 120 3.6 **¶613522903**
FUNV V 26 22 38 13.5 9.75N 62.52W 11 3.7W
ISC Event type ke.
ISC V 28 03 53 10.4–1.4 10.86N–.07 62.33W–.04 31–15 21 1-6
TRN V 28 03 53 09.0 10.79N 62.39W 60 3.0 **¶613522907**
FUNV V 28 03 53 10.8 10.87N 62.29W 24 3.4W
ISC Event type ke.
ISC V 29 04 13 46.2–1.8 10.36N–.06 62.57W–.05 14–11 55 1-8
FUNV V 29 04 13 47.0 10.36N 62.54W 5 3.8W **¶613519362**
TRN V 29 04 13 48.2 10.28N 62.52W 41 4.0
ISC Event type ke.
ISC V 29 09 56 49.0–1.7 10.80N–.08 62.35W–.06 92–17 20 1-6
FUNV V 29 09 56 51.4 10.79N 62.32W 28 3.9W **¶613519366**
ISC Event type ke.
ISC V 30 03 08 58.8–3.1 10.46N–.08 62.16W–.07 13–24 19 1-6
TRN V 30 03 08 58.1 10.39N 62.16W 3 3.4 **¶613519372**
FUNV V 30 03 09 00.5 10.29N 62.10W 9 3.4W
ISC Event type ke.
FUNV V 31 09 35 09.8 10.30N 62.66W 33 3.7W
¶613519376
FUNV V 31 16 11 13.1 10.34N 62.25W 2 3.5W
¶613519378
ISC VI 02 23 31 22.4–1.3 10.81N–.07 65.70W–.03 13–10 49 1-12
FUNV VI 02 23 31 23.3 10.79N 65.67W 4 3.9W **¶613519389**
ISC Event type ke.
ISC VI 05 16 01 30.8–1.4 10.49N–.08 62.54W–.05 77–16 18 1-6
TRN VI 05 16 01 31.9 10.49N 62.51W 48 2.9 **¶613519400**
FUNV VI 05 16 01 31.7 10.57N 62.48W 75 3.2W
ISC Event type ke.
ISC VI 08 04 55 40.2–2.0 10.83N–.08 62.20W–.07 93–20 14 1-6
TRN VI 08 04 55 42.0 10.86N 62.19W 74 3.3 **¶613519413**
FUNV VI 08 04 55 43.1 10.89N 62.21W 29 3.5W
ISC Event type ke.
ISC VI 09 17 52 30.9–1.7 10.56N–.10 62.50W–.06 96–16 13 1-6
FUNV VI 09 17 52 31.7 10.13N 62.41W 12 3.5W **¶613519418**
TRN VI 09 17 52 32.0 10.57N 62.55W 65 3.3
ISC Event type ke.
ISC VI 12 01 42 44.2–1.9 10.31N–.07 62.45W–.05 9–13 24 1-6
TRN VI 12 01 42 44.5 10.25N 62.40W 16 3.6 **¶613519432**
FUNV VI 12 01 42 45.5 10.32N 62.41W 8 3.2W
ISC Event type ke.
ISC VI 12 05 46 03.4–1.5 10.3N–.20 62.41W–.05 10 8 1-6
FUNV VI 12 05 46 03.9 10.32N 62.33W 5 3.3W **¶613519433**
ISC Event type ke.
ISC VI 13 20 35 58.1–1.2 10.39N–.06 62.30W–.03 9–8 3.6b 89 1-88
TRN VI 13 20 35 57.3 10.08N 61.93W 93 4.2 **¶610791799**
FUNV VI 13 20 35 58.2 10.34N 62.19W 4 4.2W
IDC VI 13 20 35 58.7–1.1 10.88N 62.46W 0 3.7,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=33.6km s-min=13.5km az=154.0.
ISC VI 14 02 54 08.0–1.6 10.85N–.06 62.30W–.06 83–18 21 1-6
TRN VI 14 02 54 08.3 10.85N 62.24W 86 3.2 **¶613519447**
FUNV VI 14 02 54 09.7 10.86N 62.28W 27 3.1W
ISC Event type ke.
ISC VI 14 06 02 32.3–1.3 10.69N–.06 62.27W–.05 45–42 49 1-6
TRN VI 14 06 02 31.9 10.61N 62.10W 84 3.6 **¶613519449**
FUNV VI 14 06 02 31.4 10.77N 62.26W 7 3.6W
ISC Event type ke.
ISC VI 14 09 38 48.0–1.3 10.37N–.09 62.03W–.06 25 13 1-6
FUNV VI 14 09 38 48.4 10.37N 62.01W 5 3.4W **¶613519451**
ISC Event type ke.
ISC VI 15 06 37 19.9–1.2 10.82N–.06 62.32W–.04 17–10 16 1-6
TRN VI 15 06 37 20.2 10.62N 62.28W 25 3.2 **¶613519457**
FUNV VI 15 06 37 20.2 10.87N 62.27W 6 3.2W
ISC Event type ke.
ISC VI 16 02 11 30.5–1.1 10.44N–.04 63.39W–.03 12–7 3.8b,3.1s 105 0-81
IDC VI 16 02 11 29.6–.72 10.60N 63.31W 0 3.9,3.8b **¶610791977**
FUNV VI 16 02 11 31.4 10.58N 63.41W 2 4.2W,3.8b
TRN VI 16 02 11 31.4 10.27N 63.19W 167 4.2,3.8b
VAO VI 16 02 11 37.3–.79 9.94N 63.05W 10 4.2b,3.8b
ISC Event type ke.
IDC Error ellipse: s-maj=17.2km s-min=16.2km az=151.0.
VAO Error ellipse: s-maj=6.1km s-min=4.9km az=-1.0.
ISC VI 18 04 28 04.5–1.5 10.67N–.07 62.42W–.06 101–14 31 1-6
FUNV VI 18 04 28 04.3 10.72N 62.22W 82 3.5W **¶613519469**
TRN VI 18 04 28 05.4 10.65N 62.38W 91 3.3
ISC Event type ke.
FUNV VI 19 05 56 50.3 10.83N 62.31W 84 3.6W
¶613519475
ISC VI 20 01 59 15.8–1.3 10.59N–.09 62.55W–.05 75 19 1-6
TRN VI 20 01 59 16.2 10.59N 62.55W 63 3.5 **¶613519476**
FUNV VI 20 01 59 17.2 10.59N 62.46W 74 3.6W
ISC Event type ke.
ISC VI 20 23 33 37.6–1.8 10.91N–.08 62.21W–.07 122–15 16 1-6
TRN VI 20 23 33 40.1 10.95N 62.16W 106 3.1 **¶613519478**
FUNV VI 20 23 33 42.3 11.01N 62.27W 24 3.2W
ISC Event type ke.
ISC VI 21 02 27 09.9–1.5 10.94N–.06 62.30W–.06 87–18 44 1-7
TRN VI 21 02 27 10.2 10.90N 62.26W 85 3.8 **¶613519480**
FUNV VI 21 02 27 11.8 10.94N 62.27W 24 4.0W
ISC Event type ke.
ISC VI 24 11 51 43.4–1.6 10.06N–.09 62.30W–.07 35 15 1-6
FUNV VI 24 11 51 45.5 10.39N 62.33W 9 3.3W **¶613519492**
TRN VI 24 11 51 46.0 10.15N 62.12W 58 3.5
ISC Event type ke.
ISC VI 25 01 05 26.6–1.1 10.53N–.04 63.09W–.03 11–8 41 0-5
FUNV VI 25 01 05 27.8 10.53N 63.06W 4 3.8W **¶613519494**
TRN VI 25 01 05 29.9 10.52N 63.07W 127 3.7
ISC Event type ke.
ISC VI 25 17 10 35.1–2.7 9.58N–.04 62.16W–.04 11–18 29 1-6
TRN VI 25 17 10 34.7 9.31N 61.89W 58 3.7 **¶613519495**
FUNV VI 25 17 10 35.8 9.62N 62.09W 1 3.7W
ISC Event type ke.
ISC VI 28 05 25 39.0–1.6 10.91N–.07 62.31W–.06 86–18 22 1-6
TRN VI 28 05 25 39.1 10.85N 62.23W 88 3.0 **¶613519504**
FUNV VI 28 05 25 42.5 11.06N 62.40W 46 3.3W
ISC Event type ke.
ISC VI 29 22 09 37.9–1.3 10.98N–.08 62.45W–.05 100 13 1-6
FUNV VI 29 22 09 38.4 11.12N 62.33W 81 3.4W **¶613519507**
ISC Event type ke.
TRN VI 30 06 16 44.2 10.39N 62.21W 3 3.5
¶616620523
ISC VI 30 09 10 04.6–1.6 11.34N–.07 70.92W–.03 93–23 47 1-9
FUNV VI 30 09 10 05.0 11.37N 70.89W 19 3.7W **¶613519509**
ISC Event type ke.
ISC VI 30 20 32 21.7–1.4 10.57N–.05 62.54W–.04 106–13 22 1-6
TRN VI 30 20 32 24.2 10.77N 62.51W 14 3.2 **¶613519511**
FUNV VI 30 20 32 25.9 10.46N 62.52W 62 3.5W
ISC Event type ke.

(98) Trinidad.

ISC I 06 15 01 36.5–1.5 10.98N–.05 62.00W–.05 118–14 47 1-7
TRN I 06 15 01 37.8 10.97N 61.98W 107 3.7 **¶613522400**
FUNV I 06 15 01 39.6 11.02N 61.96W 90 3.8W
ISC Event type ke.
ISC I 08 18 01 40.4–.81 10.79N–.04 61.78W–.04 61–9 3.9b 95 0-145
IDC I 08 18 01 30.8–2.8 10.42N 62.12W 0 3.9,3.8L **¶610049846**
NEIC I 08 18 01 39.9–2.5 10.71N–.07 61.72W–.07 44–28 3.9b,3.8L
TRN I 08 18 01 41.2 10.81N 61.73W 46 3.8,3.8L
FUNV I 08 18 01 42.7 10.87N 61.65W 34 3.9W,3.8L
ISC Event type se.
IDC Error ellipse: s-maj=81.6km s-min=30.9km az=32.0.
NEIC Event type se. Error ellipse: s-maj=9.7km s-min=9.2km az=178.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TRN Event type fe. Felt Trinidad, MMI III.
ISC I 31 10 14 08.9–1.8 10.80N–.07 61.94W–.07 61–24 16 1-6
TRN I 31 10 14 09.0 10.85N 61.98W 29 3.4 **¶613522477**
FUNV I 31 10 14 10.2 10.81N 61.86W 57 3.2W
ISC Event type ke.
ISC II 03 00 23 13.8–1.2 10.17N–.08 61.87W–.06 10 14 0-6
TRN II 03 00 23 15.2 10.34N 61.92W 1 3.3 **¶613522484**
FUNV II 03 00 23 16.7 10.32N 61.87W 5 3.3W
ISC Event type ke.
ISC III 21 01 14 17.9–1.5 10.54N–.07 61.89W–.04 17–11 15 0-6
FUNV III 21 01 14 19.1 10.72N 61.78W 15 3.2W **¶613522635**
TRN III 21 01 14 19.1 10.56N 61.89W 4 3.2
ISC Event type ke.
TRN V 22 11 08 40.9 10.10N 61.28W 70 3.7
¶616542227
ISC V 28 23 06 12.3–1.0 10.47N–.07 61.71W–.09 33 31 0-8
TRN V 28 23 06 09.6 10.28N 61.52W 27 4.0 **¶611150908**
NEIC V 28 23 06 13.0–2.0 10.56N–.04 61.76W–.10 41–59 3.5L
ISC Event type se.
TRN Event type fe. Felt in Tinidad.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TRN VI 06 06 56 03.6 10.70N 61.95W 22 3.6
¶616620374
ISC VI 07 07 28 35.9–2.5 10.1N–.10 61.7W–.10 48 11 2-6
FUNV VI 07 07 28 42.2 10.61N 61.89W 28 3.4W **¶613519410**
ISC Event type ke.
TRN VI 25 03 48 16.9 10.23N 60.54W 85 3.6
¶616620497

(99) Northern Colombia.

ISC I 01 06 15 16.5–.85 6.83N–.03 73.12W–.04 158–6 70 0-150
IDC I 01 06 15 16.4–.75 6.69N 72.90W 159–10 3.6,2.7b **¶610236361**
RSNC I 01 06 15 18.4–1.0 6.80N 73.16W 147–4 3.7W,3.4L
ISC Event type ke.
IDC Error ellipse: s-maj=37.6km s-min=7.6km az=133.0.
RSNC Error ellipse: s-maj=2.6km s-min=2.6km az=-1.0. Moment Tensor Solution. NP1:
ϕ_s104.00000°,δ18.00000°,λ95.00000°.
ISC I 03 20 25 57.0–.71 6.86N–.03 73.08W–.04 155–5 4.0b 72 0-154
IDC I 03 20 25 56.7–.69 6.79N 72.96W 157–9 4.1,3.7s **¶610236583**
RSNC I 03 20 25 58.1–1.4 6.82N 73.13W 151–5 3.9W,3.7L
ISC Event type ke.
IDC Error ellipse: s-maj=27.8km s-min=7.4km az=132.0.
RSNC Error ellipse: s-maj=3.5km s-min=3.6km az=-1.0.
ISC I 04 22 28 01.3–.85 7.24N–.03 73.34W–.03 122–6 70 0-150
RSNC I 04 22 28 02.4–1.2 7.21N 73.37W 119–5 3.7W,3.3L **¶610236739**
IDC I 04 22 28 02.3–1.2 7.14N 73.15W 139–17 4.1,3.5b
ISC Event type ke.
RSNC Error ellipse: s-maj=3.7km s-min=3.1km az=-1.0. Moment Tensor Solution. NP1:
ϕ_s177.40000°,δ50.18000°,λ-4.18000°.

IDC Error ellipse: s-maj=46.8km s-min=8.7km az=134.0.
RSNC I 05 14 53 11.3–1.2 6.83N 73.15W 147–5 3.5W,3.1L ¶615264754
RSNC Error ellipse: s-maj=3.5km s-min=3.2km az=-1.0.
ISC I 05 22 12 20.1–.89 6.84N–.03 73.11W–.04 153–6 63 0-150
IDC I 05 22 12 19.9–1.0 7.01N 73.27W 149–15 3.9,3.2b ¶610236796
RSNC I 05 22 12 22.2–1.2 6.83N 73.17W 145–5 3.8W,3.4L
ISC Event type ke.
IDC Error ellipse: s-maj=47.8km s-min=8.3km az=131.0.
RSNC Error ellipse: s-maj=3.8km s-min=3.5km az=-1.0.
ISC I 06 06 39 24.9–.89 6.85N–.03 73.12W–.03 153–6 64 0-63
IDC I 06 06 39 23.9–3.0 6.66N 72.83W 169–46 3.6,2.9b ¶610236815
RSNC I 06 06 39 25.6–1.2 6.84N 73.14W 149–5 3.1L,2.9b
ISC Event type ke.
IDC Error ellipse: s-maj=166.5km s-min=8.0km az=133.0.
RSNC Error ellipse: s-maj=3.4km s-min=3.5km az=-1.0.
ISC I 07 21 10 07.4–.81 6.84N–.03 73.14W–.04 157–6 3.7b 62 0-150
IDC I 07 21 10 08.2–.73 6.93N 73.11W 156–14 3.8,3.3b ¶610236925
RSNC I 07 21 10 08.6–1.6 6.84N 73.19W 149–6 3.6W,3.4L
ISC Event type ke.
IDC Error ellipse: s-maj=41.0km s-min=7.6km az=131.0.
RSNC Error ellipse: s-maj=4.0km s-min=4.3km az=-1.0.
RSNC I 08 09 18 40.1–.96 6.83N 73.16W 149–4 3.5W,3.1L ¶615264900
RSNC Error ellipse: s-maj=2.9km s-min=2.7km az=-1.0.
ISC I 09 08 06 05.4–1.1 6.84N–.03 73.12W–.04 160–7 58 0-150
RSNC I 09 08 06 07.2–.97 6.82N 73.15W 151–4 3.0L ¶610237008
IDC I 09 08 06 11.9–6.1 5.92N 73.09W 200–39 3.0L
ISC Event type ke.
RSNC Error ellipse: s-maj=2.8km s-min=2.6km az=-1.0.
IDC Error ellipse: s-maj=946.0km s-min=100.3km az=140.0.
ISC I 10 10 05 42.8–.66 6.82N–.03 73.11W–.03 152–5 4.2b 92 0-150
IDC I 10 10 05 42.3–.73 6.75N 73.01W 159–11 4.0,3.8s ¶610237072
RSNC I 10 10 05 43.1–1.2 6.82N 73.13W 154–5 3.9W,3.6L
NEIC I 10 10 05 43.2–2.1 6.83N–.08 73.0W–.10 140–11 4.3b,3.6L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 10 13 32 16.2–.61 6.82N–.03 73.10W–.04 157–5 4.1b 119 0-150
IDC I 10 13 32 16.3–.71 6.75N 72.95W 165–10 4.1,3.5b ¶610237083
NEIC I 10 13 32 16.3–1.4 6.79N–.08 73.00W–.09 154–9 4.1b,3.5b
RSNC I 10 13 32 17.8–1.2 6.80N 73.13W 151–4 4.1W,3.8L
ISC Event type se.
IDC Error ellipse: s-maj=34.2km s-min=7.6km az=130.0.
NEIC Event type se. Error ellipse: s-maj=14.2km s-min=10.3km az=122.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSNC Error ellipse: s-maj=3.2km s-min=3.2km az=-1.0.
ISC I 11 03 34 33.0–.98 6.84N–.03 73.11W–.04 158–7 64 0-150
IDC I 11 03 34 33.5–.93 6.72N 72.90W 165–15 4.0,3.4s ¶610237123
RSNC I 11 03 34 34.8–.83 6.81N 73.15W 149–3 3.4L,3.4s
ISC Event type ke.
IDC Error ellipse: s-maj=66.7km s-min=8.1km az=132.0.
RSNC Error ellipse: s-maj=2.4km s-min=2.4km az=-1.0.
ISC I 11 19 45 39.9–1.1 8.13N–.03 73.48W–.04 100 41 1-151
IDC I 11 19 45 35.8–9.8 8.27N 75.92W 56–105 3.7,2.3L ¶610237185
RSNC I 11 19 45 39.7–1.2 8.03N 73.46W 114–8 3.5W,3.1L
ISC Event type ke.
IDC Error ellipse: s-maj=439.4km s-min=63.6km az=65.0.
RSNC Error ellipse: s-maj=2.8km s-min=3.9km az=-1.0.
ISC I 13 00 31 23.6–.72 6.84N–.03 73.10W–.04 154–5 3.6b 72 0-150
IDC I 13 00 31 23.6–.69 6.83N 73.11W 153–9 4.0,3.5b ¶610237268
RSNC I 13 00 31 24.8–.84 6.80N 73.13W 149–3 4.1W,3.7L
ISC Event type ke.
IDC Error ellipse: s-maj=26.3km s-min=7.8km az=131.0.
RSNC Error ellipse: s-maj=2.5km s-min=2.3km az=-1.0. Moment Tensor Solution. NP1:ϕs38.00000°,δ71.00000°,λ158.00000°.
ISC I 15 02 02 13.0–.87 6.83N–.03 73.10W–.04 156–6 70 0-150
IDC I 15 02 02 13.6–.73 6.82N 72.98W 161–11 3.8,3.2b ¶610237405
RSNC I 15 02 02 15.1–.66 6.79N 73.15W 145–3 3.9W,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=41.6km s-min=7.7km az=131.0.
RSNC Error ellipse: s-maj=1.8km s-min=2.0km az=-1.0.
RSNC I 15 23 31 18.1–1.1 6.80N 73.16W 143–9 1.6L ¶615265344
RSNC Error ellipse: s-maj=5.7km s-min=5.0km az=-1.0.
ISC I 16 19 33 43.9–1.1 6.81N–.04 73.12W–.04 144–7 40 0-150
IDC I 16 19 33 43.0–2.2 6.83N 73.00W 164–28 3.7 ¶610237535
RSNC I 16 19 33 44.9–1.1 6.79N 73.16W 139–5 3.1L
ISC Event type ke.
IDC Error ellipse: s-maj=242.1km s-min=14.8km az=133.0.
RSNC Error ellipse: s-maj=3.5km s-min=3.0km az=-1.0.
ISC I 16 21 34 22.1–.80 6.82N–.03 73.13W–.04 154–6 3.3b 65 0-150
IDC I 16 21 34 22.2–1.2 6.64N 72.70W 177–11 3.9,3.2b ¶610237542
RSNC I 16 21 34 23.8–.92 6.79N 73.17W 147–4 3.6L,3.2b
ISC Event type ke.
IDC Error ellipse: s-maj=33.7km s-min=13.7km az=132.0.
RSNC Error ellipse: s-maj=2.5km s-min=2.7km az=-1.0. Moment Tensor Solution. NP1:ϕs35.00000°,δ48.00000°,λ-162.00000°.
ISC I 19 13 38 02.8–.89 6.82N–.03 73.11W–.04 151–6 56 0-150
IDC I 19 13 38 04.9–4.5 6.65N 73.21W 169–30 3.4,2.9b ¶610237727
RSNC I 19 13 38 04.3–1.2 6.78N 73.15W 146–5 3.8W,3.4L
ISC Event type ke.
IDC Error ellipse: s-maj=82.5km s-min=31.6km az=84.0.
RSNC Error ellipse: s-maj=3.5km s-min=3.3km az=-1.0.
ISC I 21 19 22 48.2–.90 6.80N–.04 73.16W–.04 160–6 43 0-150
IDC I 21 19 22 48.4–1.0 6.99N 73.23W 152–26 3.9,3.4b ¶610235011
RSNC I 21 19 22 50.2–1.2 6.79N 73.17W 150–5 3.7W,3.3L
ISC Event type ke.
IDC Error ellipse: s-maj=72.1km s-min=8.9km az=131.0.
RSNC Error ellipse: s-maj=4.0km s-min=4.1km az=-1.0.
ISC I 21 23 18 12.6–.84 6.82N–.03 73.12W–.04 157–6 3.6b 59 0-150
IDC I 21 23 18 12.3–1.0 6.60N 72.81W 167–12 3.8,3.2b ¶610235034
RSNC I 21 23 18 13.6–1.0 6.82N 73.14W 153–4 3.8W,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=48.6km s-min=8.0km az=132.0.
RSNC Error ellipse: s-maj=2.7km s-min=2.7km az=-1.0. Moment Tensor Solution. NP1: ϕs128.00000°,δ78.00000°,λ18.00000°.
ISC I 23 04 25 47.1–.89 6.85N–.03 73.12W–.04 154–6 62 0-150
IDC I 23 04 25 47.3–.89 6.76N 72.92W 160–18 4.0,3.5b ¶610235157
RSNC I 23 04 25 48.6–.90 6.82N 73.15W 148–3 3.7W,3.2L
ISC Event type ke.
IDC Error ellipse: s-maj=71.3km s-min=7.7km az=132.0.
RSNC Error ellipse: s-maj=2.6km s-min=2.5km az=-1.0.
ISC I 23 16 14 56.4–.80 6.83N–.03 73.12W–.04 157–6 3.3b 57 0-150
IDC I 23 16 14 56.8–1.2 6.80N 72.95W 165–13 3.6,3.0b ¶610235207
RSNC I 23 16 14 58.3–.89 6.79N 73.17W 148–4 3.8W,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=32.3km s-min=14.2km az=129.0.
RSNC Error ellipse: s-maj=2.6km s-min=2.5km az=-1.0.
ISC I 24 14 52 13.1–.54 6.83N–.03 73.10W–.03 153–5 4.2b 186 0-150
NEIC I 24 14 52 13.8–1.8 6.81N–.08 72.99W–.08 152–8 4.3b ¶610235268
IDC I 24 14 52 13.6–.66 6.79N 73.05W 161–7 4.0,3.5b
RSNC I 24 14 52 14.8–.90 6.78N 73.19W 148–3 4.1W,4.0L
VAO I 24 14 52 15.2–.44 6.66N 72.87W 150–5 4.2b,4.0L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.3km s-min=9.5km az=129.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=16.5km s-min=7.5km az=126.0.
RSNC Error ellipse: s-maj=2.2km s-min=2.4km az=-1.0. Moment Tensor Solution. NP1:ϕs0.00000°,δ66.00000°,λ50.00000°.
VAO Error ellipse: s-maj=3.9km s-min=3.8km az=-1.0.
ISC I 25 15 54 47.8–.98 6.82N–.03 73.12W–.04 158–6 56 0-149
IDC I 25 15 54 48.0–.90 6.88N 73.18W 161–22 3.7,3.0b ¶610235333
RSNC I 25 15 54 50.0–1.2 6.76N 73.14W 149–5 3.6W,3.1L
ISC Event type ke.
IDC Error ellipse: s-maj=72.6km s-min=8.2km az=132.0.
RSNC Error ellipse: s-maj=3.4km s-min=3.6km az=-1.0.
RSNC I 26 21 22 35.3–.54 6.80N 73.16W 138–6 1.2L ¶615265911
RSNC Error ellipse: s-maj=3.2km s-min=3.2km az=-1.0.
ISC I 28 15 49 36.5–.40 6.61N–.02 76.96W–.03 20–3 4.2b,3.6s 118 1-155
NEIC I 28 15 49 35.2–2.5 6.62N–.07 77.00W–.03 10–1 4.4b,3.6s ¶610147535
IDC I 28 15 49 37.8–.74 6.54N 77.01W 30–3 4.1,3.9L
RSNC I 28 15 49 38.5–1.1 6.54N 76.93W 3–4 4.2W,3.7L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.9km s-min=3.0km az=203.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=22.5km s-min=18.3km az=22.0.
RSNC Error ellipse: s-maj=2.4km s-min=2.6km az=-1.0.
ISC I 30 01 59 03.0–.95 6.83N–.03 73.10W–.04 161–6 52 0-150
IDC I 30 01 59 03.6–1.3 6.89N 73.25W 158–17 3.8,3.0b ¶610235685
RSNC I 30 01 59 04.9–1.0 6.80N 73.14W 151–4 3.6W,3.2L
ISC Event type ke.
IDC Error ellipse: s-maj=63.1km s-min=16.3km az=125.0.
RSNC Error ellipse: s-maj=3.8km s-min=2.9km az=-1.0.
ISC I 30 10 28 20.6–.84 6.59N–.03 73.33W–.03 42–7 4.2b 70 0-150
IDC I 30 10 28 21.4–2.5 6.67N 73.04W 63–22 3.8,3.4b ¶610235724
RSNC I 30 10 28 22.5–1.1 6.53N 73.36W 32–3 4.0W,3.9L
ISC Event type ke.
IDC Error ellipse: s-maj=25.1km s-min=15.0km az=93.0.
RSNC Error ellipse: s-maj=2.4km s-min=2.8km az=-1.0. Moment Tensor Solution. NP1:ϕs18.00000°,δ88.00000°,λ-142.00000°.
RSNC I 31 10 51 18.3–1.0 6.80N 73.17W 149–4 3.5W,3.1L ¶615266138
RSNC Error ellipse: s-maj=3.5km s-min=3.1km az=-1.0.
ISC II 01 00 18 25.3–.45 6.81N–.03 73.08W–.03 157–4 4.7b 475 0-150
NEIC II 01 00 18 25.5–1.9 6.81N–.06 72.96W–.06 156–7 4.7b ¶610159388
IDC II 01 00 18 25.8–.51 6.79N 72.98W 163–5 4.4,3.9b
RSNC II 01 00 18 26.7–.99 6.77N 73.16W 149–4 4.7W,4.6L
VAO II 01 00 18 26.1–.31 6.71N 72.97W 154 4.3b,4.6L
ISC Event type se. Moment Tensor Solution. NP1:ϕs5.41735°,δ35.12264°,λ-57.52543°. NP2: ϕs147.52995°,δ60.96366°,λ-110.69026°. Principal axes: T Plg13.6007°,Azm252.4245°; N Plg17.9935°,Azm157.9175°; P Plg67.1556°,Azm17.4754°
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=7.7km az=51.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=10.8km s-min=7.1km az=122.0.
RSNC Error ellipse: s-maj=2.3km s-min=2.7km az=-1.0. Moment Tensor Solution. NP1:ϕs8.00000°,δ43.00000°,λ-42.00000°.
VAO Error ellipse: s-maj=4.0km s-min=4.0km az=-1.0.
ISC II 01 10 33 37.8–.90 6.86N–.03 73.13W–.04 153–6 56 0-150
IDC II 01 10 33 38.2–5.4 6.79N 72.91W 163–41 3.3,2.7b ¶610414605
RSNC II 01 10 33 39.5–1.1 6.79N 73.16W 145–4 3.7W,3.4L
ISC Event type ke.
IDC Error ellipse: s-maj=84.0km s-min=42.8km az=85.0.
RSNC Error ellipse: s-maj=3.8km s-min=3.3km az=-1.0. Moment Tensor Solution. NP1:ϕs48.00000°,δ90.00000°,λ-162.00000°.
RSNC II 03 01 36 54.2–.97 6.83N 71.71W 15–4 3.6W,3.2L ¶615266258
RSNC Error ellipse: s-maj=3.5km s-min=6.6km az=-1.0.
RSNC II 05 10 34 53.5–.73 6.72N 73.14W 144–4 1.8L ¶615266382
RSNC Error ellipse: s-maj=4.7km s-min=4.1km az=-1.0.
RSNC II 06 11 29 07.3–1.0 6.82N 73.14W 150–4 3.7W,3.1L ¶615266436
RSNC Error ellipse: s-maj=3.6km s-min=2.9km az=-1.0.
ISC II 06 13 52 55.1–.94 6.88N–.04 73.10W–.05 154–6 36 0-150
IDC II 06 13 52 56.0–5.1 6.74N 73.03W 169–39 3.2,2.7b ¶610414975
RSNC II 06 13 52 56.1–1.4 6.86N 73.13W 150–6 2.9L,2.7b
ISC Event type ke.
IDC Error ellipse: s-maj=88.0km s-min=43.2km az=86.0.
RSNC Error ellipse: s-maj=4.1km s-min=4.4km az=-1.0.
ISC II 08 02 24 11.9–.94 6.02N–.03 73.71W–.03 129–6 70 1-149
RSNC II 08 02 24 12.9–1.1 6.04N 73.70W 124–5 3.7W,3.4L ¶610415082
IDC II 08 02 24 12.2–6.0 5.91N 75.50W 97–67 3.6s,3.6
ISC Event type ke.
RSNC Error ellipse: s-maj=2.4km s-min=2.6km az=-1.0.
IDC Error ellipse: s-maj=121.8km s-min=32.9km az=79.0.
ISC II 08 07 45 13.2–.83 6.82N–.03 73.11W–.04 161–6 3.3b 76 0-63
RSNC II 08 07 45 14.3–.93 6.80N 73.13W 154–3 3.9W,3.6L ¶610415099
IDC II 08 07 45 15.3–3.4 6.56N 73.21W 188–116 3.6,3.0b
ISC Event type ke.
RSNC Error ellipse: s-maj=2.7km s-min=2.8km az=-1.0.
IDC Error ellipse: s-maj=189.6km s-min=53.6km az=166.0.
ISC II 08 19 41 18.5–.87 8.96N–.03 73.90W–.04 90–8 3.2b 55 1-151
IDC II 08 19 41 18.3–2.9 8.99N 73.95W 89–37 3.6,3.3s ¶610415137
RSNC II 08 19 41 18.2–.85 8.98N 73.94W 107–5 3.8W,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=34.4km s-min=12.3km az=135.0.
RSNC Error ellipse: s-maj=1.9km s-min=2.3km az=-1.0.
ISC II 09 20 20 06.2–.79 6.83N–.03 73.12W–.04 155–6 3.5b 68 0-150
IDC II 09 20 20 06.2–1.2 6.76N 72.90W 162–14 3.7,3.2b ¶610415197
RSNC II 09 20 20 07.4–1.1 6.81N 73.14W 151–4 3.9W,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=36.1km s-min=13.8km az=129.0.
RSNC Error ellipse: s-maj=2.9km s-min=2.8km az=-1.0.
RSNC II 11 07 51 33.7–.35 7.00N 73.57W 106–5 1.0L ¶615266694
RSNC Error ellipse: s-maj=2.0km s-min=2.6km az=-1.0.
ISC II 11 23 28 13.3–.78 6.83N–.03 73.13W–.04 155–6 3.5b 69 0-150
IDC II 11 23 28 13.5–1.2 6.80N 72.94W 161–15 3.7,3.2b ¶610415341
RSNC II 11 23 28 14.7–1.0 6.82N 73.16W 150–4 3.9W,3.4L
ISC Event type ke.
IDC Error ellipse: s-maj=38.6km s-min=14.0km az=130.0.
RSNC Error ellipse: s-maj=2.9km s-min=2.8km az=-1.0.
RSNC II 13 10 27 23.1–.60 6.87N 73.24W 120–4 1.5L ¶615266821
RSNC Error ellipse: s-maj=5.4km s-min=5.2km az=-1.0.
RSNC II 13 10 27 49.3–1.0 7.47N 72.66W 0–3 1.3L ¶615266824
RSNC Error ellipse: s-maj=4.0km s-min=8.3km az=-1.0.
ISC II 14 06 49 47.0–.95 6.84N–.03 73.11W–.04 155–6 61 0-63
IDC II 14 06 49 47.5–1.1 6.92N 73.15W 148–54 3.3,2.6b ¶610415491
RSNC II 14 06 49 48.5–.89 6.79N 73.16W 148–3 3.4W,3.0L
ISC Event type ke.
IDC Error ellipse: s-maj=126.6km s-min=8.0km az=133.0.
RSNC Error ellipse: s-maj=2.4km s-min=2.3km az=-1.0. Moment Tensor Solution. NP1:ϕs49.00000°,δ88.00000°,λ-165.00000°.
ISC II 16 03 04 39.1–.82 6.85N–.03 73.11W–.04 157–6 3.8b 72 0-63
IDC II 16 03 04 36.9–1.1 6.07N 72.44W 200–11 4.0,3.4b ¶610415606
RSNC II 16 03 04 39.8–.96 6.83N 73.15W 153–3 4.0W,3.7L
ISC Event type ke.
IDC Error ellipse: s-maj=18.5km s-min=15.3km az=91.0.
RSNC Error ellipse: s-maj=2.4km s-min=2.6km az=-1.0. Moment Tensor Solution. NP1:ϕs63.00000°,δ6.00000°,λ38.00000°.
ISC II 17 15 36 36.0–.97 6.57N–.03 73.50W–.03 120–6 45 0-149
IDC II 17 15 36 35.6–.90 6.35N 73.22W 139–13 3.7,2.9b ¶610415703
RSNC II 17 15 36 37.0–.92 6.55N 73.51W 115–4 3.1L,2.9b
ISC Event type ke.
IDC Error ellipse: s-maj=50.4km s-min=8.0km az=133.0.

RSNC Error ellipse: s-maj=2.2km s-min=2.8km az=-1.0.
ISC II 19 03 36 59.7–.82 6.83N–.03 73.14W–.04 153–6 3.6b 70 0-63
IDC II 19 03 36 60.0–1.0 6.83N 73.02W 157–31 3.8,3.5s ¶610415795
RSNC II 19 03 37 00.1–1.3 6.83N 73.13W 154–5 3.9W,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=84.3km s-min=7.6km az=134.0.
RSNC Error ellipse: s-maj=3.5km s-min=3.6km az=-1.0. Moment Tensor Solution. NP1:ϕs25.00000°,δ75.00000°,λ-102.00000°.
RSNC II 19 06 26 44.6–1.2 6.82N 73.13W 143–5 2.1L
¶615267111
RSNC Error ellipse: s-maj=4.0km s-min=3.7km az=-1.0.
ISC II 20 02 20 04.0–.82 6.82N–.03 73.11W–.04 156–6 3.0b 69 0-150
IDC II 20 02 20 04.1–.83 6.70N 72.97W 160–12 3.4,2.8b ¶610384664
RSNC II 20 02 20 05.6–.89 6.79N 73.16W 148–3 3.3L,2.8b
ISC Event type ke.
IDC Error ellipse: s-maj=39.2km s-min=8.1km az=132.0.
RSNC Error ellipse: s-maj=2.4km s-min=2.3km az=-1.0.
ISC II 22 14 03 56.9–.88 6.56N–.03 73.50W–.03 116–6 69 0-150
IDC II 22 14 03 57.5–1.3 6.54N 73.26W 137–17 3.9,3.4b ¶610384812
RSNC II 22 14 03 57.9–1.2 6.57N 73.50W 116–5 3.7W,3.2L
ISC Event type ke.
IDC Error ellipse: s-maj=54.0km s-min=13.5km az=129.0.
RSNC Error ellipse: s-maj=3.0km s-min=3.5km az=-1.0.
RSNC II 23 10 01 32.8–1.1 10.12N 73.27W 116–5 3.5W,2.9L
¶615267384
RSNC Error ellipse: s-maj=2.8km s-min=4.1km az=-1.0.
ISC II 24 10 54 14.2–.45 6.85N–.03 73.12W–.04 152–4 4.4b 546 0-154
NEIC II 24 10 54 15.3–1.7 6.82N–.07 73.01W–.07 152–8 4.4b ¶610240228
IDC II 24 10 54 15.4–.60 6.79N 72.95W 165–6 4.4,3.9b
RSNC II 24 10 54 15.7–.88 6.80N 73.17W 150–3 4.5W,4.3L
VAO II 24 10 54 17.2–.57 6.54N 73.18W 151 4.2b,4.3L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.0km s-min=9.4km az=124.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=12.6km s-min=9.2km az=111.0.
RSNC Error ellipse: s-maj=2.2km s-min=2.3km az=-1.0.
VAO Error ellipse: s-maj=7.7km s-min=5.1km az=-1.0.
ISC II 25 12 35 07.2–.88 7.89N–.03 72.34W–.03 11–5 59 0-6
FUNV II 25 12 35 07.6 7.95N 72.42W 2 3.6W ¶613522540
RSNC II 25 12 35 09.4–1.1 7.86N 72.51W 0–4 3.2W,2.8L
ISC Event type ke.
RSNC Error ellipse: s-maj=2.7km s-min=3.9km az=-1.0.
ISC II 27 17 30 48.2–1.0 7.00N–.02 76.16W–.03 3–8 49 0-148
RSNC II 27 17 30 49.6–1.2 7.01N 76.24W 0–3 3.7W,3.1L ¶610385142
IDC II 27 17 30 50.5–10 6.98N 76.57W 0 3.8,2.3L
ISC Event type ke.
RSNC Error ellipse: s-maj=2.6km s-min=3.2km az=-1.0.
IDC Error ellipse: s-maj=549.7km s-min=33.8km az=35.0.
ISC II 28 09 24 37.9–.55 6.83N–.03 73.08W–.04 156–5 4.2b 235 0-150
IDC II 28 09 24 38.2–.73 6.75N 72.94W 163–7 3.9,3.4b ¶610241891
NEIC II 28 09 24 38.5–1.9 6.83N–.06 73.02W–.07 154–5 4.2b,3.4b
RSNC II 28 09 24 39.2–1.1 6.80N 73.14W 153–4 4.0W,3.9L
ISC Event type se.
IDC Error ellipse: s-maj=19.1km s-min=8.6km az=130.0.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=7.3km az=131.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSNC Error ellipse: s-maj=2.7km s-min=2.8km az=-1.0. Moment Tensor Solution. NP1:ϕs54.00000°,δ87.00000°,λ-142.00000°.
ISC III 02 14 26 18.6–.69 8.57N–.03 73.25W–.04 134–6 3.6b 95 1-151
RSNC III 02 14 26 19.1–1.1 8.51N 73.24W 142–6 4.4W,3.9L ¶610545393
IDC III 02 14 26 20.7–1.1 8.46N 73.00W 154–11 3.9,3.4b
ISC Event type ke.
RSNC Error ellipse: s-maj=2.1km s-min=3.8km az=-1.0.
IDC Error ellipse: s-maj=17.3km s-min=9.5km az=129.0.
ISC III 02 19 28 23.6–.59 6.82N–.03 73.10W–.04 154–5 4.0b 125 0-150
IDC III 02 19 28 24.9–1.4 6.73N 72.98W 170–13 3.9,3.4b ¶610545407
NEIC III 02 19 28 24.2–1.2 6.81N–.08 73.00W–.08 155–8 4.2b,3.4b
RSNC III 02 19 28 26.1–.97 6.79N 73.15W 146–3 3.9W,3.7L
ISC Event type se.
IDC Error ellipse: s-maj=27.4km s-min=17.2km az=93.0.
NEIC Event type se. Error ellipse: s-maj=12.5km s-min=10.2km az=131.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSNC Error ellipse: s-maj=2.1km s-min=2.4km az=-1.0. Moment Tensor Solution. NP1:ϕs84.00000°,δ55.00000°,λ-162.00000°.
ISC III 03 13 58 32.5–.81 6.83N–.03 73.11W–.04 153–6 3.3b 85 0-150
IDC III 03 13 58 33.0–.73 6.75N 72.91W 166–9 3.7,3.1b ¶610545458
RSNC III 03 13 58 33.7–1.2 6.82N 73.16W 150–4 3.9W,3.7L
ISC Event type ke.
IDC Error ellipse: s-maj=30.1km s-min=7.5km az=131.0.
RSNC Error ellipse: s-maj=2.8km s-min=3.1km az=-1.0.
ISC III 03 22 59 02.4–1.2 7.39N–.03 76.40W–.04 13–8 4.3b 77 0-147
IDC III 03 22 59 01.0–1.4 7.39N 76.62W 0 3.8,3.8b ¶610545482
NEIC III 03 22 59 02.7–2.5 7.49N–.06 76.36W–.04 10–1 4.5b,3.8b
RSNC III 03 22 59 04.3–1.1 7.33N 76.35W 1–4 4.1W,3.5L
ISC Event type se.
IDC Error ellipse: s-maj=43.2km s-min=27.1km az=52.0.
NEIC Event type se. Error ellipse: s-maj=12.5km s-min=3.4km az=30.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSNC Error ellipse: s-maj=1.8km s-min=3.2km az=-1.0.
RSNC III 04 08 43 19.9–.92 6.80N 73.35W 117–4 1.4L
¶615267854
RSNC Error ellipse: s-maj=2.9km s-min=2.9km az=-1.0.
RSNC III 06 18 54 49.5–1.1 6.82N 73.16W 146–4 3.8W,3.3L
¶615267957
RSNC Error ellipse: s-maj=2.8km s-min=2.9km az=-1.0.
ISC III 07 17 11 13.6–.47 7.32N–.03 72.00W–.03 39–3 4.3b 165 1-152
FUNV III 07 17 11 12.1 7.36N 72.09W 4 4.3W ¶610271586
NEIC III 07 17 11 13.9–2.2 7.29N–.05 71.97W–.06 39–10 4.4b
RSNC III 07 17 11 14.0–.79 7.28N 72.15W 2–3 4.1W,3.7L
VAO III 07 17 11 15.9–.50 7.30N 71.93W 44 4.3b,3.7L
IDC III 07 17 11 17.4–.98 7.31N 71.98W 74–10 4.0,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=6.8km az=125.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSNC Error ellipse: s-maj=2.8km s-min=2.7km az=-1.0.
VAO Error ellipse: s-maj=4.8km s-min=8.0km az=-1.0.
IDC Error ellipse: s-maj=15.4km s-min=7.7km az=123.0.
RSNC III 07 19 40 26.3–.91 6.80N 73.17W 134–9 1.5L
¶615268009
RSNC Error ellipse: s-maj=8.0km s-min=4.8km az=-1.0.
ISC III 09 22 58 27.7–1.3 7.63N–.03 72.28W–.03 4–10 40 0-6
FUNV III 09 22 58 27.7 7.57N 72.33W 4 3.4W ¶613522585
RSNC III 09 22 58 31.7–.97 7.48N 72.37W 0–6 2.4L
ISC Event type ke.
RSNC Error ellipse: s-maj=6.0km s-min=4.0km az=-1.0.
RSNC III 10 06 18 45.9–.89 6.81N 73.15W 148–5 2.1L
¶615268126
RSNC Error ellipse: s-maj=4.2km s-min=3.2km az=-1.0.
ISC III 10 17 01 57.7–1.3 6.89N–.03 73.08W–.03 157–8 57 0-6
FUNV III 10 17 01 56.5 6.25N 72.72W 5 3.5W ¶613522591
RSNC III 10 17 02 00.5–.85 6.80N 73.14W 142–3 3.4W,3.0L
ISC Event type ke.
RSNC Error ellipse: s-maj=2.5km s-min=2.2km az=-1.0.
ISC III 11 08 58 37.9–.97 6.83N–.03 73.09W–.04 150–6 63 0-150
RSNC III 11 08 58 40.1–.76 6.77N 73.14W 140–3 3.4W,3.1L ¶610546008
IDC III 11 08 58 43.2–5.8 6.51N 73.61W 186–34 2.8,2.3b
ISC Event type ke.
RSNC Error ellipse: s-maj=2.0km s-min=2.0km az=-1.0.
IDC Error ellipse: s-maj=116.9km s-min=40.4km az=72.0.
RSNC III 12 11 16 53.3–1.1 6.83N 73.16W 146–5 3.6W,3.0L
¶615268210
RSNC Error ellipse: s-maj=3.3km s-min=3.1km az=-1.0.
RSNC III 12 16 49 56.1–1.1 7.16N 76.23W 0–5 3.7W,3.1L
¶615268220
RSNC Error ellipse: s-maj=3.4km s-min=5.0km az=-1.0.
ISC III 12 23 36 49.0–.91 6.83N–.03 73.10W–.04 158–6 71 0-150
RSNC III 12 23 36 50.9–.87 6.81N 73.15W 149–3 3.7W,3.3L ¶610546104
IDC III 12 23 36 51.9–4.9 6.75N 73.42W 179–32 3.6,3.0b
ISC Event type ke.
RSNC Error ellipse: s-maj=2.1km s-min=2.2km az=-1.0. Moment Tensor Solution. NP1: ϕs132.00000°,δ68.00000°,λ-122.00000°.
IDC Error ellipse: s-maj=125.2km s-min=36.9km az=90.0.
ISC III 13 07 52 29.0–.65 9.30N–.03 74.95W–.04 83–8 3.8b 106 1-150
IDC III 13 07 52 23.9–.72 8.99N 74.84W 0 3.8L,3.7 ¶610546121
NEIC III 13 07 52 28.2–2.2 9.44N–.06 74.97W–.06 74–12 4.1b,3.7
RSNC III 13 07 52 29.6–.88 9.31N 75.00W 100–7 4.4W,3.9L
ISC Event type se.
IDC Error ellipse: s-maj=26.5km s-min=17.0km az=59.0.
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=8.0km az=212.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSNC Error ellipse: s-maj=3.5km s-min=2.6km az=-1.0.
ISC III 13 15 25 51.3–.71 6.81N–.03 73.10W–.04 164–5 3.2b 82 0-150
IDC III 13 15 25 51.3–.66 6.72N 72.95W 163–7 3.7,3.1b ¶610546147
RSNC III 13 15 25 53.3–1.1 6.80N 73.13W 152–4 4.0W,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=26.6km s-min=7.4km az=132.0.
RSNC Error ellipse: s-maj=2.7km s-min=2.8km az=-1.0.
ISC III 14 08 23 49.0–.87 6.82N–.03 73.09W–.04 149–6 52 0-150
IDC III 14 08 23 48.4–.77 6.78N 73.00W 154–11 3.4,3.1s ¶610546189
RSNC III 14 08 23 51.1–.95 6.78N 73.14W 139–4 3.6W,3.2L
ISC Event type ke.
IDC Error ellipse: s-maj=40.7km s-min=7.8km az=131.0.
RSNC Error ellipse: s-maj=2.8km s-min=2.8km az=-1.0.
RSNC III 14 20 04 04.7–.98 6.80N 73.15W 142–4 3.7W,3.0L
¶615268317
RSNC Error ellipse: s-maj=2.9km s-min=2.5km az=-1.0.
ISC III 15 01 59 07.2–.91 6.81N–.04 73.10W–.04 157–6 53 0-150
IDC III 15 01 59 07.4–.87 6.85N 73.06W 153–18 3.6,2.9b ¶610546226
RSNC III 15 01 59 09.2–1.2 6.81N 73.15W 145–5 3.7W,3.4L
ISC Event type ke.
IDC Error ellipse: s-maj=50.6km s-min=8.8km az=132.0.
RSNC Error ellipse: s-maj=3.8km s-min=3.4km az=-1.0.
ISC III 18 01 44 01.9–.98 7.78N–.07 72.22W–.04 14–8 19 0-5
FUNV III 18 01 44 03.3 7.95N 72.24W 8 2.7W ¶613522622
RSNC III 18 01 44 06.5–.87 7.57N 72.30W 0–7 1.8L
ISC Event type ke.
RSNC Error ellipse: s-maj=5.8km s-min=6.5km az=-1.0.
ISC III 18 07 51 04.6–1.3 7.59N–.05 72.29W–.05 6–11 22 0-5
FUNV III 18 07 51 05.7 7.58N 72.30W 3 2.9W ¶613522623
RSNC III 18 07 51 08.9–.99 7.47N 72.41W 4–6 1.7L
ISC Event type ke.
RSNC Error ellipse: s-maj=8.3km s-min=6.2km az=-1.0.
ISC III 18 09 24 18.0–1.0 6.84N–.03 73.13W–.05 144–6 44 0-150
IDC III 18 09 24 16.5–6.9 6.56N 76.34W 87–71 3.2,2.7b ¶615268487
RSNC III 18 09 24 19.4–.77 6.79N 73.18W 137–4 2.8L,2.7b
ISC Event type ke.
IDC Error ellipse: s-maj=94.2km s-min=38.4km az=74.0.
RSNC Error ellipse: s-maj=2.1km s-min=2.7km az=-1.0.
RSNC III 19 06 01 05.1–1.0 6.90N 73.18W 174–9 1.1L
¶615268527
RSNC Error ellipse: s-maj=7.0km s-min=5.2km az=-1.0.
RSNC III 19 06 36 34.5–.96 7.06N 73.61W 139–8 1.4L
¶615268531
RSNC Error ellipse: s-maj=5.1km s-min=4.5km az=-1.0.
RSNC III 20 23 50 45.0–1.1 6.77N 73.13W 143–4 3.6W,3.2L
¶615268612
RSNC Error ellipse: s-maj=2.5km s-min=4.1km az=-1.0.
RSNC III 21 07 18 23.6–.83 6.85N 73.08W 155–4 3.7W,3.1L
¶615268625
RSNC Error ellipse: s-maj=2.3km s-min=3.3km az=-1.0.
ISC III 21 10 30 18.3–.33 7.14N–.03 73.87W–.03 106–3 4.7b 648 0-154
NEIC III 21 10 30 17.5–1.9 7.11N–.06 73.86W–.08 86–5 4.7b ¶610416096
IDC III 21 10 30 18.2–.38 7.07N 73.84W 107–3 4.4,3.9b
VAO III 21 10 30 19.8–.28 7.06N 73.86W 101 4.5b,3.9b
RSNC III 21 10 30 19.5–.86 7.15N 73.92W 100–4 4.6W,4.6L
ISC Event type se. Moment Tensor Solution. NP1:ϕs34.52861°,δ77.20426°,λ-104.06460°. NP2: ϕs263.05051°,δ18.92699°,λ-43.06304°. Principal axes: T Plg30.8150°,Azm136.0705° ; N Plg13.7084°,Azm37.7044°; P Plg55.6374°,Azm286.8037°
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=9.1km az=101.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=13.2km s-min=8.8km az=73.0.
VAO Error ellipse: s-maj=4.1km s-min=3.9km az=-1.0.
RSNC Error ellipse: s-maj=2.2km s-min=2.2km az=-1.0. Moment Tensor Solution. NP1:ϕs23.00000°,δ67.00000°,λ-102.00000°.
ISC III 21 18 03 57.6–.69 6.85N–.03 73.03W–.04 159–5 3.5b 89 0-154
IDC III 21 18 03 58.2–.61 6.70N 72.89W 169–6 4.0,3.4b ¶610543417
RSNC III 21 18 03 59.5–1.4 6.79N 73.10W 148–5 4.2W,4.2L
ISC Event type ke.
IDC Error ellipse: s-maj=17.8km s-min=7.2km az=134.0.
RSNC Error ellipse: s-maj=3.2km s-min=4.5km az=-1.0. Moment Tensor Solution. NP1:ϕs90.00000°,δ27.00000°,λ-162.00000°.
ISC III 22 01 50 07.2–.63 6.86N–.03 73.07W–.04 153–5 4.2b 125 0-150
NEIC III 22 01 50 07.2–1.3 6.53N–.09 72.8W–.10 175–9 4.2b ¶610543437
IDC III 22 01 50 08.4–1.3 6.76N 73.00W 166–12 4.1,3.4b
RSNC III 22 01 50 08.2–1.3 6.84N 73.17W 153–5 3.9W,3.7L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.8km s-min=10.6km az=128.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=24.6km s-min=16.6km az=133.0.
RSNC Error ellipse: s-maj=3.5km s-min=4.7km az=-1.0. Moment Tensor Solution. NP1: ϕs131.00000°,δ24.00000°,λ-62.00000°.
FUNV III 22 17 20 21.0 9.55N 73.10W 37 3.6W
¶613522650
ISC III 26 02 27 21.7–.99 6.83N–.03 73.16W–.04 150 61 0-150
IDC III 26 02 27 20.4–7.5 6.65N 76.41W 89–79 3.9,3.3b ¶615268840
RSNC III 26 02 27 22.4–1.2 6.81N 73.16W 152–6 3.7W,3.4L
ISC Event type ke.
IDC Error ellipse: s-maj=111.4km s-min=38.3km az=73.0.
RSNC Error ellipse: s-maj=3.6km s-min=4.0km az=-1.0.
ISC III 27 12 07 23.7–.92 6.82N–.03 73.10W–.04 148–6 83 0-150
IDC III 27 12 07 23.4–.84 6.80N 73.07W 151–15 3.6,2.8b ¶610543792
RSNC III 27 12 07 25.7–1.1 6.78N 73.15W 140–4 3.7W,3.3L
ISC Event type ke.
IDC Error ellipse: s-maj=62.7km s-min=7.5km az=131.0.
RSNC Error ellipse: s-maj=2.7km s-min=3.8km az=-1.0.
ISC III 28 16 56 60.0–.69 6.84N–.03 73.05W–.04 151–6 3.5b 110 0-150
NEIC III 28 16 56 59.9–.75 6.74N–.08 72.96W–.08 162–12 4.3b ¶610543861
IDC III 28 16 57 00.5–.71 6.76N 72.96W 157–10 3.8,3.2b
RSNC III 28 16 57 02.0–1.1 6.81N 73.10W 144–4 4.0W,3.4L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.0km s-min=6.9km az=132.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=33.3km s-min=7.4km az=131.0.

RSNC Error ellipse: s-maj=3.0km s-min=3.9km az=-1.0.
RSNC III 29 17 01 06.6–.75 6.83N 73.15W 140–6 1.5L
¶615223362
RSNC Error ellipse: s-maj=4.0km s-min=3.9km az=-1.0.
RSNC III 30 22 59 39.4–.71 10.16N 73.15W 124–4 3.8W,3.6L
¶615269099
RSNC Error ellipse: s-maj=2.6km s-min=2.9km az=-1.0. Moment Tensor Solution. NP1:ϕ_s27.00000°,δ46.00000°,λ-122.00000°.
ISC III 30 23 27 59.8–.95 6.88N–.04 73.14W–.05 150–6 49 0-149
IDC III 30 23 27 59.8–5.2 6.98N 73.08W 146–41 3.3,2.8b **¶610544015**
RSNC III 30 23 28 01.5–1.0 6.82N 73.18W 144–4 3.6W,3.2L
ISC Event type ke.
IDC Error ellipse: s-maj=87.7km s-min=40.5km az=89.0.
RSNC Error ellipse: s-maj=2.9km s-min=3.4km az=-1.0.
RSNC III 31 02 03 25.7–1.3 6.82N 73.13W 145–5 3.6W,3.0L
¶615269107
RSNC Error ellipse: s-maj=3.2km s-min=4.2km az=-1.0.
RSNC III 31 10 01 35.4–1.1 6.79N 73.13W 144–6 2.6L
¶615269128
RSNC Error ellipse: s-maj=3.9km s-min=4.1km az=-1.0.
ISC IV 01 22 52 43.7–.60 6.83N–.03 73.12W–.04 154–5 4.2b 123 0-150
IDC IV 01 22 52 44.6–1.3 6.74N 73.01W 168–14 4.1,3.5b **¶610470147**
NEIC IV 01 22 52 44.2–2.5 6.86N–.07 73.03W–.08 146–8 4.3b,3.5b
RSNC IV 01 22 52 44.7–1.0 6.80N 73.14W 152–3 4.2W,4.1L
ISC Event type se.
IDC Error ellipse: s-maj=27.8km s-min=17.9km az=122.0.
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=10.1km az=109.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSNC Error ellipse: s-maj=2.4km s-min=2.9km az=-1.0. Moment Tensor Solution. NP1:
ϕ_s113.00000°,δ35.00000°,λ132.00000°.
RSNC IV 02 04 00 03.4–1.0 6.85N 73.12W 156–5 3.6W,3.0L
¶615269191
RSNC Error ellipse: s-maj=2.9km s-min=3.5km az=-1.0.
RSNC IV 02 17 50 33.9–.80 6.80N 73.12W 147–3 3.6W,3.1L
IDC IV 02 17 50 32.7–7.4 6.70N 76.15W 101–80 3.7,3.2b **¶610651772**
RSNC Error ellipse: s-maj=2.6km s-min=2.6km az=-1.0.
IDC Error ellipse: s-maj=128.1km s-min=33.8km az=77.0.
RSNC IV 02 23 54 02.7–1.0 6.77N 73.25W 146–6 1.9L
¶616606788
RSNC Error ellipse: s-maj=5.5km s-min=4.7km az=-1.0.
ISC IV 03 11 47 11.2–1.0 6.84N–.03 73.10W–.05 153–6 50 0-150
RSNC IV 03 11 47 12.5–1.1 6.82N 73.15W 147–4 2.9L **¶610651838**
IDC IV 03 11 47 14.5–6.2 6.83N 73.81W 173–34 3.1,2.5b
ISC Event type ke.
RSNC Error ellipse: s-maj=2.7km s-min=3.2km az=-1.0.
IDC Error ellipse: s-maj=289.2km s-min=49.2km az=95.0.
ISC IV 05 01 48 27.3–.85 6.79N–.03 73.10W–.05 153–6 3.0b 63 0-150
IDC IV 05 01 48 29.0–4.1 6.64N 73.31W 169–27 3.4,2.9b **¶610651956**
RSNC IV 05 01 48 29.2–1.1 6.79N 73.14W 144–4 3.3L,2.9b
ISC Event type ke.
IDC Error ellipse: s-maj=82.8km s-min=26.7km az=85.0.
RSNC Error ellipse: s-maj=2.3km s-min=3.1km az=-1.0.
ISC IV 07 00 54 40.3–.68 7.63N–.03 73.34W–.04 128–6 3.6b 105 1-151
NEIC IV 07 00 54 39.9–2.9 7.74N–.05 73.24W–.06 119–20 4.2b **¶610652113**
IDC IV 07 00 54 41.8–1.7 7.67N 73.32W 140–18 3.8,3.3b
RSNC IV 07 00 54 42.2–1.2 7.60N 73.36W 122–5 4.0W,3.7L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=3.6km az=128.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=24.3km s-min=17.4km az=108.0.
RSNC Error ellipse: s-maj=2.6km s-min=3.5km az=-1.0.
ISC IV 07 13 16 16.1–1.3 6.93N–.04 73.17W–.06 144–7 42 0-150
IDC IV 07 13 16 14.1–5.3 6.47N 76.49W 88–68 3.4,3.0b **¶615269434**
RSNC IV 07 13 16 16.1–1.2 6.85N 73.13W 148–5 2.8L,3.0b
ISC Event type ke.
IDC Error ellipse: s-maj=155.0km s-min=32.6km az=51.0.
RSNC Error ellipse: s-maj=4.0km s-min=3.8km az=-1.0.
ISC IV 08 05 45 29.6–.67 6.47N–.02 73.42W–.03 10 3.6b 68 0-150
RSNC IV 08 05 45 31.7–1.0 6.47N 73.33W 28–3 3.4W,3.1L **¶615269454**
IDC IV 08 05 45 35.1–3.6 6.45N 75.55W 44–37 3.5,3.2b
ISC Event type ke.
RSNC Error ellipse: s-maj=2.0km s-min=2.5km az=-1.0. Moment Tensor Solution. NP1:ϕ_s7.00000°,δ41.00000°,λ38.00000°.
IDC Error ellipse: s-maj=47.9km s-min=25.7km az=59.0.
ISC IV 10 00 53 31.3–.97 6.82N–.03 73.11W–.04 155–6 72 0-63
RSNC IV 10 00 53 32.1–1.3 6.83N 73.14W 152–5 3.7W,3.3L **¶610652327**
IDC IV 10 00 53 33.8–7.0 6.41N 73.07W 200–209 3.4,2.9b
ISC Event type ke.
RSNC Error ellipse: s-maj=3.0km s-min=4.0km az=-1.0.
IDC Error ellipse: s-maj=347.0km s-min=77.0km az=179.0.
ISC IV 11 08 48 36.3–.99 6.83N–.03 73.09W–.05 151–6 68 0-63
RSNC IV 11 08 48 38.3–1.2 6.80N 73.18W 141–4 3.4W,3.1L **¶610652442**
IDC IV 11 08 48 39.2–3.6 5.71N 73.14W 239–51 3.3,2.7b
ISC Event type ke.
RSNC Error ellipse: s-maj=2.7km s-min=3.1km az=-1.0.
IDC Error ellipse: s-maj=126.0km s-min=46.1km az=44.0.
ISC IV 12 05 07 41.8–.60 6.81N–.03 73.12W–.04 152–6 4.0b 129 0-150
RSNC IV 12 05 07 42.5–1.0 6.83N 73.13W 156–4 4.2W,4.0L **¶610652516**
IDC IV 12 05 07 42.4–1.2 6.73N 73.06W 159–13 4.1,3.5b
NEIC IV 12 05 07 42.1–.96 6.82N–.05 72.96W–.08 148–7 4.0b,3.5b
ISC Event type se.
RSNC Moment Tensor Solution. NP1:ϕ_s78.00000°,δ77.00000°,λ-170.00000°.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 12 11 28 03.0–.36 7.15N–.03 72.98W–.03 174–3 4.7b 587 0-153
UPA IV 12 11 27 56.8–1.1 7.56N 72.42W 54–999 4.7W **¶610526894**
NEIC IV 12 11 28 02.9–1.3 7.20N–.03 72.90W–.07 166–8 4.8b
IDC IV 12 11 28 03.6–.46 7.09N 72.84W 180–4 4.6,4.1b
VAO IV 12 11 28 03.1–1.1 7.15N 72.82W 166–8 4.8b,4.1b
RSNC IV 12 11 28 04.0–1.4 7.17N 73.03W 167–5 4.9W,4.5L
ISC Event type se.
UPA Error ellipse: s-maj=233.4km s-min=999.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=2.2km az=70.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=8.9km s-min=7.1km az=87.0.
VAO Error ellipse: s-maj=7.6km s-min=5.1km az=-1.0.
RSNC Error ellipse: s-maj=2.8km s-min=4.0km az=-1.0.
ISC IV 13 22 09 05.3–.73 6.81N–.03 73.10W–.04 152–5 3.8b 75 0-154
IDC IV 13 22 09 06.4–1.2 6.72N 73.17W 164–13 4.0,3.2b **¶610652662**
RSNC IV 13 22 09 07.3–1.1 6.81N 73.16W 142–4 3.7W,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=31.9km s-min=16.4km az=125.0.
RSNC Error ellipse: s-maj=2.6km s-min=2.9km az=-1.0. Moment Tensor Solution. NP1:ϕ_s46.00000°,δ17.00000°,λ158.00000°.
ISC IV 14 12 27 13.4–.74 6.82N–.03 73.12W–.04 154–6 3.3b 77 0-150
IDC IV 14 12 27 13.3–1.4 6.71N 73.09W 156–14 3.8,3.2b **¶610652726**
RSNC IV 14 12 27 14.5–1.2 6.83N 73.13W 150–4 3.7L,3.2b
ISC Event type ke.
IDC Error ellipse: s-maj=29.7km s-min=17.6km az=121.0.
RSNC Error ellipse: s-maj=2.7km s-min=3.5km az=-1.0. Moment Tensor Solution. NP1:ϕ_s68.00000°,δ58.00000°,λ-144.00000°.
RSNC IV 14 18 28 22.9–.82 6.79N 73.14W 144–3 3.5W,3.2L
IDC IV 14 18 28 23.3–7.2 5.79N 76.58W 103–72 3.5,3.1b **¶615269811**
RSNC Error ellipse: s-maj=2.2km s-min=2.3km az=-1.0.
IDC Error ellipse: s-maj=91.1km s-min=36.9km az=69.0.
RSNC IV 16 21 20 56.1–1.1 6.82N 73.14W 148–4 3.6W,3.1L
¶615269939
RSNC Error ellipse: s-maj=2.5km s-min=3.0km az=-1.0. Moment Tensor Solution. NP1:
ϕ_s130.00000°,δ41.00000°,λ-82.00000°.

ISC IV 17 07 49 22.7–.36 6.79N–.03 73.06W–.04 152–3 4.4b 670 0-154
UPA IV 17 07 49 19.8–2.1 7.34N 72.72W 60–999 4.7W **¶610529050**
IDC IV 17 07 49 23.0–.53 6.76N 72.99W 152–4 4.4,3.8b
NEIC IV 17 07 49 23.0–1.9 6.74N–.05 73.00W–.06 152–6 4.4b,3.8b
VAO IV 17 07 49 22.5–.32 6.76N 73.04W 152 4.5b,3.8b
RSNC IV 17 07 49 24.6–.83 6.79N 73.14W 145–3 4.6W,4.6L
ISC Event type se.
UPA Error ellipse: s-maj=205.8km s-min=999.9km az=-1.0.
IDC Error ellipse: s-maj=12.7km s-min=8.7km az=67.0.
NEIC Event type se. Error ellipse: s-maj=9.7km s-min=5.3km az=54.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Error ellipse: s-maj=6.0km s-min=5.2km az=-1.0.
RSNC Error ellipse: s-maj=1.8km s-min=2.2km az=-1.0. Moment Tensor Solution. NP1:ϕ_s1.00000°,δ41.00000°,λ16.00000°.
ISC IV 17 18 07 54.2–.81 6.84N–.05 73.08W–.05 149–6 3.1b 41 0-150
IDC IV 17 18 07 54.4–1.6 6.68N 72.99W 165–15 3.6,2.9b **¶610652936**
RSNC IV 17 18 07 56.2–1.0 6.78N 73.14W 142–4 3.8W,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=32.0km s-min=20.8km az=122.0.
RSNC Error ellipse: s-maj=3.0km s-min=3.5km az=-1.0.
ISC IV 19 13 28 00.7–.92 6.81N–.03 73.07W–.04 151–6 73 0-63
IDC IV 19 13 28 01.5–1.8 6.60N 72.99W 170–56 3.6,2.9b **¶610653051**
RSNC IV 19 13 28 02.4–1.0 6.81N 73.14W 143–4 3.8W,3.2L
ISC Event type ke.
IDC Error ellipse: s-maj=95.0km s-min=25.0km az=159.0.
RSNC Error ellipse: s-maj=2.4km s-min=3.1km az=-1.0.
ISC IV 25 07 57 45.8–1.0 6.81N–.03 73.12W–.05 149–6 67 0-150
IDC IV 25 07 57 47.4–7.0 6.75N 75.77W 127–83 3.4,2.9b **¶610649963**
RSNC IV 25 07 57 47.0–.89 6.80N 73.14W 146–3 2.9L,2.9b
ISC Event type ke.
IDC Error ellipse: s-maj=180.4km s-min=44.5km az=78.0.
RSNC Error ellipse: s-maj=2.2km s-min=2.6km az=-1.0.
RSNC IV 25 08 43 19.9–.72 6.77N 73.09W 146–5 1.5L
¶615270328
RSNC Error ellipse: s-maj=6.7km s-min=4.0km az=-1.0.
ISC IV 26 07 59 41.0–.75 6.86N–.03 73.03W–.04 153–6 3.5b 76 0-149
IDC IV 26 07 59 41.5–1.4 6.68N 73.01W 167–20 3.9,3.3b **¶610650036**
RSNC IV 26 07 59 42.8–1.1 6.84N 73.14W 147–4 3.9W,3.4L
ISC Event type ke.
IDC Error ellipse: s-maj=36.2km s-min=22.2km az=140.0.
RSNC Error ellipse: s-maj=2.6km s-min=3.3km az=-1.0. Moment Tensor Solution. NP1:ϕ_s49.00000°,δ38.00000°,λ-22.00000°.
ISC IV 27 06 13 39.9–.66 6.83N–.03 73.12W–.04 155–6 3.9b 99 1-78
NEIC IV 27 06 13 39.9–2.0 6.96N–.06 73.02W–.05 146–11 4.1b **¶610650109**
IDC IV 27 06 13 40.6–1.7 6.63N 72.99W 175–82 4.0,3.4b
RSNC IV 27 06 13 40.4–.94 6.82N 73.13W 156–4 3.7L,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=4.9km az=219.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=142.3km s-min=21.7km az=158.0.
RSNC Error ellipse: s-maj=2.2km s-min=2.7km az=-1.0. Moment Tensor Solution. NP1:ϕ_s85.00000°,δ73.00000°,λ-174.00000°.
ISC IV 28 02 34 15.8–1.1 7.88N–.02 72.77W–.04 15–7 4.1b 99 1-151
IDC IV 28 02 34 13.1–.61 7.93N 72.67W 0 3.8,3.8b **¶610598464**
RSNC IV 28 02 34 17.7–.90 7.77N 72.78W 0–3 3.9W,3.6L
NEIC IV 28 02 34 20.3–1.8 7.89N–.06 72.80W–.06 47–10 4.3b,3.6L
ISC Event type se.
RSNC Moment Tensor Solution. NP1:ϕ_s110.00000°,δ82.00000°,λ-22.00000°.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 28 08 07 01.3–.78 6.83N–.03 73.11W–.04 157–6 3.6b 83 1-150
IDC IV 28 08 07 01.9–1.4 6.74N 72.95W 167–15 4.0,3.4b **¶610650204**
RSNC IV 28 08 07 02.6–.87 6.78N 73.14W 151–3 4.1W,3.7L
ISC Event type ke.
IDC Error ellipse: s-maj=28.5km s-min=19.0km az=124.0.
RSNC Error ellipse: s-maj=1.9km s-min=2.5km az=-1.0. Moment Tensor Solution. NP1:ϕ_s30.00000°,δ83.00000°,λ-22.00000°.
ISC IV 28 10 39 03.0–1.0 6.86N–.04 73.07W–.05 153–7 39 1-150
RSNC IV 28 10 39 04.8–1.5 6.81N 73.08W 146–8 2.8L **¶610650218**
IDC IV 28 10 39 07.0–4.5 6.80N 73.84W 173–25 3.2,2.8b
ISC Event type ke.
RSNC Error ellipse: s-maj=4.3km s-min=4.8km az=-1.0.
IDC Error ellipse: s-maj=188.0km s-min=37.2km az=93.0.
ISC IV 30 15 01 19.0–.53 6.83N–.03 73.07W–.04 155–5 4.2b 139 1-154
IDC IV 30 15 01 19.9–1.6 6.75N 72.97W 164–15 4.0,3.4b **¶610650423**
NEIC IV 30 15 01 19.2–1.6 6.93N–.06 73.01W–.07 146–7 4.3b,3.4b
RSNC IV 30 15 01 20.8–1.2 6.83N 73.12W 147–5 4.3W,4.0L
ISC Event type se.
IDC Error ellipse: s-maj=17.8km s-min=15.0km az=55.0.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=8.5km az=65.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSNC Error ellipse: s-maj=2.6km s-min=3.5km az=-1.0. Moment Tensor Solution. NP1:ϕ_s0.00000°,δ19.00000°,λ98.00000°.
ISC V 01 21 22 00.8–1.2 7.25N–.03 73.50W–.04 28–12 37 0-150
IDC V 01 21 21 58.1–8.9 7.53N 73.72W 0 3.4,3.3b **¶610689342**
RSNC V 01 21 22 02.1–1.6 7.19N 73.43W 32–5 3.3W,3.0L
ISC Event type ke.
IDC Error ellipse: s-maj=510.2km s-min=26.3km az=94.0.
RSNC Error ellipse: s-maj=5.5km s-min=3.7km az=-1.0.
ISC V 03 16 45 38.2–.92 6.87N–.02 76.33W–.02 12–6 3.6b,3.4s 117 0-154
IDC V 03 16 45 36.9–.83 7.08N 76.60W 0 3.6,3.5b **¶610593968**
NEIC V 03 16 45 37.9–1.5 6.89N–.06 76.32W–.06 8–1 4.3b,3.5b
RSNC V 03 16 45 38.8–.90 6.84N 76.31W 0–3 4.2W,3.6L
UPA V 03 16 45 38.1–2.1 6.69N 76.43W 0–187 4.5W,3.6L
ISC Event type se.
IDC Error ellipse: s-maj=33.2km s-min=17.5km az=50.0.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=5.2km az=223.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSNC Error ellipse: s-maj=1.8km s-min=1.8km az=-1.0. Moment Tensor Solution. NP1:ϕ_s0.00000°,δ73.00000°,λ-2.00000°.
UPA Error ellipse: s-maj=140.6km s-min=255.2km az=-1.0.
ISC V 03 23 50 02.7–1.1 7.25N–.02 76.25W–.03 9–8 58 0-148
IDC V 03 23 49 58.7–5.9 7.39N 71.58W 70–51 4.0,3.6b **¶615270698**
RSNC V 03 23 50 03.8–1.5 7.20N 76.25W 0–4 4.0W,3.4L
ISC Event type ke.
IDC Error ellipse: s-maj=44.1km s-min=24.6km az=68.0.
RSNC Error ellipse: s-maj=3.2km s-min=4.4km az=-1.0.
RSNC V 04 05 45 14.8–1.2 6.86N 73.12W 157–6 3.5W,3.0L
¶615270712
RSNC Error ellipse: s-maj=3.5km s-min=4.0km az=-1.0.
RSNC V 06 22 53 13.6–.98 6.82N 73.18W 149–5 3.6W,3.0L
¶615270825
RSNC Error ellipse: s-maj=2.6km s-min=3.1km az=-1.0.
ISC V 07 02 10 07.2–.54 6.80N–.03 73.07W–.04 156–5 4.3b 208 1-150
NEIC V 07 02 10 07.7–1.5 6.87N–.07 73.08W–.07 151–8 4.3b **¶610617816**
IDC V 07 02 10 07.5–1.5 6.81N 72.87W 161–14 4.2,3.7b
RSNC V 07 02 10 08.3–.97 6.81N 73.11W 153–4 4.4W,4.2L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=10.0km az=105.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=15.3km s-min=12.4km az=85.0.
RSNC Error ellipse: s-maj=1.9km s-min=2.6km az=-1.0. Moment Tensor Solution. NP1:
ϕ_s104.00000°,δ42.00000°,λ-102.00000°.
ISC V 12 02 57 09.5–1.2 6.99N–.02 74.06W–.03 8–9 51 0-150
IDC V 12 02 57 08.1–1.3 6.82N 75.42W 0 3.6s,3.6b **¶610690093**
RSNC V 12 02 57 10.7–1.0 7.01N 74.08W 2–4 3.4W,3.2L

ISC Event type ke.
IDC Error ellipse: s-maj=95.2km s-min=23.5km az=65.0.
RSNC Error ellipse: s-maj=3.2km s-min=2.2km az=-1.0.
ISC V 13 03 46 02.6–.85 6.83N–.03 73.09W–.04 152–6 64 1-150
IDC V 13 03 46 02.8–.70 6.74N 72.99W 154–10 3.9,3.2s ¶610690168
RSNC V 13 03 46 03.9–1.2 6.79N 73.13W 148–5 3.8W,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=33.0km s-min=7.3km az=132.0.
RSNC Error ellipse: s-maj=3.1km s-min=3.6km az=-1.0. Moment Tensor Solution. NP1:ϕs38.00000°,δ69.00000°,λ38.00000°.
RSNC V 14 04 29 26.5–.67 6.75N 73.11W 138–5 1.5L ¶616652079
RSNC Error ellipse: s-maj=5.5km s-min=3.3km az=-1.0.
RSNC V 17 02 52 09.0–.96 6.85N 73.13W 151–5 3.6W,3.1L ¶615271258
RSNC Error ellipse: s-maj=3.3km s-min=3.3km az=-1.0.
RSNC V 19 11 05 44.5–1.0 6.80N 73.15W 147–5 3.7W,3.1L ¶615271327
RSNC Error ellipse: s-maj=2.6km s-min=3.5km az=-1.0.
ISC V 20 04 44 40.6–1.1 6.81N–.05 73.07W–.05 157–7 44 1-150
IDC V 20 04 44 42.6–6.5 6.77N 73.21W 168–41 3.3,2.6b ¶610685009
RSNC V 20 04 44 43.2–1.1 6.80N 73.14W 144–5 3.6W,3.2L
ISC Event type ke.
IDC Error ellipse: s-maj=171.8km s-min=46.0km az=99.0.
RSNC Error ellipse: s-maj=3.1km s-min=3.3km az=-1.0.
RSNC V 20 15 56 22.6–1.1 6.79N 73.14W 142–5 3.8W,3.3L ¶615271360
RSNC Error ellipse: s-maj=3.5km s-min=3.9km az=-1.0.
RSNC V 23 13 52 25.5–.92 6.80N 73.12W 156–4 3.9W,3.5L ¶615272418
RSNC Error ellipse: s-maj=2.3km s-min=2.9km az=-1.0.
ISC V 24 00 55 46.4–.58 6.84N–.03 73.05W–.04 158–5 4.2b 193 1-150
IDC V 24 00 55 45.7–.67 6.69N 72.94W 160–7 4.0,3.5b ¶610650861
NEIC V 24 00 55 46.7–2.1 6.82N–.07 73.01W–.06 155–5 4.3b,3.5b
RSNC V 24 00 55 47.6–1.6 6.85N 73.13W 153–7 4.3W,3.8L
ISC Event type se.
IDC Error ellipse: s-maj=15.6km s-min=7.7km az=131.0.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=8.8km az=160.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSNC Error ellipse: s-maj=3.4km s-min=4.8km az=-1.0. Moment Tensor Solution. NP1: ϕs122.00000°,δ43.00000°,λ158.00000°.
ISC V 24 02 15 58.5–.56 6.82N–.03 73.05W–.04 153–5 4.3b 189 1-150
IDC V 24 02 15 59.7–.66 6.81N 72.95W 162–7 4.0,3.4b ¶610685260
NEIC V 24 02 15 59.4–2.5 6.83N–.07 73.09W–.07 150–8 4.4b,3.4b
RSNC V 24 02 16 00.1–1.2 6.82N 73.11W 155–5 4.2W,4.0L
VAO V 24 02 16 03.8–.85 6.35N 72.73W 136–9 4.0b,4.0L
ISC Event type se.
IDC Error ellipse: s-maj=14.6km s-min=7.6km az=127.0.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=9.6km az=177.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSNC Error ellipse: s-maj=2.5km s-min=3.1km az=-1.0.
VAO Error ellipse: s-maj=5.2km s-min=4.6km az=-1.0.
ISC V 24 21 14 13.8–.83 6.82N–.03 73.05W–.04 153–7 60 1-150
IDC V 24 21 14 14.0–1.2 6.71N 72.84W 172–13 3.9,3.1b ¶610685320
RSNC V 24 21 14 15.7–1.5 6.80N 73.17W 148–7 3.8W,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=34.5km s-min=14.2km az=131.0.
RSNC Error ellipse: s-maj=3.5km s-min=5.0km az=-1.0.
ISC V 25 23 25 59.4–.80 6.86N–.03 73.07W–.04 155–7 3.8b 79 1-150
IDC V 25 23 26 00.0–.70 6.85N 73.02W 158–11 4.0,3.3b ¶610685395
RSNC V 25 23 26 00.7–.91 6.82N 73.13W 154–4 3.9W,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=31.1km s-min=7.4km az=133.0.
RSNC Error ellipse: s-maj=3.2km s-min=3.3km az=-1.0. Moment Tensor Solution. NP1: ϕs114.00000°,δ67.00000°,λ58.00000°.
ISC V 26 21 02 35.9–.81 6.85N–.03 73.11W–.05 160–6 3.7b 51 1-150
IDC V 26 21 02 36.3–.71 6.73N 72.87W 165–8 4.0,3.3b ¶610685454
RSNC V 26 21 02 37.9–1.0 6.82N 73.16W 149–5 3.9W,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=32.8km s-min=7.7km az=133.0.
RSNC Error ellipse: s-maj=3.5km s-min=3.9km az=-1.0.
ISC V 27 12 15 47.2–.45 6.81N–.03 73.08W–.04 159–4 4.7b 591 1-154
IDC V 27 12 15 47.2–.46 6.73N 72.97W 162–4 4.4,3.9b ¶610655139
UPA V 27 12 15 47.7–1.3 6.86N 73.12W 65–999 4.8W,3.9b
NEIC V 27 12 15 48.1–1.8 6.80N–.07 73.02W–.07 155–8 4.7b,3.9b
RSNC V 27 12 15 48.2–1.5 6.82N 73.14W 154–7 4.9W,4.6L
ISC Event type se.
IDC Error ellipse: s-maj=9.1km s-min=6.3km az=117.0.
UPA Error ellipse: s-maj=100.7km s-min=399.6km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=9.8km az=93.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSNC Error ellipse: s-maj=3.9km s-min=6.1km az=-1.0. Moment Tensor Solution. NP1: ϕs124.00000°,δ62.00000°,λ-162.00000°.
ISC V 28 12 00 59.6–.80 6.84N–.03 73.08W–.04 153–7 65 1-150
IDC V 28 12 00 58.9–.71 6.72N 72.98W 155–10 3.9,3.2b ¶610685553
RSNC V 28 12 01 00.7–1.4 6.85N 73.11W 146–6 3.8W,3.4L
ISC Event type ke.
IDC Error ellipse: s-maj=27.1km s-min=7.4km az=134.0.
RSNC Error ellipse: s-maj=4.2km s-min=4.8km az=-1.0. Moment Tensor Solution. NP1:ϕs28.00000°,δ35.00000°,λ-162.00000°.
RSNC V 31 10 23 28.0–1.1 6.83N 73.12W 151–5 3.7W,3.3L ¶615273914
RSNC Error ellipse: s-maj=2.6km s-min=3.8km az=-1.0.
ISC V 31 20 31 24.3–.93 6.79N–.03 73.12W–.05 158–7 54 1-150
RSNC V 31 20 31 25.9–.93 6.79N 73.16W 151–4 3.8W,3.5L ¶610685815
IDC V 31 20 31 26.7–4.0 6.68N 73.41W 172–27 3.7,3.3s
ISC Event type ke.
RSNC Error ellipse: s-maj=2.4km s-min=3.1km az=-1.0.
IDC Error ellipse: s-maj=83.9km s-min=31.2km az=85.0.
ISC VI 02 08 27 42.3–1.1 6.86N–.03 73.07W–.05 148–7 62 1-150
RSNC VI 02 08 27 43.7–.96 6.82N 73.13W 144–5 3.6W,3.3L ¶615274268
IDC VI 02 08 27 45.9–7.3 5.48N 76.54W 108–81 3.7,2.2L
ISC Event type ke.
RSNC Error ellipse: s-maj=2.7km s-min=3.8km az=-1.0.
IDC Error ellipse: s-maj=309.6km s-min=75.8km az=19.0.
RSNC VI 02 18 09 31.3–1.3 6.86N 73.10W 151–7 3.8W,3.3L ¶615274278
RSNC Error ellipse: s-maj=3.9km s-min=4.9km az=-1.0.
ISC VI 04 04 41 58.8–1.9 6.80N–.05 73.07W–.06 149–14 20 1-4
FUNV VI 04 04 41 59.4 6.44N 72.70W 4 2.7W ¶613519393
RSNC VI 04 04 42 00.4–.84 6.75N 73.10W 145–5 1.7L
ISC Event type ke.
RSNC Error ellipse: s-maj=4.0km s-min=4.5km az=-1.0.
ISC VI 09 10 50 38.0–.61 6.82N–.03 73.11W–.04 155–5 4.1b 160 1-152
IDC VI 09 10 50 38.3–.74 6.77N 73.00W 163–10 4.1,3.4b ¶610791534
RSNC VI 09 10 50 38.1–1.4 6.84N 73.12W 156–6 4.0W,3.7L
NEIC VI 09 10 50 38.0–2.0 6.84N–.06 73.05W–.07 144–6 4.2b,3.7L
ISC Event type ke.
RSNC Moment Tensor Solution. NP1:ϕs100.00000°,δ38.00000°,λ-150.00000°.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 09 18 14 51.0–1.0 6.19N–.03 73.72W–.03 117–7 43 1-150
RSNC VI 09 18 14 51.7–1.4 6.20N 73.72W 114–7 3.7W,3.4L ¶610791549
IDC VI 09 18 14 51.9–3.9 6.09N 73.65W 132–52 3.8,3.4L
ISC Event type ke.
RSNC Error ellipse: s-maj=3.9km s-min=3.4km az=-1.0.
IDC Error ellipse: s-maj=427.5km s-min=21.7km az=129.0.
RSNC VI 10 11 40 09.6–1.1 6.84N 73.16W 148–6 3.7W,3.1L ¶615281876
RSNC Error ellipse: s-maj=3.4km s-min=3.1km az=-1.0. Moment Tensor Solution. NP1:ϕs15.00000°,δ25.00000°,λ22.00000°.
ISC VI 13 01 33 47.9–.78 7.75N–.03 75.55W–.03 50–6 3.7b 79 0-149
UPA VI 13 01 33 49.9–1.3 7.93N 75.77W 6–49 4.2W ¶610791750
IDC VI 13 01 33 49.1–2.8 7.77N 75.46W 63–26 3.9,3.4b
RSNC VI 13 01 33 50.1–.98 7.71N 75.53W 42–4 3.6W,3.5L
ISC Event type ke.
UPA Error ellipse: s-maj=20.2km s-min=57.5km az=-1.0.
IDC Error ellipse: s-maj=24.6km s-min=13.0km az=108.0.
RSNC Error ellipse: s-maj=2.1km s-min=2.3km az=-1.0. Moment Tensor Solution. NP1:ϕs56.00000°,δ55.00000°,λ-42.00000°.
ISC VI 18 06 23 20.5–.93 6.86N–.03 73.11W–.04 162–7 51 1-150
IDC VI 18 06 23 20.4–.92 6.86N 73.07W 159–13 4.2,3.6b ¶610792103
RSNC VI 18 06 23 21.3–1.5 6.88N 73.13W 158–8 3.9W,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=51.6km s-min=8.1km az=132.0.
RSNC Error ellipse: s-maj=3.5km s-min=4.1km az=-1.0. Moment Tensor Solution. NP1:ϕs47.00000°,δ78.00000°,λ157.00000°.
ISC VI 18 09 22 18.6–1.2 6.36N–.02 76.59W–.03 9–9 3.7b 57 1-77
IDC VI 18 09 22 14.3–2.6 6.27N 77.11W 0 3.7,3.5b ¶610792111
RSNC VI 18 09 22 20.9–1.2 6.38N 76.54W 1–4 3.9W,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=59.1km s-min=35.0km az=67.0.
RSNC Error ellipse: s-maj=2.0km s-min=2.1km az=-1.0.
RSNC VI 18 09 36 51.3–1.3 6.83N 76.32W 0–5 3.6W,3.2L ¶615283259
RSNC Error ellipse: s-maj=2.3km s-min=2.5km az=-1.0. Moment Tensor Solution. NP1: ϕs148.00000°,δ38.00000°,λ-82.00000°.
ISC VI 19 00 27 15.4–1.1 7.97N–.04 72.29W–.03 9–7 30 0-6
FUNV VI 19 00 27 16.3 7.97N 72.30W 5 3.1W ¶613519473
RSNC VI 19 00 27 17.6–1.3 8.03N 72.41W 0–7 2.3L
ISC Event type ke.
RSNC Error ellipse: s-maj=4.6km s-min=4.9km az=-1.0.
RSNC VI 19 01 23 07.1–1.3 6.82N 73.14W 152–6 3.7W,3.4L ¶615283282
RSNC Error ellipse: s-maj=3.2km s-min=3.2km az=-1.0.
ISC VI 19 16 13 14.2–.76 8.22N–.03 73.40W–.04 156–7 3.7b 67 1-151
NEIC VI 19 16 13 13.9–1.1 8.49N–.09 73.49W–.10 159–15 4.4b ¶610792200
IDC VI 19 16 13 13.7–5.4 8.33N 73.07W 133–41 3.8,3.4b
RSNC VI 19 16 13 16.8–.96 8.21N 73.40W 135–6 3.7W,3.5L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.2km s-min=12.4km az=123.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=55.9km s-min=38.0km az=150.0.
RSNC Error ellipse: s-maj=2.2km s-min=3.3km az=-1.0. Moment Tensor Solution. NP1:ϕs37.00000°,δ70.00000°,λ-102.00000°.
RSNC VI 20 17 17 38.1–1.1 9.60N 73.59W 100–5 3.6W,3.2L ¶615283358
RSNC Error ellipse: s-maj=2.8km s-min=3.8km az=-1.0.
ISC VI 23 16 21 24.3–1.3 7.83N–.03 72.65W–.03 8–10 63 0-151
RSNC VI 23 16 21 25.6–.98 7.78N 72.63W 2–6 3.3W,3.0L ¶610789348
FUNV VI 23 16 21 26.5 7.78N 72.69W 5 3.9W,3.0L
IDC VI 23 16 21 33.7–1.3 7.62N 72.21W 107–14 3.8,3.0L
ISC Event type ke.
RSNC Error ellipse: s-maj=2.8km s-min=7.8km az=-1.0.
IDC Error ellipse: s-maj=53.0km s-min=9.7km az=136.0.
ISC VI 26 14 49 15.5–1.1 6.85N–.03 73.11W–.04 148–7 52 0-150
IDC VI 26 14 49 13.8–3.5 7.01N 73.27W 160–38 3.8 ¶610789513
RSNC VI 26 14 49 16.0–1.3 6.79N 73.14W 150–6 3.3W,3.0L
ISC Event type ke.
IDC Error ellipse: s-maj=181.5km s-min=7.8km az=131.0.
RSNC Error ellipse: s-maj=4.5km s-min=3.8km az=-1.0.
ISC VI 29 11 21 53.4–.91 6.04N–.04 71.94W–.04 52–10 3.5b 43 0-64
RSNC VI 29 11 21 52.3–1.5 5.97N 72.07W 0–6 3.6W,3.4L ¶610789715
IDC VI 29 11 21 56.0–1.1 6.00N 71.81W 84–13 3.8,3.3b
ISC Event type ke.
RSNC Error ellipse: s-maj=3.1km s-min=4.5km az=-1.0.
IDC Error ellipse: s-maj=16.8km s-min=8.1km az=134.0.
ISC VI 30 02 56 43.5–.77 6.83N–.03 73.07W–.04 153–6 3.3b 89 0-150
IDC VI 30 02 56 44.0–.70 6.66N 72.90W 156–7 3.8,3.3b ¶610789750
RSNC VI 30 02 56 45.9–.74 6.77N 73.14W 142–3 3.8W,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=29.2km s-min=7.4km az=133.0.
RSNC Error ellipse: s-maj=1.8km s-min=1.8km az=-1.0. Moment Tensor Solution. NP1:ϕs32.00000°,δ20.00000°,λ98.00000°.
ISC VI 30 13 32 30.6–1.1 6.83N–.03 73.10W–.04 150–7 58 0-150
RSNC VI 30 13 32 30.9–1.3 6.84N 73.12W 151–5 3.6W,3.3L ¶610789790
IDC VI 30 13 32 37.9–5.5 6.33N 74.80W 185–168 3.6W,3.3L
ISC Event type ke.
RSNC Error ellipse: s-maj=3.2km s-min=3.1km az=-1.0.
IDC Error ellipse: s-maj=1043.0km s-min=98.5km az=84.0.
ISC VI 30 16 29 30.9–1.4 7.84N–.04 72.05W–.04 1–12 18 0-4
FUNV VI 30 16 29 31.4 7.77N 72.10W 6 2.9W ¶613519510
RSNC VI 30 16 29 35.1–1.1 7.73N 72.18W 0–8 1.8L
ISC Event type ke.
RSNC Error ellipse: s-maj=3.8km s-min=4.6km az=-1.0.
RSNC VI 30 18 39 01.1–1.3 6.80N 73.15W 141–5 3.5W,3.1L ¶615283775
RSNC Error ellipse: s-maj=3.1km s-min=3.0km az=-1.0.

(100) Lake Maracaibo.

ISC I 08 03 14 22.2–1.7 10.48N–.05 71.40W–.03 6–13 22 1-4
FUNV I 08 03 14 22.7 10.50N 71.43W 5 3.3W ¶613522402
ISC Event type ke.
ISC VI 02 15 04 23.4–2.1 10.12N–.06 71.80W–.04 9–16 24 1-6
FUNV VI 02 15 04 25.1 10.12N 71.83W 19 3.7W ¶613519388
ISC Event type ke.

(101) Venezuela.

FUNV I 01 02 30 01.0 8.27N 61.65W 5 3.5W ¶613522384
ISC I 03 22 36 53.7–1.5 8.77N–.04 71.20W–.05 3–14 18 1-5
FUNV I 03 22 36 55.4 8.70N 71.24W 5 2.7W ¶613522390
ISC Event type ke.
ISC I 04 19 58 08.4–2.3 8.45N–.04 71.75W–.03 14–17 46 1-7
FUNV I 04 19 58 09.6 8.51N 71.81W 5 3.7W ¶613522396
ISC Event type ke.
ISC I 09 01 41 29.4–1.4 7.18N–.03 71.92W–.03 4–11 38 1-6
RSNC I 09 01 41 28.6–.82 7.27N 71.89W 0–7 2.4L ¶613522406
FUNV I 09 01 41 30.9 7.17N 71.99W 7 3.3W
ISC Event type ke.
RSNC Error ellipse: s-maj=7.2km s-min=6.6km az=-1.0.
ISC I 09 05 15 14.9–1.4 9.20N–.03 70.11W–.03 0–11 45 1-5
FUNV I 09 05 15 16.1 9.23N 70.15W 5 3.2W ¶613522407
ISC Event type ke.
ISC I 12 14 44 53.7–1.2 7.11N–.03 71.84W–.03 7–10 55 1-6
RSNC I 12 14 44 54.9–.79 7.14N 71.89W 4–5 3.5W,3.1L ¶613522417
FUNV I 12 14 44 55.7 7.05N 71.86W 5 3.8W,3.1L
ISC Event type ke.
RSNC Error ellipse: s-maj=4.7km s-min=5.0km az=-1.0.
ISC I 15 21 39 24.3–1.6 8.92N–.06 70.82W–.06 4–12 18 1-4
FUNV I 15 21 39 24.7 8.91N 70.87W 3 2.6W ¶613522423
ISC Event type ke.
ISC I 17 03 34 33.5–1.4 8.27N–.03 71.81W–.03 4–12 35 1-5
FUNV I 17 03 34 34.9 8.28N 71.86W 5 3.0W ¶613522428
RSNC I 17 03 34 37.3–1.3 8.27N 71.90W 0–7 2.2L
ISC Event type ke.
RSNC Error ellipse: s-maj=4.8km s-min=9.3km az=-1.0.
ISC I 26 01 05 42.5–1.1 8.14N–.04 70.96W–.03 10–8 43 0-5

FUNV I 26 01 05 44.0 8.17N 71.03W 5 3.7W ¶613522450
ISC Event type ke.
ISC I 31 04 59 39.0–1.3 9.61N–.04 70.55W–.03 25–15 24 1-5
FUNV I 31 04 59 39.2 9.63N 70.63W 13 3.1W ¶613522475
ISC Event type ke.
ISC II 11 19 40 17.6–.87 10.06N–.03 69.93W–.02 11–6 52 0-8
FUNV II 11 19 40 18.7 10.09N 69.96W 2 3.7W ¶613522503
ISC Event type ke.
ISC II 18 05 40 34.7–1.6 8.40N–.06 71.82W–.04 10–12 26 1-4
FUNV II 18 05 40 36.0 8.36N 71.79W 5 2.9W ¶613522523
ISC Event type ke.
ISC II 21 23 58 41.4–1.1 9.77N–.03 72.87W–.04 25–13 20 0-5
RSNC II 21 23 58 41.4–1.3 9.82N 72.86W 0–7 2.2L ¶613522529
FUNV II 21 23 58 42.7 9.88N 72.89W 20 3.0W
ISC Event type ke.
RSNC Error ellipse: s-maj=4.1km s-min=4.9km az=-1.0.
FUNV II 24 16 10 59.1 9.96N 67.21W 5 2.3W
¶613522537
ISC II 27 12 14 20.2–1.2 9.20N–.10 63.39W–.05 22 33 1-7
TRN II 27 12 14 18.7 9.05N 63.25W 172 4.4 ¶613522545
FUNV II 27 12 14 20.2 9.21N 63.34W 12 4.0W
ISC Event type ke.
ISC III 01 06 44 03.0–2.6 8.06N–.07 71.98W–.05 7–19 21 0-5
FUNV III 01 06 44 05.4 8.08N 72.01W 13 3.0W ¶613522555
RSNC III 01 06 44 05.2–.49 8.02N 72.03W 0–5 1.6L
ISC Event type ke.
RSNC Error ellipse: s-maj=5.4km s-min=4.0km az=-1.0.
ISC III 05 05 38 43.9–1.1 10.46N–.03 72.46W–.03 16–8 80 0-153
FUNV III 05 05 38 44.6 10.40N 72.46W 5 3.9W ¶613522569
RSNC III 05 05 38 45.0–.78 10.39N 72.53W 4–4 3.5W,3.5L
ISC Event type ke.
RSNC Error ellipse: s-maj=1.7km s-min=2.5km az=-1.0.
ISC III 09 03 14 46.7–1.7 8.38N–.06 71.79W–.05 8–13 24 1-4
FUNV III 09 03 14 47.9 8.07N 71.72W 5 2.7W ¶613522579
ISC Event type ke.
ISC III 10 10 55 09.8–1.6 8.57N–.06 71.27W–.04 2–13 24 0-5
FUNV III 10 10 55 10.7 8.50N 71.29W 4 3.0W ¶613522586
ISC Event type ke.
ISC III 12 08 31 36.3–1.3 7.59N–.06 71.95W–.03 33–10 18 0-5
FUNV III 12 08 31 36.6 8.33N 72.15W 6 2.7W ¶613522598
RSNC III 12 08 31 39.3–.77 7.47N 72.01W 0–7 2.0L
ISC Event type ke.
RSNC Error ellipse: s-maj=7.2km s-min=5.5km az=-1.0.
ISC III 12 10 03 21.9–1.2 8.62N–.03 71.57W–.03 6–11 36 1-5
FUNV III 12 10 03 23.8 8.49N 71.60W 5 3.3W ¶613522599
ISC Event type ke.
ISC III 12 10 08 08.1–1.6 8.37N–.07 71.32W–.04 7–13 19 0-4
FUNV III 12 10 08 08.5 8.38N 71.36W 3 2.7W ¶613522600
ISC Event type ke.
ISC III 21 00 02 48.0–1.0 8.46N–.03 72.87W–.05 177–8 51 1-151
IDC III 21 00 02 43.7–3.1 9.10N 73.34W 89–32 3.5,3.2b ¶610543365
RSNC III 21 00 02 48.0–.96 8.44N 72.90W 180–5 3.4W,3.0L
ISC Event type ke.
IDC Error ellipse: s-maj=42.3km s-min=22.3km az=158.0.
RSNC Error ellipse: s-maj=2.7km s-min=4.5km az=-1.0.
ISC III 27 00 35 20.4–1.3 10.29N–.04 69.78W–.04 6–12 28 0-8
FUNV III 27 00 35 21.1 10.29N 69.93W 17 3.3W ¶613522666
ISC Event type ke.
ISC III 27 12 47 46.6–.87 10.54N–.04 72.45W–.03 17 28 1-5
RSNC III 27 12 47 47.3–.94 10.42N 72.54W 9–6 2.8W,2.8L ¶613522670
FUNV III 27 12 47 51.1 10.42N 72.18W 5 3.4W,2.8L
ISC Event type ke.
RSNC Error ellipse: s-maj=2.9km s-min=3.6km az=-1.0.
ISC IV 03 00 08 59.1–1.2 9.79N–.04 72.99W–.03 14–11 31 1-5
FUNV IV 03 00 08 58.5 9.75N 73.07W 2 3.2W ¶613522693
RSNC IV 03 00 09 02.6–1.6 9.75N 73.06W 4–7 2.3L
ISC Event type ke.
RSNC Error ellipse: s-maj=4.7km s-min=6.0km az=-1.0.
ISC IV 03 03 44 10.9–1.4 9.75N–.04 72.98W–.04 12–13 19 1-4
FUNV IV 03 03 44 12.0 9.66N 72.92W 5 3.0W ¶613522694
RSNC IV 03 03 44 14.0–1.0 9.81N 73.00W 0–6 1.9L
ISC Event type ke.
RSNC Error ellipse: s-maj=3.6km s-min=5.9km az=-1.0.
ISC IV 04 15 09 05.9–.77 10.45N–.03 72.74W–.03 30–5 4.0b 96 0-152
NEIC IV 04 15 09 05.3–2.0 10.31N–.06 72.6W–.10 10–2 4.1b ¶610651928
RSNC IV 04 15 09 05.8–.71 10.40N 72.77W 5–4 3.8W,3.7L
FUNV IV 04 15 09 06.1 10.40N 72.78W 20 4.2W,3.7L
IDC IV 04 15 09 08.1–3.4 10.54N 72.39W 64–29 3.9,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.9km s-min=9.9km az=281.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSNC Error ellipse: s-maj=2.4km s-min=2.1km az=-1.0.
IDC Error ellipse: s-maj=30.1km s-min=18.3km az=144.0.
ISC IV 07 06 40 00.8–1.6 8.44N–.10 71.39W–.05 7–13 13 1-3
FUNV IV 07 06 40 00.8 8.42N 71.39W 1 2.7W ¶613522704
ISC Event type ke.
ISC IV 08 09 25 39.2–3.4 8.93N–.06 71.08W–.06 13–25 17 1-6
FUNV IV 08 09 25 40.4 8.95N 71.11W 11 3.0W ¶613522718
ISC Event type ke.
ISC IV 08 15 38 28.4–1.1 9.43N–.03 70.71W–.02 12–8 3.8b 96 1-154
FUNV IV 08 15 38 29.7 9.43N 70.77W 4 4.0W ¶610652237
IDC IV 08 15 38 33.8–2.2 9.40N 70.64W 64–21 3.9,3.4b
ISC Event type ke.
IDC Error ellipse: s-maj=20.7km s-min=13.4km az=154.0.
ISC IV 13 12 56 58.9–1.2 10.46N–.04 69.40W–.03 9–10 47 0-9
FUNV IV 13 12 57 01.0 10.43N 69.41W 5 3.8W ¶613522743
ISC Event type ke.
FUNV IV 13 22 10 04.5 9.87N 69.71W 5 3.8W
¶613522747
ISC IV 14 22 16 05.5–.26 8.37N–.03 72.76W–.04 180–2 4.6b 747 1-152
VAO IV 14 22 16 04.9–1.7 8.45N 72.92W 187–9 4.8b ¶610528178
IDC IV 14 22 16 05.4–.32 8.33N 72.63W 180–2 4.5,3.9b
NEIC IV 14 22 16 06.3–2.1 8.36N–.06 72.72W–.07 179–6 4.6b,3.9b
UPA IV 14 22 16 06.3–1.9 8.38N 72.80W 46–999 4.7W,3.9b
RSNC IV 14 22 16 07.3–.73 8.32N 72.96W 186–3 4.8W,4.8L
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s275.89108°,δ59.12074°,λ37.11228°. NP2: ϕ_s164.66858°,δ58.81183°,λ143.13446°. Principal axes: T Plg46.8097°,Azm130.4156° ; N Plg43.1897°,Azm310.0405°; P Plg0.1872°,Azm40.2162°
VAO Error ellipse: s-maj=13.0km s-min=7.7km az=-1.0.
IDC Error ellipse: s-maj=9.9km s-min=7.0km az=63.0.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=8.7km az=96.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
UPA Error ellipse: s-maj=76.8km s-min=999.9km az=-1.0.
RSNC Error ellipse: s-maj=2.0km s-min=3.3km az=-1.0. Moment Tensor Solution. NP1: ϕ_s194.00000°,δ56.00000°,λ144.00000°.
ISC IV 17 05 00 46.4–1.3 9.75N–.05 69.66W–.03 6–11 50 0-10
FUNV IV 17 05 00 47.9 9.84N 69.66W 4 3.8W ¶613522755
ISC Event type ke.
ISC IV 17 05 10 35.3–1.2 9.78N–.04 69.64W–.03 7–8 3.5b 66 0-62
IDC IV 17 05 10 35.6–1.8 10.02N 69.72W 0 3.8L,3.7 ¶610652912
FUNV IV 17 05 10 37.0 9.85N 69.64W 5 4.1W,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=38.1km s-min=27.8km az=151.0.
ISC IV 18 10 26 39.9–1.3 10.20N–.04 72.98W–.03 4–12 32 0-7
RSNC IV 18 10 26 41.9–1.1 10.13N 73.01W 2–5 2.7L ¶613522761
FUNV IV 18 10 26 42.6 10.16N 72.98W 13 3.7W
ISC Event type ke.
RSNC Error ellipse: s-maj=2.3km s-min=3.4km az=-1.0.
ISC IV 19 22 15 40.8–1.6 8.47N–.08 71.46W–.04 7–12 22 1-5
FUNV IV 19 22 15 41.5 8.45N 71.50W 5 3.1W ¶613522767
ISC Event type ke.
ISC IV 20 04 34 03.8–1.5 9.69N–.04 72.67W–.04 182–12 45 0-5
RSNC IV 20 04 34 06.0–.71 9.65N 72.74W 178–7 2.6L ¶613522770
FUNV IV 20 04 34 07.1 9.74N 72.69W 163 3.4W
ISC Event type ke.
RSNC Error ellipse: s-maj=3.2km s-min=8.6km az=-1.0.
ISC V 05 08 50 03.6–1.4 8.48N–.04 71.41W–.03 11–11 55 1-6
FUNV V 05 08 50 03.4 8.47N 71.49W 3 3.7W ¶613522802
ISC Event type ke.
ISC V 10 02 38 35.5–1.7 9.50N–.04 72.91W–.03 10–12 21 1-5
FUNV V 10 02 38 35.0 9.54N 72.99W 5 2.9W ¶613522825
RSNC V 10 02 38 36.5–.83 9.43N 72.90W 6–6 1.8L
ISC Event type ke.
RSNC Error ellipse: s-maj=3.8km s-min=4.0km az=-1.0.
ISC V 17 22 29 21.6–1.4 7.55N–.04 71.87W–.03 2–10 60 1-152
IDC V 17 22 29 22.5–1.6 7.77N 72.12W 0 3.5,3.2b ¶610690531
RSNC V 17 22 29 24.7–1.4 7.58N 71.95W 0–10 3.0L,3.2b
FUNV V 17 22 29 25.4 7.64N 71.97W 5 4.0W,3.2b
ISC Event type ke.
IDC Error ellipse: s-maj=41.6km s-min=14.8km az=149.0.
RSNC Error ellipse: s-maj=6.6km s-min=7.9km az=-1.0.
ISC V 21 10 51 29.7–1.4 9.85N–.06 63.45W–.05 27–15 65 0-7
FUNV V 21 10 51 29.7 9.79N 63.37W 12 4.1W ¶613522869
TRN V 21 10 51 29.2 9.69N 63.31W 137 4.3
ISC Event type ke.
ISC V 25 22 06 49.8–1.3 8.94N–.04 70.91W–.03 12–10 38 1-5
FUNV V 25 22 06 51.5 8.95N 70.87W 5 3.5W ¶613522894
ISC Event type ke.
ISC V 29 06 39 31.6–2.0 7.45N–.07 71.95W–.05 10–15 14 1-4
FUNV V 29 06 39 32.8 7.43N 71.98W 10 3.0W ¶613519364
RSNC V 29 06 39 34.6–.47 7.39N 72.13W 0–9 1.5L
ISC Event type ke.
RSNC Error ellipse: s-maj=9.7km s-min=6.8km az=-1.0.
ISC VI 01 22 30 06.1–1.3 8.57N–.04 70.60W–.03 10–10 43 0-6
FUNV VI 01 22 30 06.3 8.61N 70.67W 2 3.7W ¶613519385
ISC Event type ke.
ISC VI 12 11 09 03.5–2.3 7.99N–.04 70.88W–.03 8–17 34 1-4
FUNV VI 12 11 09 04.2 7.96N 70.93W 5 3.6W ¶613519434
ISC Event type ke.
ISC VI 17 02 39 25.2–1.2 8.04N–.03 71.95W–.03 4–9 3.8b 69 0-152
IDC VI 17 02 39 24.6–.88 8.16N 72.12W 0 3.8,3.7b ¶610792041
FUNV VI 17 02 39 26.8 7.99N 72.02W 1 4.3W,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=19.7km s-min=11.4km az=144.0.
ISC VI 18 01 35 20.3–1.2 10.52N–.04 72.67W–.03 17–9 26 0-5
FUNV VI 18 01 35 21.8 10.48N 72.62W 5 3.3W ¶613519468
RSNC VI 18 01 35 21.2–1.1 10.50N 72.72W 2–7 2.5L
ISC Event type ke.
RSNC Error ellipse: s-maj=3.4km s-min=8.7km az=-1.0.
ISC VI 19 03 30 57.1–1.3 7.74N–.04 71.99W–.03 16–10 44 0-5
FUNV VI 19 03 30 56.7 7.69N 72.01W 2 3.5W ¶613519474
RSNC VI 19 03 31 01.6–.81 8.05N 71.92W 107–13 2.5L
ISC Event type ke.
RSNC Error ellipse: s-maj=3.5km s-min=4.1km az=-1.0.
ISC VI 22 17 14 30.5–1.2 10.58N–.03 72.82W–.03 15–10 26 0-5
FUNV VI 22 17 14 33.0 10.54N 72.72W 5 3.4W ¶616640038
RSNC VI 22 17 14 34.3–1.7 10.60N 72.90W 16–6 2.4L
ISC Event type ke.
RSNC Error ellipse: s-maj=7.7km s-min=7.5km az=-1.0.
ISC VI 24 05 33 17.5–.73 8.49N–.03 71.48W–.02 10 37 1-4
FUNV VI 24 05 33 18.8 8.32N 71.46W 5 3.1W ¶613519491
ISC Event type ke.
ISC VI 29 09 56 49.4–1.5 8.50N–.06 71.43W–.03 3–13 29 1-5
FUNV VI 29 09 56 50.5 8.44N 71.40W 5 3.2W ¶613519506
ISC Event type ke.

(731) North of Honduras.

ISC I 17 20 06 50.4–2.4 16.39N–.09 87.4W–.10 35 23 2-4
INET I 17 20 06 50.7–1.4 16.34N 87.50W 15–16 3.5W ¶612453825
SNET I 17 20 06 51.1–.90 16.32N 87.51W 32–12 4.2L
ISC Event type ke.
INET Error ellipse: s-maj=7.8km s-min=8.7km az=-1.0.
SNET Error ellipse: s-maj=5.1km s-min=6.7km az=-1.0.
SSNC II 05 10 01 24.2–3.0 17.80N 81.43W 5–73 3.7
¶612509864
SSNC Error ellipse: s-maj=67.9km s-min=47.2km az=-1.0.
ISC II 09 22 14 58.6–.44 16.83N–.04 85.85W–.05 29 4.5b,3.5s 157 3-85
INET II 09 22 14 55.7–6.1 17.10N 85.58W 10 3.9W,3.5s ¶610207648
IDC II 09 22 14 55.0–1.0 16.78N 85.83W 0 4.1,4.0b
NEIC II 09 22 14 57.0–1.7 16.84N–.05 85.81W–.05 10–1 4.5,4.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-6.15 $M_{\theta\theta}$0.61 $M_{\phi\phi}$5.54 $M_{r\theta}$1.47 $M_{r\phi}$-2.92 $M_{\theta\phi}$2.25 NP1:ϕ_s316.47000°,δ42.06000°,λ-119.53000°. NP2:ϕ_s173.81000°,δ54.35000° ,λ-66.02000°. Principal axes: T 7.0588,Plg6.0000°,Azm247.0000°; N 0.0572,Plg19.0000° ,Azm339.0000°; P -7.1160,Plg70.0000°,Azm139.0000° $M_0$7.09000×10^{15}
ISC III 14 04 26 46.9–.61 16.91N–.05 85.81W–.07 29 3.9b 46 3-84
IDC III 14 04 26 43.5–1.1 16.91N 85.62W 0 4.2s,3.6 ¶610546177
NEIC III 14 04 26 45.5–1.7 16.90N–.06 85.74W–.03 10–2 4.4b,3.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 21 20 57 57.5–1.3 16.9N–.30 85.2W–.20 35 3.2s 5 7-63
IDC III 21 20 57 53.2–2.6 17.08N 85.10W 0 3.6,3.4b ¶610543425
ISC Event type ke.
IDC Error ellipse: s-maj=69.3km s-min=36.5km az=23.0.
SSNC III 22 06 38 44.0–3.6 18.30N 81.16W 0 3.6,2.1L
¶612510139
SSNC Error ellipse: s-maj=30.1km s-min=33.7km az=-1.0.
ISC III 29 08 47 30.5–.60 16.78N–.05 85.96W–.05 29 4.3b,3.5s 96 3-63
IDC III 29 08 47 27.1–1.4 16.75N 85.89W 0 4.0,4.0L ¶610543913
NEIC III 29 08 47 28.9–1.9 16.80N–.06 85.96W–.06 10–2 4.4b,4.0L
INET III 29 08 47 31.8–.94 16.79N 86.01W 32–999 4.5L,4.0L
SNET III 29 08 47 31.5–1.3 16.88N 86.17W 35–142 3.8L,4.0L
ISC Event type se.
IDC Error ellipse: s-maj=28.7km s-min=23.9km az=82.0.
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=10.2km az=156.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
INET Error ellipse: s-maj=4.2km s-min=4.9km az=-1.0.
SNET Error ellipse: s-maj=73.2km s-min=67.4km az=-1.0.
ISC IV 08 23 35 08.9–.53 18.26N–.07 81.49W–.06 10 4.1b,3.4s 59 4-147
IDC IV 08 23 35 07.1–.83 18.13N 81.59W 0 4.0,3.9b ¶610523738
NEIC IV 08 23 35 09.4–1.2 18.29N–.07 81.57W–.07 10–2 4.0b,3.9b
SSNC IV 08 23 35 17.3–3.0 18.45N 81.07W 120–83 4.0,3.5L
JSN IV 08 23 36 01.5–.60 18.11N 77.76W 11–316 4.0,3.5L
ISC Event type se.
IDC Error ellipse: s-maj=25.5km s-min=20.7km az=75.0.
NEIC Event type se. Error ellipse: s-maj=12.5km s-min=11.2km az=55.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SSNC Error ellipse: s-maj=37.0km s-min=25.6km az=-1.0.
JSN Error ellipse: s-maj=22.3km s-min=296.2km az=-1.0.
ISC IV 21 16 25 15.5–.79 17.06N–.08 85.25W–.07 35 3.3b 32 4-143
IDC IV 21 16 25 07.7–4.6 16.54N 85.01W 0 3.9L,3.5 ¶610653211
NEIC IV 21 16 25 14.1–1.8 17.10N–.07 85.21W–.04 21–10 4.3b,3.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

SSNC V 14 03 27 28.7–2.7 18.19N 81.65W 93–102 3.8,3.0L
¶612510340
SSNC Error ellipse: s-maj=16.6km s-min=24.5km az=-1.0.
IDC V 20 00 00 28.9–4.5 16.88N 84.66W 0 3.8L,3.4
¶610684998
IDC Error ellipse: s-maj=86.6km s-min=58.2km az=163.0.
ISC VI 05 13 07 45.2–.38 17.36N–.04 84.75W–.05 10 4.7b,3.5s 313 4-143
SNET VI 05 13 07 00.0–1.1 19.03N 81.64W 164–440 5.0L,3.5s **¶610662502**
IDC VI 05 13 07 43.0–.58 17.25N 84.77W 0 4.2,4.2b
NEIC VI 05 13 07 45.3–2.1 17.24N–.06 84.75W–.07 6–2 4.6b,4.2b
SSNC VI 05 13 08 00.8–2.6 18.17N 83.83W 18–999 5.5b,4.2b
JSN VI 05 13 09 25.9–.91 18.07N 77.39W 15 5.5b,4.2b
ISC Event type se.
SNET Error ellipse: s-maj=36.3km s-min=55.1km az=-1.0.
IDC Error ellipse: s-maj=20.0km s-min=11.5km az=61.0.
NEIC Event type se. Error ellipse: s-maj=9.7km s-min=9.0km az=64.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SSNC Error ellipse: s-maj=74.3km s-min=92.1km az=-1.0.
JSN Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.

SEISMIC REGION 8.
Andean South America.

(102) Near west coast of Colombia.

ISC I 12 16 06 33.4–.39 5.97N–.03 77.93W–.03 22–3 5.5b,4.5s 1624 1-171
MOS I 12 16 06 30.6–1.0 6.02N 78.05W 9 5.7b,4.5s **¶610570638**
BJI I 12 16 06 31.8–.00 6.00N 77.90W 10 5.7b,5.7s
VAO I 12 16 06 32.2–.20 5.77N 77.95W 10 5.2b,5.7s
NEIC I 12 16 06 32.1–1.6 6.06N–.06 77.94W–.06 6–2 5.5b,5.2
RSNC I 12 16 06 32.4–1.2 5.96N 77.93W 20–4 5.3b,4.7W
UPA I 12 16 06 34.2–2.3 6.24N 78.03W 3–42 5.1W,4.7W
IDC I 12 16 06 35.3–.60 6.00N 77.96W 30–3 5.2,5.0b
GCMT I 12 16 06 36.9–.10 6.08N–.01 77.97W–.01 18–0 5.2W,5.0b
NEIC I 12 16 06 36.6 6.05N 77.84W 12 5.2W,5.0b
BGR I 12 16 06 43.8 6.94N 76.79W 33 5.7b,4.6s
ISC Event type se.
MOS Error ellipse: s-maj=8.3km s-min=5.2km az=103.4.
VAO Error ellipse: s-maj=3.2km s-min=3.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=7.5km az=49.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-7.37 $M_{\theta\theta}$5.02 $M_{\phi\phi}$2.36 $M_{r\theta}$-2.41 $M_{\theta\phi}$-4.50 $M_{\phi r}$1.65 NP1:ϕ_s307.87000°,δ34.83000°,λ-88.28000°. NP2:ϕ_s125.78000°,δ55.18000°,λ-91.20000°. Principal axes: T 8.8998,Plg10.0000°,Azm217.0000°; N -1.0019,Plg1.0000°,Azm126.0000°; P -7.8979,Plg80.0000°,Azm31.0000° $M_0$8.44000×10^{16}
RSNC Error ellipse: s-maj=2.9km s-min=3.2km az=-1.0. Moment Tensor Solution. NP1:ϕ_s53.00000°,δ45.00000°,λ-122.00000°.
UPA Error ellipse: s-maj=45.5km s-min=33.2km az=-1.0.
IDC Error ellipse: s-maj=15.7km s-min=10.2km az=62.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s102,c153; s135,c210;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.72±.01 $M_{\theta\theta}$0.67±.01; $M_{\phi\phi}$0.05±.01; $M_{r\theta}$-0.31±.02; $M_{\theta\phi}$-0.16±.01; $M_{\phi r}$0.20±.03; Best double couple: NP1:ϕ_s112.00000°,δ59.00000°,λ-81.00000°. NP2:ϕ_s275.00000°,δ32.00000°,λ-104.00000°. Principal axes: T 0.7890,Plg13.0000°,Azm196.0000°; N 0.0280,Plg7.0000°,Azm287.0000°; P -0.8180,Plg75.0000°,Azm46.0000° $M_0$0.80300×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 2s0 Moment tensor: Scale 10^{16}Nm; M_{rr}-5.54 $M_{\theta\theta}$4.95 $M_{\phi\phi}$0.59 $M_{r\theta}$-3.68 $M_{\theta\phi}$-1.05 $M_{\phi r}$1.94 NP1:ϕ_s111.60000°,δ63.93000°,λ-82.82000°. NP2:ϕ_s275.61000°,δ26.97000°,λ-104.33000°. Principal axes: T 6.5446,Plg19.0000°,Azm196.0000°; N 0.4685,Plg6.0000°,Azm288.0000°; P -7.0131,Plg70.0000°,Azm37.0000° $M_0$6.78000×10^{16}
BGR Event type ke.
RSNC I 13 08 54 40.4–1.3 6.62N 77.49W 24–5 3.6W,3.0L
¶615265190
RSNC Error ellipse: s-maj=3.7km s-min=3.6km az=-1.0.
RSNC I 30 08 20 38.1–.81 2.92N 78.08W 36–5 3.5W,3.1L
¶615266090
RSNC Error ellipse: s-maj=2.9km s-min=3.0km az=-1.0.
ISC II 03 20 33 07.3–.72 2.42N–.03 77.65W–.03 96–7 3.8b 84 1-159
IDC II 03 20 33 07.1–2.4 2.55N 77.15W 102–24 3.8,3.3b **¶610414765**
NEIC II 03 20 33 08.2–1.6 2.42N–.07 77.72W–.09 92–7 4.2b,3.3b
RSNC II 03 20 33 08.4–1.0 2.39N 77.65W 89–6 3.6L,3.3b
ISC Event type se.
IDC Error ellipse: s-maj=24.6km s-min=13.0km az=92.0.
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=9.8km az=110.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSNC Error ellipse: s-maj=2.0km s-min=2.0km az=-1.0.
ISC II 05 10 34 39.6–2.1 5.55N–.04 77.62W–.08 3–12 3.5b 24 1-146
IDC II 05 10 34 36.2–6.2 5.54N 77.25W 0 3.6s,3.3 **¶610414873**
RSNC II 05 10 34 42.8–1.1 5.56N 77.49W 0–6 2.6L,3.3
ISC Event type ke.
IDC Error ellipse: s-maj=285.0km s-min=43.6km az=73.0.
RSNC Error ellipse: s-maj=3.0km s-min=5.8km az=-1.0.
ISC III 10 06 18 09.0–3.2 4.38N–.03 77.70W–.04 24–18 4.1b 111 1-149
RSNC III 10 06 18 08.4–1.4 4.39N 77.85W 17–5 3.9W,3.4L **¶610321354**
NEIC III 10 06 18 12.2–1.8 4.37N–.07 77.57W–.07 45–12 4.4b,3.4L
IDC III 10 06 18 13.3–3.8 4.01N 77.54W 65–33 3.8,3.5b
ISC Event type se.
RSNC Error ellipse: s-maj=3.0km s-min=4.6km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=9.3km az=127.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=28.8km s-min=18.4km az=56.0.
ISC III 21 08 31 19.9–.69 6.16N–.02 77.65W–.03 11–4 5.0b,4.0s 1076 1-155
IDC III 21 08 31 18.1–.43 6.06N 77.60W 0 4.7,4.7b **¶610394260**
RSNC III 21 08 31 19.5–1.4 6.14N 77.76W 1–6 4.9W,4.3L
NEIC III 21 08 31 21.0–2.2 6.29N–.06 77.52W–.06 7–4 5.0b,4.3L
VAO III 21 08 31 20.1–.29 5.99N 77.46W 10 4.9b,4.3L
UPA III 21 08 31 21.4–2.0 6.28N 77.62W 18 4.9W,4.3L
MOS III 21 08 31 21.2–1.2 6.12N 77.70W 27 5.2b,4.3L
BJI III 21 08 31 22.0–.00 6.20N 77.50W 12 5.6b,5.2s
GCMT III 21 08 31 25.0–.30 6.22N–.02 77.61W–.02 15 5.0W,5.2s
BGR III 21 08 31 26.1 5.90N 76.75W 33 5.1b,4.4s
ISC Event type ke.
IDC Error ellipse: s-maj=14.6km s-min=9.4km az=55.0.
RSNC Error ellipse: s-maj=2.9km s-min=5.3km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=7.9km az=46.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Error ellipse: s-maj=3.4km s-min=5.1km az=-1.0.
UPA Error ellipse: s-maj=9.4km s-min=9.1km az=-1.0.
MOS Error ellipse: s-maj=10.3km s-min=5.9km az=113.5.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s23,c26; s86,c102;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.78±.08 $M_{\theta\theta}$-0.20±.07; $M_{\phi\phi}$-1.58±.07; $M_{r\theta}$0.80±.29; $M_{\theta\phi}$0.76±.05; $M_{\phi r}$-4.03±.27; Best double couple: NP1:ϕ_s168.00000°,δ78.00000°,λ95.00000°. NP2:ϕ_s324.00000°,δ13.00000°,λ67.00000°. Principal axes: T 4.4800,Plg57.0000°,Azm84.0000°; N 0.0500,Plg5.0000°,Azm347.0000°; P -4.5340,Plg33.0000°,Azm253.0000° $M_0$4.50700×10^{16}
BGR Event type ke.
ISC III 21 08 40 54.2–1.5 6.09N–.04 77.82W–.04 27–16 28 1-6
UPA III 21 08 40 42.2–3.5 5.28N 77.74W 0–155 4.6W **¶612728457**
RSNC III 21 08 40 51.6–.65 6.12N 77.81W 8–4 3.5W,3.0L
ISC Event type ke.
UPA Error ellipse: s-maj=234.8km s-min=143.8km az=-1.0.
RSNC Error ellipse: s-maj=2.7km s-min=3.2km az=-1.0.
RSNC IV 03 11 07 08.9–1.4 2.20N 77.91W 81–9 3.7W,3.3L
¶615269255
RSNC Error ellipse: s-maj=2.6km s-min=2.8km az=-1.0.
RSNC V 30 07 46 02.7–.62 5.88N 77.44W 25–7 2.1L
¶615273690
RSNC Error ellipse: s-maj=2.5km s-min=3.1km az=-1.0.
RSNC VI 10 17 48 38.9–1.4 4.64N 77.32W 0–9 2.7L
¶615281882
RSNC Error ellipse: s-maj=3.0km s-min=5.1km az=-1.0.
RSNC VI 10 17 48 44.2–.96 4.81N 77.67W 39–6 2.7L
¶617486464
RSNC Error ellipse: s-maj=3.4km s-min=6.2km az=-1.0.

(103) Colombia.

ISC I 04 23 55 58.3–.87 5.32N–.03 73.72W–.03 155–6 68 1-149
IDC I 04 23 55 58.3–1.4 5.21N 73.80W 157–7 3.7,3.2b **¶610236743**
RSNC I 04 23 55 58.6–1.4 5.28N 73.72W 154–6 3.7W,3.3L
ISC Event type ke.
IDC Error ellipse: s-maj=54.7km s-min=26.0km az=125.0.
RSNC Error ellipse: s-maj=2.8km s-min=3.0km az=-1.0.
ISC I 19 12 01 02.4–.57 5.80N–.02 76.12W–.03 49–5 4.7b,3.5s 235 0-155
UPA I 19 12 01 00.6–2.4 5.53N 76.22W 63–65 4.5W,3.5s **¶610102156**
NEIC I 19 12 01 04.9–2.5 5.90N–.06 76.15W–.06 64–7 4.7b,3.5s
VAO I 19 12 01 04.7–.64 5.67N 75.92W 66 4.9b,3.5s
RSNC I 19 12 01 05.1–1.2 5.76N 76.11W 29–3 4.4W,4.2L
IDC I 19 12 01 07.2–1.2 5.81N 76.09W 94–11 4.3,3.9b
ISC Event type se.
UPA Error ellipse: s-maj=21.2km s-min=28.4km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=8.6km az=225.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Error ellipse: s-maj=6.2km s-min=6.9km az=-1.0.
RSNC Error ellipse: s-maj=2.0km s-min=2.7km az=-1.0. Moment Tensor Solution. NP1:ϕ_s1.00000°,δ32.00000°,λ158.00000°.
IDC Error ellipse: s-maj=14.1km s-min=10.1km az=35.0.
ISC I 21 06 34 04.2–.75 4.54N–.03 74.30W–.02 31–6 79 0-148
IDC I 21 06 34 04.2–1.5 4.58N 74.55W 41–13 3.2,3.2L **¶610105243**
NEIC I 21 06 34 05.8–2.6 4.51N–.06 74.11W–.07 32–5 4.0b,3.2L
RSNC I 21 06 34 06.8–1.0 4.45N 74.35W 25–4 3.8W,3.8L
ISC Event type se.
IDC Error ellipse: s-maj=36.8km s-min=22.4km az=115.0.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=9.1km az=108.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSNC Error ellipse: s-maj=2.5km s-min=2.3km az=-1.0. Moment Tensor Solution. NP1:ϕ_s38.00000°,δ90.00000°,λ-162.00000°.
ISC I 24 19 35 37.7–.61 4.02N–.02 76.77W–.03 105–6 4.3b 252 0-157
VAO I 24 19 35 37.3–.46 4.22N 76.95W 127–4 4.5b **¶610114466**
UPA I 24 19 35 37.8–1.3 4.20N 76.92W 0–87 4.2W
NEIC I 24 19 35 38.1–2.1 4.01N–.02 76.70W–.06 101–7 4.3b
IDC I 24 19 35 39.4–1.9 4.02N 76.72W 121–17 4.3,3.9b
RSNC I 24 19 35 39.0–.97 4.12N 76.82W 88–4 4.1W,4.1L
ISC Event type se.
VAO Error ellipse: s-maj=3.5km s-min=4.2km az=-1.0.
UPA Error ellipse: s-maj=116.2km s-min=67.0km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=8.9km s-min=0.7km az=112.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=16.5km s-min=10.7km az=68.0.
RSNC Error ellipse: s-maj=1.6km s-min=2.5km az=-1.0. Moment Tensor Solution. NP1: ϕ_s160.00000°,δ78.00000°,λ114.00000°.
RSNC I 27 13 02 57.6–.92 5.86N 73.64W 130–4 3.7W,3.3L
¶615265951
RSNC Error ellipse: s-maj=2.1km s-min=2.2km az=-1.0.
ISC I 31 17 13 48.2–.85 5.82N–.03 76.85W–.03 22–8 34 1-147
IDC I 31 17 13 44.9–1.9 5.92N 77.29W 0 3.6,3.2s **¶610235834**
RSNC I 31 17 13 49.4–1.1 5.89N 76.86W 2–4 2.8L,3.2s
ISC Event type ke.
IDC Error ellipse: s-maj=55.2km s-min=28.1km az=19.0.
RSNC Error ellipse: s-maj=2.9km s-min=2.2km az=-1.0.
RSNC II 03 07 07 04.2–.91 5.24N 73.73W 146–5 1.9L
¶615266268
RSNC Error ellipse: s-maj=3.4km s-min=3.0km az=-1.0.
ISC II 06 13 02 44.9–.21 3.40N–.02 74.73W–.03 47–1 5.6b,4.9s 2227 1-175
MOS II 06 13 02 43.7–.80 3.46N 74.72W 49 5.9b,4.9s **¶610198059**
RSNC II 06 13 02 44.9–1.5 3.38N 74.72W 0–5 5.4W,5.3L
VAO II 06 13 02 44.5–.22 3.38N 74.68W 32 5.7b,5.3L
BJI II 06 13 02 44.0–.00 3.50N 74.60W 47 5.6b,5.5s
IDC II 06 13 02 45.1–.32 3.35N 74.73W 47–2 5.4,5.2b
NEIC II 06 13 02 45.1–2.1 3.45N–.05 74.67W–.06 38–3 5.6b,5.5
GCMT II 06 13 02 48.1–.10 3.38N–.01 74.67W–.01 50–0 5.5W,5.5
NEIC II 06 13 02 52.6 3.52N 74.54W 46 5.5W,5.5
BGR II 06 13 03 06.6 4.33N 72.74W 33 5.6b,4.8s
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s6.72571°,δ78.89611°,λ57.03215°. NP2: ϕ_s260.18823°,δ34.58651°,λ160.16737°. Principal axes: T Plg45.9160°,Azm243.1471°; N Plg32.2748°,Azm13.8459°; P Plg26.4847°,Azm122.1870°
MOS Error ellipse: s-maj=6.9km s-min=4.1km az=106.1.
RSNC Error ellipse: s-maj=2.5km s-min=3.4km az=-1.0. Moment Tensor Solution. NP1: ϕ_s359.00000°,δ56.00000°,λ68.00000°.
VAO Error ellipse: s-maj=2.9km s-min=3.3km az=-1.0.
IDC Error ellipse: s-maj=9.3km s-min=5.8km az=100.0.
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=7.3km az=106.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.36 $M_{\theta\theta}$-0.15 $M_{\phi\phi}$-1.20 $M_{r\theta}$-0.35 $M_{\theta\phi}$-0.33 $M_{\phi r}$0.36 NP1:ϕ_s0.64000°,δ52.50000°,λ70.64000°. NP2:ϕ_s210.63000°,δ41.54000°,λ113.36000°. Principal axes: T 1.4996,Plg74.0000°,Azm214.0000°; N -0.1727,Plg15.0000°,Azm13.0000°; P -1.3269,Plg6.0000°,Azm104.0000° $M_0$1.42000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s132,c215; s137,c238;Duration: 1s3 Moment tensor: Scale 10^{17}Nm; M_{rr}1.77±.03 $M_{\theta\theta}$0.12±.02; $M_{\phi\phi}$-1.89±.02; $M_{r\theta}$-0.40±.02; $M_{\theta\phi}$-0.77±.02; $M_{\phi r}$0.53±.03; Best double couple: NP1:ϕ_s1.00000°,δ53.00000°,λ67.00000°. NP2:ϕ_s217.00000°,δ43.00000°,λ118.00000°. Principal axes: T 1.9930,Plg70.0000°,Azm213.0000°; N 0.1920,Plg19.0000°,Azm16.0000°; P -2.1850,Plg6.0000°,Azm107.0000° $M_0$2.08900×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 2s6 Moment tensor: Scale 10^{17}Nm; M_{rr}1.79 $M_{\theta\theta}$0.08 $M_{\phi\phi}$-1.87 $M_{r\theta}$-0.32 $M_{\theta\phi}$-0.92 $M_{\phi r}$0.45 NP1:ϕ_s5.49000°,δ51.63000°,λ68.02000°. NP2:ϕ_s218.51000°,δ43.36000°,λ115.30000°. Principal axes: T 1.9526,Plg72.0000°,Azm215.0000°; N 0.3024,Plg17.0000°,Azm20.0000°; P -2.2551,Plg4.0000°,Azm111.0000° $M_0$2.10000×10^{17}
ISC Event type ke. Hypocentre not reviewed by the ISC.
ISC II 15 11 37 47.9–.92 3.55N–.04 76.63W–.04 136–7 3.3b 44 0-144
RSNC II 15 11 37 48.9–1.2 3.56N 76.57W 134–5 3.7W,3.3L **¶610415564**
IDC II 15 11 37 53.7–2.9 3.53N 75.81W 206–21 3.6,3.0b
ISC Event type ke.
RSNC Error ellipse: s-maj=2.4km s-min=3.4km az=-1.0.
IDC Error ellipse: s-maj=44.3km s-min=34.0km az=50.0.
RSNC II 17 02 56 39.3–.63 5.86N 73.68W 122–7 1.2L
¶615266983
RSNC Error ellipse: s-maj=4.6km s-min=3.8km az=-1.0.
RSNC III 02 02 22 38.2–.93 5.27N 73.74W 149–4 3.7W,3.3L
¶615267728
RSNC Error ellipse: s-maj=2.0km s-min=2.2km az=-1.0.
RSNC III 04 19 21 22.2–1.2 5.26N 73.73W 147–4 3.6W,3.1L
¶615267868
RSNC Error ellipse: s-maj=2.5km s-min=2.5km az=-1.0. Moment Tensor Solution. NP1: ϕ_s148.00000°,δ67.00000°,λ78.00000°.
RSNC III 05 08 34 48.2–1.3 5.23N 73.91W 139–5 3.5W,3.0L
¶615267891
RSNC Error ellipse: s-maj=2.7km s-min=2.8km az=-1.0.
RSNC III 05 13 26 39.4–.85 4.21N 76.79W 50–9 1.4L
¶615267905
RSNC Error ellipse: s-maj=3.7km s-min=2.6km az=-1.0.

ISC III 08 20 21 23.9–1.0 4.00N–.03 76.62W–.03 73–8 55 0-146
IDC III 08 20 21 08.6–12 6.74N 77.10W 0 3.9,2.4L **¶610545832**
RSNC III 08 20 21 25.4–1.3 4.01N 76.58W 66–6 2.7L,2.4L
ISC Event type ke.
IDC Error ellipse: s-maj=750.3km s-min=44.0km az=24.0.
RSNC Error ellipse: s-maj=2.1km s-min=2.8km az=-1.0.
ISC III 16 15 38 09.5–1.0 4.78N–.02 72.67W–.02 15–6 5.2b,3.9s 864 1-155
NEIC III 16 15 38 10.6–2.0 4.89N–.05 72.60W–.05 17–3 5.2b,3.9s **¶610330738**
VAO III 16 15 38 12.5–.39 4.76N 72.56W 12 5.3b,3.9s
RSNC III 16 15 38 12.6–1.6 4.84N 72.64W 0–5 5.1b,4.8W
IDC III 16 15 38 13.1–1.9 4.86N 72.71W 34–15 4.7,4.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=6.7km s-min=6.3km az=149.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Error ellipse: s-maj=3.6km s-min=5.7km az=-1.0.
RSNC Error ellipse: s-maj=3.4km s-min=4.0km az=-1.0. Moment Tensor Solution. NP1: ϕs140.00000°,δ29.00000°,λ65.00000°.
IDC Error ellipse: s-maj=12.7km s-min=9.4km az=65.0.
RSNC III 18 04 53 02.7–1.2 5.33N 75.94W 73–7 1.8L ¶615268477
RSNC Error ellipse: s-maj=2.7km s-min=4.3km az=-1.0.
ISC III 25 05 45 25.6–1.1 5.03N–.03 72.85W–.04 5–7 45 1-150
RSNC III 25 05 45 27.5–1.9 5.04N 72.88W 0–7 2.7L **¶610543629**
IDC III 25 05 45 30.4–3.5 5.00N 72.80W 50–26 3.2,2.8b
ISC Event type ke.
RSNC Error ellipse: s-maj=3.3km s-min=5.1km az=-1.0.
IDC Error ellipse: s-maj=46.2km s-min=10.4km az=147.0.
ISC III 27 15 40 54.0–.74 5.81N–.03 76.92W–.03 10 49 1-145
IDC III 27 15 40 53.8–1.4 6.12N 77.17W 0 3.7,3.6b **¶610543804**
RSNC III 27 15 40 56.1–1.4 5.75N 76.87W 2–5 2.9L,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=42.7km s-min=26.6km az=45.0.
RSNC Error ellipse: s-maj=4.1km s-min=3.9km az=-1.0.
ISC IV 01 09 32 42.8–.90 3.58N–.03 76.57W–.03 135–6 88 0-146
RSNC IV 01 09 32 44.4–1.3 3.62N 76.53W 132–4 3.7W,3.2L **¶610651694**
IDC IV 01 09 32 48.6–2.2 3.57N 75.78W 196–23 3.6,2.7b
ISC Event type ke.
RSNC Error ellipse: s-maj=2.0km s-min=3.1km az=-1.0.
IDC Error ellipse: s-maj=55.5km s-min=31.5km az=111.0.
ISC IV 01 11 44 11.4–.64 5.28N–.03 73.70W–.03 159–5 3.3b 82 1-149
IDC IV 01 11 44 11.1–.56 5.29N 73.60W 153–4 3.7,3.2b **¶610651699**
RSNC IV 01 11 44 12.0–.96 5.25N 73.73W 151–3 3.7L,3.2b
ISC Event type ke.
IDC Error ellipse: s-maj=14.9km s-min=10.3km az=128.0.
RSNC Error ellipse: s-maj=1.7km s-min=2.1km az=-1.0. Moment Tensor Solution. NP1:ϕs59.00000°,δ47.00000°,λ-103.00000°.
RSNC IV 03 00 16 47.1–.99 5.24N 73.71W 145–7 1.5L ¶615269223
RSNC Error ellipse: s-maj=4.3km s-min=4.0km az=-1.0.
ISC IV 03 23 27 10.6–1.2 4.72N–.02 76.10W–.03 47–9 75 0-77
IDC IV 03 23 27 08.1–1.6 6.59N 74.70W 0 4.4,4.4b **¶615269273**
RSNC IV 03 23 27 11.1–1.2 4.72N 76.06W 44–6 3.6W,3.0L
ISC Event type ke.
IDC Error ellipse: s-maj=68.8km s-min=14.1km az=79.0.
RSNC Error ellipse: s-maj=1.9km s-min=2.4km az=-1.0.
ISC IV 10 02 06 35.3–.74 4.93N–.03 76.03W–.03 117–5 3.4b 81 0-146
RSNC IV 10 02 06 35.6–1.1 4.93N 76.03W 112–3 3.7W,3.0L **¶610652331**
IDC IV 10 02 06 37.3–2.5 4.76N 75.93W 144–18 3.6,3.2b
ISC Event type ke.
RSNC Error ellipse: s-maj=2.1km s-min=2.5km az=-1.0.
IDC Error ellipse: s-maj=45.8km s-min=25.4km az=31.0.
RSNC IV 12 20 19 14.0–1.4 5.43N 73.79W 138–6 2.5L ¶615269718
RSNC Error ellipse: s-maj=3.4km s-min=3.7km az=-1.0.
ISC IV 23 02 58 54.6–.62 4.55N–.03 75.71W–.03 156–5 3.8b 113 0-147
RSNC IV 23 02 58 55.8–1.2 4.52N 75.78W 151–4 4.1W,3.7L **¶610649790**
IDC IV 23 02 58 56.1–1.1 4.51N 75.66W 174–8 4.0,3.5b
ISC Event type ke.
RSNC Error ellipse: s-maj=2.3km s-min=3.0km az=-1.0. Moment Tensor Solution. NP1:ϕs24.00000°,δ48.00000°,λ-42.00000°.
IDC Error ellipse: s-maj=21.1km s-min=13.0km az=51.0.
RSNC IV 25 10 23 07.7–1.4 3.53N 74.41W 0–3 3.7W,3.6L ¶615270338
RSNC Error ellipse: s-maj=2.1km s-min=2.2km az=-1.0. Moment Tensor Solution. NP1:ϕs11.00000°,δ28.00000°,λ38.00000°.
ISC IV 27 14 26 56.4–1.2 4.39N–.02 76.30W–.03 4–9 48 0-146
IDC IV 27 14 26 56.1–1.3 4.49N 76.47W 0 3.3,3.2b **¶610650141**
RSNC IV 27 14 26 59.2–1.4 4.35N 76.23W 4–4 3.4W,3.0L
ISC Event type ke.
IDC Error ellipse: s-maj=56.4km s-min=26.4km az=171.0.
RSNC Error ellipse: s-maj=1.9km s-min=2.9km az=-1.0.
ISC IV 28 23 38 09.1–1.2 4.95N–.02 73.07W–.03 2–8 3.8b 87 1-149
VAO IV 28 23 38 08.2–1.6 5.40N 72.79W 10 4.3b **¶610650265**
IDC IV 28 23 38 10.6–2.6 5.04N 73.06W 33–20 4.5s,3.9L
RSNC IV 28 23 38 11.0–1.2 4.92N 73.13W 0–5 4.0W,3.7L
ISC Event type ke.
VAO Error ellipse: s-maj=19.5km s-min=6.5km az=-1.0.
IDC Error ellipse: s-maj=22.6km s-min=15.6km az=48.0.
RSNC Error ellipse: s-maj=2.7km s-min=2.2km az=-1.0. Moment Tensor Solution. NP1:ϕs24.00000°,δ65.00000°,λ138.00000°.
RSNC IV 29 03 20 29.4–1.1 3.62N 74.36W 14–6 1.9L ¶615270464
RSNC Error ellipse: s-maj=6.1km s-min=5.7km az=-1.0.
ISC IV 29 10 06 32.3–.34 3.78N–.02 75.99W–.03 67–3 5.1b 767 0-157
VAO IV 29 10 06 25.5–.28 3.82N 75.99W 10 5.0b **¶610589288**
UPA IV 29 10 06 30.1–2.4 3.66N 76.08W 10–170 4.9W
IDC IV 29 10 06 33.0–.48 3.83N 76.05W 72–4 4.7,4.4b
NEIC IV 29 10 06 33.3–2.5 3.82N–.03 75.93W–.06 59–4 5.1b,4.8
RSNC IV 29 10 06 33.4–.98 3.82N 76.06W 49–5 4.5W,4.4L
NEIC IV 29 10 06 34.1 3.79N 75.94W 70 4.5W,4.4L
NEIC IV 29 10 06 34.1 3.79N 75.96W 50 4.5W,4.4L
NEIC IV 29 10 06 34.1 3.79N 75.96W 50 4.5W,4.4L
ISC Event type se. Moment Tensor Solution. NP1:ϕs5.87303°,δ76.29837°,λ-69.69370°. NP2: ϕs128.49695°,δ24.33360°,λ-144.91095°. Principal axes: T Plg28.4766°,Azm79.6624°; N Plg19.7041°,Azm180.8639°; P Plg54.2700°,Azm300.7214° Moment Tensor Solution. NP1:ϕs149.12560°,δ59.45425°,λ-172.70168°. NP2:ϕs55.40146°,δ83.71892°,λ-30.75015°. Principal axes: T Plg16.3801°,Azm106.1001°; N Plg58.6766°,Azm224.9815°; P Plg25.8956°,Azm7.8959°
VAO Error ellipse: s-maj=4.1km s-min=4.5km az=-1.0.
UPA Error ellipse: s-maj=126.1km s-min=102.8km az=-1.0.
IDC Error ellipse: s-maj=9.0km s-min=7.1km az=136.0.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=4.4km az=105.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; Mrr-0.91 Mθθ-0.32 Mϕϕ1.22 Mrθ-0.59 Mθϕ0.27 Mϕr-0.78 NP1:ϕs30.42000°,δ67.65000°,λ-68.58000°. NP2:ϕs164.54000°,δ30.57000°,λ-131.61000°. Principal axes: T 1.5819,Plg20.0000°,Azm104.0000°; N -0.1987,Plg20.0000°,Azm202.0000°; P -1.3832,Plg61.0000°,Azm333.0000° M0 1.49000×10^{16}
RSNC Error ellipse: s-maj=1.3km s-min=1.9km az=-1.0. Moment Tensor Solution. NP1: ϕs129.00000°,δ81.00000°,λ158.00000°.
NEIC Event type se.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 1s1 Moment tensor: Scale 10^{16}Nm; Mrr0.25 Mθθ-1.11 Mϕϕ0.86 Mrθ-0.60 Mθϕ-0.70 Mϕr-1.05 NP1:ϕs211.02000°,δ84.72000°,λ46.08000°. NP2:ϕs115.56000°,δ44.18000°,λ172.41000°. Principal axes: T 1.6665,Plg35.0000°,Azm84.0000°; N 0.1119,Plg44.0000°,Azm216.0000°; P -1.7785,Plg26.0000°,Azm334.0000° M0 1.72000×10^{16}
ISC V 03 12 19 57.3–.99 5.74N–.03 73.90W–.04 120–7 47 0-149
IDC V 03 12 19 55.7–4.1 5.65N 73.55W 130–28 3.0,2.6b **¶610689478**
RSNC V 03 12 19 58.9–1.1 5.74N 73.93W 108–4 2.7L,2.6b
ISC Event type ke.
IDC Error ellipse: s-maj=99.7km s-min=51.7km az=95.0.
RSNC Error ellipse: s-maj=2.1km s-min=2.0km az=-1.0.
ISC V 06 02 52 38.5–.70 3.79N–.02 76.78W–.03 63–6 4.3b 149 0-150
UPA V 06 02 52 37.7–.87 3.67N 76.71W 35–358 4.7W **¶610613145**
RSNC V 06 02 52 40.4–.71 3.80N 76.80W 31–2 3.9W,3.8L
NEIC V 06 02 52 40.7–1.7 3.76N–.07 76.73W–.07 75–11 4.4b,3.8L
IDC V 06 02 52 42.2–2.6 3.80N 76.74W 98–23 4.0,3.6b
ISC Event type se.
UPA Error ellipse: s-maj=142.2km s-min=103.3km az=-1.0.
RSNC Error ellipse: s-maj=1.2km s-min=1.7km az=-1.0. Moment Tensor Solution. NP1: ϕs151.00000°,δ86.00000°,λ132.00000°.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=9.2km az=117.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=22.4km s-min=12.7km az=64.0.
RSNC V 11 14 45 16.9–.92 3.37N 75.11W 2–2 3.6W,3.3L ¶615271041
RSNC Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0. Moment Tensor Solution. NP1:ϕs42.00000°,δ77.00000°,λ-163.00000°.
ISC V 16 08 14 20.3–.65 4.80N–.02 76.27W–.03 118–5 3.6b 124 0-147
UPA V 16 08 14 18.8–.37 4.96N 76.09W 10–68 4.2W **¶610690401**
VAO V 16 08 14 19.5–.49 5.19N 76.71W 170–6 4.0b
RSNC V 16 08 14 21.5–1.2 4.83N 76.23W 110–4 4.2W,3.8L
IDC V 16 08 14 22.5–2.0 4.77N 76.21W 134–16 3.9,3.4b
ISC Event type ke.
UPA Error ellipse: s-maj=73.0km s-min=74.7km az=-1.0.
VAO Error ellipse: s-maj=4.8km s-min=4.9km az=-1.0.
RSNC Error ellipse: s-maj=2.1km s-min=3.1km az=-1.0. Moment Tensor Solution. NP1: ϕs131.00000°,δ74.00000°,λ158.00000°.
IDC Error ellipse: s-maj=23.9km s-min=16.8km az=80.0.
ISC V 17 17 23 01.7–1.1 4.17N–.02 76.08W–.02 4–8 3.5b 84 0-77
RSNC V 17 17 23 03.3–1.6 4.21N 76.07W 3–5 4.1W,3.6L **¶610690506**
IDC V 17 17 23 08.1–3.7 4.05N 76.16W 64–36 3.6,3.3s
ISC Event type ke.
RSNC Error ellipse: s-maj=2.6km s-min=3.1km az=-1.0.
IDC Error ellipse: s-maj=28.8km s-min=18.8km az=68.0.
RSNC VI 03 18 02 36.0–1.4 5.26N 73.74W 153–5 3.5W,3.3L ¶615274468
RSNC Error ellipse: s-maj=3.0km s-min=3.1km az=-1.0. Moment Tensor Solution. NP1: ϕs102.00000°,δ18.00000°,λ118.00000°.
RSNC VI 11 18 00 33.9–1.1 4.42N 76.61W 82–8 1.4L ¶615281917
RSNC Error ellipse: s-maj=4.1km s-min=5.2km az=-1.0.
RSNC VI 19 14 48 23.4–.95 3.83N 71.42W 4–6 3.5L ¶615283326
RSNC Error ellipse: s-maj=3.3km s-min=6.7km az=-1.0.
ISC VI 19 20 02 33.5–.72 4.82N–.03 76.69W–.03 85–7 4.0b 158 0-146
IDC VI 19 20 02 30.5–4.6 4.56N 76.90W 66–36 4.1,3.6b **¶610686567**
UPA VI 19 20 02 33.4–1.8 4.96N 76.79W 0–68 4.3W,3.6b
NEIC VI 19 20 02 34.5–1.7 4.91N–.07 76.70W–.06 99–11 4.3b,3.6b
RSNC VI 19 20 02 36.0–1.2 4.81N 76.70W 52–8 3.8W,3.7L
ISC Event type se.
IDC Error ellipse: s-maj=36.0km s-min=28.1km az=105.0.
UPA Error ellipse: s-maj=80.6km s-min=65.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=9.7km s-min=7.9km az=177.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSNC Error ellipse: s-maj=1.7km s-min=2.7km az=-1.0. Moment Tensor Solution. NP1:ϕs91.00000°,δ76.00000°,λ40.00000°.
RSNC VI 20 02 55 53.0–1.1 5.27N 73.72W 146–5 3.5W,3.2L ¶615283338
RSNC Error ellipse: s-maj=3.0km s-min=2.8km az=-1.0.
RSNC VI 24 15 35 14.8–1.2 4.17N 76.72W 0–9 2.0L ¶615283523
RSNC Error ellipse: s-maj=3.8km s-min=2.8km az=-1.0.
RSNC VI 24 15 36 36.9–1.0 4.19N 76.72W 0–6 1.5L ¶615283524
RSNC Error ellipse: s-maj=3.2km s-min=2.3km az=-1.0.

(104) Off coast of Ecuador.

ISC I 06 04 13 47.3–1.7 2.0N–.20 84.7W–.20 10 3.9b,3.4s 11 6-77
IDC I 06 04 13 47.2–4.3 2.20N 84.42W 0 3.9,3.8b **¶610236809**
ISC Event type ke.
IDC Error ellipse: s-maj=127.2km s-min=78.9km az=82.0.
ISC IV 08 22 53 12.7–1.5 2.0N–.30 84.6W–.60 10 3.6s,3.5b 5 11-91
IDC IV 08 22 53 11.0–2.0 1.95N 84.58W 0 3.8L,3.7 **¶610652264**
GCMT IV 08 22 53 13.0–.50 1.23N–.02 85.36W–.03 28–1 4.8W,3.7
ISC Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. Moment Tensor Solution. s15,c16; s74,c87;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr-0.42±.15 Mθθ0.52±.11; Mϕϕ-0.09±.13; Mrθ-0.07±.15; Mθϕ1.91±.09; Mϕr0.07±.17; Best double couple: NP1:ϕs94.00000°,δ87.00000°,λ-3.00000°. NP2:ϕs185.00000°,δ87.00000°,λ-177.00000°. Principal axes: T 2.1450,Plg0.0000°,Azm140.0000°; N -0.4120,Plg86.0000°,Azm231.0000°; P -1.7330,Plg4.0000°,Azm50.0000° M0 1.93900×10^{16}
ISC IV 20 11 32 21.3–.35 1.12N–.05 85.31W–.05 10 4.8b,4.7s 432 5-152
IDC IV 20 11 32 20.4–.69 1.31N 85.39W 0 4.7s,4.4 **¶610544361**
NEIC IV 20 11 32 21.7–2.7 1.03N–.07 85.28W–.10 10–1 5.4,4.8b
NEIC IV 20 11 32 21.4 1.13N 85.23W 12 5.4,4.8b
NEIC IV 20 11 32 21.4 1.03N 85.33W 12 5.4,4.8b
IGQ IV 20 11 32 22–.96 1N–5.0 85W–2.0 12 5.4,4.8b
GCMT IV 20 11 32 23.7–.10 1.10N–.01 85.37W–.01 17–0 5.5W,4.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution.Duration: 2s6 Moment tensor: Scale 10^{17}Nm; Mrr0.03 Mθθ0.33 Mϕϕ-0.36 Mrθ0.32 Mθϕ1.63 Mϕr-0.43 NP1:ϕs7.03000°,δ79.27000°,λ-168.03000°. NP2:ϕs274.77000°,δ78.24000°,λ-10.96000°. Principal axes: T 1.6519,Plg1.0000°,Azm141.0000°; N 0.1819,Plg74.0000°,Azm48.0000°; P -1.8338,Plg16.0000°,Azm231.0000° M0 1.74000×10^{17}
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s122,c208; s153,c288;Duration: 1s3 Moment tensor: Scale 10^{17}Nm; Mrr0.06±.02 Mθθ0.46±.02; Mϕϕ-0.52±.02; Mrθ-0.00±.05; Mθϕ1.99±.02; Mϕr0.30±.05; Best double couple: NP1:ϕs187.00000°,δ89.00000°,λ-172.00000°. NP2:ϕs97.00000°,δ82.00000°,λ-1.00000°. Principal axes: T 2.0370,Plg5.0000°,Azm322.0000°; N 0.0700,Plg82.0000°,Azm191.0000°; P -2.1070,Plg6.0000°,Azm52.0000° M0 2.07200×10^{17}
ISC IV 21 11 46 03.2–.62 0.89N–.08 85.31W–.08 10 3.9b,3.5s 33 5-137
IDC IV 21 11 46 01.6–1.2 1.18N 85.05W 0 3.8,3.7b **¶610653195**
NEIC IV 21 11 46 04.0–1.6 0.77N–.09 85.31W–.04 10–2 4.4b,3.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 21 16 58 16.6–.92 0.73N–.04 85.39W–.05 17–5 5.1b,4.9s 964 5-160
UPA IV 21 16 58 08.6–3.1 0.40N 86.11W 0–187 5.6W,4.9s **¶610546864**
BJI IV 21 16 58 15.3–.00 0.64N 84.39W 15 5.4b,5.4s
NEIC IV 21 16 58 16.4 0.82N 85.06W 14 5.4b,5.4s
NEIC IV 21 16 58 16.4 0.82N 85.36W 14 5.4b,5.4s
NEIC IV 21 16 58 16.1–2.4 0.80N–.07 85.36W–.07 13–3 5.4,5.2b
GCMT IV 21 16 58 18.1–.10 0.78N–.01 85.44W–.01 12 5.3W,5.2b
MOS IV 21 16 58 18.5–1.3 0.98N 85.24W 41 5.4b,4.7s
IGQ IV 21 16 58 18–.25 1N–3.0 85W–2.0 20 5.4b,4.7s
INET IV 21 16 58 21.7–1.7 0.90N 85.21W 17–999 4.6W,4.7s
IDC IV 21 16 58 22.0–2.3 0.92N 85.24W 53–21 4.8,4.7s
ISC Event type se.
UPA Error ellipse: s-maj=260.0km s-min=138.3km az=-1.0.
NEIC Event type se. Moment Tensor Solution.Duration: 2s4 Moment tensor: Scale 10^{17}Nm; Mrr-0.09 Mθθ0.24 Mϕϕ-0.15 Mrθ-0.51 Mθϕ1.31 Mϕr-0.14 NP1:ϕs274.64000°,δ85.99000°,λ19.86000°. NP2:ϕs183.20000°,δ70.19000°,λ175.73000°. Principal axes: T 1.5100,Plg17.0000°,Azm141.0000°; N -0.1896,Plg70.0000°,Azm286.0000°

; P -1.3205,Plg11.0000°,Azm47.0000° $M_0$1.42000$\times10^{17}$
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=9.6km az=56.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s114,c175; s150,c262;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}0.01±.01 $M_{\theta\theta}$0.34±.01; $M_{\phi\phi}$-0.34±.02; $M_{r\theta}$-0.04±.04; $M_{\theta\phi}$1.27±.01; $M_{\phi r}$0.22±.04; Best double couple: NP1:ϕ_s188.00000°,δ87.00000°,λ-171.00000°. NP2:ϕ_s97.00000°,δ81.00000°,λ-3.00000°. Principal axes: T 1.3170,Plg5.0000° ,Azm322.0000°; N 0.0350,Plg80.0000°,Azm204.0000°; P -1.3520,Plg8.0000°,Azm53.0000° $M_0$1.33500$\times10^{17}$
MOS Error ellipse: s-maj=10.5km s-min=6.2km az=108.7.
INET Error ellipse: s-maj=999.9km s-min=57.0km az=-1.0.
IDC Error ellipse: s-maj=19.2km s-min=8.6km az=61.0.
ISC V 06 00 41 08.3–.66 1.65N–.08 85.38W–.09 10 4.5b 155 6-151
IDC V 06 00 41 06.0–1.1 1.80N 85.53W 0 4.4s,4.1 ¶610689635
NEIC V 06 00 41 09.0–1.7 1.63N–.05 85.34W–.06 10–1 4.6b,4.1
IGQ V 06 00 41 10–.41 2N–4.0 85W–4.0 10 4.6b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC V 08 12 21 04.7–1.8 1.27N 85.62W 0 3.8,3.6b ¶610689792
IDC Error ellipse: s-maj=59.4km s-min=25.2km az=57.0.

(105) Near coast of Ecuador.

ISC I 07 09 11 52.8–.69 2.89S–.03 80.46W–.06 28–5 4.0b,3.4s 140 1-81
VAO I 07 09 11 48.4–1.5 2.77S 80.59W 10 4.4b,3.4s ¶610236891
IGQ I 07 09 11 53–.49 3S–2.0 80W–5.0 10 4.4b,3.4s
IDC I 07 09 11 53.6–.79 2.64S 80.05W 27–5 3.9,3.7b
NEIC I 07 09 11 54.0–1.5 2.94S–.04 80.34W–.08 26–10 4.1b,3.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 11 02 36 30.5–.85 0.60N–.02 80.02W–.03 19–3 4.8b,4.0s 384 1-153
IGQ I 11 02 36 29–.30 1N–1.0 80W–1.0 3 4.8b,4.0s ¶610051736
NEIC I 11 02 36 29.7–1.9 0.62N–.06 80.02W–.03 10–1 4.9,4.9b
VAO I 11 02 36 31.9–.36 0.38N 79.83W 10 5.2b,4.9b
IDC I 11 02 36 34.9–1.7 0.67N 79.97W 49–16 4.4,4.1s
GCMT I 11 02 36 36.7–.30 0.69N–.02 80.27W–.03 27–1 5.0W,4.1s
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-0.91 $M_{\theta\theta}$-0.23 $M_{\phi\phi}$1.14 $M_{r\theta}$-0.11 $M_{\theta\phi}$-0.88 $M_{\phi r}$-2.83 NP1:ϕ_s1.07000°,δ80.34000°,λ-73.34000°. NP2:ϕ_s120.37000°,δ19.19000° ,λ-149.29000°. Principal axes: T 3.2474,Plg33.0000°,Azm77.0000°; N -0.2219,Plg16.0000° ,Azm178.0000°; P -3.0255,Plg52.0000°,Azm290.0000° $M_0$3.14000$\times10^{16}$
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s21,c21; s69,c89;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.44±.22 $M_{\theta\theta}$0.24±.12; $M_{\phi\phi}$-2.68±.15; $M_{r\theta}$-0.49±.18; $M_{\theta\phi}$-0.33±.09; $M_{\phi r}$-2.99±.29; Best double couple: NP1:ϕ_s189.00000°,δ70.00000°,λ92.00000°. NP2:ϕ_s3.00000°,δ20.00000°,λ85.00000°. Principal axes: T 3.8430,Plg65.0000° ,Azm102.0000°; N 0.2730,Plg2.0000°,Azm8.0000°; P -4.1150,Plg25.0000°,Azm277.0000° $M_0$3.97900$\times10^{16}$
ISC I 14 10 16 02.8–.88 0.26N–.06 80.76W–.08 10 3.7b,3.4s 26 1-67
IDC I 14 10 16 01.7–1.1 0.48N 80.63W 0 3.7,3.7L ¶610237350
ISC Event type ke.
IDC Error ellipse: s-maj=75.5km s-min=18.5km az=63.0.
ISC I 15 09 44 45.8–.43 0.19S–.03 80.70W–.05 9 4.6b,3.8s 253 0-154
IGQ I 15 09 44 44–.43 0S–2.0 81W–3.0 7 4.6b,3.8s ¶610094925
VAO I 15 09 44 48.4–.40 0.37S 80.43W 10 4.7b,3.8s
NEIC I 15 09 44 51.0–1.9 0.17S–.06 80.66W–.07 37–8 4.6b,3.8s
IDC I 15 09 44 53.0–2.6 0.12S 80.47W 61–24 4.2,3.9b
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s199.37613°,δ76.51723°,λ92.06358°. NP2: ϕ_s10.59103°,δ13.63689°,λ81.45886°. Principal axes: T Plg58.4339°,Azm112.1641° ; N Plg2.0067°,Azm18.8948°; P Plg31.4873°,Azm287.6651°
VAO Error ellipse: s-maj=4.1km s-min=5.7km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=8.3km az=83.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=23.3km s-min=14.2km az=68.0.
ISC I 30 04 56 30.5–.90 2.62S–.03 79.87W–.04 39–3 4.4b 135 0-73
NEIC I 30 04 56 32.5–1.8 2.78S–.05 79.48W–.08 51–11 4.2b ¶610148230
IGQ I 30 04 56 32–.21 3S–2.0 80W–3.0 36 4.2b
VAO I 30 04 56 38.6–1.5 2.44S 78.56W 10 4.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=4.8km az=116.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Error ellipse: s-maj=10.1km s-min=19.5km az=-1.0.
RSNC I 30 08 16 50.8–.64 0.94N 79.49W 22–4 3.5W,2.9L ¶615266089
RSNC Error ellipse: s-maj=2.7km s-min=4.9km az=-1.0.
ISC I 31 14 22 40.6–.70 0.69N–.02 79.71W–.03 29–4 5.0b,4.9s 687 0-161
VAO I 31 14 22 37.9–.35 0.74N 79.71W 10 5.2b,4.9s ¶610159183
NEIC I 31 14 22 38.7–1.6 0.70N–.05 79.68W–.06 10–1 5.5,5.3
IGQ I 31 14 22 39–.36 1N–2.0 80W–3.0 9 5.5,5.3
GCMT I 31 14 22 42.7–.10 0.64N–.01 79.85W–.01 23–0 5.4W,5.3
MOS I 31 14 22 42.2–1.0 0.77N 79.71W 54 5.2b,4.8s
IDC I 31 14 22 44.7–1.4 0.78N 79.71W 64–12 4.8s,4.6
NEIC I 31 14 22 47 0.71N 79.64W 26 4.8s,4.6
ISC Event type se.
VAO Error ellipse: s-maj=3.6km s-min=4.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=8.7km az=251.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.71 $M_{\theta\theta}$0.09 $M_{\phi\phi}$-0.80 $M_{r\theta}$0.16 $M_{\theta\phi}$-0.24 $M_{\phi r}$-0.70 NP1:ϕ_s175.39000°,δ67.21000°,λ72.62000°. NP2:ϕ_s34.32000°,δ28.38000° ,λ125.41000°. Principal axes: T 1.0401,Plg64.0000°,Azm57.0000°; N 0.0577,Plg16.0000° ,Azm182.0000°; P -1.0978,Plg20.0000°,Azm278.0000° $M_0$1.07000$\times10^{17}$ Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.37 $M_{\theta\theta}$0.06 $M_{\phi\phi}$-0.43 $M_{r\theta}$0.15 $M_{\theta\phi}$-0.13 $M_{\phi r}$-1.07 NP1:ϕ_s37.05000°,δ13.34000°,λ133.00000°. NP2:ϕ_s173.27000°,δ80.28000° ,λ80.81000°. Principal axes: T 1.1465,Plg54.0000°,Azm72.0000°; N 0.0256,Plg9.0000° ,Azm175.0000°; P -1.1721,Plg35.0000°,Azm271.0000° $M_0$1.16000$\times10^{17}$
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s123,c181; s134,c233;Duration: 1s3 Moment tensor: Scale 10^{17}Nm; M_{rr}0.89±.02 $M_{\theta\theta}$0.15±.01; $M_{\phi\phi}$-1.04±.02; $M_{r\theta}$0.28±.03; $M_{\theta\phi}$-0.23±.01; $M_{\phi r}$-1.36±.05; Best double couple: NP1:ϕ_s172.00000°,δ73.00000°,λ77.00000°. NP2:ϕ_s32.00000°,δ21.00000°,λ127.00000°. Principal axes: T 1.6720,Plg60.0000° ,Azm63.0000°; N 0.0760,Plg13.0000°,Azm176.0000°; P -1.7460,Plg27.0000°,Azm273.0000° $M_0$1.70900$\times10^{17}$
MOS Error ellipse: s-maj=11.8km s-min=5.8km az=113.9.
IDC Error ellipse: s-maj=10.6km s-min=7.1km az=66.0.
NEIC Event type se. Moment Tensor Solution.Duration: 12s0 Moment tensor: Scale 10^{17}Nm; M_{rr}1.23 $M_{\theta\theta}$0.45 $M_{\phi\phi}$-1.68 $M_{r\theta}$0.04 $M_{\theta\phi}$-0.24 $M_{\phi r}$-1.67 NP1:ϕ_s18.00000°,δ21.00000° ,λ107.00000°. NP2:ϕ_s179.00000°,δ70.00000°,λ83.00000°. Principal axes: T 2.0038,Plg65.0000°,Azm78.0000°; N 0.4462,Plg6.0000°,Azm181.0000° ; P -2.4499,Plg24.0000°,Azm274.0000° $M_0$2.26000$\times10^{17}$
ISC II 15 04 12 11.3–.97 1.34S–.03 80.42W–.03 24–7 4.5b,3.4s 218 0-156
IGQ II 15 04 12 10–.46 1S–2.0 81W–4.0 10 4.5b,3.4s ¶610216920
NEIC II 15 04 12 12.0–1.3 1.37S–.05 80.48W–.04 28–5 4.6b,4.1
NEIC II 15 04 12 12.6 1.38S 80.47W 33 4.6b,4.1
IDC II 15 04 12 15.9–3.1 1.27S 80.35W 66–29 4.1,4.0L
VAO II 15 04 12 19.1–3.1 1.54S 79.97W 28–19 4.5b,4.0L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=8.7km s-min=4.0km az=147.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-1.56 $M_{\theta\theta}$0.42 $M_{\phi\phi}$1.14 $M_{r\theta}$0.51 $M_{\theta\phi}$0.41 $M_{\phi r}$-0.18 NP1:ϕ_s219.37000°,δ47.97000°,λ-68.98000°. NP2:ϕ_s9.51000°,δ46.10000° ,λ-111.70000°. Principal axes: T 1.3270,Plg1.0000°,Azm295.0000°; N 0.3830,Plg15.0000° ,Azm25.0000°; P -1.7100,Plg75.0000°,Azm201.0000° $M_0$1.55000$\times10^{15}$
NEIC Event type se.
IDC Error ellipse: s-maj=29.1km s-min=15.5km az=64.0.
VAO Error ellipse: s-maj=6.5km s-min=14.5km az=-1.0.
ISC II 19 06 26 52.5–1.1 2.25S–.04 79.93W–.05 66–7 100 0-18
NEIC II 19 06 26 52.5–2.1 2.24S–.04 79.93W–.03 70–15 3.5b ¶610240037
IGQ II 19 06 26 55–.31 2S–2.0 80W–3.0 40 3.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC III 15 06 18 13.4–13 2.81S 80.83W 0 3.5,3.3b ¶610546238
IDC Error ellipse: s-maj=277.4km s-min=64.0km az=167.0.
ISC IV 14 13 01 07.9–1.4 0.26N–.02 80.16W–.04 3–9 3.4b,3.0s 136 0-82
IDC IV 14 13 01 08.1–1.1 0.56N 80.35W 0 3.5,3.5L ¶610652728
IGQ IV 14 13 01 13–.28 0N–2.0 80W–3.0 8 3.5,3.5L
ISC Event type ke.
ISC IV 15 07 27 54.2–1.4 0.6N–.10 80.0W–.10 35 3.6b 20 1-67
IDC IV 15 07 27 51.2–1.3 1.25N 79.74W 0 3.6,3.5L ¶610652782
ISC Event type ke.
IDC Error ellipse: s-maj=90.5km s-min=21.4km az=60.0.
ISC IV 26 08 46 37.4–.76 2.30S–.04 79.81W–.04 68–6 3.7b 106 0-72
IDC IV 26 08 46 39.7–7.1 2.31S 79.75W 94–82 4.2L,3.9 ¶610650043
IGQ IV 26 08 46 39–.22 2S–2.0 80W–2.0 48 4.2L,3.9
ISC Event type ke.
ISC IV 27 15 51 49.4–1.2 0.92N–.03 79.46W–.02 0–9 3.7b 119 0-67
IDC IV 27 15 51 49.4–1.2 1.13N 79.15W 0 3.7,3.6b ¶610650147
IGQ IV 27 15 51 49–.26 1N–2.0 79W–2.0 5 3.7,3.6b
ISC Event type ke.
ISC IV 28 05 40 51.6–.83 1.96S–.03 80.87W–.05 10 3.6b 87 0-112
IGQ IV 28 05 40 52–.33 2S–2.0 81W–4.0 5 3.6b ¶610650194
IDC IV 28 05 40 54.6–1.2 2.24S 80.90W 0 4.0L,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=93.1km s-min=17.2km az=57.0.
ISC V 01 16 15 45.7–1.6 1.29N–.03 79.59W–.05 2–10 3.6b 54 1-81
RSNC V 01 16 15 48.1–1.3 1.28N 79.63W 0–8 3.7W,3.4L ¶610689323
NEIC V 01 16 15 50.3–2.9 1.36N–.05 79.43W–.06 37–17 4.0b,3.4L
IDC V 01 16 15 52.3–3.4 1.23N 79.63W 60–33 3.8s,3.5
ISC Event type se.
RSNC Error ellipse: s-maj=6.1km s-min=8.1km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=3.9km az=125.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=29.0km s-min=17.0km az=97.0.
RSNC V 06 03 37 04.1–.86 1.38N 79.43W 20–4 4.0W,3.3L ¶615270793
RSNC Error ellipse: s-maj=2.9km s-min=4.6km az=-1.0.
ISC V 16 15 59 15.6–.28 2.22S–.03 80.33W–.03 43 4.6b 359 0-164
NEIC V 16 15 59 17.4–2.3 2.22S–.03 80.27W–.07 58–7 4.6b ¶610641628
IGQ V 16 15 59 17–.63 2S–4.0 80W–3.0 17 4.6b
VAO V 16 15 59 19.0–.59 2.37S 79.63W 10 4.8b
IDC V 16 15 59 20.9–2.0 2.17S 80.26W 94–19 4.1,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=3.6km az=102.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Error ellipse: s-maj=4.0km s-min=5.2km az=-1.0.
IDC Error ellipse: s-maj=22.5km s-min=11.7km az=71.0.
ISC VI 11 18 01 51.6–.51 0.30N–.04 80.45W–.04 11 4.2b,3.6s 128 1-141
IGQ VI 11 18 01 49–.74 0N–3.0 81W–4.0 8 4.2b,3.6s ¶610791665
VAO VI 11 18 01 51.3–1.4 0.37N 80.43W 10 4.5b,3.6s
NEIC VI 11 18 01 52.3–2.5 0.32N–.05 80.41W–.06 10–2 4.3b,3.6s
IDC VI 11 18 02 00.0–2.2 0.33N 80.31W 75–21 4.1,3.7s
ISC Event type se.
VAO Error ellipse: s-maj=11.7km s-min=14.2km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=12.9km s-min=4.3km az=307.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=25.7km s-min=14.0km az=70.0.
ISC VI 30 22 29 42.7–.39 0.29S–.02 80.58W–.03 7–2 5.9b,5.7s 3042 0-178
IGQ VI 30 22 29 40–.55 0S–3.0 81W–5.0 9 5.9b,5.7s ¶610728836
NEIC VI 30 22 29 43.9 0.33S 80.51W 6 5.9b,5.7s
VAO VI 30 22 29 43.2–.98 0.26S 80.43W 10 6.1b,5.7s
NEIC VI 30 22 29 44.3 0.31S 80.49W 8 6.1b,5.7s
NEIC VI 30 22 29 44 0.34S 80.50W 5 6.1b,5.7s
NEIC VI 30 22 29 44.3 0.31S 80.49W 12 6.1b,5.7s
MOS VI 30 22 29 45.6–1.1 0.24S 80.53W 31 6.0b,5.6s
NEIC VI 30 22 29 45.1–1.7 0.29S–.05 80.49W–.05 13–1 6.1,6.0
GCMT VI 30 22 29 47.1–.10 0.36S 80.73W 14–0 6.0W,6.0
IDC VI 30 22 29 49.2–1.6 0.19S 80.44W 56–14 5.7s,5.2
BGR VI 30 22 29 58.1 1.88N 79.31W 29–2 6.2,5.6s
ISC Event type ke.
NEIC Event type se.
VAO Error ellipse: s-maj=9.2km s-min=10.3km az=-1.0.
NEIC Event type se.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 5s5 Moment tensor: Scale 10^{18}Nm; M_{rr}0.41 $M_{\theta\theta}$-0.15 $M_{\phi\phi}$-0.26 $M_{r\theta}$0.15 $M_{\theta\phi}$-0.05 $M_{\phi r}$-1.40 NP1:ϕ_s174.58000°,δ83.45000° ,λ87.42000°. NP2:ϕ_s16.15000°,δ7.04000°,λ111.43000°. Principal axes: T 1.5265,Plg51.0000°,Azm82.0000°; N -0.1637,Plg3.0000°,Azm175.0000° ; P -1.3627,Plg38.0000°,Azm267.0000° $M_0$1.44000$\times10^{18}$
MOS Error ellipse: s-maj=6.9km s-min=4.4km az=95.3.
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=7.7km az=271.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}0.40 $M_{\theta\theta}$0.26 $M_{\phi\phi}$-0.66 $M_{r\theta}$0.03 $M_{\theta\phi}$0.02 $M_{\phi r}$-1.26 NP1:ϕ_s358.18000°,δ11.37000°,λ89.37000°. NP2:ϕ_s178.82000°,δ78.63000° ,λ90.13000°. Principal axes: T 1.2391,Plg56.0000°,Azm89.0000°; N 0.2562,Plg0.0000° ,Azm359.0000°; P -1.4953,Plg34.0000°,Azm269.0000° $M_0$1.39000$\times10^{18}$ Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}0.68 $M_{\theta\theta}$-0.05 $M_{\phi\phi}$-0.63 $M_{r\theta}$-0.02 $M_{\theta\phi}$0.13 $M_{\phi r}$-1.67 NP1:ϕ_s179.77000°,δ79.25000°,λ94.27000°. NP2:ϕ_s337.97000°,δ11.56000° ,λ68.60000°. Principal axes: T 1.8236,Plg56.0000°,Azm95.0000°; N -0.0460,Plg4.0000° ,Azm359.0000°; P -1.7775,Plg34.0000°,Azm266.0000° $M_0$1.80000$\times10^{18}$
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s156,c335; s168,c548; Duration: 2s5 Moment tensor: Scale 10^{18}Nm; M_{rr}0.71±.01 $M_{\theta\theta}$0.03±.00; $M_{\phi\phi}$-0.73±.01; $M_{r\theta}$0.00±.01; $M_{\theta\phi}$-0.13±.00; $M_{\phi r}$-1.06±.03; Best double couple: NP1:ϕ_s181.00000°,δ73.00000° ,λ85.00000°. NP2:ϕ_s18.00000°,δ18.00000°,λ106.00000°. Principal axes: T 1.2710,Plg62.0000°,Azm84.0000°; N 0.0370,Plg5.0000°,Azm183.0000° ; P -1.3070,Plg28.0000°,Azm276.0000° $M_0$1.28900$\times10^{18}$
IDC Error ellipse: s-maj=10.5km s-min=6.7km az=62.0.
BGR Event type ke.

(107) Ecuador.

ISC I 16 12 26 16.0–.50 1.69S–.05 77.35W–.08 181 4.2b 68 1-88
IDC I 16 12 26 14.4–2.9 1.51S 77.23W 161–30 4.2,3.7b ¶610237515
VAO I 16 12 26 16.7–.52 1.41S 76.74W 148–11 4.3b,3.7b
NEIC I 16 12 26 16.8–2.9 1.78S–.07 77.41W–.10 188–9 4.4b,3.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 30 00 20 37.0–.51 1.78S–.06 77.94W–.06 150 3.8b 96 1-142
IDC III 30 00 20 34.6–3.8 1.91S 78.04W 142–35 4.2s,3.9 ¶610543964
NEIC III 30 00 20 38.4–2.9 1.76S–.07 78.03W–.09 168–5 4.3b,3.9
VAO III 30 00 20 40.0–.28 1.73S 77.71W 150 4.0b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=30.9km s-min=15.9km az=63.0.
NEIC Event type se. Error ellipse: s-maj=13.3km s-min=9.5km az=101.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Error ellipse: s-maj=4.1km s-min=4.2km az=-1.0.

VAO IV 19 16 57 18.6–1.4 2.83S 78.57W 10 4.1b ¶616087655
VAO Error ellipse: s-maj=7.7km s-min=14.3km az=-1.0.
ISC IV 25 22 31 17.2–.66 1.77S–.05 77.96W–.08 150 3.3b 30 1-88
IDC IV 25 22 31 13.1–7.0 1.33S 77.60W 105–78 4.0L,3.7 **¶610650019**
NEIC IV 25 22 31 18.5–.88 1.74S–.07 78.04W–.10 158–4 4.2b,3.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 09 06 46 35.3–1.2 1.84S–.07 78.2W–.10 10 3.3b 16 2-81
IDC V 09 06 46 25.0–1.1 0.97S 77.77W 0 3.8L,3.6 **¶610689881**
ISC Event type ke.
IDC Error ellipse: s-maj=45.6km s-min=20.6km az=66.0.
ISC V 25 08 43 12.5–.76 0.16S–.03 78.62W–.05 11 31 0-18
NEIC V 25 08 43 13.9–2.2 0.17S–.04 78.5W–.10 10–2 3.6b **¶610654526**
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 29 12 06 53.2–.60 1.65S–.05 78.14W–.06 166–5 4.1b 121 0-142
NEIC V 29 12 06 53.7–2.4 1.63S–.07 78.04W–.09 161–4 4.4b **¶610655709**
IGQ V 29 12 06 53–.48 2S–4.0 78W–6.0 164 4.4b
IDC V 29 12 06 55.5–1.9 1.65S 77.96W 187–19 4.0,3.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.7km s-min=9.4km az=101.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=22.0km s-min=12.6km az=79.0.

(108) Off coast of northern Peru.

ISC II 09 17 53 21.9–.67 9.37S–.06 79.11W–.09 60 4.0b,3.0s 54 2-143
NEIC II 09 17 53 19.3–2.3 9.49S–.08 79.33W–.03 35–2 4.6b,3.0s **¶610415191**
IDC II 09 17 53 22.8–2.3 9.40S 79.13W 68–19 3.9,3.6b
VAO II 09 17 53 31.6–1.5 9.27S 78.13W 38 4.3b,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.6km s-min=3.0km az=197.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=30.3km s-min=8.3km az=75.0.
VAO Error ellipse: s-maj=6.2km s-min=15.3km az=-1.0.
ISC II 16 04 13 37.5–.69 9.38S–.07 79.2W–.10 60 3.8b 26 2-140
IDC II 16 04 13 38.5–2.5 9.33S 79.08W 68–23 3.7,3.4b **¶610415609**
ISC Event type ke.
IDC Error ellipse: s-maj=35.9km s-min=8.4km az=75.0.
ISC II 16 10 36 07.2–.37 7.20S–.05 80.69W–.07 35–3 4.8b,4.0s 310 2-169
VAO II 16 10 36 07.1–.41 7.12S 80.54W 24 4.7b,4.0s **¶610231511**
IDC II 16 10 36 07.4–2.5 7.22S 80.72W 43–22 4.2,4.0b
NEIC II 16 10 36 08.5–1.8 7.16S–.07 80.69W–.07 39–6 4.8b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 16 11 08 11.3–.88 7.5S–.10 80.7W–.10 10 3.7b,3.6s 11 2-114
IDC II 16 11 08 10.0–1.2 7.48S 80.83W 0 3.6s,3.6 **¶610415629**
ISC Event type ke.
IDC Error ellipse: s-maj=31.2km s-min=14.2km az=25.0.
ISC III 27 01 05 36.5–1.1 8.77S–.08 80.5W–.10 35 10 3-135
IDC III 27 01 05 31.6–1.5 8.76S 80.49W 0 3.4L,3.3 **¶610543761**
ISC Event type ke.
IDC Error ellipse: s-maj=34.5km s-min=21.8km az=39.0.
ISC IV 02 01 38 52.8–.30 7.04S–.04 80.97W–.05 10 5.1b,4.9s 310 3-169
IDC IV 02 01 38 49.2–.59 6.91S 81.23W 0 4.8s,4.2 **¶610470165**
GCMT IV 02 01 38 50.8–.20 7.15S–.01 81.47W–.01 12 5.3W,4.2
NEIC IV 02 01 38 53.8–1.3 6.98S–.07 80.90W–.09 10–1 5.3,5.1b
NEIC IV 02 01 38 53.8 6.97S 80.88W 12 5.3,5.1b
NEIC IV 02 01 38 53.8 7.07S 81.18W 12 5.3,5.1b
BJI IV 02 01 38 55.8–.00 7.00S 81.00W 10 5.4s,5.2
VAO IV 02 01 38 55.4–.69 6.96S 80.84W 10 4.9b,5.2
ISC Event type se.
IDC Error ellipse: s-maj=20.6km s-min=9.1km az=51.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s81,c109; s109,c166;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}0.50±.02 $M_{\theta\theta}$-0.06±.01; $M_{\phi\phi}$-0.44±.01; $M_{r\theta}$-0.15±.04; $M_{\theta\phi}$0.29±.01; $M_{\phi r}$-1.19±.03; Best double couple: NP1:ϕ_s183.00000°,δ79.00000°,λ104.00000°. NP2:ϕ_s309.00000°,δ18.00000°,λ38.00000°. Principal axes: T 1.3690,Plg54.0000° ,Azm110.0000°; N -0.0950,Plg14.0000°,Azm360.0000°; P -1.2740,Plg33.0000° ,Azm261.0000° $M_0$1.32100×10^{17}
NEIC Event type se. Error ellipse: s-maj=15.4km s-min=10.2km az=239.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2s2 Moment tensor: Scale 10^{17}Nm; M_{rr}0.39 $M_{\theta\theta}$-0.04 $M_{\phi\phi}$-0.35 $M_{r\theta}$0.02 $M_{\theta\phi}$0.28 $M_{\phi r}$-1.13 NP1:ϕ_s176.51000°,δ80.50000° ,λ102.42000°. NP2:ϕ_s303.36000°,δ15.59000°,λ37.89000°. Principal axes: T 1.2230,Plg53.0000°,Azm101.0000°; N -0.0050,Plg12.0000°,Azm354.0000° ; P -1.2180,Plg34.0000°,Azm256.0000° $M_0$1.22000×10^{17}
VAO Error ellipse: s-maj=4.3km s-min=9.5km az=-1.0.

(109) Near coast of northern Peru.

ISC I 14 08 16 27.6–.86 9.76S–.06 78.7W–.10 55 3.6b 42 3-136
IDC I 14 08 16 28.5–2.5 9.81S 78.78W 69–22 3.7,3.4b **¶610237346**
VAO I 14 08 16 37.1–1.1 9.49S 78.04W 109–11 4.3b,3.4b
ISC Event type ke.
IDC Error ellipse: s-maj=37.1km s-min=14.9km az=64.0.
VAO Error ellipse: s-maj=5.8km s-min=10.4km az=-1.0.
ISC I 28 06 42 31.3–.30 9.32S–.03 78.93W–.04 53–2 5.5b,4.5s 1320 2-173
VAO I 28 06 42 28.6–3.0 9.30S 78.89W 22–16 5.5b,4.5s **¶610145115**
BGR I 28 06 42 28.8 10.82S 76.99W 33 5.4b,4.5s
NEIC I 28 06 42 31.9–2.1 9.35S–.05 79.00W–.08 50–4 5.6b,5.3
MOS I 28 06 42 31.3–.98 9.28S 78.99W 61 5.8b,5.3
IDC I 28 06 42 34.2–1.2 9.30S 78.88W 78–10 5.2,5.0b
GCMT I 28 06 42 34.9–.10 9.20S–.01 79.37W–.01 61–0 5.3W,5.0b
NEIC I 28 06 42 37.6 9.25S 79.30W 60 5.3W,5.0b
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s319.86472°,δ42.63094°,λ-111.62768°. NP2: ϕ_s168.18501°,δ50.97995°,λ-71.25853°. Principal axes: T Plg4.3042°,Azm245.0154° ; N Plg14.4553°,Azm336.1271°; P Plg74.8906°,Azm138.8293°
VAO Error ellipse: s-maj=6.2km s-min=14.5km az=-1.0.
BGR Event type ke.
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=6.7km az=82.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=11.5km s-min=6.2km az=105.9.
IDC Error ellipse: s-maj=14.8km s-min=6.0km az=69.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s131,c182; s116,c190;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.13±.02 $M_{\theta\theta}$-0.07±.02; $M_{\phi\phi}$1.20±.02; $M_{r\theta}$-0.00±.01; $M_{\theta\phi}$-0.31±.01; $M_{\phi r}$0.19±.02; Best double couple: NP1:ϕ_s169.00000°,δ49.00000°,λ-87.00000°. NP2:ϕ_s345.00000°,δ41.00000°,λ-94.00000°. Principal axes: T 1.2850,Plg4.0000° ,Azm257.0000°; N -0.1410,Plg2.0000°,Azm347.0000°; P -1.1460,Plg85.0000° ,Azm105.0000° $M_0$1.21600×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 2s3 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.05 $M_{\theta\theta}$0.06 $M_{\phi\phi}$0.99 $M_{r\theta}$-0.02 $M_{\theta\phi}$-0.49 $M_{\phi r}$0.16 NP1:ϕ_s159.51000°,δ49.01000° ,λ-86.15000°. NP2:ϕ_s333.64000°,δ41.14000°,λ-94.42000°. Principal axes: T 1.2135,Plg4.0000°,Azm247.0000°; N -0.1511,Plg3.0000°,Azm337.0000° ; P -1.0625,Plg85.0000°,Azm103.0000° $M_0$1.14000×10^{17}
ISC III 04 20 52 06.0–.68 6.82S–.08 81.36W–.07 25 4.1b 35 3-160
IDC III 04 20 52 02.4–1.3 6.93S 81.62W 0 3.8,3.7b **¶610245286**
NEIC III 04 20 52 04.8–1.1 6.87S–.08 81.35W–.09 10–2 4.3b,3.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 01 09 52 33.3–.96 9.23S–.06 78.9W–.10 64 45 2-136
VAO V 01 09 52 29.8–.35 9.49S 78.69W 10 4.2b **¶610689293**
IDC V 01 09 52 33.6–2.9 9.22S 78.98W 78–21 3.7,3.4b
ISC Event type ke.
VAO Error ellipse: s-maj=4.9km s-min=4.8km az=-1.0.
IDC Error ellipse: s-maj=45.7km s-min=8.8km az=77.0.
ISC VI 08 21 24 42.4–.41 9.58S–.05 78.88W–.07 60 4.7b,3.0s 350 2-171
NEIC VI 08 21 24 40.5–2.0 9.63S–.06 78.99W–.09 35–2 4.8b,3.0s **¶610668102**
VAO VI 08 21 24 41.9–.92 9.75S 78.71W 35 4.3b,3.0s
IDC VI 08 21 24 42.6–.77 9.65S 78.98W 64–6 4.2,4.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.0km s-min=8.4km az=249.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Error ellipse: s-maj=5.4km s-min=10.8km az=-1.0.
IDC Error ellipse: s-maj=16.9km s-min=8.3km az=77.0.

(110) Peru-Ecuador border region.

ISC I 19 23 52 44.3–.64 2.16S–.06 77.15W–.09 150 3.7b 38 3-142
VAO I 19 23 52 45.6–.64 2.08S 77.03W 148–10 4.1b **¶610237753**
IDC I 19 23 52 46.1–1.9 2.03S 77.05W 169–19 4.0,3.3b
ISC Event type ke.
VAO Error ellipse: s-maj=9.9km s-min=15.4km az=-1.0.
IDC Error ellipse: s-maj=23.8km s-min=14.2km az=75.0.
ISC III 21 04 29 12.5–.35 3.61S–.05 80.89W–.06 38 4.8b,4.2s 252 1-165
NEIC III 21 04 29 10.9–1.7 3.68S–.06 80.92W–.07 24–4 4.9,4.8b **¶610394234**
NEIC III 21 04 29 10.8 3.69S 80.91W 23 4.9,4.8b
NEIC III 21 04 29 11.8–.56 3.63S 80.94W 28 5.0b,4.8b
GCMT III 21 04 29 13.9–.30 3.70S–.02 81.29W–.03 36–1 5.0W,4.8b
IDC III 21 04 29 14.6–2.3 3.59S 80.80W 50–21 4.4,4.3s
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s18.54678°,δ62.82781°,λ-37.08006°. NP2: ϕ_s127.58757°,δ57.56179°,λ-147.24194°. Principal axes: T Plg3.2317°,Azm74.1428° ; N Plg45.2144°,Azm167.4040°; P Plg44.6035°,Azm340.9506°
NEIC Event type se. Error ellipse: s-maj=11.0km s-min=7.9km az=54.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-0.25 $M_{\theta\theta}$-0.35 $M_{\phi\phi}$0.60 $M_{r\theta}$-0.57 $M_{\theta\phi}$-1.88 $M_{\phi r}$-1.61 NP1:ϕ_s5.80000°,δ84.05000°,λ-40.33000°. NP2:ϕ_s100.83000°,δ49.93000° ,λ-172.22000°. Principal axes: T 2.4508,Plg22.0000°,Azm60.0000°; N 0.2710,Plg49.0000° ,Azm179.0000°; P -2.7218,Plg32.0000°,Azm315.0000° $M_0$2.60000×10^{16}
NEIC Event type se.
VAO Error ellipse: s-maj=4.1km s-min=7.1km az=-1.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s33,c35; s75,c94;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.64±.21 $M_{\theta\theta}$0.62±.13; $M_{\phi\phi}$-3.26±.14; $M_{r\theta}$0.09±.12; $M_{\theta\phi}$-0.58±.10; $M_{\phi r}$-2.16±.17; Best double couple: NP1:ϕ_s181.00000°,δ63.00000°,λ82.00000°. NP2:ϕ_s18.00000°,δ28.00000°,λ106.00000°. Principal axes: T 3.3720,Plg71.0000° ,Azm73.0000°; N 0.6540,Plg7.0000°,Azm184.0000°; P -4.0260,Plg18.0000°,Azm277.0000° $M_0$3.69900×10^{16}
IDC Error ellipse: s-maj=20.4km s-min=11.2km az=68.0.
ISC III 24 10 37 22.7–.47 3.96S–.05 80.91W–.06 39 4.4b,3.8s 133 1-157
IDC III 24 10 37 17.2–.94 3.96S 81.05W 0 4.2,4.0b **¶610434579**
NEIC III 24 10 37 22.7–2.1 3.97S–.01 80.87W–.06 31–6 4.4b,4.0b
VAO III 24 10 37 24.5–.74 4.06S 80.82W 35 4.6b,4.0b
ISC Event type se.
IDC Error ellipse: s-maj=30.5km s-min=15.3km az=58.0.
NEIC Event type se. Error ellipse: s-maj=9.0km s-min=2.0km az=90.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Error ellipse: s-maj=4.5km s-min=9.0km az=-1.0.
ISC IV 12 14 14 06.3–.43 3.05S–.05 77.30W–.07 100 4.1b 106 2-164
VAO IV 12 14 14 00.8–.35 3.49S 77.23W 10 4.7b **¶610527202**
IDC IV 12 14 14 05.8–.70 2.94S 77.27W 92–6 4.1,3.8b
NEIC IV 12 14 14 07.0–2.5 3.05S–.07 77.30W–.08 102–11 4.3b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 18 17 49 54.0–.45 2.66S–.02 75.26W–.03 10–2 6.1b,5.7s 2508 3-179
UPA IV 18 17 49 32.8–2.9 4.27S 74.29W 10 5.8W,5.7s **¶610532536**
IDC IV 18 17 49 53.0–.28 2.58S 75.07W 0 5.7s,5.7b
BJI IV 18 17 49 53.7–.00 2.70S 75.20W 10 6.1b,6.0s
MOS IV 18 17 49 54.1–1.3 2.59S 75.17W 13 6.2b,5.7s
VAO IV 18 17 49 54.9–.24 2.84S 75.28W 11 5.9b,5.7s
NEIC IV 18 17 49 55.6 2.73S 75.35W 22 5.9b,5.7s
NEIC IV 18 17 49 55.8–2.4 2.71S–.05 75.30W–.06 14–1 6.2b,5.9
NEIC IV 18 17 49 55.6 2.63S 75.25W 22 6.2b,5.9
NEIC IV 18 17 49 55 2.69S 75.30W 8 6.2b,5.9
GCMT IV 18 17 49 58.8–.10 2.77S–.01 75.37W 22–0 5.9W,5.9
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s2.98983°,δ54.21638°,λ66.57923°. NP2: ϕ_s219.52115°,δ41.89291°,λ118.87466°. Principal axes: T Plg70.0230°,Azm217.6364° ; N Plg18.8111°,Azm17.2031°; P Plg6.4827°,Azm109.4214°
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}5.44 $M_{\theta\theta}$0.05 $M_{\phi\phi}$-5.48 $M_{r\theta}$-0.27 $M_{\theta\phi}$-3.71 $M_{\phi r}$-0.61 NP1:ϕ_s206.07000°,δ47.99000°,λ89.19000°. NP2:ϕ_s27.27000°,δ42.02000° ,λ90.90000°. Principal axes: T 5.4719,Plg87.0000°,Azm105.0000°; N 1.9103,Plg1.0000° ,Azm207.0000°; P -7.3822,Plg3.0000°,Azm297.0000° $M_0$6.64000×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 4s2 Moment tensor: Scale 10^{18}Nm; M_{rr}0.93 $M_{\theta\theta}$-0.06 $M_{\phi\phi}$-0.87 $M_{r\theta}$-0.35 $M_{\theta\phi}$-0.26 $M_{\phi r}$0.18 NP1:ϕ_s357.29000°,δ50.60000° ,λ63.68000°. NP2:ϕ_s215.22000°,δ46.16000°,λ118.36000°. Principal axes: T 1.0701,Plg70.0000°,Azm202.0000°; N -0.1179,Plg20.0000°,Azm15.0000° ; P -0.9523,Plg2.0000°,Azm106.0000° $M_0$1.01000×10^{18}
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s160,c300; s154,c494; Duration: 2s3 Moment tensor: Scale 10^{18}Nm; M_{rr}0.94±.01 $M_{\theta\theta}$0.01±.01; $M_{\phi\phi}$-0.95±.01; $M_{r\theta}$-0.15±.01; $M_{\theta\phi}$-0.30±.01; $M_{\phi r}$-0.10±.01; Best double couple: NP1:ϕ_s204.00000° ,δ49.00000°,λ100.00000°. NP2:ϕ_s8.00000°,δ42.00000°,λ78.00000°. Principal axes: T 0.9710,Plg81.0000°,Azm170.0000°; N 0.0760,Plg8.0000°,Azm17.0000° ; P -1.0480,Plg4.0000°,Azm286.0000° $M_0$1.00900×10^{18}
ISC IV 18 18 41 50.4–.56 2.69S–.06 75.31W–.06 35 3.8b 41 4-143
IDC IV 18 18 41 44.1–1.1 2.50S 75.06W 0 3.8,3.8b **¶610653003**
VAO IV 18 18 41 48.6–.27 2.82S 75.30W 10 4.2b,3.8b
ISC Event type ke.
IDC Error ellipse: s-maj=39.6km s-min=30.3km az=76.0.
VAO Error ellipse: s-maj=3.3km s-min=3.2km az=-1.0.
ISC V 01 00 06 03.6–1.2 2.27S–.03 77.41W–.03 6–8 4.2b,3.5s 275 1-156
IDC V 01 00 06 02.7–.58 2.18S 77.27W 0 4.4L,4.0 **¶610589573**
VAO V 01 00 06 05.5–.31 2.34S 77.47W 19 4.5b,4.0
NEIC V 01 00 06 06.6–1.3 2.34S–.04 77.44W–.05 17–4 4.5b,4.4
NEIC V 01 00 06 06.9 2.37S 77.51W 19 4.5b,4.4
IGQ V 01 00 06 08–.35 2S–2.0 78W–3.0 10 4.5b,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}1.35 $M_{\theta\theta}$-0.35 $M_{\phi\phi}$-0.99 $M_{r\theta}$-4.26 $M_{\theta\phi}$-3.54 $M_{\phi r}$0.33 NP1:ϕ_s263.11000°,δ80.83000°,λ129.40000°. NP2:ϕ_s4.09000°,δ40.29000° ,λ14.27000°. Principal axes: T 5.8515,Plg41.0000°,Azm209.0000°; N -0.3625,Plg39.0000° ,Azm76.0000°; P -5.4891,Plg25.0000°,Azm323.0000° $M_0$5.68000×10^{15}
NEIC Event type se.
ISC V 21 10 14 16.8–.33 4.77S–.04 79.92W–.06 74–2 4.8b 466 1-166
IDC V 21 10 14 17.3–.49 4.73S 80.02W 76–3 4.4,4.0b **¶610646029**
VAO V 21 10 14 18.0–.56 4.70S 79.86W 73 4.8b,4.0b
NEIC V 21 10 14 19.3–2.2 4.70S–.07 79.87W–.08 87–6 4.8b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 05 04 08 33.0–.48 3.51S–.05 77.27W–.06 50 4.1b,3.1s 67 2-139
NEIC VI 05 04 08 34.5–2.4 3.52S–.06 77.36W–.07 57–8 4.2b,3.1s **¶610791264**
IDC VI 05 04 08 34.6–3.9 3.51S 77.31W 62–40 3.8,3.5b
ISC Event type se.

NEIC Event type se. Error ellipse: s-maj=11.0km s-min=8.5km az=64.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=32.8km s-min=19.8km az=59.0.
ISC VI 05 11 34 09.8–.20 4.15S–.03 80.52W–.03 51–1 5.9b,5.0s 2198 1-166
MOS VI 05 11 34 09.5–.85 4.04S 80.48W 53 6.1b,4.8s **¶610662329**
GCMT VI 05 11 34 10.3–.10 4.23S–.01 80.66W–.01 52–0 5.6W,4.8s
IDC VI 05 11 34 10.3–.31 4.05S 80.43W 53–2 5.3,5.1b
IGQ VI 05 11 34 10–.68 4S–3.0 81W–5.0 17 5.3,5.1b
NEIC VI 05 11 34 11.3 4.07S 80.36W 50 5.3,5.1b
VAO VI 05 11 34 11.0–.24 4.08S 80.32W 51 5.7b,5.1b
NEIC VI 05 11 34 11.3–2.1 4.07S–.06 80.36W–.07 49–1 5.9b,5.8
NEIC VI 05 11 34 11 4.07S 80.37W 46 5.9b,5.8
NEIC VI 05 11 34 11.3 4.07S 80.36W 50 5.9b,5.8
BGR VI 05 11 34 29.3 1.42S 77.45W 49–0 6.0,5.8b
ISC Event type ke.
MOS Error ellipse: s-maj=9.4km s-min=5.0km az=95.9.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s148,c257; s144,c280;Duration: 1^{s}6 Moment tensor: Scale 10^{17}Nm; M_{rr}3.13±.04 $M_{\theta\theta}$0.20±.03; $M_{\phi\phi}$-3.34±.03; $M_{r\theta}$1.04±.03; $M_{\theta\phi}$0.34±.03; $M_{\phi r}$0.38±.04; Best double couple: NP1:ϕ_s12.00000°,δ50.00000°,λ114.00000°. NP2:ϕ_s157.00000°,δ45.00000°,λ64.00000°. Principal axes: T 3.4940,Plg72.0000° ,Azm347.0000°; N -0.1140,Plg18.0000°,Azm176.0000°; P -3.3860,Plg3.0000°,Azm85.0000° $M_0$3.44000×10^{17}
IDC Error ellipse: s-maj=10.0km s-min=6.0km az=61.0.
NEIC Event type se. Moment Tensor Solution.Duration: 3^{s}2 Moment tensor: Scale 10^{17}Nm; M_{rr}3.17 $M_{\theta\theta}$-0.25 $M_{\phi\phi}$-2.92 $M_{r\theta}$1.16 $M_{\theta\phi}$0.24 $M_{\phi r}$0.26 NP1:ϕ_s11.80000°,δ49.10000° ,λ113.25000°. NP2:ϕ_s158.52000°,δ46.02000°,λ65.50000°. Principal axes: T 3.5448,Plg73.0000°,Azm350.0000°; N -0.6023,Plg17.0000°,Azm176.0000° ; P -2.9424,Plg2.0000°,Azm86.0000° $M_0$3.24000×10^{17}
VAO Error ellipse: s-maj=2.8km s-min=3.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=9.8km az=69.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}5.02 $M_{\theta\theta}$0.26 $M_{\phi\phi}$-5.28 $M_{r\theta}$0.65 $M_{\theta\phi}$1.99 $M_{\phi r}$0.94 NP1:ϕ_s150.39000°,δ42.62000°,λ72.57000°. NP2:ϕ_s353.49000°,δ49.75000° ,λ105.41000°. Principal axes: T 5.2516,Plg78.0000°,Azm326.0000°; N 0.7182,Plg12.0000° ,Azm163.0000°; P -5.9697,Plg4.0000°,Azm73.0000° $M_0$5.65000×10^{17}
NEIC Event type se.
NEIC Event type se.
BGR Event type ke.
ISC VI 06 20 34 52.2–.84 4.09S–.05 80.44W–.08 57 3.8b 32 1-84
IDC VI 06 20 34 47.9–1.4 3.40S 79.88W 0 3.8,3.8b **¶610791352**
NEIC VI 06 20 34 50.5–2.8 4.14S–.04 80.7W–.10 95–19 4.0b,3.8b
IGQ VI 06 20 34 51–1.8 4S–4.0 80W–5.0 16 4.0b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 08 04 27 42.8–.49 4.07S–.05 80.56W–.08 57 4.4b,3.2s 99 2-138
NEIC VI 08 04 27 43.3–1.4 4.05S–.04 80.45W–.09 57–8 4.5b,3.2s **¶610791438**
IDC VI 08 04 27 44.5–2.7 4.15S 80.56W 75–27 4.1,3.6b
VAO VI 08 04 27 53.8–1.5 4.80S 79.26W 10 4.5b,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.7km s-min=1.1km az=64.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=31.6km s-min=16.9km az=64.0.
VAO Error ellipse: s-maj=12.0km s-min=14.7km az=-1.0.
ISC VI 19 04 16 33.6–.35 3.61S–.05 77.10W–.06 100 4.6b 391 2-157
IDC VI 19 04 16 34.4–1.8 3.60S 77.09W 107–17 4.3,3.9b **¶610681629**
NEIC VI 19 04 16 34.4–1.2 3.61S–.06 77.11W–.07 106–8 4.6b,3.9b
VAO VI 19 04 16 42.0–1.1 3.68S 76.35W 105 4.7b,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=16.5km s-min=11.4km az=69.0.
NEIC Event type se. Error ellipse: s-maj=11.4km s-min=8.4km az=63.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Error ellipse: s-maj=7.2km s-min=11.5km az=-1.0.
ISC VI 25 03 03 40.3–.45 4.46S–.06 80.01W–.07 78 4.2b 159 2-158
IDC VI 25 03 03 40.8–.72 4.41S 80.00W 81–6 4.2,3.8b **¶610694630**
NEIC VI 25 03 03 41.4–1.5 4.46S–.06 80.03W–.09 78–9 4.3b,3.8b
VAO VI 25 03 03 45.3–.75 4.41S 79.60W 90–6 4.4b,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=21.6km s-min=12.1km az=54.0.
NEIC Event type se. Error ellipse: s-maj=12.9km s-min=8.6km az=69.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Error ellipse: s-maj=5.4km s-min=7.2km az=-1.0.
ISC VI 27 22 13 50.5–1.2 4.01S–.09 79.8W–.10 100 73 0-25
IGQ VI 27 22 13 47–1.3 4S–8.0 80W–10 99 **¶614981061**
VAO VI 27 22 13 55.9–1.1 3.68S 78.77W 10 4.3b
ISC Event type ke.
VAO Error ellipse: s-maj=5.7km s-min=11.9km az=-1.0.

(111) Northern Peru.

ISC I 02 13 13 48.1–.25 4.94S–.03 76.34W–.04 110–2 6.0b 1643 3-177
VAO I 02 13 13 47.5–.64 4.90S 76.28W 98–5 5.9b **¶611831450**
MOS I 02 13 13 47.1–1.2 4.89S 76.45W 109 6.0b
BGR I 02 13 13 48.2 5.45S 75.73W 105 6.2b,5.1s
IDC I 02 13 13 48.2–.35 4.85S 76.39W 106–3 5.8,5.5b
NEIC I 02 13 13 48.7–1.7 4.90S–.06 76.37W–.07 106–1 6.1b,5.9
GCMT I 02 13 13 49.7–.10 4.95S–.01 76.46W–.01 120–0 5.9W,5.9
BJI I 02 13 13 49.5–.00 4.90S 76.30W 115 5.9b,5.9
NEIC I 02 13 13 53 4.88S 76.31W 120 5.9b,5.9
ISC Event type se.
VAO Error ellipse: s-maj=2.9km s-min=4.5km az=-1.0.
MOS Error ellipse: s-maj=8.6km s-min=5.3km az=86.4.
BGR Event type ke.
IDC Error ellipse: s-maj=8.7km s-min=6.4km az=93.0.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=9.9km az=246.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-7.81 $M_{\theta\theta}$0.98 $M_{\phi\phi}$6.83 $M_{r\theta}$-1.68 $M_{\theta\phi}$-1.71 $M_{\phi r}$2.04 NP1:ϕ_s351.44000°,δ36.54000°,λ-78.77000°. NP2:ϕ_s157.56000° ,δ54.27000°,λ-98.21000°. Principal axes: T 7.6716,Plg9.0000°,Azm253.0000° ; N 0.6470,Plg7.0000°,Azm162.0000°; P -8.3186,Plg79.0000°,Azm36.0000° $M_0$8.01000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s141,c283; s150,c409; Duration: 2^{s}2 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.83±.01 $M_{\theta\theta}$-0.08±.01; $M_{\phi\phi}$0.90±.01; $M_{r\theta}$-0.18±.01; $M_{\theta\phi}$-0.25±.01; $M_{\phi r}$0.24±.01; Best double couple: NP1:ϕ_s158.00000°,δ54.00000° ,λ-101.00000°. NP2:ϕ_s356.00000°,δ37.00000°,λ-76.00000°. Principal axes: T 1.0050,Plg8.0000°,Azm256.0000°; N -0.1220,Plg9.0000°,Azm165.0000° ; P -0.8840,Plg78.0000°,Azm30.0000° $M_0$0.94400×10^{18}
NEIC Event type se. Moment Tensor Solution.Duration: 8^{s}0 Moment tensor: Scale 10^{17}Nm; M_{rr}-8.41 $M_{\theta\theta}$0.66 $M_{\phi\phi}$7.75 $M_{r\theta}$-1.46 $M_{\theta\phi}$-2.05 $M_{\phi r}$4.09 NP1:ϕ_s347.00000°,δ31.00000° ,λ-86.00000°. NP2:ϕ_s163.00000°,δ59.00000°,λ-92.00000°. Principal axes: T 9.3570,Plg14.0000°,Azm254.0000°; N 0.1193,Plg2.0000°,Azm164.0000° ; P -9.4763,Plg76.0000°,Azm67.0000° $M_0$9.42000×10^{17}
ISC I 07 16 04 54.0–.32 7.84S–.04 75.54W–.05 42–2 4.9b,3.8s 333 3-168
VAO I 07 16 04 48.6–.34 7.92S 75.80W 10 4.7b,3.8s **¶610049652**
IDC I 07 16 04 53.7–.60 7.86S 75.43W 40–5 4.4,4.1b
NEIC I 07 16 04 54.4–1.8 7.84S–.06 75.55W–.07 40–6 4.9b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 31 23 38 27.0–.36 3.29S–.03 76.84W–.04 49–3 4.8b,4.0s 531 2-164
NEIC I 31 23 38 27.0–1.9 3.31S–.03 76.89W–.06 47–6 4.8b,4.0s **¶610159387**
IDC I 31 23 38 27.1–1.7 3.21S 76.78W 43–17 4.5,4.4L
VAO I 31 23 38 27.6–.34 3.24S 76.74W 47 5.1b,4.4L
IGQ I 31 23 38 29–.63 3S–6.0 77W–6.0 16 5.1b,4.4L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 20 07 45 13.1–.22 5.19S–.04 74.86W–.04 35 5.4b,4.6s 1558 3-173
IDC II 20 07 45 08.3–.33 5.08S 74.79W 0 5.0,5.0b **¶610231667**
NEIC II 20 07 45 10.4–1.9 5.15S–.06 74.91W–.06 10–3 5.4b,5.1
NEIC II 20 07 45 10.1 4.63S 74.95W 26 5.4b,5.1
GCMT II 20 07 45 11.4–.20 5.31S–.02 74.98W–.01 24–0 5.1W,5.1
VAO II 20 07 45 11.5–.23 5.26S 74.90W 25 5.0b,5.1
MOS II 20 07 45 11.2–1.1 5.13S 74.98W 29 5.5b,4.5s
BJI II 20 07 45 12.0–.00 5.20S 74.90W 20 5.3b,5.3s
ISC Event type se.
IDC Error ellipse: s-maj=13.6km s-min=7.4km az=68.0.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=7.6km az=54.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution.Duration: 1^{s}7 Moment tensor: Scale 10^{16}Nm; M_{rr}2.69 $M_{\theta\theta}$1.57 $M_{\phi\phi}$-4.26 $M_{r\theta}$-3.08 $M_{\theta\phi}$0.65 $M_{\phi r}$-0.14 NP1:ϕ_s320.55000°,δ59.04000° ,λ41.31000°. NP2:ϕ_s206.23000°,δ55.52000°,λ141.39000°. Principal axes: T 5.2894,Plg50.0000°,Azm175.0000°; N -0.9505,Plg40.0000°,Azm351.0000° ; P -4.3389,Plg2.0000°,Azm83.0000° $M_0$4.81000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s81,c101; s103,c143;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}5.55±.15 $M_{\theta\theta}$0.02±.09; $M_{\phi\phi}$-5.57±.11; $M_{r\theta}$-0.21±.13; $M_{\theta\phi}$-0.29±.07; $M_{\phi r}$0.94±.14; Best double couple: NP1:ϕ_s0.00000°,δ50.00000°,λ87.00000°. NP2:ϕ_s186.00000°,δ40.00000°,λ94.00000°. Principal axes: T 5.6400,Plg85.0000° ,Azm244.0000°; N 0.0200,Plg3.0000°,Azm3.0000°; P -5.6630,Plg5.0000°,Azm93.0000° $M_0$5.65100×10^{16}
VAO Error ellipse: s-maj=2.6km s-min=3.4km az=-1.0.
MOS Error ellipse: s-maj=9.8km s-min=4.6km az=104.4.
ISC II 23 03 41 02.4–.46 5.42S–.05 76.61W–.06 114 4.3b 94 2-135
VAO II 23 03 41 00.0–.33 5.44S 76.17W 10 4.3b **¶610384845**
IDC II 23 03 41 02.7–.62 5.43S 76.69W 121–6 3.9,3.5b
NEIC II 23 03 41 02.3–1.9 5.48S–.08 76.72W–.08 108–10 4.5b,3.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 26 10 47 52.3–.96 4.01S–.04 76.80W–.07 105–10 3.6b 91 2-141
IDC II 26 10 47 56.7–1.9 4.25S 76.90W 151–22 3.7,3.2b **¶610385055**
IGQ II 26 10 47 57–.79 4S–5.0 77W–9.0 31 3.7,3.2b
ISC Event type ke.
ISC III 18 11 43 25.1–.58 3.81S–.05 76.54W–.08 10 3.9b 46 4-82
IDC III 18 11 43 24.3–.93 3.48S 76.16W 0 3.9,3.8b **¶610546449**
VAO III 18 11 43 32.7–.51 3.85S 75.88W 10 4.1b,3.8b
ISC Event type ke.
IDC Error ellipse: s-maj=37.5km s-min=19.0km az=72.0.
VAO Error ellipse: s-maj=6.2km s-min=5.7km az=-1.0.
ISC III 25 18 06 47.6–.29 4.47S–.04 76.89W–.05 35 4.8b,3.9s 642 3-166
NEIC III 25 18 06 44.8–2.0 4.46S–.05 76.93W–.06 11–4 4.8b,3.9s **¶610435088**
IDC III 25 18 06 47.5–3.1 4.44S 76.86W 33–24 4.5,4.3b
VAO III 25 18 06 47.6–.25 4.53S 76.85W 24 4.9b,4.3b
BJI III 25 18 06 49.0–.00 4.50S 76.90W 30 5.3s,5.0
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=6.7km az=78.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=15.9km s-min=9.8km az=66.0.
VAO Error ellipse: s-maj=3.0km s-min=3.7km az=-1.0.
ISC III 28 11 15 31.1–.27 3.12S–.03 75.76W–.04 130–2 4.5b 754 3-157
NEIC III 28 11 15 31.6–2.5 3.16S–.06 75.76W–.07 129–4 4.6b **¶610437829**
IDC III 28 11 15 32.1–.46 3.04S 75.67W 128–4 4.5,4.0b
GCMT III 28 11 15 32.6–.40 3.26S–.03 75.82W–.03 135–6 4.8W,4.0b
VAO III 28 11 15 33.1–.35 3.17S 75.67W 130 5.0b,4.0b
IGQ III 28 11 15 36–.60 3S–5.0 76W–6.0 75 5.0b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s9,c9; s78,c94;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.92±.08 $M_{\theta\theta}$0.74±.10; $M_{\phi\phi}$0.17±.13; $M_{r\theta}$0.28±.06; $M_{\theta\phi}$0.74±.07; $M_{\phi r}$-1.33±.08; Best double couple: NP1:ϕ_s17.00000°,δ71.00000°,λ-124.00000°. NP2: ϕ_s261.00000°,δ38.00000°,λ-32.00000°. Principal axes: T 1.4360,Plg19.0000°,Azm131.0000° ; N 0.5310,Plg32.0000°,Azm29.0000°; P -1.9670,Plg52.0000°,Azm247.0000° $M_0$1.70200×10^{16}
ISC IV 04 00 38 40.8–.71 6.18S–.07 76.29W–.08 10 3.3b 18 2-136
IDC IV 04 00 38 39.7–1.2 6.01S 76.24W 0 3.7L,3.6 **¶610651884**
ISC Event type ke.
IDC Error ellipse: s-maj=28.6km s-min=25.0km az=144.0.
ISC IV 09 14 04 04.5–.39 3.86S–.04 75.73W–.06 10 4.5b 177 4-142
IDC IV 09 14 04 02.7–.62 3.73S 75.57W 0 4.2L,4.1 **¶610525099**
VAO IV 09 14 04 06.7–.55 3.94S 75.66W 10 4.4b,4.1
NEIC IV 09 14 04 09.0–1.8 3.82S–.06 75.80W–.07 35–2 4.5b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 16 13 56 20.6–.44 7.56S–.06 75.69W–.07 35 4.6b 99 3-143
IDC V 16 13 56 15.7–.85 7.33S 75.61W 0 4.3b,4.2 **¶610690424**
NEIC V 16 13 56 21.9–1.4 7.58S–.07 75.73W–.07 43–6 4.7b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 29 23 48 13.9–1.6 3.5S–.10 76.2W–.20 200 8 4-142
IDC V 29 23 48 10.8–9.3 3.11S 75.94W 164–103 3.7,3.2s **¶610685674**
ISC Event type ke.
IDC Error ellipse: s-maj=109.9km s-min=46.4km az=29.0.
ISC VI 05 06 01 17.9–1.1 6.35S–.07 76.6W–.10 120 22 4-26
VAO VI 05 06 01 20.8–.90 6.42S 76.28W 99 3.9b **¶616173665**
ISC Event type ke.
VAO Error ellipse: s-maj=7.1km s-min=9.2km az=-1.0.
ISC VI 21 06 50 40.5–.93 3.61S–.09 76.79W–.10 100 25 3-80
IDC VI 21 06 50 48.4–4.9 3.77S 77.23W 191–40 3.8,3.2b **¶610789196**
ISC Event type ke.
IDC Error ellipse: s-maj=51.8km s-min=27.7km az=65.0.

(112) Peru-Brazil border region.

ISC II 23 08 40 50.3–.82 9.8S–.20 72.96W–.08 35 3.8b 14 4-140
VAO II 23 08 40 33.7–1.1 9.35S 74.14W 10 4.1b **¶610384864**
IDC II 23 08 40 48.0–2.0 10.60S 75.56W 0 3.8,3.8b
ISC Event type ke.
VAO Error ellipse: s-maj=10.2km s-min=10.2km az=-1.0.
IDC Error ellipse: s-maj=81.8km s-min=43.7km az=40.0.
ISC II 28 04 56 26.9–.41 8.44S–.04 74.25W–.05 161–3 4.7b 429 2-168
IDC II 28 04 56 26.9–.49 8.33S 74.12W 158–4 4.6,4.2b **¶610241794**
VAO II 28 04 56 27.8–.56 8.42S 74.13W 156–4 4.5,4.2b
NEIC II 28 04 56 28.4–1.4 8.37S–.06 74.26W–.07 166–5 4.6b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 06 02 01 44.5–.41 8.84S–.05 74.50W–.05 145 4.3b 118 2-140
IDC III 06 02 01 43.5–1.8 8.73S 74.43W 132–20 3.9,3.5b **¶610247302**
NEIC III 06 02 01 45.3–1.5 8.85S–.07 74.53W–.07 148–7 4.4b,3.5b
VAO III 06 02 01 50.0–.53 8.67S 74.05W 139–4 4.0,3.5b
ISC Event type se.
IDC Error ellipse: s-maj=33.4km s-min=10.7km az=39.0.
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=5.4km az=133.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Error ellipse: s-maj=3.5km s-min=4.5km az=-1.0.
ISC III 26 10 33 47.1–.72 7.33S–.09 74.50W–.06 150 3.5b 29 2-78
IDC III 26 10 33 46.1–5.3 7.17S 74.38W 140–68 3.9,3.3b **¶610543718**
VAO III 26 10 33 57.6–1.2 7.40S 73.58W 163 4.2,3.3b

ISC Event type ke.
IDC Error ellipse: s-maj=91.7km s-min=19.7km az=34.0.
VAO Error ellipse: s-maj=5.7km s-min=12.3km az=-1.0.
ISC IV 11 02 20 55.4–1.4 10.5S–.20 71.8W–.40 10 6 7-138
IDC IV 11 02 20 54.8–1.9 10.45S 71.77W 0 3.6,3.6b **¶610652421**
ISC Event type ke.
IDC Error ellipse: s-maj=71.9km s-min=31.7km az=50.0.
IDC IV 15 21 37 15.6–2.2 7.54S 74.24W 0 3.5b,3.4
¶610652824
IDC Error ellipse: s-maj=98.2km s-min=32.2km az=46.0.
ISC V 04 02 28 57.6–.25 8.59S–.03 74.36W–.04 154–2 5.2b 1172 2-168
MOS V 04 02 28 55.6–.97 8.50S 74.39W 145 5.2b **¶610593991**
NEIC V 04 02 28 57.6 8.58S 74.35W 160 5.2b
NEIC V 04 02 28 57.6 8.48S 74.25W 160 5.2b
IDC V 04 02 28 57.9–.40 8.48S 74.25W 154–3 5.2,4.8b
GCMT V 04 02 28 58.3–.10 8.56S–.01 74.42W–.01 156–1 5.3W,4.8b
NEIC V 04 02 28 58.4–1.8 8.58S–.05 74.36W–.07 155–4 5.3,5.2b
BJI V 04 02 29 00.0–.00 8.60S 74.30W 145 5.4b,5.2b
VAO V 04 02 29 04.4–3.4 8.75S 73.93W 186–29 5.4b,5.2b
ISC Event type se.
MOS Error ellipse: s-maj=9.2km s-min=5.9km az=97.7.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2s2 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.31 $M_{\theta\theta}$0.47 $M_{\phi\phi}$-0.16 $M_{r\theta}$0.41 $M_{\theta\phi}$-0.18 $M_{\phi r}$-0.89 NP1:ϕ_s327.77000°,δ82.37000° ,λ-69.35000°. NP2:ϕ_s77.18000°,δ21.96000°,λ-159.20000°. Principal axes: T 0.9942,Plg34.0000°,Azm40.0000°; N 0.1575,Plg20.0000°,Azm145.0000° ; P -1.1517,Plg49.0000°,Azm260.0000° $M_0$1.07000×10^{17}
IDC Error ellipse: s-maj=11.1km s-min=7.3km az=62.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s107,c153; s138,c248;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.22±.02 $M_{\theta\theta}$0.47±.02 $M_{\phi\phi}$-0.24±.02; $M_{r\theta}$0.45±.01; $M_{\theta\phi}$-0.22±.02; $M_{\phi r}$-1.01±.01; Best double couple: NP1:ϕ_s331.00000°,δ85.00000°,λ-69.00000°. NP2:ϕ_s73.00000°,δ22.00000°,λ-167.00000°. Principal axes: T 1.1200,Plg37.0000° ,Azm42.0000°; N 0.1410,Plg21.0000°,Azm149.0000°; P -1.2610,Plg46.0000°,Azm262.0000° $M_0$1.19100×10^{17}
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=6.3km az=119.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Error ellipse: s-maj=10.2km s-min=20.5km az=-1.0.
ISC VI 04 14 19 52.4–.96 9.52S–.09 72.49W–.08 35 10 5-79
IDC VI 04 14 19 47.9–1.5 9.28S 72.46W 0 3.7L,3.6 **¶610791236**
ISC Event type ke.
IDC Error ellipse: s-maj=37.3km s-min=20.9km az=29.0.
VAO VI 18 06 22 06.3–.69 8.16S 73.02W 133–5 3.9
¶616173692
VAO Error ellipse: s-maj=3.5km s-min=5.8km az=-1.0.
ISC VI 18 08 05 47.8–.55 8.34S–.06 74.40W–.05 147 3.9b 50 2-140
VAO VI 18 08 05 15.1–1.8 8.35S 76.51W 10 4.3b **¶610792107**
IDC VI 18 08 05 48.9–1.5 8.41S 74.47W 164–23 3.9,3.5b
NEIC VI 18 08 05 50–2.1 8.33S–.09 74.32W–.08 165–9 4.2b,3.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(113) Western Brazil.

IDC IV 29 07 02 09.5–853 6.94S 67.98W 0
¶610650290
IDC Error ellipse: s-maj=344.4km s-min=160.6km az=164.0.

(114) Off coast of Peru.

ISC I 06 22 55 33.0–.39 11.31S–.05 78.14W–.06 40–3 5.1b,4.1s 731 1-172
IDC I 06 22 55 27.3–.65 11.21S 78.22W 0 4.5,4.4b **¶610038898**
BJI I 06 22 55 33.6–.00 11.86S 77.51W 54 5.3b,5.3s
NEIC I 06 22 55 33.5–1.9 11.32S–.07 78.19W–.09 38–5 5.1b,5.3s
GCMT I 06 22 55 35.5–.50 11.31S–.03 78.31W–.03 30–0 4.9W,5.3s
VAO I 06 22 55 36.0–1.7 11.23S 77.97W 58–11 4.7b,5.3s
ISC Event type se.
IDC Error ellipse: s-maj=27.2km s-min=11.8km az=53.0.
NEIC Event type se. Error ellipse: s-maj=13.6km s-min=8.0km az=57.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s37,c38; s61,c77;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.79±.17 $M_{\theta\theta}$-1.21±.12; $M_{\phi\phi}$-1.57±.12; $M_{r\theta}$0.68±.13; $M_{\theta\phi}$1.47±.08; $M_{\phi r}$1.02±.14; Best double couple: NP1:ϕ_s338.00000°,δ52.00000°,λ116.00000°. NP2:ϕ_s120.00000°,δ45.00000°,λ61.00000°. Principal axes: T 3.2510,Plg69.0000° ,Azm311.0000°; N -0.3510,Plg20.0000°,Azm141.0000°; P -2.8900,Plg3.0000°,Azm50.0000° $M_0$3.07000×10^{16}
VAO Error ellipse: s-maj=6.0km s-min=11.1km az=-1.0.
ISC II 10 11 57 02.1–.46 14.69S–.06 77.34W–.07 10 4.6b 127 3-161
IDC II 10 11 57 00.9–.71 14.69S 77.37W 0 4.2L,4.1 **¶610208000**
NEIC II 10 11 57 02.9–1.8 14.71S–.07 77.4W–.10 12–4 4.6b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC III 19 08 17 32.7–5.4 17.57S 75.93W 0 3.9L,3.6
¶610546497
IDC Error ellipse: s-maj=183.5km s-min=38.4km az=19.0.
IDC V 02 23 03 24.1–2.2 17.50S 73.22W 0 3.7b,3.6
¶610689416
IDC Error ellipse: s-maj=56.4km s-min=34.1km az=33.0.
ISC VI 07 04 33 18.1–.38 17.88S–.05 73.64W–.06 10 4.9b,3.7s 287 3-173
IDC VI 07 04 33 17.4–.51 17.86S 73.69W 0 4.4,4.4b **¶610791375**
NEIC VI 07 04 33 19.6–1.6 17.90S–.07 73.63W–.09 26–5 4.9b,4.4b
VAO VI 07 04 33 22.0–.33 17.59S 73.36W 10 4.4b,4.4b
ISC Event type se.
IDC Error ellipse: s-maj=22.8km s-min=14.1km az=62.0.
NEIC Event type se. Error ellipse: s-maj=13.5km s-min=9.6km az=69.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Error ellipse: s-maj=3.2km s-min=4.3km az=-1.0.

(115) Near coast of Peru.

ISC I 01 02 45 38.2–.75 12.83S–.08 76.5W–.10 59 3.6b 31 1-166
NEIC I 01 02 45 37.5–2.7 12.94S–.08 76.6W–.10 40–5 4.1b **¶609947720**
IDC I 01 02 45 39.2–2.0 12.61S 76.50W 60–10 3.6,3.3s
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.4km s-min=9.8km az=64.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=69.8km s-min=16.3km az=46.0.
ISC I 10 21 15 52.4–.69 16.17S–.07 74.13W–.10 54 3.9b 41 4-148
NEIC I 10 21 15 50.2–1.5 16.11S–.08 74.4W–.10 31–7 4.2b **¶610237106**
IDC I 10 21 15 53.9–1.8 16.02S 73.89W 64–18 3.9,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.9km s-min=11.4km az=81.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=44.5km s-min=12.5km az=56.0.
ISC I 17 23 44 18.9–1.1 12.28S–.06 77.4W–.10 33 4.2b,3.1s 27 1-118
NEIC I 17 23 44 20.3–1.3 12.25S–.08 77.31W–.06 38–14 4.2b,3.1s **¶610099188**
IDC I 17 23 44 24.8–1.3 11.67S 76.59W 0 3.9L,3.8
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=7.8km az=171.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=26.1km s-min=8.3km az=120.0.
ISC I 18 17 42 12.5–1.1 17.04S–.07 70.98W–.09 85–12 4.2b 34 2-149
IDC I 18 17 42 12.3–3.4 17.06S 70.89W 75–31 4.3b,3.9 **¶610237677**
ISC Event type ke.
IDC Error ellipse: s-maj=39.4km s-min=20.6km az=97.0.
IDC I 22 21 12 54.4–7.3 12.82S 76.63W 0 3.7L,3.3
¶610235140
IDC Error ellipse: s-maj=318.4km s-min=32.7km az=33.0.
ISC I 27 21 27 58.7–.50 13.93S–.05 76.05W–.07 49 4.1b,3.8s 133 2-148
NEIC I 27 21 27 56.5–2.6 13.92S–.07 75.99W–.10 15–4 4.4b,3.8s **¶610235509**
IDC I 27 21 27 58.6–1.7 13.90S 75.99W 45–14 4.3,4.2L
VAO I 27 21 28 18.1–1.2 13.09S 74.66W 131–9 4.5b,4.2L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.8km s-min=5.2km az=57.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=22.1km s-min=10.6km az=57.0.
VAO Error ellipse: s-maj=5.2km s-min=10.6km az=-1.0.
ISC I 28 11 39 41.1–.55 14.53S–.06 76.37W–.08 23 4.4b,4.1s 150 3-168
IDC I 28 11 39 38.0–.75 14.37S 76.24W 0 4.2,4.2b **¶610147525**
NEIC I 28 11 39 42.0–2.7 14.55S–.08 76.4W–.10 29–5 4.6b,4.2b
VAO I 28 11 39 42.7–1.0 14.44S 76.36W 34–7 4.7b,4.2b
ISC Event type se.
IDC Error ellipse: s-maj=27.2km s-min=12.3km az=61.0.
NEIC Event type se. Error ellipse: s-maj=17.6km s-min=6.5km az=51.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Error ellipse: s-maj=2.8km s-min=5.8km az=-1.0.
ISC II 02 04 39 49.4–.61 11.68S–.05 77.26W–.07 50 4.0b 60 1-118
IDC II 02 04 39 50.5–1.3 11.80S 77.27W 64–11 3.7,3.3b **¶610172174**
NEIC II 02 04 39 51.3–1.6 11.66S–.08 77.2W–.10 68–6 4.3b,3.3b
VAO II 02 04 39 52.5–.69 11.76S 77.05W 67 4.0b,3.3b
ISC Event type se.
IDC Error ellipse: s-maj=41.8km s-min=12.2km az=63.0.
NEIC Event type se. Error ellipse: s-maj=15.1km s-min=10.1km az=64.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Error ellipse: s-maj=4.2km s-min=7.2km az=-1.0.
ISC II 10 15 55 06.2–.97 13.0S–.10 76.5W–.10 59 3.6b 11 1-119
IDC II 10 15 55 06.7–1.8 12.95S 76.67W 70–18 3.8,3.3b **¶610415242**
ISC Event type ke.
IDC Error ellipse: s-maj=50.0km s-min=16.1km az=63.0.
ISC II 16 10 18 08.9–1.4 14.5S–.40 75.7W–.20 50 3.5b 10 8-174
IDC II 16 10 18 12.8–5.7 14.27S 75.47W 79–45 3.8L,3.6 **¶610415626**
ISC Event type ke.
IDC Error ellipse: s-maj=89.7km s-min=30.8km az=31.0.
ISC II 18 04 55 43.1–.67 17.01S–.05 70.28W–.06 147–7 4.2b 85 1-168
VAO II 18 04 55 42.6–1.8 16.96S 70.18W 125–10 4.2b **¶610240034**
IDC II 18 04 55 42.2–1.9 16.74S 70.07W 113–18 4.4,4.0b
NEIC II 18 04 55 43.7–1.4 16.98S–.09 70.2W–.10 152–9 4.3b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 20 22 46 32.0–.96 17.05S–.09 72.68W–.09 100 9 4-149
IDC II 20 22 46 31.2–1.8 17.00S 72.61W 82–19 3.7,3.4b **¶610384711**
ISC Event type ke.
IDC Error ellipse: s-maj=41.2km s-min=14.1km az=50.0.
ISC II 26 12 12 52.5–.93 17.21S–.06 70.11W–.10 140–7 3.5b 34 1-149
IDC II 26 12 12 53.6–1.7 17.29S 69.92W 145–14 3.8s,3.8 **¶610385061**
GUC II 26 12 12 53.8–.43 17.19S 70.21W 129–2 3.5L,3.8
VAO II 26 12 12 54.5–4.5 19.39S 73.90W 0 4.2b,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=27.4km s-min=11.6km az=106.0.
GUC Error ellipse: s-maj=2.3km s-min=3.3km az=-1.0.
VAO Error ellipse: s-maj=23.7km s-min=34.4km az=-1.0.
ISC II 28 08 09 30.0–.54 14.12S–.06 75.03W–.08 100 4.6b 113 3-167
VAO II 28 08 09 22.8–.63 14.22S 75.13W 10 4.9b **¶610241890**
IDC II 28 08 09 30.7–.60 14.08S 75.05W 90–4 4.4s,4.4
NEIC II 28 08 09 31.1–1.9 14.12S–.08 75.0W–.10 83–8 4.7b,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 01 09 10 47.8–1.2 12.12S–.09 77.3W–.10 51 20 0-166
NEIC III 01 09 10 47.2–2.3 12.19S–.08 77.40W–.07 35–2 4.1b **¶610243152**
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC III 08 13 29 56.0–6.0 16.11S 72.99W 132–51 3.6,3.3b
¶610545809
IDC Error ellipse: s-maj=63.3km s-min=35.1km az=100.0.
ISC III 11 07 53 02.9–.55 16.27S–.06 73.75W–.09 35 3.9b 58 4-169
NEIC III 11 07 53 03.9–1.6 16.24S–.07 73.72W–.10 35–2 4.1b **¶610323213**
IDC III 11 07 53 03.4–1.2 16.16S 73.65W 45–5 4.0L,3.8
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.1km s-min=11.1km az=242.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=41.9km s-min=13.8km az=38.0.
NEIC III 13 15 46 00.6–1.1 12.70S–.05 76.9W–.10 43–17 4.1b
¶610327618
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 16 15 25 26.0–.50 17.11S–.04 70.95W–.06 116–5 4.1b 139 1-149
NEIC III 16 15 25 25.7–2.4 17.13S–.06 71.01W–.09 128–4 4.3b,4.3L **¶610330745**
VAO III 16 15 25 26.1–.57 17.02S 71.05W 121 4.4b,4.3L
IDC III 16 15 25 26.8–.59 17.15S 70.77W 112–5 4.1,3.9s
GUC III 16 15 25 27.4–.77 17.14S 71.00W 117–7 4.3L,3.9s
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=8.9km az=94.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Error ellipse: s-maj=3.1km s-min=6.9km az=-1.0.
IDC Error ellipse: s-maj=12.9km s-min=10.4km az=179.0.
GUC Error ellipse: s-maj=4.4km s-min=3.5km az=-1.0.
ISC III 16 23 30 59.7–1.1 16.4S–.10 74.5W–.20 35 8 5-134
IDC III 16 23 31 02.3–2.8 16.31S 74.36W 64–25 3.6,3.5L **¶610546341**
ISC Event type ke.
IDC Error ellipse: s-maj=45.1km s-min=25.4km az=48.0.
ISC III 16 23 31 40.6–.84 16.53S–.09 74.5W–.10 35 3.8b,3.5s 13 5-144
IDC III 16 23 31 42.5–1.9 16.45S 74.40W 57–18 4.0,3.8L **¶610546344**
ISC Event type ke.
IDC Error ellipse: s-maj=34.5km s-min=12.6km az=55.0.
NEIC III 18 20 20 50.1–1.8 11.6S–.10 77.2W–.10 67–13 4.2b
¶610345820
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 30 18 50 48.5–1.3 17.17S–.07 70.6W–.10 129–9 4.0b 56 1-87
NEIC III 30 18 50 45.6–1.2 17.00S–.06 71.1W–.10 79–6 4.0b **¶610460756**
IDC III 30 18 50 53.1–2.6 17.25S 70.12W 152–17 4.1,3.7s
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.2km s-min=7.2km az=108.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=41.2km s-min=17.6km az=117.0.
ISC III 31 09 54 40.0–.37 16.23S–.05 74.37W–.06 49 4.7b,3.9s 215 4-167
IDC III 31 09 54 34.5–.73 16.13S 74.34W 0 4.4,4.4b **¶610465774**
NEIC III 31 09 54 38.3–2.3 16.20S–.06 74.36W–.09 24–4 4.8b,4.4b
VAO III 31 09 54 41.6–.30 16.13S 74.28W 36 4.7b,4.4b
ISC Event type se.
IDC Error ellipse: s-maj=25.2km s-min=17.7km az=64.0.
NEIC Event type se. Error ellipse: s-maj=12.5km s-min=8.6km az=68.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Error ellipse: s-maj=2.5km s-min=3.9km az=-1.0.
ISC IV 01 12 56 59.4–.47 16.19S–.06 74.38W–.07 35 4.3b,3.9s 122 5-151
VAO IV 01 12 56 58.5–.44 16.12S 74.15W 10 4.6b,3.9s **¶610651703**

NEIC IV 01 12 56 59.9–2.6 16.32S–.07 74.48W–.08 40–8 4.5b,3.9s
IDC IV 01 12 56 59.6–3.7 16.14S 74.37W 35–29 4.1,4.0L
ISC Event type se.
VAO Error ellipse: s-maj=2.7km s-min=5.2km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=14.0km s-min=3.4km az=49.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=25.7km s-min=15.6km az=56.0.
ISC IV 01 14 07 34.1–.44 16.24S–.05 74.44W–.07 35 4.4b,4.1s 137 4-155
NEIC IV 01 14 07 34.7–2.1 16.21S–.07 74.3W–.10 41–7 4.6b,4.1s **¶610469413**
IDC IV 01 14 07 35.2–3.0 16.09S 74.33W 37–24 4.2,4.0s
VAO IV 01 14 07 37.4–.50 16.14S 74.17W 37 4.7b,4.0s
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.2km s-min=9.1km az=67.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=25.2km s-min=14.0km az=51.0.
VAO Error ellipse: s-maj=2.6km s-min=6.0km az=-1.0.
ISC IV 06 17 15 24.1–.24 17.70S–.04 72.56W–.04 29 5.2b,4.7s 733 2-177
BJI IV 06 17 15 20.9–.00 17.84S 73.25W 10 5.4s,5.2b **¶610514479**
MOS IV 06 17 15 20.9–1.6 17.57S 72.55W 10 5.4b,5.2b
IDC IV 06 17 15 20.3–.52 17.55S 72.45W 0 4.9,4.8b
NEIC IV 06 17 15 21.8 17.71S 72.60W 12 4.9,4.8b
NEIC IV 06 17 15 21.3–2.3 17.72S–.05 72.61W–.05 9–3 5.3,5.3
NEIC IV 06 17 15 21.5 17.69S 72.57W 14 5.3,5.3
NEIC IV 06 17 15 21.5 17.59S 72.47W 14 5.3,5.3
VAO IV 06 17 15 23.9–.32 17.55S 72.34W 9 5.2b,5.3
GUC IV 06 17 15 24.8–.57 17.62S 72.49W 37–73 5.2L,5.3
GCMT IV 06 17 15 26.3–.40 17.71S–.02 72.78W–.02 19 5.3W,5.3
ISC Event type se.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{17}Nm; Mrr0.70 Mθθ-0.24 Mφφ-0.46 Mrθ0.18 Mθφ0.43
Mφr-1.00 NP1:φs163.90000°,δ72.90000°,λ104.70000°. NP2:φs302.16000°,δ22.41000°
,λ50.48000°. Principal axes: T 1.2809,Plg60.0000°,Azm95.0000°; N -0.0356,Plg14.0000°
,Azm339.0000°; P -1.2453,Plg26.0000°,Azm242.0000° Mo1.26000×10^{17}
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 1s1.0 Moment tensor: Scale 10^{16}Nm;
Mrr2.33 Mθθ-0.66 Mφφ-1.67 Mrθ1.94 Mθφ1.66 Mφr-3.97 NP1:φs153.06000°,δ74.93000°
,λ96.41000°. NP2:φs309.70000°,δ16.35000°,λ67.49000°. Principal axes:
T 4.9002,Plg60.0000°,Azm72.0000°; N 0.4831,Plg6.0000°,Azm331.0000°
; P -5.3833,Plg30.0000°,Azm238.0000° Mo5.14000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function. Moment Tensor Solution. s50,c59; s65,c84;Duration: 1s1
Moment tensor: Scale 10^{17}Nm; Mrr0.38±.02 Mθθ-0.07±.01; Mφφ-0.31±.02; Mrθ0.13±.03;
Mθφ0.25±.01; Mφr-1.07±.04; Best double couple: NP1:φs171.00000°,δ80.00000°,λ100.00000°.
NP2:φs305.00000°,δ14.00000°,λ44.00000°. Principal axes: T 1.1630,Plg54.0000°
,Azm93.0000°; N -0.0040,Plg10.0000°,Azm349.0000°; P -1.1590,Plg34.0000°
,Azm253.0000° Mo1.16100×10^{17}
ISC IV 15 23 24 04.9–2.6 17.84S–.10 72.9W–.20 10 15 3-124
IDC IV 15 23 24 00.7–3.5 17.59S 73.22W 0 3.8,3.8L **¶610652829**
ISC Event type ke.
IDC Error ellipse: s-maj=52.4km s-min=46.1km az=109.0.
ISC IV 24 02 15 36.1–.66 16.05S–.06 72.10W–.07 114 3.8b 51 3-85
VAO IV 24 02 14 49.6–2.8 17.13S 75.54W 10 4.4b **¶610547644**
NEIC IV 24 02 15 37.0–1.5 16.25S–.06 72.2W–.10 151–18 4.1b
IDC IV 24 02 15 39.3–1.9 15.79S 71.94W 130–17 3.8,3.5b
ISC Event type se.
VAO Error ellipse: s-maj=15.2km s-min=25.4km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=17.2km s-min=2.1km az=60.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=21.9km s-min=17.1km az=20.0.
IDC V 02 02 01 49.0–5.0 12.01S 76.87W 0 3.6L,3.5
¶610689357
IDC Error ellipse: s-maj=221.1km s-min=40.9km az=37.0.
ISC V 03 12 42 48.5–.30 16.11S–.04 73.35W–.04 57–2 5.3b,4.2s 783 4-173
VAO V 03 12 42 42.7–.31 16.02S 73.47W 10 5.3b,4.2s **¶610593822**
MOS V 03 12 42 45.7–1.2 16.03S 73.37W 44 5.3b,4.2s
NEIC V 03 12 42 48–1.5 16.12S–.06 73.44W–.08 48–4 5.3b,5.1
GUC V 03 12 42 48.3–.69 16.48S 73.65W 23–5 5.3L,5.1
NEIC V 03 12 42 48.2 16.13S 73.46W 50 5.3L,5.1
NEIC V 03 12 42 48.2 16.13S 73.35W 50 5.3L,5.1
IDC V 03 12 42 50.6–1.4 16.06S 73.27W 73–11 4.9,4.6b
GCMT V 03 12 42 53.0–.10 16.25S–.01 73.39W–.01 67–1 5.2W,4.6b
SJA V 03 12 44 09.4–.35 21.62S 70.81W 50 4.1L,4.0W
ISC Event type se.
VAO Error ellipse: s-maj=2.7km s-min=3.9km az=-1.0.
MOS Error ellipse: s-maj=10.4km s-min=6.2km az=109.3.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=7.9km az=60.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=8.0km s-min=6.4km az=-1.0.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 1s9 Moment tensor: Scale 10^{16}Nm;
Mrr-0.34 Mθθ1.08 Mφφ-0.74 Mrθ-5.65 Mθφ0.11 Mφr1.74 NP1:φs107.58000°,δ87.13000°
,λ-84.16000°. NP2:φs223.69000°,δ6.51000°,λ-153.74000°. Principal axes:
T 6.2360,Plg42.0000°,Azm192.0000°; N -0.5195,Plg6.0000°,Azm287.0000°
; P -5.7165,Plg48.0000°,Azm24.0000° Mo5.98000×10^{16}
IDC Error ellipse: s-maj=13.7km s-min=8.9km az=51.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function. Moment Tensor Solution. s107,c151; s128,c190;Duration: 0
Moment tensor: Scale 10^{16}Nm; Mrr-4.25±.17 Mθθ2.45±.15; Mφφ1.80±.18; Mrθ-5.64±.10;
Mθφ-1.90±.14; Mφr2.42±.13; Best double couple: NP1:φs116.00000°,δ73.00000°,λ-97.00000°.
NP2:φs321.00000°,δ18.00000°,λ-67.00000°. Principal axes: T 7.1910,Plg28.0000°
,Azm212.0000°; N 0.4230,Plg7.0000°,Azm119.0000°; P -7.6140,Plg61.0000°,Azm16.0000°
Mo7.40200×10^{16}
SJA Error ellipse: s-maj=2.5km s-min=17.8km az=-1.0.
ISC V 03 21 07 49.8–1.1 17.94S–.06 70.21W–.09 100–7 20 0-87
GUC V 03 21 07 53.0–.81 17.98S 70.05W 82–5 3.7L **¶610689505**
IDC V 03 21 07 56.9–6.7 17.64S 69.60W 146–41 3.7,3.3b
ISC Event type ke.
GUC Error ellipse: s-maj=2.6km s-min=4.2km az=-1.0.
IDC Error ellipse: s-maj=88.5km s-min=51.1km az=16.0.
ISC V 06 19 52 15.9–.30 16.97S–.04 73.51W–.05 26 5.1b,4.6s 316 3-173
NEIC V 06 19 52 14.6–1.7 16.92S–.06 73.48W–.08 13–3 5.1b,5.1 **¶610617719**
NEIC V 06 19 52 14.6 16.94S 73.47W 11 5.1b,5.1
NEIC V 06 19 52 14.6 17.24S 73.89W 12 5.1b,5.1
GCMT V 06 19 52 17.7–.30 17.05S–.02 73.74W–.02 28–0 5.2W,5.1
GUC V 06 19 52 17.4–.58 16.69S 73.56W 28–3 5.2L,5.1
IDC V 06 19 52 17.1–3.2 16.73S 73.30W 27–20 4.7,4.6L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=8.3km az=66.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 1s1.0 Moment tensor: Scale 10^{16}Nm;
Mrr1.39 Mθθ-1.01 Mφφ-0.38 Mrθ2.75 Mθφ1.34 Mφr-5.34 NP1:φs152.15000°,δ82.97000°
,λ99.35000°. NP2:φs278.74000°,δ11.68000°,λ37.17000°. Principal axes:
T 6.1552,Plg51.0000°,Azm73.0000°; N 0.2469,Plg9.0000°,Azm331.0000°
; P -6.4021,Plg37.0000°,Azm234.0000° Mo6.28000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function. Moment Tensor Solution. s59,c71; s93,c127;Duration: 0
Moment tensor: Scale 10^{16}Nm; Mrr4.72±.27 Mθθ-1.44±.17; Mφφ-3.28±.19; Mrθ2.38±.27;
Mθφ3.28±.11; Mφr-3.51±.30; Best double couple: NP1:φs145.00000°,δ65.00000°,λ92.00000°.
NP2:φs320.00000°,δ26.00000°,λ85.00000°. Principal axes: T 6.2250,Plg70.0000°
,Azm60.0000°; N 1.0390,Plg2.0000°,Azm324.0000°; P -7.2640,Plg19.0000°,Azm233.0000°
Mo6.74500×10^{16}
GUC Error ellipse: s-maj=4.6km s-min=3.0km az=-1.0.
IDC Error ellipse: s-maj=22.7km s-min=13.1km az=47.0.

ISC V 09 01 51 32.3–.77 15.84S–.08 75.29W–.10 25 3.6b 46 4-121
NEIC V 09 01 51 32.0–1.7 15.78S–.08 75.5W–.10 35–2 4.1b **¶610689863**
IDC V 09 01 51 34.8–1.1 15.75S 75.22W 45–9 3.7,3.7L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.9km s-min=11.9km az=66.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=35.9km s-min=16.3km az=49.0.
ISC V 21 11 43 17.8–.96 13.3S–.10 76.2W–.10 55 3.7b 15 1-145
IDC V 21 11 43 17.9–2.6 13.34S 76.24W 56–18 3.6,3.4L **¶610685083**
ISC Event type ke.
IDC Error ellipse: s-maj=56.0km s-min=13.2km az=51.0.
ISC V 28 04 38 35.6–1.3 15.8S–.20 74.1W–.20 54 7 5-122
IDC V 28 04 38 34.3–2.8 16.11S 74.77W 67–23 3.8,3.5b **¶610685538**
ISC Event type ke.
IDC Error ellipse: s-maj=48.8km s-min=17.6km az=32.0.
ISC V 28 13 34 28.1–.81 16.45S–.09 72.78W–.10 57 3.4b 33 3-85
NEIC V 28 13 34 29.7–.78 16.51S–.06 72.8W–.10 63–11 4.1b **¶611150904**
IDC V 28 13 34 32.7–2.9 13.23S 70.84W 0 3.9L,3.5
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.2km s-min=1.3km az=60.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=118.6km s-min=30.5km az=53.0.
ISC VI 01 15 09 23.5–.50 16.02S–.06 74.46W–.07 49 4.4b,4.0s 136 5-173
VAO VI 01 15 09 19.9–.44 15.93S 74.44W 10 4.6b,4.0s **¶610657929**
NEIC VI 01 15 09 22.6–1.7 15.96S–.07 74.51W–.09 35–2 4.5b,4.0s
IDC VI 01 15 09 25.0–1.7 16.06S 74.50W 57–16 4.4,4.1b
ISC Event type se.
VAO Error ellipse: s-maj=2.8km s-min=5.2km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=16.0km s-min=10.6km az=243.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=25.7km s-min=11.1km az=56.0.
ISC VI 07 06 19 36.8–.84 15.85S–.08 74.6W–.10 10 4.0b 33 4-122
IDC VI 07 06 19 31.8–2.9 16.47S 74.93W 0 4.0L,3.7 **¶610791379**
NEIC VI 07 06 19 37.5–1.6 15.92S–.08 74.61W–.08 10–1 4.3b,3.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 15 18 27 06.7–.52 16.30S–.05 72.18W–.06 92 4.1b 110 3-152
NEIC VI 15 18 27 03.9–1.1 16.26S–.07 72.61W–.09 80–12 4.4b **¶610791957**
IDC VI 15 18 27 07.6–1.5 16.25S 72.01W 98–14 4.4,3.8b
VAO VI 15 18 27 07.5–.70 16.20S 72.14W 87–5 4.4b,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.8km s-min=5.2km az=50.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=21.5km s-min=11.6km az=45.0.
VAO Error ellipse: s-maj=3.3km s-min=6.7km az=-1.0.
ISC VI 18 05 24 35.0–.64 14.46S–.07 76.28W–.09 23 4.1b,3.7s 86 3-168
IDC VI 18 05 24 31.4–.94 14.35S 76.25W 0 4.1b,4.0 **¶610681501**
NEIC VI 18 05 24 35.3–1.1 14.46S–.08 76.3W–.10 25–5 4.3b,4.0
VAO VI 18 05 24 39.6–.74 14.33S 75.91W 27 4.2b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=33.3km s-min=13.0km az=64.0.
NEIC Event type se. Error ellipse: s-maj=17.6km s-min=9.4km az=62.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Error ellipse: s-maj=3.8km s-min=7.9km az=-1.0.
GUC VI 27 19 14 43.7–.64 17.30S 70.14W 10–4 3.3L
¶612739615
GUC Error ellipse: s-maj=3.4km s-min=3.6km az=-1.0.
ISC VI 28 09 48 13.5–1.0 12.71S–.09 76.7W–.10 50 24 1-145
IDC VI 28 09 48 07.7–1.6 12.90S 77.17W 0 3.6L,3.5 **¶610699022**
NEIC VI 28 09 48 12.9–1.9 12.73S–.08 76.7W–.10 56–14 4.2b,3.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC VI 30 08 36 25.7–2.8 12.58S–.01 77.1W–.10 40–12 4.3b
¶611189234
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(116) Central Peru.

IDC I 01 00 10 35.0–2.2 14.08S 70.56W 0 3.4,3.4b
¶610236340
IDC Error ellipse: s-maj=112.8km s-min=23.4km az=43.0.
ISC I 19 21 13 17.7–.71 14.87S–.06 72.57W–.07 114 61 4-147
VAO I 19 21 13 11.4–.78 14.82S 72.52W 10 4.3b **¶610237746**
IDC I 19 21 13 18.6–2.0 14.84S 72.40W 97–23 4.2,4.0b
NEIC I 19 21 13 18.1–2.6 14.96S–.08 72.67W–.08 122–16 4.2b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 28 12 22 12.5–.49 11.48S–.06 73.15W–.06 35 4.0b,3.5s 66 4-148
IDC I 28 12 22 06.5–.70 11.39S 73.04W 0 3.9,3.9b **¶610235559**
VAO I 28 12 22 12.9–.60 11.45S 73.29W 42–8 4.2b,3.9b
NEIC I 28 12 22 14.4–1.1 11.47S–.06 73.21W–.07 49–13 4.4b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC I 29 02 23 56.2–6.2 12.86S 75.63W 0 3.6s,3.6
¶610235607
IDC Error ellipse: s-maj=264.7km s-min=38.7km az=35.0.
ISC I 30 11 46 47.0–.41 14.54S–.05 72.88W–.06 83 4.3b 154 5-167
VAO I 30 11 46 46.3–.69 14.50S 72.82W 71–6 4.8b **¶610147765**
IDC I 30 11 46 46.4–1.9 14.54S 72.83W 74–18 4.3,3.9b
NEIC I 30 11 46 47.1–2.2 14.52S–.08 72.90W–.10 71–8 4.7b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 01 11 38 30.2–.45 11.17S–.05 76.52W–.07 100 4.5b 98 1-165
IDC II 01 11 38 30.0–.68 11.16S 76.65W 97–9 4.2,3.9b **¶610159963**
NEIC II 01 11 38 30.1–1.3 11.19S–.05 76.47W–.08 97–8 4.6b,3.9b
VAO II 01 11 38 32.9–.79 11.07S 76.29W 97 4.2b,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=22.0km s-min=13.8km az=61.0.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=6.5km az=106.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Error ellipse: s-maj=4.9km s-min=8.9km az=-1.0.
IDC II 12 05 47 35.2–7.1 13.15S 74.96W 0 3.6b,3.5
¶610415357
IDC Error ellipse: s-maj=286.2km s-min=30.0km az=34.0.
IDC II 17 13 02 55.2–3.2 14.96S 71.16W 0 3.9,3.9b
¶610415697
IDC Error ellipse: s-maj=153.4km s-min=29.3km az=35.0.
ISC II 20 03 50 26.3–.55 10.38S–.05 75.60W–.06 25 4.3b 63 2-134
IDC II 20 03 50 21.5–1.1 10.38S 75.41W 0 3.9b,3.8 **¶610384667**
NEIC II 20 03 50 26.4–2.4 10.61S–.09 75.44W–.08 43–12 4.3b,3.8
VAO II 20 03 50 37.1–.58 10.10S 74.56W 10 3.9b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=32.3km s-min=22.4km az=120.0.
NEIC Event type se. Error ellipse: s-maj=13.3km s-min=10.6km az=145.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Error ellipse: s-maj=3.6km s-min=6.4km az=-1.0.
ISC II 23 08 40 17.5–.60 10.81S–.07 75.43W–.07 35 4.1b,3.4s 44 2-138
IDC II 23 08 40 12.8–1.1 10.53S 75.48W 0 3.8,3.8b **¶610384861**
NEIC II 23 08 40 16.3–2.8 10.90S–.07 75.48W–.04 24–8 4.2b,3.8b

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 23 08 46 21.2–.57 10.93S–.06 75.27W–.07 35 3.7b 41 2-138
IDC II 23 08 46 18.0–1.1 10.55S 75.46W 0 3.8,3.8b **¶610384865**
NEIC II 23 08 46 21.6–2.0 10.99S–.06 75.34W–.06 95–15 4.1b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 25 16 26 45.5–.93 13.3S–.10 72.51W–.08 35 15 4-146
VAO II 25 16 26 43.9–1.4 13.80S 72.84W 10 4.2b **¶610385010**
IDC II 25 16 26 46.7–2.1 13.22S 72.44W 54–29 3.8,3.5b
ISC Event type ke.
VAO Error ellipse: s-maj=8.4km s-min=13.6km az=-1.0.
IDC Error ellipse: s-maj=77.2km s-min=15.1km az=21.0.
IDC III 02 19 18 45.0–1.8 12.96S 70.05W 0 4.0L,3.6
¶610545406
IDC Error ellipse: s-maj=77.4km s-min=27.5km az=57.0.
ISC III 07 15 37 01.2–.59 11.74S–.07 75.13W–.06 10 3.8b 54 2-165
NEIC III 07 15 37 04.3–1.8 11.82S–.07 75.18W–.09 51–26 4.3b **¶610271568**
IDC III 07 15 37 05.7–1.7 12.00S 75.19W 60–18 3.7,3.4b
VAO III 07 15 37 13.7–.66 11.19S 74.18W 10 4.2b,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.5km s-min=9.5km az=106.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=21.8km s-min=13.2km az=13.0.
VAO Error ellipse: s-maj=4.1km s-min=7.2km az=-1.0.
ISC III 08 03 28 34.5–.38 14.50S–.05 70.62W–.06 200 4.6b 250 3-152
IDC III 08 03 28 35.0–.73 14.38S 70.48W 203–6 4.4,3.8b **¶610545773**
VAO III 08 03 28 35.1–.31 14.48S 70.66W 192 4.3b,3.8b
NEIC III 08 03 28 35.6–1.9 14.49S–.07 70.59W–.09 205–10 4.6b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC III 12 21 19 13.4–5.0 14.82S 71.68W 138–67 3.5,3.3b
¶610546097
IDC Error ellipse: s-maj=306.0km s-min=52.1km az=23.0.
ISC III 24 04 34 14.9–.43 13.39S–.06 75.24W–.07 101 4.2b 116 2-167
NEIC III 24 04 34 14.7–2.4 13.37S–.07 75.21W–.05 92–7 4.4b **¶610434520**
IDC III 24 04 34 14.7–1.2 13.42S 75.40W 99–11 4.2,3.9b
VAO III 24 04 34 15.6–.68 13.31S 75.21W 83 4.4b,3.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=7.2km az=194.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=22.7km s-min=10.4km az=59.0.
VAO Error ellipse: s-maj=2.9km s-min=8.0km az=-1.0.
ISC III 28 00 35 12.4–.55 14.59S–.06 74.05W–.07 91 4.3b 87 4-168
IDC III 28 00 35 12.1–1.3 14.50S 73.98W 75–13 4.1,3.8b **¶610437099**
NEIC III 28 00 35 12.8–1.7 14.54S–.08 73.99W–.08 87–12 4.5b,3.8b
VAO III 28 00 35 13.4–.39 14.36S 74.04W 87 4.1b,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=29.0km s-min=8.8km az=41.0.
NEIC Event type se. Error ellipse: s-maj=16.6km s-min=1.5km az=222.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Error ellipse: s-maj=3.5km s-min=4.9km az=-1.0.
ISC III 30 13 25 12.1–.42 10.70S–.05 73.64W–.05 138 4.0b 85 3-139
VAO III 30 13 24 59.3–.76 11.06S 74.46W 10 4.5b **¶610543993**
NEIC III 30 13 25 11.5–1.9 10.71S–.07 73.69W–.10 138–9 4.5b
IDC III 30 13 25 12.3–.66 10.56S 73.50W 130–6 4.2,3.7b
ISC Event type se.
VAO Error ellipse: s-maj=7.6km s-min=8.4km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=14.2km s-min=10.0km az=103.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=16.1km s-min=12.0km az=71.0.
ISC III 31 01 45 51.9–.38 10.35S–.04 75.00W–.05 129 4.7b 172 2-164
NEIC III 31 01 45 51.8–1.9 10.34S–.06 74.97W–.06 119–6 4.8b **¶610460784**
IDC III 31 01 45 52.5–1.1 10.32S 75.07W 129–12 4.4,4.0b
VAO III 31 01 45 53.2–.35 10.24S 74.89W 114 4.5b,4.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=8.4km az=134.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=14.1km s-min=9.8km az=63.0.
VAO Error ellipse: s-maj=3.4km s-min=4.4km az=-1.0.
ISC III 31 08 17 05.8–.42 9.15S–.05 75.50W–.06 120 4.5b 112 3-163
IDC III 31 08 17 04.5–2.2 9.16S 75.35W 110–22 4.0,3.6b **¶610460799**
NEIC III 31 08 17 06.2–1.7 9.25S–.07 75.41W–.08 116–7 4.5b,3.6b
VAO III 31 08 17 09.0–.63 9.15S 75.28W 124 4.4b,3.6b
ISC Event type se.
IDC Error ellipse: s-maj=27.7km s-min=16.9km az=82.0.
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=10.5km az=133.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Error ellipse: s-maj=4.6km s-min=7.3km az=-1.0.
ISC IV 01 11 11 09.2–.93 10.0S–.20 74.5W–.20 10 3.6b 11 3-139
IDC IV 01 11 11 07.7–1.3 9.89S 74.57W 0 3.4,3.4b **¶610651695**
ISC Event type ke.
IDC Error ellipse: s-maj=63.6km s-min=17.8km az=42.0.
ISC IV 02 07 28 12.0–.64 9.91S–.06 75.30W–.07 41 3.5b 31 3-80
IDC IV 02 07 28 07.5–1.1 9.81S 75.56W 0 3.6,3.5b **¶610651745**
NEIC IV 02 07 28 11.8–2.0 9.96S–.09 75.4W–.10 89–13 4.1b,3.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 07 02 43 01.0–.45 14.31S–.05 73.62W–.06 87 3.9b 133 4-167
IDC IV 07 02 42 59.6–1.6 14.28S 73.59W 66–15 4.1,3.7b **¶610518284**
NEIC IV 07 02 42 59.9–2.4 14.34S–.07 73.66W–.10 71–15 4.4b,3.7b
VAO IV 07 02 43 00.0–.70 14.27S 73.54W 55–5 4.5b,3.7b
ISC Event type se.
IDC Error ellipse: s-maj=21.9km s-min=10.4km az=48.0.
NEIC Event type se. Error ellipse: s-maj=17.1km s-min=1.9km az=53.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Error ellipse: s-maj=2.4km s-min=6.0km az=-1.0.
ISC IV 10 13 16 29.5–.69 14.84S–.08 74.3W–.10 68 3.7b 33 4-147
IDC IV 10 13 16 29.6–1.9 15.17S 74.67W 96–15 3.8,3.2b **¶610652383**
NEIC IV 10 13 16 30.5–1.7 14.7S–.10 74.3W–.10 79–10 4.4b,3.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 13 09 24 52.7–.97 13.45S–.08 70.4W–.10 35 3.5b 23 4-83
IDC IV 13 09 24 43.2–8.4 17.96S 72.26W 117–56 3.6,3.2b **¶616087624**
VAO IV 13 09 24 51.2–.60 13.46S 70.27W 10 3.9b,3.2b
ISC Event type ke.
IDC Error ellipse: s-maj=102.0km s-min=36.0km az=14.0.
VAO Error ellipse: s-maj=3.0km s-min=6.6km az=-1.0.
ISC IV 19 07 21 56.1–.42 11.34S–.05 75.80W–.05 35 4.6b,3.7s 128 1-165
NEIC IV 19 07 21 56.2–1.6 11.21S–.07 75.7W–.10 20–6 4.7b,3.7s **¶610532811**
VAO IV 19 07 21 57.4–.59 11.24S 75.40W 10 4.4b,3.7s
IDC IV 19 07 21 58.1–1.5 11.40S 76.06W 56–17 4.0,3.7s
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.7km s-min=9.2km az=73.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Error ellipse: s-maj=3.4km s-min=6.3km az=-1.0.
IDC Error ellipse: s-maj=19.1km s-min=12.7km az=39.0.
ISC IV 21 06 12 03.6–.58 9.17S–.06 75.84W–.08 35 4.1b 57 3-81
IDC IV 21 06 11 58.6–2.9 9.23S 75.89W 0 3.5b,3.4 **¶610547200**
VAO IV 21 06 12 00.2–.65 9.44S 75.92W 10 4.1b,3.4
NEIC IV 21 06 12 05.0–1.8 9.06S–.07 75.89W–.09 45–9 4.3b,3.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 23 22 55 55.9–.90 14.9S–.10 73.8W–.10 100 3.5b 9 4-85
IDC IV 23 22 55 54.9–1.8 14.72S 73.66W 77–24 3.8,3.6s **¶610649838**
ISC Event type ke.
IDC Error ellipse: s-maj=51.4km s-min=13.1km az=44.0.
ISC V 08 08 08 19.8–.23 8.03S–.04 76.60W–.04 35 5.3b,4.7s 1333 2-173
VAO V 08 08 08 17.1–.26 8.05S 76.51W 10 5.4b,4.7s **¶610617959**
NEIC V 08 08 08 17.1–2.0 8.05S–.06 76.66W–.07 10–1 5.4b,5.2
MOS V 08 08 08 18.4–1.1 8.04S 76.74W 35 5.4b,5.2
IDC V 08 08 08 20.6–.85 8.07S 76.65W 42–7 5.0,4.8b
GCMT V 08 08 08 21.9–.20 8.11S–.01 76.68W–.01 16 5.4W,4.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s76,c109; s118,c174;Duration: 1^{s}.2 Moment tensor: Scale 10^{17}Nm; M_{rr}0.25±.01 $M_{\theta\theta}$0.02±.01; $M_{\phi\phi}$-0.27±.01; $M_{r\theta}$-0.17±.03; $M_{\theta\phi}$0.24±.01; $M_{\phi r}$1.66±.03; Best double couple: NP1:ϕ_s354.00000°,δ85.00000°,λ97.00000°. NP2:ϕ_s119.00000°,δ8.00000°,λ35.00000°. Principal axes: T 1.6720,Plg49.0000° ,Azm271.0000°; N 0.0670,Plg7.0000°,Azm173.0000°; P -1.7380,Plg40.0000°,Azm78.0000° $M_0$1.70500×10^{17}
ISC V 14 09 40 19.4–1.1 12.2S–.20 70.9W–.20 35 3.6b 6 5-82
IDC V 14 09 40 13.7–1.5 12.33S 71.05W 0 3.5L,3.4 **¶610690263**
ISC Event type ke.
IDC Error ellipse: s-maj=59.6km s-min=17.3km az=46.0.
ISC V 16 17 09 05.3–.43 14.51S–.03 73.47W–.04 5–2 5.4b,4.7s 1084 4-174
NEIC V 16 17 09 06.0–1.8 14.53S–.06 73.41W–.07 10–1 5.4b,5.4 **¶610641627**
VAO V 16 17 09 06.9–.45 14.51S 73.43W 10 5.0b,5.4
NEIC V 16 17 09 07 14.46S 74.35W 12 5.0b,5.4
NEIC V 16 17 09 07 14.56S 73.42W 10 5.0b,5.4
GCMT V 16 17 09 08.9–.10 14.56S–.01 73.33W–.01 22–0 5.4W,5.4
MOS V 16 17 09 08.5–1.5 14.52S 73.57W 34 5.4b,4.7s
BGR V 16 17 09 10.1 14.45S 73.50W 19 5.5b,4.7s
IDC V 16 17 09 11.0–1.8 14.49S 73.42W 43–16 4.8,4.6s
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=13.0km s-min=8.7km az=237.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Error ellipse: s-maj=2.6km s-min=5.5km az=-1.0.
NEIC Event type se. Moment Tensor Solution.Duration: 2^{s}.4 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.15 $M_{\theta\theta}$1.28 $M_{\phi\phi}$-1.13 $M_{r\theta}$0.90 $M_{\theta\phi}$0.01 $M_{\phi r}$-0.76 NP1:ϕ_s312.14000°,δ87.16000° ,λ-44.70000°. NP2:ϕ_s44.95000°,δ45.37000°,λ-176.00000°. Principal axes: T 1.7518,Plg27.0000°,Azm8.0000°; N -0.1279,Plg45.0000°,Azm129.0000° ; P -1.6239,Plg32.0000°,Azm259.0000° $M_0$1.69000×10^{17}
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s118,c179; s121,c208;Duration: 1^{s}.2 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.00±.03 $M_{\theta\theta}$1.66±.02; $M_{\phi\phi}$-0.66±.03; $M_{r\theta}$-0.12±.04; $M_{\theta\phi}$-0.37±.02; $M_{\phi r}$-0.50±.05; Best double couple: NP1:ϕ_s68.00000°,δ57.00000°,λ-137.00000°. NP2:ϕ_s310.00000°,δ55.00000°,λ-42.00000°. Principal axes: T 1.7180,Plg1.0000° ,Azm189.0000°; N -0.3240,Plg37.0000°,Azm98.0000°; P -1.3940,Plg53.0000° ,Azm280.0000° $M_0$1.55600×10^{17}
MOS Error ellipse: s-maj=12.5km s-min=5.6km az=111.6.
BGR Event type ke.
IDC Error ellipse: s-maj=18.6km s-min=11.4km az=61.0.
ISC V 18 13 00 01.3–.67 14.50S–.08 73.49W–.08 10 3.9b,3.3s 32 4-96
IDC V 18 12 59 52.1–3.0 16.31S 74.49W 0 3.8,3.7b **¶610690598**
NEIC V 18 13 00 02.1–2.7 14.53S–.08 73.51W–.09 10–2 4.3b,3.7b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 23 02 24 35.7–.94 9.73S–.08 75.3W–.10 100 9 3-138
IDC V 23 02 24 36.7–1.8 9.79S 75.44W 118–23 3.5,3.0b **¶610685192**
ISC Event type ke.
IDC Error ellipse: s-maj=26.2km s-min=12.0km az=69.0.
IDC V 27 17 09 06.9–2.8 13.87S 74.20W 0 4.0L,3.8
¶610685507
IDC Error ellipse: s-maj=50.8km s-min=46.9km az=137.0.
ISC VI 08 14 01 11.5–.30 8.05S–.03 75.77W–.04 133–2 5.4b 1221 3-168
MOS VI 08 14 01 08.1–.98 7.95S 75.84W 108 5.3b **¶616984064**
IDC VI 08 14 01 09.9–.85 8.02S 75.88W 118–7 5.3,5.0b
NEIC VI 08 14 01 10.0–2.2 8.00S–.04 75.86W–.07 109–3 5.4b,5.2
VAO VI 08 14 01 10.8–.24 8.00S 75.73W 124 5.6b,5.2
NEIC VI 08 14 01 10 8.00S 75.86W 110 5.6b,5.2
NEIC VI 08 14 01 10 8.10S 75.66W 110 5.6b,5.2
GCMT VI 08 14 01 13.0–.20 7.99S–.01 75.74W–.01 137–1 5.3W,5.2
BGR VI 08 14 01 22.9 5.88S 73.62W 99–0 5.3b,5.2
ISC Event type ke.
MOS Error ellipse: s-maj=10.5km s-min=5.7km az=100.0.
IDC Error ellipse: s-maj=10.5km s-min=6.6km az=63.0.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=6.1km az=95.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Error ellipse: s-maj=2.7km s-min=3.5km az=-1.0.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2^{s}.0 Moment tensor: Scale 10^{16}Nm; M_{rr}-6.91 $M_{\theta\theta}$0.29 $M_{\phi\phi}$6.62 $M_{r\theta}$-0.56 $M_{\theta\phi}$-1.59 $M_{\phi r}$2.90 NP1:ϕ_s167.60000°,δ56.50000° ,λ-88.95000°. NP2:ϕ_s345.70000°,δ33.52000°,λ-91.59000°. Principal axes: T 7.5949,Plg11.0000°,Azm257.0000°; N -0.0803,Plg1.0000°,Azm347.0000° ; P -7.5146,Plg78.0000°,Azm81.0000° $M_0$7.55000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s103,c139; s139,c226;Duration: 1^{s}.0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.81±.01 $M_{\theta\theta}$-0.12±.02; $M_{\phi\phi}$0.92±.02; $M_{r\theta}$-0.23±.01; $M_{\theta\phi}$-0.02±.02; $M_{\phi r}$0.39±.01; Best double couple: NP1:ϕ_s165.00000°,δ59.00000°,λ-106.00000°. NP2:ϕ_s14.00000°,δ35.00000°,λ-66.00000°. Principal axes: T 1.0160,Plg12.0000° ,Azm266.0000°; N -0.0620,Plg14.0000°,Azm173.0000°; P -0.9540,Plg71.0000° ,Azm37.0000° $M_0$0.98500×10^{17}
BGR Event type ke.
VAO VI 27 02 24 41.6–.75 13.92S 70.71W 10 4.1b
¶616173710
VAO Error ellipse: s-maj=4.5km s-min=7.7km az=-1.0.

(117) Southern Peru.

ISC I 10 04 53 55.5–.58 15.66S–.05 71.97W–.08 10 4.5b,4.1s 110 3-152
NEIC I 10 04 53 55.1–1.8 15.73S–.05 72.11W–.09 4–6 4.6b,4.5 **¶610050779**
IDC I 10 04 53 55.5–.91 15.47S 71.65W 0 4.0s,4.0
VAO I 10 04 53 58.6–.44 15.63S 71.64W 10 4.2b,4.0
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.7km s-min=6.0km az=65.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-3.55 $M_{\theta\theta}$4.74 $M_{\phi\phi}$-1.19 $M_{r\theta}$6.79 $M_{\theta\phi}$1.56 $M_{\phi r}$0.20 NP1:ϕ_s56.90000°,δ18.23000°,λ-119.76000°. NP2:ϕ_s267.94000°,δ74.24000° ,λ-80.72000°. Principal axes: T 8.7608,Plg29.0000°,Azm350.0000°; N -1.3449,Plg9.0000° ,Azm85.0000°; P -7.4158,Plg60.0000°,Azm191.0000° $M_0$8.17000×10^{15}
IDC Error ellipse: s-maj=43.3km s-min=29.9km az=71.0.
VAO Error ellipse: s-maj=3.1km s-min=4.9km az=-1.0.
ISC I 10 19 19 37.1–1.3 15.4S–.20 70.9W–.10 10 3.6s 14 3-152
IDC I 10 19 19 35.8–3.4 15.23S 70.58W 0 4.0,4.0b **¶610237098**
VAO I 10 19 19 51.7–2.5 15.04S 69.76W 10 4.2b,4.0b
ISC Event type ke.
IDC Error ellipse: s-maj=142.3km s-min=83.7km az=6.0.
VAO Error ellipse: s-maj=7.8km s-min=22.8km az=-1.0.
ISC I 12 15 13 47.4–.62 15.47S–.06 72.42W–.08 10 4.4b,3.5s 97 4-168
NEIC I 12 15 13 47.3–1.8 15.50S–.09 72.4W–.10 10–2 4.4b,3.5s **¶610064837**
IDC I 12 15 13 52.2–.84 15.51S 71.61W 0 4.3,4.3b

VAO I 12 15 13 56.1–.74 15.61S 72.06W 55–7 4.2b,4.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.7km s-min=14.4km az=278.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=38.0km s-min=21.3km az=78.0.
VAO Error ellipse: s-maj=3.8km s-min=6.5km az=-1.0.
VAO I 12 15 27 58.4–1.6 15.69S 71.65W 52–11 3.9b
¶615407713
VAO Error ellipse: s-maj=7.0km s-min=14.7km az=-1.0.
ISC I 18 08 03 24.9–.59 15.59S–.04 70.27W–.05 227–6 4.2b 202 2-167
IDC I 18 08 03 25.5–.77 15.38S 70.18W 212–7 4.3,3.8b **¶610099200**
VAO I 18 08 03 25.8–.45 15.42S 70.25W 229–4 4.2b,3.8b
NEIC I 18 08 03 25.3–2.9 15.59S–.07 70.26W–.09 236–8 4.3b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 19 07 47 56.4–2.1 15.2S–.10 71.8W–.20 124 10 7-27
VAO I 19 07 47 55.5–1.3 15.19S 71.85W 116–15 4.0b **¶615407735**
ISC Event type ke.
VAO Error ellipse: s-maj=9.1km s-min=11.0km az=-1.0.
ISC I 31 07 54 09.7–.94 15.20S–.08 71.8W–.10 150 3.1b 18 4-152
IDC I 31 07 54 10.3–3.1 15.34S 71.77W 170–32 3.5,3.1b **¶610235794**
ISC Event type ke.
IDC Error ellipse: s-maj=34.0km s-min=27.3km az=116.0.
ISC II 01 10 35 48.3–.33 15.67S–.04 70.20W–.06 225 4.6b 308 2-167
VAO II 01 10 35 46.5–.32 15.60S 70.29W 205 4.7b **¶610159959**
NEIC II 01 10 35 47.3–2.3 15.62S–.07 70.32W–.08 216–8 5.0L,4.6b
GUC II 01 10 35 48.1–.48 15.84S 70.59W 243–7 5.0L,4.6b
IDC II 01 10 35 49.4–.57 15.52S 70.01W 225–4 4.5,3.8b
ISC Event type se.
VAO Error ellipse: s-maj=2.3km s-min=4.2km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=10.0km az=82.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=5.5km s-min=5.4km az=-1.0.
IDC Error ellipse: s-maj=16.6km s-min=9.0km az=36.0.
ISC II 06 04 32 12.2–.88 15.56S–.10 70.68W–.08 200 11 3-148
IDC II 06 04 32 12.6–1.1 15.38S 70.60W 197–10 3.8,3.2b **¶610414930**
ISC Event type ke.
IDC Error ellipse: s-maj=32.0km s-min=12.7km az=22.0.
ISC II 09 00 50 29.5–.38 15.15S–.05 73.98W–.06 70–3 5.0b 510 4-175
NEIC II 09 00 50 30.1–1.2 15.09S–.07 73.98W–.09 71–6 5.1b,4.8 **¶610205756**
BJI II 09 00 50 32.0–.00 15.10S 74.00W 92 5.2b,4.8
IDC II 09 00 50 32.3–.71 15.05S 73.97W 90–5 4.7,4.3b
VAO II 09 00 50 32.5–.46 15.02S 73.68W 73 4.9b,4.3b
NEIC II 09 00 50 35.1 15.18S 74.11W 70 4.9b,4.3b
GCMT II 09 00 50 36.1–.30 15.04S–.02 74.15W–.02 111–3 5.0W,4.3b
ISC Event type se. Moment Tensor Solution. NP1:ϕs357.28207°,δ42.02100°,λ-60.78471°. NP2: ϕs140.31078°,δ54.25002°,λ-113.74011°. Principal axes: T Plg6.4412°,Azm246.9582° ; N Plg19.0705°,Azm154.7215°; P Plg69.7905°,Azm354.8177° Moment Tensor Solution. NP1:ϕs105.21425°,δ86.30532°,λ-162.71906°. NP2:ϕs14.06578°,δ72.75610°,λ-3.86882°. Principal axes: T Plg9.4420°,Azm238.4075°; N Plg72.3403°,Azm116.9167°; P Plg14.7843° ,Azm330.9230°
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution.Duration: 1s2 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.34 $M_{\theta\theta}$-0.07 $M_{\phi\phi}$1.41 $M_{r\theta}$-0.71 $M_{\theta\phi}$-0.63 $M_{\phi r}$-0.23 NP1:ϕs134.92000°,δ51.69000° ,λ-126.17000°. NP2:ϕs4.63000°,δ50.70000°,λ-53.24000°. Principal axes: T 1.6473,Plg1.0000°,Azm250.0000°; N 0.0872,Plg28.0000°,Azm159.0000° ; P -1.7345,Plg62.0000°,Azm341.0000° $M_0$1.69000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s35,c36; s90,c114;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.28±.12 $M_{\theta\theta}$-1.54±.14; $M_{\phi\phi}$3.81±.15; $M_{r\theta}$-1.17±.08; $M_{\theta\phi}$-2.51±.13; $M_{\phi r}$-0.15±.12; Best double couple: NP1:ϕs122.00000°,δ64.00000° ,λ-146.00000°. NP2:ϕs15.00000°,δ60.00000°,λ-31.00000°. Principal axes: T 4.8160,Plg2.0000°,Azm248.0000°; N -1.2660,Plg48.0000°,Azm155.0000° ; P -3.5600,Plg42.0000°,Azm340.0000° $M_0$4.18800×10^{16}
ISC II 19 01 14 00.1–1.3 15.65S–.09 70.5W–.10 200 3.3b 15 2-85
IDC II 19 01 14 04.4–3.0 15.26S 69.83W 217–39 3.8,3.2b **¶610415787**
ISC Event type ke.
IDC Error ellipse: s-maj=169.0km s-min=45.4km az=20.0.
ISC II 19 01 27 24.8–.85 15.88S–.06 71.58W–.10 150 3.7b 35 3-148
IDC II 19 01 27 23.3–1.3 15.60S 71.67W 135–12 4.0,3.5b **¶610415790**
VAO II 19 01 27 30.3–.74 15.88S 70.29W 89–10 4.0b,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=29.6km s-min=11.0km az=25.0.
VAO Error ellipse: s-maj=4.9km s-min=7.5km az=-1.0.
ISC II 24 03 11 42.0–.41 15.89S–.04 71.60W–.05 148–3 4.9b 291 3-167
NEIC II 24 03 11 41.3–1.9 15.83S–.06 71.64W–.09 142–5 4.9b **¶610240075**
VAO II 24 03 11 43.9–.32 15.76S 71.33W 141 5.1b
IDC II 24 03 11 44.6–.50 15.69S 71.39W 149–3 4.7,4.3b
GCMT II 24 03 11 47.3–.40 15.77S–.03 71.46W–.02 176–4 5.0W,4.3b
ISC Event type se. Moment Tensor Solution. NP1:ϕs120.69144°,δ63.03626°,λ167.48663°. NP2: ϕs216.43796°,δ78.86542°,λ27.52434°. Principal axes: T Plg27.2049°,Azm81.6028° ; N Plg60.4728°,Azm236.7719°; P Plg10.6068°,Azm346.0788°
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s12,c13; s76,c98;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.00±.15 $M_{\theta\theta}$-2.05±.16; $M_{\phi\phi}$2.05±.18; $M_{r\theta}$1.56±.10; $M_{\theta\phi}$-2.77±.18; $M_{\phi r}$-1.26±.14; Best double couple: NP1:ϕs107.00000°,δ84.00000°,λ152.00000°. NP2:ϕs201.00000°,δ63.00000°,λ7.00000°. Principal axes: T 4.2490,Plg24.0000° ,Azm61.0000°; N -0.5890,Plg62.0000°,Azm276.0000°; P -3.6600,Plg14.0000° ,Azm157.0000° $M_0$3.95400×10^{16}
ISC II 24 10 45 21.9–.66 16.37S–.05 71.56W–.06 107–6 4.2b 124 2-149
VAO II 24 10 45 09.9–.59 16.37S 71.93W 10 4.3b **¶610384929**
NEIC II 24 10 45 20.7–2.1 16.26S–.07 71.63W–.09 94–8 4.3b
IDC II 24 10 45 24.2–1.8 16.23S 71.46W 116–16 4.1,3.7b
ISC Event type se.
VAO Error ellipse: s-maj=3.8km s-min=6.7km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=9.2km az=71.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=19.3km s-min=13.5km az=45.0.
NEIC II 26 12 33 57.4–2.9 15.00S–.09 72.0W–.10 96–21 4.5b
¶611149099
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 27 17 41 37.2–1.1 15.65S–.07 70.3W–.10 247–13 47 2-18
NEIC II 27 17 41 38.0–1.6 15.5S–.10 70.3W–.20 224–20 4.1b **¶610243140**
GUC II 27 17 41 39.0–.53 15.78S 70.64W 258–16 4.2L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=27.8km s-min=13.3km az=113.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=13.2km s-min=11.5km az=-1.0.
ISC II 27 23 39 06.4–.70 15.62S–.08 71.7W–.10 10 3.6b 19 3-148
GUC II 27 23 39 05.5–.53 15.65S 72.38W 225–82 5.0L **¶610385159**
IDC II 27 23 39 05.2–1.0 15.58S 71.63W 0 3.7,3.7L
ISC Event type ke.
GUC Error ellipse: s-maj=45.2km s-min=15.7km az=-1.0.
IDC Error ellipse: s-maj=37.3km s-min=20.1km az=63.0.
ISC III 09 00 51 51.3–.67 15.27S–.06 71.38W–.08 35 4.0b 26 3-147
VAO III 09 00 51 48.3–.75 15.46S 71.73W 10 4.3b **¶610545843**
IDC III 09 00 51 51.4–2.0 15.32S 71.27W 43–21 3.8,3.6b
ISC Event type ke.
VAO Error ellipse: s-maj=4.7km s-min=8.0km az=-1.0.
IDC Error ellipse: s-maj=24.4km s-min=15.7km az=57.0.
ISC III 16 18 50 39.4–.81 15.33S–.06 71.58W–.09 150 3.6b 73 3-148
VAO III 16 18 50 33.2–1.5 15.09S 72.19W 126 4.2b **¶610331413**
NEIC III 16 18 50 38.0–1.8 15.25S–.04 71.8W–.10 125–11 4.2b,4.1L
GUC III 16 18 50 41.8–.63 15.58S 71.70W 181–9 4.1L,4.1L
IDC III 16 18 50 44.1–4.0 15.26S 71.09W 173–33 3.7,3.2b
ISC Event type se.
VAO Error ellipse: s-maj=6.3km s-min=16.0km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=19.1km s-min=5.1km az=78.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=7.9km s-min=7.1km az=-1.0.
IDC Error ellipse: s-maj=46.2km s-min=29.9km az=102.0.
ISC III 23 12 10 14.8–.55 15.12S–.05 72.15W–.06 124 3.9b 98 4-147
IDC III 23 12 10 13.6–1.7 15.00S 72.01W 92–18 4.1,3.3b **¶610543536**
NEIC III 23 12 10 14.4–2.7 15.14S–.08 72.13W–.09 100–23 4.4,4.3b
VAO III 23 12 10 16.3–.32 14.99S 72.00W 109 4.4b,4.3b
GUC III 23 12 10 16.3–.63 15.71S 72.67W 185–8 3.5L,4.3b
ISC Event type se.
IDC Error ellipse: s-maj=41.5km s-min=13.7km az=36.0.
NEIC Event type se. Error ellipse: s-maj=15.4km s-min=8.8km az=49.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Error ellipse: s-maj=2.9km s-min=4.1km az=-1.0.
GUC Error ellipse: s-maj=11.5km s-min=9.6km az=-1.0.
ISC III 26 21 26 36.1–1.4 15.3S–.10 72.3W–.20 35 3.6b 14 3-148
IDC III 26 21 26 27.4–3.3 17.50S 72.40W 0 3.5b,3.2s **¶610543749**
ISC Event type ke.
IDC Error ellipse: s-maj=124.2km s-min=35.6km az=15.0.
ISC IV 05 06 28 50.8–3.1 15.65S–.08 71.5W–.30 150 35 3-30
VAO IV 05 06 28 56.5–.43 15.38S 71.06W 166 4.0b **¶616091681**
ISC Event type se.
VAO Error ellipse: s-maj=4.6km s-min=5.3km az=-1.0.
ISC IV 12 00 45 23.3–.54 15.09S–.06 71.96W–.08 100 4.4b 106 3-152
NEIC IV 12 00 45 21.7–1.8 15.06S–.08 72.4W–.10 81–9 4.6b **¶610527425**
VAO IV 12 00 45 27.1–.64 15.19S 71.59W 117 4.7b
IDC IV 12 00 45 31.4–.76 15.13S 71.38W 150–6 4.2,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.4km s-min=10.9km az=78.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Error ellipse: s-maj=3.7km s-min=7.3km az=-1.0.
IDC Error ellipse: s-maj=18.8km s-min=11.7km az=35.0.
ISC IV 20 08 26 37.4–1.5 16.68S–.08 71.9W–.10 92 14 2-124
GUC IV 20 08 26 33.6–.58 16.43S 71.97W 38–16 3.9L **¶610653104**
IDC IV 20 08 26 37.9–4.5 16.74S 71.94W 98–39 3.5,3.4b
ISC Event type ke.
GUC Error ellipse: s-maj=6.3km s-min=10.8km az=-1.0.
IDC Error ellipse: s-maj=51.1km s-min=27.0km az=97.0.
ISC IV 29 20 58 30.9–.56 15.85S–.06 72.35W–.07 103 4.0b 79 3-85
NEIC IV 29 20 58 30.9–1.7 15.87S–.07 72.4W–.10 100–4 4.1b **¶610589451**
IDC IV 29 20 58 31.7–2.1 15.80S 72.28W 102–19 4.0,3.7b
VAO IV 29 20 58 31.1–.82 15.75S 72.48W 115–8 4.1b,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.7km s-min=9.9km az=69.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=25.0km s-min=18.8km az=65.0.
VAO Error ellipse: s-maj=4.1km s-min=8.6km az=-1.0.
ISC IV 30 13 29 09.8–.30 15.71S–.04 71.80W–.06 10 5.2b,4.6s 629 3-171
MOS IV 30 13 29 08.9–1.5 15.51S 71.76W 10 5.1b,4.6s **¶610589489**
IDC IV 30 13 29 08.5–.54 15.46S 71.48W 0 4.5s,4.3
VAO IV 30 13 29 08.9–.55 15.73S 71.93W 10 4.6b,4.3
NEIC IV 30 13 29 10 15.76S 71.90W 12 4.6b,4.3
NEIC IV 30 13 29 10 15.36S 72.32W 12 4.6b,4.3
NEIC IV 30 13 29 10.0–1.4 15.74S–.06 71.89W–.09 10–1 5.2b,5.1
BJI IV 30 13 29 11.0–.00 15.70S 71.90W 10 5.6s,5.5b
GCMT IV 30 13 29 13.0–.20 15.74S–.01 71.84W–.03 12 5.0W,5.5b
ISC Event type se. Moment Tensor Solution. NP1:ϕs285.72632°,δ36.43880°,λ-89.71952°. NP2: ϕs105.37768°,δ53.56171°,λ-90.20708°. Principal axes: T Plg8.5615°,Azm195.5258° ; N Plg0.1666°,Azm105.5007°; P Plg81.4369°,Azm14.3942°
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2s0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.37 $M_{\theta\theta}$2.60 $M_{\phi\phi}$-1.23 $M_{r\theta}$5.17 $M_{\theta\phi}$-1.28 $M_{\phi r}$-0.73 NP1:ϕs276.39000°,δ79.15000° ,λ-97.89000°. NP2:ϕs132.76000°,δ13.38000°,λ-54.38000°. Principal axes: T 6.4367,Plg34.0000°,Azm13.0000°; N -1.5057,Plg8.0000°,Azm278.0000° ; P -4.9310,Plg55.0000°,Azm177.0000° $M_0$5.68000×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s23,c24; s99,c134;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.33±.12 $M_{\theta\theta}$2.74±.06; $M_{\phi\phi}$-0.40±.12; $M_{r\theta}$-2.00±.26; $M_{\theta\phi}$-1.26±.07; $M_{\phi r}$2.01±.45; Best double couple: NP1:ϕs130.00000°,δ69.00000°,λ-71.00000°. NP2:ϕs265.00000°,δ28.00000°,λ-131.00000°. Principal axes: T 4.2240,Plg22.0000° ,Azm205.0000°; N -0.4380,Plg18.0000°,Azm303.0000°; P -3.7850,Plg61.0000° ,Azm68.0000° $M_0$4.00400×10^{16}
ISC IV 30 13 35 53.7–.47 15.75S–.06 72.31W–.09 10 4.8b 73 3-168
IDC IV 30 13 35 53.2–.75 15.41S 71.65W 0 4.1,4.0b **¶610589496**
NEIC IV 30 13 35 55.2–1.3 15.83S–.07 72.50W–.08 15–5 4.8b,4.0b
VAO IV 30 13 36 00.6–1.8 15.38S 72.09W 85–12 4.4b,4.0b
ISC Event type se.
IDC Error ellipse: s-maj=26.4km s-min=15.1km az=35.0.
NEIC Event type se. Error ellipse: s-maj=12.2km s-min=9.4km az=57.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Error ellipse: s-maj=11.4km s-min=11.2km az=-1.0.
ISC IV 30 14 17 00.8–.82 15.7S–.10 71.7W–.10 10 3.8b 12 4-148
IDC IV 30 14 17 05.0–2.3 15.64S 71.64W 56–22 3.7,3.3b **¶610650417**
ISC Event type ke.
IDC Error ellipse: s-maj=28.3km s-min=18.4km az=65.0.
ISC IV 30 14 32 24.9–.92 15.74S–.09 72.2W–.10 10 3.8b,3.2s 9 4-85
IDC IV 30 14 32 23.3–1.3 15.71S 72.17W 0 3.7,3.7b **¶610650419**
ISC Event type ke.
IDC Error ellipse: s-maj=32.7km s-min=22.1km az=60.0.
ISC IV 30 14 50 50.7–.48 15.71S–.06 71.89W–.07 10 4.5b,4.1s 81 3-152
IDC IV 30 14 50 49.5–.72 15.55S 71.82W 0 4.1,4.0s **¶610589499**
VAO IV 30 14 50 49.8–.85 15.74S 71.99W 10 4.3b,4.0s
NEIC IV 30 14 50 50.8–1.5 15.72S–.07 72.0W–.10 10–1 4.6b,4.0s
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 30 15 11 47.3–.53 15.61S–.06 71.80W–.07 10 4.0s,3.8b 43 3-148
IDC IV 30 15 11 45.2–.81 15.36S 71.58W 0 3.8,3.7s **¶610650425**
NEIC IV 30 15 11 48.5–1.4 15.61S–.05 71.70W–.09 10–2 4.4b,3.7s
VAO IV 30 15 11 48.0–.56 15.71S 72.28W 10 4.4b,3.7s
ISC Event type se.
IDC Error ellipse: s-maj=32.8km s-min=18.7km az=59.0.
NEIC Event type se. Error ellipse: s-maj=16.9km s-min=4.6km az=239.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Error ellipse: s-maj=4.5km s-min=7.4km az=-1.0.
ISC IV 30 17 09 37.3–.74 15.60S–.08 71.74W–.08 10 16 4-148
IDC IV 30 17 09 35.6–1.1 15.61S 71.84W 0 3.9,3.8b **¶610650434**
VAO IV 30 17 09 37.7–.62 15.67S 72.05W 10 4.1b,3.8b
ISC Event type ke.
IDC Error ellipse: s-maj=40.3km s-min=19.8km az=62.0.
VAO Error ellipse: s-maj=4.6km s-min=8.8km az=-1.0.
ISC IV 30 17 35 49.4–.46 15.64S–.06 72.45W–.07 10 4.1b,4.1s 122 3-168
NEIC IV 30 17 35 49.2–2.5 15.59S–.08 72.5W–.10 10–1 4.6b,4.1s **¶610589501**
VAO IV 30 17 35 50.2–.32 15.57S 72.34W 10 4.4b,4.1s
IDC IV 30 17 35 51.4–.66 15.47S 71.52W 0 4.0s,3.9
GCMT IV 30 17 35 57.2–.40 15.80S–.02 71.94W–.04 22–1 4.8W,3.9
ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function. Moment Tensor Solution. s16,c16; s73,c84;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-1.47±.20 $M_{\theta\theta}$2.06±.12; $M_{\phi\phi}$-0.59±.14; $M_{r\theta}$-0.94±.16;
$M_{\theta\phi}$-0.53±.09; $M_{\phi r}$1.10±.34; Best double couple: NP1:ϕ_s127.00000°,δ67.00000°,λ-61.00000°.
NP2:ϕ_s252.00000°,δ36.00000°,λ-138.00000°. Principal axes: T 2.5040,Plg17.0000°
,Azm196.0000°; N -0.2340,Plg26.0000°,Azm294.0000°; P -2.2740,Plg58.0000°
,Azm77.0000° $M_0$2.38900×10^{16}
IDC V 02 13 21 11.5–5.8 15.37S 71.29W 108–49 3.4,3.1b
¶610689391
IDC Error ellipse: s-maj=108.1km s-min=62.4km az=25.0.
ISC V 02 14 54 34.6–.72 15.53S–.09 72.0W–.10 10 4.4b 29 3-152
NEIC V 02 14 54 35.6–1.1 15.6S–.10 72.1W–.20 11–5 4.5b **¶610689400**
IDC V 02 14 54 44.7–2.0 15.70S 71.36W 93–19 3.9,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=22.2km s-min=14.9km az=115.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=34.7km s-min=21.7km az=26.0.
ISC V 08 13 16 17.3–.81 15.58S–.10 71.6W–.10 50 3.8b,3.2s 12 3-152
IDC V 08 13 16 18.8–2.3 15.59S 71.53W 70–21 3.8,3.5b **¶610689794**
ISC Event type ke.
IDC Error ellipse: s-maj=28.5km s-min=20.0km az=65.0.
ISC V 16 06 06 54.2–.93 15.1S–.20 73.5W–.10 98 3.6b 12 5-147
IDC V 16 06 06 53.7–2.1 15.19S 73.45W 92–19 3.9,3.5b **¶610690390**
ISC Event type ke.
IDC Error ellipse: s-maj=34.9km s-min=17.6km az=44.0.
ISC V 20 03 55 35.3–.73 15.2S–.10 72.69W–.09 114 3.7b 13 5-147
IDC V 20 03 55 33.6–1.5 15.14S 72.70W 81–15 3.9,3.5b **¶610685006**
ISC Event type ke.
IDC Error ellipse: s-maj=23.5km s-min=10.9km az=31.0.
ISC V 20 15 25 30.9–1.2 16.98S–.07 71.3W–.10 100 3.5b 15 2-149
IDC V 20 15 25 34.6–3.4 17.15S 70.92W 129–26 3.9,3.4b **¶610685034**
ISC Event type ke.
IDC Error ellipse: s-maj=41.4km s-min=16.9km az=112.0.
ISC V 22 06 16 45.2–1.1 16.5S–.10 70.2W–.20 100 7 2-149
IDC V 22 06 16 46.0–3.7 16.38S 70.12W 102–35 3.7,3.4b **¶610685136**
ISC Event type ke.
IDC Error ellipse: s-maj=53.7km s-min=34.0km az=127.0.
IDC V 22 10 44 45.9–1.6 16.04S 70.85W 0 3.8,3.8b
¶610685157
IDC Error ellipse: s-maj=41.6km s-min=27.0km az=49.0.
ISC V 22 14 27 28.1–.57 16.14S–.06 70.64W–.08 35 4.4b,3.6s 54 2-167
NEIC V 22 14 27 30.5–1.8 16.21S–.07 70.5W–.10 60–12 4.5b,3.6s **¶610646384**
IDC V 22 14 27 32.1–1.9 16.22S 70.45W 73–18 4.0,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.5km s-min=9.6km az=102.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=17.1km s-min=16.9km az=45.0.
IDC V 22 16 01 40.7–3.5 16.36S 70.91W 0 3.6,3.6b
¶610685166
IDC Error ellipse: s-maj=126.0km s-min=28.2km az=13.0.
ISC VI 06 14 20 11.5–.77 16.24S–.07 70.32W–.10 50 4.3b 41 2-167
NEIC VI 06 14 20 12.8–1.3 16.32S–.03 70.47W–.09 61–19 4.2b **¶610664218**
IDC VI 06 14 20 15.2–4.1 16.28S 70.23W 83–37 4.1,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.3km s-min=2.1km az=70.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=49.7km s-min=19.5km az=109.0.
ISC VI 19 18 38 58.8–.91 15.80S–.09 70.6W–.10 200 3.6b 10 2-148
IDC VI 19 18 38 59.3–2.0 15.81S 70.54W 203–20 3.9,3.5b **¶610792206**
ISC Event type ke.
IDC Error ellipse: s-maj=31.3km s-min=20.2km az=108.0.
ISC VI 22 06 15 37.3–.93 15.1S–.10 73.1W–.10 101 9 4-136
IDC VI 22 06 15 37.0–1.5 15.08S 73.11W 91–20 4.0,3.8b **¶610789249**
ISC Event type ke.
IDC Error ellipse: s-maj=37.9km s-min=13.2km az=41.0.
ISC VI 24 09 25 20.4–.61 15.83S–.07 72.98W–.07 100 3.8b 44 4-152
NEIC VI 24 09 25 20.7–.60 15.82S–.10 73.1W–.10 166–12 4.1b **¶610694589**
IDC VI 24 09 25 22.7–1.8 15.71S 72.89W 108–16 3.9,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.4km s-min=11.7km az=51.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=29.2km s-min=15.3km az=32.0.
ISC VI 24 16 09 13.4–.22 15.45S–.03 73.31W–.04 94–1 5.8b 1489 4-175
MOS VI 24 16 09 10.7–1.3 15.37S 73.31W 79 6.2b **¶610694580**
VAO VI 24 16 09 11.9–.26 15.37S 73.13W 69 5.8b
NEIC VI 24 16 09 11 15.47S 73.43W 64 5.8b
NEIC VI 24 16 09 14.3–2.8 15.41S–.07 73.39W–.08 97–1 5.8,5.8b
GUC VI 24 16 09 14.8–.71 16.16S 73.69W 103–12 5.9L,5.8b
IDC VI 24 16 09 14.2–.31 15.41S 73.22W 98–2 5.3,4.9b
NEIC VI 24 16 09 14.3 15.41S 73.39W 90 5.3,4.9b
NEIC VI 24 16 09 14.3 15.51S 73.39W 90 5.3,4.9b
GCMT VI 24 16 09 17.3–.10 15.58S–.01 73.42W–.01 109–0 5.8W,4.9b
ISC Event type se.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-3.58 $M_{\theta\theta}$-1.95 $M_{\phi\phi}$5.53 $M_{r\theta}$2.86 $M_{\theta\phi}$1.13
$M_{\phi r}$-0.91 NP1:ϕ_s219.96000°,δ53.21000°,λ-40.01000°. NP2:ϕ_s336.65000°,δ59.02000°
,λ-135.68000°. Principal axes: T 5.7213,Plg3.0000°,Azm97.0000°; N 0.1924,Plg38.0000°
,Azm4.0000°; P -5.9137,Plg52.0000°,Azm191.0000° $M_0$5.82000×10^{17}
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 3s9 Moment tensor: Scale 10^{17}Nm;
M_{rr}-2.94 $M_{\theta\theta}$-1.05 $M_{\phi\phi}$3.99 $M_{r\theta}$2.80 $M_{\theta\phi}$2.05 $M_{\phi r}$-1.58 NP1:ϕ_s346.27000°,δ61.23000°
,λ-136.26000°. NP2:ϕ_s231.54000°,δ52.70000°,λ-37.24000°. Principal axes:
T 4.7707,Plg5.0000°,Azm107.0000°; N 0.8249,Plg39.0000°,Azm13.0000°
; P -5.5957,Plg50.0000°,Azm203.0000° $M_0$5.18000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function. Moment Tensor Solution. s159,c288; s153,c318;Duration: 2s0
Moment tensor: Scale 10^{17}Nm; M_{rr}-3.21±.05 $M_{\theta\theta}$-2.95±.06; $M_{\phi\phi}$6.15±.07; $M_{r\theta}$2.70±.04;
$M_{\theta\phi}$2.61±.06; $M_{\phi r}$-0.59±.05; Best double couple: NP1:ϕ_s231.00000°,δ62.00000°,λ-34.00000°.
NP2:ϕ_s339.00000°,δ61.00000°,λ-147.00000°. Principal axes: T 6.8470,Plg1.0000°
,Azm285.0000°; N -0.6580,Plg47.0000°,Azm16.0000°; P -6.1990,Plg43.0000°
,Azm194.0000° $M_0$6.52300×10^{17}

(118) Peru-Bolivia border region.

ISC I 02 15 13 12.6–.65 16.89S–.06 69.43W–.06 182–7 3.5b 72 1-149
IDC I 02 15 13 11.7–1.7 16.74S 69.28W 168–16 3.8,3.2b **¶610236478**
VAO I 02 15 13 13.2–.66 16.86S 69.44W 183–5 3.8b,3.2b
GUC I 02 15 13 14.3–.73 17.05S 69.66W 204–5 3.7L,3.2b
ISC Event type ke.
IDC Error ellipse: s-maj=21.3km s-min=14.7km az=24.0.
VAO Error ellipse: s-maj=3.6km s-min=6.9km az=-1.0.
GUC Error ellipse: s-maj=4.6km s-min=5.8km az=-1.0.
ISC I 07 05 14 38.5–1.0 16.93S–.09 69.5W–.10 200 17 1-149
IDC I 07 05 14 35.0–4.3 16.58S 69.48W 155–40 3.9,3.4b **¶610236878**
ISC Event type ke.
IDC Error ellipse: s-maj=46.6km s-min=24.0km az=124.0.
SCB I 18 21 57 05.1–1.1 17.39S 69.30W 162–16 3.6W,2.5L
¶615316550
SCB Event type se. Error ellipse: s-maj=10.0km s-min=7.4km az=0.0.
SCB I 19 22 56 14.0–1.2 17.50S 69.14W 156–16 3.8W,2.2L
¶615316562
SCB Event type se. Error ellipse: s-maj=11.6km s-min=9.7km az=2.0.
ISC I 20 12 51 41.8–.68 17.38S–.05 69.86W–.07 145–6 4.0b 76 1-87
NEIC I 20 12 51 42.1–2.8 17.39S–.07 69.86W–.09 157–7 4.1b,3.5L **¶610234935**
GUC I 20 12 51 43.1–.71 17.36S 70.03W 138–5 3.6L,3.5L
IDC I 20 12 51 43.9–1.6 17.31S 69.66W 152–12 4.0,3.5b
VAO I 20 12 51 46.6–1.5 17.24S 69.50W 153–6 4.0b,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.0km s-min=8.8km az=111.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=5.0km s-min=5.2km az=-1.0.
IDC Error ellipse: s-maj=24.8km s-min=16.6km az=107.0.
VAO Error ellipse: s-maj=6.0km s-min=14.5km az=-1.0.
VAO I 31 10 41 41.4–1.1 16.04S 68.79W 197–7 3.8b
¶615407766
VAO Error ellipse: s-maj=6.6km s-min=15.6km az=-1.0.
ISC I 31 23 50 58.7–1.1 17.73S–.07 69.7W–.10 151–7 3.7b 21 1-150
IDC I 31 23 51 01.4–2.1 17.85S 69.18W 153–11 4.0,3.5b **¶610235852**
ISC Event type ke.
IDC Error ellipse: s-maj=58.4km s-min=9.9km az=104.0.
ISC II 15 13 44 42.8–.67 16.99S–.04 69.49W–.06 173–7 3.8b 98 1-87
VAO II 15 13 44 42.3–.37 16.91S 69.59W 174 3.9b **¶610216332**
NEIC II 15 13 44 43.0–2.2 16.95S–.05 69.50W–.07 177–9 4.3b
IDC II 15 13 44 42.8–1.0 17.06S 69.46W 170–12 4.0,3.4b
GUC II 15 13 44 44.6–.70 17.04S 69.76W 186–6 3.9L,3.4b
ISC Event type se.
VAO Error ellipse: s-maj=3.3km s-min=4.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=7.6km az=79.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=24.8km s-min=12.5km az=97.0.
GUC Error ellipse: s-maj=3.9km s-min=8.1km az=-1.0.
ISC II 20 03 39 27.1–.56 17.63S–.04 69.55W–.06 152–6 4.0b 114 0-87
IDC II 20 03 39 28.0–2.0 17.68S 69.32W 138–22 4.1,3.7b **¶610239496**
NEIC II 20 03 39 27.2–1.3 17.67S–.09 69.57W–.09 160–5 4.1b,3.9L
VAO II 20 03 39 27.1–.94 17.54S 69.72W 158–9 4.0b,3.9L
GUC II 20 03 39 29.1–.59 17.67S 69.56W 147–3 3.9L,3.9L
ISC Event type se.
IDC Error ellipse: s-maj=22.1km s-min=18.5km az=39.0.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=10.3km az=131.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Error ellipse: s-maj=3.3km s-min=5.2km az=-1.0.
GUC Error ellipse: s-maj=2.6km s-min=4.2km az=-1.0.
ISC II 26 10 43 01.3–.72 17.51S–.05 69.33W–.07 166–7 40 0-87
IDC II 26 10 43 01.5–1.2 17.55S 69.21W 155–8 4.2,3.4b **¶610385054**
GUC II 26 10 43 02.6–.50 17.45S 69.44W 165–2 3.7L,3.4b
VAO II 26 10 43 06.5–2.6 17.40S 68.79W 158–7 4.0b,3.4b
ISC Event type ke.
IDC Error ellipse: s-maj=23.0km s-min=10.6km az=105.0.
GUC Error ellipse: s-maj=3.0km s-min=5.8km az=-1.0.
VAO Error ellipse: s-maj=16.5km s-min=23.0km az=-1.0.
ISC III 20 21 02 54.1–.54 16.96S–.04 69.52W–.05 187–5 4.2b 200 1-149
IDC III 20 21 02 54.9–.76 17.00S 69.37W 186–6 4.4,3.9b **¶610394189**
NEIC III 20 21 02 54.2–1.8 16.93S–.06 69.47W–.07 186–3 4.5L,4.4b
VAO III 20 21 02 55.8–.36 16.89S 69.44W 189 4.4b,4.4b
GUC III 20 21 02 55.5–.51 17.00S 69.70W 195–3 4.5L,4.4b
ISC Event type se.
IDC Error ellipse: s-maj=15.2km s-min=10.3km az=86.0.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=8.0km az=109.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Error ellipse: s-maj=2.3km s-min=4.4km az=-1.0.
GUC Error ellipse: s-maj=3.1km s-min=3.5km az=-1.0.
ISC III 30 13 13 52.1–.67 16.38S–.06 69.91W–.07 200 4.0b 45 2-137
IDC III 30 13 13 52.9–1.2 16.21S 69.76W 199–9 4.1,3.4b **¶610543992**
GUC III 30 13 13 55.4–.62 16.63S 70.11W 212–4 3.0L,3.4b
VAO III 30 13 13 56.4–1.9 16.33S 69.56W 182 4.1b,3.4b
ISC Event type ke.
IDC Error ellipse: s-maj=19.6km s-min=18.4km az=157.0.
GUC Error ellipse: s-maj=3.8km s-min=4.5km az=-1.0.
VAO Error ellipse: s-maj=8.3km s-min=19.7km az=-1.0.
ISC IV 03 04 50 33.7–.65 17.62S–.05 69.55W–.07 151–6 3.7b 58 0-136
IDC IV 03 04 50 33.6–1.4 17.62S 69.56W 150–10 3.9,3.4b **¶610651794**
GUC IV 03 04 50 34.7–.76 17.64S 69.70W 152–3 3.8L,3.4b
VAO IV 03 04 50 35.7–.62 17.52S 69.49W 151 3.9b,3.4b
ISC Event type ke.
IDC Error ellipse: s-maj=22.8km s-min=15.3km az=116.0.
GUC Error ellipse: s-maj=3.5km s-min=5.3km az=-1.0.
VAO Error ellipse: s-maj=3.3km s-min=7.4km az=-1.0.
IDC IV 07 14 57 33.1–2.6 17.40S 69.85W 148–20 3.7,3.2b
¶610652164
IDC Error ellipse: s-maj=46.2km s-min=12.2km az=106.0.
ISC IV 22 09 45 47.1–.59 16.61S–.08 69.62W–.06 189 3.3b 30 1-149
IDC IV 22 09 45 49.4–.95 16.50S 69.36W 205–6 3.8,3.3b **¶610653257**
VAO IV 22 09 45 52.5–2.1 16.12S 69.38W 186–8 4.1b,3.3b
ISC Event type ke.
IDC Error ellipse: s-maj=19.4km s-min=17.3km az=44.0.
VAO Error ellipse: s-maj=16.0km s-min=19.6km az=-1.0.
ISC IV 23 11 00 46.2–1.1 17.68S–.06 69.24W–.09 153 23 1-87
SCB IV 23 11 00 45.5–1.2 17.67S 69.28W 162–10 2.8L **¶610649811**
IDC IV 23 11 00 49.3–5.2 17.41S 68.94W 170–28 3.5,3.0b
ISC Event type se.
SCB Event type se. Error ellipse: s-maj=8.6km s-min=6.5km az=2.0.
IDC Error ellipse: s-maj=90.2km s-min=53.8km az=12.0.
IDC IV 26 18 06 08.8–1.9 17.95S 69.31W 140–15 3.5,3.2b
¶610650082
IDC Error ellipse: s-maj=44.3km s-min=11.5km az=101.0.
ISC IV 29 16 39 43.4–.51 16.21S–.06 69.83W–.07 200 3.7b 75 2-148
NEIC IV 29 16 39 45.0–2.6 16.20S–.07 69.79W–.09 221–9 4.2b **¶610650335**
IDC IV 29 16 39 45.6–.89 16.08S 69.61W 216–7 4.1,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.7km s-min=8.5km az=61.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=22.4km s-min=16.9km az=23.0.
ISC V 02 13 05 19.2–.81 17.67S–.05 69.45W–.09 161–7 59 1-77
VAO V 02 13 05 18.7–.31 17.64S 69.48W 148 3.9b **¶610689389**
GUC V 02 13 05 21.6–.55 17.78S 69.45W 157–2 3.7L
IDC V 02 13 05 25.4–3.2 16.65S 69.08W 181–10 4.1,3.5b
ISC Event type ke.
VAO Error ellipse: s-maj=3.0km s-min=4.0km az=-1.0.
GUC Error ellipse: s-maj=2.2km s-min=4.1km az=-1.0.
IDC Error ellipse: s-maj=94.2km s-min=52.6km az=1.0.
ISC V 06 08 35 07.2–.92 17.39S–.07 69.25W–.08 153 15 2-87
VAO V 06 08 34 04.3–.46 19.96S 73.66W 10 4.0b **¶610689654**
IDC V 06 08 35 08.1–1.4 17.31S 69.29W 164–10 4.1,3.5b
ISC Event type ke.
VAO Error ellipse: s-maj=6.9km s-min=6.0km az=-1.0.
IDC Error ellipse: s-maj=24.0km s-min=21.3km az=123.0.
ISC V 12 07 18 59.3–.68 15.90S–.06 69.5W–.10 250 4.3b 57 1-86
NEIC V 12 07 18 59.9–2.2 15.93S–.09 69.5W–.10 246–6 4.4b **¶610630796**
IDC V 12 07 19 00.1–1.5 16.03S 69.34W 255–8 3.8,3.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.3km s-min=12.4km az=100.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=33.9km s-min=18.5km az=101.0.
ISC V 13 07 26 03.0–1.3 17.52S–.08 69.6W–.10 156–9 18 0-77
GUC V 13 07 26 04.8–.67 17.58S 69.55W 150–4 3.3L **¶610690179**
IDC V 13 07 26 07.5–5.3 16.71S 69.46W 176–20 3.9,3.4b
ISC Event type se.
GUC Error ellipse: s-maj=2.9km s-min=4.2km az=-1.0.
IDC Error ellipse: s-maj=153.3km s-min=64.8km az=3.0.

ISC V 14 04 13 33.6–.85 15.98S–.07 69.77W–.10 231–8 3.9b 52 2-86
IDC V 14 04 13 34.6–1.2 15.86S 69.57W 232–9 3.5,3.0b **¶610690246**
GUC V 14 04 13 34.2–.59 16.31S 70.12W 274–7 4.1L,3.0b
NEIC V 14 04 13 34.1–1.6 15.92S–.07 69.7W–.10 234–6 4.1b,4.1L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 06 08 31 03.3–1.2 17.52S–.09 69.8W–.10 150 36 2-87
VAO VI 06 08 31 01.5–.37 17.48S 70.00W 140 4.1b **¶610791332**
IDC VI 06 08 31 09.4–5.3 17.07S 69.41W 178–25 3.7,3.2b
ISC Event type ke.
VAO Error ellipse: s-maj=3.2km s-min=4.5km az=-1.0.
IDC Error ellipse: s-maj=104.1km s-min=38.3km az=19.0.
ISC VI 06 18 16 11.8–.92 17.90S–.06 69.9W–.10 134–7 4.1b 43 1-77
VAO VI 06 18 16 10.9–.67 17.80S 70.03W 131 4.0b **¶610791348**
GUC VI 06 18 16 13.5–.79 17.91S 69.84W 124–5 3.5L
IDC VI 06 18 16 14.5–2.5 18.07S 69.46W 140–12 3.9,3.4b
ISC Event type ke.
VAO Error ellipse: s-maj=3.8km s-min=8.2km az=-1.0.
GUC Error ellipse: s-maj=2.9km s-min=5.2km az=-1.0.
IDC Error ellipse: s-maj=50.4km s-min=10.3km az=105.0.
ISC VI 10 16 31 33.2–.65 17.87S–.04 69.30W–.06 146–6 4.1b 100 0-150
IDC VI 10 16 31 33.7–1.3 17.94S 69.17W 144–10 4.4,4.0b **¶610791603**
SJA VI 10 16 31 33.9–2.1 17.87S 69.26W 125 3.7W,3.7L
VAO VI 10 16 31 33.6–.73 17.78S 69.32W 149–5 4.4b,3.7L
GUC VI 10 16 31 34.1–.63 17.94S 69.41W 143–3 3.8L,3.7L
ISC Event type ke.
IDC Error ellipse: s-maj=26.5km s-min=10.7km az=100.0.
SJA Error ellipse: s-maj=7.0km s-min=10.4km az=-1.0.
VAO Error ellipse: s-maj=3.2km s-min=8.4km az=-1.0.
GUC Error ellipse: s-maj=2.5km s-min=3.9km az=-1.0.
ISC VI 15 08 47 43.5–.60 17.00S–.05 69.67W–.07 173 60 1-168
IDC VI 15 08 47 44.5–.95 17.03S 69.62W 173–8 4.1,3.6b **¶610675174**
NEIC VI 15 08 47 44.1–2.0 16.95S–.08 69.67W–.10 191–9 4.3b,3.6b
VAO VI 15 08 47 46.3–.67 16.93S 69.28W 140–9 4.1b,3.6b
ISC Event type se.
IDC Error ellipse: s-maj=15.7km s-min=12.1km az=110.0.
NEIC Event type se. Error ellipse: s-maj=16.0km s-min=7.3km az=127.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Error ellipse: s-maj=4.0km s-min=7.0km az=-1.0.
ISC VI 16 10 18 03.5–.74 16.95S–.05 69.71W–.07 188–7 96 1-149
NEIC VI 16 10 18 03.6–1.3 16.87S–.08 69.7W–.10 191–9 4.6b **¶610791997**
VAO VI 16 10 18 04.9–.85 16.89S 69.50W 178–5 4.2b
GUC VI 16 10 18 06.8–.74 17.09S 69.82W 184–4 4.1L
IDC VI 16 10 18 08.2–2.6 16.55S 69.21W 191–9 4.3,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.3km s-min=11.5km az=88.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Error ellipse: s-maj=4.4km s-min=9.2km az=-1.0.
GUC Error ellipse: s-maj=3.7km s-min=7.7km az=-1.0.
IDC Error ellipse: s-maj=88.0km s-min=38.3km az=9.0.
ISC VI 16 13 27 46.5–.74 16.90S–.05 69.48W–.08 186–7 3.6b 66 1-149
NEIC VI 16 13 27 41.6–1.7 16.49S–.05 70.2W–.10 208–12 4.0b,4.0L **¶610792004**
IDC VI 16 13 27 47.7–1.1 16.75S 69.39W 184–8 4.1,3.4b
GUC VI 16 13 27 47.9–.53 16.96S 69.87W 200–3 4.1L,3.4b
VAO VI 16 13 27 48.2–.72 16.73S 69.38W 177–6 3.8b,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.6km s-min=7.0km az=96.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=21.5km s-min=18.8km az=57.0.
GUC Error ellipse: s-maj=2.6km s-min=3.6km az=-1.0.
VAO Error ellipse: s-maj=4.6km s-min=8.7km az=-1.0.
ISC VI 27 05 39 37.8–1.5 17.28S–.08 69.5W–.10 177–10 21 0-24
VAO VI 27 05 39 38.7–.83 17.35S 69.37W 172–5 3.7b **¶612739606**
GUC VI 27 05 39 39.3–.64 17.25S 69.34W 169–5 3.2L
ISC Event type ke.
VAO Error ellipse: s-maj=4.6km s-min=9.3km az=-1.0.
GUC Error ellipse: s-maj=3.1km s-min=4.4km az=-1.0.

(120) Central Bolivia.

SCB I 28 19 47 32.7–1.3 18.03S 66.28W 30–15 3.9W,2.4L
¶615316681
SCB Event type se. Error ellipse: s-maj=5.8km s-min=5.3km az=0.0.
ISC I 31 21 38 20.8–1.2 18.25S–.08 67.25W–.10 35 8 2-75
IDC I 31 21 38 26.7–7.0 17.70S 66.75W 71–76 3.9,3.6b **¶610235845**
ISC Event type ke.
IDC Error ellipse: s-maj=61.0km s-min=55.8km az=108.0.
ISC II 19 15 53 09.0–.99 18.80S–.06 67.28W–.07 220 22 2-75
IDC II 19 15 53 08.1–1.1 18.79S 67.25W 226–20 3.7,3.0b **¶610415823**
SCB II 19 15 53 09.7–1.2 18.81S 67.33W 229–15 3.0W,2.9L
ISC Event type se.
IDC Error ellipse: s-maj=32.9km s-min=11.3km az=97.0.
SCB Event type se. Error ellipse: s-maj=8.5km s-min=4.5km az=1.0.
ISC II 26 15 42 21.1–.87 18.15S–.05 67.21W–.09 280 3.1b 28 1-150
IDC II 26 15 42 20.3–.99 18.14S 67.16W 258–8 3.7,3.1b **¶610385073**
SCB II 26 15 42 21.5–1.6 18.19S 67.19W 264–19 3.8L,3.0W
ISC Event type se.
IDC Error ellipse: s-maj=26.6km s-min=12.9km az=91.0.
SCB Event type se. Error ellipse: s-maj=9.8km s-min=5.0km az=1.0.
SCB IV 19 07 23 54.8–1.1 17.45S 66.24W 40–64 2.7W,1.3L
¶615317406
SCB Event type se. Error ellipse: s-maj=17.8km s-min=16.9km az=0.0.
SCB V 26 01 19 44.9–.71 15.66S 67.92W 8–4 2.9L
¶615318175
SCB Event type se. Error ellipse: s-maj=5.3km s-min=4.5km az=0.0.
ISC VI 02 23 12 00.6–.55 18.79S–.04 67.00W–.05 261–6 4.1b 197 1-167
SJA VI 02 23 11 58.4–1.8 18.71S 66.81W 250 4.1W,4.0L **¶610660614**
SCB VI 02 23 12 00.5–1.2 18.80S 67.08W 263–13 4.3L,3.7W
IDC VI 02 23 12 00.1–.90 18.69S 66.84W 255–7 4.2,3.6b
NEIC VI 02 23 12 01.0–1.4 18.85S–.07 67.01W–.09 261–11 4.3b,3.6b
VAO VI 02 23 12 01.1–.35 18.72S 66.97W 261 4.2b,3.6b
ISC Event type se.
SJA Error ellipse: s-maj=7.1km s-min=10.8km az=-1.0.
SCB Event type se. Error ellipse: s-maj=5.5km s-min=3.7km az=1.0.
IDC Error ellipse: s-maj=14.2km s-min=12.1km az=49.0.
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=9.6km az=87.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Error ellipse: s-maj=2.6km s-min=4.0km az=-1.0.
ISC VI 11 13 18 25.1–.26 17.52S–.04 63.93W–.03 10 5.1b,4.0s 489 2-168
SCB VI 11 13 18 21.6–1.4 17.50S 63.82W 7–7 5.1L,4.2W **¶616173678**
IDC VI 11 13 18 23.4–.44 17.57S 64.02W 0 4.8b,4.7
VAO VI 11 13 18 24.4–.45 17.30S 63.89W 10 4.5b,4.7
MOS VI 11 13 18 25.5–1.5 17.42S 63.95W 21 5.0b,4.7
NEIC VI 11 13 18 26.4–2.5 17.54S–.06 63.94W–.03 10–1 5.1b,4.7
ISC Event type se.
SCB Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SCB VI 18 15 36 39.3–1.2 17.46S 66.32W 30–43 1.5L
¶615319127
SCB Event type se. Error ellipse: s-maj=38.6km s-min=27.1km az=1.0.

(121) Off coast of northern Chile.

ISC I 03 12 04 19.5–1.3 24.36S–.02 71.08W–.06 24–10 4.5b 179 1-149
VAO I 03 12 04 19.9–1.9 24.98S 71.16W 10 4.3b **¶609967127**
SJA I 03 12 04 15.3–1.0 24.28S 71.33W 15 4.2W,4.1L
IDC I 03 12 04 18.7–.84 24.42S 70.92W 0 4.3b,4.0
NEIC I 03 12 04 19.5–2.6 24.41S–.04 71.11W–.06 44–8 4.2b,4.1L
GUC I 03 12 04 19.1–.72 24.33S 71.16W 41–4 4.1L,4.1L
ISC Event type se.
VAO Error ellipse: s-maj=14.0km s-min=16.6km az=-1.0.
SJA Error ellipse: s-maj=1.8km s-min=6.2km az=-1.0.
IDC Error ellipse: s-maj=28.1km s-min=21.8km az=99.0.
NEIC Event type se. Error ellipse: s-maj=8.6km s-min=5.0km az=104.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=2.1km s-min=6.2km az=-1.0.
ISC I 14 17 08 24.8–1.7 19.71S–.03 71.03W–.06 7–10 42 1-145
IDC I 14 17 08 24.5–1.5 19.54S 70.76W 0 3.9,3.8b **¶610237367**
GUC I 14 17 08 27.1–.80 19.67S 71.10W 33–3 3.7L,3.8b
ISC Event type ke.
IDC Error ellipse: s-maj=70.8km s-min=38.2km az=89.0.
GUC Error ellipse: s-maj=1.6km s-min=2.8km az=-1.0.
ISC I 14 18 53 25.5–2.5 19.67S–.02 71.07W–.04 12–17 4.2b 204 1-171
SJA I 14 18 53 23.4–.77 19.69S 71.12W 20–2 4.3W,4.2L **¶610094897**
IDC I 14 18 53 25.0–1.1 19.48S 70.90W 0 3.9,3.9b
VAO I 14 18 53 26.7–.86 19.28S 71.10W 0 4.1b,3.9b
GUC I 14 18 53 26.8–.81 19.69S 71.09W 31–3 4.1L,3.9b
NEIC I 14 18 53 27.1–1.6 19.69S–.03 71.00W–.07 27–9 4.2b,4.1L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC II 15 15 35 17.2–4.5 18.21S 73.48W 0 3.5,3.5b
¶610415572
IDC Error ellipse: s-maj=145.9km s-min=37.4km az=12.0.
ISC II 25 18 10 45.1–1.3 26.58S–.04 71.25W–.09 40–12 4.2b 35 1-151
SJA II 25 18 10 40.7–.83 26.58S 71.36W 20–5 3.9W,3.9L **¶610385016**
IDC II 25 18 10 41.9–3.8 26.15S 70.95W 0 4.1,4.1b
GUC II 25 18 10 43.9–.62 26.57S 71.34W 45–4 3.6L,4.1b
ISC Event type ke.
SJA Error ellipse: s-maj=2.0km s-min=6.0km az=-1.0. Hypocentre not reviewed by the ISC.
IDC Error ellipse: s-maj=254.0km s-min=54.1km az=177.0.
GUC Error ellipse: s-maj=2.4km s-min=5.9km az=-1.0.
ISC III 10 22 28 52.6–2.2 18.06S–.07 71.1W–.20 62–18 29 1-135
GUC III 10 22 28 52.2–.80 17.99S 70.94W 71–8 3.3L **¶610545986**
IDC III 10 22 28 56.2–3.8 18.10S 70.74W 93–33 3.8,3.4b
ISC Event type ke.
GUC Error ellipse: s-maj=4.5km s-min=4.9km az=-1.0.
IDC Error ellipse: s-maj=52.1km s-min=18.6km az=97.0.
ISC IV 07 03 45 41.3–2.0 27.61S–.03 72.34W–.08 12–12 53 1-5
GUC IV 07 03 45 40.7–.63 27.57S 72.46W 15 3.6L **¶616344658**
SJA IV 07 03 45 42.8–.93 27.63S 72.12W 10 3.5L,3.3W
ISC Event type ke.
GUC Error ellipse: s-maj=3.6km s-min=8.8km az=-1.0.
SJA Error ellipse: s-maj=3.0km s-min=4.9km az=-1.0.
ISC IV 08 15 39 08.6–1.3 25.92S–.02 71.13W–.05 22–10 4.6b,3.7s 196 1-169
VAO IV 08 15 39 05.9–.62 25.47S 71.94W 10 4.4b,3.7s **¶610523715**
SJA IV 08 15 39 06.0–.74 25.87S 71.14W 33–3 4.5W,4.5L
NEIC IV 08 15 39 09.0–2.3 25.87S–.02 71.13W–.08 36–7 4.6,4.6b
GUC IV 08 15 39 09.2–.96 25.85S 70.94W 38–4 4.5L,4.6b
NEIC IV 08 15 39 09.4 25.87S 71.08W 51 4.5L,4.6b
IDC IV 08 15 39 12.8–2.1 25.87S 70.75W 48–18 4.3,4.2L
ISC Event type se.
VAO Error ellipse: s-maj=3.8km s-min=6.4km az=-1.0.
SJA Error ellipse: s-maj=1.2km s-min=3.4km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=3.3km az=92.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}3.82 $M_{\theta\theta}$-0.98 $M_{\phi\phi}$-2.84 $M_{r\theta}$-0.18 $M_{\theta\phi}$-2.18 $M_{\phi r}$-1.37 NP1:ϕ_s204.50000°,δ54.22000°,λ78.89000°. NP2:ϕ_s43.06000°,δ37.24000°,λ104.97000°. Principal axes: T 4.1081,Plg78.0000°,Azm75.0000°; N 0.3643,Plg9.0000°,Azm211.0000°; P -4.4724,Plg9.0000°,Azm302.0000° $M_0$4.30000×10^{15}
GUC Error ellipse: s-maj=2.6km s-min=5.3km az=-1.0.
NEIC Event type se.
IDC Error ellipse: s-maj=22.5km s-min=13.7km az=92.0.
ISC IV 23 14 05 42.1–2.2 25.55S–.04 71.79W–.07 3–13 4.1b 52 1-150
IDC IV 23 14 05 41.9–.97 25.60S 71.78W 0 4.1b,4.0 **¶610649817**
GUC IV 23 14 05 42.4–.64 25.48S 71.74W 15 3.7L,4.0
VAO IV 23 14 06 04.2–2.4 24.91S 70.02W 10 4.0b,4.0
ISC Event type ke.
IDC Error ellipse: s-maj=35.9km s-min=25.7km az=147.0.
GUC Error ellipse: s-maj=1.9km s-min=3.3km az=-1.0.
VAO Error ellipse: s-maj=12.1km s-min=23.4km az=-1.0.
ISC IV 30 20 10 45.7–2.2 18.55S–.06 71.21W–.08 4–12 4.0b 61 1-144
IDC IV 30 20 10 44.7–1.3 18.56S 71.48W 0 3.9,3.8b **¶610650447**
NEIC IV 30 20 10 48.4–1.8 18.63S–.06 71.16W–.06 10–2 4.0b,4.0L
GUC IV 30 20 10 49.9–.79 18.53S 71.07W 24–7 4.0L,4.0L
ISC Event type se.
IDC Error ellipse: s-maj=33.1km s-min=25.8km az=91.0.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=8.5km az=330.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=4.4km s-min=3.6km az=-1.0.
ISC V 03 05 15 18.6–1.4 25.21S–.02 71.08W–.07 27–11 59 1-150
SJA V 03 05 15 14.5–1.7 25.21S 71.09W 15 3.5W,3.4L **¶610689434**
IDC V 03 05 15 16.9–3.0 25.53S 70.37W 0 4.2b,3.8
GUC V 03 05 15 22.1–.85 25.21S 70.80W 55–21 3.2L,3.8
ISC Event type ke.
SJA Error ellipse: s-maj=3.3km s-min=9.4km az=-1.0.
IDC Error ellipse: s-maj=98.8km s-min=35.5km az=103.0.
GUC Error ellipse: s-maj=1.7km s-min=24.3km az=-1.0.
ISC V 03 19 08 18.4–1.9 18.58S–.04 71.27W–.07 6–11 3.9b 81 1-145
IDC V 03 19 08 15.5–1.6 18.33S 71.56W 0 4.3L,3.9 **¶610593976**
NEIC V 03 19 08 20.3–1.5 18.56S–.03 71.18W–.04 10–1 4.2L,4.1b
GUC V 03 19 08 22.9–.68 18.53S 71.07W 23–6 4.2L,4.1b
VAO V 03 19 08 23.5–.75 18.58S 71.12W 23 4.0b,4.1b
ISC Event type se.
IDC Error ellipse: s-maj=38.7km s-min=27.0km az=102.0.
NEIC Event type se. Error ellipse: s-maj=8.1km s-min=4.6km az=236.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=2.7km s-min=2.9km az=-1.0.
VAO Error ellipse: s-maj=4.4km s-min=8.1km az=-1.0.
ISC V 04 17 50 43.0–1.5 20.04S–.03 71.03W–.05 13–9 4.4b 123 1-152
IDC V 04 17 50 42.2–.79 19.73S 70.59W 0 4.0,4.0b **¶610689560**
SJA V 04 17 50 43.1–1.0 20.06S 71.03W 42–17 4.0W,3.8L
NEIC V 04 17 50 44.8–.79 20.01S–.04 70.92W–.09 22–6 4.5b,3.8L
GUC V 04 17 50 45.9–.73 19.96S 70.93W 40–6 3.8L,3.8L
ISC Event type se.
IDC Error ellipse: s-maj=42.9km s-min=21.8km az=70.0.
SJA Error ellipse: s-maj=2.2km s-min=4.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=11.6km s-min=6.1km az=88.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=2.4km s-min=3.1km az=-1.0.
ISC V 14 05 33 22.9–.44 18.40S–.03 71.13W–.05 36–1 4.7b,4.1s 242 1-171
VAO V 14 05 33 19.6–.37 18.28S 71.17W 10 4.6b,4.1s **¶610638600**
NEIC V 14 05 33 23.9 18.48S 71.11W 35 4.6b,4.1s
NEIC V 14 05 33 23.6–2.1 18.42S–.05 71.11W–.06 38–5 4.8,4.8
GUC V 14 05 33 24.0–.75 18.45S 71.07W 30–3 4.5L,4.8
IDC V 14 05 33 25.1–1.6 18.44S 71.05W 53–14 4.4,4.2b
GCMT V 14 05 33 28.5–.40 18.35S–.02 71.52W–.03 38–1 4.9W,4.2b
ISC Event type se.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.19 $M_{\theta\theta}$0.04 $M_{\phi\phi}$-0.23 $M_{r\theta}$-0.15 $M_{\theta\phi}$0.54 $M_{\phi r}$-1.93 NP1:ϕ_s282.66000°,δ16.03000°,λ9.71000°. NP2:ϕ_s183.32000°,δ87.33000°,λ105.82000°. Principal axes: T 2.0310,Plg45.0000°,Azm109.0000°; N -0.0248,Plg16.0000°

,Azm3.0000°; P -2.0062,Plg40.0000°,Azm259.0000° $M_0 2.02000\times10^{16}$
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s36,c38; s63,c86;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}2.55±.17 $M_{\theta\theta}$-0.07±.10; $M_{\phi\phi}$-2.47±.10; $M_{r\theta}$0.27±.08; $M_{\theta\phi}$0.62±.06; $M_{\phi r}$-1.68±.10; Best double couple: NP1:ϕ_s169.00000°,δ62.00000°,λ92.00000°. NP2:ϕ_s344.00000°,δ28.00000°,λ86.00000°. Principal axes: T 3.0630,Plg73.0000° ,Azm85.0000°; N 0.0730,Plg2.0000°,Azm348.0000°; P -3.1290,Plg17.0000°,Azm257.0000° $M_0 3.09600\times10^{16}$

(122) Near coast of northern Chile.

ISC I 02 10 56 07.0–.70 21.24S–.03 70.33W–.05 55–7 4.0b 140 0-146
VAO I 02 10 56 03.4–.49 21.08S 70.16W 10 4.6b ¶610236461
NEIC I 02 10 56 07.7–2.3 21.31S–.04 70.28W–.09 57–6 4.4L,4.4b
NEIC I 02 10 56 07.7 21.31S 70.28W 57 4.4L,4.4b
GUC I 02 10 56 08.6–.88 21.24S 70.22W 66–4 4.4L,4.4b
IDC I 02 10 56 10.3–3.1 21.29S 70.18W 81–28 4.0,3.7b
ISC Event type se.
VAO Error ellipse: s-maj=3.6km s-min=5.2km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=12.9km s-min=4.8km az=101.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-1.11 $M_{\theta\theta}$-0.11 $M_{\phi\phi}$1.21 $M_{r\theta}$1.25 $M_{\theta\phi}$-0.71 $M_{\phi r}$-0.86 NP1:ϕ_s311.90000°,δ71.53000°,λ-111.77000°. NP2:ϕ_s183.48000° ,δ28.26000°,λ-42.01000°. Principal axes: T 2.0895,Plg24.0000°,Azm59.0000° ; N -0.1010,Plg21.0000°,Azm319.0000°; P -1.9885,Plg58.0000°,Azm192.0000° $M_0 2.04000\times10^{15}$
NEIC Event type se.
GUC Error ellipse: s-maj=1.5km s-min=3.8km az=-1.0.
IDC Error ellipse: s-maj=29.8km s-min=21.4km az=108.0.
ISC I 03 11 29 49.3–3.4 25.02S–.03 70.96W–.09 8–21 3.9b 33 1-150
GUC I 03 11 29 54.8–.55 25.13S 70.58W 27–11 3.5L ¶610236556
IDC I 03 11 29 54.6–3.8 25.17S 70.86W 39–30 3.7,3.6b
ISC Event type ke.
GUC Error ellipse: s-maj=3.7km s-min=14.2km az=-1.0.
IDC Error ellipse: s-maj=42.1km s-min=24.6km az=91.0.
ISC I 03 13 41 52.4–.38 19.93S–.02 70.43W–.04 51–3 5.2b,4.2s 840 0-170
MOS I 03 13 41 51.0–1.2 19.98S 70.72W 46 5.1b,4.2s ¶610570383
BJI I 03 13 41 52.0–.00 20.00S 70.50W 45 5.3b,5.3s
NEIC I 03 13 41 52.4–1.8 19.91S–.03 70.41W–.05 43–4 5.2,5.2b
IDC I 03 13 41 52.5–1.2 19.78S 70.25W 47–10 4.6,4.3b
GUC I 03 13 41 53.2–.68 19.91S 70.45W 56–3 5.2L,4.3b
GCMT I 03 13 41 55.4–.20 19.91S–.01 70.67W–.01 48–1 5.2W,4.3b
NEIC I 03 13 41 55 19.89S 70.55W 40 5.2W,4.3b
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s117.02493°,δ80.12530°,λ142.99568°. NP2: ϕ_s214.38960°,δ53.63276°,λ12.29673°. Principal axes: T Plg32.7211°,Azm69.1847° ; N Plg51.8837°,Azm284.2058°; P Plg17.3387°,Azm170.7565°
MOS Error ellipse: s-maj=14.7km s-min=5.8km az=107.1.
NEIC Event type se. Error ellipse: s-maj=7.0km s-min=4.5km az=104.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}1.62 $M_{\theta\theta}$-4.74 $M_{\phi\phi}$3.11 $M_{r\theta}$1.49 $M_{\theta\phi}$-1.64 $M_{\phi r}$-2.61 NP1:ϕ_s219.84000°,δ57.82000°,λ21.33000°. NP2:ϕ_s118.10000°,δ72.07000° ,λ145.97000°. Principal axes: T 5.5537,Plg36.0000°,Azm75.0000°; N -0.3359,Plg52.0000° ,Azm274.0000°; P -5.2179,Plg9.0000°,Azm172.0000° $M_0 5.39000\times10^{16}$
IDC Error ellipse: s-maj=16.4km s-min=8.8km az=67.0.
GUC Error ellipse: s-maj=1.0km s-min=2.5km az=-1.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s61,c74; s108,c156;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}1.41±.20 $M_{\theta\theta}$-5.39±.12; $M_{\phi\phi}$3.98±.18; $M_{r\theta}$1.89±.10; $M_{\theta\phi}$-2.71±.14; $M_{\phi r}$-3.22±.14; Best double couple: NP1:ϕ_s116.00000°,δ74.00000°,λ149.00000°. NP2:ϕ_s215.00000°,δ61.00000°,λ19.00000°. Principal axes: T 7.0400,Plg33.0000° ,Azm72.0000°; N -0.7720,Plg56.0000°,Azm271.0000°; P -6.2680,Plg9.0000°,Azm168.0000° $M_0 6.65400\times10^{16}$
NEIC Event type se. Moment Tensor Solution.Duration: 9§8 Moment tensor: Scale 10^{16}Nm; M_{rr}3.26 $M_{\theta\theta}$-5.25 $M_{\phi\phi}$1.99 $M_{r\theta}$1.75 $M_{\theta\phi}$-2.83 $M_{\phi r}$-3.61 NP1:ϕ_s217.00000°,δ56.00000° ,λ34.00000°. NP2:ϕ_s106.00000°,δ62.00000°,λ141.00000°. Principal axes: T 7.1074,Plg46.0000°,Azm69.0000°; N -0.8517,Plg44.0000°,Azm256.0000° ; P -6.2557,Plg4.0000°,Azm163.0000° $M_0 6.72000\times10^{16}$
ISC I 05 16 24 40.1–1.0 22.06S–.02 70.28W–.04 15–6 4.2b,3.4s 213 0-171
IDC I 05 16 24 38.0–.71 22.03S 70.40W 0 4.0,4.0b ¶609997971
SJA I 05 16 24 40.4–.74 22.05S 70.41W 31–2 4.3W,4.2L
NEIC I 05 16 24 42.9–1.8 22.05S–.03 70.30W–.06 31–6 4.5b,4.1
GUC I 05 16 24 43.7–.74 22.06S 70.28W 35–2 4.1L,4.1
ISC Event type se.
IDC Error ellipse: s-maj=24.4km s-min=12.0km az=29.0.
SJA Error ellipse: s-maj=1.4km s-min=3.7km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=8.1km s-min=4.9km az=92.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}1.32 $M_{\theta\theta}$-0.15 $M_{\phi\phi}$-1.17 $M_{r\theta}$0.05 $M_{\theta\phi}$0.42 $M_{\phi r}$-0.75 NP1:ϕ_s168.09000°,δ59.74000°,λ97.79000°. NP2:ϕ_s332.90000°,δ31.16000° ,λ76.92000°. Principal axes: T 1.5310,Plg74.0000°,Azm98.0000°; N -0.0270,Plg7.0000° ,Azm344.0000°; P -1.5040,Plg14.0000°,Azm252.0000° $M_0 1.52000\times10^{15}$
GUC Error ellipse: s-maj=1.4km s-min=2.8km az=-1.0.
ISC I 05 16 29 08.0–1.4 22.36S–.03 70.71W–.06 26–11 80 1-147
IDC I 05 16 29 05.8–1.2 21.74S 70.48W 0 3.7L,3.6 ¶609997972
NEIC I 05 16 29 09.5–1.9 22.37S–.03 70.75W–.07 35–8 4.1b,3.9L
GUC I 05 16 29 10.3–.83 22.38S 70.64W 37–3 3.9L,3.9L
ISC Event type se.
IDC Error ellipse: s-maj=53.2km s-min=15.8km az=35.0.
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=4.9km az=84.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=1.9km s-min=3.2km az=-1.0.
ISC I 07 17 33 04.2–.84 19.52S–.02 70.15W–.03 29–5 145 0-12
SJA I 07 17 33 02.4–.82 19.52S 70.14W 29–2 4.0L,3.9W ¶610570506
NEIC I 07 17 33 03.9–1.6 19.542S–.01 70.14W–.04 27–7 4.0L,3.7
GUC I 07 17 33 04.9–.61 19.52S 70.11W 32–1 4.0L,3.7
ISC Event type se.
SJA Error ellipse: s-maj=1.1km s-min=2.7km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=5.7km s-min=1.3km az=86.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}3.48 $M_{\theta\theta}$-1.36 $M_{\phi\phi}$-2.12 $M_{r\theta}$0.36 $M_{\theta\phi}$1.77 $M_{\phi r}$1.31 NP1:ϕ_s336.85000°,δ53.54000°,λ109.62000°. NP2:ϕ_s125.89000°,δ40.75000° ,λ65.55000°. Principal axes: T 3.8833,Plg73.0000°,Azm301.0000°; N -0.2420,Plg16.0000° ,Azm145.0000°; P -3.6413,Plg7.0000°,Azm53.0000° $M_0 3.77000\times10^{14}$
GUC Error ellipse: s-maj=0.8km s-min=1.7km az=-1.0.
ISC I 08 14 58 30.4–1.8 23.08S–.02 70.99W–.04 14–12 4.2b 170 1-148
SJA I 08 14 58 28.8–.68 23.03S 71.07W 27–4 4.6W,4.5L ¶610049669
IDC I 08 14 58 29.7–.90 23.02S 70.87W 0 4.0b,3.9
GUC I 08 14 58 30.8–.69 23.09S 70.98W 40–2 4.5L,3.9
NEIC I 08 14 58 31.1–1.5 23.07S–.03 70.98W–.07 20–5 4.6,4.4
VAO I 08 14 58 33.0–2.1 23.06S 70.78W 22–15 4.4b,4.4
ISC Event type se.
SJA Error ellipse: s-maj=2.1km s-min=6.5km az=-1.0.
IDC Error ellipse: s-maj=23.5km s-min=20.0km az=163.0.
GUC Error ellipse: s-maj=1.9km s-min=2.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=4.4km az=82.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}5.60 $M_{\theta\theta}$-0.74 $M_{\phi\phi}$-4.86 $M_{r\theta}$-0.44 $M_{\theta\phi}$1.53 $M_{\phi r}$-1.42 NP1:ϕ_s169.87000°,δ51.78000°,λ100.01000°. NP2:ϕ_s333.94000° ,δ39.31000°,λ77.55000°. Principal axes: T 5.8543,Plg80.0000°,Azm124.0000° ; N -0.3555,Plg8.0000°,Azm344.0000°; P -5.4987,Plg6.0000°,Azm253.0000° $M_0 5.68000\times10^{15}$
VAO Error ellipse: s-maj=4.4km s-min=5.8km az=-1.0.
ISC I 09 09 47 47.9–1.3 27.97S–.02 71.79W–.04 4–9 107 1-152
SJA I 09 09 47 50.1–.73 27.78S 71.67W 14–3 4.3L,3.9W ¶610237019
IDC I 09 09 47 52.5–1.6 27.72S 71.63W 0 3.7,3.6L
GUC I 09 09 47 55.1–.50 27.90S 71.30W 28–2 3.8L,3.6L
ISC Event type ke.
SJA Error ellipse: s-maj=1.8km s-min=5.4km az=-1.0.
IDC Error ellipse: s-maj=36.0km s-min=22.2km az=96.0.
GUC Error ellipse: s-maj=1.3km s-min=3.0km az=-1.0.
ISC I 16 14 34 35.7–1.6 27.80S–.04 71.59W–.06 6–10 67 1-152
IDC I 16 14 34 36.8–1.3 27.64S 71.47W 0 4.7b,4.3 ¶610097486
NEIC I 16 14 34 36.4–.84 27.79S–.05 71.59W–.06 11–11 4.0L,4.3
GUC I 16 14 34 39.6–.69 27.92S 71.34W 34–2 4.0L,4.3
ISC Event type se.
IDC Error ellipse: s-maj=73.6km s-min=44.1km az=129.0.
NEIC Event type se. Error ellipse: s-maj=8.9km s-min=4.8km az=51.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=1.8km s-min=4.6km az=-1.0.
ISC I 18 08 26 47.8–1.6 22.78S–.07 70.52W–.09 10–19 20 1-148
GUC I 18 08 26 48.5–.91 22.82S 70.50W 40–2 3.6L ¶610237654
IDC I 18 08 26 50.9–2.6 23.13S 68.76W 0 4.3b,3.9
ISC Event type ke.
GUC Error ellipse: s-maj=2.5km s-min=4.4km az=-1.0.
IDC Error ellipse: s-maj=110.9km s-min=36.0km az=95.0.
ISC I 21 11 23 09.5–1.1 20.52S–.02 70.96W–.06 22–7 92 1-16
SJA I 21 11 23 06.1–.65 20.54S 71.07W 30–2 4.0W,3.6L ¶612084246
VAO I 21 11 23 07.8–2.1 20.45S 71.08W 10 3.9b,3.6L
GUC I 21 11 23 10.1–.72 20.54S 70.96W 19–9 3.4L,3.6L
ISC Event type ke.
SJA Error ellipse: s-maj=1.9km s-min=4.3km az=-1.0.
VAO Error ellipse: s-maj=6.4km s-min=19.1km az=-1.0.
GUC Error ellipse: s-maj=1.5km s-min=3.0km az=-1.0.
ISC I 22 16 36 06.5–2.2 20.23S–.03 70.91W–.06 13–13 4.2b 108 1-171
VAO I 22 16 36 05.7–1.1 20.21S 70.96W 10 4.2b ¶610105094
IDC I 22 16 36 00.5–.83 20.32S 70.96W 0 3.7,3.7b
GUC I 22 16 36 08.8–.77 20.20S 70.88W 37–2 4.1L,3.7b
NEIC I 22 16 36 08.2–1.1 20.23S–.03 70.77W–.07 18–7 4.2b,4.1L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 25 10 39 45.4–.90 21.42S–.03 70.18W–.07 74–7 45 0-146
IDC I 25 10 39 45.0–2.9 21.57S 70.45W 47–26 4.5s,3.8 ¶610235322
GUC I 25 10 39 46.6–.80 21.41S 70.06W 74–3 3.8L,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=29.9km s-min=19.3km az=67.0.
GUC Error ellipse: s-maj=1.4km s-min=3.9km az=-1.0.
ISC I 26 16 32 20.1–1.9 20.64S–.03 70.94W–.08 16–10 33 1-146
GUC I 26 16 32 20.7–.77 20.64S 71.07W 15–14 3.1L ¶610235399
IDC I 26 16 32 26.3–6.3 20.78S 71.01W 74–35 3.8b,3.7
ISC Event type ke.
GUC Error ellipse: s-maj=1.8km s-min=4.3km az=-1.0.
IDC Error ellipse: s-maj=92.7km s-min=23.1km az=70.0.
ISC I 28 01 27 28.0–.31 19.94S–.02 70.06W–.03 48–2 5.0b,4.1s 551 0-172
MOS I 28 01 27 27.7–1.5 19.92S 69.93W 55 5.0b,4.1s ¶610145104
SJA I 28 01 27 27.6–1.9 19.94S 70.07W 52–8 5.0L,4.7W
NEIC I 28 01 27 28.7–1.7 19.96S–.02 70.04W–.05 52–4 5.0,5.0b
VAO I 28 01 27 28.8–.93 19.85S 69.95W 62–7 5.0b,5.0b
IDC I 28 01 27 29.1–.45 19.76S 69.80W 54–4 4.6,4.3b
GUC I 28 01 27 29.2–.61 19.95S 70.01W 54–2 5.0L,4.3b
GCMT I 28 01 27 33.7–.30 19.87S–.02 70.55W–.03 68–2 5.0W,4.3b
NEIC I 28 01 27 36.6 19.97S 70.15W 50 5.0W,4.3b
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s249.19676°,δ12.88243°,λ-3.51300°. NP2: ϕ_s342.62155°,δ89.21724°,λ-102.85903°. Principal axes: T Plg42.8162°,Azm85.0097° ; N Plg12.8578°,Azm342.8002°; P Plg44.3443°,Azm239.9096°
MOS Error ellipse: s-maj=14.9km s-min=7.8km az=111.0.
SJA Error ellipse: s-maj=2.4km s-min=6.4km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=6.3km s-min=2.1km az=84.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}2.89 $M_{\theta\theta}$-0.05 $M_{\phi\phi}$-2.84 $M_{r\theta}$0.34 $M_{\theta\phi}$0.78 $M_{\phi r}$-1.86 NP1:ϕ_s167.77000°,δ61.29000°,λ92.37000°. NP2:ϕ_s342.84000°,δ28.80000° ,λ85.68000°. Principal axes: T 3.4412,Plg74.0000°,Azm84.0000°; N 0.1513,Plg2.0000° ,Azm347.0000°; P -3.5925,Plg16.0000°,Azm256.0000° $M_0 3.52000\times10^{16}$
VAO Error ellipse: s-maj=4.4km s-min=7.3km az=-1.0.
IDC Error ellipse: s-maj=16.2km s-min=7.8km az=71.0.
GUC Error ellipse: s-maj=0.9km s-min=2.0km az=-1.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s41,c46; s89,c117;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}3.44±.17 $M_{\theta\theta}$0.49±.13; $M_{\phi\phi}$-3.93±.12; $M_{r\theta}$0.88±.09; $M_{\theta\phi}$1.27±.10; $M_{\phi r}$-1.37±.12; Best double couple: NP1:ϕ_s156.00000°,δ57.00000°,λ79.00000°. NP2:ϕ_s355.00000°,δ35.00000°,λ106.00000°. Principal axes: T 3.8190,Plg76.0000° ,Azm34.0000°; N 0.7490,Plg9.0000°,Azm162.0000°; P -4.5710,Plg11.0000°,Azm254.0000° $M_0 4.19500\times10^{16}$
NEIC Event type se. Moment Tensor Solution.Duration: 1§5 Moment tensor: Scale 10^{16}Nm; M_{rr}2.32 $M_{\theta\theta}$-0.07 $M_{\phi\phi}$-2.25 $M_{r\theta}$1.04 $M_{\theta\phi}$-0.35 $M_{\phi r}$-1.89 NP1:ϕ_s166.05000°,δ66.83000° ,λ72.08000°. NP2:ϕ_s25.46000°,δ28.99000°,λ125.71000°. Principal axes: T 3.3506,Plg64.0000°,Azm47.0000°; N -0.4163,Plg16.0000°,Azm173.0000° ; P -2.9343,Plg20.0000°,Azm269.0000° $M_0 3.14000\times10^{16}$
ISC I 28 13 39 02.0–.38 26.59S–.02 70.86W–.04 55–3 4.7b,3.7s 265 1-173
VAO I 28 13 38 55.3–.88 26.75S 70.93W 10 4.7b,3.7s ¶610147531
SJA I 28 13 38 59.9–.78 26.57S 70.89W 70–4 4.7L,4.4W
NEIC I 28 13 39 01.2–2.6 26.56S–.04 71.03W–.08 45–7 4.8b,4.7L
IDC I 28 13 39 03.5–.61 26.63S 70.62W 62–4 4.3,4.1b
GUC I 28 13 39 04.1–.70 26.67S 70.99W 55–11 4.8L,4.1b
ISC Event type se.
VAO Error ellipse: s-maj=4.6km s-min=8.7km az=-1.0.
SJA Error ellipse: s-maj=1.3km s-min=4.2km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=6.1km az=90.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=18.5km s-min=11.5km az=90.0.
GUC Error ellipse: s-maj=1.9km s-min=6.1km az=-1.0.
ISC I 30 07 57 22.1–1.8 20.26S–.03 70.84W–.08 24–12 32 1-146
IDC I 30 07 57 17.2–3.6 21.11S 70.60W 0 3.8b,3.6 ¶610235706
GUC I 30 07 57 22.4–.88 20.22S 70.91W 30–4 3.4L,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=141.8km s-min=46.2km az=107.0.
GUC Error ellipse: s-maj=1.8km s-min=3.5km az=-1.0.
ISC I 31 06 20 26.8–.76 25.24S–.03 70.27W–.08 50 3.6b 39 1-149
GUC I 31 06 20 26.7–.76 25.21S 70.40W 65–6 4.0L ¶610235782
IDC I 31 06 20 28.5–1.1 25.34S 69.97W 53–7 3.7,3.5b
ISC Event type ke.
GUC Error ellipse: s-maj=1.4km s-min=6.1km az=-1.0.
IDC Error ellipse: s-maj=29.0km s-min=12.2km az=94.0.
ISC II 02 13 10 15.6–2.5 20.30S–.03 70.98W–.09 15–13 35 1-146
SJA II 02 13 10 12.0–.65 20.33S 71.14W 12 3.5W,3.5L ¶610180938
IDC II 02 13 10 13.5–4.1 20.97S 70.69W 0 4.1b,3.9
GUC II 02 13 10 17.2–.70 20.30S 71.00W 36–3 3.4L,3.9
ISC Event type ke.
SJA Error ellipse: s-maj=1.5km s-min=2.2km az=-1.0. Hypocentre not reviewed by the ISC.
IDC Error ellipse: s-maj=119.7km s-min=63.8km az=100.0.
GUC Error ellipse: s-maj=1.2km s-min=2.8km az=-1.0.
ISC II 03 01 20 20.1–1.0 25.74S–.04 70.56W–.10 35 21 0-150
IDC II 03 01 20 12.7–2.0 26.25S 69.82W 0 3.8,3.8L ¶610414709
SJA II 03 01 20 18.2–.77 25.69S 70.50W 50 3.5W,3.4L
GUC II 03 01 20 21.9–.36 25.69S 70.22W 31–10 3.7L,3.4L
ISC Event type ke.
IDC Error ellipse: s-maj=130.1km s-min=25.1km az=102.0.
SJA Error ellipse: s-maj=2.2km s-min=6.7km az=-1.0. Hypocentre not reviewed by the ISC.
GUC Error ellipse: s-maj=1.1km s-min=3.0km az=-1.0.
GUC II 08 22 55 25.0–.70 26.84S 70.77W 38–5 3.5L
¶612084912
GUC Error ellipse: s-maj=2.3km s-min=3.3km az=-1.0.
ISC II 12 16 21 11.7–.74 27.91S–.03 71.31W–.04 17–4 5.2b,4.4s 527 0-174
SJA II 12 16 21 06.1–.61 27.82S 71.67W 11 5.1L,4.8W ¶610208521

VAO II 12 16 21 10.3–.30 27.91S 71.30W 7 5.0b,4.8W
NEIC II 12 16 21 11.5 28.38S 71.23W 40 5.0b,4.8W
NEIC II 12 16 21 11.5 27.88S 71.34W 40 5.0b,4.8W
MOS II 12 16 21 11.8–1.6 27.80S 71.15W 26 5.3b,4.8W
NEIC II 12 16 21 11.4–1.2 27.87S–.04 71.34W–.07 16–3 5.3b,5.1
NEIC II 12 16 21 11.4 27.88S 71.34W 16 5.3b,5.1
GUC II 12 16 21 12.9–.59 27.95S 71.24W 34–1 5.1L,5.1
IDC II 12 16 21 16.4–2.0 27.79S 71.00W 44–17 4.7,4.5b
GCMT II 12 16 21 18.4–.30 28.01S–.02 71.58W–.02 33–0 5.1W,4.5b
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s22.22098°,δ29.88182°,λ79.10737°. NP2: ϕ_s214.73451°,δ60.70960°,λ96.19703°. Principal axes: T Plg73.5450°,Azm140.3673° ; N Plg5.4022°,Azm31.6937°; P Plg15.4952°,Azm300.1914° Moment Tensor Solution. NP1: ϕ_s78.23526°,δ17.33050°,λ171.60614°. NP2:ϕ_s176.25313°,δ87.50776°,λ72.84419°. Principal axes: T Plg44.8905°,Azm69.1310°; N Plg17.1391°,Azm177.0222°; P Plg40.1101° ,Azm282.0791°
ISC Hypocentre not reviewed by the ISC.
NEIC Event type se. Moment Tensor Solution.Duration: 1s8 Moment tensor: Scale 10^{16}Nm; M_{rr}4.47 $M_{\theta\theta}$-0.72 $M_{\phi\phi}$-3.74 $M_{r\theta}$-0.23 $M_{\theta\phi}$0.03 $M_{\phi r}$-3.28 NP1:ϕ_s182.09000°,δ64.34000° ,λ91.91000°. NP2:ϕ_s357.69000°,δ25.73000°,λ86.03000°. Principal axes: T 5.6235,Plg71.0000°,Azm96.0000°; N -0.7297,Plg2.0000°,Azm1.0000° ; P -4.8938,Plg19.0000°,Azm271.0000° $M_0$5.26000×10^{16}
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}1.81 $M_{\theta\theta}$0.34 $M_{\phi\phi}$-2.15 $M_{r\theta}$0.52 $M_{\theta\phi}$0.02 $M_{\phi r}$-1.48 NP1:ϕ_s166.90000°,δ64.65000°,λ77.44000°. NP2:ϕ_s14.38000°,δ28.10000° ,λ114.65000°. Principal axes: T 2.4154,Plg68.0000°,Azm53.0000°; N 0.2418,Plg11.0000° ,Azm172.0000°; P -2.6571,Plg19.0000°,Azm266.0000° $M_0$2.54000×10^{16}
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s58,c76; s91,c117;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.95±.17 $M_{\theta\theta}$0.45±.12; $M_{\phi\phi}$-4.41±.13; $M_{r\theta}$0.73±.14; $M_{\theta\phi}$0.40±.08; $M_{\phi r}$-3.25±.16; Best double couple: NP1:ϕ_s170.00000°,δ64.00000°,λ85.00000°. NP2:ϕ_s2.00000°,δ26.00000°,λ101.00000°. Principal axes: T 5.1330,Plg70.0000° ,Azm69.0000°; N 0.4490,Plg5.0000°,Azm172.0000°; P -5.5880,Plg19.0000°,Azm264.0000° $M_0$5.36000×10^{16}
ISC II 12 17 14 28.4–1.4 27.90S–.04 71.22W–.08 25–9 33 0-152
SJA II 12 17 14 23.9–.73 27.84S 71.52W 8–4 3.9L,3.5W **¶610415391**
GUC II 12 17 14 30.3–.76 27.95S 71.11W 32–2 3.8L,3.5W
IDC II 12 17 14 31.0–3.7 27.71S 71.38W 42–28 4.0,3.9b
ISC Event type ke.
SJA Error ellipse: s-maj=2.5km s-min=5.8km az=-1.0. Hypocentre not reviewed by the ISC.
GUC Error ellipse: s-maj=2.1km s-min=4.6km az=-1.0.
IDC Error ellipse: s-maj=47.5km s-min=13.2km az=84.0.
ISC II 17 09 17 51.7–.55 23.45S–.03 70.46W–.05 55–5 4.6b,3.7s 215 0-172
SJA II 17 09 17 50.2–.74 23.44S 70.56W 73–2 4.5L,4.4W **¶610224165**
NEIC II 17 09 17 51.7–2.7 23.47S–.03 70.58W–.06 59–6 4.7b,4.5
IDC II 17 09 17 53.9–2.1 23.60S 70.30W 56–18 4.3,4.2L
GUC II 17 09 17 54.6–.78 23.33S 70.39W 54–9 4.5L,4.2L
VAO II 17 09 17 55.0–.43 23.40S 70.14W 62 4.6b,4.2L
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s204.80336°,δ59.52972°,λ-20.64418°. NP2: ϕ_s305.61935°,δ72.30972°,λ-147.84169°. Principal axes: T Plg8.2619°,Azm72.8411° ; N Plg53.7601°,Azm331.4147°; P Plg34.9903°,Azm168.6745°
SJA Error ellipse: s-maj=1.4km s-min=4.8km az=-1.0. Hypocentre not reviewed by the ISC.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=2.6km az=66.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-3.34 $M_{\theta\theta}$-2.01 $M_{\phi\phi}$5.35 $M_{r\theta}$2.65 $M_{\theta\phi}$0.93 $M_{\phi r}$-3.12 NP1:ϕ_s335.76000°,δ69.84000°,λ-124.46000°. NP2:ϕ_s219.09000°,δ39.29000° ,λ-32.98000°. Principal axes: T 6.3519,Plg18.0000°,Azm91.0000°; N -0.1342,Plg32.0000° ,Azm349.0000°; P -6.2178,Plg52.0000°,Azm205.0000° $M_0$6.29000×10^{15}
IDC Error ellipse: s-maj=20.5km s-min=11.8km az=106.0.
GUC Error ellipse: s-maj=6.8km s-min=6.4km az=-1.0.
VAO Error ellipse: s-maj=3.1km s-min=4.5km az=-1.0.
ISC II 22 11 51 18.5–.92 25.63S–.03 70.90W–.06 15–5 4.2b,3.3s 128 1-158
IDC II 22 11 51 13.6–.73 26.05S 70.31W 0 4.2b,3.9 **¶610384803**
VAO II 22 11 51 15.7–.37 25.79S 71.29W 10 4.4b,3.9
SJA II 22 11 51 17.8–.83 25.63S 70.83W 21–2 4.5L,4.3W
NEIC II 22 11 51 18.5–1.6 25.62S–.04 70.9W–.10 17–8 4.3b,4.1L
GUC II 22 11 51 20.2–.55 25.64S 70.78W 10–4 4.1L,4.1L
ISC Event type se.
IDC Error ellipse: s-maj=25.5km s-min=15.8km az=86.0.
VAO Error ellipse: s-maj=3.2km s-min=4.1km az=-1.0.
SJA Error ellipse: s-maj=1.3km s-min=4.2km az=-1.0. Hypocentre not reviewed by the ISC.
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=6.3km az=91.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=1.1km s-min=3.2km az=-1.0.
ISC II 22 19 28 20.0–1.4 20.39S–.03 70.45W–.08 25–9 33 0-146
SJA II 22 19 28 16.0–.71 20.42S 70.53W 7 3.8L,3.7W **¶610384826**
GUC II 22 19 28 20.3–.68 20.41S 70.49W 28–3 3.8L,3.7W
IDC II 22 19 28 27.2–3.0 20.44S 69.95W 78–24 3.8,3.2b
ISC Event type ke.
SJA Error ellipse: s-maj=1.1km s-min=2.8km az=-1.0. Hypocentre not reviewed by the ISC.
GUC Error ellipse: s-maj=1.0km s-min=2.9km az=-1.0.
IDC Error ellipse: s-maj=52.5km s-min=22.1km az=100.0.
ISC II 26 17 41 43.1–1.2 19.95S–.03 70.59W–.08 54–11 34 1-145
IDC II 26 17 41 35.6–4.1 20.75S 70.23W 0 4.0b,3.6 **¶610385077**
SJA II 26 17 41 41.2–1.6 19.89S 70.55W 30 3.6W,3.5L
GUC II 26 17 41 44.9–.63 19.92S 70.46W 57–4 3.4L,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=134.9km s-min=64.6km az=98.0.
SJA Error ellipse: s-maj=4.0km s-min=6.4km az=-1.0. Hypocentre not reviewed by the ISC.
GUC Error ellipse: s-maj=1.1km s-min=2.8km az=-1.0.
GUC II 28 13 36 27.0–.83 23.24S 70.77W 41–2 3.7L
SJA II 28 13 36 26.4–1.4 23.20S 70.77W 25–4 3.7L,3.6W **¶612086317**
GUC Error ellipse: s-maj=2.0km s-min=4.6km az=-1.0.
SJA Error ellipse: s-maj=3.3km s-min=6.6km az=-1.0. Hypocentre not reviewed by the ISC.
ISC III 11 14 17 30.6–1.5 22.76S–.04 70.48W–.06 27–12 27 1-148
IDC III 11 14 17 26.2–4.6 23.17S 70.17W 0 3.9s,3.9b **¶610546019**
SJA III 11 14 17 27.8–.83 22.73S 70.60W 25–5 3.9W,3.6L
GUC III 11 14 17 30.9–.80 22.73S 70.50W 39–4 3.6L,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=147.1km s-min=64.9km az=88.0.
SJA Error ellipse: s-maj=2.3km s-min=6.7km az=-1.0. Hypocentre not reviewed by the ISC.
GUC Error ellipse: s-maj=1.7km s-min=3.1km az=-1.0.
ISC III 12 20 00 24.9–2.0 20.17S–.03 70.92W–.09 23–14 35 1-146
IDC III 12 20 00 21.8–3.7 21.14S 70.24W 0 3.8b,3.6 **¶610546093**
GUC III 12 20 00 25.8–.61 20.16S 70.95W 34–2 3.5L,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=142.9km s-min=46.1km az=103.0.
GUC Error ellipse: s-maj=1.1km s-min=2.2km az=-1.0.
GUC III 15 00 37 04.4–.83 27.48S 71.09W 51–9 3.5L
SJA III 15 00 37 00.5–.64 27.35S 71.32W 32–2 3.5W,3.4L **¶612087299**
GUC Error ellipse: s-maj=4.6km s-min=6.1km az=-1.0.
SJA Error ellipse: s-maj=1.2km s-min=2.7km az=-1.0. Hypocentre not reviewed by the ISC.
ISC III 23 15 23 47.5–1.1 20.27S–.03 70.20W–.07 35–4 33 0-145
SJA III 23 15 23 42.6–.76 20.21S 70.39W 62–6 3.7W,3.6L **¶610543548**
GUC III 23 15 23 45.4–.76 20.18S 70.31W 48–2 3.4L,3.6L
IDC III 23 15 23 49.5–2.6 20.34S 69.48W 0 3.4,3.1L
ISC Event type ke.
SJA Error ellipse: s-maj=1.4km s-min=3.4km az=-1.0. Hypocentre not reviewed by the ISC.
GUC Error ellipse: s-maj=1.3km s-min=2.9km az=-1.0.
IDC Error ellipse: s-maj=66.5km s-min=24.0km az=95.0.
ISC III 30 07 10 27.0–.67 19.20S–.03 70.03W–.06 65–6 3.9b 90 0-144
SJA III 30 07 10 25.8–.72 19.19S 70.05W 75–3 4.0W,4.0L **¶610470134**
VAO III 30 07 10 25.5–.65 19.07S 70.10W 10 4.1b,4.0L
NEIC III 30 07 10 27.7–1.1 19.22S–.04 70.04W–.06 68–7 4.1L,4.0b
GUC III 30 07 10 28.0–.82 19.17S 69.96W 70–4 4.1L,4.0b
IDC III 30 07 10 31.3–2.2 19.30S 69.51W 114–22 3.8,3.4b
ISC Event type se.
SJA Error ellipse: s-maj=1.6km s-min=2.8km az=-1.0. Hypocentre not reviewed by the ISC.
VAO Error ellipse: s-maj=3.9km s-min=7.5km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=8.8km s-min=4.6km az=63.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=1.7km s-min=3.4km az=-1.0.
IDC Error ellipse: s-maj=39.2km s-min=13.4km az=105.0.
ISC IV 02 23 29 34.6–.73 19.87S–.02 70.11W–.04 48–6 4.2b 110 0-170
SJA IV 02 23 29 33.7–.80 19.87S 70.08W 55–4 3.9W,3.9L **¶610471066**
NEIC IV 02 23 29 35.1–2.1 19.88S–.03 70.13W–.02 35–2 4.3b,3.9L
GUC IV 02 23 29 35.8–.73 19.87S 70.06W 50–3 3.9L,3.9L
IDC IV 02 23 29 37.8–2.6 19.95S 69.92W 83–26 3.8,3.2b
ISC Event type se.
SJA Error ellipse: s-maj=1.3km s-min=2.7km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=5.3km s-min=3.1km az=154.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=1.1km s-min=2.4km az=-1.0.
IDC Error ellipse: s-maj=40.7km s-min=27.4km az=92.0.
GUC IV 04 11 51 38.0–.70 19.84S 70.54W 47–4 3.5L
SJA IV 04 11 51 35.5–.71 19.84S 70.60W 58–6 3.5W,3.5L **¶616344614**
GUC Error ellipse: s-maj=1.1km s-min=2.6km az=-1.0.
SJA Error ellipse: s-maj=1.2km s-min=3.0km az=-1.0.
ISC IV 04 13 01 49.2–.82 20.29S–.02 70.30W–.05 33–2 3.8b 135 0-145
SJA IV 04 13 01 47.5–.70 20.29S 70.29W 40–1 4.1W,4.1L **¶610482612**
NEIC IV 04 13 01 49.7–1.2 20.32S–.03 70.23W–.04 36–5 4.2b,4.1L
GUC IV 04 13 01 50.1–.79 20.31S 70.20W 40–2 4.1L,4.1L
VAO IV 04 13 01 50.5–.68 20.22S 70.35W 37 4.1b,4.1L
IDC IV 04 13 01 52.7–2.4 20.33S 70.13W 69–22 3.8,3.3b
ISC Event type se.
SJA Error ellipse: s-maj=1.3km s-min=4.0km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=6.2km s-min=3.6km az=58.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=1.1km s-min=2.7km az=-1.0.
VAO Error ellipse: s-maj=3.7km s-min=7.2km az=-1.0.
IDC Error ellipse: s-maj=29.4km s-min=19.5km az=95.0.
ISC IV 04 18 38 19.7–1.2 21.93S–.02 70.57W–.05 22–6 62 1-5
SJA IV 04 18 38 17.6–.86 21.94S 70.60W 23–3 3.6W,3.4L **¶616344620**
GUC IV 04 18 38 21.4–.75 21.92S 70.55W 27–10 3.1L,3.4L
ISC Event type ke.
SJA Error ellipse: s-maj=1.9km s-min=3.5km az=-1.0.
GUC Error ellipse: s-maj=1.2km s-min=3.0km az=-1.0.
ISC IV 06 05 11 23.2–1.3 26.09S–.03 70.63W–.07 85–9 48 0-5
SJA IV 06 05 11 22.0–.56 26.07S 70.62W 50 3.5L,3.3W **¶616344641**
GUC IV 06 05 11 24.3–.41 26.14S 70.38W 69–3 3.0L,3.3W
ISC Event type ke.
SJA Error ellipse: s-maj=1.4km s-min=3.0km az=-1.0.
GUC Error ellipse: s-maj=2.1km s-min=2.8km az=-1.0.
GUC IV 10 15 28 40.2–.65 27.61S 70.14W 92–3 3.5L
¶616344705
GUC Error ellipse: s-maj=1.7km s-min=3.1km az=-1.0.
ISC IV 11 13 39 44.0–.26 27.64S–.02 70.01W–.03 85–2 5.2b 611 0-173
VAO IV 11 13 39 35.0–.27 27.75S 70.17W 10 5.2b **¶610526711**
MOS IV 11 13 39 42.6–1.2 27.57S 69.93W 83 5.2b
GUC IV 11 13 39 43.8–.74 27.64S 70.05W 82–5 5.3L
SJA IV 11 13 39 43.3–.76 27.60S 70.09W 90–4 5.3L,5.1W
IDC IV 11 13 39 44.5–.40 27.59S 69.85W 86–2 4.8,4.5b
NEIC IV 11 13 39 44.8 27.61S 70.09W 70 4.8,4.5b
NEIC IV 11 13 39 44.8 27.71S 70.20W 70 4.8,4.5b
NEIC IV 11 13 39 44.8 27.62S 70.07W 84 4.8,4.5b
NEIC IV 11 13 39 44.8–1.8 27.61S–.05 70.07W–.07 83–3 5.2b,5.1
GCMT IV 11 13 39 48.8–.20 27.71S–.01 70.22W–.02 87–2 5.1W,5.1
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s186.41373°,δ55.33825°,λ-56.05273°. NP2: ϕ_s316.60666°,δ46.97431°,λ-128.92525°. Principal axes: T Plg4.6072°,Azm253.0761° ; N Plg27.3433°,Azm345.4643°; P Plg62.2061°,Azm154.2821° Moment Tensor Solution. NP1:ϕ_s281.76111°,δ80.06941°,λ-147.11646°. NP2:ϕ_s185.39914°,δ57.66974°,λ-11.77646°. Principal axes: T Plg14.8456°,Azm49.6634°; N Plg55.8115°,Azm296.6966°; P Plg30.0069° ,Azm148.4687°
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 1s7 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.19 $M_{\theta\theta}$0.34 $M_{\phi\phi}$1.85 $M_{r\theta}$1.21 $M_{\theta\phi}$-3.34 $M_{\phi r}$2.43 NP1:ϕ_s177.16000°,δ68.45000° ,λ-42.51000°. NP2:ϕ_s285.76000°,δ51.07000°,λ-151.82000°. Principal axes: T 4.7364,Plg11.0000°,Azm235.0000°; N 0.0591,Plg43.0000°,Azm335.0000° ; P -4.7955,Plg45.0000°,Azm134.0000° $M_0$4.77000×10^{16}
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.63 $M_{\theta\theta}$0.20 $M_{\phi\phi}$-0.83 $M_{r\theta}$1.05 $M_{\theta\phi}$-3.07 $M_{\phi r}$4.40 NP1:ϕ_s5.28000°,δ85.38000°,λ58.01000°. NP2:ϕ_s267.93000°,δ32.29000° ,λ171.32000°. Principal axes: T 4.7573,Plg41.0000°,Azm246.0000°; N 1.2943,Plg32.0000° ,Azm8.0000°; P -6.0516,Plg33.0000°,Azm122.0000° $M_0$5.52000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s64,c77; s96,c139;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.86±.15 $M_{\theta\theta}$-1.06±.17; $M_{\phi\phi}$0.20±.20; $M_{r\theta}$0.26±.09; $M_{\theta\phi}$-3.82±.12; $M_{\phi r}$3.69±.10; Best double couple: NP1:ϕ_s8.00000°,δ84.00000°,λ45.00000°. NP2:ϕ_s272.00000°,δ46.00000°,λ171.00000°. Principal axes: T 5.3070,Plg35.0000° ,Azm240.0000°; N 0.1970,Plg45.0000°,Azm14.0000°; P -5.5010,Plg25.0000°,Azm132.0000° $M_0$5.40400×10^{16}
ISC IV 12 05 26 07.7–1.3 21.62S–.02 70.46W–.05 16–9 60 1-5
SJA IV 12 05 26 05.9–.73 21.62S 70.51W 18–2 3.5W,3.4L **¶616344735**
GUC IV 12 05 26 10.0–.70 21.64S 70.39W 20–5 3.3L,3.4L
ISC Event type ke.
SJA Error ellipse: s-maj=1.2km s-min=2.9km az=-1.0.
GUC Error ellipse: s-maj=1.0km s-min=2.4km az=-1.0.
ISC IV 12 17 18 09.9–1.7 27.03S–.03 71.33W–.06 4–12 49 1-5
SJA IV 12 17 18 12.2–1.3 27.06S 71.38W 45–28 3.6W,3.5L **¶616344748**
GUC IV 12 17 18 15.3–.45 27.18S 71.13W 40–1 3.5L,3.5L
ISC Event type ke.
SJA Error ellipse: s-maj=3.7km s-min=13.9km az=-1.0.
GUC Error ellipse: s-maj=1.9km s-min=2.4km az=-1.0.
ISC IV 12 17 27 07.5–3.4 27.04S–.03 71.33W–.06 12–24 46 1-5
SJA IV 12 17 27 06.9–1.2 27.03S 71.21W 10–15 3.6L,3.3W **¶616344749**
GUC IV 12 17 27 12.0–.73 27.16S 71.13W 39–3 3.4L,3.3W
ISC Event type ke.
SJA Error ellipse: s-maj=2.7km s-min=8.5km az=-1.0.
GUC Error ellipse: s-maj=3.4km s-min=4.0km az=-1.0.
ISC IV 14 16 02 18.2–1.6 25.94S–.05 71.0W–.10 55–11 20 0-150
GUC IV 14 16 02 20.3–.57 26.12S 70.77W 51–3 3.5L **¶610652740**
IDC IV 14 16 02 21.5–3.3 26.00S 70.47W 78–26 3.7,3.5b
ISC Event type ke.
GUC Error ellipse: s-maj=3.6km s-min=4.0km az=-1.0.
IDC Error ellipse: s-maj=56.0km s-min=12.1km az=93.0.
ISC IV 15 02 57 09.1–.64 27.03S–.02 70.44W–.05 89–5 3.7b 110 0-151
SJA IV 15 02 57 07.4–.67 27.02S 70.48W 105–3 4.0L,3.9W **¶610652770**
NEIC IV 15 02 57 09.3–1.8 27.04S–.06 70.5W–.10 93–6 4.0L,3.9W
GUC IV 15 02 57 10.3–.66 27.07S 70.41W 86–3 3.9L,3.9W
IDC IV 15 02 57 10.1–.88 27.05S 70.15W 82–7 3.8,3.6s
ISC Event type se.
SJA Error ellipse: s-maj=1.1km s-min=3.3km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=15.3km s-min=7.5km az=103.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=1.9km s-min=3.0km az=-1.0.
IDC Error ellipse: s-maj=26.7km s-min=10.7km az=87.0.
ISC IV 15 08 13 36.3–.93 19.46S–.02 70.48W–.06 62–9 3.7b 102 1-89
SJA IV 15 08 13 34.2–1.2 19.49S 70.54W 40 3.9L,3.7W **¶610528733**
NEIC IV 15 08 13 36.6–1.5 19.43S–.04 70.5W–.10 44–2 4.3b,4.2L
GUC IV 15 08 13 36.9–.67 19.42S 70.39W 72–4 4.1L,4.2L
IDC IV 15 08 13 38.7–3.0 19.45S 70.16W 85–25 3.6,3.3b
ISC Event type se.

SJA Error ellipse: s-maj=1.8km s-min=4.2km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=16.1km s-min=6.0km az=90.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=1.2km s-min=2.8km az=-1.0.
IDC Error ellipse: s-maj=40.2km s-min=15.2km az=97.0.
ISC IV 17 13 29 34.5–.56 19.21S–.03 70.21W–.05 55–5 4.1b 134 1-170
SJA IV 17 13 29 32.0–.82 19.17S 70.19W 79–4 4.3L,4.2W **¶610529485**
NEIC IV 17 13 29 35.2–1.6 19.22S–.02 70.18W–.07 45–11 4.3L,4.2W
GUC IV 17 13 29 35.6–.82 19.18S 70.12W 58–7 4.4L,4.2W
IDC IV 17 13 29 36.1–.91 19.07S 69.97W 72–7 4.1,3.7b
ISC Event type se.
SJA Error ellipse: s-maj=2.5km s-min=3.6km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=1.5km az=75.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=2.2km s-min=3.2km az=-1.0.
IDC Error ellipse: s-maj=22.2km s-min=11.8km az=84.0.
ISC IV 19 07 39 07.6–.97 19.38S–.02 70.05W–.05 59–8 66 0-89
SJA IV 19 07 39 05.7–.86 19.40S 70.06W 70–4 3.7W,3.6L **¶610653035**
GUC IV 19 07 39 08.3–.59 19.39S 70.01W 65–3 3.8L,3.6L
IDC IV 19 07 39 11.8–2.6 19.24S 69.68W 102–24 3.6,3.2b
ISC Event type ke.
SJA Error ellipse: s-maj=1.9km s-min=3.4km az=-1.0.
GUC Error ellipse: s-maj=1.0km s-min=2.3km az=-1.0.
IDC Error ellipse: s-maj=48.8km s-min=15.4km az=97.0.
ISC IV 19 08 22 26.4–3.3 27.83S–.03 71.41W–.06 4–23 52 0-5
SJA IV 19 08 22 27.6–1.3 27.85S 71.30W 25 3.8W,3.8L **¶616344861**
GUC IV 19 08 22 32.2–.87 27.91S 71.10W 31–3 3.5L,3.8L
ISC Event type ke.
SJA Error ellipse: s-maj=2.6km s-min=9.8km az=-1.0.
GUC Error ellipse: s-maj=2.3km s-min=5.4km az=-1.0.
ISC IV 24 07 31 58.4–.98 19.92S–.02 70.03W–.05 50–9 71 0-127
SJA IV 24 07 31 56.5–.82 19.90S 70.04W 56–8 3.7W,3.6L **¶610649867**
GUC IV 24 07 31 59.4–.79 19.91S 69.97W 46–3 3.7L,3.6L
IDC IV 24 07 32 02.6–2.8 19.88S 69.62W 87–23 3.5,3.2b
ISC Event type ke.
SJA Error ellipse: s-maj=1.5km s-min=3.2km az=-1.0.
GUC Error ellipse: s-maj=1.1km s-min=2.3km az=-1.0.
IDC Error ellipse: s-maj=52.0km s-min=15.6km az=95.0.
ISC IV 24 15 01 22.0–1.3 23.70S–.03 70.23W–.05 53–12 57 0-5
SJA IV 24 15 01 18.3–.56 23.68S 70.33W 79–2 3.5W,3.2L **¶616345049**
GUC IV 24 15 01 20.9–.89 23.71S 70.20W 68–5 3.2L,3.2L
ISC Event type ke.
SJA Error ellipse: s-maj=1.2km s-min=2.6km az=-1.0.
GUC Error ellipse: s-maj=1.8km s-min=3.3km az=-1.0.
ISC IV 27 21 48 51.6–.87 22.84S–.03 70.62W–.06 31–6 4.0b 44 0-148
IDC IV 27 21 48 52.0–.88 22.91S 70.44W 31–5 3.8,3.7b **¶610650170**
GUC IV 27 21 48 52.0–.94 22.84S 70.58W 39–2 3.9L,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=24.0km s-min=13.7km az=171.0.
GUC Error ellipse: s-maj=1.4km s-min=3.1km az=-1.0.
ISC IV 30 09 36 01.6–1.1 19.96S–.02 70.85W–.04 13–6 5.2b,4.5s 714 1-172
SJA IV 30 09 35 59.8–.74 20.03S 71.04W 27–2 5.2W,5.1L **¶610589479**
IDC IV 30 09 36 00.2–.41 19.95S 70.72W 0 4.6b,4.5
NEIC IV 30 09 36 01.8 19.93S 70.98W 20 4.6b,4.5
NEIC IV 30 09 36 01.8 20.03S 70.98W 20 4.6b,4.5
VAO IV 30 09 36 01.0–.46 19.90S 70.84W 10 4.9b,4.5
MOS IV 30 09 36 01.2–1.3 19.82S 70.80W 13 5.1b,4.5
NEIC IV 30 09 36 01.7–1.8 20.02S–.04 70.97W–.05 10–1 5.2b,5.1
NEIC IV 30 09 36 01.5 20.02S 70.99W 9 5.2b,5.1
GUC IV 30 09 36 03.1–.75 19.99S 70.97W 36–4 4.8L,5.1
BJI IV 30 09 36 05.0–.00 20.00S 70.80W 28 5.4b,5.3s
GCMT IV 30 09 36 07.0–.30 19.96S–.02 71.17W–.02 22–0 5.1W,5.3s
ISC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 1s7 Moment tensor: Scale 10^{16}Nm; M_{rr}3.16 $M_{\theta\theta}$0.14 $M_{\phi\phi}$-3.29 $M_{r\theta}$0.80 $M_{\theta\phi}$0.75 $M_{\phi r}$-3.09 NP1:ϕ_s166.26000°,δ67.01000° ,λ88.41000°. NP2:ϕ_s350.32000°,δ23.04000°,λ93.73000°. Principal axes: T 4.4476,Plg68.0000°,Azm73.0000°; N 0.2901,Plg1.0000°,Azm167.0000° ; P -4.7377,Plg22.0000°,Azm257.0000° $M_0$4.59000$\times10^{16}$
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}3.07 $M_{\theta\theta}$-0.22 $M_{\phi\phi}$-2.85 $M_{r\theta}$-0.12 $M_{\theta\phi}$0.64 $M_{\phi r}$-0.18 NP1:ϕ_s344.21000°,δ43.63000°,λ85.79000°. NP2:ϕ_s170.02000°,δ46.52000° ,λ94.00000°. Principal axes: T 3.0792,Plg87.0000°,Azm141.0000°; N -0.0778,Plg3.0000° ,Azm347.0000°; P -3.0014,Plg1.0000°,Azm257.0000° $M_0$3.04000$\times10^{16}$
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s51,c57; s96,c121;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}4.43±.19 $M_{\theta\theta}$-0.40±.10; $M_{\phi\phi}$-4.04±.14; $M_{r\theta}$0.91±.16; $M_{\theta\phi}$1.17±.07; $M_{\phi r}$-3.03±.20; Best double couple: NP1:ϕ_s163.00000°,δ63.00000°,λ90.00000°. NP2:ϕ_s344.00000°,δ27.00000°,λ90.00000°. Principal axes: T 5.4490,Plg72.0000° ,Azm73.0000°; N -0.0520,Plg0.0000°,Azm164.0000°; P -5.4020,Plg18.0000°,Azm254.0000° $M_0$5.42500$\times10^{16}$
ISC V 07 22 07 27.1–.99 22.53S–.02 70.39W–.04 29–8 71 0-147
IDC V 07 22 07 22.7–4.7 23.01S 69.90W 0 3.7b,3.6 **¶610689759**
SJA V 07 22 07 25.4–.75 22.52S 70.41W 30–2 3.6W,3.3L
GUC V 07 22 07 27.0–.79 22.52S 70.36W 36–2 3.3L,3.3L
ISC Event type ke.
IDC Error ellipse: s-maj=145.5km s-min=60.7km az=85.0.
SJA Error ellipse: s-maj=1.7km s-min=3.2km az=-1.0.
GUC Error ellipse: s-maj=1.4km s-min=2.5km az=-1.0.
ISC V 09 07 15 36.6–1.6 26.05S–.02 70.99W–.06 18–10 58 0-5
SJA V 09 07 15 34.8–.66 25.97S 71.09W 25–3 3.6W,3.5L **¶612738702**
GUC V 09 07 15 39.4–.60 26.04S 70.74W 36–2 3.4L,3.5L
ISC Event type ke.
SJA Error ellipse: s-maj=1.4km s-min=5.3km az=-1.0.
GUC Error ellipse: s-maj=1.7km s-min=6.0km az=-1.0.
ISC V 13 19 44 41.6–1.3 21.78S–.02 70.44W–.05 26–10 4.4b 68 1-147
NEIC V 13 19 44 43–1.2 21.76S–.01 70.40W–.06 35–10 4.4b,4.2L **¶610638581**
GUC V 13 19 44 43.8–.73 21.76S 70.37W 40–2 4.0L,4.2L
IDC V 13 19 44 45.4–3.4 21.86S 70.36W 64–25 3.5,3.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=1.9km az=85.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=1.2km s-min=2.9km az=-1.0.
IDC Error ellipse: s-maj=48.2km s-min=19.7km az=54.0.
ISC V 15 08 10 29.5–.97 18.14S–.05 70.86W–.09 84–8 4.0b 81 1-126
NEIC V 15 08 10 30.4–1.3 18.12S–.06 70.82W–.09 84–7 4.4b,3.8L **¶610690325**
IDC V 15 08 10 32.0–3.1 18.24S 70.70W 106–27 3.9,3.5b
GUC V 15 08 10 31.2–.78 18.04S 70.67W 83–4 3.9L,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.3km s-min=6.8km az=122.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=40.8km s-min=19.0km az=96.0.
GUC Error ellipse: s-maj=2.9km s-min=4.6km az=-1.0.
ISC V 16 13 56 32.4–.93 18.92S–.02 70.19W–.03 26–8 112 0-144
IDC V 16 13 56 25.6–1.6 19.58S 70.29W 0 3.7,3.7L **¶610641641**
SJA V 16 13 56 31.2–.79 18.92S 70.12W 30–2 4.2L,4.1W
NEIC V 16 13 56 32.5 18.95S 70.18W 19 4.2L,4.1W
GUC V 16 13 56 33.4–.76 18.89S 70.13W 32–2 4.2L,4.1W
NEIC V 16 13 56 33.5–1.7 18.94S–.03 70.19W–.05 31–8 4.4,4.4b
ISC Event type se.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-0.14 $M_{\theta\theta}$-0.95 $M_{\phi\phi}$1.08 $M_{r\theta}$-0.62 $M_{\theta\phi}$-0.72 $M_{\phi r}$-0.17 NP1:ϕ_s24.39000°,δ71.23000°,λ-17.77000°. NP2:ϕ_s120.27000°,δ73.21000° ,λ-160.36000°. Principal axes: T 1.3095,Plg1.0000°,Azm252.0000°; N 0.1710,Plg64.0000° ,Azm159.0000°; P -1.4806,Plg26.0000°,Azm343.0000° $M_0$1.40000$\times10^{15}$
ISC V 17 00 42 20.0–.62 22.01S–.02 70.08W–.04 46–5 4.5b,3.5s 213 0-171
SJA V 17 00 42 17.7–.90 22.00S 70.06W 63–4 4.4L,4.3W **¶610641722**
GUC V 17 00 42 20.5–.68 22.03S 70.02W 51–2 4.3L,4.3W
NEIC V 17 00 42 20–1.7 22.02S–.03 70.09W–.05 45–5 4.5b,4.3L
IDC V 17 00 42 22.5–1.7 22.01S 69.81W 76–15 4.1,3.8b
VAO V 17 00 42 26.1–.47 21.71S 69.34W 10 4.5b,3.8b
ISC Event type se.
SJA Error ellipse: s-maj=2.0km s-min=3.8km az=-1.0.
GUC Error ellipse: s-maj=1.0km s-min=2.4km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=6.2km s-min=3.8km az=85.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=25.1km s-min=18.0km az=69.0.
VAO Error ellipse: s-maj=3.1km s-min=4.8km az=-1.0.
ISC V 17 19 38 16.1–.69 26.99S–.03 70.03W–.05 95–6 4.2b 86 1-151
SJA V 17 19 38 16.8–1.1 26.95S 70.06W 80 3.9W,3.8L **¶610690521**
NEIC V 17 19 38 16.4–1.8 27.01S–.04 70.1W–.10 92–9 4.2b,4.0L
GUC V 17 19 38 17.0–.73 27.01S 70.00W 95–5 4.0L,4.0L
IDC V 17 19 38 17.2–1.2 26.94S 69.87W 91–6 4.3,4.1b
ISC Event type se.
SJA Error ellipse: s-maj=8.4km s-min=9.0km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=18.6km s-min=3.6km az=103.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=1.9km s-min=3.2km az=-1.0.
IDC Error ellipse: s-maj=46.9km s-min=11.0km az=88.0.
ISC V 20 09 48 17.3–.97 25.93S–.04 70.35W–.10 61–8 25 0-150
IDC V 20 09 48 08.1–1.4 26.32S 69.92W 0 4.5b,3.8 **¶610685021**
GUC V 20 09 48 16.1–.52 25.90S 70.29W 66–3 3.9L,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=39.4km s-min=23.0km az=102.0.
GUC Error ellipse: s-maj=1.2km s-min=3.5km az=-1.0.
ISC V 21 22 37 28.9–1.5 20.98S–.03 70.87W–.06 28–12 62 1-4
SJA V 21 22 37 27.2–1.7 21.07S 70.83W 15 3.8W,3.6L **¶612738974**
GUC V 21 22 37 31.8–.68 20.99S 70.71W 50–6 3.7L,3.6L
ISC Event type ke.
SJA Error ellipse: s-maj=3.9km s-min=6.4km az=-1.0.
GUC Error ellipse: s-maj=1.7km s-min=3.8km az=-1.0.
ISC V 24 15 15 14.9–1.0 22.54S–.02 70.36W–.04 32–8 61 0-4
SJA V 24 15 15 13.2–.66 22.57S 70.34W 43–8 3.8W,3.6L **¶612739006**
GUC V 24 15 15 14.0–.74 22.54S 70.34W 44–1 3.6L,3.6L
ISC Event type ke.
SJA Error ellipse: s-maj=1.3km s-min=2.7km az=-1.0.
GUC Error ellipse: s-maj=1.2km s-min=2.7km az=-1.0.
ISC V 27 06 45 19.4–2.3 26.64S–.03 70.90W–.09 7–16 39 1-5
SJA V 27 06 45 20.7–.75 26.66S 70.93W 64–7 3.8W,3.6L **¶612739041**
GUC V 27 06 45 22.3–.78 26.69S 70.77W 47–3 3.3L,3.6L
ISC Event type ke.
SJA Error ellipse: s-maj=2.9km s-min=9.9km az=-1.0.
GUC Error ellipse: s-maj=2.3km s-min=7.2km az=-1.0.
ISC VI 03 11 16 43.6–1.5 20.12S–.02 70.97W–.05 9–8 4.2b 109 1-146
SJA VI 03 11 16 41.8–.79 20.09S 71.00W 22–2 4.1W,4.1L **¶610791170**
IDC VI 03 11 16 42.2–1.4 19.94S 70.96W 0 4.0,4.0b
GUC VI 03 11 16 46.3–.72 20.06S 70.91W 18–5 4.1L,4.0b
NEIC VI 03 11 16 46.3–1.5 20.10S–.07 70.8W–.10 25–6 4.2b,4.1L
VAO VI 03 11 16 56.4–.66 20.19S 70.18W 73 3.8b,4.1L
ISC Event type se.
SJA Error ellipse: s-maj=2.0km s-min=2.9km az=-1.0.
IDC Error ellipse: s-maj=34.1km s-min=25.0km az=72.0.
GUC Error ellipse: s-maj=1.2km s-min=2.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=17.7km s-min=8.4km az=110.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Error ellipse: s-maj=3.4km s-min=7.2km az=-1.0.
ISC VI 04 00 07 27.0–.52 27.82S–.03 71.14W–.06 22–4 4.5b,3.8s 201 0-160
IDC VI 04 00 07 23.8–.53 27.84S 70.98W 0 4.3,4.3b **¶610661319**
VAO VI 04 00 07 27.9–.40 27.84S 71.12W 29 4.7b,4.3b
NEIC VI 04 00 07 28.4 27.80S 71.07W 28 4.7b,4.3b
GUC VI 04 00 07 28.6–.77 27.84S 71.07W 41–2 4.6L,4.3b
NEIC VI 04 00 07 28.4–2.2 27.78S–.04 71.10W–.07 32–3 4.7L,4.6b
ISC Event type se.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}2.28 $M_{\theta\theta}$0.07 $M_{\phi\phi}$-2.35 $M_{r\theta}$0.75 $M_{\theta\phi}$-0.53 $M_{\phi r}$-2.65 NP1:ϕ_s171.73000°,δ70.43000°,λ75.33000°. NP2:ϕ_s29.73000°,δ24.29000° ,λ125.46000°. Principal axes: T 3.7085,Plg62.0000°,Azm59.0000°; N -0.1480,Plg14.0000° ,Azm177.0000°; P -3.5604,Plg24.0000°,Azm273.0000° $M_0$3.64000$\times10^{15}$
ISC VI 04 14 36 56.4–.41 19.53S–.02 70.11W–.05 51–4 4.5b 271 0-170
NEIC VI 04 14 36 56.9–1.7 19.57S–.03 70.15W–.05 53–6 4.5L,4.5b **¶610661358**
IDC VI 04 14 36 56.8–.44 19.40S 69.98W 52–3 4.2,3.9b
GUC VI 04 14 36 57.4–.83 19.54S 70.09W 53–5 4.5L,3.9b
VAO VI 04 14 36 57.0–.35 19.44S 70.10W 55 4.4b,3.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=6.3km s-min=3.7km az=81.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=17.0km s-min=9.2km az=66.0.
GUC Error ellipse: s-maj=1.3km s-min=2.9km az=-1.0.
VAO Error ellipse: s-maj=2.6km s-min=3.9km az=-1.0.
ISC VI 06 05 30 19.6–2.0 27.84S–.05 71.75W–.08 3–11 51 1-152
NEIC VI 06 05 30 21.1–2.2 27.80S–.01 71.69W–.08 10–2 4.2b,3.4L **¶610791321**
IDC VI 06 05 30 22.2–1.8 27.67S 71.36W 0 4.2b,4.0
GUC VI 06 05 30 23.8–.60 27.89S 71.51W 15–3 3.4L,4.0
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=3.0km az=267.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=52.3km s-min=30.4km az=91.0.
GUC Error ellipse: s-maj=2.1km s-min=5.0km az=-1.0.
ISC VI 06 07 09 03.1–1.2 19.41S–.02 70.49W–.05 17–9 57 1-4
SJA VI 06 07 09 02.8–.79 19.42S 70.48W 33–2 3.9W,3.8L **¶612739229**
GUC VI 06 07 09 05.8–.59 19.39S 70.43W 49–4 3.7L,3.8L
ISC Event type ke.
SJA Error ellipse: s-maj=1.3km s-min=2.8km az=-1.0.
GUC Error ellipse: s-maj=1.1km s-min=2.4km az=-1.0.
SJA VI 06 17 34 34.9–1.6 20.89S 70.03W 10–7 3.5L,3.3W
¶616964728
SJA Error ellipse: s-maj=2.3km s-min=6.5km az=-1.0.
ISC VI 07 02 06 46.6–1.2 27.81S–.04 71.50W–.07 11–6 4.0b 26 1-152
IDC VI 07 02 06 46.7–1.2 27.67S 71.29W 0 3.8L,3.7 **¶612739245**
GUC VI 07 02 06 47.8–.89 27.88S 71.47W 23–9 3.2L,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=34.6km s-min=21.6km az=90.0.
GUC Error ellipse: s-maj=3.3km s-min=6.4km az=-1.0.
ISC VI 07 03 08 44.9–2.0 27.81S–.04 71.64W–.07 5–12 33 1-152
IDC VI 07 03 08 46.8–1.3 27.67S 71.27W 0 3.7,3.7L **¶610791372**
GUC VI 07 03 08 47.3–.79 27.89S 71.50W 26–6 3.5L,3.7L
ISC Event type ke.
IDC Error ellipse: s-maj=34.2km s-min=20.5km az=91.0.
GUC Error ellipse: s-maj=2.4km s-min=5.4km az=-1.0.
IDC VI 07 06 47 39.5–1.8 27.71S 71.26W 0 3.4L,3.3
¶617196371
IDC Error ellipse: s-maj=59.9km s-min=32.5km az=66.0.
ISC VI 07 06 47 52.5–.83 27.94S–.03 71.36W–.08 22–4 36 0-152
IDC VI 07 06 47 49.5–1.4 27.81S 71.36W 0 4.0L,3.7 **¶610791384**
SJA VI 07 06 47 50.9–1.8 27.88S 71.43W 4–8 3.9L,3.8W
GUC VI 07 06 47 51.5–.50 27.93S 71.40W 22–3 3.8L,3.8W
ISC Event type ke.
IDC Error ellipse: s-maj=43.2km s-min=36.4km az=132.0.

SJA Error ellipse: s-maj=4.4km s-min=11.9km az=-1.0.
GUC Error ellipse: s-maj=1.3km s-min=3.5km az=-1.0.
ISC VI 07 08 01 28.9–1.9 27.90S–.03 71.52W–.10 25–15 29 1-5
SJA VI 07 08 01 22.4–.52 27.80S 71.83W 4–4 3.6L,3.4W **¶612739252**
GUC VI 07 08 01 28.8–.66 27.92S 71.52W 33–4 3.0L,3.4W
ISC Event type ke.
SJA Error ellipse: s-maj=1.5km s-min=3.6km az=-1.0.
GUC Error ellipse: s-maj=2.3km s-min=5.6km az=-1.0.
ISC VI 07 08 03 45.4–.84 27.86S–.03 71.66W–.07 35 34 1-152
GUC VI 07 08 03 39.7–.83 27.92S 71.79W 33–5 3.9L **¶610791391**
IDC VI 07 08 03 42.0–1.0 27.70S 71.64W 0 3.8,3.8L
ISC Event type ke.
GUC Error ellipse: s-maj=1.8km s-min=4.8km az=-1.0.
IDC Error ellipse: s-maj=31.2km s-min=20.2km az=99.0.
ISC VI 07 08 55 20.4–1.9 27.81S–.03 71.71W–.07 4–11 49 1-152
SJA VI 07 08 55 16.6–.61 27.79S 71.92W 7–3 3.9L,3.7W **¶610791396**
IDC VI 07 08 55 22.5–1.8 27.68S 71.41W 0 4.7b,3.9
GUC VI 07 08 55 24.5–.75 27.93S 71.41W 35–3 3.4L,3.9
ISC Event type ke.
SJA Error ellipse: s-maj=1.3km s-min=4.5km az=-1.0.
IDC Error ellipse: s-maj=43.9km s-min=20.7km az=93.0.
GUC Error ellipse: s-maj=2.2km s-min=5.9km az=-1.0.
ISC VI 07 08 59 05.1–1.6 27.88S–.02 71.71W–.05 2–10 4.5b 149 1-152
SJA VI 07 08 59 02.5–.62 27.83S 71.77W 8–4 4.4L,4.2W **¶610791397**
IDC VI 07 08 59 06.5–.97 27.75S 71.53W 0 4.0,4.0b
NEIC VI 07 08 59 06.2–2.8 27.81S–.05 71.7W–.10 10–2 4.3b,3.9L
GUC VI 07 08 59 08.3–.75 27.95S 71.47W 34–3 3.9L,3.9L
VAO VI 07 08 59 18.3–.93 27.91S 71.36W 115 4.2b,3.9L
ISC Event type se.
SJA Error ellipse: s-maj=1.4km s-min=3.0km az=-1.0.
IDC Error ellipse: s-maj=27.7km s-min=21.9km az=69.0.
NEIC Event type se. Error ellipse: s-maj=16.6km s-min=7.2km az=291.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=1.7km s-min=4.1km az=-1.0.
VAO Error ellipse: s-maj=7.4km s-min=8.2km az=-1.0.
ISC VI 08 13 48 50.3–.35 22.13S–.03 70.20W–.04 74–3 4.9b 275 0-171
SJA VI 08 13 48 48.8–.79 22.08S 70.23W 82–5 5.0L,4.7W **¶610667954**
VAO VI 08 13 48 49.4–.44 22.14S 70.18W 65 5.0b,4.7W
NEIC VI 08 13 48 49.8 21.95S 70.40W 80 5.0b,4.7W
NEIC VI 08 13 48 49.8 22.15S 70.19W 80 5.0b,4.7W
NEIC VI 08 13 48 50.1–2.6 22.13S–.04 70.15W–.09 70–5 5.0,5.0b
IDC VI 08 13 48 52.1–1.6 22.00S 70.03W 76–14 4.4,4.0b
GUC VI 08 13 48 52.3–.74 22.08S 70.11W 66–3 5.0L,4.0b
ISC Event type se.
SJA Error ellipse: s-maj=2.2km s-min=5.9km az=-1.0.
VAO Error ellipse: s-maj=3.2km s-min=4.7km az=-1.0.
NEIC Event type se. Moment Tensor Solution.Duration: $1^{s}3$ Moment tensor: Scale 10^{16}Nm;
M_{rr}0.53 $M_{\theta\theta}$2.01 $M_{\phi\phi}$-2.53 $M_{r\theta}$-0.11 $M_{\theta\phi}$-0.77 $M_{\phi r}$-1.58 NP1:ϕ_s323.43000°,δ79.92000°
,λ-21.60000°. NP2:ϕ_s57.39000°,δ68.74000°,λ-169.17000°. Principal axes:
T 2.1544,Plg8.0000°,Azm12.0000°; N 1.1535,Plg66.0000°,Azm120.0000°
; P -3.3080,Plg22.0000°,Azm279.0000° $M_0$2.73000×10^{16}
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=4.9km az=77.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=22.1km s-min=15.4km az=69.0.
GUC Error ellipse: s-maj=1.5km s-min=3.4km az=-1.0.
ISC VI 09 03 03 54.8–1.6 27.81S–.02 71.67W–.05 2–9 4.5b 121 1-174
SJA VI 09 03 03 52.7–.53 27.77S 71.77W 10–5 4.5L,4.1W **¶610668115**
VAO VI 09 03 03 55.2–.42 27.90S 71.73W 10 4.5b,4.1W
IDC VI 09 03 03 56.5–1.0 27.74S 71.46W 0 4.2L,4.1
NEIC VI 09 03 03 56.5–1.7 27.79S–.04 71.61W–.06 12–3 4.2b,4.2
NEIC VI 09 03 03 56.3 27.79S 71.61W 11 4.2b,4.2
GUC VI 09 03 03 58.4–.81 27.93S 71.44W 39–4 4.2L,4.2
ISC Event type se.
SJA Error ellipse: s-maj=1.9km s-min=4.2km az=-1.0.
VAO Error ellipse: s-maj=4.4km s-min=4.6km az=-1.0.
IDC Error ellipse: s-maj=27.6km s-min=21.3km az=91.0.
NEIC Event type se. Error ellipse: s-maj=8.2km s-min=4.4km az=60.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}2.48 $M_{\theta\theta}$0.06 $M_{\phi\phi}$-2.54 $M_{r\theta}$0.32 $M_{\theta\phi}$-0.29
$M_{\phi r}$-0.84 NP1:ϕ_s177.49000°,δ54.45000°,λ79.43000°. NP2:ϕ_s15.29000°,δ36.89000°
,λ104.40000°. Principal axes: T 2.6665,Plg78.0000°,Azm50.0000°; N 0.0333,Plg9.0000°
,Azm184.0000°; P -2.6997,Plg9.0000°,Azm275.0000° $M_0$2.68000×10^{15}
NEIC Event type se.
GUC Error ellipse: s-maj=1.9km s-min=7.0km az=-1.0.
ISC VI 09 17 19 55.7–1.7 27.84S–.03 71.67W–.07 10–10 49 1-152
SJA VI 09 17 19 55.4–.57 27.80S 71.67W 29–3 4.0W,3.8L **¶610791548**
IDC VI 09 17 19 57.4–2.8 27.66S 71.26W 0 4.1b,3.9
GUC VI 09 17 19 58.5–.71 27.84S 71.52W 13–4 3.6L,3.9
ISC Event type ke.
SJA Error ellipse: s-maj=1.4km s-min=3.6km az=-1.0.
IDC Error ellipse: s-maj=111.8km s-min=67.2km az=92.0.
GUC Error ellipse: s-maj=2.6km s-min=4.4km az=-1.0.
ISC VI 09 23 05 43.0–2.1 27.80S–.04 71.73W–.08 8–12 34 1-5
SJA VI 09 23 05 43.4–.60 27.82S 71.64W 25–3 3.5W,3.5L **¶612739293**
GUC VI 09 23 05 46.8–.68 27.87S 71.58W 23–8 3.3L,3.5L
ISC Event type ke.
SJA Error ellipse: s-maj=3.2km s-min=5.5km az=-1.0.
GUC Error ellipse: s-maj=2.5km s-min=4.9km az=-1.0.
ISC VI 10 02 32 17.0–1.6 19.25S–.03 70.58W–.07 7–11 46 1-4
SJA VI 10 02 32 18.1–1.3 19.29S 70.54W 26–6 3.5W,3.2L **¶612739296**
GUC VI 10 02 32 20.8–.70 19.26S 70.52W 39–4 3.4L,3.2L
ISC Event type ke.
SJA Error ellipse: s-maj=3.6km s-min=9.7km az=-1.0.
GUC Error ellipse: s-maj=1.5km s-min=2.6km az=-1.0.
ISC VI 11 01 41 29.5–1.4 20.55S–.03 70.68W–.07 28–9 67 0-146
IDC VI 11 01 41 24.2–4.0 21.40S 70.25W 0 4.1b,3.7 **¶610791628**
SJA VI 11 01 41 28.8–.70 20.56S 70.62W 37–1 3.8W,3.7L
GUC VI 11 01 41 31.6–.89 20.54S 70.57W 41–3 3.7L,3.7L
ISC Event type ke.
IDC Error ellipse: s-maj=127.1km s-min=61.7km az=94.0.
SJA Error ellipse: s-maj=1.3km s-min=3.0km az=-1.0.
GUC Error ellipse: s-maj=1.8km s-min=4.0km az=-1.0.
ISC VI 11 17 53 34.6–1.6 27.85S–.03 71.57W–.09 22–13 32 1-3
SJA VI 11 17 53 32.8–.78 27.84S 71.61W 26–3 3.8W,3.5L **¶612739337**
GUC VI 11 17 53 35.4–.77 27.87S 71.45W 25–6 3.0L,3.5L
ISC Event type ke.
SJA Error ellipse: s-maj=1.9km s-min=4.9km az=-1.0.
GUC Error ellipse: s-maj=2.9km s-min=5.6km az=-1.0.
ISC VI 13 19 59 03.4–4.9 19.69S–.02 70.15W–.05 38–7 70 0-4
SJA VI 13 19 59 01.6–.87 19.70S 70.12W 50–6 3.5W,3.4L **¶612739382**
GUC VI 13 19 59 03.3–.74 19.68S 70.10W 52–4 3.4L,3.4L
ISC Event type ke.
SJA Error ellipse: s-maj=1.5km s-min=2.8km az=-1.0.
GUC Error ellipse: s-maj=1.1km s-min=2.4km az=-1.0.
ISC VI 16 23 43 25.6–1.3 25.93S–.02 70.75W–.08 24–18 52 1-5
SJA VI 16 23 43 22.8–1.1 25.89S 70.82W 25 3.7W,3.6L **¶612739438**
GUC VI 16 23 43 26.6–.66 25.95S 70.67W 24–3 3.4L,3.6L
ISC Event type ke.
SJA Error ellipse: s-maj=2.7km s-min=7.4km az=-1.0.
GUC Error ellipse: s-maj=1.3km s-min=4.5km az=-1.0.
ISC VI 18 04 55 11.0–.85 22.45S–.02 70.39W–.04 64–6 3.6b 89 0-147
SJA VI 18 04 55 09.4–1.7 22.43S 70.38W 45 3.7W,3.6L **¶610792095**
GUC VI 18 04 55 11.5–.79 22.46S 70.28W 68–4 3.8L,3.6L
IDC VI 18 04 55 12.5–4.1 22.39S 70.24W 73–24 3.8,3.5b
ISC Event type se.
SJA Error ellipse: s-maj=2.6km s-min=6.1km az=-1.0.
GUC Error ellipse: s-maj=1.7km s-min=3.5km az=-1.0.
IDC Error ellipse: s-maj=62.9km s-min=27.4km az=39.0.
ISC VI 18 06 21 23.2–.76 26.36S–.02 70.92W–.07 29–5 66 0-151
SJA VI 18 06 21 22.7–.62 26.31S 70.86W 59–4 4.0L,3.9W **¶610792102**
IDC VI 18 06 21 26.0–1.1 26.34S 70.67W 48–7 3.4,3.1b
GUC VI 18 06 21 25.4–.79 26.34S 70.59W 47–3 3.7L,3.1b
ISC Event type ke.
SJA Error ellipse: s-maj=1.5km s-min=5.2km az=-1.0.
IDC Error ellipse: s-maj=33.7km s-min=13.2km az=91.0.
GUC Error ellipse: s-maj=2.0km s-min=9.4km az=-1.0.
ISC VI 19 11 54 33.8–1.4 21.71S–.02 70.21W–.04 15–10 55 0-3
SJA VI 19 11 54 34.3–.99 21.71S 70.15W 38–2 3.5W,3.5L **¶612739467**
GUC VI 19 11 54 36.2–.57 21.70S 70.11W 44–1 3.4L,3.5L
ISC Event type ke.
SJA Error ellipse: s-maj=1.5km s-min=3.5km az=-1.0.
GUC Error ellipse: s-maj=0.9km s-min=2.1km az=-1.0.
ISC VI 23 00 43 40.4–.48 27.37S–.03 70.60W–.05 63–4 4.4b 186 0-151
VAO VI 23 00 43 37.8–.91 27.51S 70.73W 47 4.3b **¶610693805**
SJA VI 23 00 43 38.4–.75 27.37S 70.57W 72–5 4.3W,4.3L
GUC VI 23 00 43 39.8–.69 27.39S 70.55W 71–4 4.1L,4.3L
NEIC VI 23 00 43 40.3–1.6 27.29S–.04 70.75W–.06 51–6 4.5b,4.2
NEIC VI 23 00 43 40.5 27.29S 70.78W 49 4.5b,4.2
IDC VI 23 00 43 41.0–.74 27.31S 70.35W 68–6 4.0,3.7b
ISC Event type se.
VAO Error ellipse: s-maj=7.3km s-min=8.1km az=-1.0.
SJA Error ellipse: s-maj=2.5km s-min=9.2km az=-1.0.
GUC Error ellipse: s-maj=3.0km s-min=6.6km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=7.9km s-min=5.0km az=109.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}1.26 $M_{\theta\theta}$-0.14 $M_{\phi\phi}$-1.12 $M_{r\theta}$0.44 $M_{\theta\phi}$0.51
$M_{\phi r}$1.80 NP1:ϕ_s137.99000°,δ23.05000°,λ45.47000°. NP2:ϕ_s4.89000°,δ73.79000°
,λ106.61000°. Principal axes: T 2.3859,Plg58.0000°,Azm297.0000°; N -0.2671,Plg16.0000°
,Azm180.0000°; P -2.1188,Plg27.0000°,Azm82.0000° $M_0$2.26000×10^{15}
NEIC Event type se.
IDC Error ellipse: s-maj=18.9km s-min=10.4km az=77.0.

(123) Northern Chile.

ISC I 01 05 19 54.1–.59 19.68S–.03 69.18W–.05 100–6 3.9b 142 0-127
SJA I 01 05 19 52.4–.66 19.64S 68.98W 29–3 4.1L,4.0W **¶610236355**
NEIC I 01 05 19 54.6–1.0 19.69S–.04 69.15W–.08 108–5 4.0b,4.0L
VAO I 01 05 19 55.8–.69 19.57S 68.94W 90–6 3.9b,4.0L
GUC I 01 05 19 55.9–.73 19.68S 69.18W 101–2 4.0L,4.0L
IDC I 01 05 19 56.2–1.0 19.71S 68.86W 116–11 4.1,3.6b
ISC Event type se.
SJA Error ellipse: s-maj=2.3km s-min=4.1km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=5.9km az=98.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Error ellipse: s-maj=3.1km s-min=6.5km az=-1.0.
GUC Error ellipse: s-maj=1.2km s-min=3.0km az=-1.0.
IDC Error ellipse: s-maj=22.1km s-min=8.7km az=98.0.
GUC I 01 16 14 36.2–.70 22.33S 68.64W 104–4 3.1L
¶612083924
GUC Error ellipse: s-maj=2.1km s-min=4.2km az=-1.0.
ISC I 05 00 43 13.4–.74 27.50S–.04 69.40W–.06 103–7 4.2b 67 1-151
GUC I 05 00 43 13.7–.78 27.50S 69.42W 90–8 3.6L **¶610236748**
IDC I 05 00 43 13.5–1.6 27.51S 69.04W 95–14 3.6,3.1b
NEIC I 05 00 43 14.1–1.9 27.48S–.06 69.45W–.10 102–6 4.3b,3.6L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 05 10 55 21.0–.89 23.26S–.05 68.34W–.09 159–10 37 1-20
VAO I 05 10 55 20.7–1.0 22.97S 68.52W 168–9 4.0b **¶612083996**
GUC I 05 10 55 22.7–.61 23.35S 68.24W 140–7 3.6L
ISC Event type ke.
VAO Error ellipse: s-maj=9.5km s-min=15.5km az=-1.0.
GUC Error ellipse: s-maj=2.9km s-min=6.1km az=-1.0.
ISC I 05 11 49 42.2–1.0 18.38S–.04 69.71W–.07 111–8 54 0-22
NEIC I 05 11 49 42.5–1.4 18.40S–.07 69.84W–.10 120–9 4.0b,4.0L **¶610570444**
GUC I 05 11 49 43.3–.74 18.32S 69.58W 100–3 4.0L,4.0L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.2km s-min=8.7km az=111.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=2.6km s-min=3.5km az=-1.0.
ISC I 11 21 58 17.9–.22 22.81S–.02 69.79W–.03 73–1 5.9b 1739 0-176
VAO I 11 21 58 09.9–.28 22.79S 69.82W 10 5.9b **¶611831542**
SJA I 11 21 58 15.9–.79 22.81S 69.81W 86–3 5.7L,5.4W
MOS I 11 21 58 17.4–1.1 22.61S 69.77W 67 6.2b,5.1s
IDC I 11 21 58 17.2–2.0 22.75S 69.56W 60–17 5.5,5.2b
GUC I 11 21 58 18.1–.65 22.80S 69.79W 79–3 5.7L,5.2b
NEIC I 11 21 58 18.4–2.2 22.82S–.04 69.80W–.05 72–1 5.9b,5.8
NEIC I 11 21 58 22.5 22.83S 69.73W 70 5.9b,5.8
GCMT I 11 21 58 22.4–.10 22.79S–.01 69.91W–.01 77–0 5.7W,5.8
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s203.22412°,δ29.44124°,λ-65.89908°. NP2:
ϕ_s356.03558°,δ63.34079°,λ-102.97878°. Principal axes: T Plg17.3690°,Azm95.6140°
; N Plg11.5787°,Azm1.9396°; P Plg68.9166°,Azm239.8377°
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-3.73 $M_{\theta\theta}$-0.26 $M_{\phi\phi}$4.00 $M_{r\theta}$-1.46
$M_{\theta\phi}$1.52 $M_{\phi r}$-2.98 NP1:ϕ_s23.70000°,δ64.57000°,λ-84.06000°. NP2:ϕ_s190.08000°,δ26.07000°
,λ-102.28000°. Principal axes: T 5.6373,Plg19.0000°,Azm109.0000°; N -0.7044,Plg5.0000°
,Azm201.0000°; P -4.9329,Plg70.0000°,Azm306.0000° $M_0$5.32000×10^{17} Moment Tensor
Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-4.60 $M_{\theta\theta}$-0.04 $M_{\phi\phi}$4.64 $M_{r\theta}$-2.35 $M_{\theta\phi}$2.64
$M_{\phi r}$-1.96 NP1:ϕ_s39.46000°,δ60.86000°,λ-72.43000°. NP2:ϕ_s186.42000°,δ33.62000°
,λ-118.44000°. Principal axes: T 6.5278,Plg14.0000°,Azm117.0000°; N -0.8593,Plg15.0000°
,Azm211.0000°; P -5.6685,Plg69.0000°,Azm346.0000° $M_0$6.14000×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: $4^{s}1$ Moment tensor: Scale 10^{17}Nm;
M_{rr}-5.17 $M_{\theta\theta}$-0.59 $M_{\phi\phi}$5.77 $M_{r\theta}$-1.65 $M_{\theta\phi}$1.88 $M_{\phi r}$-0.67 NP1:ϕ_s31.36000°,δ52.70000°
,λ-68.60000°. NP2:ϕ_s178.47000°,δ42.22000°,λ-115.59000°. Principal axes:
T 6.3828,Plg5.0000°,Azm106.0000°; N -0.6764,Plg17.0000°,Azm198.0000°
; P -5.7064,Plg72.0000°,Azm359.0000° $M_0$6.04000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s.
Triangular moment-rate function. Moment Tensor Solution. s139,c223; s151,c330;
Duration: $1^{s}8$ Moment tensor: Scale 10^{17}Nm; M_{rr}-3.76±.06 $M_{\theta\theta}$-1.21±.05; $M_{\phi\phi}$4.98±.06;
$M_{r\theta}$-1.77±.04; $M_{\theta\phi}$1.58±.05; $M_{\phi r}$-0.94±.05; Best double couple: NP1:ϕ_s36.00000°,δ58.00000°
,λ-60.00000°. NP2:ϕ_s169.00000°,δ43.00000°,λ-129.00000°. Principal axes:
T 5.5540,Plg8.0000°,Azm105.0000°; N -0.8770,Plg25.0000°,Azm199.0000°
; P -4.6680,Plg63.0000°,Azm358.0000° $M_0$5.11100×10^{17}
ISC I 11 22 13 55.1–.47 22.80S–.03 69.81W–.03 74–4 4.7b 207 0-171
VAO I 11 22 13 33.2–1.8 23.30S 71.49W 10 4.6b **¶610057036**
SJA I 11 22 13 54.5–.81 22.78S 69.84W 82–4 4.3L,4.2W
IDC I 11 22 13 55.9–.72 22.80S 69.73W 76–5 4.4,4.1b
NEIC I 11 22 13 55.7–1.6 22.78S–.04 69.80W–.07 73–3 4.7b,4.3L
GUC I 11 22 13 56.1–.66 22.80S 69.78W 69–3 4.3L,4.3L
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s223.34135°,δ37.04491°,λ-85.39505°. NP2:
ϕ_s37.57898°,δ53.09456°,λ-93.46776°. Principal axes: T Plg8.0347°,Azm130.0546°
; N Plg2.7723°,Azm39.6630°; P Plg81.4945°,Azm290.7702°
VAO Error ellipse: s-maj=11.8km s-min=17.8km az=-1.0.
SJA Error ellipse: s-maj=2.0km s-min=5.1km az=-1.0.
IDC Error ellipse: s-maj=21.3km s-min=12.2km az=162.0.
NEIC Event type se. Error ellipse: s-maj=9.0km s-min=5.5km az=81.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=1.9km s-min=2.2km az=-1.0.
ISC I 12 09 00 06.5–.36 18.11S–.03 69.14W–.04 142–3 5.1b 804 0-168
NEIC I 12 09 00 05.9–2.0 18.09S–.05 69.13W–.07 135–4 5.1b,4.8 **¶610057054**
SJA I 12 09 00 05.7–.60 18.20S 69.38W 167–12 4.9L,4.5W
MOS I 12 09 00 06.1–1.6 18.03S 69.08W 144 4.9b,4.5W
GUC I 12 09 00 06.5–.74 18.08S 69.23W 142–4 4.9L,4.5W
VAO I 12 09 00 06.2–.46 18.04S 69.02W 136–3 5.1b,4.5W

IDC I 12 09 00 08.1–.58 17.94S 68.91W 144–4 4.9,4.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=7.8km az=84.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SJA Error ellipse: s-maj=6.0km s-min=10.3km az=-1.0.
MOS Error ellipse: s-maj=14.0km s-min=7.3km az=106.4.
GUC Error ellipse: s-maj=4.0km s-min=5.4km az=-1.0.
VAO Error ellipse: s-maj=2.2km s-min=4.2km az=-1.0.
IDC Error ellipse: s-maj=12.9km s-min=10.5km az=77.0.
ISC I 14 09 22 02.3–.81 20.81S–.03 69.08W–.08 104–10 44 0-27
VAO I 14 09 22 04.2–.62 20.84S 68.94W 122–6 4.0b **¶612084132**
GUC I 14 09 22 04.2–.55 20.82S 69.03W 92–4 3.7L
ISC Event type ke.
VAO Error ellipse: s-maj=5.2km s-min=8.6km az=-1.0.
GUC Error ellipse: s-maj=0.9km s-min=3.1km az=-1.0.
ISC I 15 08 42 09.8–.71 20.16S–.03 69.33W–.06 107–6 3.5b 77 1-127
NEIC I 15 08 42 09.7–.99 20.16S–.05 69.3W–.10 107–9 4.0L,3.9b **¶610237425**
GUC I 15 08 42 10.7–.76 20.14S 69.22W 100–3 3.6L,3.9b
IDC I 15 08 42 11.1–2.1 20.21S 69.38W 113–20 3.6,3.1b
VAO I 15 08 42 11.3–.85 20.21S 69.27W 136–9 3.9b,3.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.5km s-min=6.7km az=90.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=1.4km s-min=3.5km az=-1.0.
IDC Error ellipse: s-maj=59.2km s-min=18.5km az=89.0.
VAO Error ellipse: s-maj=6.0km s-min=15.7km az=-1.0.
ISC I 15 08 48 25.2–.44 22.50S–.03 68.66W–.04 114–4 4.6b 320 0-170
SJA I 15 08 48 23.3–.67 22.51S 68.81W 139–6 4.6L,4.4W **¶610094927**
IDC I 15 08 48 24.9–.42 22.48S 68.54W 98–5 4.4,4.2b
NEIC I 15 08 48 25.3–2.0 22.53S–.05 68.62W–.05 108–4 4.9L,4.6b
VAO I 15 08 48 26.0–.41 22.24S 68.36W 92–3 4.9b,4.6b
GUC I 15 08 48 26.1–.76 22.50S 68.75W 115–4 4.9L,4.6b
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s220.72769°,δ67.64807°,λ31.19597°. NP2: ϕ_s117.75980°,δ61.37665°,λ154.32652°. Principal axes: T Plg37.4196°,Azm81.1231° ; N Plg52.2913°,Azm252.8582°; P Plg4.0042°,Azm348.0530°
SJA Error ellipse: s-maj=1.5km s-min=4.0km az=-1.0.
IDC Error ellipse: s-maj=18.7km s-min=14.7km az=172.0.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=4.8km az=140.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Error ellipse: s-maj=2.4km s-min=3.4km az=-1.0.
GUC Error ellipse: s-maj=1.8km s-min=2.7km az=-1.0.
ISC I 16 08 16 15.2–.85 20.03S–.04 69.12W–.06 89–8 30 0-145
GUC I 16 08 16 16.5–.72 20.06S 69.13W 93–5 3.8L **¶610237499**
IDC I 16 08 16 17.0–1.7 20.20S 68.64W 124–20 3.8,3.5b
ISC Event type ke.
GUC Error ellipse: s-maj=2.0km s-min=3.6km az=-1.0.
IDC Error ellipse: s-maj=35.5km s-min=18.4km az=117.0.
ISC I 17 07 49 12.1–.60 19.88S–.02 69.22W–.04 101–5 158 0-152
IDC I 17 07 48 58.0–1.6 20.49S 70.18W 0 4.4b,4.1 **¶610237581**
SJA I 17 07 49 11.3–.78 19.86S 69.18W 107–3 4.0L,3.9W
NEIC I 17 07 49 13.0–1.3 19.87S–.04 69.18W–.07 100–4 4.1b,4.0L
GUC I 17 07 49 13.5–.80 19.87S 69.15W 97–3 4.0L,4.0L
VAO I 17 07 49 13.2–.59 19.72S 69.13W 108–6 3.9b,4.0L
ISC Event type se.
IDC Error ellipse: s-maj=54.9km s-min=44.5km az=71.0.
SJA Error ellipse: s-maj=2.0km s-min=4.0km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=4.8km az=112.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=1.4km s-min=3.6km az=-1.0.
VAO Error ellipse: s-maj=4.1km s-min=5.6km az=-1.0.
ISC I 22 15 02 13.6–.87 22.69S–.05 69.00W–.07 115–7 36 0-147
IDC I 22 15 02 15.8–.94 22.78S 68.67W 96–14 3.8,3.6b **¶610235116**
GUC I 22 15 02 15.8–.70 22.67S 69.12W 112–3 3.7L,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=41.4km s-min=24.4km az=107.0.
GUC Error ellipse: s-maj=2.5km s-min=3.6km az=-1.0.
ISC I 23 14 58 04.7–.54 18.40S–.04 69.19W–.05 124–5 4.4b 154 0-168
VAO I 23 14 58 04.7–.72 18.30S 69.09W 112–5 4.6b **¶610105778**
NEIC I 23 14 58 05.7–.95 18.44S–.05 69.33W–.07 134–6 4.4b,4.2L
GUC I 23 14 58 06.4–.66 18.35S 69.23W 118–3 4.2L,4.2L
IDC I 23 14 58 07.0–1.4 18.39S 69.00W 136–11 4.3,3.9b
ISC Event type se.
VAO Error ellipse: s-maj=3.0km s-min=5.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=7.3km az=70.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=2.8km s-min=4.1km az=-1.0.
IDC Error ellipse: s-maj=16.8km s-min=13.0km az=80.0.
GUC I 24 05 00 24.8–.58 23.06S 69.15W 102–3 3.8L
¶612084294
GUC Error ellipse: s-maj=1.7km s-min=3.3km az=-1.0.
ISC I 24 06 11 14.5–.99 26.3S–.10 69.3W–.10 35 9 1-150
IDC I 24 06 11 10.1–1.7 26.38S 69.02W 0 3.7,3.7b **¶610235245**
ISC Event type ke.
IDC Error ellipse: s-maj=155.9km s-min=74.3km az=143.0.
ISC I 25 08 49 01.1–.84 18.02S–.06 69.57W–.08 136–7 39 0-88
GUC I 25 08 49 02.0–.75 17.98S 69.65W 133–3 3.3L **¶612084319**
VAO I 25 08 49 05.4–1.4 18.04S 69.18W 144–7 3.9b
IDC I 25 08 49 09.7–4.7 14.41S 68.87W 90–50 4.0,3.8b
ISC Event type ke.
GUC Error ellipse: s-maj=2.7km s-min=4.0km az=-1.0.
VAO Error ellipse: s-maj=6.0km s-min=14.9km az=-1.0.
IDC Error ellipse: s-maj=48.5km s-min=28.9km az=158.0.
ISC I 26 01 41 26.1–.41 25.77S–.03 69.47W–.04 91–3 4.4b 232 1-158
VAO I 26 01 41 21.8–.97 25.93S 69.61W 52–6 4.3b **¶610144694**
SJA I 26 01 41 25.5–.75 25.75S 69.47W 97–8 4.4L,4.2W
NEIC I 26 01 41 26.2–2.1 25.70S–.04 69.48W–.06 89–5 4.5,4.4b
NEIC I 26 01 41 26.4 25.70S 69.49W 93 4.5,4.4b
GUC I 26 01 41 26.3–.77 25.73S 69.45W 87–11 4.4L,4.4b
IDC I 26 01 41 27.2–.51 25.82S 69.37W 95–3 4.2,3.8b
ISC Event type se.
VAO Error ellipse: s-maj=5.5km s-min=6.6km az=-1.0.
SJA Error ellipse: s-maj=2.2km s-min=4.1km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=5.4km az=107.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-2.01 $M_{\theta\theta}$0.71 $M_{\phi\phi}$1.30 $M_{r\theta}$-0.20 $M_{\theta\phi}$0.26 $M_{\phi r}$-1.62 NP1:ϕ_s201.83000°,δ23.48000°,λ-80.58000°. NP2:ϕ_s11.58000°,δ66.85000° ,λ-94.07000°. Principal axes: T 2.0329,Plg22.0000°,Azm105.0000°; N 0.6376,Plg4.0000° ,Azm13.0000°; P -2.6705,Plg68.0000°,Azm274.0000° $M_0$2.42000×10^{15}
NEIC Event type se.
GUC Error ellipse: s-maj=2.5km s-min=6.2km az=-1.0.
IDC Error ellipse: s-maj=15.9km s-min=9.7km az=83.0.
ISC I 26 23 53 42.1–.48 20.34S–.02 69.00W–.04 109–4 4.2b 225 1-170
SJA I 26 23 53 41.5–.73 20.31S 69.03W 117–4 4.3L,4.2W **¶610133046**
IDC I 26 23 53 43.6–.57 20.33S 68.75W 111–5 4.2,3.6b
NEIC I 26 23 53 43.2–1.6 20.32S–.02 69.08W–.09 110–5 4.3L,4.2
VAO I 26 23 53 43.1–.59 20.19S 69.00W 118–5 4.2b,4.2
GUC I 26 23 53 43.5–.80 20.32S 68.99W 107–4 4.3L,4.2
ISC Event type se.
SJA Error ellipse: s-maj=1.4km s-min=3.8km az=-1.0.
IDC Error ellipse: s-maj=17.1km s-min=7.4km az=98.0.
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=2.8km az=87.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-1.78 $M_{\theta\theta}$0.28 $M_{\phi\phi}$1.50 $M_{r\theta}$0.76 $M_{\theta\phi}$-1.71 $M_{\phi r}$0.67 NP1:ϕ_s295.81000°,δ52.56000°,λ-134.02000°. NP2:ϕ_s173.64000°,δ55.18000° ,λ-47.77000°. Principal axes: T 2.7105,Plg1.0000°,Azm235.0000°; N -0.2685,Plg33.0000° ,Azm326.0000°; P -2.4420,Plg56.0000°,Azm143.0000° $M_0$2.59000×10^{15}
VAO Error ellipse: s-maj=3.2km s-min=5.3km az=-1.0.
GUC Error ellipse: s-maj=1.3km s-min=3.6km az=-1.0.
ISC I 27 13 23 30.8–.31 22.49S–.03 68.49W–.03 98–2 5.1b 804 0-170
MOS I 27 13 23 29.9–1.3 22.48S 68.53W 97 4.9b **¶610144704**
VAO I 27 13 23 30.5–.26 22.36S 68.47W 94–2 5.0b
SJA I 27 13 23 30.3–.83 22.53S 68.72W 111–4 5.0L,4.7W
NEIC I 27 13 23 30.9–1.6 22.48S–.06 68.51W–.08 93–4 5.1b,4.9
IDC I 27 13 23 30.6–.29 22.48S 68.57W 95–2 4.8,4.5b
GUC I 27 13 23 31.4–.71 22.49S 68.67W 110–4 4.9L,4.5b
NEIC I 27 13 23 32 22.78S 68.51W 80 4.9L,4.5b
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s19.52175°,δ63.80613°,λ-98.79513°. NP2: ϕ_s218.83812°,δ27.53178°,λ-72.73364°. Principal axes: T Plg18.3552°,Azm116.0627° ; N Plg7.8858°,Azm23.4287°; P Plg69.9100°,Azm271.1756°
MOS Error ellipse: s-maj=12.4km s-min=6.4km az=107.9.
VAO Error ellipse: s-maj=2.3km s-min=2.8km az=-1.0.
SJA Error ellipse: s-maj=2.6km s-min=3.1km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=8.1km az=80.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=11.8km s-min=9.1km az=161.0.
GUC Error ellipse: s-maj=2.5km s-min=3.8km az=-1.0.
NEIC Event type se. Moment Tensor Solution.Duration: 4^{s}0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.27 $M_{\theta\theta}$0.15 $M_{\phi\phi}$3.11 $M_{r\theta}$-0.18 $M_{\theta\phi}$-0.32 $M_{\phi r}$-0.44 NP1:ϕ_s170.00000°,δ41.00000° ,λ-95.00000°. NP2:ϕ_s358.00000°,δ49.00000°,λ-84.00000°. Principal axes: T 3.1722,Plg4.0000°,Azm84.0000°; N 0.1361,Plg4.0000°,Azm174.0000° ; P -3.3083,Plg85.0000°,Azm310.0000° $M_0$3.24000×10^{16}
ISC II 01 08 49 03.5–.98 20.44S–.03 69.24W–.07 96–8 35 1-127
IDC II 01 08 48 46.5–2.8 21.48S 69.58W 0 3.8s,3.7 **¶610414598**
SJA II 01 08 49 02.4–1.1 20.42S 69.20W 98–8 3.9L,3.8W
GUC II 01 08 49 03.4–.84 20.43S 69.14W 96–4 4.0L,3.8W
ISC Event type ke.
IDC Error ellipse: s-maj=72.1km s-min=59.1km az=58.0.
SJA Error ellipse: s-maj=2.9km s-min=7.8km az=-1.0. Hypocentre not reviewed by the ISC.
GUC Error ellipse: s-maj=1.2km s-min=3.6km az=-1.0.
ISC II 01 19 40 05.6–.85 27.84S–.04 69.42W–.07 107–8 27 1-151
IDC II 01 19 39 59.6–7.0 24.82S 69.18W 0 4.3b,4.1 **¶610414623**
SJA II 01 19 40 04.3–.73 27.80S 69.36W 101–5 3.5W,3.5L
GUC II 01 19 40 05.8–.49 27.82S 69.49W 113–4 3.6L,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=321.1km s-min=53.5km az=18.0.
SJA Error ellipse: s-maj=1.5km s-min=3.0km az=-1.0. Hypocentre not reviewed by the ISC.
GUC Error ellipse: s-maj=1.9km s-min=3.1km az=-1.0.
ISC II 02 04 14 04.5–.59 19.98S–.03 69.17W–.05 94–6 4.3b 116 0-152
SJA II 02 04 14 04.2–.74 19.98S 69.16W 104–3 4.1L,3.9W **¶610414646**
VAO II 02 04 14 04.5–.50 19.81S 69.01W 80 3.9b,3.9W
NEIC II 02 04 14 05.4–1.2 19.96S–.02 69.18W–.08 98–7 4.4b,4.0L
GUC II 02 04 14 06.5–.67 19.99S 69.17W 89–3 4.0L,4.0L
IDC II 02 04 14 08.6–.97 20.01S 68.83W 126–10 4.0,3.5b
ISC Event type se.
SJA Error ellipse: s-maj=1.5km s-min=3.5km az=-1.0. Hypocentre not reviewed by the ISC.
VAO Error ellipse: s-maj=3.9km s-min=5.2km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=2.9km az=98.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=1.0km s-min=3.0km az=-1.0.
IDC Error ellipse: s-maj=23.8km s-min=9.0km az=98.0.
ISC II 04 19 36 41.7–.95 18.61S–.05 69.49W–.09 122–8 34 0-127
IDC II 04 19 36 20.3–4.2 20.02S 70.18W 0 4.2L,4.0 **¶610414843**
GUC II 04 19 36 43.0–.79 18.56S 69.40W 111–3 3.7L,4.0
ISC Event type ke.
IDC Error ellipse: s-maj=79.6km s-min=60.8km az=102.0.
GUC Error ellipse: s-maj=3.0km s-min=4.4km az=-1.0.
ISC II 06 05 58 42.5–.73 18.29S–.04 69.60W–.07 130–6 54 0-77
GUC II 06 05 58 44.0–.64 18.24S 69.45W 115–2 3.5L **¶610414934**
VAO II 06 05 58 45.0–.52 18.02S 69.43W 140 3.8b
IDC II 06 05 58 46.1–6.8 17.93S 69.59W 156–75 3.8,3.5b
ISC Event type ke.
GUC Error ellipse: s-maj=2.8km s-min=3.7km az=-1.0.
VAO Error ellipse: s-maj=4.5km s-min=5.9km az=-1.0.
IDC Error ellipse: s-maj=384.6km s-min=75.2km az=138.0.
ISC II 07 21 07 07.8–.66 24.45S–.03 69.56W–.06 78–6 3.5b 65 1-148
SJA II 07 21 07 06.0–.53 24.39S 69.67W 120–10 3.8W,3.7L **¶610415071**
IDC II 07 21 07 07.7–1.1 24.63S 69.51W 80–7 3.7,3.3b
NEIC II 07 21 07 08.1–2.2 24.40S–.04 69.54W–.05 80–9 4.1L,3.8b
GUC II 07 21 07 08.2–.79 24.45S 69.63W 80–8 4.1L,3.8b
ISC Event type se.
SJA Error ellipse: s-maj=2.4km s-min=5.0km az=-1.0. Hypocentre not reviewed by the ISC.
IDC Error ellipse: s-maj=44.7km s-min=16.7km az=86.0.
NEIC Event type se. Error ellipse: s-maj=6.7km s-min=4.8km az=131.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=2.5km s-min=10.7km az=-1.0.
ISC II 09 13 40 37.2–.52 23.26S–.03 68.91W–.05 110–5 4.3b 173 1-147
SJA II 09 13 40 36.5–1.2 23.23S 69.02W 90 4.3W,4.3L **¶610415175**
NEIC II 09 13 40 36.6–2.7 23.26S–.04 68.78W–.09 112–8 4.7L,4.3b
IDC II 09 13 40 38.8–.78 23.12S 68.82W 109–3 4.3,4.0b
GUC II 09 13 40 38.3–.85 23.22S 68.97W 119–5 4.7L,4.0b
VAO II 09 13 40 41.4–.67 23.02S 68.56W 116 4.7b,4.0b
ISC Event type se.
SJA Error ellipse: s-maj=6.3km s-min=7.7km az=-1.0. Hypocentre not reviewed by the ISC.
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=6.3km az=99.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=22.6km s-min=15.9km az=55.0.
GUC Error ellipse: s-maj=2.6km s-min=4.5km az=-1.0.
VAO Error ellipse: s-maj=5.1km s-min=6.7km az=-1.0.
GUC II 11 04 08 20.6–.79 26.99S 69.45W 116–6 3.3L
¶612085104
GUC Error ellipse: s-maj=3.5km s-min=5.0km az=-1.0.
ISC II 11 08 24 00.4–.73 23.72S–.04 68.11W–.07 126–8 3.5b 72 1-147
IDC II 11 08 24 00.1–1.3 23.75S 67.92W 116–10 3.8,3.7s **¶610415300**
SJA II 11 08 24 01.1–.71 23.73S 68.05W 100 3.6W,3.6L
GUC II 11 08 24 01.6–.84 23.69S 68.26W 141–8 3.9L,3.6L
VAO II 11 08 24 03.8–.67 23.20S 68.12W 144 4.0b,3.6L
ISC Event type se.
IDC Error ellipse: s-maj=22.9km s-min=15.2km az=37.0.
SJA Error ellipse: s-maj=5.0km s-min=7.7km az=-1.0. Hypocentre not reviewed by the ISC.
GUC Error ellipse: s-maj=2.5km s-min=6.3km az=-1.0.
VAO Error ellipse: s-maj=4.7km s-min=6.9km az=-1.0.
ISC II 11 17 56 43.7–1.0 22.65S–.04 69.98W–.05 54–9 29 0-127
IDC II 11 17 56 37.3–10 23.08S 70.78W 53–56 3.7,3.5b **¶610415327**
SJA II 11 17 56 41.3–.89 22.67S 69.98W 60–3 3.9W,3.9L
GUC II 11 17 56 42.8–.80 22.64S 69.95W 56–3 3.9L,3.9L
ISC Event type ke.
IDC Error ellipse: s-maj=132.6km s-min=33.9km az=79.0.
SJA Error ellipse: s-maj=1.9km s-min=3.5km az=-1.0. Hypocentre not reviewed by the ISC.
GUC Error ellipse: s-maj=1.5km s-min=2.4km az=-1.0.
ISC II 12 01 47 34.7–.79 19.71S–.03 69.22W–.06 104–6 47 0-144
SJA II 12 01 47 33.4–.81 19.67S 69.15W 109–3 3.8L,3.7W **¶610415347**
GUC II 12 01 47 35.5–.79 19.69S 69.18W 105–2 3.7L,3.7W
IDC II 12 01 47 36.6–1.2 19.72S 68.92W 118–11 3.8,3.4b
ISC Event type ke.
SJA Error ellipse: s-maj=1.9km s-min=3.9km az=-1.0. Hypocentre not reviewed by the ISC.
GUC Error ellipse: s-maj=1.3km s-min=3.1km az=-1.0.
IDC Error ellipse: s-maj=30.4km s-min=9.1km az=97.0.
ISC II 13 01 01 06.4–1.9 20.90S–.03 69.06W–.09 130–13 38 0-5
SCB II 13 01 00 55.6–.95 21.10S 67.75W 175–13 3.5L,2.9W **¶612085230**
GUC II 13 01 01 09.9–.80 20.87S 69.10W 109–4 2.8L,2.9W
ISC Event type se.
SCB Event type se. Error ellipse: s-maj=5.6km s-min=3.4km az=0.0.

GUC Error ellipse: s-maj=1.4km s-min=4.2km az=-1.0.
ISC II 16 00 12 59.9–.58 22.33S–.05 68.65W–.06 96–5 3.6b 56 0-146
SJA II 16 00 12 59.1–.81 22.31S 68.71W 105–3 4.0W,4.0L **¶610415599**
VAO II 16 00 12 59.0–.89 21.85S 68.90W 84–7 4.1b,4.0L
IDC II 16 00 12 59.8–.64 22.52S 68.59W 94–6 3.8,3.4b
GUC II 16 00 13 01.0–.59 22.30S 68.75W 104–3 3.8L,3.4b
ISC Event type ke.
SJA Error ellipse: s-maj=2.4km s-min=4.0km az=-1.0. Hypocentre not reviewed by the ISC.
VAO Error ellipse: s-maj=5.3km s-min=10.1km az=-1.0.
IDC Error ellipse: s-maj=25.3km s-min=15.7km az=134.0.
GUC Error ellipse: s-maj=1.4km s-min=2.9km az=-1.0.
ISC II 18 18 58 20.1–.47 22.10S–.03 68.69W–.05 102–4 4.2b 160 1-170
SJA II 18 18 58 18.2–.66 22.12S 68.70W 114–3 4.2W,4.2L **¶610240031**
NEIC II 18 18 58 19.6–2.3 22.12S–.04 68.70W–.08 105–7 4.3L,4.2b
VAO II 18 18 58 20.8–.47 21.91S 68.52W 83–4 4.5b,4.2b
IDC II 18 18 58 20.6–.44 22.30S 68.72W 103–5 4.1,3.7b
GUC II 18 18 58 21.8–.67 22.11S 68.74W 94–3 4.3L,3.7b
ISC Event type se.
SJA Error ellipse: s-maj=1.8km s-min=3.6km az=-1.0. Hypocentre not reviewed by the ISC.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=6.2km az=89.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Error ellipse: s-maj=3.5km s-min=4.3km az=-1.0.
IDC Error ellipse: s-maj=18.9km s-min=14.7km az=94.0.
GUC Error ellipse: s-maj=1.4km s-min=3.2km az=-1.0.
ISC II 22 07 46 16.5–.98 24.87S–.04 69.14W–.09 126–11 34 1-25
VAO II 22 07 45 54.0–3.2 26.28S 69.93W 10 4.0b **¶612085854**
SJA II 22 07 46 16.6–1.2 24.85S 68.98W 90 3.8W,3.8L
GUC II 22 07 46 18.2–.54 24.80S 69.09W 108–5 3.9L,3.8L
ISC Event type ke.
VAO Error ellipse: s-maj=26.9km s-min=22.3km az=-1.0.
SJA Error ellipse: s-maj=2.9km s-min=5.6km az=-1.0. Hypocentre not reviewed by the ISC.
GUC Error ellipse: s-maj=2.6km s-min=3.5km az=-1.0.
ISC II 25 02 31 24.5–.25 19.47S–.03 69.09W–.04 112–2 5.2b 876 1-172
MOS II 25 02 31 21.6–1.1 19.31S 69.00W 92 5.2b **¶610240974**
SJA II 25 02 31 21.5–.86 19.49S 69.14W 134–7 5.5L,5.1W
VAO II 25 02 31 23.7–.43 19.34S 68.95W 103–4 5.2b,5.1W
NEIC II 25 02 31 24.5 19.29S 69.22W 110 5.2b,5.1W
BJI II 25 02 31 24.0–.00 19.50S 69.00W 100 5.4b,5.1W
NEIC II 25 02 31 24.5–1.7 19.49S–.05 69.09W–.07 108–3 5.3,5.2
NEIC II 25 02 31 24.5 19.49S 69.11W 108 5.3,5.2
NEIC II 25 02 31 24.5 19.48S 69.09W 108 5.3,5.2
IDC II 25 02 31 25.1–.46 19.41S 68.96W 115–3 4.9,4.5b
GUC II 25 02 31 25.1–.61 19.46S 69.15W 114–3 5.4L,4.5b
GCMT II 25 02 31 29.5–.20 19.41S–.02 69.27W–.02 131–2 5.2W,4.5b
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s170.72499°,δ23.23664°,λ-79.39425°. NP2: ϕ_s339.20703°,δ67.18295°,λ-94.51831°. Principal axes: T Plg22.0577°,Azm72.6528° ; N Plg4.1641°,Azm340.9623°; P Plg67.5117°,Azm240.8331°
ISC Hypocentre not reviewed by the ISC.
NEIC Event type se. Moment Tensor Solution.Duration: 1s0 Moment tensor: Scale 10^{16}Nm; M_{rr}-5.96 $M_{\theta\theta}$0.34 $M_{\phi\phi}$5.62 $M_{r\theta}$-1.41 $M_{\theta\phi}$-1.71 $M_{\phi r}$-3.00 NP1:ϕ_s1.03000°,δ58.69000° ,λ-70.93000°. NP2:ϕ_s147.40000°,δ36.15000°,λ-118.25000°. Principal axes: T 6.6456,Plg12.0000°,Azm77.0000°; N 0.4757,Plg16.0000°,Azm171.0000° ; P -7.1212,Plg70.0000°,Azm313.0000° $M_0$6.88000×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-6.31 $M_{\theta\theta}$-0.61 $M_{\phi\phi}$6.93 $M_{r\theta}$-0.89 $M_{\theta\phi}$-1.07 $M_{\phi r}$-3.32 NP1:ϕ_s160.13000°,δ33.47000°,λ-109.48000°. NP2:ϕ_s3.11000°,δ58.67000° ,λ-77.57000°. Principal axes: T 7.7996,Plg13.0000°,Azm84.0000°; N -0.5122,Plg11.0000° ,Azm177.0000°; P -7.2874,Plg73.0000°,Azm305.0000° $M_0$7.56000×10^{16}
NEIC Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s48,c59; s108,c184;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.68±.02 $M_{\theta\theta}$-0.03±.02; $M_{\phi\phi}$0.71±.02; $M_{r\theta}$-0.11±.01; $M_{\theta\phi}$-0.27±.02; $M_{\phi r}$-0.30±.02; Best double couple: NP1:ϕ_s358.00000°,δ57.00000°,λ-71.00000°. NP2:ϕ_s145.00000°,δ38.00000°,λ-117.00000°. Principal axes: T 0.8430,Plg10.0000° ,Azm74.0000°; N -0.0610,Plg16.0000°,Azm167.0000°; P -0.7830,Plg71.0000° ,Azm314.0000° $M_0$0.81300×10^{17}
ISC III 01 07 42 36.4–.72 22.95S–.04 69.03W–.06 101–6 60 0-41
SJA III 01 07 42 36.0–.73 22.92S 69.09W 103–3 3.9L,3.8W **¶611149121**
NEIC III 01 07 42 36.7–1.5 22.91S–.06 69.1W–.10 105–9 4.2b,4.0L
GUC III 01 07 42 37.6–.82 22.90S 69.09W 101–4 4.0L,4.0L
VAO III 01 07 42 39.5–.71 22.69S 68.59W 72–7 4.1b,4.0L
ISC Event type se.
SJA Error ellipse: s-maj=1.8km s-min=3.1km az=-1.0. Hypocentre not reviewed by the ISC.
NEIC Event type se. Error ellipse: s-maj=17.8km s-min=7.9km az=95.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=2.6km s-min=4.2km az=-1.0.
VAO Error ellipse: s-maj=12.1km s-min=8.4km az=-1.0.
ISC III 01 18 46 28.0–.98 24.57S–.04 69.65W–.09 95–10 27 1-148
IDC III 01 18 46 16.7–13 24.60S 69.33W 0 3.7,3.7b **¶610545340**
GUC III 01 18 46 26.8–.72 24.59S 69.64W 108–6 3.6L,3.7b
SJA III 01 18 46 27.4–.65 24.59S 69.51W 75 3.7W,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=1008.0km s-min=123.8km az=179.0.
GUC Error ellipse: s-maj=1.5km s-min=5.1km az=-1.0.
SJA Error ellipse: s-maj=4.8km s-min=4.2km az=-1.0. Hypocentre not reviewed by the ISC.
ISC III 06 00 16 07.2–.97 20.26S–.03 69.16W–.07 108–7 39 0-77
GUC III 06 00 16 07.3–.60 20.26S 69.10W 109–2 3.6L **¶610545618**
IDC III 06 00 16 08.6–1.2 20.29S 68.56W 100–17 3.5,3.2b
ISC Event type ke.
GUC Error ellipse: s-maj=1.2km s-min=2.8km az=-1.0.
IDC Error ellipse: s-maj=52.3km s-min=8.9km az=99.0.
ISC III 06 00 26 35.7–.61 18.12S–.04 69.99W–.06 103–5 3.9b 117 0-150
NEIC III 06 00 26 36.4–2.1 18.12S–.05 70.04W–.07 102–6 4.3L,4.1b **¶610245513**
GUC III 06 00 26 37.8–.76 18.18S 69.87W 96–3 4.3L,4.1b
IDC III 06 00 26 38.7–1.5 18.13S 69.77W 126–12 4.0,3.5b
VAO III 06 00 26 38.3–.50 17.96S 69.80W 101 4.2b,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=5.7km az=119.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=2.5km s-min=3.9km az=-1.0.
IDC Error ellipse: s-maj=23.0km s-min=11.0km az=101.0.
VAO Error ellipse: s-maj=3.3km s-min=5.7km az=-1.0.
ISC III 07 12 17 28.4–.63 23.47S–.04 68.28W–.06 135–7 4.1b 98 1-147
SJA III 07 12 17 27.1–.56 23.83S 68.22W 40 3.5W,3.1L **¶610545736**
IDC III 07 12 17 27.9–1.2 23.52S 68.07W 120–14 4.1,3.8b
NEIC III 07 12 17 28.1–2.4 23.49S–.06 68.3W–.10 134–6 4.2L,4.0b
GUC III 07 12 17 29.3–.74 23.41S 68.36W 134–5 4.3L,4.0b
VAO III 07 12 17 31.0–.75 23.20S 68.35W 132 4.0b,4.0b
ISC Event type se.
SJA Error ellipse: s-maj=77.7km s-min=162.7km az=-1.0. Hypocentre not reviewed by the ISC.
IDC Error ellipse: s-maj=27.2km s-min=20.9km az=85.0.
NEIC Event type se. Error ellipse: s-maj=14.2km s-min=7.8km az=100.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=3.7km s-min=5.6km az=-1.0.
VAO Error ellipse: s-maj=5.8km s-min=7.6km az=-1.0.
ISC III 08 04 35 44.5–1.2 21.13S–.04 69.07W–.09 114–9 30 0-91
SJA III 08 04 35 42.8–1.4 21.05S 68.95W 100 3.6W,3.6L **¶610545779**
GUC III 08 04 35 45.3–.54 21.14S 68.99W 108–3 3.6L,3.6L
IDC III 08 04 36 14.9–3.6 17.05S 68.64W 312–9 3.3,2.6b
ISC Event type ke.
SJA Error ellipse: s-maj=4.6km s-min=9.6km az=-1.0. Hypocentre not reviewed by the ISC.
GUC Error ellipse: s-maj=0.9km s-min=2.7km az=-1.0.
IDC Error ellipse: s-maj=116.6km s-min=55.7km az=18.0.
ISC III 09 12 32 55.3–.99 24.82S–.04 69.52W–.10 91–8 23 0-149
IDC III 09 12 32 41.5–14 26.05S 69.44W 0 4.6s,3.8 **¶610545878**
GUC III 09 12 32 55.2–.67 24.83S 69.51W 92–3 3.2L,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=799.3km s-min=115.8km az=7.0.
GUC Error ellipse: s-maj=1.6km s-min=3.6km az=-1.0.
ISC III 11 16 59 32.2–.84 23.24S–.05 69.15W–.06 78–9 37 0-147
VAO III 11 16 59 11.3–3.5 24.74S 69.73W 10 4.1b **¶610546024**
SJA III 11 16 59 31.4–.79 23.21S 69.28W 88–3 4.0L,3.8W
IDC III 11 16 59 32.1–1.9 23.36S 69.17W 66–11 4.0,3.6b
GUC III 11 16 59 32.9–.72 23.19S 69.26W 89–3 3.8L,3.6b
ISC Event type ke.
VAO Error ellipse: s-maj=25.6km s-min=22.1km az=-1.0.
SJA Error ellipse: s-maj=1.5km s-min=3.8km az=-1.0. Hypocentre not reviewed by the ISC.
IDC Error ellipse: s-maj=62.3km s-min=16.6km az=96.0.
GUC Error ellipse: s-maj=1.9km s-min=3.2km az=-1.0.
ISC III 12 01 18 01.4–.63 19.77S–.04 69.20W–.06 100–6 51 0-134
SJA III 12 01 18 01.2–.75 19.83S 69.27W 100–3 3.8W,3.8L **¶610546049**
GUC III 12 01 18 02.5–.65 19.80S 69.23W 99–3 3.5L,3.8L
IDC III 12 01 18 03.2–1.9 19.77S 69.00W 116–17 3.8,3.4b
VAO III 12 01 18 06.4–.73 19.75S 68.89W 108 4.0b,3.4b
ISC Event type ke.
SJA Error ellipse: s-maj=1.6km s-min=3.5km az=-1.0. Hypocentre not reviewed by the ISC.
GUC Error ellipse: s-maj=1.5km s-min=3.2km az=-1.0.
IDC Error ellipse: s-maj=29.7km s-min=18.8km az=105.0.
VAO Error ellipse: s-maj=4.6km s-min=7.8km az=-1.0.
ISC III 18 15 54 23.8–.62 22.93S–.04 68.36W–.05 109–6 4.3b 117 1-170
SJA III 18 15 54 24.9–1.5 22.95S 68.43W 100 4.3L,4.0W **¶610345908**
NEIC III 18 15 54 24.4–1.5 22.96S–.05 68.44W–.05 124–8 4.3L,4.2b
IDC III 18 15 54 24.2–.70 22.89S 68.27W 101–5 4.1,3.9b
GUC III 18 15 54 25.5–.71 22.86S 68.41W 113–5 4.3L,3.9b
VAO III 18 15 54 26.1–.56 22.47S 68.46W 98 4.4b,3.9b
ISC Event type se.
SJA Error ellipse: s-maj=3.9km s-min=4.2km az=-1.0. Hypocentre not reviewed by the ISC.
NEIC Event type se. Error ellipse: s-maj=8.7km s-min=6.1km az=218.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=19.3km s-min=15.2km az=32.0.
GUC Error ellipse: s-maj=3.5km s-min=5.3km az=-1.0.
VAO Error ellipse: s-maj=4.3km s-min=5.5km az=-1.0.
GUC III 19 08 55 57.8–.77 23.14S 69.02W 93–4 3.8L
SJA III 19 08 55 57.2–1.6 23.11S 69.02W 85 3.9L,3.8W **¶612087582**
GUC Error ellipse: s-maj=2.0km s-min=4.1km az=-1.0.
SJA Error ellipse: s-maj=3.7km s-min=5.5km az=-1.0. Hypocentre not reviewed by the ISC.
ISC III 19 10 03 27.3–.52 18.68S–.04 69.52W–.06 104–5 4.1b 112 0-151
SJA III 19 10 03 27.9–1.8 18.69S 69.72W 85 3.9W,3.9L **¶610546504**
NEIC III 19 10 03 27.4–2.6 18.63S–.06 69.63W–.07 104–7 4.2L,4.1b
IDC III 19 10 03 28.4–.71 18.73S 69.32W 111–5 4.2,3.9b
GUC III 19 10 03 28.2–.62 18.63S 69.58W 103–2 4.2L,3.9b
VAO III 19 10 03 29.6–.47 18.59S 69.52W 123 4.4b,3.9b
ISC Event type se.
SJA Error ellipse: s-maj=4.6km s-min=9.8km az=-1.0. Hypocentre not reviewed by the ISC.
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=5.6km az=49.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=17.4km s-min=8.7km az=100.0.
GUC Error ellipse: s-maj=2.6km s-min=3.6km az=-1.0.
VAO Error ellipse: s-maj=2.8km s-min=5.4km az=-1.0.
ISC III 19 17 57 01.5–.94 20.44S–.03 69.18W–.08 102–7 30 0-90
GUC III 19 17 57 01.6–.67 20.43S 69.06W 98–3 3.4L **¶610546528**
IDC III 19 17 57 02.3–1.7 20.50S 68.86W 112–17 3.6,3.3b
ISC Event type ke.
GUC Error ellipse: s-maj=1.3km s-min=3.2km az=-1.0.
IDC Error ellipse: s-maj=41.1km s-min=16.4km az=102.0.
ISC III 21 06 23 28.4–.98 19.81S–.04 69.30W–.09 118–7 30 0-127
IDC III 21 06 23 08.2–2.8 21.17S 69.43W 0 4.0L,3.8 **¶610543386**
GUC III 21 06 23 29.0–.73 19.76S 69.20W 114–3 3.3L,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=73.9km s-min=58.6km az=60.0.
GUC Error ellipse: s-maj=1.5km s-min=3.9km az=-1.0.
ISC III 23 08 33 02.4–.63 20.84S–.03 69.09W–.06 111–6 91 0-145
SJA III 23 08 33 01.1–.72 20.83S 69.07W 120–4 4.1L,3.9W **¶610434446**
NEIC III 23 08 33 03.1–.96 20.83S–.05 69.07W–.09 102–10 4.0L,4.0b
GUC III 23 08 33 03.3–.75 20.83S 69.02W 105–3 4.0L,4.0b
IDC III 23 08 33 03.8–1.6 20.83S 68.80W 107–16 3.7,3.4b
VAO III 23 08 33 04.2–.47 20.88S 69.28W 141 4.0b,3.4b
ISC Event type se.
SJA Error ellipse: s-maj=1.2km s-min=3.1km az=-1.0. Hypocentre not reviewed by the ISC.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=6.7km az=93.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=1.3km s-min=3.6km az=-1.0.
IDC Error ellipse: s-maj=32.8km s-min=14.7km az=108.0.
VAO Error ellipse: s-maj=3.8km s-min=5.5km az=-1.0.
ISC III 23 19 32 26.2–.56 23.55S–.04 69.02W–.06 98–5 4.1b 109 1-171
VAO III 23 19 32 07.5–1.6 24.05S 70.20W 10 4.6b **¶610434454**
SJA III 23 19 32 24.3–1.4 23.53S 68.81W 85 4.0L,3.9W
IDC III 23 19 32 26.9–.80 23.53S 69.05W 96–6 3.9,3.7b
NEIC III 23 19 32 26.8–1.7 23.49S–.05 69.29W–.07 127–12 3.9,3.7b
GUC III 23 19 32 27.6–.94 23.50S 69.12W 105–5 4.2L,3.7b
ISC Event type se.
VAO Error ellipse: s-maj=13.8km s-min=16.0km az=-1.0.
SJA Error ellipse: s-maj=4.9km s-min=11.7km az=-1.0. Hypocentre not reviewed by the ISC.
IDC Error ellipse: s-maj=27.5km s-min=13.6km az=90.0.
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=7.9km az=81.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=2.0km s-min=5.7km az=-1.0.
ISC III 24 22 19 32.5–.88 27.57S–.04 69.55W–.07 118–7 72 1-39
SJA III 24 22 19 32.6–1.2 27.58S 69.39W 90 3.7W,3.7L **¶610434845**
NEIC III 24 22 19 32.9–2.9 27.56S–.04 69.60W–.04 115–7 4.2b,3.8L
GUC III 24 22 19 33.8–.36 27.54S 69.57W 115–2 3.7L,3.8L
ISC Event type se.
SJA Error ellipse: s-maj=1.9km s-min=4.2km az=-1.0. Hypocentre not reviewed by the ISC.
NEIC Event type se. Error ellipse: s-maj=6.8km s-min=4.2km az=157.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=0.8km s-min=1.8km az=-1.0.
ISC III 25 06 59 22.0–.34 19.86S–.03 69.02W–.05 111–3 4.9b 312 0-169
SJA III 25 06 59 21.4–.98 19.86S 69.11W 121–3 5.0L,4.7W **¶610434906**
NEIC III 25 06 59 22.9 19.85S 69.00W 110 5.0L,4.7W
NEIC III 25 06 59 22.1–2.5 19.86S–.05 69.00W–.08 103–5 5.0,5.0b
NEIC III 25 06 59 22.9 19.85S 69.11W 110 5.0,5.0b
MOS III 25 06 59 22.9–1.2 19.83S 68.82W 123 4.7b,5.0b
GUC III 25 06 59 23.2–.83 19.85S 69.00W 109–3 5.0L,5.0b
VAO III 25 06 59 23.4–.37 19.70S 68.90W 113 4.9b,5.0b
IDC III 25 06 59 23.3–.46 19.78S 68.84W 117–3 4.7,4.3b
GCMT III 25 06 59 28.1–.30 19.68S–.02 69.01W–.03 120–3 4.9W,4.3b
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s149.90839°,δ10.93220°,λ-99.42275°. NP2: ϕ_s339.50208°,δ79.21709°,λ-88.18877°. Principal axes: T Plg34.1930°,Azm67.9538° ; N Plg1.7792°,Azm159.1631°; P Plg55.7476°,Azm251.7778°
ISC Hypocentre not reviewed by the ISC.
NEIC Event type se. Moment Tensor Solution.Duration: 1s4 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.05 $M_{\theta\theta}$0.31 $M_{\phi\phi}$0.74 $M_{r\theta}$0.78 $M_{\theta\phi}$-0.57 $M_{\phi r}$-1.73 NP1:ϕ_s334.34000°,δ75.26000° ,λ-85.01000°. NP2:ϕ_s135.39000°,δ15.54000°,λ-108.30000°. Principal axes: T 2.2177,Plg30.0000°,Azm60.0000°; N -0.0565,Plg5.0000°,Azm153.0000° ; P -2.1612,Plg59.0000°,Azm251.0000° $M_0$2.19000×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s21,c24; s95,c120;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.12±.10 $M_{\theta\theta}$0.54±.11; $M_{\phi\phi}$1.58±.14; $M_{r\theta}$0.53±.07; $M_{\theta\phi}$-1.49±.10; $M_{\phi r}$-1.63±.10; Best double couple: NP1:ϕ_s336.00000°,δ63.00000°,λ-77.00000°.

NP2:ϕ_s130.00000°,δ29.00000°,λ-113.00000°. Principal axes: T 3.1530,Plg17.0000° ,Azm57.0000°; N -0.4140,Plg11.0000°,Azm151.0000°; P -2.7360,Plg69.0000° ,Azm272.0000° $M_0$2.94500×10^{16}
ISC III 25 11 24 22.4–.49 19.08S–.03 69.35W–.05 123–4 4.2b 115 0-151
NEIC III 25 11 24 23.0–2.1 19.08S–.05 69.48W–.06 122–6 4.5L,4.3b **¶610435122**
VAO III 25 11 24 22.5–.78 18.90S 69.30W 125–7 4.6b,4.3b
SJA III 25 11 24 23.4–2.4 19.14S 69.32W 100 4.3L,4.1W
IDC III 25 11 24 23.5–.59 19.09S 69.14W 128–5 4.2,3.8b
GUC III 25 11 24 23.6–.74 19.06S 69.43W 124–3 4.5L,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=5.0km az=52.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Error ellipse: s-maj=3.7km s-min=8.3km az=-1.0.
SJA Error ellipse: s-maj=4.9km s-min=11.3km az=-1.0. Hypocentre not reviewed by the ISC.
IDC Error ellipse: s-maj=14.8km s-min=7.8km az=97.0.
GUC Error ellipse: s-maj=2.0km s-min=4.0km az=-1.0.
ISC III 27 03 18 54.0–.57 20.59S–.03 69.00W–.05 118–6 4.4b 141 0-170
SJA III 27 03 18 52.9–1.9 20.60S 68.86W 100 4.1L,3.9W **¶610435261**
VAO III 27 03 18 54.9–.37 20.61S 69.12W 122 4.1b,3.9W
NEIC III 27 03 18 54.2–1.8 20.62S–.02 69.09W–.06 120–5 4.3b,4.1L
IDC III 27 03 18 55.8–1.5 20.71S 68.70W 119–14 3.9,3.5b
GUC III 27 03 18 55.7–.67 20.62S 69.02W 113–3 4.1L,3.5b
ISC Event type se.
SJA Error ellipse: s-maj=4.2km s-min=11.8km az=-1.0. Hypocentre not reviewed by the ISC.
VAO Error ellipse: s-maj=2.9km s-min=4.4km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=8.7km s-min=2.9km az=89.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=30.2km s-min=14.4km az=109.0.
GUC Error ellipse: s-maj=1.3km s-min=3.7km az=-1.0.
ISC III 29 05 17 49.8–.81 22.90S–.04 68.93W–.06 92–8 34 0-78
IDC III 29 05 17 49.8–1.5 22.85S 69.01W 86–9 3.8 **¶610543900**
GUC III 29 05 17 50.3–.93 22.90S 69.04W 90–4 3.8L
ISC Event type ke.
IDC Error ellipse: s-maj=43.9km s-min=23.6km az=108.0.
GUC Error ellipse: s-maj=1.7km s-min=4.2km az=-1.0.
GUC III 30 00 24 44.8–.75 21.36S 69.01W 102–4 3.3L
¶612088324
GUC Error ellipse: s-maj=1.5km s-min=3.7km az=-1.0.
ISC III 30 19 35 44.7–.55 20.42S–.03 69.16W–.05 110–5 4.3b 151 0-152
SJA III 30 19 35 43.1–.80 20.43S 69.19W 122–4 4.3L,4.2W **¶610460758**
VAO III 30 19 35 44.9–.53 20.35S 69.22W 110 4.5b,4.2W
IDC III 30 19 35 46.0–.95 20.44S 68.89W 116–9 4.3,4.1b
NEIC III 30 19 35 45.0–1.2 20.42S–.03 69.16W–.08 110–4 4.4L,4.4b
GUC III 30 19 35 45.5–.85 20.41S 69.13W 109–3 4.4L,4.4b
ISC Event type se.
SJA Error ellipse: s-maj=1.5km s-min=4.1km az=-1.0. Hypocentre not reviewed by the ISC.
VAO Error ellipse: s-maj=3.2km s-min=5.9km az=-1.0.
IDC Error ellipse: s-maj=22.0km s-min=8.6km az=98.0.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=4.4km az=99.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=1.4km s-min=4.2km az=-1.0.
ISC III 31 12 49 06.5–1.4 23.53S–.06 68.3W–.10 142–12 30 1-147
IDC III 31 12 49 48.9–5.0 24.58S 68.07W 0 3.7b,3.5 **¶610544053**
SJA III 31 12 49 07.1–1.9 23.56S 68.20W 100 3.6L,3.4W
GUC III 31 12 49 08.1–.53 23.45S 68.40W 149–6 3.7L,3.4W
ISC Event type ke.
IDC Error ellipse: s-maj=157.0km s-min=59.2km az=68.0.
SJA Error ellipse: s-maj=4.4km s-min=5.8km az=-1.0. Hypocentre not reviewed by the ISC.
GUC Error ellipse: s-maj=2.7km s-min=5.2km az=-1.0.
ISC IV 03 11 34 13.4–1.4 20.53S–.03 69.11W–.06 85–9 56 0-3
SJA IV 03 11 34 10.2–.77 20.53S 69.05W 100–3 3.5W,3.5L **¶616344597**
GUC IV 03 11 34 12.0–.79 20.54S 69.01W 94–4 3.3L,3.5L
ISC Event type ke.
SJA Error ellipse: s-maj=1.6km s-min=4.0km az=-1.0.
GUC Error ellipse: s-maj=1.6km s-min=3.8km az=-1.0.
ISC IV 03 20 25 36.1–1.4 20.46S–.03 69.19W–.05 108–8 61 0-5
SJA IV 03 20 25 34.1–.79 20.44S 69.16W 116–3 4.0W,3.7L **¶616344603**
GUC IV 03 20 25 35.8–.54 20.46S 69.06W 107–2 3.6L,3.7L
ISC Event type ke.
SJA Error ellipse: s-maj=1.6km s-min=3.3km az=-1.0.
GUC Error ellipse: s-maj=1.1km s-min=2.8km az=-1.0.
ISC IV 04 15 23 13.7–1.5 23.11S–.04 68.47W–.05 123–10 55 1-4
SJA IV 04 15 23 11.4–1.8 23.10S 68.21W 100 3.5W,3.3L **¶616344616**
GUC IV 04 15 23 13.7–.89 23.13S 68.44W 123–5 3.3L,3.3L
ISC Event type ke.
SJA Error ellipse: s-maj=6.8km s-min=9.4km az=-1.0.
GUC Error ellipse: s-maj=2.3km s-min=4.8km az=-1.0.
ISC IV 05 14 48 37.3–.63 20.44S–.02 69.20W–.05 103–5 3.9b 118 0-90
SJA IV 05 14 48 35.7–.73 20.44S 69.18W 111–3 4.0L,3.8W **¶610505889**
GUC IV 05 14 48 37.8–.70 20.41S 69.13W 100–4 3.9L,3.8W
NEIC IV 05 14 48 38.1–1.5 20.47S–.04 69.19W–.08 98–5 4.1b,3.9L
IDC IV 05 14 48 39.6–1.5 20.53S 68.53W 106–16 3.9,3.5b
VAO IV 05 14 48 39.4–.49 20.46S 69.14W 124 4.2b,3.5b
ISC Event type se.
SJA Error ellipse: s-maj=1.4km s-min=3.6km az=-1.0.
GUC Error ellipse: s-maj=1.6km s-min=3.5km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=5.5km az=102.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=42.2km s-min=14.2km az=106.0.
VAO Error ellipse: s-maj=3.8km s-min=6.4km az=-1.0.
ISC IV 06 07 55 45.1–.75 18.16S–.04 69.77W–.08 123–6 4.0b 65 0-127
GUC IV 06 07 55 46.1–.82 18.11S 69.83W 113–4 3.6L **¶610652057**
IDC IV 06 07 55 46.9–2.4 18.24S 69.57W 134–16 4.0,3.6b
VAO IV 06 07 55 46.2–.69 18.06S 69.94W 146 3.8b,3.6b
ISC Event type ke.
GUC Error ellipse: s-maj=3.1km s-min=4.3km az=-1.0.
IDC Error ellipse: s-maj=37.4km s-min=26.0km az=105.0.
VAO Error ellipse: s-maj=3.1km s-min=7.9km az=-1.0.
ISC IV 07 12 10 11.5–1.3 22.67S–.03 68.88W–.05 104–7 60 0-4
SJA IV 07 12 10 09.4–.63 22.64S 68.81W 113–3 3.8W,3.7L **¶616344666**
GUC IV 07 12 10 11.6–.71 22.62S 68.81W 102–3 3.6L,3.7L
ISC Event type ke.
SJA Error ellipse: s-maj=1.5km s-min=3.5km az=-1.0.
GUC Error ellipse: s-maj=2.0km s-min=3.6km az=-1.0.
ISC IV 09 03 05 29.1–.34 25.75S–.02 69.45W–.04 105–3 4.8b 416 1-176
VAO IV 09 03 05 28.3–.82 25.55S 69.21W 73–5 5.1b **¶610523788**
NEIC IV 09 03 05 29.8–2.3 25.75S–.05 69.33W–.09 107–3 4.8,4.8b
GUC IV 09 03 05 29.4–.73 25.78S 69.56W 110–5 5.1L,4.8b
SJA IV 09 03 05 29.1–1.4 25.70S 69.37W 80 5.0L,4.7W
NEIC IV 09 03 05 29.6 25.76S 69.25W 106 5.0L,4.7W
IDC IV 09 03 05 30.3–.36 25.72S 69.20W 106–3 4.6,4.2b
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s140.38640°,δ48.69302°,λ-10.25081°. NP2: ϕ_s237.19382°,δ82.31777°,λ-138.23543°. Principal axes: T Plg21.8533°,Azm1.8226° ; N Plg47.6628°,Azm245.7076°; P Plg34.1445°,Azm107.6051° Moment Tensor Solution. NP1:ϕ_s333.92792°,δ82.24790°,λ-16.85687°. NP2:ϕ_s66.26836°,δ73.30172°,λ-171.90437°. Principal axes: T Plg6.1882°,Azm21.0303°; N Plg71.4932°,Azm129.9307°; P Plg17.3708° ,Azm289.0866°
VAO Error ellipse: s-maj=4.1km s-min=6.0km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=12.3km s-min=6.8km az=87.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-0.02 $M_{\theta\theta}$0.91 $M_{\phi\phi}$-0.89 $M_{r\theta}$0.50 $M_{\theta\phi}$-1.05 $M_{\phi r}$-0.03 NP1:ϕ_s160.85000°,δ72.35000°,λ6.58000°. NP2:ϕ_s68.85000°,δ83.73000° ,λ162.24000°. Principal axes: T 1.5332,Plg17.0000°,Azm24.0000°; N -0.1378,Plg71.0000° ,Azm230.0000°; P -1.3954,Plg8.0000°,Azm116.0000° $M_0$1.47000×10^{16}
GUC Error ellipse: s-maj=1.7km s-min=4.2km az=-1.0.
SJA Error ellipse: s-maj=3.1km s-min=4.9km az=-1.0.
NEIC Event type se.
IDC Error ellipse: s-maj=14.7km s-min=7.3km az=86.0.
GUC IV 10 21 03 31.5–.80 22.18S 68.62W 123–4 3.5L
¶616344710
GUC Error ellipse: s-maj=1.9km s-min=4.2km az=-1.0.
ISC IV 14 09 55 53.7–.46 19.83S–.03 69.20W–.04 102–4 4.3b 222 0-152
SJA IV 14 09 55 53.5–.78 19.85S 69.25W 107–3 4.5L,4.1W **¶610652716**
NEIC IV 14 09 55 53.9–2.8 19.86S–.03 69.21W–.07 103–6 4.4b,4.4L
IDC IV 14 09 55 54.8–.78 19.71S 68.97W 106–7 4.1,3.7b
GUC IV 14 09 55 55.5–.79 19.80S 69.21W 99–3 4.4L,3.7b
VAO IV 14 09 55 56.7–.50 19.75S 68.88W 107–4 4.4b,3.7b
ISC Event type se.
SJA Error ellipse: s-maj=1.6km s-min=3.7km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=3.9km az=99.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=19.0km s-min=13.6km az=82.0.
GUC Error ellipse: s-maj=1.4km s-min=3.7km az=-1.0.
VAO Error ellipse: s-maj=2.9km s-min=4.7km az=-1.0.
ISC IV 14 13 21 30.6–.89 19.78S–.03 69.15W–.06 99–6 65 0-134
GUC IV 14 13 21 31.6–.76 19.80S 69.21W 100–2 3.5L **¶610652731**
SJA IV 14 13 21 31.0–1.2 19.82S 69.34W 100–4 3.6W,3.5L
IDC IV 14 13 21 32.6–2.0 19.78S 69.02W 115–20 3.8,3.5b
ISC Event type ke.
GUC Error ellipse: s-maj=1.3km s-min=3.5km az=-1.0.
SJA Error ellipse: s-maj=2.6km s-min=7.0km az=-1.0.
IDC Error ellipse: s-maj=32.6km s-min=22.3km az=100.0.
ISC IV 14 18 03 24.4–.24 22.52S–.03 68.66W–.04 108–1 5.2b 898 0-170
NEIC IV 14 18 03 23.8–1.8 22.51S–.04 68.66W–.07 106–4 5.3b,5.3 **¶610528136**
VAO IV 14 18 03 23.7–.26 22.43S 68.68W 108 5.7b,5.3
SJA IV 14 18 03 24.3–1.2 22.50S 68.86W 121–8 5.0W,5.0L
GUC IV 14 18 03 24.9–.67 22.49S 68.82W 122–4 5.2L,5.0L
MOS IV 14 18 03 24.2–1.4 22.66S 68.62W 107 5.2b,5.0L
NEIC IV 14 18 03 25 22.50S 68.79W 118 5.2b,5.0L
NEIC IV 14 18 03 25 22.50S 68.79W 118 5.2b,5.0L
NEIC IV 14 18 03 25 22.50S 68.79W 120 5.2b,5.0L
IDC IV 14 18 03 25.5–.39 22.49S 68.58W 107–3 5.0,4.6b
BJI IV 14 18 03 26.5–.00 22.60S 68.80W 110 5.2b,4.6b
GCMT IV 14 18 03 29.7–.20 22.54S–.01 68.84W–.01 134–1 5.3W,4.6b
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s331.23187°,δ86.98927°,λ-117.53945°. NP2: ϕ_s235.48007°,δ27.69073°,λ-6.48977°. Principal axes: T Plg36.0848°,Azm85.0949° ; N Plg27.4982°,Azm332.8007°; P Plg41.5490°,Azm215.3285°
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-1.60 $M_{\theta\theta}$-3.05 $M_{\phi\phi}$4.65 $M_{r\theta}$3.30 $M_{\theta\phi}$-0.26 $M_{\phi r}$-6.59 NP1:ϕ_s329.91000°,δ82.10000°,λ-112.08000°. NP2:ϕ_s221.20000° ,δ23.38000°,λ-20.26000°. Principal axes: T 9.1587,Plg33.0000°,Azm78.0000° ; N -1.6976,Plg22.0000°,Azm333.0000°; P -7.4611,Plg48.0000°,Azm216.0000° $M_0$8.44000×10^{16}
NEIC Event type se.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2s3 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.39 $M_{\theta\theta}$-0.32 $M_{\phi\phi}$0.71 $M_{r\theta}$0.43 $M_{\theta\phi}$0.07 $M_{\phi r}$-0.75 NP1:ϕ_s333.77000°,δ77.32000° ,λ-115.11000°. NP2:ϕ_s218.67000°,δ27.94000°,λ-27.93000°. Principal axes: T 1.1038,Plg28.0000°,Azm84.0000°; N -0.0816,Plg24.0000°,Azm340.0000° ; P -1.0221,Plg51.0000°,Azm215.0000° $M_0$1.06000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s91,c135; s129,c222;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.43±.02 $M_{\theta\theta}$-0.06±.02; $M_{\phi\phi}$0.49±.03; $M_{r\theta}$0.45±.01; $M_{\theta\phi}$0.06±.02; $M_{\phi r}$-0.92±.02; Best double couple: NP1:ϕ_s338.00000°,δ79.00000°,λ-102.00000°. NP2:ϕ_s207.00000°,δ16.00000°,λ-42.00000°. Principal axes: T 1.0910,Plg33.0000° ,Azm75.0000°; N 0.0710,Plg12.0000°,Azm340.0000°; P -1.1620,Plg54.0000°,Azm233.0000° $M_0$1.12700×10^{17}
ISC IV 15 06 40 29.6–.56 22.26S–.03 68.53W–.05 121–5 4.3b 166 0-170
SJA IV 15 06 40 27.5–1.7 22.34S 68.32W 100 4.0L,3.9W **¶610528322**
IDC IV 15 06 40 29.4–.68 22.46S 68.11W 95–11 4.1,3.9b
NEIC IV 15 06 40 30.7–1.5 22.27S–.05 68.7W–.10 128–7 4.3b,4.1L
GUC IV 15 06 40 30.5–.86 22.26S 68.56W 122–4 4.1L,4.1L
VAO IV 15 06 40 30.4–.51 22.08S 68.38W 103–5 4.3b,4.1L
ISC Event type se.
SJA Error ellipse: s-maj=3.7km s-min=9.9km az=-1.0.
IDC Error ellipse: s-maj=26.0km s-min=14.0km az=121.0.
NEIC Event type se. Error ellipse: s-maj=15.5km s-min=7.3km az=94.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=2.3km s-min=4.6km az=-1.0.
VAO Error ellipse: s-maj=4.8km s-min=5.0km az=-1.0.
ISC IV 15 06 45 31.6–.62 22.60S–.03 68.63W–.06 111–6 111 0-77
SJA IV 15 06 45 30.3–.67 22.67S 68.64W 112–3 3.7W,3.7L **¶610652778**
IDC IV 15 06 45 31.1–1.1 22.66S 68.15W 68–23 3.8,3.6b
VAO IV 15 06 45 32.5–.47 22.29S 68.51W 87–4 4.0b,3.6b
GUC IV 15 06 45 32.4–.88 22.63S 68.58W 101–4 3.6L,3.6b
ISC Event type ke.
SJA Error ellipse: s-maj=1.5km s-min=3.8km az=-1.0.
IDC Error ellipse: s-maj=36.5km s-min=18.7km az=127.0.
VAO Error ellipse: s-maj=4.2km s-min=4.6km az=-1.0.
GUC Error ellipse: s-maj=2.2km s-min=4.7km az=-1.0.
ISC IV 15 23 42 32.6–.81 21.96S–.03 69.84W–.04 72–5 4.0b 94 0-147
SJA IV 15 23 42 31.2–1.2 21.95S 69.80W 76–4 3.7W,3.7L **¶610528521**
NEIC IV 15 23 42 32.7–1.0 21.95S–.03 69.9W–.10 71–6 4.2b,3.7L
GUC IV 15 23 42 33.5–.58 21.96S 69.77W 68–2 3.7L,3.7L
IDC IV 15 23 42 33.7–2.5 21.99S 69.71W 85–16 3.7,3.4b
ISC Event type se.
SJA Error ellipse: s-maj=2.4km s-min=5.3km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=14.8km s-min=4.2km az=85.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=0.9km s-min=1.9km az=-1.0.
IDC Error ellipse: s-maj=47.8km s-min=25.6km az=76.0.
ISC IV 16 10 50 14.5–.92 20.36S–.03 69.30W–.06 113–6 73 0-90
SJA IV 16 10 50 12.9–.66 20.34S 69.28W 119–3 3.8L,3.7W **¶610652864**
GUC IV 16 10 50 14.4–.81 20.35S 69.24W 115–3 3.6L,3.7W
IDC IV 16 10 50 14.9–1.5 20.35S 69.11W 110–13 3.7,3.3b
ISC Event type ke.
SJA Error ellipse: s-maj=1.6km s-min=3.4km az=-1.0.
GUC Error ellipse: s-maj=1.4km s-min=3.8km az=-1.0.
IDC Error ellipse: s-maj=43.6km s-min=9.7km az=96.0.
ISC IV 16 11 36 08.7–.64 23.25S–.03 69.59W–.04 71–5 3.9b 108 0-147
SJA IV 16 11 36 07.4–2.0 23.22S 69.56W 82–10 4.2L,4.1W **¶610652866**
GUC IV 16 11 36 08.5–.63 23.26S 69.55W 72–2 4.2L,4.1W
NEIC IV 16 11 36 08.8–1.7 23.27S–.05 69.64W–.06 70–7 4.2L,4.0b
IDC IV 16 11 36 09.2–1.3 23.29S 69.43W 78–9 3.7,3.3b
ISC Event type se.
SJA Error ellipse: s-maj=3.9km s-min=8.0km az=-1.0.
GUC Error ellipse: s-maj=1.2km s-min=2.3km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=8.7km s-min=7.6km az=103.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=26.8km s-min=18.8km az=103.0.
ISC IV 16 20 37 11.8–1.5 27.47S–.04 69.02W–.08 133–16 43 1-5
SJA IV 16 20 37 11.2–1.2 27.46S 68.98W 131–12 3.5W,3.2L **¶616344812**
GUC IV 16 20 37 12.1–.73 27.44S 69.05W 120–11 3.3L,3.2L
ISC Event type ke.
SJA Error ellipse: s-maj=2.8km s-min=7.5km az=-1.0.
GUC Error ellipse: s-maj=3.0km s-min=9.6km az=-1.0.
GUC IV 17 01 10 57.1–.79 19.86S 69.47W 110–3 3.5L
SJA IV 17 01 10 55.3–.76 19.88S 69.56W 112–3 3.5L,3.4W **¶616344818**
GUC Error ellipse: s-maj=1.4km s-min=3.5km az=-1.0.
SJA Error ellipse: s-maj=1.6km s-min=4.4km az=-1.0.
ISC IV 17 21 14 28.8–.39 22.38S–.02 69.87W–.03 61–3 4.8b 322 0-171
VAO IV 17 21 14 28.7–.28 22.34S 69.92W 65 4.7b **¶610529585**

SJA IV 17 21 14 29.0–1.1 22.38S 69.91W 55 4.7L,4.6W
GUC IV 17 21 14 29.8–.90 22.38S 69.79W 62–3 4.8L,4.6W
NEIC IV 17 21 14 29.4 22.39S 69.89W 64 4.8L,4.6W
NEIC IV 17 21 14 29.4–1.7 22.38S–.02 69.90W–.04 64–3 4.9b,4.7
IDC IV 17 21 14 31.6–1.0 22.32S 69.67W 75–8 4.4,4.1b
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s7.95209°,δ43.82522°,λ-115.06729°. NP2: ϕ_s220.90848°,δ51.15332°,λ-67.87064°. Principal axes: T Plg3.8200°,Azm295.4250° ; N Plg17.0606°,Azm26.5992°; P Plg72.4912°,Azm193.2058°
VAO Error ellipse: s-maj=2.7km s-min=3.1km az=-1.0.
SJA Error ellipse: s-maj=2.6km s-min=4.5km az=-1.0.
GUC Error ellipse: s-maj=1.3km s-min=2.7km az=-1.0.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=5.4km s-min=2.9km az=71.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-7.31 $M_{\theta\theta}$0.06 $M_{\phi\phi}$7.25 $M_{r\theta}$1.75 $M_{\theta\phi}$2.94 $M_{\phi r}$-2.24 NP1:ϕ_s217.22000°,δ42.31000°,λ-62.68000°. NP2:ϕ_s2.27000°,δ53.27000° ,λ-112.68000°. Principal axes: T 8.4510,Plg6.0000°,Azm108.0000°; N -0.2024,Plg18.0000° ,Azm16.0000°; P -8.2485,Plg71.0000°,Azm215.0000° $M_0$8.35000×10^{15}
IDC Error ellipse: s-maj=19.2km s-min=14.5km az=68.0.
ISC IV 18 07 11 55.4–.47 19.17S–.02 69.96W–.05 65–4 4.5b 212 0-169
SJA IV 18 07 11 53.7–.76 19.17S 70.01W 77–4 4.6L,4.4W **¶610529604**
NEIC IV 18 07 11 55.9–1.9 19.19S–.04 70.01W–.06 65–6 4.6b,4.5L
VAO IV 18 07 11 55.4–.27 19.12S 69.94W 67 4.6b,4.5L
IDC IV 18 07 11 57.0–.69 19.16S 69.82W 80–6 4.3,3.9b
GUC IV 18 07 11 56.5–.68 19.19S 69.98W 63–4 4.5L,3.9b
ISC Event type se.
SJA Error ellipse: s-maj=2.2km s-min=3.6km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=8.2km s-min=5.6km az=72.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Error ellipse: s-maj=2.2km s-min=3.2km az=-1.0.
IDC Error ellipse: s-maj=17.9km s-min=11.1km az=71.0.
GUC Error ellipse: s-maj=1.2km s-min=2.4km az=-1.0.
ISC IV 19 03 39 53.6–.50 22.39S–.03 68.74W–.05 115–4 4.2b 174 0-146
SJA IV 19 03 39 51.1–1.3 22.40S 68.60W 100 4.2L,4.0W **¶610532780**
NEIC IV 19 03 39 53.4–1.3 22.33S–.04 68.80W–.08 116–5 4.3b,4.2L
IDC IV 19 03 39 53.5–.50 22.55S 68.66W 108–5 3.9,3.6b
NEIC IV 19 03 39 53.4 22.32S 68.86W 118 3.9,3.6b
GUC IV 19 03 39 54.5–.71 22.33S 68.82W 117–3 4.2L,3.6b
VAO IV 19 03 39 54.4–.49 22.36S 68.74W 114 4.6b,3.6b
ISC Event type se.
SJA Error ellipse: s-maj=3.2km s-min=5.6km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=5.3km az=86.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}0.06 $M_{\theta\theta}$-0.24 $M_{\phi\phi}$0.18 $M_{r\theta}$0.21 $M_{\theta\phi}$0.49 $M_{\phi r}$-1.26 NP1:ϕ_s168.85000°,δ89.04000°,λ112.64000°. NP2:ϕ_s261.14000°,δ22.66000° ,λ2.48000°. Principal axes: T 1.4071,Plg42.0000°,Azm100.0000°; N -0.0529,Plg23.0000° ,Azm348.0000°; P -1.3542,Plg40.0000°,Azm238.0000° $M_0$1.38000×10^{15}
IDC Error ellipse: s-maj=17.4km s-min=15.7km az=98.0.
NEIC Event type se.
GUC Error ellipse: s-maj=1.5km s-min=3.6km az=-1.0.
VAO Error ellipse: s-maj=3.9km s-min=5.2km az=-1.0.
ISC IV 19 20 00 36.8–1.3 20.02S–.02 69.95W–.05 37–1 45 0-3
SJA IV 19 20 00 28.0–.64 20.01S 69.99W 54–5 3.8W,3.8L **¶616344872**
GUC IV 19 20 00 36.2–.60 20.02S 69.91W 50–2 3.6L,3.8L
ISC Event type ke.
SJA Error ellipse: s-maj=1.7km s-min=3.9km az=-1.0.
GUC Error ellipse: s-maj=0.8km s-min=1.7km az=-1.0.
ISC IV 20 14 41 05.1–1.4 19.93S–.03 69.25W–.06 105–7 65 0-5
SJA IV 20 14 41 03.8–.84 19.92S 69.22W 106–3 3.6L,3.5W **¶616344885**
GUC IV 20 14 41 05.6–.72 19.90S 69.17W 100–2 3.6L,3.5W
ISC Event type ke.
SJA Error ellipse: s-maj=1.7km s-min=4.2km az=-1.0.
GUC Error ellipse: s-maj=1.6km s-min=3.6km az=-1.0.
ISC IV 21 11 04 09.0–.82 24.26S–.03 69.26W–.06 89–8 65 1-148
IDC IV 21 11 04 09.9–1.4 24.33S 68.86W 82–13 4.1s,3.9 **¶610653190**
SJA IV 21 11 04 09.4–.57 24.23S 69.32W 88–6 4.1L,3.9W
GUC IV 21 11 04 10.5–.50 24.23S 69.34W 86–2 3.9L,3.9W
ISC Event type ke.
IDC Error ellipse: s-maj=32.9km s-min=12.7km az=88.0.
SJA Error ellipse: s-maj=1.3km s-min=2.9km az=-1.0.
GUC Error ellipse: s-maj=1.2km s-min=2.2km az=-1.0.
ISC IV 21 23 32 19.9–.60 24.65S–.03 69.96W–.05 71–4 3.7b 79 0-149
SJA IV 21 23 32 18.2–.71 24.69S 69.96W 82–3 3.9L,3.7W **¶610653227**
IDC IV 21 23 32 21.0–.77 24.76S 69.73W 73–5 3.9,3.7s
GUC IV 21 23 32 20.2–.75 24.67S 69.91W 68–4 3.8L,3.7s
ISC Event type ke.
SJA Error ellipse: s-maj=1.5km s-min=3.6km az=-1.0.
IDC Error ellipse: s-maj=25.2km s-min=9.4km az=101.0.
GUC Error ellipse: s-maj=1.5km s-min=2.9km az=-1.0.
ISC IV 22 07 12 49.4–.49 22.09S–.03 68.56W–.05 118–4 4.3b 165 1-170
SJA IV 22 07 12 48.0–1.6 22.07S 68.46W 100 4.1W,4.0L **¶610547220**
IDC IV 22 07 12 49.5–.48 22.10S 68.45W 114–5 4.1,3.7b
VAO IV 22 07 12 50.7–.90 21.92S 68.12W 18 4.6b,3.7b
NEIC IV 22 07 12 50.0–2.0 22.10S–.03 68.72W–.08 120–6 4.4b,4.0L
GUC IV 22 07 12 51.0–.60 22.08S 68.64W 115–3 4.0L,4.0L
ISC Event type se.
SJA Error ellipse: s-maj=3.5km s-min=8.0km az=-1.0.
IDC Error ellipse: s-maj=17.6km s-min=13.9km az=100.0.
VAO Error ellipse: s-maj=3.9km s-min=8.2km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=3.5km az=71.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=1.1km s-min=3.1km az=-1.0.
ISC IV 25 01 24 23.2–.93 19.71S–.03 69.28W–.07 104–7 36 0-89
IDC IV 25 01 24 24.9–1.7 19.77S 68.94W 118–18 3.7s,3.4 **¶610649947**
GUC IV 25 01 24 24.6–.82 19.70S 69.29W 99–3 3.5L,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=40.4km s-min=15.1km az=101.0.
GUC Error ellipse: s-maj=1.5km s-min=3.8km az=-1.0.
ISC IV 26 08 09 52.5–.43 20.44S–.02 69.14W–.04 98–4 4.4b 239 0-166
SJA IV 26 08 09 51.0–.74 20.43S 69.10W 111–3 4.6L,4.3W **¶610650039**
NEIC IV 26 08 09 53.0–2.5 20.46S–.04 69.09W–.07 98–5 4.6b,4.5L
GUC IV 26 08 09 53.5–.89 20.44S 69.13W 99–3 4.5L,4.5L
IDC IV 26 08 09 53.3–.55 20.41S 68.96W 101–5 4.4,4.0b
NEIC IV 26 08 09 53.2 20.47S 69.12W 103 4.4,4.0b
VAO IV 26 08 09 53.8–.23 20.31S 69.00W 103 4.6b,4.0b
ISC Event type se.
SJA Error ellipse: s-maj=1.6km s-min=3.6km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=5.5km az=104.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-3.33 $M_{\theta\theta}$-0.37 $M_{\phi\phi}$3.71 $M_{r\theta}$0.65 $M_{\theta\phi}$0.03 $M_{\phi r}$-1.62 NP1:ϕ_s191.67000°,δ33.71000°,λ-71.70000°. NP2:ϕ_s349.99000°,δ58.20000° ,λ-101.83000°. Principal axes: T 4.0616,Plg12.0000°,Azm89.0000°; N -0.2564,Plg10.0000° ,Azm356.0000°; P -3.8053,Plg74.0000°,Azm228.0000° $M_0$3.94000×10^{15}
GUC Error ellipse: s-maj=1.4km s-min=3.9km az=-1.0.
IDC Error ellipse: s-maj=16.7km s-min=8.7km az=90.0.
NEIC Event type se.
VAO Error ellipse: s-maj=2.2km s-min=2.8km az=-1.0.
ISC IV 26 18 12 31.8–.26 19.71S–.03 69.27W–.04 107–2 5.2b 1298 0-169
MOS IV 26 18 12 30.4–1.3 19.50S 69.09W 98 5.3b **¶611833653**
NEIC IV 26 18 12 32.4–2.1 19.70S–.04 69.35W–.06 105–3 5.4,5.4
VAO IV 26 18 12 32.3–.23 19.62S 69.13W 109 5.5b,5.4
NEIC IV 26 18 12 32 19.71S 69.40W 110 5.5b,5.4
NEIC IV 26 18 12 32.5 19.72S 69.32W 107 5.5b,5.4
GUC IV 26 18 12 32.8–.80 19.69S 69.30W 107–3 5.3L,5.4
NEIC IV 26 18 12 32 19.71S 69.29W 110 5.3L,5.4
IDC IV 26 18 12 33.0–.36 19.69S 69.11W 110–3 4.9,4.5b
BJI IV 26 18 12 34.0–.00 19.70S 69.30W 107 5.4b,4.5b
GCMT IV 26 18 12 35.5–.10 19.69S–.01 69.44W–.01 126–0 5.3W,4.5b
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s330.69574°,δ55.90524°,λ-93.63709°. NP2: ϕ_s157.16510°,δ34.26487°,λ-84.64623°. Principal axes: T Plg10.8364°,Azm63.3134° ; N Plg3.0113°,Azm332.7364°; P Plg78.7432°,Azm227.4111°
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.44 $M_{\theta\theta}$-0.03 $M_{\phi\phi}$-0.41 $M_{r\theta}$0.35 $M_{\theta\phi}$-0.09 $M_{\phi r}$-1.10 NP1:ϕ_s164.89000°,δ80.55000°,λ81.69000°. NP2:ϕ_s26.55000°,δ12.56000° ,λ130.97000°. Principal axes: T 1.2835,Plg54.0000°,Azm65.0000°; N -0.1078,Plg8.0000° ,Azm166.0000°; P -1.1757,Plg35.0000°,Azm262.0000° $M_0$1.23000×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 2.5 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.10 $M_{\theta\theta}$-0.06 $M_{\phi\phi}$0.15 $M_{r\theta}$0.51 $M_{\theta\phi}$0.03 $M_{\phi r}$-1.30 NP1:ϕ_s338.51000°,δ87.94000° ,λ-93.94000°. NP2:ϕ_s220.90000°,δ4.45000°,λ-27.68000°. Principal axes: T 1.4070,Plg43.0000°,Azm72.0000°; N -0.0047,Plg4.0000°,Azm339.0000° ; P -1.4023,Plg47.0000°,Azm244.0000° $M_0$1.40000×10^{17}
NEIC Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s113,c180; s135,c219;Duration: 1.2 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.29±.02 $M_{\theta\theta}$-0.02±.03; $M_{\phi\phi}$0.31±.03; $M_{r\theta}$0.53±.01; $M_{\theta\phi}$-0.06±.02; $M_{\phi r}$-1.20±.02; Best double couple: NP1:ϕ_s337.00000°,δ84.00000°,λ-94.00000°. NP2:ϕ_s186.00000°,δ7.00000°,λ-61.00000°. Principal axes: T 1.3530,Plg39.0000° ,Azm70.0000°; N -0.0130,Plg4.0000°,Azm337.0000°; P -1.3410,Plg51.0000°,Azm242.0000° $M_0$1.34700×10^{17}
ISC IV 26 21 58 00.2–.46 20.94S–.03 69.09W–.05 104–4 4.0b 179 0-145
SJA IV 26 21 58 58.8–.85 20.94S 69.10W 110–3 4.4L,4.2W **¶610560076**
VAO IV 26 21 58 59.5–.29 20.84S 69.12W 104 4.5b,4.2W
NEIC IV 26 21 59 00.5–.98 20.95S–.04 69.09W–.03 103–6 4.3L,4.1b
GUC IV 26 21 59 00.6–.68 20.95S 69.04W 103–3 4.3L,4.1b
IDC IV 26 21 59 01.5–.61 20.93S 68.87W 105–5 4.1,3.7b
ISC Event type se.
SJA Error ellipse: s-maj=1.8km s-min=4.6km az=-1.0.
VAO Error ellipse: s-maj=2.6km s-min=3.4km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=5.5km s-min=3.6km az=154.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=1.6km s-min=3.9km az=-1.0.
IDC Error ellipse: s-maj=20.6km s-min=8.4km az=94.0.
ISC IV 27 03 11 15.4–1.3 20.78S–.02 69.91W–.05 56–8 57 0-4
SJA IV 27 03 11 13.4–.82 20.78S 69.88W 67–4 3.6W,3.4L **¶616345378**
GUC IV 27 03 11 15.1–.66 20.79S 69.87W 64–3 3.3L,3.4L
ISC Event type ke.
SJA Error ellipse: s-maj=1.5km s-min=3.3km az=-1.0.
GUC Error ellipse: s-maj=1.0km s-min=2.4km az=-1.0.
ISC IV 27 16 56 22.2–1.4 19.70S–.03 69.34W–.06 106–8 57 0-4
SJA IV 27 16 56 21.3–.67 19.69S 69.30W 107–2 3.5L,3.4W **¶616345420**
GUC IV 27 16 56 22.5–.72 19.66S 69.30W 100–3 3.6L,3.4W
ISC Event type ke.
SJA Error ellipse: s-maj=1.3km s-min=3.0km az=-1.0.
GUC Error ellipse: s-maj=1.3km s-min=3.3km az=-1.0.
ISC V 01 17 16 08.6–.85 18.94S–.04 69.31W–.08 111–7 3.5b 32 0-135
GUC V 01 17 16 09.8–.78 18.94S 69.29W 104–3 3.4L **¶610689327**
IDC V 01 17 16 10.3–1.7 19.02S 68.89W 127–16 3.6,3.2b
ISC Event type ke.
GUC Error ellipse: s-maj=2.1km s-min=4.7km az=-1.0.
IDC Error ellipse: s-maj=41.1km s-min=14.1km az=102.0.
ISC V 02 08 33 56.1–1.3 24.59S–.03 69.37W–.06 110–10 50 1-5
SJA V 02 08 33 55.8–6.1 24.60S 69.22W 75 3.7W,3.5L **¶612738548**
GUC V 02 08 33 56.7–.84 24.60S 69.31W 92–5 3.6L,3.5L
ISC Event type ke.
SJA Error ellipse: s-maj=15.6km s-min=23.8km az=-1.0.
GUC Error ellipse: s-maj=1.9km s-min=4.1km az=-1.0.
ISC V 06 12 02 07.5–.94 20.02S–.03 69.16W–.06 93–6 68 0-90
SJA V 06 12 02 06.3–.65 20.03S 69.20W 102–2 3.7W,3.6L **¶610689661**
IDC V 06 12 02 08.3–1.7 20.13S 68.89W 116–19 3.7,3.3b
GUC V 06 12 02 08.1–.79 20.04S 69.15W 94–3 3.6L,3.3b
ISC Event type ke.
SJA Error ellipse: s-maj=1.4km s-min=2.7km az=-1.0.
IDC Error ellipse: s-maj=42.4km s-min=15.8km az=102.0.
GUC Error ellipse: s-maj=1.5km s-min=3.4km az=-1.0.
ISC V 06 16 10 39.7–.49 20.02S–.02 69.18W–.05 96–4 4.3b 142 0-169
SJA V 06 16 10 39.5–.70 20.00S 69.20W 100–2 4.6L,4.3W **¶610617755**
NEIC V 06 16 10 40.4–2.6 20.04S–.03 69.12W–.08 98–5 4.5L,4.3b
GUC V 06 16 10 40.3–.73 20.01S 69.20W 94–2 4.5L,4.3b
IDC V 06 16 10 41.1–.73 19.90S 68.95W 104–7 4.4,3.9b
ISC Event type se.
SJA Error ellipse: s-maj=1.7km s-min=3.7km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=4.6km az=96.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=1.2km s-min=3.0km az=-1.0.
IDC Error ellipse: s-maj=17.2km s-min=10.7km az=93.0.
ISC V 06 21 10 11.0–.62 20.05S–.03 69.12W–.05 99–5 4.1b 127 0-152
SJA V 06 21 10 10.3–.76 20.04S 69.18W 103–3 4.2L,4.0W **¶610689686**
GUC V 06 21 10 11.3–.80 20.07S 69.16W 96–3 3.9L,4.0W
NEIC V 06 21 10 11.6–1.4 20.09S–.05 69.10W–.07 95–3 4.1b,3.9L
IDC V 06 21 10 12.1–1.7 20.19S 68.95W 110–15 4.1,3.8s
ISC Event type se.
SJA Error ellipse: s-maj=1.9km s-min=3.1km az=-1.0.
GUC Error ellipse: s-maj=1.5km s-min=3.5km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=6.3km az=110.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=28.9km s-min=14.7km az=107.0.
IDC V 07 10 56 41.2–3.3 23.37S 68.37W 0 3.8L,3.7b
¶610689719
IDC Error ellipse: s-maj=94.5km s-min=54.5km az=56.0.
GUC V 07 20 42 42.7–.59 20.17S 69.13W 95–3 2.7L
¶617176979
GUC Error ellipse: s-maj=1.6km s-min=3.7km az=-1.0.
ISC V 08 21 04 17.6–.71 19.81S–.03 69.02W–.05 102–6 110 0-144
SJA V 08 21 04 14.1–.92 19.63S 68.85W 114–5 4.0L,3.9W **¶610618183**
GUC V 08 21 04 18.9–.69 19.83S 69.02W 105–2 4.0L,3.9W
NEIC V 08 21 04 18.9–1.5 19.85S–.02 69.08W–.09 106–4 4.0b,4.0L
IDC V 08 21 04 19.2–1.1 19.89S 68.68W 120–11 4.0,3.5b
ISC Event type se.
SJA Error ellipse: s-maj=3.9km s-min=9.3km az=-1.0.
GUC Error ellipse: s-maj=1.2km s-min=3.1km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=12.5km s-min=3.2km az=95.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=25.1km s-min=9.1km az=101.0.
ISC V 10 08 17 42.8–.54 27.36S–.03 69.62W–.04 117–5 4.3b 152 1-151
NEIC V 10 08 17 42.5–2.9 27.33S–.05 69.7W–.10 134–6 4.4b,4.2L **¶610619330**
GUC V 10 08 17 44.6–.66 27.41S 69.55W 112–4 4.1L,4.2L
SJA V 10 08 17 44.5–5.5 27.40S 69.51W 85 4.3L,4.2W
IDC V 10 08 17 45.0–.82 27.27S 69.59W 111–6 4.0,3.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.4km s-min=7.4km az=98.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=3.2km s-min=3.6km az=-1.0.
SJA Error ellipse: s-maj=11.1km s-min=17.6km az=-1.0.
IDC Error ellipse: s-maj=24.7km s-min=15.3km az=94.0.
ISC V 12 03 18 41.0–.86 20.14S–.03 69.22W–.05 96–6 75 0-127
SJA V 12 03 18 40.0–.67 20.11S 69.19W 103–2 3.8L,3.7W **¶610690094**
GUC V 12 03 18 41.7–.80 20.13S 69.13W 97–3 3.6L,3.7W
IDC V 12 03 18 42.1–1.7 20.14S 68.91W 106–17 3.8,3.3b
ISC Event type ke.
SJA Error ellipse: s-maj=1.3km s-min=3.2km az=-1.0.

GUC Error ellipse: s-maj=1.5km s-min=4.3km az=-1.0.
IDC Error ellipse: s-maj=34.5km s-min=14.1km az=103.0.
ISC V 12 04 19 59.1–1.3 23.09S–.03 68.92W–.05 98–9 46 0-4
SJA V 12 04 19 57.9–.57 23.07S 68.92W 99–2 3.5W,3.4L **¶612738762**
GUC V 12 04 19 58.5–.62 23.10S 68.96W 100–3 3.4L,3.4L
ISC Event type ke.
SJA Error ellipse: s-maj=1.3km s-min=2.2km az=-1.0.
GUC Error ellipse: s-maj=1.4km s-min=3.7km az=-1.0.
ISC V 12 16 48 01.8–.72 24.39S–.03 69.36W–.05 89–8 4.8b 121 1-148
SJA V 12 16 47 59.9–1.4 24.37S 69.27W 75 4.1L,3.9W **¶610634665**
NEIC V 12 16 48 01.7–2.6 24.32S–.06 69.94W–.08 120–12 4.2L,4.2b
IDC V 12 16 48 03.5–1.8 24.40S 69.39W 87–16 4.3,4.1b
GUC V 12 16 48 03.3–.88 24.36S 69.49W 97–5 4.2L,4.1b
ISC Event type se.
SJA Error ellipse: s-maj=4.3km s-min=7.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=11.6km s-min=7.2km az=123.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=39.7km s-min=15.1km az=95.0.
GUC Error ellipse: s-maj=2.3km s-min=4.1km az=-1.0.
ISC V 12 19 08 00.3–1.3 20.61S–.02 69.85W–.05 93–7 72 0-3
SJA V 12 19 08 00.5–3.2 20.62S 69.80W 70 3.7W,3.6L **¶612738774**
GUC V 12 19 08 01.3–.84 20.60S 69.75W 89–3 3.7L,3.6L
ISC Event type ke.
SJA Error ellipse: s-maj=3.9km s-min=10.2km az=-1.0.
GUC Error ellipse: s-maj=1.2km s-min=3.2km az=-1.0.
ISC V 16 11 17 32.5–.72 18.18S–.04 69.35W–.07 135–6 3.4b 50 0-88
VAO V 16 11 17 05.5–1.2 18.40S 71.19W 10 4.2b **¶610690414**
IDC V 16 11 17 33.3–4.3 18.20S 69.12W 135–30 3.5,3.1b
GUC V 16 11 17 34.0–.78 18.15S 69.43W 132–3 4.0L,3.1b
ISC Event type ke.
VAO Error ellipse: s-maj=4.9km s-min=12.2km az=-1.0.
IDC Error ellipse: s-maj=51.2km s-min=28.7km az=48.0.
GUC Error ellipse: s-maj=2.3km s-min=4.8km az=-1.0.
GUC V 16 13 46 24.6–.39 20.26S 69.23W 84–3 2.6L
¶612738862
GUC Error ellipse: s-maj=1.5km s-min=3.9km az=-1.0.
ISC V 17 04 18 55.3–.75 22.05S–.03 68.63W–.05 126–6 93 1-146
VAO V 17 04 18 49.0–1.9 21.79S 69.59W 158–10 4.1b **¶610690464**
IDC V 17 04 18 54.7–1.2 22.30S 68.02W 93–18 3.8,3.7b
SJA V 17 04 18 55.7–1.9 22.03S 68.56W 100 3.6W,3.6L
GUC V 17 04 18 56.9–.64 22.08S 68.60W 109–3 3.7L,3.6L
ISC Event type ke.
VAO Error ellipse: s-maj=12.5km s-min=24.1km az=-1.0.
IDC Error ellipse: s-maj=59.2km s-min=19.7km az=134.0.
SJA Error ellipse: s-maj=4.1km s-min=4.8km az=-1.0.
GUC Error ellipse: s-maj=1.2km s-min=3.5km az=-1.0.
ISC V 20 00 52 39.8–.96 26.77S–.03 69.78W–.06 113–8 53 1-150
IDC V 20 00 52 25.7–4.3 27.41S 69.80W 0 4.4b,4.0 **¶610684999**
GUC V 20 00 52 39.5–.63 26.78S 69.82W 113–5 3.7L,4.0
SJA V 20 00 52 39.6–1.8 26.86S 69.64W 80 3.7L,3.6W
ISC Event type ke.
IDC Error ellipse: s-maj=135.5km s-min=61.2km az=78.0.
GUC Error ellipse: s-maj=1.3km s-min=5.4km az=-1.0.
SJA Error ellipse: s-maj=3.4km s-min=7.5km az=-1.0.
ISC V 20 03 11 59.7–.66 19.10S–.03 69.44W–.05 103–6 3.6b 108 1-127
SJA V 20 03 11 59.3–.61 19.12S 69.48W 103–2 3.9W,3.8L **¶610685003**
IDC V 20 03 12 00.9–1.6 19.15S 69.26W 117–11 3.8,3.4b
NEIC V 20 03 12 00.5–1.1 19.13S–.05 69.47W–.07 103–9 4.1b,4.0L
GUC V 20 03 12 00.6–.75 19.10S 69.42W 99–3 4.0L,4.0L
VAO V 20 03 12 01.8–.58 19.05S 69.30W 120 4.0b,4.0L
ISC Event type se.
SJA Error ellipse: s-maj=1.7km s-min=3.0km az=-1.0.
IDC Error ellipse: s-maj=33.3km s-min=9.7km az=98.0.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=6.7km az=85.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=2.0km s-min=3.9km az=-1.0.
VAO Error ellipse: s-maj=3.6km s-min=6.7km az=-1.0.
ISC V 22 14 23 07.6–.52 23.11S–.03 69.01W–.04 107–4 4.2b 129 0-147
SJA V 22 14 23 07.7–.71 23.12S 68.99W 103–3 4.1L,4.0W **¶610646382**
NEIC V 22 14 23 08.0–1.5 23.14S–.05 68.98W–.04 104–5 4.2b,4.2L
IDC V 22 14 23 08.7–.59 22.99S 68.79W 99–5 4.3,4.0b
GUC V 22 14 23 09.0–.66 23.12S 69.06W 108–3 4.2L,4.0b
ISC Event type se.
SJA Error ellipse: s-maj=1.5km s-min=3.1km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=7.5km s-min=4.4km az=166.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=22.0km s-min=17.9km az=78.0.
GUC Error ellipse: s-maj=1.7km s-min=3.9km az=-1.0.
ISC V 24 15 30 57.5–.70 19.11S–.03 69.65W–.06 119–6 3.6b 84 1-135
VAO V 24 15 30 54.5–1.2 19.02S 70.28W 153 4.1b **¶610685305**
SJA V 24 15 30 56.3–.58 19.09S 69.65W 121–2 3.6W,3.6L
GUC V 24 15 30 57.9–.68 19.07S 69.58W 115–3 3.7L,3.6L
IDC V 24 15 30 58.4–1.4 19.15S 69.24W 117–12 3.8,3.5b
ISC Event type ke.
VAO Error ellipse: s-maj=5.4km s-min=13.7km az=-1.0.
SJA Error ellipse: s-maj=1.5km s-min=2.9km az=-1.0.
GUC Error ellipse: s-maj=1.8km s-min=3.6km az=-1.0.
IDC Error ellipse: s-maj=30.1km s-min=9.1km az=101.0.
ISC V 28 11 52 38.4–1.3 19.95S–.03 69.24W–.06 80–7 56 0-4
SJA V 28 11 52 33.6–.72 19.93S 69.07W 105–5 3.6L,3.4W **¶612739066**
GUC V 28 11 52 35.9–.60 19.95S 69.10W 96–2 3.4L,3.4W
ISC Event type ke.
SJA Error ellipse: s-maj=2.5km s-min=4.6km az=-1.0.
GUC Error ellipse: s-maj=1.1km s-min=2.7km az=-1.0.
ISC V 28 21 00 24.0–.99 19.76S–.03 69.33W–.05 105–6 63 0-127
SJA V 28 21 00 23.1–.69 19.73S 69.28W 107–2 3.5W,3.5L **¶610685573**
GUC V 28 21 00 24.5–.68 19.74S 69.26W 103–2 3.6L,3.5L
IDC V 28 21 00 31.6–7.8 19.24S 69.02W 170–50 3.7,3.4b
ISC Event type ke.
SJA Error ellipse: s-maj=1.6km s-min=3.0km az=-1.0.
GUC Error ellipse: s-maj=1.3km s-min=3.0km az=-1.0.
IDC Error ellipse: s-maj=87.5km s-min=61.5km az=45.0.
ISC V 28 21 19 08.4–1.4 19.77S–.03 69.30W–.06 103–7 64 0-3
SJA V 28 21 19 06.2–.66 19.75S 69.23W 111–2 3.6W,3.6L **¶612739075**
GUC V 28 21 19 08.1–.53 19.75S 69.24W 103–2 3.6L,3.6L
ISC Event type ke.
SJA Error ellipse: s-maj=1.4km s-min=3.2km az=-1.0.
GUC Error ellipse: s-maj=1.0km s-min=2.3km az=-1.0.
ISC V 30 05 13 28.0–.94 22.21S–.05 68.64W–.06 129–8 38 0-77
IDC V 30 05 13 28.5–1.1 22.32S 68.32W 107–21 3.4,3.2b **¶610685689**
GUC V 30 05 13 30.0–.72 22.14S 68.66W 121–4 3.3L,3.2b
ISC Event type ke.
IDC Error ellipse: s-maj=47.0km s-min=24.3km az=104.0.
GUC Error ellipse: s-maj=1.8km s-min=3.0km az=-1.0.
ISC V 30 05 56 33.9–.75 19.31S–.03 69.58W–.06 115–6 81 0-77
VAO V 30 05 56 15.3–1.1 19.63S 70.62W 10 4.1b **¶610685694**
SJA V 30 05 56 34.7–.57 19.32S 69.58W 106–2 3.7W,3.7L
GUC V 30 05 56 36.0–.63 19.29S 69.52W 101–3 3.6L,3.7L
IDC V 30 05 56 37.6–2.5 19.38S 69.16W 119–18 3.8,3.4b
ISC Event type ke.
VAO Error ellipse: s-maj=6.1km s-min=10.9km az=-1.0.
SJA Error ellipse: s-maj=1.1km s-min=2.6km az=-1.0.
GUC Error ellipse: s-maj=1.4km s-min=3.0km az=-1.0.
IDC Error ellipse: s-maj=50.6km s-min=14.7km az=100.0.
ISC V 30 22 56 22.6–.73 27.85S–.03 69.85W–.09 95–7 4.1b 47 0-151
IDC V 30 22 56 20.6–3.0 27.88S 69.94W 71–26 3.9,3.5b **¶610657023**
GUC V 30 22 56 22.2–.61 27.84S 69.86W 102–4 4.0L,3.5b
NEIC V 30 22 56 23.0–1.0 27.82S–.04 69.9W–.20 96–5 4.1b,4.0L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 31 08 37 06.4–.94 22.74S–.03 68.85W–.04 104–6 62 0-78
SJA V 31 08 37 04.9–.76 22.71S 68.81W 109–3 3.7W,3.7L **¶610685783**
IDC V 31 08 37 06.0–.90 22.63S 68.87W 101–13 3.7,3.5b
GUC V 31 08 37 06.7–.74 22.72S 68.82W 104–3 3.9L,3.5b
ISC Event type ke.
SJA Error ellipse: s-maj=1.9km s-min=3.9km az=-1.0.
IDC Error ellipse: s-maj=40.9km s-min=9.2km az=110.0.
GUC Error ellipse: s-maj=2.0km s-min=2.7km az=-1.0.
ISC V 31 17 38 52.1–.29 22.70S–.03 68.45W–.04 114–2 4.9b 687 0-170
GUC V 31 17 38 51.5–.84 22.71S 68.53W 127–4 4.9L **¶610656908**
VAO V 31 17 38 51.5–.33 22.63S 68.38W 109 5.2b
SJA V 31 17 38 51.1–1.0 22.73S 68.61W 124–5 4.8W,4.8L
NEIC V 31 17 38 52 22.75S 68.67W 140 4.8W,4.8L
NEIC V 31 17 38 52 22.75S 68.45W 140 4.8W,4.8L
IDC V 31 17 38 52.2–.37 22.70S 68.66W 110–2 4.6,4.3b
BJI V 31 17 38 52.0–.00 22.80S 68.40W 100 4.7b,4.3b
NEIC V 31 17 38 52.6–2.2 22.74S–.05 68.47W–.07 116–4 4.9,4.9b
GCMT V 31 17 38 56.7–.40 22.67S–.04 68.65W–.03 136–4 4.9W,4.9b
ISC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 1s5 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.78 $M_{\theta\theta}$0.30 $M_{\phi\phi}$0.48 $M_{r\theta}$-0.23 $M_{\theta\phi}$1.09 $M_{\phi r}$-2.81 NP1:ϕ_s7.70000°,δ82.27000°,λ-109.64000°. NP2:ϕ_s257.06000°,δ21.05000°,λ-21.98000°. Principal axes: T 3.0918,Plg34.0000°,Azm114.0000°; N 0.0178,Plg19.0000°,Azm10.0000°; P -3.1096,Plg49.0000°,Azm256.0000° $M_0$3.10000×10^{16}
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s22,c26; s86,c102;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.76±.12 $M_{\theta\theta}$0.25±.16; $M_{\phi\phi}$1.51±.23; $M_{r\theta}$-0.28±.09; $M_{\theta\phi}$0.01±.25; $M_{\phi r}$-1.97±.12; Best double couple: NP1:ϕ_s6.00000°,δ70.00000°,λ-87.00000°. NP2:ϕ_s177.00000°,δ20.00000°,λ-98.00000°. Principal axes: T 2.4430,Plg25.0000°,Azm94.0000°; N 0.2660,Plg3.0000°,Azm185.0000°; P -2.7050,Plg65.0000°,Azm281.0000° $M_0$2.57400×10^{16}
ISC V 31 19 50 49.0–.97 18.03S–.05 69.70W–.09 123–7 3.5b 34 0-88
GUC V 31 19 50 49.9–.74 18.00S 69.66W 116–3 3.6L **¶610685813**
IDC V 31 19 50 50.6–2.0 18.12S 69.35W 134–17 3.8,3.3b
ISC Event type ke.
GUC Error ellipse: s-maj=2.8km s-min=4.1km az=-1.0.
IDC Error ellipse: s-maj=41.6km s-min=13.7km az=102.0.
ISC VI 02 07 23 29.8–1.4 21.16S–.03 69.22W–.05 104–9 52 0-5
SJA VI 02 07 23 27.5–2.0 21.17S 69.21W 113–10 3.5W,3.2L **¶612739154**
GUC VI 02 07 23 29.5–.76 21.16S 69.12W 98–4 3.4L,3.2L
ISC Event type ke.
SJA Error ellipse: s-maj=4.7km s-min=9.5km az=-1.0.
GUC Error ellipse: s-maj=1.2km s-min=3.3km az=-1.0.
ISC VI 02 14 26 23.2–1.5 22.88S–.04 68.76W–.05 102–8 57 0-3
SJA VI 02 14 26 21.2–.79 22.90S 68.68W 103–3 3.5W,3.5L **¶612739158**
GUC VI 02 14 26 24.2–.83 22.85S 68.80W 100–3 3.4L,3.5L
ISC Event type ke.
SJA Error ellipse: s-maj=2.4km s-min=3.3km az=-1.0.
GUC Error ellipse: s-maj=1.9km s-min=3.5km az=-1.0.
ISC VI 05 01 32 46.4–1.4 22.86S–.04 68.88W–.04 88–8 40 0-4
SJA VI 05 01 32 43.5–.77 22.85S 68.80W 100–4 3.6W,3.5L **¶612739206**
GUC VI 05 01 32 45.0–.87 22.87S 68.83W 92–3 3.6L,3.5L
ISC Event type ke.
SJA Error ellipse: s-maj=3.3km s-min=5.3km az=-1.0.
GUC Error ellipse: s-maj=1.9km s-min=2.9km az=-1.0.
ISC VI 06 12 55 23.3–1.4 23.08S–.03 68.78W–.04 118–8 60 0-5
SJA VI 06 12 55 23.0–.76 23.10S 68.79W 115–3 3.8W,3.6L **¶612739235**
GUC VI 06 12 55 24.5–.95 23.07S 68.80W 103–4 3.6L,3.6L
ISC Event type ke.
SJA Error ellipse: s-maj=1.5km s-min=3.8km az=-1.0.
GUC Error ellipse: s-maj=2.4km s-min=3.5km az=-1.0.
ISC VI 06 17 35 09.3–.23 22.94S–.02 68.72W–.03 103–1 5.5b 1056 0-175
MOS VI 06 17 35 07.5–1.6 22.94S 68.60W 95 5.3b **¶610664203**
NEIC VI 06 17 35 08.0–2.5 22.94S–.04 68.60W–.07 93–3 5.5b,5.4
SJA VI 06 17 35 08.0–.68 22.99S 68.75W 110–3 5.4L,5.1W
IDC VI 06 17 35 09.8–.32 22.77S 68.63W 98–2 5.0,4.7b
NEIC VI 06 17 35 10 22.84S 68.86W 80 5.0,4.7b
GUC VI 06 17 35 10.9–.84 22.93S 68.76W 98–4 5.5L,4.7b
VAO VI 06 17 35 10.0–.34 22.86S 68.58W 116 5.7b,4.7b
NEIC VI 06 17 35 10 22.94S 68.86W 80 5.7b,4.7b
NEIC VI 06 17 35 10 22.94S 68.86W 116 5.7b,4.7b
BJI VI 06 17 35 11.0–.00 23.10S 68.80W 116 4.9b,4.7b
GCMT VI 06 17 35 15.0–.20 22.74S–.01 68.84W–.01 123–1 5.4W,4.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.54 $M_{\theta\theta}$-0.34 $M_{\phi\phi}$0.88 $M_{r\theta}$-0.32 $M_{\theta\phi}$-0.48 $M_{\phi r}$-0.71 NP1:ϕ_s13.74000°,δ72.63000°,λ-52.73000°. NP2:ϕ_s125.16000°,δ40.58000°,λ-152.68000°. Principal axes: T 1.2409,Plg19.0000°,Azm77.0000°; N -0.0982,Plg35.0000°,Azm181.0000°; P -1.1426,Plg48.0000°,Azm324.0000° $M_0$1.19000×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 2s3 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.41 $M_{\theta\theta}$-0.46 $M_{\phi\phi}$0.87 $M_{r\theta}$-0.31 $M_{\theta\phi}$-0.69 $M_{\phi r}$-0.39 NP1:ϕ_s16.17000°,δ72.95000°,λ-32.67000°. NP2:ϕ_s116.82000°,δ58.93000°,λ-159.98000°. Principal axes: T 1.2002,Plg9.0000°,Azm69.0000°; N -0.1411,Plg54.0000°,Azm172.0000°; P -1.0591,Plg35.0000°,Azm333.0000° $M_0$1.13000×10^{17}
NEIC Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s87,c106; s118,c191;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.39±.02 $M_{\theta\theta}$-0.69±.03; $M_{\phi\phi}$1.08±.03; $M_{r\theta}$-0.29±.01; $M_{\theta\phi}$-0.81±.02; $M_{\phi r}$-0.52±.02; Best double couple: NP1:ϕ_s20.00000°,δ79.00000°,λ-30.00000°. NP2:ϕ_s116.00000°,δ60.00000°,λ-167.00000°. Principal axes: T 1.4730,Plg12.0000°,Azm71.0000°; N -0.2110,Plg58.0000°,Azm181.0000°; P -1.2600,Plg29.0000°,Azm334.0000° $M_0$1.36600×10^{17}
ISC VI 08 07 44 26.3–1.4 21.10S–.03 69.11W–.05 118–9 60 0-4
SJA VI 08 07 44 25.0–.77 21.10S 69.09W 126–5 3.6W,3.6L **¶612739266**
GUC VI 08 07 44 27.2–.63 21.12S 69.03W 108–3 3.9L,3.6L
ISC Event type ke.
SJA Error ellipse: s-maj=1.4km s-min=3.4km az=-1.0.
GUC Error ellipse: s-maj=1.2km s-min=2.6km az=-1.0.
ISC VI 09 04 20 18.0–.57 22.60S–.03 68.86W–.05 123–5 3.9b 134 0-172
NEIC VI 09 04 20 17.6–1.8 22.61S–.01 68.86W–.09 134–8 4.2L,4.2b **¶610668117**
SJA VI 09 04 20 17.0–.68 22.55S 68.97W 140–3 4.0W,4.0L
IDC VI 09 04 20 19.0–.65 22.52S 68.71W 107–7 3.9,3.5b
GUC VI 09 04 20 19.8–.87 22.58S 68.85W 110–4 4.1L,3.5b
VAO VI 09 04 20 21.0–.50 22.57S 68.59W 133 4.0b,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=1.9km az=91.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SJA Error ellipse: s-maj=1.4km s-min=3.0km az=-1.0.
IDC Error ellipse: s-maj=24.2km s-min=22.7km az=160.0.
GUC Error ellipse: s-maj=2.1km s-min=3.0km az=-1.0.
VAO Error ellipse: s-maj=3.8km s-min=5.4km az=-1.0.
ISC VI 09 15 52 42.5–.99 20.88S–.03 69.22W–.06 114–6 67 0-145
SJA VI 09 15 52 40.9–.68 20.88S 69.16W 118–3 3.6W,3.6L **¶612739288**
GUC VI 09 15 52 43.4–.74 20.86S 69.12W 106–4 3.7L,3.6L
IDC VI 09 15 53 11.2–6.9 17.98S 67.46W 258–74 3.8,3.2b
ISC Event type ke.
SJA Error ellipse: s-maj=1.4km s-min=3.8km az=-1.0.
GUC Error ellipse: s-maj=1.4km s-min=3.1km az=-1.0.
IDC Error ellipse: s-maj=179.4km s-min=141.2km az=121.0.
ISC VI 10 12 11 59.4–.65 20.87S–.03 69.19W–.05 110–5 107 0-77
SJA VI 10 12 11 57.5–.71 20.87S 69.15W 115–3 4.0L,3.8W **¶611151005**
GUC VI 10 12 11 59.8–.41 20.85S 69.12W 105–2 4.0L,3.8W

VAO VI 10 12 11 59.5–.77 20.92S 69.25W 131–6 4.1b,3.8W
NEIC VI 10 12 12 00.2–1.5 20.83S–.05 69.22W–.09 102–5 4.1b,4.0L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 10 13 01 56.3–.87 19.81S–.03 69.39W–.05 101–5 71 0-134
SJA VI 10 13 01 55.4–.75 19.78S 69.37W 103–3 3.6W,3.6L **¶610791593**
GUC VI 10 13 01 56.9–.73 19.79S 69.31W 98–2 3.4L,3.6L
IDC VI 10 13 02 03.3–5.7 19.26S 68.93W 155–45 3.6,3.3b
ISC Event type ke.
SJA Error ellipse: s-maj=1.5km s-min=3.1km az=-1.0.
GUC Error ellipse: s-maj=1.3km s-min=3.1km az=-1.0.
IDC Error ellipse: s-maj=62.4km s-min=53.4km az=165.0.
ISC VI 10 14 54 07.8–.62 18.71S–.03 69.57W–.06 122–5 3.7b 123 0-151
SJA VI 10 14 54 07.6–.71 18.71S 69.67W 125–3 4.0L,3.8W **¶610791597**
NEIC VI 10 14 54 08.3–2.3 18.69S–.04 69.8W–.10 126–7 4.3b,4.1L
IDC VI 10 14 54 10.0–1.3 18.76S 69.20W 122–10 4.0,3.6b
GUC VI 10 14 54 09.4–.80 18.69S 69.58W 117–4 4.1L,3.6b
VAO VI 10 14 54 10.3–.73 18.71S 69.35W 134–9 4.3b,3.6b
ISC Event type se.
SJA Error ellipse: s-maj=2.1km s-min=3.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=14.2km s-min=5.4km az=95.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=24.4km s-min=9.1km az=100.0.
GUC Error ellipse: s-maj=3.3km s-min=5.3km az=-1.0.
VAO Error ellipse: s-maj=4.9km s-min=7.6km az=-1.0.
GUC VI 12 00 47 48.4–.80 26.32S 69.87W 80–12 2.6L
¶612739343
GUC Error ellipse: s-maj=2.7km s-min=7.8km az=-1.0.
ISC VI 17 15 35 59.4–.46 22.78S–.03 68.87W–.04 101–4 4.4b 188 0-171
NEIC VI 17 15 35 59.9–2.1 22.81S–.05 68.90W–.05 102–5 4.7,4.5b **¶610680846**
SJA VI 17 15 35 59.2–.75 22.80S 68.85W 105–4 4.7L,4.3W
NEIC VI 17 15 35 59.7 22.83S 68.89W 103 4.7L,4.3W
VAO VI 17 15 36 00.4–.42 22.79S 68.78W 105 4.8b,4.3W
GUC VI 17 15 36 00.8–.66 22.76S 68.85W 100–3 4.6L,4.3W
IDC VI 17 15 36 00.1–.57 22.65S 68.88W 97–4 4.2,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=8.1km s-min=6.0km az=216.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}0.67 $M_{\theta\theta}$0.96 $M_{\phi\phi}$-1.63 $M_{r\theta}$-0.12 $M_{\theta\phi}$1.86
$M_{\phi r}$-4.81 NP1:ϕ_s287.35000°,δ22.79000°,λ13.97000°. NP2:ϕ_s184.43000°,δ84.63000°
,λ112.18000°. Principal axes: T 4.8871,Plg46.0000°,Azm117.0000°; N 0.8318,Plg22.0000°
,Azm2.0000°; P -5.7190,Plg36.0000°,Azm255.0000° $M_0$5.35000$\times 10^{15}$
SJA Error ellipse: s-maj=2.1km s-min=4.4km az=-1.0.
NEIC Event type se.
VAO Error ellipse: s-maj=3.4km s-min=4.5km az=-1.0.
GUC Error ellipse: s-maj=1.6km s-min=2.2km az=-1.0.
IDC Error ellipse: s-maj=24.1km s-min=17.2km az=50.0.
ISC VI 19 08 52 24.5–1.5 20.45S–.03 69.01W–.07 106–9 56 0-3
SJA VI 19 08 52 22.8–.77 20.44S 68.95W 110–4 3.5W,3.5L **¶612739464**
GUC VI 19 08 52 24.4–.86 20.44S 68.95W 105–4 3.4L,3.5L
ISC Event type ke.
SJA Error ellipse: s-maj=1.8km s-min=4.0km az=-1.0.
GUC Error ellipse: s-maj=1.9km s-min=4.7km az=-1.0.
ISC VI 19 09 29 42.5–.89 24.88S–.03 69.03W–.05 124–8 67 1-148
SJA VI 19 09 29 41.1–.68 24.86S 68.90W 122–5 3.7W,3.7L **¶610792179**
GUC VI 19 09 29 42.3–.88 24.81S 69.04W 118–5 3.7L,3.7L
IDC VI 19 09 29 42.2–2.4 24.87S 69.17W 98–17 4.4s,3.8
ISC Event type ke.
SJA Error ellipse: s-maj=2.2km s-min=5.5km az=-1.0.
GUC Error ellipse: s-maj=2.8km s-min=5.2km az=-1.0.
IDC Error ellipse: s-maj=93.3km s-min=18.1km az=92.0.
ISC VI 19 14 55 49.7–.43 19.18S–.03 69.30W–.05 116–4 4.8b 270 0-169
SJA VI 19 14 55 49.6–.67 19.14S 69.39W 117–2 4.5L,4.3W **¶610681812**
NEIC VI 19 14 55 50.2–1.6 19.16S–.04 69.40W–.07 113–5 4.9b,4.5
NEIC VI 19 14 55 50.2 19.17S 69.40W 115 4.9b,4.5
IDC VI 19 14 55 50.9–.57 19.16S 69.13W 120–5 4.6,4.3b
GUC VI 19 14 55 51.1–.77 19.13S 69.32W 111–3 4.5L,4.3b
VAO VI 19 14 55 52.2–.42 18.99S 69.02W 115 4.8b,4.3b
ISC Event type se.
SJA Error ellipse: s-maj=1.6km s-min=3.1km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=5.1km az=80.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}1.25 $M_{\theta\theta}$-1.39 $M_{\phi\phi}$0.14 $M_{r\theta}$1.11 $M_{\theta\phi}$1.20
$M_{\phi r}$-2.92 NP1:ϕ_s153.15000°,δ79.36000°,λ112.26000°. NP2:ϕ_s267.43000°,δ24.56000°
,λ26.37000°. Principal axes: T 3.6673,Plg51.0000°,Azm88.0000°; N -0.1462,Plg22.0000°
,Azm329.0000°; P -3.5212,Plg31.0000°,Azm225.0000° $M_0$3.60000$\times 10^{15}$
NEIC Event type se.
IDC Error ellipse: s-maj=15.8km s-min=7.9km az=95.0.
GUC Error ellipse: s-maj=1.7km s-min=3.7km az=-1.0.
VAO Error ellipse: s-maj=2.7km s-min=4.7km az=-1.0.
ISC VI 20 19 59 10.0–.60 20.66S–.02 69.90W–.04 59–5 4.3b 148 0-145
VAO VI 20 19 59 05.6–.55 20.51S 70.09W 10 4.1b **¶610789175**
SJA VI 20 19 59 09.7–1.1 20.67S 69.85W 57–5 4.2L,4.1W
NEIC VI 20 19 59 09.7–2.3 20.65S–.03 69.88W–.05 64–4 4.3b,4.2L
GUC VI 20 19 59 11.4–.83 20.66S 69.83W 57–3 4.2L,4.2L
IDC VI 20 19 59 14.4–2.4 20.65S 69.51W 87–19 4.3,4.0b
ISC Event type se.
VAO Error ellipse: s-maj=3.0km s-min=5.8km az=-1.0.
SJA Error ellipse: s-maj=1.6km s-min=4.0km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=7.3km s-min=3.7km az=103.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=1.2km s-min=2.6km az=-1.0.
IDC Error ellipse: s-maj=43.7km s-min=16.0km az=92.0.
ISC VI 21 11 52 01.4–.81 19.18S–.03 69.36W–.06 115–6 63 1-151
SJA VI 21 11 52 00.6–.66 19.17S 69.35W 117–3 3.8W,3.6L **¶610789210**
GUC VI 21 11 52 01.8–.52 19.14S 69.28W 111–3 3.7L,3.6L
IDC VI 21 11 52 02.5–1.6 19.23S 68.99W 124–15 3.8,3.2b
ISC Event type ke.
SJA Error ellipse: s-maj=1.5km s-min=3.1km az=-1.0.
GUC Error ellipse: s-maj=1.6km s-min=3.2km az=-1.0.
IDC Error ellipse: s-maj=34.4km s-min=14.5km az=101.0.
ISC VI 21 18 32 09.6–.92 20.24S–.02 69.22W–.05 91–5 78 0-152
SJA VI 21 18 32 08.0–.74 20.24S 69.13W 101–3 3.7W,3.7L **¶610789223**
GUC VI 21 18 32 09.7–.74 20.24S 69.11W 95–3 3.8L,3.7L
IDC VI 21 18 32 10.4–8.6 20.38S 68.84W 114–64 3.8,3.5b
ISC Event type ke.
SJA Error ellipse: s-maj=1.8km s-min=3.5km az=-1.0.
GUC Error ellipse: s-maj=1.1km s-min=2.9km az=-1.0.
IDC Error ellipse: s-maj=77.6km s-min=69.0km az=81.0.
ISC VI 25 14 14 05.4–.48 22.43S–.03 68.77W–.04 101–4 4.3b 226 0-170
SJA VI 25 14 14 04.9–.74 22.41S 68.79W 108–3 4.6L,4.5W **¶610694598**
IDC VI 25 14 14 05.3–.55 22.42S 68.56W 90–4 4.2,3.8b
VAO VI 25 14 14 05.5–.27 22.39S 68.71W 101 4.9b,3.8b
NEIC VI 25 14 14 06.4–1.1 22.39S–.05 68.83W–.06 102–6 4.9b,3.8b
GUC VI 25 14 14 06.1–.75 22.37S 68.80W 101–3 4.6L,3.8b
ISC Event type se.
SJA Error ellipse: s-maj=1.9km s-min=2.9km az=-1.0.
IDC Error ellipse: s-maj=18.0km s-min=14.5km az=111.0.
VAO Error ellipse: s-maj=2.5km s-min=2.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=8.2km s-min=6.4km az=64.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=1.7km s-min=2.5km az=-1.0.
ISC VI 26 04 56 06.8–1.4 23.46S–.03 68.90W–.05 82–10 46 1-4
SJA VI 26 04 56 04.0–.66 23.47S 68.85W 91–4 3.6W,3.4L **¶612739579**
GUC VI 26 04 56 04.9–.72 23.44S 68.88W 90–3 3.5L,3.4L
ISC Event type ke.
SJA Error ellipse: s-maj=1.8km s-min=4.1km az=-1.0.
GUC Error ellipse: s-maj=1.7km s-min=2.6km az=-1.0.
ISC VI 27 00 44 09.3–1.4 21.27S–.03 69.06W–.06 123–8 67 0-4
SJA VI 27 00 44 08.3–.66 21.25S 69.01W 123–3 3.5L,3.4W **¶612739603**
GUC VI 27 00 44 09.9–.67 21.27S 68.93W 113–3 3.3L,3.4W
ISC Event type ke.
SJA Error ellipse: s-maj=1.2km s-min=3.1km az=-1.0.
GUC Error ellipse: s-maj=1.1km s-min=3.2km az=-1.0.
ISC VI 27 13 38 44.0–.93 19.90S–.03 69.22W–.05 92–6 62 0-134
SJA VI 27 13 38 42.6–.73 19.89S 69.20W 103–2 3.9W,3.8L **¶610696716**
GUC VI 27 13 38 44.4–.69 19.91S 69.16W 96–3 3.8L,3.8L
IDC VI 27 13 38 45.9–1.2 20.04S 68.70W 121–11 4.0,3.5b
ISC Event type ke.
SJA Error ellipse: s-maj=2.2km s-min=3.6km az=-1.0.
GUC Error ellipse: s-maj=1.5km s-min=3.3km az=-1.0.
IDC Error ellipse: s-maj=42.7km s-min=9.2km az=99.0.
ISC VI 29 05 12 31.5–.70 23.09S–.05 68.40W–.06 118–8 55 0-77
IDC VI 29 05 12 29.9–1.2 23.22S 68.06W 90–20 3.8,3.6b **¶610789695**
GUC VI 29 05 12 31.3–.75 23.03S 68.39W 127–3 3.7L,3.6b
VAO VI 29 05 12 32.7–.54 22.88S 68.45W 117 4.0b,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=30.0km s-min=23.6km az=62.0.
GUC Error ellipse: s-maj=1.9km s-min=3.7km az=-1.0.
VAO Error ellipse: s-maj=4.6km s-min=5.5km az=-1.0.

(124) Chile-Bolivia border region.

GUC I 01 06 40 40.4–.86 20.87S 68.86W 97–4 2.6L
¶612083916
GUC Error ellipse: s-maj=1.2km s-min=4.0km az=-1.0.
ISC I 01 12 57 31.1–.80 21.11S–.04 68.43W–.07 126–8 44 1-145
IDC I 01 12 57 31.4–1.8 21.14S 68.31W 119–18 4.0,3.6b **¶610236385**
GUC I 01 12 57 32.4–.63 21.17S 68.57W 135–4 3.9L,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=38.8km s-min=19.7km az=134.0.
GUC Error ellipse: s-maj=1.2km s-min=3.7km az=-1.0.
ISC I 01 20 39 35.3–2.2 21.85S–.06 67.50W–.05 185–20 48 2-6
GUC I 01 20 39 35.9–.78 21.85S 67.55W 197–8 3.8L **¶612083929**
SCB I 01 20 39 36.7–1.2 21.84S 67.49W 158–18 3.8L,3.5W
ISC Event type se.
GUC Error ellipse: s-maj=2.2km s-min=7.5km az=-1.0.
SCB Event type se. Error ellipse: s-maj=6.6km s-min=4.6km az=0.0.
ISC I 06 06 30 34.5–.23 22.29S–.02 67.76W–.02 164–1 5.6b 1716 1-176
SJA I 06 06 30 31.1–.74 22.35S 67.87W 193–8 5.7L,5.4W **¶611831490**
MOS I 06 06 30 32.4–.95 22.06S 67.57W 143 5.6b,5.4W
SCB I 06 06 30 33.9–1.2 22.34S 67.85W 155–15 5.7L,5.4W
GUC I 06 06 30 33.6–.71 22.31S 67.92W 177–5 6.1L,5.4W
VAO I 06 06 30 33.4–.32 22.19S 67.64W 149–3 5.8b,5.4W
IDC I 06 06 30 34.5–1.1 22.22S 67.53W 156–9 5.6,5.1b
BJI I 06 06 30 34.0–.00 22.40S 67.70W 141 5.5b,5.1b
NEIC I 06 06 30 35.5–3.3 22.32S–.05 67.80W–.07 172–1 5.8,5.8
NEIC I 06 06 30 37.4 22.39S 67.83W 170 5.8,5.8
GCMT I 06 06 30 38.5–.10 22.30S–.01 67.88W–.01 175–0 5.8W,5.8
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s355.61914°,δ77.72891°,λ-88.71415°. NP2:
ϕ_s169.59047°,δ12.33725°,λ-95.89043°. Principal axes: T Plg32.7171°,Azm84.5385°
; N Plg1.2565°,Azm175.3458°; P Plg57.2527°,Azm267.3001°
SCB Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.46 $M_{\theta\theta}$-1.10 $M_{\phi\phi}$0.64 $M_{r\theta}$2.28 $M_{\theta\phi}$-0.38
$M_{\phi r}$-3.50 NP1:ϕ_s143.80000°,δ89.66000°,λ99.70000°. NP2:ϕ_s235.80000°,δ9.70000°
,λ2.03000°. Principal axes: T 4.6830,Plg45.0000°,Azm63.0000°; N -0.8904,Plg10.0000°
,Azm324.0000°; P -3.7926,Plg44.0000°,Azm224.0000° $M_0$4.31000$\times 10^{17}$
NEIC Event type se. Moment Tensor Solution.Duration: 3s9 Moment tensor: Scale 10^{17}Nm;
M_{rr}0.49 $M_{\theta\theta}$-0.64 $M_{\phi\phi}$0.15 $M_{r\theta}$2.38 $M_{\theta\phi}$-0.63 $M_{\phi r}$-4.76 NP1:ϕ_s333.64000°,δ89.98000°
,λ-89.31000°. NP2:ϕ_s65.33000°,δ0.69000°,λ-178.31000°. Principal axes:
T 5.8164,Plg45.0000°,Azm63.0000°; N -0.9876,Plg1.0000°,Azm154.0000°
; P -4.8288,Plg45.0000°,Azm244.0000° $M_0$5.32000$\times 10^{17}$
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s.
Triangular moment-rate function. Moment Tensor Solution. s136,c259; s146,c334;
Duration: 1s8 Moment tensor: Scale 10^{17}Nm; M_{rr}0.04±.05 $M_{\theta\theta}$-0.57±.06; $M_{\phi\phi}$0.53±.07;
$M_{r\theta}$2.63±.04; $M_{\theta\phi}$-0.47±.05; $M_{\phi r}$-4.50±.04; Best double couple: NP1:ϕ_s329.00000°,δ88.00000°
,λ-93.00000°. NP2:ϕ_s208.00000°,δ3.00000°,λ-31.00000°. Principal axes:
T 5.5780,Plg43.0000°,Azm62.0000°; N -0.7000,Plg3.0000°,Azm329.0000°
; P -4.8780,Plg47.0000°,Azm236.0000° $M_0$5.22800$\times 10^{17}$
ISC I 07 21 40 26.0–1.2 22.29S–.05 67.90W–.05 175–11 56 1-19
VAO I 07 21 40 07.9–3.0 24.66S 66.72W 10 4.0b **¶612084036**
GUC I 07 21 40 27.4–.73 22.29S 68.04W 181–5 3.7L
SCB I 07 21 40 27.8–1.2 22.25S 67.90W 149–15 3.4W,3.3L
ISC Event type se.
VAO Error ellipse: s-maj=34.1km s-min=6.8km az=-1.0.
GUC Error ellipse: s-maj=2.2km s-min=4.6km az=-1.0.
SCB Event type se. Error ellipse: s-maj=7.1km s-min=4.3km az=0.0.
ISC I 08 02 04 28.0–.63 21.15S–.04 67.46W–.05 180–7 89 2-145
VAO I 08 02 04 28.2–.44 20.93S 67.42W 157–5 3.8b **¶610236933**
IDC I 08 02 04 28.1–1.4 21.14S 67.32W 165–12 3.9,3.4b
GUC I 08 02 04 29.7–.75 21.19S 67.60W 193–7 3.7L,3.4b
SCB I 08 02 04 29.5–1.1 21.20S 67.50W 161–13 3.9L,3.6W
ISC Event type se.
VAO Error ellipse: s-maj=3.5km s-min=4.3km az=-1.0.
IDC Error ellipse: s-maj=26.7km s-min=17.8km az=132.0.
GUC Error ellipse: s-maj=1.8km s-min=5.5km az=-1.0.
SCB Event type se. Error ellipse: s-maj=4.7km s-min=2.7km az=0.0.
ISC I 08 22 58 01.8–.60 21.29S–.03 68.75W–.04 135–6 230 1-153
VAO I 08 22 58 00.8–.69 21.44S 69.23W 174–6 4.0b **¶610049844**
SJA I 08 22 58 00.0–.72 21.27S 68.73W 144–3 4.0L,3.9W
NEIC I 08 22 58 01.5–1.3 21.25S–.03 68.74W–.08 132–7 4.0L,3.9W
GUC I 08 22 58 02.1–.75 21.27S 68.65W 126–4 4.0L,3.9W
IDC I 08 22 58 03.2–1.5 21.51S 68.35W 131–17 3.9,3.7b
ISC Event type se.
VAO Error ellipse: s-maj=4.8km s-min=8.3km az=-1.0.
SJA Error ellipse: s-maj=1.3km s-min=2.6km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=3.8km az=91.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=1.3km s-min=3.8km az=-1.0.
IDC Error ellipse: s-maj=32.8km s-min=27.6km az=166.0.
ISC I 14 18 20 32.2–.95 21.78S–.04 68.67W–.08 139–10 46 1-20
VAO I 14 18 20 24.7–1.1 20.95S 68.52W 10 4.3b **¶612084134**
GUC I 14 18 20 33.3–.70 21.78S 68.56W 126–5 3.8L
ISC Event type se.
VAO Error ellipse: s-maj=8.4km s-min=9.9km az=-1.0.
GUC Error ellipse: s-maj=1.5km s-min=4.6km az=-1.0.
ISC I 15 00 26 07.9–.58 20.47S–.03 68.78W–.05 117–6 4.1b 117 0-152
VAO I 15 00 26 07.2–1.6 20.34S 68.87W 121–10 4.0b **¶610237399**
NEIC I 15 00 26 08.7–1.4 20.47S–.04 68.80W–.07 112–7 4.0b,3.7L
IDC I 15 00 26 09.4–2.8 20.52S 68.57W 125–24 4.0,3.6b
GUC I 15 00 26 09.0–.71 20.46S 68.76W 112–3 3.7L,3.6b
ISC Event type se.
VAO Error ellipse: s-maj=3.8km s-min=12.6km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=5.5km az=102.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=34.1km s-min=23.5km az=78.0.
GUC Error ellipse: s-maj=1.3km s-min=3.6km az=-1.0.
ISC I 16 03 21 02.7–.89 21.97S–.04 68.65W–.07 123–9 47 1-20
VAO I 16 03 20 34.9–1.2 20.95S 71.51W 157–8 4.0b **¶612084158**
GUC I 16 03 21 03.4–.76 21.98S 68.56W 112–4 3.6L
ISC Event type ke.
VAO Error ellipse: s-maj=7.0km s-min=10.8km az=-1.0.
GUC Error ellipse: s-maj=1.8km s-min=4.4km az=-1.0.

ISC I 17 02 09 34.2–.67 21.42S–.04 68.68W–.06 106–7 3.6b 59 1-145
VAO I 17 02 09 33.6–.66 21.15S 68.73W 91–6 3.9b ¶610237559
IDC I 17 02 09 35.0–1.1 21.48S 68.47W 105–14 3.8,3.4b
GUC I 17 02 09 35.3–.61 21.45S 68.70W 105–3 3.5L,3.4b
ISC Event type ke.
VAO Error ellipse: s-maj=4.8km s-min=6.8km az=-1.0.
IDC Error ellipse: s-maj=31.3km s-min=18.9km az=122.0.
GUC Error ellipse: s-maj=1.1km s-min=2.8km az=-1.0.
ISC I 20 22 22 08.0–2.6 21.13S–.06 67.34W–.06 207–22 40 2-4
SCB I 20 22 22 09.5–1.2 21.14S 67.35W 184–16 3.5L ¶615316582
ISC Event type se.
SCB Event type se. Error ellipse: s-maj=7.9km s-min=5.3km az=0.0.
ISC I 20 23 18 25.9–.90 21.26S–.04 68.86W–.07 120–8 41 1-145
IDC I 20 23 18 27.3–1.3 21.33S 68.49W 108–14 3.7,3.4b ¶610234966
GUC I 20 23 18 27.2–.78 21.29S 68.89W 116–4 3.7L,3.4b
ISC Event type ke.
IDC Error ellipse: s-maj=38.0km s-min=15.6km az=118.0.
GUC Error ellipse: s-maj=1.5km s-min=4.5km az=-1.0.
ISC I 22 06 48 12.2–.53 21.36S–.03 67.43W–.03 200–6 4.1b 277 2-169
SJA I 22 06 48 10.9–.74 21.35S 67.44W 204–5 4.4L,4.0W ¶610105068
NEIC I 22 06 48 11.9–1.6 21.41S–.03 67.49W–.09 211–7 4.3b,4.1L
IDC I 22 06 48 11.6–.73 21.38S 67.15W 168–9 4.2,4.0b
SCB I 22 06 48 13.1–1.3 21.39S 67.46W 175–15 4.4L,3.6W
VAO I 22 06 48 13.2–.36 21.16S 67.29W 178–4 4.0b,3.6W
GUC I 22 06 48 13.5–.67 21.34S 67.59W 207–9 4.1L,3.6W
ISC Event type se.
SJA Error ellipse: s-maj=2.4km s-min=2.0km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=12.9km s-min=4.3km az=83.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=15.7km s-min=9.9km az=118.0.
SCB Event type se. Error ellipse: s-maj=6.6km s-min=4.5km az=0.0.
VAO Error ellipse: s-maj=2.2km s-min=3.1km az=-1.0.
GUC Error ellipse: s-maj=2.5km s-min=8.5km az=-1.0.
ISC I 22 23 06 51.8–1.0 22.98S–.06 67.01W–.08 250 40 2-146
GUC I 22 23 06 51.2–.59 23.00S 66.99W 259–8 3.7L ¶610235144
IDC I 22 23 06 53.2–9.6 22.80S 66.49W 228–65 4.1,3.8b
ISC Event type ke.
GUC Error ellipse: s-maj=5.1km s-min=8.2km az=-1.0.
IDC Error ellipse: s-maj=109.7km s-min=30.6km az=24.0.
ISC I 23 17 52 07.7–.49 20.09S–.03 68.91W–.05 118–5 4.5b 239 1-152
SJA I 23 17 52 07.1–.75 20.09S 68.97W 127–4 4.1W,4.0L ¶610114170
VAO I 23 17 52 08.6–.44 19.98S 68.76W 109 4.4b,4.0L
NEIC I 23 17 52 08.3–1.4 20.09S–.02 68.94W–.09 121–7 4.4b,4.0L
IDC I 23 17 52 09.2–.68 20.09S 68.63W 116–6 4.3,4.0b
GUC I 23 17 52 09.2–.72 20.09S 68.95W 116–4 4.0L,4.0b
ISC Event type se.
SJA Error ellipse: s-maj=1.4km s-min=4.0km az=-1.0.
VAO Error ellipse: s-maj=2.9km s-min=4.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=2.2km az=94.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=18.6km s-min=8.0km az=100.0.
GUC Error ellipse: s-maj=1.3km s-min=4.1km az=-1.0.
SJA I 24 04 59 42.0 21.41S 67.24W 215 4.1L
¶614569125
ISC I 25 07 30 52.1–.72 21.86S–.06 68.37W–.06 125–8 51 1-146
IDC I 25 07 30 52.3–.98 21.88S 68.08W 104–11 4.4s,3.7 ¶610235308
VAO I 25 07 30 53.6–.56 21.81S 68.24W 107–9 3.7b,3.7
GUC I 25 07 30 54.5–.63 21.85S 68.48W 116–4 3.7L,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=27.4km s-min=11.6km az=109.0.
VAO Error ellipse: s-maj=7.3km s-min=8.0km az=-1.0.
GUC Error ellipse: s-maj=1.8km s-min=3.6km az=-1.0.
ISC I 25 08 50 48.4–.90 22.46S–.05 67.70W–.05 164–8 51 1-146
IDC I 25 08 50 48.6–1.2 22.42S 67.48W 146–15 3.7,3.2b ¶610235315
GUC I 25 08 50 49.8–.69 22.44S 67.87W 180–6 3.7L,3.2b
SCB I 25 08 50 49.9–1.1 22.41S 67.70W 143–18 3.6L,3.2W
ISC Event type se.
IDC Error ellipse: s-maj=25.9km s-min=16.8km az=114.0.
GUC Error ellipse: s-maj=3.0km s-min=5.5km az=-1.0.
SCB Event type se. Error ellipse: s-maj=9.0km s-min=4.4km az=0.0.
ISC I 25 09 11 06.0–.61 21.24S–.03 68.64W–.05 129–6 4.2b 170 1-145
SJA I 25 09 11 04.6–.80 21.24S 68.73W 141–5 4.0L,3.9W ¶610235317
NEIC I 25 09 11 06.8–1.3 21.25S–.04 68.8W–.10 127–7 4.3b,4.0L
GUC I 25 09 11 07.0–.65 21.23S 68.66W 121–4 4.0L,4.0L
IDC I 25 09 11 07.2–1.2 21.22S 68.41W 113–16 3.8,3.3b
VAO I 25 09 11 07.1–.48 21.40S 68.39W 137–8 4.3b,3.3b
ISC Event type se.
SJA Error ellipse: s-maj=1.9km s-min=5.2km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=16.8km s-min=5.8km az=84.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=1.3km s-min=3.6km az=-1.0.
IDC Error ellipse: s-maj=34.6km s-min=17.3km az=118.0.
VAO Error ellipse: s-maj=5.6km s-min=7.6km az=-1.0.
ISC I 25 10 24 37.8–2.0 22.55S–.07 67.69W–.06 174–15 40 1-6
GUC I 25 10 24 38.7–.80 22.55S 67.78W 182–7 4.0L ¶612084322
SCB I 25 10 24 39.6–1.3 22.52S 67.68W 144–19 3.7L,3.4W
ISC Event type se.
GUC Error ellipse: s-maj=3.9km s-min=6.9km az=-1.0.
SCB Event type se. Error ellipse: s-maj=10.4km s-min=5.6km az=0.0.
ISC I 26 16 12 04.5–.69 21.47S–.03 68.83W–.07 112–7 80 1-146
VAO I 26 16 12 05.4–.58 21.35S 68.67W 105–6 4.2b ¶610130720
NEIC I 26 16 12 05.0–1.9 21.48S–.05 69.0W–.10 118–11 4.0b,3.8L
GUC I 26 16 12 06.2–.67 21.44S 68.81W 98–4 3.8L,3.8L
IDC I 26 16 12 06.9–1.2 21.54S 68.38W 98–14 3.9,3.7b
ISC Event type se.
VAO Error ellipse: s-maj=5.3km s-min=7.6km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=15.3km s-min=7.7km az=85.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=1.4km s-min=3.4km az=-1.0.
IDC Error ellipse: s-maj=43.7km s-min=17.3km az=114.0.
ISC I 26 19 11 01.9–.59 22.38S–.03 67.59W–.03 179–6 4.1b 224 1-154
SJA I 26 19 11 00.2–.68 22.35S 67.55W 195–4 4.4L,4.0W ¶610235410
IDC I 26 19 11 01.5–.81 22.41S 67.38W 162–9 4.2,3.6b
VAO I 26 19 11 02.6–.56 22.27S 67.46W 172–7 4.3b,3.6b
GUC I 26 19 11 02.5–.70 22.33S 67.86W 213–7 4.6L,3.6b
NEIC I 26 19 11 02.4–.88 22.38S–.08 67.6W–.10 172–8 4.6L,4.2b
SCB I 26 19 11 03.2–1.3 22.38S 67.78W 184–17 4.4L,3.6W
ISC Event type se.
SJA Error ellipse: s-maj=1.9km s-min=1.7km az=-1.0.
IDC Error ellipse: s-maj=17.4km s-min=14.7km az=131.0.
VAO Error ellipse: s-maj=6.8km s-min=6.7km az=-1.0.
GUC Error ellipse: s-maj=2.5km s-min=7.5km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=16.5km s-min=11.0km az=102.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SCB Event type se. Error ellipse: s-maj=12.1km s-min=10.2km az=2.0.
ISC I 28 03 25 37.2–.59 20.28S–.02 68.88W–.05 117–6 4.4b 180 1-77
SJA I 28 03 25 36.6–.66 20.26S 68.91W 124–3 4.2L,4.0W ¶610235532
VAO I 28 03 25 38.5–1.1 20.10S 68.72W 110–6 4.2b,4.0W
NEIC I 28 03 25 38.4–1.8 20.30S–.05 68.95W–.07 120–9 4.1L,4.1b
GUC I 28 03 25 39.0–.80 20.26S 68.86W 109–4 4.1L,4.1b
IDC I 28 03 25 40.0–1.1 20.28S 68.58W 127–12 4.2,3.8b
ISC Event type se.
SJA Error ellipse: s-maj=1.3km s-min=3.8km az=-1.0.
VAO Error ellipse: s-maj=4.1km s-min=8.6km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=7.0km az=123.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=1.3km s-min=3.7km az=-1.0.
IDC Error ellipse: s-maj=34.1km s-min=9.4km az=99.0.
ISC I 29 01 03 54.4–.91 21.13S–.05 67.61W–.05 187–8 47 2-145
GUC I 29 01 03 55.8–.83 21.14S 67.66W 191–10 3.4L ¶610235605
SCB I 29 01 03 56.2–1.2 21.14S 67.63W 162–24 3.3L,2.8W
IDC I 29 01 03 57.8–6.7 20.86S 67.18W 206–48 3.7,3.2b
ISC Event type se.
GUC Error ellipse: s-maj=2.8km s-min=8.1km az=-1.0.
SCB Event type se. Error ellipse: s-maj=5.6km s-min=5.5km az=0.0.
IDC Error ellipse: s-maj=74.5km s-min=25.4km az=14.0.
ISC I 29 10 20 15.5–2.1 22.49S–.07 67.70W–.05 159–17 36 1-6
GUC I 29 10 20 16.3–.85 22.45S 67.87W 180–7 3.6L ¶612084382
SCB I 29 10 20 17.4–1.4 22.45S 67.70W 108–36 3.3L,3.1W
ISC Event type se.
GUC Error ellipse: s-maj=3.5km s-min=6.7km az=-1.0.
SCB Event type se. Error ellipse: s-maj=10.0km s-min=5.3km az=0.0.
ISC I 29 18 07 51.1–.98 21.61S–.05 68.31W–.08 116–10 30 1-91
IDC I 29 18 07 51.8–1.1 21.60S 68.35W 112–16 3.7,3.3b ¶610235664
GUC I 29 18 07 53.0–.58 21.72S 68.55W 129–4 3.5L,3.3b
ISC Event type ke.
IDC Error ellipse: s-maj=46.8km s-min=22.1km az=116.0.
GUC Error ellipse: s-maj=1.8km s-min=4.7km az=-1.0.
ISC I 31 05 13 07.0–.64 22.33S–.05 67.19W–.05 192–7 3.9b 113 2-145
IDC I 31 05 13 07.1–.97 22.34S 67.03W 180–9 3.9,3.5b ¶610235777
GUC I 31 05 13 07.6–.69 22.34S 67.45W 229–9 4.4L,3.5b
NEIC I 31 05 13 07.2–1.3 22.39S–.07 67.3W–.10 226–14 4.4L,4.1b
VAO I 31 05 13 07.7–.45 22.05S 67.21W 190–6 4.0b,4.1b
SCB I 31 05 13 09.4–.99 22.31S 67.21W 162–12 3.8L,3.4W
ISC Event type se.
IDC Error ellipse: s-maj=21.2km s-min=15.8km az=161.0.
GUC Error ellipse: s-maj=4.1km s-min=8.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=17.0km s-min=10.4km az=94.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Error ellipse: s-maj=4.0km s-min=5.8km az=-1.0.
SCB Event type se. Error ellipse: s-maj=6.8km s-min=5.3km az=0.0.
ISC II 01 22 15 51.5–1.0 21.51S–.04 68.08W–.06 147–10 54 1-145
GUC II 01 22 15 51.8–.67 21.54S 68.05W 147–5 3.4L ¶610414629
SCB II 01 22 15 51.0–.96 21.49S 68.07W 144–12 3.4L,3.0W
IDC II 01 22 16 01.8–9.2 20.70S 67.52W 204–74 3.7,3.5b
ISC Event type se.
GUC Error ellipse: s-maj=1.5km s-min=4.1km az=-1.0.
SCB Event type se. Error ellipse: s-maj=5.2km s-min=3.4km az=1.0.
IDC Error ellipse: s-maj=102.1km s-min=90.6km az=40.0.
ISC II 03 04 01 01.0–1.1 22.25S–.04 67.8W–.10 204–15 54 1-15
VAO II 03 04 00 53.6–1.0 21.58S 68.50W 270 3.4b ¶612084607
GUC II 03 04 01 01.4–.62 22.24S 67.88W 212–8 3.7L
SCB II 03 04 01 02.4–1.2 22.31S 67.58W 142–14 3.5L,3.2W
ISC Event type se.
VAO Error ellipse: s-maj=10.2km s-min=9.6km az=-1.0.
GUC Error ellipse: s-maj=2.7km s-min=8.3km az=-1.0.
SCB Event type se. Error ellipse: s-maj=6.4km s-min=3.6km az=0.0.
ISC II 05 18 58 33.8–.55 21.23S–.03 68.72W–.05 128–6 4.5b 167 1-170
SJA II 05 18 58 32.6–.74 21.22S 68.78W 143–4 4.5L,4.2W ¶610197617
NEIC II 05 18 58 34.2–3.0 21.20S–.05 68.92W–.05 131–7 4.6b,4.3
VAO II 05 18 58 35.1–.34 21.23S 68.70W 133 4.7b,4.3
GUC II 05 18 58 35.5–.66 21.20S 68.72W 124–4 4.6L,4.3
IDC II 05 18 58 35.3–.94 21.19S 68.49W 119–11 4.4,4.1b
ISC Event type se.
SJA Error ellipse: s-maj=1.5km s-min=4.0km az=-1.0. Hypocentre not reviewed by the ISC.
NEIC Event type se. Error ellipse: s-maj=7.4km s-min=6.7km az=161.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Error ellipse: s-maj=2.5km s-min=4.1km az=-1.0.
GUC Error ellipse: s-maj=1.2km s-min=3.5km az=-1.0.
IDC Error ellipse: s-maj=18.2km s-min=14.8km az=121.0.
ISC II 06 08 03 07.7–.30 20.90S–.03 68.93W–.04 97–2 4.8b 535 1-170
SJA II 06 08 03 06.4–.78 20.95S 69.08W 121–5 4.8L,4.7W ¶610197738
NEIC II 06 08 03 07.6–2.2 20.90S–.02 69.00W–.05 95–4 4.9b,4.8
IDC II 06 08 03 08.9–.42 20.89S 68.78W 101–4 4.7,4.3b
VAO II 06 08 03 08.4–.30 20.83S 68.76W 93 5.2b,4.3b
GUC II 06 08 03 09.1–.70 20.94S 69.01W 95–4 4.7L,4.3b
GCMT II 06 08 03 12.6–.30 20.97S–.02 69.19W–.02 112–5 4.8W,4.3b
ISC Event type se.
ISC Hypocentre not reviewed by the ISC.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment Tensor Solution. s18,c18; s92,c115;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.42 $M_{\theta\theta}$0.11 $M_{\phi\phi}$0.31 $M_{r\theta}$0.49 $M_{\theta\phi}$-0.44 $M_{\phi r}$-1.79 NP1:ϕ_s344.39000°,δ82.92000°,λ-80.44000°. NP2:ϕ_s110.56000°,δ11.88000°,λ-143.24000°. Principal axes: T 1.9943,Plg37.0000°,Azm66.0000°; N -0.1102,Plg9.0000°,Azm163.0000°; P -1.8841,Plg51.0000°,Azm265.0000° $M_0$1.94000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s18,c18; s92,c115;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.60±.10 $M_{\theta\theta}$0.40±.13; $M_{\phi\phi}$0.19±.18; $M_{r\theta}$0.51±.05; $M_{\theta\phi}$0.23±.10; $M_{\phi r}$-2.11±.07; Best double couple: NP1:ϕ_s348.00000°,δ85.00000°,λ-94.00000°. NP2:ϕ_s212.00000°,δ6.00000°,λ-46.00000°. Principal axes: T 1.9630,Plg40.0000°,Azm82.0000°; N 0.4860,Plg4.0000°,Azm349.0000°; P -2.4490,Plg49.0000°,Azm253.0000° $M_0$2.20600×10^{16}
ISC II 08 17 10 33.3–.63 21.21S–.04 67.88W–.05 163–7 3.7b 118 1-145
IDC II 08 17 10 32.9–.79 21.29S 67.68W 157–9 3.9,3.7s ¶610415134
SJA II 08 17 10 32.0–.62 21.33S 67.79W 188–7 3.7L,3.6W
NEIC II 08 17 10 33.9–1.0 21.25S–.05 68.1W–.20 182–14 4.1b,4.0L
GUC II 08 17 10 34.9–.56 21.23S 67.99W 170–7 4.0L,4.0L
SCB II 08 17 10 34.6–1.2 21.29S 67.91W 151–11 3.8L,3.5W
VAO II 08 17 10 36.4–.39 21.13S 67.57W 146 4.1b,3.5W
ISC Event type se.
IDC Error ellipse: s-maj=19.7km s-min=11.0km az=110.0.
SJA Error ellipse: s-maj=2.5km s-min=3.8km az=-1.0. Hypocentre not reviewed by the ISC.
NEIC Event type se. Error ellipse: s-maj=21.8km s-min=7.7km az=85.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=1.7km s-min=5.2km az=-1.0.
SCB Event type se. Error ellipse: s-maj=4.5km s-min=3.2km az=0.0.
VAO Error ellipse: s-maj=3.8km s-min=4.3km az=-1.0.
ISC II 09 04 33 07.5–1.1 21.84S–.07 68.5W–.10 138–14 25 1-24
VAO II 09 04 33 11.6–2.0 22.50S 67.70W 171 3.9b ¶612084962
GUC II 09 04 33 11.5–.77 21.79S 68.55W 109–6 3.0L
ISC Event type ke.
VAO Error ellipse: s-maj=6.8km s-min=21.0km az=-1.0.
GUC Error ellipse: s-maj=2.8km s-min=5.5km az=-1.0.
SCB II 11 03 06 05.9–1.1 21.79S 67.37W 158–11 3.8W,3.3L
¶615316826
SCB Event type se. Error ellipse: s-maj=5.7km s-min=2.9km az=0.0.
GUC II 11 04 07 21.6–.48 21.34S 68.67W 118–3 3.0L
¶612085105
GUC Error ellipse: s-maj=1.2km s-min=3.0km az=-1.0.
ISC II 12 15 50 33.4–.71 21.17S–.04 67.48W–.04 181–7 3.8b 75 2-145
SJA II 12 15 50 30.9–1.6 21.13S 67.25W 170 3.6W,3.6L ¶610415387
IDC II 12 15 50 32.9–.92 21.17S 67.30W 168–10 4.0,3.6b
SCB II 12 15 50 33.7–1.4 21.28S 67.46W 178–11 3.7L,3.6b
GUC II 12 15 50 34.6–.77 21.20S 67.58W 194–7 3.8L,3.6b
ISC Event type se.
SJA Error ellipse: s-maj=5.0km s-min=10.0km az=-1.0. Hypocentre not reviewed by the ISC.
IDC Error ellipse: s-maj=22.0km s-min=12.7km az=124.0.
SCB Event type se. Error ellipse: s-maj=5.4km s-min=3.6km az=0.0.
GUC Error ellipse: s-maj=1.8km s-min=6.1km az=-1.0.
ISC II 14 02 19 34.0–2.0 21.39S–.05 67.45W–.05 183–18 46 2-5
SCB II 14 02 19 34.4–1.4 21.42S 67.43W 172–13 3.2L,3.0W ¶612085299

GUC II 14 02 19 34.8–.77 21.38S 67.57W 204–13 3.5L,3.0W
ISC Event type se.
SCB Event type se. Error ellipse: s-maj=5.2km s-min=3.5km az=0.0.
GUC Error ellipse: s-maj=2.3km s-min=10.2km az=-1.0.
ISC II 14 17 14 45.9–.87 19.99S–.04 68.90W–.08 125–7 3.5b 38 0-90
GUC II 14 17 14 46.9–.72 19.99S 68.86W 121–3 3.5L **¶610415515**
IDC II 14 17 14 46.6–1.0 20.04S 68.51W 124–12 3.7,3.5b
ISC Event type ke.
GUC Error ellipse: s-maj=1.4km s-min=3.6km az=-1.0.
IDC Error ellipse: s-maj=38.5km s-min=9.3km az=98.0.
ISC II 15 17 31 30.1–.51 21.70S–.03 68.37W–.06 139–5 3.7b 132 1-170
SJA II 15 17 31 28.8–.70 21.72S 68.47W 156–4 4.5L,4.1W **¶610216338**
VAO II 15 17 31 30.6–.48 21.61S 68.29W 132–5 4.5b,4.1W
NEIC II 15 17 31 30.6–1.0 21.70S–.01 68.35W–.09 134–8 4.5L,4.3b
GUC II 15 17 31 31.7–.74 21.71S 68.37W 129–5 4.5L,4.3b
IDC II 15 17 31 31.3–.46 21.97S 68.33W 142–5 4.0,3.6b
ISC Event type se.
SJA Error ellipse: s-maj=1.4km s-min=3.4km az=-1.0. Hypocentre not reviewed by the ISC.
VAO Error ellipse: s-maj=3.5km s-min=5.5km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=12.6km s-min=1.0km az=84.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=1.7km s-min=4.5km az=-1.0.
IDC Error ellipse: s-maj=18.7km s-min=14.9km az=150.0.
ISC II 16 05 12 23.3–1.9 22.06S–.05 67.26W–.05 186–17 43 2-6
SCB II 16 05 12 24.1–1.3 22.08S 67.24W 172–11 3.3L,3.0W **¶612085465**
GUC II 16 05 12 24.7–.59 22.03S 67.49W 214–10 3.5L,3.0W
ISC Event type se.
SCB Event type se. Error ellipse: s-maj=4.8km s-min=3.9km az=0.0.
GUC Error ellipse: s-maj=2.1km s-min=8.2km az=-1.0.
ISC II 16 06 34 59.1–.47 21.98S–.03 68.44W–.05 103–4 4.3b 199 1-170
SJA II 16 06 34 58.4–.69 21.94S 68.65W 132–5 4.4L,4.2W **¶610216969**
NEIC II 16 06 34 59.4 21.94S 68.41W 98 4.4L,4.2W
NEIC II 16 06 34 59.4–1.8 21.94S–.04 68.40W–.07 98–5 4.4b,4.2L
VAO II 16 06 34 59.7–.31 21.88S 68.39W 102 4.6b,4.2L
GUC II 16 06 35 00.6–.58 21.94S 68.58W 110–4 4.2L,4.2L
IDC II 16 06 35 00.2–.45 22.10S 68.50W 112–4 4.2,3.9b
ISC Event type se.
SJA Error ellipse: s-maj=1.8km s-min=3.8km az=-1.0. Hypocentre not reviewed by the ISC.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=5.0km az=81.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-2.34 $M_{\theta\theta}$-0.21 $M_{\phi\phi}$2.55 $M_{r\theta}$-0.10
$M_{\theta\phi}$-0.62 $M_{\phi r}$-1.08 NP1:ϕ_s159.10000°,δ34.37000°,λ-103.75000°. NP2:ϕ_s355.62000°
,δ56.75000°,λ-80.76000°. Principal axes: T 2.8872,Plg11.0000°,Azm79.0000°
; N -0.2998,Plg8.0000°,Azm171.0000°; P -2.5875,Plg76.0000°,Azm294.0000°
$M_0$2.75000×10^{15}
VAO Error ellipse: s-maj=2.5km s-min=3.5km az=-1.0.
GUC Error ellipse: s-maj=1.4km s-min=3.7km az=-1.0.
IDC Error ellipse: s-maj=15.3km s-min=12.8km az=107.0.
ISC II 16 23 45 10.4–.90 21.47S–.03 68.76W–.08 111–8 39 1-146
IDC II 16 23 44 53.9–2.5 22.45S 68.77W 0 3.7L,3.5 **¶610415654**
SJA II 16 23 45 09.0–.68 21.47S 68.80W 122–4 3.7W,3.5L
GUC II 16 23 45 10.5–.66 21.47S 68.72W 109–3 3.6L,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=66.9km s-min=37.7km az=26.0.
SJA Error ellipse: s-maj=1.3km s-min=3.9km az=-1.0. Hypocentre not reviewed by the ISC.
GUC Error ellipse: s-maj=1.2km s-min=3.4km az=-1.0.
ISC II 22 01 27 15.9–.66 20.66S–.03 68.79W–.07 113–8 49 1-153
SJA II 22 01 27 15.9–.77 20.65S 68.90W 119–4 3.9L,3.8W **¶610384782**
GUC II 22 01 27 17.7–.64 20.69S 68.79W 106–4 3.8L,3.8W
IDC II 22 01 27 18.7–1.6 20.64S 68.50W 116–15 3.8,3.4b
VAO II 22 01 27 20.0–.52 20.81S 68.33W 95–8 3.9b,3.4b
ISC Event type ke.
SJA Error ellipse: s-maj=1.5km s-min=5.1km az=-1.0. Hypocentre not reviewed by the ISC.
GUC Error ellipse: s-maj=1.3km s-min=3.9km az=-1.0.
IDC Error ellipse: s-maj=31.8km s-min=19.1km az=105.0.
VAO Error ellipse: s-maj=3.5km s-min=7.5km az=-1.0.
ISC II 22 12 25 30.0–2.1 21.89S–.06 67.28W–.05 188–17 38 2-5
SCB II 22 12 25 30.9–1.1 21.95S 67.25W 169–10 3.4L,3.3W **¶612085856**
GUC II 22 12 25 31.5–.65 21.85S 67.50W 210–8 3.6L,3.3W
ISC Event type se.
SCB Event type se. Error ellipse: s-maj=5.4km s-min=3.4km az=0.0.
GUC Error ellipse: s-maj=2.7km s-min=7.6km az=-1.0.
ISC II 26 05 18 18.8–.72 21.18S–.04 68.69W–.07 115–9 52 1-145
SJA II 26 05 18 17.7–2.5 21.18S 68.61W 100 3.9W,3.8L **¶610385034**
VAO II 26 05 18 17.2–1.1 21.55S 69.35W 165–6 4.0b,3.8L
GUC II 26 05 18 19.5–.66 21.24S 68.74W 118–4 3.8L,3.8L
IDC II 26 05 18 20.6–1.1 21.34S 68.20W 106–13 3.8,3.4b
ISC Event type ke.
SJA Error ellipse: s-maj=4.7km s-min=9.6km az=-1.0. Hypocentre not reviewed by the ISC.
VAO Error ellipse: s-maj=6.6km s-min=15.5km az=-1.0.
GUC Error ellipse: s-maj=1.3km s-min=3.7km az=-1.0.
IDC Error ellipse: s-maj=35.3km s-min=13.5km az=121.0.
ISC III 01 12 08 09.7–.77 21.17S–.04 68.53W–.08 124–11 45 1-26
SJA III 01 12 08 09.9–1.5 21.14S 68.47W 100 3.8W,3.7L **¶612086374**
VAO III 01 12 08 10.2–.44 21.02S 68.47W 87 3.9b,3.7L
GUC III 01 12 08 10.9–.79 21.19S 68.56W 124–6 3.7L,3.7L
ISC Event type ke.
SJA Error ellipse: s-maj=3.3km s-min=5.0km az=-1.0. Hypocentre not reviewed by the ISC.
VAO Error ellipse: s-maj=4.9km s-min=5.0km az=-1.0.
GUC Error ellipse: s-maj=1.7km s-min=5.5km az=-1.0.
ISC III 03 11 53 14.6–1.1 21.84S–.05 68.6W–.10 120–10 28 1-146
IDC III 03 11 53 01.7–19 21.28S 68.27W 0 3.7,3.7b **¶610545454**
SJA III 03 11 53 14.4–1.2 21.81S 68.55W 100 3.8L,3.5W
GUC III 03 11 53 14.9–.60 21.85S 68.57W 116–4 3.7L,3.5W
ISC Event type ke.
IDC Error ellipse: s-maj=821.5km s-min=66.4km az=19.0.
SJA Error ellipse: s-maj=2.9km s-min=3.4km az=-1.0. Hypocentre not reviewed by the ISC.
GUC Error ellipse: s-maj=1.6km s-min=4.1km az=-1.0.
ISC III 05 13 42 17.8–.57 21.84S–.03 68.32W–.05 113–5 4.6b 246 1-170
IDC III 05 13 42 17.6–.85 21.80S 68.25W 103–9 4.3,4.0b **¶610245390**
SJA III 05 13 42 18.1–1.2 21.80S 68.36W 100 4.0W,4.0L
NEIC III 05 13 42 18.1–1.9 21.86S–.05 68.28W–.08 108–7 4.7b,4.3L
GUC III 05 13 42 19.3–.61 21.86S 68.43W 118–4 4.3L,4.3L
VAO III 05 13 42 20.0–.31 21.86S 68.23W 111 4.6b,4.3L
ISC Event type se.
IDC Error ellipse: s-maj=17.8km s-min=15.5km az=176.0.
SJA Error ellipse: s-maj=2.9km s-min=4.4km az=-1.0. Hypocentre not reviewed by the ISC.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=7.4km az=78.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=1.5km s-min=3.7km az=-1.0.
VAO Error ellipse: s-maj=2.6km s-min=3.5km az=-1.0.
ISC III 05 23 39 49.4–.67 21.56S–.04 68.53W–.08 142–8 56 1-145
VAO III 05 23 39 47.2–.78 21.68S 69.28W 184 3.9b **¶610545617**
IDC III 05 23 39 47.9–9.3 21.76S 68.20W 121–63 3.7,3.3b
SJA III 05 23 39 48.3–1.3 21.55S 68.31W 100 3.8L,3.6W
GUC III 05 23 39 50.3–.72 21.56S 68.44W 135–5 3.9L,3.6W
ISC Event type ke.
VAO Error ellipse: s-maj=5.1km s-min=9.1km az=-1.0.
IDC Error ellipse: s-maj=85.8km s-min=36.7km az=34.0.
SJA Error ellipse: s-maj=4.6km s-min=4.9km az=-1.0. Hypocentre not reviewed by the ISC.
GUC Error ellipse: s-maj=1.5km s-min=4.4km az=-1.0.
ISC III 07 07 19 18.0–.50 20.34S–.03 68.98W–.06 121–4 4.1b 104 0-145
SJA III 07 07 19 17.5–.76 20.35S 68.97W 125–4 4.1L,3.9W **¶610545712**
NEIC III 07 07 19 17.8–1.8 20.33S–.06 69.03W–.09 126–7 4.1b,4.0L
IDC III 07 07 19 19.1–.82 20.35S 68.70W 123–6 4.1,3.7b
GUC III 07 07 19 19.2–.67 20.33S 68.91W 116–3 4.0L,3.7b
VAO III 07 07 19 21.1–.44 20.25S 68.81W 131 4.2b,3.7b
ISC Event type se.
SJA Error ellipse: s-maj=1.6km s-min=4.2km az=-1.0. Hypocentre not reviewed by the ISC.
NEIC Event type se. Error ellipse: s-maj=12.3km s-min=9.0km az=85.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=25.3km s-min=8.7km az=99.0.
GUC Error ellipse: s-maj=1.4km s-min=3.8km az=-1.0.
VAO Error ellipse: s-maj=3.0km s-min=5.2km az=-1.0.
ISC III 10 11 46 02.6–.68 22.65S–.04 67.76W–.05 189–8 104 1-29
NEIC III 10 11 46 01.1–2.3 22.64S–.07 67.4W–.20 184–12 4.4b,3.9L **¶610321341**
VAO III 10 11 46 03.7–.63 23.02S 67.82W 187 3.9b,3.9L
SCB III 10 11 46 04.6–1.3 22.49S 67.77W 182–11 4.0L,3.7W
SJA III 10 11 46 05.4–.63 22.61S 67.74W 165–6 3.8L,3.7W
GUC III 10 11 46 07.6–.77 22.57S 67.87W 166–7 4.0L,3.7W
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.7km s-min=10.3km az=83.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Error ellipse: s-maj=6.8km s-min=6.0km az=-1.0.
SCB Event type se. Error ellipse: s-maj=5.4km s-min=4.0km az=0.0.
SJA Error ellipse: s-maj=2.2km s-min=2.3km az=-1.0. Hypocentre not reviewed by the ISC.
GUC Error ellipse: s-maj=3.3km s-min=6.7km az=-1.0.
ISC III 13 11 08 03.7–2.0 21.75S–.05 67.25W–.05 197–16 42 2-5
GUC III 13 11 08 04.9–.55 21.74S 67.38W 215–7 3.5L **¶612087164**
SCB III 13 11 08 05.2–1.3 21.76S 67.23W 178–11 3.8L,3.4W
ISC Event type se.
GUC Error ellipse: s-maj=1.9km s-min=7.0km az=-1.0.
SCB Event type se. Error ellipse: s-maj=5.7km s-min=4.0km az=0.0.
ISC III 13 21 26 38.5–.93 21.15S–.03 68.62W–.08 125–9 44 1-145
GUC III 13 21 26 38.9–.71 21.18S 68.57W 123–4 3.4L **¶610546163**
IDC III 13 21 26 38.5–.91 21.20S 68.20W 109–15 3.8,3.8b
ISC Event type ke.
GUC Error ellipse: s-maj=1.1km s-min=4.0km az=-1.0.
IDC Error ellipse: s-maj=42.2km s-min=10.4km az=102.0.
ISC III 14 12 16 30.0–.93 21.49S–.04 68.14W–.08 132–10 38 1-145
IDC III 14 12 16 29.7–.99 21.59S 67.81W 119–13 3.9,3.7b **¶610546202**
GUC III 14 12 16 31.0–.64 21.57S 68.29W 147–5 3.8L,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=38.5km s-min=15.4km az=131.0.
GUC Error ellipse: s-maj=1.5km s-min=5.1km az=-1.0.
ISC III 16 04 12 05.4–.53 21.45S–.03 68.26W–.05 115–5 4.5b 219 1-153
IDC III 16 04 12 05.7–.83 21.47S 68.24W 117–9 4.4,3.9b **¶610329815**
SJA III 16 04 12 05.3–1.3 21.51S 68.37W 100 4.3L,4.1W
VAO III 16 04 12 05.7–.37 21.37S 68.24W 108–4 4.5b,4.1W
NEIC III 16 04 12 05.9 21.49S 68.31W 116 4.5b,4.1W
NEIC III 16 04 12 05.9–1.9 21.50S–.05 68.32W–.07 115–5 4.6,4.5
GUC III 16 04 12 06.0–.83 21.52S 68.39W 123–6 4.5L,4.5
ISC Event type se.
IDC Error ellipse: s-maj=17.0km s-min=14.5km az=119.0.
SJA Error ellipse: s-maj=4.7km s-min=6.9km az=-1.0. Hypocentre not reviewed by the ISC.
VAO Error ellipse: s-maj=2.4km s-min=3.3km az=-1.0.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=6.6km az=81.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-5.83 $M_{\theta\theta}$-0.10 $M_{\phi\phi}$5.92 $M_{r\theta}$0.98
$M_{\theta\phi}$-1.50 $M_{\phi r}$-5.00 NP1:ϕ_s165.19000°,δ24.98000°,λ-92.72000°. NP2:ϕ_s348.19000°
,δ65.05000°,λ-88.73000°. Principal axes: T 8.1325,Plg20.0000°,Azm77.0000°
; N -0.4462,Plg1.0000°,Azm168.0000°; P -7.6863,Plg70.0000°,Azm261.0000°
$M_0$7.92000×10^{15}
GUC Error ellipse: s-maj=1.8km s-min=5.5km az=-1.0.
ISC III 17 06 10 55.6–.47 22.25S–.04 67.62W–.04 164–4 4.7b 297 1-169
SJA III 17 06 10 54.8–1.6 22.24S 67.67W 150 4.7L,4.5W **¶610331524**
NEIC III 17 06 10 55.5–1.7 22.28S–.06 67.51W–.09 157–6 4.8,4.7b
IDC III 17 06 10 55.4–.69 22.25S 67.47W 157–6 4.8,4.3b
SCB III 17 06 10 56.6–1.3 22.28S 67.67W 156–12 5.1L,4.5W
VAO III 17 06 10 56.4–.23 22.15S 67.56W 160 4.9b,4.5W
GUC III 17 06 10 57.3–.76 22.32S 67.76W 175–7 5.1L,4.5W
ISC Event type se.
SJA Error ellipse: s-maj=6.2km s-min=6.8km az=-1.0. Hypocentre not reviewed by the ISC.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=8.5km az=80.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=13.5km s-min=10.7km az=33.0.
SCB Event type se. Error ellipse: s-maj=4.4km s-min=3.4km az=0.0.
VAO Error ellipse: s-maj=2.2km s-min=2.6km az=-1.0.
GUC Error ellipse: s-maj=3.6km s-min=8.0km az=-1.0.
ISC III 17 18 26 16.6–1.0 21.20S–.03 68.78W–.09 114–10 33 1-145
GUC III 17 18 26 17.5–.58 21.22S 68.74W 105–3 3.6L **¶610546404**
IDC III 17 18 26 27.5–8.8 20.43S 68.10W 176–75 3.8,3.3b
ISC Event type ke.
GUC Error ellipse: s-maj=1.0km s-min=3.0km az=-1.0.
IDC Error ellipse: s-maj=123.9km s-min=90.3km az=96.0.
SCB III 18 08 59 45.5–.84 21.38S 67.88W 161–9 4.0W,2.7L
¶615317110
SCB Event type se. Error ellipse: s-maj=3.7km s-min=2.8km az=1.0.
ISC III 18 22 26 45.7–.45 20.27S–.03 68.64W–.05 115–4 4.6b 326 1-169
NEIC III 18 22 26 45.8–1.6 20.31S–.04 68.65W–.07 116–5 4.7b,4.6L **¶610345826**
SJA III 18 22 26 45.9–1.0 20.29S 68.79W 122–6 4.8W,4.5L
NEIC III 18 22 26 45.7 20.31S 68.63W 115 4.8W,4.5L
IDC III 18 22 26 46.5–.43 20.26S 68.54W 121–4 4.5,4.1b
VAO III 18 22 26 46.8–.30 20.16S 68.63W 115 4.7b,4.1b
GUC III 18 22 26 47.0–.75 20.29S 68.72W 117–4 4.6L,4.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=6.1km az=97.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-4.68 $M_{\theta\theta}$-1.91 $M_{\phi\phi}$6.59 $M_{r\theta}$2.43
$M_{\theta\phi}$-0.70 $M_{\phi r}$-1.69 NP1:ϕ_s330.51000°,δ60.11000°,λ-121.96000°. NP2:ϕ_s201.90000°
,δ42.65000°,λ-47.36000°. Principal axes: T 6.9724,Plg10.0000°,Azm83.0000°
; N -0.7771,Plg27.0000°,Azm348.0000°; P -6.1953,Plg61.0000°,Azm191.0000°
$M_0$6.62000×10^{15}
SJA Error ellipse: s-maj=2.3km s-min=7.2km az=-1.0. Hypocentre not reviewed by the ISC.
NEIC Event type se.
IDC Error ellipse: s-maj=14.6km s-min=7.0km az=94.0.
VAO Error ellipse: s-maj=2.4km s-min=3.5km az=-1.0.
GUC Error ellipse: s-maj=1.6km s-min=4.7km az=-1.0.
ISC III 19 01 55 35.5–.71 21.34S–.04 67.86W–.06 180–7 117 1-169
IDC III 19 01 55 36.0–.95 21.36S 67.49W 150–12 3.9,3.4b **¶610345951**
NEIC III 19 01 55 36.1–2.2 21.36S–.04 68.0W–.10 195–12 4.1b,3.8L
SJA III 19 01 55 37.4–1.1 21.30S 67.81W 150 3.8L,3.7W
SCB III 19 01 55 37.5–1.4 21.37S 67.89W 161–15 3.9L,3.3W
GUC III 19 01 55 37.8–.62 21.32S 68.06W 189–5 3.8L,3.3W
ISC Event type se.
IDC Error ellipse: s-maj=25.7km s-min=11.1km az=115.0.
NEIC Event type se. Error ellipse: s-maj=17.9km s-min=6.3km az=92.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SJA Error ellipse: s-maj=3.1km s-min=3.7km az=-1.0. Hypocentre not reviewed by the ISC.
SCB Event type se. Error ellipse: s-maj=5.7km s-min=4.2km az=1.0.
GUC Error ellipse: s-maj=1.5km s-min=5.9km az=-1.0.
ISC III 21 15 01 58.9–.29 21.62S–.03 68.29W–.04 121–2 5.1b 659 1-170
NEIC III 21 15 01 59.2–1.6 21.58S–.05 68.46W–.07 125–5 5.1,5.1b **¶610401463**
IDC III 21 15 01 59.9–.33 21.74S 68.36W 129–3 4.9,4.6b
GUC III 21 15 01 59.6–.73 21.62S 68.48W 127–4 5.1L,4.6b
VAO III 21 15 01 59.5–.29 21.53S 68.31W 122 5.4b,4.6b
SJA III 21 15 01 59.4–1.6 21.60S 68.40W 100 5.0L,4.7W
NEIC III 21 15 01 59.2 21.60S 68.73W 150 5.0L,4.7W
NEIC III 21 15 01 59.2 21.60S 68.51W 150 5.0L,4.7W
MOS III 21 15 02 00.1–2.1 21.55S 68.27W 136 5.0b,4.7W
GCMT III 21 15 02 04.2–.30 21.68S–.02 68.70W–.02 145–3 5.0W,4.7W

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC Hypocentre not reviewed by the ISC.
NEIC Event type se. Moment Tensor Solution.Duration: 1s6 Moment tensor: Scale 10^{16}Nm; M_{rr}1.53 $M_{\theta\theta}$0.41 $M_{\phi\phi}$-1.94 $M_{r\theta}$-0.95 $M_{\theta\phi}$0.85 $M_{\phi r}$-4.97 NP1:ϕ_s189.10000°,δ81.40000°,λ102.62000°. NP2:ϕ_s312.86000°,δ15.23000°,λ34.71000°. Principal axes: T 5.3776,Plg52.0000°,Azm114.0000°; N 0.0948,Plg12.0000°,Azm7.0000°; P -5.4724,Plg35.0000°,Azm268.0000° $M_0$5.42000×10^{16}
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s31,c34; s92,c121;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.46±.13 $M_{\theta\theta}$1.11±.19; $M_{\phi\phi}$-1.57±.22; $M_{r\theta}$-0.82±.09; $M_{\theta\phi}$0.87±.19; $M_{\phi r}$-3.43±.12; Best double couple: NP1:ϕ_s196.00000°,δ85.00000°,λ112.00000°. NP2:ϕ_s298.00000°,δ22.00000°,λ13.00000°. Principal axes: T 3.5850,Plg46.0000°,Azm128.0000°; N 0.5520,Plg22.0000°,Azm14.0000°; P -4.1420,Plg36.0000°,Azm267.0000° $M_0$3.86400×10^{16}
ISC III 22 21 29 11.9–.68 21.06S–.04 67.36W–.04 184–7 3.7b 107 2-144
SJA III 22 21 29 11.7–1.9 21.06S 67.28W 175 3.7L,3.5W **¶610543493**
IDC III 22 21 29 11.2–1.1 21.07S 67.20W 176–11 3.7,3.1b
NEIC III 22 21 29 12.9–1.6 21.12S–.07 67.6W–.10 200–10 4.0b,3.6L
SCB III 22 21 29 12.6–1.2 21.12S 67.40W 178–9 3.7W,3.6L
GUC III 22 21 29 12.8–.77 21.09S 67.51W 205–11 3.8L,3.6L
ISC Event type se.
SJA Error ellipse: s-maj=5.5km s-min=5.0km az=-1.0. Hypocentre not reviewed by the ISC.
IDC Error ellipse: s-maj=25.3km s-min=12.1km az=110.0.
NEIC Event type se. Error ellipse: s-maj=14.9km s-min=8.3km az=115.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SCB Event type se. Error ellipse: s-maj=3.9km s-min=2.9km az=0.0.
GUC Error ellipse: s-maj=3.3km s-min=9.7km az=-1.0.
ISC III 24 15 14 27.9–.61 21.48S–.04 67.70W–.05 165–7 4.4b 121 1-145
NEIC III 24 15 14 27.9–1.9 21.52S–.06 67.74W–.06 182–11 4.3b,4.1L **¶610543606**
IDC III 24 15 14 28.4–1.3 21.44S 67.50W 146–14 4.1,3.6b
SJA III 24 15 14 28.3–1.7 21.46S 67.58W 150 4.2L,3.9W
SCB III 24 15 14 29.1–1.3 21.50S 67.72W 156–16 4.2L,3.5W
VAO III 24 15 14 29.0–.52 21.08S 67.73W 124 4.2b,3.5W
GUC III 24 15 14 30.1–.67 21.45S 67.78W 170–7 3.9L,3.5W
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=3.5km az=138.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=25.4km s-min=17.0km az=170.0.
SJA Error ellipse: s-maj=3.9km s-min=10.1km az=-1.0. Hypocentre not reviewed by the ISC.
SCB Event type se. Error ellipse: s-maj=6.5km s-min=4.2km az=1.0.
VAO Error ellipse: s-maj=4.6km s-min=5.5km az=-1.0.
GUC Error ellipse: s-maj=2.2km s-min=5.9km az=-1.0.
ISC III 27 16 24 51.9–1.8 21.91S–.05 67.24W–.05 203–14 56 2-6
SCB III 27 16 24 53.5–1.3 21.90S 67.24W 178–10 3.5L,3.0W **¶612088133**
GUC III 27 16 24 53.5–.71 21.91S 67.48W 221–7 3.8L,3.0W
ISC Event type se.
SCB Event type se. Error ellipse: s-maj=4.4km s-min=3.1km az=0.0.
GUC Error ellipse: s-maj=3.1km s-min=7.2km az=-1.0.
ISC III 27 21 39 36.9–.58 20.50S–.03 68.90W–.06 107–5 4.0b 90 0-145
SJA III 27 21 39 35.7–.74 20.49S 68.87W 116–4 4.0L,3.9W **¶610437094**
IDC III 27 21 39 37.2–.89 20.56S 68.73W 110–7 4.1,3.8b
NEIC III 27 21 39 37.9–1.3 20.52S–.03 68.93W–.08 106–5 4.1L,3.9b
VAO III 27 21 39 38.8–.77 20.54S 69.04W 119 4.5b,3.9b
GUC III 27 21 39 38.3–.73 20.51S 68.92W 107–3 4.1L,3.9b
ISC Event type se.
SJA Error ellipse: s-maj=1.8km s-min=6.2km az=-1.0. Hypocentre not reviewed by the ISC.
IDC Error ellipse: s-maj=29.0km s-min=8.8km az=100.0.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=2.4km az=110.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Error ellipse: s-maj=4.7km s-min=9.1km az=-1.0.
GUC Error ellipse: s-maj=1.3km s-min=3.6km az=-1.0.
ISC III 29 00 19 37.3–.57 19.55S–.03 68.85W–.06 128–6 4.5b 141 1-169
SJA III 29 00 19 37.1–1.2 19.61S 68.96W 130–12 3.8W,3.8L **¶610441403**
IDC III 29 00 19 38.1–.95 19.61S 68.59W 126–9 4.3,3.9b
NEIC III 29 00 19 38.0–1.5 19.56S–.04 68.88W–.08 128–2 4.4b,4.0L
GUC III 29 00 19 38.8–.52 19.54S 68.86W 127–2 4.0L,4.0L
VAO III 29 00 19 39.2–.38 19.33S 68.77W 130 4.2b,4.0L
ISC Event type se.
SJA Error ellipse: s-maj=4.8km s-min=8.3km az=-1.0. Hypocentre not reviewed by the ISC.
IDC Error ellipse: s-maj=22.0km s-min=8.5km az=99.0.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=5.9km az=88.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=1.1km s-min=3.3km az=-1.0.
VAO Error ellipse: s-maj=2.9km s-min=4.4km az=-1.0.
ISC III 29 09 39 32.9–.87 20.50S–.04 68.09W–.07 176–8 3.9b 60 1-144
SCB III 29 09 39 33.8–1.3 20.50S 68.09W 167–14 3.8L,3.6W **¶610543917**
IDC III 29 09 39 33.2–1.4 20.65S 67.80W 177–17 4.1,3.7b
SJA III 29 09 39 34.0–2.0 20.36S 67.86W 100 3.8L,3.6W
GUC III 29 09 39 34.5–.63 20.46S 68.08W 171–5 3.9L,3.6W
ISC Event type se.
SCB Event type se. Error ellipse: s-maj=7.6km s-min=5.0km az=1.0.
IDC Error ellipse: s-maj=29.1km s-min=21.1km az=136.0.
SJA Error ellipse: s-maj=7.0km s-min=7.1km az=-1.0. Hypocentre not reviewed by the ISC.
GUC Error ellipse: s-maj=1.5km s-min=5.6km az=-1.0.
ISC IV 03 22 57 51.1–.54 21.25S–.03 68.81W–.05 117–5 4.2b 170 1-170
SJA IV 03 22 57 50.8–1.7 21.25S 68.73W 100 4.1L,4.0W **¶610476785**
NEIC IV 03 22 57 51.8–1.1 21.22S–.04 68.88W–.07 115–4 4.3b,4.2L
VAO IV 03 22 57 51.5–.47 21.13S 68.88W 115 4.2b,4.2L
IDC IV 03 22 57 51.7–1.1 21.23S 68.56W 113–12 4.7s,3.9
GUC IV 03 22 57 52.0–.57 21.22S 68.81W 114–3 4.2L,3.9
ISC Event type se.
SJA Error ellipse: s-maj=3.4km s-min=8.1km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=5.2km az=92.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Error ellipse: s-maj=2.9km s-min=5.3km az=-1.0.
IDC Error ellipse: s-maj=23.6km s-min=15.3km az=116.0.
GUC Error ellipse: s-maj=1.3km s-min=3.9km az=-1.0.
ISC IV 06 07 21 39.5–.93 21.51S–.04 68.06W–.05 141–8 47 1-145
SCB IV 06 07 21 38.9–1.1 21.47S 68.04W 136–13 3.1W,3.1L **¶610652055**
GUC IV 06 07 21 39.8–.70 21.53S 68.08W 148–6 3.3L,3.1L
IDC IV 06 07 21 52.6–16 20.33S 67.28W 217–96 3.6,3.3b
ISC Event type se.
SCB Event type se. Error ellipse: s-maj=5.2km s-min=2.7km az=0.0.
GUC Error ellipse: s-maj=1.7km s-min=4.9km az=-1.0.
IDC Error ellipse: s-maj=258.8km s-min=48.9km az=19.0.
ISC IV 06 15 35 00.4–1.5 21.83S–.03 68.62W–.08 134–9 75 1-5
SJA IV 06 15 34 59.6–1.4 21.82S 68.38W 100 3.5W,3.5L **¶616344651**
GUC IV 06 15 35 01.5–.86 21.83S 68.52W 119–5 3.4L,3.5L
ISC Event type ke.
SJA Error ellipse: s-maj=3.0km s-min=6.1km az=-1.0.
GUC Error ellipse: s-maj=1.6km s-min=4.3km az=-1.0.
ISC IV 07 03 29 05.7–2.4 21.39S–.06 67.33W–.05 199–21 31 2-4
SCB IV 07 03 29 06.5–1.4 21.36S 67.34W 187–12 3.6W,3.1L **¶615317274**
ISC Event type se.
SCB Event type se. Error ellipse: s-maj=7.3km s-min=4.2km az=0.0.
ISC IV 07 15 10 31.9–1.0 21.22S–.04 67.49W–.05 198–9 62 2-145
IDC IV 07 15 10 01.0–2.6 23.31S 69.02W 0 4.4L,4.0 **¶615317275**
SJA IV 07 15 10 30.3–2.0 21.23S 67.25W 175 3.5W,3.2L
SCB IV 07 15 10 31.8–.83 21.21S 67.45W 184–8 3.5W,3.4L
ISC Event type se.
IDC Error ellipse: s-maj=144.5km s-min=63.9km az=92.0.
SJA Error ellipse: s-maj=6.4km s-min=11.0km az=-1.0.
SCB Event type se. Error ellipse: s-maj=3.0km s-min=2.1km az=1.0.

ISC IV 10 11 58 14.8–1.1 21.57S–.04 68.57W–.09 150 34 1-91
GUC IV 10 11 58 14.7–.67 21.57S 68.39W 135–4 3.5L **¶610652379**
IDC IV 10 11 58 29.2–33 20.38S 67.45W 222–193 3.5,3.2b
ISC Event type ke.
GUC Error ellipse: s-maj=1.3km s-min=4.1km az=-1.0.
IDC Error ellipse: s-maj=505.0km s-min=37.3km az=17.0.
ISC IV 11 06 09 07.6–1.5 21.17S–.03 67.61W–.03 186–12 78 2-5
SJA IV 11 06 09 08.7–1.5 21.11S 67.52W 150 3.8L,3.6W **¶615317322**
SCB IV 11 06 09 08.5–1.2 21.19S 67.61W 171–9 3.8L,3.4W
ISC Event type se.
SJA Error ellipse: s-maj=4.1km s-min=4.9km az=-1.0.
SCB Event type se. Error ellipse: s-maj=3.6km s-min=2.8km az=0.0.
ISC IV 11 12 09 55.9–.51 21.54S–.03 68.87W–.04 123–5 4.5b 200 0-170
NEIC IV 11 12 09 56.3–2.0 21.56S–.04 68.91W–.08 133–6 4.7b,4.4L **¶610526712**
SJA IV 11 12 09 56.9–.90 21.54S 68.92W 125–4 4.0W,4.0L
IDC IV 11 12 09 57.2–1.2 21.44S 68.59W 102–11 4.4s,4.2
VAO IV 11 12 09 58.6–.52 21.46S 68.61W 115–5 4.6b,4.2
GUC IV 11 12 09 58.3–.73 21.55S 68.83W 116–4 4.4L,4.2
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=5.8km az=88.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SJA Error ellipse: s-maj=2.1km s-min=4.0km az=-1.0.
IDC Error ellipse: s-maj=28.5km s-min=14.2km az=132.0.
VAO Error ellipse: s-maj=4.4km s-min=6.4km az=-1.0.
GUC Error ellipse: s-maj=1.3km s-min=3.9km az=-1.0.
ISC IV 15 09 34 39.5–.93 21.81S–.04 68.52W–.08 128–11 36 1-24
VAO IV 15 09 34 40.0–.58 21.64S 68.42W 108–11 4.2b **¶616087634**
GUC IV 15 09 34 41.1–.57 21.80S 68.48W 114–4 3.4L
ISC Event type ke.
VAO Error ellipse: s-maj=9.6km s-min=9.4km az=-1.0.
GUC Error ellipse: s-maj=1.3km s-min=3.2km az=-1.0.
ISC IV 17 01 55 53.7–.00 21.24S–.04 68.94W–.09 125–8 33 1-91
GUC IV 17 01 55 54.7–.70 21.25S 68.84W 115–4 3.4L **¶616344821**
IDC IV 17 01 56 21.8–5.7 18.19S 68.01W 282–29 3.4,2.8b
ISC Event type ke.
GUC Error ellipse: s-maj=1.3km s-min=3.8km az=-1.0.
IDC Error ellipse: s-maj=110.2km s-min=52.3km az=19.0.
ISC IV 17 21 25 20.6–.55 21.55S–.03 68.51W–.06 135–6 4.1b 172 1-145
SJA IV 17 21 25 19.7–1.8 21.54S 68.26W 100 4.1L,3.9W **¶610529589**
VAO IV 17 21 25 20.1–.29 21.51S 68.56W 133 4.1b,3.9W
NEIC IV 17 21 25 20.3–2.0 21.51S–.04 68.39W–.10 128–8 4.0b,4.0L
IDC IV 17 21 25 21.2–.74 21.53S 68.18W 117–11 4.0,4.0b
GUC IV 17 21 25 21.9–.65 21.50S 68.44W 123–4 4.1L,4.0b
ISC Event type se.
SJA Error ellipse: s-maj=4.8km s-min=8.0km az=-1.0.
VAO Error ellipse: s-maj=3.0km s-min=3.5km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=13.0km s-min=6.4km az=94.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=26.4km s-min=11.6km az=103.0.
GUC Error ellipse: s-maj=1.3km s-min=3.8km az=-1.0.
ISC IV 18 01 48 43.4–.29 21.75S–.03 68.35W–.04 119–2 5.2b 1003 1-177
BJI IV 18 01 48 42.1–.00 21.68S 68.67W 107 5.1b **¶610529598**
SJA IV 18 01 48 42.2–.83 21.80S 68.46W 134–5 4.8L,4.7W
VAO IV 18 01 48 42.6–.22 21.63S 68.25W 113 5.4b,4.7W
NEIC IV 18 01 48 43.2 21.77S 68.34W 111 5.4b,4.7W
NEIC IV 18 01 48 43.4–2.0 21.77S–.05 68.35W–.07 113–4 5.2b,5.0
IDC IV 18 01 48 43.6–.41 21.81S 68.36W 122–4 5.0,4.7b
GUC IV 18 01 48 43.6–.82 21.82S 68.41W 124–5 4.8L,4.7b
MOS IV 18 01 48 43.2–1.4 21.70S 68.30W 123 5.0b,4.7b
GCMT IV 18 01 48 48.4–.20 21.67S–.01 68.40W–.02 141–1 5.1W,4.7b
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s192.67563°,δ26.82462°,λ-66.79469°. NP2: ϕ_s347.01572°,δ65.49620°,λ-101.26861°. Principal axes: T Plg19.7393°,Azm85.4573°; N Plg10.2422°,Azm351.7399°; P Plg67.5618°,Azm235.7920°
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-2.95 $M_{\theta\theta}$0.21 $M_{\phi\phi}$2.74 $M_{r\theta}$0.61 $M_{\theta\phi}$-1.52 $M_{\phi r}$-1.34 NP1:ϕ_s154.47000°,δ32.63000°,λ-90.64000°. NP2:ϕ_s335.23000°,δ57.37000°,λ-89.59000°. Principal axes: T 3.7776,Plg12.0000°,Azm65.0000°; N -0.4993,Plg0.0000°,Azm155.0000°; P -3.2782,Plg78.0000°,Azm247.0000° $M_0$3.55000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s56,c60; s115,c164;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-4.08±.09 $M_{\theta\theta}$0.58±.11; $M_{\phi\phi}$3.50±.14; $M_{r\theta}$0.02±.09; $M_{\theta\phi}$-2.76±.11; $M_{\phi r}$-1.34±.12; Best double couple: NP1:ϕ_s340.00000°,δ53.00000°,λ-76.00000°. NP2:ϕ_s137.00000°,δ39.00000°,λ-108.00000°. Principal axes: T 5.3060,Plg7.0000°,Azm60.0000°; N -0.9490,Plg11.0000°,Azm151.0000°; P -4.3590,Plg77.0000°,Azm298.0000° $M_0$4.83300×10^{16}
ISC IV 19 04 01 49.9–.57 22.45S–.03 67.53W–.04 175–6 4.1b 220 1-146
IDC IV 19 04 01 49.2–.88 22.36S 67.27W 152–10 4.0,3.5b **¶610532782**
NEIC IV 19 04 01 50.3–1.7 22.43S–.05 67.7W–.10 195–7 4.3L,4.2b
VAO IV 19 04 01 50.4–.28 22.37S 67.53W 174 4.1b,4.2b
GUC IV 19 04 01 50.5–.62 22.43S 67.73W 200–6 4.3L,4.2b
SCB IV 19 04 01 51.3–1.4 22.46S 67.53W 146–17 4.2L,4.2b
SJA IV 19 04 01 51.2–.50 22.38S 67.51W 150 4.0L,3.8W
ISC Event type se.
IDC Error ellipse: s-maj=18.1km s-min=11.3km az=118.0.
NEIC Event type se. Error ellipse: s-maj=15.1km s-min=6.3km az=105.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Error ellipse: s-maj=2.6km s-min=3.1km az=-1.0.
GUC Error ellipse: s-maj=2.1km s-min=6.1km az=-1.0.
SCB Event type se. Error ellipse: s-maj=5.4km s-min=3.6km az=0.0.
SJA Error ellipse: s-maj=11.5km s-min=4.5km az=-1.0.
GUC IV 23 16 15 14.3–.92 20.84S 68.87W 102–6 2.9L
¶616345009
GUC Error ellipse: s-maj=1.8km s-min=5.9km az=-1.0.
ISC IV 25 20 05 47.8–.69 21.13S–.03 68.50W–.06 139–7 97 1-145
IDC IV 25 20 05 48.4–.86 21.14S 68.25W 116–12 3.9,3.9b **¶610650010**
SJA IV 25 20 05 48.7–1.7 21.09S 68.41W 100 3.7W,3.7L
VAO IV 25 20 05 49.1–.43 21.40S 68.15W 110 4.2b,3.7L
GUC IV 25 20 05 50.1–.66 21.15S 68.53W 130–4 3.8L,3.7L
ISC Event type ke.
IDC Error ellipse: s-maj=26.6km s-min=10.0km az=107.0.
SJA Error ellipse: s-maj=4.7km s-min=8.7km az=-1.0.
VAO Error ellipse: s-maj=4.6km s-min=4.8km az=-1.0.
GUC Error ellipse: s-maj=1.4km s-min=4.9km az=-1.0.
ISC IV 26 04 19 05.7–.59 21.88S–.03 68.67W–.04 126–5 4.2b 131 1-92
SJA IV 26 04 19 05.5–2.0 21.91S 68.67W 100 3.9L,3.8W **¶611149688**
VAO IV 26 04 19 05.5–.73 21.75S 68.54W 100 4.0b,3.8W
GUC IV 26 04 19 06.3–.79 21.90S 68.66W 119–4 3.8L,3.8W
NEIC IV 26 04 19 06.2–1.4 21.92S–.04 68.75W–.08 124–5 4.4b,3.8L
IDC IV 26 04 19 24.1–1.5 13.12S 65.38W 0 3.7L,3.6
ISC Event type se.
SJA Error ellipse: s-maj=3.5km s-min=6.5km az=-1.0.
VAO Error ellipse: s-maj=5.7km s-min=7.1km az=-1.0.
GUC Error ellipse: s-maj=1.5km s-min=4.1km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=5.0km az=77.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=63.1km s-min=28.7km az=136.0.
ISC IV 30 07 44 01.5–.54 21.13S–.03 68.65W–.05 129–5 4.1b 153 1-145
NEIC IV 30 07 44 01.7–1.5 21.11S–.03 68.67W–.08 133–7 4.2b,4.1L **¶610591571**
SJA IV 30 07 44 01.1–.78 21.11S 68.70W 137–5 3.8W,3.8L
IDC IV 30 07 44 02.4–.78 21.11S 68.37W 120–8 4.2,3.7b
GUC IV 30 07 44 03.0–.55 21.11S 68.64W 125–3 4.2L,3.7b
VAO IV 30 07 44 06.3–2.4 20.77S 68.28W 142–14 4.3b,3.7b
ISC Event type se.

NEIC Event type se. Error ellipse: s-maj=10.9km s-min=4.2km az=101.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SJA Error ellipse: s-maj=2.5km s-min=4.2km az=-1.0.
IDC Error ellipse: s-maj=22.1km s-min=9.8km az=103.0.
GUC Error ellipse: s-maj=1.0km s-min=2.8km az=-1.0.
VAO Error ellipse: s-maj=13.1km s-min=14.4km az=-1.0.
ISC IV 30 22 34 58.8–.59 21.65S–.03 68.63W–.05 96–5 4.4b 189 1-154
SJA IV 30 22 34 43.7–.63 20.90S 67.98W 152–9 4.5L,4.2W **¶610589566**
VAO IV 30 22 34 51.8–1.2 21.49S 69.17W 52–7 4.6b,4.2W
IDC IV 30 22 34 57.9–.97 21.59S 68.55W 84–9 4.1,3.8b
NEIC IV 30 22 34 59.6–1.5 21.64S–.04 68.76W–.06 96–5 4.5b,4.3
NEIC IV 30 22 34 59.8 21.64S 68.76W 96 4.5b,4.3
GUC IV 30 22 35 00.8–.77 21.66S 68.76W 96–5 4.0L,4.3
ISC Event type se.
SJA Error ellipse: s-maj=2.9km s-min=9.4km az=-1.0.
VAO Error ellipse: s-maj=7.2km s-min=9.6km az=-1.0.
IDC Error ellipse: s-maj=18.5km s-min=12.8km az=132.0.
NEIC Event type se. Error ellipse: s-maj=8.8km s-min=4.7km az=73.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-2.64 $M_{\theta\theta}$0.55 $M_{\phi\phi}$2.09 $M_{r\theta}$-0.18
$M_{\theta\phi}$-1.03 $M_{\phi r}$-1.94 NP1:ϕ_s138.91000°,δ30.57000°,λ-118.02000°. NP2:ϕ_s350.63000°
,δ63.32000°,λ-74.49000°. Principal axes: T 3.1134,Plg17.0000°,Azm69.0000°
; N 0.2872,Plg14.0000°,Azm164.0000°; P -3.4006,Plg68.0000°,Azm291.0000°
$M_0$3.27000×10^{15}
NEIC Event type se.
GUC Error ellipse: s-maj=1.9km s-min=4.2km az=-1.0.
ISC V 01 01 53 48.8–.86 20.31S–.03 68.79W–.07 114–8 39 0-90
GUC V 01 01 53 49.9–.78 20.29S 68.76W 112–4 3.2L **¶610689272**
IDC V 01 01 53 50.2–.94 20.37S 68.47W 127–12 3.5,3.2b
ISC Event type ke.
GUC Error ellipse: s-maj=1.6km s-min=4.1km az=-1.0.
IDC Error ellipse: s-maj=30.7km s-min=9.7km az=98.0.
ISC V 02 22 09 15.5–1.1 21.44S–.04 68.54W–.09 127–10 32 1-91
GUC V 02 22 09 15.8–.66 21.43S 68.42W 118–5 3.3L **¶610689415**
IDC V 02 22 09 17.6–9.2 21.37S 68.16W 141–64 3.6,3.3b
ISC Event type ke.
GUC Error ellipse: s-maj=1.4km s-min=3.7km az=-1.0.
IDC Error ellipse: s-maj=89.7km s-min=56.9km az=39.0.
ISC V 04 04 28 42.7–.60 22.10S–.04 67.16W–.04 179–6 4.4b 209 2-145
SJA V 04 04 28 41.5–.62 22.08S 67.22W 210–5 3.9W,3.9L **¶610689522**
NEIC V 04 04 28 42.3–1.2 22.09S–.06 67.02W–.09 168–6 4.4b,4.1L
IDC V 04 04 28 42.4–.84 22.11S 67.00W 169–8 4.1,3.7b
GUC V 04 04 28 43.9–.68 22.20S 67.78W 225–6 4.1L,3.7b
SCB V 04 04 28 44.7–1.3 22.16S 67.26W 160–10 3.8L,3.5W
ISC Event type se.
SJA Error ellipse: s-maj=2.2km s-min=3.0km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=8.7km az=78.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=13.5km s-min=12.3km az=104.0.
GUC Error ellipse: s-maj=3.0km s-min=7.7km az=-1.0.
SCB Event type se. Error ellipse: s-maj=4.0km s-min=2.7km az=0.0.
ISC V 06 00 41 11.1–.60 21.16S–.02 68.95W–.05 120–5 3.6b 137 1-145
VAO V 06 00 40 41.3–1.4 21.04S 71.23W 10 4.4b **¶610613139**
NEIC V 06 00 41 11.6–1.0 21.16S–.01 68.96W–.09 119–10 4.1L,4.0b
SJA V 06 00 41 11.2–2.9 21.16S 68.89W 100 3.9L,3.8W
IDC V 06 00 41 12.1–1.1 21.15S 68.73W 115–14 3.8,3.3b
GUC V 06 00 41 12.2–.59 21.16S 68.95W 114–3 4.1L,3.3b
ISC Event type se.
VAO Error ellipse: s-maj=8.1km s-min=14.6km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=1.8km az=85.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SJA Error ellipse: s-maj=5.1km s-min=9.9km az=-1.0.
IDC Error ellipse: s-maj=23.6km s-min=17.5km az=112.0.
GUC Error ellipse: s-maj=1.0km s-min=3.0km az=-1.0.
ISC V 08 00 14 45.2–.54 21.35S–.03 68.92W–.05 127–5 175 1-170
SJA V 08 00 14 44.5–1.8 21.28S 68.71W 90 4.1L,4.0W **¶610617946**
NEIC V 08 00 14 45.4–2.2 21.36S–.05 69.1W–.10 134–9 4.4b,4.4L
VAO V 08 00 14 45.1–.33 21.38S 69.11W 135 4.1b,4.4L
IDC V 08 00 14 46.8–.75 21.41S 68.62W 121–6 4.0,3.6b
GUC V 08 00 14 46.6–.61 21.34S 68.89W 115–3 4.4L,3.6b
ISC Event type se.
SJA Error ellipse: s-maj=4.2km s-min=7.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=14.9km s-min=7.7km az=86.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Error ellipse: s-maj=3.0km s-min=4.0km az=-1.0.
IDC Error ellipse: s-maj=25.9km s-min=9.4km az=107.0.
GUC Error ellipse: s-maj=0.9km s-min=2.8km az=-1.0.
ISC V 12 04 47 28.3–1.8 22.34S–.05 67.54W–.05 174–16 47 2-6
SCB V 12 04 47 29.2–1.3 22.36S 67.52W 155–11 3.6W,3.4L **¶612738763**
GUC V 12 04 47 29.5–.67 22.26S 67.98W 205–9 3.7L,3.4L
ISC Event type se.
SCB Event type se. Error ellipse: s-maj=4.4km s-min=3.7km az=0.0.
GUC Error ellipse: s-maj=3.3km s-min=9.2km az=-1.0.
ISC V 14 19 44 24.9–.22 20.78S–.02 68.68W–.04 116–1 5.8b 1189 1-178
SJA V 14 19 44 22.5–1.4 20.84S 68.79W 124–14 5.6L,5.3W **¶611833885**
MOS V 14 19 44 23.4–1.2 20.65S 68.47W 104 6.0b,4.7s
BJI V 14 19 44 24.0–.00 20.90S 68.60W 100 5.2b,4.7s
NEIC V 14 19 44 25.2–2.7 20.83S–.04 68.71W–.07 116–1 5.9b,5.7
VAO V 14 19 44 25.5–.24 20.71S 68.42W 110–2 5.7b,5.7
GUC V 14 19 44 25.4–.81 20.84S 68.73W 115–4 5.9L,5.7
NEIC V 14 19 44 25 20.84S 68.73W 115 5.9L,5.7
NEIC V 14 19 44 25 20.84S 68.73W 115 5.9L,5.7
NEIC V 14 19 44 25 20.84S 68.73W 100 5.9L,5.7
NEIC V 14 19 44 25 20.84S 68.73W 100 5.9L,5.7
IDC V 14 19 44 26.3–.29 20.67S 68.54W 118–2 5.3,4.9b
GCMT V 14 19 44 30.0–.10 20.92S–.01 68.71W–.01 132–0 5.7W,4.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.10 $M_{\theta\theta}$-3.77 $M_{\phi\phi}$2.67 $M_{r\theta}$-0.41 $M_{\theta\phi}$1.31
$M_{\phi r}$-1.73 NP1:ϕ_s240.60000°,δ69.09000°,λ23.90000°. NP2:ϕ_s141.61000°,δ67.76000°
,λ157.32000°. Principal axes: T 4.0061,Plg31.0000°,Azm101.0000°; N 0.0176,Plg59.0000°
,Azm279.0000°; P -4.0238,Plg1.0000°,Azm11.0000° $M_0$4.01000×10^{17} Moment Tensor
Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.24 $M_{\theta\theta}$-3.39 $M_{\phi\phi}$2.15 $M_{r\theta}$-1.23 $M_{\theta\phi}$1.39
$M_{\phi r}$-2.03 NP1:ϕ_s141.46000°,δ56.54000°,λ157.97000°. NP2:ϕ_s244.04000°,δ71.76000°
,λ35.49000°. Principal axes: T 4.2263,Plg38.0000°,Azm107.0000°; N -0.3843,Plg51.0000°
,Azm268.0000°; P -3.8420,Plg10.0000°,Azm10.0000° $M_0$4.05000×10^{17}
NEIC Event type se.
NEIC Event type se.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 3s7 Moment tensor: Scale 10^{17}Nm;
M_{rr}-0.48 $M_{\theta\theta}$-3.66 $M_{\phi\phi}$4.14 $M_{r\theta}$0.05 $M_{\theta\phi}$1.66 $M_{\phi r}$-2.49 NP1:ϕ_s145.71000°,δ81.96000°
,λ156.34000°. NP2:ϕ_s239.22000°,δ66.59000°,λ8.77000°. Principal axes:
T 5.4775,Plg22.0000°,Azm100.0000°; N -1.3764,Plg65.0000°,Azm308.0000°
; P -4.1011,Plg10.0000°,Azm195.0000° $M_0$4.79000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function. Moment Tensor Solution. s139,c250; s135,c234;Duration: 1s8
Moment tensor: Scale 10^{17}Nm; M_{rr}0.30±.04 $M_{\theta\theta}$-4.05±.05; $M_{\phi\phi}$3.75±.06; $M_{r\theta}$0.27±.04;
$M_{\theta\phi}$1.85±.05; $M_{\phi r}$-2.33±.04; Best double couple: NP1:ϕ_s146.00000°,δ56.54000°,λ155.00000°.
NP2:ϕ_s240.00000°,δ65.00000°,λ11.00000°. Principal axes: T 5.1840,Plg25.0000°
,Azm101.0000°; N -0.5730,Plg63.0000°,Azm306.0000°; P -4.6050,Plg10.0000°
,Azm195.0000° $M_0$4.89500×10^{17}
ISC V 16 07 24 22.8–1.4 21.63S–.03 68.65W–.06 152–9 71 1-5
SJA V 16 07 24 23.3–1.9 21.61S 68.35W 100 3.6W,3.5L **¶612738857**
GUC V 16 07 24 24.5–.57 21.60S 68.54W 135–4 3.4L,3.5L
ISC Event type ke.
SJA Error ellipse: s-maj=4.6km s-min=6.9km az=-1.0.
GUC Error ellipse: s-maj=1.2km s-min=4.0km az=-1.0.
ISC V 17 20 41 53.2–.65 21.79S–.04 67.30W–.04 208–7 4.4b 181 2-169
IDC V 17 20 41 54.5–.78 21.81S 67.02W 158–11 4.3,3.9b **¶610641935**
NEIC V 17 20 41 55.3–2.0 21.75S–.06 67.6W–.10 221–10 4.5b,4.4L
SJA V 17 20 41 55.0–1.6 21.78S 67.29W 175 4.2L,3.9W
GUC V 17 20 41 56.6–.53 21.77S 67.51W 203–6 4.4L,3.9W
SCB V 17 20 41 57.7–1.5 21.81S 67.37W 138–16 4.5L,3.6W
ISC Event type se.
IDC Error ellipse: s-maj=17.0km s-min=10.3km az=116.0.
NEIC Event type se. Error ellipse: s-maj=14.8km s-min=9.3km az=90.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SJA Error ellipse: s-maj=4.9km s-min=4.1km az=-1.0.
GUC Error ellipse: s-maj=1.1km s-min=5.6km az=-1.0.
SCB Event type se. Error ellipse: s-maj=4.0km s-min=3.6km az=0.0.
ISC V 19 07 23 43.1–.90 20.83S–.03 68.79W–.06 119–8 70 1-145
SJA V 19 07 23 43.2–1.9 20.82S 68.70W 100 3.7W,3.5L **¶610690650**
GUC V 19 07 23 44.1–.88 20.84S 68.74W 112–5 3.5L,3.5L
IDC V 19 07 23 44.4–1.4 20.93S 68.30W 115–17 4.0,3.9b
ISC Event type ke.
SJA Error ellipse: s-maj=3.3km s-min=6.1km az=-1.0.
GUC Error ellipse: s-maj=1.6km s-min=4.7km az=-1.0.
IDC Error ellipse: s-maj=43.5km s-min=15.9km az=110.0.
ISC V 22 01 10 43.8–.49 20.37S–.03 68.98W–.05 111–4 4.4b 164 0-152
SJA V 22 01 10 43.7–.87 20.38S 69.04W 116–4 4.1L,4.0W **¶610646106**
IDC V 22 01 10 44.7–.67 20.40S 68.68W 113–6 4.1,3.6b
VAO V 22 01 10 44.7–.41 20.27S 68.83W 110 4.4b,3.6b
NEIC V 22 01 10 44.3–1.3 20.39S–.04 68.96W–.06 111–3 4.4b,4.3L
GUC V 22 01 10 44.9–.71 20.37S 68.97W 110–3 4.3L,4.3L
ISC Event type se.
SJA Error ellipse: s-maj=2.3km s-min=3.8km az=-1.0.
IDC Error ellipse: s-maj=18.9km s-min=9.2km az=93.0.
VAO Error ellipse: s-maj=3.7km s-min=4.6km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=8.2km s-min=5.4km az=98.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=1.3km s-min=3.7km az=-1.0.
ISC V 22 07 44 47.1–1.5 21.33S–.03 68.52W–.06 146–10 65 1-4
SJA V 22 07 44 46.4–.64 21.34S 68.49W 147–4 3.5L,3.4W **¶612738978**
GUC V 22 07 44 48.3–.51 21.34S 68.40W 127–3 3.6L,3.4W
ISC Event type ke.
SJA Error ellipse: s-maj=1.3km s-min=3.0km az=-1.0.
GUC Error ellipse: s-maj=1.0km s-min=2.9km az=-1.0.
ISC V 28 18 47 11.5–.29 21.15S–.02 68.56W–.04 131–2 4.9b 386 1-170
NEIC V 28 18 47 11.7–2.5 21.18S–.04 68.68W–.07 138–5 5.0b,4.9 **¶610655170**
SJA V 28 18 47 11.8–2.0 21.18S 68.50W 100 4.7L,4.5W
IDC V 28 18 47 12.5–.40 21.12S 68.45W 130–3 4.6,4.1b
GUC V 28 18 47 12.2–.71 21.14S 68.57W 131–4 4.9L,4.1b
GCMT V 28 18 47 18.6–.30 21.23S–.02 68.40W–.04 117–4 4.8W,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function. Moment Tensor Solution. s11,c13; s78,c94;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-0.50±.11 $M_{\theta\theta}$0.61±.14; $M_{\phi\phi}$-0.11±.17; $M_{r\theta}$1.30±.05;
$M_{\theta\phi}$-1.35±.11; $M_{\phi r}$-0.14±.08; Best double couple: NP1:ϕ_s270.00000°,δ81.00000°
,λ-133.00000°. NP2:ϕ_s171.00000°,δ44.00000°,λ-13.00000°. Principal axes:
T 2.1440,Plg24.0000°,Azm32.0000°; N -0.4380,Plg42.0000°,Azm278.0000°
; P -1.7060,Plg38.0000°,Azm143.0000° $M_0$1.92500×10^{16}
ISC V 29 22 22 17.1–.75 21.32S–.03 68.69W–.05 140–7 93 1-77
VAO V 29 22 22 17.9–.61 21.29S 68.58W 129 4.2b **¶610685670**
SJA V 29 22 22 18.7–4.2 21.31S 68.60W 100 3.6W,3.5L
IDC V 29 22 22 18.2–.90 21.37S 68.34W 122–17 4.0,3.8b
GUC V 29 22 22 18.8–.86 21.32S 68.61W 121–5 3.7L,3.8b
ISC Event type ke.
VAO Error ellipse: s-maj=5.3km s-min=7.9km az=-1.0.
SJA Error ellipse: s-maj=7.7km s-min=17.6km az=-1.0.
IDC Error ellipse: s-maj=39.1km s-min=12.2km az=98.0.
GUC Error ellipse: s-maj=1.5km s-min=3.6km az=-1.0.
ISC V 30 19 27 12.3–.86 21.04S–.05 67.49W–.05 178–8 36 2-144
IDC V 30 19 27 11.8–.91 21.11S 67.25W 170–11 4.0,3.7b **¶610685738**
SCB V 30 19 27 13.4–1.6 21.09S 67.53W 168–14 3.6L,2.6W
ISC Event type se.
IDC Error ellipse: s-maj=34.2km s-min=13.0km az=131.0.
SCB Event type se. Error ellipse: s-maj=4.7km s-min=3.6km az=0.0.
ISC V 31 14 38 28.3–.79 22.29S–.03 67.73W–.04 174–6 137 1-133
SJA V 31 14 38 25.9–.73 22.31S 67.69W 188–4 3.6W,3.6L **¶610659571**
IDC V 31 14 38 27.4–1.5 22.26S 67.47W 150–22 3.7,3.3b
GUC V 31 14 38 28.5–.78 22.30S 67.86W 189–6 3.9L,3.3b
SCB V 31 14 38 28.4–1.4 22.29S 67.73W 164–11 3.9L,3.6W
NEIC V 31 14 38 29.4–1.7 22.35S–.02 67.9W–.20 172–9 4.0b,3.9L
ISC Event type se.
SCB Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 02 12 00 31.5–.77 21.41S–.03 68.63W–.06 123–7 3.8b 75 1-77
SJA VI 02 12 00 31.3–1.9 21.41S 68.55W 100 3.7W,3.7L **¶610791096**
IDC VI 02 12 00 31.9–1.2 21.48S 68.23W 104–11 3.8,3.5b
GUC VI 02 12 00 32.4–.68 21.41S 68.63W 115–4 3.8L,3.5b
ISC Event type ke.
SJA Error ellipse: s-maj=4.0km s-min=6.6km az=-1.0.
IDC Error ellipse: s-maj=36.0km s-min=13.5km az=119.0.
GUC Error ellipse: s-maj=1.4km s-min=3.2km az=-1.0.
ISC VI 03 22 21 44.7–.28 21.86S–.03 68.63W–.04 105–2 5.1b 847 1-170
MOS VI 03 22 21 42.1–1.4 21.78S 68.51W 90 5.1b **¶612739187**
IDC VI 03 22 21 43.6–.50 21.84S 68.52W 93–5 4.8,4.4b
SJA VI 03 22 21 43.3–.98 21.95S 68.79W 120–8 5.0L,4.8W
GUC VI 03 22 21 44.5–.75 21.87S 68.77W 120–5 5.2L,4.8W
VAO VI 03 22 21 44.3–.27 21.83S 68.48W 97 5.5b,4.8W
NEIC VI 03 22 21 44.5 21.90S 68.73W 100 5.5b,4.8W
NEIC VI 03 22 21 44.4 21.89S 68.60W 97 5.5b,4.8W
NEIC VI 03 22 21 44.5 21.90S 68.62W 100 5.5b,4.8W
NEIC VI 03 22 21 45.1–1.7 21.90S–.03 68.69W–.05 105–4 5.2,5.1
GCMT VI 03 22 21 50.1–.30 21.79S–.02 68.72W–.02 133–3 5.1W,5.1
ISC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 1s8 Moment tensor: Scale 10^{16}Nm;
M_{rr}-3.03 $M_{\theta\theta}$-0.99 $M_{\phi\phi}$4.02 $M_{r\theta}$-1.54 $M_{\theta\phi}$-1.65 $M_{\phi r}$-2.48 NP1:ϕ_s12.12000°,δ66.18000°
,λ-56.64000°. NP2:ϕ_s133.65000°,δ40.18000°,λ-141.24000°. Principal axes:
T 5.0305,Plg15.0000°,Azm78.0000°; N -0.1729,Plg30.0000°,Azm177.0000°
; P -4.8575,Plg56.0000°,Azm326.0000° $M_0$4.94000×10^{16}
NEIC Event type se.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-1.25 $M_{\theta\theta}$-0.29 $M_{\phi\phi}$1.53 $M_{r\theta}$-0.83
$M_{\theta\phi}$-0.14 $M_{\phi r}$-3.39 NP1:ϕ_s12.68000°,δ79.69000°,λ-82.05000°. NP2:ϕ_s154.73000°,δ12.99000°
,λ-127.23000°. Principal axes: T 3.8360,Plg34.0000°,Azm96.0000°; N -0.1408,Plg8.0000°
,Azm191.0000°; P -3.6952,Plg55.0000°,Azm292.0000° $M_0$3.77000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function. Moment Tensor Solution. s29,c30; s110,c152;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-2.34±.16 $M_{\theta\theta}$-1.98±.17; $M_{\phi\phi}$4.32±.22; $M_{r\theta}$-0.58±.09;
$M_{\theta\phi}$-1.43±.16; $M_{\phi r}$-4.12±.14; Best double couple: NP1:ϕ_s11.00000°,δ74.00000°,λ-65.00000°.
NP2:ϕ_s133.00000°,δ29.00000°,λ-145.00000°. Principal axes: T 6.4180,Plg25.0000°
,Azm82.0000°; N -1.6320,Plg24.0000°,Azm184.0000°; P -4.7860,Plg55.0000°
,Azm312.0000° $M_0$5.60200×10^{16}
ISC VI 05 10 41 13.1–1.3 20.65S–.03 69.00W–.05 99–9 69 1-5
SJA VI 05 10 41 10.7–.72 20.64S 68.92W 107–4 3.7W,3.7L **¶612739211**
GUC VI 05 10 41 12.0–.65 20.65S 68.86W 102–3 3.7L,3.7L
ISC Event type ke.
SJA Error ellipse: s-maj=1.7km s-min=3.1km az=-1.0.

GUC Error ellipse: s-maj=1.1km s-min=2.9km az=-1.0.
ISC VI 07 02 13 27.2–1.4 21.73S–.03 68.71W–.06 141–9 64 0-4
SJA VI 07 02 13 28.2–1.4 21.68S 68.52W 100 3.6W,3.6L **¶612739248**
GUC VI 07 02 13 29.1–.75 21.74S 68.62W 122–5 3.8L,3.6L
ISC Event type ke.
SJA Error ellipse: s-maj=3.6km s-min=9.0km az=-1.0.
GUC Error ellipse: s-maj=1.3km s-min=4.7km az=-1.0.
ISC VI 08 08 31 35.3–.62 22.36S–.04 67.54W–.05 181–6 4.1b 151 1-146
IDC VI 08 08 31 34.9–1.4 22.40S 67.33W 160–14 4.2,3.9b **¶610668109**
VAO VI 08 08 31 35.8–.47 22.05S 67.13W 10 4.3b,3.9b
NEIC VI 08 08 31 35.7–1.6 22.29S–.07 67.6W–.10 186–8 4.2b,4.2L
SJA VI 08 08 31 35.7–2.1 22.40S 67.52W 150 3.9L,3.8W
SCB VI 08 08 31 36.2–.82 22.34S 67.62W 167–8 4.2L,2.6W
GUC VI 08 08 31 37.2–.78 22.35S 67.67W 181–4 4.2L,2.6W
ISC Event type se.
IDC Error ellipse: s-maj=30.9km s-min=19.5km az=127.0.
VAO Error ellipse: s-maj=5.1km s-min=4.2km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=14.4km s-min=10.3km az=88.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SJA Error ellipse: s-maj=6.5km s-min=7.9km az=-1.0.
SCB Event type se. Error ellipse: s-maj=2.5km s-min=2.4km az=1.0.
GUC Error ellipse: s-maj=1.8km s-min=4.1km az=-1.0.
ISC VI 08 13 05 01.8–.56 21.68S–.03 68.38W–.05 124–5 4.6b 228 1-170
SJA VI 08 13 05 01.6–1.7 21.70S 68.37W 100 4.2W,4.1L **¶610667952**
IDC VI 08 13 05 01.9–.77 21.67S 68.25W 113–9 4.3,3.9b
VAO VI 08 13 05 02.2–.33 21.64S 68.36W 124 4.7b,3.9b
NEIC VI 08 13 05 02.8–2.5 21.74S–.05 68.56W–.08 131–6 4.6b,4.2L
GUC VI 08 13 05 03.4–.61 21.68S 68.51W 124–4 4.2L,4.2L
ISC Event type se.
SJA Error ellipse: s-maj=4.1km s-min=5.6km az=-1.0.
IDC Error ellipse: s-maj=18.0km s-min=15.7km az=136.0.
VAO Error ellipse: s-maj=2.7km s-min=3.6km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=6.6km az=72.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=1.3km s-min=3.2km az=-1.0.
ISC VI 09 09 15 06.4–.54 21.05S–.03 68.93W–.05 121–5 4.2b 160 1-77
SJA VI 09 09 15 05.1–.73 21.06S 68.99W 133–3 4.1L,4.0W **¶610791524**
IDC VI 09 09 15 06.9–1.0 21.07S 68.64W 120–13 3.9,3.5b
VAO VI 09 09 15 07.6–.45 21.14S 68.86W 130 4.3b,3.5b
NEIC VI 09 09 15 07.1–1.6 21.05S–.04 68.97W–.06 119–4 4.3b,4.0L
GUC VI 09 09 15 07.2–.73 21.06S 68.91W 118–4 4.0L,4.0L
ISC Event type se.
SJA Error ellipse: s-maj=1.2km s-min=3.0km az=-1.0.
IDC Error ellipse: s-maj=21.6km s-min=13.8km az=121.0.
VAO Error ellipse: s-maj=2.7km s-min=5.0km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=8.7km s-min=5.4km az=92.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=1.5km s-min=4.0km az=-1.0.
ISC VI 09 21 19 29.1–.96 20.55S–.03 68.89W–.06 111–7 78 0-145
SJA VI 09 21 19 28.1–.63 20.53S 68.89W 116–3 3.8L,3.7W **¶610791555**
GUC VI 09 21 19 29.5–.74 20.54S 68.81W 107–3 3.6L,3.7W
IDC VI 09 21 19 30.3–1.6 20.65S 68.37W 118–19 3.7b,3.6
ISC Event type ke.
SJA Error ellipse: s-maj=1.4km s-min=2.7km az=-1.0.
GUC Error ellipse: s-maj=1.4km s-min=3.5km az=-1.0.
IDC Error ellipse: s-maj=56.0km s-min=16.1km az=107.0.
ISC VI 11 22 35 39.9–.52 21.09S–.03 68.88W–.05 113–5 4.1b 150 1-151
VAO VI 11 22 35 32.8–.56 20.74S 68.88W 10 4.6b **¶611151016**
SJA VI 11 22 35 38.6–.60 21.11S 68.97W 131–3 4.1W,4.1L
NEIC VI 11 22 35 39.9 21.13S 68.98W 119 4.1W,4.1L
NEIC VI 11 22 35 40.1–1.8 21.123S–.01 68.94W–.07 115–5 4.5b,4.1
GUC VI 11 22 35 41.1–.73 21.14S 68.91W 113–4 4.1L,4.1
IDC VI 11 22 35 41.0–.60 21.16S 68.76W 117–6 4.1,3.8b
ISC Event type se.
VAO Error ellipse: s-maj=4.2km s-min=6.2km az=-1.0.
SJA Error ellipse: s-maj=1.2km s-min=2.8km az=-1.0.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=1.2km az=86.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-0.58 $M_{\theta\theta}$-0.35 $M_{\phi\phi}$0.93 $M_{r\theta}$0.36
$M_{\theta\phi}$-0.03 $M_{\phi r}$-1.81 NP1:ϕ_s348.45000°,δ79.19000°,λ-96.34000°. NP2:ϕ_s199.11000°
,δ12.51000°,λ-59.94000°. Principal axes: T 2.1495,Plg34.0000°,Azm84.0000°
; N -0.3110,Plg6.0000°,Azm350.0000°; P -1.8386,Plg55.0000°,Azm251.0000°
$M_0$2.01000×10^{15}
GUC Error ellipse: s-maj=1.3km s-min=3.4km az=-1.0.
IDC Error ellipse: s-maj=19.5km s-min=9.0km az=95.0.
ISC VI 13 06 24 00.9–.58 21.81S–.04 68.56W–.05 123–6 3.8b 130 1-92
SJA VI 13 06 24 00.0–.53 21.75S 68.61W 132–6 4.1L,4.0W **¶610791761**
IDC VI 13 06 24 00.6–.71 21.97S 68.34W 125–9 3.9,3.4b
NEIC VI 13 06 24 01.0–2.5 21.91S–.10 68.4W–.10 126–10 4.1L,4.1b
VAO VI 13 06 24 02.2–.34 21.76S 68.47W 123 4.4b,4.1b
GUC VI 13 06 24 02.2–.76 21.78S 68.61W 119–4 4.1L,4.1b
ISC Event type se.
SJA Error ellipse: s-maj=1.9km s-min=3.4km az=-1.0.
IDC Error ellipse: s-maj=23.5km s-min=19.4km az=164.0.
NEIC Event type se. Error ellipse: s-maj=18.9km s-min=14.4km az=81.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Error ellipse: s-maj=2.7km s-min=3.8km az=-1.0.
GUC Error ellipse: s-maj=1.6km s-min=3.2km az=-1.0.
ISC VI 14 00 39 24.4–.63 21.19S–.03 67.92W–.04 171–6 173 1-169
SJA VI 14 00 39 24.7–1.9 21.19S 67.82W 150 3.8L,3.7W **¶610673010**
SCB VI 14 00 39 24.8–1.5 21.20S 67.94W 164–13 4.1L,3.7W
NEIC VI 14 00 39 25.3–3.0 21.15S–.06 67.84W–.09 162–9 4.1b,4.0L
IDC VI 14 00 39 24.1–.86 21.25S 67.71W 155–17 4.1,4.1b
VAO VI 14 00 39 24.1–.35 21.09S 68.12W 178 3.8b,4.1b
GUC VI 14 00 39 26.3–.46 21.21S 68.00W 172–4 4.0L,4.1b
ISC Event type se.
SJA Error ellipse: s-maj=5.1km s-min=5.4km az=-1.0.
SCB Event type se. Error ellipse: s-maj=4.5km s-min=3.3km az=0.0.
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=8.7km az=99.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=32.8km s-min=11.1km az=103.0.
VAO Error ellipse: s-maj=3.3km s-min=4.6km az=-1.0.
GUC Error ellipse: s-maj=1.1km s-min=4.1km az=-1.0.
ISC VI 14 08 57 14.4–.60 21.19S–.03 68.63W–.05 130–6 4.1b 128 1-145
NEIC VI 14 08 57 14.6–2.8 21.23S–.05 68.73W–.10 137–10 4.2L,4.2b **¶610791848**
IDC VI 14 08 57 15.1–1.1 21.22S 68.28W 117–11 4.2,3.8b
GUC VI 14 08 57 15.5–.57 21.19S 68.65W 125–3 4.1L,3.8b
VAO VI 14 08 57 15.3–.50 21.12S 68.44W 124–6 4.2b,3.8b
SJA VI 14 08 57 15.7–2.7 21.18S 68.62W 100 4.1L,3.9W
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.1km s-min=7.7km az=83.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=36.1km s-min=14.5km az=110.0.
GUC Error ellipse: s-maj=1.1km s-min=3.1km az=-1.0.
VAO Error ellipse: s-maj=4.5km s-min=5.6km az=-1.0.
SJA Error ellipse: s-maj=5.5km s-min=11.2km az=-1.0.
ISC VI 15 23 48 08.4–.58 21.16S–.03 68.94W–.05 120–5 3.8b 163 1-145
SJA VI 15 23 48 07.8–.72 21.16S 68.97W 126–3 3.9W,3.9L **¶610675481**
VAO VI 15 23 48 08.8–.56 21.00S 68.66W 89–4 4.3b,3.9L
IDC VI 15 23 48 09.6–1.2 21.15S 68.67W 114–15 3.8,3.4b
NEIC VI 15 23 48 09.1–1.2 21.15S–.04 68.99W–.07 123–6 4.2b,4.0L
GUC VI 15 23 48 09.8–.60 21.16S 68.88W 111–3 4.0L,4.0L
ISC Event type se.
SJA Error ellipse: s-maj=1.2km s-min=2.9km az=-1.0.
VAO Error ellipse: s-maj=3.8km s-min=5.1km az=-1.0.
IDC Error ellipse: s-maj=25.0km s-min=17.3km az=116.0.
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=5.4km az=91.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=1.1km s-min=3.1km az=-1.0.
ISC VI 18 03 44 02.7–.59 21.23S–.03 68.72W–.05 119–6 4.0b 171 1-145
NEIC VI 18 03 44 02.6–.97 21.23S–.04 68.74W–.08 121–7 4.2L,4.0b **¶610681496**
SJA VI 18 03 44 02.7–1.8 21.21S 68.65W 100 4.1L,4.0W
GUC VI 18 03 44 03.6–.57 21.23S 68.68W 110–3 4.2L,4.0W
IDC VI 18 03 44 04.2–1.2 21.32S 68.33W 111–11 4.1,3.8b
VAO VI 18 03 44 06.2–.64 21.04S 68.42W 122 4.2b,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=5.8km az=88.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SJA Error ellipse: s-maj=3.4km s-min=7.4km az=-1.0.
GUC Error ellipse: s-maj=1.0km s-min=2.8km az=-1.0.
IDC Error ellipse: s-maj=34.0km s-min=13.9km az=117.0.
VAO Error ellipse: s-maj=3.7km s-min=7.0km az=-1.0.
ISC VI 20 12 40 14.1–1.7 22.53S–.04 67.84W–.07 168–15 41 1-5
GUC VI 20 12 40 14.8–.63 22.51S 67.91W 175–5 3.3L **¶612739485**
SCB VI 20 12 40 14.1–.98 22.52S 67.83W 163–14 3.6W,3.3L
ISC Event type se.
GUC Error ellipse: s-maj=1.9km s-min=4.7km az=-1.0.
SCB Event type se. Error ellipse: s-maj=5.5km s-min=3.5km az=1.0.
ISC VI 21 01 50 06.9–1.5 20.39S–.03 68.10W–.05 197–10 106 1-5
SCB VI 21 01 50 07.4–1.2 20.37S 68.07W 184–10 3.9L,3.3W **¶612739495**
SJA VI 21 01 50 07.0–1.7 20.37S 67.80W 150 3.6L,3.5W
GUC VI 21 01 50 08.5–.73 20.38S 68.10W 190–5 3.7L,3.5W
ISC Event type se.
SCB Event type se. Error ellipse: s-maj=5.8km s-min=3.0km az=1.0.
SJA Error ellipse: s-maj=5.4km s-min=7.5km az=-1.0.
GUC Error ellipse: s-maj=1.9km s-min=6.2km az=-1.0.
ISC VI 21 19 31 13.4–.59 21.08S–.03 68.92W–.05 113–6 4.0b 154 1-128
SJA VI 21 19 31 11.6–.79 21.11S 69.00W 124–4 4.1L,3.9W **¶610693707**
NEIC VI 21 19 31 13.2–1.0 21.11S–.05 68.90W–.07 104–6 4.1L,3.9W
VAO VI 21 19 31 13.1–.54 21.03S 68.97W 109 4.4b,3.9W
IDC VI 21 19 31 13.7–1.3 21.10S 68.76W 107–12 4.0,3.6b
GUC VI 21 19 31 14.1–.58 21.14S 68.94W 106–3 4.0L,3.6b
ISC Event type se.
SJA Error ellipse: s-maj=1.6km s-min=3.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=6.6km az=96.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Error ellipse: s-maj=3.3km s-min=6.1km az=-1.0.
IDC Error ellipse: s-maj=26.5km s-min=14.1km az=109.0.
GUC Error ellipse: s-maj=1.1km s-min=2.7km az=-1.0.
SCB VI 22 23 13 47.4–1.3 21.18S 67.50W 172–13 2.6L
¶615319189
SCB Event type se. Error ellipse: s-maj=5.2km s-min=4.0km az=0.0.
ISC VI 23 03 14 21.1–1.5 21.01S–.03 67.82W–.05 195–13 78 2-5
SJA VI 23 03 14 20.9–1.2 20.94S 67.67W 175 3.6L,3.3W **¶612739526**
SCB VI 23 03 14 21.7–1.5 21.02S 67.71W 172–17 3.6L,2.6W
GUC VI 23 03 14 22.6–.66 20.99S 67.76W 187–7 3.5L,2.6W
ISC Event type se.
SJA Error ellipse: s-maj=3.3km s-min=6.0km az=-1.0.
SCB Event type se. Error ellipse: s-maj=7.0km s-min=4.0km az=1.0.
GUC Error ellipse: s-maj=1.9km s-min=6.3km az=-1.0.
ISC VI 23 21 01 36.2–.68 21.97S–.03 68.69W–.04 131–5 145 1-170
SJA VI 23 21 01 35.9–.69 21.95S 68.66W 127–4 3.9L,3.8W **¶610694334**
VAO VI 23 21 01 35.5–.77 22.18S 68.86W 142 4.2b,3.8W
IDC VI 23 21 01 36.2–.96 22.07S 68.09W 98–13 4.0,3.5b
NEIC VI 23 21 01 36.6–1.4 21.97S–.04 68.73W–.08 128–6 4.1b,4.0L
GUC VI 23 21 01 37.9–.81 21.97S 68.63W 114–5 4.0L,4.0L
ISC Event type se.
SJA Error ellipse: s-maj=1.5km s-min=3.5km az=-1.0.
VAO Error ellipse: s-maj=7.3km s-min=8.8km az=-1.0.
IDC Error ellipse: s-maj=32.9km s-min=11.9km az=112.0.
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=6.1km az=77.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=2.3km s-min=5.0km az=-1.0.
ISC VI 24 04 05 44.1–.64 21.23S–.03 68.75W–.06 121–7 102 1-145
VAO VI 24 04 05 44.2–.77 21.52S 70.16W 10 4.3b **¶610789372**
NEIC VI 24 04 05 44.7–.63 21.25S–.04 68.81W–.08 125–7 4.0b,3.9L
IDC VI 24 04 05 45.8–1.2 21.30S 68.38W 112–13 3.9,3.9b
GUC VI 24 04 05 45.3–.65 21.25S 68.72W 118–4 3.9L,3.9b
ISC Event type se.
VAO Error ellipse: s-maj=4.7km s-min=7.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=5.2km az=72.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=32.9km s-min=15.4km az=117.0.
GUC Error ellipse: s-maj=1.2km s-min=3.4km az=-1.0.
ISC VI 24 13 35 27.8–1.6 21.74S–.03 68.54W–.06 141–11 61 1-4
SJA VI 24 13 35 27.3–.70 21.76S 68.51W 137–4 3.5L,3.4W **¶612739552**
GUC VI 24 13 35 28.8–.71 21.76S 68.45W 128–5 3.2L,3.4W
ISC Event type ke.
SJA Error ellipse: s-maj=1.8km s-min=3.5km az=-1.0.
GUC Error ellipse: s-maj=1.6km s-min=4.3km az=-1.0.
ISC VI 25 20 37 50.8–1.4 21.24S–.03 68.83W–.06 136–9 72 1-5
SJA VI 25 20 37 50.7–.64 21.23S 68.84W 131–4 3.7L,3.6W **¶612739569**
GUC VI 25 20 37 52.1–.64 21.24S 68.75W 123–3 3.7L,3.6W
ISC Event type ke.
SJA Error ellipse: s-maj=1.3km s-min=3.4km az=-1.0.
GUC Error ellipse: s-maj=1.1km s-min=3.5km az=-1.0.
ISC VI 26 03 33 19.9–.58 21.14S–.03 68.39W–.05 134–6 4.3b 157 1-145
IDC VI 26 03 33 20.4–.83 21.14S 68.15W 129–10 4.3,4.2b **¶610694771**
NEIC VI 26 03 33 20.6–1.8 21.10S–.02 68.48W–.07 136–6 4.4b,3.9L
GUC VI 26 03 33 20.5–.76 21.10S 68.35W 135–5 3.9L,3.9L
SJA VI 26 03 33 21.5–2.3 21.18S 68.39W 100 3.9W,3.6L
VAO VI 26 03 33 23.2–.52 20.95S 68.05W 135 4.3b,3.6L
ISC Event type se.
IDC Error ellipse: s-maj=24.9km s-min=10.9km az=106.0.
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=2.1km az=105.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=1.5km s-min=4.4km az=-1.0.
SJA Error ellipse: s-maj=12.4km s-min=12.0km az=-1.0.
VAO Error ellipse: s-maj=3.6km s-min=5.4km az=-1.0.
ISC VI 30 00 21 30.4–.59 21.49S–.04 67.39W–.05 196–7 4.0b 191 2-145
IDC VI 30 00 21 29.5–.97 21.49S 67.04W 173–13 4.0,3.6b **¶610712027**
SJA VI 30 00 21 30.3–1.9 21.44S 67.12W 150 4.1W,4.1L
VAO VI 30 00 21 30.2–.28 21.36S 67.44W 200 3.9b,4.1L
NEIC VI 30 00 21 30.5–1.6 21.45S–.06 67.4W–.10 200–13 4.0b,4.1L
SCB VI 30 00 21 31.2–1.9 21.47S 67.39W 184–21 4.5L,3.6W
GUC VI 30 00 21 31.7–.76 21.46S 67.42W 201–8 4.1L,3.6W
ISC Event type se.
IDC Error ellipse: s-maj=23.5km s-min=14.8km az=123.0.
SJA Error ellipse: s-maj=10.3km s-min=8.9km az=-1.0.
VAO Error ellipse: s-maj=3.0km s-min=3.5km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=15.9km s-min=9.0km az=90.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SCB Event type se. Error ellipse: s-maj=7.6km s-min=3.8km az=1.0.
GUC Error ellipse: s-maj=2.8km s-min=7.4km az=-1.0.

(125) Southern Bolivia.

ISC I 01 15 58 49.7–2.0 20.73S–.05 67.96W–.06 178–19 39 1-3

SCB I 01 15 58 50.8–1.0 20.71S 67.93W 152–16 4.4W,2.6L ¶615316369
ISC Event type se.
SCB Event type se. Error ellipse: s-maj=4.5km s-min=3.4km az=0.0.
SCB I 01 16 13 37.5–1.0 20.95S 67.56W 163–13 3.0W,2.9L ¶615952683
SCB Event type se. Error ellipse: s-maj=3.8km s-min=2.6km az=0.0.
ISC I 07 04 21 54.9–.59 21.55S–.05 66.80W–.04 231–8 177 1-60
SJA I 07 04 21 54.1–1.9 21.57S 66.83W 249–20 4.0L,3.8W ¶610570492
NEIC I 07 04 21 54.8–1.2 21.60S–.04 66.9W–.10 257–9 4.3b,3.8W
VAO I 07 04 21 56.5–.39 21.38S 66.71W 217–5 4.1b,3.8W
SCB I 07 04 21 58.1–1.4 21.48S 66.88W 195–13 4.1L,3.7W
ISC Event type se.
SJA Error ellipse: s-maj=7.7km s-min=9.0km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=16.4km s-min=5.2km az=87.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Error ellipse: s-maj=3.0km s-min=4.2km az=-1.0.
SCB Event type se. Error ellipse: s-maj=6.3km s-min=5.8km az=0.0.
ISC I 13 07 15 18.4–.68 20.47S–.05 66.84W–.04 238–8 91 1-75
NEIC I 13 07 15 18.4–1.7 20.47S–.08 66.82W–.10 250–5 4.1b ¶610570649
SCB I 13 07 15 19.4–1.4 20.51S 66.83W 227–13 3.7L,3.4W
VAO I 13 07 15 19.0–.45 20.36S 66.75W 233–9 3.7b,3.4W
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=11.5km az=72.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SCB Event type se. Error ellipse: s-maj=5.5km s-min=3.9km az=1.0.
VAO Error ellipse: s-maj=5.3km s-min=6.5km az=-1.0.
ISC I 29 16 52 19.4–.88 20.01S–.05 67.07W–.05 218–8 39 2-132
IDC I 29 16 52 18.8–1.1 19.95S 66.85W 211–16 3.6,3.3b ¶610235662
SCB I 29 16 52 20.3–.94 20.07S 67.10W 212–12 3.3W,3.3L
ISC Event type se.
IDC Error ellipse: s-maj=30.8km s-min=10.4km az=103.0.
SCB Event type se. Error ellipse: s-maj=3.7km s-min=2.7km az=0.0.
ISC I 30 01 14 58.5–3.1 21.35S–.07 66.76W–.07 225–24 37 1-4
GUC I 30 01 14 59.7–.52 21.40S 67.08W 267–12 3.5L ¶612084392
SCB I 30 01 14 59.9–1.3 21.34S 66.79W 210–14 3.3L
ISC Event type se.
GUC Error ellipse: s-maj=2.6km s-min=11.2km az=-1.0.
SCB Event type se. Error ellipse: s-maj=7.6km s-min=7.3km az=0.0.
ISC II 10 17 05 03.4–.56 19.21S–.04 67.42W–.05 230–6 4.2b 203 2-152
SJA II 10 17 05 01.9–.65 19.18S 67.82W 297–6 4.4L,4.1W ¶610208016
IDC II 10 17 05 03.0–.68 19.17S 67.27W 221–6 4.2,3.6b
VAO II 10 17 05 03.6–.41 19.15S 67.45W 235 4.2b,3.6b
SCB II 10 17 05 04.4–1.1 19.24S 67.51W 242–11 4.3L,3.8W
GUC II 10 17 05 04.9–.54 19.19S 67.59W 248–8 4.6L,3.8W
NEIC II 10 17 05 04.2–2.2 19.29S–.07 67.37W–.09 236–8 4.3b,3.8W
ISC Event type se.
ISC Hypocentre not reviewed by the ISC.
SCB Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 13 05 31 14.7–.36 21.81S–.04 65.55W–.05 300 4.4b 231 1-167
SJA II 13 05 31 10.9–.71 21.83S 65.53W 370–8 4.4L,4.0W ¶610208597
IDC II 13 05 31 14.7–.78 21.85S 65.47W 301–7 4.2,3.6b
SCB II 13 05 31 15.1–1.4 21.81S 65.63W 317–8 4.7L,3.9W
NEIC II 13 05 31 15.7–1.4 21.82S–.07 65.56W–.04 303–7 4.4b,3.9W
VAO II 13 05 31 16.1–.28 21.68S 65.46W 300 4.3b,3.9W
ISC Event type se.
SJA Error ellipse: s-maj=4.8km s-min=4.1km az=-1.0. Hypocentre not reviewed by the ISC.
IDC Error ellipse: s-maj=12.5km s-min=11.0km az=140.0.
SCB Event type se. Error ellipse: s-maj=8.1km s-min=5.7km az=2.0.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=4.3km az=162.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Error ellipse: s-maj=2.4km s-min=3.3km az=-1.0.
ISC II 21 14 09 04.5–.18 19.28S–.02 64.00W–.03 602–1 6.2b 2205 2-175
SCB II 21 14 08 52.5–2.2 19.36S 64.11W 665–37 6.6L,5.6W ¶610239211
BJI II 21 14 09 02.9–.00 19.17S 63.80W 600 6.3b,5.6W
MOS II 21 14 09 04.0–1.1 19.26S 63.97W 600 6.2b,5.6W
NEIC II 21 14 09 04.3–1.8 19.28S–.08 63.91W–.09 596–3 6.5,6.5
IDC II 21 14 09 04.6–.23 19.22S 63.89W 600–2 6.4,5.5b
VAO II 21 14 09 04.2–.20 19.33S 63.97W 592 6.4b,5.5b
GUC II 21 14 09 05.4–1.2 19.26S 64.27W 601 6.4b,5.5b
GCMT II 21 14 09 09.3–.10 19.27S–.01 63.79W–.01 606–0 6.5W,5.5b
NEIC II 21 14 09 12.4 19.29S 64.01W 600 6.5W,5.5b
NEIC II 21 14 09 21.9 19.43S 63.68W 602 6.5W,5.5b
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s144.33267°,δ76.85307°,λ-110.99178°. NP2: ϕ_s23.67408°,δ24.61029°,λ-33.10463°. Principal axes: T Plg28.8189°,Azm251.1378° ; N Plg20.4167°,Azm149.3204°; P Plg53.4854°,Azm29.1370°
SCB Event type se. Error ellipse: s-maj=14.6km s-min=9.4km az=0.0.
MOS Error ellipse: s-maj=8.9km s-min=6.2km az=81.5.
NEIC Event type se. Error ellipse: s-maj=13.1km s-min=11.8km az=63.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-3.50 $M_{\theta\theta}$-0.87 $M_{\phi\phi}$4.37 $M_{r\theta}$-2.57 $M_{\theta\phi}$0.07 $M_{\phi r}$5.76 NP1:ϕ_s23.83000°,δ20.30000°,λ-47.53000°. NP2:ϕ_s159.52000°,δ75.17000° ,λ-104.03000°. Principal axes: T 7.5668,Plg29.0000°,Azm261.0000°; N -0.1977,Plg14.0000° ,Azm163.0000°; P -7.3692,Plg58.0000°,Azm51.0000° $M_0$7.47000×10^{18}
IDC Error ellipse: s-maj=7.1km s-min=5.5km az=72.0.
VAO Error ellipse: s-maj=2.1km s-min=2.8km az=-1.0.
GUC Error ellipse: s-maj=4.6km s-min=6.6km az=-1.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to mantle waves, cutoff=125s.
Triangular moment-rate function. Moment Tensor Solution. s166,c425; s159,c245;
Duration: 4ş3 Moment tensor: Scale 10^{18}Nm; M_{rr}-3.18±.03 $M_{\theta\theta}$-0.78±.04; $M_{\phi\phi}$3.96±.04; $M_{r\theta}$-2.34±.03; $M_{\theta\phi}$0.03±.04; $M_{\phi r}$5.52±.03; Best double couple: NP1:ϕ_s160.00000°,δ76.00000° ,λ-103.00000°. NP2:ϕ_s23.00000°,δ19.00000°,λ-49.00000°. Principal axes: T 7.1220,Plg30.0000°,Azm261.0000°; N -0.2240,Plg13.0000°,Azm163.0000° ; P -6.8930,Plg57.0000°,Azm53.0000° $M_0$7.00800×10^{18}
NEIC Event type se. Moment Tensor Solution.Duration: 9ş1 Moment tensor: Scale 10^{18}Nm; M_{rr}-3.05 $M_{\theta\theta}$-0.89 $M_{\phi\phi}$3.93 $M_{r\theta}$-2.04 $M_{\theta\phi}$0.13 $M_{\phi r}$5.43 NP1:ϕ_s162.03000°,δ75.53000° ,λ-103.04000°. NP2:ϕ_s24.86000°,δ19.39000°,λ-48.83000°. Principal axes: T 6.9962,Plg29.0000°,Azm263.0000°; N -0.3806,Plg13.0000°,Azm165.0000° ; P -6.6156,Plg58.0000°,Azm55.0000° $M_0$6.81000×10^{18}
NEIC Event type se. Moment Tensor Solution.Duration: 9ş8 Moment tensor: Scale 10^{18}Nm; M_{rr}-3.51 $M_{\theta\theta}$-0.74 $M_{\phi\phi}$4.26 $M_{r\theta}$-2.37 $M_{\theta\phi}$-0.26 $M_{\phi r}$5.07 NP1:ϕ_s158.56000°,δ73.49000° ,λ-103.08000°. NP2:ϕ_s17.83000°,δ20.95000°,λ-52.64000°. Principal axes: T 6.9778,Plg27.0000°,Azm259.0000°; N -0.2727,Plg13.0000°,Azm162.0000° ; P -6.7051,Plg59.0000°,Azm50.0000° $M_0$6.84000×10^{18}
ISC II 22 01 50 39.3–.77 21.40S–.05 64.06W–.06 10 41 4-73
IDC II 22 01 50 37.5–1.7 21.27S 64.03W 0 3.7b,3.6 ¶610384784
SCB II 22 01 50 39.2–1.1 21.35S 64.06W 51–20 3.0L,3.6
VAO II 22 01 51 01.2–.59 20.05S 62.91W 344–17 3.4b,3.6
ISC Event type se.
IDC Error ellipse: s-maj=24.5km s-min=21.2km az=61.0.
SCB Event type se. Error ellipse: s-maj=9.1km s-min=8.1km az=359.0.
VAO Error ellipse: s-maj=5.8km s-min=5.7km az=-1.0.
ISC II 22 14 49 43.4–1.4 21.52S–.07 66.95W–.05 210–11 45 1-145
GUC II 22 14 49 44.8–.70 21.53S 67.07W 222–11 3.3L ¶610384816
SCB II 22 14 49 44.3–1.2 21.54S 66.98W 202–10 3.3L
IDC II 22 14 49 52.2–6.3 20.59S 66.28W 277–49 3.6,3.0b
ISC Event type se.
GUC Error ellipse: s-maj=2.5km s-min=8.6km az=-1.0.
SCB Event type se. Error ellipse: s-maj=6.0km s-min=4.6km az=0.0.
IDC Error ellipse: s-maj=84.5km s-min=24.8km az=4.0.
ISC II 24 03 36 29.8–2.2 20.69S–.06 66.87W–.06 239–17 43 1-5
SJA II 24 03 36 29.6–1.8 20.68S 66.59W 200 3.5W,3.5L ¶615316912
SCB II 24 03 36 30.1–1.3 20.71S 66.84W 237–10 4.0L,3.4W
ISC Event type se.
SJA Error ellipse: s-maj=7.2km s-min=10.9km az=-1.0. Hypocentre not reviewed by the ISC.
SCB Event type se. Error ellipse: s-maj=5.2km s-min=4.1km az=2.0.
ISC II 24 15 19 32.2–1.1 21.27S–.07 64.07W–.06 10 17 1-73
SCB II 24 15 19 29.1–1.3 21.32S 64.07W 32–34 3.5L ¶610384940
IDC II 24 15 19 30.6–1.6 21.16S 64.04W 0 3.7b,3.7L
ISC Event type se.
SCB Event type se. Error ellipse: s-maj=34.5km s-min=34.4km az=0.0.
IDC Error ellipse: s-maj=21.3km s-min=20.9km az=175.0.
SCB III 19 15 35 51.6–1.1 20.80S 66.84W 230–12 4.2W,2.8L ¶615317123
SCB Event type se. Error ellipse: s-maj=7.4km s-min=4.5km az=0.0.
SCB III 21 17 38 05.0–.88 21.35S 66.82W 210–8 3.5W,3.4L ¶615317141
SCB Event type se. Error ellipse: s-maj=3.2km s-min=2.4km az=2.0.
ISC III 27 20 32 21.9–.53 20.83S–.03 67.37W–.04 206–5 4.3b 205 2-169
SJA III 27 20 32 20.7–2.1 20.83S 67.12W 175 4.0W,4.0L ¶610437091
NEIC III 27 20 32 22.0–1.9 20.82S–.06 67.34W–.09 202–7 4.5L,4.4b
IDC III 27 20 32 21.5–.74 20.89S 67.25W 196–7 4.3,3.8b
VAO III 27 20 32 22.2–.25 20.74S 67.35W 203–3 4.3b,3.8b
SCB III 27 20 32 23.0–1.2 20.89S 67.39W 197–8 4.3L,3.9W
GUC III 27 20 32 23.2–.72 20.87S 67.51W 220–7 4.5L,3.9W
ISC Event type se.
SJA Error ellipse: s-maj=7.6km s-min=10.2km az=-1.0. Hypocentre not reviewed by the ISC.
NEIC Event type se. Error ellipse: s-maj=12.5km s-min=9.0km az=89.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=13.5km s-min=10.7km az=126.0.
VAO Error ellipse: s-maj=2.2km s-min=2.9km az=-1.0.
SCB Event type se. Error ellipse: s-maj=3.6km s-min=3.0km az=0.0.
GUC Error ellipse: s-maj=1.8km s-min=6.9km az=-1.0.
SCB III 29 16 07 54.0–1.4 20.00S 66.99W 237–17 3.7L,2.8W ¶615317200
SCB Event type se. Error ellipse: s-maj=8.0km s-min=5.3km az=2.0.
ISC IV 02 13 06 36.7–2.0 20.38S–.04 66.85W–.05 256–16 49 1-5
SJA IV 02 13 06 36.1–1.5 20.27S 66.74W 250 3.9L,3.6W ¶615317232
SCB IV 02 13 06 37.1–1.0 20.37S 66.84W 246–8 3.6L,3.2W
ISC Event type se.
SJA Error ellipse: s-maj=6.5km s-min=10.0km az=-1.0.
SCB Event type se. Error ellipse: s-maj=4.1km s-min=3.4km az=2.0.
ISC IV 09 13 15 01.8–.96 19.56S–.05 67.49W–.06 211 29 2-90
IDC IV 09 13 15 01.1–.88 19.57S 67.32W 208–13 3.7,3.4b ¶610652301
SCB IV 09 13 15 01.8–1.1 19.59S 67.53W 220–10 3.5L,3.3W
ISC Event type se.
IDC Error ellipse: s-maj=28.5km s-min=9.7km az=99.0.
SCB Event type se. Error ellipse: s-maj=4.0km s-min=3.2km az=2.0.
ISC IV 11 07 29 02.3–.60 19.40S–.08 64.07W–.09 600 3.5b 37 2-151
SCB IV 11 07 28 53.6–2.2 19.64S 64.12W 631–32 5.0L,3.7W ¶610652437
IDC IV 11 07 29 02.0–.66 19.39S 64.07W 596–8 4.0,2.9b
ISC Event type se.
SCB Event type se. Error ellipse: s-maj=21.5km s-min=16.8km az=2.0.
IDC Error ellipse: s-maj=15.7km s-min=12.0km az=121.0.
SCB IV 16 17 51 20.0–.85 21.40S 66.76W 220–9 3.5L,3.0W ¶615317373
SCB Event type se. Error ellipse: s-maj=4.0km s-min=3.5km az=1.0.
SCB IV 17 06 12 32.3–1.1 20.59S 66.94W 228–9 3.7W,3.2L ¶615317380
SCB Event type se. Error ellipse: s-maj=4.4km s-min=3.4km az=2.0.
ISC IV 20 01 28 21.5–.54 21.65S–.04 66.87W–.04 221–6 4.2b 288 1-169
SJA IV 20 01 28 19.8–1.1 21.55S 66.79W 225 4.3W,4.2L ¶610544104
IDC IV 20 01 28 20.6–.85 21.60S 66.71W 201–8 4.3,3.7b
VAO IV 20 01 28 21.8–.27 21.57S 66.88W 229 4.3b,3.7b
NEIC IV 20 01 28 21.5–1.9 21.65S–.07 66.83W–.05 214–7 4.5,4.3b
GUC IV 20 01 28 22.9–.60 21.68S 66.99W 226–7 4.6L,4.3b
SCB IV 20 01 28 22.5–1.3 21.66S 66.90W 204–9 4.5L,3.8W
ISC Event type se.
SJA Error ellipse: s-maj=3.3km s-min=4.3km az=-1.0.
IDC Error ellipse: s-maj=14.2km s-min=10.8km az=110.0.
VAO Error ellipse: s-maj=2.4km s-min=3.1km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=5.8km az=196.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=2.1km s-min=6.0km az=-1.0.
SCB Event type se. Error ellipse: s-maj=4.1km s-min=3.3km az=2.0.
SCB IV 21 07 10 28.9–1.5 21.42S 66.60W 223–12 2.3L ¶615317433
SCB Event type se. Error ellipse: s-maj=6.8km s-min=5.7km az=0.0.
ISC IV 23 01 28 20.8–2.1 21.46S–.05 66.76W–.06 213–16 33 1-5
SCB IV 23 01 28 20.6–1.3 21.45S 66.76W 211–9 3.6L ¶615317452
ISC Event type se.
SCB Event type se. Error ellipse: s-maj=4.0km s-min=3.5km az=1.0.
ISC IV 25 09 17 57.9–1.6 20.85S–.03 67.98W–.05 179–13 54 1-5
SCB IV 25 09 17 58.7–.84 20.87S 67.96W 161–7 3.4L,3.1W ¶615317486
GUC IV 25 09 17 58.9–.78 20.82S 68.06W 186–6 3.5L,3.1W
ISC Event type se.
SCB Event type se. Error ellipse: s-maj=2.4km s-min=1.9km az=1.0.
GUC Error ellipse: s-maj=1.6km s-min=7.2km az=-1.0.
ISC IV 27 11 18 09.7–.55 19.46S–.07 64.06W–.07 600 4.0b 83 2-151
SCB IV 27 11 17 58.3–2.6 19.60S 64.07W 660–39 4.8L,4.1W ¶610650125
IDC IV 27 11 18 09.6–.67 19.44S 63.98W 591–8 4.3,3.4b
VAO IV 27 11 18 10.0–.34 19.49S 63.93W 598–5 3.9b,3.4b
SJA IV 27 11 18 12.1–.69 19.65S 64.53W 567–22 4.4L,4.1W
ISC Event type se.
SCB Event type se. Error ellipse: s-maj=16.4km s-min=11.5km az=0.0.
IDC Error ellipse: s-maj=16.7km s-min=11.9km az=123.0.
VAO Error ellipse: s-maj=3.6km s-min=4.4km az=-1.0.
SJA Error ellipse: s-maj=24.4km s-min=22.4km az=-1.0.
SCB IV 27 11 56 47.3–1.1 21.58S 66.99W 204–10 3.9L ¶615317510
SCB Event type se. Error ellipse: s-maj=3.9km s-min=2.6km az=2.0.
ISC V 01 04 26 57.2–1.1 19.50S–.06 66.97W–.08 250 22 2-75
SCB V 01 04 26 56.3–.81 19.54S 66.98W 262–11 3.5W,3.5L ¶610689279
IDC V 01 04 26 59.8–3.4 18.90S 67.92W 319–212 3.4,2.8b
ISC Event type se.
SCB Event type se. Error ellipse: s-maj=4.6km s-min=2.9km az=1.0.
IDC Error ellipse: s-maj=625.3km s-min=24.5km az=114.0.
ISC V 02 15 53 18.7–.84 19.13S–.04 67.99W–.06 202–8 84 1-151
SJA V 02 15 53 16.7–1.1 19.17S 68.16W 240–9 3.5W,3.5L ¶610689404
IDC V 02 15 53 18.1–.78 19.15S 67.75W 189–8 4.0,3.5b
SCB V 02 15 53 19.0–1.2 19.18S 68.09W 207–11 3.6L,3.4W
GUC V 02 15 53 19.5–.81 19.15S 68.14W 217–7 3.7L,3.4W
ISC Event type se.
SJA Error ellipse: s-maj=5.4km s-min=11.5km az=-1.0.
IDC Error ellipse: s-maj=20.0km s-min=8.6km az=100.0.
SCB Event type se. Error ellipse: s-maj=6.7km s-min=4.8km az=1.0.
GUC Error ellipse: s-maj=2.7km s-min=8.2km az=-1.0.
ISC V 07 18 28 12.3–.81 20.90S–.04 67.56W–.04 194–7 91 2-144
SJA V 07 18 28 10.8–.75 20.91S 67.61W 219–6 3.7L,3.5W ¶610689749
IDC V 07 18 28 12.3–1.1 20.96S 67.34W 183–13 3.7,3.3b
SCB V 07 18 28 14.0–1.2 20.91S 67.58W 172–10 3.7L,3.4W
GUC V 07 18 28 14.1–.63 20.87S 67.91W 204–7 3.5L,3.4W
ISC Event type se.
SJA Error ellipse: s-maj=2.4km s-min=3.1km az=-1.0.
IDC Error ellipse: s-maj=31.4km s-min=14.8km az=113.0.
SCB Event type se. Error ellipse: s-maj=4.0km s-min=3.5km az=0.0.
GUC Error ellipse: s-maj=2.1km s-min=8.8km az=-1.0.
ISC V 08 21 15 10.8–.66 20.74S–.03 67.95W–.04 166–6 4.1b 192 1-151
NEIC V 08 21 15 09.4–1.8 20.76S–.07 68.0W–.10 199–12 4.2L,4.0b ¶610618185
IDC V 08 21 15 10.8–.80 20.71S 67.68W 148–8 4.2,3.7s
SJA V 08 21 15 11.6–1.8 20.74S 67.89W 150 4.0L,3.9W
GUC V 08 21 15 12.6–.71 20.75S 67.96W 166–6 4.2L,3.9W
SCB V 08 21 15 12.0–1.0 20.78S 67.97W 155–8 3.8W,3.8L
ISC Event type se.

NEIC Event type se. Error ellipse: s-maj=19.7km s-min=9.4km az=99.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=17.8km s-min=8.8km az=106.0.
SJA Error ellipse: s-maj=3.7km s-min=7.1km az=-1.0.
GUC Error ellipse: s-maj=1.4km s-min=6.0km az=-1.0.
SCB Event type se. Error ellipse: s-maj=2.4km s-min=2.1km az=1.0.
ISC V 13 19 46 09.4–.52 21.70S–.03 66.85W–.04 222–5 4.5b 360 1-169
IDC V 13 19 46 08.8–.68 21.64S 66.70W 208–6 4.5,4.0b **¶616717716**
NEIC V 13 19 46 09.0–1.4 21.66S–.05 66.74W–.07 213–5 4.6b,4.0b
SJA V 13 19 46 09.2–1.5 21.69S 66.84W 225 4.6L,4.5W
GUC V 13 19 46 10.5–.75 21.68S 67.04W 247–10 5.0L,4.5W
VAO V 13 19 46 10.6–.48 21.55S 66.71W 222–4 4.5b,4.5W
SCB V 13 19 46 10.7–1.1 21.72S 66.87W 205–8 5.0L,3.7W
ISC Event type se.
IDC Error ellipse: s-maj=10.3km s-min=8.4km az=88.0.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=6.2km az=109.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SJA Error ellipse: s-maj=5.3km s-min=4.5km az=-1.0.
GUC Error ellipse: s-maj=2.5km s-min=9.5km az=-1.0.
VAO Error ellipse: s-maj=2.5km s-min=4.3km az=-1.0.
SCB Event type se. Error ellipse: s-maj=4.3km s-min=3.8km az=2.0.
ISC V 17 04 29 13.5–1.2 19.48S–.05 67.42W–.07 200 26 1-75
IDC V 17 04 29 09.9–1.8 14.93S 64.64W 0 3.7b,3.4 **¶615317832**
SCB V 17 04 29 14.3–1.3 19.49S 67.48W 209–16 3.1L,3.4
ISC Event type se.
IDC Error ellipse: s-maj=82.6km s-min=31.3km az=168.0.
SCB Event type se. Error ellipse: s-maj=7.0km s-min=4.8km az=1.0.
ISC V 21 06 53 20.3–.99 21.45S–.06 66.73W–.05 219 30 1-144
IDC V 21 06 53 19.6–1.2 21.51S 66.56W 206–17 3.5,3.1s **¶610685070**
SCB V 21 06 53 21.6–1.1 21.47S 66.79W 215–7 3.3L,2.6W
ISC Event type se.
IDC Error ellipse: s-maj=29.4km s-min=12.7km az=121.0.
SCB Event type se. Error ellipse: s-maj=4.7km s-min=3.2km az=0.0.
ISC V 24 05 46 17.8–1.0 21.41S–.05 66.72W–.05 219 29 1-92
SCB V 24 05 46 18.8–1.4 21.40S 66.75W 213–9 3.7L,3.2W **¶610685272**
IDC V 24 05 46 18.1–9.1 21.33S 66.45W 224–60 3.8,3.3b
ISC Event type se.
SCB Event type se. Error ellipse: s-maj=4.5km s-min=3.8km az=0.0.
IDC Error ellipse: s-maj=117.3km s-min=47.2km az=28.0.
ISC V 30 08 40 42.2–1.4 19.10S–.05 67.25W–.06 220 33 1-6
SCB V 30 08 40 42.0–1.4 19.08S 67.27W 222–16 3.7L,3.2W **¶615318242**
ISC Event type se.
SCB Event type se. Error ellipse: s-maj=5.8km s-min=3.5km az=1.0.
SCB VI 01 09 14 26.4–1.4 19.41S 67.39W 231–11 3.5L,3.4W
¶615318921
SCB Event type se. Error ellipse: s-maj=4.8km s-min=3.7km az=1.0.
ISC VI 05 02 43 30.1–2.1 21.52S–.06 66.92W–.05 208–18 31 1-5
SJA VI 05 02 43 28.1–.62 21.36S 66.81W 217–8 3.7L,3.3W **¶615318967**
SCB VI 05 02 43 30.4–1.1 21.53S 66.91W 201–13 3.2L,2.6W
ISC Event type se.
SJA Error ellipse: s-maj=5.0km s-min=2.9km az=-1.0.
SCB Event type se. Error ellipse: s-maj=4.8km s-min=3.3km az=0.0.
ISC VI 15 09 54 32.9–.49 21.51S–.03 66.82W–.04 216–4 4.7b 405 1-168
SJA VI 15 09 54 31.2–.59 21.52S 66.80W 251–4 5.0L,4.7W **¶610675176**
IDC VI 15 09 54 32.8–.63 21.45S 66.67W 204–5 5.0,4.5b
NEIC VI 15 09 54 32.4–2.6 21.53S–.05 66.79W–.08 216–5 4.8L,4.7b
GUC VI 15 09 54 33.6–.72 21.54S 66.92W 237–11 4.8L,4.7b
VAO VI 15 09 54 33.4–.30 21.38S 66.79W 224–3 5.1b,4.7b
SCB VI 15 09 54 34.0–1.4 21.53S 66.84W 209–8 4.9L,4.7W
GCMT VI 15 09 54 36.4–.40 21.42S–.02 66.39W–.03 243–3 5.1W,4.7W
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SCB Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s23,c25; s71,c88;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-1.77±.18 $M_{\theta\theta}$5.35±.19; $M_{\phi\phi}$-3.58±.23; $M_{r\theta}$0.26±.16; $M_{\theta\phi}$0.92±.24; $M_{\phi r}$2.12±.21; Best double couple: NP1:ϕ_s224.00000°,δ70.00000°,λ-153.00000°. NP2:ϕ_s124.00000°,δ64.00000°,λ-22.00000°. Principal axes: T 5.4780,Plg4.0000° ,Azm353.0000°; N -0.4590,Plg57.0000°,Azm257.0000°; P -5.0190,Plg33.0000° ,Azm86.0000° $M_0$5.24800×10^{16}
ISC VI 15 18 52 48.9–.57 19.99S–.04 66.90W–.04 242–6 3.7b 154 2-152
SJA VI 15 18 52 46.8–.70 19.90S 67.09W 297–8 4.3L,3.9W **¶610791960**
IDC VI 15 18 52 48.2–.76 19.93S 66.71W 230–7 4.0,3.5b
SCB VI 15 18 52 49.8–1.3 20.01S 66.98W 241–11 4.1L,3.9W
NEIC VI 15 18 52 49.2–1.9 20.08S–.07 66.88W–.09 242–10 4.3b,3.9W
VAO VI 15 18 52 52.8–.85 19.67S 66.58W 243–6 4.0b,3.9W
ISC Event type se.
SJA Error ellipse: s-maj=3.7km s-min=8.8km az=-1.0.
IDC Error ellipse: s-maj=14.2km s-min=8.1km az=106.0.
SCB Event type se. Error ellipse: s-maj=4.0km s-min=3.8km az=0.0.
NEIC Event type se. Error ellipse: s-maj=13.0km s-min=10.5km az=86.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Error ellipse: s-maj=5.9km s-min=8.2km az=-1.0.
ISC VI 17 05 56 34.1–.57 20.62S–.04 66.87W–.05 246–7 3.9b 161 2-168
IDC VI 17 05 56 33.7–.79 20.60S 66.83W 235–11 3.7,3.0b **¶610678745**
SJA VI 17 05 56 33.5–.71 20.67S 66.81W 252–5 3.8L,3.7W
SCB VI 17 05 56 34.5–1.5 20.66S 66.85W 242–15 4.3L,3.6W
VAO VI 17 05 56 35.2–.38 20.57S 66.93W 257–6 3.8b,3.6W
NEIC VI 17 05 56 35.1–1.9 20.62S–.07 66.94W–.06 255–11 4.3b,3.6W
ISC Event type se.
SCB Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 17 14 13 01.1–.72 20.77S–.04 67.46W–.05 191–8 89 2-144
SJA VI 17 14 13 00.4–.76 20.78S 67.67W 221–9 3.7W,3.7L **¶610792062**
IDC VI 17 14 13 00.9–1.0 20.83S 67.31W 190–14 3.8,3.0b
VAO VI 17 14 13 01.2–.71 20.40S 67.47W 162–7 4.1b,3.0b
SCB VI 17 14 13 01.5–1.6 20.78S 67.54W 187–16 3.8L,3.5W
ISC Event type se.
SJA Error ellipse: s-maj=2.8km s-min=7.5km az=-1.0.
IDC Error ellipse: s-maj=22.9km s-min=16.2km az=118.0.
VAO Error ellipse: s-maj=7.7km s-min=6.6km az=-1.0.
SCB Event type se. Error ellipse: s-maj=5.9km s-min=3.2km az=1.0.
SCB VI 18 11 39 19.7–.60 20.84S 67.64W 156–8 2.7L
¶615319126
SCB Event type se. Error ellipse: s-maj=4.6km s-min=1.7km az=0.0.
ISC VI 22 23 36 37.3–.61 21.51S–.04 66.81W–.04 242–7 170 1-144
SJA VI 22 23 36 36.5–.71 21.45S 66.70W 245–6 4.0L,3.8W **¶610693787**
VAO VI 22 23 36 37.5–.31 21.58S 67.02W 261 3.8b,3.8W
IDC VI 22 23 36 37.5–1.1 21.49S 66.68W 223–19 4.0,3.6b
NEIC VI 22 23 36 38.4–1.3 21.50S–.07 67.0W–.10 261–17 4.3b,3.6b
SCB VI 22 23 36 39.0–1.3 21.51S 66.80W 217–10 4.2L,3.5W
ISC Event type se.
SJA Error ellipse: s-maj=2.8km s-min=2.3km az=-1.0.
VAO Error ellipse: s-maj=3.9km s-min=3.7km az=-1.0.
IDC Error ellipse: s-maj=34.3km s-min=13.7km az=107.0.
NEIC Event type se. Error ellipse: s-maj=17.7km s-min=9.1km az=76.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SCB Event type se. Error ellipse: s-maj=4.8km s-min=3.9km az=1.0.
ISC VI 25 12 54 30.9–1.2 20.36S–.07 63.78W–.07 35 18 2-76
SCB VI 25 12 54 23.9–1.0 20.37S 63.86W 18–6 3.9W,3.6L **¶610789447**
IDC VI 25 12 54 32.3–3.2 20.22S 63.80W 35–36 3.6,3.6L
ISC Event type se.
SCB Event type se. Error ellipse: s-maj=4.8km s-min=3.1km az=0.0.
IDC Error ellipse: s-maj=25.0km s-min=21.2km az=95.0.
ISC VI 27 06 08 26.5–.65 21.36S–.04 66.70W–.05 228–8 89 1-75
SCB VI 27 06 08 26.5–1.4 21.37S 66.68W 222–8 3.8L,3.1W **¶610789547**
SJA VI 27 06 08 26.2–1.3 21.31S 66.65W 225 3.5W,3.2L
IDC VI 27 06 08 27.1–2.2 21.28S 66.73W 246–35 3.8,3.8b
VAO VI 27 06 08 27.3–.23 21.28S 66.49W 193 3.8b,3.8b
ISC Event type se.
SCB Event type se. Error ellipse: s-maj=5.0km s-min=3.8km az=0.0.
SJA Error ellipse: s-maj=5.2km s-min=5.5km az=-1.0.
IDC Error ellipse: s-maj=45.0km s-min=19.0km az=107.0.
VAO Error ellipse: s-maj=2.5km s-min=2.7km az=-1.0.
ISC VI 30 14 17 32.7–.71 20.97S–.04 66.94W–.05 218–7 4.2b 94 1-75
IDC VI 30 14 17 31.9–.90 20.99S 66.76W 212–11 3.8,3.2b **¶610789791**
GUC VI 30 14 17 33.8–.59 20.98S 67.24W 252–8 4.3L,3.2b
SCB VI 30 14 17 33.1–1.3 21.00S 66.96W 218–14 4.2L,3.7W
NEIC VI 30 14 17 34.6–1.4 20.97S–.07 67.2W–.20 238–8 4.3b,4.3L
ISC Event type se.
SCB Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(127) Chile-Argentina border region.

ISC I 02 08 39 13.4–.81 33.93S–.04 70.58W–.05 96–6 89 0-56
GUC I 02 08 39 13.6–.63 33.94S 70.55W 89–2 3.6L **¶610570343**
NEIC I 02 08 39 13.8–1.9 33.93S–.05 70.62W–.05 95–7 4.2b,3.6L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 02 14 01 29.8–.66 24.28S–.04 67.31W–.06 193–8 3.6b 98 2-170
NEIC I 02 14 01 30.6–1.4 24.28S–.07 67.4W–.20 217–13 4.4L,4.2b **¶609975318**
IDC I 02 14 01 30.4–1.5 24.28S 66.99W 170–13 3.8,3.3b
GUC I 02 14 01 31.6–.57 24.33S 67.39W 199–7 4.3L,3.3b
VAO I 02 14 01 33.4–.73 23.81S 67.36W 216–7 4.0b,3.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.5km s-min=10.7km az=90.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=21.4km s-min=17.0km az=27.0.
GUC Error ellipse: s-maj=4.4km s-min=5.2km az=-1.0.
VAO Error ellipse: s-maj=7.2km s-min=8.0km az=-1.0.
ISC I 02 17 20 40.7–.87 28.32S–.04 69.44W–.08 122–8 32 1-151
IDC I 02 17 20 36.1–9.5 29.35S 69.77W 94–73 4.0L,3.4 **¶610236494**
GUC I 02 17 20 39.5–.81 28.30S 69.42W 128–6 3.6L,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=100.5km s-min=53.7km az=37.0.
GUC Error ellipse: s-maj=2.1km s-min=5.2km az=-1.0.
ISC I 07 01 15 53.7–.68 29.01S–.03 69.59W–.06 116–6 4.2b 78 1-152
IDC I 07 01 15 53.2–1.4 28.97S 69.57W 93–12 3.9,3.7b **¶610236869**
GUC I 07 01 15 54.9–.77 28.99S 69.71W 128–5 4.0L,3.7b
NEIC I 07 01 15 54.2–1.9 29.01S–.05 69.64W–.10 125–6 4.2b,4.1L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 10 14 59 48.4–.54 31.32S–.02 70.88W–.03 86–4 4.9b 293 0-175
VAO I 10 14 59 40.7–2.0 31.70S 71.18W 43–10 4.9b **¶610051617**
IDC I 10 14 59 47.4–2.8 31.35S 70.69W 63–23 4.6,4.6L
SJA I 10 14 59 48.5–.74 31.33S 70.91W 91–3 4.7L,4.6W
GUC I 10 14 59 49.7–.76 31.34S 70.94W 93–3 4.9L,4.6W
NEIC I 10 14 59 49.3–1.9 31.35S–.04 70.92W–.09 88–4 4.9L,4.6W
NEIC I 10 14 59 49 31.34S 70.94W 93 4.9L,4.6W
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s143.32056°,δ89.87386°,λ-174.46030°. NP2: ϕ_s53.30832°,δ84.46031°,λ-0.12674°. Principal axes: T Plg3.8247°,Azm278.1804° ; N Plg84.4589°,Azm144.6209°; P Plg4.0035°,Azm8.4485°
VAO Error ellipse: s-maj=11.9km s-min=12.4km az=-1.0.
IDC Error ellipse: s-maj=29.9km s-min=17.7km az=113.0.
SJA Error ellipse: s-maj=1.2km s-min=2.5km az=-1.0.
GUC Error ellipse: s-maj=0.9km s-min=4.6km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=6.2km az=89.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-1.60 $M_{\theta\theta}$-5.03 $M_{\phi\phi}$6.64 $M_{r\theta}$-1.68 $M_{\theta\phi}$2.19 $M_{\phi r}$2.52 NP1:ϕ_s148.10000°,δ82.44000°,λ-151.69000°. NP2:ϕ_s54.05000°,δ61.96000° ,λ-8.57000°. Principal axes: T 7.5716,Plg14.0000°,Azm278.0000°; N -1.1510,Plg61.0000° ,Azm162.0000°; P -6.4206,Plg25.0000°,Azm15.0000° $M_0$7.07000×10^{15}
NEIC Event type se.
ISC I 11 20 21 27.2–1.1 24.30S–.04 67.4W–.10 214–9 78 2-147
NEIC I 11 20 21 23.3–1.3 24.49S–.08 67.0W–.10 220–2 4.0L **¶610237192**
IDC I 11 20 21 27.8–2.4 24.14S 66.98W 172–16 4.2b,4.1
GUC I 11 20 21 28.2–.53 24.21S 67.42W 220–5 4.0L,4.1
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.6km s-min=13.3km az=270.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=55.8km s-min=20.7km az=21.0.
GUC Error ellipse: s-maj=4.9km s-min=4.5km az=-1.0.
ISC I 12 12 57 05.6–.74 33.69S–.03 70.59W–.04 100–4 4.4b 162 0-57
SJA I 12 12 57 04.7–.68 33.70S 70.57W 103–2 4.0L,3.8W **¶610570634**
NEIC I 12 12 57 05.9–1.8 33.68S–.05 70.52W–.06 97–7 4.4b,4.1L
GUC I 12 12 57 06.1–.65 33.68S 70.53W 97–2 4.1L,4.1L
ISC Event type se.
SJA Error ellipse: s-maj=1.6km s-min=3.3km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=7.8km s-min=6.3km az=133.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=1.5km s-min=2.6km az=-1.0.
ISC I 14 00 57 58.4–.64 23.89S–.04 67.09W–.06 184–7 3.8b 132 1-170
IDC I 14 00 57 58.9–1.1 23.90S 66.96W 175–10 3.9,3.6b **¶610087847**
VAO I 14 00 57 58.1–2.1 23.61S 67.27W 185–9 4.0b,3.6b
NEIC I 14 00 57 58.8–1.7 23.88S–.06 67.1W–.10 195–19 4.1L,4.1b
GUC I 14 00 58 01.2–.77 23.81S 67.22W 195–5 4.1L,4.1b
ISC Event type se.
IDC Error ellipse: s-maj=18.9km s-min=14.4km az=32.0.
VAO Error ellipse: s-maj=7.1km s-min=17.0km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=16.9km s-min=8.7km az=103.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=3.3km s-min=5.0km az=-1.0.
ISC I 15 07 28 48.5–.93 24.48S–.05 67.3W–.10 185–13 34 2-147
IDC I 15 07 28 47.5–1.4 24.51S 66.92W 148–22 3.7 **¶610237419**
GUC I 15 07 28 50.9–.61 24.21S 67.62W 214–9 4.5L
ISC Event type ke.
IDC Error ellipse: s-maj=29.6km s-min=14.0km az=84.0.
GUC Error ellipse: s-maj=6.4km s-min=8.0km az=-1.0.
ISC I 19 05 52 06.4–.59 24.04S–.03 67.05W–.03 196–6 4.0b 223 1-151
SJA I 19 05 52 04.6–1.1 24.00S 67.01W 216–6 4.2L,3.9W **¶610237708**
NEIC I 19 05 52 06.3–2.0 24.06S–.07 66.99W–.10 187–10 4.4L,4.2b
IDC I 19 05 52 06.2–1.2 24.00S 66.83W 182–11 4.0,3.5b
GUC I 19 05 52 07.6–.59 23.89S 67.25W 229–5 4.4L,3.5b
VAO I 19 05 52 11.4–1.1 23.61S 66.70W 211–8 4.0b,3.5b
ISC Event type se.
SJA Error ellipse: s-maj=2.3km s-min=2.5km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=13.3km s-min=9.8km az=91.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=16.8km s-min=15.0km az=137.0.
GUC Error ellipse: s-maj=5.7km s-min=5.5km az=-1.0.
VAO Error ellipse: s-maj=6.2km s-min=9.5km az=-1.0.
ISC I 21 15 07 23.0–.40 24.20S–.03 68.83W–.04 105–3 4.6b 278 1-171
SJA I 21 15 07 21.7–.71 24.16S 68.90W 100–8 4.5L,4.3W **¶610104791**
VAO I 21 15 07 22.8–.59 23.88S 68.42W 58–4 4.8b,4.3W
NEIC I 21 15 07 22.5–3.0 24.20S–.05 68.89W–.04 102–6 4.8b,4.5
IDC I 21 15 07 24.7–.54 24.17S 68.72W 105–3 4.4,4.1b
GUC I 21 15 07 27.0–.80 23.85S 69.11W 138–7 4.2L,4.1b

ISC Event type se. Moment Tensor Solution. NP1:ϕ_s183.45523°,δ24.63880°,λ-89.02861°. NP2: ϕ_s2.38656°,δ65.36498°,λ-90.44550°. Principal axes: T Plg20.3638°,Azm92.7226° ; N Plg0.4050°,Azm2.5723°; P Plg69.6318°,Azm271.4814°
SJA Error ellipse: s-maj=1.9km s-min=3.5km az=-1.0.
VAO Error ellipse: s-maj=3.8km s-min=4.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=8.1km s-min=3.9km az=153.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-4.61 $M_{\theta\theta}$-0.69 $M_{\phi\phi}$5.29 $M_{r\theta}$-0.03 $M_{\theta\phi}$-1.66 $M_{\phi r}$-1.85 NP1:ϕ_s352.26000°,δ54.94000°,λ-81.43000°. NP2:ϕ_s157.56000° ,δ35.96000°,λ-101.99000°. Principal axes: T 6.0229,Plg10.0000°,Azm76.0000° ; N -1.0555,Plg7.0000°,Azm167.0000°; P -4.9674,Plg78.0000°,Azm293.0000° $M_0$5.57000$\times 10^{15}$
IDC Error ellipse: s-maj=17.8km s-min=7.6km az=76.0.
GUC Error ellipse: s-maj=5.9km s-min=6.8km az=-1.0.
GUC I 23 15 22 01.2–.39 24.08S 67.37W 224–6 3.9L ¶612084278
GUC Error ellipse: s-maj=4.2km s-min=5.3km az=-1.0.
ISC I 23 19 00 11.9–.80 24.24S–.05 67.45W–.09 205–13 65 2-147
VAO I 23 19 00 10.4–3.1 24.42S 67.81W 246–33 4.1b **¶610114171**
NEIC I 23 19 00 12.5–.83 24.24S–.03 67.6W–.20 224–20 4.3b,4.2L
GUC I 23 19 00 14.3–.63 23.99S 67.73W 220–8 4.2L,4.2L
IDC I 23 19 00 17.3–2.6 23.83S 66.91W 201–30 4.0,3.4b
ISC Event type se.
VAO Error ellipse: s-maj=33.1km s-min=45.0km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=26.8km s-min=3.8km az=89.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=5.1km s-min=7.3km az=-1.0.
IDC Error ellipse: s-maj=31.9km s-min=21.6km az=106.0.
ISC I 28 03 39 37.3–.52 24.20S–.05 67.20W–.06 181 3.2b 87 2-147
IDC I 28 03 39 38.0–1.4 24.10S 67.05W 176–12 3.8,3.2b **¶610235533**
GUC I 28 03 39 38.9–.69 24.24S 67.49W 204–13 4.0L,3.2b
VAO I 28 03 39 43.3–.61 23.93S 66.91W 223–6 3.9b,3.2b
ISC Event type ke.
IDC Error ellipse: s-maj=20.8km s-min=16.5km az=9.0.
GUC Error ellipse: s-maj=3.7km s-min=9.2km az=-1.0.
VAO Error ellipse: s-maj=3.6km s-min=4.8km az=-1.0.
ISC I 31 13 06 37.9–.58 29.42S–.03 69.54W–.05 119–5 4.5b 215 1-172
SJA I 31 13 06 37.1–.67 29.42S 69.62W 135–4 4.1L,4.0W **¶610159182**
GUC I 31 13 06 38.0–.72 29.42S 69.66W 138–4 4.4L,4.0W
NEIC I 31 13 06 38.6–1.6 29.47S–.04 69.59W–.09 121–6 4.5b,4.4L
IDC I 31 13 06 38.2–1.4 29.40S 69.39W 113–12 4.3,3.9b
VAO I 31 13 06 39.4–.50 29.48S 69.33W 119 4.2b,3.9b
ISC Event type se.
SJA Error ellipse: s-maj=1.3km s-min=4.3km az=-1.0.
GUC Error ellipse: s-maj=1.7km s-min=5.0km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=6.4km az=81.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=21.7km s-min=13.0km az=77.0.
VAO Error ellipse: s-maj=4.1km s-min=4.9km az=-1.0.
ISC II 01 04 40 49.0–1.0 24.15S–.07 67.12W–.08 181 27 2-77
SJA II 01 04 40 48.3–.56 24.12S 67.17W 211–9 3.7L,3.5W **¶610414588**
IDC II 01 04 40 49.6–1.6 24.08S 66.93W 166–31 3.8b,3.7
GUC II 01 04 40 51.7–.61 23.96S 67.44W 223–9 3.9L,3.7
ISC Event type ke.
SJA Error ellipse: s-maj=3.1km s-min=6.4km az=-1.0. Hypocentre not reviewed by the ISC.
IDC Error ellipse: s-maj=35.1km s-min=20.9km az=95.0.
GUC Error ellipse: s-maj=6.2km s-min=7.7km az=-1.0.
ISC II 02 13 52 30.9–1.1 24.02S–.06 67.01W–.09 200 29 2-77
SJA II 02 13 52 29.7–.69 23.95S 66.90W 213–7 3.7W,3.6L **¶610414679**
IDC II 02 13 52 31.0–1.4 23.97S 66.85W 195–29 4.0,3.3b
GUC II 02 13 52 32.4–.48 23.98S 67.22W 227–9 4.1L,3.3b
ISC Event type ke.
SJA Error ellipse: s-maj=4.0km s-min=1.9km az=-1.0. Hypocentre not reviewed by the ISC.
IDC Error ellipse: s-maj=35.6km s-min=21.1km az=98.0.
GUC Error ellipse: s-maj=3.6km s-min=6.6km az=-1.0.
ISC II 03 00 52 25.1–.39 33.13S–.02 69.66W–.03 3–2 5.4b,5.0s 999 1-179
IDC II 03 00 52 24.9–.38 33.06S 69.35W 0 5.1,5.1b **¶611831721**
SJA II 03 00 52 24.4–.84 33.08S 69.62W 10–3 5.3W,5.2L
MOS II 03 00 52 25.8–1.5 33.08S 69.56W 12 5.4b,5.2L
VAO II 03 00 52 26.5–.32 33.13S 69.33W 10 5.4b,5.2L
NEIC II 03 00 52 26.4–2.6 33.09S–.03 69.72W–.01 10–1 5.4,5.4b
GUC II 03 00 52 27.4–.70 33.15S 69.81W 8–2 5.0L,5.4b
NEIC II 03 00 52 31.6 33.10S 69.73W 20 5.0L,5.4b
GCMT II 03 00 52 31.5–.10 33.07S–.01 69.51W–.01 20–0 5.4W,5.4b
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s135.20006°,δ63.16483°,λ-13.94534°. NP2: ϕ_s231.59596°,δ77.58195°,λ-152.46828°. Principal axes: T Plg9.6220°,Azm1.0885° ; N Plg59.9981°,Azm254.0139°; P Plg28.1164°,Azm96.2857°
ISC Hypocentre not reviewed by the ISC.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}1.86 $M_{\theta\theta}$-6.40 $M_{\phi\phi}$4.54 $M_{r\theta}$0.54 $M_{\theta\phi}$0.93 $M_{\phi r}$-3.02 NP1:ϕ_s234.58000°,δ62.94000°,λ20.35000°. NP2:ϕ_s135.00000°,δ71.96000° ,λ151.42000°. Principal axes: T 6.5207,Plg33.0000°,Azm93.0000°; N 0.0343,Plg57.0000° ,Azm285.0000°; P -6.5550,Plg6.0000°,Azm186.0000° $M_0$6.54000$\times 10^{16}$
NEIC Event type se. Moment Tensor Solution.Duration: 2s4 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.68 $M_{\theta\theta}$1.72 $M_{\phi\phi}$-1.04 $M_{r\theta}$0.45 $M_{\theta\phi}$-0.08 $M_{\phi r}$0.69 NP1:ϕ_s233.86000°,δ71.75000° ,λ-143.07000°. NP2:ϕ_s130.62000°,δ55.21000°,λ-22.41000°. Principal axes: T 1.8023,Plg10.0000°,Azm359.0000°; N -0.1923,Plg49.0000°,Azm256.0000° ; P -1.6099,Plg39.0000°,Azm97.0000° $M_0$1.71000$\times 10^{17}$
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s99,c151; s127,c212;Duration: 1s3 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.54±.03 $M_{\theta\theta}$1.57±.03; $M_{\phi\phi}$-1.04±.03; $M_{r\theta}$0.96±.06; $M_{\theta\phi}$-0.22±.02; $M_{\phi r}$0.52±.06; Best double couple: NP1:ϕ_s238.00000°,δ79.00000°,λ-135.00000°. NP2:ϕ_s138.00000°,δ46.00000°,λ-15.00000°. Principal axes: T 1.9440,Plg21.0000° ,Azm0.0000°; N -0.4110,Plg44.0000°,Azm248.0000°; P -1.5410,Plg38.0000°,Azm108.0000° $M_0$1.74200$\times 10^{17}$
ISC II 03 01 16 11.5–1.3 33.11S–.03 69.62W–.04 3–9 4.2b 55 1-155
SJA II 03 01 16 11.9–.82 33.09S 69.62W 10–4 3.6W,3.6L **¶610414708**
IDC II 03 01 16 11.6–1.6 33.33S 69.40W 0 4.3b,4.1
GUC II 03 01 16 13.3–.90 33.14S 69.63W 17–3 3.2L,4.1
ISC Event type ke.
SJA Error ellipse: s-maj=2.4km s-min=1.8km az=-1.0. Hypocentre not reviewed by the ISC.
IDC Error ellipse: s-maj=46.8km s-min=25.3km az=115.0.
GUC Error ellipse: s-maj=1.3km s-min=2.7km az=-1.0.
ISC II 04 19 25 13.8–1.2 33.11S–.03 69.62W–.03 7–9 78 1-152
NEIC II 04 19 25 14.7–1.7 33.11S–.02 69.64W–.04 9–6 4.1b,3.1L **¶610197579**
IDC II 04 19 25 15.7–1.7 33.30S 67.17W 0 3.5,3.5L
GUC II 04 19 25 15.7–.93 33.13S 69.64W 17–3 3.1L,3.5L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=5.5km s-min=2.8km az=114.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=47.3km s-min=19.1km az=92.0.
GUC Error ellipse: s-maj=1.6km s-min=3.1km az=-1.0.
ISC II 13 08 27 51.6–1.2 33.13S–.02 69.65W–.03 7–9 4.2b 91 1-152
IDC II 13 08 27 49.9–1.7 33.25S 69.71W 0 4.0b,3.8 **¶610415435**
NEIC II 13 08 27 52.8–1.7 33.15S–.02 69.66W–.03 10–1 4.5b,3.1L
GUC II 13 08 27 52.7–.93 33.12S 69.64W 18–3 3.1L,3.1L
ISC Event type se.
IDC Error ellipse: s-maj=53.5km s-min=20.0km az=105.0.
NEIC Event type se. Error ellipse: s-maj=5.1km s-min=3.3km az=237.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=1.8km s-min=3.0km az=-1.0.
ISC II 14 00 11 52.4–.81 24.17S–.04 67.49W–.10 209–10 87 2-170
SJA II 14 00 11 50.0–.76 24.21S 67.26W 198–7 3.6W,3.2L **¶610415474**
NEIC II 14 00 11 52.0–1.7 24.22S–.07 67.6W–.30 232–25 4.1L,3.2L
VAO II 14 00 11 51.3–1.6 24.38S 67.47W 203–10 3.9b,3.2L
IDC II 14 00 11 53.1–2.0 24.04S 67.05W 169–20 3.8,3.7s
GUC II 14 00 11 53.7–.55 24.04S 67.59W 224–7 4.1L,3.7s
ISC Event type se.
SJA Error ellipse: s-maj=3.0km s-min=1.6km az=-1.0. Hypocentre not reviewed by the ISC.
NEIC Event type se. Error ellipse: s-maj=39.0km s-min=9.3km az=95.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Error ellipse: s-maj=24.1km s-min=14.9km az=-1.0.
IDC Error ellipse: s-maj=27.8km s-min=22.8km az=143.0.
GUC Error ellipse: s-maj=4.4km s-min=6.7km az=-1.0.
ISC II 15 15 51 49.0–1.1 33.15S–.03 69.59W–.04 10–7 4.6b,3.6s 162 1-170
SJA II 15 15 51 48.5–.90 33.12S 69.62W 10–3 4.1W,4.0L **¶610216923**
VAO II 15 15 51 50.0–.45 33.33S 69.33W 10 4.5b,4.0L
NEIC II 15 15 51 50.2–1.7 33.19S–.03 69.66W–.04 21–6 4.7b,3.5L
GUC II 15 15 51 50.3–.70 33.17S 69.72W 11–3 3.5L,3.5L
IDC II 15 15 51 55.5–2.0 33.06S 69.29W 49–17 4.4,4.2b
ISC Event type se.
SJA Error ellipse: s-maj=2.7km s-min=1.8km az=-1.0. Hypocentre not reviewed by the ISC.
VAO Error ellipse: s-maj=4.5km s-min=4.2km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=5.7km s-min=3.9km az=127.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=1.8km s-min=3.3km az=-1.0.
IDC Error ellipse: s-maj=24.3km s-min=14.6km az=93.0.
ISC II 18 12 39 37.0–1.5 33.24S–.04 69.67W–.04 4–10 4.0b 32 1-155
SJA II 18 12 39 36.6–.88 33.11S 69.62W 10–3 3.5W,3.3L **¶610415759**
IDC II 18 12 39 36.2–1.5 33.47S 69.36W 0 4.3s,4.0L
GUC II 18 12 39 38.4–.76 33.12S 69.66W 17–3 3.1L,4.0L
ISC Event type ke.
SJA Error ellipse: s-maj=2.7km s-min=1.8km az=-1.0. Hypocentre not reviewed by the ISC.
IDC Error ellipse: s-maj=39.0km s-min=28.7km az=135.0.
GUC Error ellipse: s-maj=1.8km s-min=3.2km az=-1.0.
ISC II 18 17 02 16.9–.67 24.28S–.04 67.10W–.06 182–8 3.6b 106 2-170
VAO II 18 17 02 14.6–.95 24.17S 68.25W 306–8 4.1b **¶610231532**
SJA II 18 17 02 15.9–.67 24.26S 67.13W 210–6 4.1L,4.0W
NEIC II 18 17 02 17.0–2.4 24.26S–.06 67.1W–.10 193–19 4.4L,4.0b
IDC II 18 17 02 17.5–1.3 24.23S 66.99W 173–11 3.9,3.3b
GUC II 18 17 02 18.9–.57 24.18S 67.44W 200–13 4.4L,3.3b
ISC Event type se.
VAO Error ellipse: s-maj=11.7km s-min=13.1km az=-1.0.
SJA Error ellipse: s-maj=1.8km s-min=2.0km az=-1.0. Hypocentre not reviewed by the ISC.
NEIC Event type se. Error ellipse: s-maj=17.9km s-min=8.7km az=100.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=21.1km s-min=15.4km az=24.0.
GUC Error ellipse: s-maj=3.0km s-min=13.4km az=-1.0.
ISC II 19 04 28 38.5–.66 24.51S–.04 67.73W–.07 167–9 4.3b 85 2-170
SJA II 19 04 28 37.5–.70 24.48S 67.65W 182–5 4.1L,4.0W **¶610240036**
IDC II 19 04 28 38.9–1.3 24.48S 67.39W 134–16 4.2,3.9b
NEIC II 19 04 28 38.8–.46 24.51S–.07 67.8W–.10 189–8 4.4b,4.1L
VAO II 19 04 28 40.6–.82 24.35S 67.88W 197–7 3.9b,4.1L
GUC II 19 04 28 40.0–.65 24.47S 68.02W 198–9 4.1L,4.1L
ISC Event type se.
SJA Error ellipse: s-maj=1.4km s-min=1.5km az=-1.0. Hypocentre not reviewed by the ISC.
IDC Error ellipse: s-maj=21.1km s-min=16.7km az=69.0.
NEIC Event type se. Error ellipse: s-maj=16.0km s-min=9.4km az=113.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Error ellipse: s-maj=6.5km s-min=10.4km az=-1.0.
GUC Error ellipse: s-maj=1.8km s-min=8.7km az=-1.0.
ISC II 21 00 07 31.1–.94 26.16S–.04 68.45W–.10 146–14 58 1-15
SJA II 21 00 07 29.6–.51 26.20S 68.37W 148–7 3.5W,3.3L **¶611149067**
GUC II 21 00 07 31.7–.60 26.17S 68.41W 125–7 4.0L,3.3L
NEIC II 21 00 07 31.2–1.5 26.16S–.07 68.4W–.20 149–13 4.0L,3.3L
ISC Event type se.
ISC Hypocentre not reviewed by the ISC.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 21 20 01 15.5–1.0 24.25S–.05 67.3W–.10 183–19 34 2-77
SJA II 21 20 01 14.2–1.2 24.22S 67.18W 202–21 3.5W,3.5L **¶610384770**
IDC II 21 20 01 16.1–1.6 24.18S 67.04W 166–34 3.7,3.2b
GUC II 21 20 01 17.6–.55 24.24S 67.42W 190–9 4.0L,3.2b
ISC Event type ke.
SJA Error ellipse: s-maj=5.6km s-min=5.9km az=-1.0. Hypocentre not reviewed by the ISC.
IDC Error ellipse: s-maj=39.0km s-min=20.0km az=93.0.
GUC Error ellipse: s-maj=2.8km s-min=8.1km az=-1.0.
ISC II 24 16 00 41.9–1.3 33.15S–.03 69.60W–.04 1–9 4.3b,3.4s 116 1-170
VAO II 24 16 00 38.2–2.7 33.80S 69.70W 10 4.4b,3.4s **¶610240605**
SJA II 24 16 00 42.3–.95 33.08S 69.62W 10 3.7W,3.6L
IDC II 24 16 00 42.6–.93 33.20S 69.38W 0 4.0,3.9b
GUC II 24 16 00 42.9–.70 33.13S 69.60W 17–2 3.9L,3.9b
NEIC II 24 16 00 43.7–2.8 33.15S–.03 69.65W–.04 10–1 4.4b,3.9L
ISC Event type se.
ISC Hypocentre not reviewed by the ISC.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC II 27 19 26 33.2–.51 24.02S 67.51W 216–7 3.9L ¶612086230
GUC Error ellipse: s-maj=4.8km s-min=6.3km az=-1.0.
ISC III 06 17 37 57.5–.62 23.96S–.04 67.02W–.07 225–9 4.6b 118 2-147
SJA III 06 17 37 56.9–1.0 23.95S 66.80W 210–8 3.8W,3.8L **¶610545678**
IDC III 06 17 37 56.7–6.4 24.06S 66.66W 190–42 4.5,3.9b
NEIC III 06 17 37 57.5–1.9 24.02S–.07 66.94W–.06 216–9 4.8,4.7b
VAO III 06 17 37 59.2–.37 23.80S 67.20W 253 4.0b,4.7b
GUC III 06 17 37 59.7–.70 23.91S 66.99W 212–9 4.5L,4.7b
ISC Event type se.
SJA Error ellipse: s-maj=3.4km s-min=2.8km az=-1.0. Hypocentre not reviewed by the ISC.
IDC Error ellipse: s-maj=140.6km s-min=31.8km az=3.0.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=6.9km az=203.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Error ellipse: s-maj=4.7km s-min=4.2km az=-1.0.
GUC Error ellipse: s-maj=3.6km s-min=7.4km az=-1.0.
ISC III 07 04 37 45.4–1.2 33.14S–.03 69.63W–.04 11–9 54 0-155
IDC III 07 04 37 45.3–1.4 33.32S 69.19W 0 4.0b,3.8 **¶610545698**
GUC III 07 04 37 45.5–.86 33.13S 69.61W 18–2 2.9L,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=61.2km s-min=15.7km az=112.0.
GUC Error ellipse: s-maj=1.8km s-min=2.9km az=-1.0.
ISC III 08 15 35 48.3–.81 24.08S–.05 67.0W–.10 225–14 75 2-147
IDC III 08 15 35 48.9–1.4 24.05S 66.75W 197–22 4.1,3.4b **¶610304989**
NEIC III 08 15 35 48.5–.73 24.05S–.07 67.0W–.20 253–22 4.2b,4.1L
SJA III 08 15 35 50.6–1.1 24.10S 66.86W 180 3.9L,3.7W
GUC III 08 15 35 50.9–.66 24.02S 67.39W 233–9 4.0L,3.7W
ISC Event type se.
IDC Error ellipse: s-maj=29.8km s-min=16.6km az=98.0.
NEIC Event type se. Error ellipse: s-maj=25.6km s-min=7.5km az=105.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SJA Error ellipse: s-maj=3.9km s-min=3.0km az=-1.0. Hypocentre not reviewed by the ISC.
GUC Error ellipse: s-maj=3.3km s-min=10.3km az=-1.0.
ISC III 09 17 01 01.7–1.0 24.28S–.04 67.3W–.10 185–11 3.2b 70 2-147
NEIC III 09 17 01 00.2–1.1 24.28S–.06 67.3W–.30 225–22 4.1b,3.9L **¶610545886**
IDC III 09 17 01 01.9–2.3 24.16S 67.07W 169–19 3.7,3.1b
SJA III 09 17 01 02.7–1.1 24.27S 67.22W 150 3.8L,3.6W
GUC III 09 17 01 03.1–.67 24.24S 67.42W 199–11 4.1L,3.6W
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=36.2km s-min=7.6km az=94.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=32.1km s-min=27.9km az=10.0.

SJA Error ellipse: s-maj=3.3km s-min=3.0km az=-1.0. Hypocentre not reviewed by the ISC.
GUC Error ellipse: s-maj=3.0km s-min=9.5km az=-1.0.
GUC III 10 16 35 51.4–.57 24.19S 67.59W 215–8 3.9L
SJA III 10 16 35 49.2–1.1 24.33S 67.14W 150 3.9L,3.6W ¶612086987
GUC Error ellipse: s-maj=4.7km s-min=6.9km az=-1.0.
SJA Error ellipse: s-maj=4.7km s-min=7.8km az=-1.0. Hypocentre not reviewed by the ISC.
ISC III 11 07 00 32.6–.38 29.21S–.03 69.32W–.04 108–3 5.0b 340 1-174
NEIC III 11 07 00 31.8–2.3 29.23S–.02 69.31W–.08 94–5 5.2b,4.9 ¶610323207
SJA III 11 07 00 31.1–1.1 29.20S 69.40W 125–6 4.8L,4.5W
NEIC III 11 07 00 31.2 29.23S 69.26W 130 4.8L,4.5W
VAO III 11 07 00 31.7–.27 29.29S 69.30W 92 4.7b,4.5W
NEIC III 11 07 00 31.2 29.33S 69.60W 130 4.7b,4.5W
GUC III 11 07 00 32.9–.68 29.20S 69.50W 130–5 4.7L,4.5W
IDC III 11 07 00 33.8–.49 29.26S 69.24W 115–4 4.6,4.4b
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s345.42911°,δ41.79436°,λ-87.14021°. NP2: ϕ_s161.59580°,δ48.26939°,λ-92.55369°. Principal axes: T Plg3.2393°,Azm253.4041° ; N Plg1.9055°,Azm163.2962°; P Plg86.2408°,Azm42.8757°
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=3.1km az=85.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SJA Error ellipse: s-maj=1.8km s-min=3.3km az=-1.0. Hypocentre not reviewed by the ISC.
NEIC Event type se.
VAO Error ellipse: s-maj=2.9km s-min=2.8km az=-1.0.
NEIC Event type se. Moment Tensor Solution.Duration: 1s2 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.49 $M_{\theta\theta}$0.22 $M_{\phi\phi}$1.27 $M_{r\theta}$-0.10 $M_{\theta\phi}$0.03 $M_{\phi r}$1.09 NP1:ϕ_s177.85000°,δ64.22000° ,λ-92.91000°. NP2:ϕ_s4.51000°,δ25.93000°,λ-84.00000°. Principal axes: T 1.6521,Plg19.0000°,Azm270.0000°; N 0.2211,Plg3.0000°,Azm179.0000° ; P -1.8733,Plg71.0000°,Azm82.0000° $M_0$1.76000×10^{16}
GUC Error ellipse: s-maj=1.7km s-min=5.6km az=-1.0.
IDC Error ellipse: s-maj=17.0km s-min=7.7km az=73.0.
ISC III 12 14 32 54.1–.68 24.18S–.04 67.30W–.06 178–8 3.6b 128 2-170
IDC III 12 14 32 53.5–1.2 24.17S 67.07W 165–10 4.0,3.4b ¶610325657
SJA III 12 14 32 54.5–1.2 24.19S 67.20W 160 4.1L,4.0W
NEIC III 12 14 32 54.3–2.2 24.17S–.07 67.2W–.10 179–10 4.4L,4.2b
GUC III 12 14 32 55.4–.56 24.15S 67.46W 203–8 4.4L,4.2b
VAO III 12 14 32 55.1–.58 24.20S 67.34W 180 3.9b,4.2b
ISC Event type se.
IDC Error ellipse: s-maj=18.4km s-min=14.1km az=37.0.
SJA Error ellipse: s-maj=6.4km s-min=4.3km az=-1.0. Hypocentre not reviewed by the ISC.
NEIC Event type se. Error ellipse: s-maj=15.6km s-min=9.7km az=86.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=2.6km s-min=7.3km az=-1.0.
VAO Error ellipse: s-maj=5.1km s-min=5.7km az=-1.0.
GUC III 14 14 27 03.4–.48 23.97S 67.43W 219–6 4.0L
¶612087228
GUC Error ellipse: s-maj=4.0km s-min=6.0km az=-1.0.
ISC III 14 20 03 48.5–.61 24.04S–.03 67.05W–.06 194–7 4.3b 202 2-170
SJA III 14 20 03 47.6–.59 24.03S 67.02W 175–4 4.5L,4.2W ¶610329059
IDC III 14 20 03 48.4–.98 24.06S 66.87W 182–10 4.3,3.9s
NEIC III 14 20 03 49.0–2.8 24.00S–.06 67.08W–.10 201–9 4.9L,4.5b
VAO III 14 20 03 50.2–.46 24.05S 67.08W 209 4.4b,4.5b
GUC III 14 20 03 51.0–.51 23.89S 67.31W 230–7 4.9L,4.5b
ISC Event type se.
SJA Error ellipse: s-maj=1.4km s-min=1.8km az=-1.0. Hypocentre not reviewed by the ISC.
IDC Error ellipse: s-maj=17.1km s-min=14.0km az=36.0.
NEIC Event type se. Error ellipse: s-maj=13.0km s-min=8.1km az=94.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Error ellipse: s-maj=2.8km s-min=5.1km az=-1.0.
GUC Error ellipse: s-maj=4.0km s-min=6.7km az=-1.0.
ISC III 15 00 00 26.5–.65 35.23S–.04 70.96W–.04 101–5 4.5b 196 0-169
NEIC III 15 00 00 26.5–2.0 35.23S–.04 70.95W–.07 99–4 4.6b ¶610329128
IDC III 15 00 00 27.4–2.1 35.20S 70.77W 99–18 4.3,4.0b
VAO III 15 00 00 27.9–.34 35.17S 70.88W 98 4.2b,4.0b
GUC III 15 00 00 27.9–.84 35.24S 70.96W 98–4 4.5L,4.0b
SJA III 15 00 00 28.2–3.0 35.13S 70.92W 75 4.1W,4.0L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=5.0km az=100.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=25.5km s-min=13.6km az=99.0.
VAO Error ellipse: s-maj=4.0km s-min=5.6km az=-1.0.
GUC Error ellipse: s-maj=2.7km s-min=4.0km az=-1.0.
SJA Error ellipse: s-maj=7.2km s-min=10.9km az=-1.0. Hypocentre not reviewed by the ISC.
ISC III 16 14 07 43.4–.62 23.47S–.04 67.09W–.06 210–7 3.8b 132 2-169
NEIC III 16 14 07 42.8–1.7 23.48S–.07 67.1W–.10 237–10 4.4,4.2b ¶610330730
IDC III 16 14 07 42.7–.90 23.38S 66.76W 182–8 4.0,3.5b
SJA III 16 14 07 43.1–.60 23.36S 66.90W 197–5 4.2L,3.9W
VAO III 16 14 07 43.7–.31 23.48S 67.33W 242 4.0b,3.9W
GUC III 16 14 07 44.2–.73 23.43S 67.22W 229–10 4.6L,3.9W
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.6km s-min=10.4km az=91.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=13.6km s-min=12.3km az=73.0.
SJA Error ellipse: s-maj=2.5km s-min=1.8km az=-1.0. Hypocentre not reviewed by the ISC.
VAO Error ellipse: s-maj=3.2km s-min=3.7km az=-1.0.
GUC Error ellipse: s-maj=4.0km s-min=10.2km az=-1.0.
ISC III 19 14 14 35.0–.98 24.03S–.06 67.1W–.10 197–15 55 2-147
IDC III 19 14 14 33.9–1.6 24.07S 66.75W 156–24 3.8,3.1b ¶610546514
NEIC III 19 14 14 33.7–1.3 24.11S–.08 66.8W–.10 160–6 4.2b,3.1b
SJA III 19 14 14 35.7–1.4 24.03S 67.00W 180 3.8L,3.5W
GUC III 19 14 14 36.6–.56 24.01S 67.35W 221–8 3.9L,3.5W
ISC Event type se.
IDC Error ellipse: s-maj=26.5km s-min=19.4km az=96.0.
NEIC Event type se. Error ellipse: s-maj=16.0km s-min=11.3km az=107.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SJA Error ellipse: s-maj=5.3km s-min=3.5km az=-1.0. Hypocentre not reviewed by the ISC.
GUC Error ellipse: s-maj=2.8km s-min=7.1km az=-1.0.
ISC III 21 11 56 56.4–.89 31.01S–.03 70.07W–.07 136–8 81 1-59
NEIC III 21 11 56 56.8–1.6 31.05S–.01 69.93W–.08 133–9 4.4b,3.6L ¶611149306
GUC III 21 11 56 57.2–.76 31.03S 70.08W 122–4 3.7L,3.6L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.7km s-min=2.0km az=85.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=1.5km s-min=4.7km az=-1.0.
ISC III 23 04 56 24.2–.46 24.29S–.04 67.22W–.05 169 3.9b 126 2-147
SJA III 23 04 56 23.9–.57 24.30S 67.28W 190–5 4.3L,4.0W ¶610543507
NEIC III 23 04 56 24.6–2.1 24.34S–.07 67.26W–.05 172–13 4.3L,4.3b
IDC III 23 04 56 24.2–1.1 24.31S 67.11W 154–10 3.9,3.3b
GUC III 23 04 56 25.4–.48 24.26S 67.53W 208–7 4.2L,3.3b
VAO III 23 04 56 28.4–.33 24.07S 67.35W 213 4.1b,3.3b
ISC Event type se.
SJA Error ellipse: s-maj=1.9km s-min=1.7km az=-1.0. Hypocentre not reviewed by the ISC.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=6.8km az=168.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=19.4km s-min=13.8km az=44.0.
GUC Error ellipse: s-maj=2.4km s-min=6.4km az=-1.0.
VAO Error ellipse: s-maj=2.8km s-min=3.8km az=-1.0.
ISC III 27 16 11 21.0–.74 24.05S–.05 67.13W–.08 200 67 2-170
SJA III 27 16 11 19.1–1.0 24.03S 67.06W 223–7 4.1L,3.8W ¶610436986
GUC III 27 16 11 22.5–.70 24.03S 67.25W 213–12 4.1L,3.8W
NEIC III 27 16 11 22.1–1.8 24.06S–.08 67.2W–.20 197–14 4.1L,4.0b
IDC III 27 16 11 25.6–8.7 23.74S 66.88W 210–66 4.4,4.4b
ISC Event type se.
SJA Error ellipse: s-maj=3.9km s-min=2.8km az=-1.0. Hypocentre not reviewed by the ISC.
GUC Error ellipse: s-maj=4.0km s-min=11.4km az=-1.0.

NEIC Event type se. Error ellipse: s-maj=25.9km s-min=10.6km az=99.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=85.9km s-min=32.0km az=20.0.
ISC III 28 08 36 42.3–1.1 23.99S–.08 67.09W–.09 200 25 2-147
SJA III 28 08 36 36.3–.68 24.22S 66.85W 238–6 3.9L,3.7W ¶610543840
GUC III 28 08 36 41.4–.61 24.01S 67.29W 244–9 3.8L,3.7W
IDC III 28 08 36 43.6–2.7 23.84S 66.38W 204–30 3.5,3.7W
ISC Event type ke.
SJA Error ellipse: s-maj=4.7km s-min=3.2km az=-1.0. Hypocentre not reviewed by the ISC.
GUC Error ellipse: s-maj=5.9km s-min=9.0km az=-1.0.
IDC Error ellipse: s-maj=34.2km s-min=21.0km az=104.0.
ISC IV 01 16 49 00.9–2.1 24.24S–.04 67.4W–.10 222–19 47 2-4
SJA IV 01 16 49 00.1–.71 24.28S 67.38W 224–11 3.7L,3.6W ¶616344570
GUC IV 01 16 49 02.5–.63 24.23S 67.38W 204–10 3.9L,3.6W
ISC Event type ke.
SJA Error ellipse: s-maj=2.7km s-min=10.0km az=-1.0.
GUC Error ellipse: s-maj=2.4km s-min=9.1km az=-1.0.
ISC IV 02 02 41 08.1–.64 24.17S–.04 67.30W–.04 197–7 3.7b 100 2-147
SJA IV 02 02 41 00.7–.52 24.22S 67.16W 266–3 4.0L,3.9W ¶610651738
NEIC IV 02 02 41 07.4–.81 24.20S–.07 67.38W–.09 233–12 4.4b,4.3L
IDC IV 02 02 41 07.9–1.1 24.15S 67.02W 172–13 3.9,3.5b
GUC IV 02 02 41 09.5–.59 24.15S 67.47W 210–8 4.3L,3.5b
ISC Event type se.
SJA Error ellipse: s-maj=1.7km s-min=1.4km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=13.8km s-min=7.1km az=128.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=17.1km s-min=16.3km az=93.0.
GUC Error ellipse: s-maj=2.8km s-min=7.6km az=-1.0.
ISC IV 02 20 57 03.6–1.3 28.41S–.03 69.94W–.06 111–9 52 1-4
SJA IV 02 20 57 02.8–.69 28.43S 69.91W 109–3 3.6W,3.6L ¶616344589
GUC IV 02 20 57 04.4–.68 28.42S 69.98W 112–4 3.7L,3.6L
ISC Event type ke.
SJA Error ellipse: s-maj=1.3km s-min=2.7km az=-1.0.
GUC Error ellipse: s-maj=1.4km s-min=5.3km az=-1.0.
GUC IV 05 00 39 17.3–.74 32.02S 70.67W 112–3 3.5L
SJA IV 05 00 39 16.9–1.9 32.00S 70.61W 85 3.6W,3.5L ¶616344627
GUC Error ellipse: s-maj=1.0km s-min=3.8km az=-1.0.
SJA Error ellipse: s-maj=2.6km s-min=5.1km az=-1.0.
ISC IV 06 06 09 59.1–.65 24.10S–.03 67.09W–.06 182–6 4.4b 210 2-170
IDC IV 06 06 09 58.9–.93 24.08S 66.92W 174–8 4.4,3.9b ¶610505905
SJA IV 06 06 09 58.1–.95 24.14S 67.28W 234–14 4.4L,4.2W
NEIC IV 06 06 09 59.1–1.8 24.13S–.06 67.03W–.09 175–8 4.7L,4.4b
VAO IV 06 06 09 59.2–.31 24.08S 67.10W 178 4.2b,4.4b
GUC IV 06 06 10 00.6–.64 24.11S 67.37W 212–9 4.7L,4.4b
ISC Event type se.
IDC Error ellipse: s-maj=14.3km s-min=10.9km az=51.0.
SJA Error ellipse: s-maj=2.7km s-min=10.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=12.6km s-min=8.6km az=88.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Error ellipse: s-maj=2.7km s-min=3.3km az=-1.0.
GUC Error ellipse: s-maj=2.4km s-min=7.5km az=-1.0.
ISC IV 06 09 16 07.5–.85 24.18S–.04 67.39W–.08 207–8 3.1b 79 2-147
IDC IV 06 09 16 04.3–1.2 24.19S 66.91W 178–10 3.6,3.1b ¶610652064
SJA IV 06 09 16 04.0–.68 24.24S 67.31W 234–10 3.9L,3.7W
GUC IV 06 09 16 06.3–.46 24.16S 67.63W 249–13 4.1L,3.7W
NEIC IV 06 09 16 07.7–2.2 24.22S–.07 67.5W–.10 205–20 4.1L,3.7W
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 06 18 21 45.0–.81 24.27S–.04 67.24W–.05 192–9 97 2-147
IDC IV 06 18 21 44.2–1.4 24.33S 66.95W 153–20 3.9,3.6b ¶610652096
SJA IV 06 18 21 44.6–.86 24.27S 67.20W 202–6 3.7W,3.7L
NEIC IV 06 18 21 45.6–.96 24.31S–.08 67.4W–.20 217–22 4.4b,4.0L
GUC IV 06 18 21 47.6–.75 24.21S 67.52W 211–10 4.0L,4.0L
ISC Event type se.
IDC Error ellipse: s-maj=26.7km s-min=14.4km az=85.0.
SJA Error ellipse: s-maj=3.1km s-min=2.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=28.5km s-min=11.5km az=98.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=3.2km s-min=9.0km az=-1.0.
GUC IV 07 09 15 21.9–.58 24.09S 67.48W 225–9 3.5L
¶616344662
GUC Error ellipse: s-maj=6.1km s-min=7.2km az=-1.0.
ISC IV 09 03 04 51.0–.82 34.48S–.04 70.75W–.05 103–6 3.9b 82 0-83
SJA IV 09 03 04 50.0–1.0 34.46S 70.78W 108–6 3.8W,3.8L ¶610652272
GUC IV 09 03 04 51.1–.78 34.48S 70.73W 106–3 3.9L,3.8L
IDC IV 09 03 04 53.4–3.3 34.67S 70.02W 105–21 3.9,3.6b
ISC Event type se.
SJA Error ellipse: s-maj=4.7km s-min=7.6km az=-1.0.
GUC Error ellipse: s-maj=1.6km s-min=2.9km az=-1.0.
IDC Error ellipse: s-maj=126.9km s-min=16.1km az=110.0.
ISC IV 13 03 59 23.8–.53 28.00S–.03 68.39W–.04 120–5 4.4b 227 1-150
SJA IV 13 03 59 22.9–1.2 27.97S 68.34W 105 4.5L,4.2W ¶610527240
NEIC IV 13 03 59 23.2–1.5 28.02S–.05 68.28W–.08 106–1 4.6L,4.4b
GUC IV 13 03 59 24.5–.70 27.94S 68.57W 124–8 4.5L,4.4b
VAO IV 13 03 59 24.2–.56 28.22S 68.35W 125–5 4.5b,4.4b
IDC IV 13 03 59 25.2–.77 27.94S 68.23W 124–6 4.3,3.9b
ISC Event type se.
SJA Error ellipse: s-maj=2.4km s-min=4.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=7.2km az=88.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=2.7km s-min=5.2km az=-1.0.
VAO Error ellipse: s-maj=3.2km s-min=3.8km az=-1.0.
IDC Error ellipse: s-maj=20.2km s-min=17.5km az=59.0.
ISC IV 14 09 01 15.1–.73 29.55S–.03 69.46W–.05 125–7 3.2b 50 1-152
SJA IV 14 09 01 13.6–1.1 29.57S 69.46W 141–7 3.5W,3.4L ¶610652703
IDC IV 14 09 01 15.5–1.7 29.50S 69.26W 116–15 3.6,3.2b
ISC Event type ke.
SJA Error ellipse: s-maj=2.5km s-min=3.9km az=-1.0.
IDC Error ellipse: s-maj=33.0km s-min=15.0km az=83.0.
ISC IV 14 12 01 59.8–.66 30.58S–.02 69.34W–.03 32–5 4.5b 229 1-171
SJA IV 14 12 01 58.8–.64 30.54S 69.28W 10–4 4.2L,4.0W ¶610528151
IDC IV 14 12 01 60.0–2.2 30.56S 69.17W 35–17 3.7L,3.6
NEIC IV 14 12 02 00.9–2.8 30.51S–.04 69.22W–.06 46–7 4.7b,4.5
VAO IV 14 12 02 01.2–.31 30.84S 68.92W 10 4.4b,4.5
GUC IV 14 12 02 01.0–.78 30.56S 69.38W 27–4 4.6L,4.5
NEIC IV 14 12 02 02.3 30.55S 69.25W 63 4.6L,4.5
ISC Event type se.
SJA Error ellipse: s-maj=2.6km s-min=2.4km az=-1.0.
IDC Error ellipse: s-maj=24.3km s-min=12.8km az=89.0.
NEIC Event type se. Error ellipse: s-maj=8.0km s-min=5.2km az=57.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}0.47 $M_{\theta\theta}$0.78 $M_{\phi\phi}$-1.25 $M_{r\theta}$-0.37 $M_{\theta\phi}$1.70 $M_{\phi r}$-1.69 NP1:ϕ_s191.34000°,δ83.68000°,λ137.32000°. NP2:ϕ_s287.14000°,δ47.64000° ,λ8.57000°. Principal axes: T 2.5249,Plg34.0000°,Azm140.0000°; N 0.2525,Plg47.0000° ,Azm5.0000°; P -2.7773,Plg23.0000°,Azm247.0000° $M_0$2.66000×10^{15}
VAO Error ellipse: s-maj=3.3km s-min=2.8km az=-1.0.
GUC Error ellipse: s-maj=1.3km s-min=2.3km az=-1.0.
NEIC Event type se.
GUC IV 14 16 01 20.9–.57 23.99S 67.39W 227–9 4.1L
¶616344779
GUC Error ellipse: s-maj=6.6km s-min=7.7km az=-1.0.
ISC IV 15 08 19 42.9–.21 23.23S–.02 67.68W–.03 151–1 6.1b 2842 1-179
BJI IV 15 08 19 41.5–.00 23.28S 67.65W 140 5.9b ¶611832316
NEIC IV 15 08 19 41 23.26S 67.64W 131 5.9b

SJA IV 15 08 19 41.1–1.2 23.31S 67.89W 170–10 6.2L,5.9W
MOS IV 15 08 19 41.8–1.0 23.11S 67.66W 142 6.2b,5.4s
GUC IV 15 08 19 43.6–.86 23.21S 68.07W 158–8 6.2L,5.4s
NEIC IV 15 08 19 43.4–2.3 23.27S–.05 67.72W–.07 155–1 6.3,6.2
IDC IV 15 08 19 43.2–.36 23.15S 67.70W 148–2 6.0,5.6b
NEIC IV 15 08 19 43.4 23.27S 67.77W 160 6.0,5.6b
NEIC IV 15 08 19 43.4 23.27S 67.88W 160 6.0,5.6b
VAO IV 15 08 19 43.6–.20 23.17S 67.54W 153 6.3b,5.6b
GCMT IV 15 08 19 47.4–.10 23.20S 67.92W 164–0 6.3W,5.6b
BGR IV 15 08 20 13.0 18.15S 63.97W 151–1 5.7b,5.6b
ISC Event type ke. Moment Tensor Solution. NP1:ϕ_s145.73462°,δ28.92651°,λ-126.64594°. NP2: ϕ_s6.09746°,δ67.16483°,λ-71.74490°. Principal axes: T Plg20.1497°,Azm82.4504° ; N Plg16.7800°,Azm178.8028°; P Plg63.2914°,Azm305.6236°
NEIC Event type se.
SJA Error ellipse: s-maj=3.9km s-min=6.5km az=-1.0.
MOS Error ellipse: s-maj=9.3km s-min=6.4km az=99.3.
GUC Error ellipse: s-maj=5.9km s-min=6.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=9.1km az=266.0. smi:us.anss.org/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-0.30 $M_{\theta\theta}$-0.44 $M_{\phi\phi}$0.74 $M_{r\theta}$0.26 $M_{\theta\phi}$-0.42 $M_{\phi r}$-2.85 NP1:ϕ_s355.92000°,δ84.65000°,λ-83.66000°. NP2:ϕ_s125.89000°,δ8.29000° ,λ-139.74000°. Principal axes: T 3.1774,Plg39.0000°,Azm80.0000°; N -0.5012,Plg6.0000° ,Azm175.0000°; P -2.6762,Plg50.0000°,Azm273.0000° $M_0$2.96000×10^{18}
IDC Error ellipse: s-maj=7.7km s-min=6.9km az=37.0.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 7s1 Moment tensor: Scale 10^{18}Nm; M_{rr}-1.17 $M_{\theta\theta}$-0.21 $M_{\phi\phi}$1.37 $M_{r\theta}$0.38 $M_{\theta\phi}$-0.75 $M_{\phi r}$-2.96 NP1:ϕ_s352.29000°,δ77.85000° ,λ-81.21000°. NP2:ϕ_s135.99000°,δ14.96000°,λ-125.36000°. Principal axes: T 3.5141,Plg32.0000°,Azm75.0000°; N -0.3909,Plg9.0000°,Azm170.0000° ; P -3.1232,Plg56.0000°,Azm274.0000° $M_0$3.32000×10^{18}
VAO Error ellipse: s-maj=2.2km s-min=2.3km az=-1.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s169,c416; s170,c625; Duration: 3s3 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.95±.01 $M_{\theta\theta}$-0.44±.02; $M_{\phi\phi}$1.40±.02; $M_{r\theta}$0.43±.01; $M_{\theta\phi}$-1.02±.02; $M_{\phi r}$-2.77±.01; Best double couple: NP1:ϕ_s353.00000°,δ78.00000° ,λ-77.00000°. NP2:ϕ_s124.00000°,δ18.00000°,λ-137.00000°. Principal axes: T 3.5300,Plg32.0000°,Azm72.0000°; N -0.7220,Plg13.0000°,Azm170.0000° ; P -2.8070,Plg55.0000°,Azm280.0000° $M_0$3.16800×10^{18}
BGR Event type ke.
ISC IV 15 20 15 35.7–1.4 23.13S–.06 67.1W–.20 238–17 37 2-146
GUC IV 15 20 15 36.8–.66 23.14S 67.14W 240–8 3.5L ¶610652819
IDC IV 15 20 15 38.1–10 22.75S 66.03W 213–79 3.5,3.0b
ISC Event type ke.
GUC Error ellipse: s-maj=3.4km s-min=7.9km az=-1.0.
IDC Error ellipse: s-maj=137.5km s-min=81.4km az=48.0.
ISC IV 16 07 40 11.6–.82 23.98S–.05 67.05W–.05 203–8 3.3b 51 2-77
SJA IV 16 07 40 09.5–1.1 24.03S 66.97W 223–15 3.5W,3.3L ¶610652855
GUC IV 16 07 40 12.7–.72 24.00S 67.30W 222–10 3.8L,3.3L
IDC IV 16 07 40 14.2–2.8 23.77S 67.25W 246–38 3.7,3.1b
ISC Event type ke.
SJA Error ellipse: s-maj=4.5km s-min=7.3km az=-1.0.
GUC Error ellipse: s-maj=3.3km s-min=9.3km az=-1.0.
IDC Error ellipse: s-maj=35.0km s-min=21.1km az=128.0.
ISC IV 16 11 49 08.1–.71 24.23S–.03 67.30W–.04 184–7 3.5b 98 2-147
SJA IV 16 11 49 07.6–1.1 24.26S 67.15W 150 3.9W,3.8L ¶610652867
NEIC IV 16 11 49 08.8–.60 24.26S–.07 67.7W–.10 209–11 4.1L,4.0b
GUC IV 16 11 49 08.4–.68 24.20S 67.58W 195–9 4.1L,4.0b
IDC IV 16 11 49 10.1–1.2 23.87S 67.16W 188–11 3.6s,3.6
ISC Event type se.
SJA Error ellipse: s-maj=4.3km s-min=7.6km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=16.9km s-min=9.8km az=87.0. smi:us.anss.org/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=3.0km s-min=7.8km az=-1.0.
IDC Error ellipse: s-maj=23.2km s-min=16.5km az=11.0.
ISC IV 17 19 18 06.9–.80 23.77S–.03 67.88W–.08 150–9 4.2b 101 1-147
SJA IV 17 19 18 04.5–1.4 23.76S 67.71W 150 3.6W,3.6L ¶610532533
IDC IV 17 19 18 06.1–1.6 23.79S 67.61W 129–17 4.0,3.6b
NEIC IV 17 19 18 08.0–1.1 23.71S–.06 67.92W–.09 148–10 4.0,3.6b
GUC IV 17 19 18 08.2–.66 23.74S 67.98W 155–6 4.0L,3.6b
ISC Event type se.
SJA Error ellipse: s-maj=3.8km s-min=8.9km az=-1.0.
IDC Error ellipse: s-maj=23.7km s-min=22.7km az=129.0.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=8.4km az=82.0. smi:us.anss.org/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=2.6km s-min=5.3km az=-1.0.
GUC IV 20 02 11 21.5–.44 23.80S 67.12W 243–6 3.5L
¶616344876
GUC Error ellipse: s-maj=3.2km s-min=5.8km az=-1.0.
ISC IV 22 00 52 56.3–1.2 24.68S–.05 68.3W–.20 152–13 24 1-148
IDC IV 22 00 52 36.7–3.4 25.88S 68.00W 0 4.1b,3.6 ¶610653231
GUC IV 22 00 52 55.8–.65 24.67S 68.30W 164–5 3.2L,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=110.6km s-min=42.8km az=73.0.
GUC Error ellipse: s-maj=1.6km s-min=5.7km az=-1.0.
GUC IV 22 06 21 24.5–.62 23.93S 67.34W 238–8 3.6L
¶616344915
GUC Error ellipse: s-maj=3.0km s-min=7.9km az=-1.0.
ISC IV 23 19 03 29.5–1.9 24.21S–.04 67.5W–.10 218–18 55 2-5
SJA IV 23 19 03 29.3–.89 24.20S 67.11W 150 3.7W,3.6L ¶616345013
GUC IV 23 19 03 31.8–.83 24.18S 67.54W 207–9 3.8L,3.6L
ISC Event type ke.
SJA Error ellipse: s-maj=3.2km s-min=5.0km az=-1.0.
GUC Error ellipse: s-maj=3.6km s-min=9.0km az=-1.0.
ISC IV 23 21 22 50.9–.62 24.21S–.03 67.23W–.04 169–6 4.5b 196 2-166
SJA IV 23 21 22 48.1–.47 24.22S 67.18W 211–4 4.2L,4.1W ¶610547629
IDC IV 23 21 22 51.4–1.2 24.15S 67.06W 165–10 4.3,3.8b
NEIC IV 23 21 22 51.2–1.7 24.24S–.05 67.19W–.09 170–7 4.7b,4.5L
GUC IV 23 21 22 52.8–.62 24.17S 67.77W 215–7 4.5L,4.5L
VAO IV 23 21 22 53.0–.42 24.11S 67.06W 183–4 4.4b,4.5L
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s173.40871°,δ17.91709°,λ-94.98950°. NP2: ϕ_s358.65112°,δ72.15310°,λ-88.38925°. Principal axes: T Plg27.1360°,Azm87.3713° ; N Plg1.5332°,Azm178.1573°; P Plg62.8135°,Azm271.1445°
SJA Error ellipse: s-maj=1.6km s-min=1.7km az=-1.0.
IDC Error ellipse: s-maj=18.6km s-min=13.6km az=12.0.
NEIC Event type se. Error ellipse: s-maj=12.2km s-min=6.9km az=90.0. smi:us.anss.org/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=2.8km s-min=8.3km az=-1.0.
VAO Error ellipse: s-maj=3.0km s-min=3.7km az=-1.0.
ISC IV 25 10 17 53.5–.61 24.36S–.04 67.23W–.04 176–6 4.0b 177 2-170
SJA IV 25 10 17 51.1–.72 24.37S 67.19W 207–6 4.1L,4.0W ¶610549165
NEIC IV 25 10 17 52.9–1.8 24.42S–.05 67.03W–.08 152–7 4.5L,4.4b
IDC IV 25 10 17 53.4–1.0 24.34S 67.04W 162–9 4.0,3.5b
VAO IV 25 10 17 53.0–.43 24.43S 67.36W 207 4.2b,3.5b
GUC IV 25 10 17 54.3–.71 24.36S 67.41W 204–10 4.5L,3.5b
ISC Event type se.
SJA Error ellipse: s-maj=2.2km s-min=2.1km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=6.8km az=65.0. smi:us.anss.org/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=15.0km s-min=11.8km az=57.0.
VAO Error ellipse: s-maj=3.9km s-min=4.3km az=-1.0.
GUC Error ellipse: s-maj=3.2km s-min=10.1km az=-1.0.
ISC IV 26 11 22 30.7–2.3 24.42S–.05 68.0W–.20 214–19 21 2-5
SJA IV 26 11 22 29.8–.69 24.43S 67.96W 221–6 3.6W,2.7L ¶616617867
ISC Event type ke.
SJA Error ellipse: s-maj=1.6km s-min=7.2km az=-1.0.
ISC IV 27 08 08 59.8–1.9 29.23S–.05 69.83W–.05 135–14 23 1-4
SJA IV 27 08 08 58.7–.65 29.37S 69.82W 135–9 3.5W,3.4L ¶616345394
GUC IV 27 08 09 01.4–.97 29.24S 69.99W 130–5 3.1L,3.4L
ISC Event type ke.
SJA Error ellipse: s-maj=13.2km s-min=4.1km az=-1.0.
GUC Error ellipse: s-maj=2.4km s-min=8.6km az=-1.0.
ISC IV 28 21 59 59.3–.95 24.28S–.05 67.3W–.10 201–13 66 2-170
NEIC IV 28 21 59 59.1–1.6 24.31S–.08 67.3W–.20 215–18 4.3L ¶610588550
IDC IV 28 22 00 02.0–2.2 23.93S 67.04W 178–27 3.9,3.1b
GUC IV 28 22 00 02.4–.37 24.20S 67.40W 191–6 4.3L,3.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.4km s-min=10.8km az=99.0. smi:us.anss.org/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=39.2km s-min=25.9km az=146.0.
GUC Error ellipse: s-maj=1.5km s-min=4.8km az=-1.0.
ISC IV 29 02 32 13.9–.85 24.06S–.05 67.10W–.06 200–9 69 2-147
SJA IV 29 02 32 11.3–.99 24.09S 67.00W 223–17 3.5W,3.4L ¶611149742
NEIC IV 29 02 32 13.7–.48 24.07S–.09 67.2W–.20 237–24 4.1L,3.4L
GUC IV 29 02 32 15.7–.68 24.00S 67.59W 227–6 4.1L,3.4L
IDC IV 29 02 32 35.5–1.6 22.09S 66.45W 321–19 4.0,3.0b
ISC Event type se.
SJA Error ellipse: s-maj=4.9km s-min=7.6km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=24.5km s-min=12.4km az=98.0. smi:us.anss.org/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=2.8km s-min=7.5km az=-1.0.
IDC Error ellipse: s-maj=41.6km s-min=27.4km az=148.0.
ISC V 01 20 35 39.7–2.6 24.20S–.08 67.15W–.04 205–22 38 2-4
SJA V 01 20 35 40.1–.66 24.18S 67.11W 204–5 3.6L,3.5W ¶612738534
GUC V 01 20 35 43.4–.59 24.16S 67.53W 220–7 3.7L,3.5W
ISC Event type ke.
SJA Error ellipse: s-maj=5.3km s-min=2.5km az=-1.0.
GUC Error ellipse: s-maj=3.0km s-min=7.6km az=-1.0.
ISC V 01 22 26 15.2–.61 23.98S–.04 67.00W–.04 209–7 154 2-170
VAO V 01 22 26 14.9–.31 24.08S 67.13W 216 4.0b ¶610590167
SJA V 01 22 26 14.8–.76 23.96S 66.95W 212–4 3.9L,3.8W
NEIC V 01 22 26 15.1–1.9 23.99S–.07 67.01W–.09 218–11 4.2L,4.2b
IDC V 01 22 26 15.4–1.1 23.99S 66.82W 186–14 3.9,3.5b
GUC V 01 22 26 17.0–.58 23.91S 67.25W 233–7 4.2L,3.5b
ISC Event type se.
VAO Error ellipse: s-maj=4.1km s-min=3.3km az=-1.0.
SJA Error ellipse: s-maj=2.1km s-min=1.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=12.6km s-min=8.4km az=60.0. smi:us.anss.org/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=18.8km s-min=17.4km az=57.0.
GUC Error ellipse: s-maj=4.3km s-min=7.9km az=-1.0.
ISC V 02 02 12 09.2–2.2 24.28S–.05 67.19W–.04 191–20 41 2-5
SJA V 02 02 12 10.0–.94 24.27S 67.17W 177–8 3.5L,3.4W ¶612738538
GUC V 02 02 12 11.2–.63 24.21S 67.63W 212–7 3.8L,3.4W
ISC Event type ke.
SJA Error ellipse: s-maj=3.0km s-min=2.7km az=-1.0.
GUC Error ellipse: s-maj=2.6km s-min=6.9km az=-1.0.
ISC V 02 09 34 24.7–.65 24.25S–.04 67.13W–.04 184–6 3.8b 123 2-170
NEIC V 02 09 34 24.5–1.3 24.21S–.07 67.1W–.10 210–12 4.4L,4.3b ¶610591578
SJA V 02 09 34 24.7–1.1 24.17S 67.05W 198–13 4.1W,4.1L
IDC V 02 09 34 25.2–1.1 24.24S 66.95W 174–9 3.9,3.4b
GUC V 02 09 34 27.3–.64 24.09S 67.49W 212–8 4.4L,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.0km s-min=10.3km az=96.0. smi:us.anss.org/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SJA Error ellipse: s-maj=3.7km s-min=5.5km az=-1.0.
IDC Error ellipse: s-maj=19.1km s-min=13.4km az=39.0.
GUC Error ellipse: s-maj=4.5km s-min=8.2km az=-1.0.
GUC V 02 22 24 23.0–.86 30.69S 69.17W 148–9 3.5L
¶612738564
GUC Error ellipse: s-maj=2.6km s-min=7.7km az=-1.0.
ISC V 03 04 54 28.8–.93 24.24S–.04 67.07W–.05 215–10 83 2-59
SJA V 03 04 54 27.9–1.1 24.24S 66.95W 221–13 3.9L,3.6W ¶610689431
IDC V 03 04 54 28.5–1.5 24.26S 67.41W 235–35 3.5,3.0b
NEIC V 03 04 54 29.1–.86 24.24S–.07 67.1W–.20 227–11 4.2b,4.1L
GUC V 03 04 54 30.7–.65 24.17S 67.46W 227–8 4.0L,4.1L
ISC Event type se.
SJA Error ellipse: s-maj=3.7km s-min=6.7km az=-1.0.
IDC Error ellipse: s-maj=44.3km s-min=13.8km az=91.0.
NEIC Event type se. Error ellipse: s-maj=29.1km s-min=9.6km az=97.0. smi:us.anss.org/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=3.1km s-min=9.2km az=-1.0.
ISC V 04 00 15 02.2–.84 24.08S–.05 67.08W–.04 202–8 52 2-147
SJA V 04 00 15 01.0–1.1 24.08S 67.00W 214–16 3.7L,3.3W ¶610689512
IDC V 04 00 15 01.8–1.5 24.06S 66.92W 181–18 3.8,3.3b
GUC V 04 00 15 04.1–.75 24.02S 67.35W 224–9 3.8L,3.3b
ISC Event type ke.
SJA Error ellipse: s-maj=4.1km s-min=7.1km az=-1.0.
IDC Error ellipse: s-maj=30.5km s-min=20.9km az=71.0.
GUC Error ellipse: s-maj=3.3km s-min=8.2km az=-1.0.
ISC V 04 21 35 08.9–1.1 23.11S–.06 67.15W–.09 250 35 2-76
GUC V 04 21 35 08.7–.50 23.17S 67.03W 242–12 3.8L ¶610689565
IDC V 04 21 35 14.8–10 22.61S 66.70W 268–71 3.7,3.0b
ISC Event type ke.
GUC Error ellipse: s-maj=2.8km s-min=12.5km az=-1.0.
IDC Error ellipse: s-maj=121.3km s-min=46.5km az=29.0.
ISC V 07 20 42 47.1–.52 23.07S–.05 67.64W–.06 100 4.1b 53 1-146
IDC V 07 20 42 48.5–.94 23.00S 67.72W 122–10 4.1,3.7b ¶610689756
VAO V 07 20 42 50.5–.29 22.62S 67.88W 134 4.3b,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=19.4km s-min=13.7km az=101.0.
VAO Error ellipse: s-maj=3.2km s-min=3.3km az=-1.0.
ISC V 07 23 39 02.4–.61 24.24S–.03 67.19W–.04 182–6 4.2b 182 2-170
SJA V 07 23 39 01.9–1.1 24.26S 67.18W 205–11 4.0L,3.9W ¶610617942
NEIC V 07 23 39 03.1–2.3 24.25S–.06 67.12W–.05 167–9 4.6L,4.3b
IDC V 07 23 39 03.1–1.0 24.22S 67.00W 169–8 4.2,3.7b
VAO V 07 23 39 04.0–.49 24.17S 67.05W 176 4.3b,3.7b
GUC V 07 23 39 04.5–.60 24.23S 67.50W 214–8 4.5L,3.7b
ISC Event type se.
SJA Error ellipse: s-maj=3.1km s-min=4.5km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=5.1km az=206.0. smi:us.anss.org/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=17.1km s-min=11.9km az=40.0.
VAO Error ellipse: s-maj=3.9km s-min=5.1km az=-1.0.
GUC Error ellipse: s-maj=2.4km s-min=7.6km az=-1.0.
ISC V 08 01 48 11.6–.66 24.30S–.04 67.29W–.07 200 77 2-170
IDC V 08 01 48 12.0–1.2 24.23S 66.97W 160–18 3.6,3.2b ¶610617954
NEIC V 08 01 48 12.5–1.6 24.30S–.06 67.4W–.20 203–18 4.2L,4.1b
GUC V 08 01 48 13.3–.66 24.25S 67.50W 215–8 4.2L,4.1b
ISC Event type se.
IDC Error ellipse: s-maj=22.0km s-min=16.4km az=75.0.
NEIC Event type se. Error ellipse: s-maj=23.3km s-min=8.7km az=90.0. smi:us.anss.org/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=2.9km s-min=9.3km az=-1.0.
ISC V 09 14 53 40.7–2.5 24.11S–.05 67.14W–.05 205–22 41 2-4
SJA V 09 14 53 41.9–.86 24.10S 67.10W 191–7 3.6L,3.5W ¶612738709
GUC V 09 14 53 43.4–.86 24.06S 67.51W 209–10 3.9L,3.5W
ISC Event type ke.
SJA Error ellipse: s-maj=3.5km s-min=2.7km az=-1.0.
GUC Error ellipse: s-maj=3.9km s-min=10.7km az=-1.0.
ISC V 11 14 13 22.8–1.2 30.28S–.02 70.53W–.04 105–6 88 0-5

SJA V 11 14 13 21.5–.77 30.29S 70.51W 111–3 3.7L,3.6W ¶612738751
GUC V 11 14 13 23.4–.69 30.27S 70.52W 104–2 4.0L,3.6W
ISC Event type ke.
SJA Error ellipse: s-maj=1.3km s-min=2.2km az=-1.0.
GUC Error ellipse: s-maj=1.1km s-min=3.5km az=-1.0.
ISC V 14 07 22 20.2–.66 24.20S–.05 67.14W–.07 204–10 85 2-170
SJA V 14 07 22 18.7–.41 24.23S 67.37W 247–9 4.0L,3.9W ¶610639168
IDC V 14 07 22 20.1–1.1 24.23S 66.90W 170–16 3.9,3.8b
NEIC V 14 07 22 20.5–1.6 24.19S–.07 67.2W–.10 216–17 4.2L,4.0b
GUC V 14 07 22 22.1–.71 24.16S 67.37W 220–10 4.2L,4.0b
ISC Event type se.
SJA Error ellipse: s-maj=2.3km s-min=11.8km az=-1.0.
IDC Error ellipse: s-maj=18.9km s-min=17.2km az=77.0.
NEIC Event type se. Error ellipse: s-maj=15.4km s-min=10.2km az=108.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=3.4km s-min=9.6km az=-1.0.
ISC V 15 19 54 27.8–2.2 23.90S–.05 67.3W–.20 246–18 55 2-6
NEIC V 15 19 54 27.0–.69 23.93S–.09 67.0W–.20 240–15 4.2L ¶610641624
GUC V 15 19 54 28.7–.56 23.90S 67.34W 226–8 4.2L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=24.0km s-min=12.6km az=96.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=2.8km s-min=8.0km az=-1.0.
ISC V 16 00 33 59.5–.69 25.57S–.03 68.78W–.05 112–7 4.0b 124 1-151
SJA V 16 00 33 58.0–1.9 25.58S 68.72W 90 3.9W,3.8L ¶610639888
IDC V 16 00 33 58.6–1.3 25.67S 68.53W 90–11 3.9,3.7b
NEIC V 16 00 33 59.6–1.7 25.58S–.03 68.78W–.10 113–11 4.1L,4.0b
GUC V 16 00 33 59.8–.64 25.59S 68.90W 127–4 4.1L,4.0b
ISC Event type se.
SJA Error ellipse: s-maj=5.1km s-min=6.1km az=-1.0.
IDC Error ellipse: s-maj=23.6km s-min=10.2km az=82.0.
NEIC Event type se. Error ellipse: s-maj=13.5km s-min=2.6km az=75.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=1.4km s-min=3.7km az=-1.0.
ISC V 17 10 45 59.8–.61 24.36S–.03 67.24W–.04 178–6 4.5b 162 2-170
SJA V 17 10 45 58.1–.66 24.40S 67.20W 202–4 4.1W,4.1L ¶610641794
NEIC V 17 10 45 59.3–1.9 24.39S–.05 67.10W–.10 157–8 4.9b,4.6L
IDC V 17 10 45 59.2–.98 24.37S 67.03W 159–8 4.3,3.7b
GUC V 17 10 46 00.7–.53 24.39S 67.18W 168–8 4.6L,3.7b
ISC Event type se.
SJA Error ellipse: s-maj=1.6km s-min=1.6km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=7.4km az=90.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=15.6km s-min=12.3km az=48.0.
GUC Error ellipse: s-maj=2.4km s-min=3.4km az=-1.0.
ISC V 19 04 14 07.9–.62 24.35S–.04 67.20W–.03 174–6 4.3b 155 2-170
SJA V 19 04 14 05.9–.71 24.39S 67.20W 205–5 4.1W,4.1L ¶610643026
NEIC V 19 04 14 07.6–1.4 24.43S–.07 67.2W–.10 168–11 4.6,4.5b
IDC V 19 04 14 07.8–1.2 24.29S 67.02W 164–11 4.1,3.6b
GUC V 19 04 14 08.9–.77 24.36S 67.16W 143–13 4.7L,3.6b
VAO V 19 04 14 12.3–.63 24.03S 66.92W 197–5 4.4b,3.6b
ISC Event type se.
SJA Error ellipse: s-maj=1.9km s-min=1.5km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=15.4km s-min=9.9km az=102.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=16.8km s-min=14.4km az=25.0.
GUC Error ellipse: s-maj=3.7km s-min=5.0km az=-1.0.
VAO Error ellipse: s-maj=3.4km s-min=4.8km az=-1.0.
ISC V 20 19 49 57.4–2.4 24.17S–.05 67.25W–.04 188–22 40 2-4
SJA V 20 19 49 56.8–.91 24.15S 67.23W 192–8 3.5W,2.7L ¶612738954
GUC V 20 19 50 00.4–.64 24.17S 67.36W 182–8 3.6L,2.7L
ISC Event type ke.
SJA Error ellipse: s-maj=3.5km s-min=2.4km az=-1.0.
GUC Error ellipse: s-maj=2.6km s-min=6.7km az=-1.0.
ISC V 22 15 47 31.3–.93 24.24S–.05 67.19W–.04 191–10 78 2-20
SJA V 22 15 47 29.8–1.1 24.27S 67.15W 201–9 3.7W,3.4L ¶610646387
NEIC V 22 15 47 31.8–1.6 24.23S–.01 67.3W–.20 205–17 4.2b,3.9L
GUC V 22 15 47 32.0–.82 24.18S 67.43W 200–7 3.8L,3.9L
ISC Event type se.
SJA Error ellipse: s-maj=4.3km s-min=3.2km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=24.3km s-min=1.3km az=92.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=4.1km s-min=7.6km az=-1.0.
ISC V 22 19 24 56.2–.67 24.06S–.04 67.01W–.03 201–6 3.2b 108 2-170
SJA V 22 19 24 55.4–.65 24.04S 66.97W 207–4 3.8W,3.5L ¶610646460
IDC V 22 19 24 55.1–1.1 24.16S 66.89W 175–12 3.9,3.1b
NEIC V 22 19 24 56.8–1.4 24.04S–.03 67.2W–.10 225–16 4.5b,4.3L
GUC V 22 19 24 57.3–.75 23.96S 67.32W 216–9 4.4L,4.3L
ISC Event type se.
SJA Error ellipse: s-maj=1.8km s-min=1.5km az=-1.0.
IDC Error ellipse: s-maj=19.8km s-min=14.0km az=72.0.
NEIC Event type se. Error ellipse: s-maj=18.5km s-min=2.2km az=98.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=5.9km s-min=10.1km az=-1.0.
ISC V 23 22 26 00.4–.59 23.99S–.04 67.19W–.04 183–6 4.5b 200 1-170
NEIC V 23 22 25 59.9–2.0 24.05S–.03 67.02W–.09 173–7 4.7b ¶610650853
SJA V 23 22 25 59.4–.90 23.95S 67.13W 207–6 4.3W,4.3L
VAO V 23 22 26 00.5–.37 23.94S 67.14W 181 4.6b,4.3L
IDC V 23 22 26 00.3–.99 24.00S 67.01W 172–9 4.3,3.6b
GUC V 23 22 26 02.2–.67 23.97S 67.44W 213–8 5.0L,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=2.7km az=106.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SJA Error ellipse: s-maj=3.1km s-min=2.4km az=-1.0.
VAO Error ellipse: s-maj=3.1km s-min=4.0km az=-1.0.
IDC Error ellipse: s-maj=15.6km s-min=13.1km az=49.0.
GUC Error ellipse: s-maj=3.0km s-min=8.1km az=-1.0.
ISC V 27 21 40 18.5–.61 30.82S–.04 69.67W–.03 114–6 4.4b 145 1-171
SJA V 27 21 40 15.6–.54 30.85S 69.70W 142–3 3.9W,3.9L ¶610655155
GUC V 27 21 40 18.8–.85 30.83S 69.91W 133–5 4.1L,3.9L
IDC V 27 21 40 19.7–2.0 30.93S 69.66W 120–18 3.9,3.3b
NEIC V 27 21 40 19.0–1.8 30.84S–.05 69.66W–.03 114–7 4.5b,4.1L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 01 13 19 38.0–.99 23.99S–.05 67.0W–.10 202–13 3.3b 47 2-147
IDC VI 01 13 19 37.3–1.0 24.04S 66.81W 174–11 3.7,3.2b ¶610791056
GUC VI 01 13 19 39.4–.74 23.93S 67.31W 231–9 3.8L,3.2b
ISC Event type ke.
IDC Error ellipse: s-maj=16.9km s-min=13.1km az=67.0.
GUC Error ellipse: s-maj=3.3km s-min=9.7km az=-1.0.
ISC VI 02 04 11 33.8–.46 34.76S–.03 70.41W–.03 124–4 4.3b 197 0-169
SJA VI 02 04 11 31.7–.79 34.83S 70.46W 136–4 4.6L,4.3W ¶610659600
VAO VI 02 04 11 32.8–.45 34.86S 70.41W 124 4.2b,4.3W
NEIC VI 02 04 11 33.9–.91 34.80S–.04 70.5W–.10 124–5 4.5L,4.3b
IDC VI 02 04 11 34.9–.63 34.72S 70.25W 124–5 4.3,3.9b
GUC VI 02 04 11 34.6–.67 34.74S 70.50W 125–2 4.5L,3.9b
ISC Event type se.
SJA Error ellipse: s-maj=2.5km s-min=3.0km az=-1.0.
VAO Error ellipse: s-maj=4.3km s-min=5.7km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=5.8km az=103.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=16.8km s-min=8.1km az=100.0.
GUC Error ellipse: s-maj=1.5km s-min=2.7km az=-1.0.
ISC VI 03 06 07 06.9–.70 24.28S–.04 67.28W–.04 182–8 72 2-156
SJA VI 03 06 07 05.0–1.0 24.32S 67.19W 205–14 3.6W,3.5L ¶610791155
IDC VI 03 06 07 06.0–1.3 24.30S 67.03W 152–17 3.9,3.4b
VAO VI 03 06 07 07.9–.92 24.16S 67.12W 178 4.0b,3.4b
GUC VI 03 06 07 08.3–.78 24.23S 67.46W 203–9 3.7L,3.4b
ISC Event type ke.
SJA Error ellipse: s-maj=3.1km s-min=5.7km az=-1.0.
IDC Error ellipse: s-maj=23.2km s-min=12.8km az=87.0.
VAO Error ellipse: s-maj=11.2km s-min=5.3km az=-1.0.
GUC Error ellipse: s-maj=3.8km s-min=7.7km az=-1.0.
ISC VI 04 14 41 38.4–.87 24.20S–.05 67.29W–.04 183–9 83 1-66
SJA VI 04 14 41 36.7–.94 24.26S 67.22W 195–10 3.9W,3.2L ¶611150967
NEIC VI 04 14 41 38.8–1.8 24.19S–.08 67.3W–.20 183–13 4.0b,3.9L
GUC VI 04 14 41 39.5–.73 24.16S 67.50W 203–6 3.9L,3.9L
ISC Event type se.
SJA Error ellipse: s-maj=3.8km s-min=3.6km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=23.8km s-min=11.0km az=101.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=3.0km s-min=6.4km az=-1.0.
ISC VI 05 07 15 33.4–.61 24.21S–.04 67.02W–.04 209–7 3.9b 116 1-170
SJA VI 05 07 15 33.0–.94 24.22S 66.98W 212–7 3.8L,3.7W ¶610661469
IDC VI 05 07 15 33.4–1.3 24.31S 66.82W 161–21 3.9,3.4b
NEIC VI 05 07 15 34.3–1.2 24.24S–.07 67.1W–.10 216–9 4.4L,4.0b
VAO VI 05 07 15 35.4–.84 24.17S 66.96W 204 3.8b,4.0b
GUC VI 05 07 15 36.0–.74 24.15S 67.31W 222–6 4.4L,4.0b
ISC Event type se.
SJA Error ellipse: s-maj=2.7km s-min=3.8km az=-1.0.
IDC Error ellipse: s-maj=25.9km s-min=13.9km az=91.0.
NEIC Event type se. Error ellipse: s-maj=14.1km s-min=9.0km az=113.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Error ellipse: s-maj=8.9km s-min=6.4km az=-1.0.
GUC Error ellipse: s-maj=3.6km s-min=7.2km az=-1.0.
ISC VI 06 14 33 19.5–1.4 34.48S–.03 70.70W–.04 103–7 98 0-8
SJA VI 06 14 33 18.1–.71 34.50S 70.69W 108–3 3.6W,3.6L ¶610664217
NEIC VI 06 14 33 19.8–.68 34.49S–.05 70.66W–.06 99–9 3.6W,3.6L
GUC VI 06 14 33 20.1–.80 34.47S 70.70W 101–3 3.7L,3.6L
ISC Event type se.
SJA Error ellipse: s-maj=1.8km s-min=3.6km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=3.1km az=140.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=1.6km s-min=2.7km az=-1.0.
ISC VI 08 23 56 36.2–1.9 24.14S–.04 67.03W–.06 222–17 66 2-6
SJA VI 08 23 56 38.1–.67 24.15S 67.00W 200–6 3.5W,3.5L ¶612739275
GUC VI 08 23 56 41.1–.47 23.95S 67.37W 232–9 3.7L,3.5L
ISC Event type ke.
SJA Error ellipse: s-maj=1.9km s-min=2.2km az=-1.0.
GUC Error ellipse: s-maj=4.1km s-min=8.6km az=-1.0.
ISC VI 09 06 20 32.9–1.5 33.93S–.03 70.33W–.05 114–7 70 0-4
SJA VI 09 06 20 31.3–.96 33.95S 70.34W 124–6 3.8L,3.7W ¶612739280
GUC VI 09 06 20 32.9–.79 33.92S 70.32W 118–2 3.9L,3.7W
ISC Event type ke.
SJA Error ellipse: s-maj=2.6km s-min=5.1km az=-1.0.
GUC Error ellipse: s-maj=1.6km s-min=3.0km az=-1.0.
ISC VI 09 12 03 53.9–1.6 33.09S–.04 69.99W–.04 124–10 59 0-3
SJA VI 09 12 03 53.3–.80 33.09S 69.97W 123–3 3.5W,3.2L ¶612739282
GUC VI 09 12 03 54.4–.79 33.07S 70.02W 128–3 3.7L,3.2L
ISC Event type ke.
SJA Error ellipse: s-maj=3.1km s-min=2.2km az=-1.0.
GUC Error ellipse: s-maj=2.4km s-min=4.1km az=-1.0.
GUC VI 12 00 47 28.4–.57 24.12S 67.37W 215–10 3.5L
¶612739342
GUC Error ellipse: s-maj=5.0km s-min=11.3km az=-1.0.
ISC VI 12 22 00 57.7–.60 33.64S–.04 70.27W–.05 105–5 3.8b 73 0-170
NEIC VI 12 22 00 57.8–1.5 33.62S–.09 70.2W–.10 100–7 4.1b,4.1L ¶610671342
GUC VI 12 22 00 57.5–.76 33.64S 70.27W 112–2 4.1L,4.1L
IDC VI 12 22 00 59.1–2.3 33.58S 70.06W 117–19 3.7,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.0km s-min=11.2km az=58.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=1.7km s-min=2.8km az=-1.0.
IDC Error ellipse: s-maj=37.0km s-min=19.8km az=109.0.
ISC VI 13 07 58 22.5–.62 24.28S–.04 67.12W–.04 176–6 4.4b 207 2-170
SJA VI 13 07 58 21.4–.71 24.27S 67.10W 204–4 3.9L,3.8W ¶610671758
IDC VI 13 07 58 22.3–1.1 24.22S 66.97W 172–8 4.1,3.9s
NEIC VI 13 07 58 23.0–1.5 24.29S–.09 67.0W–.10 175–8 4.6L,4.4b
VAO VI 13 07 58 23.2–.31 24.20S 67.01W 177 4.2b,4.4b
GUC VI 13 07 58 23.8–.57 24.21S 67.36W 211–7 4.6L,4.4b
ISC Event type se.
SJA Error ellipse: s-maj=2.3km s-min=2.5km az=-1.0.
IDC Error ellipse: s-maj=17.9km s-min=12.7km az=45.0.
NEIC Event type se. Error ellipse: s-maj=16.4km s-min=12.1km az=65.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Error ellipse: s-maj=3.1km s-min=3.1km az=-1.0.
GUC Error ellipse: s-maj=2.7km s-min=5.9km az=-1.0.
ISC VI 19 14 38 16.3–.73 24.45S–.05 67.25W–.04 180–9 58 2-131
VAO VI 19 14 37 41.2–.51 25.07S 70.31W 82 4.3b ¶610792197
SJA VI 19 14 38 14.9–.71 24.48S 67.18W 199–10 3.7W,3.6L
IDC VI 19 14 38 16.2–1.9 24.39S 67.00W 159–25 3.8,3.5b
GUC VI 19 14 38 18.2–.70 24.35S 67.60W 199–9 3.9L,3.5b
ISC Event type ke.
VAO Error ellipse: s-maj=6.2km s-min=5.5km az=-1.0.
SJA Error ellipse: s-maj=3.2km s-min=3.4km az=-1.0.
IDC Error ellipse: s-maj=33.1km s-min=23.1km az=91.0.
GUC Error ellipse: s-maj=3.4km s-min=10.2km az=-1.0.
ISC VI 19 22 45 45.6–.59 24.23S–.04 67.17W–.04 177–5 4.3b 240 2-170
SJA VI 19 22 45 44.8–1.2 24.25S 67.14W 195–15 4.7L,4.4W ¶610681910
VAO VI 19 22 45 45.5–.31 24.20S 67.05W 174 4.6b,4.4W
NEIC VI 19 22 45 45.5–2.0 24.27S–.06 67.01W–.09 171–6 4.7,4.4b
IDC VI 19 22 45 45.8–.89 24.16S 67.01W 171–7 4.4,3.8b
GUC VI 19 22 45 48.1–.81 24.14S 67.36W 204–6 5.1L,3.8b
ISC Event type se.
SJA Error ellipse: s-maj=4.9km s-min=4.3km az=-1.0.
VAO Error ellipse: s-maj=2.7km s-min=3.2km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=8.8km az=85.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=14.3km s-min=10.8km az=48.0.
GUC Error ellipse: s-maj=3.2km s-min=5.8km az=-1.0.
ISC VI 20 19 59 43.2–1.1 33.12S–.02 69.61W–.03 2–10 67 0-152
SJA VI 20 19 59 44.1–1.1 33.11S 69.65W 15–5 3.6W,3.5L ¶610789176
IDC VI 20 19 59 44.3–2.0 33.33S 69.27W 0 4.1b,3.8
GUC VI 20 19 59 44.4–.67 33.12S 69.62W 17–2 3.2L,3.8
ISC Event type ke.
SJA Error ellipse: s-maj=2.6km s-min=3.9km az=-1.0.
IDC Error ellipse: s-maj=91.0km s-min=14.9km az=110.0.
GUC Error ellipse: s-maj=1.9km s-min=3.1km az=-1.0.
ISC VI 21 01 44 15.9–1.3 23.90S–.08 67.2W–.10 238–14 22 2-77
IDC VI 21 01 43 38.3–2.9 26.40S 68.11W 0 3.7L,3.6 ¶612739494
GUC VI 21 01 44 16.3–.66 23.90S 67.17W 219–10 3.6L,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=71.6km s-min=38.6km az=22.0.
GUC Error ellipse: s-maj=3.6km s-min=10.7km az=-1.0.
GUC VI 22 03 37 56.7–.46 24.15S 67.49W 213–3 3.6L
¶612739508

GUC Error ellipse: s-maj=2.0km s-min=4.1km az=-1.0.
ISC VI 22 03 41 21.0–.60 24.13S–.03 67.16W–.04 179–6 4.3b 215 2-155
VAO VI 22 03 41 20.8–.35 24.09S 67.02W 169 4.5b **¶610693469**
SJA VI 22 03 41 20.5–.72 24.12S 67.15W 190–4 4.8L,4.4W
NEIC VI 22 03 41 20.7–1.6 24.15S–.07 66.97W–.09 168–7 5.0,4.4b
IDC VI 22 03 41 20.8–.94 24.05S 66.98W 172–9 4.3,3.8b
GUC VI 22 03 41 22.1–.67 24.12S 67.47W 218–5 5.3L,3.8b
ISC Event type se.
VAO Error ellipse: s-maj=3.0km s-min=3.5km az=-1.0.
SJA Error ellipse: s-maj=2.0km s-min=1.7km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=12.3km s-min=9.7km az=88.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=13.1km s-min=10.8km az=78.0.
GUC Error ellipse: s-maj=2.5km s-min=4.9km az=-1.0.
ISC VI 22 05 51 33.8–.62 24.18S–.04 67.23W–.04 199–7 131 1-166
IDC VI 22 05 51 33.4–1.1 24.21S 66.96W 159–13 3.8,3.2b **¶610693474**
NEIC VI 22 05 51 33.2–.87 24.21S–.08 67.2W–.10 216–10 4.3b,4.3L
SJA VI 22 05 51 33.5–.72 24.12S 67.16W 200–4 4.0L,3.9W
GUC VI 22 05 51 35.7–.73 24.10S 67.42W 215–6 4.3L,3.9W
VAO VI 22 05 51 39.4–1.1 23.82S 66.80W 194 3.7b,3.9W
ISC Event type se.
IDC Error ellipse: s-maj=18.2km s-min=12.7km az=82.0.
NEIC Event type se. Error ellipse: s-maj=19.4km s-min=11.0km az=101.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SJA Error ellipse: s-maj=1.8km s-min=1.8km az=-1.0.
GUC Error ellipse: s-maj=3.5km s-min=6.4km az=-1.0.
VAO Error ellipse: s-maj=6.3km s-min=10.8km az=-1.0.
ISC VI 23 17 09 17.9–.86 24.19S–.04 67.13W–.04 215–7 109 2-66
SJA VI 23 17 09 17.9–.72 24.19S 67.09W 212–5 3.6L,3.5W **¶611151100**
NEIC VI 23 17 09 18.9–1.8 24.20S–.08 67.2W–.10 216–10 4.1L,4.0b
GUC VI 23 17 09 21.5–.67 24.04S 67.47W 233–9 4.0L,4.0b
ISC Event type se.
SJA Error ellipse: s-maj=2.2km s-min=1.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=19.9km s-min=10.3km az=108.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=5.7km s-min=8.7km az=-1.0.
ISC VI 26 20 03 22.9–.61 24.27S–.04 67.34W–.03 175–7 4.2b 199 2-156
SJA VI 26 20 03 21.9–.69 24.25S 67.29W 192–4 4.3L,4.0W **¶610695187**
IDC VI 26 20 03 22.2–1.0 24.32S 67.13W 154–11 4.3,3.7b
NEIC VI 26 20 03 22.8–2.1 24.34S–.07 67.42W–.09 187–7 4.5L,4.4b
VAO VI 26 20 03 23.6–.34 24.19S 67.23W 170 4.3b,4.4b
GUC VI 26 20 03 24.1–.71 24.22S 67.52W 201–5 4.5L,4.4b
ISC Event type se.
SJA Error ellipse: s-maj=1.6km s-min=1.5km az=-1.0.
IDC Error ellipse: s-maj=17.6km s-min=11.6km az=78.0.
NEIC Event type se. Error ellipse: s-maj=13.5km s-min=8.2km az=124.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Error ellipse: s-maj=3.5km s-min=3.3km az=-1.0.
GUC Error ellipse: s-maj=3.1km s-min=5.5km az=-1.0.
ISC VI 27 19 23 33.1–1.3 32.09S–.02 70.97W–.04 90–10 75 1-5
SJA VI 27 19 23 31.6–.71 32.09S 70.94W 95–4 3.7W,3.7L **¶612739616**
GUC VI 27 19 23 32.5–.90 32.10S 70.91W 80–5 3.6L,3.7L
ISC Event type ke.
SJA Error ellipse: s-maj=1.1km s-min=2.4km az=-1.0.
GUC Error ellipse: s-maj=1.4km s-min=4.3km az=-1.0.
ISC VI 30 00 27 24.7–2.1 24.17S–.06 67.03W–.05 214–18 41 1-5
SJA VI 30 00 27 25.0–.80 24.18S 66.99W 211–7 3.6L,3.5W **¶612739636**
GUC VI 30 00 27 28.6–.63 24.03S 67.33W 224–8 3.9L,3.5W
ISC Event type ke.
SJA Error ellipse: s-maj=3.4km s-min=3.5km az=-1.0.
GUC Error ellipse: s-maj=4.0km s-min=8.0km az=-1.0.
ISC VI 30 21 53 40.9–1.1 23.18S–.05 67.0W–.10 230–12 61 1-76
NEIC VI 30 21 53 40.3–1.1 23.25S–.09 67.0W–.20 236–17 4.0L **¶610728835**
GUC VI 30 21 53 41.7–.58 23.18S 67.06W 240–10 4.0L
IDC VI 30 21 53 45.1–9.4 22.83S 66.74W 251–65 3.6,2.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=24.3km s-min=12.9km az=94.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=2.5km s-min=9.6km az=-1.0.
IDC Error ellipse: s-maj=106.2km s-min=24.8km az=22.0.

(128) Jujuy Province.

ISC I 04 15 44 01.5–.59 23.87S–.03 66.85W–.03 211–6 3.6b 192 1-166
SJA I 04 15 44 00.7–.72 23.86S 66.81W 220–4 4.3L,4.0W **¶609985348**
IDC I 04 15 44 01.7–1.0 23.89S 66.73W 191–11 3.8,3.2b
NEIC I 04 15 44 01.4–2.0 23.89S–.07 67.0W–.10 233–14 4.5L,4.1b
VAO I 04 15 44 03.9–.63 23.43S 66.89W 226–9 3.8b,4.1b
GUC I 04 15 44 03.6–.47 23.75S 67.20W 248–6 4.4L,4.1b
ISC Event type se.
SJA Error ellipse: s-maj=1.9km s-min=1.7km az=-1.0.
IDC Error ellipse: s-maj=20.3km s-min=14.6km az=38.0.
NEIC Event type se. Error ellipse: s-maj=17.8km s-min=9.8km az=96.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Error ellipse: s-maj=7.2km s-min=8.0km az=-1.0.
GUC Error ellipse: s-maj=3.7km s-min=6.4km az=-1.0.
ISC I 06 19 20 10.4–.89 22.77S–.08 66.8W–.10 282–20 36 2-27
VAO I 06 19 20 08.2–1.2 23.09S 67.38W 352–16 4.1b **¶612084017**
GUC I 06 19 20 12.0–.52 22.80S 66.64W 262–7 3.8L
ISC Event type ke.
VAO Error ellipse: s-maj=14.6km s-min=21.7km az=-1.0.
GUC Error ellipse: s-maj=2.3km s-min=6.1km az=-1.0.
ISC I 18 19 08 02.3–.60 23.99S–.06 66.87W–.07 200 3.9b 41 2-156
GUC I 18 19 08 02.8–.49 23.98S 67.11W 233–5 3.9L **¶610237681**
IDC I 18 19 08 02.8–1.1 23.73S 66.70W 195–9 4.1,3.7b
ISC Event type ke.
GUC Error ellipse: s-maj=4.6km s-min=5.3km az=-1.0.
IDC Error ellipse: s-maj=23.2km s-min=13.9km az=13.0.
GUC I 20 01 33 32.4–.45 22.89S 66.96W 259–7 3.5L
¶612084216
GUC Error ellipse: s-maj=3.7km s-min=7.0km az=-1.0.
GUC I 23 15 20 24.8–.36 22.74S 66.83W 307–10 3.5L
¶612084277
GUC Error ellipse: s-maj=5.8km s-min=9.9km az=-1.0.
ISC I 24 20 22 12.0–.63 23.32S–.04 66.68W–.04 225–7 165 2-146
IDC I 24 20 22 11.9–1.2 23.32S 66.53W 206–18 3.9,3.2b **¶610117012**
GUC I 24 20 22 13.8–.71 23.26S 66.95W 249–9 4.0L,3.2b
NEIC I 24 20 22 13–1.7 23.31S–.08 66.8W–.20 232–15 4.1b,4.0L
SJA I 24 20 22 14.4–2.0 23.36S 66.65W 175 4.1L,3.8W
VAO I 24 20 22 14.9–.48 22.72S 66.54W 201–7 3.8b,3.8W
ISC Event type se.
IDC Error ellipse: s-maj=23.5km s-min=18.4km az=116.0.
GUC Error ellipse: s-maj=4.9km s-min=7.3km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=24.7km s-min=9.8km az=102.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SJA Error ellipse: s-maj=6.7km s-min=5.2km az=-1.0.
VAO Error ellipse: s-maj=8.0km s-min=4.8km az=-1.0.
ISC I 29 02 45 57.7–.77 22.55S–.07 66.82W–.07 203–9 47 2-145
IDC I 29 02 45 57.5–1.3 22.69S 66.74W 192–15 3.7,3.1b **¶610235608**
VAO I 29 02 45 58.8–.60 22.17S 66.94W 206–10 3.7b,3.1b
GUC I 29 02 45 59.1–.61 22.68S 67.13W 233–8 4.1L,3.1b
ISC Event type ke.
IDC Error ellipse: s-maj=30.2km s-min=16.8km az=142.0.
VAO Error ellipse: s-maj=8.2km s-min=8.7km az=-1.0.
GUC Error ellipse: s-maj=5.5km s-min=8.6km az=-1.0.
ISC II 10 19 56 17.9–1.0 23.19S–.10 66.7W–.10 200 9 2-146
SJA II 10 19 56 18.4–.84 23.16S 66.83W 204–12 3.8L,3.7W **¶610415258**
IDC II 10 19 56 18.4–1.6 23.14S 66.71W 186–21 3.8,3.4b
ISC Event type ke.
SJA Error ellipse: s-maj=4.7km s-min=3.5km az=-1.0. Hypocentre not reviewed by the ISC.
IDC Error ellipse: s-maj=30.9km s-min=18.6km az=124.0.
ISC II 14 09 38 31.8–.34 23.83S–.03 66.67W–.04 182–2 5.2b 1456 1-170
BJI II 14 09 38 30.3–.00 23.74S 66.62W 167 5.2b **¶610208991**
MOS II 14 09 38 30.8–1.2 23.83S 66.63W 180 5.2b
SJA II 14 09 38 31.6–.74 23.90S 66.78W 237–5 5.4L,5.0W
VAO II 14 09 38 31.6–.24 23.78S 66.76W 181 5.5b,5.0W
NEIC II 14 09 38 32.3–2.1 23.84S–.06 66.61W–.07 180–3 5.7L,5.4
IDC II 14 09 38 33.1–.65 23.81S 66.56W 192–5 5.3,4.8b
GUC II 14 09 38 34.9–.41 23.76S 67.14W 250–7 5.7L,4.8b
NEIC II 14 09 38 36.9 23.96S 66.78W 220 5.7L,4.8b
GCMT II 14 09 38 38.3–.10 23.89S–.01 66.86W–.01 225–1 5.4W,4.8b
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s213.59622°,δ22.28786°,λ-54.02381°. NP2: ϕ_s355.48135°,δ72.12626°,λ-103.53825°. Principal axes: T Plg25.9288°,Azm96.0875° ; N Plg12.8733°,Azm359.7079°; P Plg60.6106°,Azm245.7686°
ISC Hypocentre not reviewed by the ISC.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution.Duration: 2s3 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.57 $M_{\theta\theta}$-0.04 $M_{\phi\phi}$0.61 $M_{r\theta}$0.27 $M_{\theta\phi}$0.49 $M_{\phi r}$-1.12 NP1:ϕ_s354.82000°,δ77.04000° ,λ-114.12000°. NP2:ϕ_s238.22000°,δ27.20000°,λ-29.38000°. Principal axes: T 1.3528,Plg28.0000°,Azm104.0000°; N 0.0731,Plg23.0000°,Azm1.0000° ; P -1.4259,Plg52.0000°,Azm237.0000° $M_0$1.39000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s102,c152; s139,c222;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.73±.02 $M_{\theta\theta}$-0.15±.02; $M_{\phi\phi}$0.88±.02; $M_{r\theta}$0.26±.02; $M_{\theta\phi}$0.29±.02; $M_{\phi r}$-1.07±.02; Best double couple: NP1:ϕ_s352.00000°,δ73.00000°,λ-108.00000°. NP2:ϕ_s220.00000°,δ25.00000°,λ-45.00000°. Principal axes: T 1.4280,Plg26.0000° ,Azm96.0000°; N -0.0530,Plg17.0000°,Azm357.0000°; P -1.3760,Plg58.0000° ,Azm237.0000° $M_0$1.40200×10^{17}
ISC II 18 12 10 17.1–.27 23.89S–.02 66.71W–.03 212–2 5.9b 2294 1-179
SJA II 18 12 10 15.9–1.0 23.90S 66.83W 200 6.2L,5.9W **¶610243814**
MOS II 18 12 10 15.9–1.4 23.71S 66.71W 203 6.0b,5.4s
GUC II 18 12 10 16.1–.78 23.91S 67.26W 266–14 6.5L,5.4s
VAO II 18 12 10 16.2–.37 23.82S 66.61W 208–3 6.1b,5.4s
IDC II 18 12 10 17.7–.52 23.77S 66.64W 216–3 5.9,5.3b
NEIC II 18 12 10 18.0–2.5 23.86S–.06 66.66W–.07 222–1 6.4,6.4
GCMT II 18 12 10 23.0–.10 23.87S 66.87W 222–0 6.4W,6.4
NEIC II 18 12 10 26.7 23.85S 66.85W 210 6.4W,6.4
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s35.69983°,δ76.36516°,λ-85.97715°. NP2: ϕ_s199.08810°,δ14.20512°,λ-106.13059°. Principal axes: T Plg31.2516°,Azm122.3733° ; N Plg3.9093°,Azm214.7500°; P Plg58.4490°,Azm311.1398° Moment Tensor Solution. NP1: ϕ_s348.83212°,δ65.25272°,λ-102.87251°. NP2:ϕ_s197.46254°,δ27.70670°,λ-64.20494°. Principal axes: T Plg19.2702°,Azm88.4386°; N Plg11.6728°,Azm354.2967°; P Plg67.2256° ,Azm234.8189°
SJA Error ellipse: s-maj=3.6km s-min=3.5km az=-1.0. Hypocentre not reviewed by the ISC.
MOS Error ellipse: s-maj=9.3km s-min=5.7km az=104.7.
GUC Error ellipse: s-maj=4.7km s-min=18.3km az=-1.0.
VAO Error ellipse: s-maj=2.5km s-min=2.6km az=-1.0.
IDC Error ellipse: s-maj=6.8km s-min=5.1km az=70.0.
NEIC Event type se. Error ellipse: s-maj=11.4km s-min=9.6km az=259.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-0.74 $M_{\theta\theta}$-0.72 $M_{\phi\phi}$1.46 $M_{r\theta}$-0.16 $M_{\theta\phi}$0.12 $M_{\phi r}$-4.89 NP1:ϕ_s1.80000°,δ83.63000°,λ-90.63000°. NP2:ϕ_s187.47000°,δ6.40000° ,λ-84.36000°. Principal axes: T 5.3756,Plg39.0000°,Azm92.0000°; N -0.7251,Plg1.0000° ,Azm2.0000°; P -4.6505,Plg51.0000°,Azm271.0000° $M_0$5.05000×10^{18}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s167,c413; s163,c651; Duration: 3s8 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.82±.02 $M_{\theta\theta}$-0.36±.02; $M_{\phi\phi}$1.19±.02; $M_{r\theta}$-0.36±.02; $M_{\theta\phi}$0.12±.02; $M_{\phi r}$-4.59±.02; Best double couple: NP1:ϕ_s4.00000°,δ84.00000° ,λ-90.00000°. NP2:ϕ_s184.00000°,δ6.00000°,λ-91.00000°. Principal axes: T 4.9020,Plg39.0000°,Azm94.0000°; N -0.3730,Plg0.0000°,Azm184.0000° ; P -4.5260,Plg51.0000°,Azm275.0000° $M_0$4.71400×10^{18}
NEIC Event type se. Moment Tensor Solution.Duration: 7s3 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.77 $M_{\theta\theta}$0.11 $M_{\phi\phi}$0.66 $M_{r\theta}$-0.57 $M_{\theta\phi}$-0.12 $M_{\phi r}$-4.13 NP1:ϕ_s7.51000°,δ85.28000° ,λ-87.44000°. NP2:ϕ_s159.00000°,δ5.37000°,λ-118.41000°. Principal axes: T 4.1595,Plg40.0000°,Azm95.0000°; N 0.1517,Plg3.0000°,Azm187.0000° ; P -4.3112,Plg50.0000°,Azm280.0000° $M_0$4.24000×10^{18}
ISC II 18 12 43 33.2–.36 23.87S–.04 66.74W–.05 200 4.3b 175 1-166
SJA II 18 12 43 31.9–1.2 23.90S 66.81W 221–10 4.4L,4.1W **¶610231442**
IDC II 18 12 43 33.6–1.0 23.81S 66.62W 199–7 4.3,4.1s
VAO II 18 12 43 33.1–.26 23.91S 66.83W 216 4.4b,4.1s
NEIC II 18 12 43 33.2–1.8 23.98S–.07 66.77W–.10 199–7 4.9,4.5b
GUC II 18 12 43 34.5–.68 23.89S 67.10W 233–12 4.7L,4.5b
ISC Event type se.
SJA Error ellipse: s-maj=3.5km s-min=3.3km az=-1.0. Hypocentre not reviewed by the ISC.
IDC Error ellipse: s-maj=16.1km s-min=10.8km az=18.0.
VAO Error ellipse: s-maj=2.7km s-min=2.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=10.3km az=75.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=3.9km s-min=12.6km az=-1.0.
ISC II 26 14 48 58.1–1.4 23.81S–.06 66.7W–.10 200 48 2-15
SJA II 26 14 48 57.8–.97 23.83S 66.70W 228–9 3.6W,3.5L **¶611149100**
NEIC II 26 14 48 57.7–1.1 23.81S–.05 66.6W–.20 207–27 4.0L,3.5L
GUC II 26 14 49 00.8–.65 23.67S 67.14W 256–9 4.0L,3.5L
ISC Event type se.
SJA Error ellipse: s-maj=6.5km s-min=3.3km az=-1.0. Hypocentre not reviewed by the ISC.
NEIC Event type se. Error ellipse: s-maj=28.5km s-min=3.7km az=102.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=5.2km s-min=9.3km az=-1.0.
ISC II 28 10 06 08.6–.56 23.96S–.06 64.65W–.08 35 4.0b 59 4-145
IDC II 28 10 06 03.4–.72 24.00S 64.70W 0 3.9,3.9b **¶610385192**
NEIC II 28 10 06 07.5–2.5 23.99S–.07 64.52W–.09 24–8 4.3b,3.9b
VAO II 28 10 06 13.2–.47 23.82S 64.50W 124 4.5b,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=18.8km s-min=16.2km az=106.0.
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=10.0km az=106.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Error ellipse: s-maj=3.9km s-min=4.5km az=-1.0.
ISC III 02 23 18 34.7–1.4 23.14S–.09 66.87W–.10 208 20 2-146
GUC III 02 23 18 34.8–.53 23.15S 67.16W 249–13 2.9L **¶610545415**
IDC III 02 23 18 38.9–10 22.77S 66.59W 228–76 3.4,2.8b
ISC Event type ke.
GUC Error ellipse: s-maj=4.0km s-min=12.3km az=-1.0.
IDC Error ellipse: s-maj=133.8km s-min=84.6km az=54.0.
ISC III 04 09 13 01.3–.74 23.65S–.05 66.71W–.08 219–10 4.1b 72 1-169
SJA III 04 09 13 01.3–.56 23.54S 66.58W 223–4 3.7W,3.4L **¶610245305**
IDC III 04 09 13 01.3–1.0 23.67S 66.52W 199–13 3.7,3.5b
NEIC III 04 09 13 02.5–1.0 23.67S–.07 66.9W–.20 230–10 4.3b,3.5b
GUC III 04 09 13 03.9–.57 23.54S 67.05W 251–9 4.3L,3.5b
ISC Event type se.
SJA Error ellipse: s-maj=4.4km s-min=2.1km az=-1.0. Hypocentre not reviewed by the ISC.
IDC Error ellipse: s-maj=19.3km s-min=17.3km az=54.0.
NEIC Event type se. Error ellipse: s-maj=21.1km s-min=9.7km az=93.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=5.2km s-min=8.3km az=-1.0.
ISC III 20 03 01 05.0–.75 23.95S–.05 66.84W–.08 215–11 71 1-169
NEIC III 20 03 01 05.2–.81 23.95S–.05 66.9W–.10 247–22 4.3L,4.0b **¶610346336**
SJA III 20 03 01 06.3–.67 23.91S 66.85W 214–5 3.9L,3.7W
IDC III 20 03 01 06.2–1.1 23.92S 66.64W 182–12 3.4,2.8b
GUC III 20 03 01 08.3–.65 23.92S 67.25W 241–9 4.3L,2.8b
ISC Event type se.

NEIC Event type se. Error ellipse: s-maj=19.2km s-min=7.0km az=81.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SJA Error ellipse: s-maj=2.7km s-min=1.9km az=-1.0. Hypocentre not reviewed by the ISC.
IDC Error ellipse: s-maj=18.0km s-min=15.4km az=52.0.
GUC Error ellipse: s-maj=3.3km s-min=8.8km az=-1.0.
ISC III 20 18 16 52.7–.96 23.19S–.05 66.9W–.10 228–15 47 2-146
IDC III 20 18 16 52.5–1.3 23.16S 66.61W 194–22 3.6,3.0b ¶610543347
SJA III 20 18 16 53.8–1.4 23.18S 66.79W 200 3.5W,3.5L
GUC III 20 18 16 54.1–.62 23.13S 67.14W 254–8 3.9L,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=28.4km s-min=16.1km az=108.0.
SJA Error ellipse: s-maj=7.5km s-min=5.2km az=-1.0. Hypocentre not reviewed by the ISC.
GUC Error ellipse: s-maj=3.3km s-min=8.6km az=-1.0.
ISC III 26 22 20 39.5–.70 23.05S–.05 66.92W–.09 243–13 61 2-146
SJA III 26 22 20 38.1–.81 23.10S 66.72W 248–13 3.7L,3.6W ¶610543752
VAO III 26 22 20 41.6–.53 22.66S 66.86W 236 3.6b,3.6W
GUC III 26 22 20 41.2–.55 23.08S 67.01W 248–10 4.0L,3.6W
IDC III 26 22 20 46.5–9.3 22.49S 66.30W 251–69 4.6b,4.4
ISC Event type ke.
SJA Error ellipse: s-maj=5.3km s-min=12.7km az=-1.0. Hypocentre not reviewed by the ISC.
VAO Error ellipse: s-maj=5.3km s-min=5.2km az=-1.0.
GUC Error ellipse: s-maj=2.8km s-min=8.4km az=-1.0.
IDC Error ellipse: s-maj=109.3km s-min=37.0km az=21.0.
ISC III 27 15 04 01.5–.51 22.68S–.05 66.26W–.05 250 4.2b 121 1-168
SJA III 27 15 04 00.1–.85 22.70S 66.18W 270–7 4.5L,4.1W ¶610436984
IDC III 27 15 04 01.9–1.0 22.65S 66.17W 242–13 4.1,3.3b
NEIC III 27 15 04 02.3–1.9 22.67S–.08 66.3W–.10 254–13 4.3b,3.3b
VAO III 27 15 04 03.8–.30 22.47S 66.23W 246–6 4.1b,3.3b
ISC Event type se.
SJA Error ellipse: s-maj=4.0km s-min=4.0km az=-1.0. Hypocentre not reviewed by the ISC.
IDC Error ellipse: s-maj=20.8km s-min=14.8km az=110.0.
NEIC Event type se. Error ellipse: s-maj=17.3km s-min=11.5km az=105.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Error ellipse: s-maj=2.8km s-min=4.1km az=-1.0.
ISC III 29 13 52 15.3–.56 23.40S–.04 66.72W–.06 201 4.2b 93 1-146
VAO III 29 13 51 33.4–.71 25.51S 69.18W 10 4.1b ¶610543935
NEIC III 29 13 52 15.9–1.5 23.40S–.07 66.7W–.10 205–12 4.4b
SJA III 29 13 52 16.0–.82 23.28S 66.77W 219–5 4.0L,3.9W
IDC III 29 13 52 16.1–.95 23.29S 66.71W 202–11 4.0,3.2b
GUC III 29 13 52 17.9–.71 23.20S 67.18W 233–9 4.6L,3.2b
ISC Event type se.
VAO Error ellipse: s-maj=6.1km s-min=12.4km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=17.2km s-min=10.5km az=100.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SJA Error ellipse: s-maj=3.0km s-min=2.3km az=-1.0. Hypocentre not reviewed by the ISC.
IDC Error ellipse: s-maj=16.2km s-min=12.7km az=117.0.
GUC Error ellipse: s-maj=4.6km s-min=9.0km az=-1.0.
ISC IV 03 07 04 50.7–.59 23.90S–.04 66.85W–.05 201–6 4.2b 154 1-169
SJA IV 03 07 04 48.6–.52 23.82S 66.78W 237–8 3.9W,3.0L ¶610471084
NEIC IV 03 07 04 50.6–1.8 23.91S–.07 66.78W–.09 194–7 4.2L,4.2b
IDC IV 03 07 04 50.6–1.2 23.82S 66.69W 193–8 3.9,3.4b
GUC IV 03 07 04 52.3–.60 23.90S 67.16W 231–10 4.2L,3.4b
VAO IV 03 07 04 53.1–.38 23.69S 66.89W 202 4.1b,3.4b
ISC Event type se.
SJA Error ellipse: s-maj=5.1km s-min=5.5km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=9.5km az=84.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=17.9km s-min=12.4km az=2.0.
GUC Error ellipse: s-maj=3.2km s-min=9.9km az=-1.0.
VAO Error ellipse: s-maj=3.7km s-min=3.8km az=-1.0.
ISC IV 04 08 49 09.4–1.3 22.60S–.05 66.21W–.06 251 57 1-5
SJA IV 04 08 49 07.3–1.0 22.56S 66.04W 271–6 3.6W,3.6L ¶616617863
ISC Event type ke.
SJA Error ellipse: s-maj=4.2km s-min=4.6km az=-1.0.
ISC IV 07 18 27 11.4–.74 23.95S–.04 66.98W–.08 224–9 3.6b 102 2-169
IDC IV 07 18 27 11.5–1.4 23.96S 66.76W 206–15 4.2s,3.8 ¶610521456
NEIC IV 07 18 27 11.8–2.4 23.93S–.07 67.1W–.10 237–16 4.3b,4.0L
VAO IV 07 18 27 11.8–.74 23.91S 67.38W 277 3.9b,4.0L
GUC IV 07 18 27 12.9–.80 23.92S 67.31W 238–11 4.0L,4.0L
ISC Event type se.
IDC Error ellipse: s-maj=21.6km s-min=20.4km az=172.0.
NEIC Event type se. Error ellipse: s-maj=17.2km s-min=9.7km az=92.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Error ellipse: s-maj=12.1km s-min=9.1km az=-1.0.
GUC Error ellipse: s-maj=4.0km s-min=11.3km az=-1.0.
ISC IV 16 05 46 16.5–.61 23.91S–.05 66.85W–.05 200–6 4.1b 193 1-151
SJA IV 16 05 46 14.1–1.1 23.97S 66.78W 236–13 3.9W,3.7L ¶610528772
IDC IV 16 05 46 16.0–.95 23.92S 66.72W 194–8 4.0,3.5b
NEIC IV 16 05 46 16.8–1.2 23.92S–.04 66.78W–.08 194–8 4.3b,4.2L
VAO IV 16 05 46 16.2–.26 23.91S 66.77W 193 4.0b,4.2L
GUC IV 16 05 46 18.6–.61 23.94S 67.25W 219–12 4.2L,4.2L
ISC Event type se.
SJA Error ellipse: s-maj=3.8km s-min=7.5km az=-1.0.
IDC Error ellipse: s-maj=15.6km s-min=11.9km az=34.0.
NEIC Event type se. Error ellipse: s-maj=11.4km s-min=3.0km az=63.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Error ellipse: s-maj=2.6km s-min=2.9km az=-1.0.
GUC Error ellipse: s-maj=6.0km s-min=9.1km az=-1.0.
ISC IV 19 20 27 11.7–.45 23.92S–.03 66.74W–.04 177–4 4.8b 577 1-171
SJA IV 19 20 27 09.8–.80 23.95S 66.75W 243–7 4.4L,4.2W ¶610544096
NEIC IV 19 20 27 12.3–1.9 23.94S–.05 66.65W–.08 180–6 5.0L,4.8b
IDC IV 19 20 27 13.1–.82 23.92S 66.64W 190–6 4.7,4.2b
VAO IV 19 20 27 13.5–.29 23.91S 66.66W 193 4.7b,4.2b
GUC IV 19 20 27 15.3–.81 23.93S 67.02W 224–12 5.0L,4.2b
ISC Event type se.
SJA Error ellipse: s-maj=3.5km s-min=4.2km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=8.0km az=88.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=10.8km s-min=9.2km az=29.0.
VAO Error ellipse: s-maj=3.3km s-min=2.7km az=-1.0.
GUC Error ellipse: s-maj=4.4km s-min=10.2km az=-1.0.
ISC IV 20 06 37 33.1–.65 23.27S–.04 66.67W–.04 231–7 88 1-146
SJA IV 20 06 37 32.4–.76 23.24S 66.61W 237–5 3.7W,3.3L ¶610653098
IDC IV 20 06 37 33.6–2.1 23.22S 66.49W 210–23 3.7,3.2b
GUC IV 20 06 37 34.8–.43 23.23S 66.87W 250–6 3.8L,3.2b
NEIC IV 20 06 37 34.3–.72 23.26S–.06 66.8W–.20 241–10 4.3b,3.8L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 20 21 02 32.4–1.3 23.00S–.08 66.34W–.09 222 24 2-145
IDC IV 20 21 02 32.9–10 22.83S 65.94W 210–79 3.6,3.1b ¶610653135
GUC IV 20 21 02 34.5–.79 23.07S 66.93W 258–17 3.0L,3.1b
ISC Event type ke.
IDC Error ellipse: s-maj=133.3km s-min=78.4km az=45.0.
GUC Error ellipse: s-maj=5.9km s-min=19.2km az=-1.0.
ISC IV 21 07 18 15.1–.99 23.79S–.04 66.86W–.04 221–9 62 1-76
SJA IV 21 07 18 14.0–.92 23.81S 66.76W 232–9 3.6W,3.6L ¶610653170
IDC IV 21 07 18 16.4–1.8 23.68S 66.80W 219–31 3.5,3.0b
GUC IV 21 07 18 16.9–.68 23.78S 67.15W 248–10 4.2L,3.0b
ISC Event type ke.
SJA Error ellipse: s-maj=3.8km s-min=4.8km az=-1.0.
IDC Error ellipse: s-maj=38.8km s-min=30.4km az=115.0.
GUC Error ellipse: s-maj=3.1km s-min=9.0km az=-1.0.
ISC IV 24 14 50 10.0–.58 22.57S–.05 66.34W–.05 261–6 4.1b 163 1-145
IDC IV 24 14 50 09.5–1.1 22.74S 66.15W 241–14 4.1,3.6b ¶610548737
GUC IV 24 14 50 10.9–.67 22.57S 66.72W 278–12 3.9L,3.6b
NEIC IV 24 14 50 10.7–1.4 22.63S–.08 66.38W–.08 271–14 4.3b,3.6b
SJA IV 24 14 50 10.3–.91 22.63S 66.24W 255–6 4.0L,3.9W
VAO IV 24 14 50 10.2–.25 22.51S 66.43W 271 3.7b,3.9W
ISC Event type se.
IDC Error ellipse: s-maj=25.3km s-min=19.0km az=144.0.
GUC Error ellipse: s-maj=4.9km s-min=14.6km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=9.7km az=141.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SJA Error ellipse: s-maj=4.2km s-min=3.7km az=-1.0.
VAO Error ellipse: s-maj=2.8km s-min=2.7km az=-1.0.
ISC IV 26 14 44 22.5–2.0 23.93S–.04 66.99W–.05 215–16 57 2-5
SJA IV 26 14 44 22.9–1.1 23.89S 66.94W 211–8 3.5W,3.4L ¶616345362
GUC IV 26 14 44 25.7–.48 23.68S 67.40W 228–6 3.8L,3.4L
ISC Event type ke.
SJA Error ellipse: s-maj=4.0km s-min=3.5km az=-1.0.
GUC Error ellipse: s-maj=3.8km s-min=5.7km az=-1.0.
ISC IV 27 03 37 29.2–2.7 23.88S–.06 66.72W–.07 241–21 48 1-5
SJA IV 27 03 37 27.9–.49 23.93S 66.63W 253–3 3.7L,3.4W ¶616345379
GUC IV 27 03 37 33.7–.48 23.73S 67.05W 251–8 3.5L,3.4W
ISC Event type ke.
SJA Error ellipse: s-maj=2.0km s-min=1.7km az=-1.0.
GUC Error ellipse: s-maj=5.6km s-min=6.8km az=-1.0.
IDC IV 29 06 19 56.2–6.4 23.37S 66.73W 0 3.7b,3.6
¶610650288
IDC Error ellipse: s-maj=190.7km s-min=51.9km az=56.0.
SJA IV 30 07 42 34.6–.58 23.69S 66.66W 208–10 4.5L,3.7W
¶616617873
SJA Error ellipse: s-maj=3.8km s-min=4.9km az=-1.0.
ISC V 02 04 10 05.3–.60 23.87S–.04 66.78W–.04 211–6 4.2b 134 1-94
IDC V 02 04 10 04.6–2.5 23.81S 66.60W 200–22 3.8,3.4b ¶610689364
SJA V 02 04 10 05.1–.91 23.90S 66.75W 206–10 3.6W,3.5L
NEIC V 02 04 10 05.5–1.4 23.94S–.07 66.8W–.10 216–8 4.5b,4.0L
GUC V 02 04 10 06.3–.63 23.89S 67.09W 246–9 4.0L,4.0L
VAO V 02 04 10 07.3–.28 23.56S 66.66W 196 3.7b,4.0L
ISC Event type se.
IDC Error ellipse: s-maj=31.7km s-min=20.4km az=58.0.
SJA Error ellipse: s-maj=2.8km s-min=5.4km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=16.2km s-min=9.7km az=90.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=3.0km s-min=9.0km az=-1.0.
VAO Error ellipse: s-maj=2.8km s-min=3.1km az=-1.0.
ISC V 05 12 38 56.1–.76 23.73S–.05 66.99W–.04 193–7 3.2b 69 2-146
SJA V 05 12 38 55.3–1.1 23.78S 66.89W 221–13 3.7W,3.5L ¶610689609
IDC V 05 12 38 55.5–1.6 23.69S 66.76W 178–14 3.5,3.0b
GUC V 05 12 38 56.5–.64 23.72S 67.39W 223–7 3.9L,3.0b
ISC Event type ke.
SJA Error ellipse: s-maj=3.8km s-min=6.5km az=-1.0.
IDC Error ellipse: s-maj=23.3km s-min=18.7km az=162.0.
GUC Error ellipse: s-maj=4.2km s-min=7.4km az=-1.0.
ISC V 10 13 15 53.7–.60 23.89S–.04 66.82W–.04 212–6 3.9b 151 1-169
SJA V 10 13 15 52.4–.86 23.89S 66.75W 226–7 4.2L,3.9W ¶610623008
IDC V 10 13 15 53.5–1.1 23.83S 66.64W 199–10 4.0,3.3b
NEIC V 10 13 15 53.6–1.9 23.94S–.08 66.8W–.10 204–11 4.3,4.2b
VAO V 10 13 15 53.9–.50 23.86S 66.76W 208 4.1b,4.2b
GUC V 10 13 15 54.6–.77 23.86S 67.15W 229–14 4.3L,4.2b
ISC Event type se.
SJA Error ellipse: s-maj=2.7km s-min=3.9km az=-1.0.
IDC Error ellipse: s-maj=19.1km s-min=14.6km az=7.0.
NEIC Event type se. Error ellipse: s-maj=15.1km s-min=10.4km az=107.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Error ellipse: s-maj=3.4km s-min=5.2km az=-1.0.
GUC Error ellipse: s-maj=4.2km s-min=16.4km az=-1.0.
ISC V 13 23 39 46.1–.61 23.01S–.04 66.62W–.05 217–8 4.0b 117 1-146
VAO V 13 23 39 34.4–3.2 22.93S 67.98W 223–11 4.1b ¶610690223
SJA V 13 23 39 42.4–.43 22.98S 66.56W 264–5 3.7W,3.5L
IDC V 13 23 39 46.1–.97 23.06S 66.51W 205–16 4.0,3.6b
GUC V 13 23 39 47.2–.59 23.01S 66.96W 255–11 4.0L,3.6b
NEIC V 13 23 39 47.0–2.2 23.04S–.06 66.7W–.10 215–10 4.1b,4.0L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SJA V 16 13 44 47.5–.60 22.34S 66.16W 278–4 3.8L,3.7W
¶616717724
SJA Error ellipse: s-maj=1.8km s-min=2.1km az=-1.0.
ISC V 17 03 56 10.7–2.4 22.98S–.06 66.85W–.06 217–21 39 1-4
SJA V 17 03 56 06.8–.60 22.85S 66.74W 252–6 3.9L,3.8W ¶612738878
GUC V 17 03 56 11.7–.78 22.98S 67.07W 239–11 3.7L,3.8W
ISC Event type ke.
SJA Error ellipse: s-maj=4.6km s-min=2.9km az=-1.0.
GUC Error ellipse: s-maj=3.8km s-min=11.1km az=-1.0.
ISC V 18 15 15 08.4–2.7 22.98S–.07 66.59W–.07 234–20 36 1-4
SJA V 18 15 15 07.2–.69 22.88S 66.50W 242–6 3.5W,3.5L ¶612738919
GUC V 18 15 15 10.0–.54 23.04S 67.11W 287–11 3.8L,3.5L
ISC Event type ke.
SJA Error ellipse: s-maj=5.0km s-min=3.3km az=-1.0.
GUC Error ellipse: s-maj=3.2km s-min=14.6km az=-1.0.
ISC V 20 02 57 38.6–1.5 23.04S–.05 66.61W–.06 252–13 63 1-16
SJA V 20 02 57 34.7–.65 22.82S 66.35W 287–5 4.4L,4.0W ¶610646002
NEIC V 20 02 57 37.6–.95 23.1S–.10 66.4W–.20 249–23 4.5L,4.1b
GUC V 20 02 57 41.1–.62 23.02S 66.91W 256–9 4.5L,4.1b
ISC Event type se.
SJA Error ellipse: s-maj=4.6km s-min=4.2km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=30.9km s-min=14.8km az=83.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=3.3km s-min=9.6km az=-1.0.
ISC V 22 11 39 13.8–.93 23.44S–.04 66.78W–.05 218–8 68 1-146
SJA V 22 11 39 12.1–.66 23.42S 66.72W 238–6 3.7L,3.6W ¶610685158
IDC V 22 11 39 13.4–2.1 23.36S 66.56W 200–18 3.6,2.9s
GUC V 22 11 39 15.1–.53 23.39S 67.00W 238–8 4.0L,2.9s
ISC Event type ke.
SJA Error ellipse: s-maj=2.2km s-min=2.6km az=-1.0.
IDC Error ellipse: s-maj=32.8km s-min=22.9km az=142.0.
GUC Error ellipse: s-maj=3.7km s-min=7.9km az=-1.0.
ISC V 25 14 50 03.7–1.3 23.97S–.06 66.82W–.05 200 38 1-5
SJA V 25 14 50 02.1–.65 23.96S 66.75W 218–11 3.6L,3.5W ¶612739022
GUC V 25 14 50 04.4–.61 23.87S 67.14W 247–8 3.5L,3.5W
ISC Event type ke.
SJA Error ellipse: s-maj=3.7km s-min=2.8km az=-1.0.
GUC Error ellipse: s-maj=3.8km s-min=8.9km az=-1.0.
ISC V 27 21 38 55.5–1.3 22.82S–.06 66.29W–.05 222 43 1-5
SJA V 27 21 38 50.4–.90 22.81S 66.13W 283–14 3.7W,3.6L ¶612739056
GUC V 27 21 38 53.3–.71 22.78S 66.74W 284–12 3.9L,3.6L
ISC Event type ke.
SJA Error ellipse: s-maj=5.7km s-min=5.9km az=-1.0.
GUC Error ellipse: s-maj=5.9km s-min=16.3km az=-1.0.
ISC V 30 06 32 01.0–.65 23.96S–.04 66.96W–.04 194–6 4.0b 106 2-146
SJA V 30 06 31 59.8–.85 23.97S 66.93W 210–7 4.0L,3.7W ¶610685696
NEIC V 30 06 32 00.8–2.4 23.98S–.05 66.9W–.10 191–5 4.1L,4.0b
IDC V 30 06 32 00.8–1.2 23.90S 66.81W 184–12 3.8,3.2b
GUC V 30 06 32 02.2–.62 23.82S 67.24W 234–5 4.0L,3.2b
ISC Event type se.
SJA Error ellipse: s-maj=2.7km s-min=3.0km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=14.3km s-min=7.3km az=80.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC Error ellipse: s-maj=18.5km s-min=16.2km az=101.0.
GUC Error ellipse: s-maj=5.2km s-min=5.4km az=-1.0.
SJA VI 01 12 19 33.1–1.2 22.98S 66.33W 220–18 3.5W,3.4L ¶616964721
SJA Error ellipse: s-maj=8.3km s-min=13.1km az=-1.0.
ISC VI 03 03 12 59.9–2.2 22.97S–.05 66.51W–.06 238–16 50 1-5
SJA VI 03 03 13 00.8–.91 23.01S 66.49W 228–11 3.6W,3.3L **¶612739172**
GUC VI 03 03 13 01.7–.60 22.96S 66.63W 250–11 3.8L,3.3L
ISC Event type ke.
SJA Error ellipse: s-maj=4.7km s-min=7.1km az=-1.0.
GUC Error ellipse: s-maj=3.4km s-min=10.6km az=-1.0.
SJA VI 06 16 52 47.0–.73 23.93S 66.84W 212–7 3.5L,3.3W ¶616964727
SJA Error ellipse: s-maj=2.3km s-min=2.0km az=-1.0.
ISC VI 08 23 01 47.9–1.7 23.15S–.04 66.86W–.06 226–14 63 1-9
SJA VI 08 23 01 47.6–.60 23.11S 66.77W 226–4 3.6W,3.6L **¶612739274**
GUC VI 08 23 01 50.4–.62 23.13S 67.17W 244–10 3.6L,3.6L
ISC Event type ke.
SJA Error ellipse: s-maj=2.1km s-min=2.4km az=-1.0.
GUC Error ellipse: s-maj=3.0km s-min=10.3km az=-1.0.
ISC VI 11 11 29 01.7–.32 22.90S–.04 66.41W–.04 250 4.8b 378 1-169
SJA VI 11 11 28 57.0–.83 22.90S 66.34W 296–10 4.6L,4.4W **¶610669631**
VAO VI 11 11 29 00.3–.23 22.80S 66.37W 235 4.9b,4.4W
NEIC VI 11 11 29 00.9–1.5 22.88S–.07 66.30W–.09 234–7 4.9b,4.8L
IDC VI 11 11 29 00.5–.81 22.88S 66.26W 230–8 4.6,4.0b
GUC VI 11 11 29 02.4–.63 22.86S 66.59W 264–8 4.8L,4.0b
ISC Event type se.
SJA Error ellipse: s-maj=3.4km s-min=7.3km az=-1.0.
VAO Error ellipse: s-maj=2.3km s-min=2.6km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=10.0km az=79.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=13.1km s-min=10.2km az=49.0.
GUC Error ellipse: s-maj=2.4km s-min=6.4km az=-1.0.
SJA VI 12 13 30 32.2–.92 23.04S 66.25W 253–16 3.5W,3.0L ¶616964733
SJA Error ellipse: s-maj=10.5km s-min=5.7km az=-1.0.
ISC VI 14 13 13 59.8–.87 22.82S–.05 66.51W–.05 246–8 82 1-145
IDC VI 14 13 13 60.0–.91 22.88S 66.42W 235–17 3.7,3.0b **¶610791869**
SJA VI 14 13 13 59.7–1.0 22.80S 66.46W 247–9 3.6W,3.4L
ISC Event type ke.
IDC Error ellipse: s-maj=21.7km s-min=14.8km az=94.0.
SJA Error ellipse: s-maj=4.6km s-min=5.7km az=-1.0.
ISC VI 16 05 50 01.4–.57 22.47S–.04 66.17W–.04 267–6 4.0b 154 1-145
SJA VI 16 05 49 58.5–.73 22.47S 66.03W 297–3 4.4L,4.0W **¶610675501**
IDC VI 16 05 50 00.6–.91 22.49S 65.92W 245–13 4.2,3.7b
NEIC VI 16 05 50 01.9–1.7 22.51S–.06 66.2W–.10 276–12 4.3b,3.7b
VAO VI 16 05 50 02.3–.34 22.40S 66.17W 281 4.0b,3.7b
ISC Event type se.
SJA Error ellipse: s-maj=2.3km s-min=2.4km az=-1.0.
IDC Error ellipse: s-maj=21.2km s-min=14.2km az=132.0.
NEIC Event type se. Error ellipse: s-maj=16.4km s-min=8.8km az=104.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Error ellipse: s-maj=2.8km s-min=3.8km az=-1.0.
ISC VI 24 22 02 17.9–.88 23.96S–.04 66.90W–.04 211–9 70 2-146
SJA VI 24 22 02 17.8–1.1 23.97S 66.85W 215–11 3.8L,3.7W **¶610789407**
IDC VI 24 22 02 18.2–1.2 23.90S 66.71W 192–13 3.7,2.9b
GUC VI 24 22 02 20.3–.60 23.90S 67.18W 233–8 4.0L,2.9b
ISC Event type ke.
SJA Error ellipse: s-maj=4.0km s-min=5.1km az=-1.0.
IDC Error ellipse: s-maj=20.1km s-min=16.0km az=47.0.
GUC Error ellipse: s-maj=3.2km s-min=7.4km az=-1.0.
ISC VI 26 11 34 03.8–.60 23.95S–.04 66.78W–.04 215–6 4.0b 102 1-146
SJA VI 26 11 34 02.4–.84 23.90S 66.72W 235–5 4.0L,3.8W **¶610695066**
IDC VI 26 11 34 03.8–1.1 23.89S 66.66W 201–9 4.0,3.3b
GUC VI 26 11 34 04.9–.50 23.88S 67.05W 247–6 4.3L,3.3b
NEIC VI 26 11 34 04.1–1.4 23.97S–.07 66.88W–.06 234–10 4.3L,4.0b
VAO VI 26 11 34 05.0–.45 23.93S 66.90W 232 4.0b,4.0b
ISC Event type se.
SJA Error ellipse: s-maj=3.5km s-min=3.7km az=-1.0.
IDC Error ellipse: s-maj=17.6km s-min=13.5km az=10.0.
GUC Error ellipse: s-maj=2.9km s-min=6.0km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=4.6km az=216.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Error ellipse: s-maj=5.5km s-min=4.2km az=-1.0.
ISC VI 26 21 55 09.1–2.1 23.91S–.05 66.79W–.06 231–17 59 1-5
SJA VI 26 21 55 09.8–.78 23.88S 66.79W 228–8 3.5W,3.5L **¶612739601**
GUC VI 26 21 55 12.3–.53 23.90S 67.09W 242–8 3.8L,3.5L
ISC Event type ke.
SJA Error ellipse: s-maj=3.3km s-min=2.4km az=-1.0.
GUC Error ellipse: s-maj=2.9km s-min=8.1km az=-1.0.
ISC VI 29 02 44 33.9–.82 23.88S–.04 66.83W–.05 214–8 65 1-146
SJA VI 29 02 44 32.8–.92 23.90S 66.77W 228–7 3.7L,3.6W **¶610789689**
IDC VI 29 02 44 34.4–1.2 23.73S 66.62W 195–17 3.6,3.2b
GUC VI 29 02 44 35.4–.60 23.85S 67.10W 243–9 4.0L,3.2b
ISC Event type ke.
SJA Error ellipse: s-maj=3.1km s-min=3.8km az=-1.0.
IDC Error ellipse: s-maj=21.7km s-min=20.5km az=15.0.
GUC Error ellipse: s-maj=3.2km s-min=9.0km az=-1.0.
ISC VI 29 06 04 23.9–.62 23.44S–.04 66.92W–.04 227–7 104 1-76
NEIC VI 29 06 04 23.7–1.1 23.49S–.07 66.8W–.10 226–11 4.0b,3.9L **¶610789698**
SJA VI 29 06 04 24.2–1.0 23.38S 66.86W 222–7 4.0L,3.5W
GUC VI 29 06 04 25.6–.69 23.36S 67.07W 242–10 3.9L,3.5W
VAO VI 29 06 04 25.3–.64 23.26S 67.23W 260 3.8b,3.5W
IDC VI 29 06 04 29.3–9.9 23.06S 66.75W 245–69 3.8,3.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.3km s-min=9.7km az=91.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SJA Error ellipse: s-maj=4.0km s-min=3.2km az=-1.0.
GUC Error ellipse: s-maj=5.5km s-min=10.5km az=-1.0.
VAO Error ellipse: s-maj=9.6km s-min=6.7km az=-1.0.
IDC Error ellipse: s-maj=113.5km s-min=39.1km az=26.0.
ISC VI 30 17 34 42.0–2.2 23.99S–.06 66.86W–.05 220–18 50 1-5
SJA VI 30 17 34 41.3–.66 24.01S 66.81W 234–6 3.5W,3.5L **¶612739651**
GUC VI 30 17 34 45.1–.67 23.91S 67.06W 226–8 3.8L,3.5L
ISC Event type ke.
SJA Error ellipse: s-maj=3.3km s-min=2.7km az=-1.0.
GUC Error ellipse: s-maj=2.7km s-min=7.5km az=-1.0.

(129) Salta Province.

VAO I 07 20 16 50.4–1.3 22.27S 63.79W 512–27 3.7b ¶615407697
VAO Error ellipse: s-maj=9.3km s-min=8.3km az=-1.0.
ISC I 08 01 04 43.5–.37 24.02S–.03 66.94W–.03 195–3 4.9b 711 1-171
IDC I 08 01 04 42.9–.86 24.03S 66.79W 182–6 4.8,4.2b **¶610049689**
NEIC I 08 01 04 42.7–1.8 24.05S–.06 66.86W–.08 187–6 5.1,5.0b
SJA I 08 01 04 43.3–1.0 23.99S 66.97W 175 5.0L,4.8W
VAO I 08 01 04 43.4–.29 23.95S 66.90W 202–3 5.0b,4.8W
GUC I 08 01 04 44.5–.53 23.92S 67.20W 227–8 5.2L,4.8W
GCMT I 08 01 04 46.7–.30 23.99S–.02 66.95W–.02 212–2 5.2W,4.8W
ISC Event type se. Moment Tensor Solution. NP1:φs55.66513°,δ74.59547°,λ-56.91665°. NP2: φs167.84773°,δ36.12079°,λ-153.21689°. Principal axes: T Plg22.5416°,Azm120.9626° ; N Plg31.7523°,Azm225.8471°; P Plg49.3774°,Azm2.0237°
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s52,c58; s101,c129;Duration: 1s0 Moment tensor: Scale 10^{16}Nm; Mrr-0.98±.20 Mθθ-4.59±.28; Mφφ5.57±.29; Mrθ-1.19±.16; Mθφ-1.23±.22; Mφr-6.24±.18; Best double couple: NP1:φs28.00000°,δ86.00000°,λ-53.00000°. NP2:φs123.00000°,δ37.00000°,λ-174.00000°. Principal axes: T 9.3550,Plg31.0000° ,Azm88.0000°; N -3.0240,Plg37.0000°,Azm205.0000°; P -6.3350,Plg38.0000° ,Azm331.0000° M0 7.84500×10^{16}
ISC II 04 03 08 12.3–.62 24.19S–.05 66.85W–.06 181 57 1-147
IDC II 04 03 08 12.5–1.0 24.18S 66.81W 187–13 3.6 **¶610414781**
SJA II 04 03 08 13.0–1.1 24.11S 66.89W 202–10 3.7W,3.7L
VAO II 04 03 08 13.1–.43 24.27S 66.92W 196 3.7b,3.7L
GUC II 04 03 08 14.4–.60 24.11S 67.07W 216–12 4.0L,3.7L
ISC Event type ke.
IDC Error ellipse: s-maj=18.4km s-min=12.8km az=83.0.
SJA Error ellipse: s-maj=4.5km s-min=2.5km az=-1.0. Hypocentre not reviewed by the ISC.
VAO Error ellipse: s-maj=4.2km s-min=4.6km az=-1.0.
GUC Error ellipse: s-maj=3.6km s-min=10.5km az=-1.0.
IDC II 25 19 58 51.8–4.7 24.34S 64.81W 0 3.9b,3.6 ¶610385021
IDC Error ellipse: s-maj=134.3km s-min=27.6km az=34.0.
ISC II 27 16 09 47.6–.94 24.90S–.07 66.19W–.09 35 9 1-76
SJA II 27 16 09 41.3–.49 25.11S 66.34W 30–5 3.5W,3.1L **¶610385137**
IDC II 27 16 09 43.2–1.5 24.89S 66.22W 0 3.6,3.6b
ISC Event type ke.
SJA Error ellipse: s-maj=10.5km s-min=7.7km az=-1.0. Hypocentre not reviewed by the ISC.
IDC Error ellipse: s-maj=21.8km s-min=16.7km az=83.0.
ISC II 28 07 13 35.7–.39 22.82S–.06 63.77W–.06 550 4.3b 171 1-154
IDC II 28 07 13 33.9–.88 22.85S 63.70W 517–8 4.5,3.6b **¶610241800**
VAO II 28 07 13 34.9–.26 22.80S 63.74W 542–3 4.3b,3.6b
NEIC II 28 07 13 35.3–1.2 22.8S–.10 63.8W–.10 531–2 4.4b,3.6b
SJA II 28 07 14 00.6–1.2 22.93S 65.19W 287–26 3.9W,3.5L
ISC Event type se.
IDC Error ellipse: s-maj=14.4km s-min=11.7km az=143.0.
VAO Error ellipse: s-maj=2.5km s-min=3.2km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=18.5km s-min=15.5km az=79.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SJA Error ellipse: s-maj=27.8km s-min=12.8km az=-1.0. Hypocentre not reviewed by the ISC.
ISC III 16 03 47 34.5–.93 24.02S–.05 66.88W–.09 250 64 2-76
NEIC III 16 03 47 36.3–1.2 24.07S–.08 66.8W–.10 242–11 4.4L,4.3b **¶611149266**
SJA III 16 03 47 38.4–1.7 23.99S 66.71W 180 4.0L,3.9W
GUC III 16 03 47 38.4–.67 23.97S 67.10W 245–10 4.4L,3.9W
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.2km s-min=11.3km az=101.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SJA Error ellipse: s-maj=6.0km s-min=5.6km az=-1.0. Hypocentre not reviewed by the ISC.
GUC Error ellipse: s-maj=3.8km s-min=10.4km az=-1.0.
ISC III 16 08 08 05.7–.45 24.13S–.03 66.90W–.04 178–4 5.2b 918 1-171
NEIC III 16 08 08 04.1 24.24S 67.02W 190 5.2b **¶610329841**
NEIC III 16 08 08 04.1 24.14S 66.80W 190 5.2b
NEIC III 16 08 08 05.7–2.1 24.15S–.05 66.86W–.08 177–4 5.2b,5.1
IDC III 16 08 08 06.7–.77 24.07S 66.79W 182–6 5.1,4.6b
BJI III 16 08 08 06.0–.00 24.10S 66.80W 174 5.5b,4.6b
MOS III 16 08 08 06.0–1.3 24.09S 66.93W 189 5.2b,4.6b
VAO III 16 08 08 07.1–.26 24.10S 66.88W 190 5.0b,4.6b
SJA III 16 08 08 07.7–1.9 24.13S 66.96W 175 5.2L,4.9W
GUC III 16 08 08 08.5–.51 23.87S 67.50W 238–6 5.4L,4.9W
GCMT III 16 08 08 10.7–.20 24.24S–.02 67.07W–.02 205–1 5.2W,4.9W
ISC Event type se. Moment Tensor Solution. NP1:φs33.41597°,δ78.00380°,λ-106.37562°. NP2: φs268.14368°,δ20.20194°,λ-37.00458°. Principal axes: T Plg31.1069°,Azm136.8802° ; N Plg16.0083°,Azm36.9111°; P Plg54.1523°,Azm283.5139° Moment Tensor Solution. NP1: φs346.59457°,δ45.22334°,λ-105.81827°. NP2:φs188.50655°,δ46.92335°,λ-74.63864°. Principal axes: T Plg0.8658°,Azm267.7091°; N Plg11.1570°,Azm357.8798°; P Plg78.8086° ,Azm173.3285°
NEIC Event type se. Moment Tensor Solution.Duration: 1s7 Moment tensor: Scale 10^{16}Nm; Mrr-4.82 Mθθ0.66 Mφφ4.17 Mrθ0.37 Mθφ1.82 Mφr-1.92 NP1:φs11.31000°,δ55.37000° ,λ-103.71000°. NP2:φs214.55000°,δ36.93000°,λ-71.06000°. Principal axes: T 5.2108,Plg9.0000°,Azm111.0000°; N 0.0990,Plg11.0000°,Azm19.0000° ; P -5.3098,Plg75.0000°,Azm240.0000° M0 5.26000×10^{16}
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC Hypocentre not reviewed by the ISC.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s54,c67; s114,c160;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr-6.22±.14 Mθθ0.30±.17; Mφφ5.92±.21; Mrθ0.59±.13; Mθφ1.73±.19; Mφr-1.97±.17; Best double couple: NP1:φs6.00000°,δ53.00000°,λ-102.00000°. NP2:φs205.00000°,δ38.00000°,λ-75.00000°. Principal axes: T 6.6470,Plg8.0000° ,Azm105.0000°; N -0.0100,Plg9.0000°,Azm13.0000°; P -6.6400,Plg78.0000°,Azm234.0000° M0 6.64300×10^{16}
ISC IV 08 08 46 37.3–2.1 24.02S–.05 66.90W–.06 221–17 45 1-5
SJA IV 08 08 46 36.3–.36 24.02S 66.85W 232–5 3.5W,3.2L **¶616344681**
GUC IV 08 08 46 39.6–.61 23.99S 67.05W 228–11 4.0L,3.2L
ISC Event type ke.
SJA Error ellipse: s-maj=1.7km s-min=2.4km az=-1.0.
GUC Error ellipse: s-maj=3.7km s-min=10.7km az=-1.0.
ISC IV 11 04 22 28.4–.60 24.12S–.04 66.92W–.05 189–6 4.4b 213 1-147
SJA IV 11 04 22 28.2–.84 24.12S 66.94W 202–7 4.3W,4.3L **¶610526213**
NEIC IV 11 04 22 28.5–1.5 24.12S–.06 66.88W–.05 190–8 4.9L,4.7b
IDC IV 11 04 22 29.1–1.4 24.08S 66.75W 190–13 4.3,3.6b
VAO IV 11 04 22 30.2–.36 24.10S 66.80W 198–4 4.5b,3.6b
GUC IV 11 04 22 30.1–.68 24.07S 67.44W 227–9 4.8L,3.6b
ISC Event type se.
SJA Error ellipse: s-maj=2.5km s-min=2.4km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=5.0km az=153.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=15.8km s-min=14.1km az=83.0.
VAO Error ellipse: s-maj=2.7km s-min=3.1km az=-1.0.
GUC Error ellipse: s-maj=2.6km s-min=9.5km az=-1.0.
ISC IV 28 09 23 40.0–2.5 24.09S–.05 67.00W–.06 213–21 44 2-4
SJA IV 28 09 23 41.8–.87 24.00S 66.97W 196–8 3.8L,3.7W **¶616345459**
GUC IV 28 09 23 44.2–.77 24.08S 67.15W 198–12 3.7L,3.7W
ISC Event type ke.
SJA Error ellipse: s-maj=5.8km s-min=3.1km az=-1.0.
GUC Error ellipse: s-maj=3.8km s-min=9.4km az=-1.0.
SJA V 01 05 34 52.5–.62 24.06S 66.66W 243–4 3.5L,3.4W ¶616717687
SJA Error ellipse: s-maj=2.1km s-min=2.1km az=-1.0.
ISC V 16 18 05 28.1–1.9 24.01S–.04 66.76W–.04 231–16 90 1-8
SJA V 16 18 05 29.5–.68 24.01S 66.73W 220–4 3.6W,3.3L **¶610641704**
NEIC V 16 18 05 30.8–2.0 23.98S–.03 67.0W–.30 243–32 4.1L,3.3L
GUC V 16 18 05 32.2–.61 23.97S 67.20W 228–11 3.9L,3.3L
ISC Event type se.
SJA Error ellipse: s-maj=2.3km s-min=1.6km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=37.8km s-min=4.8km az=90.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=3.1km s-min=13.1km az=-1.0.
ISC V 26 21 14 10.1–1.8 24.15S–.04 66.87W–.04 237–14 81 1-6
SJA V 26 21 14 12.3–.95 24.12S 66.86W 216–7 3.7L,3.6W **¶610654876**
NEIC V 26 21 14 14–1.5 24.11S–.04 67.1W–.20 238–18 4.0L,3.6W
GUC V 26 21 14 14.8–.60 24.14S 67.12W 227–11 4.0L,3.6W
ISC Event type se.
SJA Error ellipse: s-maj=3.2km s-min=2.7km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=27.9km s-min=4.9km az=95.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=3.3km s-min=11.4km az=-1.0.
ISC VI 16 16 21 26.2–.88 24.04S–.04 66.88W–.04 217–7 95 1-146
SJA VI 16 16 21 25.3–.71 24.05S 66.84W 224–4 3.7L,3.6W **¶610792014**
NEIC VI 16 16 21 26.6–1.2 23.98S–.08 66.9W–.20 235–16 4.0L,3.6W
GUC VI 16 16 21 28.0–.57 24.05S 67.17W 237–10 4.0L,3.6W
IDC VI 16 16 21 34.1–10 23.44S 66.11W 224–82 3.5,3.0b

ISC Event type se.
SJA Error ellipse: s-maj=2.2km s-min=1.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=28.5km s-min=10.3km az=100.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=3.3km s-min=10.7km az=-1.0.
IDC Error ellipse: s-maj=134.1km s-min=81.4km az=46.0.
ISC VI 19 07 21 41.6–.62 24.14S–.04 66.99W–.04 197–6 3.9b 128 1-151
SJA VI 19 07 21 40.4–.73 24.16S 66.94W 212–5 4.0L,3.9W **¶610792174**
IDC VI 19 07 21 40.8–1.0 24.08S 66.77W 182–10 3.8,3.5b
NEIC VI 19 07 21 41.5–2.0 24.21S–.07 66.88W–.03 179–7 4.2b,4.1L
GUC VI 19 07 21 42.3–.80 24.08S 67.29W 218–11 4.1L,4.1L
ISC Event type se.
SJA Error ellipse: s-maj=1.9km s-min=2.1km az=-1.0.
IDC Error ellipse: s-maj=16.4km s-min=13.9km az=53.0.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=4.2km az=175.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=4.1km s-min=11.0km az=-1.0.
ISC VI 22 09 23 32.0–.67 24.10S–.04 66.91W–.04 203–7 91 1-132
VAO VI 22 09 22 13.6–.40 24.91S 73.71W 10 4.4b **¶610789264**
SJA VI 22 09 23 30.9–.67 24.09S 66.81W 213–4 3.9L,3.7W
IDC VI 22 09 23 30.8–.98 24.14S 66.70W 181–13 3.9,3.1b
GUC VI 22 09 23 33.7–.53 24.02S 67.20W 232–4 3.8L,3.1b
ISC Event type ke.
VAO Error ellipse: s-maj=6.9km s-min=5.5km az=-1.0.
SJA Error ellipse: s-maj=1.9km s-min=2.1km az=-1.0.
IDC Error ellipse: s-maj=17.7km s-min=12.5km az=78.0.
GUC Error ellipse: s-maj=2.9km s-min=4.7km az=-1.0.
ISC VI 23 12 32 34.3–1.9 24.15S–.04 66.91W–.05 229–15 56 1-5
SJA VI 23 12 32 34.2–.68 24.16S 66.86W 233–6 3.5W,3.3L **¶612739533**
GUC VI 23 12 32 38.2–.37 24.00S 67.20W 238–5 3.5L,3.3L
ISC Event type ke.
SJA Error ellipse: s-maj=2.9km s-min=2.9km az=-1.0.
GUC Error ellipse: s-maj=5.3km s-min=4.6km az=-1.0.
ISC VI 25 00 40 48.3–.65 24.26S–.04 67.00W–.03 184–6 4.0b 146 1-170
SJA VI 25 00 40 47.7–.73 24.25S 66.96W 200–5 4.2L,3.9W **¶610694635**
NEIC VI 25 00 40 48.1–1.4 24.29S–.07 66.9W–.10 178–11 4.6L,4.2b
IDC VI 25 00 40 48.3–1.1 24.21S 66.84W 178–9 3.8,3.4b
GUC VI 25 00 40 49.9–.66 24.25S 67.21W 210–13 4.6L,3.4b
ISC Event type se.
SJA Error ellipse: s-maj=1.7km s-min=1.5km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=14.1km s-min=10.3km az=99.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=17.3km s-min=13.0km az=57.0.
GUC Error ellipse: s-maj=4.0km s-min=11.0km az=-1.0.

(130) Catamarca Province.

ISC I 28 20 34 54.1–.86 27.87S–.06 66.76W–.06 150 18 1-149
IDC I 28 20 34 53.9–1.3 27.91S 66.90W 161–14 3.8,3.5b **¶610235592**
ISC Event type ke.
IDC Error ellipse: s-maj=28.6km s-min=11.8km az=91.0.
ISC III 12 18 59 39.7–.77 27.98S–.06 67.7W–.10 135 3.3b 14 0-150
SJA III 12 18 59 38.7–1.5 27.98S 67.46W 147–8 3.6W,3.6L **¶610546090**
IDC III 12 18 59 39.7–1.2 27.99S 67.68W 135–11 3.5,3.1b
ISC Event type ke.
SJA Error ellipse: s-maj=6.2km s-min=7.0km az=-1.0. Hypocentre not reviewed by the ISC.
IDC Error ellipse: s-maj=28.7km s-min=10.9km az=88.0.
ISC III 20 08 17 27.0–.41 27.05S–.03 66.48W–.05 180–4 4.7b 463 1-173
NEIC III 20 08 17 25.9–2.3 27.09S–.05 66.39W–.07 165–6 4.6b **¶610346374**
SJA III 20 08 17 26.2–.68 27.06S 66.46W 186–5 5.1L,4.8W
VAO III 20 08 17 26.1–.33 27.06S 66.54W 169 5.1b,4.8W
IDC III 20 08 17 28.6–.48 26.98S 66.25W 184–3 4.8,4.3b
GUC III 20 08 17 29.3–.43 27.07S 67.01W 231–20 5.6L,4.3b
GCMT III 20 08 17 30.9–.30 27.20S–.02 66.35W–.02 187–3 5.0W,4.3b
ISC Event type se. Moment Tensor Solution. NP1:ϕs173.63188°,δ71.14387°,λ-25.43836°. NP2: ϕs272.37146°,δ66.01561°,λ-159.28401°. Principal axes: T Plg3.3766°,Azm223.8653° ; N Plg58.7138°,Azm319.4370°; P Plg31.0618°,Azm131.8287°
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC Hypocentre not reviewed by the ISC.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s24,c29; s96,c129;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr-1.32±.14 Mθθ1.58±.18; Mϕϕ-0.25±.20; Mrθ0.59±.11; Mθϕ-3.19±.14; Mϕr2.72±.13; Best double couple: NP1:ϕs167.00000°,δ74.00000°,λ-39.00000°. NP2:ϕs269.00000°,δ53.00000°,λ-160.00000°. Principal axes: T 4.2720,Plg14.0000° ,Azm222.0000°; N 0.3990,Plg48.0000°,Azm328.0000°; P -4.6640,Plg38.0000° ,Azm121.0000° M0 4.46800×10^{16}
ISC III 25 21 50 19.9–.61 27.85S–.05 67.00W–.07 164 4.1b 61 1-149
IDC III 25 21 50 18.9–1.1 27.83S 66.92W 142–13 3.8,3.3b **¶610543672**
SJA III 25 21 50 19.6–.70 27.92S 67.06W 173–3 3.6L,3.5W
NEIC III 25 21 50 21.0–2.3 27.91S–.07 67.10W–.07 174–13 4.0b,3.5W
ISC Event type se.
ISC Hypocentre not reviewed by the ISC.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 26 18 42 07.3–.55 27.55S–.04 67.43W–.04 135–5 4.6b 195 2-170
SJA III 26 18 42 06.2–.64 27.62S 67.46W 164–6 4.2W,4.2L **¶610435135**
NEIC III 26 18 42 07.5–2.5 27.59S–.06 67.35W–.09 132–8 4.7b,4.4L
IDC III 26 18 42 08.6–.66 27.53S 67.23W 137–5 4.2,3.8b
VAO III 26 18 42 09.1–.29 27.51S 67.34W 132 4.5b,3.8b
GUC III 26 18 42 09.7–.58 27.56S 67.46W 120–12 4.5L,3.8b
ISC Event type se.
SJA Error ellipse: s-maj=1.8km s-min=3.5km az=-1.0. Hypocentre not reviewed by the ISC.
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=9.0km az=93.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=16.1km s-min=10.4km az=82.0.
VAO Error ellipse: s-maj=3.0km s-min=2.9km az=-1.0.
GUC Error ellipse: s-maj=2.7km s-min=2.3km az=-1.0.
ISC IV 20 21 24 29.2–.31 27.52S–.03 67.34W–.03 141–2 5.1b 1361 1-173
BJI IV 20 21 24 27.0–.00 27.60S 67.20W 115 5.6b **¶610546557**
NEIC IV 20 21 24 27.3 27.52S 67.22W 120 5.6b
MOS IV 20 21 24 27.4–1.3 27.48S 67.33W 131 5.0b
NEIC IV 20 21 24 27.3–1.4 27.52S–.05 67.21W–.07 119–4 5.1,5.1b
SJA IV 20 21 24 28.5–.57 27.58S 67.38W 153–2 5.0W,5.0L
IDC IV 20 21 24 29.0–.53 27.56S 67.22W 137–4 4.9,4.5b
VAO IV 20 21 24 30.0–.60 27.46S 67.17W 144–4 5.2b,4.5b
GUC IV 20 21 24 30.5–.63 27.56S 67.62W 144–5 5.3L,4.5b
GCMT IV 20 21 24 34.3–.20 27.54S–.01 67.43W–.01 160–1 5.3W,4.5b
ISC Event type se. Moment Tensor Solution. NP1:ϕs112.11329°,δ45.01597°,λ-162.88640°. NP2: ϕs9.83395°,δ77.98684°,λ-46.28098°. Principal axes: T Plg20.6517°,Azm68.3502° ; N Plg42.5308°,Azm178.5774°; P Plg40.3184°,Azm319.6965° Moment Tensor Solution. NP1:ϕs340.55353°,δ69.70419°,λ-88.60015°. NP2:ϕs156.52370°,δ20.34199°,λ-93.77927°. Principal axes: T Plg24.6917°,Azm69.4641°; N Plg1.3129°,Azm160.0679°; P Plg65.2687° ,Azm252.9200°
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; Mrr-1.66 Mθθ-0.69 Mϕϕ2.35 Mrθ-0.64 Mθϕ-4.46 Mϕr-4.43 NP1:ϕs3.46000°,δ80.52000°,λ-46.09000°. NP2:ϕs103.17000°,δ44.72000° ,λ-166.47000°. Principal axes: T 6.9036,Plg23.0000°,Azm61.0000°; N -0.5225,Plg43.0000° ,Azm174.0000°; P -6.3811,Plg38.0000°,Azm312.0000° M0 6.66000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s93,c121; s128,c188;Duration: 1.1 Moment tensor: Scale 10^{17}Nm; Mrr-0.72±.02 Mθθ0.13±.02; Mϕϕ0.59±.03; Mrθ0.31±.01; Mθϕ-0.52±.02; Mϕr-0.54±.02; Best double couple: NP1:ϕs330.00000°,δ63.00000°,λ-87.00000°. NP2:ϕs143.00000°,δ27.00000°,λ-96.00000°. Principal axes: T 1.1380,Plg18.0000° ,Azm57.0000°; N -0.2100,Plg3.0000°,Azm148.0000°; P -0.9280,Plg71.0000°,Azm246.0000° M0 1.03300×10^{17}

ISC V 10 19 03 32.6–.52 27.91S–.03 66.63W–.04 172–5 4.6b 229 1-149
IDC V 10 19 03 31.5–1.1 27.92S 66.48W 154–10 4.4,3.9b **¶610623469**
SJA V 10 19 03 31.0–.69 27.95S 66.51W 201–4 4.7L,4.5W
NEIC V 10 19 03 32.1–2.1 27.92S–.06 66.52W–.09 157–10 4.8b,4.5W
VAO V 10 19 03 32.7–.28 28.05S 66.69W 206 4.4b,4.5W
ISC Event type se.
IDC Error ellipse: s-maj=15.6km s-min=8.9km az=94.0.
SJA Error ellipse: s-maj=2.3km s-min=2.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=12.3km s-min=9.1km az=98.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Error ellipse: s-maj=2.9km s-min=2.9km az=-1.0.
ISC VI 14 05 21 47.2–.43 27.95S–.04 66.84W–.05 164 4.3b 146 3-149
SJA VI 14 05 21 44.6–.65 28.02S 66.89W 230–12 4.4L,4.1W **¶610673018**
IDC VI 14 05 21 45.7–1.1 27.97S 66.74W 143–11 4.3,4.0b
NEIC VI 14 05 21 46.8–1.9 28.01S–.06 66.8W–.10 147–10 4.6b,4.0b
VAO VI 14 05 21 52.0–.40 28.03S 66.78W 233 4.3b,4.0b
ISC Event type se.
SJA Error ellipse: s-maj=2.5km s-min=4.6km az=-1.0.
IDC Error ellipse: s-maj=20.8km s-min=9.7km az=98.0.
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=8.8km az=100.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Error ellipse: s-maj=4.0km s-min=4.4km az=-1.0.
ISC VI 23 20 20 51.6–.41 27.45S–.04 67.32W–.04 137 4.4b 154 2-170
SJA VI 23 20 20 51.6–.89 27.48S 67.35W 148–9 4.0W,4.0L **¶610694330**
NEIC VI 23 20 20 51.5–2.0 27.48S–.06 67.20W–.08 133–7 4.5b,4.0L
IDC VI 23 20 20 52.5–1.5 27.40S 67.14W 134–14 4.2,3.9b
VAO VI 23 20 20 53.0–.41 27.32S 67.23W 138 4.3b,3.9b
ISC Event type se.
SJA Error ellipse: s-maj=2.5km s-min=3.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=8.2km az=85.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=21.5km s-min=12.7km az=89.0.
VAO Error ellipse: s-maj=3.4km s-min=4.0km az=-1.0.
ISC VI 28 00 44 41.3–.38 27.99S–.03 66.69W–.04 167 4.3b 219 1-170
VAO VI 28 00 44 39.6–.53 28.07S 66.75W 152 4.6b **¶610696892**
NEIC VI 28 00 44 41.0–2.3 28.02S–.06 66.6W–.10 153–9 4.6b
IDC VI 28 00 44 41.3–.56 28.00S 66.62W 157–5 4.3,3.6b
SJA VI 28 00 44 42.0–.61 28.02S 66.66W 170–3 4.6L,4.3W
ISC Event type se.
VAO Error ellipse: s-maj=4.4km s-min=4.5km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=8.1km az=103.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=15.8km s-min=9.1km az=102.0.
SJA Error ellipse: s-maj=1.3km s-min=1.9km az=-1.0.

(131) Tucuman Province.

IDC I 01 20 18 24.0–4.6 26.72S 65.18W 0 3.9b,3.6
¶610236413
IDC Error ellipse: s-maj=250.3km s-min=32.9km az=5.0.

(132) Santiago del Estero Province.

ISC V 05 05 42 52.4–.72 28.44S–.05 65.16W–.07 35 4.4b 52 2-62
SJA V 05 05 42 49.4–.75 28.36S 65.23W 116–26 3.8W,3.6L **¶610598549**
NEIC V 05 05 42 51.2–2.1 28.55S–.07 65.22W–.08 24–7 4.2b,3.6L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 26 15 18 05.7–.59 27.22S–.08 63.44W–.08 561 3.5b 51 2-147
IDC V 26 15 18 05.8–1.1 27.17S 63.46W 553–13 4.1,3.2b **¶610685435**
VAO V 26 15 18 05.8–.43 27.28S 63.41W 574–7 3.9b,3.2b
ISC Event type ke.
IDC Error ellipse: s-maj=20.8km s-min=19.5km az=13.0.
VAO Error ellipse: s-maj=4.3km s-min=5.1km az=-1.0.

(133) Northeastern Argentina.

VAO I 29 23 24 02.7–.72 29.66S 59.69W 0 3.9b
¶615407760
VAO Error ellipse: s-maj=3.5km s-min=4.2km az=-1.0.

(134) Off coast of central Chile.

ISC I 03 20 16 35.3–1.0 30.39S–.03 72.04W–.04 2–6 4.1b,3.4s 156 1-154
SJA I 03 20 16 35.7–.98 30.37S 72.13W 15 4.3L,4.1W **¶609997957**
IDC I 03 20 16 36.7–1.3 30.47S 71.81W 0 4.2L,4.0b
GUC I 03 20 16 37.9–.71 30.36S 71.98W 40–4 4.4L,4.0b
NEIC I 03 20 16 37.8–2.7 30.31S–.01 72.19W–.08 25–8 4.4L,4.3b
VAO I 03 20 17 06.5–2.6 29.70S 71.50W 224–14 4.1b,4.3b
ISC Event type se.
SJA Error ellipse: s-maj=2.6km s-min=4.5km az=-1.0.
IDC Error ellipse: s-maj=38.6km s-min=34.6km az=20.0.
GUC Error ellipse: s-maj=1.8km s-min=3.6km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=1.2km az=98.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Error ellipse: s-maj=17.1km s-min=17.6km az=-1.0.
ISC I 04 10 41 55.1–1.7 32.85S–.03 72.13W–.06 11–10 48 0-156
IDC I 04 10 41 56.6–1.4 32.87S 70.78W 0 3.8L,3.3 **¶610236693**
GUC I 04 10 41 57.7–.69 32.82S 72.00W 30–6 3.8L,3.3
ISC Event type ke.
IDC Error ellipse: s-maj=78.4km s-min=38.4km az=83.0.
GUC Error ellipse: s-maj=1.8km s-min=2.9km az=-1.0.
ISC I 08 00 33 47.3–1.5 30.18S–.03 72.14W–.04 4–9 5.2b,4.3s 465 1-173
SJA I 08 00 33 46.6–1.4 30.18S 72.13W 10 4.9L,4.5W **¶610049683**
IDC I 08 00 33 47.3–.56 30.17S 71.93W 0 4.6b,4.5
NEIC I 08 00 33 48.4–2.8 30.15S–.04 72.19W–.04 10–1 5.2b,5.0
VAO I 08 00 33 48.6–.32 30.12S 72.08W 10 4.9b,5.0
GUC I 08 00 33 49.8–.56 30.20S 72.10W 37–2 4.9L,5.0
GCMT I 08 00 33 50.3–.30 30.23S–.02 72.42W–.02 21–0 5.0W,5.0
ISC Event type se. Moment Tensor Solution. NP1:ϕs45.75340°,δ33.78425°,λ116.30336°. NP2: ϕs195.01212°,δ60.09971°,λ73.48654°. Principal axes: T Plg70.0835°,Azm68.8541° ; N Plg14.2650°,Azm203.4189°; P Plg13.6043°,Azm296.9464° Moment Tensor Solution. NP1:ϕs24.62029°,δ46.18354°,λ141.67706°. NP2:ϕs143.30934°,δ63.42075°,λ50.72961°. Principal axes: T Plg53.7021°,Azm4.1898°; N Plg34.4777°,Azm163.4037°; P Plg9.9728° ,Azm260.3390°
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; Mrr1.89 Mθθ0.15 Mϕϕ-2.04 Mrθ0.23 Mθϕ-0.01 Mϕr-0.10 NP1:ϕs172.98000°,δ46.93000°,λ79.93000°. NP2:ϕs7.56000°,δ44.01000° ,λ100.60000°. Principal axes: T 1.9207,Plg83.0000°,Azm11.0000°; N 0.1233,Plg7.0000° ,Azm180.0000°; P -2.0439,Plg1.0000°,Azm270.0000° M0 1.99000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s35,c44; s89,c111;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr3.00±.15 Mθθ-0.35±.09; Mϕϕ-2.64±.11; Mrθ-0.17±.15; Mθϕ0.55±.07; Mϕr-2.64±.20; Best double couple: NP1:ϕs178.00000°,δ66.00000°,λ98.00000°. NP2:ϕs339.00000°,δ25.00000°,λ73.00000°. Principal axes: T 4.0720,Plg68.0000° ,Azm102.0000°; N -0.3250,Plg7.0000°,Azm355.0000°; P -3.7420,Plg21.0000° ,Azm262.0000° M0 3.90700×10^{16}
GUC I 12 07 34 26.1–.55 29.82S 72.09W 30–8 3.6L
¶612084096
GUC Error ellipse: s-maj=2.3km s-min=3.9km az=-1.0.
ISC I 26 12 37 01.5–2.9 30.60S–.03 72.13W–.06 8–18 4.4b,3.9s 140 1-154
NEIC I 26 12 37 02.3–2.5 30.60S–.05 72.03W–.10 10–1 4.6b,4.6L **¶610235381**
GUC I 26 12 37 02.3–.63 30.63S 72.04W 35–7 4.6L,4.6L
NEIC I 26 12 37 02.2 30.63S 72.07W 10 4.6L,4.6L
IDC I 26 12 37 09.2–3.1 30.57S 71.78W 59–26 4.2,4.0L
VAO I 26 12 37 09.4–1.4 30.52S 72.08W 80–7 4.2b,4.0L
ISC Event type se.

NEIC Event type se. Error ellipse: s-maj=14.8km s-min=7.4km az=103.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; Mrr2.30 Mθθ0.23 Mϕϕ-2.52 Mrθ0.28 Mθϕ-0.07 Mϕr-1.34 NP1:ϕs174.49000°,δ59.84000°,λ82.58000°. NP2:ϕs9.02000°,δ30.97000°,λ102.54000°. Principal axes: T 2.6758,Plg74.0000°,Azm65.0000°; N 0.1964,Plg6.0000°,Azm178.0000°; P -2.8723,Plg15.0000°,Azm270.0000° M0 2.78000×10^{15}
GUC Error ellipse: s-maj=2.1km s-min=3.6km az=-1.0.
NEIC Event type se.
IDC Error ellipse: s-maj=27.3km s-min=16.2km az=80.0.
VAO Error ellipse: s-maj=7.2km s-min=9.4km az=-1.0.
ISC II 05 21 05 17.4–2.4 30.12S–.05 72.47W–.09 12–12 21 1-151
IDC II 05 21 05 15.0–2.2 29.98S 72.85W 0 3.8b,3.7 **¶610414909**
GUC II 05 21 05 19.4–.48 30.21S 72.38W 19–51 3.3L,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=56.8km s-min=32.4km az=88.0.
GUC Error ellipse: s-maj=9.0km s-min=23.5km az=-1.0.
ISC II 07 03 17 26.4–1.7 29.61S–.04 72.10W–.05 8–10 4.7b,4.0s 178 1-174
SJA II 07 03 17 21.6–.64 29.57S 72.32W 7 4.6L,4.2W **¶610198717**
IDC II 07 03 17 26.2–.81 29.59S 71.94W 0 4.3b,4.2
NEIC II 07 03 17 27.2–1.9 29.64S–.04 72.09W–.04 11–3 4.7b,4.4
GUC II 07 03 17 28.7–.63 29.66S 71.96W 35–7 4.4L,4.4
NEIC II 07 03 17 28.5 29.64S 72.13W 24 4.4L,4.4
VAO II 07 03 17 28.8–.46 29.65S 71.98W 20 4.5b,4.4
ISC Event type se.
SJA Error ellipse: s-maj=2.0km s-min=3.4km az=-1.0. Hypocentre not reviewed by the ISC.
IDC Error ellipse: s-maj=24.3km s-min=16.4km az=41.0.
NEIC Event type se. Error ellipse: s-maj=6.0km s-min=4.7km az=216.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; Mrr4.26 Mθθ0.34 Mϕϕ-4.60 Mrθ0.26 Mθϕ-0.23 Mϕr-0.56 NP1:ϕs178.61000°,δ48.66000°,λ84.53000°. NP2:ϕs6.86000°,δ41.64000°,λ96.18000°. Principal axes: T 4.3165,Plg85.0000°,Azm43.0000°; N 0.3278,Plg4.0000°,Azm182.0000°; P -4.6442,Plg4.0000°,Azm272.0000° M0 4.49000×10^{15}
GUC Error ellipse: s-maj=1.9km s-min=3.6km az=-1.0.
NEIC Event type se.
VAO Error ellipse: s-maj=3.5km s-min=4.8km az=-1.0.
ISC II 08 14 50 39.9–.78 30.53S–.05 72.00W–.06 10 4.1b 39 1-154
SJA II 08 14 50 33.0–1.1 30.49S 72.64W 10 4.3L,4.0W **¶610415127**
IDC II 08 14 50 38.2–.98 30.55S 71.97W 0 3.9b,3.8
GUC II 08 14 50 41.2–.47 30.52S 71.95W 28–4 3.9L,3.8
ISC Event type ke.
SJA Error ellipse: s-maj=3.6km s-min=8.3km az=-1.0. Hypocentre not reviewed by the ISC.
IDC Error ellipse: s-maj=32.2km s-min=21.8km az=97.0.
GUC Error ellipse: s-maj=2.8km s-min=4.5km az=-1.0.
ISC II 16 01 26 42.6–2.9 31.68S–.04 72.05W–.09 8–17 25 1-152
SJA II 16 01 26 38.4–.62 31.63S 72.44W 11 3.8W,3.8L **¶610415601**
IDC II 16 01 26 38.3–1.9 32.51S 72.53W 0 3.7b,3.6
GUC II 16 01 26 43.7–.58 31.67S 72.02W 38–4 3.7L,3.6
ISC Event type ke.
SJA Error ellipse: s-maj=1.9km s-min=4.3km az=-1.0. Hypocentre not reviewed by the ISC.
IDC Error ellipse: s-maj=59.6km s-min=47.9km az=96.0.
GUC Error ellipse: s-maj=1.4km s-min=3.8km az=-1.0.
ISC II 16 02 52 31.6–2.0 31.67S–.04 72.13W–.04 12–13 3.6b 38 1-152
SJA II 16 02 52 29.5–.76 31.69S 72.19W 10–3 3.9L,3.7W **¶610415605**
IDC II 16 02 52 29.9–1.2 31.63S 72.52W 0 3.6b,3.5
GUC II 16 02 52 34.2–.73 31.71S 72.03W 34–3 3.7L,3.5
ISC Event type ke.
SJA Error ellipse: s-maj=1.7km s-min=4.3km az=-1.0. Hypocentre not reviewed by the ISC.
IDC Error ellipse: s-maj=30.1km s-min=26.0km az=25.0.
GUC Error ellipse: s-maj=1.4km s-min=4.5km az=-1.0.
ISC II 16 07 02 04.7–.86 30.15S–.03 72.09W–.04 7–4 5.1b,4.8s 647 1-176
SJA II 16 07 02 02.4–1.1 30.15S 72.30W 22–7 5.0W,5.0L **¶611831828**
GUC II 16 07 02 02.3–.66 30.14S 72.25W 22–5 4.9L,5.0L
MOS II 16 07 02 04.3–1.2 30.11S 71.89W 12 5.3b,5.0L
IDC II 16 07 02 04.1–.54 30.09S 71.94W 0 4.7b,4.6s
VAO II 16 07 02 05.3–.31 30.15S 72.00W 10 4.9b,4.6s
NEIC II 16 07 02 05.5–2.1 30.17S–.04 72.11W–.04 10–3 5.4,5.2
BJI II 16 07 02 06.0–.00 30.20S 72.10W 10 5.4b,5.3s
GCMT II 16 07 02 08.5–.10 30.26S–.01 72.35W–.01 14–0 5.3W,5.3s
NEIC II 16 07 02 12.7 30.16S 72.34W 14 5.3W,5.3s
ISC Event type se. Moment Tensor Solution. NP1:ϕs350.10828°,δ45.85334°,λ113.17664°. NP2: ϕs138.53037°,δ48.72687°,λ67.92899°. Principal axes: T Plg73.5244°,Azm339.0002°; N Plg16.4040°,Azm153.5046°; P Plg1.4930°,Azm243.9442° Moment Tensor Solution. NP1: ϕs190.80783°,δ55.96843°,λ81.93981°. NP2:ϕs25.00774°,δ34.86086°,λ101.72955°. Principal axes: T Plg77.4070°,Azm73.7593°; N Plg6.6728°,Azm195.3392°; P Plg10.6308°,Azm286.5975°
SJA Error ellipse: s-maj=3.9km s-min=7.0km az=-1.0. Hypocentre not reviewed by the ISC.
GUC Error ellipse: s-maj=1.7km s-min=3.8km az=-1.0.
MOS Error ellipse: s-maj=13.6km s-min=8.3km az=94.7.
IDC Error ellipse: s-maj=18.8km s-min=14.1km az=71.0.
VAO Error ellipse: s-maj=3.3km s-min=3.3km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=5.9km s-min=4.6km az=135.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; Mrr5.10 Mθθ1.17 Mϕϕ-6.27 Mrθ1.02 Mθϕ-0.39 Mϕr-3.94 NP1:ϕs17.37000°,δ29.33000°,λ113.07000°. NP2:ϕs171.34000°,δ63.21000°,λ77.59000°. Principal axes: T 6.5564,Plg69.0000°,Azm56.0000°; N 0.9509,Plg11.0000°,Azm177.0000°; P -7.5073,Plg17.0000°,Azm270.0000° M0 7.08000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s91,c132; s131,c228;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; Mrr0.90±.02 Mθθ0.00±.01; Mϕϕ-0.90±.02; Mrθ0.03±.03; Mθϕ0.02±.01; Mϕr-0.67±.04; Best double couple: NP1:ϕs178.00000°,δ63.00000°,λ90.00000°. NP2:ϕs359.00000°,δ27.00000°,λ91.00000°. Principal axes: T 1.1250,Plg72.0000°,Azm87.0000°; N 0.0020,Plg0.0000°,Azm178.0000°; P -1.1280,Plg18.0000°,Azm268.0000° M0 1.12600×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 2s5 Moment tensor: Scale 10^{17}Nm; Mrr0.71 Mθθ0.00 Mϕϕ-0.71 Mrθ0.01 Mθϕ-0.03 Mϕr-1.20 NP1:ϕs179.75000°,δ74.69000°,λ88.77000°. NP2:ϕs4.41000°,δ15.36000°,λ94.50000°. Principal axes: T 1.3955,Plg60.0000°,Azm88.0000°; N 0.0040,Plg1.0000°,Azm180.0000°; P -1.3995,Plg30.0000°,Azm271.0000° M0 1.40000×10^{17}
ISC II 16 18 39 45.8–.78 35.81S–.03 73.52W–.05 3–4 4.7b,3.9s 172 1-170
GUC II 16 18 39 46.4–.57 35.79S 73.73W 20–7 4.3L,3.9s **¶610223752**
NEIC II 16 18 39 46.3–2.2 35.85S–.04 73.69W–.07 22–5 4.6,4.6
IDC II 16 18 39 46.4–.61 35.84S 73.47W 0 4.4b,4.3
VAO II 16 18 39 50.2–.58 35.82S 73.36W 23 4.7b,4.3
ISC Event type se.
GUC Error ellipse: s-maj=2.3km s-min=6.2km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=8.0km s-min=5.5km az=96.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; Mrr0.59 Mθθ-0.57 Mϕϕ-0.02 Mrθ-0.36 Mθϕ-0.46 Mϕr-0.66 NP1:ϕs87.77000°,δ29.85000°,λ137.56000°. NP2:ϕs216.19000°,δ70.37000°,λ67.05000°. Principal axes: T 1.0184,Plg58.0000°,Azm95.0000°; N 0.0707,Plg22.0000°,Azm224.0000°; P -1.0890,Plg22.0000°,Azm324.0000° M0 1.06000×10^{16}
IDC Error ellipse: s-maj=23.1km s-min=14.5km az=84.0.
VAO Error ellipse: s-maj=5.2km s-min=6.4km az=-1.0.
GUC II 16 19 17 41.5–.66 35.83S 73.60W 16–8 3.6L
¶612085485
GUC Error ellipse: s-maj=2.3km s-min=13.7km az=-1.0.
ISC II 16 19 39 18.6–.45 35.86S–.03 73.58W–.06 10 4.5b,3.9s 160 1-170
NEIC II 16 19 39 17.6–1.3 35.84S–.01 73.8W–.10 12–5 4.5,4.5b **¶610231516**
IDC II 16 19 39 18.8–.68 35.88S 73.36W 0 4.3,4.3b
GUC II 16 19 39 19.0–.55 35.79S 73.67W 21–6 4.2L,4.3b
VAO II 16 19 39 23.1–.60 35.85S 73.17W 19 4.5b,4.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.2km s-min=0.8km az=95.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; Mrr7.66 Mθθ-2.03 Mϕϕ-5.63 Mrθ-2.28 Mθϕ-3.41 Mϕr-1.10 NP1:ϕs220.73000°,δ53.50000°,λ101.60000°. NP2:ϕs21.68000°,δ38.05000°,λ74.79000°. Principal axes: T 8.1827,Plg78.0000°,Azm173.0000°; N -0.2031,Plg9.0000°,Azm34.0000°; P -7.9796,Plg8.0000°,Azm302.0000° M0 8.08000×10^{15}
IDC Error ellipse: s-maj=21.8km s-min=15.0km az=94.0.
GUC Error ellipse: s-maj=2.2km s-min=4.9km az=-1.0.
VAO Error ellipse: s-maj=5.0km s-min=6.5km az=-1.0.
GUC II 19 05 10 00.7–.67 37.52S 74.08W 41–3 3.6L
¶612085668
GUC Error ellipse: s-maj=2.0km s-min=6.6km az=-1.0.
ISC II 19 07 10 39.3–1.7 37.52S–.03 74.08W–.08 14–11 3.9b 91 1-160
NEIC II 19 07 10 39.5–1.1 37.55S–.05 74.2W–.20 18–7 4.4L,3.9 **¶610415803**
IDC II 19 07 10 40.0–1.3 37.49S 73.58W 0 4.0,4.0L
GUC II 19 07 10 41.3–.55 37.53S 74.05W 35–2 4.4L,4.0L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.5km s-min=6.8km az=89.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; Mrr1.04 Mθθ-0.08 Mϕϕ-0.96 Mrθ0.02 Mθϕ-0.24 Mϕr0.09 NP1:ϕs194.54000°,δ42.43000°,λ90.20000°. NP2:ϕs14.27000°,δ47.57000°,λ89.81000°. Principal axes: T 1.0451,Plg87.0000°,Azm281.0000°; N -0.0196,Plg0.0000°,Azm14.0000°; P -1.0255,Plg3.0000°,Azm104.0000° M0 1.04000×10^{15}
IDC Error ellipse: s-maj=36.1km s-min=21.3km az=101.0.
GUC Error ellipse: s-maj=1.6km s-min=6.0km az=-1.0.
ISC II 19 17 32 28.5–.63 35.95S–.03 73.74W–.04 10 4.1b,3.6s 50 1-86
IDC II 19 17 32 28.4–.83 35.95S 73.68W 0 4.0,4.0b **¶610415831**
GUC II 19 17 32 30.2–.72 35.94S 73.56W 15–10 3.8L,4.0b
ISC Event type ke.
IDC Error ellipse: s-maj=23.2km s-min=18.7km az=64.0.
GUC Error ellipse: s-maj=2.4km s-min=12.2km az=-1.0.
ISC II 20 10 18 14.9–1.9 30.10S–.04 72.28W–.06 8–11 3.9b 75 1-154
SJA II 20 10 18 08.9–.82 30.07S 72.76W 10 4.1W,4.1L **¶610384681**
IDC II 20 10 18 15.4–.85 30.04S 72.25W 0 3.8,3.8b
GUC II 20 10 18 17.2–.77 30.15S 72.14W 47–6 3.9L,3.8b
NEIC II 20 10 18 18.1–2.0 30.07S–.06 72.3W–.10 52–25 4.0b,3.9L
ISC Event type se.
ISC Hypocentre not reviewed by the ISC.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 26 20 19 42.5–1.4 33.80S–.03 72.08W–.06 16–8 40 0-157
IDC II 26 20 19 39.8–3.4 33.70S 72.17W 0 3.8b,3.8L **¶610385083**
SJA II 26 20 19 41.2–.77 33.87S 72.15W 27–3 3.6W,3.6L
GUC II 26 20 19 44.4–.78 33.85S 72.04W 37–4 3.4L,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=147.1km s-min=43.3km az=93.0.
SJA Error ellipse: s-maj=2.2km s-min=4.5km az=-1.0. Hypocentre not reviewed by the ISC.
GUC Error ellipse: s-maj=1.3km s-min=2.6km az=-1.0.
ISC II 27 11 39 21.4–.51 37.00S–.03 74.22W–.05 10 4.3b,4.0s 131 1-169
GUC II 27 11 39 18.6–.58 36.98S 74.46W 18–7 4.5L,4.0s **¶612086213**
IDC II 27 11 39 20.3–.86 36.97S 74.06W 0 4.1,4.1b
VAO II 27 11 39 20.5–.54 37.08S 74.22W 0 4.6b,4.1b
NEIC II 27 11 39 21.2–2.5 37.06S–.05 74.17W–.07 10–1 4.6b,4.5L
SJA II 27 11 40 19.6–4.0 37.03S 74.27W 10 4.7W,4.5L
ISC Event type se.
GUC Error ellipse: s-maj=3.5km s-min=5.7km az=-1.0.
IDC Error ellipse: s-maj=23.6km s-min=14.4km az=78.0.
VAO Error ellipse: s-maj=4.7km s-min=6.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=7.4km az=110.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SJA Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0. Hypocentre not reviewed by the ISC.
ISC II 28 13 46 58.7–2.0 28.64S–.03 72.38W–.07 15–11 45 1-153
SJA II 28 13 47 01.9–1.2 28.71S 72.18W 23–9 3.5W,3.5L **¶610385208**
GUC II 28 13 47 01.6–.70 28.67S 72.24W 32–6 3.7L,3.5L
IDC II 28 13 47 03.2–3.8 28.72S 71.66W 38–30 3.9L,3.7
ISC Event type ke.
SJA Error ellipse: s-maj=5.7km s-min=15.5km az=-1.0. Hypocentre not reviewed by the ISC.
GUC Error ellipse: s-maj=3.2km s-min=5.0km az=-1.0.
IDC Error ellipse: s-maj=50.4km s-min=25.7km az=99.0.
ISC III 04 21 41 34.2–.79 37.35S–.04 74.30W–.06 35 3.8b 70 1-87
IDC III 04 21 41 29.7–5.7 37.58S 74.62W 0 3.6b,3.5 **¶610245799**
GUC III 04 21 41 31.9–.32 37.31S 74.42W 24–7 3.6L,3.5
NEIC III 04 21 41 32.7–1.4 37.37S–.05 74.2W–.10 23–4 4.1b,3.5L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 10 06 22 20.5–.79 30.58S–.02 72.07W–.03 13–4 5.1b,4.9s 598 0-176
IDC III 10 06 22 18.6–.54 30.63S 71.88W 0 4.7b,4.6s **¶610316873**
SJA III 10 06 22 18.1–.74 30.54S 72.14W 17–3 5.4L,5.2W
NEIC III 10 06 22 20.6 30.57S 72.10W 16 5.4L,5.2W
NEIC III 10 06 22 20.8–2.2 30.58S–.04 72.08W–.06 14–3 5.2,5.1
MOS III 10 06 22 20.1–1.5 30.57S 71.91W 15 5.3b,4.7s
GUC III 10 06 22 21.7–.67 30.61S 72.02W 24–3 4.5L,4.7s
VAO III 10 06 22 21.0–.30 30.66S 72.06W 14 5.1b,4.7s
NEIC III 10 06 22 21.1 30.59S 72.07W 14 5.1b,4.7s
NEIC III 10 06 22 21.1 30.59S 72.07W 14 5.1b,4.7s
GCMT III 10 06 22 24.8–.20 30.63S–.01 72.14W–.01 20–0 5.2W,4.7s
ISC Event type se. Moment Tensor Solution. NP1:ϕs3.48322°,δ23.08157°,λ77.07570°. NP2: ϕs197.48956°,δ67.53559°,λ95.44473°. Principal axes: T Plg67.0277°,Azm117.3885°; N Plg5.0305°,Azm15.4037°; P Plg22.3528°,Azm283.3294°
ISC Hypocentre not reviewed by the ISC.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; Mrr3.65 Mθθ1.10 Mϕϕ-4.75 Mrθ0.28 Mθϕ-0.64 Mϕr-2.38 NP1:ϕs17.25000°,δ31.43000°,λ106.94000°. NP2:ϕs177.60000°,δ60.08000°,λ79.90000°. Principal axes: T 4.3423,Plg73.0000°,Azm63.0000°; N 1.0820,Plg9.0000°,Azm183.0000°; P -5.4243,Plg15.0000°,Azm275.0000° M0 4.97000×10^{16}
NEIC Event type se. Moment Tensor Solution.Duration: 2s2 Moment tensor: Scale 10^{16}Nm; Mrr3.18 Mθθ0.49 Mϕϕ-3.67 Mrθ-0.01 Mθϕ-0.55 Mϕr-6.58 NP1:ϕs180.67000°,δ76.23000°,λ86.10000°. NP2:ϕs16.66000°,δ14.30000°,λ105.52000°. Principal axes: T 7.1854,Plg59.0000°,Azm85.0000°; N 0.5015,Plg4.0000°,Azm182.0000°; P -7.6869,Plg31.0000°,Azm274.0000° M0 7.44000×10^{16}
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s76,c101; s117,c169;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr5.26±.16 Mθθ-0.02±.09; Mϕϕ-5.24±.12; Mrθ0.18±.17; Mθϕ-0.03±.07; Mϕr-4.58±.22; Best double couple: NP1:ϕs179.00000°,δ66.00000°,λ89.00000°. NP2:ϕs2.00000°,δ24.00000°,λ93.00000°. Principal axes: T 6.9810,Plg69.0000°,Azm86.0000°; N -0.0270,Plg1.0000°,Azm179.0000°; P -6.9570,Plg21.0000°,Azm270.0000° M0 6.96900×10^{16}
ISC III 10 22 15 51.3–2.0 30.57S–.04 72.07W–.08 13–10 35 0-151
SJA III 10 22 15 48.6–.90 30.58S 72.17W 13–4 3.8W,3.8L **¶610545984**
IDC III 10 22 15 50.3–2.2 30.61S 71.82W 0 3.9b,3.7
GUC III 10 22 15 52.7–.73 30.61S 71.98W 31–3 3.9L,3.7
ISC Event type ke.
SJA Error ellipse: s-maj=2.5km s-min=4.8km az=-1.0. Hypocentre not reviewed by the ISC.
IDC Error ellipse: s-maj=116.2km s-min=47.7km az=94.0.
GUC Error ellipse: s-maj=1.7km s-min=4.3km az=-1.0.
ISC III 11 01 04 22.9–2.1 30.03S–.06 72.10W–.08 11–13 18 1-151
SJA III 11 01 04 20.6–.55 30.01S 72.39W 30–5 3.6W,3.4L **¶610545988**
IDC III 11 01 04 21.3–2.2 30.02S 72.39W 0 3.7,3.6L
GUC III 11 01 04 24.7–.71 30.04S 72.07W 35–14 3.2L,3.6L
ISC Event type ke.
SJA Error ellipse: s-maj=1.3km s-min=4.6km az=-1.0. Hypocentre not reviewed by the ISC.
IDC Error ellipse: s-maj=52.7km s-min=32.8km az=64.0.
GUC Error ellipse: s-maj=2.8km s-min=4.6km az=-1.0.
ISC III 11 15 15 36.2–1.7 29.94S–.04 72.14W–.06 3–10 4.2b,3.4s 83 1-154
SJA III 11 15 15 33.8–1.5 29.99S 72.25W 10–7 4.2L,4.1W **¶610546021**
IDC III 11 15 15 36.3–.98 30.12S 72.05W 0 4.1L,4.0
NEIC III 11 15 15 36.6–2.1 29.918S–.01 72.20W–.07 10–2 4.3b,4.0L
GUC III 11 15 15 38.2–.75 29.98S 72.03W 10–5 4.0L,4.0L
ISC Event type se.

SJA Error ellipse: s-maj=3.6km s-min=6.9km az=-1.0. Hypocentre not reviewed by the ISC.
IDC Error ellipse: s-maj=31.0km s-min=28.2km az=129.0.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=3.0km az=272.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=2.1km s-min=4.8km az=-1.0.
ISC III 11 19 07 28.7–1.6 29.96S–.04 72.14W–.05 7–9 88 1-174
SJA III 11 19 07 24.4–1.9 29.90S 72.45W 10 4.0L,3.7W **¶610325518**
IDC III 11 19 07 28.9–1.5 29.96S 72.25W 0 4.1b,3.9
NEIC III 11 19 07 29.3–1.8 29.97S–.05 72.15W–.05 10–1 4.1b,4.0L
GUC III 11 19 07 30.6–.69 29.97S 72.10W 32–4 4.0L,4.0L
ISC Event type se.
SJA Error ellipse: s-maj=6.0km s-min=13.5km az=-1.0. Hypocentre not reviewed by the ISC.
IDC Error ellipse: s-maj=42.0km s-min=27.2km az=77.0.
NEIC Event type se. Error ellipse: s-maj=8.9km s-min=6.3km az=224.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=2.2km s-min=4.7km az=-1.0.
ISC III 12 07 26 15.1–1.6 39.54S–.05 75.28W–.06 10–9 4.3b,3.5s 130 1-172
NEIC III 12 07 26 14.9–1.5 39.51S–.05 75.30W–.08 10–1 4.5b,4.1L **¶610325596**
NEIC III 12 07 26 14.9 39.51S 75.30W 10 4.5b,4.1L
VAO III 12 07 26 16.9–.53 39.60S 75.39W 10 4.4b,4.1L
SJA III 12 07 26 16.1–2.2 39.74S 74.99W 10 3.6W,3.3L
GUC III 12 07 26 17.1–.57 39.58S 75.24W 28–5 4.1L,3.3L
IDC III 12 07 26 20.8–3.7 39.61S 75.17W 49–33 4.5L,4.1
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=8.2km az=267.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-1.13 $M_{\theta\theta}$-0.05 $M_{\phi\phi}$1.18 $M_{r\theta}$0.46 $M_{\theta\phi}$0.82
$M_{\phi r}$-0.06 NP1:ϕ_s229.94000°,δ53.55000°,λ-56.87000°. NP2:ϕ_s2.25000°,δ47.65000°
,λ-126.50000°. Principal axes: T 1.5986,Plg3.0000°,Azm297.0000°; N -0.2435,Plg26.0000°
,Azm29.0000°; P -1.3550,Plg64.0000°,Azm201.0000° $M_0$1.49000×10^{15}
NEIC Event type se.
VAO Error ellipse: s-maj=6.4km s-min=6.2km az=-1.0.
SJA Error ellipse: s-maj=25.7km s-min=65.0km az=-1.0. Hypocentre not reviewed by the ISC.
GUC Error ellipse: s-maj=5.4km s-min=7.7km az=-1.0.
IDC Error ellipse: s-maj=28.0km s-min=19.0km az=81.0.
GUC III 14 19 19 00.4–.32 37.27S 74.97W 25–5 3.7L
¶612087229
GUC Error ellipse: s-maj=2.7km s-min=5.5km az=-1.0.
ISC III 16 07 05 11.3–1.1 33.99S–.02 72.16W–.04 17–6 4.8b,4.2s 225 1-171
GUC III 16 07 05 11.3–.64 34.00S 72.12W 19–10 4.3L,4.2s **¶610329831**
NEIC III 16 07 05 11.9–1.4 34.03S–.04 72.20W–.06 22–4 4.9b,4.5
VAO III 16 07 05 12.4–.41 33.90S 72.32W 23 4.7b,4.5
NEIC III 16 07 05 12.3 34.01S 72.18W 25 4.7b,4.5
IDC III 16 07 05 16.0–2.2 33.98S 72.04W 49–19 4.4,4.2L
ISC Event type se.
GUC Error ellipse: s-maj=1.8km s-min=4.0km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=7.0km s-min=5.6km az=88.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}4.16 $M_{\theta\theta}$0.34 $M_{\phi\phi}$-4.49 $M_{r\theta}$1.69 $M_{\theta\phi}$-0.62
$M_{\phi r}$-6.05 NP1:ϕ_s168.70000°,δ73.34000°,λ78.17000°. NP2:ϕ_s24.85000°,δ20.34000°
,λ124.42000°. Principal axes: T 7.7003,Plg60.0000°,Azm62.0000°; N -0.0913,Plg11.0000°
,Azm172.0000°; P -7.6090,Plg27.0000°,Azm268.0000° $M_0$7.66000×10^{15}
VAO Error ellipse: s-maj=5.8km s-min=4.3km az=-1.0.
NEIC Event type se.
IDC Error ellipse: s-maj=20.0km s-min=15.2km az=99.0.
ISC III 16 18 41 56.4–1.5 34.00S–.03 72.15W–.05 9–9 52 1-154
IDC III 16 18 41 55.3–3.0 33.98S 72.03W 0 3.6,3.6b **¶610546329**
SJA III 16 18 41 56.6–.67 34.00S 72.14W 24–2 3.9W,3.8L
GUC III 16 18 41 58.2–.84 34.00S 72.17W 10–3 3.5L,3.8L
ISC Event type ke.
IDC Error ellipse: s-maj=144.3km s-min=36.9km az=91.0.
SJA Error ellipse: s-maj=1.6km s-min=3.1km az=-1.0. Hypocentre not reviewed by the ISC.
GUC Error ellipse: s-maj=1.5km s-min=3.6km az=-1.0.
GUC III 17 02 20 28.1–.52 38.50S 74.88W 42–5 4.0L
¶612087424
GUC Error ellipse: s-maj=8.1km s-min=4.6km az=-1.0.
ISC III 19 03 52 05.1–3.4 28.97S–.03 72.42W–.06 1–21 4.4b,3.5s 172 1-174
NEIC III 19 03 52 05.3–2.6 28.93S–.01 72.51W–.07 6–3 4.4b,4.2 **¶610345964**
NEIC III 19 03 52 05.5 28.92S 72.49W 6 4.4b,4.2
SJA III 19 03 52 05.5–1.7 29.01S 72.31W 10 4.1W,4.0L
IDC III 19 03 52 06.2–.66 28.99S 72.30W 0 4.3L,4.2
VAO III 19 03 52 10.7–1.4 28.84S 72.39W 16 4.5b,4.2
GUC III 19 03 52 10.6–.90 29.01S 72.12W 38–3 3.9L,4.2
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=8.5km s-min=1.8km az=96.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}1.86 $M_{\theta\theta}$-0.58 $M_{\phi\phi}$-1.28 $M_{r\theta}$-0.50
$M_{\theta\phi}$0.17 $M_{\phi r}$-1.54 NP1:ϕ_s188.37000°,δ67.86000°,λ98.87000°. NP2:ϕ_s345.87000°,δ23.77000°
,λ69.23000°. Principal axes: T 2.5759,Plg66.0000°,Azm114.0000°; N -0.6692,Plg8.0000°
,Azm5.0000°; P -1.9068,Plg22.0000°,Azm272.0000° $M_0$2.32000×10^{15}
NEIC Event type se.
SJA Error ellipse: s-maj=5.3km s-min=13.7km az=-1.0. Hypocentre not reviewed by the ISC.
IDC Error ellipse: s-maj=23.7km s-min=21.7km az=74.0.
VAO Error ellipse: s-maj=11.7km s-min=11.8km az=-1.0.
GUC Error ellipse: s-maj=2.1km s-min=5.5km az=-1.0.
GUC III 29 07 10 42.4–.58 38.64S 75.04W 15–7 3.8L
¶612088262
GUC Error ellipse: s-maj=10.8km s-min=11.1km az=-1.0.
ISC III 29 20 29 21.1–2.9 28.92S–.03 72.58W–.08 9–20 4.0b 38 2-153
GUC III 29 20 29 20.4–.51 28.90S 72.69W 16–15 3.7L **¶610543954**
IDC III 29 20 29 25.1–.86 29.04S 72.38W 0 3.8,3.8b
ISC Event type ke.
GUC Error ellipse: s-maj=2.8km s-min=10.0km az=-1.0.
IDC Error ellipse: s-maj=26.3km s-min=21.7km az=34.0.
ISC IV 07 04 38 38.6–1.4 31.44S–.03 72.21W–.05 8–9 4.4b 135 1-155
SJA IV 07 04 38 38.6–.76 31.41S 72.41W 15–999 4.1W,3.9L **¶610518291**
NEIC IV 07 04 38 39.6–1.6 31.39S–.04 72.6W–.10 33–12 4.3b,3.9L
IDC IV 07 04 38 39.1–1.3 31.35S 72.02W 0 4.3L,4.2
VAO IV 07 04 38 40.7–.39 31.48S 72.65W 37 4.2b,4.2
GUC IV 07 04 38 41.4–.77 31.46S 72.06W 35–4 3.9L,4.2
ISC Event type se.
SJA Error ellipse: s-maj=1.7km s-min=5.7km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=15.7km s-min=3.3km az=104.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=35.6km s-min=28.1km az=95.0.
VAO Error ellipse: s-maj=4.4km s-min=5.6km az=-1.0.
GUC Error ellipse: s-maj=1.8km s-min=7.6km az=-1.0.
ISC IV 07 06 29 33.7–1.7 31.34S–.03 72.27W–.06 9–10 4.1b 80 1-83
IDC IV 07 06 29 34.0–1.8 31.36S 72.13W 0 3.8b,3.7 **¶610652129**
SJA IV 07 06 29 33.1–1.3 31.39S 72.31W 20 3.5W,3.3L
GUC IV 07 06 29 37.7–.83 31.44S 72.12W 38–4 3.5L,3.3L
ISC Event type ke.
IDC Error ellipse: s-maj=45.8km s-min=31.4km az=89.0.
SJA Error ellipse: s-maj=2.5km s-min=7.1km az=-1.0.
GUC Error ellipse: s-maj=2.3km s-min=4.7km az=-1.0.
ISC IV 09 14 32 44.4–3.1 31.25S–.04 72.92W–.05 4–20 4.0b 108 1-165
IDC IV 09 14 32 45.3–1.2 31.33S 72.97W 0 3.9,3.9L **¶610523759**
NEIC IV 09 14 32 45.8–.92 31.27S–.05 72.8W–.10 10–2 4.2b,4.1L
GUC IV 09 14 32 48.0–.78 31.33S 72.65W 18–5 4.1L,4.1L
ISC Event type se.
IDC Error ellipse: s-maj=31.2km s-min=29.2km az=103.0.
NEIC Event type se. Error ellipse: s-maj=17.0km s-min=8.9km az=276.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=2.5km s-min=5.0km az=-1.0.
ISC IV 10 02 34 40.9–1.3 31.70S–.03 72.52W–.07 10 71 1-4
SJA IV 10 02 34 41.6–.75 31.67S 72.55W 41–7 3.7W,3.4L **¶616344699**
GUC IV 10 02 34 44.6–.86 31.72S 72.18W 36–3 3.3L,3.4L
ISC Event type ke.
SJA Error ellipse: s-maj=1.7km s-min=6.2km az=-1.0.
GUC Error ellipse: s-maj=1.5km s-min=4.3km az=-1.0.
ISC IV 12 20 09 49.9–.57 30.08S–.03 72.05W–.05 31–3 4.7s,4.6b 146 1-154
SJA IV 12 20 09 45.4–1.1 30.08S 72.17W 20 4.5W,4.4L **¶610527190**
NEIC IV 12 20 09 46.2–2.7 30.05S–.04 72.29W–.07 10–5 4.5W,4.4L
GUC IV 12 20 09 48.5–.60 30.06S 72.11W 29–4 4.5L,4.4L
NEIC IV 12 20 09 49 30.10S 71.96W 28 4.5L,4.4L
IDC IV 12 20 09 51.5–.84 30.09S 71.94W 30–4 4.3s,4.3
VAO IV 12 20 09 54.9–.70 29.80S 71.38W 10 3.9b,4.3
ISC Event type se.
SJA Error ellipse: s-maj=3.5km s-min=6.3km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=5.7km az=88.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}0.83 $M_{\theta\theta}$0.05 $M_{\phi\phi}$-0.88 $M_{r\theta}$0.42 $M_{\theta\phi}$0.32
$M_{\phi r}$-4.06 NP1:ϕ_s327.56000°,δ6.79000°,λ63.79000°. NP2:ϕ_s173.93000°,δ83.91000°
,λ93.01000°. Principal axes: T 4.1270,Plg51.0000°,Azm87.0000°; N 0.1115,Plg3.0000°
,Azm354.0000°; P -4.2385,Plg39.0000°,Azm261.0000° $M_0$4.18000×10^{15}
GUC Error ellipse: s-maj=1.7km s-min=3.5km az=-1.0.
NEIC Event type se.
IDC Error ellipse: s-maj=29.5km s-min=17.2km az=80.0.
VAO Error ellipse: s-maj=9.3km s-min=15.4km az=-1.0.
ISC IV 14 16 22 14.2–2.1 29.83S–.04 72.29W–.09 3–12 42 1-6
SJA IV 14 16 22 09.7–.46 29.51S 72.66W 10 3.5L,3.3W **¶616344781**
GUC IV 14 16 22 19.4–.52 29.96S 71.99W 40–3 3.4L,3.3W
ISC Event type ke.
SJA Error ellipse: s-maj=4.7km s-min=8.9km az=-1.0.
GUC Error ellipse: s-maj=1.7km s-min=3.5km az=-1.0.
ISC IV 15 02 24 10.1–1.8 29.90S–.02 72.11W–.06 8–13 81 1-5
SJA IV 15 02 24 09.3–.73 29.90S 72.15W 10–4 3.6L,3.4W **¶616344785**
GUC IV 15 02 24 13.9–.70 29.94S 71.94W 22–7 3.5L,3.4W
ISC Event type ke.
SJA Error ellipse: s-maj=1.7km s-min=4.4km az=-1.0.
GUC Error ellipse: s-maj=1.6km s-min=3.9km az=-1.0.
ISC IV 17 11 53 32.1–1.3 32.04S–.02 72.02W–.06 12–8 4.3b 80 1-155
IDC IV 17 11 53 30.3–.76 32.04S 71.96W 0 4.2b,4.0 **¶610652927**
NEIC IV 17 11 53 33.8–1.3 32.06S–.04 71.95W–.05 16–6 4.5b,4.0L
GUC IV 17 11 53 34.1–.78 32.08S 71.83W 36–3 4.0L,4.0L
ISC Event type se.
IDC Error ellipse: s-maj=31.7km s-min=18.3km az=109.0.
NEIC Event type se. Error ellipse: s-maj=6.8km s-min=4.4km az=55.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=1.1km s-min=3.4km az=-1.0.
ISC IV 19 12 55 44.0–.74 28.75S–.03 72.31W–.05 10 3.7b 66 1-153
SJA IV 19 12 55 40.9–1.7 28.69S 72.36W 10 3.7W,3.5L **¶610630844**
IDC IV 19 12 55 44.2–1.1 28.63S 72.17W 0 3.7,3.7b
GUC IV 19 12 55 45.3–.79 28.75S 72.26W 33–3 3.1L,3.7b
ISC Event type ke.
SJA Error ellipse: s-maj=4.2km s-min=9.6km az=-1.0.
IDC Error ellipse: s-maj=34.6km s-min=23.4km az=47.0.
GUC Error ellipse: s-maj=2.3km s-min=4.7km az=-1.0.
GUC IV 19 15 41 15.4–.78 33.11S 72.98W 33–2 3.8L
¶616344866
GUC Error ellipse: s-maj=2.5km s-min=3.3km az=-1.0.
ISC IV 22 22 46 44.6–.90 33.01S–.03 72.04W–.04 25–6 5.1b,4.5s 418 0-179
SJA IV 22 22 46 40.2–1.9 33.00S 72.21W 27–11 4.9W,4.9L **¶610547489**
IDC IV 22 22 46 41.3–.45 32.95S 71.95W 0 4.8b,4.7
VAO IV 22 22 46 41.5–.31 33.05S 72.15W 11 4.9b,4.7
NEIC IV 22 22 46 42.9–1.8 32.99S–.04 72.15W–.04 9–3 5.1b,4.9
NEIC IV 22 22 46 42.8 32.97S 72.14W 11 5.1b,4.9
BJI IV 22 22 46 42.1–.00 32.39S 72.94W 14 5.3b,5.0s
GUC IV 22 22 46 44.8–.73 33.04S 71.96W 28–2 4.5L,5.0s
GCMT IV 22 22 46 45.9–.30 33.02S–.02 72.26W–.03 29–1 5.1W,5.0s
MOS IV 22 22 46 45.3–1.1 32.88S 71.94W 33 5.2b,5.0s
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s13.67497°,δ28.14650°,λ104.43003°. NP2:
ϕ_s177.40640°,δ62.81624°,λ82.40616°. Principal axes: T Plg71.1781°,Azm70.5703°
; N Plg6.7509°,Azm180.8918°; P Plg17.4845°,Azm273.0287°
SJA Error ellipse: s-maj=5.3km s-min=17.8km az=-1.0.
IDC Error ellipse: s-maj=18.9km s-min=12.7km az=83.0.
VAO Error ellipse: s-maj=3.9km s-min=3.3km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=5.9km s-min=4.9km az=208.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}1.92 $M_{\theta\theta}$0.26 $M_{\phi\phi}$-2.17 $M_{r\theta}$0.41 $M_{\theta\phi}$-0.47
$M_{\phi r}$-1.52 NP1:ϕ_s174.44000°,δ64.15000°,λ73.66000°. NP2:ϕ_s28.35000°,δ30.28000°
,λ120.14000°. Principal axes: T 2.5499,Plg67.0000°,Azm54.0000°; N 0.1647,Plg15.0000°
,Azm182.0000°; P -2.7146,Plg18.0000°,Azm276.0000° $M_0$2.64000×10^{16}
NEIC Event type se.
GUC Error ellipse: s-maj=1.6km s-min=2.7km az=-1.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function. Moment Tensor Solution. s45,c55; s83,c111;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}3.76±.18 $M_{\theta\theta}$-0.04±.12; $M_{\phi\phi}$-3.72±.12; $M_{r\theta}$-0.56±.18;
$M_{\theta\phi}$-0.29±.07; $M_{\phi r}$-3.32±.19; Best double couple: NP1:ϕ_s188.00000°,δ66.00000°,λ93.00000°.
NP2:ϕ_s1.00000°,δ24.00000°,λ84.00000°. Principal axes: T 5.0560,Plg69.0000°
,Azm103.0000°; N -0.0320,Plg2.0000°,Azm7.0000°; P -5.0250,Plg21.0000°,Azm276.0000°
$M_0$5.04100×10^{16}
MOS Error ellipse: s-maj=11.2km s-min=7.5km az=98.8.
ISC IV 22 23 28 31.7–1.4 33.05S–.02 72.15W–.05 18–7 62 0-5
SJA IV 22 23 28 28.2–.77 33.00S 72.32W 14–4 3.5W,3.4L **¶616344932**
GUC IV 22 23 28 33.5–.69 33.01S 72.06W 20–7 3.3L,3.4L
ISC Event type ke.
SJA Error ellipse: s-maj=1.8km s-min=5.4km az=-1.0.
GUC Error ellipse: s-maj=1.8km s-min=3.2km az=-1.0.
ISC IV 22 23 57 10.4–1.3 32.96S–.02 72.18W–.04 13–8 4.3b,3.7s 122 0-156
SJA IV 22 23 57 03.9–.69 33.22S 72.60W 18–3 4.5L,4.4W **¶610547493**
IDC IV 22 23 57 07.4–1.7 33.13S 72.44W 0 4.3b,4.1
NEIC IV 22 23 57 12.0–1.3 33.02S–.03 72.11W–.07 19–4 4.3b,4.2
NEIC IV 22 23 57 12 33.02S 72.11W 20 4.3b,4.2
GUC IV 22 23 57 13.5–.59 33.05S 71.92W 32–2 3.9L,4.2
ISC Event type se.
SJA Error ellipse: s-maj=4.0km s-min=7.3km az=-1.0.
IDC Error ellipse: s-maj=41.1km s-min=21.4km az=101.0.
NEIC Event type se. Error ellipse: s-maj=8.2km s-min=4.6km az=102.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}1.38 $M_{\theta\theta}$0.15 $M_{\phi\phi}$-1.53 $M_{r\theta}$0.25 $M_{\theta\phi}$-0.23
$M_{\phi r}$-1.61 NP1:ϕ_s175.12000°,δ69.38000°,λ79.90000°. NP2:ϕ_s21.94000°,δ22.86000°
,λ114.98000°. Principal axes: T 2.1468,Plg64.0000°,Azm69.0000°; N 0.1080,Plg9.0000°
,Azm179.0000°; P -2.2549,Plg24.0000°,Azm273.0000° $M_0$2.20000×10^{15}
NEIC Event type se.
GUC Error ellipse: s-maj=1.4km s-min=2.6km az=-1.0.
ISC IV 23 01 49 10.0–1.2 33.00S–.03 72.17W–.04 12–7 4.8b,4.3s 194 0-172
IDC IV 23 01 49 09.1–.66 32.96S 71.88W 0 4.6b,4.5 **¶610547531**
NEIC IV 23 01 49 11.7–1.6 33.00S–.04 72.08W–.03 17–4 4.8b,4.6
NEIC IV 23 01 49 11.5 33.00S 72.09W 16 4.8b,4.6
GUC IV 23 01 49 12.5–.88 33.03S 72.06W 22–7 4.6L,4.6
VAO IV 23 01 49 20.2–1.3 32.85S 71.72W 80–8 4.5b,4.6
ISC Event type se.
IDC Error ellipse: s-maj=20.5km s-min=14.6km az=125.0.
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=2.3km az=212.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}4.27 $M_{\theta\theta}$1.28 $M_{\phi\phi}$-5.54 $M_{r\theta}$0.73 $M_{\theta\phi}$-1.00
$M_{\phi r}$-6.93 NP1:ϕ_s26.56000°,δ19.90000°,λ119.63000°. NP2:ϕ_s175.40000°,δ72.79000°
,λ79.86000°. Principal axes: T 8.0354,Plg61.0000°,Azm71.0000°; N 1.1246,Plg10.0000°
,Azm178.0000°; P -9.1599,Plg27.0000°,Azm273.0000° $M_0$8.65000×10^{15}

NEIC Event type se.
GUC Error ellipse: s-maj=2.2km s-min=3.5km az=-1.0.
VAO Error ellipse: s-maj=6.3km s-min=6.8km az=-1.0.
ISC IV 23 02 17 57.0–1.3 33.04S–.02 72.13W–.05 24–10 102 0-156
IDC IV 23 02 17 52.5–3.3 32.90S 72.33W 0 3.8b,3.8L **¶610649789**
SJA IV 23 02 17 53.6–.83 33.01S 72.24W 19–3 3.8W,3.7L
NEIC IV 23 02 17 56.9–1.1 33.01S–.04 72.12W–.04 19–4 3.8L,3.7
NEIC IV 23 02 17 56.9 33.00S 72.13W 20 3.8L,3.7
GUC IV 23 02 17 57.9–.82 33.00S 72.07W 27–11 3.8L,3.7
ISC Event type se.
IDC Error ellipse: s-maj=97.9km s-min=35.7km az=97.0.
SJA Error ellipse: s-maj=1.7km s-min=4.6km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=5.5km s-min=4.7km az=128.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}3.00 $M_{\theta\theta}$-0.53 $M_{\phi\phi}$-2.47 $M_{r\theta}$0.90 $M_{\theta\phi}$-0.36 $M_{\phi r}$-3.68 NP1:ϕ_s171.78000°,δ72.31000°,λ81.37000°. NP2:ϕ_s18.33000°,δ19.62000°,λ115.20000°. Principal axes: T 5.0154,Plg62.0000°,Azm69.0000°; N -0.6915,Plg8.0000°,Azm174.0000°; P -4.3240,Plg27.0000°,Azm269.0000° $M_0$4.71000×10^{14}
NEIC Event type se.
GUC Error ellipse: s-maj=2.0km s-min=3.0km az=-1.0.
ISC IV 23 02 36 06.0–.37 33.01S–.02 72.10W–.02 16–2 5.8s,5.5b 1458 0-179
SJA IV 23 02 36 02.0–.75 33.06S 72.30W 7–5 5.8L,5.5W **¶610547532**
IDC IV 23 02 36 04.1–.33 32.96S 71.90W 0 5.8s,5.2
BJI IV 23 02 36 05.6–.00 32.98S 72.47W 20 6.1s,6.0
NEIC IV 23 02 36 05.8 33.04S 72.09W 7 6.1s,6.0
VAO IV 23 02 36 05.1–.23 33.02S 71.99W 10 5.6b,6.0
NEIC IV 23 02 36 06.4 33.04S 71.82W 24 5.6b,6.0
NEIC IV 23 02 36 06.4 33.04S 72.06W 24 5.6b,6.0
GUC IV 23 02 36 06.1–.73 33.02S 72.13W 26–5 6.0L,6.0
NEIC IV 23 02 36 07.8–1.9 33.04S–.03 72.03W–.05 21–1 6.0,5.9
MOS IV 23 02 36 08.4–1.1 32.98S 71.91W 34 5.8s,5.6b
GCMT IV 23 02 36 11.8–.10 33.06S–.01 72.04W–.01 23–0 6.0W,5.6b
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s342.02829°,δ40.84331°,λ73.96362°. NP2: ϕ_s182.83258°,δ51.05726°,λ103.43153°. Principal axes: T Plg78.3429°,Azm147.2123°; N Plg10.4084°,Azm354.2959°; P Plg5.1912°,Azm263.3397°
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 5s3 Moment tensor: Scale 10^{18}Nm; M_{rr}0.61 $M_{\theta\theta}$0.02 $M_{\phi\phi}$-0.62 $M_{r\theta}$-0.07 $M_{\theta\phi}$-0.03 $M_{\phi r}$-0.95 NP1:ϕ_s183.92000°,δ73.56000°,λ90.58000°. NP2:ϕ_s1.85000°,δ16.45000°,λ88.02000°. Principal axes: T 1.1238,Plg61.0000°,Azm95.0000°; N 0.0171,Plg1.0000°,Azm4.0000°; P -1.1408,Plg29.0000°,Azm273.0000° $M_0$1.13000×10^{18}
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}6.99 $M_{\theta\theta}$0.63 $M_{\phi\phi}$-7.63 $M_{r\theta}$-0.76 $M_{\theta\phi}$1.17 $M_{\phi r}$-5.12 NP1:ϕ_s181.95000°,δ62.70000°,λ99.94000°. NP2:ϕ_s341.05000°,δ28.92000°,λ71.52000°. Principal axes: T 8.7546,Plg71.0000°,Azm114.0000°; N 0.5707,Plg9.0000°,Azm357.0000°; P -9.3254,Plg17.0000°,Azm265.0000° $M_0$9.05000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s156,c338; s153,c483; Duration: 2s4 Moment tensor: Scale 10^{18}Nm; M_{rr}0.79±.01 $M_{\theta\theta}$0.03±.01; $M_{\phi\phi}$-0.81±.01; $M_{r\theta}$-0.06±.01; $M_{\theta\phi}$-0.04±.00; $M_{\phi r}$-0.82±.01; Best double couple: NP1:ϕ_s184.00000°,δ68.00000°,λ91.00000°. NP2:ϕ_s1.00000°,δ22.00000°,λ88.00000°. Principal axes: T 1.1320,Plg67.0000°,Azm96.0000°; N 0.0280,Plg1.0000°,Azm4.0000°; P -1.1600,Plg23.0000°,Azm273.0000° $M_0$1.14600×10^{18}
ISC IV 23 02 43 18.1–.50 33.01S–.03 72.02W–.05 22–3 5.0b 227 0-175
MOS IV 23 02 43 14.8–.95 32.99S 72.01W 9 5.2b **¶616344953**
IDC IV 23 02 43 15.1–.56 32.98S 71.92W 0 5.6s,5.0b
GUC IV 23 02 43 18.6–.72 33.05S 71.91W 26–2 4.8L,5.0b
NEIC IV 23 02 43 18.7–1.4 33.02S–.02 71.95W–.05 21–3 5.0b,4.8
NEIC IV 23 02 43 18.7 33.02S 71.96W 21 5.0b,4.8
ISC Event type se.
MOS Error ellipse: s-maj=13.5km s-min=8.3km az=93.8.
IDC Error ellipse: s-maj=23.2km s-min=16.2km az=79.0.
GUC Error ellipse: s-maj=1.8km s-min=2.7km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=6.1km s-min=3.1km az=82.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.57 $M_{\theta\theta}$0.36 $M_{\phi\phi}$-0.92 $M_{r\theta}$-0.00 $M_{\theta\phi}$-0.32 $M_{\phi r}$-1.63 NP1:ϕ_s39.89000°,δ15.79000°,λ129.55000°. NP2:ϕ_s179.25000°,δ77.88000°,λ79.79000°. Principal axes: T 1.6352,Plg56.0000°,Azm76.0000°; N 0.3647,Plg10.0000°,Azm181.0000°; P -1.9998,Plg32.0000°,Azm278.0000° $M_0$1.84000×10^{16}
NEIC Event type se.
ISC IV 23 02 52 37.5–.37 33.03S–.02 72.01W–.04 21–2 4.8b 181 0-172
SJA IV 23 02 52 32.8–.89 33.09S 72.17W 7–5 4.7L,4.3W **¶610547533**
IDC IV 23 02 52 34.6–.58 33.03S 71.83W 0 4.5b,4.4
NEIC IV 23 02 52 37.2–1.7 33.04S–.04 72.03W–.06 16–1 4.8b,4.7
GUC IV 23 02 52 38.2–.86 33.05S 72.00W 25–5 4.7L,4.7
NEIC IV 23 02 52 38.2 33.05S 71.96W 21 4.7L,4.7
ISC Event type se.
SJA Error ellipse: s-maj=2.2km s-min=4.3km az=-1.0.
IDC Error ellipse: s-maj=21.9km s-min=16.5km az=94.0.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=5.0km az=87.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}4.63 $M_{\theta\theta}$0.73 $M_{\phi\phi}$-5.36 $M_{r\theta}$0.30 $M_{\theta\phi}$-0.13 $M_{\phi r}$-4.91 NP1:ϕ_s5.84000°,δ22.90000°,λ97.57000°. NP2:ϕ_s177.63000°,δ67.31000°,λ86.81000°. Principal axes: T 6.6556,Plg68.0000°,Azm82.0000°; N 0.7110,Plg3.0000°,Azm179.0000°; P -7.3666,Plg22.0000°,Azm270.0000° $M_0$7.04000×10^{15}
GUC Error ellipse: s-maj=2.1km s-min=4.0km az=-1.0.
NEIC Event type se.
ISC IV 23 03 00 10.6–1.2 33.03S–.02 72.14W–.04 13–7 4.7b 179 0-156
SJA IV 23 03 00 06.7–.84 33.02S 72.35W 8–4 4.7L,4.3W **¶610547534**
IDC IV 23 03 00 09.1–.61 32.93S 71.99W 0 4.4b,4.3
NEIC IV 23 03 00 11.6–1.3 33.04S–.04 72.12W–.04 15–3 4.7b,4.5
NEIC IV 23 03 00 11.5 33.04S 72.12W 14 4.7b,4.5
GUC IV 23 03 00 12.7–.78 33.06S 71.99W 22–4 4.5L,4.5
VAO IV 23 03 00 50.6–3.6 31.77S 70.99W 305 4.4b,4.5
ISC Event type se.
SJA Error ellipse: s-maj=2.2km s-min=3.6km az=-1.0.
IDC Error ellipse: s-maj=24.1km s-min=14.4km az=96.0.
NEIC Event type se. Error ellipse: s-maj=7.0km s-min=1.3km az=216.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}3.83 $M_{\theta\theta}$0.85 $M_{\phi\phi}$-4.68 $M_{r\theta}$1.39 $M_{\theta\phi}$-1.58 $M_{\phi r}$-5.62 NP1:ϕ_s40.56000°,δ25.17000°,λ136.08000°. NP2:ϕ_s171.64000°,δ72.84000°,λ71.30000°. Principal axes: T 7.2211,Plg58.0000°,Azm56.0000°; N 0.3291,Plg18.0000°,Azm177.0000°; P -7.5502,Plg26.0000°,Azm276.0000° $M_0$7.39000×10^{15}
NEIC Event type se.
GUC Error ellipse: s-maj=1.9km s-min=3.2km az=-1.0.
VAO Error ellipse: s-maj=38.6km s-min=24.0km az=-1.0.
ISC IV 23 03 02 15.8–1.3 33.06S–.03 72.04W–.04 18–7 4.8b 185 0-176
VAO IV 23 03 02 13.7–.31 33.19S 72.18W 18 4.7b **¶610547537**
IDC IV 23 03 02 13.1–.65 33.04S 71.96W 0 4.6b,4.5
NEIC IV 23 03 02 16.7–1.3 33.07S–.03 72.01W–.06 19–3 4.8b,4.7
NEIC IV 23 03 02 16.8 33.07S 72.01W 18 4.8b,4.7
GUC IV 23 03 02 17.0–.74 33.07S 72.02W 24 4.7L,4.7
ISC Event type se.
VAO Error ellipse: s-maj=3.6km s-min=3.8km az=-1.0.
IDC Error ellipse: s-maj=25.4km s-min=17.3km az=89.0.
NEIC Event type se. Error ellipse: s-maj=7.1km s-min=4.7km az=103.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}5.29 $M_{\theta\theta}$1.09 $M_{\phi\phi}$-6.38 $M_{r\theta}$1.35 $M_{\theta\phi}$-0.27 $M_{\phi r}$-5.37 NP1:ϕ_s17.04000°,δ25.28000°,λ114.83000°. NP2:ϕ_s169.94000°,δ67.19000°,λ78.78000°. Principal axes: T 7.6604,Plg66.0000°,Azm60.0000°; N 0.8146,Plg10.0000°,Azm174.0000°; P -8.4750,Plg21.0000°,Azm268.0000° $M_0$8.10000×10^{15}
NEIC Event type se.
GUC Error ellipse: s-maj=1.7km s-min=2.9km az=-1.0.
ISC IV 23 03 10 03.4–1.1 32.98S–.02 72.01W–.05 23–8 4.3b 109 0-156
SJA IV 23 03 09 58.7–.69 32.99S 72.24W 12 4.2L,4.0W **¶610649791**
IDC IV 23 03 10 00.3–.86 32.86S 71.78W 0 4.1b,4.1L
NEIC IV 23 03 10 04.0–1.1 32.99S–.01 71.96W–.07 20–8 4.1b,4.0L
GUC IV 23 03 10 04.6–.78 32.99S 71.95W 27–6 4.0L,4.0L
ISC Event type se.
SJA Error ellipse: s-maj=1.9km s-min=3.7km az=-1.0.
IDC Error ellipse: s-maj=33.3km s-min=20.8km az=95.0.
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=1.5km az=96.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=1.9km s-min=3.3km az=-1.0.
ISC IV 23 03 21 03.8–1.2 33.05S–.02 72.03W–.05 25–9 78 0-126
SJA IV 23 03 20 55.1–.70 33.52S 70.85W 12–9 4.0L,3.6W **¶610649792**
IDC IV 23 03 21 01.0–3.7 33.01S 71.82W 0 4.0b,3.7
GUC IV 23 03 21 04.6–.81 33.04S 71.91W 21–3 3.7L,3.7
ISC Event type ke.
SJA Error ellipse: s-maj=3.1km s-min=10.0km az=-1.0.
IDC Error ellipse: s-maj=103.6km s-min=34.7km az=99.0.
GUC Error ellipse: s-maj=1.7km s-min=2.9km az=-1.0.
ISC IV 23 03 31 00.6–.89 33.01S–.02 72.05W–.05 22–5 77 0-126
SJA IV 23 03 30 57.4–.80 33.00S 72.17W 14–3 3.9L,3.8W **¶610649793**
IDC IV 23 03 30 57.9–3.8 32.89S 71.92W 0 3.8b,3.6L
GUC IV 23 03 31 02.0–.81 33.00S 71.97W 20–10 3.7L,3.6L
ISC Event type ke.
SJA Error ellipse: s-maj=1.5km s-min=5.2km az=-1.0.
IDC Error ellipse: s-maj=104.6km s-min=36.1km az=100.0.
GUC Error ellipse: s-maj=2.6km s-min=7.1km az=-1.0.
ISC IV 23 04 18 26.1–1.4 33.06S–.02 72.06W–.05 19–2 90 0-7
SJA IV 23 04 18 22.6–.80 33.08S 72.15W 7–5 3.7L,3.4W **¶611149581**
NEIC IV 23 04 18 26.7–1.4 33.04S–.02 72.04W–.07 22–13 3.9L,3.4W
GUC IV 23 04 18 27.9–.79 33.06S 71.97W 25–4 3.9L,3.4W
ISC Event type se.
SJA Error ellipse: s-maj=2.1km s-min=4.0km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=9.0km s-min=1.5km az=100.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=1.9km s-min=3.0km az=-1.0.
GUC IV 23 07 14 26.5–.88 33.08S 72.15W 30–6 3.5L
¶616344977
GUC Error ellipse: s-maj=1.9km s-min=3.1km az=-1.0.
ISC IV 23 12 52 14.2–1.1 33.06S–.02 72.07W–.04 19–3 4.2b 118 0-84
SJA IV 23 12 52 11.7–.70 33.08S 72.15W 26–3 4.0W,4.0L **¶611149587**
NEIC IV 23 12 52 14.6 33.06S 72.04W 21 4.0W,4.0L
GUC IV 23 12 52 15.8–.89 33.07S 71.97W 26–9 3.9L,4.0L
NEIC IV 23 12 52 15.2–1.0 33.07S–.03 72.01W–.05 24–3 4.2b,3.9L
ISC Event type se.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}3.31 $M_{\theta\theta}$0.25 $M_{\phi\phi}$-3.55 $M_{r\theta}$0.90 $M_{\theta\phi}$-0.71 $M_{\phi r}$-4.92 NP1:ϕ_s173.41000°,δ73.18000°,λ78.92000°. NP2:ϕ_s27.49000°,δ20.05000°,λ122.44000°. Principal axes: T 6.0932,Plg60.0000°,Azm67.0000°; N 0.0387,Plg11.0000°,Azm177.0000°; P -6.1319,Plg27.0000°,Azm272.0000° $M_0$6.11000×10^{14}
ISC IV 23 16 12 53.1–1.1 32.98S–.03 72.01W–.05 22–7 4.5b 123 0-156
IDC IV 23 16 12 50.5–.94 32.94S 71.79W 0 4.3L,4.2b **¶610547561**
NEIC IV 23 16 12 53.5–1.7 32.96S–.04 71.99W–.06 21–2 4.5b,4.3L
NEIC IV 23 16 12 53.2 32.96S 72.02W 20 4.5b,4.3L
GUC IV 23 16 12 54.4–.77 32.99S 71.96W 26–7 4.3L,4.3L
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s10.82407°,δ28.10007°,λ91.98192°. NP2: ϕ_s188.57758°,δ61.91824°,λ88.94209°. Principal axes: T Plg73.0608°,Azm96.0093°; N Plg0.9334°,Azm189.0756°; P Plg16.9119°,Azm279.3594°
IDC Error ellipse: s-maj=31.8km s-min=22.7km az=95.0.
NEIC Event type se. Error ellipse: s-maj=7.3km s-min=5.4km az=99.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}1.06 $M_{\theta\theta}$-0.14 $M_{\phi\phi}$-0.93 $M_{r\theta}$0.14 $M_{\theta\phi}$-0.34 $M_{\phi r}$-1.54 NP1:ϕ_s180.25000°,δ73.45000°,λ78.66000°. NP2:ϕ_s35.40000°,δ19.97000°,λ123.50000°. Principal axes: T 1.9410,Plg60.0000°,Azm74.0000°; N -0.1408,Plg11.0000°,Azm184.0000°; P -1.8002,Plg28.0000°,Azm279.0000° $M_0$1.87000×10^{15}
NEIC Event type se.
GUC Error ellipse: s-maj=1.8km s-min=3.0km az=-1.0.
ISC IV 23 19 40 11.2–.69 33.04S–.02 72.15W–.03 23–4 5.4b,5.3s 833 0-179
SJA IV 23 19 40 05.8–2.2 33.03S 72.30W 10 5.3L,4.9W **¶611833510**
IDC IV 23 19 40 06.8–.40 32.94S 72.16W 0 5.2s,5.0b
MOS IV 23 19 40 07.8–1.5 32.93S 72.07W 10 5.5b,5.3s
VAO IV 23 19 40 08.4–.29 33.20S 72.24W 16 5.3b,5.3s
NEIC IV 23 19 40 09.3 33.11S 72.05W 16 5.3b,5.3s
NEIC IV 23 19 40 09 33.02S 72.17W 8 5.3b,5.3s
NEIC IV 23 19 40 09.3 33.01S 72.16W 16 5.3b,5.3s
GUC IV 23 19 40 10.3–.89 33.05S 72.16W 17–6 5.4L,5.3s
NEIC IV 23 19 40 10.7–2.6 33.02S–.04 72.12W–.04 20–1 5.6,5.5
GCMT IV 23 19 40 14.8–.10 33.16S–.01 72.17W–.01 22–0 5.6W,5.5
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s178.65207°,δ59.88561°,λ90.45063°. NP2: ϕ_s357.75397°,δ30.11745°,λ89.22312°. Principal axes: T Plg75.1102°,Azm89.8922°; N Plg0.3898°,Azm358.4260°; P Plg14.8845°,Azm268.3224°
NEIC Event type se. Moment Tensor Solution.Duration: 3s2 Moment tensor: Scale 10^{17}Nm; M_{rr}1.24 $M_{\theta\theta}$0.28 $M_{\phi\phi}$-1.52 $M_{r\theta}$-0.16 $M_{\theta\phi}$-0.07 $M_{\phi r}$-3.18 NP1:ϕ_s182.87000°,δ78.27000°,λ90.40000°. NP2:ϕ_s0.88000°,δ11.73000°,λ88.05000°. Principal axes: T 3.3294,Plg57.0000°,Azm93.0000°; N 0.2844,Plg0.0000°,Azm3.0000°; P -3.6138,Plg33.0000°,Azm273.0000° $M_0$3.47000×10^{17}
NEIC Event type se.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.66 $M_{\theta\theta}$0.45 $M_{\phi\phi}$-2.11 $M_{r\theta}$0.02 $M_{\theta\phi}$-0.39 $M_{\phi r}$-1.15 NP1:ϕ_s181.86000°,δ60.69000°,λ82.44000°. NP2:ϕ_s17.02000°,δ30.18000°,λ103.19000°. Principal axes: T 1.9959,Plg73.0000°,Azm73.0000°; N 0.4877,Plg7.0000°,Azm186.0000°; P -2.4836,Plg15.0000°,Azm277.0000° $M_0$2.28000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s117,c190; s143,c271;Duration: 1s5 Moment tensor: Scale 10^{17}Nm; M_{rr}2.06±.04 $M_{\theta\theta}$-0.05±.02; $M_{\phi\phi}$-2.01±.03; $M_{r\theta}$0.05±.04; $M_{\theta\phi}$0.14±.02; $M_{\phi r}$-1.83±.05; Best double couple: NP1:ϕ_s178.00000°,δ66.00000°,λ91.00000°. NP2:ϕ_s355.00000°,δ24.00000°,λ87.00000°. Principal axes: T 2.7620,Plg69.0000°,Azm90.0000°; N -0.0390,Plg1.0000°,Azm357.0000°; P -2.7200,Plg21.0000°,Azm267.0000° $M_0$2.74100×10^{17}
ISC IV 23 19 44 19.0–1.6 33.08S–.03 72.13W–.06 20–4 67 0-7
NEIC IV 23 19 44 18.7–1.5 33.07S–.03 72.16W–.07 17–7 3.8L **¶611149589**
GUC IV 23 19 44 20.4–.87 33.08S 72.08W 24–8 3.8L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=8.7km s-min=3.6km az=80.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=2.0km s-min=3.7km az=-1.0.
ISC IV 23 20 30 49.0–1.7 33.03S–.04 72.09W–.06 16–10 4.0b 64 0-84
IDC IV 23 20 30 47.6–2.0 33.00S 71.94W 0 4.1b,3.8 **¶610649830**
NEIC IV 23 20 30 49.8–1.4 33.02S–.02 72.14W–.07 20–7 3.9b,3.6L
GUC IV 23 20 30 52.5–.72 33.05S 71.94W 20–21 3.6L,3.6L
ISC Event type se.
IDC Error ellipse: s-maj=39.9km s-min=24.4km az=135.0.
NEIC Event type se. Error ellipse: s-maj=8.5km s-min=2.4km az=106.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=5.2km s-min=15.5km az=-1.0.
ISC IV 24 01 19 39.6–1.2 33.11S–.02 72.14W–.04 16–7 4.4b,3.6s 146 0-156
SJA IV 24 01 19 36.9–.79 33.08S 72.31W 21–3 4.3W,4.2L **¶610547641**
IDC IV 24 01 19 38.5–.92 33.05S 71.88W 0 4.1b,4.0
NEIC IV 24 01 19 40.6–1.3 33.10S–.03 72.11W–.06 21–4 4.4b,4.2L
NEIC IV 24 01 19 40.7 33.10S 72.10W 21 4.4b,4.2L
GUC IV 24 01 19 42.1–.63 33.11S 72.04W 24–4 4.2L,4.2L
ISC Event type se.

SJA Error ellipse: s-maj=2.0km s-min=6.7km az=-1.0.
IDC Error ellipse: s-maj=25.9km s-min=17.8km az=134.0.
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=4.1km az=86.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}0.65 $M_{\theta\theta}$0.00 $M_{\phi\phi}$-0.65 $M_{r\theta}$0.18 $M_{\theta\phi}$-0.05
$M_{\phi r}$-1.23 NP1:ϕ_s173.08000°,δ76.30000°,λ84.50000°. NP2:ϕ_s15.21000°,δ14.74000°
,λ111.47000°. Principal axes: T 1.4128,Plg58.0000°,Azm76.0000°; N -0.0225,Plg5.0000°
,Azm174.0000°; P -1.3903,Plg31.0000°,Azm268.0000° $M_0$1.40000$\times10^{15}$
NEIC Event type se.
GUC Error ellipse: s-maj=1.5km s-min=2.5km az=-1.0.
ISC IV 24 03 50 49.1–1.3 33.07S–.02 72.21W–.03 12–8 4.7b 227 0-156
SJA IV 24 03 50 46.1–.77 33.09S 72.31W 15 4.6L,4.4W **¶610547650**
IDC IV 24 03 50 48.4–.67 33.04S 71.95W 0 4.5b,4.3
NEIC IV 24 03 50 50.2–1.8 33.07S–.02 72.16W–.06 18–4 4.7b,4.5L
NEIC IV 24 03 50 50.3 33.08S 72.14W 17 4.7b,4.5L
GUC IV 24 03 50 50.7–.79 33.09S 72.14W 32–7 4.5L,4.5L
VAO IV 24 03 51 08.6–2.0 32.41S 71.32W 125–12 4.4b,4.5L
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s181.28030°,δ41.58015°,λ90.04302°. NP2:
ϕ_s1.22280°,δ48.41986°,λ89.96184°. Principal axes: T Plg86.5800°,Azm270.7704°
; N Plg0.0285°,Azm1.2481°; P Plg3.4199°,Azm91.2498°
SJA Error ellipse: s-maj=2.3km s-min=3.9km az=-1.0.
IDC Error ellipse: s-maj=20.0km s-min=14.5km az=121.0.
NEIC Event type se. Error ellipse: s-maj=7.3km s-min=0.8km az=106.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}2.75 $M_{\theta\theta}$0.03 $M_{\phi\phi}$-2.78 $M_{r\theta}$1.03 $M_{\theta\phi}$-0.53
$M_{\phi r}$-2.81 NP1:ϕ_s169.47000°,δ69.09000°,λ74.24000°. NP2:ϕ_s27.81000°,δ25.97000°
,λ125.42000°. Principal axes: T 4.2448,Plg63.0000°,Azm55.0000°; N -0.2874,Plg15.0000°
,Azm175.0000°; P -3.9574,Plg23.0000°,Azm271.0000° $M_0$4.11000$\times10^{15}$
NEIC Event type se.
GUC Error ellipse: s-maj=1.8km s-min=2.6km az=-1.0.
VAO Error ellipse: s-maj=11.9km s-min=11.2km az=-1.0.
ISC IV 24 03 54 08.6–1.2 33.10S–.02 72.17W–.03 9–7 4.8b,4.1s 331 0-172
SJA IV 24 03 54 06.8–.73 33.09S 72.27W 15–4 4.9L,4.6W **¶610547649**
IDC IV 24 03 54 08.4–.59 33.09S 71.86W 0 4.6b,4.5
VAO IV 24 03 54 09.4–.30 33.22S 72.12W 20 4.9b,4.5
NEIC IV 24 03 54 10.4 33.11S 72.14W 19 4.9b,4.5
NEIC IV 24 03 54 10.4–1.4 33.12S–.03 72.14W–.04 19–3 4.8b,4.7
GUC IV 24 03 54 11.8–.75 33.10S 72.06W 22–6 4.7L,4.7
ISC Event type se.
SJA Error ellipse: s-maj=1.7km s-min=6.2km az=-1.0.
IDC Error ellipse: s-maj=17.5km s-min=13.8km az=119.0.
VAO Error ellipse: s-maj=4.2km s-min=3.3km az=-1.0.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=4.5km s-min=4.0km az=223.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}3.34 $M_{\theta\theta}$1.69 $M_{\phi\phi}$-5.03 $M_{r\theta}$1.67 $M_{\theta\phi}$-0.55
$M_{\phi r}$-6.06 NP1:ϕ_s31.83000°,δ21.82000°,λ134.00000°. NP2:ϕ_s165.70000°,δ74.49000°
,λ74.46000°. Principal axes: T 7.0848,Plg58.0000°,Azm55.0000°; N 1.1360,Plg15.0000°
,Azm170.0000°; P -8.2208,Plg28.0000°,Azm268.0000° $M_0$7.72000$\times10^{15}$
GUC Error ellipse: s-maj=1.5km s-min=2.5km az=-1.0.
ISC IV 24 06 14 39.1–1.2 33.11S–.03 72.14W–.05 28–9 4.0b 108 0-126
IDC IV 24 06 14 32.5–2.7 32.84S 73.02W 0 4.0b,3.7 **¶610649860**
NEIC IV 24 06 14 39.1–1.9 33.12S–.02 72.16W–.05 21–6 4.2b,3.7
GUC IV 24 06 14 39.7–.85 33.12S 72.14W 34–2 3.8L,3.7
NEIC IV 24 06 14 40 33.12S 72.10W 23 3.8L,3.7
ISC Event type se.
IDC Error ellipse: s-maj=51.8km s-min=31.5km az=106.0.
NEIC Event type se. Error ellipse: s-maj=5.7km s-min=2.7km az=98.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}3.16 $M_{\theta\theta}$-0.13 $M_{\phi\phi}$-3.03 $M_{r\theta}$0.58
$M_{\theta\phi}$-0.20 $M_{\phi r}$-3.31 NP1:ϕ_s173.98000°,δ68.81000°,λ83.09000°. NP2:ϕ_s12.51000°,δ22.24000°
,λ107.24000°. Principal axes: T 4.6712,Plg66.0000°,Azm72.0000°; N -0.2098,Plg6.0000°
,Azm176.0000°; P -4.4614,Plg24.0000°,Azm269.0000° $M_0$4.57000$\times10^{14}$
GUC Error ellipse: s-maj=1.5km s-min=2.7km az=-1.0.
NEIC Event type se.
ISC IV 24 06 54 33.9–1.2 33.11S–.02 72.18W–.04 23–9 4.4b 177 0-126
IDC IV 24 06 54 30.5–2.5 32.97S 72.56W 0 4.2b,3.8 **¶610547657**
SJA IV 24 06 54 33.1–.98 33.08S 72.16W 19–3 4.0W,4.0L
NEIC IV 24 06 54 34.3–2.8 33.13S–.03 72.20W–.05 22–4 4.3b,3.9
NEIC IV 24 06 54 34.2 33.11S 72.20W 19 4.3b,3.9
GUC IV 24 06 54 36.7–.61 33.12S 72.04W 28–7 3.8L,3.9
ISC Event type se.
IDC Error ellipse: s-maj=49.0km s-min=29.7km az=112.0.
SJA Error ellipse: s-maj=2.1km s-min=4.3km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=6.3km s-min=4.4km az=72.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}6.68 $M_{\theta\theta}$0.46 $M_{\phi\phi}$-7.14 $M_{r\theta}$1.07 $M_{\theta\phi}$0.80
$M_{\phi r}$-3.81 NP1:ϕ_s168.94000°,δ59.86000°,λ84.61000°. NP2:ϕ_s359.58000°,δ30.57000°
,λ99.19000°. Principal axes: T 7.7602,Plg75.0000°,Azm65.0000°; N 0.4869,Plg5.0000°
,Azm172.0000°; P -8.2471,Plg15.0000°,Azm263.0000° $M_0$8.01000$\times10^{14}$
NEIC Event type se.
GUC Error ellipse: s-maj=1.3km s-min=2.2km az=-1.0.
ISC IV 24 08 05 44.3–1.7 33.03S–.04 72.17W–.07 19–3 71 0-8
NEIC IV 24 08 05 45.1–.76 33.04S–.03 72.11W–.08 20–12 3.5L **¶611149642**
GUC IV 24 08 05 45.6–.79 33.05S 72.11W 20–8 3.5L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=4.2km az=101.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=2.1km s-min=3.8km az=-1.0.
GUC IV 24 11 00 13.3–.76 33.12S 72.05W 19–9 3.7L
SJA IV 24 11 00 06.9–1.1 33.12S 72.42W 14 3.9L,3.7W **¶616345039**
GUC Error ellipse: s-maj=2.1km s-min=7.1km az=-1.0.
SJA Error ellipse: s-maj=3.1km s-min=7.2km az=-1.0.
ISC IV 24 13 17 01.0–1.4 32.96S–.04 72.04W–.06 23–9 58 0-156
IDC IV 24 13 16 58.3–1.4 32.85S 71.92W 0 3.8L,3.6b **¶610649891**
GUC IV 24 13 17 02.3–.90 32.98S 71.96W 27–7 3.8L,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=35.3km s-min=21.0km az=158.0.
GUC Error ellipse: s-maj=2.0km s-min=3.3km az=-1.0.
ISC IV 24 21 38 23.0–1.3 33.06S–.03 72.09W–.04 4–8 4.8b 269 0-84
NEIC IV 24 21 38 24.0–1.2 33.07S–.04 72.12W–.05 10–1 4.8b **¶617153867**
GUC IV 24 21 38 29.5–.87 33.03S 71.65W 21–5 5.1L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=7.2km s-min=6.9km az=317.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=3.5km s-min=4.4km az=-1.0.
ISC IV 24 21 38 29.0–.21 33.06S–.02 72.04W–.03 21–2 6.7s,6.3b 2577 0-179
SJA IV 24 21 38 21.2–.69 33.07S 72.30W 14 6.6W,6.5L **¶610548803**
NEIC IV 24 21 38 25 33.05S 72.04W 12 6.6W,6.5L
NEIC IV 24 21 38 26.2 33.07S 72.05W 25 6.6W,6.5L
MOS IV 24 21 38 26.8–1.1 33.04S 72.01W 10 7.0s,6.2b
VAO IV 24 21 38 26.9–.21 32.95S 71.80W 20 6.1b,6.2b
IDC IV 24 21 38 26.0–.31 32.98S 71.78W 0 6.8s,5.4
BJI IV 24 21 38 28.9–.00 33.03S 71.88W 20 7.2,7.2s
GUC IV 24 21 38 28.6–.93 33.09S 72.12W 24–165 6.8L,7.2s
NEIC IV 24 21 38 29.5 33.04S 72.03W 19 6.8L,7.2s
NEIC IV 24 21 38 30.8–1.5 33.04S–.04 72.06W–.06 28–1 6.9,6.9
UPA IV 24 21 38 32.8–1.9 32.92S 72.18W 25 7.4W,6.9
GCMT IV 24 21 38 36.8–.00 33.13S 72.07W 26–0 6.9W,6.9
NEIC IV 24 21 38 40 33.05S 71.80W 26 6.9W,6.9
NEIC IV 24 21 38 48.8 33.46S 71.79W 30 6.9W,6.9
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s20.98301°,δ40.05878°,λ85.29258°. NP2:
ϕ_s207.12367°,δ50.10354°,λ93.94753°. Principal axes: T Plg84.1255°,Azm145.5233°
; N Plg3.0276°,Azm24.5894°; P Plg5.0295°,Azm294.3227° Moment Tensor Solution. NP1:
ϕ_s166.45236°,δ66.26755°,λ35.65662°. NP2:ϕ_s60.34684°,δ57.74889°,λ151.58286°.
Principal axes: T Plg41.4465°,Azm26.4125°; N Plg48.0573°,Azm195.7442°; P Plg5.3217°
,Azm291.6942°
SJA Error ellipse: s-maj=2.0km s-min=3.3km az=-1.0.
NEIC Event type se.
NEIC Event type se.
MOS Error ellipse: s-maj=11.0km s-min=7.3km az=93.9. Moment Tensor Solution.
Broadband fault plane solution: P waves. NP1:ϕ_s162.00000°,δ59.00000°,λ73.00000°. NP2:
ϕ_s12.00000°,δ35.00000°,λ115.00000°. Principal axes: T Plg71.0000°,Azm34.0000°
; N Plg14.0000°,Azm171.0000°; P Plg12.0000°,Azm264.0000°
VAO Error ellipse: s-maj=2.8km s-min=2.7km az=-1.0.
IDC Error ellipse: s-maj=14.5km s-min=9.8km az=82.0.
GUC Error ellipse: s-maj=2.7km s-min=4.0km az=-1.0.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=6.8km az=274.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{19}Nm; M_{rr}0.70 $M_{\theta\theta}$-0.04 $M_{\phi\phi}$-0.66 $M_{r\theta}$0.14
$M_{\theta\phi}$-0.49 $M_{\phi r}$-0.83 NP1:ϕ_s182.13000°,δ69.90000°,λ65.47000°. NP2:ϕ_s55.16000°,δ31.31000°
,λ138.61000°. Principal axes: T 1.1862,Plg58.0000°,Azm59.0000°; N -0.0007,Plg23.0000°
,Azm191.0000°; P -1.1855,Plg21.0000°,Azm290.0000° $M_0$1.19000$\times10^{19}$
UPA Error ellipse: s-maj=39.5km s-min=148.1km az=-1.0.
GCMT nsta1 refers to body waves, cutoff=50s. nsta2 refers to surface/mantle waves, cutoff=125s.
Triangular moment-rate function. Moment Tensor Solution. s169,c459; s168,c772;
Duration: 6s1 Moment tensor: Scale 10^{19}Nm; M_{rr}1.30±.01 $M_{\theta\theta}$0.04±.00; $M_{\phi\phi}$-1.33±.01;
$M_{r\theta}$0.06±.01; $M_{\theta\phi}$-0.02±.00; $M_{\phi r}$-2.03±.02; Best double couple: NP1:ϕ_s179.00000°,δ74.00000°
,λ89.00000°. NP2:ϕ_s3.00000°,δ16.00000°,λ94.00000°. Principal axes: T 2.4050,Plg61.0000°
,Azm87.0000°; N 0.0380,Plg1.0000°,Azm179.0000°; P -2.4340,Plg29.0000°,Azm270.0000°
$M_0$2.41900$\times10^{19}$
NEIC Event type se. Moment Tensor Solution.Duration: 30s0 Moment tensor: Scale 10^{19}Nm;
M_{rr}1.26 $M_{\theta\theta}$0.01 $M_{\phi\phi}$-1.27 $M_{r\theta}$0.27 $M_{\theta\phi}$0.02 $M_{\phi r}$-2.46 NP1:ϕ_s4.00000°,δ14.00000°,λ99.00000°.
NP2:ϕ_s174.00000°,δ76.00000°,λ88.00000°. Principal axes: T 2.7732,Plg58.0000°
,Azm81.0000°; N 0.0036,Plg2.0000°,Azm175.0000°; P -2.7768,Plg31.0000°,Azm266.0000°
$M_0$2.77000$\times10^{19}$
NEIC Event type se. Moment Tensor Solution.Duration: 14s9 Moment tensor: Scale 10^{19}Nm;
M_{rr}1.46 $M_{\theta\theta}$-0.12 $M_{\phi\phi}$-1.34 $M_{r\theta}$0.44 $M_{\theta\phi}$-0.01 $M_{\phi r}$-1.92 NP1:ϕ_s169.97000°,δ72.44000°
,λ84.38000°. NP2:ϕ_s8.04000°,δ18.41000°,λ107.21000°. Principal axes:
T 2.4977,Plg62.0000°,Azm71.0000°; N -0.1629,Plg5.0000°,Azm172.0000°
; P -2.3348,Plg27.0000°,Azm264.0000° $M_0$2.42000$\times10^{19}$
GUC IV 24 21 40 18.6–.76 33.20S 72.04W 24–17 5.0L
¶616345066
GUC Error ellipse: s-maj=1.7km s-min=4.4km az=-1.0.
ISC IV 24 21 46 04.2–1.3 33.01S–.04 72.02W–.06 24–9 5.2b 75 0-172
NEIC IV 24 21 46 03.6–2.1 32.97S–.04 72.07W–.07 16–4 5.5L,5.2b **¶610548805**
GUC IV 24 21 46 05.4–.61 33.03S 71.98W 26–6 4.4L,5.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=5.2km az=102.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=1.7km s-min=2.7km az=-1.0.
ISC IV 24 21 46 23.7–1.2 32.99S–.03 72.03W–.04 15–7 6.0s,5.4b 352 0-172
IDC IV 24 21 46 21.5–.51 32.98S 71.92W 0 6.1s,5.0 **¶616345068**
GUC IV 24 21 46 24.5–.79 33.03S 72.04W 24–6 5.1L,5.0
NEIC IV 24 21 46 24.1–1.4 32.93S–.04 71.98W–.04 13–3 5.4b,5.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 24 21 51 52.1–1.4 32.93S–.03 72.06W–.07 28–10 50 0-4
NEIC IV 24 21 51 53.8–1.9 32.96S–.01 71.94W–.05 28–10 3.9L **¶611149646**
GUC IV 24 21 51 54.0–.87 32.96S 71.98W 25–10 3.9L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=6.7km s-min=1.1km az=99.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=2.7km s-min=4.9km az=-1.0.
ISC IV 24 21 58 32.7–.73 33.14S–.03 72.01W–.04 25–5 5.0b 199 0-172
IDC IV 24 21 58 29.8–.68 33.15S 71.78W 0 4.6L,4.5 **¶610548806**
MOS IV 24 21 58 29.5–1.4 33.14S 71.99W 15 5.1b,4.5
SJA IV 24 21 58 30.6–1.5 33.17S 72.08W 24–6 4.7W,4.5L
NEIC IV 24 21 58 31.8–1.5 33.14S–.03 72.04W–.05 17–4 5.0b,4.5L
GUC IV 24 21 58 33.7–.73 33.16S 71.94W 28–6 4.5L,4.5L
ISC Event type se.
IDC Error ellipse: s-maj=33.3km s-min=18.8km az=82.0.
MOS Error ellipse: s-maj=15.2km s-min=9.1km az=97.9.
SJA Error ellipse: s-maj=5.7km s-min=10.3km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=6.4km s-min=4.3km az=90.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=1.6km s-min=3.0km az=-1.0.
ISC IV 24 22 09 31.6–1.9 33.09S–.05 72.11W–.08 17–10 27 0-156
IDC IV 24 22 09 30.0–1.8 33.04S 72.05W 0 4.2b,3.9 **¶610649925**
GUC IV 24 22 09 32.5–.97 33.10S 72.08W 20–6 3.7L,3.9
ISC Event type ke.
IDC Error ellipse: s-maj=53.2km s-min=25.6km az=146.0.
GUC Error ellipse: s-maj=2.8km s-min=6.5km az=-1.0.
GUC IV 24 22 13 30.3–.57 33.21S 72.06W 24–16 3.7L
¶616345076
GUC Error ellipse: s-maj=1.2km s-min=4.0km az=-1.0.
ISC IV 24 22 21 54.7–1.4 32.98S–.03 72.22W–.05 10–8 4.8b 184 0-172
IDC IV 24 22 21 54.7–1.0 33.04S 71.93W 0 4.6b,4.5 **¶610649926**
NEIC IV 24 22 21 54.9–1.6 32.98S–.04 72.22W–.04 10–4 4.7b,4.3L
VAO IV 24 22 21 55.3–.34 33.16S 72.20W 22 4.7b,4.3L
SJA IV 24 22 21 56.2–.84 33.18S 71.19W 30–3 4.5W,4.4L
GUC IV 24 22 21 58.7–.73 33.03S 72.02W 20–11 4.3L,4.4L
ISC Event type se.
IDC Error ellipse: s-maj=29.6km s-min=24.6km az=85.0.
NEIC Event type se. Error ellipse: s-maj=6.4km s-min=5.2km az=196.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Error ellipse: s-maj=4.6km s-min=3.7km az=-1.0.
SJA Error ellipse: s-maj=2.1km s-min=3.5km az=-1.0.
GUC Error ellipse: s-maj=2.8km s-min=8.3km az=-1.0.
ISC IV 24 22 50 29.7–1.1 33.13S–.02 72.04W–.04 23–7 4.8b 207 0-165
VAO IV 24 22 50 23.9–.86 33.22S 72.74W 10 4.6b **¶610548815**
IDC IV 24 22 50 26.8–.70 33.07S 71.83W 0 4.3,4.3b
SJA IV 24 22 50 26.3–1.5 33.12S 72.19W 11 4.7L,4.4W
NEIC IV 24 22 50 28.4–1.5 33.11S–.03 72.11W–.05 14–1 4.9b,4.5
GUC IV 24 22 50 30.3–.79 33.11S 72.03W 27–10 4.6L,4.5
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s336.12405°,δ58.39298°,λ84.53085°. NP2:
ϕ_s166.47722°,δ32.02837°,λ98.80409°. Principal axes: T Plg75.9449°,Azm230.0125°
; N Plg4.6559°,Azm338.9967°; P Plg13.2316°,Azm70.0939°
VAO Error ellipse: s-maj=7.6km s-min=7.3km az=-1.0.
IDC Error ellipse: s-maj=24.7km s-min=18.6km az=87.0.
SJA Error ellipse: s-maj=5.3km s-min=5.6km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=6.0km s-min=4.0km az=119.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=1.9km s-min=3.8km az=-1.0.
ISC IV 24 23 15 47.0–1.8 33.19S–.04 72.07W–.07 15–10 28 0-156
IDC IV 24 23 15 45.2–1.8 33.10S 71.90W 0 3.8L,3.6 **¶610649935**
GUC IV 24 23 15 47.7–.93 33.19S 72.07W 18–3 3.7L,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=66.3km s-min=39.0km az=72.0.
GUC Error ellipse: s-maj=2.3km s-min=4.3km az=-1.0.
ISC IV 25 00 02 54.6–2.2 32.99S–.03 72.12W–.06 9–14 4.6b 56 0-84
NEIC IV 25 00 02 56.1–1.0 32.96S–.02 72.10W–.04 17–3 4.5b,3.9L **¶611149654**
GUC IV 25 00 02 57.5–.71 32.97S 72.02W 20–10 3.9L,3.9L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=5.4km s-min=3.2km az=71.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=2.6km s-min=6.9km az=-1.0.

ISC IV 25 00 17 35.0–.79 33.12S–.02 72.12W–.03 19–3 4.8b 273 0-172
IDC IV 25 00 17 32.7–.55 33.11S 71.85W 0 4.5b,4.4 **¶610548824**
SJA IV 25 00 17 32.0–.74 33.16S 72.25W 24–3 4.9L,4.8W
VAO IV 25 00 17 35.0–.33 33.13S 72.11W 20 4.8b,4.8W
NEIC IV 25 00 17 35.3–2.0 33.155S–.01 72.14W–.05 20–4 4.9b,4.6L
GUC IV 25 00 17 36.7–.63 33.17S 72.04W 24–5 4.6L,4.6L
NEIC IV 25 00 17 36 33.17S 72.04W 24 4.6L,4.6L
ISC Event type se.
IDC Error ellipse: s-maj=20.8km s-min=14.4km az=77.0.
SJA Error ellipse: s-maj=2.2km s-min=7.0km az=-1.0.
VAO Error ellipse: s-maj=3.1km s-min=3.6km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=6.2km s-min=0.9km az=85.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}4.67 $M_{\theta\theta}$0.20 $M_{\phi\phi}$-4.87 $M_{r\theta}$1.76 $M_{\theta\phi}$1.19
$M_{\phi r}$-5.40 NP1:ϕ_s163.14000°,δ69.64000°,λ86.69000°. NP2:ϕ_s352.57000°,δ20.61000°
,λ98.84000°. Principal axes: T 7.2915,Plg65.0000°,Azm68.0000°; N 0.4351,Plg3.0000°
,Azm164.0000°; P -7.7266,Plg25.0000°,Azm256.0000° $M_0$7.52000×10^{15}
GUC Error ellipse: s-maj=1.5km s-min=2.6km az=-1.0.
NEIC Event type se.
ISC IV 25 01 14 07.2–1.6 33.02S–.04 72.05W–.07 28–9 50 0-5
SJA IV 25 01 14 05.1–1.8 32.98S 72.10W 26–5 3.9W,3.7L **¶616345105**
GUC IV 25 01 14 08.1–.66 33.00S 72.02W 25–4 3.8L,3.7L
ISC Event type ke.
SJA Error ellipse: s-maj=4.1km s-min=6.2km az=-1.0.
GUC Error ellipse: s-maj=1.8km s-min=3.0km az=-1.0.
ISC IV 25 01 33 13.5–1.3 33.15S–.03 72.15W–.04 15–7 4.6b 158 0-172
IDC IV 25 01 33 11.2–.77 33.07S 72.12W 0 4.4s,4.3b **¶610649948**
SJA IV 25 01 33 11.4–2.0 33.14S 72.20W 10–15 4.5L,4.2W
NEIC IV 25 01 33 14.8 33.17S 72.07W 21 4.5L,4.2W
VAO IV 25 01 33 14.3–.62 33.19S 72.16W 19 4.4b,4.2W
NEIC IV 25 01 33 14.5–1.4 33.16S–.03 72.09W–.02 20–4 4.7,4.7
GUC IV 25 01 33 15.6–.51 33.17S 72.04W 25–13 4.5L,4.7
ISC Event type se.
IDC Error ellipse: s-maj=26.7km s-min=18.8km az=101.0.
SJA Error ellipse: s-maj=6.2km s-min=9.2km az=-1.0.
NEIC Event type se.
VAO Error ellipse: s-maj=5.0km s-min=6.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=4.1km s-min=2.0km az=203.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.84 $M_{\theta\theta}$0.07 $M_{\phi\phi}$-0.92 $M_{r\theta}$0.29 $M_{\theta\phi}$-0.03
$M_{\phi r}$-1.04 NP1:ϕ_s168.05000°,δ70.81000°,λ80.30000°. NP2:ϕ_s15.53000°,δ21.41000°
,λ115.83000°. Principal axes: T 1.3855,Plg63.0000°,Azm63.0000°; N 0.0229,Plg9.0000°
,Azm171.0000°; P -1.4085,Plg25.0000°,Azm266.0000° $M_0$1.40000×10^{16}
GUC Error ellipse: s-maj=1.2km s-min=3.1km az=-1.0.
ISC IV 25 01 43 03.2–.55 33.16S–.02 72.06W–.03 19–2 5.3b,4.9s 730 0-179
IDC IV 25 01 42 59.9–.44 33.15S 71.92W 0 4.8s,4.8b **¶616345109**
MOS IV 25 01 43 01.1–1.3 33.14S 71.88W 10 5.5b,4.8b
VAO IV 25 01 43 01.9–.32 33.10S 72.07W 10 5.2b,4.8b
SJA IV 25 01 43 01.6–1.4 33.21S 72.02W 6–6 5.1L,4.8W
NEIC IV 25 01 43 03 33.26S 71.97W 26 5.1L,4.8W
GUC IV 25 01 43 03.3–.71 33.16S 72.09W 24–11 5.1L,4.8W
GCMT IV 25 01 43 03.0–.40 33.35S–.03 72.31W–.03 31–1 5.5W,4.8W
NEIC IV 25 01 43 03 33.16S 72.09W 26 5.5W,4.8W
NEIC IV 25 01 43 03 33.16S 72.09W 24 5.5W,4.8W
NEIC IV 25 01 43 04.0–1.3 33.14S–.03 72.03W–.02 21–3 5.3b,5.2
ISC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2s1 Moment tensor: Scale 10^{16}Nm;
M_{rr}6.02 $M_{\theta\theta}$1.99 $M_{\phi\phi}$-8.01 $M_{r\theta}$0.41 $M_{\theta\phi}$-0.95 $M_{\phi r}$-5.83 NP1:ϕ_s177.71000°,δ65.09000°
,λ81.90000°. NP2:ϕ_s16.39000°,δ26.12000°,λ106.89000°. Principal axes:
T 8.2115,Plg69.0000°,Azm72.0000°; N 1.9517,Plg7.0000°,Azm181.0000°
; P -10.1633,Plg20.0000°,Azm274.0000° $M_0$9.19000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function. Moment Tensor Solution. s41,c45; s86,c99;Duration: 1s3
Moment tensor: Scale 10^{17}Nm; M_{rr}1.53±.11 $M_{\theta\theta}$-0.17±.06; $M_{\phi\phi}$-1.37±.07; $M_{r\theta}$0.19±.08;
$M_{\theta\phi}$-0.18±.03; $M_{\phi r}$-1.39±.09; Best double couple: NP1:ϕ_s178.00000°,δ67.00000°,λ83.00000°.
NP2:ϕ_s16.00000°,δ24.00000°,λ107.00000°. Principal axes: T 2.1150,Plg67.0000°
,Azm74.0000°; N -0.1850,Plg7.0000°,Azm181.0000°; P -1.9340,Plg22.0000°,Azm274.0000°
$M_0$2.02500×10^{17}
NEIC Event type se.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}3.27 $M_{\theta\theta}$0.10 $M_{\phi\phi}$-3.37 $M_{r\theta}$0.63 $M_{\theta\phi}$-0.12
$M_{\phi r}$-4.53 NP1:ϕ_s173.96000°,δ72.12000°,λ84.86000°. NP2:ϕ_s10.29000°,δ18.58000°
,λ105.52000°. Principal axes: T 5.6375,Plg63.0000°,Azm76.0000°; N 0.0351,Plg5.0000°
,Azm176.0000°; P -5.6726,Plg27.0000°,Azm268.0000° $M_0$5.66000×10^{16}
ISC IV 25 01 54 28.4–1.5 33.10S–.03 72.19W–.05 10–9 4.4b 65 0-165
SJA IV 25 01 54 25.8–.53 33.04S 72.34W 11 3.9W,3.9L **¶610649949**
IDC IV 25 01 54 25.7–1.2 32.94S 72.58W 0 4.3b,4.0s
GUC IV 25 01 54 30.9–.76 33.09S 72.07W 17–3 3.8L,4.0s
ISC Event type ke.
SJA Error ellipse: s-maj=1.3km s-min=3.8km az=-1.0.
IDC Error ellipse: s-maj=35.9km s-min=19.5km az=110.0.
GUC Error ellipse: s-maj=1.9km s-min=3.3km az=-1.0.
ISC IV 25 02 09 34.0–1.3 33.02S–.02 72.06W–.05 16–8 63 0-5
SJA IV 25 02 09 30.2–.68 32.96S 72.27W 13–4 3.8L,3.7W **¶616345115**
GUC IV 25 02 09 36.3–.81 33.04S 71.95W 20–10 3.5L,3.7W
ISC Event type ke.
SJA Error ellipse: s-maj=1.8km s-min=6.7km az=-1.0.
GUC Error ellipse: s-maj=2.3km s-min=7.0km az=-1.0.
ISC IV 25 03 02 23.5–1.1 33.14S–.02 72.05W–.04 25–7 4.8b,4.1s 248 0-165
IDC IV 25 03 02 20.0–.59 33.05S 71.94W 0 4.4b,4.3 **¶611149659**
SJA IV 25 03 02 20.0–1.4 33.16S 72.14W 11–8 4.8L,4.3W
NEIC IV 25 03 02 21.5 33.15S 72.22W 18 4.8L,4.3W
NEIC IV 25 03 02 22.4–1.7 33.13S–.03 72.16W–.05 20–3 4.9L,4.9b
GUC IV 25 03 02 23.5–.66 33.16S 72.08W 26–11 4.9L,4.9b
VAO IV 25 03 02 28.2–.30 33.17S 71.89W 70 4.6b,4.9b
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s144.06462°,δ80.09200°,λ74.83004°. NP2:
ϕ_s21.66436°,δ18.05511°,λ146.27713°. Principal axes: T Plg52.5569°,Azm36.3454°
; N Plg14.9384°,Azm146.7357°; P Plg33.4095°,Azm246.8716° Moment Tensor Solution.
NP1:ϕ_s192.50882°,δ41.90359°,λ92.63832°. NP2:ϕ_s8.96599°,δ48.15089°,λ87.63465°.
Principal axes: T Plg86.4116°,Azm251.1731°; N Plg1.7617°,Azm10.5446°; P Plg3.1251°
,Azm100.6408°
IDC Error ellipse: s-maj=16.8km s-min=14.2km az=115.0.
SJA Error ellipse: s-maj=6.6km s-min=10.7km az=-1.0.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=6.0km s-min=4.6km az=90.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}7.00 $M_{\theta\theta}$1.39 $M_{\phi\phi}$-8.39 $M_{r\theta}$2.00 $M_{\theta\phi}$0.86
$M_{\phi r}$-4.40 NP1:ϕ_s163.34000°,δ61.36000°,λ77.12000°. NP2:ϕ_s8.83000°,δ31.18000°
,λ112.20000°. Principal axes: T 8.5795,Plg71.0000°,Azm45.0000°; N 1.1420,Plg11.0000°
,Azm170.0000°; P -9.7215,Plg15.0000°,Azm263.0000° $M_0$9.20000×10^{15}
GUC Error ellipse: s-maj=1.6km s-min=2.5km az=-1.0.
VAO Error ellipse: s-maj=3.5km s-min=3.3km az=-1.0.
ISC IV 25 03 10 28.8–1.4 33.01S–.03 72.05W–.05 18–5 60 0-5
SJA IV 25 03 10 27.8–1.1 33.04S 72.06W 18–13 3.6L,3.5W **¶616345130**
GUC IV 25 03 10 31.1–.80 33.03S 71.99W 20–5 3.6L,3.5W
ISC Event type ke.
SJA Error ellipse: s-maj=6.0km s-min=9.0km az=-1.0.
GUC Error ellipse: s-maj=2.1km s-min=5.4km az=-1.0.
ISC IV 25 03 27 10.6–1.6 33.02S–.03 72.20W–.08 19–4 45 1-5
SJA IV 25 03 27 07.1–1.7 33.01S 72.34W 10 3.7L,3.4W **¶616345141**
GUC IV 25 03 27 13.5–.65 33.04S 72.08W 27 3.6L,3.4W
ISC Event type ke.
SJA Error ellipse: s-maj=5.5km s-min=11.9km az=-1.0.
GUC Error ellipse: s-maj=1.9km s-min=2.8km az=-1.0.
GUC IV 25 04 12 12.4–.76 33.19S 72.04W 24–26 2.8L
¶616345159
GUC Error ellipse: s-maj=1.9km s-min=7.5km az=-1.0.
ISC IV 25 05 56 25.6–1.4 32.91S–.02 72.28W–.04 8–8 4.2b,3.6s 152 1-156
SJA IV 25 05 56 21.2–.58 32.88S 72.57W 7 4.3L,4.0W **¶611149662**
IDC IV 25 05 56 24.9–.72 32.84S 71.97W 0 4.0,4.0b
NEIC IV 25 05 56 25.9–1.2 32.92S–.03 72.33W–.02 16–4 4.4L,4.2
GUC IV 25 05 56 26.9–.83 32.93S 72.28W 34–3 4.4L,4.2
NEIC IV 25 05 56 27.3 32.91S 72.26W 24 4.4L,4.2
VAO IV 25 05 57 10.1–2.8 31.62S 70.49W 321–18 4.0b,4.2
ISC Event type se.
SJA Error ellipse: s-maj=2.1km s-min=3.9km az=-1.0.
IDC Error ellipse: s-maj=23.9km s-min=18.8km az=120.0.
NEIC Event type se. Error ellipse: s-maj=4.5km s-min=2.0km az=188.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}1.22 $M_{\theta\theta}$0.13 $M_{\phi\phi}$-1.35 $M_{r\theta}$0.40 $M_{\theta\phi}$-0.39
$M_{\phi r}$-1.80 NP1:ϕ_s172.65000°,δ73.16000°,λ75.18000°. NP2:ϕ_s35.06000°,δ22.29000°
,λ130.20000°. Principal axes: T 2.2829,Plg59.0000°,Azm62.0000°; N 0.0063,Plg14.0000°
,Azm177.0000°; P -2.2891,Plg27.0000°,Azm274.0000° $M_0$2.29000×10^{15}
GUC Error ellipse: s-maj=2.8km s-min=3.4km az=-1.0.
NEIC Event type se.
VAO Error ellipse: s-maj=15.4km s-min=18.1km az=-1.0.
ISC IV 25 07 32 23.0–1.9 33.08S–.05 72.06W–.06 7–11 42 0-156
IDC IV 25 07 32 22.3–1.6 33.04S 71.97W 0 3.8b,3.7 **¶610649961**
GUC IV 25 07 32 24.3–.81 33.11S 72.10W 18–3 3.8L,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=47.7km s-min=33.0km az=79.0.
GUC Error ellipse: s-maj=2.0km s-min=3.4km az=-1.0.
ISC IV 25 08 15 16.5–1.3 33.00S–.03 72.04W–.05 16–7 4.1b 71 0-156
SJA IV 25 08 15 14.4–.76 32.92S 72.03W 27–3 4.2W,4.0L **¶610649966**
IDC IV 25 08 15 14.0–.88 32.97S 72.06W 0 4.0b,3.9
GUC IV 25 08 15 17.7–.76 32.97S 71.98W 20–9 3.8L,3.9
ISC Event type ke.
SJA Error ellipse: s-maj=2.1km s-min=5.4km az=-1.0.
IDC Error ellipse: s-maj=30.6km s-min=20.3km az=115.0.
GUC Error ellipse: s-maj=2.5km s-min=6.6km az=-1.0.
ISC IV 25 08 23 55.1–1.7 33.23S–.04 72.07W–.08 15–7 47 0-7
SJA IV 25 08 23 42.0–.44 33.73S 72.83W 4–12 3.8L,3.3W **¶616345197**
GUC IV 25 08 23 59.2–.82 33.18S 71.89W 26–7 3.3L,3.3W
ISC Event type ke.
SJA Error ellipse: s-maj=11.7km s-min=14.4km az=-1.0.
GUC Error ellipse: s-maj=1.7km s-min=3.0km az=-1.0.
ISC IV 25 08 29 04.8–1.3 33.12S–.02 72.12W–.04 15–8 4.3b,3.5s 114 0-156
SJA IV 25 08 28 54.1–.38 32.72S 72.90W 10 4.3L,3.9W **¶616345201**
IDC IV 25 08 29 02.9–.85 33.09S 72.10W 0 4.3b,4.0
NEIC IV 25 08 29 04.7–1.1 33.12S–.01 72.21W–.05 18–3 4.4b,4.2L
NEIC IV 25 08 29 05.3 33.11S 72.18W 20 4.4b,4.2L
GUC IV 25 08 29 06.6–.86 33.15S 72.09W 32–8 4.2L,4.2L
ISC Event type se.
SJA Error ellipse: s-maj=3.0km s-min=5.4km az=-1.0.
IDC Error ellipse: s-maj=23.6km s-min=16.5km az=116.0.
NEIC Event type se. Error ellipse: s-maj=5.6km s-min=0.9km az=104.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}1.32 $M_{\theta\theta}$-0.18 $M_{\phi\phi}$-1.15 $M_{r\theta}$0.19
$M_{\theta\phi}$-0.00 $M_{\phi r}$-0.38 NP1:ϕ_s172.61000°,δ54.00000°,λ81.77000°. NP2:ϕ_s6.43000°,δ36.81000°
,λ101.14000°. Principal axes: T 1.4045,Plg79.0000°,Azm50.0000°; N -0.2007,Plg7.0000°
,Azm177.0000°; P -1.2037,Plg9.0000°,Azm268.0000° $M_0$1.32000×10^{15}
NEIC Event type se.
GUC Error ellipse: s-maj=2.0km s-min=3.2km az=-1.0.
ISC IV 25 09 33 30.7–.60 33.05S–.03 72.03W–.04 22–4 4.5b,3.9s 170 0-172
SJA IV 25 09 33 26.8–2.1 33.14S 72.26W 19–9 4.5L,4.4W **¶610649976**
IDC IV 25 09 33 29.2–.95 33.02S 71.73W 0 4.2b,4.0
NEIC IV 25 09 33 31.0–1.5 33.10S–.02 72.03W–.05 25–5 4.6b,4.3
NEIC IV 25 09 33 31.5 33.11S 72.01W 25 4.6b,4.3
GUC IV 25 09 33 31.7–.78 33.10S 72.00W 28–7 4.3L,4.3
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s147.33504°,δ72.25036°,λ69.69952°. NP2:
ϕ_s17.84248°,δ26.71668°,λ137.30487°. Principal axes: T Plg57.9067°,Azm29.8351°
; N Plg19.2948°,Azm153.7693°; P Plg24.5854°,Azm252.9865°
SJA Error ellipse: s-maj=6.2km s-min=14.0km az=-1.0.
IDC Error ellipse: s-maj=33.7km s-min=19.5km az=104.0.
NEIC Event type se. Error ellipse: s-maj=6.4km s-min=2.5km az=77.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}1.74 $M_{\theta\theta}$1.81 $M_{\phi\phi}$-1.81 $M_{r\theta}$0.37 $M_{\theta\phi}$0.10
$M_{\phi r}$-3.12 NP1:ϕ_s173.74000°,δ75.25000°,λ88.27000°. NP2:ϕ_s0.51000°,δ14.85000°
,λ96.54000°. Principal axes: T 3.5789,Plg60.0000°,Azm81.0000°; N 0.0671,Plg2.0000°
,Azm174.0000°; P -3.6460,Plg30.0000°,Azm265.0000° $M_0$3.61000×10^{15}
NEIC Event type se.
GUC Error ellipse: s-maj=1.7km s-min=2.8km az=-1.0.
ISC IV 25 10 20 21.8–1.4 32.91S–.04 72.11W–.05 17–8 4.4b 109 0-156
IDC IV 25 10 20 20.2–.82 32.92S 71.90W 0 4.1b,4.0 **¶611149670**
NEIC IV 25 10 20 21.9–1.5 32.90S–.03 72.20W–.06 17–4 4.4b,4.3L
NEIC IV 25 10 20 22.8 32.91S 72.14W 22 4.4b,4.3L
GUC IV 25 10 20 23.3–.80 32.92S 72.11W 20–13 4.3L,4.3L
ISC Event type se.
IDC Error ellipse: s-maj=25.3km s-min=16.9km az=133.0.
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=4.3km az=79.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}1.20 $M_{\theta\theta}$0.04 $M_{\phi\phi}$-1.24 $M_{r\theta}$-0.00
$M_{\theta\phi}$-0.42 $M_{\phi r}$-1.49 NP1:ϕ_s183.78000°,δ70.05000°,λ79.81000°. NP2:ϕ_s31.55000°,δ22.30000°
,λ115.98000°. Principal axes: T 1.9157,Plg64.0000°,Azm77.0000°; N 0.0995,Plg10.0000°
,Azm187.0000°; P -2.0152,Plg24.0000°,Azm282.0000° $M_0$1.97000×10^{15}
NEIC Event type se.
GUC Error ellipse: s-maj=3.6km s-min=9.6km az=-1.0.
ISC IV 25 10 24 33.4–1.3 32.86S–.02 72.18W–.04 8–8 4.3b 135 0-156
SJA IV 25 10 24 32.0–.42 32.97S 72.34W 12 4.4L,4.2W **¶610649980**
IDC IV 25 10 24 33.0–.87 32.88S 71.90W 0 4.0b,4.0L
NEIC IV 25 10 24 34.6–.92 32.91S–.03 72.18W–.04 17–4 4.3b,4.2
NEIC IV 25 10 24 34.7 32.93S 72.18W 18 4.3b,4.2
GUC IV 25 10 24 35.4–.81 32.90S 72.14W 20–7 4.0L,4.2
ISC Event type se.
SJA Error ellipse: s-maj=2.5km s-min=2.6km az=-1.0.
IDC Error ellipse: s-maj=28.5km s-min=20.9km az=109.0.
NEIC Event type se. Error ellipse: s-maj=5.5km s-min=4.2km az=94.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}1.52 $M_{\theta\theta}$0.04 $M_{\phi\phi}$-1.57 $M_{r\theta}$-0.13
$M_{\theta\phi}$-0.16 $M_{\phi r}$-1.42 NP1:ϕ_s185.26000°,δ66.27000°,λ89.71000°. NP2:ϕ_s5.98000°,δ23.73000°
,λ90.66000°. Principal axes: T 2.0794,Plg69.0000°,Azm95.0000°; N 0.0602,Plg0.0000°
,Azm185.0000°; P -2.1395,Plg21.0000°,Azm275.0000° $M_0$2.11000×10^{15}
NEIC Event type se.
GUC Error ellipse: s-maj=1.8km s-min=5.6km az=-1.0.
ISC IV 25 10 28 23.3–3.2 31.70S–.03 72.07W–.09 13–20 35 1-152
IDC IV 25 10 28 21.6–1.4 31.84S 71.90W 0 4.0b,3.7 **¶610649982**
GUC IV 25 10 28 24.5–.73 31.68S 71.91W 40–4 3.8L,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=46.1km s-min=22.7km az=178.0.
GUC Error ellipse: s-maj=1.5km s-min=4.2km az=-1.0.
ISC IV 25 10 55 11.6–1.7 33.27S–.04 72.11W–.08 19 52 0-7
SJA IV 25 10 55 08.0–5.5 33.53S 72.54W 50–107 4.3W,3.9L **¶616345219**
GUC IV 25 10 55 15.0–.81 33.20S 71.90W 20–8 3.7L,3.9L
ISC Event type ke.
SJA Error ellipse: s-maj=42.0km s-min=47.3km az=-1.0.
GUC Error ellipse: s-maj=1.6km s-min=3.0km az=-1.0.
ISC IV 25 11 15 02.4–1.9 33.08S–.05 72.18W–.09 22–12 34 0-84
IDC IV 25 11 14 59.9–1.7 32.96S 72.03W 0 3.8L,3.4 **¶610649983**
GUC IV 25 11 15 01.5–.74 33.11S 72.27W 24–38 3.7L,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=35.0km s-min=23.1km az=156.0.
GUC Error ellipse: s-maj=2.4km s-min=10.4km az=-1.0.

ISC IV 25 11 22 00.1–1.4 33.02S–.03 72.26W–.05 8–9 4.1b 115 1-69
IDC IV 25 11 21 60.0–2.0 33.01S 72.41W 0 4.0L,3.6 **¶610649985**
SJA IV 25 11 22 00.1–.75 33.05S 72.20W 27–4 4.0L,3.9W
NEIC IV 25 11 22 00.5 33.01S 72.24W 10 4.0L,3.9W
NEIC IV 25 11 22 01.7–1.5 32.97S–.03 72.16W–.07 17–5 4.1b,4.0
GUC IV 25 11 22 02.0–.77 33.03S 72.20W 20–7 3.9L,4.0
ISC Event type se.
IDC Error ellipse: s-maj=38.4km s-min=32.2km az=100.0.
SJA Error ellipse: s-maj=4.5km s-min=7.2km az=-1.0.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=8.5km s-min=4.9km az=92.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; Mrr0.68 Mθθ0.16 Mϕϕ-0.84 Mrθ0.24 Mθϕ-0.13 Mϕr-0.82 NP1:ϕs28.69000°,δ25.22000°,λ126.87000°. NP2:ϕs169.04000°,δ70.07000° ,λ74.22000°. Principal axes: T 1.1132,Plg62.0000°,Azm55.0000°; N 0.0855,Plg15.0000° ,Azm175.0000°; P -1.1987,Plg23.0000°,Azm271.0000° M0 1.16000×10^{15}
GUC Error ellipse: s-maj=2.0km s-min=3.3km az=-1.0.
ISC IV 25 11 24 09.5–1.4 33.13S–.03 72.27W–.05 15–8 4.1b 106 1-156
IDC IV 25 11 24 08.0–1.5 33.13S 72.28W 0 3.9,3.8b **¶611149675**
NEIC IV 25 11 24 09.7 33.12S 72.28W 18 3.9,3.8b
NEIC IV 25 11 24 10.0–1.4 33.11S–.01 72.24W–.06 18–4 4.1,4.0b
GUC IV 25 11 24 10.3–.80 33.12S 72.25W 20–28 3.9L,4.0b
ISC Event type se.
IDC Error ellipse: s-maj=40.7km s-min=29.7km az=95.0.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=6.8km s-min=1.6km az=94.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; Mrr1.23 Mθθ0.05 Mϕϕ-1.28 Mrθ0.34 Mθϕ0.06 Mϕr-1.01 NP1:ϕs167.09000°,δ65.31000°,λ80.91000°. NP2:ϕs8.04000°,δ26.21000° ,λ108.96000°. Principal axes: T 1.6428,Plg68.0000°,Azm59.0000°; N 0.0131,Plg8.0000° ,Azm171.0000°; P -1.6559,Plg20.0000°,Azm264.0000° M0 1.65000×10^{15}
GUC Error ellipse: s-maj=2.0km s-min=3.1km az=-1.0.
ISC IV 25 12 13 24.4–.88 33.13S–.02 72.14W–.04 23–6 4.8b,4.3s 286 0-172
SJA IV 25 12 13 21.2–.78 33.16S 72.26W 12–5 4.8L,4.6W **¶611149677**
VAO IV 25 12 13 22.6–.28 33.22S 72.27W 18 4.7b,4.6W
NEIC IV 25 12 13 22.8–2.1 33.12S–.03 72.21W–.05 16–3 4.8b,4.7
IDC IV 25 12 13 22.1–.52 33.13S 71.95W 0 4.5b,4.4
GUC IV 25 12 13 23.6–.73 33.13S 72.23W 32–5 4.6L,4.4
NEIC IV 25 12 13 23.2 33.13S 72.20W 18 4.6L,4.4
ISC Event type se. Moment Tensor Solution. NP1:ϕs39.17122°,δ25.15262°,λ141.18158°. NP2: ϕs165.23563°,δ74.54791°,λ69.90510°. Principal axes: T Plg55.9403°,Azm49.5275° ; N Plg19.3390°,Azm170.8029°; P Plg26.8504°,Azm271.0369° Moment Tensor Solution. NP1:ϕs350.49332°,δ24.93460°,λ65.61970°. NP2:ϕs197.04881°,δ67.41901°,λ100.86380°. Principal axes: T Plg65.8838°,Azm126.0856°; N Plg10.0220°,Azm12.8341°; P Plg21.6956° ,Azm278.8023°
SJA Error ellipse: s-maj=2.7km s-min=5.6km az=-1.0.
VAO Error ellipse: s-maj=3.6km s-min=3.5km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=5.7km s-min=4.7km az=80.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; Mrr0.91 Mθθ-0.03 Mϕϕ-0.88 Mrθ0.24 Mθϕ0.06 Mϕr-0.90 NP1:ϕs168.18000°,δ68.04000°,λ84.16000°. NP2:ϕs3.49000°,δ22.68000° ,λ104.18000°. Principal axes: T 1.3137,Plg66.0000°,Azm68.0000°; N -0.0411,Plg5.0000° ,Azm170.0000°; P -1.2726,Plg23.0000°,Azm263.0000° M0 1.29000×10^{16}
IDC Error ellipse: s-maj=18.3km s-min=13.2km az=111.0.
GUC Error ellipse: s-maj=1.8km s-min=2.5km az=-1.0.
NEIC Event type se.
ISC IV 25 12 37 35.7–1.6 33.03S–.03 72.25W–.05 13–9 74 1-156
IDC IV 25 12 37 34.8–1.3 33.03S 72.01W 0 4.1b,4.0 **¶610649987**
SJA IV 25 12 37 34.8–.63 33.03S 72.26W 30–2 4.2W,4.0L
GUC IV 25 12 37 37.5–.68 33.03S 72.17W 21–2 3.8L,4.0L
ISC Event type ke.
IDC Error ellipse: s-maj=33.9km s-min=18.2km az=128.0.
SJA Error ellipse: s-maj=1.4km s-min=5.3km az=-1.0.
GUC Error ellipse: s-maj=1.8km s-min=2.9km az=-1.0.
ISC IV 25 13 17 39.6–1.4 33.03S–.03 72.24W–.05 17–9 79 0-153
IDC IV 25 13 17 36.7–2.3 32.92S 72.04W 0 3.7b,3.7L **¶610649990**
SJA IV 25 13 17 38.7–.75 33.03S 72.26W 31–3 4.2W,3.9L
GUC IV 25 13 17 41.9–.89 33.02S 72.12W 25–29 3.7L,3.9L
ISC Event type ke.
IDC Error ellipse: s-maj=49.4km s-min=32.1km az=106.0.
SJA Error ellipse: s-maj=1.8km s-min=5.5km az=-1.0.
GUC Error ellipse: s-maj=2.8km s-min=7.3km az=-1.0.
SJA IV 25 14 25 21.8–.67 29.96S 72.26W 14–4 3.8W,3.4L
¶616617866
SJA Error ellipse: s-maj=2.2km s-min=5.5km az=-1.0.
ISC IV 25 14 26 34.3–1.4 33.15S–.03 72.14W–.04 12–8 4.3b 88 0-156
IDC IV 25 14 26 33.0–1.1 33.11S 71.88W 0 3.9,3.9b **¶610649997**
NEIC IV 25 14 26 34.6–1.6 33.16S–.04 72.14W–.07 15–4 4.3b,4.2
NEIC IV 25 14 26 34.4 33.17S 72.15W 14 4.3b,4.2
GUC IV 25 14 26 35.9–.67 33.17S 72.10W 20–2 4.2L,4.2
ISC Event type se.
IDC Error ellipse: s-maj=25.7km s-min=19.6km az=129.0.
NEIC Event type se. Error ellipse: s-maj=8.6km s-min=6.4km az=94.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; Mrr1.98 Mθθ-0.08 Mϕϕ-1.90 Mrθ0.08 Mθϕ0.56 Mϕr-1.60 NP1:ϕs172.17000°,δ64.30000°,λ97.27000°. NP2:ϕs335.76000°,δ26.64000° ,λ75.26000°. Principal axes: T 2.5606,Plg70.0000°,Azm97.0000°; N 0.0381,Plg7.0000° ,Azm349.0000°; P -2.5988,Plg19.0000°,Azm257.0000° M0 2.58000×10^{15}
NEIC Event type se.
GUC Error ellipse: s-maj=1.6km s-min=3.0km az=-1.0.
GUC IV 25 15 00 25.3–.95 33.16S 72.18W 26–23 3.6L
SJA IV 25 15 00 22.3–.74 33.16S 72.25W 13–3 3.5W,3.5L **¶616345253**
GUC Error ellipse: s-maj=2.2km s-min=3.1km az=-1.0.
SJA Error ellipse: s-maj=1.8km s-min=3.5km az=-1.0.
ISC IV 25 15 32 08.1–1.3 33.10S–.02 72.16W–.05 23–10 4.2b 119 0-156
SJA IV 25 15 32 03.7–.70 33.09S 72.32W 15 4.1W,4.1L **¶610650000**
IDC IV 25 15 32 06.1–1.1 33.08S 71.98W 0 3.9b,3.9L
NEIC IV 25 15 32 07.3–1.2 33.09S–.04 72.20W–.10 27–14 4.2L,3.6b
GUC IV 25 15 32 08.4–.81 33.12S 72.11W 30–3 4.2L,3.6b
ISC Event type se.
SJA Error ellipse: s-maj=1.8km s-min=2.5km az=-1.0.
IDC Error ellipse: s-maj=28.1km s-min=18.4km az=130.0.
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=5.9km az=97.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=1.9km s-min=3.0km az=-1.0.
ISC IV 25 16 15 03.8–1.9 33.05S–.05 72.09W–.08 24–12 33 0-156
GUC IV 25 16 15 03.3–.93 33.08S 72.04W 25–7 3.9L **¶610650003**
IDC IV 25 16 15 05.1–1.6 33.15S 70.54W 0 3.8b,3.8L
ISC Event type ke.
GUC Error ellipse: s-maj=2.4km s-min=4.6km az=-1.0.
IDC Error ellipse: s-maj=45.5km s-min=33.6km az=88.0.
ISC IV 25 16 38 51.7–2.3 33.05S–.04 72.21W–.06 14–14 4.2b 86 0-156
VAO IV 25 16 38 48.5–.44 33.36S 72.33W 10 4.1b **¶610650005**
IDC IV 25 16 38 50.7–1.3 33.09S 72.08W 0 3.8,3.8b
NEIC IV 25 16 38 50.7–1.4 33.05S–.03 72.23W–.04 10–2 4.1b,3.9L
GUC IV 25 16 38 53.4–.84 33.07S 72.18W 29–28 3.9L,3.9L
ISC Event type se.
VAO Error ellipse: s-maj=7.4km s-min=5.9km az=-1.0.
IDC Error ellipse: s-maj=30.4km s-min=21.4km az=151.0.
NEIC Event type se. Error ellipse: s-maj=7.2km s-min=3.6km az=135.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=2.3km s-min=3.8km az=-1.0.
ISC IV 25 16 48 34.6–1.7 33.29S–.03 72.03W–.04 14–10 4.6b,3.8s 144 0-171
IDC IV 25 16 48 32.8–1.1 33.27S 71.75W 0 4.1b,4.0 **¶610650006**
VAO IV 25 16 48 34.9–.36 33.35S 72.02W 18 4.4b,4.0
NEIC IV 25 16 48 35.6–1.1 33.29S–.02 72.02W–.06 19–4 4.5b,4.2L
NEIC IV 25 16 48 36 33.31S 72.01W 18 4.5b,4.2L
GUC IV 25 16 48 36.2–.70 33.31S 72.01W 18–10 4.2L,4.2L
ISC Event type se. Moment Tensor Solution. NP1:ϕs358.00259°,δ25.68890°,λ109.75593°. NP2: ϕs156.27307°,δ65.92262°,λ80.76484°. Principal axes: T Plg67.7735°,Azm48.8154° ; N Plg8.4255°,Azm160.0681°; P Plg20.4102°,Azm253.2277°
IDC Error ellipse: s-maj=23.8km s-min=18.4km az=133.0.
VAO Error ellipse: s-maj=5.0km s-min=4.6km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=7.0km s-min=2.3km az=78.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; Mrr1.17 Mθθ0.08 Mϕϕ-1.25 Mrθ0.78 Mθϕ0.32 Mϕr-1.32 NP1:ϕs153.34000°,δ70.91000°,λ79.55000°. NP2:ϕs2.77000°,δ21.67000° ,λ117.66000°. Principal axes: T 1.9453,Plg63.0000°,Azm47.0000°; N 0.0727,Plg10.0000° ,Azm157.0000°; P -2.0180,Plg25.0000°,Azm251.0000° M0 1.98000×10^{15}
NEIC Event type se.
GUC Error ellipse: s-maj=1.4km s-min=7.4km az=-1.0.
ISC IV 25 20 40 34.7–1.8 33.13S–.04 72.20W–.08 25–12 3.4s 48 0-147
IDC IV 25 20 40 33.4–3.1 33.16S 71.78W 0 4.2b,3.9 **¶610650012**
GUC IV 25 20 40 35.1–.87 33.12S 72.19W 31–8 3.6L,3.9
ISC Event type ke.
IDC Error ellipse: s-maj=100.4km s-min=35.4km az=99.0.
GUC Error ellipse: s-maj=2.1km s-min=3.1km az=-1.0.
ISC IV 25 20 57 51.2–1.4 33.14S–.02 72.25W–.04 7–8 4.3b 138 1-126
SJA IV 25 20 57 47.8–.69 33.14S 72.43W 8–3 4.0L,3.8W **¶610650015**
IDC IV 25 20 57 50.7–1.5 33.11S 72.17W 0 4.1b,3.9
NEIC IV 25 20 57 52.6–1.5 33.13S–.02 72.21W–.07 18–6 4.3b,4.0L
GUC IV 25 20 57 53.5–.73 33.14S 72.18W 33–3 4.0L,4.0L
ISC Event type se.
SJA Error ellipse: s-maj=1.3km s-min=3.3km az=-1.0.
IDC Error ellipse: s-maj=33.9km s-min=23.7km az=98.0.
NEIC Event type se. Error ellipse: s-maj=8.1km s-min=3.2km az=85.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=1.8km s-min=2.5km az=-1.0.
ISC IV 25 21 03 10.5–1.5 33.10S–.02 72.10W–.04 7–9 4.4b 133 0-172
SJA IV 25 21 03 09.3–.85 33.13S 72.22W 20–4 4.2W,4.1L **¶610650016**
IDC IV 25 21 03 10.2–1.1 33.00S 71.78W 0 4.2b,4.0
NEIC IV 25 21 03 12.2–1.3 33.09S–.05 72.10W–.03 15–4 4.5b,3.9
NEIC IV 25 21 03 12.3 33.09S 72.09W 15 4.5b,3.9
GUC IV 25 21 03 13.8–.79 33.11S 72.02W 18–18 3.9L,3.9
ISC Event type se.
SJA Error ellipse: s-maj=2.2km s-min=7.1km az=-1.0.
IDC Error ellipse: s-maj=27.2km s-min=19.4km az=136.0.
NEIC Event type se. Error ellipse: s-maj=6.7km s-min=3.9km az=168.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; Mrr7.83 Mθθ-0.97 Mϕϕ-6.86 Mrθ1.78 Mθϕ2.30 Mϕr-5.83 NP1:ϕs162.25000°,δ64.11000°,λ91.06000°. NP2:ϕs339.82000°,δ25.91000° ,λ87.81000°. Principal axes: T 9.9423,Plg71.0000°,Azm75.0000°; N -0.1784,Plg1.0000° ,Azm342.0000°; P -9.7639,Plg19.0000°,Azm251.0000° M0 9.85000×10^{14}
NEIC Event type se.
GUC Error ellipse: s-maj=1.6km s-min=2.7km az=-1.0.
ISC IV 25 22 52 30.2–1.4 31.79S–.02 72.09W–.05 19–3 102 1-83
SJA IV 25 22 52 26.6–1.3 31.78S 72.26W 15 4.1W,3.9L **¶611149685**
NEIC IV 25 22 52 29.5–1.4 31.77S–.02 72.16W–.10 13–5 4.2b,3.8L
NEIC IV 25 22 52 29.6 31.77S 72.17W 14 4.2b,3.8L
GUC IV 25 22 52 30.4–.91 31.78S 72.08W 32–4 3.8L,3.8L
ISC Event type se.
SJA Error ellipse: s-maj=2.7km s-min=6.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=2.8km az=94.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; Mrr4.83 Mθθ0.10 Mϕϕ-4.93 Mrθ0.73 Mθϕ0.67 Mϕr-0.39 NP1:ϕs164.58000°,δ48.36000°,λ79.24000°. NP2:ϕs0.54000°,δ42.76000° ,λ101.86000°. Principal axes: T 4.9471,Plg81.0000°,Azm11.0000°; N 0.0912,Plg8.0000° ,Azm172.0000°; P -5.0383,Plg3.0000°,Azm262.0000° M0 4.99000×10^{14}
NEIC Event type se.
GUC Error ellipse: s-maj=1.8km s-min=5.1km az=-1.0.
ISC IV 25 23 58 10.1–.79 32.98S–.03 72.06W–.05 22–5 4.2b,3.8s 124 0-156
IDC IV 25 23 58 08.4–1.3 32.94S 71.62W 0 4.3b,4.0 **¶610650020**
GUC IV 25 23 58 11.1–.88 32.95S 71.98W 33–5 4.2L,4.0
NEIC IV 25 23 58 11.3–1.2 32.96S–.03 71.95W–.04 23–5 4.2L,4.1b
NEIC IV 25 23 58 11.2 32.95S 71.95W 22 4.2L,4.1b
SJA IV 25 23 58 17.2–.37 33.71S 71.16W 22–2 4.6L,4.4W
ISC Event type se.
IDC Error ellipse: s-maj=34.6km s-min=19.3km az=128.0.
GUC Error ellipse: s-maj=2.1km s-min=3.0km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=5.5km s-min=3.9km az=101.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; Mrr0.63 Mθθ-0.13 Mϕϕ-0.50 Mrθ0.03 Mθϕ0.10 Mϕr-0.90 NP1:ϕs175.65000°,δ73.73000°,λ94.42000°. NP2:ϕs340.24000°,δ16.85000° ,λ75.22000°. Principal axes: T 1.1270,Plg61.0000°,Azm92.0000°; N -0.1182,Plg4.0000° ,Azm354.0000°; P -1.0087,Plg29.0000°,Azm262.0000° M0 1.07000×10^{15}
NEIC Event type se.
SJA Error ellipse: s-maj=4.2km s-min=7.2km az=-1.0.
ISC IV 26 00 42 59.8–1.2 32.94S–.03 72.02W–.05 23–8 4.4b 94 0-57
SJA IV 26 00 42 53.0–2.0 32.94S 72.32W 0–52 3.8L,3.5W **¶611149687**
NEIC IV 26 00 43 00.2–2.0 32.96S–.03 71.99W–.03 22–6 4.3b,4.0L
NEIC IV 26 00 43 00.3 32.95S 71.97W 19 4.3b,4.0L
GUC IV 26 00 43 01.6–.74 32.96S 71.93W 28–5 4.0L,4.0L
ISC Event type se.
SJA Error ellipse: s-maj=6.9km s-min=20.5km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=4.4km s-min=3.4km az=63.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; Mrr2.15 Mθθ0.00 Mϕϕ-2.15 Mrθ-0.15 Mθϕ-0.28 Mϕr-3.84 NP1:ϕs182.87000°,δ75.32000°,λ87.69000°. NP2:ϕs11.92000°,δ14.86000° ,λ98.75000°. Principal axes: T 4.4003,Plg60.0000°,Azm90.0000°; N 0.0257,Plg2.0000° ,Azm183.0000°; P -4.4260,Plg30.0000°,Azm275.0000° M0 4.41000×10^{14}
NEIC Event type se.
GUC Error ellipse: s-maj=1.7km s-min=2.7km az=-1.0.
ISC IV 26 03 52 31.8–1.4 33.09S–.02 72.15W–.05 19–3 63 0-5
SJA IV 26 03 52 30.8–.78 33.07S 72.14W 25–3 3.8W,3.6L **¶616345323**
GUC IV 26 03 52 33.5–.78 33.08S 72.09W 24–28 3.7L,3.6L
ISC Event type ke.
SJA Error ellipse: s-maj=2.1km s-min=6.4km az=-1.0.
GUC Error ellipse: s-maj=2.3km s-min=7.7km az=-1.0.
ISC IV 26 08 35 53.0–2.0 32.93S–.05 72.17W–.08 9–11 33 0-156
IDC IV 26 08 35 50.4–3.4 32.90S 72.58W 0 3.6,3.6L **¶610650041**
GUC IV 26 08 35 53.8–.66 32.93S 72.16W 17–2 3.5L,3.6L
SJA IV 26 08 35 54.1–.64 33.14S 72.32W 29–60 3.7W,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=100.0km s-min=36.7km az=96.0.
GUC Error ellipse: s-maj=2.6km s-min=3.0km az=-1.0.
SJA Error ellipse: s-maj=24.6km s-min=44.4km az=-1.0.
ISC IV 26 08 43 13.4–1.5 33.02S–.03 72.20W–.05 12–9 3.4b 70 0-156
SJA IV 26 08 43 10.9–.69 32.99S 72.34W 22–2 4.1W,3.8L **¶610650042**
IDC IV 26 08 43 11.9–1.2 33.03S 71.93W 0 3.7L,3.6
GUC IV 26 08 43 14.1–1.0 33.03S 72.17W 14–4 3.6L,3.6
ISC Event type ke.
SJA Error ellipse: s-maj=1.4km s-min=3.7km az=-1.0.
IDC Error ellipse: s-maj=45.4km s-min=22.8km az=86.0.
GUC Error ellipse: s-maj=2.9km s-min=4.7km az=-1.0.
ISC IV 26 09 49 50.5–2.1 32.89S–.05 72.29W–.08 3–11 37 1-84
IDC IV 26 09 49 46.7–1.8 32.78S 73.15W 0 3.7L,3.6 **¶610650047**
GUC IV 26 09 49 52.6–.77 32.91S 72.24W 23–8 3.6L,3.6
SJA IV 26 09 49 53.3–.37 32.19S 72.34W 15 3.6L,3.5W
ISC Event type ke.
IDC Error ellipse: s-maj=70.3km s-min=28.3km az=78.0.

GUC Error ellipse: s-maj=2.7km s-min=3.9km az=-1.0.
SJA Error ellipse: s-maj=10.2km s-min=6.1km az=-1.0.
ISC IV 26 10 05 33.9–1.0 33.16S–.02 72.27W–.04 18–3 4.4b,3.9s 138 1-156
IDC IV 26 10 05 30.9–1.2 33.06S 72.51W 0 3.8s,3.7 **¶610650049**
SJA IV 26 10 05 30.7–.70 33.15S 72.39W 15–3 4.4W,4.2L
GUC IV 26 10 05 34.6–.84 33.14S 72.21W 15–3 3.8L,4.2L
NEIC IV 26 10 05 34.2–1.2 33.16S–.04 72.24W–.06 15–4 4.5b,4.3
NEIC IV 26 10 05 34 33.14S 72.20W 17 4.5b,4.3
VAO IV 26 10 06 21.4–4.2 31.11S 70.21W 278–18 3.9b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=32.0km s-min=28.2km az=102.0.
SJA Error ellipse: s-maj=1.6km s-min=5.2km az=-1.0.
GUC Error ellipse: s-maj=2.4km s-min=3.7km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=7.1km s-min=4.9km az=68.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}1.80 $M_{\theta\theta}$0.39 $M_{\phi\phi}$-2.19 $M_{r\theta}$0.56 $M_{\theta\phi}$0.18 $M_{\phi r}$-2.61 NP1:ϕ_s5.84000°,δ19.04000°,λ106.03000°. NP2:ϕ_s168.93000°,δ71.72000°,λ84.55000°. Principal axes: T 3.1578,Plg63.0000°,Azm70.0000°; N 0.3723,Plg5.0000°,Azm171.0000°; P -3.5301,Plg27.0000°,Azm263.0000° $M_0$3.36000×10^{15}
NEIC Event type se.
VAO Error ellipse: s-maj=34.3km s-min=15.8km az=-1.0.
GUC IV 26 15 12 49.3–.80 33.22S 72.06W 24–5 3.6L ¶616345364
GUC Error ellipse: s-maj=1.5km s-min=2.9km az=-1.0.
ISC IV 26 16 36 43.8–1.2 33.03S–.05 72.02W–.08 21–3 43 0-156
GUC IV 26 16 36 43.0–.78 33.00S 72.06W 22–5 3.5L **¶610650069**
IDC IV 26 16 36 49.8–4.8 33.36S 71.93W 77–43 3.9L,3.8
ISC Event type ke.
GUC Error ellipse: s-maj=2.1km s-min=2.8km az=-1.0.
IDC Error ellipse: s-maj=153.4km s-min=39.7km az=90.0.
GUC IV 26 18 15 11.7–.92 32.94S 72.20W 16–4 2.7L ¶616345369
GUC Error ellipse: s-maj=3.1km s-min=4.4km az=-1.0.
ISC IV 27 08 46 35.0–.81 33.08S–.04 72.06W–.06 22–5 4.3b 81 0-156
IDC IV 27 08 46 32.7–1.1 33.03S 71.70W 0 4.3b,4.0 **¶610650117**
GUC IV 27 08 46 33.0–.93 33.07S 72.15W 38–2 4.2L,4.0
NEIC IV 27 08 46 36.5–2.3 33.21S–.05 71.96W–.08 29–7 4.3b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 27 11 16 11.6–1.4 31.80S–.02 72.20W–.06 4–11 62 1-6
SJA IV 27 11 16 07.8–.89 31.87S 72.61W 10 3.8W,3.5L **¶616345403**
GUC IV 27 11 16 14.6–1.0 31.77S 71.98W 26–5 3.2L,3.5L
ISC Event type ke.
SJA Error ellipse: s-maj=3.8km s-min=7.3km az=-1.0.
GUC Error ellipse: s-maj=1.6km s-min=5.3km az=-1.0.
GUC IV 27 18 19 43.2–.78 33.02S 72.26W 29–3 3.6L ¶616345423
GUC Error ellipse: s-maj=1.9km s-min=2.7km az=-1.0.
ISC IV 27 23 56 47.3–1.6 33.01S–.03 72.24W–.06 13–9 55 0-84
IDC IV 27 23 56 47.1–2.4 33.02S 72.07W 0 4.1b,3.8 **¶610650173**
GUC IV 27 23 56 48.9–.72 33.00S 72.18W 24–26 3.6L,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=50.2km s-min=26.2km az=136.0.
GUC Error ellipse: s-maj=2.5km s-min=6.6km az=-1.0.
ISC IV 28 02 15 43.8–1.9 33.12S–.04 72.26W–.07 9–11 41 1-84
IDC IV 28 02 15 43.0–2.3 33.04S 72.37W 0 3.7b,3.6s **¶610650182**
GUC IV 28 02 15 46.0–.75 33.10S 72.23W 25–7 3.6L,3.6s
ISC Event type ke.
IDC Error ellipse: s-maj=42.2km s-min=27.1km az=133.0.
GUC Error ellipse: s-maj=2.1km s-min=3.7km az=-1.0.
ISC IV 28 15 33 27.6–1.3 33.31S–.03 72.01W–.04 14–7 5.0b 148 0-172
IDC IV 28 15 33 25.7–.71 33.23S 71.95W 0 5.5s,5.1L **¶610589247**
NEIC IV 28 15 33 29.9–1.8 33.30S–.03 71.94W–.05 24–4 5.1b,4.7
GUC IV 28 15 33 30.0–.88 33.33S 71.99W 24–22 4.7L,4.7
ISC Event type se.
IDC Error ellipse: s-maj=34.8km s-min=21.1km az=70.0.
NEIC Event type se. Error ellipse: s-maj=6.2km s-min=4.3km az=65.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=1.9km s-min=5.3km az=-1.0.
ISC IV 28 15 44 31.1–1.1 33.22S–.03 72.01W–.05 22–8 4.5b 94 0-156
IDC IV 28 15 44 28.7–1.0 33.17S 71.80W 0 4.2,4.2b **¶610650227**
NEIC IV 28 15 44 31.0–1.6 33.25S–.02 72.05W–.07 21–12 4.6b,4.2b
GUC IV 28 15 44 31.7–.73 33.24S 72.02W 21–7 4.2L,4.2b
ISC Event type se.
IDC Error ellipse: s-maj=39.3km s-min=21.0km az=89.0.
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=1.7km az=78.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=1.5km s-min=3.0km az=-1.0.
ISC IV 28 15 56 58.3–1.3 33.24S–.03 72.11W–.05 17–8 4.3b 93 0-171
IDC IV 28 15 56 55.8–2.2 33.06S 72.23W 0 4.2,4.2b **¶610650229**
NEIC IV 28 15 56 59.2–1.6 33.27S–.03 72.11W–.06 20–8 4.5b,4.3L
GUC IV 28 15 57 01.1–.65 33.28S 71.97W 28–8 4.3L,4.3L
ISC Event type se.
IDC Error ellipse: s-maj=85.1km s-min=21.6km az=100.0.
NEIC Event type se. Error ellipse: s-maj=7.1km s-min=4.4km az=94.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=1.2km s-min=2.6km az=-1.0.
ISC IV 28 16 18 41.5–1.4 33.22S–.03 72.09W–.04 9–8 4.4b 114 0-171
NEIC IV 28 16 18 42.0–2.6 33.23S–.04 72.04W–.06 10–1 4.6b,4.0L **¶610650230**
IDC IV 28 16 18 43.4–.93 33.27S 71.33W 0 4.0,4.0b
GUC IV 28 16 18 46.7–.93 33.25S 71.91W 26–11 4.1L,4.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=5.9km az=96.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=34.9km s-min=21.7km az=104.0.
GUC Error ellipse: s-maj=1.7km s-min=4.0km az=-1.0.
ISC IV 28 16 21 28.0–1.3 33.23S–.03 72.02W–.06 27–9 69 0-5
GUC IV 28 16 21 27.8–.90 33.23S 71.96W 28–3 3.6L **¶611149719**
NEIC IV 28 16 21 28.4–1.3 33.22S–.02 72.00W–.05 23–15 3.6L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 28 16 51 51.7–1.3 33.23S–.03 72.06W–.06 28–9 4.2b 90 0-171
IDC IV 28 16 51 46.4–1.9 33.19S 72.61W 0 3.9b,3.8 **¶610650234**
NEIC IV 28 16 51 51.6–1.0 33.22S–.03 72.09W–.07 20–7 4.3b,3.9L
GUC IV 28 16 51 52.7–.78 33.25S 71.94W 28–3 3.9L,3.9L
ISC Event type se.
IDC Error ellipse: s-maj=45.3km s-min=28.8km az=109.0.
NEIC Event type se. Error ellipse: s-maj=8.9km s-min=4.3km az=102.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=1.5km s-min=3.0km az=-1.0.
ISC IV 28 17 09 38.9–1.2 33.23S–.03 72.06W–.04 17–7 4.7b,4.3s 150 0-171
IDC IV 28 17 09 36.7–1.0 33.19S 71.85W 0 4.4,4.4b **¶610650237**
NEIC IV 28 17 09 39.8–1.8 33.20S–.02 72.14W–.06 22–5 4.8b,4.6
VAO IV 28 17 09 39.3–.57 33.19S 72.08W 10 4.5b,4.6
NEIC IV 28 17 09 39.3 33.23S 72.14W 18 4.5b,4.6
GUC IV 28 17 09 40.4–.92 33.26S 71.95W 28–4 4.3L,4.6
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s7.31948°,δ33.32756°,λ141.55389°. NP2:ϕ_s130.87734°,δ70.02437°,λ62.75147°. Principal axes: T Plg56.3440°,Azm5.1330°; N Plg25.4870°,Azm140.8555°; P Plg20.4418°,Azm241.0901°
IDC Error ellipse: s-maj=25.6km s-min=19.9km az=142.0.
NEIC Event type se. Error ellipse: s-maj=7.1km s-min=6.0km az=113.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}4.16 $M_{\theta\theta}$1.59 $M_{\phi\phi}$-5.75 $M_{r\theta}$4.11 $M_{\theta\phi}$0.88 $M_{\phi r}$-5.57 NP1:ϕ_s20.96000°,δ25.16000°,λ139.64000°. NP2:ϕ_s148.53000°,δ74.02000°,λ70.31000°. Principal axes: T 8.4318,Plg57.0000°,Azm33.0000°; N 0.4521,Plg19.0000°,Azm154.0000°; P -8.8839,Plg26.0000°,Azm254.0000° $M_0$8.67000×10^{15}
VAO Error ellipse: s-maj=4.7km s-min=8.2km az=-1.0.
NEIC Event type se.
GUC Error ellipse: s-maj=1.8km s-min=3.5km az=-1.0.
ISC IV 28 17 21 45.9–1.3 33.23S–.02 72.11W–.04 11–8 4.6b 181 0-171
SJA IV 28 17 21 44.4–1.4 33.20S 72.19W 25–6 4.3L,4.1W **¶611149720**
IDC IV 28 17 21 45.1–.82 33.16S 71.86W 0 4.4b,4.3
NEIC IV 28 17 21 47.6–1.9 33.20S–.02 72.06W–.05 22–5 4.7b,4.3L
GUC IV 28 17 21 48.2–.64 33.24S 72.06W 24–17 4.2L,4.3L
NEIC IV 28 17 21 48 33.23S 72.06W 24 4.2L,4.3L
VAO IV 28 17 22 00.3–.94 32.75S 71.34W 89–13 4.4b,4.3L
ISC Event type se.
SJA Error ellipse: s-maj=4.3km s-min=7.2km az=-1.0.
IDC Error ellipse: s-maj=22.9km s-min=16.1km az=118.0.
NEIC Event type se. Error ellipse: s-maj=6.6km s-min=3.5km az=95.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}1.70 $M_{\theta\theta}$0.15 $M_{\phi\phi}$-1.85 $M_{r\theta}$0.99 $M_{\theta\phi}$0.32 $M_{\phi r}$-2.08 NP1:ϕ_s157.84000°,δ71.43000°,λ80.31000°. NP2:ϕ_s6.04000°,δ20.87000°,λ116.61000°. Principal axes: T 2.8803,Plg62.0000°,Azm53.0000°; N 0.0911,Plg9.0000°,Azm161.0000°; P -2.9714,Plg26.0000°,Azm255.0000° $M_0$2.93000×10^{15}
GUC Error ellipse: s-maj=1.3km s-min=4.3km az=-1.0.
NEIC Event type se.
VAO Error ellipse: s-maj=6.9km s-min=7.9km az=-1.0.
ISC IV 28 17 38 09.2–1.2 33.33S–.03 72.01W–.05 25–8 116 0-156
SJA IV 28 17 38 04.9–.75 33.30S 72.24W 10 3.9L,3.6W **¶610650241**
IDC IV 28 17 38 05.5–1.5 33.19S 72.36W 0 4.1b,3.8
NEIC IV 28 17 38 08.8–1.7 33.31S–.03 72.06W–.05 20–8 3.9L,3.7
NEIC IV 28 17 38 09.8 33.34S 71.97W 24 3.9L,3.7
GUC IV 28 17 38 10.0–.74 33.34S 71.97W 28–9 3.9L,3.7
ISC Event type se.
SJA Error ellipse: s-maj=2.9km s-min=6.5km az=-1.0.
IDC Error ellipse: s-maj=49.9km s-min=31.2km az=123.0.
NEIC Event type se. Error ellipse: s-maj=6.6km s-min=1.6km az=121.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}2.54 $M_{\theta\theta}$-1.04 $M_{\phi\phi}$-1.50 $M_{r\theta}$-1.12 $M_{\theta\phi}$-0.40 $M_{\phi r}$-4.65 NP1:ϕ_s194.85000°,δ78.10000°,λ87.25000°. NP2:ϕ_s27.97000°,δ12.21000°,λ102.84000°. Principal axes: T 5.6643,Plg57.0000°,Azm101.0000°; N -0.8716,Plg3.0000°,Azm195.0000°; P -4.7927,Plg33.0000°,Azm287.0000° $M_0$5.28000×10^{14}
NEIC Event type se.
GUC Error ellipse: s-maj=1.2km s-min=2.1km az=-1.0.
ISC IV 28 17 41 07.7–1.4 33.24S–.03 72.05W–.05 15–9 4.4b 91 0-156
IDC IV 28 17 41 06.4–1.5 33.23S 71.75W 0 3.8,3.8b **¶610585861**
NEIC IV 28 17 41 08.3–1.8 33.23S–.04 72.14W–.05 19–4 4.5b,3.9L
GUC IV 28 17 41 09.8–.55 33.24S 72.04W 24–5 3.9L,3.9L
ISC Event type se.
IDC Error ellipse: s-maj=38.7km s-min=30.4km az=112.0.
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=4.5km az=116.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=1.3km s-min=2.5km az=-1.0.
ISC IV 28 18 28 22.2–1.1 33.26S–.02 72.00W–.05 24–8 4.4b 134 0-171
IDC IV 28 18 28 19.6–1.2 33.23S 71.82W 0 4.1b,4.0 **¶610650246**
SJA IV 28 18 28 19.6–.66 33.31S 72.10W 24–2 4.4W,4.1L
NEIC IV 28 18 28 23.2–1.8 33.28S–.02 71.94W–.06 26–5 4.4b,4.2
GUC IV 28 18 28 23.4–.74 33.28S 71.95W 24–21 4.2L,4.2
NEIC IV 28 18 28 23.4 33.28S 71.93W 22 4.2L,4.2
ISC Event type se.
IDC Error ellipse: s-maj=32.3km s-min=20.9km az=146.0.
SJA Error ellipse: s-maj=1.3km s-min=3.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=7.2km s-min=3.2km az=85.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}1.11 $M_{\theta\theta}$0.05 $M_{\phi\phi}$-1.15 $M_{r\theta}$0.42 $M_{\theta\phi}$0.01 $M_{\phi r}$-2.15 NP1:ϕ_s170.01000°,δ76.51000°,λ85.23000°. NP2:ϕ_s9.68000°,δ14.29000°,λ109.11000°. Principal axes: T 2.4563,Plg58.0000°,Azm74.0000°; N 0.0119,Plg5.0000°,Azm171.0000°; P -2.4683,Plg31.0000°,Azm264.0000° $M_0$2.46000×10^{15}
GUC Error ellipse: s-maj=1.5km s-min=5.8km az=-1.0.
NEIC Event type se.
ISC IV 28 19 11 38.5–1.5 33.30S–.03 72.09W–.06 23–11 4.1b 79 0-156
IDC IV 28 19 11 35.3–1.5 33.30S 71.87W 0 3.8s,3.6b **¶610650249**
NEIC IV 28 19 11 38.9–2.1 33.25S–.03 72.10W–.04 23–6 3.9b,3.9L
NEIC IV 28 19 11 39.3 33.25S 72.12W 24 3.9b,3.9L
GUC IV 28 19 11 40.4–.85 33.26S 72.03W 24–9 3.9L,3.9L
ISC Event type se.
IDC Error ellipse: s-maj=33.1km s-min=21.6km az=146.0.
NEIC Event type se. Error ellipse: s-maj=6.0km s-min=2.4km az=224.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}4.30 $M_{\theta\theta}$0.10 $M_{\phi\phi}$-4.40 $M_{r\theta}$2.21 $M_{\theta\phi}$1.11 $M_{\phi r}$-3.63 NP1:ϕ_s154.28000°,δ67.10000°,λ79.33000°. NP2:ϕ_s0.12000°,δ25.15000°,λ113.67000°. Principal axes: T 6.1187,Plg66.0000°,Azm45.0000°; N 0.1260,Plg10.0000°,Azm158.0000°; P -6.2447,Plg21.0000°,Azm252.0000° $M_0$6.18000×10^{14}
NEIC Event type se.
GUC Error ellipse: s-maj=2.0km s-min=5.0km az=-1.0.
ISC IV 29 01 06 20.2–1.4 33.21S–.03 72.31W–.06 28–10 4.4b 68 1-33
NEIC IV 29 01 06 20.7–3.1 33.21S–.03 72.30W–.06 21–4 4.3b,4.3L **¶611149734**
NEIC IV 29 01 06 21.5 33.21S 72.24W 22 4.3b,4.3L
GUC IV 29 01 06 23.7–.81 33.25S 72.02W 28–3 3.3L,4.3L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=3.9km az=91.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}3.06 $M_{\theta\theta}$1.73 $M_{\phi\phi}$-4.79 $M_{r\theta}$3.14 $M_{\theta\phi}$0.73 $M_{\phi r}$-3.84 NP1:ϕ_s25.17000°,δ29.61000°,λ145.25000°. NP2:ϕ_s146.27000°,δ73.64000°,λ64.97000°. Principal axes: T 6.2573,Plg54.0000°,Azm25.0000°; N 0.5343,Plg24.0000°,Azm154.0000°; P -6.7916,Plg25.0000°,Azm255.0000° $M_0$6.54000×10^{14}
NEIC Event type se.
GUC Error ellipse: s-maj=1.8km s-min=3.3km az=-1.0.
ISC IV 29 01 37 16.5–.97 33.20S–.02 72.06W–.04 25–7 4.4b 149 0-156
SJA IV 29 01 37 11.0–.64 33.24S 72.34W 12–2 4.9L,4.3W **¶611149738**
IDC IV 29 01 37 13.9–.86 33.15S 71.77W 0 4.1,4.1b
NEIC IV 29 01 37 15.5 33.21S 72.11W 18 4.1,4.1b
NEIC IV 29 01 37 16.1–1.4 33.23S–.03 72.05W–.07 20–4 4.6b,4.4
GUC IV 29 01 37 16.5–.78 33.24S 72.07W 20–10 4.3L,4.4
VAO IV 29 01 37 37.5–2.5 32.67S 70.96W 160 4.5b,4.4
ISC Event type se.
SJA Error ellipse: s-maj=1.4km s-min=3.2km az=-1.0.
IDC Error ellipse: s-maj=21.4km s-min=17.3km az=144.0.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=7.9km s-min=4.3km az=94.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}2.15 $M_{\theta\theta}$1.46 $M_{\phi\phi}$-3.61 $M_{r\theta}$2.91 $M_{\theta\phi}$0.54 $M_{\phi r}$-3.22 NP1:ϕ_s27.10000°,δ28.49000°,λ150.69000°. NP2:ϕ_s143.36000°,δ76.50000°,λ64.67000°. Principal axes: T 5.2683,Plg52.0000°,Azm24.0000°; N 0.2303,Plg25.0000°,Azm150.0000°; P -5.4986,Plg27.0000°,Azm253.0000° $M_0$5.39000×10^{15}
GUC Error ellipse: s-maj=1.8km s-min=7.5km az=-1.0.
VAO Error ellipse: s-maj=26.8km s-min=15.6km az=-1.0.
ISC IV 29 02 43 06.5–1.2 33.35S–.02 72.09W–.04 15–8 91 0-156
IDC IV 29 02 43 05.9–1.5 33.23S 71.72W 0 3.5L,3.4b **¶610650277**
SJA IV 29 02 43 05.9–.74 33.39S 72.07W 22–2 4.0W,3.7L
GUC IV 29 02 43 08.7–.61 33.38S 72.00W 23–4 3.6L,3.7L
ISC Event type ke.
IDC Error ellipse: s-maj=37.0km s-min=22.0km az=148.0.
SJA Error ellipse: s-maj=2.2km s-min=3.5km az=-1.0.
GUC Error ellipse: s-maj=1.0km s-min=2.0km az=-1.0.
ISC IV 29 04 50 34.3–1.2 33.24S–.03 72.10W–.05 29–8 4.1b 102 0-156

IDC IV 29 04 50 29.3–1.6 33.03S 72.54W 0 3.8,3.8b ¶610650282
NEIC IV 29 04 50 33.9 33.22S 72.13W 19 3.8,3.8b
NEIC IV 29 04 50 34.4–1.8 33.24S–.03 72.09W–.05 22–6 4.1b,3.9
SJA IV 29 04 50 34.1–1.1 33.25S 72.03W 25–4 4.0L,3.8W
GUC IV 29 04 50 35.3–.80 33.24S 71.97W 26–6 4.0L,3.8W
ISC Event type se.
IDC Error ellipse: s-maj=32.2km s-min=28.7km az=116.0.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=6.5km s-min=4.2km az=98.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}2.20 $M_{\theta\theta}$2.36 $M_{\phi\phi}$-4.56 $M_{r\theta}$4.99 $M_{\theta\phi}$1.75 $M_{\phi r}$-7.31 NP1:ϕ_s25.06000°,δ18.38000°,λ150.00000°. NP2:ϕ_s143.78000°,δ80.93000°,λ73.95000°. Principal axes: T 8.8139,Plg51.0000°,Azm35.0000°; N 1.8190,Plg16.0000°,Azm146.0000°; P -10.6328,Plg34.0000°,Azm247.0000° $M_0$9.85000×10^{14}
SJA Error ellipse: s-maj=4.1km s-min=7.1km az=-1.0.
GUC Error ellipse: s-maj=1.9km s-min=3.7km az=-1.0.
ISC IV 29 08 30 42.7–.84 33.23S–.02 72.08W–.04 18–4 4.6b,3.5s 159 0-156
IDC IV 29 08 30 39.9–1.0 33.11S 71.77W 0 4.2,4.2b ¶610650293
SJA IV 29 08 30 40.5–.87 33.29S 72.15W 22–2 4.7L,4.5W
NEIC IV 29 08 30 42.9–1.5 33.22S–.04 72.08W–.05 21–6 4.6b,4.2
NEIC IV 29 08 30 42.8 33.21S 72.08W 20 4.6b,4.2
GUC IV 29 08 30 43.7–.76 33.25S 72.05W 24–27 4.2L,4.2
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s37.04915°,δ53.11958°,λ131.49197°. NP2:ϕ_s161.20738°,δ53.19051°,λ48.55499°. Principal axes: T Plg57.9986°,Azm9.1784°; N Plg32.0013°,Azm189.0891°; P Plg0.0401°,Azm279.1142°
IDC Error ellipse: s-maj=30.8km s-min=22.5km az=103.0.
SJA Error ellipse: s-maj=1.9km s-min=4.1km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=6.6km s-min=5.0km az=98.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}1.17 $M_{\theta\theta}$0.71 $M_{\phi\phi}$-1.87 $M_{r\theta}$1.48 $M_{\theta\phi}$-0.02 $M_{\phi r}$-1.97 NP1:ϕ_s31.95000°,δ26.47000°,λ150.38000°. NP2:ϕ_s172.92000°,δ77.27000°,λ66.59000°. Principal axes: T 2.9565,Plg52.0000°,Azm32.0000°; N 0.0086,Plg23.0000°,Azm154.0000°; P -2.9651,Plg29.0000°,Azm258.0000° $M_0$2.96000×10^{15}
NEIC Event type se.
GUC Error ellipse: s-maj=1.8km s-min=7.7km az=-1.0.
ISC IV 29 08 53 59.6–1.3 33.20S–.03 72.19W–.03 14–8 4.5b,3.8s 125 0-154
IDC IV 29 08 53 58.4–.84 33.19S 71.84W 0 4.0,4.0b ¶610650294
NEIC IV 29 08 54 00.5 33.20S 72.14W 16 4.0,4.0b
NEIC IV 29 08 54 01.1–1.7 33.22S–.04 72.14W–.07 20–5 4.6b,4.2
GUC IV 29 08 54 02.0–.70 33.26S 72.08W 24–4 4.0L,4.2
VAO IV 29 08 54 29.9–7.6 31.74S 70.96W 144–39 4.2b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=21.2km s-min=17.4km az=133.0.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=8.6km s-min=5.1km az=92.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}1.48 $M_{\theta\theta}$0.49 $M_{\phi\phi}$-1.97 $M_{r\theta}$1.49 $M_{\theta\phi}$0.14 $M_{\phi r}$-1.74 NP1:ϕ_s148.25000°,δ73.60000°,λ67.78000°. NP2:ϕ_s23.59000°,δ27.37000°,λ142.10000°. Principal axes: T 2.9397,Plg56.0000°,Azm30.0000°; N -0.0821,Plg21.0000°,Azm155.0000°; P -2.8576,Plg25.0000°,Azm255.0000° $M_0$2.90000×10^{15}
GUC Error ellipse: s-maj=1.3km s-min=2.1km az=-1.0.
VAO Error ellipse: s-maj=48.3km s-min=29.1km az=-1.0.
ISC IV 29 18 44 45.1–1.5 33.05S–.03 72.22W–.07 22–12 61 0-5
SJA IV 29 18 44 43.1–2.1 33.02S 72.24W 24–6 3.5L,3.4W ¶616345595
GUC IV 29 18 44 45.9–.74 33.02S 72.26W 28–7 3.6L,3.4W
ISC Event type ke.
SJA Error ellipse: s-maj=5.4km s-min=8.0km az=-1.0.
GUC Error ellipse: s-maj=2.3km s-min=3.3km az=-1.0.
ISC IV 30 16 41 09.6–1.6 33.11S–.03 72.23W–.06 10–10 59 0-5
SJA IV 30 16 41 08.9–.66 33.08S 72.22W 21–2 3.8W,3.7L ¶616345640
GUC IV 30 16 41 12.5–.78 33.10S 72.07W 23–12 3.7L,3.7L
ISC Event type ke.
SJA Error ellipse: s-maj=1.3km s-min=3.2km az=-1.0.
GUC Error ellipse: s-maj=2.2km s-min=4.9km az=-1.0.
ISC IV 30 17 55 31.7–1.4 33.38S–.03 72.02W–.05 13–8 3.9b 55 0-156
IDC IV 30 17 55 29.9–1.4 33.44S 71.83W 0 3.8b,3.7 ¶610650438
GUC IV 30 17 55 34.7–.72 33.37S 71.99W 23–4 3.9L,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=37.6km s-min=22.6km az=94.0.
GUC Error ellipse: s-maj=1.2km s-min=2.7km az=-1.0.
ISC IV 30 21 49 01.5–1.3 32.99S–.03 72.23W–.03 12–8 4.2b 142 0-156
IDC IV 30 21 49 00.3–.95 32.99S 71.98W 0 4.0b,4.0L ¶611149767
SJA IV 30 21 49 00.1–.55 32.72S 72.62W 10 4.2L,4.0W
NEIC IV 30 21 49 01.8–1.5 32.99S–.03 72.29W–.06 16–5 4.3b,4.0L
GUC IV 30 21 49 02.6–.84 32.97S 72.24W 34–2 4.0L,4.0L
NEIC IV 30 21 49 02.1 33.00S 72.24W 15 4.0L,4.0L
ISC Event type se.
IDC Error ellipse: s-maj=22.9km s-min=15.8km az=121.0.
SJA Error ellipse: s-maj=6.6km s-min=9.1km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=4.7km az=99.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}9.02 $M_{\theta\theta}$-0.08 $M_{\phi\phi}$-8.94 $M_{r\theta}$0.71 $M_{\theta\phi}$-1.09 $M_{\phi r}$-4.07 NP1:ϕ_s180.04000°,δ57.18000°,λ82.51000°. NP2:ϕ_s13.69000°,δ33.57000°,λ101.43000°. Principal axes: T 9.9861,Plg77.0000°,Azm67.0000°; N -0.0843,Plg6.0000°,Azm184.0000°; P -9.9018,Plg12.0000°,Azm275.0000° $M_0$9.94000×10^{14}
GUC Error ellipse: s-maj=2.0km s-min=3.0km az=-1.0.
NEIC Event type se.
ISC IV 30 22 59 39.8–1.4 33.29S–.02 72.08W–.05 17–8 72 0-5
SJA IV 30 22 59 36.4–.78 33.30S 72.25W 19–2 4.0W,3.8L ¶616345653
GUC IV 30 22 59 40.3–.80 33.27S 72.10W 24–30 3.9L,3.8L
ISC Event type ke.
SJA Error ellipse: s-maj=1.3km s-min=3.6km az=-1.0.
GUC Error ellipse: s-maj=2.0km s-min=8.5km az=-1.0.
ISC V 01 09 03 29.1–1.4 33.08S–.03 72.30W–.05 10–9 77 1-84
SJA V 01 09 03 28.0–.73 33.00S 72.29W 15–4 3.8W,3.6L ¶610689289
IDC V 01 09 03 29.5–1.7 33.00S 72.14W 0 3.8L,3.7s
GUC V 01 09 03 32.7–.73 33.01S 72.11W 14–8 3.5L,3.7s
ISC Event type ke.
SJA Error ellipse: s-maj=2.3km s-min=4.7km az=-1.0.
IDC Error ellipse: s-maj=33.5km s-min=24.1km az=156.0.
GUC Error ellipse: s-maj=2.4km s-min=7.3km az=-1.0.
ISC V 01 23 38 43.2–1.7 33.00S–.03 72.24W–.05 7–10 4.1b 129 0-156
IDC V 01 23 38 42.6–1.0 33.01S 72.01W 0 3.9b,3.8 ¶610689348
VAO V 01 23 38 43.4–.41 33.17S 72.25W 17 4.1b,3.8
NEIC V 01 23 38 44.6–1.4 33.02S–.03 72.22W–.06 17–5 4.2b,4.1
NEIC V 01 23 38 44.3 33.06S 72.24W 17 4.2b,4.1
GUC V 01 23 38 45.1–.81 33.01S 72.21W 20–11 3.9L,4.1
ISC Event type se.
IDC Error ellipse: s-maj=27.3km s-min=17.8km az=133.0.
VAO Error ellipse: s-maj=5.9km s-min=4.5km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=7.3km s-min=4.3km az=83.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}1.27 $M_{\theta\theta}$0.15 $M_{\phi\phi}$-1.42 $M_{r\theta}$0.12 $M_{\theta\phi}$0.20 $M_{\phi r}$-1.29 NP1:ϕ_s174.27000°,δ66.86000°,λ91.37000°. NP2:ϕ_s350.78000°,δ23.18000°,λ86.79000°. Principal axes: T 1.7874,Plg68.0000°,Azm87.0000°; N 0.1783,Plg1.0000°,Azm354.0000°; P -1.9656,Plg22.0000°,Azm263.0000° $M_0$1.88000×10^{15}
NEIC Event type se.
GUC Error ellipse: s-maj=2.3km s-min=3.9km az=-1.0.
ISC V 02 06 15 14.6–1.3 33.05S–.02 72.16W–.04 7–9 4.2b 102 0-126
SJA V 02 06 15 10.6–.75 33.03S 72.37W 5–3 4.1L,3.8W ¶610689370
IDC V 02 06 15 14.5–1.5 33.04S 71.97W 0 4.0b,3.8
NEIC V 02 06 15 15.5–1.7 33.055S–.01 72.25W–.08 13–7 4.2b,3.8L
GUC V 02 06 15 17.3–.90 33.08S 72.14W 15–10 3.8L,3.8L
ISC Event type se.
SJA Error ellipse: s-maj=1.3km s-min=4.6km az=-1.0.
IDC Error ellipse: s-maj=36.7km s-min=25.4km az=92.0.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=1.1km az=95.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=3.0km s-min=9.5km az=-1.0.
ISC V 03 07 12 22.5–2.1 37.66S–.05 74.0W–.20 35 38 1-9
NEIC V 03 07 12 22.6–.82 37.63S–.02 74.0W–.20 27–16 4.0L ¶611149977
GUC V 03 07 12 23.3–.64 37.76S 73.73W 14–11 3.9L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=22.3km s-min=3.4km az=87.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=1.3km s-min=18.4km az=-1.0.
ISC V 03 14 30 53.2–1.7 33.12S–.03 72.14W–.06 12–10 58 0-5
SJA V 03 14 30 49.7–.81 33.08S 72.33W 11–4 3.8W,3.7L ¶612738580
GUC V 03 14 30 54.6–.70 33.09S 72.12W 24–30 3.4L,3.7L
ISC Event type ke.
SJA Error ellipse: s-maj=1.9km s-min=6.1km az=-1.0.
GUC Error ellipse: s-maj=2.3km s-min=8.6km az=-1.0.
ISC V 03 16 50 20.5–1.3 33.10S–.02 72.31W–.04 10–8 4.7b,3.9s 213 1-156
VAO V 03 16 50 15.5–1.1 33.49S 72.94W 17 4.5b,3.9s ¶610689490
SJA V 03 16 50 18.7–.72 33.11S 72.37W 18–2 4.7L,4.5W
NEIC V 03 16 50 21.5–1.7 33.07S–.03 72.28W–.05 18–2 4.7b,4.5
NEIC V 03 16 50 21.6 33.07S 72.26W 17 4.7b,4.5
GUC V 03 16 50 22.4–.82 33.08S 72.26W 22–9 4.6L,4.5
IDC V 03 16 50 26.6–2.6 33.14S 72.08W 43–22 4.3,4.1b
ISC Event type se.
VAO Error ellipse: s-maj=10.6km s-min=9.5km az=-1.0.
SJA Error ellipse: s-maj=1.4km s-min=3.1km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=6.7km s-min=4.7km az=94.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}2.81 $M_{\theta\theta}$0.27 $M_{\phi\phi}$-3.08 $M_{r\theta}$0.76 $M_{\theta\phi}$-0.52 $M_{\phi r}$-3.69 NP1:ϕ_s172.66000°,δ71.40000°,λ78.35000°. NP2:ϕ_s25.55000°,δ21.84000°,λ120.97000°. Principal axes: T 4.7726,Plg62.0000°,Azm65.0000°; N 0.0868,Plg11.0000°,Azm176.0000°; P -4.8593,Plg26.0000°,Azm272.0000° $M_0$4.82000×10^{15}
NEIC Event type se.
GUC Error ellipse: s-maj=2.2km s-min=3.6km az=-1.0.
IDC Error ellipse: s-maj=28.3km s-min=16.6km az=101.0.
ISC V 04 05 24 46.1–1.4 33.27S–.02 72.09W–.05 12–10 56 0-5
SJA V 04 05 24 44.0–.59 33.29S 72.17W 25–1 3.6W,3.4L ¶612738593
GUC V 04 05 24 48.5–.74 33.27S 71.93W 28–4 3.1L,3.4L
ISC Event type ke.
SJA Error ellipse: s-maj=1.5km s-min=2.7km az=-1.0.
GUC Error ellipse: s-maj=1.6km s-min=3.2km az=-1.0.
ISC V 04 14 31 39.5–1.4 33.10S–.02 72.25W–.04 3–9 83 1-84
IDC V 04 14 31 39.4–1.8 33.08S 72.13W 0 3.8b,3.7 ¶610689550
SJA V 04 14 31 41.8–1.0 33.19S 72.23W 10 3.8L,3.6W
GUC V 04 14 31 44.0–.70 33.09S 72.02W 28–3 3.8L,3.6W
ISC Event type ke.
IDC Error ellipse: s-maj=51.1km s-min=34.0km az=81.0.
SJA Error ellipse: s-maj=3.5km s-min=6.0km az=-1.0.
GUC Error ellipse: s-maj=1.7km s-min=2.8km az=-1.0.
ISC V 04 16 47 10.2–1.5 33.06S–.02 72.18W–.05 15–9 67 0-5
SJA V 04 16 47 08.4–3.9 33.09S 72.30W 12–16 3.6W,3.6L ¶612738606
GUC V 04 16 47 13.7–.61 33.07S 71.97W 27–3 3.5L,3.6L
ISC Event type ke.
SJA Error ellipse: s-maj=8.5km s-min=16.7km az=-1.0.
GUC Error ellipse: s-maj=2.1km s-min=2.9km az=-1.0.
ISC V 05 01 34 44.7–1.6 32.91S–.04 72.17W–.05 6–10 4.2s,4.0b 83 0-156
NEIC V 05 01 34 44.2–1.4 32.92S–.05 72.38W–.04 8–9 4.1L,3.9b ¶610689578
IDC V 05 01 34 44.9–1.4 32.83S 72.15W 0 4.0L,3.8
GUC V 05 01 34 48.4–.79 32.95S 72.12W 24–7 4.1L,3.8
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=7.2km s-min=4.8km az=160.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=32.0km s-min=22.1km az=158.0.
GUC Error ellipse: s-maj=2.0km s-min=3.0km az=-1.0.
ISC V 05 04 41 57.1–1.5 32.85S–.03 72.16W–.05 8–10 69 0-156
SJA V 05 04 41 55.7–.86 32.82S 72.24W 16–4 3.9L,3.8W ¶610689584
IDC V 05 04 41 56.7–2.4 32.76S 72.19W 0 3.9b,3.7L
GUC V 05 04 42 01.3–.92 32.82S 71.99W 24–15 3.9L,3.7L
ISC Event type ke.
SJA Error ellipse: s-maj=1.9km s-min=5.3km az=-1.0.
IDC Error ellipse: s-maj=80.2km s-min=35.9km az=97.0.
GUC Error ellipse: s-maj=5.5km s-min=9.3km az=-1.0.
ISC V 06 11 16 34.1–1.6 33.05S–.03 72.24W–.06 15–9 64 1-5
SJA V 06 11 16 32.3–.84 33.04S 72.31W 16–3 3.9W,3.9L ¶612738652
GUC V 06 11 16 37.6–.67 33.04S 72.11W 23–11 3.7L,3.9L
ISC Event type ke.
SJA Error ellipse: s-maj=1.7km s-min=3.9km az=-1.0.
GUC Error ellipse: s-maj=2.0km s-min=4.5km az=-1.0.
ISC V 06 16 08 11.0–1.2 33.06S–.02 72.14W–.06 22–7 75 0-4
SJA V 06 16 08 07.6–.80 33.06S 72.27W 19–2 3.8W,3.7L ¶612738661
GUC V 06 16 08 12.3–.75 33.06S 71.98W 27–4 3.6L,3.7L
ISC Event type ke.
SJA Error ellipse: s-maj=1.6km s-min=4.1km az=-1.0.
GUC Error ellipse: s-maj=1.8km s-min=3.1km az=-1.0.
ISC V 09 09 22 30.0–1.3 33.79S–.02 72.29W–.04 15–8 4.2b 139 1-153
SJA V 09 09 22 28.7–.74 33.76S 72.30W 26–2 4.1W,4.1L ¶610689887
IDC V 09 09 22 29.2–1.6 33.68S 72.02W 0 3.8L,3.7
GUC V 09 09 22 30.6–.70 33.79S 72.30W 23–7 4.0L,3.7
NEIC V 09 09 22 30.4–1.4 33.75S–.03 72.32W–.05 20–5 4.2b,4.0L
NEIC V 09 09 22 30 33.76S 72.32W 16 4.2b,4.0L
ISC Event type se.
SJA Error ellipse: s-maj=1.4km s-min=3.3km az=-1.0.
IDC Error ellipse: s-maj=53.7km s-min=30.1km az=89.0.
GUC Error ellipse: s-maj=1.8km s-min=3.1km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=6.6km s-min=4.7km az=99.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}6.63 $M_{\theta\theta}$-0.10 $M_{\phi\phi}$-6.53 $M_{r\theta}$0.83 $M_{\theta\phi}$0.61 $M_{\phi r}$-4.09 NP1:ϕ_s171.38000°,δ61.15000°,λ86.35000°. NP2:ϕ_s357.88000°,δ28.99000°,λ95.69000°. Principal axes: T 7.8501,Plg74.0000°,Azm73.0000°; N -0.0646,Plg3.0000°,Azm173.0000°; P -7.7856,Plg16.0000°,Azm264.0000° $M_0$7.82000×10^{14}
NEIC Event type se.
ISC V 09 11 28 31.0–1.6 33.08S–.03 72.30W–.05 14–9 75 1-4
SJA V 09 11 28 29.3–.74 33.10S 72.33W 21–2 3.9W,3.8L ¶612738707
GUC V 09 11 28 34.4–.73 33.08S 72.12W 21–7 3.9L,3.8L
ISC Event type ke.
SJA Error ellipse: s-maj=1.7km s-min=4.0km az=-1.0.
GUC Error ellipse: s-maj=1.7km s-min=3.3km az=-1.0.
ISC V 10 10 38 36.4–1.5 33.10S–.02 72.36W–.05 2–9 4.0b 77 1-84
IDC V 10 10 38 36.8–1.4 33.11S 72.61W 0 3.7,3.7b ¶610689962
SJA V 10 10 38 36.5–.68 33.09S 72.40W 9–3 4.0L,3.8W
GUC V 10 10 38 41.6–.86 33.05S 72.22W 24–8 3.7L,3.8W
ISC Event type ke.
IDC Error ellipse: s-maj=45.1km s-min=22.3km az=94.0.
SJA Error ellipse: s-maj=1.7km s-min=3.0km az=-1.0.
GUC Error ellipse: s-maj=2.5km s-min=3.6km az=-1.0.
ISC V 13 16 54 46.0–1.0 32.91S–.02 72.05W–.03 17–6 5.3b,4.9s 567 0-179
SJA V 13 16 54 40.9–.82 33.16S 72.26W 20–4 5.5L,5.2W ¶610638449
IDC V 13 16 54 44.1–.44 32.91S 71.80W 0 4.8s,4.8
MOS V 13 16 54 44.2–1.1 32.92S 71.94W 10 5.3b,4.8
NEIC V 13 16 54 46.0–2.2 32.93S–.04 72.03W–.05 15–3 5.3b,5.2
NEIC V 13 16 54 45 32.94S 72.06W 24 5.3b,5.2
NEIC V 13 16 54 45 32.84S 72.18W 24 5.3b,5.2
GUC V 13 16 54 46.1–.75 32.92S 72.06W 20–4 5.2L,5.2
BJI V 13 16 54 49.0–.00 33.00S 71.90W 30 5.1b,5.2
GCMT V 13 16 54 51.3–.20 32.90S–.01 72.12W–.02 28–0 5.2W,5.2
ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2s1 Moment tensor: Scale 10^{16}Nm; M_{rr}4.09 $M_{\theta\theta}$0.73 $M_{\phi\phi}$-4.82 $M_{r\theta}$-0.16 $M_{\theta\phi}$-1.42 $M_{\phi r}$-5.49 NP1:ϕ_s183.47000°,δ70.28000°,λ81.43000°. NP2:ϕ_s27.52000°,δ21.44000°,λ112.56000°. Principal axes: T 6.7411,Plg64.0000°,Azm80.0000°; N 0.9101,Plg8.0000°,Azm186.0000°; P -7.6512,Plg25.0000°,Azm280.0000° $M_0$7.20000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s101,c136; s104,c161;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.61±.02 $M_{\theta\theta}$0.03±.01; $M_{\phi\phi}$-0.63±.01; $M_{r\theta}$-0.09±.02; $M_{\theta\phi}$-0.04±.01; $M_{\phi r}$-0.73±.03; Best double couple: NP1:ϕ_s186.00000°,δ70.00000°,λ92.00000°. NP2:ϕ_s360.00000°,δ20.00000°,λ84.00000°. Principal axes: T 0.9460,Plg65.0000°,Azm100.0000°; N 0.0260,Plg2.0000°,Azm5.0000°; P -0.9730,Plg25.0000°,Azm274.0000° $M_0$0.96000×10^{17}

ISC V 15 06 56 24.4–1.5 33.07S–.03 72.21W–.07 19–3 52 0-5
SJA V 15 06 56 22.9–2.0 33.02S 72.33W 10 3.5W,3.5L ¶612738839
GUC V 15 06 56 27.9–.78 33.10S 72.08W 24–7 3.5L,3.5L
ISC Event type ke.
SJA Error ellipse: s-maj=5.5km s-min=14.6km az=-1.0.
GUC Error ellipse: s-maj=1.9km s-min=3.2km az=-1.0.
GUC V 15 09 17 51.3–.72 32.94S 72.00W 20–5 2.5L ¶612738842
GUC Error ellipse: s-maj=2.0km s-min=3.7km az=-1.0.
ISC V 16 02 16 29.0–1.2 32.97S–.03 72.22W–.05 18–5 3.9b,3.8s 102 0-156
IDC V 16 02 16 27.9–1.4 32.85S 72.14W 0 4.0L,3.7 ¶610690375
NEIC V 16 02 16 27.3–1.4 32.97S–.03 72.29W–.05 13–5 4.2,4.1b
NEIC V 16 02 16 27.4 32.97S 72.28W 13 4.2,4.1b
GUC V 16 02 16 29.3–.74 32.97S 72.12W 31–2 3.9L,4.1b
ISC Event type se.
IDC Error ellipse: s-maj=31.8km s-min=22.2km az=161.0.
NEIC Event type se. Error ellipse: s-maj=6.6km s-min=4.2km az=70.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}0.42 $M_{\theta\theta}$0.13 $M_{\phi\phi}$-0.56 $M_{r\theta}$0.41 $M_{\theta\phi}$-1.98 $M_{\phi r}$-1.03 NP1:ϕ_s178.04000°,δ79.12000°,λ28.92000°. NP2:ϕ_s82.09000°,δ61.65000°,λ167.62000°. Principal axes: T 2.3171,Plg28.0000°,Azm44.0000°; N 0.0080,Plg59.0000°,Azm197.0000°; P -2.3250,Plg12.0000°,Azm307.0000° $M_0$2.32000×10^{15}
NEIC Event type se.
GUC Error ellipse: s-maj=1.7km s-min=2.3km az=-1.0.
ISC V 16 20 41 38.6–2.3 32.13S–.02 72.02W–.06 3–15 68 1-8
SJA V 16 20 41 38.6–.64 32.16S 72.12W 20–4 4.1W,4.1L ¶612738871
GUC V 16 20 41 40.8–.75 32.07S 71.93W 29–2 3.7L,4.1L
ISC Event type ke.
SJA Error ellipse: s-maj=2.2km s-min=4.9km az=-1.0.
GUC Error ellipse: s-maj=1.3km s-min=3.5km az=-1.0.
ISC V 17 07 11 58.9–1.5 32.93S–.02 72.28W–.04 4–10 85 1-126
SJA V 17 07 11 48.2–1.5 33.04S 73.40W 10 4.0W,4.0L ¶610690470
IDC V 17 07 11 59.5–1.8 32.99S 72.30W 0 3.7b,3.5
GUC V 17 07 12 02.4–.76 32.98S 72.15W 20–9 3.5L,3.5
ISC Event type se.
SJA Error ellipse: s-maj=15.6km s-min=15.4km az=-1.0.
IDC Error ellipse: s-maj=33.2km s-min=30.8km az=146.0.
GUC Error ellipse: s-maj=2.1km s-min=2.9km az=-1.0.
ISC V 18 00 44 54.3–.50 32.96S–.03 72.36W–.04 10 4.4b,3.7s 190 1-172
SJA V 18 00 44 52.5–.51 32.80S 72.71W 10 4.5L,4.3W ¶610690537
IDC V 18 00 44 54.5–1.0 32.97S 72.02W 0 4.1b,3.9
NEIC V 18 00 44 54.7–1.9 33.02S–.04 72.41W–.05 12–4 4.5b,4.2
NEIC V 18 00 44 54.4 33.01S 72.38W 7 4.5b,4.2
GUC V 18 00 44 55.6–.87 33.02S 72.39W 36–2 4.2L,4.2
VAO V 18 00 44 57.1–.58 32.97S 72.02W 10 4.2b,4.2
ISC Event type se.
SJA Error ellipse: s-maj=3.9km s-min=5.0km az=-1.0.
IDC Error ellipse: s-maj=34.8km s-min=18.5km az=103.0.
NEIC Event type se. Error ellipse: s-maj=6.3km s-min=5.5km az=69.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}1.94 $M_{\theta\theta}$0.22 $M_{\phi\phi}$-2.15 $M_{r\theta}$0.43 $M_{\theta\phi}$-0.14 $M_{\phi r}$-0.34 NP1:ϕ_s170.24000°,δ50.95000°,λ72.50000°. NP2:ϕ_s16.83000°,δ42.21000°,λ110.34000°. Principal axes: T 2.0706,Plg76.0000°,Azm21.0000°; N 0.1177,Plg14.0000°,Azm181.0000°; P -2.1883,Plg4.0000°,Azm273.0000° $M_0$2.13000×10^{15}
NEIC Event type se.
GUC Error ellipse: s-maj=2.2km s-min=3.0km az=-1.0.
VAO Error ellipse: s-maj=5.1km s-min=8.2km az=-1.0.
ISC V 22 10 12 58.0–2.7 29.37S–.03 72.03W–.08 10–17 41 1-5
SJA V 22 10 12 56.0–.71 29.36S 72.14W 16–3 3.8W,3.5L ¶612738979
GUC V 22 10 12 58.9–.64 29.38S 71.93W 38–3 3.2L,3.5L
ISC Event type ke.
SJA Error ellipse: s-maj=2.5km s-min=4.3km az=-1.0.
GUC Error ellipse: s-maj=1.2km s-min=3.0km az=-1.0.
ISC V 23 01 05 11.5–1.3 32.90S–.03 72.09W–.04 13–8 4.3b,3.5s 116 0-156
SJA V 23 01 05 08.7–.65 32.92S 72.26W 13–12 4.5L,4.2W ¶611150864
IDC V 23 01 05 09.9–.98 32.90S 72.05W 0 4.1b,4.0
NEIC V 23 01 05 11.8–1.7 32.92S–.03 72.17W–.04 16–4 4.4b,4.3L
NEIC V 23 01 05 12.4 32.92S 72.14W 21 4.4b,4.3L
GUC V 23 01 05 13.9–.81 32.94S 72.07W 24–21 4.3L,4.3L
ISC Event type se.
SJA Error ellipse: s-maj=2.8km s-min=17.1km az=-1.0.
IDC Error ellipse: s-maj=28.7km s-min=26.4km az=60.0.
NEIC Event type se. Error ellipse: s-maj=6.1km s-min=2.9km az=52.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}1.16 $M_{\theta\theta}$-0.08 $M_{\phi\phi}$-1.08 $M_{r\theta}$1.23 $M_{\theta\phi}$-0.10 $M_{\phi r}$0.92 NP1:ϕ_s40.16000°,δ73.11000°,λ107.39000°. NP2:ϕ_s173.03000°,δ24.06000°,λ45.46000°. Principal axes: T 2.0851,Plg58.0000°,Azm334.0000°; N -0.4518,Plg17.0000°,Azm215.0000°; P -1.6333,Plg26.0000°,Azm117.0000° $M_0$1.90000×10^{15}
NEIC Event type se.
GUC Error ellipse: s-maj=1.8km s-min=5.6km az=-1.0.
ISC V 23 02 06 47.4–2.0 30.45S–.04 72.15W–.08 12–10 39 0-5
SJA V 23 02 06 45.5–.48 30.35S 72.49W 22–9 3.7W,3.4L ¶612738982
GUC V 23 02 06 49.4–.68 30.53S 72.15W 28–7 3.2L,3.4L
ISC Event type ke.
SJA Error ellipse: s-maj=2.0km s-min=9.9km az=-1.0.
GUC Error ellipse: s-maj=3.1km s-min=5.9km az=-1.0.
ISC V 23 16 29 56.9–1.4 30.49S–.02 72.11W–.05 5–11 48 1-5
SJA V 23 16 30 00.0–.72 30.45S 72.03W 14–7 3.6W,3.5L ¶612738991
GUC V 23 16 30 00.8–.71 30.44S 71.91W 46–9 3.8L,3.5L
ISC Event type ke.
SJA Error ellipse: s-maj=2.8km s-min=6.1km az=-1.0.
GUC Error ellipse: s-maj=1.8km s-min=5.3km az=-1.0.
GUC V 24 17 15 33.8–.57 34.72S 73.97W 22–5 3.6L ¶612739007
GUC Error ellipse: s-maj=4.1km s-min=4.3km az=-1.0.
ISC V 26 07 01 31.5–1.6 32.99S–.03 72.16W–.06 12–9 56 0-6
SJA V 26 07 01 32.2–1.1 33.00S 72.13W 24–5 3.5W,3.4L ¶612739031
GUC V 26 07 01 36.2–.70 33.04S 71.92W 24–24 3.4L,3.4L
ISC Event type ke.
SJA Error ellipse: s-maj=3.3km s-min=6.4km az=-1.0.
GUC Error ellipse: s-maj=2.0km s-min=5.6km az=-1.0.
ISC V 29 22 24 33.1–1.3 32.93S–.02 72.17W–.04 14–8 4.2b 124 0-172
SJA V 29 22 24 30.4–.73 32.94S 72.26W 15–3 4.0W,3.8L ¶610685671
IDC V 29 22 24 31.5–1.1 33.02S 72.05W 0 3.9b,3.8L
NEIC V 29 22 24 33.4–1.4 32.94S–.05 72.14W–.05 17–5 4.3b,3.9
NEIC V 29 22 24 33.2 32.94S 72.16W 16 4.3b,3.9
GUC V 29 22 24 34.5–.65 32.94S 72.01W 32–3 3.9L,3.9
ISC Event type se.
SJA Error ellipse: s-maj=1.7km s-min=3.5km az=-1.0.
IDC Error ellipse: s-maj=29.5km s-min=22.1km az=148.0.
NEIC Event type se. Error ellipse: s-maj=6.7km s-min=3.8km az=103.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}0.85 $M_{\theta\theta}$-0.06 $M_{\phi\phi}$-0.80 $M_{r\theta}$-0.06 $M_{\theta\phi}$0.05 $M_{\phi r}$-0.64 NP1:ϕ_s181.81000°,δ64.07000°,λ94.34000°. NP2:ϕ_s351.96000°,δ26.27000°,λ81.15000°. Principal axes: T 1.0807,Plg71.0000°,Azm101.0000°; N -0.0631,Plg4.0000°,Azm360.0000°; P -1.0176,Plg19.0000°,Azm269.0000° $M_0$1.05000×10^{15}
NEIC Event type se.
GUC Error ellipse: s-maj=1.5km s-min=2.9km az=-1.0.
ISC V 30 06 45 55.7–1.6 32.93S–.04 72.32W–.06 13–9 4.2b 72 1-126
IDC V 30 06 45 52.6–2.6 32.77S 72.72W 0 4.1b,3.7 ¶610685697
NEIC V 30 06 45 56.9–1.4 32.93S–.04 72.28W–.07 18–9 4.2b,4.0L
GUC V 30 06 45 58.5–.76 32.96S 72.18W 32–4 4.0L,4.0L
ISC Event type se.
IDC Error ellipse: s-maj=48.4km s-min=29.4km az=101.0.
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=5.2km az=92.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=2.1km s-min=3.2km az=-1.0.
ISC V 30 09 51 40.7–1.5 35.71S–.04 73.29W–.06 4–10 76 1-55
NEIC V 30 09 51 43.3–1.0 35.75S–.04 73.28W–.06 23–6 4.4b,4.0L ¶610656108
GUC V 30 09 51 43.2–.63 35.72S 73.32W 24–5 4.0L,4.0L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=7.3km s-min=5.0km az=121.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=2.1km s-min=3.5km az=-1.0.
ISC V 30 11 19 30.4–.63 35.70S–.04 73.33W–.06 10 4.2b 87 1-86
IDC V 30 11 19 30.7–1.1 35.72S 73.04W 0 3.9L,3.8 ¶610656114
NEIC V 30 11 19 31.2–1.2 35.73S–.03 73.42W–.07 17–5 4.4b,4.1
NEIC V 30 11 19 31.7 35.72S 73.42W 21 4.4b,4.1
GUC V 30 11 19 32.9–.64 35.75S 73.27W 25–5 4.1L,4.1
ISC Event type se.
IDC Error ellipse: s-maj=28.2km s-min=17.4km az=88.0.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=2.6km az=117.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}1.59 $M_{\theta\theta}$-0.51 $M_{\phi\phi}$-1.07 $M_{r\theta}$-0.01 $M_{\theta\phi}$-0.55 $M_{\phi r}$-0.65 NP1:ϕ_s201.02000°,δ56.13000°,λ79.03000°. NP2:ϕ_s40.21000°,δ35.40000°,λ105.83000°. Principal axes: T 1.7435,Plg76.0000°,Azm77.0000°; N -0.2247,Plg9.0000°,Azm207.0000°; P -1.5187,Plg11.0000°,Azm299.0000° $M_0$1.64000×10^{15}
NEIC Event type se.
GUC Error ellipse: s-maj=2.7km s-min=4.9km az=-1.0.
GUC V 31 06 53 24.0–.37 38.41S 75.06W 23–6 3.9L ¶612739118
GUC Error ellipse: s-maj=3.3km s-min=6.7km az=-1.0.
ISC V 31 20 01 01.7–1.7 33.02S–.04 72.21W–.06 11–10 52 0-4
SJA V 31 20 01 00.9–1.5 33.04S 72.28W 26–7 3.5W,3.4L ¶612739130
GUC V 31 20 01 04.5–.82 33.01S 72.09W 26–16 3.4L,3.4L
ISC Event type ke.
SJA Error ellipse: s-maj=4.2km s-min=9.6km az=-1.0.
GUC Error ellipse: s-maj=2.2km s-min=3.3km az=-1.0.
ISC V 31 20 04 51.5–1.4 33.04S–.02 72.13W–.05 18–4 69 0-4
SJA V 31 20 04 48.4–.76 33.02S 72.26W 16–5 3.8W,3.7L ¶612739131
GUC V 31 20 04 53.0–.70 33.01S 72.06W 27–9 3.7L,3.7L
ISC Event type ke.
SJA Error ellipse: s-maj=2.7km s-min=5.1km az=-1.0.
GUC Error ellipse: s-maj=1.7km s-min=2.7km az=-1.0.
ISC VI 01 06 29 15.3–1.9 29.74S–.03 72.22W–.08 9–11 50 1-5
SJA VI 01 06 29 14.3–.71 29.78S 72.34W 16–4 3.8W,3.5L ¶612739137
GUC VI 01 06 29 17.8–.71 29.79S 72.05W 40–5 3.5L,3.5L
ISC Event type ke.
SJA Error ellipse: s-maj=2.4km s-min=4.8km az=-1.0.
GUC Error ellipse: s-maj=2.1km s-min=4.1km az=-1.0.
ISC VI 04 22 36 26.4–1.4 29.65S–.04 72.30W–.05 23–11 4.2b 88 1-154
IDC VI 04 22 36 24.5–.96 29.70S 71.97W 0 4.1b,4.0 ¶610791260
NEIC VI 04 22 36 26.4–1.6 29.66S–.04 72.05W–.08 17–2 4.2L,4.1
GUC VI 04 22 36 26.1–.78 29.64S 72.04W 37–3 4.2L,4.1
NEIC VI 04 22 36 27.7 29.66S 72.03W 28 4.2L,4.1
ISC Event type se.
IDC Error ellipse: s-maj=30.5km s-min=24.5km az=128.0.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=5.8km az=91.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}1.76 $M_{\theta\theta}$0.05 $M_{\phi\phi}$-1.81 $M_{r\theta}$0.03 $M_{\theta\phi}$-0.19 $M_{\phi r}$0.03 NP1:ϕ_s185.04000°,δ44.43000°,λ88.91000°. NP2:ϕ_s6.56000°,δ45.58000°,λ91.07000°. Principal axes: T 1.7595,Plg89.0000°,Azm329.0000°; N 0.0681,Plg1.0000°,Azm186.0000°; P -1.8276,Plg1.0000°,Azm96.0000° $M_0$1.79000×10^{15}
GUC Error ellipse: s-maj=1.9km s-min=4.3km az=-1.0.
NEIC Event type se.
ISC VI 05 03 21 44.1–1.4 33.18S–.03 72.22W–.05 17–9 46 1-5
SJA VI 05 03 21 40.8–.70 33.20S 72.41W 12–5 3.6W,3.6L ¶612739209
GUC VI 05 03 21 47.0–.65 33.16S 72.08W 23–6 3.6L,3.6L
ISC Event type ke.
SJA Error ellipse: s-maj=2.9km s-min=5.8km az=-1.0.
GUC Error ellipse: s-maj=1.7km s-min=3.0km az=-1.0.
ISC VI 06 02 03 00.3–3.4 37.98S–.04 75.16W–.07 11–21 4.3b,3.5s 78 1-91
IDC VI 06 02 02 58.8–1.0 38.03S 75.35W 0 4.1L,4.0 ¶610791311
NEIC VI 06 02 02 59.2–1.2 37.91S–.04 75.34W–.09 10–2 4.3b,4.1L
NEIC VI 06 02 02 59.1 37.92S 75.35W 10 4.3b,4.1L
GUC VI 06 02 03 02.4–.53 37.87S 75.01W 24–11 4.1L,4.1L
ISC Event type se.
IDC Error ellipse: s-maj=27.6km s-min=20.7km az=83.0.
NEIC Event type se. Error ellipse: s-maj=12.6km s-min=6.4km az=251.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}0.37 $M_{\theta\theta}$-0.39 $M_{\phi\phi}$0.02 $M_{r\theta}$0.81 $M_{\theta\phi}$1.02 $M_{\phi r}$0.04 NP1:ϕ_s351.20000°,δ49.06000°,λ166.24000°. NP2:ϕ_s90.32000°,δ79.65000°,λ41.77000°. Principal axes: T 1.2587,Plg36.0000°,Azm320.0000°; N 0.1833,Plg47.0000°,Azm102.0000°; P -1.4420,Plg20.0000°,Azm214.0000° $M_0$1.36000×10^{15}
NEIC Event type se.
GUC Error ellipse: s-maj=1.9km s-min=5.3km az=-1.0.
ISC VI 08 01 13 19.9–2.4 33.36S–.04 72.37W–.07 11–14 41 1-157
IDC VI 08 01 13 18.8–1.6 33.38S 72.38W 0 4.0L,3.7 ¶610791433
GUC VI 08 01 13 20.4–.77 33.38S 72.43W 28–8 3.9L,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=40.8km s-min=30.8km az=92.0.
GUC Error ellipse: s-maj=2.4km s-min=3.5km az=-1.0.
ISC VI 09 07 41 19.4–1.7 30.64S–.03 72.27W–.06 2–11 50 1-5
SJA VI 09 07 41 19.3–4.0 30.62S 72.29W 8–20 3.7L,3.5W ¶612739281
GUC VI 09 07 41 24.2–.77 30.61S 72.05W 28–4 3.9L,3.5W
ISC Event type ke.
SJA Error ellipse: s-maj=10.6km s-min=17.5km az=-1.0.
GUC Error ellipse: s-maj=2.6km s-min=4.4km az=-1.0.
ISC VI 10 16 09 20.4–1.4 33.05S–.02 72.28W–.04 6–8 4.4b,3.8s 130 1-156
SJA VI 10 16 09 18.4–.71 33.07S 72.38W 9–2 4.1W,4.1L ¶610791602
IDC VI 10 16 09 20.8–.95 33.00S 71.98W 0 4.3b,4.1
NEIC VI 10 16 09 21.5–2.5 33.06S–.04 72.26W–.05 10–1 4.5b,4.2L
GUC VI 10 16 09 23.7–.70 33.08S 72.14W 22–7 4.2L,4.2L
VAO VI 10 16 10 07.2–3.0 31.60S 70.53W 330–27 4.0b,4.2L
ISC Event type se.
SJA Error ellipse: s-maj=1.4km s-min=4.1km az=-1.0.
IDC Error ellipse: s-maj=25.6km s-min=18.5km az=133.0.
NEIC Event type se. Error ellipse: s-maj=8.1km s-min=4.2km az=130.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=1.9km s-min=3.2km az=-1.0.
VAO Error ellipse: s-maj=11.3km s-min=15.8km az=-1.0.
ISC VI 14 09 01 10.4–2.0 34.96S–.05 73.68W–.06 11–12 3.9b 45 1-70
IDC VI 14 09 01 11.0–1.4 34.69S 73.83W 0 3.7L,3.6 ¶610791849
GUC VI 14 09 01 13.2–.58 34.65S 73.65W 13–6 3.6L,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=27.1km s-min=24.0km az=136.0.
GUC Error ellipse: s-maj=2.4km s-min=6.3km az=-1.0.
ISC VI 14 17 28 37.0–3.4 39.98S–.05 75.15W–.07 0–21 3.9b,3.8s 28 1-162

IDC VI 14 17 28 37.5–1.2 39.84S 75.04W 0 4.0L,3.8b **¶610791876**
GUC VI 14 17 28 41.2–.73 40.00S 75.10W 22–4 3.9L,3.8b
ISC Event type ke.
IDC Error ellipse: s-maj=31.5km s-min=26.0km az=86.0.
GUC Error ellipse: s-maj=3.1km s-min=4.2km az=-1.0.
ISC VI 19 20 10 00.8–1.3 38.11S–.03 74.01W–.07 8–8 4.0b,3.7s 79 0-170
NEIC VI 19 20 10 00.1–.91 38.12S–.05 74.02W–.05 15–4 4.4,4.3 **¶610686569**
NEIC VI 19 20 10 00.7 38.12S 74.04W 21 4.4,4.3
GUC VI 19 20 10 01.8–.74 38.12S 74.01W 23–4 4.6L,4.3
IDC VI 19 20 10 01.0–.85 38.19S 74.01W 0 4.1L,3.9
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=6.6km s-min=5.2km az=184.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}0.73 $M_{\theta\theta}$-0.66 $M_{\phi\phi}$-0.07 $M_{r\theta}$-0.18 $M_{\theta\phi}$-0.98 $M_{\phi r}$-2.87 NP1:ϕ_s189.45000°,δ84.07000°,λ70.29000°. NP2:ϕ_s83.37000°,δ20.55000°,λ162.89000°. Principal axes: T 3.2995,Plg47.0000°,Azm79.0000°; N -0.3993,Plg20.0000°,Azm192.0000°; P -2.9002,Plg36.0000°,Azm297.0000° $M_0$3.12000$\times10^{15}$
NEIC Event type se.
GUC Error ellipse: s-maj=1.6km s-min=9.6km az=-1.0.
IDC Error ellipse: s-maj=27.1km s-min=16.1km az=66.0.
ISC VI 20 11 37 00.0–2.1 33.08S–.04 72.0W–.10 21–4 50 0-7
SJA VI 20 11 36 51.9–.51 32.87S 72.71W 12 3.9L,3.7W **¶612739484**
GUC VI 20 11 37 01.7–.74 33.11S 71.90W 27–5 3.8L,3.7W
ISC Event type ke.
SJA Error ellipse: s-maj=4.5km s-min=4.6km az=-1.0.
GUC Error ellipse: s-maj=1.9km s-min=2.9km az=-1.0.
ISC VI 22 08 29 48.6–1.1 35.45S–.05 74.44W–.07 35 3.7b 31 2-87
IDC VI 22 08 29 44.3–1.7 35.72S 74.84W 0 4.0L,3.6 **¶610789259**
GUC VI 22 08 29 46.9–.52 35.40S 74.24W 20–5 3.8L,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=39.8km s-min=28.6km az=44.0.
GUC Error ellipse: s-maj=3.9km s-min=4.7km az=-1.0.
ISC VI 25 03 29 33.3–1.8 32.28S–.03 72.06W–.06 13–11 55 1-7
SJA VI 25 03 29 26.7–1.1 32.09S 72.97W 10 4.0L,3.7W **¶612739561**
GUC VI 25 03 29 35.2–.78 32.27S 71.98W 24–22 3.4L,3.7W
ISC Event type ke.
SJA Error ellipse: s-maj=5.0km s-min=9.1km az=-1.0.
GUC Error ellipse: s-maj=1.3km s-min=6.3km az=-1.0.
ISC VI 29 13 23 08.6–1.4 32.49S–.03 72.04W–.07 15–9 43 1-165
IDC VI 29 13 23 05.8–1.5 32.42S 72.43W 0 4.2b,3.8 **¶610789722**
GUC VI 29 13 23 12.1–.71 32.51S 71.87W 24–14 3.8L,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=40.9km s-min=31.9km az=122.0.
GUC Error ellipse: s-maj=1.7km s-min=3.7km az=-1.0.
ISC VI 30 10 45 41.9–1.9 31.70S–.03 72.14W–.05 4–13 76 1-152
SJA VI 30 10 45 40.8–.70 31.67S 72.30W 20–3 4.0W,3.8L **¶610789782**
IDC VI 30 10 45 41.8–3.0 31.68S 72.05W 0 4.1b,3.7
GUC VI 30 10 45 44.9–.74 31.69S 72.04W 40–4 3.8L,3.7
ISC Event type ke.
SJA Error ellipse: s-maj=1.6km s-min=4.6km az=-1.0.
IDC Error ellipse: s-maj=117.7km s-min=30.9km az=98.0.
GUC Error ellipse: s-maj=1.6km s-min=3.9km az=-1.0.

(135) Near coast of central Chile.

ISC I 01 03 25 37.1–.65 29.68S–.03 71.43W–.04 45–6 4.2b,3.8s 150 0-173
VAO I 01 03 25 18.7–1.9 30.68S 72.61W 10 4.5b,3.8s **¶609947723**
IDC I 01 03 25 31.3–.99 29.77S 71.14W 0 4.0,4.0b
SJA I 01 03 25 34.7–.74 29.70S 71.41W 13 4.3L,4.0W
GUC I 01 03 25 38.3–.83 29.71S 71.19W 47–2 4.4L,4.0W
NEIC I 01 03 25 38.5–2.2 29.63S–.03 71.33W–.09 42–7 4.4L,4.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}1.49 $M_{\theta\theta}$0.34 $M_{\phi\phi}$-1.83 $M_{r\theta}$0.61 $M_{\theta\phi}$-0.24 $M_{\phi r}$-0.19 NP1:ϕ_s164.16000°,δ51.77000°,λ58.70000°. NP2:ϕ_s28.66000°,δ47.84000°,λ123.41000°. Principal axes: T 1.7703,Plg66.0000°,Azm10.0000°; N 0.0888,Plg24.0000°,Azm185.0000°; P -1.8591,Plg2.0000°,Azm276.0000° $M_0$1.82000$\times10^{15}$
ISC I 01 07 50 19.1–1.2 29.88S–.02 71.74W–.04 15–8 4.2b 143 0-154
SJA I 01 07 50 17.0–.81 29.97S 71.94W 5–4 4.2L,3.8W **¶610236367**
IDC I 01 07 50 18.5–1.0 30.12S 71.66W 0 3.9b,3.7
NEIC I 01 07 50 21.4–2.5 30.00S–.05 71.78W–.07 40–6 4.4L,4.3b
GUC I 01 07 50 22.4–.78 30.02S 71.53W 44–2 4.4L,4.3b
ISC Event type se.
SJA Error ellipse: s-maj=1.8km s-min=4.7km az=-1.0.
IDC Error ellipse: s-maj=30.3km s-min=20.5km az=142.0.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=6.6km az=119.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=1.8km s-min=5.3km az=-1.0.
ISC I 01 10 20 10.7–1.2 30.00S–.03 71.80W–.05 20–5 4.1b 81 0-151
IDC I 01 10 20 07.5–1.2 29.97S 71.92W 0 3.8,3.8b **¶610236380**
NEIC I 01 10 20 10.7–2.4 29.99S–.05 71.85W–.06 18–6 4.4b,4.3L
NEIC I 01 10 20 10.7 29.99S 71.85W 18 4.4b,4.3L
GUC I 01 10 20 12.1–.71 30.05S 71.68W 36–3 4.3L,4.3L
ISC Event type se.
IDC Error ellipse: s-maj=31.8km s-min=24.5km az=52.0.
NEIC Event type se. Error ellipse: s-maj=7.2km s-min=6.8km az=100.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}2.40 $M_{\theta\theta}$6.19 $M_{\phi\phi}$-8.59 $M_{r\theta}$4.51 $M_{\theta\phi}$3.74 $M_{\phi r}$-1.75 NP1:ϕ_s125.59000°,δ78.52000°,λ32.34000°. NP2:ϕ_s28.41000°,δ58.38000°,λ166.49000°. Principal axes: T 9.4617,Plg31.0000°,Azm352.0000°; N 0.6704,Plg56.0000°,Azm143.0000°; P -10.1320,Plg13.0000°,Azm253.0000° $M_0$9.81000$\times10^{14}$
NEIC Event type se.
GUC Error ellipse: s-maj=1.8km s-min=3.9km az=-1.0.
ISC I 01 15 19 04.7–1.5 28.79S–.02 71.69W–.04 4–9 4.3b 198 1-153
SJA I 01 15 19 04.3–.83 28.77S 71.82W 22–4 4.4L,4.3W **¶609950084**
IDC I 01 15 19 04.5–.79 28.94S 71.37W 0 4.1b,4.0
NEIC I 01 15 19 05.3–1.4 28.79S–.04 71.67W–.02 7–5 4.3b,4.1L
GUC I 01 15 19 09.1–.89 28.85S 71.47W 39–3 4.1L,4.1L
VAO I 01 15 19 12.5–.51 29.10S 71.45W 10 4.1L,4.1L
ISC Event type se.
SJA Error ellipse: s-maj=1.8km s-min=4.3km az=-1.0.
IDC Error ellipse: s-maj=25.2km s-min=23.4km az=11.0.
NEIC Event type se. Error ellipse: s-maj=6.4km s-min=1.9km az=195.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=1.6km s-min=4.0km az=-1.0.
VAO Error ellipse: s-maj=3.7km s-min=4.9km az=-1.0.
ISC I 01 18 02 52.1–.68 32.11S–.02 71.33W–.05 83–6 4.1b 144 0-155
SJA I 01 18 02 52.1–.67 32.11S 71.28W 84–4 4.2L,3.9W **¶610236404**
NEIC I 01 18 02 52.8–1.6 32.08S–.05 71.3W–.10 90–4 4.4b,4.2L
IDC I 01 18 02 52.5–4.3 32.07S 70.81W 67–39 4.1L,3.8
GUC I 01 18 02 53.6–.73 32.12S 71.18W 88–3 4.2L,3.8
ISC Event type se.
SJA Error ellipse: s-maj=0.9km s-min=3.1km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=13.9km s-min=6.7km az=98.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=46.6km s-min=33.4km az=146.0.
GUC Error ellipse: s-maj=0.9km s-min=3.5km az=-1.0.
ISC I 03 18 43 47.3–1.5 34.14S–.03 72.34W–.05 11–9 4.3b,4.0s 108 0-157
IDC I 03 18 43 45.6–1.2 34.00S 72.25W 0 4.1b,3.9s **¶609975325**
GUC I 03 18 43 48.0–.75 34.16S 72.40W 10–3 4.0L,3.9s
NEIC I 03 18 43 48.0–1.5 34.15S–.02 72.44W–.06 19–7 4.3b,4.0L
VAO I 03 18 43 53.7–1.3 34.14S 71.94W 41–21 4.2b,4.0L
ISC Event type se.
IDC Error ellipse: s-maj=41.9km s-min=24.8km az=166.0.
GUC Error ellipse: s-maj=1.8km s-min=3.6km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=8.2km s-min=1.5km az=113.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Error ellipse: s-maj=8.8km s-min=9.3km az=-1.0.
ISC I 04 13 24 03.7–.32 30.29S–.02 71.74W–.03 41–2 5.0b,4.0s 495 1-176
SJA I 04 13 23 59.1–.70 30.24S 71.92W 24–2 5.1L,4.9W **¶609978254**
IDC I 04 13 24 03.9–.45 30.28S 71.41W 43–3 4.6,4.4b
GUC I 04 13 24 04.5–.66 30.31S 71.53W 49–2 5.1L,4.4b
NEIC I 04 13 24 04.7–1.7 30.28S–.03 71.54W–.06 45–4 5.0,5.0b
VAO I 04 13 24 05.2–.82 30.21S 71.49W 38–7 4.9b,5.0b
GCMT I 04 13 24 06.7–.40 30.51S–.03 71.64W–.03 32–1 5.0W,5.0b
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s327.79407°,δ65.13386°,λ42.79310°. NP2:ϕ_s216.52345°,δ51.94833°,λ147.72400°. Principal axes: T Plg47.1536°,Azm188.0626°; N Plg41.7423°,Azm352.2220°; P Plg7.9612°,Azm89.3905° Moment Tensor Solution. NP1:ϕ_s303.61395°,δ81.97708°,λ80.59959°. NP2:ϕ_s173.48198°,δ12.33513°,λ139.20734°. Principal axes: T Plg52.1363°,Azm202.7681°; N Plg9.3076°,Azm304.9376°; P Plg36.3057°,Azm41.8537°
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}2.52 $M_{\theta\theta}$0.05 $M_{\phi\phi}$-2.57 $M_{r\theta}$-0.47 $M_{\theta\phi}$0.76 $M_{\phi r}$0.34 NP1:ϕ_s173.94000°,δ40.86000°,λ103.43000°. NP2:ϕ_s336.42000°,δ50.48000°,λ78.64000°. Principal axes: T 2.6139,Plg80.0000°,Azm193.0000°; N 0.1975,Plg9.0000°,Azm344.0000°; P -2.8114,Plg5.0000°,Azm74.0000° $M_0$2.72000$\times10^{16}$
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s31,c35; s58,c67;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.33$\pm$.21 $M_{\theta\theta}$-0.28$\pm$.13; $M_{\phi\phi}$-3.05$\pm$.16; $M_{r\theta}$-1.61$\pm$.16; $M_{\theta\phi}$1.33$\pm$.11; $M_{\phi r}$0.72$\pm$.25; Best double couple: NP1:ϕ_s320.00000°,δ58.00000°,λ69.00000°. NP2:ϕ_s175.00000°,δ38.00000°,λ119.00000°. Principal axes: T 3.9500,Plg70.0000°,Azm185.0000°; N -0.1280,Plg17.0000°,Azm332.0000°; P -3.8220,Plg11.0000°,Azm65.0000° $M_0$3.88600$\times10^{16}$
ISC I 09 00 40 35.0–.70 29.65S–.03 71.39W–.06 47–6 4.4b 107 0-173
IDC I 09 00 40 27.3–1.1 29.61S 71.71W 0 4.2b,4.1 **¶610049857**
NEIC I 09 00 40 35.0–1.9 29.66S–.04 71.43W–.06 44–11 4.3b,4.1L
GUC I 09 00 40 35.6–.74 29.69S 71.18W 45–2 4.1L,4.1L
VAO I 09 00 40 38.0–4.7 29.44S 72.91W 10 4.3b,4.1L
ISC Event type se.
IDC Error ellipse: s-maj=35.0km s-min=25.7km az=94.0.
NEIC Event type se. Error ellipse: s-maj=8.7km s-min=3.7km az=120.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=1.4km s-min=3.6km az=-1.0.
VAO Error ellipse: s-maj=48.4km s-min=28.7km az=-1.0.
ISC I 09 08 08 28.2–.81 39.38S–.04 73.20W–.05 65–9 71 0-24
NEIC I 09 08 08 28.5–3.0 39.40S–.02 73.18W–.10 63–8 4.2b,3.6L **¶610570543**
GUC I 09 08 08 30.6–.58 39.39S 73.17W 52–3 3.6L,3.6L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=2.3km az=97.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=1.5km s-min=2.4km az=-1.0.
ISC I 12 19 23 52.9–.92 30.37S–.02 71.83W–.03 8–5 4.7b,3.9s 245 1-154
IDC I 12 19 23 51.6–.71 30.33S 71.89W 0 4.1,4.1b **¶610068605**
SJA I 12 19 23 52.8–.74 30.35S 71.88W 14 4.7L,4.4W
NEIC I 12 19 23 57.7–1.6 30.38S–.05 71.6W–.10 33–4 4.7b,4.6L
GUC I 12 19 23 57.5–.72 30.40S 71.49W 24–7 4.7L,4.6L
NEIC I 12 19 23 57.7 30.38S 71.58W 33 4.7L,4.6L
ISC Event type se.
IDC Error ellipse: s-maj=22.7km s-min=20.1km az=172.0.
SJA Error ellipse: s-maj=1.6km s-min=3.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=12.5km s-min=6.6km az=97.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}3.70 $M_{\theta\theta}$-0.89 $M_{\phi\phi}$-2.81 $M_{r\theta}$-0.04 $M_{\theta\phi}$2.08 $M_{\phi r}$-3.31 NP1:ϕ_s167.69000°,δ65.68000°,λ108.84000°. NP2:ϕ_s308.04000°,δ30.41000°,λ54.45000°. Principal axes: T 5.2098,Plg64.0000°,Azm109.0000°; N -0.1339,Plg17.0000°,Azm340.0000°; P -5.0759,Plg19.0000°,Azm244.0000° $M_0$5.14000$\times10^{15}$
GUC Error ellipse: s-maj=2.6km s-min=3.8km az=-1.0.
NEIC Event type se.
ISC I 13 13 43 03.5–1.2 30.71S–.03 71.43W–.09 45–13 47 1-151
IDC I 13 13 42 56.2–2.1 30.45S 71.97W 0 3.7L,3.5 **¶610237297**
GUC I 13 13 43 03.1–.75 30.71S 71.39W 48–4 4.0L,3.5
NEIC I 13 13 43 04.2–1.1 30.73S–.02 71.3W–.10 50–7 4.4b,4.0
NEIC I 13 13 43 04.2 30.73S 71.28W 52 4.4b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=57.3km s-min=44.3km az=125.0.
GUC Error ellipse: s-maj=1.8km s-min=5.0km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=15.7km s-min=2.0km az=86.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}1.03 $M_{\theta\theta}$-0.29 $M_{\phi\phi}$-0.74 $M_{r\theta}$0.04 $M_{\theta\phi}$0.20 $M_{\phi r}$-0.61 NP1:ϕ_s167.67000°,δ61.69000°,λ96.44000°. NP2:ϕ_s334.29000°,δ28.98000°,λ78.24000°. Principal axes: T 1.2172,Plg73.0000°,Azm93.0000°; N -0.2263,Plg6.0000°,Azm345.0000°; P -0.9909,Plg16.0000°,Azm253.0000° $M_0$1.12000$\times10^{15}$
NEIC Event type se.
ISC I 14 06 59 12.6–3.7 37.50S–.04 73.68W–.08 18–21 4.3b 118 1-160
IDC I 14 06 59 11.8–2.1 37.42S 73.32W 0 4.1b,4.0 **¶610087857**
GUC I 14 06 59 13.9–.63 37.56S 73.61W 37–4 4.3L,4.0
NEIC I 14 06 59 13.3–1.1 37.49S–.05 73.9W–.10 30–8 4.4b,4.3L
VAO I 14 06 59 15.2–.81 37.36S 73.25W 10 4.4b,4.3L
ISC Event type se.
IDC Error ellipse: s-maj=56.2km s-min=26.7km az=95.0.
GUC Error ellipse: s-maj=1.7km s-min=7.0km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=14.7km s-min=7.3km az=97.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Error ellipse: s-maj=5.6km s-min=9.3km az=-1.0.
ISC I 17 09 20 23.6–1.6 28.73S–.03 71.61W–.07 13–10 51 1-5
SJA I 17 09 20 24.0 28.67S 71.71W 10 4.0L **¶612084177**
GUC I 17 09 20 26.1–.66 28.78S 71.45W 37–3 3.3L
ISC Event type ke.
GUC Error ellipse: s-maj=1.1km s-min=3.2km az=-1.0.
ISC I 19 12 01 50.0–.55 30.86S–.02 71.40W–.03 31–3 5.1b,3.6s 461 0-170
VAO I 19 12 01 41.1–.94 31.27S 71.98W 10 4.7b,3.6s **¶610101963**
SJA I 19 12 01 46.8–.89 30.80S 71.71W 17–5 4.7L,4.4W
GUC I 19 12 01 50.1–.66 30.85S 71.37W 47–3 5.0L,4.4W
NEIC I 19 12 01 51.6–2.2 30.86S–.02 71.51W–.07 44–7 5.1b,5.0L
IDC I 19 12 01 52.2–.78 30.80S 71.57W 52–4 4.5,4.3b
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s309.00555°,δ40.08448°,λ58.19344°. NP2:ϕ_s168.03369°,δ56.82343°,λ113.92092°. Principal axes: T Plg68.1172°,Azm128.3221°; N Plg19.8390°,Azm334.3899°; P Plg8.8623°,Azm241.1650° Moment Tensor Solution. NP1:ϕ_s1.18664°,δ67.28017°,λ128.45342°. NP2:ϕ_s117.12320°,δ43.75133°,λ33.95271°. Principal axes: T Plg51.6172°,Azm316.2758°; N Plg35.0033°,Azm164.1356°; P Plg13.7493°,Azm64.2692°
VAO Error ellipse: s-maj=7.5km s-min=8.3km az=-1.0.
SJA Error ellipse: s-maj=2.1km s-min=5.2km az=-1.0.
GUC Error ellipse: s-maj=1.1km s-min=4.0km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=1.8km az=108.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}5.32 $M_{\theta\theta}$0.54 $M_{\phi\phi}$-5.86 $M_{r\theta}$1.12 $M_{\theta\phi}$1.17 $M_{\phi r}$-0.90 NP1:ϕ_s159.41000°,δ51.39000°,λ76.09000°. NP2:ϕ_s1.06000°,δ40.67000°,λ106.75000°. Principal axes: T 5.6085,Plg78.0000°,Azm16.0000°; N 0.5636,Plg11.0000°,Azm168.0000°; P -6.1721,Plg5.0000°,Azm259.0000° $M_0$5.91000$\times10^{15}$
IDC Error ellipse: s-maj=25.3km s-min=9.3km az=26.0.
ISC I 21 17 03 54.9–.62 30.61S–.02 71.42W–.05 51–6 4.3b 193 1-173
VAO I 21 17 03 45.5–3.2 31.08S 71.69W 10 4.3b **¶610105034**
SJA I 21 17 03 53.6–.58 30.61S 71.43W 34–2 4.1W,4.1L
GUC I 21 17 03 55.5–.71 30.64S 71.30W 52–2 4.5L,4.1L
NEIC I 21 17 03 55.1–2.4 30.67S–.03 71.44W–.08 49–6 4.5,4.2b
IDC I 21 17 03 55.9–2.8 30.61S 71.48W 65–21 4.3b,4.2

ISC Event type se.
VAO Error ellipse: s-maj=25.2km s-min=27.0km az=-1.0.
SJA Error ellipse: s-maj=1.1km s-min=4.1km az=-1.0.
GUC Error ellipse: s-maj=1.1km s-min=3.5km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=9.7km s-min=4.5km az=86.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}1.25 $M_{\theta\theta}$-0.06 $M_{\phi\phi}$-1.19 $M_{r\theta}$0.25 $M_{\theta\phi}$-0.00 $M_{\phi r}$-1.02 NP1:ϕ_s171.29000°,δ65.39000°,λ82.95000°. NP2:ϕ_s7.82000°,δ25.54000°,λ105.00000°. Principal axes: T 1.6527,Plg69.0000°,Azm67.0000°; N -0.0861,Plg6.0000°,Azm174.0000°; P -1.5665,Plg20.0000°,Azm267.0000° $M_0$1.61000×10^{15}
IDC Error ellipse: s-maj=25.9km s-min=15.5km az=64.0.
ISC I 23 11 21 55.9–.85 30.74S–.02 71.33W–.05 46–8 4.4b 157 1-154
SJA I 23 11 21 50.1–.71 30.65S 71.74W 11–3 4.3L,3.9W **¶610105775**
GUC I 23 11 21 55.6–.61 30.70S 71.28W 52–3 4.2L,3.9W
NEIC I 23 11 21 57.0–2.0 30.68S–.05 71.2W–.10 54–7 4.5b,4.2
NEIC I 23 11 21 56.8 30.68S 71.23W 50 4.5b,4.2
IDC I 23 11 21 57.9–1.7 30.77S 71.55W 70–17 4.2,4.0b
ISC Event type se.
SJA Error ellipse: s-maj=1.8km s-min=3.8km az=-1.0.
GUC Error ellipse: s-maj=1.4km s-min=4.2km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=17.1km s-min=7.2km az=91.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}0.91 $M_{\theta\theta}$-0.29 $M_{\phi\phi}$-0.62 $M_{r\theta}$0.45 $M_{\theta\phi}$-0.36 $M_{\phi r}$-2.74 NP1:ϕ_s173.31000°,δ82.64000°,λ82.10000°. NP2:ϕ_s40.58000°,δ10.78000°,λ136.77000°. Principal axes: T 3.0874,Plg52.0000°,Azm74.0000°; N -0.3899,Plg8.0000°,Azm174.0000°; P -2.6976,Plg37.0000°,Azm270.0000° $M_0$2.91000×10^{15}
NEIC Event type se.
IDC Error ellipse: s-maj=24.1km s-min=12.6km az=2.0.
ISC I 25 06 47 00.5–1.1 31.98S–.02 71.64W–.04 13–8 3.9b 157 1-146
IDC I 25 06 46 58.9–1.7 31.91S 71.84W 0 3.6,3.6L **¶610235306**
SJA I 25 06 47 00.1–.76 31.98S 72.00W 41–494 4.4L,4.2W
GUC I 25 06 47 02.3–.79 32.00S 71.66W 36–2 4.1L,4.2W
NEIC I 25 06 47 03.0–2.6 32.03S–.05 71.84W–.07 47–27 4.1L,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 27 07 26 38.3–.52 31.05S–.03 71.48W–.04 61–5 4.6b 221 0-173
SJA I 27 07 26 36.5–.84 30.99S 71.57W 67–6 4.4L,4.3W **¶610133060**
NEIC I 27 07 26 39.1–1.4 31.02S–.03 71.49W–.06 57–6 4.7b,4.5L
IDC I 27 07 26 39.1–.62 31.05S 71.47W 69–5 4.1,3.9b
GUC I 27 07 26 40.1–.77 30.97S 71.37W 52–6 4.5L,3.9b
ISC Event type se.
SJA Error ellipse: s-maj=2.2km s-min=4.1km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=8.0km s-min=4.3km az=98.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=16.2km s-min=9.2km az=15.0.
GUC Error ellipse: s-maj=1.5km s-min=5.2km az=-1.0.
ISC I 30 06 36 15.0–1.1 28.88S–.03 71.52W–.09 39–6 33 1-153
GUC I 30 06 36 13.9–.74 28.90S 71.45W 37–3 3.9L **¶610235695**
IDC I 30 06 36 17.7–4.5 28.83S 71.23W 50–30 3.7b,3.6
ISC Event type ke.
GUC Error ellipse: s-maj=1.3km s-min=3.5km az=-1.0.
IDC Error ellipse: s-maj=63.2km s-min=13.4km az=76.0.
ISC I 31 05 50 39.5–.88 30.44S–.03 71.61W–.06 57–9 4.0b 103 1-154
VAO I 31 05 50 26.5–1.9 31.17S 72.20W 10 4.1b **¶610235778**
IDC I 31 05 50 32.3–.87 30.51S 71.41W 0 3.8,3.8b
NEIC I 31 05 50 41.0–2.5 30.48S–.02 71.4W–.10 73–9 4.2L,4.2b
GUC I 31 05 50 40.2–.71 30.49S 71.58W 65–3 4.3L,4.2b
ISC Event type se.
VAO Error ellipse: s-maj=15.7km s-min=15.6km az=-1.0.
IDC Error ellipse: s-maj=18.8km s-min=15.2km az=23.0.
NEIC Event type se. Error ellipse: s-maj=15.1km s-min=2.7km az=97.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=1.5km s-min=4.0km az=-1.0.
ISC II 01 03 07 48.1–1.1 30.11S–.03 71.32W–.07 86–7 57 0-26
SJA II 01 03 07 45.5–.71 30.09S 71.59W 50 3.8W,3.8L **¶611148927**
NEIC II 01 03 07 48.8–.68 30.12S–.03 71.3W–.10 84–4 4.0b,4.0L
GUC II 01 03 07 49.0–.65 30.11S 71.27W 86–3 4.0L,4.0L
ISC Event type se.
SJA Error ellipse: s-maj=1.8km s-min=5.5km az=-1.0. Hypocentre not reviewed by the ISC.
NEIC Event type se. Error ellipse: s-maj=13.0km s-min=3.9km az=97.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=1.4km s-min=3.8km az=-1.0.
ISC II 01 11 23 21.8–3.0 37.29S–.04 73.66W–.07 0–20 4.6b,4.0s 141 1-169
IDC II 01 11 23 22.8–.76 37.31S 73.54W 0 4.3,4.3b **¶610159962**
NEIC II 01 11 23 24.4–1.4 37.29S–.05 73.74W–.09 18–4 4.9,4.5b
GUC II 01 11 23 25.2–.57 37.31S 73.78W 38–3 4.9L,4.5b
VAO II 01 11 23 27.6–.36 37.24S 73.40W 27 4.8b,4.5b
ISC Event type se.
IDC Error ellipse: s-maj=20.0km s-min=14.0km az=83.0.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=6.2km az=108.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}3.61 $M_{\theta\theta}$0.48 $M_{\phi\phi}$-4.09 $M_{r\theta}$0.43 $M_{\theta\phi}$-1.39 $M_{\phi r}$-3.87 NP1:ϕ_s34.99000°,δ26.68000°,λ122.65000°. NP2:ϕ_s179.35000°,δ67.79000°,λ74.84000°. Principal axes: T 5.4006,Plg64.0000°,Azm64.0000°; N 0.5026,Plg14.0000°,Azm185.0000°; P -5.9032,Plg21.0000°,Azm281.0000° $M_0$5.67000×10^{15}
GUC Error ellipse: s-maj=2.8km s-min=7.0km az=-1.0.
VAO Error ellipse: s-maj=4.5km s-min=4.9km az=-1.0.
ISC II 01 11 54 31.5–1.0 37.30S–.05 73.81W–.09 35 55 1-28
NEIC II 01 11 54 32.4–1.5 37.28S–.05 73.76W–.09 30–9 4.4L,4.0b **¶611148930**
GUC II 01 11 54 32.3–.73 37.35S 73.64W 44–4 4.3L,4.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=7.2km az=106.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=3.2km s-min=13.2km az=-1.0.
ISC II 01 20 14 24.5–1.3 30.82S–.03 71.58W–.06 10–9 44 1-154
IDC II 01 20 14 21.9–1.7 30.65S 71.88W 0 3.7,3.7b **¶610414625**
SJA II 01 20 14 27.5–.77 30.71S 71.47W 32–3 3.7W,3.6L
GUC II 01 20 14 29.6–.66 30.71S 71.39W 49–2 3.8L,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=40.3km s-min=28.9km az=74.0.
SJA Error ellipse: s-maj=1.6km s-min=4.3km az=-1.0. Hypocentre not reviewed by the ISC.
GUC Error ellipse: s-maj=0.9km s-min=3.2km az=-1.0.
ISC II 07 20 17 42.6–1.8 31.52S–.04 71.82W–.06 10–11 32 1-152
SJA II 07 20 17 39.1–.77 31.26S 72.15W 10 4.3L,4.2W **¶610415069**
IDC II 07 20 17 41.0–1.1 31.54S 71.68W 0 3.9s,3.9b
GUC II 07 20 17 44.4–.86 31.53S 71.77W 37–4 3.7L,3.9b
ISC Event type ke.
SJA Error ellipse: s-maj=10.6km s-min=11.2km az=-1.0. Hypocentre not reviewed by the ISC.
IDC Error ellipse: s-maj=53.3km s-min=35.0km az=139.0.
GUC Error ellipse: s-maj=1.7km s-min=5.4km az=-1.0.
GUC II 07 21 07 11.8–.61 30.37S 71.60W 61–5 3.1L
¶612084848
GUC Error ellipse: s-maj=1.8km s-min=4.4km az=-1.0.
ISC II 13 21 40 12.0–.95 34.32S–.03 72.01W–.04 12–6 4.3b 79 0-171
SJA II 13 21 40 09.2–.72 34.32S 72.09W 5–4 4.1L,3.9W **¶610415471**
IDC II 13 21 40 12.1–1.5 34.20S 71.56W 0 4.1b,4.0
NEIC II 13 21 40 12.2–1.6 34.35S–.02 71.98W–.06 15–2 4.1b,4.0L
GUC II 13 21 40 13.3–.50 34.37S 72.01W 15–5 4.0L,4.0L
ISC Event type se.
SJA Error ellipse: s-maj=1.3km s-min=3.5km az=-1.0. Hypocentre not reviewed by the ISC.
IDC Error ellipse: s-maj=75.3km s-min=22.6km az=99.0.
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=2.7km az=99.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=1.3km s-min=3.0km az=-1.0.
ISC II 16 00 19 19.2–.66 30.03S–.03 71.40W–.05 44–5 4.6b 179 0-173
SJA II 16 00 19 14.4–.73 29.99S 71.45W 3–3 4.2L,3.8W **¶610216934**
IDC II 16 00 19 19.1–2.4 29.99S 71.35W 41–19 4.2,4.2L
VAO II 16 00 19 20.2–.41 29.97S 71.39W 46 4.4b,4.2L
GUC II 16 00 19 20.0–.77 30.05S 71.30W 54–2 4.6L,4.2L
NEIC II 16 00 19 20.2–1.7 30.04S–.03 71.36W–.07 50–6 4.7,4.6b
NEIC II 16 00 19 20.2 30.04S 71.36W 50 4.7,4.6b
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s201.15552°,δ50.64511°,λ103.89414°. NP2:ϕ_s359.84512°,δ41.35683°,λ73.67960°. Principal axes: T Plg78.2802°,Azm167.8672°; N Plg10.7005°,Azm12.2407°; P Plg4.7247°,Azm281.3459°
SJA Error ellipse: s-maj=1.4km s-min=5.7km az=-1.0. Hypocentre not reviewed by the ISC.
IDC Error ellipse: s-maj=22.3km s-min=13.2km az=63.0.
VAO Error ellipse: s-maj=3.9km s-min=4.4km az=-1.0.
GUC Error ellipse: s-maj=1.6km s-min=3.6km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=3.7km az=100.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}2.35 $M_{\theta\theta}$-0.07 $M_{\phi\phi}$-2.28 $M_{r\theta}$0.44 $M_{\theta\phi}$0.69 $M_{\phi r}$-1.30 NP1:ϕ_s162.57000°,δ59.86000°,λ88.42000°. NP2:ϕ_s345.71000°,δ30.18000°,λ92.72000°. Principal axes: T 2.7107,Plg75.0000°,Azm68.0000°; N 0.1267,Plg1.0000°,Azm163.0000°; P -2.8374,Plg15.0000°,Azm254.0000° $M_0$2.78000×10^{15}
NEIC Event type se.
ISC II 17 16 23 09.1–2.4 31.07S–.04 71.7W–.10 24–16 28 1-152
IDC II 17 16 23 03.6–1.5 31.54S 71.73W 0 3.6L,3.5 **¶610415707**
SJA II 17 16 23 06.2–.73 31.03S 71.88W 18–2 4.0W,4.0L
GUC II 17 16 23 10.4–.67 31.07S 71.57W 45–3 3.8L,4.0L
ISC Event type ke.
IDC Error ellipse: s-maj=49.6km s-min=39.3km az=64.0.
SJA Error ellipse: s-maj=1.1km s-min=3.2km az=-1.0. Hypocentre not reviewed by the ISC.
GUC Error ellipse: s-maj=1.5km s-min=4.4km az=-1.0.
ISC II 19 04 03 33.0–1.4 37.58S–.03 73.69W–.06 12–8 4.7b,4.1s 196 1-168
SJA II 19 04 03 16.2–.42 37.52S 75.64W 13 5.1L,4.7W **¶610231546**
IDC II 19 04 03 31.9–.61 37.56S 73.61W 0 4.4,4.4b
VAO II 19 04 03 32.7–.46 37.68S 73.66W 10 4.6b,4.4b
GUC II 19 04 03 32.9–.65 37.52S 74.08W 36–3 4.8L,4.4b
NEIC II 19 04 03 33.6–1.7 37.56S–.04 73.70W–.07 14–2 4.7,4.7b
ISC Event type se.
ISC Hypocentre not reviewed by the ISC.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}5.98 $M_{\theta\theta}$0.07 $M_{\phi\phi}$-6.05 $M_{r\theta}$1.38 $M_{\theta\phi}$-1.91 $M_{\phi r}$-4.55 NP1:ϕ_s177.15000°,δ63.93000°,λ71.65000°. NP2:ϕ_s34.20000°,δ31.51000°,λ122.76000°. Principal axes: T 7.9759,Plg66.0000°,Azm54.0000°; N -0.1532,Plg16.0000°,Azm185.0000°; P -7.8227,Plg17.0000°,Azm281.0000° $M_0$7.90000×10^{15}
ISC II 19 07 06 53.8–2.2 37.55S–.03 73.79W–.07 5–14 4.3b 163 1-160
SJA II 19 07 06 25.7–.89 39.04S 75.06W 10 4.5L,4.2W **¶610240035**
IDC II 19 07 06 54.3–1.4 37.54S 73.48W 0 4.1,4.1b
NEIC II 19 07 06 55.1–1.5 37.54S–.05 73.89W–.10 20–2 4.5,4.3b
GUC II 19 07 06 55.5–.52 37.52S 74.01W 39–2 4.7L,4.3b
VAO II 19 07 06 58.7–.63 37.40S 73.23W 10 4.4b,4.3b
ISC Event type se.
SJA Error ellipse: s-maj=35.6km s-min=67.7km az=-1.0. Hypocentre not reviewed by the ISC.
IDC Error ellipse: s-maj=38.9km s-min=18.5km az=88.0.
NEIC Event type se. Error ellipse: s-maj=13.1km s-min=7.6km az=281.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}1.48 $M_{\theta\theta}$0.01 $M_{\phi\phi}$-1.49 $M_{r\theta}$0.08 $M_{\theta\phi}$-0.44 $M_{\phi r}$-0.99 NP1:ϕ_s184.15000°,δ61.48000°,λ78.63000°. NP2:ϕ_s26.98000°,δ30.52000°,λ109.94000°. Principal axes: T 1.7993,Plg71.0000°,Azm69.0000°; N 0.0710,Plg10.0000°,Azm190.0000°; P -1.8703,Plg16.0000°,Azm282.0000° $M_0$1.84000×10^{15}
GUC Error ellipse: s-maj=1.2km s-min=5.0km az=-1.0.
VAO Error ellipse: s-maj=5.6km s-min=6.8km az=-1.0.
ISC II 19 09 37 23.0–2.9 37.58S–.03 73.77W–.08 12–18 4.5b 100 1-168
SJA II 19 09 36 57.4–1.4 37.75S 76.45W 10 4.9L,4.5W **¶610231555**
IDC II 19 09 37 21.6–.81 37.53S 73.61W 0 4.3,4.3b
NEIC II 19 09 37 23.0–1.9 37.57S–.04 73.9W–.10 14–4 4.8,4.6b
NEIC II 19 09 37 23.1 37.57S 73.87W 14 4.8,4.6b
GUC II 19 09 37 24.0–.52 37.55S 73.95W 40–2 4.8L,4.6b
VAO II 19 09 37 26.3–.75 37.45S 73.29W 10 4.5b,4.6b
ISC Event type se.
SJA Error ellipse: s-maj=10.8km s-min=31.2km az=-1.0. Hypocentre not reviewed by the ISC.
IDC Error ellipse: s-maj=26.6km s-min=15.6km az=78.0.
NEIC Event type se. Error ellipse: s-maj=15.5km s-min=5.6km az=101.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}2.98 $M_{\theta\theta}$-0.06 $M_{\phi\phi}$-2.92 $M_{r\theta}$0.04 $M_{\theta\phi}$-0.58 $M_{\phi r}$-1.81 NP1:ϕ_s184.67000°,δ60.55000°,λ83.67000°. NP2:ϕ_s17.39000°,δ30.06000°,λ101.05000°. Principal axes: T 3.5059,Plg74.0000°,Azm79.0000°; N 0.0132,Plg6.0000°,Azm188.0000°; P -3.5192,Plg15.0000°,Azm279.0000° $M_0$3.51000×10^{15}
NEIC Event type se.
GUC Error ellipse: s-maj=1.6km s-min=5.0km az=-1.0.
VAO Error ellipse: s-maj=6.2km s-min=8.7km az=-1.0.
GUC II 19 10 13 46.7–.69 37.60S 73.75W 30–4 3.8L
¶612085670
GUC Error ellipse: s-maj=1.9km s-min=8.7km az=-1.0.
ISC II 19 15 49 17.9–1.5 37.47S–.03 74.00W–.09 7–8 4.2b,3.8s 133 1-168
IDC II 19 15 49 18.4–.88 37.56S 73.62W 0 4.1,4.1b **¶610231565**
NEIC II 19 15 49 18.2–1.2 37.46S–.05 74.1W–.10 17–6 4.5,4.4b
NEIC II 19 15 49 19.2 37.47S 74.06W 27 4.5,4.4b
GUC II 19 15 49 20.4–.53 37.47S 74.05W 38–8 4.3L,4.4b
VAO II 19 15 49 23.4–.39 37.20S 73.43W 10 4.4b,4.4b
ISC Event type se.
IDC Error ellipse: s-maj=25.3km s-min=17.2km az=80.0.
NEIC Event type se. Error ellipse: s-maj=15.6km s-min=7.2km az=97.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}1.23 $M_{\theta\theta}$-0.03 $M_{\phi\phi}$-1.21 $M_{r\theta}$0.51 $M_{\theta\phi}$0.18 $M_{\phi r}$0.02 NP1:ϕ_s10.21000°,δ47.01000°,λ117.56000°. NP2:ϕ_s152.78000°,δ49.58000°,λ63.60000°. Principal axes: T 4.1189,Plg70.0000°,Azm355.0000°; N -0.1829,Plg20.0000°,Azm171.0000°; P -1.2361,Plg1.0000°,Azm261.0000° $M_0$1.34000×10^{15}
NEIC Event type se.
GUC Error ellipse: s-maj=4.1km s-min=13.2km az=-1.0.
VAO Error ellipse: s-maj=6.2km s-min=4.7km az=-1.0.
ISC II 19 19 07 27.0–.39 37.55S–.03 73.72W–.06 21–3 4.5b,4.2s 204 1-175
IDC II 19 19 07 24.6–.55 37.52S 73.55W 0 4.4,4.4b **¶610231646**
NEIC II 19 19 07 26.0–.93 37.482S–.01 73.88W–.09 19–5 4.9,4.8b
NEIC II 19 19 07 26 37.48S 73.88W 19 4.9,4.8b
VAO II 19 19 07 27.6–.39 37.43S 73.33W 10 4.8b,4.8b
GUC II 19 19 07 28.1–.69 37.59S 73.66W 31–5 4.8L,4.8b
ISC Event type se.
IDC Error ellipse: s-maj=18.6km s-min=12.7km az=79.0.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=1.0km az=91.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.94 $M_{\theta\theta}$0.02 $M_{\phi\phi}$-0.97 $M_{r\theta}$0.26 $M_{\theta\phi}$-0.37 $M_{\phi r}$-0.54 NP1:ϕ_s177.66000°,δ60.05000°,λ66.35000°. NP2:ϕ_s38.92000°,δ37.47000°,λ124.85000°. Principal axes: T 1.1914,Plg66.0000°,Azm43.0000°; N -0.0096,Plg20.0000°,Azm190.0000°; P -1.1819,Plg12.0000°,Azm285.0000° $M_0$1.19000×10^{16}
NEIC Event type se.
VAO Error ellipse: s-maj=4.4km s-min=4.6km az=-1.0.
GUC Error ellipse: s-maj=2.2km s-min=8.7km az=-1.0.
ISC II 19 21 06 16.9–1.2 37.62S–.02 73.67W–.06 27–9 4.2b,3.6s 164 1-170
NEIC II 19 21 06 13.9–1.8 37.47S–.04 74.13W–.07 19–5 4.5,4.3b **¶610231651**
NEIC II 19 21 06 13.9 37.48S 74.16W 18 4.5,4.3b
IDC II 19 21 06 14.2–.97 37.58S 73.52W 0 4.1,4.1b
GUC II 19 21 06 15.2–.62 37.44S 74.18W 24–5 4.5L,4.1b
VAO II 19 21 06 17.6–.64 37.54S 73.50W 18 4.4b,4.1b

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=4.7km az=115.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{15}Nm; Mrr1.16 Mθθ0.49 Mφφ-1.65 Mrθ0.94 Mθφ-0.80
Mφr-0.85 NP1:φs164.96000°,δ65.60000°,λ47.92000°. NP2:φs50.37000°,δ47.47000°
,λ145.91000°. Principal axes: T 2.1720,Plg50.0000°,Azm27.0000°; N -0.1648,Plg38.0000°
,Azm185.0000°; P -2.0072,Plg11.0000°,Azm284.0000° $M_0$2.09000×10^{15}
NEIC Event type se.
IDC Error ellipse: s-maj=26.2km s-min=16.1km az=87.0.
GUC Error ellipse: s-maj=2.5km s-min=7.6km az=-1.0.
VAO Error ellipse: s-maj=5.5km s-min=7.0km az=-1.0.
ISC II 19 22 10 16.6–3.3 37.56S–.04 73.72W–.09 9–23 39 1-24
IDC II 19 22 10 16.0–2.1 37.45S 73.44W 0 3.7L,3.4 ¶610415843
GUC II 19 22 10 21.1–.85 37.59S 73.74W 32–8 4.0L,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=36.7km s-min=16.3km az=71.0.
GUC Error ellipse: s-maj=3.0km s-min=12.2km az=-1.0.
GUC II 20 00 08 18.8–.53 37.60S 73.65W 41–2 3.5L
¶612085715
GUC Error ellipse: s-maj=1.2km s-min=4.9km az=-1.0.
ISC II 20 06 17 33.6–1.0 37.54S–.04 73.91W–.10 56–14 82 1-28
NEIC II 20 06 17 33.9–1.9 37.52S–.05 73.98W–.10 35–2 4.1b,4.0L ¶611149064
GUC II 20 06 17 35.0–.47 37.57S 73.74W 45–7 4.0L,4.0L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.1km s-min=8.1km az=100.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=1.3km s-min=5.4km az=-1.0.
ISC II 20 13 29 54.4–1.5 37.53S–.04 73.85W–.05 28–11 4.2b,3.5s 152 1-168
IDC II 20 13 29 52.0–1.0 37.48S 73.71W 0 4.1,4.1b ¶610236325
NEIC II 20 13 29 52.5–1.6 37.53S–.05 73.81W–.10 14–5 4.3b,4.2L
VAO II 20 13 29 52.9–.36 37.81S 73.94W 31 4.3b,4.2L
NEIC II 20 13 29 54 37.53S 73.82W 29 4.3b,4.2L
GUC II 20 13 29 55.8–.48 37.57S 73.72W 34–3 4.4L,4.2L
ISC Event type se.
IDC Error ellipse: s-maj=25.9km s-min=19.2km az=68.0.
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=7.2km az=92.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{15}Nm; Mrr1.07 Mθθ-0.09 Mφφ-0.98 Mrθ0.15
Mθφ-0.66 Mφr-1.07 NP1:φs184.54000°,δ67.34000°,λ67.38000°. NP2:φs51.79000°,δ31.59000°
,λ132.66000°. Principal axes: T 1.6246,Plg61.0000°,Azm60.0000°; N 0.0156,Plg21.0000°
,Azm194.0000°; P -1.6402,Plg19.0000°,Azm291.0000° $M_0$1.63000×10^{15}
VAO Error ellipse: s-maj=6.3km s-min=5.5km az=-1.0.
NEIC Event type se.
GUC Error ellipse: s-maj=1.6km s-min=6.2km az=-1.0.
GUC II 20 22 47 05.8–.63 37.54S 73.89W 22–6 3.6L
¶612085732
GUC Error ellipse: s-maj=1.8km s-min=8.1km az=-1.0.
ISC II 21 13 01 09.1–1.6 30.82S–.03 71.88W–.05 4–10 4.3b 149 1-173
IDC II 21 13 01 08.4–.87 30.76S 71.96W 0 4.1b,4.0 ¶610240042
VAO II 21 13 01 09.6–.43 31.05S 71.90W 10 4.2b,4.0
SJA II 21 13 01 11.6–.86 30.83S 71.84W 47–8 4.3W,4.3L
GUC II 21 13 01 12.6–.85 30.83S 71.61W 37–5 4.4L,4.3L
NEIC II 21 13 01 13.3–2.2 30.85S–.04 71.70W–.06 35–2 4.7b,4.4L
ISC Event type se.
ISC Hypocentre not reviewed by the ISC.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{15}Nm; Mrr0.04 Mθθ-0.16 Mφφ0.12 Mrθ0.03 Mθφ-0.54
Mφr-1.02 NP1:φs92.52000°,δ28.53000°,λ178.83000°. NP2:φs183.54000°,δ89.44000°
,λ61.47000°. Principal axes: T 1.2293,Plg39.0000°,Azm68.0000°; N -0.1448,Plg29.0000°
,Azm184.0000°; P -1.0845,Plg38.0000°,Azm299.0000° $M_0$1.16000×10^{15}
ISC II 22 23 41 30.1–2.1 36.12S–.05 73.89W–.07 3–13 4.3b 125 1-170
NEIC II 22 23 41 31.4–1.7 36.12S–.04 73.81W–.07 10–6 4.4b,4.0L ¶610239652
IDC II 22 23 41 31.6–1.7 36.07S 73.72W 0 3.8,3.7b
VAO II 22 23 41 33.3–.60 36.16S 73.85W 23 4.4b,3.7b
GUC II 22 23 41 34.6–.45 36.27S 73.84W 23–4 4.0L,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=8.6km s-min=5.1km az=58.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=36.0km s-min=19.2km az=84.0.
VAO Error ellipse: s-maj=5.7km s-min=6.7km az=-1.0.
GUC Error ellipse: s-maj=1.8km s-min=3.8km az=-1.0.
ISC II 26 08 59 16.1–.29 28.95S–.02 71.44W–.03 29–1 5.4b,4.5s 599 1-175
SJA II 26 08 59 14.5–.74 28.93S 71.47W 27–3 5.2L,5.1W ¶610241380
VAO II 26 08 59 15.2–.36 28.93S 71.34W 20 5.2b,5.1W
GUC II 26 08 59 15.9–.55 28.95S 71.30W 38–3 4.8L,5.1W
NEIC II 26 08 59 16.4 28.95S 71.51W 40 4.8L,5.1W
MOS II 26 08 59 16.5–1.3 28.83S 71.23W 36 5.4b,5.1W
NEIC II 26 08 59 16.4 28.95S 71.51W 40 5.4b,5.1W
IDC II 26 08 59 16.8–.54 28.91S 71.30W 32–3 4.7,4.6b
NEIC II 26 08 59 16.7–1.8 28.96S–.04 71.59W–.06 35–3 5.3b,5.1
PRE II 26 08 59 16.8–2.7 28.82S 71.53W 36 5.5b,5.1
GCMT II 26 08 59 21.7–.20 28.89S–.02 71.74W–.02 36–0 5.1W,5.1
ISC Event type se. Moment Tensor Solution. NP1:φs45.78129°,δ55.55934°,λ138.47369°. NP2:
φs162.38399°,δ56.85536°,λ42.48937°. Principal axes: T Plg51.8615°,Azm14.7849°
; N Plg38.1281°,Azm193.2170°; P Plg0.7616°,Azm283.8148°
ISC Hypocentre not reviewed by the ISC.
NEIC Event type se. Moment Tensor Solution.Duration: 1s6 Moment tensor: Scale 10^{16}Nm;
Mrr3.36 Mθθ-0.25 Mφφ-3.12 Mrθ0.54 Mθφ0.10 Mφr-1.89 NP1:φs171.19000°,δ60.55000°
,λ83.68000°. NP2:φs3.89000°,δ30.06000°,λ101.04000°. Principal axes:
T 3.9336,Plg74.0000°,Azm65.0000°; N -0.2895,Plg6.0000°,Azm174.0000°
; P -3.6441,Plg15.0000°,Azm266.0000° $M_0$3.79000×10^{16}
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{16}Nm; Mrr2.79 Mθθ0.61 Mφφ-3.40 Mrθ0.45 Mθφ-0.19
Mφr-1.53 NP1:φs172.25000°,δ58.88000°,λ77.82000°. NP2:φs14.92000°,δ33.19000°
,λ109.27000°. Principal axes: T 3.2402,Plg73.0000°,Azm51.0000°; N 0.5192,Plg10.0000°
,Azm179.0000°; P -3.7594,Plg13.0000°,Azm271.0000° $M_0$3.53000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function. Moment Tensor Solution. s69,c81; s84,c127;Duration: 0
Moment tensor: Scale 10^{16}Nm; Mrr5.25±.20 Mθθ0.23±.13; Mφφ-5.48±.14; Mrθ1.03±.12;
Mθφ-0.47±.08; Mφr-3.23±.16; Best double couple: NP1:φs173.00000°,δ61.00000°,λ78.00000°.
NP2:φs16.00000°,δ31.00000°,λ111.00000°. Principal axes: T 6.3510,Plg71.0000°
,Azm56.0000°; N 0.0330,Plg10.0000°,Azm179.0000°; P -6.3820,Plg15.0000°,Azm272.0000°
$M_0$6.36700×10^{16}
ISC II 26 10 14 44.7–1.5 29.79S–.03 71.76W–.05 16–9 3.7b 56 0-154
SJA II 26 10 14 41.5–.75 29.71S 72.02W 17–4 4.1W,4.1L ¶610385052
GUC II 26 10 14 46.1–.71 29.88S 71.55W 39–2 4.1L,4.1L
IDC II 26 10 14 48.9–4.8 29.53S 71.64W 34–36 3.7,3.5b
ISC Event type ke.
SJA Error ellipse: s-maj=2.0km s-min=4.5km az=-1.0. Hypocentre not reviewed by the ISC.
GUC Error ellipse: s-maj=1.9km s-min=3.5km az=-1.0.
IDC Error ellipse: s-maj=30.1km s-min=22.7km az=71.0.
ISC II 26 11 30 49.1–1.1 28.88S–.03 71.47W–.05 17–6 42 1-153
IDC II 26 11 30 48.4–1.0 28.20S 70.63W 0 3.6b,3.4 ¶610385058
SJA II 26 11 30 49.8–.71 28.90S 71.35W 36–3 3.8L,3.6W
GUC II 26 11 30 49.6–.49 28.95S 71.39W 43–1 3.8L,3.6W
ISC Event type ke.
IDC Error ellipse: s-maj=34.7km s-min=19.7km az=95.0.
SJA Error ellipse: s-maj=2.5km s-min=5.8km az=-1.0. Hypocentre not reviewed by the ISC.
GUC Error ellipse: s-maj=1.0km s-min=2.1km az=-1.0.
ISC III 05 01 52 04.8–1.0 30.35S–.04 71.79W–.06 30–8 3.7b 69 0-151
IDC III 05 01 51 60.0–1.8 30.46S 72.29W 0 4.3b,3.9 ¶610545562
SJA III 05 01 52 01.2–.76 30.35S 71.87W 9–4 4.2L,3.8W
GUC III 05 01 52 05.7–.79 30.35S 71.71W 26–5 4.2L,3.8W
NEIC III 05 01 52 06.4–1.8 30.35S–.05 71.7W–.10 28–12 4.2L,3.7b
ISC Event type se.
ISC Hypocentre not reviewed by the ISC.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 05 09 28 25.1–.83 36.18S–.06 73.83W–.06 10 24 1-71
IDC III 05 09 28 25.2–1.9 36.25S 73.78W 0 3.6,3.5b ¶610545584
GUC III 05 09 28 26.7–.59 36.11S 73.68W 18–8 3.8L,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=43.4km s-min=19.1km az=73.0.
GUC Error ellipse: s-maj=2.3km s-min=12.2km az=-1.0.
ISC III 05 10 16 06.7–1.1 36.25S–.04 73.59W–.08 35 26 1-71
IDC III 05 10 16 03.1–1.8 36.17S 73.43W 0 3.6L,3.5 ¶610545587
GUC III 05 10 16 04.4–.62 36.21S 73.74W 38–9 3.9L,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=32.1km s-min=19.7km az=90.0.
GUC Error ellipse: s-maj=5.8km s-min=7.1km az=-1.0.
ISC III 08 13 33 55.4–.88 33.88S–.03 71.47W–.04 58–6 52 0-156
SJA III 08 13 33 53.2–.86 33.86S 71.47W 69–4 3.7W,3.7L ¶610545810
GUC III 08 13 33 55.3–.72 33.87S 71.46W 61–2 3.6L,3.7L
IDC III 08 13 33 57.3–4.8 33.93S 71.42W 73–41 4.1L,3.7
ISC Event type ke.
SJA Error ellipse: s-maj=2.0km s-min=4.6km az=-1.0. Hypocentre not reviewed by the ISC.
GUC Error ellipse: s-maj=1.3km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=92.1km s-min=37.2km az=100.0.
ISC III 08 14 42 23.7–1.1 38.10S–.02 73.58W–.06 12–7 4.5b,4.1s 169 0-170
NEIC III 08 14 42 23.3 38.11S 73.81W 13 4.5b,4.1s ¶610274493
VAO III 08 14 42 24.8–.58 38.27S 73.64W 23 4.7b,4.1s
GUC III 08 14 42 24.7–.72 38.16S 73.70W 37–2 4.2L,4.1s
NEIC III 08 14 42 24.6–1.5 38.07S–.05 73.8W–.10 24–6 4.5,4.5b
IDC III 08 14 42 29.2–2.9 38.11S 73.34W 45–25 4.2,4.0s
ISC Event type se.
NEIC Event type se.
VAO Error ellipse: s-maj=5.5km s-min=6.3km az=-1.0.
GUC Error ellipse: s-maj=1.2km s-min=5.2km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=16.1km s-min=7.5km az=94.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{15}Nm; Mrr2.95 Mθθ0.58 Mφφ-3.54 Mrθ0.62 Mθφ-2.88
Mφr-3.13 NP1:φs59.84000°,δ39.12000°,λ144.61000°. NP2:φs178.70000°,δ68.57000°
,λ56.45000°. Principal axes: T 4.9438,Plg54.0000°,Azm47.0000°; N 0.8300,Plg31.0000°
,Azm192.0000°; P -5.7738,Plg17.0000°,Azm293.0000° $M_0$5.41000×10^{15}
IDC Error ellipse: s-maj=28.7km s-min=14.3km az=82.0.
ISC III 09 17 34 01.6–.61 31.78S–.03 71.65W–.05 43–5 4.2b 110 1-172
SJA III 09 17 33 59.2–.81 31.79S 71.58W 16–2 4.2L,4.0W ¶610315722
IDC III 09 17 34 01.0–.95 31.70S 71.71W 38–6 4.1,4.0b
GUC III 09 17 34 01.6–.87 31.80S 71.54W 43–3 4.1L,4.0b
NEIC III 09 17 34 02.6–1.4 31.78S–.03 71.62W–.10 36–12 4.1L,4.1b
ISC Event type se.
ISC Hypocentre not reviewed by the ISC.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 11 03 42 16.1–.45 34.81S–.03 71.82W–.04 46–4 4.9b,3.9s 440 0-167
SJA III 11 03 42 11.8–1.5 34.97S 72.00W 73–6 5.2L,4.8W ¶610323186
GUC III 11 03 42 15.8–.73 34.80S 71.85W 51–3 5.2L,4.8W
VAO III 11 03 42 15.9–.37 34.82S 71.87W 43 4.9b,4.8W
IDC III 11 03 42 16.5–.52 34.75S 71.76W 47–4 4.7,4.4b
NEIC III 11 03 42 16.7–1.3 34.78S–.05 71.85W–.07 45–4 5.0,4.9b
NEIC III 11 03 42 16.6 34.79S 71.83W 44 5.0,4.9b
ISC Event type se. Moment Tensor Solution. NP1:φs54.28832°,δ18.74556°,λ153.33786°. NP2:
φs169.71870°,δ81.70869°,λ73.12838°. Principal axes: T Plg50.4949°,Azm60.8984°
; N Plg16.6901°,Azm172.2229°; P Plg34.5851°,Azm274.1532°
SJA Error ellipse: s-maj=6.4km s-min=11.8km az=-1.0. Hypocentre not reviewed by the ISC.
GUC Error ellipse: s-maj=2.3km s-min=3.8km az=-1.0.
VAO Error ellipse: s-maj=3.9km s-min=4.0km az=-1.0.
IDC Error ellipse: s-maj=14.9km s-min=10.4km az=99.0.
NEIC Event type se. Error ellipse: s-maj=8.8km s-min=6.5km az=109.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{16}Nm; Mrr0.87 Mθθ0.04 Mφφ-0.91 Mrθ0.13 Mθφ-0.18
Mφr-0.85 NP1:φs177.29000°,δ66.97000°,λ78.79000°. NP2:φs24.17000°,δ25.48000°
,λ114.58000°. Principal axes: T 1.2402,Plg66.0000°,Azm67.0000°; N 0.0229,Plg10.0000°
,Azm182.0000°; P -1.2630,Plg21.0000°,Azm276.0000° $M_0$1.25000×10^{16}
NEIC Event type se.
ISC III 11 11 13 04.2–.96 32.06S–.03 71.21W–.06 67–8 57 1-152
IDC III 11 11 12 55.8–2.3 31.74S 71.00W 0 3.7b,3.5 ¶610546013
SJA III 11 11 13 02.2–.75 32.07S 71.26W 66–7 3.7W,3.6L
GUC III 11 11 13 04.3–.77 32.07S 71.12W 69–4 3.5L,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=129.4km s-min=45.8km az=97.0.
SJA Error ellipse: s-maj=1.2km s-min=4.0km az=-1.0. Hypocentre not reviewed by the ISC.
GUC Error ellipse: s-maj=1.0km s-min=3.4km az=-1.0.
ISC III 11 21 41 56.7–1.7 30.05S–.03 71.90W–.07 23–13 33 1-151
IDC III 11 21 41 52.9–2.1 29.86S 72.25W 0 3.7,3.7b ¶610546038
SJA III 11 21 41 53.7–.70 29.93S 72.10W 25–3 4.1W,3.7L
GUC III 11 21 41 58.9–.77 30.13S 71.71W 23–6 3.6L,3.7L
ISC Event type ke.
IDC Error ellipse: s-maj=50.3km s-min=30.9km az=70.0.
SJA Error ellipse: s-maj=2.1km s-min=3.2km az=-1.0. Hypocentre not reviewed by the ISC.
GUC Error ellipse: s-maj=2.9km s-min=4.7km az=-1.0.
ISC III 13 15 05 55.4–.29 30.45S–.02 71.38W–.04 49–2 5.3b,4.5s 831 0-176
SJA III 13 15 05 51.8–.75 30.43S 71.58W 17–3 5.4L,5.0W ¶610327080
NEIC III 13 15 05 54.8 30.42S 71.47W 34 5.4L,5.0W
VAO III 13 15 05 54.8–.34 30.44S 71.29W 34 5.5b,5.0W
MOS III 13 15 05 54.2–1.2 30.37S 71.12W 43 5.5b,5.0W
GUC III 13 15 05 55.7–.75 30.44S 71.33W 51–2 5.3L,5.0W
NEIC III 13 15 05 56.1 30.53S 71.64W 60 5.3L,5.0W
NEIC III 13 15 05 56.1 30.43S 71.41W 60 5.3L,5.0W
NEIC III 13 15 05 56–1.6 30.43S–.04 71.40W–.08 46–3 5.3,5.3b
GCMT III 13 15 05 59.0–.20 30.52S–.01 71.50W–.02 48–0 5.1W,5.3b
IDC III 13 15 06 00.5–1.9 30.47S 71.26W 93–16 5.2,4.9b
ISC Event type se. Moment Tensor Solution. NP1:φs321.34189°,δ25.82394°,λ64.17509°. NP2:
φs169.60643°,δ66.91459°,λ101.90437°. Principal axes: T Plg66.0290°,Azm100.6466°
; N Plg10.9388°,Azm344.8811°; P Plg21.0532°,Azm250.6146° Moment Tensor Solution.
NP1:φs38.90891°,δ46.84519°,λ110.31043°. NP2:φs190.48973°,δ46.83107°,λ69.68466°.
Principal axes: T Plg75.3320°,Azm24.6732°; N Plg14.6680°,Azm204.7029°; P Plg0.0073°
,Azm114.7010°
SJA Error ellipse: s-maj=1.6km s-min=2.9km az=-1.0. Hypocentre not reviewed by the ISC.
NEIC Event type se.
VAO Error ellipse: s-maj=3.5km s-min=3.6km az=-1.0.
MOS Error ellipse: s-maj=14.5km s-min=6.9km az=97.4.
GUC Error ellipse: s-maj=1.0km s-min=2.9km az=-1.0.
NEIC Event type se. Moment Tensor Solution.Duration: 1s9 Moment tensor: Scale 10^{16}Nm;
Mrr5.86 Mθθ1.15 Mφφ-7.00 Mrθ0.28 Mθφ1.07 Mφr-0.43 NP1:φs169.86000°,δ47.10000°
,λ86.17000°. NP2:φs355.48000°,δ43.03000°,λ94.11000°. Principal axes:
T 5.8829,Plg87.0000°,Azm29.0000°; N 1.2747,Plg23.0000°,Azm172.0000°
; P -7.1576,Plg2.0000°,Azm263.0000° $M_0$6.52000×10^{16}
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=6.2km az=93.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{16}Nm; Mrr5.02 Mθθ-0.28 Mφφ-4.74 Mrθ0.29 Mθφ0.54
Mφr-2.09 NP1:φs172.79000°,δ56.64000°,λ89.51000°. NP2:φs353.68000°,δ33.36000°
,λ90.74000°. Principal axes: T 5.4575,Plg78.0000°,Azm81.0000°; N -0.2190,Plg0.0000°
,Azm173.0000°; P -5.2385,Plg12.0000°,Azm263.0000° $M_0$5.35000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function. Moment Tensor Solution. s90,c114; s98,c142;Duration: 0
Moment tensor: Scale 10^{16}Nm; Mrr5.96±.15 Mθθ0.13±.12; Mφφ-6.09±.12; Mrθ0.51±.09;
Mθφ0.49±.09; Mφr-2.50±.12; Best double couple: NP1:φs173.00000°,δ56.00000°,λ87.00000°.
NP2:φs358.00000°,δ34.00000°,λ95.00000°. Principal axes: T 6.4840,Plg78.0000°
,Azm71.0000°; N 0.1540,Plg3.0000°,Azm174.0000°; P -6.6380,Plg11.0000°,Azm265.0000°
$M_0$6.56100×10^{16}

IDC Error ellipse: s-maj=18.4km s-min=10.7km az=62.0.
ISC III 14 03 27 36.6–.70 34.83S–.04 71.84W–.05 45–6 4.0b 85 0-84
SJA III 14 03 27 34.4–.80 34.82S 71.88W 20–3 4.0L,3.7W **¶610546174**
IDC III 14 03 27 37.5–3.4 34.71S 72.22W 64–29 3.8L,3.7
NEIC III 14 03 27 37.8–1.2 34.83S–.04 71.78W–.07 52–10 4.3b,4.0L
GUC III 14 03 27 37.6–.84 34.80S 71.77W 48–2 4.0L,4.0L
ISC Event type se.
SJA Error ellipse: s-maj=3.7km s-min=4.8km az=-1.0. Hypocentre not reviewed by the ISC.
IDC Error ellipse: s-maj=38.1km s-min=19.9km az=108.0.
NEIC Event type se. Error ellipse: s-maj=8.7km s-min=4.8km az=113.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=2.5km s-min=2.9km az=-1.0.
ISC III 14 15 11 17.7–.56 33.57S–.02 71.33W–.03 47–4 4.2b 121 0-171
SJA III 14 15 11 17.2–.98 33.58S 71.33W 48–5 4.0W,4.0L **¶610328634**
GUC III 14 15 11 17.8–.79 33.58S 71.32W 52–2 4.1L,4.0L
NEIC III 14 15 11 18.1–1.2 33.55S–.03 71.35W–.06 44–5 4.4b,4.1L
IDC III 14 15 11 18.2–.78 33.55S 71.30W 52–6 3.8,3.6b
ISC Event type se.
SJA Error ellipse: s-maj=1.6km s-min=3.2km az=-1.0. Hypocentre not reviewed by the ISC.
GUC Error ellipse: s-maj=1.2km s-min=1.7km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=3.5km az=102.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=19.9km s-min=12.3km az=131.0.
ISC III 17 08 02 56.5–.84 32.40S–.02 71.68W–.03 27–5 5.2b,4.1s 465 0-172
IDC III 17 08 02 52.5–.42 32.35S 71.56W 0 4.8b,4.7 **¶610331549**
NEIC III 17 08 02 56.6–1.3 32.45S–.04 71.73W–.06 27–4 5.2b,4.8
MOS III 17 08 02 56.9–1.3 32.33S 71.40W 33 5.1b,4.8
NEIC III 17 08 02 56.4 32.45S 71.76W 26 5.1b,4.8
VAO III 17 08 02 57.3–.57 32.42S 71.69W 31 5.0b,4.8
GUC III 17 08 02 57.0–.93 32.46S 71.67W 34–2 5.0L,4.8
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s28.91470°,δ31.61699°,λ130.46230°. NP2: ϕ_s163.86859°,δ66.49320°,λ68.22327°. Principal axes: T Plg62.1517°,Azm39.7038° ; N Plg19.8893°,Azm172.9222°; P Plg18.6700°,Azm269.9439°
IDC Error ellipse: s-maj=18.2km s-min=12.0km az=85.0.
NEIC Event type se. Error ellipse: s-maj=7.4km s-min=5.2km az=76.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}1.65 $M_{\theta\theta}$-0.26 $M_{\phi\phi}$-1.39 $M_{r\theta}$0.26 $M_{\theta\phi}$0.44 $M_{\phi r}$-1.00 NP1:ϕ_s163.43000°,δ61.43000°,λ92.03000°. NP2:ϕ_s339.18000°,δ28.64000° ,λ86.27000°. Principal axes: T 1.9548,Plg73.0000°,Azm78.0000°; N -0.1082,Plg2.0000° ,Azm342.0000°; P -1.8466,Plg16.0000°,Azm252.0000° $M_0$1.90000×10^{16}
MOS Error ellipse: s-maj=14.4km s-min=7.5km az=96.8.
NEIC Event type se.
VAO Error ellipse: s-maj=6.5km s-min=4.9km az=-1.0.
GUC Error ellipse: s-maj=2.5km s-min=3.4km az=-1.0.
ISC III 20 00 39 22.1–.54 28.81S–.03 71.02W–.05 66–5 4.0b 146 0-173
SJA III 20 00 39 21.0–.91 28.79S 70.87W 79–3 4.7L,4.4W **¶610346319**
NEIC III 20 00 39 22.1 28.77S 71.07W 65 4.7L,4.4W
NEIC III 20 00 39 22.0–2.6 28.77S–.04 71.11W–.06 60–6 4.7,4.3
IDC III 20 00 39 23.6–.75 28.67S 70.67W 68–6 4.0,3.7b
GUC III 20 00 39 23.0–.67 28.81S 70.88W 74–3 4.4L,3.7b
VAO III 20 00 39 28.5–.52 28.35S 70.26W 10 4.1b,3.7b
ISC Event type se.
SJA Error ellipse: s-maj=1.7km s-min=6.1km az=-1.0. Hypocentre not reviewed by the ISC.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=8.8km s-min=4.3km az=114.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}2.02 $M_{\theta\theta}$1.39 $M_{\phi\phi}$-3.41 $M_{r\theta}$1.54 $M_{\theta\phi}$-1.40 $M_{\phi r}$-0.88 NP1:ϕ_s161.05000°,δ62.61000°,λ40.69000°. NP2:ϕ_s49.46000°,δ54.63000° ,λ145.65000°. Principal axes: T 3.6269,Plg47.0000°,Azm19.0000°; N 0.1986,Plg42.0000° ,Azm189.0000°; P -3.8255,Plg5.0000°,Azm284.0000° $M_0$3.73000×10^{15}
IDC Error ellipse: s-maj=22.0km s-min=9.9km az=71.0.
GUC Error ellipse: s-maj=1.4km s-min=3.2km az=-1.0.
VAO Error ellipse: s-maj=4.0km s-min=5.3km az=-1.0.
ISC III 21 05 02 41.5–1.6 32.16S–.03 71.90W–.06 15–9 4.0b 78 1-155
SJA III 21 05 02 39.3–.71 32.17S 72.05W 13–2 4.0W,4.0L **¶610543381**
IDC III 21 05 02 39.3–.94 32.14S 71.77W 0 4.0b,3.9
NEIC III 21 05 02 41.4–1.4 32.17S–.04 72.1W–.10 18–11 4.0L,3.9
GUC III 21 05 02 42.8–.74 32.16S 71.91W 29–4 4.0L,3.9
ISC Event type se.
SJA Error ellipse: s-maj=1.2km s-min=4.3km az=-1.0. Hypocentre not reviewed by the ISC.
IDC Error ellipse: s-maj=24.0km s-min=18.7km az=160.0.
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=6.2km az=91.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=1.3km s-min=3.4km az=-1.0.
ISC III 21 05 08 38.7–1.3 32.12S–.02 71.91W–.03 10–8 4.2b 86 1-155
SJA III 21 05 08 36.7–.73 32.14S 72.11W 13 4.2L,4.1W **¶610543383**
IDC III 21 05 08 37.4–.86 32.12S 71.79W 0 4.2b,4.1
NEIC III 21 05 08 38.7–1.2 32.16S–.04 72.06W–.04 10–1 4.0L,4.0b
GUC III 21 05 08 41.3–.82 32.17S 71.88W 32–3 4.0L,4.0b
ISC Event type se.
SJA Error ellipse: s-maj=1.3km s-min=3.6km az=-1.0. Hypocentre not reviewed by the ISC.
IDC Error ellipse: s-maj=21.4km s-min=18.4km az=157.0.
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=4.9km az=219.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=1.4km s-min=4.0km az=-1.0.
ISC III 21 05 56 55.1–.82 31.10S–.03 71.40W–.05 55–8 91 0-151
SJA III 21 05 56 52.4–.75 31.11S 71.58W 52–7 4.1W,4.1L **¶610543385**
IDC III 21 05 56 53.6–4.4 31.13S 71.06W 35–34 3.5,3.3b
GUC III 21 05 56 54.9–.89 31.11S 71.25W 61–3 4.1L,3.3b
NEIC III 21 05 56 55.7–3.0 31.15S–.05 71.6W–.10 41–30 4.0L,3.7b
ISC Event type se.
ISC Hypocentre not reviewed by the ISC.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC III 22 12 10 04.3–.63 30.19S 71.37W 40–3 3.7L
SJA III 22 12 09 57.7–.75 30.03S 71.77W 11–2 3.7L,3.4W **¶612087782**
GUC Error ellipse: s-maj=2.2km s-min=3.2km az=-1.0.
SJA Error ellipse: s-maj=1.5km s-min=3.4km az=-1.0. Hypocentre not reviewed by the ISC.
ISC III 22 19 40 40.6–.85 30.73S–.03 71.60W–.07 44–7 50 0-151
IDC III 22 19 40 34.7–1.3 30.74S 71.76W 0 3.6,3.6L **¶610543485**
SJA III 22 19 40 36.3–.80 30.70S 71.69W 15–3 3.9W,3.9L
GUC III 22 19 40 40.4–.84 30.73S 71.47W 47–2 4.0L,3.9L
ISC Event type ke.
IDC Error ellipse: s-maj=30.4km s-min=24.6km az=63.0.
SJA Error ellipse: s-maj=1.3km s-min=4.2km az=-1.0. Hypocentre not reviewed by the ISC.
GUC Error ellipse: s-maj=1.4km s-min=3.3km az=-1.0.
ISC III 23 00 54 34.6–2.1 31.09S–.03 71.72W–.05 37–2 83 0-59
SJA III 23 00 54 29.1–.77 31.10S 71.84W 8–3 3.9L,3.6W **¶611149314**
GUC III 23 00 54 33.6–.83 31.13S 71.67W 35–2 4.0L,3.6W
NEIC III 23 00 54 35.0–1.8 31.10S–.03 71.62W–.05 36–14 4.1b,4.0L
ISC Event type se.
ISC Hypocentre not reviewed by the ISC.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 30 06 48 23.6–.78 37.14S–.03 73.90W–.05 6–4 4.8b,4.2s 211 1-174
NEIC III 30 06 48 23.9–1.5 37.11S–.05 74.05W–.07 17–2 4.8,4.8b **¶610452507**
GUC III 30 06 48 23.1–.62 37.01S 74.23W 18–8 4.9L,4.8b
IDC III 30 06 48 24.7–.57 37.22S 73.36W 0 4.5,4.5b
NEIC III 30 06 48 24.3 37.09S 74.01W 16 4.5,4.5b
VAO III 30 06 48 26.0–.75 37.17S 73.65W 10 5.0b,4.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=8.2km s-min=5.8km az=123.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.81 $M_{\theta\theta}$-0.29 $M_{\phi\phi}$-0.53 $M_{r\theta}$-0.16 $M_{\theta\phi}$-0.47 $M_{\phi r}$-0.83 NP1:ϕ_s199.43000°,δ68.11000°,λ74.80000°. NP2:ϕ_s55.52000°,δ26.44000° ,λ123.13000°. Principal axes: T 1.2154,Plg64.0000°,Azm85.0000°; N -0.0237,Plg14.0000° ,Azm205.0000°; P -1.1916,Plg22.0000°,Azm301.0000° $M_0$1.20000×10^{16}
GUC Error ellipse: s-maj=3.2km s-min=5.8km az=-1.0.
IDC Error ellipse: s-maj=21.1km s-min=13.6km az=84.0.
NEIC Event type se.
VAO Error ellipse: s-maj=8.5km s-min=6.7km az=-1.0.
ISC III 30 09 06 22.6–1.4 37.15S–.03 73.92W–.05 16–8 4.5b,4.0s 199 1-169
GUC III 30 09 06 20.2–.62 37.07S 74.21W 19–4 4.7L,4.0s **¶610453836**
IDC III 30 09 06 21.3–.73 37.15S 73.70W 0 4.2,4.2b
NEIC III 30 09 06 21.5–2.1 37.13S–.04 74.03W–.07 10–1 4.7,4.7b
NEIC III 30 09 06 21.5 37.12S 74.01W 10 4.7,4.7b
VAO III 30 09 06 22.1–.34 37.18S 74.03W 10 4.7b,4.7b
ISC Event type se.
GUC Error ellipse: s-maj=3.0km s-min=5.1km az=-1.0.
IDC Error ellipse: s-maj=23.4km s-min=14.6km az=77.0.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=6.5km az=293.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}5.44 $M_{\theta\theta}$-0.57 $M_{\phi\phi}$-4.87 $M_{r\theta}$-0.91 $M_{\theta\phi}$-1.62 $M_{\phi r}$-4.65 NP1:ϕ_s193.68000°,δ65.62000°,λ86.02000°. NP2:ϕ_s23.25000°,δ24.68000° ,λ98.70000°. Principal axes: T 7.2363,Plg69.0000°,Azm96.0000°; N -0.0652,Plg4.0000° ,Azm195.0000°; P -7.1711,Plg21.0000°,Azm287.0000° $M_0$7.20000×10^{15}
NEIC Event type se.
VAO Error ellipse: s-maj=4.2km s-min=4.4km az=-1.0.
ISC III 31 06 31 46.7–.94 36.08S–.05 73.64W–.06 10 25 1-71
IDC III 31 06 31 46.9–2.2 36.37S 74.09W 0 3.5L,3.3 **¶610544033**
GUC III 31 06 31 46.7–.57 36.04S 73.71W 15 3.7L,3.3
ISC Event type ke.
IDC Error ellipse: s-maj=78.9km s-min=22.0km az=66.0.
GUC Error ellipse: s-maj=1.4km s-min=4.4km az=-1.0.
ISC III 31 18 44 39.1–.46 30.74S–.03 71.47W–.03 41–3 5.2b,4.6s 806 0-176
SJA III 31 18 44 36.8–.96 30.74S 71.61W 26–3 5.1L,5.0W **¶610467777**
MOS III 31 18 44 38.2–1.4 30.71S 71.30W 42 5.4b,5.0W
GUC III 31 18 44 39.5–.70 30.74S 71.35W 40–2 5.0L,5.0W
NEIC III 31 18 44 39.6–1.8 30.76S–.03 71.49W–.06 42–3 5.3,5.2
NEIC III 31 18 44 40.7 30.86S 71.53W 46 5.3,5.2
VAO III 31 18 44 40.6–.28 30.80S 71.35W 46 5.0b,5.2
NEIC III 31 18 44 40.3 30.76S 71.51W 42 5.0b,5.2
NEIC III 31 18 44 40.7 30.76S 71.41W 46 5.0b,5.2
IDC III 31 18 44 41.3–2.5 30.74S 71.28W 57–22 4.8,4.8L
GCMT III 31 18 44 43.6–.20 30.83S–.01 71.61W–.01 42–0 5.3W,4.8L
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s169.31422°,δ63.73136°,λ110.07776°. NP2: ϕ_s309.76242°,δ32.62339°,λ55.17895°. Principal axes: T Plg65.2989°,Azm114.8276° ; N Plg17.9293°,Azm340.1253°; P Plg16.4152°,Azm244.6555°
ISC Hypocentre not reviewed by the ISC.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}7.16 $M_{\theta\theta}$1.39 $M_{\phi\phi}$-8.55 $M_{r\theta}$0.94 $M_{\theta\phi}$-0.01 $M_{\phi r}$-4.99 NP1:ϕ_s8.27000°,δ29.28000°,λ103.10000°. NP2:ϕ_s173.33000°,δ61.56000° ,λ82.76000°. Principal axes: T 8.7196,Plg72.0000°,Azm66.0000°; N 1.2846,Plg6.0000° ,Azm177.0000°; P -10.0042,Plg16.0000°,Azm269.0000° $M_0$9.43000×10^{16}
NEIC Event type se. Moment Tensor Solution.Duration: 1s9 Moment tensor: Scale 10^{16}Nm; M_{rr}8.14 $M_{\theta\theta}$0.08 $M_{\phi\phi}$-8.21 $M_{r\theta}$0.78 $M_{\theta\phi}$0.70 $M_{\phi r}$-3.33 NP1:ϕ_s171.95000°,δ56.28000° ,λ86.36000°. NP2:ϕ_s358.48000°,δ33.89000°,λ95.43000°. Principal axes: T 8.8328,Plg78.0000°,Azm69.0000°; N 0.1106,Plg3.0000°,Azm174.0000° ; P -8.9434,Plg11.0000°,Azm265.0000° $M_0$8.89000×10^{16}
NEIC Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s88,c122; s120,c173;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.86±.02 $M_{\theta\theta}$-0.04±.02; $M_{\phi\phi}$-0.82±.02; $M_{r\theta}$0.12±.01; $M_{\theta\phi}$0.07±.01; $M_{\phi r}$-0.49±.02; Best double couple: NP1:ϕ_s171.00000°,δ60.00000°,λ86.00000°. NP2:ϕ_s358.00000°,δ30.00000°,λ97.00000°. Principal axes: T 1.0030,Plg74.0000° ,Azm71.0000°; N -0.0350,Plg3.0000°,Azm173.0000°; P -0.9680,Plg15.0000°,Azm263.0000° $M_0$0.98500×10^{17}
ISC III 31 19 10 13.9–.71 30.77S–.03 71.51W–.05 45–7 4.0b 129 0-151
SJA III 31 19 10 11.3–1.3 30.69S 71.85W 50 4.2W,4.1L **¶610544070**
NEIC III 31 19 10 13.9–1.8 30.77S–.03 71.50W–.07 42–8 4.2b,4.2L
IDC III 31 19 10 14.3–2.6 30.71S 71.54W 46–21 3.8,3.8b
GUC III 31 19 10 14.8–.73 30.77S 71.40W 47–1 4.2L,3.8b
ISC Event type se.
SJA Error ellipse: s-maj=3.1km s-min=9.4km az=-1.0. Hypocentre not reviewed by the ISC.
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=4.7km az=92.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=26.3km s-min=16.9km az=60.0.
GUC Error ellipse: s-maj=1.2km s-min=2.5km az=-1.0.
GUC IV 01 07 45 12.9–.72 30.78S 71.41W 48–1 3.7L
SJA IV 01 07 45 08.2–.78 30.74S 71.67W 10–2 3.6L,3.2W **¶616344567**
GUC Error ellipse: s-maj=1.2km s-min=2.4km az=-1.0.
SJA Error ellipse: s-maj=1.4km s-min=2.7km az=-1.0.
ISC IV 02 07 39 07.0–.76 30.71S–.03 71.57W–.04 43–6 135 0-151
IDC IV 02 07 39 01.1–1.6 30.66S 71.78W 0 3.6,3.5b **¶610651746**
SJA IV 02 07 39 01.5–.80 30.68S 71.70W 8–4 3.7L,3.4W
GUC IV 02 07 39 06.9–.84 30.72S 71.42W 48–2 4.0L,3.4W
NEIC IV 02 07 39 06.4–1.4 30.71S–.04 71.45W–.03 49–8 4.2b,4.0L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 03 06 56 56.6–.62 30.64S–.02 71.10W–.03 80–5 4.2b 162 0-154
SJA IV 03 06 56 56.3–.65 30.62S 71.08W 78–2 4.3L,4.0W **¶610651808**
NEIC IV 03 06 56 57.8–1.3 30.64S–.03 71.00W–.06 82–5 4.7b,4.4L
IDC IV 03 06 56 58.4–2.5 30.55S 70.84W 85–20 3.6,3.4b
GUC IV 03 06 56 58.0–.64 30.64S 70.98W 81–2 4.4L,3.4b
ISC Event type se.
SJA Error ellipse: s-maj=1.8km s-min=3.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=8.1km s-min=4.7km az=83.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=26.8km s-min=14.9km az=67.0.
GUC Error ellipse: s-maj=1.1km s-min=2.8km az=-1.0.
ISC IV 05 21 58 58.0–1.4 29.81S–.03 71.60W–.06 13–10 33 1-5
SJA IV 05 21 58 55.4–.53 29.82S 71.69W 23–2 3.7W,3.4L **¶616344637**
GUC IV 05 21 58 57.8–.80 29.82S 71.56W 65–47 3.2L,3.4L
ISC Event type ke.
SJA Error ellipse: s-maj=1.2km s-min=3.3km az=-1.0.
GUC Error ellipse: s-maj=2.8km s-min=9.4km az=-1.0.
GUC IV 10 14 50 42.3–.82 32.26S 71.75W 31–6 3.6L
SJA IV 10 14 50 40.4–.93 32.30S 71.80W 17–5 3.6W,3.6L **¶616344704**
GUC Error ellipse: s-maj=1.3km s-min=3.6km az=-1.0.
SJA Error ellipse: s-maj=2.7km s-min=8.4km az=-1.0.
ISC IV 13 03 42 52.0–.22 30.98S–.02 71.47W–.03 36–0 5.6b,4.7s 1190 0-177
VAO IV 13 03 42 49.2–.34 30.92S 71.38W 10 5.6b,4.7s **¶610527238**
SJA IV 13 03 42 49.0–1.6 31.00S 71.61W 20–14 5.4L,5.2W
MOS IV 13 03 42 50.6–.96 30.91S 71.34W 39 5.6b,4.7s
GUC IV 13 03 42 51.4–.74 30.98S 71.43W 48–2 5.3L,4.7s
IDC IV 13 03 42 52.1–.33 30.96S 71.29W 40–2 5.0,4.8b
NEIC IV 13 03 42 52.2–2.0 31.01S–.04 71.55W–.06 38–3 5.6b,5.4
NEIC IV 13 03 42 53.5 31.03S 71.42W 40 5.6b,5.4
NEIC IV 13 03 42 53.5 31.03S 71.42W 40 5.6b,5.4
NEIC IV 13 03 42 53.3 31.03S 71.45W 40 5.6b,5.4
GCMT IV 13 03 42 56.2–.10 31.15S–.01 71.70W–.01 46–0 5.4W,5.4
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s143.68668°,δ31.94836°,λ47.72228°. NP2: ϕ_s10.66429°,δ66.95103°,λ112.75915°. Principal axes: T Plg61.2638°,Azm315.3430° ; N Plg20.8532°,Azm181.3367°; P Plg18.8537°,Azm83.8627°
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.30 $M_{\theta\theta}$-0.10 $M_{\phi\phi}$-1.20 $M_{r\theta}$0.39 $M_{\theta\phi}$0.59 $M_{\phi r}$-0.29 NP1:ϕ_s146.15000°,δ54.52000°,λ77.15000°. NP2:ϕ_s347.60000°,δ37.44000° ,λ107.33000°. Principal axes: T 1.4058,Plg76.0000°,Azm14.0000°; N 0.1142,Plg10.0000° ,Azm154.0000°; P -1.5201,Plg9.0000°,Azm245.0000° $M_0$1.47000×10^{17}

NEIC Event type se. Moment Tensor Solution.Duration: 2^s5 Moment tensor: Scale 10^{17}Nm; M_{rr}1.04 $M_{\theta\theta}$0.03 $M_{\phi\phi}$-1.08 $M_{r\theta}$0.61 $M_{\theta\phi}$0.51 $M_{\phi r}$-0.32 NP1:ϕ_s138.10000°,δ60.67000° ,λ66.22000°. NP2:ϕ_s0.08000°,δ37.08000°,λ125.67000°. Principal axes: T 1.3308,Plg66.0000°,Azm5.0000°; N 0.0607,Plg21.0000°,Azm150.0000° ; P -1.3915,Plg13.0000°,Azm245.0000° $M_0$1.36000×10^{17}
NEIC Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s120,c174; s131,c214;Duration: 1^s2 Moment tensor: Scale 10^{17}Nm; M_{rr}1.20±.02 $M_{\theta\theta}$0.08±.02; $M_{\phi\phi}$-1.28±.02; $M_{r\theta}$0.52±.01; $M_{\theta\phi}$0.59±.01; $M_{\phi r}$-0.33±.02; Best double couple: NP1:ϕ_s143.00000°,δ58.00000°,λ69.00000°. NP2:ϕ_s358.00000°,δ38.00000°,λ119.00000°. Principal axes: T 1.4050,Plg70.0000° ,Azm7.0000°; N 0.1890,Plg17.0000°,Azm154.0000°; P -1.5910,Plg10.0000°,Azm247.0000° $M_0$1.49800×10^{17}
GUC IV 13 06 59 43.5–.78 38.35S 73.61W 30–4 3.7L ¶616344758
GUC Error ellipse: s-maj=1.8km s-min=7.9km az=-1.0.
ISC IV 14 01 36 21.4–.94 31.75S–.02 71.69W–.05 32–7 4.1b 135 1-164
IDC IV 14 01 36 16.9–.90 31.79S 71.61W 0 4.1b,4.0 **¶610652670**
SJA IV 14 01 36 20.3–1.2 31.74S 71.97W 65–17 4.1L,3.9W
NEIC IV 14 01 36 22.4–.91 31.74S–.04 71.86W–.06 58–16 4.2L,4.1b
GUC IV 14 01 36 22.1–.93 31.77S 71.62W 34–3 4.2L,4.1b
ISC Event type se.
IDC Error ellipse: s-maj=31.3km s-min=16.8km az=2.0.
SJA Error ellipse: s-maj=3.4km s-min=10.3km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=8.0km s-min=4.3km az=50.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=1.2km s-min=4.6km az=-1.0.
GUC IV 14 04 35 36.6–.68 30.65S 71.42W 42–2 3.6L
SJA IV 14 04 35 32.0–.82 30.59S 71.57W 6–4 3.5L,3.2W **¶616344771**
GUC Error ellipse: s-maj=1.8km s-min=2.3km az=-1.0.
SJA Error ellipse: s-maj=1.7km s-min=3.9km az=-1.0.
GUC IV 14 07 58 57.6–.68 30.32S 71.53W 34–2 3.9L ¶616344774
GUC Error ellipse: s-maj=2.4km s-min=3.0km az=-1.0.
ISC IV 14 09 29 20.1–1.4 32.40S–.02 71.96W–.05 25–14 63 1-3
SJA IV 14 09 29 17.9–.76 32.36S 72.12W 29–4 3.7W,3.4L **¶616344777**
GUC IV 14 09 29 22.1–.57 32.43S 71.76W 31–4 3.3L,3.4L
ISC Event type ke.
SJA Error ellipse: s-maj=1.4km s-min=6.1km az=-1.0.
GUC Error ellipse: s-maj=2.7km s-min=3.4km az=-1.0.
ISC IV 15 01 50 22.7–.85 32.02S–.02 71.11W–.04 100–6 145 1-24
SJA IV 15 01 50 22.1–.80 32.02S 71.08W 97–4 4.2L,3.9W **¶611149519**
NEIC IV 15 01 50 23.4–1.4 32.04S–.04 71.15W–.09 100–8 4.2L,4.0b
GUC IV 15 01 50 23.7–.76 32.04S 70.99W 96–3 4.2L,4.0b
ISC Event type se.
SJA Error ellipse: s-maj=1.1km s-min=2.4km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=5.1km az=88.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=1.0km s-min=3.9km az=-1.0.
ISC IV 15 21 26 35.8–1.4 28.42S–.03 71.59W–.04 12–8 4.5b,4.0s 243 1-161
IDC IV 15 21 26 34.2–.48 28.40S 71.37W 0 4.3b,4.1 **¶610528530**
NEIC IV 15 21 26 38.8 28.44S 71.46W 29 4.3b,4.1
SJA IV 15 21 26 38.9–.97 28.37S 71.27W 30–3 4.6L,4.4W
VAO IV 15 21 26 38.3–.32 28.55S 71.48W 29 4.4b,4.4W
GUC IV 15 21 26 39.3–.78 28.43S 71.31W 44–2 4.3L,4.4W
NEIC IV 15 21 26 39.3–2.1 28.44S–.03 71.48W–.07 34–2 4.6b,4.4
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s334.86972°,δ68.56046°,λ44.19441°. NP2: ϕ_s225.30541°,δ49.54439°,λ151.29031°. Principal axes: T Plg45.8298°,Azm198.1848° ; N Plg41.8641°,Azm355.4732°; P Plg11.5575°,Azm96.0326°
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}3.01 $M_{\theta\theta}$0.58 $M_{\phi\phi}$-3.59 $M_{r\theta}$-0.24 $M_{\theta\phi}$-0.72 $M_{\phi r}$2.46 NP1:ϕ_s359.19000°,δ63.53000°,λ79.16000°. NP2:ϕ_s202.43000°,δ28.46000° ,λ110.69000°. Principal axes: T 3.8857,Plg70.0000°,Azm247.0000°; N 0.5924,Plg10.0000° ,Azm4.0000°; P -4.4780,Plg18.0000°,Azm97.0000° $M_0$4.21000×10^{15}
GUC IV 15 23 53 12.7–.77 32.75S 71.12W 57–2 3.5L
SJA IV 15 23 53 12.2–1.2 32.75S 71.13W 51–8 3.8W,3.5L **¶616344804**
GUC Error ellipse: s-maj=1.2km s-min=1.9km az=-1.0.
SJA Error ellipse: s-maj=2.6km s-min=4.0km az=-1.0.
GUC IV 17 07 32 47.9–.88 31.34S 71.67W 25–5 3.5L ¶616344824
GUC Error ellipse: s-maj=1.2km s-min=3.4km az=-1.0.
GUC IV 17 17 47 56.6–.81 30.75S 71.41W 48–2 3.5L
SJA IV 17 17 47 52.8–.73 30.70S 71.65W 25–3 3.6W,3.3L **¶616344836**
GUC Error ellipse: s-maj=1.4km s-min=2.8km az=-1.0.
SJA Error ellipse: s-maj=1.3km s-min=4.8km az=-1.0.
ISC IV 18 12 33 53.0–.32 31.88S–.02 71.42W–.04 55–2 4.7b 429 1-172
SJA IV 18 12 33 49.0–.90 31.88S 71.58W 17–4 4.5L,4.4W **¶610532540**
VAO IV 18 12 33 52.6–.25 31.87S 71.42W 52 4.7b,4.4W
GUC IV 18 12 33 53.9–.71 31.87S 71.22W 55–3 4.4L,4.4W
NEIC IV 18 12 33 53.6–2.6 31.84S–.03 71.46W–.07 52–3 4.7b,4.6
NEIC IV 18 12 33 53.5 31.83S 71.44W 59 4.7b,4.6
IDC IV 18 12 33 56.2–2.5 31.91S 71.11W 75–21 4.4,4.1b
ISC Event type se.
SJA Error ellipse: s-maj=2.0km s-min=5.6km az=-1.0.
VAO Error ellipse: s-maj=3.2km s-min=2.9km az=-1.0.
GUC Error ellipse: s-maj=1.2km s-min=4.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=4.1km az=99.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}7.89 $M_{\theta\theta}$0.40 $M_{\phi\phi}$-8.28 $M_{r\theta}$1.60 $M_{\theta\phi}$1.82 $M_{\phi r}$-4.17 NP1:ϕ_s163.71000°,δ59.21000°,λ84.69000°. NP2:ϕ_s354.01000°,δ31.20000° ,λ98.84000°. Principal axes: T 9.0477,Plg75.0000°,Azm59.0000°; N 0.6987,Plg5.0000° ,Azm166.0000°; P -9.7464,Plg14.0000°,Azm258.0000° $M_0$9.42000×10^{15}
NEIC Event type se.
IDC Error ellipse: s-maj=21.6km s-min=16.9km az=69.0.
ISC IV 19 23 24 27.5–.53 34.72S–.03 71.84W–.04 41–5 4.4b 153 0-155
VAO IV 19 23 24 16.8–.71 35.20S 72.35W 10 4.4b **¶610653081**
IDC IV 19 23 24 27.5–.77 34.59S 71.69W 43–7 4.1L,4.0
NEIC IV 19 23 24 28.0–1.2 34.70S–.04 71.81W–.06 41–7 4.5L,4.5b
NEIC IV 19 23 24 34.70S 71.81W 41 4.5L,4.5b
GUC IV 19 23 24 28.0–.80 34.71S 71.80W 40–1 4.5L,4.5b
ISC Event type se.
VAO Error ellipse: s-maj=6.6km s-min=6.2km az=-1.0.
IDC Error ellipse: s-maj=26.7km s-min=15.2km az=81.0.
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=5.3km az=97.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}1.23 $M_{\theta\theta}$0.01 $M_{\phi\phi}$-1.24 $M_{r\theta}$0.12 $M_{\theta\phi}$-0.24 $M_{\phi r}$-1.21 NP1:ϕ_s179.23000°,δ67.24000°,λ80.89000°. NP2:ϕ_s21.75000°,δ24.42000° ,λ110.68000°. Principal axes: T 1.7493,Plg67.0000°,Azm73.0000°; N 0.0065,Plg8.0000° ,Azm183.0000°; P -1.7558,Plg22.0000°,Azm276.0000° $M_0$1.75000×10^{15}
NEIC Event type se.
GUC Error ellipse: s-maj=1.5km s-min=2.6km az=-1.0.
GUC IV 22 00 44 49.7–.94 31.46S 71.70W 48–4 3.6L
SJA IV 22 00 44 46.6–.73 31.45S 71.92W 12 3.5L,3.4W **¶616344912**
GUC Error ellipse: s-maj=1.3km s-min=3.8km az=-1.0.
SJA Error ellipse: s-maj=1.4km s-min=3.4km az=-1.0.
ISC IV 23 02 42 17.3–1.1 33.07S–.03 72.00W–.05 25–7 4.7b 132 0-156
IDC IV 23 02 42 13.8–.81 33.09S 71.90W 0 4.8b,4.7 **¶610547536**
GUC IV 23 02 42 17.9–.92 33.09S 71.89W 26–3 4.7L,4.7
NEIC IV 23 02 42 17.2–1.2 33.06S–.04 72.02W–.06 20–2 4.7b,4.4L
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s189.47701°,δ65.00932°,λ87.92490°. NP2: ϕ_s14.37898°,δ25.07117°,λ94.44207°. Principal axes: T Plg69.9204°,Azm95.2001° ; N Plg1.8808°,Azm190.3540°; P Plg19.9837°,Azm281.0382°
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC IV 24 13 16 27.1–1.3 30.72S–.04 71.79W–.07 30–7 36 0-3
SJA IV 24 13 16 25.6–.70 30.56S 71.80W 8 4.2L,3.9W **¶616345046**
GUC IV 24 13 16 28.1–.71 30.68S 71.61W 26–2 2.7L,3.9W
ISC Event type ke.
SJA Error ellipse: s-maj=2.0km s-min=3.6km az=-1.0.
GUC Error ellipse: s-maj=2.3km s-min=3.3km az=-1.0.
GUC IV 24 21 41 28.9–.77 33.11S 71.79W 30–4 5.4L ¶616345067
GUC Error ellipse: s-maj=2.0km s-min=4.0km az=-1.0.
ISC IV 24 21 55 24.6–1.2 33.2S–.10 71.6W–.20 30 4.2b 6 3-156
IDC IV 24 21 55 19.9–1.5 33.16S 71.69W 0 4.0,4.0b **¶610649923**
ISC Event type ke.
IDC Error ellipse: s-maj=43.5km s-min=35.1km az=73.0.
ISC IV 24 22 03 16.4–1.1 33.11S–.04 71.99W–.06 28–7 52 0-52
NEIC IV 24 22 03 15.7–1.3 33.08S–.03 72.04W–.02 23–8 4.1b,3.9L **¶610554282**
GUC IV 24 22 03 17.8–.54 33.11S 71.92W 28–4 3.9L,3.9L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=4.9km s-min=2.4km az=176.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=1.2km s-min=2.5km az=-1.0.
ISC IV 24 22 03 43.2–.66 33.06S–.03 71.90W–.05 29–4 4.8b 115 0-172
IDC IV 24 22 03 39.3–.71 33.06S 71.75W 0 5.5s,4.6b **¶611149647**
GUC IV 24 22 03 42.5–.80 33.06S 71.89W 30–3 4.4L,4.6b
NEIC IV 24 22 03 43.7–1.3 33.06S–.02 71.83W–.05 28–5 4.9b,4.4L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC IV 24 22 24 41.4–.74 33.02S 71.97W 25–7 3.5L ¶616345077
GUC Error ellipse: s-maj=1.6km s-min=2.9km az=-1.0.
ISC IV 24 22 43 55.3–.91 33.12S–.02 71.94W–.04 24–6 4.5b 215 0-156
IDC IV 24 22 43 52.5–.82 33.11S 71.77W 0 4.4b,4.2 **¶610649931**
SJA IV 24 22 43 53.6–1.8 33.14S 71.99W 26–6 4.3L,4.2W
VAO IV 24 22 43 54.3–.26 33.10S 72.01W 21 4.4b,4.2W
NEIC IV 24 22 43 55.7–1.6 33.11S–.03 71.89W–.03 24–4 4.5b,4.1L
GUC IV 24 22 43 56.0–.80 33.13S 71.96W 26–8 4.1L,4.1L
ISC Event type se.
IDC Error ellipse: s-maj=31.9km s-min=18.8km az=102.0.
SJA Error ellipse: s-maj=4.3km s-min=7.3km az=-1.0.
VAO Error ellipse: s-maj=3.6km s-min=3.6km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=4.2km s-min=3.2km az=143.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=1.7km s-min=2.5km az=-1.0.
GUC IV 24 22 55 00.0–.77 33.19S 71.94W 24–19 3.8L ¶616345080
GUC Error ellipse: s-maj=1.5km s-min=4.5km az=-1.0.
ISC IV 24 23 04 03.6–1.2 33.03S–.03 71.93W–.06 24–7 4.0b 55 0-156
IDC IV 24 23 04 00.4–1.6 32.92S 71.74W 0 4.2L,3.6 **¶610649932**
GUC IV 24 23 04 03.9–.90 33.04S 71.91W 28–6 3.8L,3.6
NEIC IV 24 23 04 03.2–1.1 33.02S–.03 71.97W–.04 20–6 4.1b,3.8L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC IV 24 23 14 11.4–.85 33.10S 71.81W 22–3 3.6L ¶616345083
GUC Error ellipse: s-maj=1.4km s-min=3.2km az=-1.0.
IDC IV 24 23 18 56.8–1.6 33.15S 71.79W 0 3.8L,3.5 ¶610649936
IDC Error ellipse: s-maj=38.8km s-min=22.6km az=153.0.
ISC IV 24 23 28 53.3–.85 33.15S–.02 71.84W–.04 29–5 4.0b 149 0-156
SJA IV 24 23 28 49.1–1.3 33.17S 72.12W 9 4.4L,4.1W **¶610649937**
IDC IV 24 23 28 50.7–1.4 33.11S 71.71W 0 3.9L,3.6
NEIC IV 24 23 28 53.6–2.3 33.18S–.03 71.86W–.06 26–2 4.3L,4.3b
GUC IV 24 23 28 54.3–.72 33.19S 71.82W 30–2 4.4L,4.3b
ISC Event type se.
SJA Error ellipse: s-maj=3.2km s-min=7.6km az=-1.0.
IDC Error ellipse: s-maj=33.5km s-min=20.8km az=149.0.
NEIC Event type se. Error ellipse: s-maj=7.1km s-min=4.3km az=107.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=1.1km s-min=2.2km az=-1.0.
ISC IV 24 23 39 23.2–1.1 33.00S–.04 71.82W–.08 30–6 4.0b 44 0-156
IDC IV 24 23 39 19.1–1.2 33.00S 71.68W 0 3.9b,3.7 **¶610649940**
NEIC IV 24 23 39 22.5–1.3 33.02S–.01 71.93W–.06 24–6 4.1b,3.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 24 23 54 44.5–1.0 33.30S–.02 71.97W–.03 23–7 4.7b 267 0-172
IDC IV 24 23 54 41.3–.48 33.21S 71.73W 0 4.4,4.4b **¶610548821**
SJA IV 24 23 54 43.2–.60 33.30S 71.97W 31–2 4.7W,4.6L
VAO IV 24 23 54 43.5–.29 33.26S 72.08W 23 4.7b,4.6L
NEIC IV 24 23 54 44.3 33.26S 71.98W 18 4.7b,4.6L
NEIC IV 24 23 54 44.2–2.1 33.28S–.03 72.00W–.05 20–2 4.8b,4.7
GUC IV 24 23 54 45.0–.68 33.31S 71.94W 25–14 4.6L,4.7
ISC Event type se.
IDC Error ellipse: s-maj=18.0km s-min=13.3km az=112.0.
SJA Error ellipse: s-maj=1.9km s-min=4.2km az=-1.0.
VAO Error ellipse: s-maj=3.2km s-min=3.3km az=-1.0.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=6.8km s-min=3.6km az=103.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.96 $M_{\theta\theta}$0.10 $M_{\phi\phi}$-1.07 $M_{r\theta}$0.33 $M_{\theta\phi}$0.04 $M_{\phi r}$-0.62 NP1:ϕ_s163.22000°,δ62.59000°,λ75.12000°. NP2:ϕ_s13.21000°,δ30.91000° ,λ116.34000°. Principal axes: T 1.2223,Plg69.0000°,Azm43.0000°; N 0.0305,Plg13.0000° ,Azm170.0000°; P -1.2528,Plg16.0000°,Azm264.0000° $M_0$1.24000×10^{16}
GUC Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.
ISC IV 24 23 58 00.3–.97 33.28S–.03 71.93W–.04 26–6 4.6b 172 0-171
IDC IV 24 23 57 56.6–.51 33.25S 71.78W 0 4.4,4.4b **¶610649942**
NEIC IV 24 23 57 59.9 33.29S 71.93W 21 4.4,4.4b
NEIC IV 24 23 58 00.4–1.3 33.29S–.03 71.94W–.06 25–2 4.7b,4.4
GUC IV 24 23 58 01.4–.51 33.31S 71.76W 22–2 4.3L,4.4
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s174.23377°,δ67.34408°,λ90.93396°. NP2: ϕ_s351.81036°,δ22.67415°,λ87.76370°. Principal axes: T Plg67.6429°,Azm85.9701° ; N Plg0.8619°,Azm353.8740°; P Plg22.3387°,Azm263.5198°
IDC Error ellipse: s-maj=18.9km s-min=14.2km az=116.0.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=4.1km az=89.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}4.29 $M_{\theta\theta}$-0.24 $M_{\phi\phi}$-4.05 $M_{r\theta}$-0.46 $M_{\theta\phi}$0.47 $M_{\phi r}$-2.27 NP1:ϕ_s181.44000°,δ59.38000°,λ98.35000°. NP2:ϕ_s345.37000°,δ31.63000° ,λ76.22000°. Principal axes: T 4.9294,Plg74.0000°,Azm114.0000°; N -0.2764,Plg7.0000° ,Azm357.0000°; P -4.6530,Plg14.0000°,Azm265.0000° $M_0$4.80000×10^{15}
GUC Error ellipse: s-maj=0.9km s-min=2.1km az=-1.0.
ISC IV 25 00 09 28.2–.95 33.14S–.03 71.82W–.05 29–6 4.1b 53 0-156
IDC IV 25 00 09 22.6–2.0 33.51S 71.72W 0 3.8b,3.7 **¶610649945**
NEIC IV 25 00 09 28.9–1.8 33.08S–.04 71.78W–.05 26–3 4.2b,3.7
GUC IV 25 00 09 28.6–.75 33.18S 71.79W 28–5 4.0L,3.7
ISC Event type se.
IDC Error ellipse: s-maj=56.2km s-min=49.1km az=41.0.
NEIC Event type se. Error ellipse: s-maj=6.4km s-min=5.0km az=116.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=1.7km s-min=3.2km az=-1.0.
ISC IV 25 00 30 11.8–1.5 33.02S–.04 71.92W–.05 16–9 36 0-126
IDC IV 25 00 30 09.8–1.8 32.97S 71.79W 0 3.6L,3.5 **¶610649946**
GUC IV 25 00 30 13.4–.75 33.04S 71.90W 34–3 3.5L,3.5
ISC Event type ke.

IDC Error ellipse: s-maj=56.8km s-min=34.4km az=88.0.
GUC Error ellipse: s-maj=1.5km s-min=2.9km az=-1.0.
ISC IV 25 02 33 04.9–.98 32.95S–.02 71.96W–.04 25–7 4.1b 126 0-153
SJA IV 25 02 32 58.8–.76 33.02S 72.33W 7–3 4.0L,3.7W **¶610649950**
IDC IV 25 02 33 01.8–1.2 32.85S 71.84W 0 4.1b,3.8
GUC IV 25 02 33 05.7–.75 32.98S 71.92W 29–5 4.1L,3.8
NEIC IV 25 02 33 05.5–1.4 33.00S–.03 71.92W–.05 23–6 4.2b,4.1L
NEIC IV 25 02 33 05.6 33.00S 71.92W 25 4.2b,4.1L
ISC Event type se.
SJA Error ellipse: s-maj=1.9km s-min=5.8km az=-1.0.
IDC Error ellipse: s-maj=39.7km s-min=18.4km az=100.0.
GUC Error ellipse: s-maj=1.8km s-min=2.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=6.1km s-min=4.4km az=111.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; Mrr3.61 Mθθ-0.12 Mφφ-3.49 Mrθ0.30 Mθφ-1.65 Mφr-5.69 NP1:φs181.63000°,δ73.82000°,λ76.50000°. NP2:φs42.39000°,δ20.95000°,λ128.84000°. Principal axes: T 6.9255,Plg59.0000°,Azm73.0000°; N -0.0319,Plg13.0000°,Azm185.0000°; P -6.8936,Plg28.0000°,Azm282.0000° $M_0$6.91000×10^{14}
NEIC Event type se.
ISC IV 25 06 12 58.1–1.9 33.03S–.03 71.99W–.07 20–5 46 0-7
SJA IV 25 06 12 55.0–.47 32.66S 72.56W 9 3.8L,3.7W **¶616345182**
GUC IV 25 06 12 58.3–.79 32.95S 71.94W 28–6 3.6L,3.7W
ISC Event type ke.
SJA Error ellipse: s-maj=5.5km s-min=6.7km az=-1.0.
GUC Error ellipse: s-maj=2.1km s-min=3.1km az=-1.0.
ISC IV 25 06 34 13.5–1.8 32.94S–.05 71.94W–.06 12–10 46 0-126
IDC IV 25 06 34 12.1–1.8 32.90S 71.88W 0 4.0L,3.6 **¶610649956**
GUC IV 25 06 34 15.7–.79 32.96S 71.93W 27–6 3.8L,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=42.4km s-min=37.4km az=84.0.
GUC Error ellipse: s-maj=1.7km s-min=2.8km az=-1.0.
ISC IV 25 17 39 51.9–1.3 33.02S–.03 71.94W–.06 29–8 57 0-4
SJA IV 25 17 39 48.0–.82 33.04S 72.12W 9–7 4.0L,3.6W **¶616345267**
GUC IV 25 17 39 54.1–.94 33.06S 71.82W 31–4 3.8L,3.6W
ISC Event type ke.
SJA Error ellipse: s-maj=2.5km s-min=5.8km az=-1.0.
GUC Error ellipse: s-maj=2.0km s-min=3.3km az=-1.0.
ISC IV 26 14 45 54.6–.94 33.29S–.02 71.93W–.03 27–6 4.7b,3.8s 210 0-163
VAO IV 26 14 45 48.4–.37 33.57S 72.23W 10 4.7b,3.8s **¶611149696**
IDC IV 26 14 45 50.7–.60 33.25S 71.80W 0 4.5b,4.4
SJA IV 26 14 45 53.0–.84 33.34S 71.97W 16–3 4.6L,4.5W
NEIC IV 26 14 45 53.9–1.4 33.27S–.02 71.96W–.06 19–4 4.8b,4.4L
NEIC IV 26 14 45 55 33.29S 71.85W 26 4.8b,4.4L
GUC IV 26 14 45 55.4–.83 33.30S 71.86W 27–8 4.4L,4.4L
ISC Event type se.
VAO Error ellipse: s-maj=5.2km s-min=5.0km az=-1.0.
IDC Error ellipse: s-maj=18.7km s-min=16.4km az=126.0.
SJA Error ellipse: s-maj=1.7km s-min=4.5km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=7.4km s-min=3.3km az=86.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; Mrr1.70 Mθθ-0.37 Mφφ-1.33 Mrθ0.45 Mθφ0.33 Mφr-3.47 NP1:φs171.64000°,δ78.02000°,λ92.82000°. NP2:φs338.30000°,δ12.31000°,λ76.96000°. Principal axes: T 3.9778,Plg57.0000°,Azm85.0000°; N -0.3005,Plg3.0000°,Azm351.0000°; P -3.6773,Plg33.0000°,Azm259.0000° $M_0$3.84000×10^{15}
NEIC Event type se.
GUC Error ellipse: s-maj=1.4km s-min=2.6km az=-1.0.
ISC IV 26 15 14 01.7–.95 33.27S–.02 71.93W–.04 26–6 4.6b,3.4s 203 0-165
IDC IV 26 15 13 58.1–.58 33.25S 71.76W 0 4.1,4.1b **¶610650064**
SJA IV 26 15 14 00.2–.78 33.35S 71.98W 10–3 4.4L,4.2W
VAO IV 26 15 14 00.5–.28 33.32S 72.11W 26 4.6b,4.2W
NEIC IV 26 15 14 01.6 33.27S 71.92W 25 4.6b,4.2W
NEIC IV 26 15 14 02.0–1.4 33.28S–.02 71.90W–.04 27–4 4.7b,4.7
GUC IV 26 15 14 01.9–.75 33.30S 71.99W 27–7 4.5L,4.7
ISC Event type se.
IDC Error ellipse: s-maj=18.6km s-min=12.9km az=112.0.
SJA Error ellipse: s-maj=1.4km s-min=2.8km az=-1.0.
VAO Error ellipse: s-maj=3.7km s-min=3.6km az=-1.0.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=5.2km s-min=3.3km az=95.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; Mrr2.56 Mθθ0.15 Mφφ-2.71 Mrθ0.89 Mθφ-0.08 Mφr-2.19 NP1:φs166.22000°,δ66.32000°,λ76.79000°. NP2:φs16.53000°,δ26.93000°,λ117.53000°. Principal axes: T 3.5624,Plg76.0000°,Azm53.0000°; N -0.0489,Plg12.0000°,Azm172.0000°; P -3.5134,Plg20.0000°,Azm266.0000° $M_0$3.54000×10^{15}
GUC Error ellipse: s-maj=1.4km s-min=2.4km az=-1.0.
ISC IV 27 01 55 05.4–.85 33.11S–.02 71.79W–.04 30–6 4.5b 113 0-156
SJA IV 27 01 54 45.1–.36 33.90S 73.13W 12 4.7L,4.1W **¶610650097**
IDC IV 27 01 55 01.1–.82 33.02S 71.72W 0 4.3b,4.1
GUC IV 27 01 55 05.7–.57 33.12S 71.68W 30–2 4.1L,4.1
NEIC IV 27 01 55 05.7 33.13S 71.78W 30 4.1L,4.1
NEIC IV 27 01 55 05.9–1.4 33.12S–.03 71.76W–.05 29–3 4.5b,4.1L
ISC Event type se.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; Mrr7.61 Mθθ0.39 Mφφ-8.00 Mrθ0.63 Mθφ0.87 Mφr-3.21 NP1:φs172.04000°,δ56.29000°,λ87.57000°. NP2:φs356.42000°,δ33.79000°,λ93.64000°. Principal axes: T 8.2706,Plg79.0000°,Azm73.0000°; N 0.4678,Plg2.0000°,Azm173.0000°; P -8.7384,Plg11.0000°,Azm264.0000° $M_0$8.51000×10^{14}
GUC IV 27 03 54 33.1–.81 33.15S 71.99W 25–5 2.6L
¶616345381
GUC Error ellipse: s-maj=1.9km s-min=3.6km az=-1.0.
ISC IV 27 05 09 22.6–.85 33.29S–.02 71.98W–.03 23–5 5.1b,4.7s 469 0-173
IDC IV 27 05 09 19.5–.48 33.30S 71.77W 0 4.7,4.7b **¶611149701**
MOS IV 27 05 09 20.2–1.2 33.27S 71.88W 10 5.3b,4.7b
BJI IV 27 05 09 20.6–.00 33.10S 71.30W 20 5.2s,5.0
VAO IV 27 05 09 21.2–.28 33.34S 71.99W 20 5.0b,5.0
NEIC IV 27 05 09 22.9–1.3 33.27S–.03 71.96W–.06 23–4 5.1b,5.1
NEIC IV 27 05 09 22.6 33.29S 71.98W 20 5.1b,5.1
NEIC IV 27 05 09 22.8 33.17S 71.97W 30 5.1b,5.1
NEIC IV 27 05 09 22.8 33.27S 71.97W 30 5.1b,5.1
GUC IV 27 05 09 22.4–.85 33.31S 71.90W 28–3 4.8L,5.1
GCMT IV 27 05 09 27.0–.20 33.32S–.02 71.89W–.02 25 5.2W,5.1
ISC Event type se. Moment Tensor Solution. NP1:φs331.80960°,δ36.35074°,λ57.26622°. NP2: φs190.40422°,δ60.09278°,λ111.69998°. Principal axes: T Plg67.2303°,Azm142.8997°; N Plg18.6937°,Azm359.1816°; P Plg12.5297°,Azm264.8691°
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; Mrr3.06 Mθθ0.04 Mφφ-3.10 Mrθ-0.03 Mθφ0.71 Mφr-1.90 NP1:φs174.77000°,δ60.57000°,λ97.23000°. NP2:φs340.30000°,δ30.22000°,λ77.43000°. Principal axes: T 3.6146,Plg73.0000°,Azm103.0000°; N 0.1432,Plg6.0000°,Azm351.0000°; P -3.7578,Plg15.0000°,Azm259.0000° $M_0$3.69000×10^{16}
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 1s9 Moment tensor: Scale 10^{16}Nm; Mrr3.54 Mθθ0.32 Mφφ-3.86 Mrθ0.51 Mθφ0.41 Mφr-3.68 NP1:φs172.66000°,δ67.50000°,λ88.50000°. NP2:φs356.58000°,δ22.55000°,λ93.62000°. Principal axes: T 5.0762,Plg67.0000°,Azm80.0000°; N 0.3595,Plg1.0000°,Azm173.0000°; P -5.4357,Plg22.0000°,Azm264.0000° $M_0$5.26000×10^{16}
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s65,c81; s83,c115;Duration: 1s0 Moment tensor: Scale 10^{16}Nm; Mrr4.34±.14 Mθθ0.07±.11; Mφφ-4.42±.11; Mrθ-0.24±.27; Mθφ0.36±.09; Mφr-7.07±.23; Best double couple: NP1:φs181.00000°,δ74.00000°,λ93.00000°. NP2:φs350.00000°,δ16.00000°,λ79.00000°. Principal axes: T 8.2950,Plg61.0000°,Azm96.0000°; N 0.0610,Plg3.0000°,Azm0.0000°; P -8.3610,Plg29.0000°,Azm269.0000° $M_0$8.32800×10^{16}
GUC IV 27 05 09 51.5–.79 33.28S 71.88W 26–11 4.8L
¶616566859
GUC Error ellipse: s-maj=1.7km s-min=4.6km az=-1.0.
ISC IV 27 06 41 43.3–1.4 30.61S–.03 71.40W–.06 41–13 31 0-5
SJA IV 27 06 41 37.8–.34 30.83S 71.53W 28–22 3.9L,3.6W **¶616345389**
GUC IV 27 06 41 42.3–.73 30.60S 71.35W 51–2 3.7L,3.6W
ISC Event type ke.
SJA Error ellipse: s-maj=4.3km s-min=21.3km az=-1.0.
GUC Error ellipse: s-maj=1.3km s-min=2.4km az=-1.0.
ISC IV 27 06 55 45.1–1.1 33.28S–.02 71.99W–.04 23–8 4.3b 131 0-171
IDC IV 27 06 55 42.7–1.1 33.22S 71.71W 0 4.2b,4.0 **¶610650111**
GUC IV 27 06 55 45.9–.61 33.28S 72.01W 24–3 4.1L,4.0
NEIC IV 27 06 55 45.7 33.27S 71.95W 26 4.1L,4.0
NEIC IV 27 06 55 45.6–1.1 33.29S–.02 71.97W–.03 24–6 4.3b,4.1
VAO IV 27 06 56 02.5–2.6 32.46S 70.72W 92–21 4.5b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=34.4km s-min=25.0km az=90.0.
GUC Error ellipse: s-maj=1.4km s-min=2.1km az=-1.0.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=4.5km s-min=1.9km az=125.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; Mrr1.04 Mθθ0.01 Mφφ-1.04 Mrθ0.17 Mθφ0.13 Mφr-1.43 NP1:φs173.28000°,δ71.94000°,λ89.99000°. NP2:φs353.32000°,δ18.06000°,λ90.03000°. Principal axes: T 1.7696,Plg63.0000°,Azm83.0000°; N 0.0210,Plg0.0000°,Azm173.0000°; P -1.7907,Plg27.0000°,Azm263.0000° $M_0$1.78000×10^{15}
VAO Error ellipse: s-maj=9.2km s-min=8.4km az=-1.0.
ISC IV 27 08 24 39.3–.92 33.26S–.02 71.92W–.04 18–5 5.0b,4.2s 279 0-172
IDC IV 27 08 24 36.8–.47 33.25S 71.73W 0 4.7b,4.6 **¶611149704**
VAO IV 27 08 24 38.9–.29 33.33S 71.97W 21 5.0b,4.6
NEIC IV 27 08 24 39.8 33.25S 71.96W 20 5.0b,4.6
NEIC IV 27 08 24 40.1–1.2 33.25S–.03 71.95W–.06 20–4 5.1b,4.8
GUC IV 27 08 24 41.3–.76 33.28S 71.89W 27–8 4.7L,4.8
ISC Event type se. Moment Tensor Solution. NP1:φs190.89659°,δ66.07005°,λ94.97601°. NP2: φs358.78183°,δ24.41200°,λ78.94037°. Principal axes: T Plg68.5451°,Azm110.5497°; N Plg4.5473°,Azm8.8740°; P Plg20.9206°,Azm277.1317° Moment Tensor Solution. NP1: φs139.94107°,δ43.00520°,λ53.58139°. NP2:φs5.19354°,δ56.71129°,λ118.97402°. Principal axes: T Plg64.8506°,Azm328.9000°; N Plg23.8866°,Azm168.2889°; P Plg7.4118°,Azm74.9862°
IDC Error ellipse: s-maj=21.1km s-min=13.4km az=88.0.
VAO Error ellipse: s-maj=4.3km s-min=3.2km az=-1.0.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=7.2km s-min=4.7km az=96.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; Mrr0.91 Mθθ0.10 Mφφ-1.01 Mrθ0.12 Mθφ0.00 Mφr-0.72 NP1:φs173.72000°,δ63.79000°,λ83.98000°. NP2:φs7.14000°,δ26.84000°,λ102.02000°. Principal axes: T 1.1651,Plg71.0000°,Azm71.0000°; N 0.0910,Plg5.0000°,Azm176.0000°; P -1.2561,Plg19.0000°,Azm268.0000° $M_0$1.21000×10^{16}
GUC Error ellipse: s-maj=1.5km s-min=3.7km az=-1.0.
ISC IV 27 21 17 33.2–1.0 33.31S–.02 71.96W–.05 28–7 4.1b 116 0-171
SJA IV 27 21 17 28.9–.62 33.18S 72.23W 6–18 4.4L,3.7W **¶610650166**
IDC IV 27 21 17 30.4–1.4 33.23S 71.76W 0 4.0L,3.8
NEIC IV 27 21 17 32.6–1.8 33.26S–.03 72.00W–.06 22–7 4.2b,4.1L
NEIC IV 27 21 17 32.8 33.26S 71.98W 22 4.2b,4.1L
GUC IV 27 21 17 34.9–.82 33.30S 71.73W 21–5 4.1L,4.1L
ISC Event type se.
SJA Error ellipse: s-maj=4.6km s-min=22.6km az=-1.0.
IDC Error ellipse: s-maj=53.3km s-min=30.3km az=90.0.
NEIC Event type se. Error ellipse: s-maj=7.3km s-min=4.8km az=89.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; Mrr5.08 Mθθ-0.11 Mφφ-4.97 Mrθ1.09 Mθφ-0.45 Mφr-6.07 NP1:φs173.55000°,δ70.60000°,λ82.35000°. NP2:φs15.58000°,δ20.80000°,λ110.72000°. Principal axes: T 8.1068,Plg64.0000°,Azm71.0000°; N -0.2782,Plg7.0000°,Azm176.0000°; P -7.8286,Plg25.0000°,Azm270.0000° $M_0$7.97000×10^{14}
NEIC Event type se.
GUC Error ellipse: s-maj=1.4km s-min=4.0km az=-1.0.
ISC IV 28 15 30 05.2–.45 33.24S–.02 71.94W–.03 18–2 5.7s,5.5b 1128 0-179
SJA IV 28 15 30 02.5–.79 33.27S 72.12W 10 5.9W,5.5L **¶611833671**
MOS IV 28 15 30 03.5–1.1 33.19S 71.92W 10 5.8s,5.7b
IDC IV 28 15 30 03.1–.35 33.12S 71.81W 0 5.8s,5.1
VAO IV 28 15 30 05.8–.38 33.21S 71.89W 20 5.4b,5.1
GUC IV 28 15 30 05.1–.72 33.26S 72.12W 21–7 5.5L,5.1
NEIC IV 28 15 30 05.4 33.25S 71.77W 24 5.5L,5.1
NEIC IV 28 15 30 05.4 33.25S 72.01W 24 5.5L,5.1
NEIC IV 28 15 30 06.3–2.4 33.22S–.04 71.97W–.06 22–1 5.9,5.9
NEIC IV 28 15 30 06 33.24S 71.97W 22 5.9,5.9
GCMT IV 28 15 30 09.3–.10 33.30S–.01 72.03W–.01 23–0 5.9W,5.9
ISC Event type se. Moment Tensor Solution. NP1:φs145.26144°,δ56.63698°,λ55.53780°. NP2: φs16.55617°,δ46.47867°,λ130.67517°. Principal axes: T Plg61.1396°,Azm359.2682°; N Plg28.2039°,Azm165.9395°; P Plg5.6277°,Azm258.9687°
NEIC Event type se. Moment Tensor Solution.Duration: 4s3 Moment tensor: Scale 10^{17}Nm; Mrr5.03 Mθθ0.22 Mφφ-5.24 Mrθ1.13 Mθφ0.33 Mφr-6.64 NP1:φs171.56000°,δ71.37000°,λ86.61000°. NP2:φs2.07000°,δ18.92000°,λ99.96000°. Principal axes: T 8.3778,Plg63.0000°,Azm76.0000°; N 0.1951,Plg3.0000°,Azm173.0000°; P -8.5729,Plg26.0000°,Azm264.0000° $M_0$8.48000×10^{17}
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; Mrr5.71 Mθθ0.27 Mφφ-5.98 Mrθ1.07 Mθφ0.99 Mφr-4.83 NP1:φs168.74000°,δ64.95000°,λ87.80000°. NP2:φs353.91000°,δ25.14000°,λ94.69000°. Principal axes: T 7.5120,Plg70.0000°,Azm74.0000°; N 0.4113,Plg2.0000°,Azm170.0000°; P -7.9233,Plg20.0000°,Azm260.0000° $M_0$7.73000×10^{17}
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s150,c315; s152,c440; Duration: 2s2 Moment tensor: Scale 10^{18}Nm; Mrr0.60±.01 Mθθ0.01±.01; Mφφ-0.60±.01; Mrθ0.13±.01; Mθφ0.05±.00; Mφr-0.70±.01; Best double couple: NP1:φs171.00000°,δ70.00000°,λ87.00000°. NP2:φs0.00000°,δ20.00000°,λ99.00000°. Principal axes: T 0.9320,Plg65.0000°,Azm75.0000°; N 0.0070,Plg3.0000°,Azm172.0000°; P -0.9380,Plg25.0000°,Azm263.0000° $M_0$0.93500×10^{18}
GUC IV 28 15 33 20.4–.60 33.32S 71.89W 25–19 3.8L
¶616566860
GUC Error ellipse: s-maj=1.4km s-min=3.1km az=-1.0.
ISC IV 28 15 40 23.4–.91 33.23S–.02 71.99W–.04 22–6 4.8b 179 0-171
IDC IV 28 15 40 20.6–.73 33.19S 71.73W 0 4.3,4.3b **¶611149715**
SJA IV 28 15 40 22.6–1.1 33.26S 71.96W 28–3 4.6L,4.5W
NEIC IV 28 15 40 23.4 33.26S 71.98W 19 4.6L,4.5W
GUC IV 28 15 40 24.6–.92 33.25S 71.93W 24–11 4.5L,4.5W
NEIC IV 28 15 40 24.0–1.7 33.25S–.02 71.93W–.06 22–4 4.9b,4.6
ISC Event type se.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; Mrr5.46 Mθθ2.74 Mφφ-8.20 Mrθ2.79 Mθφ-1.11 Mφr-5.00 NP1:φs35.03000°,δ35.33000°,λ138.95000°. NP2:φs160.41000°,δ67.68000°,λ61.87000°. Principal axes: T 8.6266,Plg58.0000°,Azm32.0000°; N 1.2102,Plg26.0000°,Azm172.0000°; P -9.8368,Plg18.0000°,Azm271.0000° $M_0$9.29000×10^{15}
ISC IV 28 15 43 22.7–1.1 33.26S–.03 71.96W–.05 28–8 78 0-171
GUC IV 28 15 43 23.6–.73 33.27S 71.92W 27–8 3.8L **¶611149717**
NEIC IV 28 15 43 23.0–1.7 33.26S–.02 71.94W–.05 23–9 4.3b,3.8L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 28 15 49 43.9–.97 33.28S–.03 71.92W–.04 28–6 5.1b 396 0-173
IDC IV 28 15 49 40.2–.41 33.27S 71.80W 0 4.8,4.8b **¶610585856**
MOS IV 28 15 49 40.4–1.2 33.24S 71.97W 10 5.3b,4.8b
NEIC IV 28 15 49 40.6 33.17S 71.86W 30 5.3b,4.8b
NEIC IV 28 15 49 40.6 33.47S 71.39W 30 5.3b,4.8b
VAO IV 28 15 49 40.2–.33 33.39S 71.94W 10 5.2b,4.8b
NEIC IV 28 15 49 41.5–2.6 33.24S–.03 72.08W–.05 10–1 5.2b,5.1
GUC IV 28 15 49 44.4–.69 33.31S 71.95W 28–7 5.0L,5.1

ISC Event type se. Moment Tensor Solution. NP1:ϕ_s186.02358°,δ51.34449°,λ74.59409°. NP2: ϕ_s29.82813°,δ41.16163°,λ108.37238°. Principal axes: T Plg76.9147°,Azm39.9549° ; N Plg11.9732°,Azm195.7898°; P Plg5.2019°,Azm286.8961°
IDC Error ellipse: s-maj=18.3km s-min=10.2km az=80.0.
MOS Error ellipse: s-maj=12.6km s-min=7.8km az=91.4.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 1^{s}7 Moment tensor: Scale 10^{16}Nm; M_{rr}4.30 $M_{\theta\theta}$1.54 $M_{\phi\phi}$-5.84 $M_{r\theta}$0.58 $M_{\theta\phi}$0.41 $M_{\phi r}$-0.76 NP1:ϕ_s166.99000°,δ50.31000°,λ76.48000°. NP2:ϕ_s7.62000°,δ41.57000°,λ105.73000°. Principal axes: T 4.4630,Plg79.0000°,Azm19.0000°; N 1.4623,Plg10.0000°,Azm176.0000° ; P -5.9253,Plg4.0000°,Azm267.0000° $M_0$5.19000×10^{16}
VAO Error ellipse: s-maj=3.7km s-min=3.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=7.5km s-min=5.4km az=275.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=1.2km s-min=2.3km az=-1.0.

ISC IV 28 15 52 51.1–2.0 33.27S–.04 72.0W–.10 19 34 0-2
NEIC IV 28 15 52 36.1–2.6 33.19S–.06 73.4W–.20 26–13 4.4b,3.0L **¶616345470**
GUC IV 28 15 52 52.4–.84 33.25S 72.00W 24–8 3.0L,3.0L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.5km s-min=8.9km az=92.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=2.2km s-min=6.3km az=-1.0.

GUC IV 28 15 53 01.4–.93 33.31S 71.86W 25–4 3.4L ¶611149718
GUC Error ellipse: s-maj=1.9km s-min=7.2km az=-1.0.

ISC IV 28 15 58 34.6–.95 33.23S–.03 71.99W–.04 23–6 5.2b 372 0-173
IDC IV 28 15 58 31.2–.42 33.21S 71.82W 0 4.9L,4.7 **¶610585857**
MOS IV 28 15 58 31.5–1.5 33.08S 71.88W 10 5.4b,4.7
VAO IV 28 15 58 32.9–.72 33.33S 71.34W 0 5.3b,4.7
NEIC IV 28 15 58 33.9–1.5 33.23S–.02 72.05W–.06 22–5 5.4,5.3b
GUC IV 28 15 58 33.8–.86 33.26S 72.09W 24–18 5.2L,5.3b
NEIC IV 28 15 58 33 33.22S 72.10W 10 5.2L,5.3b
NEIC IV 28 15 58 34.1 33.23S 72.04W 24 5.2L,5.3b
NEIC IV 28 15 58 34.1 33.43S 71.92W 24 5.2L,5.3b
GCMT IV 28 15 58 37.3–.20 33.35S–.02 72.06W–.02 24 5.5W,5.3b
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s169.54416°,δ61.92448°,λ50.88962°. NP2: ϕ_s49.47753°,δ46.79375°,λ139.78304°. Principal axes: T Plg54.7750°,Azm28.8893° ; N Plg33.8201°,Azm190.4818°; P Plg8.7031°,Azm286.3681°
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.49 $M_{\theta\theta}$0.20 $M_{\phi\phi}$-0.69 $M_{r\theta}$0.51 $M_{\theta\phi}$-0.12 $M_{\phi r}$-0.92 NP1:ϕ_s156.47000°,δ77.66000°,λ69.97000°. NP2:ϕ_s36.08000°,δ23.39000°,λ147.42000°. Principal axes: T 1.2376,Plg53.0000°,Azm43.0000°; N -0.0320,Plg20.0000°,Azm161.0000°; P -1.2056,Plg30.0000°,Azm263.0000° $M_0$1.22000×10^{17}
NEIC Event type se.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2^{s}6 Moment tensor: Scale 10^{17}Nm; M_{rr}1.03 $M_{\theta\theta}$0.34 $M_{\phi\phi}$-1.36 $M_{r\theta}$0.22 $M_{\theta\phi}$0.06 $M_{\phi r}$-0.92 NP1:ϕ_s169.14000°,δ64.45000°,λ80.62000°. NP2:ϕ_s10.09000°,δ27.11000°,λ108.82000°. Principal axes: T 1.3720,Plg69.0000°,Azm60.0000°; N 0.3112,Plg8.0000°,Azm173.0000° ; P -1.6832,Plg19.0000°,Azm266.0000° $M_0$1.53000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s77,c106; s101,c148;Duration: 1^{s}4 Moment tensor: Scale 10^{17}Nm; M_{rr}1.34±.06 $M_{\theta\theta}$-0.04±.04; $M_{\phi\phi}$-1.29±.04; $M_{r\theta}$0.64±.06; $M_{\theta\phi}$0.36±.03; $M_{\phi r}$-1.82±.07; Best double couple: NP1:ϕ_s162.00000°,δ72.00000°,λ88.00000°. NP2:ϕ_s349.00000°,δ18.00000°,λ97.00000°. Principal axes: T 2.3410,Plg63.0000°,Azm68.0000°; N 0.0470,Plg2.0000°,Azm162.0000°; P -2.3810,Plg27.0000°,Azm253.0000° $M_0$2.36100×10^{17}

ISC IV 28 16 05 56.4–.45 33.10S–.02 71.76W–.03 27–2 5.8b,5.7s 1459 0-179
IDC IV 28 16 05 52.6–.33 33.03S 71.64W 0 5.6s,5.5b **¶610639145**
MOS IV 28 16 05 52.6–1.1 33.11S 71.81W 10 6.0b,5.6s
VAO IV 28 16 05 54.7–.22 33.04S 71.77W 14 5.7b,5.6s
SJA IV 28 16 05 54.4–.71 33.09S 71.92W 30 6.0W,6.0L
GUC IV 28 16 05 57.6–.90 33.17S 71.66W 26–4 5.8L,6.0L
NEIC IV 28 16 05 57.0–2.1 33.13S–.02 71.80W–.02 27–1 6.0,5.9b
NEIC IV 28 16 05 57.3 33.13S 71.78W 24 6.0,5.9b
NEIC IV 28 16 05 57.4 33.12S 71.79W 28 6.0,5.9b
NEIC IV 28 16 05 57.3 33.13S 71.78W 24 6.0,5.9b
GCMT IV 28 16 06 00.0–.10 33.30S–.01 71.83W–.01 30–0 5.9W,5.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}2.88 $M_{\theta\theta}$-0.72 $M_{\phi\phi}$-2.16 $M_{r\theta}$0.08 $M_{\theta\phi}$0.72 $M_{\phi r}$-3.61 NP1:ϕ_s173.81000°,δ72.09000°,λ98.00000°. NP2:ϕ_s329.25000°,δ19.56000°,λ66.70000°. Principal axes: T 4.7761,Plg62.0000°,Azm96.0000°; N -0.6010,Plg8.0000°,Azm351.0000°; P -4.1751,Plg27.0000°,Azm257.0000° $M_0$4.51000×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 4^{s}4 Moment tensor: Scale 10^{17}Nm; M_{rr}2.71 $M_{\theta\theta}$-0.07 $M_{\phi\phi}$-2.63 $M_{r\theta}$0.80 $M_{\theta\phi}$0.73 $M_{\phi r}$-5.72 NP1:ϕ_s171.37000°,δ77.27000°,λ92.89000°. NP2:ϕ_s338.47000°,δ13.05000°,λ77.42000°. Principal axes: T 6.3577,Plg58.0000°,Azm85.0000°; N 0.0845,Plg3.0000°,Azm351.0000° ; P -6.4422,Plg32.0000°,Azm259.0000° $M_0$6.40000×10^{17}
NEIC Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s151,c291; s137,c401; Duration: 2^{s}2 Moment tensor: Scale 10^{18}Nm; M_{rr}0.58±.01 $M_{\theta\theta}$-0.03±.01; $M_{\phi\phi}$-0.55±.01; $M_{r\theta}$0.08±.01; $M_{\theta\phi}$0.18±.00; $M_{\phi r}$-0.77±.02; Best double couple: NP1:ϕ_s172.00000°,δ71.00000°,λ96.00000°. NP2:ϕ_s334.00000°,δ20.00000°,λ73.00000°. Principal axes: T 0.9650,Plg63.0000°,Azm91.0000°; N 0.0150,Plg6.0000°,Azm350.0000° ; P -0.9800,Plg26.0000°,Azm257.0000° $M_0$0.97200×10^{18}

ISC IV 28 16 27 26.5–1.0 33.31S–.03 71.97W–.04 27–7 4.4b 118 0-171
SJA IV 28 16 27 22.1–1.2 33.31S 72.58W 67–20 4.3L,3.9W **¶610650232**
IDC IV 28 16 27 23.6–.90 33.27S 71.67W 0 4.1b,4.0
GUC IV 28 16 27 26.8–.92 33.33S 71.93W 34–5 4.1L,4.0
NEIC IV 28 16 27 26.9–1.7 33.32S–.01 71.94W–.05 24–7 4.6b,4.0L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC IV 28 17 28 19.8–1.8 33.29S–.04 71.98W–.06 15–9 47 0-156
IDC IV 28 17 28 17.7–3.6 33.15S 71.96W 0 3.8b,3.8L **¶610650239**
GUC IV 28 17 28 21.5–.83 33.33S 71.91W 28–3 3.8L,3.8L
ISC Event type ke.
IDC Error ellipse: s-maj=164.0km s-min=43.9km az=95.0.
GUC Error ellipse: s-maj=1.7km s-min=2.7km az=-1.0.

ISC IV 28 17 41 48.7–.93 33.29S–.02 71.95W–.03 15–5 5.2s,5.1b 425 0-173
IDC IV 28 17 41 46.8–.40 33.29S 71.77W 0 5.1s,5.0L **¶610650242**
MOS IV 28 17 41 47.3–1.5 33.27S 71.86W 10 5.1b,5.0L
SJA IV 28 17 41 48.5–1.1 33.39S 71.92W 0–19 4.8L,4.5W
VAO IV 28 17 41 48.8–.43 33.25S 72.21W 21 4.9b,4.5W
NEIC IV 28 17 41 49.9 33.39S 71.72W 24 4.9b,4.5W
NEIC IV 28 17 41 49.9 33.29S 71.96W 24 4.9b,4.5W
NEIC IV 28 17 41 49.0–1.4 33.28S–.03 71.96W–.05 18–3 5.3,5.2
NEIC IV 28 17 41 50.8 33.31S 71.90W 20 5.3,5.2
GUC IV 28 17 41 50.7–.66 33.31S 71.98W 22–4 5.0L,5.2
GCMT IV 28 17 41 54.9–.20 33.27S–.01 72.00W–.02 24–0 5.5W,5.2
ISC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2^{s}4 Moment tensor: Scale 10^{17}Nm; M_{rr}1.05 $M_{\theta\theta}$0.22 $M_{\phi\phi}$-1.27 $M_{r\theta}$-0.04 $M_{\theta\phi}$0.00 $M_{\phi r}$-0.62 NP1:ϕ_s181.88000°,δ59.23000°,λ92.26000°. NP2:ϕ_s357.47000°,δ30.84000°,λ86.22000°. Principal axes: T 1.2057,Plg76.0000°,Azm98.0000°; N 0.2178,Plg2.0000°,Azm1.0000° ; P -1.4235,Plg14.0000°,Azm270.0000° $M_0$1.31000×10^{17}
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}3.52 $M_{\theta\theta}$-0.44 $M_{\phi\phi}$-3.07 $M_{r\theta}$0.80 $M_{\theta\phi}$-0.84 $M_{\phi r}$-7.90 NP1:ϕ_s176.41000°,δ78.89000°,λ83.09000°. NP2:ϕ_s28.55000°,δ13.06000°,λ121.47000°. Principal axes: T 8.9190,Plg56.0000°,Azm78.0000°; N -0.5715,Plg7.0000°,Azm178.0000°; P -8.3475,Plg34.0000°,Azm272.0000° $M_0$8.65000×10^{16}
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s103,c150; s102,c141;Duration: 1^{s}4 Moment tensor: Scale 10^{17}Nm; M_{rr}1.20±.04 $M_{\theta\theta}$0.01±.03; $M_{\phi\phi}$-1.20±.03; $M_{r\theta}$-0.13±.04; $M_{\theta\phi}$-0.10±.02; $M_{\phi r}$-1.63±.08; Best double couple: NP1:ϕ_s185.00000°,δ72.00000°,λ90.00000°. NP2:ϕ_s5.00000°,δ18.00000°,λ90.00000°. Principal axes: T 2.0270,Plg63.0000°,Azm95.0000° ; N 0.0140,Plg0.0000°,Azm185.0000°; P -2.0360,Plg27.0000°,Azm275.0000° $M_0$2.03100×10^{17}

ISC IV 28 17 57 05.8–.91 33.33S–.03 71.96W–.04 19–3 4.3b 123 0-171
IDC IV 28 17 57 03.4–.71 33.30S 71.81W 0 4.2,4.2b **¶610589248**
NEIC IV 28 17 57 06.1–1.9 33.35S–.02 72.04W–.06 20–5 4.4b,4.3L
NEIC IV 28 17 57 06.4 33.36S 72.02W 20 4.4b,4.3L
GUC IV 28 17 57 07.6–.60 33.36S 71.94W 25–14 4.3L,4.3L
ISC Event type se.
IDC Error ellipse: s-maj=23.2km s-min=15.0km az=120.0.
NEIC Event type se. Error ellipse: s-maj=6.8km s-min=2.5km az=91.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}1.40 $M_{\theta\theta}$0.01 $M_{\phi\phi}$-1.41 $M_{r\theta}$0.04 $M_{\theta\phi}$-0.14 $M_{\phi r}$-1.25 NP1:ϕ_s180.76000°,δ65.85000°,λ86.05000°. NP2:ϕ_s10.34000°,δ24.46000°,λ98.74000°. Principal axes: T 1.8815,Plg69.0000°,Azm83.0000°; N 0.0173,Plg4.0000°,Azm182.0000°; P -1.8988,Plg21.0000°,Azm274.0000° $M_0$1.89000×10^{15}
NEIC Event type se.
GUC Error ellipse: s-maj=1.2km s-min=2.4km az=-1.0.

ISC IV 28 18 34 15.1–1.3 33.24S–.03 71.99W–.06 27–9 51 0-156
IDC IV 28 18 34 11.6–1.8 33.24S 71.85W 0 3.6,3.6b **¶610650248**
GUC IV 28 18 34 15.8–.65 33.24S 71.97W 20–7 3.5L,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=56.8km s-min=35.9km az=87.0.
GUC Error ellipse: s-maj=1.3km s-min=3.4km az=-1.0.

ISC IV 28 20 46 28.7–1.3 33.25S–.03 72.00W–.06 25–9 55 0-156
IDC IV 28 20 46 25.0–2.3 33.18S 71.91W 0 4.1L,3.9b **¶610650253**
SJA IV 28 20 46 27.0–2.2 33.22S 72.04W 25–6 3.7L,3.6W
GUC IV 28 20 46 29.5–.75 33.27S 71.97W 28–5 3.7L,3.6W
ISC Event type ke.
IDC Error ellipse: s-maj=57.0km s-min=24.2km az=139.0.
SJA Error ellipse: s-maj=4.5km s-min=8.6km az=-1.0.
GUC Error ellipse: s-maj=1.6km s-min=3.2km az=-1.0.

ISC IV 28 21 01 21.6–1.2 33.23S–.03 71.98W–.05 26–8 4.0b 78 0-171
IDC IV 28 21 01 18.2–1.1 33.06S 71.83W 0 4.0b,3.9 **¶610650255**
NEIC IV 28 21 01 22.0–1.6 33.23S–.02 71.98W–.07 22–10 4.1b,3.9L
GUC IV 28 21 01 23.0–.80 33.23S 71.91W 24–25 3.9L,3.9L
ISC Event type se.
IDC Error ellipse: s-maj=27.5km s-min=19.7km az=137.0.
NEIC Event type se. Error ellipse: s-maj=8.7km s-min=2.1km az=93.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=1.7km s-min=3.2km az=-1.0.

ISC IV 29 01 08 35.3–.81 33.36S–.03 71.93W–.04 24–5 4.5b,4.0s 135 0-172
IDC IV 29 01 08 32.5–.65 33.28S 71.69W 0 4.2b,4.1 **¶616345542**
NEIC IV 29 01 08 34.8–1.7 33.38S–.03 71.98W–.06 20–2 4.5b,4.4
VAO IV 29 01 08 35.4–2.6 33.24S 71.73W 10 4.5b,4.4
GUC IV 29 01 08 35.6–.71 33.37S 71.99W 24–22 4.4L,4.4
NEIC IV 29 01 08 35.3 33.37S 71.94W 20 4.4L,4.4
ISC Event type se.
IDC Error ellipse: s-maj=20.3km s-min=14.6km az=122.0.
NEIC Event type se. Error ellipse: s-maj=7.1km s-min=3.4km az=74.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}1.20 $M_{\theta\theta}$0.59 $M_{\phi\phi}$-1.79 $M_{r\theta}$-0.37 $M_{\theta\phi}$-0.65 $M_{\phi r}$-4.26 NP1:ϕ_s33.82000°,δ11.25000°,λ118.63000°. NP2:ϕ_s184.72000°,δ80.14000°,λ84.56000°. Principal axes: T 4.2143,Plg55.0000°,Azm88.0000° ; N 0.6912,Plg5.0000°,Azm186.0000°; P -4.9054,Plg35.0000°,Azm279.0000° $M_0$4.60000×10^{15}
VAO Error ellipse: s-maj=28.1km s-min=16.7km az=-1.0.
GUC Error ellipse: s-maj=1.2km s-min=2.0km az=-1.0.
NEIC Event type se.

ISC IV 29 01 46 01.0–.79 33.23S–.02 71.98W–.03 13–4 5.0b,4.7s 419 0-173
SJA IV 29 01 45 57.2–.92 33.23S 72.18W 22–6 4.9L,4.6W **¶610588558**
VAO IV 29 01 45 59.4–.40 33.21S 72.09W 10 4.8b,4.6W
IDC IV 29 01 45 59.1–.48 33.16S 71.73W 0 4.6s,4.6b
BJI IV 29 01 45 59.8–.00 33.33S 71.67W 12 5.3s,5.2b
MOS IV 29 01 45 59.8–1.3 33.19S 71.91W 10 5.1b,5.2b
GUC IV 29 01 46 00.5–.68 33.22S 72.02W 27–3 4.8L,5.2b
NEIC IV 29 01 46 02 33.21S 71.96W 20 4.8L,5.2b
NEIC IV 29 01 46 02.2–1.5 33.22S–.02 71.96W–.05 19–2 5.1,5.0
NEIC IV 29 01 46 02 33.21S 71.84W 20 5.1,5.0
NEIC IV 29 01 46 02.1 33.22S 71.93W 16 5.1,5.0
GCMT IV 29 01 46 03.2–.30 33.42S–.03 72.08W–.03 32–0 5.4W,5.0
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s159.56233°,δ64.38095°,λ75.70631°. NP2: ϕ_s10.07068°,δ29.09965°,λ117.24233°. Principal axes: T Plg67.4575°,Azm42.4729° ; N Plg12.8630°,Azm165.8489°; P Plg18.1864°,Azm260.1511° Moment Tensor Solution. NP1:ϕ_s206.09724°,δ48.16095°,λ113.47406°. NP2:ϕ_s353.03125°,δ46.89292°,λ66.01564°. Principal axes: T Plg72.7230°,Azm187.6096°; N Plg17.2635°,Azm9.9421°; P Plg0.6614°,Azm279.7365°
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}2.90 $M_{\theta\theta}$-0.27 $M_{\phi\phi}$-2.63 $M_{r\theta}$0.69 $M_{\theta\phi}$-0.60 $M_{\phi r}$-3.09 NP1:ϕ_s175.21000°,δ69.50000°,λ77.93000°. NP2:ϕ_s26.61000°,δ23.66000°,λ119.21000°. Principal axes: T 4.4397,Plg64.0000°,Azm66.0000°; N -0.4114,Plg11.0000°,Azm179.0000°; P -4.0283,Plg24.0000°,Azm274.0000° $M_0$4.25000×10^{16}
NEIC Event type se. Moment Tensor Solution.Duration: 1^{s}9 Moment tensor: Scale 10^{16}Nm; M_{rr}4.92 $M_{\theta\theta}$0.28 $M_{\phi\phi}$-5.20 $M_{r\theta}$-0.01 $M_{\theta\phi}$-0.46 $M_{\phi r}$-2.97 NP1:ϕ_s182.35000°,δ60.17000°,λ87.47000°. NP2:ϕ_s7.43000°,δ29.92000°,λ94.41000°. Principal axes: T 5.7274,Plg75.0000°,Azm86.0000°; N 0.3140,Plg2.0000°,Azm184.0000°; P -6.0414,Plg15.0000°,Azm274.0000° $M_0$5.88000×10^{16}
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s39,c44; s78,c100;Duration: 1^{s}2 Moment tensor: Scale 10^{17}Nm; M_{rr}1.81±.09 $M_{\theta\theta}$-0.53±.05; $M_{\phi\phi}$-1.28±.05; $M_{r\theta}$0.01±.06; $M_{\theta\phi}$-0.06±.03; $M_{\phi r}$-0.67±.05; Best double couple: NP1:ϕ_s183.00000°,δ57.00000°,λ89.00000°. NP2:ϕ_s5.00000°,δ33.00000°,λ92.00000°. Principal axes: T 1.9500,Plg78.0000°,Azm88.0000° ; N -0.5270,Plg1.0000°,Azm184.0000°; P -1.4240,Plg12.0000°,Azm274.0000° $M_0$1.68700×10^{17}

ISC IV 29 02 36 24.1–.86 33.10S–.02 71.77W–.04 31–6 4.1b 116 0-156
IDC IV 29 02 36 20.4–1.1 33.06S 71.56W 0 3.9b,3.7 **¶610650275**
SJA IV 29 02 36 22.3–1.8 33.12S 71.81W 20–11 4.0L,3.9W
NEIC IV 29 02 36 23.4–1.9 33.13S–.03 71.78W–.05 22–3 3.9b,3.9L
NEIC IV 29 02 36 24.4 33.15S 71.77W 30 3.9b,3.9L
GUC IV 29 02 36 24.8–.61 33.11S 71.72W 34–2 3.9L,3.9L
ISC Event type se.
IDC Error ellipse: s-maj=28.8km s-min=18.6km az=136.0.
SJA Error ellipse: s-maj=5.1km s-min=7.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=5.8km s-min=3.9km az=85.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}6.06 $M_{\theta\theta}$-0.59 $M_{\phi\phi}$-5.46 $M_{r\theta}$-6.64 $M_{\theta\phi}$1.57 $M_{\phi r}$2.02 NP1:ϕ_s163.96000°,δ35.25000°,λ90.56000°. NP2:ϕ_s343.27000°,δ54.75000°,λ89.60000°. Principal axes: T 6.4227,Plg80.0000°,Azm252.0000°; N -0.1342,Plg0.0000°,Azm344.0000°; P -6.2885,Plg10.0000°,Azm74.0000° $M_0$6.36000×10^{14}
NEIC Event type se.
GUC Error ellipse: s-maj=1.3km s-min=1.9km az=-1.0.

ISC IV 29 08 52 52.7–1.9 33.30S–.04 71.95W–.08 17–9 43 0-2
SJA IV 29 08 52 50.5–1.9 33.31S 72.06W 12–19 3.7W,3.6L **¶616345575**
GUC IV 29 08 52 54.3–.65 33.29S 71.85W 20–9 3.7L,3.6L
ISC Event type ke.
SJA Error ellipse: s-maj=7.5km s-min=10.9km az=-1.0.
GUC Error ellipse: s-maj=1.4km s-min=2.6km az=-1.0.

ISC IV 29 22 15 55.0–.73 31.27S–.02 71.89W–.05 21–3 4.3b 124 1-155
SJA IV 29 22 15 50.9–.82 31.22S 72.06W 12–3 4.0L,3.9W **¶610650356**
IDC IV 29 22 15 52.3–1.3 31.28S 71.65W 0 4.2b,3.7

GUC IV 29 22 15 56.0–.59 31.30S 71.83W 35–2 4.1L,3.7
NEIC IV 29 22 15 56.9–1.4 31.28S–.04 71.77W–.06 28–5 4.2b,4.1L
NEIC IV 29 22 15 56.8 31.30S 71.77W 27 4.2b,4.1L
ISC Event type se.
SJA Error ellipse: s-maj=1.7km s-min=4.6km az=-1.0.
IDC Error ellipse: s-maj=33.2km s-min=20.6km az=12.0.
GUC Error ellipse: s-maj=1.1km s-min=2.7km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=7.1km s-min=4.8km az=105.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}7.35 $M_{\theta\theta}$0.65 $M_{\phi\phi}$-8.00 $M_{r\theta}$0.64 $M_{\theta\phi}$0.19 $M_{\phi r}$3.83 NP1:ϕ_s173.09000°,δ32.03000°,λ80.78000°. NP2:ϕ_s3.93000°,δ58.44000°,λ95.72000°. Principal axes: T 8.3080,Plg76.0000°,Azm291.0000°; N 0.5909,Plg5.0000°,Azm181.0000° ; P -8.8988,Plg13.0000°,Azm90.0000° $M_0$8.62000×10^{14}
NEIC Event type se.
ISC IV 30 03 48 18.7–1.3 29.42S–.02 71.22W–.05 25–13 57 1-5
SJA IV 30 03 48 17.9–.60 29.43S 71.15W 47–8 3.7W,3.6L ¶616345608
GUC IV 30 03 48 18.0–.70 29.48S 71.09W 65–29 3.5L,3.6L
ISC Event type ke.
SJA Error ellipse: s-maj=1.2km s-min=3.9km az=-1.0.
GUC Error ellipse: s-maj=1.6km s-min=4.1km az=-1.0.
ISC V 03 13 23 05.1–1.9 28.73S–.04 71.64W–.08 7–11 32 1-5
GUC V 03 13 23 07.1–.74 28.73S 71.56W 30–8 3.4L ¶612738578
SJA V 03 13 23 07.0–1.1 28.80S 71.48W 11–12 3.5L,3.3W
ISC Event type ke.
GUC Error ellipse: s-maj=1.8km s-min=5.0km az=-1.0.
SJA Error ellipse: s-maj=7.4km s-min=9.6km az=-1.0.
ISC V 04 19 04 32.3–1.0 30.79S–.02 71.41W–.04 29–9 59 0-5
SJA V 04 19 04 29.0–.84 30.78S 71.49W 27–3 3.6W,3.4L ¶612738608
GUC V 04 19 04 31.0–.66 30.82S 71.35W 41–3 3.4L,3.4L
ISC Event type ke.
SJA Error ellipse: s-maj=1.6km s-min=4.8km az=-1.0.
GUC Error ellipse: s-maj=2.4km s-min=3.3km az=-1.0.
ISC V 05 03 41 11.2–.72 28.70S–.02 71.56W–.04 20–3 4.9b,4.2s 199 1-174
IDC V 05 03 41 08.8–.46 28.72S 71.39W 0 4.5b,4.4 ¶610598540
NEIC V 05 03 41 11.9 28.70S 71.60W 20 4.5b,4.4
NEIC V 05 03 41 11.8–2.4 28.68S–.04 71.63W–.07 20–2 4.9b,4.7
SJA V 05 03 41 12.1–1.2 28.71S 71.44W 23–4 4.8L,4.7W
GUC V 05 03 41 13.1–.74 28.71S 71.50W 32–5 4.8L,4.7W
ISC Event type se.
IDC Error ellipse: s-maj=20.3km s-min=14.0km az=72.0.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=8.8km s-min=6.1km az=98.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}1.18 $M_{\theta\theta}$0.14 $M_{\phi\phi}$-1.32 $M_{r\theta}$0.31 $M_{\theta\phi}$0.13 $M_{\phi r}$0.09 NP1:ϕ_s10.16000°,δ48.43000°,λ111.14000°. NP2:ϕ_s159.93000°,δ45.75000° ,λ67.87000°. Principal axes: T 1.2671,Plg74.0000°,Azm350.0000°; N 0.0683,Plg16.0000° ,Azm176.0000°; P -1.3354,Plg1.0000°,Azm85.0000° $M_0$1.30000×10^{16}
SJA Error ellipse: s-maj=2.9km s-min=6.4km az=-1.0.
GUC Error ellipse: s-maj=1.4km s-min=4.6km az=-1.0.
ISC V 05 04 45 51.6–1.7 32.81S–.03 72.00W–.07 14–10 46 0-5
SJA V 05 04 45 49.0–.69 32.77S 72.15W 23–4 3.7W,3.5L ¶612738617
GUC V 05 04 45 52.0–.59 32.78S 72.04W 15–2 3.5L,3.5L
ISC Event type ke.
SJA Error ellipse: s-maj=1.5km s-min=7.5km az=-1.0.
GUC Error ellipse: s-maj=2.2km s-min=3.5km az=-1.0.
ISC V 05 06 50 54.5–.99 28.66S–.02 71.50W–.05 10–6 4.9b,4.3s 181 1-174
NEIC V 05 06 50 55.5 28.72S 71.60W 12 4.9b,4.3s ¶610598548
SJA V 05 06 50 55.6–1.3 28.67S 71.52W 30–5 4.9L,4.6W
NEIC V 05 06 50 56.7–1.8 28.70S–.04 71.55W–.06 21–4 5.0,4.9b
GUC V 05 06 50 56.1–.74 28.71S 71.56W 34–8 4.9L,4.9b
IDC V 05 06 51 00.3–5.3 28.19S 71.18W 33–37 4.4,4.3b
ISC Event type se.
NEIC Event type se.
SJA Error ellipse: s-maj=3.9km s-min=11.7km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=6.0km az=113.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}1.02 $M_{\theta\theta}$0.06 $M_{\phi\phi}$-1.08 $M_{r\theta}$0.22 $M_{\theta\phi}$0.18 $M_{\phi r}$-0.50 NP1:ϕ_s164.06000°,δ58.50000°,λ82.16000°. NP2:ϕ_s358.83000°,δ32.36000° ,λ102.56000°. Principal axes: T 1.1623,Plg75.0000°,Azm52.0000°; N 0.0722,Plg7.0000° ,Azm168.0000°; P -1.2345,Plg13.0000°,Azm260.0000° $M_0$1.20000×10^{16}
GUC Error ellipse: s-maj=1.6km s-min=5.0km az=-1.0.
IDC Error ellipse: s-maj=25.3km s-min=17.2km az=49.0.
ISC V 05 07 34 01.1–1.7 28.70S–.02 71.68W–.06 14–13 53 1-5
SJA V 05 07 33 59.7–.75 28.66S 71.71W 22–2 3.8W,3.7L ¶612738622
GUC V 05 07 34 04.1–.73 28.70S 71.50W 24–22 3.5L,3.7L
ISC Event type ke.
SJA Error ellipse: s-maj=1.5km s-min=4.3km az=-1.0.
GUC Error ellipse: s-maj=1.4km s-min=6.3km az=-1.0.
ISC V 05 20 00 54.0–1.3 33.04S–.03 71.92W–.06 23–8 55 0-126
SJA V 05 20 00 33.1–.63 33.89S 73.14W 10 4.5L,3.6W ¶610689624
IDC V 05 20 00 52.3–1.8 33.00S 71.34W 0 4.1L,3.6
GUC V 05 20 00 55.2–.78 33.11S 71.74W 26–3 3.9L,3.6
ISC Event type ke.
SJA Error ellipse: s-maj=18.2km s-min=19.2km az=-1.0.
IDC Error ellipse: s-maj=66.9km s-min=38.4km az=75.0.
GUC Error ellipse: s-maj=2.0km s-min=3.2km az=-1.0.
ISC V 05 22 16 15.7–2.2 33.32S–.05 71.9W–.20 19–4 19 0-7
SJA V 05 22 16 14.1–1.0 33.64S 72.05W 56–25 3.9L,3.8W ¶612738641
GUC V 05 22 16 15.7–.46 33.30S 71.79W 22–5 3.6L,3.8W
ISC Event type ke.
SJA Error ellipse: s-maj=22.8km s-min=21.9km az=-1.0.
GUC Error ellipse: s-maj=1.2km s-min=5.4km az=-1.0.
ISC V 06 00 42 22.0–1.6 28.75S–.03 71.69W–.08 5–10 25 1-153
IDC V 06 00 42 26.0–3.2 28.13S 70.97W 0 3.9,3.9b ¶610689636
GUC V 06 00 42 28.1–.78 28.70S 71.34W 32–4 3.4L,3.9b
ISC Event type ke.
IDC Error ellipse: s-maj=134.0km s-min=34.4km az=65.0.
GUC Error ellipse: s-maj=1.9km s-min=5.3km az=-1.0.
ISC V 06 17 23 08.6–1.1 33.06S–.02 71.93W–.05 24–8 80 0-5
SJA V 06 17 23 06.5–.85 33.06S 71.96W 24–2 3.8W,3.4L ¶612738662
GUC V 06 17 23 10.1–.81 33.05S 71.84W 30–4 3.4L,3.4L
ISC Event type ke.
SJA Error ellipse: s-maj=1.7km s-min=4.0km az=-1.0.
GUC Error ellipse: s-maj=2.0km s-min=2.9km az=-1.0.
ISC V 07 03 18 57.2–1.8 28.67S–.03 71.65W–.07 1–11 46 1-5
SJA V 07 03 18 59.2–.89 28.68S 71.48W 24–3 3.7W,3.6L ¶612738669
GUC V 07 03 19 01.7–.60 28.67S 71.45W 22–3 3.6L,3.6L
ISC Event type ke.
SJA Error ellipse: s-maj=2.4km s-min=4.6km az=-1.0.
GUC Error ellipse: s-maj=1.1km s-min=3.2km az=-1.0.
GUC V 07 03 20 41.8–.61 32.05S 71.55W 40–3 2.7L
¶612738670
GUC Error ellipse: s-maj=4.4km s-min=5.1km az=-1.0.
ISC V 08 01 38 20.6–1.3 30.02S–.02 71.69W–.04 16–9 75 1-151
IDC V 08 01 38 16.5–2.9 30.39S 71.62W 0 4.0b,3.9L ¶610689770
SJA V 08 01 38 19.1–.74 30.02S 71.68W 16–3 3.8L,3.7W
GUC V 08 01 38 22.6–.66 30.08S 71.55W 44–2 3.6L,3.7W
ISC Event type ke.
IDC Error ellipse: s-maj=76.9km s-min=60.8km az=163.0.
SJA Error ellipse: s-maj=1.4km s-min=3.9km az=-1.0.
GUC Error ellipse: s-maj=1.4km s-min=2.9km az=-1.0.
ISC V 08 17 46 31.8–1.2 30.66S–.02 71.17W–.04 46–9 63 0-5
SJA V 08 17 46 28.6–.67 30.66S 71.29W 57–4 3.8W,3.7L ¶612738694
GUC V 08 17 46 30.8–.68 30.66S 71.18W 56–3 3.9L,3.7L
ISC Event type ke.
SJA Error ellipse: s-maj=1.3km s-min=5.4km az=-1.0.
GUC Error ellipse: s-maj=1.9km s-min=3.2km az=-1.0.
ISC V 10 00 12 58.7–.86 30.97S–.03 71.45W–.05 60–6 76 0-151
SJA V 10 00 12 56.8–1.3 30.99S 71.52W 52–19 3.8W,3.8L ¶610689922
IDC V 10 00 12 58.8–3.7 30.87S 71.38W 65–40 3.8,3.8b
GUC V 10 00 12 58.4–.76 30.98S 71.28W 67–3 3.9L,3.8b
ISC Event type ke.
SJA Error ellipse: s-maj=2.5km s-min=7.0km az=-1.0.
IDC Error ellipse: s-maj=120.8km s-min=28.2km az=98.0.
GUC Error ellipse: s-maj=1.3km s-min=3.2km az=-1.0.
ISC V 10 08 51 07.6–1.5 31.48S–.02 71.77W–.05 15–9 3.9b 104 1-155
SJA V 10 08 51 03.3–.68 31.45S 72.17W 14–4 3.9L,3.8W ¶610689958
IDC V 10 08 51 05.2–1.2 31.48S 71.67W 0 3.9b,3.6
NEIC V 10 08 51 08.9–1.1 31.48S–.04 71.77W–.07 13–11 4.0L,3.6
GUC V 10 08 51 10.0–.71 31.52S 71.69W 32–3 4.0L,3.6
ISC Event type se.
SJA Error ellipse: s-maj=2.0km s-min=4.9km az=-1.0.
IDC Error ellipse: s-maj=35.9km s-min=27.4km az=114.0.
NEIC Event type se. Error ellipse: s-maj=8.8km s-min=5.7km az=103.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=1.5km s-min=4.0km az=-1.0.
SJA V 14 11 32 35.4–2.4 33.06S 71.63W 33–9 4.1L,3.8W
¶617198757
SJA Error ellipse: s-maj=8.4km s-min=19.3km az=-1.0.
ISC V 14 11 32 55.9–.87 33.11S–.03 71.67W–.04 33–4 4.2b 63 0-156
IDC V 14 11 32 51.1–.98 33.16S 71.63W 0 4.2b,3.9 ¶610690269
NEIC V 14 11 32 55.9–1.6 33.14S–.03 71.64W–.10 31–6 4.3b,4.0L
GUC V 14 11 32 55.8–.83 33.14S 71.62W 29–3 4.0L,4.0L
ISC Event type se.
IDC Error ellipse: s-maj=28.5km s-min=16.0km az=131.0.
NEIC Event type se. Error ellipse: s-maj=12.5km s-min=2.3km az=110.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=2.1km s-min=2.9km az=-1.0.
ISC V 14 20 12 41.0–3.2 36.89S–.04 73.58W–.07 14–20 4.2b,4.1s 91 0-124
NEIC V 14 20 12 39.6–1.1 36.89S–.04 73.8W–.10 10–1 4.9,4.6 ¶610638708
IDC V 14 20 12 40.6–.83 36.83S 73.30W 0 4.1s,4.1
NEIC V 14 20 12 40.3 36.85S 73.77W 10 4.1s,4.1
GUC V 14 20 12 41.6–.68 36.93S 73.58W 29–2 4.7L,4.1
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.7km s-min=5.8km az=80.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-4.09 $M_{\theta\theta}$-0.57 $M_{\phi\phi}$4.66 $M_{r\theta}$-2.08 $M_{\theta\phi}$-1.74 $M_{\phi r}$-6.77 NP1:ϕ_s138.08000°,δ23.45000°,λ-140.07000°. NP2:ϕ_s10.56000° ,δ75.20000°,λ-71.60000°. Principal axes: T 8.3797,Plg28.0000°,Azm86.0000° ; N 0.2696,Plg18.0000°,Azm186.0000°; P -8.6494,Plg56.0000°,Azm304.0000° $M_0$8.52000×10^{15}
IDC Error ellipse: s-maj=24.3km s-min=17.3km az=105.0.
NEIC Event type se.
GUC Error ellipse: s-maj=2.7km s-min=6.0km az=-1.0.
ISC V 14 23 49 32.0–1.4 36.93S–.04 73.64W–.07 16–9 3.5b 73 0-124
NEIC V 14 23 49 30.0–.82 36.90S–.05 73.80W–.07 10–4 3.5b ¶611150808
IDC V 14 23 49 30.1–1.4 36.92S 73.49W 0 3.6L,3.5
GUC V 14 23 49 31.4–.73 36.93S 73.65W 24–3 4.1L,3.5
NEIC V 14 23 49 31 36.99S 73.68W 14 4.1L,3.5
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=8.8km s-min=7.3km az=112.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-0.52 $M_{\theta\theta}$0.23 $M_{\phi\phi}$0.29 $M_{r\theta}$-0.19 $M_{\theta\phi}$0.45 $M_{\phi r}$-0.90 NP1:ϕ_s250.00000°,δ23.97000°,λ-39.89000°. NP2:ϕ_s17.37000°,δ74.90000° ,λ-108.84000°. Principal axes: T 1.1283,Plg28.0000°,Azm122.0000°; N -0.0220,Plg18.0000° ,Azm22.0000°; P -1.1063,Plg56.0000°,Azm263.0000° $M_0$1.12000×10^{15}
IDC Error ellipse: s-maj=35.5km s-min=18.0km az=83.0.
GUC Error ellipse: s-maj=2.5km s-min=6.4km az=-1.0.
NEIC Event type se.
GUC V 15 09 18 52.5–.75 30.16S 71.63W 36–3 3.4L
¶612738843
GUC Error ellipse: s-maj=1.5km s-min=3.5km az=-1.0.
ISC V 16 04 36 15.2–1.1 32.02S–.02 71.63W–.04 27–8 4.6b 204 1-172
VAO V 16 04 36 08.6–.42 32.45S 71.93W 10 4.6b ¶610690383
SJA V 16 04 36 08.8–.74 32.00S 72.08W 7 4.4L,4.2W
IDC V 16 04 36 11.6–.80 31.97S 71.64W 0 4.4b,4.3
GUC V 16 04 36 15.9–.80 32.00S 71.63W 36–2 4.3L,4.3
NEIC V 16 04 36 17.7–1.1 32.02S–.03 71.6W–.10 43–7 4.5b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 16 19 46 59.9–.97 31.94S–.02 71.89W–.05 54–13 136 1-49
SJA V 16 19 46 57.8–.73 31.92S 71.95W 40–795 3.9L,3.8W ¶610641711
NEIC V 16 19 47 00.7–2.2 31.939S–.01 71.80W–.10 65–10 4.3b,4.0L
GUC V 16 19 47 02.4–.88 31.95S 71.55W 65–4 4.0L,4.0L
ISC Event type se.
SJA Error ellipse: s-maj=1.2km s-min=2.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=1.2km az=91.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=1.7km s-min=6.4km az=-1.0.
ISC V 17 18 14 02.4–1.6 32.08S–.03 71.91W–.07 1–11 48 1-6
SJA V 17 18 14 04.5–2.3 32.07S 71.91W 48–23 3.6L,3.5W ¶612738895
GUC V 17 18 14 05.5–.84 32.00S 71.61W 40–3 3.0L,3.5W
ISC Event type ke.
SJA Error ellipse: s-maj=8.1km s-min=11.4km az=-1.0.
GUC Error ellipse: s-maj=1.3km s-min=4.8km az=-1.0.
ISC V 18 04 11 36.0–1.3 32.52S–.02 71.95W–.05 20–3 66 1-4
SJA V 18 04 11 34.9–.73 32.51S 71.97W 14 3.5W,3.4L ¶612738904
GUC V 18 04 11 38.8–.74 32.55S 71.83W 26–26 3.2L,3.4L
ISC Event type ke.
SJA Error ellipse: s-maj=1.2km s-min=3.8km az=-1.0.
GUC Error ellipse: s-maj=2.2km s-min=2.7km az=-1.0.
ISC V 19 13 33 36.9–1.1 30.92S–.02 71.46W–.04 26–10 46 0-7
SJA V 19 13 33 34.3–.93 30.85S 71.54W 27–5 3.7W,3.6L ¶612738932
GUC V 19 13 33 36.6–.69 30.89S 71.34W 49–2 3.7L,3.6L
ISC Event type ke.
SJA Error ellipse: s-maj=3.6km s-min=6.2km az=-1.0.
GUC Error ellipse: s-maj=1.3km s-min=4.8km az=-1.0.
ISC V 20 04 25 07.0–1.5 32.05S–.03 71.82W–.06 14–11 52 1-6
SJA V 20 04 25 08.0–.66 32.11S 71.85W 50–17 3.6W,3.2L ¶612738940
GUC V 20 04 25 08.4–.82 32.01S 71.51W 37–4 2.9L,3.2L
ISC Event type ke.
SJA Error ellipse: s-maj=1.9km s-min=3.8km az=-1.0.
GUC Error ellipse: s-maj=1.5km s-min=4.9km az=-1.0.
ISC V 20 14 13 01.0–1.6 38.96S–.04 73.43W–.06 4–11 4.2b,3.4s 66 1-161
IDC V 20 14 12 56.0–7.7 38.86S 74.46W 0 4.2,4.0b ¶610685029
NEIC V 20 14 13 02.5–2.2 38.96S–.04 73.38W–.08 10–1 4.5L,4.3b
NEIC V 20 14 13 02.5 38.95S 73.43W 10 4.5L,4.3b
GUC V 20 14 13 04.0–.57 38.98S 73.47W 11–3 4.5L,4.3b
ISC Event type se.
IDC Error ellipse: s-maj=241.2km s-min=54.4km az=53.0.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=5.0km az=292.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}0.67 $M_{\theta\theta}$-0.11 $M_{\phi\phi}$-0.56 $M_{r\theta}$0.03 $M_{\theta\phi}$0.03 $M_{\phi r}$-1.09 NP1:ϕ_s178.19000°,δ75.26000°,λ90.96000°. NP2:ϕ_s354.43000°,δ14.77000° ,λ86.36000°. Principal axes: T 1.3098,Plg60.0000°,Azm90.0000°; N -0.1044,Plg1.0000° ,Azm358.0000°; P -1.2053,Plg30.0000°,Azm267.0000° $M_0$1.26000×10^{15}
NEIC Event type se.
GUC Error ellipse: s-maj=1.4km s-min=2.4km az=-1.0.
ISC V 21 00 44 10.8–1.6 34.59S–.04 72.14W–.07 40–11 51 0-5
SJA V 21 00 44 09.0–.74 34.51S 72.04W 31–2 3.9W,3.9L ¶612738957
GUC V 21 00 44 11.6–.75 34.44S 71.96W 49–6 3.9L,3.9L
ISC Event type ke.

SJA Error ellipse: s-maj=1.7km s-min=3.3km az=-1.0.
GUC Error ellipse: s-maj=3.7km s-min=5.9km az=-1.0.
ISC V 21 15 45 34.6–1.2 32.70S–.02 71.82W–.05 24–10 75 0-5
SJA V 21 15 45 32.6–.80 32.66S 71.84W 20–3 3.6W,3.2L **¶612738968**
GUC V 21 15 45 34.7–.77 32.72S 71.75W 27–2 3.2L,3.2L
ISC Event type ke.
SJA Error ellipse: s-maj=1.8km s-min=4.1km az=-1.0.
GUC Error ellipse: s-maj=2.0km s-min=2.5km az=-1.0.
ISC V 23 03 14 06.3–1.5 31.22S–.02 71.99W–.06 12–12 74 1-5
SJA V 23 03 14 05.9–.71 31.20S 71.97W 22–4 3.9W,3.8L **¶612738984**
GUC V 23 03 14 09.0–.75 31.26S 71.82W 32–3 4.0L,3.8L
ISC Event type ke.
SJA Error ellipse: s-maj=1.9km s-min=4.3km az=-1.0.
GUC Error ellipse: s-maj=1.4km s-min=3.6km az=-1.0.
ISC V 23 22 19 00.5–.69 30.66S–.02 71.70W–.04 32–4 4.3b 179 0-173
SJA V 23 22 18 56.7–.73 30.58S 71.87W 18–3 4.3L,4.2W **¶610650854**
VAO V 23 22 18 59.9–.43 30.69S 71.70W 24 4.3b,4.2W
NEIC V 23 22 19 00.5–2.1 30.62S–.04 71.75W–.07 28–5 4.5b,4.5L
GUC V 23 22 19 00.0–.68 30.63S 71.64W 30–2 4.4L,4.5L
NEIC V 23 22 19 00.5 30.64S 71.73W 24 4.4L,4.5L
IDC V 23 22 19 06.4–3.5 30.48S 71.60W 75–26 4.0,3.7b
ISC Event type se.
SJA Error ellipse: s-maj=1.6km s-min=3.2km az=-1.0.
VAO Error ellipse: s-maj=3.7km s-min=4.5km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=8.5km s-min=5.2km az=97.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}1.16 $M_{\theta\theta}$-0.08 $M_{\phi\phi}$-1.08 $M_{r\theta}$0.16 $M_{\theta\phi}$0.21
$M_{\phi r}$-0.59 NP1:ϕ_s167.08000°,δ59.13000°,λ88.24000°. NP2:ϕ_s350.50000°,δ30.91000°
,λ92.94000°. Principal axes: T 1.3181,Plg76.0000°,Azm72.0000°; N -0.0391,Plg2.0000°
,Azm168.0000°; P -1.2789,Plg14.0000°,Azm258.0000° $M_0$1.30000×10^{15}
GUC Error ellipse: s-maj=2.1km s-min=3.3km az=-1.0.
NEIC Event type se.
IDC Error ellipse: s-maj=37.0km s-min=17.6km az=56.0.
ISC V 24 05 54 49.8–1.1 30.31S–.04 71.75W–.07 29–9 4.1b 68 0-151
IDC V 24 05 54 45.0–2.1 30.29S 71.97W 0 3.9b,3.7 **¶610685274**
NEIC V 24 05 54 48.6–1.7 30.29S–.05 71.86W–.03 15–7 4.4b,4.3L
GUC V 24 05 54 50.3–.81 30.34S 71.64W 40–3 4.3L,4.3L
ISC Event type se.
IDC Error ellipse: s-maj=40.8km s-min=27.5km az=77.0.
NEIC Event type se. Error ellipse: s-maj=7.1km s-min=3.3km az=205.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=2.6km s-min=3.7km az=-1.0.
ISC V 28 12 05 48.5–.41 30.74S–.03 71.47W–.04 44–3 4.8b,3.5s 283 0-173
SJA V 28 12 05 42.7–.88 30.71S 71.76W 12–3 4.5L,4.2W **¶610655199**
GUC V 28 12 05 47.4–.82 30.72S 71.39W 45–2 4.6L,4.2W
VAO V 28 12 05 48.3–.44 30.81S 71.36W 42 4.6b,4.2W
IDC V 28 12 05 48.8–.47 30.71S 71.40W 48–4 4.4,4.2b
NEIC V 28 12 05 49.1–1.3 30.73S–.05 71.41W–.08 43–4 4.8b,4.6
NEIC V 28 12 05 49.1 30.73S 71.41W 42 4.8b,4.6
ISC Event type se.
SJA Error ellipse: s-maj=1.5km s-min=3.6km az=-1.0.
GUC Error ellipse: s-maj=1.4km s-min=2.7km az=-1.0.
VAO Error ellipse: s-maj=4.1km s-min=4.6km az=-1.0.
IDC Error ellipse: s-maj=15.8km s-min=11.0km az=78.0.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=7.0km az=90.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}3.26 $M_{\theta\theta}$-1.05 $M_{\phi\phi}$-2.21 $M_{r\theta}$1.01 $M_{\theta\phi}$0.38
$M_{\phi r}$-3.11 NP1:ϕ_s162.33000°,δ69.76000°,λ89.62000°. NP2:ϕ_s343.43000°,δ20.24000°
,λ91.03000°. Principal axes: T 4.7723,Plg65.0000°,Azm72.0000°; N -0.9381,Plg0.0000°
,Azm162.0000°; P -3.8342,Plg25.0000°,Azm253.0000° $M_0$4.38000×10^{15}
NEIC Event type se.
ISC V 29 13 48 07.7–1.9 28.37S–.03 71.61W–.08 7–11 40 0-5
SJA V 29 13 48 09.6–.87 28.42S 71.46W 28–3 3.8W,3.7L **¶612739083**
GUC V 29 13 48 13.1–.90 28.41S 71.28W 44–2 3.8L,3.7L
ISC Event type ke.
SJA Error ellipse: s-maj=2.5km s-min=6.0km az=-1.0.
GUC Error ellipse: s-maj=1.9km s-min=6.1km az=-1.0.
ISC V 29 20 39 35.3–1.7 32.15S–.02 71.94W–.05 9–11 117 1-153
SJA V 29 20 39 33.0–.78 32.13S 72.00W 14–2 3.9W,3.9L **¶610656905**
NEIC V 29 20 39 35.5–1.9 32.15S–.04 71.98W–.09 19–4 3.9W,3.9L
GUC V 29 20 39 36.9–.85 32.15S 71.85W 33–2 4.1L,3.9L
IDC V 29 20 39 38.2–1.9 32.42S 71.69W 0 3.9b,3.9L
ISC Event type se.
SJA Error ellipse: s-maj=1.3km s-min=3.6km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=5.9km az=88.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=1.6km s-min=3.8km az=-1.0.
IDC Error ellipse: s-maj=43.0km s-min=30.5km az=117.0.
ISC V 30 15 04 08.4–1.1 30.62S–.03 71.31W–.04 50–9 81 0-11
SJA V 30 15 04 04.7–.62 30.60S 71.52W 30–1 3.8W,3.7L **¶610656124**
NEIC V 30 15 04 07.6–1.5 30.62S–.04 71.32W–.09 63–10 3.8W,3.7L
GUC V 30 15 04 08.7–.89 30.65S 71.21W 58–3 4.1L,3.7L
ISC Event type se.
SJA Error ellipse: s-maj=1.0km s-min=3.1km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=4.1km az=71.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=1.8km s-min=3.3km az=-1.0.
ISC V 30 21 29 04.9–.95 30.68S–.02 71.81W–.05 30–5 113 0-55
SJA V 30 21 29 01.4–.74 30.63S 71.81W 12 3.9L,3.7W **¶611150928**
GUC V 30 21 29 05.3–.74 30.67S 71.69W 35–2 4.2L,3.7W
NEIC V 30 21 29 06.3–1.5 30.67S–.03 71.6W–.10 28–10 4.3b,4.2L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC VI 03 05 09 00.2–.77 29.92S 71.48W 36–3 3.5L
¶612739177
GUC Error ellipse: s-maj=1.7km s-min=3.8km az=-1.0.
ISC VI 03 12 28 39.7–1.5 31.51S–.02 71.57W–.05 12–11 55 1-4
SJA VI 03 12 28 39.2–.74 31.48S 71.71W 34–2 3.6W,3.4L **¶612739184**
GUC VI 03 12 28 42.0–.82 31.49S 71.47W 67–6 3.5L,3.4L
ISC Event type ke.
SJA Error ellipse: s-maj=1.4km s-min=3.4km az=-1.0.
GUC Error ellipse: s-maj=1.7km s-min=5.0km az=-1.0.
ISC VI 03 17 17 16.4–1.0 30.29S–.03 71.69W–.06 31–9 78 0-11
NEIC VI 03 17 17 17.9–2.5 30.34S–.03 71.61W–.05 31–10 4.0L **¶610661273**
GUC VI 03 17 17 17.0–.80 30.39S 71.58W 45–3 4.0L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=7.0km s-min=3.3km az=62.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=2.1km s-min=5.1km az=-1.0.
ISC VI 04 09 53 18.6–.85 30.64S–.03 71.34W–.05 53–8 71 0-151
SJA VI 04 09 53 16.8–.81 30.64S 71.43W 34–2 3.7W,3.7L **¶610791225**
IDC VI 04 09 53 19.3–5.5 30.60S 71.56W 66–35 3.8,3.7b
GUC VI 04 09 53 19.0–.84 30.67S 71.28W 56–3 3.9L,3.7b
ISC Event type se.
SJA Error ellipse: s-maj=1.6km s-min=3.9km az=-1.0.
IDC Error ellipse: s-maj=55.0km s-min=17.3km az=62.0.
GUC Error ellipse: s-maj=1.6km s-min=3.0km az=-1.0.
ISC VI 04 11 06 33.0–1.3 32.65S–.02 71.64W–.05 23–12 57 0-4
SJA VI 04 11 06 26.2–.76 32.57S 71.95W 7–4 3.6L,3.2W **¶612739198**
GUC VI 04 11 06 32.2–.84 32.64S 71.51W 36–4 3.4L,3.2W
ISC Event type ke.
SJA Error ellipse: s-maj=1.5km s-min=7.3km az=-1.0.
GUC Error ellipse: s-maj=2.6km s-min=3.2km az=-1.0.
ISC VI 06 03 32 22.6–1.3 31.63S–.02 71.57W–.05 25–14 61 1-4
SJA VI 06 03 32 19.5–.67 31.58S 71.72W 27–2 3.6W,3.6L **¶612739228**
GUC VI 06 03 32 23.4–.85 31.63S 71.45W 53–4 3.5L,3.6L
ISC Event type ke.
SJA Error ellipse: s-maj=1.2km s-min=2.8km az=-1.0.
GUC Error ellipse: s-maj=1.5km s-min=5.4km az=-1.0.
ISC VI 06 15 21 58.6–.64 28.83S–.02 71.73W–.04 10 4.0b,3.8s 120 1-153
SJA VI 06 15 21 54.1–.70 28.74S 71.99W 2–3 4.5L,3.7W **¶610664221**
NEIC VI 06 15 21 58.9–1.7 28.78S–.05 71.70W–.03 10–2 4.1L,3.9b
IDC VI 06 15 21 58.2–.99 28.76S 71.63W 0 3.9,3.9L
GUC VI 06 15 22 02.2–.64 28.83S 71.47W 35–13 4.1L,3.9L
VAO VI 06 15 22 07.3–3.9 28.78S 71.25W 10 4.2b,3.9L
ISC Event type se.
SJA Error ellipse: s-maj=1.6km s-min=4.5km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=8.7km s-min=4.2km az=164.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=28.3km s-min=23.8km az=78.0.
GUC Error ellipse: s-maj=1.3km s-min=5.2km az=-1.0.
VAO Error ellipse: s-maj=26.2km s-min=29.6km az=-1.0.
ISC VI 07 04 01 46.9–1.2 30.59S–.02 71.42W–.04 33–3 83 0-5
SJA VI 07 04 01 41.3–.88 30.52S 71.72W 20–3 3.9W,3.7L **¶612739249**
GUC VI 07 04 01 46.3–.71 30.60S 71.38W 50–1 3.9L,3.7L
ISC Event type ke.
SJA Error ellipse: s-maj=1.7km s-min=4.1km az=-1.0.
GUC Error ellipse: s-maj=1.4km s-min=2.6km az=-1.0.
ISC VI 08 14 38 14.2–1.5 30.14S–.02 71.68W–.04 1–11 81 1-151
SJA VI 08 14 38 14.6–.75 30.09S 71.84W 5–3 4.0L,3.6W **¶610791468**
IDC VI 08 14 38 14.5–1.3 30.30S 71.96W 0 4.2L,3.9
GUC VI 08 14 38 19.3–.71 30.06S 71.54W 27–4 3.9L,3.9
ISC Event type ke.
SJA Error ellipse: s-maj=2.0km s-min=4.4km az=-1.0.
IDC Error ellipse: s-maj=44.4km s-min=27.2km az=24.0.
GUC Error ellipse: s-maj=1.2km s-min=2.7km az=-1.0.
ISC VI 10 04 32 41.3–1.6 34.79S–.04 72.60W–.07 7–12 33 1-70
IDC VI 10 04 32 42.0–1.7 34.94S 72.85W 0 3.9L,3.7s **¶610791573**
GUC VI 10 04 32 44.2–.91 34.82S 72.60W 11–3 3.6L,3.7s
ISC Event type ke.
IDC Error ellipse: s-maj=88.5km s-min=22.1km az=77.0.
GUC Error ellipse: s-maj=2.3km s-min=4.6km az=-1.0.
ISC VI 11 07 26 05.5–1.2 32.76S–.03 71.66W–.05 15–9 36 0-5
SJA VI 11 07 26 03.5–.69 32.79S 71.89W 11 3.5L,3.4W **¶612739324**
GUC VI 11 07 26 09.0–.70 32.83S 71.55W 36–4 2.6L,3.4W
ISC Event type ke.
SJA Error ellipse: s-maj=2.0km s-min=5.4km az=-1.0.
GUC Error ellipse: s-maj=1.7km s-min=2.6km az=-1.0.
ISC VI 11 07 26 24.5–1.1 32.85S–.03 71.55W–.05 30–8 48 0-2
GUC VI 11 07 26 23.8–.84 32.80S 71.58W 38–2 3.4L **¶617209589**
ISC Event type ke.
GUC Error ellipse: s-maj=1.6km s-min=2.7km az=-1.0.
ISC VI 12 02 43 26.5–.50 31.51S–.01 71.71W–.03 28–3 5.7b,5.3s 1611 1-177
IDC VI 12 02 43 22.7–.38 31.51S 71.61W 0 5.3s,5.3b **¶611834102**
SJA VI 12 02 43 22.3–.68 31.49S 71.99W 10–3 5.9L,5.5W
NEIC VI 12 02 43 25.5 31.49S 71.81W 18 5.9L,5.5W
NEIC VI 12 02 43 25.5 31.49S 71.81W 18 5.9L,5.5W
MOS VI 12 02 43 26.7–1.1 31.46S 71.58W 33 5.9b,5.4s
VAO VI 12 02 43 26.1–.24 31.50S 71.63W 26 5.8b,5.4s
NEIC VI 12 02 43 26.9 31.80S 71.87W 46 5.8b,5.4s
NEIC VI 12 02 43 26.9 31.50S 71.75W 46 5.8b,5.4s
NEIC VI 12 02 43 26.8–1.9 31.500S–.01 71.76W–.06 27–1 5.7,5.7
GUC VI 12 02 43 27.4–.84 31.52S 71.67W 27–3 5.8L,5.7
GCMT VI 12 02 43 31.8–.10 31.49S–.01 71.87W–.01 34–0 5.7W,5.7
ISC Event type se.
NEIC Event type se.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 3s4 Moment tensor: Scale 10^{17}Nm;
M_{rr}3.92 $M_{\theta\theta}$0.09 $M_{\phi\phi}$-4.01 $M_{r\theta}$0.06 $M_{\theta\phi}$0.78 $M_{\phi r}$-1.90 NP1:ϕ_s173.42000°,δ57.61000°
,λ94.25000°. NP2:ϕ_s345.52000°,δ32.64000°,λ83.33000°. Principal axes:
T 4.3542,Plg77.0000°,Azm97.0000°; N 0.2197,Plg4.0000°,Azm351.0000°
; P -4.5740,Plg13.0000°,Azm260.0000° $M_0$4.46000×10^{17}
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.84 $M_{\theta\theta}$0.04 $M_{\phi\phi}$-1.87 $M_{r\theta}$0.43 $M_{\theta\phi}$0.07
$M_{\phi r}$-1.28 NP1:ϕ_s168.30000°,δ63.11000°,λ81.03000°. NP2:ϕ_s7.54000°,δ28.24000°
,λ107.10000°. Principal axes: T 2.3026,Plg71.0000°,Azm59.0000°; N -0.0175,Plg8.0000°
,Azm172.0000°; P -2.2850,Plg18.0000°,Azm265.0000° $M_0$2.29000×10^{17} Moment Tensor
Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}2.89 $M_{\theta\theta}$1.34 $M_{\phi\phi}$-4.23 $M_{r\theta}$0.05 $M_{\theta\phi}$-0.03
$M_{\phi r}$-1.52 NP1:ϕ_s178.66000°,δ56.61000°,λ87.95000°. NP2:ϕ_s2.39000°,δ33.45000°
,λ93.11000°. Principal axes: T 3.2018,Plg78.0000°,Azm81.0000°; N 1.3385,Plg2.0000°
,Azm180.0000°; P -4.5403,Plg12.0000°,Azm270.0000° $M_0$4.04000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function. Moment Tensor Solution. s138,c254; s138,c251;Duration: 1s8
Moment tensor: Scale 10^{17}Nm; M_{rr}3.83±.05 $M_{\theta\theta}$0.37±.04; $M_{\phi\phi}$-4.19±.04; $M_{r\theta}$0.44±.05;
$M_{\theta\phi}$0.05±.03; $M_{\phi r}$-3.20±.08; Best double couple: NP1:ϕ_s175.00000°,δ64.00000°,λ86.00000°.
NP2:ϕ_s5.00000°,δ26.00000°,λ99.00000°. Principal axes: T 4.9850,Plg70.0000°,Azm75.0000°
; N 0.3410,Plg4.0000°,Azm177.0000°; P -5.3170,Plg19.0000°,Azm268.0000°
$M_0$5.15100×10^{17}
ISC VI 12 09 28 51.7–1.4 31.54S–.02 71.76W–.04 10–10 4.1b 109 1-152
IDC VI 12 09 28 49.4–2.6 32.15S 71.41W 0 4.2b,4.0 **¶610791715**
SJA VI 12 09 28 50.4–.85 31.48S 71.96W 14–3 3.9W,3.9L
GUC VI 12 09 28 54.1–.68 31.46S 71.63W 55–14 3.9L,3.9L
NEIC VI 12 09 28 55.3–1.6 31.50S–.04 71.8W–.10 34–3 4.0b,3.9L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 12 11 27 04.5–.82 33.08S–.02 71.89W–.04 27–5 4.7b,3.7s 201 0-171
SJA VI 12 11 26 57.4–.64 33.07S 72.38W 8 4.5L,4.2W **¶610791720**
IDC VI 12 11 27 01.0–.68 33.06S 71.67W 0 4.5b,4.4
VAO VI 12 11 27 03.5–.33 33.10S 71.90W 25 4.6b,4.4
NEIC VI 12 11 27 05.1–1.7 33.07S–.03 71.86W–.03 26–4 4.8b,4.4
NEIC VI 12 11 27 05 33.07S 71.87W 26 4.8b,4.4
GUC VI 12 11 27 06.2–.88 33.08S 71.76W 30–4 4.6L,4.4
ISC Event type se.
SJA Error ellipse: s-maj=1.9km s-min=6.8km az=-1.0.
IDC Error ellipse: s-maj=26.8km s-min=17.6km az=89.0.
VAO Error ellipse: s-maj=3.7km s-min=3.6km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=5.5km s-min=2.8km az=210.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}2.41 $M_{\theta\theta}$-0.05 $M_{\phi\phi}$-2.36 $M_{r\theta}$0.13
$M_{\theta\phi}$-0.03 $M_{\phi r}$-1.91 NP1:ϕ_s177.92000°,δ64.40000°,λ87.53000°. NP2:ϕ_s3.61000°,δ25.71000°
,λ95.13000°. Principal axes: T 3.0851,Plg70.0000°,Azm83.0000°; N -0.0560,Plg2.0000°
,Azm179.0000°; P -3.0290,Plg19.0000°,Azm270.0000° $M_0$3.06000×10^{15}
NEIC Event type se.
GUC Error ellipse: s-maj=1.9km s-min=3.3km az=-1.0.
ISC VI 13 10 51 37.3–1.4 28.08S–.04 71.15W–.07 35–4 37 0-7
SJA VI 13 10 51 35.5–1.0 28.11S 71.03W 30 3.5W,3.2L **¶612739375**
GUC VI 13 10 51 36.4–.67 28.12S 70.99W 48–2 3.3L,3.2L
ISC Event type ke.
SJA Error ellipse: s-maj=7.3km s-min=6.7km az=-1.0.
GUC Error ellipse: s-maj=1.6km s-min=3.9km az=-1.0.
ISC VI 16 09 46 59.1–.60 30.95S–.03 71.04W–.04 75–5 4.4b 192 0-172
NEIC VI 16 09 46 59.9–2.3 30.92S–.05 71.05W–.05 79–6 4.5,4.4b **¶610677961**
VAO VI 16 09 46 59.9–2.3 30.89S 70.86W 67–9 4.2b,4.4b
SJA VI 16 09 46 59.2–.87 30.94S 71.09W 68–7 4.6L,4.3W
GUC VI 16 09 47 00.2–.71 30.95S 70.98W 85–2 4.6L,4.3W
IDC VI 16 09 47 00.1–3.0 30.99S 71.05W 84–25 4.0,3.6b
NEIC VI 16 09 47 00 30.94S 71.06W 80 4.0,3.6b
ISC Event type se.

NEIC Event type se. Error ellipse: s-maj=7.0km s-min=6.5km az=128.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-1.13 $M_{\theta\theta}$1.14 $M_{\phi\phi}$-0.01 $M_{r\theta}$1.13
$M_{\theta\phi}$-0.38 $M_{\phi r}$-1.07 NP1:ϕ_s87.70000°,δ22.69000°,λ-127.43000°. NP2:ϕ_s307.38000°
,δ72.16000°,λ-75.74000°. Principal axes: T 1.9443,Plg26.0000°,Azm26.0000°
; N 0.0498,Plg14.0000°,Azm123.0000°; P -1.9941,Plg60.0000°,Azm238.0000°
$M_0$1.97000×10^{15}
VAO Error ellipse: s-maj=15.4km s-min=15.9km az=-1.0.
SJA Error ellipse: s-maj=1.7km s-min=3.6km az=-1.0.
GUC Error ellipse: s-maj=1.0km s-min=3.9km az=-1.0.
IDC Error ellipse: s-maj=25.6km s-min=24.3km az=131.0.
NEIC Event type se.
ISC VI 16 13 09 50.3–1.3 28.53S–.03 71.05W–.07 66–8 53 0-5
GUC VI 16 13 09 48.4–.45 28.58S 71.18W 39–8 3.7L ¶612739431
SJA VI 16 13 09 50.1–.59 28.59S 70.88W 62–3 3.8W,3.6L
ISC Event type ke.
GUC Error ellipse: s-maj=1.7km s-min=7.7km az=-1.0.
SJA Error ellipse: s-maj=1.8km s-min=6.4km az=-1.0.
ISC VI 18 04 41 00.4–.39 32.11S–.02 71.88W–.04 21–3 4.8b,4.1s 262 1-172
SJA VI 18 04 40 56.0–.72 32.08S 72.20W 13–3 4.6W,4.5L ¶610681498
VAO VI 18 04 41 00.1–.38 32.13S 71.94W 23 4.6b,4.5L
NEIC VI 18 04 41 00.6–1.8 32.11S–.01 71.90W–.06 22–4 4.7,4.7b
NEIC VI 18 04 41 00 32.12S 71.87W 20 4.7,4.7b
IDC VI 18 04 41 01.2–.63 32.07S 71.78W 26–4 4.4,4.3b
GUC VI 18 04 41 01.1–.88 32.13S 71.84W 34–2 4.4L,4.3b
ISC Event type ke.
SJA Error ellipse: s-maj=1.6km s-min=4.6km az=-1.0.
VAO Error ellipse: s-maj=3.8km s-min=3.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=7.0km s-min=2.1km az=86.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}6.79 $M_{\theta\theta}$0.26 $M_{\phi\phi}$-7.05 $M_{r\theta}$0.35 $M_{\theta\phi}$0.05
$M_{\phi r}$-2.70 NP1:ϕ_s177.00000°,δ55.71000°,λ86.98000°. NP2:ϕ_s2.36000°,δ34.40000°
,λ94.42000°. Principal axes: T 7.3119,Plg79.0000°,Azm76.0000°; N 0.2418,Plg2.0000°
,Azm179.0000°; P -7.5537,Plg11.0000°,Azm269.0000° $M_0$7.44000×10^{15}
NEIC Event type se.
IDC Error ellipse: s-maj=24.1km s-min=15.6km az=97.0.
GUC Error ellipse: s-maj=1.4km s-min=4.0km az=-1.0.
ISC VI 18 04 56 21.4–1.1 32.11S–.03 71.85W–.06 14–6 46 1-155
IDC VI 18 04 56 19.9–1.6 32.15S 71.64W 0 4.1b,3.8 ¶610792096
GUC VI 18 04 56 23.2–.91 32.11S 71.97W 15–9 3.6L,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=38.7km s-min=22.5km az=167.0.
GUC Error ellipse: s-maj=1.4km s-min=4.2km az=-1.0.
ISC VI 18 18 04 39.4–1.7 29.11S–.03 71.73W–.07 23–12 4.0b 85 1-153
IDC VI 18 18 04 36.5–1.2 29.20S 71.49W 0 3.9b,3.7 ¶610792139
SJA VI 18 18 04 39.3–.57 29.14S 71.61W 35–2 4.1W,3.8L
GUC VI 18 18 04 40.1–.57 29.18S 71.59W 42–1 3.9L,3.8L
ISC Event type ke.
IDC Error ellipse: s-maj=30.2km s-min=26.1km az=141.0.
SJA Error ellipse: s-maj=1.6km s-min=3.7km az=-1.0.
GUC Error ellipse: s-maj=1.1km s-min=2.7km az=-1.0.
ISC VI 18 20 43 28.3–3.2 29.99S–.02 71.32W–.05 9–23 67 0-5
SJA VI 18 20 43 29.7–.80 30.01S 71.19W 73–7 3.5W,3.4L ¶612739457
GUC VI 18 20 43 31.3–.56 30.03S 71.12W 67–3 3.6L,3.4L
ISC Event type ke.
SJA Error ellipse: s-maj=2.4km s-min=16.4km az=-1.0.
GUC Error ellipse: s-maj=1.0km s-min=2.6km az=-1.0.
IDC VI 19 22 28 10.3–2.9 38.39S 73.79W 0 3.7b,3.6L
¶610792218
IDC Error ellipse: s-maj=148.2km s-min=20.5km az=48.0.
GUC VI 20 01 18 36.1–.54 32.00S 71.84W 51–7 3.1L
¶612739472
GUC Error ellipse: s-maj=4.8km s-min=4.7km az=-1.0.
ISC VI 20 14 41 54.3–1.4 28.53S–.03 71.17W–.07 68–8 49 0-4
SJA VI 20 14 41 54.2–.65 28.57S 71.03W 64–4 3.6L,3.3W ¶612739489
GUC VI 20 14 41 54.2–.67 28.56S 71.00W 65–3 3.3L,3.3W
ISC Event type ke.
SJA Error ellipse: s-maj=2.1km s-min=7.5km az=-1.0.
GUC Error ellipse: s-maj=1.6km s-min=3.7km az=-1.0.
ISC VI 23 14 28 49.2–1.4 33.35S–.03 71.97W–.06 28–10 54 0-6
SJA VI 23 14 28 46.6–.69 33.29S 72.32W 30 3.5W,3.3L ¶612739537
GUC VI 23 14 28 50.1–.73 33.33S 71.81W 25–4 3.4L,3.3L
ISC Event type ke.
SJA Error ellipse: s-maj=6.4km s-min=10.8km az=-1.0.
GUC Error ellipse: s-maj=1.4km s-min=3.8km az=-1.0.
ISC VI 23 16 04 19.1–1.0 30.59S–.02 71.54W–.04 17–7 54 0-4
SJA VI 23 16 04 13.6–.55 30.55S 71.98W 8 3.6W,3.4L ¶612739541
GUC VI 23 16 04 18.6–.62 30.64S 71.69W 32–1 3.5L,3.4L
ISC Event type ke.
SJA Error ellipse: s-maj=1.8km s-min=4.0km az=-1.0.
GUC Error ellipse: s-maj=1.5km s-min=3.1km az=-1.0.
ISC VI 26 06 47 06.0–1.2 32.51S–.02 71.76W–.04 11–8 4.1b 98 1-156
IDC VI 26 06 47 04.5–.72 32.46S 71.63W 0 4.0b,3.8 ¶610789490
SJA VI 26 06 47 04.2–.72 32.52S 72.12W 15 4.1W,4.1L
GUC VI 26 06 47 08.7–.88 32.54S 71.65W 36–4 4.0L,4.1L
ISC Event type ke.
IDC Error ellipse: s-maj=21.2km s-min=16.3km az=137.0.
SJA Error ellipse: s-maj=2.0km s-min=5.0km az=-1.0.
GUC Error ellipse: s-maj=1.4km s-min=3.2km az=-1.0.
ISC VI 26 09 46 42.5–1.5 32.49S–.02 71.94W–.05 2–11 69 1-5
SJA VI 26 09 46 41.9–.78 32.45S 72.06W 23–4 3.9W,3.7L ¶612739587
GUC VI 26 09 46 45.0–.65 32.47S 71.90W 24–15 3.7L,3.7L
ISC Event type ke.
SJA Error ellipse: s-maj=1.8km s-min=5.9km az=-1.0.
GUC Error ellipse: s-maj=1.1km s-min=4.3km az=-1.0.
ISC VI 26 14 44 50.5–.28 30.65S–.02 71.33W–.03 51–2 5.1b,4.3s 670 0-176
MOS VI 26 14 44 49.9–.97 30.60S 71.19W 55 5.4b,4.3s ¶610695069
SJA VI 26 14 44 49.7–.74 30.63S 71.37W 38–2 5.1L,5.0W
IDC VI 26 14 44 50.6–.45 30.64S 71.23W 51–3 4.8,4.6b
GUC VI 26 14 44 50.1–.81 30.66S 71.26W 53–2 5.3L,4.6b
VAO VI 26 14 44 51.2–.39 30.65S 71.16W 52 5.1b,4.6b
NEIC VI 26 14 44 51.2–1.6 30.66S–.03 71.36W–.09 53–4 5.1,5.1
NEIC VI 26 14 44 51.2 30.67S 71.31W 60 5.1,5.1
NEIC VI 26 14 44 51.2 30.67S 71.31W 60 5.1,5.1
GCMT VI 26 14 44 53.2–.20 30.77S–.01 71.53W–.02 55–1 5.2W,5.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2s0 Moment tensor: Scale 10^{16}Nm;
M_{rr}4.63 $M_{\theta\theta}$-0.26 $M_{\phi\phi}$-4.37 $M_{r\theta}$0.39 $M_{\theta\phi}$-1.40 $M_{\phi r}$-2.69 NP1:ϕ_s184.83000°,δ59.95000°
,λ77.24000°. NP2:ϕ_s29.17000°,δ32.42000°,λ110.90000°. Principal axes:
T 5.4716,Plg72.0000°,Azm64.0000°; N -0.0597,Plg11.0000°,Azm191.0000°
; P -5.4119,Plg14.0000°,Azm284.0000° $M_0$5.44000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function. Moment Tensor Solution. s90,c118; s116,c160;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}5.27±.14 $M_{\theta\theta}$1.11±.13; $M_{\phi\phi}$-6.38±.13; $M_{r\theta}$0.81±.09;
$M_{\theta\phi}$0.54±.11; $M_{\phi r}$-3.67±.13; Best double couple: NP1:ϕ_s170.00000°,δ61.00000°,λ84.00000°.
NP2:ϕ_s3.00000°,δ29.00000°,λ101.00000°. Principal axes: T 6.4050,Plg73.0000°
,Azm66.0000°; N 1.0980,Plg5.0000°,Azm173.0000°; P -7.5040,Plg16.0000°,Azm265.0000°
$M_0$6.95500×10^{16}
ISC VI 27 20 28 15.4–1.1 30.25S–.03 71.27W–.04 31–10 46 0-5
SJA VI 27 20 28 13.1–.63 30.23S 71.31W 31–2 3.6W,3.4L ¶612739617
GUC VI 27 20 28 14.4–.64 30.31S 71.30W 42–3 3.4L,3.4L
ISC Event type ke.
SJA Error ellipse: s-maj=1.3km s-min=3.7km az=-1.0.
GUC Error ellipse: s-maj=2.1km s-min=2.6km az=-1.0.
GUC VI 28 22 25 33.2–.89 31.50S 71.69W 38–3 3.7L
¶612739625
GUC Error ellipse: s-maj=1.3km s-min=4.0km az=-1.0.
ISC VI 29 07 43 45.7–.53 34.73S–.02 71.82W–.04 28–3 4.3b 94 0-148
GUC VI 29 07 43 46.7–.79 34.76S 71.77W 35–9 3.9L ¶610728821
IDC VI 29 07 43 47.1–.68 34.73S 71.71W 35–5 4.0L,3.9
NEIC VI 29 07 43 47.4–1.1 34.74S–.04 71.85W–.08 45–7 4.3b,4.1
NEIC VI 29 07 43 47.4 34.73S 71.85W 41 4.3b,4.1
ISC Event type se.
GUC Error ellipse: s-maj=1.9km s-min=7.8km az=-1.0.
IDC Error ellipse: s-maj=24.3km s-min=14.5km az=95.0.
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=6.0km az=99.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}1.38 $M_{\theta\theta}$-0.27 $M_{\phi\phi}$-1.11 $M_{r\theta}$0.16
$M_{\theta\phi}$-0.44 $M_{\phi r}$-1.59 NP1:ϕ_s182.56000°,δ70.53000°,λ77.40000°. NP2:ϕ_s36.40000°,δ23.06000°
,λ121.67000°. Principal axes: T 2.2044,Plg62.0000°,Azm73.0000°; N -0.2507,Plg12.0000°
,Azm187.0000°; P -1.9537,Plg25.0000°,Azm282.0000° $M_0$2.09000×10^{15}
NEIC Event type se.
ISC VI 29 08 16 52.2–.45 34.76S–.02 71.85W–.04 43–4 4.7b,3.8s 271 0-171
SJA VI 29 08 16 50.6–1.0 34.56S 71.97W 18–6 4.9L,4.3W ¶610699057
VAO VI 29 08 16 51.9–.32 34.71S 71.80W 41 4.8b,4.3W
GUC VI 29 08 16 51.6–.84 34.75S 71.77W 41–2 4.8L,4.3W
NEIC VI 29 08 16 52.5–1.3 34.73S–.04 71.84W–.06 41–5 4.8b,4.6
IDC VI 29 08 16 52.5–.54 34.73S 71.91W 46–4 4.4,4.1b
NEIC VI 29 08 16 52.6 34.72S 71.85W 43 4.4,4.1b
ISC Event type se.
SJA Error ellipse: s-maj=4.4km s-min=5.2km az=-1.0.
VAO Error ellipse: s-maj=3.9km s-min=3.8km az=-1.0.
GUC Error ellipse: s-maj=1.6km s-min=3.0km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=7.9km s-min=5.1km az=115.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}3.92 $M_{\theta\theta}$-0.08 $M_{\phi\phi}$-3.84 $M_{r\theta}$0.89
$M_{\theta\phi}$-0.78 $M_{\phi r}$-4.39 NP1:ϕ_s174.84000°,δ69.76000°,λ78.37000°. NP2:ϕ_s25.58000°,δ23.22000°
,λ118.66000°. Principal axes: T 6.1074,Plg63.0000°,Azm66.0000°; N -0.2669,Plg11.0000°
,Azm179.0000°; P -5.8405,Plg24.0000°,Azm274.0000° $M_0$5.98000×10^{15}
IDC Error ellipse: s-maj=16.0km s-min=10.6km az=105.0.
NEIC Event type se.

(136) Central Chile.

ISC III 13 05 49 46.3–.65 28.88S–.04 70.23W–.06 99–6 3.3b 78 0-152
IDC III 13 05 49 29.9–3.9 30.28S 70.78W 0 3.9L,3.5 ¶610546115
SJA III 13 05 49 46.6–1.6 28.87S 70.30W 96–6 3.7W,3.6L
NEIC III 13 05 49 46.5–1.2 28.89S–.04 70.28W–.08 105–3 4.4b,3.6L
GUC III 13 05 49 47.4–.77 28.94S 70.31W 87–4 3.6L,3.6L
ISC Event type se.
IDC Error ellipse: s-maj=150.7km s-min=43.2km az=14.0.
SJA Error ellipse: s-maj=3.0km s-min=6.1km az=-1.0. Hypocentre not reviewed by the ISC.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=5.6km az=88.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=2.3km s-min=4.9km az=-1.0.
ISC III 27 03 03 32.6–.38 36.23S–.03 71.79W–.05 91–3 4.8b 338 1-175
SJA III 27 03 03 31.6–1.4 36.19S 71.86W 90–34 4.8L,4.7W ¶610435259
NEIC III 27 03 03 32.3–1.5 36.24S–.05 71.74W–.09 89–5 5.1,5.0
NEIC III 27 03 03 32.1 36.24S 71.76W 86 5.1,5.0
GUC III 27 03 03 32.9–.59 36.25S 71.77W 92–6 5.1L,5.0
VAO III 27 03 03 32.2–.33 36.32S 71.76W 85 5.1b,5.0
IDC III 27 03 03 33.3–.62 36.19S 71.53W 88–5 4.8,4.5b
GCMT III 27 03 03 35.3–.20 36.34S–.01 71.79W–.02 103–2 5.1W,4.5b
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s336.51837°,δ77.53088°,λ-119.38805°. NP2:
ϕ_s225.54297°,δ31.70514°,λ-24.25730°. Principal axes: T Plg26.6736°,Azm89.3683°
; N Plg28.6297°,Azm343.4516°; P Plg48.9603°,Azm214.6153°
ISC Hypocentre not reviewed by the ISC.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.09 $M_{\theta\theta}$-1.56 $M_{\phi\phi}$1.47 $M_{r\theta}$0.55 $M_{\theta\phi}$1.15
$M_{\phi r}$-3.40 NP1:ϕ_s341.85000°,δ89.53000°,λ-118.14000°. NP2:ϕ_s250.97000°,δ28.14000°
,λ-1.00000°. Principal axes: T 4.3055,Plg38.0000°,Azm97.0000°; N -0.8823,Plg28.0000°
,Azm342.0000°; P -3.4231,Plg39.0000°,Azm226.0000° $M_0$3.94000×10^{16}
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function. Moment Tensor Solution. s53,c65; s103,c148;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-0.53±.12 $M_{\theta\theta}$-2.06±.12; $M_{\phi\phi}$2.59±.15; $M_{r\theta}$1.16±.07;
$M_{\theta\phi}$2.31±.10; $M_{\phi r}$-3.37±.09; Best double couple: NP1:ϕ_s341.00000°,δ86.00000°,λ-132.00000°.
NP2:ϕ_s246.00000°,δ42.00000°,λ-6.00000°. Principal axes: T 5.0140,Plg29.0000°
,Azm103.0000°; N -0.3200,Plg42.0000°,Azm344.0000°; P -4.6980,Plg35.0000°
,Azm215.0000° $M_0$4.85600×10^{16}
ISC IV 04 08 53 30.8–1.4 36.36S–.04 71.99W–.07 81–15 49 1-8
GUC IV 04 08 53 30.9–.65 36.40S 71.91W 78–5 4.2L ¶611149416
NEIC IV 04 08 53 30.8–1.1 36.34S–.07 72.1W–.10 83–15 4.2L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 07 19 27 53.7–1.1 35.20S–.05 71.15W–.07 108–8 49 1-157
IDC IV 07 19 27 41.4–1.8 34.58S 69.52W 0 3.5L,3.3 ¶610652176
GUC IV 07 19 27 55.0–.92 35.18S 71.13W 102–4 3.3L,3.3
ISC Event type ke.
IDC Error ellipse: s-maj=84.1km s-min=38.8km az=90.0.
GUC Error ellipse: s-maj=2.3km s-min=4.3km az=-1.0.
ISC IV 18 22 25 33.9–.60 35.35S–.04 71.22W–.05 108–5 4.4b 179 0-169
NEIC IV 18 22 25 34.1–1.3 35.37S–.05 71.21W–.03 105–5 4.5L,4.5b ¶610532693
GUC IV 18 22 25 34.7–.67 35.33S 71.23W 107–4 4.5L,4.5b
VAO IV 18 22 25 34.4–.58 35.39S 71.07W 108 4.3b,4.5b
IDC IV 18 22 25 35.0–2.0 35.35S 70.90W 111–16 4.1,3.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=2.2km az=164.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=2.1km s-min=4.6km az=-1.0.
VAO Error ellipse: s-maj=5.0km s-min=7.0km az=-1.0.
IDC Error ellipse: s-maj=21.6km s-min=12.0km az=92.0.
ISC IV 27 04 55 02.6–.59 28.62S–.03 70.71W–.04 65–4 3.8b 121 0-152
VAO IV 27 04 54 55.9–1.6 28.89S 71.01W 10 4.4b ¶610650103
SJA IV 27 04 55 01.9–1.2 28.60S 70.78W 78–4 4.5L,4.2W
GUC IV 27 04 55 01.6–.77 28.64S 70.65W 72–3 4.4L,4.2W
NEIC IV 27 04 55 02.6–1.4 28.60S–.05 70.82W–.09 75–5 4.3b,4.2W
IDC IV 27 04 55 07.6–1.2 28.59S 70.26W 104–8 3.6,3.2b
ISC Event type se.
VAO Error ellipse: s-maj=6.7km s-min=15.0km az=-1.0.
SJA Error ellipse: s-maj=2.9km s-min=7.8km az=-1.0.
GUC Error ellipse: s-maj=1.3km s-min=3.6km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=6.7km az=106.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=30.1km s-min=12.5km az=72.0.
ISC V 01 19 43 46.5–.70 29.32S–.03 70.33W–.04 94–6 3.4b 131 0-152
SJA V 01 19 43 46.0–.83 29.29S 70.31W 105–3 4.1L,4.0W ¶610689335
IDC V 01 19 43 47.5–2.1 29.23S 70.12W 94–17 3.8,3.5b
NEIC V 01 19 43 47.0–1.6 29.28S–.03 70.4W–.10 100–6 3.8,3.5b
GUC V 01 19 43 47.1–.85 29.31S 70.33W 84–4 4.1L,3.5b
ISC Event type se.
SJA Error ellipse: s-maj=1.6km s-min=5.0km az=-1.0.
IDC Error ellipse: s-maj=35.4km s-min=11.6km az=78.0.
NEIC Event type se. Error ellipse: s-maj=13.8km s-min=4.2km az=95.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=1.8km s-min=3.2km az=-1.0.
ISC V 20 09 11 17.4–.76 35.42S–.03 71.50W–.05 84–6 4.5b 119 0-55
SJA V 20 09 11 15.8–.78 35.45S 71.51W 87–4 4.1L,3.9W ¶610645884
NEIC V 20 09 11 17.8–1.2 35.38S–.03 71.6W–.10 86–6 4.2L,4.2b
GUC V 20 09 11 18.7–.75 35.38S 71.46W 80–3 4.2L,4.2b

ISC Event type se.
SJA Error ellipse: s-maj=2.7km s-min=4.5km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=15.7km s-min=4.5km az=86.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=2.1km s-min=3.3km az=-1.0.
ISC VI 29 21 38 05.4–.96 37.29S–.03 72.26W–.07 134–10 90 1-13
NEIC VI 29 21 38 06.5–1.4 37.32S–.04 72.14W–.09 117–15 4.1L **¶610712016**
GUC VI 29 21 38 06.3–.60 37.33S 72.15W 127–7 4.1L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=4.5km az=116.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=1.6km s-min=5.9km az=-1.0.

(137) San Juan Province.

ISC I 11 17 19 54.7–1.7 31.00S–.05 67.96W–.05 0–11 4.3b 88 1-152
IDC I 11 17 19 53.2–1.6 30.75S 68.10W 0 3.9L,3.8b **¶610237174**
VAO I 11 17 19 54.9–11 31.14S 68.18W 10 4.6b,3.8b
NEIC I 11 17 19 57.4–2.1 31.06S–.05 68.03W–.06 10–2 4.7b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 20 03 18 07.4–.64 31.16S–.03 68.95W–.04 118–6 4.2b 110 0-153
GUC I 20 03 18 07.4–.76 31.12S 69.03W 115–16 4.3L **¶610234910**
NEIC I 20 03 18 07.8–1.5 31.22S–.06 68.93W–.07 117–5 4.3b,4.1L
IDC I 20 03 18 07.7–1.0 31.15S 68.91W 114–7 3.7,3.5b
ISC Event type se.
GUC Error ellipse: s-maj=1.7km s-min=5.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=7.9km az=50.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=28.3km s-min=17.9km az=87.0.
ISC I 22 02 50 37.4–.48 31.59S–.03 68.97W–.03 114–4 4.7b 306 0-170
VAO I 22 02 50 17.7–.36 32.49S 69.88W 10 4.6b **¶610105059**
SJA I 22 02 50 35.4–.70 31.68S 68.91W 132–3 4.4L,4.3W
IDC I 22 02 50 37.8–.56 31.60S 68.86W 112–3 4.4,4.1b
NEIC I 22 02 50 37.8–1.8 31.61S–.05 68.97W–.07 115–4 4.7b,4.1b
GUC I 22 02 50 38.0–.80 31.64S 69.33W 152–9 4.5L,4.1b
ISC Event type se.
VAO Error ellipse: s-maj=3.5km s-min=3.6km az=-1.0.
SJA Error ellipse: s-maj=1.8km s-min=2.7km az=-1.0.
IDC Error ellipse: s-maj=15.8km s-min=13.8km az=50.0.
NEIC Event type se. Error ellipse: s-maj=9.0km s-min=7.8km az=91.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=1.8km s-min=8.7km az=-1.0.
ISC I 24 16 37 36.2–.86 31.9S–.10 67.7W–.10 35 8 1-153
IDC I 24 16 37 36.1–2.8 31.98S 67.68W 35–22 3.8L,3.5 **¶610235273**
ISC Event type ke.
IDC Error ellipse: s-maj=35.0km s-min=31.9km az=61.0.
ISC I 27 14 29 23.1–.61 31.45S–.03 68.96W–.03 112–5 4.1b 137 0-153
SJA I 27 14 29 22.6–.63 31.45S 68.98W 108–2 4.4L,4.1W **¶610235481**
IDC I 27 14 29 22.2–.96 31.47S 69.05W 102–6 4.0,3.7b
NEIC I 27 14 29 23.5–2.9 31.48S–.06 69.0W–.10 114–10 4.6b,3.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 28 10 13 11.5–.91 30.89S–.09 67.5W–.10 31 10 8-152
IDC I 28 10 13 12.5–2.9 30.87S 67.47W 40–24 3.7,3.7L **¶610235552**
ISC Event type ke.
IDC Error ellipse: s-maj=26.7km s-min=23.2km az=90.0.
ISC I 29 15 47 00.3–.49 30.37S–.03 68.80W–.03 109–4 4.5b 206 1-171
VAO I 29 15 46 50.2–2.2 30.94S 69.41W 68–7 4.4b **¶610147592**
SJA I 29 15 46 58.1–.65 30.42S 68.82W 139–4 4.3L,4.2W
NEIC I 29 15 46 60.0–1.4 30.40S–.06 68.66W–.04 99–6 4.6b,4.2W
IDC I 29 15 47 00.7–.65 30.39S 68.93W 113–4 4.4,4.3b
ISC Event type se.
VAO Error ellipse: s-maj=14.7km s-min=16.1km az=-1.0.
SJA Error ellipse: s-maj=1.3km s-min=2.0km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=5.2km az=192.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=21.3km s-min=8.2km az=73.0.
ISC II 11 05 54 06.6–1.1 31.84S–.05 69.9W–.20 146–11 21 1-151
SJA II 11 05 54 03.6–.70 31.79S 69.56W 130–3 3.7W,3.6L **¶612085106**
GUC II 11 05 54 05.5–.60 31.87S 69.87W 144–7 3.7L,3.6L
ISC Event type ke.
SJA Error ellipse: s-maj=3.1km s-min=6.3km az=-1.0. Hypocentre not reviewed by the ISC.
GUC Error ellipse: s-maj=2.0km s-min=8.4km az=-1.0.
ISC II 11 07 15 34.4–.35 31.78S–.03 68.97W–.04 107–3 4.8b 243 0-173
SJA II 11 07 15 34.1–.70 31.79S 69.02W 114–2 4.5W,4.5L **¶610208132**
NEIC II 11 07 15 34.9–2.0 31.80S–.05 69.04W–.06 106–4 4.9b,4.5L
VAO II 11 07 15 34.7–.66 31.87S 68.82W 109 4.6b,4.5L
IDC II 11 07 15 35.2–.44 31.77S 68.88W 111–2 4.5,4.2b
GUC II 11 07 15 36.5–.64 31.78S 69.41W 142–15 4.5L,4.2b
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s196.44960°,δ19.17607°,λ-80.59734°. NP2: ϕ_s6.50530°,δ71.09142°,λ-93.25180°. Principal axes: T Plg26.0227°,Azm99.0636° ; N Plg3.0761°,Azm7.5601°; P Plg63.7686°,Azm271.2987°
SJA Error ellipse: s-maj=1.8km s-min=2.8km az=-1.0. Hypocentre not reviewed by the ISC.
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=6.5km az=134.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Error ellipse: s-maj=6.7km s-min=5.2km az=-1.0.
IDC Error ellipse: s-maj=12.0km s-min=11.1km az=39.0.
GUC Error ellipse: s-maj=1.8km s-min=8.3km az=-1.0.
ISC II 23 17 10 11.8–.66 31.73S–.03 69.86W–.05 124–6 3.6b 99 0-154
SJA II 23 17 10 09.8–.69 31.57S 69.88W 114–5 4.1L,3.8W **¶610384886**
SJA II 23 17 10 11.0–.91 31.71S 69.78W 118–4 3.9W,3.9L
NEIC II 23 17 10 11.6–.65 31.74S–.04 70.1W–.20 143–11 3.9W,3.9L
IDC II 23 17 10 12.3–2.4 31.69S 69.76W 112–18 3.7,3.3b
GUC II 23 17 10 12.0–.73 31.73S 70.06W 144–4 4.1L,3.3b
ISC Event type se.
SJA Error ellipse: s-maj=4.2km s-min=3.6km az=-1.0. Hypocentre not reviewed by the ISC.
SJA Error ellipse: s-maj=1.8km s-min=2.6km az=-1.0. Hypocentre not reviewed by the ISC.
NEIC Event type se. Error ellipse: s-maj=19.1km s-min=6.5km az=91.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=33.8km s-min=23.9km az=66.0.
GUC Error ellipse: s-maj=1.1km s-min=5.4km az=-1.0.
ISC II 23 22 10 55.0–.72 31.52S–.05 68.84W–.07 152–10 79 0-153
NEIC II 23 22 10 54.5–1.4 31.58S–.06 68.93W–.08 191–19 4.0L **¶610384902**
IDC II 23 22 10 55.1–1.5 31.57S 68.87W 101–8 4.1,4.0b
SJA II 23 22 10 56.0–1.2 31.54S 68.73W 108–5 3.7W,3.7L
GUC II 23 22 10 56.5–.68 31.57S 69.12W 168–11 4.0L,3.7L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.4km s-min=7.4km az=122.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=35.4km s-min=22.3km az=94.0.
SJA Error ellipse: s-maj=3.1km s-min=8.0km az=-1.0. Hypocentre not reviewed by the ISC.
GUC Error ellipse: s-maj=2.0km s-min=12.1km az=-1.0.
ISC II 25 14 00 32.9–.27 29.17S–.03 68.07W–.04 114–2 5.1b 878 1-173
BJI II 25 14 00 30.5–.00 28.54S 68.45W 98 5.0b **¶610241251**
SJA II 25 14 00 31.9–.69 29.19S 68.10W 123–5 4.9L,4.7W
NEIC II 25 14 00 31.7–1.5 29.18S–.05 67.97W–.08 104–4 5.2b,4.8
NEIC II 25 14 00 31.7 29.39S 67.87W 100 5.2b,4.8
NEIC II 25 14 00 31.7 29.19S 67.98W 104 5.2b,4.8
MOS II 25 14 00 31.6–1.2 29.10S 68.02W 109 5.1b,4.8
VAO II 25 14 00 32.7–.36 29.22S 68.08W 117 5.0b,4.8
IDC II 25 14 00 33.7–.33 29.21S 68.01W 114–3 4.9,4.5b
GUC II 25 14 00 34.2–.67 29.09S 68.50W 170–9 5.0L,4.5b
GCMT II 25 14 00 38.7–.40 29.06S–.02 67.98W–.04 116–4 4.8W,4.5b
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s111.34640°,δ41.03209°,λ-113.21027°. NP2: ϕ_s320.96286°,δ52.88987°,λ-71.06909°. Principal axes: T Plg6.1290°,Azm37.6232° ; N Plg14.9943°,Azm129.2713°; P Plg73.7465°,Azm286.0107°
ISC Hypocentre not reviewed by the ISC.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-1.80 $M_{\theta\theta}$0.79 $M_{\phi\phi}$1.01 $M_{r\theta}$-0.04 $M_{\theta\phi}$-0.93 $M_{\phi r}$-0.88 NP1:ϕ_s122.92000°,δ37.47000°,λ-116.43000°. NP2:ϕ_s334.98000°,δ56.99000°,λ-71.16000°. Principal axes: T 1.9490,Plg10.0000°,Azm52.0000° ; N 0.1342,Plg16.0000°,Azm144.0000°; P -2.0833,Plg71.0000°,Azm290.0000° $M_0$2.02000×10^{16}
NEIC Event type se. Moment Tensor Solution.Duration: 1s3 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.72 $M_{\theta\theta}$0.70 $M_{\phi\phi}$1.02 $M_{r\theta}$0.20 $M_{\theta\phi}$-1.35 $M_{\phi r}$-0.00 NP1:ϕ_s311.59000°,δ47.40000° ,λ-99.37000°. NP2:ϕ_s145.30000°,δ43.43000°,λ-79.96000°. Principal axes: T 2.2243,Plg2.0000°,Azm48.0000°; N -0.4799,Plg7.0000°,Azm318.0000° ; P -1.7444,Plg83.0000°,Azm154.0000° $M_0$1.98000×10^{16}
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s23,c25; s69,c82;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.72±.08 $M_{\theta\theta}$0.55±.14; $M_{\phi\phi}$1.17±.15; $M_{r\theta}$-0.62±.07; $M_{\theta\phi}$-1.54±.09; $M_{\phi r}$-0.45±.10; Best double couple: NP1:ϕ_s115.00000°,δ52.00000° ,λ-127.00000°. NP2:ϕ_s346.00000°,δ51.00000°,λ-52.00000°. Principal axes: T 2.4300,Plg1.0000°,Azm231.0000°; N -0.3000,Plg28.0000°,Azm140.0000° ; P -2.1340,Plg62.0000°,Azm322.0000° $M_0$2.28200×10^{16}
ISC II 27 12 18 38.4–.52 31.53S–.04 68.88W–.04 107–5 4.0b 76 0-153
VAO II 27 12 18 22.1–.76 32.21S 69.62W 10 4.7b **¶610385125**
SJA II 27 12 18 37.0–.78 31.63S 68.76W 111–3 3.9W,3.9L
IDC II 27 12 18 38.5–.60 31.73S 68.54W 106–3 4.0,3.8b
GUC II 27 12 18 39.3–.68 31.51S 69.48W 190–7 4.4L,3.8b
ISC Event type ke.
VAO Error ellipse: s-maj=12.7km s-min=4.5km az=-1.0.
SJA Error ellipse: s-maj=3.0km s-min=5.2km az=-1.0. Hypocentre not reviewed by the ISC.
IDC Error ellipse: s-maj=17.8km s-min=16.6km az=127.0.
GUC Error ellipse: s-maj=1.7km s-min=7.9km az=-1.0.
ISC III 06 13 35 16.4–.60 31.20S–.05 68.44W–.05 107–6 85 0-153
NEIC III 06 13 35 15.5–.86 31.25S–.08 68.6W–.20 186–22 **¶610246850**
SJA III 06 13 35 16.7–.72 31.24S 68.37W 106–2 4.0L,3.9W
IDC III 06 13 35 16.2–.65 31.28S 68.50W 100–4 3.8,3.4b
GUC III 06 13 35 17.4–.71 31.20S 68.58W 130–22 4.2L,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=23.8km s-min=11.3km az=91.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SJA Error ellipse: s-maj=1.3km s-min=1.8km az=-1.0. Hypocentre not reviewed by the ISC.
IDC Error ellipse: s-maj=23.1km s-min=13.6km az=81.0.
GUC Error ellipse: s-maj=2.8km s-min=10.7km az=-1.0.
ISC III 09 03 13 19.4–1.3 31.49S–.08 69.2W–.10 110 8 1-81
IDC III 09 03 13 19.4–2.1 31.48S 69.20W 99–14 3.7,3.4b **¶610545849**
SJA III 09 03 13 20.1–.75 31.58S 68.96W 121–4 3.6W,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=37.5km s-min=20.9km az=83.0.
SJA Error ellipse: s-maj=1.6km s-min=2.3km az=-1.0. Hypocentre not reviewed by the ISC.
ISC III 18 10 40 18.0–.89 31.38S–.07 68.7W–.10 104 3.3b 12 0-83
SJA III 18 10 40 17.6–.65 31.52S 68.73W 108–4 3.5W,3.5L **¶610546445**
IDC III 18 10 40 17.9–1.1 31.50S 68.66W 100–10 3.7,3.3b
ISC Event type ke.
SJA Error ellipse: s-maj=3.7km s-min=4.9km az=-1.0. Hypocentre not reviewed by the ISC.
IDC Error ellipse: s-maj=34.2km s-min=25.3km az=98.0.
ISC III 21 03 05 55.3–.76 31.16S–.05 69.59W–.06 116–7 42 1-153
SJA III 21 03 05 55.3–.61 31.17S 69.56W 112–3 3.7W,3.7L **¶610543372**
IDC III 21 03 05 55.6–2.2 31.26S 69.61W 114–20 3.7,3.1b
GUC III 21 03 05 55.7–.72 31.22S 69.97W 143–6 3.9L,3.1b
ISC Event type ke.
SJA Error ellipse: s-maj=1.8km s-min=2.3km az=-1.0. Hypocentre not reviewed by the ISC.
IDC Error ellipse: s-maj=36.4km s-min=27.2km az=105.0.
GUC Error ellipse: s-maj=1.8km s-min=7.5km az=-1.0.
ISC III 21 11 14 58.6–.84 31.17S–.06 68.5W–.20 100 14 0-153
SJA III 21 11 14 58.4–.42 31.24S 68.23W 111–2 4.1W,3.9L **¶610543400**
IDC III 21 11 14 59.4–.96 31.31S 68.37W 106–6 3.7,3.6b
ISC Event type ke.
SJA Error ellipse: s-maj=1.6km s-min=2.5km az=-1.0. Hypocentre not reviewed by the ISC.
IDC Error ellipse: s-maj=40.6km s-min=20.8km az=103.0.
ISC III 23 02 04 05.8–.74 30.59S–.04 68.72W–.05 112–8 3.2b 49 0-152
SJA III 23 02 04 05.5–.70 30.64S 68.75W 116–3 3.7W,3.7L **¶610543500**
IDC III 23 02 04 05.8–1.1 30.45S 68.70W 98–11 3.6,3.0b
GUC III 23 02 04 06.4–.72 30.60S 68.96W 137–8 3.9L,3.0b
ISC Event type ke.
SJA Error ellipse: s-maj=2.6km s-min=4.3km az=-1.0. Hypocentre not reviewed by the ISC.
IDC Error ellipse: s-maj=28.2km s-min=14.1km az=87.0.
GUC Error ellipse: s-maj=2.2km s-min=6.9km az=-1.0.
ISC IV 01 22 54 58.1–.55 31.31S–.04 68.25W–.05 106–5 4.4b 136 0-170
SJA IV 01 22 54 56.6–.94 31.36S 68.30W 122–3 4.0L,3.9W **¶610470148**
NEIC IV 01 22 54 58.9–2.8 31.37S–.05 68.28W–.09 106–1 4.4b,3.9W
IDC IV 01 22 54 58.8–.55 31.36S 68.20W 102–6 3.8,3.2b
GUC IV 01 22 54 59.6–.66 31.35S 68.49W 138–15 4.0L,3.2b
ISC Event type se.
SJA Error ellipse: s-maj=3.4km s-min=5.5km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=7.8km az=75.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=30.7km s-min=19.2km az=107.0.
GUC Error ellipse: s-maj=1.7km s-min=9.6km az=-1.0.
ISC IV 16 04 03 29.7–.58 31.40S–.05 68.82W–.06 108–5 4.3b 124 0-170
VAO IV 16 04 03 28.7–.32 31.56S 68.82W 111 4.1b **¶610528596**
NEIC IV 16 04 03 29.9–1.4 31.47S–.06 68.77W–.08 111–3 4.4b
IDC IV 16 04 03 30.0–.72 31.39S 68.75W 104–5 4.2,3.9b
SJA IV 16 04 03 30.0–.94 31.42S 68.85W 102–4 3.7W,3.6L
ISC Event type se.
VAO Error ellipse: s-maj=3.6km s-min=3.4km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=7.1km az=121.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=21.0km s-min=16.8km az=75.0.
SJA Error ellipse: s-maj=2.9km s-min=5.6km az=-1.0.
ISC IV 18 06 22 00.1–.81 31.61S–.08 69.02W–.05 113–6 3.1b 26 0-151
IDC IV 18 06 21 59.7–1.5 31.59S 69.06W 102–13 3.6,3.3s **¶610652969**
SJA IV 18 06 22 00.1–.78 31.56S 69.06W 106–5 3.6W,3.0L
ISC Event type ke.
IDC Error ellipse: s-maj=37.1km s-min=24.5km az=92.0.
SJA Error ellipse: s-maj=4.4km s-min=3.1km az=-1.0.
GUC IV 23 14 06 04.8–.87 31.40S 69.02W 178–10 3.8L
¶616344999
GUC Error ellipse: s-maj=2.0km s-min=10.6km az=-1.0.
ISC V 25 12 10 57.2–.56 30.28S–.05 67.18W–.05 35 4.0b 91 0-151
IDC V 25 12 10 55.8–.62 30.28S 67.32W 25–4 3.9L,3.8 **¶610685365**
SJA V 25 12 10 56.1–.96 30.30S 67.32W 30–3 4.2L,3.8W
NEIC V 25 12 10 58.3–2.6 30.19S–.06 67.21W–.08 37–21 4.5b,3.8W
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 30 22 57 05.8–.48 31.61S–.03 69.36W–.03 20–4 4.5b 99 1-153
IDC V 30 22 57 02.3–.69 31.63S 69.52W 0 4.1b,4.0 **¶610685755**
SJA V 30 22 57 05.3–1.0 31.57S 69.40W 30–8 4.3W,4.1L
NEIC V 30 22 57 07.0–1.8 31.54S–.02 69.29W–.04 24–5 4.6b,4.1L
GUC V 30 22 57 07.5–.75 31.62S 69.52W 35–4 4.3L,4.1L
ISC Event type se.
IDC Error ellipse: s-maj=16.1km s-min=11.2km az=173.0.
SJA Error ellipse: s-maj=3.6km s-min=5.5km az=-1.0.

NEIC Event type se. Error ellipse: s-maj=5.6km s-min=2.1km az=72.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=2.3km s-min=6.4km az=-1.0.
ISC VI 01 14 05 31.4–1.3 31.13S–.03 68.69W–.04 108–9 48 0-5
SJA VI 01 14 05 30.4–1.1 31.13S 68.75W 107–4 3.8W,3.5L ¶616964722
ISC Event type ke.
SJA Error ellipse: s-maj=2.2km s-min=4.2km az=-1.0.
SJA VI 05 14 59 38.0–.84 31.34S 69.06W 118–3 3.5W,3.2L ¶616964724
SJA Error ellipse: s-maj=2.7km s-min=4.5km az=-1.0.
ISC VI 06 09 09 45.9–.76 31.15S–.04 68.40W–.04 103–6 55 0-153
SJA VI 06 09 09 45.5–.93 31.15S 68.46W 103–3 3.6W,3.6L ¶610791339
IDC VI 06 09 09 45.4–3.3 31.21S 68.28W 94–30 3.5,3.3b
ISC Event type ke.
SJA Error ellipse: s-maj=2.8km s-min=3.4km az=-1.0.
IDC Error ellipse: s-maj=46.5km s-min=23.4km az=95.0.
SJA VI 21 02 38 41.2–.67 31.21S 68.31W 104–2 3.6W,3.5L ¶616964745
SJA Error ellipse: s-maj=1.5km s-min=2.2km az=-1.0.
ISC VI 23 13 10 07.7–1.3 31.12S–.03 68.36W–.03 107–7 76 0-5
SJA VI 23 13 10 06.9–1.0 31.12S 68.36W 104–3 3.5W,3.4L ¶616964747
ISC Event type ke.
SJA Error ellipse: s-maj=1.8km s-min=2.0km az=-1.0.
ISC VI 26 06 03 49.2–.65 31.82S–.05 69.09W–.04 112–6 4.2b 95 0-153
SJA VI 26 06 03 48.4–.74 31.86S 69.10W 114–3 3.7W,3.6L ¶610789485
IDC VI 26 06 03 49.5–1.1 31.84S 68.90W 114–10 3.4,3.2b
NEIC VI 26 06 03 49.5–1.9 31.90S–.04 69.06W–.05 110–6 4.2b,3.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 28 04 39 45.4–.73 31.13S–.06 68.34W–.09 106–6 28 0-153
IDC VI 28 04 39 44.9–.99 31.10S 68.45W 96–6 3.9,3.6b ¶610789616
SJA VI 28 04 39 47.5–.80 31.29S 68.45W 91–3 3.8W,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=39.3km s-min=15.0km az=93.0.
SJA Error ellipse: s-maj=3.3km s-min=5.0km az=-1.0.
ISC VI 29 06 51 33.5–.82 31.37S–.03 69.89W–.04 129–6 102 1-59
GUC VI 29 06 51 33.7–.91 31.37S 70.21W 158–5 4.1L ¶611189219
SJA VI 29 06 51 33.5–.96 31.36S 69.85W 120–5 3.7W,3.5L
NEIC VI 29 06 51 33.9–2.0 31.39S–.05 69.89W–.07 126–8 4.1L,3.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 30 02 07 50.9–.94 31.74S–.05 69.13W–.07 117–7 23 0-151
IDC VI 30 02 07 32.8–3.2 32.68S 69.41W 0 3.9L,3.6 ¶610789747
SJA VI 30 02 07 49.9–.87 31.74S 69.17W 117–4 3.7W,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=119.0km s-min=43.8km az=9.0.
SJA Error ellipse: s-maj=2.5km s-min=5.1km az=-1.0.

(138) La Rioja Province.

ISC I 02 01 07 14.7–.66 28.02S–.03 68.36W–.03 112–7 4.1b 223 1-171
VAO I 02 01 07 10.7–2.4 27.99S 68.45W 21–16 4.1b ¶609949343
SJA I 02 01 07 13.3–.68 28.03S 68.35W 135–5 4.1L,4.0W
IDC I 02 01 07 13.7–3.5 28.13S 68.40W 87–31 3.8,3.8b
NEIC I 02 01 07 14.1–2.8 28.08S–.06 68.5W–.10 146–16 4.3b,4.1L
GUC I 02 01 07 16.6–.93 27.99S 68.61W 130–10 4.1L,4.1L
ISC Event type se.
VAO Error ellipse: s-maj=5.6km s-min=7.3km az=-1.0.
SJA Error ellipse: s-maj=1.6km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=55.1km s-min=29.1km az=154.0.
NEIC Event type se. Error ellipse: s-maj=13.0km s-min=8.1km az=94.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=3.8km s-min=6.8km az=-1.0.
ISC I 07 04 56 10.9–.50 28.81S–.03 67.49W–.03 137–4 4.4b 239 1-160
VAO I 07 04 55 55.5–.89 29.19S 68.01W 10 4.6b ¶610038908
SJA I 07 04 56 09.0–2.9 28.87S 67.43W 152–16 4.5L,4.2W
NEIC I 07 04 56 09.9–1.4 28.82S–.06 67.37W–.09 124–7 4.5b,4.2W
IDC I 07 04 56 12.2–.58 28.79S 67.30W 132–5 4.3,3.9b
ISC Event type se.
VAO Error ellipse: s-maj=8.6km s-min=6.5km az=-1.0.
SJA Error ellipse: s-maj=5.9km s-min=7.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=9.3km az=80.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=21.5km s-min=14.7km az=95.0.
ISC I 20 08 20 46.3–.69 28.28S–.04 68.68W–.04 110–6 4.2b 86 1-171
IDC I 20 08 20 45.2–1.3 28.24S 68.61W 90–12 3.8,3.3b ¶610102457
NEIC I 20 08 20 47.6–1.9 28.34S–.05 68.84W–.09 111–9 4.2b,3.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 04 06 44 30.6–.66 31.44S–.06 66.23W–.06 150 3.9b 55 2-148
NEIC II 04 06 44 30.9–2.0 31.46S–.08 66.20W–.02 136–10 4.1b ¶610414791
IDC II 04 06 44 30.9–1.8 31.35S 66.22W 131–22 3.8,3.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=3.1km az=175.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=36.3km s-min=18.6km az=129.0.
ISC II 05 08 55 40.2–.49 28.23S–.04 67.49W–.05 125–5 4.3b 156 0-170
SJA II 05 08 55 40.0–.74 28.27S 67.55W 141–5 4.0W,4.0L ¶610197947
NEIC II 05 08 55 40.2–1.8 28.26S–.06 67.45W–.09 123–7 4.4b,4.0L
IDC II 05 08 55 40.9–.56 28.31S 67.44W 130–5 4.0,3.7b
VAO II 05 08 55 41.0–.67 28.18S 67.38W 118 4.2b,3.7b
GUC II 05 08 55 41.1–.71 28.16S 68.18W 217–13 4.2L,3.7b
ISC Event type se.
SJA Error ellipse: s-maj=1.8km s-min=2.5km az=-1.0. Hypocentre not reviewed by the ISC.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=8.2km az=78.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=18.2km s-min=9.2km az=101.0.
VAO Error ellipse: s-maj=5.5km s-min=5.5km az=-1.0.
GUC Error ellipse: s-maj=3.0km s-min=12.3km az=-1.0.
ISC II 07 01 30 14.8–.69 28.44S–.05 68.13W–.09 150 4.0b 63 1-151
SJA II 07 01 30 14.8–.57 28.51S 67.93W 129–3 3.9L,3.8W ¶610415001
NEIC II 07 01 30 14.9–1.4 28.49S–.04 68.1W–.10 172–16 4.3b,3.8W
IDC II 07 01 30 14.8–1.2 28.45S 67.88W 99–15 4.0,3.9b
ISC Event type se.
SJA Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0. Hypocentre not reviewed by the ISC.
NEIC Event type se. Error ellipse: s-maj=15.7km s-min=6.2km az=86.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=36.4km s-min=10.5km az=89.0.
ISC II 10 08 45 05.5–.48 29.75S–.06 66.75W–.07 35 4.1b 111 0-169
SJA II 10 08 45 03.4–.70 29.82S 66.77W 22–2 4.4L,4.3W ¶610207666
NEIC II 10 08 45 05.9–1.9 29.77S–.04 66.72W–.08 34–5 4.5b,4.3W
IDC II 10 08 45 06.0–1.5 29.75S 66.58W 42–15 4.1,4.1L
VAO II 10 08 45 06.1–.34 29.80S 66.72W 38 4.4b,4.1L
ISC Event type se.
SJA Error ellipse: s-maj=1.0km s-min=1.8km az=-1.0. Hypocentre not reviewed by the ISC.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=6.2km az=80.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=21.7km s-min=10.6km az=120.0.
VAO Error ellipse: s-maj=3.3km s-min=3.1km az=-1.0.
ISC II 28 10 19 37.6–.70 29.30S–.04 67.30W–.05 112–8 4.5b 151 2-151
SJA II 28 10 19 36.6–.58 29.30S 67.30W 157–9 4.2L,4.0W ¶610241899
NEIC II 28 10 19 37.3–2.5 29.32S–.03 67.21W–.08 110–9 4.6b,4.0W
IDC II 28 10 19 38.3–1.3 29.38S 67.18W 112–12 4.1,3.9b
VAO II 28 10 19 38.7–.30 29.37S 67.36W 106 4.3b,3.9b
GUC II 28 10 19 42.1–.73 29.20S 68.10W 214–15 4.5L,3.9b
ISC Event type se.
SJA Error ellipse: s-maj=2.5km s-min=5.2km az=-1.0. Hypocentre not reviewed by the ISC.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=4.1km az=95.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=27.1km s-min=11.7km az=119.0.
VAO Error ellipse: s-maj=3.2km s-min=3.0km az=-1.0.
GUC Error ellipse: s-maj=4.0km s-min=14.3km az=-1.0.
ISC III 07 14 44 18.5–.94 28.0S–.10 67.3W–.20 135 4.0b 12 1-150
IDC III 07 14 44 15.3–3.2 28.24S 67.51W 106–26 4.0,3.8b ¶610545740
SJA III 07 14 44 16.1–.73 28.17S 67.50W 140–6 3.9L,3.8W
ISC Event type ke.
IDC Error ellipse: s-maj=35.6km s-min=20.4km az=57.0.
SJA Error ellipse: s-maj=1.9km s-min=2.4km az=-1.0. Hypocentre not reviewed by the ISC.
ISC III 10 03 48 43.0–.68 28.85S–.05 67.6W–.10 150 3.1b 40 1-170
SJA III 10 03 48 42.3–.71 28.83S 67.56W 135–3 4.1L,3.9W ¶610316849
NEIC III 10 03 48 42.9–1.6 28.87S–.07 67.7W–.20 171–20 4.1b,3.9W
IDC III 10 03 48 42.0–1.7 28.74S 67.26W 124–15 3.8,3.1b
ISC Event type se.
SJA Error ellipse: s-maj=1.5km s-min=2.0km az=-1.0. Hypocentre not reviewed by the ISC.
NEIC Event type se. Error ellipse: s-maj=21.4km s-min=10.4km az=87.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=27.8km s-min=20.1km az=96.0.
ISC IV 07 02 50 31.5–.65 28.10S–.03 68.94W–.04 106–7 4.2b 136 1-151
SJA IV 07 02 50 29.4–.61 28.10S 68.96W 124–4 4.0W,4.0L ¶610518287
IDC IV 07 02 50 30.7–1.3 28.08S 68.76W 89–11 4.1,3.8b
NEIC IV 07 02 50 31.1–1.6 28.11S–.05 68.83W–.08 104–6 4.4b,3.8b
VAO IV 07 02 50 33.1–1.1 28.21S 68.88W 118 4.1b,3.8b
ISC Event type se.
SJA Error ellipse: s-maj=1.6km s-min=1.9km az=-1.0.
IDC Error ellipse: s-maj=22.2km s-min=9.5km az=88.0.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=6.4km az=112.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Error ellipse: s-maj=8.1km s-min=9.6km az=-1.0.
ISC V 04 05 42 32.8–.66 28.79S–.04 67.26W–.06 150–8 3.9b 86 1-150
IDC V 04 05 42 32.0–2.5 28.77S 67.23W 108–21 3.8,3.6b ¶610593999
SJA V 04 05 42 33.7–.84 28.80S 67.37W 135–6 3.8L,3.7W
NEIC V 04 05 42 33.7–1.3 28.81S–.03 67.4W–.10 170–13 4.2b,3.7W
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 10 12 29 37.9–.48 28.64S–.03 67.43W–.03 131–4 4.5b 222 1-170
SJA V 10 12 29 38.8–.59 28.73S 67.45W 138–3 4.4W,4.4L ¶610623009
VAO V 10 12 29 38.3–.40 28.74S 67.43W 123 4.6b,4.4L
NEIC V 10 12 29 39.5–2.2 28.71S–.06 67.40W–.05 129–8 4.7,4.5b
IDC V 10 12 29 40.5–.56 28.60S 67.27W 131–4 4.5,4.1b
GUC V 10 12 29 41.8–.61 28.60S 67.71W 137–15 4.5L,4.1b
ISC Event type se.
SJA Error ellipse: s-maj=1.5km s-min=1.7km az=-1.0.
VAO Error ellipse: s-maj=3.4km s-min=3.6km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=4.1km az=213.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=16.5km s-min=13.2km az=70.0.
GUC Error ellipse: s-maj=2.6km s-min=6.5km az=-1.0.
ISC VI 14 20 53 20.6–1.6 28.94S–.03 68.07W–.03 13–11 45 1-151
IDC VI 14 20 53 17.8–1.0 28.96S 68.16W 0 4.4s,3.9b ¶610791892
SJA VI 14 20 53 20.5–.30 29.06S 68.15W 13 3.9L,3.8W
ISC Event type ke.
IDC Error ellipse: s-maj=28.6km s-min=17.9km az=91.0.
SJA Error ellipse: s-maj=1.7km s-min=2.0km az=-1.0.
SJA VI 30 06 47 41.5–.59 28.73S 68.52W 107–2 3.5W,3.4L ¶616964750
SJA Error ellipse: s-maj=1.7km s-min=2.2km az=-1.0.

(139) Mendoza Province.

ISC I 12 17 34 03.3–1.0 32.73S–.05 69.16W–.09 142–8 40 1-152
GUC I 12 17 34 03.0–.79 32.75S 69.41W 164–6 3.9L ¶610237252
IDC I 12 17 34 04.6–5.0 32.92S 69.09W 150–49 3.9,3.8b
ISC Event type ke.
GUC Error ellipse: s-maj=2.0km s-min=7.6km az=-1.0.
IDC Error ellipse: s-maj=58.8km s-min=41.0km az=32.0.
ISC I 21 09 30 37.2–.63 33.77S–.02 68.65W–.02 17–4 4.8b,3.8s 329 1-173
IDC I 21 09 30 34.0–.62 33.78S 68.76W 0 4.7L,4.5 ¶610104777
SJA I 21 09 30 35.7–.76 33.84S 68.53W 21–2 5.1L,4.8W
VAO I 21 09 30 37.0–.22 33.69S 68.57W 10 4.7b,4.8W
GUC I 21 09 30 37.0–.74 33.84S 68.59W 13–11 4.8L,4.8W
NEIC I 21 09 30 38.6–1.8 33.80S–.05 68.63W–.04 22–4 4.8b,4.5
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s53.59131°,δ73.59867°,λ-142.52322°. NP2: ϕ_s311.37622°,δ54.29015°,λ-20.34950°. Principal axes: T Plg12.3019°,Azm178.6453° ; N Plg49.5795°,Azm73.8097°; P Plg37.7622°,Azm278.3705°
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-0.40 $M_{\theta\theta}$5.05 $M_{\phi\phi}$-4.66 $M_{r\theta}$-1.77 $M_{\theta\phi}$-4.52 $M_{\phi r}$-2.78 NP1:ϕ_s333.87000°,δ69.48000°,λ-13.27000°. NP2:ϕ_s68.59000°,δ77.59000°,λ-158.97000°. Principal axes: T 6.8910,Plg6.0000°,Azm200.0000°; N 0.9553,Plg66.0000°,Azm98.0000°; P -7.8463,Plg24.0000°,Azm293.0000° $M_0$7.41000×10^{15}
ISC I 24 17 37 12.7–1.1 32.03S–.02 67.65W–.02 13–7 4.0b 220 1-153
NEIC I 24 17 37 13.4–2.3 32.10S–.05 67.49W–.06 10–1 4.3b ¶610114202
SJA I 24 17 37 13.9–.67 32.09S 67.65W 14–2 4.3L,4.2W
VAO I 24 17 37 15.3–1.9 31.85S 67.63W 28–19 4.5b,4.2W
IDC I 24 17 37 15.1–2.0 32.01S 67.69W 35–16 4.2L,3.9
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.7km s-min=6.8km az=36.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SJA Error ellipse: s-maj=1.5km s-min=1.9km az=-1.0.
VAO Error ellipse: s-maj=5.3km s-min=5.2km az=-1.0.
IDC Error ellipse: s-maj=23.0km s-min=22.0km az=100.0.
ISC I 25 16 40 29.5–.49 32.21S–.03 68.40W–.03 131–4 4.2b 254 1-170
SJA I 25 16 40 28.9–.72 32.21S 68.40W 133–2 4.1L,3.9W ¶610121975
NEIC I 25 16 40 29.4–2.2 32.30S–.05 68.32W–.08 125–5 4.3b,3.9W
IDC I 25 16 40 29.7–.71 32.21S 68.47W 123–4 3.9,3.7b
ISC Event type se.
SJA Error ellipse: s-maj=1.4km s-min=1.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=7.4km az=100.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=25.2km s-min=17.8km az=101.0.
ISC III 06 17 59 07.3–.76 32.3S–.10 67.7W–.20 100 3.4b 15 1-153
SJA III 06 17 59 08.1–.89 32.11S 68.36W 128–3 3.7W,3.6L ¶610545679
IDC III 06 17 59 08.6–.76 32.11S 68.27W 118–4 3.6,3.3b
ISC Event type ke.
SJA Error ellipse: s-maj=1.8km s-min=2.9km az=-1.0. Hypocentre not reviewed by the ISC.
IDC Error ellipse: s-maj=39.5km s-min=19.5km az=97.0.
ISC IV 05 10 50 33.0–.60 35.90S–.06 69.63W–.09 200 4.4b 50 1-156
NEIC IV 05 10 50 33.7–1.2 35.92S–.05 69.7W–.10 213–9 4.2b ¶610652002
IDC IV 05 10 50 34.4–2.3 36.01S 69.73W 209–29 3.5
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.9km s-min=7.0km az=101.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=116.7km s-min=22.2km az=94.0.
ISC IV 23 10 40 59.7–1.2 33.19S–.04 68.10W–.03 7–9 4.3b,3.6s 85 2-152
IDC IV 23 10 40 58.1–.75 33.20S 67.87W 0 4.1b,3.9 ¶610649809
SJA IV 23 10 41 00.0–.40 33.16S 68.17W 10–23 3.6L,3.0W

VAO IV 23 10 41 00.9–.42 33.31S 67.85W 10 4.3b,3.0W
NEIC IV 23 10 41 04.8–2.3 33.29S–.07 67.92W–.08 33–7 4.5b,3.0W
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 18 23 45 42.9–.31 32.62S–.03 67.29W–.04 170–2 5.0b 1197 1-177
VAO V 18 23 45 41.5–.49 32.65S 67.23W 147–4 4.8b **¶610643008**
MOS V 18 23 45 41.5–1.1 32.62S 67.25W 170 5.0b
SJA V 18 23 45 42.1–.65 32.66S 67.31W 178–4 4.9W,4.9L
NEIC V 18 23 45 42.6–1.4 32.65S–.05 67.29W–.08 166–5 5.0b,4.9L
IDC V 18 23 45 42.8–.50 32.63S 67.25W 167–4 4.9,4.4b
GCMT V 18 23 45 46.6–.40 32.78S–.03 67.30W–.04 182–3 4.9W,4.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s21,c24; s79,c90;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr-2.54±.14 Mθθ-0.14±.23; Mφφ2.69±.24; Mrθ-1.66±.11; Mθφ-0.18±.26; Mφr-0.76±.14; Best double couple: NP1:φs23.00000°,δ59.00000°,λ-59.00000°. NP2:φs154.00000°,δ43.00000°,λ-130.00000°. Principal axes: T 2.8010,Plg9.0000° ,Azm91.0000°; N 0.6910,Plg26.0000°,Azm186.0000°; P -3.4830,Plg62.0000°,Azm345.0000° M0 3.14200×10^{16}
SJA V 23 23 29 45.4–.90 32.44S 69.58W 139–5 3.6W,3.5L ¶616717739
SJA Error ellipse: s-maj=4.0km s-min=4.2km az=-1.0.
SJA VI 09 15 06 24.8–.75 33.27S 68.15W 14 3.5W,3.3L ¶616964731
SJA Error ellipse: s-maj=2.4km s-min=2.5km az=-1.0.

SEISMIC REGION 9.
Extreme South America.

(143) Off coast of southern Chile.
ISC II 11 07 31 47.7–.89 44.75S–.08 80.4W–.10 10 4.1b,3.5s 44 5-162
NEIC II 11 07 31 47.2–1.4 44.62S–.09 80.5W–.20 10–2 4.5b,3.5s **¶610208133**
IDC II 11 07 31 47.5–1.3 45.12S 80.05W 0 4.1,4.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=25.0km s-min=13.8km az=281.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=35.2km s-min=21.3km az=110.0.
ISC II 28 17 35 40.2–.40 44.83S–.06 81.00W–.05 10 4.9b,4.9s 223 6-175
IDC II 28 17 35 37.0–.71 45.06S 81.14W 0 4.7s,4.7L **¶610242067**
GUC II 28 17 35 37.0–3.0 45.41S 81.11W 48–658 4.7s,4.7L
NEIC II 28 17 35 40.5 44.78S 80.90W 12 4.7s,4.7L
NEIC II 28 17 35 40.5 44.88S 81.46W 12 4.7s,4.7L
NEIC II 28 17 35 40.5 44.77S 80.89W 10 4.7s,4.7L
NEIC II 28 17 35 40.4–1.6 44.79S–.06 80.9W–.10 10–1 5.6,5.6
GCMT II 28 17 35 42.4–.10 44.98S–.01 81.33W–.01 21–0 5.6W,5.6
ISC Event type se.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 3s3 Moment tensor: Scale 10^{17}Nm; Mrr-0.27 Mθθ1.33 Mφφ-1.06 Mrθ-1.25 Mθφ-2.29 Mφr0.14 NP1:φs256.20000°,δ86.86000° ,λ156.24000°. NP2:φs347.58000°,δ66.28000°,λ3.43000°. Principal axes: T 3.1112,Plg19.0000°,Azm209.0000°; N -0.5249,Plg66.0000°,Azm69.0000° ; P -2.5863,Plg14.0000°,Azm304.0000° M0 2.85000×10^{17}
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; Mrr0.04 Mθθ1.26 Mφφ-1.30 Mrθ0.12 Mθφ-2.25 Mφr0.64 NP1:φs255.81000°,δ77.66000°,λ-174.69000°. NP2:φs164.67000°,δ84.81000° ,λ-12.39000°. Principal axes: T 2.5906,Plg5.0000°,Azm211.0000°; N 0.1542,Plg77.0000° ,Azm322.0000°; P -2.7449,Plg12.0000°,Azm120.0000° M0 2.67000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s123,c211; s152,c291;Duration: 1s5 Moment tensor: Scale 10^{17}Nm; Mrr-0.16±.04 Mθθ1.09±.04; Mφφ-0.93±.04; Mrθ0.45±.07; Mθφ-2.85±.03; Mφr-0.07±.07; Best double couple: NP1:φs80.00000°,δ88.00000°,λ172.00000°. NP2:φs170.00000°,δ82.00000°,λ2.00000°. Principal axes: T 3.1550,Plg7.0000°,Azm35.0000° ; N -0.1950,Plg82.0000°,Azm246.0000°; P -2.9590,Plg4.0000°,Azm126.0000° M0 3.05700×10^{17}
ISC IV 21 12 13 13.8–.76 48.22S–.07 76.17W–.09 10 4.2b 46 2-168
IDC IV 21 12 13 10.2–1.6 48.52S 75.26W 0 4.0b,3.9 **¶610546877**
GUC IV 21 12 13 12.6–.48 48.16S 76.30W 10–29 4.7L,3.9
NEIC IV 21 12 13 15.5–1.6 48.25S–.06 75.8W–.20 15–5 4.6L,4.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 30 12 29 55.8–.98 48.24S–.05 76.2W–.10 35 4.3b 27 2-66
GUC IV 30 12 29 51.9–.33 48.13S 76.15W 25–16 4.4L **¶611149760**
NEIC IV 30 12 29 52.2–1.9 48.38S–.07 76.5W–.20 15–6 4.4L,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 03 11 51 12.5–1.0 40.09S–.07 75.02W–.08 25 3.4b 26 1-74
IDC V 03 11 51 10.5–2.2 39.98S 74.95W 0 3.6L,3.5s **¶610689476**
GUC V 03 11 51 13.3–.73 40.18S 74.82W 17–10 3.4L,3.5s
ISC Event type ke.
IDC Error ellipse: s-maj=41.7km s-min=27.9km az=42.0.
GUC Error ellipse: s-maj=3.2km s-min=5.6km az=-1.0.
NEIC V 06 02 10 31.1–1.5 44.12S–.08 78.0W–.20 10–2 4.2b ¶611150091
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 06 14 51 40.4–.45 44.31S–.06 78.31W–.07 10 4.7s,4.6b 105 4-175
IDC V 06 14 51 39.0–.72 44.44S 78.43W 0 4.7s,4.4L **¶610617754**
GUC V 06 14 51 39.4–2.3 44.57S 78.17W 10 4.4L,4.4L
NEIC V 06 14 51 40.8 44.34S 78.24W 12 4.4L,4.4L
NEIC V 06 14 51 40.8–2.3 44.30S–.07 78.2W–.20 10–1 5.4,5.3
NEIC V 06 14 51 40.8 44.44S 78.80W 12 5.4,5.3
NEIC V 06 14 51 40.5 44.35S 78.24W 10 5.4,5.3
GCMT V 06 14 51 42.8–.10 44.52S–.01 78.83W–.01 14–0 5.3W,5.3
ISC Event type se.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; Mrr3.72 Mθθ4.56 Mφφ-8.28 Mrθ1.06 Mθφ-6.86 Mφr-0.15 NP1:φs67.47000°,δ80.80000°,λ169.08000°. NP2:φs159.24000°,δ79.22000° ,λ9.37000°. Principal axes: T 7.7959,Plg14.0000°,Azm23.0000°; N 3.4630,Plg76.0000° ,Azm208.0000°; P -11.2589,Plg1.0000°,Azm113.0000° M0 9.99000×10^{16}
NEIC Event type se. Moment Tensor Solution.Duration: 2s5 Moment tensor: Scale 10^{17}Nm; Mrr-0.07 Mθθ0.50 Mφφ-0.43 Mrθ-0.45 Mθφ-1.21 Mφr-0.46 NP1:φs81.55000°,δ77.26000° ,λ-159.46000°. NP2:φs346.83000°,δ69.99000°,λ-13.57000°. Principal axes: T 1.3442,Plg5.0000°,Azm213.0000°; N 0.1967,Plg66.0000°,Azm112.0000° ; P -1.5408,Plg23.0000°,Azm305.0000° M0 1.44000×10^{17}
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s103,c163; s141,c262;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; Mrr-0.00±.02 Mθθ0.59±.02; Mφφ-0.58±.02; Mrθ0.15±.04; Mθφ-1.15±.02; Mφr-0.38±.05; Best double couple: NP1:φs167.00000°,δ88.00000°,λ17.00000°. NP2:φs76.00000°,δ73.00000°,λ178.00000°. Principal axes: T 1.3690,Plg13.0000° ,Azm33.0000°; N -0.0330,Plg73.0000°,Azm173.0000°; P -1.3370,Plg11.0000° ,Azm300.0000° M0 1.35300×10^{17}
ISC V 06 14 55 53.3–.79 44.41S–.07 78.5W–.20 35 4.3b 61 4-166
NEIC V 06 14 55 48.4–2.8 44.44S–.08 78.7W–.20 10–2 4.5b **¶610689670**
IDC V 06 14 55 49.4–.95 44.43S 78.55W 0 4.1,4.1L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=26.0km s-min=12.5km az=275.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=36.1km s-min=18.9km az=110.0.
ISC V 27 07 38 41.4–.43 45.70S–.04 75.68W–.06 10 4.9b,4.8s 159 2-173
GUC V 27 07 38 39.3–.29 45.78S 76.16W 33–10 4.8L,4.8s **¶610654892**
NEIC V 27 07 38 40.7 45.74S 75.74W 10 4.8L,4.8s
IDC V 27 07 38 41.0–.63 45.75S 75.64W 0 4.7s,4.3
NEIC V 27 07 38 41.0–2.3 45.74S–.06 75.63W–.08 10–1 5.1,5.0
GCMT V 27 07 38 41.9–.10 45.88S–.01 76.26W–.01 15–0 5.3W,5.0
SJA V 27 07 39 57.7–1.7 45.72S 75.70W 10–999 5.3W,5.0
ISC Event type se.
GUC Error ellipse: s-maj=1.9km s-min=7.7km az=-1.0.
NEIC Event type se.
IDC Error ellipse: s-maj=29.6km s-min=15.3km az=95.0.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=8.5km az=147.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; Mrr-3.94 Mθθ3.11 Mφφ0.83 Mrθ-0.84 Mθφ-3.64 Mφr-2.68 NP1:φs335.50000°,δ59.09000°,λ-50.00000°. NP2:φs96.97000°,δ48.91000° ,λ-137.03000°. Principal axes: T 5.8838,Plg6.0000°,Azm38.0000°; N -0.0801,Plg33.0000° ,Azm132.0000°; P -5.8037,Plg56.0000°,Azm300.0000° M0 5.84000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s80,c116; s146,c252;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; Mrr-0.13±.02 Mθθ0.47±.02; Mφφ-0.33±.02; Mrθ0.17±.03; Mθφ-0.73±.01; Mφr-0.48±.05; Best double couple: NP1:φs344.00000°,δ86.00000°,λ-32.00000°. NP2:φs76.00000°,δ58.00000°,λ-176.00000°. Principal axes: T 1.0410,Plg19.0000° ,Azm34.0000°; N -0.1140,Plg58.0000°,Azm158.0000°; P -0.9270,Plg25.0000° ,Azm295.0000° M0 0.98400×10^{17}
SJA Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
ISC VI 13 21 30 30.7–2.4 42.45S–.04 75.43W–.06 15–14 4.6b 119 1-164
VAO VI 13 21 30 28.0–.55 42.60S 75.78W 5 4.6b **¶610673000**
IDC VI 13 21 30 28.4–.66 42.51S 75.45W 0 4.3,4.3b
NEIC VI 13 21 30 29.0–1.9 42.50S–.04 75.43W–.10 3–4 4.7b,4.3
GUC VI 13 21 30 29.5–.70 42.51S 75.62W 25 4.3L,4.3
NEIC VI 13 21 30 29.1 42.50S 75.42W 4 4.3L,4.3
ISC Event type se.
VAO Error ellipse: s-maj=8.7km s-min=8.7km az=-1.0.
IDC Error ellipse: s-maj=25.2km s-min=15.9km az=102.0.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=6.2km az=84.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; Mrr-3.01 Mθθ0.39 Mφφ2.62 Mrθ0.80 Mθφ0.89 Mφr-0.08 NP1:φs212.33000°,δ48.33000°,λ-72.02000°. NP2:φs6.30000°,δ44.73000° ,λ-109.13000°. Principal axes: T 2.9381,Plg2.0000°,Azm290.0000°; N 0.2674,Plg13.0000° ,Azm20.0000°; P -3.2055,Plg77.0000°,Azm192.0000° M0 3.08000×10^{15}
GUC Error ellipse: s-maj=2.6km s-min=5.2km az=-1.0.
NEIC Event type se.
IDC VI 30 04 23 50.2–4.9 40.25S 74.23W 0 4.3b,3.8 ¶610789753
IDC Error ellipse: s-maj=63.6km s-min=27.0km az=38.0.

(144) Southern Chile.
ISC I 01 04 13 11.5–1.8 43.26S–.05 74.37W–.09 29–11 4.0b 47 1-163
IDC I 01 04 13 06.8–1.4 43.44S 74.28W 0 4.0b,3.9 **¶610236351**
GUC I 01 04 13 10.6–.55 43.31S 74.48W 12–10 4.1L,3.9
NEIC I 01 04 13 10.7–.49 43.28S–.05 74.4W–.10 22–12 4.1L,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 01 05 08 48.3–2.4 43.58S–.04 74.4W–.10 24–14 3.1s 19 1-89
IDC I 01 05 08 40.0–3.9 43.39S 75.55W 0 3.9b,3.8 **¶610236354**
GUC I 01 05 08 48.7–.63 43.65S 74.37W 20–4 4.0L,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=151.2km s-min=52.5km az=136.0.
GUC Error ellipse: s-maj=1.6km s-min=7.5km az=-1.0.
ISC I 01 17 47 00.8–1.9 43.54S–.03 74.49W–.08 13–10 4.1b,3.5s 60 1-163
IDC I 01 17 46 59.8–1.2 43.69S 74.16W 0 4.0,4.0b **¶610236403**
NEIC I 01 17 47 02.5–2.7 43.45S–.05 74.5W–.10 19–5 4.2b,4.0L
GUC I 01 17 47 06.0–.72 43.47S 74.20W 19–4 4.0L,4.0L
ISC Event type se.
IDC Error ellipse: s-maj=40.6km s-min=21.3km az=133.0.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=6.9km az=88.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=1.6km s-min=5.5km az=-1.0.
ISC I 03 21 19 08.3–1.3 43.33S–.04 74.36W–.04 18–7 5.4b,5.1s 878 1-175
IDC I 03 21 19 05.7–.39 43.38S 74.21W 0 5.3s,5.2 **¶610570390**
MOS I 03 21 19 06.4–.93 43.26S 74.39W 10 5.3b,5.2
NEIC I 03 21 19 07.5–1.9 43.35S–.04 74.50W–.06 10–1 5.5,5.5
VAO I 03 21 19 07.4–.44 43.38S 74.16W 10 5.3b,5.5
GUC I 03 21 19 08.5–.63 43.41S 74.56W 38–2 5.7L,5.5
GCMT I 03 21 19 11.5–.20 43.33S–.01 74.63W–.02 24–0 5.4W,5.5
NEIC I 03 21 19 17.2 43.33S 74.43W 14 5.4W,5.5
ISC Event type se.
IDC Error ellipse: s-maj=16.7km s-min=10.9km az=88.0.
MOS Error ellipse: s-maj=14.5km s-min=7.6km az=86.9.
NEIC Event type se. Error ellipse: s-maj=6.6km s-min=4.3km az=128.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; Mrr0.47 Mθθ0.07 Mφφ-0.54 Mrθ0.22 Mθφ0.10 Mφr-1.15 NP1:φs352.71000°,δ11.84000°,λ93.39000°. NP2:φs169.24000°,δ78.18000° ,λ89.29000°. Principal axes: T 1.2379,Plg57.0000°,Azm78.0000°; N 0.0887,Plg1.0000° ,Azm169.0000°; P -1.3266,Plg33.0000°,Azm260.0000° M0 1.28000×10^{17}
VAO Error ellipse: s-maj=5.0km s-min=6.0km az=-1.0.
GUC Error ellipse: s-maj=2.5km s-min=5.0km az=-1.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s83,c136; s64,c100;Duration: 1s3 Moment tensor: Scale 10^{17}Nm; Mrr1.13±.04 Mθθ0.08±.03; Mφφ-1.21±.03; Mrθ0.11±.04; Mθφ0.63±.03; Mφr-1.26±.07; Best double couple: NP1:φs172.00000°,δ68.00000°,λ103.00000°. NP2:φs320.00000°,δ26.00000°,λ61.00000°. Principal axes: T 1.6950,Plg65.0000° ,Azm104.0000°; N 0.2550,Plg12.0000°,Azm347.0000°; P -1.9490,Plg22.0000° ,Azm252.0000° M0 1.82200×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 3s0 Moment tensor: Scale 10^{17}Nm; Mrr0.72 Mθθ0.29 Mφφ-1.00 Mrθ0.88 Mθφ0.15 Mφr-1.92 NP1:φs155.99000°,δ79.58000° ,λ80.55000°. NP2:φs18.63000°,δ14.03000°,λ131.78000°. Principal axes: T 2.2014,Plg54.0000°,Azm54.0000°; N 0.1912,Plg9.0000°,Azm158.0000° ; P -2.3926,Plg34.0000°,Azm254.0000° M0 2.30000×10^{17}
ISC I 06 23 11 37.3–1.1 43.22S–.04 74.06W–.07 32–3 4.3b,3.5s 53 0-163
IDC I 06 23 11 29.9–3.3 42.83S 75.17W 0 4.2b,4.1 **¶610521345**
NEIC I 06 23 11 34.7 43.31S 74.27W 18 4.2b,4.1
NEIC I 06 23 11 36.3–1.9 43.27S–.04 74.2W–.10 25–4 4.4b,4.2L
GUC I 06 23 11 37.0–.66 43.24S 74.11W 28–3 4.2L,4.2L
ISC Event type se.
IDC Error ellipse: s-maj=84.9km s-min=28.6km az=117.0.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=6.2km az=90.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; Mrr0.50 Mθθ0.52 Mφφ-1.02 Mrθ-0.50 Mθφ0.36 Mφr-1.59 NP1:φs308.86000°,δ24.21000°,λ23.37000°. NP2:φs197.35000°,δ80.64000° ,λ112.42000°. Principal axes: T 1.7955,Plg49.0000°,Azm132.0000°; N 0.2266,Plg22.0000° ,Azm14.0000°; P -2.0221,Plg32.0000°,Azm269.0000° M0 1.92000×10^{15}
GUC Error ellipse: s-maj=1.5km s-min=7.0km az=-1.0.
ISC I 18 13 31 44.0–.98 43.28S–.03 74.17W–.06 32–3 4.6b,4.0s 174 0-163
VAO I 18 13 31 37.0–1.5 43.88S 74.23W 10 4.8b,4.0s **¶610100843**
IDC I 18 13 31 39.3–.78 43.32S 73.93W 0 4.4,4.4b
GUC I 18 13 31 42.9–.75 43.38S 74.42W 10–3 4.9L,4.4b
NEIC I 18 13 31 44.0–2.2 43.27S–.03 74.23W–.09 26–5 4.8,4.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; Mrr1.50 Mθθ1.35 Mφφ-2.84 Mrθ-0.39 Mθφ1.08 Mφr-7.54 NP1:φs312.05000°,δ12.25000°,λ38.77000°. NP2:φs183.93000°,δ82.36000° ,λ99.61000°. Principal axes: T 7.3277,Plg52.0000°,Azm105.0000°; N 1.2303,Plg10.0000° ,Azm3.0000°; P -8.5580,Plg37.0000°,Azm265.0000° M0 8.01000×10^{15}

ISC I 22 01 25 49.6–1.6 43.19S–.04 74.21W–.08 19–4 4.1b 38 0-163
NEIC I 22 01 25 49.3–1.2 43.17S–.04 74.26W–.08 16–4 4.1b,4.0L **¶610235043**
GUC I 22 01 25 49.6–.67 43.26S 74.21W 29–4 4.0L,4.0L
IDC I 22 01 25 52.8–2.7 41.48S 75.01W 0 4.2b,4.1
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=8.8km s-min=5.4km az=113.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=4.4km s-min=6.4km az=-1.0.
IDC Error ellipse: s-maj=114.2km s-min=29.5km az=171.0.
ISC I 31 22 48 15.9–1.4 43.55S–.04 74.37W–.07 19–4 4.1b,3.2s 65 1-163
IDC I 31 22 48 12.8–1.4 43.61S 74.61W 0 3.9,3.9b **¶610235849**
NEIC I 31 22 48 15.9–1.4 43.55S–.03 74.39W–.10 19–5 4.3b,4.0L
GUC I 31 22 48 17.7–.66 43.61S 74.22W 17–4 4.0L,4.0L
ISC Event type se.
IDC Error ellipse: s-maj=40.6km s-min=22.2km az=133.0.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=4.0km az=75.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}6.59 $M_{\theta\theta}$0.97 $M_{\phi\phi}$-7.56 $M_{r\theta}$2.18 $M_{\phi\theta}$2.50 $M_{\phi r}$5.98 NP1:ϕ_s141.35000°,δ32.04000°,λ48.64000°. NP2:ϕ_s7.44000°,δ66.54000°,λ112.47000°. Principal axes: T 9.7566,Plg62.0000°,Azm312.0000°; N 0.2376,Plg21.0000°,Azm178.0000°; P -9.9943,Plg19.0000°,Azm81.0000° $M_0$9.88000×10^{14}
GUC Error ellipse: s-maj=1.8km s-min=5.9km az=-1.0.
ISC II 07 17 30 49.4–1.8 43.24S–.05 74.34W–.07 25–12 4.0b,3.7s 51 1-163
IDC II 07 17 30 43.9–2.4 43.37S 74.61W 0 3.9L,3.8s **¶610415055**
GUC II 07 17 30 48.8–.62 43.33S 74.46W 23–5 4.1L,3.8s
NEIC II 07 17 30 48.8–1.5 43.22S–.04 74.46W–.05 15–5 4.1b,3.8L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC II 12 16 24 41.2–.72 43.05S 74.33W 25–6 3.1L
¶612085167
GUC Error ellipse: s-maj=2.7km s-min=6.3km az=-1.0.
ISC II 13 15 36 55.5–2.4 43.28S–.05 74.79W–.09 2–13 3.7b 19 1-124
IDC II 13 15 36 55.4–2.8 43.15S 74.96W 0 3.6,3.6b **¶610415455**
GUC II 13 15 37 00.2–.60 43.34S 74.55W 25–6 3.9L,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=73.1km s-min=35.9km az=159.0.
GUC Error ellipse: s-maj=3.5km s-min=5.1km az=-1.0.
ISC II 24 19 07 55.7–1.5 43.15S–.04 74.49W–.06 18–5 4.1b 64 1-163
IDC II 24 19 07 50.3–2.4 43.61S 74.47W 0 4.1L,4.0 **¶610384954**
NEIC II 24 19 07 56.2–1.5 43.11S–.03 74.49W–.04 15–5 4.2b,4.1L
GUC II 24 19 07 57.8–.68 43.17S 74.35W 28–3 4.2L,4.1L
ISC Event type se.
IDC Error ellipse: s-maj=54.9km s-min=44.0km az=167.0.
NEIC Event type se. Error ellipse: s-maj=4.7km s-min=3.6km az=214.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=2.7km s-min=5.5km az=-1.0.
ISC III 02 19 11 05.1–1.6 43.26S–.04 74.19W–.07 32–10 4.0b 47 0-163
IDC III 02 19 10 55.1–3.4 43.35S 75.14W 0 4.1b,4.0 **¶610545405**
GUC III 02 19 11 02.9–.73 43.37S 74.42W 27–4 4.4L,4.0
NEIC III 02 19 11 06.5–2.1 43.23S–.03 74.1W–.10 28–8 4.5,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 06 05 26 11.9–2.3 52.64S–.07 74.24W–.07 8–14 4.5b 42 1-56
NEIC III 06 05 26 12.2–2.5 52.69S–.05 74.4W–.20 12–6 4.4b,3.8L **¶611149168**
GUC III 06 05 26 16.9–.64 52.69S 74.08W 23–6 3.8L,3.8L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.3km s-min=7.2km az=74.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=2.4km s-min=7.5km az=-1.0.
ISC III 19 22 07 48.0–3.2 43.37S–.05 74.54W–.09 2–21 17 1-163
IDC III 19 22 07 48.0–3.3 43.45S 74.35W 0 3.5L,3.4 **¶610546541**
GUC III 19 22 07 51.5–.63 43.28S 74.51W 15–6 3.6L,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=91.1km s-min=44.5km az=162.0.
GUC Error ellipse: s-maj=1.8km s-min=6.2km az=-1.0.
ISC III 26 13 32 24.9–1.8 43.30S–.04 74.21W–.08 17–10 3.9b 50 0-163
IDC III 26 13 32 21.6–5.8 42.96S 74.56W 0 3.5L,3.4 **¶610543727**
GUC III 26 13 32 21.5–.63 43.40S 74.49W 35–3 4.2L,3.4
NEIC III 26 13 32 23.7–1.8 43.42S–.04 74.21W–.07 19–6 4.3b,4.2L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 19 23 50 54.7–.78 46.17S–.06 75.62W–.08 10 3.9b,3.7s 22 2-165
IDC VI 19 23 50 53.6–.86 45.99S 75.93W 0 3.9,3.9b **¶610792220**
GUC VI 19 23 50 54.7–.63 46.20S 75.61W 22–4 3.8L,3.9b
ISC Event type ke.
IDC Error ellipse: s-maj=39.9km s-min=20.6km az=104.0.
GUC Error ellipse: s-maj=2.7km s-min=5.4km az=-1.0.
ISC VI 25 22 08 27.4–.34 42.31S–.03 72.26W–.03 10 5.0b,4.6s 226 0-177
GUC VI 25 22 08 26.2–.81 42.28S 72.12W 8–5 4.4L,4.6s **¶611189156**
IDC VI 25 22 08 26.5–.67 42.30S 71.73W 0 4.6b,4.5s
VAO VI 25 22 08 27.6–.37 42.38S 72.42W 19 4.8b,4.5s
NEIC VI 25 22 08 27.6 42.31S 72.31W 10 4.8b,4.5s
NEIC VI 25 22 08 28.0–1.4 42.30S–.05 72.28W–.09 12–4 5.0b,4.9
GCMT VI 25 22 08 43.0–.40 42.09S–.02 71.66W–.03 12 5.2W,4.9
ISC Event type se.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-2.36 $M_{\theta\theta}$0.93 $M_{\phi\phi}$1.42 $M_{r\theta}$1.15 $M_{\phi\theta}$1.19 $M_{\phi r}$-0.31 NP1:ϕ_s240.01000°,δ54.76000°,λ-64.27000°. NP2:ϕ_s20.14000°,δ42.63000°,λ-121.58000°. Principal axes: T 2.4494,Plg6.0000°,Azm312.0000°; N 0.3793,Plg21.0000°,Azm44.0000°; P -2.8286,Plg68.0000°,Azm206.0000° $M_0$2.66000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s42,c51; s95,c129;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.63±.11 $M_{\theta\theta}$-0.55±.09; $M_{\phi\phi}$-3.08±.12; $M_{r\theta}$-4.04±.32; $M_{\phi\theta}$1.14±.08; $M_{\phi r}$4.65±.32; Best double couple: NP1:ϕ_s322.00000°,δ75.00000°,λ82.00000°. NP2:ϕ_s172.00000°,δ17.00000°,λ118.00000°. Principal axes: T 7.3190,Plg59.0000°,Azm221.0000°; N -0.4090,Plg8.0000°,Azm324.0000°; P -6.9070,Plg30.0000°,Azm59.0000° $M_0$7.11300×10^{16}

(145) Southern Chile-Argentina border region.

ISC III 06 02 56 23.2–.58 40.38S–.04 71.86W–.05 142–5 4.4b 182 1-160
VAO III 06 02 55 59.8–.70 41.54S 72.64W 10 4.7b **¶610245518**
NEIC III 06 02 56 22.9–2.4 40.41S–.04 71.91W–.07 144–4 4.6b,4.2L
GUC III 06 02 56 22.4–.85 40.37S 71.96W 149–4 4.2L,4.2L
IDC III 06 02 56 25.6–.94 40.25S 71.35W 145–5 4.3,3.8b
ISC Event type se.
VAO Error ellipse: s-maj=8.9km s-min=5.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=8.1km s-min=5.3km az=92.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=2.6km s-min=5.5km az=-1.0.
IDC Error ellipse: s-maj=24.7km s-min=12.0km az=88.0.
ISC IV 04 22 53 40.3–.87 37.45S–.05 71.69W–.08 111–11 3.7b 72 1-159
NEIC IV 04 22 53 39.7–1.7 37.47S–.05 71.7W–.10 121–8 4.0b,3.5L **¶610651950**
GUC IV 04 22 53 41.3–.44 37.50S 71.62W 104–11 3.5L,3.5L
IDC IV 04 22 53 44.3–2.1 37.64S 69.68W 85–29 3.9,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.6km s-min=7.2km az=102.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=1.9km s-min=5.8km az=-1.0.
IDC Error ellipse: s-maj=97.1km s-min=15.8km az=97.0.
ISC V 29 14 57 55.4–.21 37.28S–.02 71.80W–.03 95–1 5.7b 1458 1-177
NEIC V 29 14 57 53.9 37.34S 71.69W 80 5.7b **¶610655584**
NEIC V 29 14 57 53.8 37.34S 71.69W 80 5.7b
NEIC V 29 14 57 53.9–1.7 37.35S–.05 71.69W–.09 81–3 5.9,5.9
NEIC V 29 14 57 53.9 37.34S 71.69W 80 5.9,5.9
MOS V 29 14 57 54.2–1.1 37.24S 71.57W 98 5.7b,5.9
GUC V 29 14 57 54.8–.67 37.35S 71.78W 84–10 5.9L,5.9
IDC V 29 14 57 55.7–.31 37.24S 71.61W 95–2 5.4,5.1s
GCMT V 29 14 57 58.9–.20 37.38S–.01 71.87W–.01 98–1 5.9W,5.1s
ISC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 4s4 Moment tensor: Scale 10^{17}Nm; M_{rr}-3.57 $M_{\theta\theta}$1.99 $M_{\phi\phi}$1.58 $M_{r\theta}$-1.35 $M_{\phi\theta}$4.94 $M_{\phi r}$-5.20 NP1:ϕ_s17.43000°,δ72.88000°,λ-121.26000°. NP2:ϕ_s261.57000°,δ35.22000°,λ-30.69000°. Principal axes: T 8.5518,Plg22.0000°,Azm131.0000°; N -1.4564,Plg30.0000°,Azm28.0000°; P -7.0954,Plg52.0000°,Azm251.0000° $M_0$7.82000×10^{17}
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-2.36 $M_{\theta\theta}$1.11 $M_{\phi\phi}$1.25 $M_{r\theta}$-2.14 $M_{\phi\theta}$4.71 $M_{\phi r}$-5.91 NP1:ϕ_s15.46000°,δ78.62000°,λ-118.89000°. NP2:ϕ_s265.78000°,δ30.87000°,λ-22.62000°. Principal axes: T 8.9271,Plg28.0000°,Azm128.0000°; N -2.0032,Plg28.0000°,Azm22.0000°; P -6.9239,Plg48.0000°,Azm255.0000° $M_0$8.11000×10^{17}
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s79,c120; s136,c285;Duration: 2s2 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.33±.02 $M_{\theta\theta}$0.19±.02; $M_{\phi\phi}$0.13±.02; $M_{r\theta}$-0.09±.01; $M_{\phi\theta}$0.54±.01; $M_{\phi r}$-0.74±.01; Best double couple: NP1:ϕ_s12.00000°,δ78.00000°,λ-122.00000°. NP2:ϕ_s263.00000°,δ34.00000°,λ-22.00000°. Principal axes: T 0.9920,Plg26.0000°,Azm127.0000°; N -0.0530,Plg31.0000°,Azm19.0000°; P -0.9380,Plg47.0000°,Azm249.0000° $M_0$0.96500×10^{18}
ISC VI 23 10 00 52.1–.27 39.36S–.03 71.85W–.04 118–2 5.0b 1143 0-177
SJA VI 23 10 00 50.6–.57 39.42S 71.75W 149–16 4.9W,4.7L **¶610760991**
NEIC VI 23 10 00 51.8 39.44S 71.97W 110 4.9W,4.7L
BJI VI 23 10 00 51.0–.00 39.40S 71.80W 110 5.0b,4.7L
MOS VI 23 10 00 51.2–1.0 39.32S 71.68W 118 5.1b,4.7L
NEIC VI 23 10 00 51.8 39.34S 71.81W 115 5.1b,4.7L
NEIC VI 23 10 00 51.8 39.34S 71.84W 110 5.1b,4.7L
GUC VI 23 10 00 52.2–.73 39.41S 71.82W 122–3 5.0L,4.7L
NEIC VI 23 10 00 52.2–1.8 39.39S–.04 71.80W–.06 115–2 5.1,5.0
VAO VI 23 10 00 52.6–.36 39.28S 71.62W 113 4.9b,5.0
IDC VI 23 10 00 52.5–.47 39.32S 71.56W 120–4 4.9,4.5b
GCMT VI 23 10 00 55.2–.20 39.47S–.02 71.87W–.03 129–1 5.0W,4.5b
ISC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 1s6 Moment tensor: Scale 10^{16}Nm; M_{rr}3.01 $M_{\theta\theta}$-4.07 $M_{\phi\phi}$1.06 $M_{r\theta}$0.61 $M_{\phi\theta}$1.10 $M_{\phi r}$0.23 NP1:ϕ_s91.38000°,δ50.24000°,λ75.87000°. NP2:ϕ_s292.87000°,δ41.80000°,λ106.35000°. Principal axes: T 3.1218,Plg78.0000°,Azm303.0000°; N 1.2192,Plg11.0000°,Azm101.0000°; P -4.3410,Plg4.0000°,Azm191.0000° $M_0$3.73000×10^{16}
NEIC Event type se.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}2.47 $M_{\theta\theta}$-3.08 $M_{\phi\phi}$0.61 $M_{r\theta}$1.53 $M_{\phi\theta}$1.11 $M_{\phi r}$-0.73 NP1:ϕ_s275.96000°,δ30.80000°,λ75.56000°. NP2:ϕ_s112.65000°,δ60.27000°,λ98.46000°. Principal axes: T 2.9498,Plg73.0000°,Azm44.0000°; N 0.8805,Plg7.0000°,Azm288.0000°; P -3.8302,Plg15.0000°,Azm196.0000° $M_0$3.47000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s67,c76; s107,c145;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.04±.10 $M_{\theta\theta}$-3.91±.12; $M_{\phi\phi}$0.87±.15; $M_{r\theta}$1.10±.09; $M_{\phi\theta}$1.04±.11; $M_{\phi r}$-1.26±.10; Best double couple: NP1:ϕ_s121.00000°,δ59.00000°,λ114.00000°. NP2:ϕ_s260.00000°,δ39.00000°,λ56.00000°. Principal axes: T 3.6640,Plg67.0000°,Azm78.0000°; N 0.7120,Plg20.0000°,Azm288.0000°; P -4.3720,Plg10.0000°,Azm194.0000° $M_0$4.01800×10^{16}

SEISMIC REGION 10.
Southern Antilles.

(148) Falkland Islands region.

ISC II 23 06 37 58.4–.53 54.04S–.06 59.25W–.06 10 4.5b 54 2-155
IDC II 23 06 37 56.9–.97 53.89S 59.19W 0 4.1,4.0b **¶610384851**
NEIC II 23 06 37 58.9–2.1 54.06S–.06 59.29W–.04 10–1 4.5b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 20 21 01 38.5–.59 54.10S–.07 59.94W–.08 10 4.4b,3.5s 31 3-155
IDC V 20 21 01 36.3–2.1 54.17S 59.13W 0 4.1,4.1b **¶610685045**
NEIC V 20 21 01 39.0–1.8 54.07S–.09 59.9W–.20 10–1 4.4b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(149) Drake Passage.

ISC I 29 17 38 51.4–1.1 58.05S–.04 64.91W–.07 23–7 5.3b,4.5s 356 3-170
IDC I 29 17 38 47.9–.45 58.05S 64.69W 0 4.9b,4.8 **¶611148908**
MOS I 29 17 38 48.4–.99 58.02S 64.65W 10 5.3b,4.8
NEIC I 29 17 38 49.8–1.9 58.04S–.06 64.9W–.20 10–1 5.4,5.4b
GUC I 29 17 38 51.1–.34 58.02S 65.46W 10 5.1L,5.4b
GCMT I 29 17 38 51.8–.20 58.13S–.01 64.73W–.02 21–0 5.3W,5.4b
NEIC I 29 17 38 53 58.04S 64.88W 26 5.3W,5.4b
BJI I 29 17 38 53.0–.00 58.00S 64.90W 10 5.2b,5.2s
ISC Event type se.
IDC Error ellipse: s-maj=24.5km s-min=11.0km az=75.0.
MOS Error ellipse: s-maj=28.8km s-min=8.9km az=91.7.
NEIC Event type se. Error ellipse: s-maj=16.3km s-min=9.8km az=252.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GUC Error ellipse: s-maj=14.5km s-min=54.1km az=-1.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s66,c94; s127,c196;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}0.49±.03 $M_{\theta\theta}$0.07±.02; $M_{\phi\phi}$-0.55±.02; $M_{r\theta}$0.66±.04; $M_{\phi\theta}$0.66±.01; $M_{\phi r}$0.54±.04; Best double couple: NP1:ϕ_s4.00000°,δ65.00000°,λ141.00000°. NP2:ϕ_s114.00000°,δ55.00000°,λ31.00000°. Principal axes: T 1.3320,Plg45.0000°,Azm325.0000°; N -0.3510,Plg44.0000°,Azm157.0000°; P -0.9810,Plg6.0000°,Azm61.0000° $M_0$1.15600×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 8s0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.64 $M_{\theta\theta}$0.28 $M_{\phi\phi}$-0.92 $M_{r\theta}$0.53 $M_{\phi\theta}$0.88 $M_{\phi r}$0.36 NP1:ϕ_s116.00000°,δ60.00000°,λ32.00000°. NP2:ϕ_s9.00000°,δ63.00000°,λ145.00000°. Principal axes: T 1.3341,Plg43.0000°,Azm331.0000°; N 0.0540,Plg47.0000°,Azm155.0000°; P -1.3881,Plg2.0000°,Azm63.0000° $M_0$1.36000×10^{17}
ISC III 30 12 54 56.4–1.0 57.9S–.10 65.7W–.10 10 4.7b 28 3-137
IDC III 30 12 54 54.5–1.4 57.91S 65.11W 0 4.2,4.2b **¶610543989**
NEIC III 30 12 55 01.4–1.4 57.5S–.10 65.51W–.08 10–2 4.7b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 05 12 31 32.9–.45 57.52S–.06 66.43W–.09 10 4.7b,3.8s 103 3-159
IDC VI 05 12 31 31.5–.67 57.56S 66.33W 0 4.5b,4.4 **¶610662500**
NEIC VI 05 12 31 33.1–1.3 57.55S–.08 66.4W–.20 10–1 4.9b,4.4
VAO VI 05 12 31 34.8–1.4 57.36S 66.28W 10 4.7b,4.4
ISC Event type se.
IDC Error ellipse: s-maj=35.9km s-min=13.3km az=79.0.
NEIC Event type se. Error ellipse: s-maj=19.5km s-min=12.4km az=253.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
VAO Error ellipse: s-maj=18.1km s-min=11.1km az=-1.0.

(150) Scotia Sea.

ISC II 04 14 08 38.1–1.1 61.2S–.30 42.1W–.30 10 4.2b,3.3s 9 11-151
IDC II 04 14 08 37.6–1.3 61.00S 41.86W 0 4.1,4.1b **¶610414823**
ISC Event type ke.
IDC Error ellipse: s-maj=62.9km s-min=23.8km az=39.0.
ISC II 15 10 55 13.4–.54 60.82S–.07 51.3W–.10 10 4.6b,3.4s 89 7-150

IDC II 15 10 55 12.0–.84 60.76S 51.16W 0 4.1,4.1b ¶610415558
NEIC II 15 10 55 13.5–.90 60.91S–.04 51.4W–.30 10–2 4.6b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 22 08 25 29.0–.31 60.84S–.05 51.20W–.06 10 5.3b,4.2s 270 7-162
IDC II 22 08 25 26.8–.53 60.90S 51.26W 0 4.8,4.8b ¶610239526
NEIC II 22 08 25 29–2.1 60.78S–.08 51.0W–.20 10–1 5.3b,4.8b
GCMT II 22 08 25 32.0–1.2 60.78S 51.03W 12 4.9W,4.8b
BJI II 22 08 25 34.5–.00 60.80S 51.40W 48 5.2b,4.8b
ISC Event type se.
IDC Error ellipse: s-maj=20.8km s-min=14.1km az=64.0.
NEIC Event type se. Error ellipse: s-maj=13.6km s-min=12.8km az=136.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s119,c179; s160,c315;Duration: 1s7 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.36±.36 $M_{\theta\theta}$0.57±.39; $M_{\phi\phi}$1.78±.48; $M_{r\theta}$-0.57±.80; $M_{\theta\phi}$0.51±.36; $M_{\phi r}$-2.08±.82; Best double couple: NP1:ϕ_s17.00000°,δ67.00000°,λ-92.00000°. NP2:ϕ_s202.00000°,δ23.00000°,λ-85.00000°. Principal axes: T 2.8560,Plg22.0000° ,Azm108.0000°; N 0.3900,Plg2.0000°,Azm18.0000°; P -3.2540,Plg67.0000°,Azm283.0000° $M_0$3.05500×10^{16}
ISC III 18 09 58 58.2–.61 60.69S–.09 48.59W–.09 10 4.4b,3.2s 27 5-149
IDC III 18 09 58 56.9–.99 60.71S 49.13W 0 4.7L,4.1 ¶610546442
NEIC III 18 09 58 58.0–1.8 60.73S–.09 48.53W–.07 10–1 4.5b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 06 00 16 09.5–.18 60.83S–.04 38.09W–.04 10 5.6b,5.5s 820 3-168
IDC V 06 00 16 07.0–.33 60.80S 37.88W 0 5.3s,5.3 ¶616639891
BJI V 06 00 16 08.2–.00 60.80S 38.00W 8 5.7s,5.6b
MOS V 06 00 16 08.3–1.4 60.73S 38.02W 11 5.7b,5.3s
NEIC V 06 00 16 09.4 60.83S 38.06W 26 5.7b,5.3s
NEIC V 06 00 16 09.6–1.8 60.83S–.06 38.0W–.10 12–1 5.9,5.8
NEIC V 06 00 16 09.3 60.81S 37.97W 10 5.9,5.8
NEIC V 06 00 16 09.4 60.83S 37.65W 26 5.9,5.8
GCMT V 06 00 16 13.7–.10 61.04S 37.81W 23–0 5.9W,5.8
ISC Event type se.
IDC Error ellipse: s-maj=14.9km s-min=10.1km az=57.0.
MOS Error ellipse: s-maj=21.0km s-min=8.2km az=101.1.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=10.9km az=79.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.70 $M_{\theta\theta}$0.07 $M_{\phi\phi}$0.63 $M_{r\theta}$1.66 $M_{\theta\phi}$6.86 $M_{\phi r}$0.67 NP1:ϕ_s88.99000°,δ87.28000°,λ13.20000°. NP2:ϕ_s358.35000°,δ76.81000° ,λ177.21000°. Principal axes: T 7.5368,Plg11.0000°,Azm314.0000°; N -0.9295,Plg77.0000° ,Azm100.0000°; P -6.6073,Plg7.0000°,Azm223.0000° $M_0$7.12000×10^{17}
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 4s3 Moment tensor: Scale 10^{17}Nm; M_{rr}-2.26 $M_{\theta\theta}$0.58 $M_{\phi\phi}$1.68 $M_{r\theta}$2.78 $M_{\theta\phi}$7.85 $M_{\phi r}$-1.04 NP1:ϕ_s264.92000°,δ76.56000° ,λ-22.92000°. NP2:ϕ_s0.53000°,δ67.75000°,λ-165.46000°. Principal axes: T 9.1119,Plg6.0000°,Azm314.0000°; N -1.0590,Plg64.0000°,Azm56.0000° ; P -8.0528,Plg26.0000°,Azm221.0000° $M_0$8.58000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s157,c327; s173,c542; Duration: 2s2 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.43±.06 $M_{\theta\theta}$0.67±.06; $M_{\phi\phi}$0.76±.06; $M_{r\theta}$2.20±.11; $M_{\theta\phi}$8.37±.06; $M_{\phi r}$1.98±.11; Best double couple: NP1:ϕ_s91.00000°,δ81.00000° ,λ12.00000°. NP2:ϕ_s359.00000°,δ78.00000°,λ171.00000°. Principal axes: T 9.8590,Plg15.0000°,Azm315.0000°; N -2.1990,Plg75.0000°,Azm128.0000° ; P -7.6600,Plg2.0000°,Azm225.0000° $M_0$8.75900×10^{17}
ISC VI 08 06 57 28.8–.57 60.17S–.09 47.24W–.08 10 4.4b 28 1-149
NEIC VI 08 06 57 28.5–1.4 60.28S–.08 47.3W–.10 10–1 4.4b ¶610791447
IDC VI 08 06 57 28.5–1.0 60.20S 46.98W 0 4.3,4.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.0km s-min=5.3km az=220.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=51.5km s-min=28.8km az=67.0.
ISC VI 20 05 08 46.6–.56 60.30S–.09 47.06W–.08 10 4.5b,3.4s 29 1-148
IDC VI 20 05 08 44.8–1.3 60.36S 47.20W 0 4.1,4.1b ¶610789140
NEIC VI 20 05 08 47.0–.76 60.32S–.09 47.07W–.05 10–1 4.6b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VI 20 06 26 12.3–2.3 60.56S 47.66W 0 3.7,3.6b
¶610789146
IDC Error ellipse: s-maj=119.1km s-min=43.2km az=24.0.

(151) South Georgia Island region.

ISC I 24 02 38 37.1–.33 55.06S–.06 31.40W–.08 10 5.0b,4.0s 276 9-166
IDC I 24 02 38 35.5–.49 55.09S 31.40W 0 4.6,4.6b ¶610105950
NEIC I 24 02 38 37.3–1.7 55.1S–.10 31.4W–.20 10–1 5.0b,4.6b
BJI I 24 02 38 39.0–.00 55.10S 31.50W 25 5.5b,4.6b
ISC Event type se.
IDC Error ellipse: s-maj=17.8km s-min=14.8km az=55.0.
NEIC Event type se. Error ellipse: s-maj=18.3km s-min=16.8km az=150.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 24 02 41 58.8–.48 54.95S–.09 31.4W–.10 10 4.6b 54 16-153
IDC I 24 02 41 57.9–.69 54.97S 31.32W 0 4.2,4.2b ¶610116948
NEIC I 24 02 41 59.2–1.4 55.0S–.20 31.4W–.20 13–5 4.7b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 29 23 28 11.8–.59 55.0S–.10 31.2W–.10 10 4.6b,3.8s 41 16-153
IDC I 29 23 28 09.9–.74 55.08S 31.32W 0 4.4,4.3b ¶610148014
NEIC I 29 23 28 12.7–1.4 55.0S–.10 31.3W–.20 10–1 4.7b,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 29 23 37 01.3–.57 55.4S–.10 32.0W–.10 10 4.9b 45 21-151
IDC I 29 23 37 00.2–2.0 55.40S 31.69W 0 4.0,3.9b ¶610235677
NEIC I 29 23 37 01.6–1.7 55.3S–.10 31.96W–.09 10–1 5.0b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 30 00 56 50.4–.46 55.09S–.09 31.34W–.10 10 4.4b,3.8s 55 16-153
IDC I 30 00 56 48.6–.69 55.11S 31.19W 0 4.1,4.1b ¶610159376
NEIC I 30 00 56 50.9–1.4 55.18S–.03 31.4W–.20 10–1 4.5b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 05 18 25 06.5–.78 55.1S–.20 31.1W–.30 10 4.0b 11 21-153
IDC II 05 18 25 05.1–.81 55.09S 31.00W 0 4.2,4.1b ¶610414902
ISC Event type ke.
IDC Error ellipse: s-maj=41.4km s-min=22.1km az=62.0.
IDC II 28 04 05 31.7–2.2 55.42S 31.14W 0 3.8,3.8b
¶610385168
IDC Error ellipse: s-maj=83.2km s-min=46.2km az=19.0.
ISC III 09 13 01 20.8–.75 55.1S–.10 32.3W–.10 10 4.3b 25 3-154
IDC III 09 13 01 19.4–.86 54.93S 31.94W 0 4.1,4.1b ¶610545881
NEIC III 09 13 01 21.9–2.1 55.3S–.10 32.5W–.20 10–2 4.5b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 30 08 12 45.9–.68 55.0S–.10 31.2W–.10 10 4.7b 36 3-153
IDC III 30 08 12 44.4–.91 54.99S 30.91W 0 4.4,4.3b ¶610543978
NEIC III 30 08 12 46.7–1.6 55.1S–.10 31.3W–.20 10–1 4.7b,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 14 11 44 40.1–.56 54.88S–.10 32.8W–.10 10 4.3b,3.8s 73 2-162
IDC IV 14 11 44 38.8–.82 54.75S 32.17W 0 3.9,3.9b ¶610652722
NEIC IV 14 11 44 42.3–2.4 55.0S–.10 33.2W–.20 10–1 4.5b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IV 28 05 38 20.4–4.2 55.56S 31.15W 0 3.9,3.9b
¶610650193
IDC Error ellipse: s-maj=146.6km s-min=56.0km az=178.0.
ISC VI 16 07 05 03.9–.74 55.51S–.10 31.0W–.10 10 4.2b 22 3-152
IDC VI 16 07 05 02.1–4.3 55.41S 30.65W 0 4.0,4.0b ¶610791983
NEIC VI 16 07 05 04.2–1.2 55.53S–.09 31.0W–.10 10–1 4.4b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VI 22 19 12 02.5–2.3 55.46S 31.48W 0 3.9,3.9b
¶610789291
IDC Error ellipse: s-maj=97.6km s-min=49.2km az=13.0.

(153) South Sandwich Islands region.

ISC I 01 02 39 16.0–1.1 55.4S–.20 28.0W–.30 26 4.1b 8 20-151
IDC I 01 02 39 12.1–1.1 55.34S 28.00W 0 4.3L,4.1 ¶610236347
ISC Event type ke.
IDC Error ellipse: s-maj=47.0km s-min=28.7km az=94.0.
ISC I 03 12 00 33.6–.60 55.3S–.10 30.5W–.10 10 4.5b,3.5s 26 4-160
IDC I 03 12 00 32.7–.79 55.27S 30.15W 0 4.1,4.0b ¶610236560
NEIC I 03 12 00 33.7–2.8 55.4S–.20 30.6W–.10 10–1 4.7b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 11 21 05 54.2–.47 60.84S–.08 26.4W–.10 10 4.7b,3.7s 51 12-153
IDC I 11 21 05 53.8–.65 60.48S 26.73W 0 4.5,4.5b ¶610064826
NEIC I 11 21 05 55.2–1.1 60.6S–.10 26.5W–.30 10–1 4.7b,4.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 13 13 14 43.4–.46 58.81S–.06 26.17W–.06 116–3 5.1b 439 14-174
IDC I 13 13 14 42.7–.52 58.71S 26.10W 109–4 4.9,4.5b ¶615092318
NEIC I 13 13 14 47.3–1.6 58.9S–.10 26.2W–.20 145–5 5.1b,4.5b
GCMT I 13 13 14 47.3–.30 59.28S–.03 25.82W–.05 110–5 5.0W,4.5b
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s184.78241°,δ86.51936°,λ-37.45229°. NP2: ϕ_s277.44504°,δ52.62863°,λ-175.61870°. Principal axes: T Plg22.7226°,Azm237.2957° ; N Plg52.4100°,Azm0.2508°; P Plg28.1725°,Azm134.3348°
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s11,c11; s73,c89;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.70±.18 $M_{\theta\theta}$2.07±.23; $M_{\phi\phi}$-1.38±.22; $M_{r\theta}$0.77±.12; $M_{\theta\phi}$-2.49±.18; $M_{\phi r}$2.03±.09; Best double couple: NP1:ϕ_s158.00000°,δ71.00000°,λ-28.00000°. NP2:ϕ_s258.00000°,δ64.00000°,λ-159.00000°. Principal axes: T 3.3940,Plg4.0000° ,Azm209.0000°; N 0.6670,Plg57.0000°,Azm306.0000°; P -4.0670,Plg33.0000° ,Azm116.0000° $M_0$3.73100×10^{16}
ISC I 14 20 49 35.7–.80 55.7S–.10 27.1W–.20 25 4.5b,3.3s 26 19-151
IDC I 14 20 49 32.2–.96 55.53S 26.94W 0 4.2,4.2b ¶610237385
NEIC I 14 20 49 35.5–.69 55.9S–.20 27.6W–.20 10–2 4.6b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 16 12 50 08.4–.91 56.6S–.10 25.6W–.20 35 4.7b 22 20-151
IDC I 16 12 50 03.7–1.1 56.26S 25.36W 0 4.3,4.3b ¶610237519
NEIC I 16 12 50 19.7–1.4 57.0S–.20 26.7W–.30 116–10 4.6b,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 17 09 21 51.5–.41 56.72S–.08 25.71W–.10 10 5.1b 252 7-158
IDC I 17 09 21 49.3–.64 56.62S 25.47W 0 4.6,4.6b ¶610098884
NEIC I 17 09 21 52.5–1.4 56.7S–.10 25.9W–.20 10–1 5.1b,4.6b
BJI I 17 09 21 58.0–.00 56.90S 25.60W 60 5.6s,5.5b
ISC Event type se.
IDC Error ellipse: s-maj=25.3km s-min=17.5km az=58.0.
NEIC Event type se. Error ellipse: s-maj=27.2km s-min=16.4km az=224.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 17 09 27 55.6–.71 57.2S–.10 26.7W–.10 10 4.7b 54 6-151
IDC I 17 09 27 52.4–.92 56.50S 25.04W 0 4.2,4.2b ¶610237585
NEIC I 17 09 27 56.6–2.2 57.3S–.10 26.7W–.10 10–1 4.7b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 17 12 18 19.8–.61 56.96S–.09 26.1W–.10 10 4.7b,4.0s 54 6-151
IDC I 17 12 18 17.9–.83 56.57S 25.24W 0 4.5b,4.4 ¶610100803
NEIC I 17 12 18 20.7–1.5 57.1S–.10 26.2W–.20 10–1 4.8b,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 17 12 21 18.7–.66 57.15S–.09 27.23W–.10 10 4.8b 59 6-151
IDC I 17 12 21 13.0–.89 56.58S 25.48W 0 4.3b,4.2 ¶610100804
NEIC I 17 12 21 20.8–1.3 57.24S–.05 27.6W–.20 10–1 4.8b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 17 13 03 57.4–.96 56.6S–.10 25.3W–.20 10 4.7b 17 22-151
NEIC I 17 13 03 54.2–.68 56.37S–.05 24.3W–.40 10–2 4.7b ¶610237599
IDC I 17 13 03 54.7–1.1 56.54S 25.22W 0 4.1,4.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=34.4km s-min=7.3km az=83.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=45.5km s-min=31.9km az=56.0.
ISC I 17 18 54 40.2–.55 57.00S–.08 26.5W–.10 50 5.0b,3.9s 75 16-151
IDC I 17 18 54 31.8–1.1 56.62S 25.39W 0 4.3,4.3b ¶610100805
NEIC I 17 18 54 46.5–1.3 57.0S–.10 26.8W–.30 98–10 4.9b,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 18 14 52 55.9–.32 57.51S–.06 25.98W–.08 50 4.9b,3.6s 280 15-155
NEIC I 18 14 52 56.8–1.2 57.5S–.10 26.0W–.20 57–7 5.0b,3.6s ¶610101944
IDC I 18 14 52 57.4–2.5 57.46S 25.95W 64–21 4.8,4.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.9km s-min=14.9km az=76.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=16.1km s-min=13.2km az=54.0.
ISC I 20 01 34 39.4–.39 58.76S–.08 25.3W–.10 10 4.8b 174 14-174
IDC I 20 01 34 37.8–.47 58.72S 25.34W 0 4.7L,4.5 ¶610104764
NEIC I 20 01 34 39.2–1.4 58.66S–.04 25.2W–.20 10–1 4.8b,4.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 20 03 19 29.0–.90 56.5S–.20 26.0W–.20 35 4.3b 12 16-151
IDC I 20 03 19 24.1–1.2 56.29S 25.73W 0 4.2,4.2b ¶610104765
ISC Event type ke.
IDC Error ellipse: s-maj=35.1km s-min=27.6km az=37.0.
ISC I 20 21 04 44.1–.68 55.4S–.10 29.7W–.10 10 4.6b,3.5s 47 17-152
IDC I 20 21 04 42.9–.80 55.33S 29.68W 0 4.1,4.1b ¶610234961
NEIC I 20 21 04 45–1.2 55.5S–.10 29.8W–.10 10–2 4.6b,4.1b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC I 21 14 09 02.3–3.1 58.63S–.08 25.1W–.10 23–21 4.6b,3.6s 172 14-156
NEIC I 21 14 09 00.8–2.1 58.5S–.10 25.0W–.20 10–1 4.6b,3.6s **¶610105029**
IDC I 21 14 09 03.2–3.4 58.59S 25.20W 28–22 5.0L,4.5
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=22.1km s-min=9.8km az=214.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=21.6km s-min=16.7km az=55.0.
ISC I 21 19 19 44.7–.65 54.27S–.10 30.1W–.10 10 4.3b 27 17-152
IDC I 21 19 19 43.2–.94 54.37S 29.95W 0 4.1,4.0b **¶610105038**
NEIC I 21 19 19 44.5–1.7 54.4S–.10 30.0W–.30 10–1 4.6b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 21 20 24 44.5–.50 58.70S–.08 24.9W–.10 28 4.1b,3.5s 34 14-153
IDC I 21 20 24 40.3–.70 58.62S 24.96W 0 4.3L,4.1 **¶610105044**
NEIC I 21 20 24 42.5–2.0 58.6S–.10 24.9W–.30 10–1 4.4b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 21 21 49 59.5–.97 58.2S–.10 24.5W–.20 10 4.5b 18 14-153
NEIC I 21 21 49 58.0–1.2 58.0S–.10 23.9W–.40 10–2 4.5b **¶610105047**
IDC I 21 21 50 00.4–1.9 58.63S 25.32W 0 4.2,4.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=43.6km s-min=8.3km az=60.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=89.1km s-min=51.9km az=9.0.
ISC I 23 03 22 37.7–.54 57.27S–.09 26.93W–.10 100 4.5b 48 10-154
IDC I 23 03 22 37.5–.87 57.23S 26.41W 96–7 4.0,3.7b **¶610114440**
NEIC I 23 03 22 38.2–1.0 57.3S–.10 27.0W–.20 99–6 4.4b,3.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 23 19 49 08.7–.42 60.35S–.09 26.0W–.10 28 4.8b,3.6s 81 13-150
IDC I 23 19 49 05.1–.59 60.28S 26.16W 0 4.4b,4.3 **¶610114447**
NEIC I 23 19 49 06.4–1.9 60.28S–.07 25.9W–.20 10–1 4.8b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 23 23 55 39.5–.75 54.7S–.20 31.0W–.20 10 4.1b 14 19-153
IDC I 23 23 55 37.6–.93 54.80S 31.01W 0 4.3,4.2b **¶610235228**
ISC Event type ke.
IDC Error ellipse: s-maj=44.7km s-min=23.7km az=60.0.
ISC I 24 03 52 00.0–.54 60.36S–.09 25.99W–.10 28 4.4b 48 13-153
IDC I 24 03 51 56.3–1.0 60.46S 26.17W 0 4.6L,4.3 **¶610116950**
NEIC I 24 03 52 01.2–2.0 60.4S–.20 26.0W–.20 35–8 4.5b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 24 11 12 38.0–.88 60.1S–.10 25.1W–.20 35 4.7b 52 13-154
IDC I 24 11 12 34.2–1.1 60.49S 26.05W 0 4.5L,4.4 **¶610116954**
NEIC I 24 11 12 37.6–1.6 60.07S–.07 25.1W–.30 32–8 4.7b,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 25 04 15 58.5–.56 58.71S–.09 25.0W–.20 28 4.3b 31 14-153
IDC I 25 04 15 54.9–.68 58.56S 24.99W 0 4.2,4.2b **¶610130063**
NEIC I 25 04 15 58.6–.81 58.9S–.20 25.1W–.20 35–2 4.4b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 25 21 47 48.1–.69 59.4S–.10 27.1W–.20 30 4.5b 24 14-152
IDC I 25 21 47 43.4–.97 59.51S 27.14W 0 4.1b,4.0 **¶610130081**
NEIC I 25 21 47 45.5–.59 59.4S–.10 26.9W–.40 10–1 4.5b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 28 13 52 59.1–1.4 56.3S–.20 26.2W–.60 10 7 16-151
IDC I 28 13 52 55.6–2.1 57.08S 24.50W 0 4.1,4.1b **¶610235561**
ISC Event type ke.
IDC Error ellipse: s-maj=118.1km s-min=74.4km az=134.0.
ISC I 29 02 50 52.2–.73 55.1S–.10 30.7W–.20 10 4.2b,3.4s 18 16-153
IDC I 29 02 50 52.3–.86 54.92S 30.63W 0 5.2L,4.2 **¶610235609**
NEIC I 29 02 50 53.5–2.3 55.9S–.20 32.3W–.10 10–2 4.4b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 07 14 26 41.5–.39 56.39S–.07 25.85W–.09 33 5.1b,4.5b 305 16-159
IDC II 07 14 26 36.4–.59 56.36S 25.72W 0 4.6b,4.5 **¶610198820**
NEIC II 07 14 26 38.7–1.3 56.4S–.10 25.9W–.20 10–1 5.1b,4.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 08 21 23 11.3–.54 57.06S–.08 25.0W–.10 22 4.6b,3.5s 43 15-152
IDC II 08 21 23 08.2–.70 57.01S 24.84W 0 4.3,4.2b **¶610205795**
NEIC II 08 21 23 09.9–1.3 57.1S–.10 25.1W–.20 10–1 4.7b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 09 17 24 18.9–.68 60.3S–.10 25.8W–.10 10 4.6b,3.4s 32 13-153
IDC II 09 17 24 17.5–.91 60.49S 26.17W 0 4.4L,4.2 **¶610207993**
NEIC II 09 17 24 19.7–.62 60.2S–.20 25.9W–.30 10–2 4.7b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 10 08 36 50.4–.71 59.4S–.10 26.3W–.10 35 3.9b 32 14-151
IDC II 10 08 36 45.1–1.2 59.26S 25.98W 0 3.8,3.8b **¶610208187**
NEIC II 10 08 36 49.6–1.8 59.4S–.10 26.2W–.20 28–5 4.5b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 11 03 59 44.7–2.5 55.3S–.40 27.9W–.70 10 3.9b 6 18-149
IDC II 11 03 59 48.1–1.1 55.76S 29.78W 0 3.8,3.8b **¶610415277**
ISC Event type ke.
IDC Error ellipse: s-maj=50.6km s-min=27.9km az=87.0.
IDC II 11 07 51 28.1–2.2 56.26S 27.99W 0 4.0,4.0b
¶610415297
IDC Error ellipse: s-maj=119.2km s-min=75.6km az=138.0.
ISC II 12 04 01 33.5–.41 56.45S–.05 26.99W–.06 76–3 5.1b 243 16-153
NEIC II 12 04 01 34.0–1.8 56.4S–.10 27.1W–.20 74–5 5.1b **¶610208501**
IDC II 12 04 01 35.2–1.3 56.28S 26.84W 85–9 5.0,4.7b
GCMT II 12 04 01 36.0–.30 56.45S–.02 26.60W–.03 71–3 5.1W,4.7b
ISC Event type se. Moment Tensor Solution. NP1:φs106.00945°,δ80.88672°,λ-17.55010°. NP2:
φs198.87709°,δ72.67849°,λ-170.44983°. Principal axes: T Plg5.6547°,Azm153.3616°
; N Plg70.2911°,Azm259.4072°; P Plg18.8157°,Azm61.4282°
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function. Moment Tensor Solution. s29,c35; s79,c102;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-0.11±.20 $M_{\theta\theta}$3.86±.22; $M_{\phi\phi}$-3.75±.20; $M_{r\theta}$-1.27±.18;
$M_{\theta\phi}$3.32±.19; $M_{\phi r}$0.90±.16; Best double couple: NP1:φs114.00000°,δ87.00000°,λ-17.00000°.
NP2:φs205.00000°,δ73.00000°,λ-177.00000°. Principal axes: T 5.2510,Plg10.0000°
,Azm161.0000°; N 0.0700,Plg73.0000°,Azm284.0000°; P -5.3200,Plg14.0000°,Azm68.0000°
$M_0$5.28500×10^{16}
IDC II 13 00 37 34.9–4.3 54.74S 30.75W 0 3.6,3.6b
¶610415408
IDC Error ellipse: s-maj=147.6km s-min=52.9km az=178.0.
ISC II 13 05 55 33.5–.62 59.65S–.09 26.6W–.10 61 4.6b 37 13-150
IDC II 13 05 55 24.7–2.1 59.81S 26.63W 0 3.9,3.9b **¶610209095**
NEIC II 13 05 55 32.3–2.0 59.37S–.08 26.8W–.20 35–2 4.7b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 15 03 05 30.7–.45 56.05S–.07 26.70W–.08 38–4 5.0b,3.9s 212 17-153
NEIC II 15 03 05 31.6–1.5 56.1S–.10 26.7W–.30 43–5 5.1b,3.9s **¶610209197**
IDC II 15 03 05 31.9–2.5 56.06S 26.68W 46–22 4.6,4.5L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=22.0km s-min=17.3km az=52.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=18.7km s-min=12.8km az=51.0.
IDC II 16 04 16 46.0–1.1 54.95S 29.79W 0 3.7,3.7b
¶610415610
IDC Error ellipse: s-maj=54.0km s-min=30.2km az=86.0.
ISC II 18 00 22 50.2–.52 56.03S–.08 27.04W–.08 63 4.7b 67 6-151
NEIC II 18 00 22 53.1–1.9 56.12S–.07 27.3W–.20 82–8 4.7b **¶610231524**
IDC II 18 00 22 55.0–6.4 56.04S 26.79W 110–57 4.3,4.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=9.9km az=97.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=29.7km s-min=17.1km az=61.0.
ISC II 19 01 37 20.1–.98 57.4S–.20 25.7W–.30 35 9 15-152
IDC II 19 01 37 12.8–2.8 57.81S 25.51W 0 3.9,3.9b **¶610236299**
ISC Event type ke.
IDC Error ellipse: s-maj=108.4km s-min=49.5km az=166.0.
IDC II 19 20 25 57.4–2.4 55.30S 30.45W 0 3.4,3.4b
¶610415840
IDC Error ellipse: s-maj=110.5km s-min=75.6km az=174.0.
ISC II 20 11 20 08.1–1.1 55.3S–.20 28.5W–.30 45 4.0b 6 47-151
IDC II 20 11 20 01.7–1.1 55.30S 28.36W 0 4.0,4.0b **¶610384682**
ISC Event type ke.
IDC Error ellipse: s-maj=49.1km s-min=33.8km az=84.0.
ISC II 22 23 25 17.1–1.1 58.0S–.20 30.5W–.40 10 8 16-98
IDC II 22 23 25 15.7–2.3 57.98S 30.30W 0 4.2L,4.0 **¶610240046**
ISC Event type ke.
IDC Error ellipse: s-maj=111.8km s-min=35.8km az=96.0.
ISC II 24 05 59 06.8–.29 55.29S–.06 30.62W–.07 10 5.2b,4.3s 367 4-166
BJI II 24 05 59 06.4–.00 55.30S 30.70W 10 5.3b,5.3s **¶610240073**
NEIC II 24 05 59 07.3–1.1 55.30S–.10 30.7W–.10 10–1 5.3b,5.3s
IDC II 24 05 59 09.3–3.1 55.27S 30.47W 26–20 4.8,4.7b
GCMT II 24 05 59 11.3–.20 55.41S–.01 30.41W–.03 12–1 5.2W,4.7b
ISC Event type se. Moment Tensor Solution. NP1:φs352.49789°,δ73.74516°,λ144.72653°. NP2:
φs93.69721°,δ56.33091°,λ19.65332°. Principal axes: T Plg36.1530°,Azm308.1373°
; N Plg51.6071°,Azm150.9082°; P Plg11.1916°,Azm46.4489°
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function. Moment Tensor Solution. s43,c47; s109,c158;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}2.78±.16 $M_{\theta\theta}$-3.16±.14; $M_{\phi\phi}$0.37±.10; $M_{r\theta}$-1.33±.33;
$M_{\theta\phi}$2.29±.09; $M_{\phi r}$5.37±.67; Best double couple: NP1:φs334.00000°,δ77.00000°,λ117.00000°.
NP2:φs87.00000°,δ29.00000°,λ27.00000°. Principal axes: T 7.0980,Plg51.0000°
,Azm274.0000°; N -0.9060,Plg26.0000°,Azm147.0000°; P -6.1930,Plg27.0000°
,Azm43.0000° $M_0$6.64600×10^{16}
ISC II 24 10 56 27.5–.71 59.9S–.10 27.0W–.10 34 4.6b 34 8-151
IDC II 24 10 56 22.2–1.2 60.10S 26.94W 0 4.4b,4.3 **¶610241205**
NEIC II 24 10 56 24.8–2.8 59.9S–.10 27.0W–.20 10–1 4.6b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 28 05 59 50.9–.84 55.4S–.10 28.1W–.20 26 4.2b 12 20-151
IDC II 28 05 59 47.0–.82 55.40S 27.98W 0 4.4L,4.2 **¶610245773**
ISC Event type ke.
IDC Error ellipse: s-maj=36.0km s-min=20.7km az=90.0.
ISC II 28 11 38 43.3–.56 56.3S–.10 27.6W–.10 112 4.3b 42 5-154
NEIC II 28 11 38 41.6–1.1 56.2S–.20 27.4W–.20 91–7 4.6b **¶610245775**
IDC II 28 11 38 45.0–9.8 56.22S 27.45W 124–84 4.3L,4.2
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=23.5km s-min=17.6km az=212.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=62.2km s-min=23.6km az=106.0.
ISC III 01 10 01 18.1–.56 55.25S–.10 30.60W–.10 10 4.5b,3.4s 40 4-153
IDC III 01 10 01 17.0–.68 55.16S 30.51W 0 4.2,4.2b **¶610545314**
NEIC III 01 10 01 22.3–1.3 55.31S–.02 30.8W–.20 34–7 4.6b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 01 22 28 58.0–.83 55.8S–.10 25.2W–.10 10 4.4b,3.7s 20 7-151
IDC III 01 22 28 56.4–1.0 55.72S 25.21W 0 4.2,4.2b **¶610545351**
NEIC III 01 22 28 59.1–1.6 56.0S–.20 25.50W–.10 10–2 4.5b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 06 13 48 27.1–.68 56.5S–.10 27.0W–.20 101 4.1b 20 6-152
NEIC III 06 13 48 29.4–1.4 56.7S–.10 27.3W–.40 121–10 4.2b **¶610545663**
IDC III 06 13 48 29.9–7.0 56.54S 27.15W 122–62 4.2,3.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=31.3km s-min=10.9km az=67.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=34.2km s-min=21.8km az=71.0.
ISC III 08 01 02 04.4–.69 57.7S–.10 23.7W–.10 10 4.2b 37 8-153
IDC III 08 01 02 02.7–1.9 57.70S 23.76W 0 4.1,4.1b **¶610312561**
NEIC III 08 01 02 05–.85 57.6S–.20 23.7W–.30 10–1 4.4b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 15 22 19 37.9–.42 55.66S–.07 27.37W–.08 10 5.0b 143 5-152
IDC III 15 22 19 36.2–.60 55.63S 27.06W 0 4.4,4.4b **¶610331381**
NEIC III 15 22 19 41.9–1.3 55.7S–.10 27.35W–.07 37–7 5.0b,4.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 16 02 42 41.0–1.5 59.5S–.20 26.1W–.50 50 12 13-150
IDC III 16 02 42 34.0–3.2 59.11S 26.03W 0 4.1b,4.0 **¶610546287**
ISC Event type ke.
IDC Error ellipse: s-maj=216.1km s-min=49.2km az=97.0.
ISC III 17 07 15 28.1–.63 59.5S–.10 24.9W–.10 10 4.5b 38 8-153
IDC III 17 07 15 26.3–.83 59.51S 25.13W 0 4.3,4.3b **¶610546363**
NEIC III 17 07 15 28.8–1.6 59.5S–.10 25.0W–.20 10–1 4.5b,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 17 14 28 16.9–.51 59.63S–.08 25.02W–.10 27 4.7b,3.7s 49 13-150
IDC III 17 14 28 13.3–.65 59.48S 25.16W 0 4.6L,4.3 **¶610345778**
NEIC III 17 14 28 14.3–1.2 59.55S–.04 25.0W–.20 10–1 4.9b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 18 00 31 01.9–.42 59.49S–.04 27.89W–.04 224–3 5.3b 988 14-179
MOS III 18 00 30 58.3–.85 59.59S 27.85W 199 5.4b **¶615092529**
BJI III 18 00 31 00.0–.00 59.60S 28.00W 209 5.2b
GCMT III 18 00 31 01.1–.20 59.72S–.02 27.47W–.03 194–2 5.1W
IDC III 18 00 31 02.2–.75 59.60S 27.93W 225–6 5.4,4.9b
NEIC III 18 00 31 03.1–1.4 59.57S–.09 28.0W–.20 227–4 5.3b,4.9b
ISC Event type se. Moment Tensor Solution. NP1:φs138.33687°,δ55.00259°,λ-111.65019°. NP2:
φs353.02365°,δ40.41328°,λ-62.21301°. Principal axes: T Plg7.6331°,Azm243.5976°
; N Plg17.5914°,Azm151.1623°; P Plg70.7235°,Azm356.1292°
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function. Moment Tensor Solution. s43,c54; s112,c143;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-3.33±.15 $M_{\theta\theta}$-1.84±.20; $M_{\phi\phi}$5.17±.17; $M_{r\theta}$-3.60±.13;

Mφφ-1.06±.17; Mφr0.83±.13; Best double couple: NP1:φs138.00000°,δ65.00000°,λ-132.00000°. NP2:φs23.00000°,δ48.00000°,λ-35.00000°. Principal axes: T 5.5750,Plg10.0000° ,Azm257.0000°; N 0.6870,Plg37.0000°,Azm159.0000°; P -6.2610,Plg51.0000° ,Azm360.0000° M0 5.91800×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 18 10 41 00.9–.96 55.1S–.10 30.9W–.10 10 4.6b 29 3-148
IDC III 18 10 40 59.2–1.3 55.07S 30.65W 0 4.2,4.2b ¶610546446
NEIC III 18 10 41 03.1–.91 55.3S–.20 31.26W–.09 10–2 4.6b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 22 11 14 26.9–.61 58.59S–.10 26.1W–.10 107 4.2b 27 7-152
IDC III 22 11 14 14.8–.93 58.31S 25.54W 0 3.9b,3.8 ¶610424668
NEIC III 22 11 14 26.1–1.6 58.57S–.10 26.2W–.20 97–7 4.5b,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 25 10 52 12.2–.54 60.5S–.10 26.5W–.10 20 4.7b,3.7s 71 8-153
IDC III 25 10 52 10.5–.73 60.40S 26.85W 0 4.5,4.5b ¶610435111
NEIC III 25 10 52 10.5–1.3 60.6S–.10 26.4W–.30 10–1 4.7b,4.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC III 27 15 06 10.1–2.1 56.18S 24.11W 0 4.8,4.8b ¶610543801
IDC Error ellipse: s-maj=92.8km s-min=44.5km az=8.0.
ISC III 29 19 37 36.1–.51 58.38S–.08 25.4W–.10 38 4.5b,3.4s 43 7-152
NEIC III 29 19 37 36.7–1.8 58.4S–.10 25.5W–.20 41–4 4.6b,3.4s ¶610458952
IDC III 29 19 37 39.0–5.7 58.34S 25.48W 61–49 4.5L,4.4
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.6km s-min=12.7km az=223.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=27.4km s-min=18.6km az=67.0.
ISC III 30 13 13 10.2–.20 55.72S–.05 27.06W–.05 25 5.4b,4.9s 603 6-176
IDC III 30 13 13 06.7–.30 55.67S 26.93W 0 5.1,5.1b ¶615092551
BJI III 30 13 13 07.1–.00 55.80S 27.20W 10 5.5b,5.3s
MOS III 30 13 13 07.5–1.0 55.70S 27.10W 13 5.6b,5.3s
NEIC III 30 13 13 08.6–2.0 55.7S–.10 27.1W–.20 10–1 5.4b,5.3s
GCMT III 30 13 13 13.6–.20 55.78S–.01 26.94W–.02 12 5.3W,5.3s
ISC Event type se. Moment Tensor Solution. NP1:φs345.70734°,δ25.43539°,λ-91.81638°. NP2: φs167.71852°,δ64.57830°,λ-89.13635°. Principal axes: T Plg19.5739°,Azm257.0704° ; N Plg0.7800°,Azm347.3477°; P Plg70.4093°,Azm79.5401°
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s54,c69; s116,c162;Duration: $1^{s}1$ Moment tensor: Scale 10^{17}Nm; Mrr0.11±.01 Mθθ0.20±.01; Mφφ-0.30±.01; Mrθ-0.50±.04; Mθφ0.25±.01; Mφr1.10±.03; Best double couple: NP1:φs335.00000°,δ84.00000°,λ89.00000°. NP2:φs168.00000°,δ6.00000°,λ103.00000°. Principal axes: T 1.0870,Plg51.0000° ,Azm243.0000°; N 0.3010,Plg1.0000°,Azm335.0000°; P -1.3880,Plg39.0000°,Azm66.0000° M0 1.23700×10^{17}
ISC III 30 13 55 58.4–.85 57.6S–.20 24.2W–.30 10 3.9b 11 15-152
IDC III 30 13 55 56.5–2.0 57.68S 24.12W 0 4.0,4.0b ¶610543995
ISC Event type ke.
IDC Error ellipse: s-maj=75.4km s-min=35.6km az=11.0.
ISC III 30 14 17 47.8–.47 55.63S–.09 27.2W–.10 25 4.7b,4.2s 67 5-151
IDC III 30 14 17 44.2–.59 55.64S 26.93W 0 4.5b,4.4 ¶610465756
NEIC III 30 14 17 45.4–1.7 55.6S–.10 27.0W–.20 10–1 4.7b,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC III 30 14 18 05.6–2.1 55.61S–.08 26.9W–.10 10–1 5.1b ¶616339009
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 30 14 32 12.2–.81 55.6S–.10 27.0W–.20 25 4.2b 17 17-151
IDC III 30 14 32 08.3–.83 55.57S 26.88W 0 4.2b,4.1 ¶610465758
ISC Event type ke.
IDC Error ellipse: s-maj=35.3km s-min=13.2km az=65.0.
ISC III 30 14 39 36.6–.87 55.7S–.20 26.9W–.30 25 4.0b 9 19-151
IDC III 30 14 39 32.9–.94 55.68S 26.83W 0 4.1,4.1b ¶610543997
ISC Event type ke.
IDC Error ellipse: s-maj=48.6km s-min=23.3km az=80.0.
ISC III 30 21 58 19.2–.32 55.43S–.07 28.08W–.07 26 5.0b,4.2s 280 5-157
IDC III 30 21 58 15.7–.48 55.35S 27.88W 0 5.1L,4.7 ¶610460766
NEIC III 30 21 58 17.4–1.0 55.4S–.10 28.10W–.10 10–1 5.0b,4.7
GCMT III 30 21 58 23.4–.40 55.36S–.03 27.78W–.05 19–1 5.0W,4.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s26,c31; s69,c87;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr2.71±.25 Mθθ-1.82±.18 Mφφ-0.89±.16; Mrθ0.87±.35; Mθφ1.62±.10; Mφr2.02±.35; Best double couple: NP1:φs336.00000°,δ58.00000°,λ125.00000°. NP2:φs102.00000°,δ46.00000°,λ47.00000°. Principal axes: T 3.9920,Plg60.0000° ,Azm300.0000°; N -0.8950,Plg30.0000°,Azm135.0000°; P -3.1050,Plg7.0000°,Azm41.0000° M0 3.54800×10^{16}
ISC III 30 22 02 37.9–.95 55.6S–.20 28.3W–.30 45 3.9b 7 19-151
IDC III 30 22 02 31.8–1.0 55.56S 28.21W 0 4.2L,3.9 ¶610544013
ISC Event type ke.
IDC Error ellipse: s-maj=51.3km s-min=27.6km az=71.0.
ISC III 31 10 50 58.5–.91 55.3S–.10 28.7W–.10 10 4.1b 16 5-152
IDC III 31 10 50 57.6–1.0 55.20S 28.34W 0 3.8,3.8b ¶610544045
NEIC III 31 10 50 57.8–1.5 55.3S–.20 28.6W–.20 10–2 4.5b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC III 31 12 14 07.3–3.2 55.23S 28.18W 0 3.8,3.8b ¶610544050
IDC Error ellipse: s-maj=118.2km s-min=52.0km az=172.0.
IDC III 31 15 29 20.7–1.2 55.17S 28.19W 0 4.1L,3.9 ¶610544059
IDC Error ellipse: s-maj=69.8km s-min=27.5km az=90.0.
ISC IV 02 09 05 41.0–.62 55.42S–.10 28.31W–.10 35 4.4b,3.5s 31 5-151
IDC IV 02 09 05 35.8–.68 55.32S 28.13W 0 4.7L,4.2 ¶610476566
NEIC IV 02 09 05 40.7–1.6 55.5S–.10 28.3W–.20 31–6 4.5b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IV 02 12 35 38.7–2.3 54.95S 30.54W 0 4.4,4.4b ¶610651759
IDC Error ellipse: s-maj=97.6km s-min=49.5km az=11.0.
ISC IV 04 13 53 17.3–.23 55.65S–.05 30.01W–.05 10 5.5b,5.0s 669 4-175
IDC IV 04 13 53 15.7–.35 55.62S 29.78W 0 5.2,5.2b ¶610482617
NEIC IV 04 13 53 17.7 55.41S 29.20W 20 5.2,5.2b
MOS IV 04 13 53 17.3–.91 55.64S 30.20W 19 5.7b,4.7s
NEIC IV 04 13 53 17.7 55.61S 30.09W 20 5.7b,4.7s
NEIC IV 04 13 53 19.0–1.1 55.62S–.10 30.0W–.20 19–3 5.6,5.6b
GCMT IV 04 13 53 20.0–.10 55.73S–.01 29.81W–.01 12 5.4W,5.6b
ISC Event type se. Moment Tensor Solution. NP1:φs308.90381°,δ14.18800°,λ-155.79260°. NP2: φs195.35336°,δ84.23188°,λ-77.01540°. Principal axes: T Plg37.9135°,Azm273.7355° ; N Plg12.9177°,Azm14.0258°; P Plg49.1657°,Azm119.4159°
NEIC Event type se. Moment Tensor Solution.Duration: $2^{s}8$ Moment tensor: Scale 10^{17}Nm; Mrr-1.86 Mθθ0.06 Mφφ1.80 Mrθ-0.25 Mθφ0.46 Mφr-2.19 NP1:φs8.23000°,δ69.77000° ,λ-94.13000°. NP2:φs200.04000°,δ20.63000°,λ-78.93000°. Principal axes: T 2.9191,Plg25.0000°,Azm101.0000°; N -0.0311,Plg4.0000°,Azm10.0000° ; P -2.8880,Plg65.0000°,Azm271.0000° M0 2.90000×10^{17}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s87,c143; s129,c234;Duration: $1^{s}2$ Moment tensor: Scale 10^{17}Nm; Mrr-1.06±.03 Mθθ-0.52±.03; Mφφ1.58±.02; Mrθ0.32±.07; Mθφ0.60±.02; Mφr0.68±.05; Best double couple: NP1:φs206.00000°,δ60.00000°,λ-76.00000°. NP2:φs359.00000°,δ33.00000°,λ-113.00000°. Principal axes: T 1.9210,Plg14.0000° ,Azm286.0000°; N -0.6460,Plg12.0000°,Azm19.0000°; P -1.2720,Plg71.0000° ,Azm148.0000° M0 1.59700×10^{17}
ISC IV 06 12 52 18.5–1.2 58.0S–.20 25.2W–.40 50 7 15-152
IDC IV 06 12 52 11.9–1.2 57.81S 25.92W 0 3.7,3.7b ¶610652077
ISC Event type ke.
IDC Error ellipse: s-maj=103.9km s-min=35.3km az=100.0.
ISC IV 07 01 49 34.0–.96 55.7S–.20 27.4W–.30 100 8 17-151
IDC IV 07 01 49 18.9–1.9 56.42S 27.25W 0 3.8,3.8b ¶610652117
ISC Event type ke.
IDC Error ellipse: s-maj=82.5km s-min=45.4km az=8.0.
ISC IV 09 18 07 24.8–.92 59.9S–.10 29.3W–.20 10 4.1b,3.6s 10 14-152
IDC IV 09 18 07 23.7–1.1 59.71S 29.49W 0 4.1,4.1b ¶610652317
ISC Event type ke.
IDC Error ellipse: s-maj=36.9km s-min=31.9km az=97.0.
ISC IV 10 03 12 55.3–.57 56.1S–.10 26.4W–.10 10 4.9b,4.0s 64 6-161
IDC IV 10 03 12 53.6–.80 55.91S 25.79W 0 4.4b,4.3 ¶610524826
NEIC IV 10 03 12 55.8–2.0 56.1S–.10 26.4W–.20 10–1 5.0b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 12 19 15 46.5–.72 54.7S–.10 27.3W–.10 10 4.2b 23 5-151
IDC IV 12 19 15 45.4–.92 54.68S 27.06W 0 4.1,4.1b ¶610652573
NEIC IV 12 19 15 46.6–1.0 54.8S–.10 27.3W–.20 10–1 4.3b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 14 02 32 40.4–.45 59.39S–.08 25.80W–.09 50 4.5b,3.2s 51 8-153
IDC IV 14 02 32 41.5–.83 59.10S 25.92W 57–7 4.4,4.1b ¶610528511
NEIC IV 14 02 32 41.8–1.1 59.5S–.10 25.9W–.30 71–9 4.7b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 14 09 47 25.7–.55 56.42S–.09 26.14W–.10 33 4.5b 63 6-151
IDC IV 14 09 47 21.1–1.0 56.37S 25.94W 0 4.0,4.0b ¶610652710
NEIC IV 14 09 47 24.7–1.8 56.4S–.10 26.1W–.20 24–6 4.5b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 14 09 52 43.5–.47 56.46S–.07 26.35W–.07 40–4 5.0b,3.5s 202 6-164
IDC IV 14 09 52 37.0–.70 56.34S 25.75W 0 4.5,4.5b ¶610652715
NEIC IV 14 09 52 45.0–1.6 56.54S–.10 26.5W–.10 46–5 5.0b,4.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 14 10 00 45.2–.61 56.6S–.10 26.71W–.10 100 4.6b 66 6-151
IDC IV 14 10 00 31.2–.80 56.26S 25.55W 0 4.4,4.4b ¶610652718
NEIC IV 14 10 00 45.9–1.5 56.7S–.10 26.8W–.20 98–9 4.6b,4.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 14 18 50 07.8–.56 56.65S–.10 27.31W–.09 150 4.3b 38 6-151
IDC IV 14 18 50 07.9–6.9 56.68S 27.26W 147–63 4.1,3.7b ¶610652748
NEIC IV 14 18 50 07.7–1.3 56.7S–.10 27.3W–.10 145–7 4.4b,3.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 15 09 15 17.4–.45 56.17S–.08 27.11W–.08 63 4.7b 97 6-151
IDC IV 15 09 15 15.7–4.8 56.09S 26.85W 47–44 4.4,4.2b ¶610652785
NEIC IV 15 09 15 18.3–1.4 56.2S–.10 27.2W–.20 64–6 4.7b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 18 06 29 30.7–.36 57.23S–.06 26.50W–.08 100 4.7b 101 6-151
IDC IV 18 06 29 32.3–.82 57.14S 26.59W 111–6 4.5,4.1b ¶610537706
NEIC IV 18 06 29 33.9–1.6 57.2S–.10 26.6W–.20 125–6 4.7b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 19 15 42 24.7–.44 56.34S–.07 24.56W–.08 10 4.8b,3.8s 83 7-154
IDC IV 19 15 42 23.5–.55 56.35S 24.36W 0 4.6,4.6b ¶610544326
NEIC IV 19 15 42 25.2–1.6 56.38S–.10 24.57W–.09 10–1 4.9b,4.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 19 23 53 38.1–.55 59.30S–.09 25.4W–.10 35 4.6b,3.7s 45 8-153
IDC IV 19 23 53 30.0–.67 59.24S 25.99W 0 5.3L,4.5 ¶610544327
NEIC IV 19 23 53 35.6–1.3 59.3S–.10 25.5W–.30 10–1 4.7b,4.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 21 21 51 01.8–.64 57.99S–.10 25.1W–.10 50 4.3b 23 7-152
NEIC IV 21 21 51 00.9–1.6 57.9S–.20 24.9W–.30 47–16 4.2b ¶610547310
IDC IV 21 21 51 04.0–7.1 57.98S 25.13W 64–64 4.7s,4.2
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=37.6km s-min=5.3km az=220.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=47.5km s-min=21.4km az=94.0.
ISC IV 22 15 11 25.0–.49 60.48S–.08 26.96W–.10 35 4.9b,3.5s 82 8-153
IDC IV 22 15 11 20.9–.73 60.40S 27.03W 0 4.3,4.3b ¶610547506
NEIC IV 22 15 11 25.1–2.5 60.3S–.10 26.9W–.40 28–7 4.9b,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 23 05 53 11.0–.54 56.14S–.09 27.67W–.08 112 4.4b 41 5-152
IDC IV 23 05 53 10.2–.77 56.08S 27.26W 101–7 4.4,3.9b ¶610548728
NEIC IV 23 05 53 11.3–1.4 56.3S–.10 27.8W–.20 107–7 4.6b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 24 09 42 13.6–.56 58.6S–.10 29.7W–.10 10 4.4b,3.5s 29 6-152
IDC IV 24 09 42 12.4–.69 58.67S 29.63W 0 4.3b,4.2 ¶610649880
NEIC IV 24 09 42 14.1–.91 58.6S–.20 29.5W–.40 10–2 4.5b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IV 26 02 56 32.5–2.0 55.95S 27.88W 0 3.8,3.8b ¶610650028
IDC Error ellipse: s-maj=82.8km s-min=48.7km az=180.0.
ISC IV 26 22 18 31.1–.96 55.9S–.20 28.1W–.40 121 3.8b 9 19-151
IDC IV 26 22 18 33.5–13 55.90S 27.86W 139–120 3.9,3.8L ¶610650089
ISC Event type ke.
IDC Error ellipse: s-maj=75.3km s-min=30.9km az=114.0.
ISC IV 27 04 09 20.6–.60 58.79S–.10 25.2W–.10 35 4.8b 50 8-153
IDC IV 27 04 09 15.3–.76 58.75S 25.32W 0 4.1,4.1b ¶610585841
NEIC IV 27 04 09 23.2–1.1 58.9S–.10 25.3W–.20 57–9 5.0b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IV 27 12 10 12.2–3.8 55.83S 29.82W 0 3.8,3.8b ¶610650132
IDC Error ellipse: s-maj=134.7km s-min=53.6km az=175.0.
IDC IV 27 12 16 13.2–2.0 56.05S 30.01W 0 3.8,3.8b ¶610650133

IDC Error ellipse: s-maj=87.7km s-min=50.6km az=6.0.
ISC IV 27 12 32 21.9–.90 55.8S–.20 30.0W–.30 10 4.1b 8 20-152
IDC IV 27 12 32 20.4–.90 55.78S 29.94W 0 4.1,4.1b ¶610650134
ISC Event type ke.
IDC Error ellipse: s-maj=42.9km s-min=25.2km az=77.0.
ISC IV 27 12 34 30.9–.49 55.22S–.09 29.9W–.10 10 4.2b,4.0s 44 4-152
IDC IV 27 12 34 27.9–.66 55.65S 29.81W 0 4.0s,4.0 ¶610570290
NEIC IV 27 12 34 35.1–1.6 55.8S–.10 30.8W–.20 33–5 4.8b,4.0
GCMT IV 27 12 34 41.1–.20 55.89S–.02 30.07W–.02 12 5.0W,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s44,c52; s106,c155;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.35±.10 $M_{\theta\theta}$-0.45±.12; $M_{\phi\phi}$3.80±.07; $M_{r\theta}$0.82±.38; $M_{\theta\phi}$1.28±.08; $M_{\phi r}$1.51±.27; Best double couple: NP1:ϕ_s202.00000°,δ57.00000°,λ-82.00000°. NP2:ϕ_s7.00000°,δ33.00000°,λ-103.00000°. Principal axes: T 4.5140,Plg12.0000° ,Azm286.0000°; N -0.7540,Plg7.0000°,Azm18.0000°; P -3.7560,Plg76.0000°,Azm137.0000° $M_0$4.13500×10^{16}
ISC IV 27 13 35 20.0–.30 55.69S–.06 30.15W–.07 35 5.0b,4.3s 291 4-157
IDC IV 27 13 35 15.0–.47 55.79S 30.15W 0 4.7,4.7b ¶610570291
GCMT IV 27 13 35 19.9–.20 55.85S–.02 30.00W–.02 12 5.0W,4.7b
NEIC IV 27 13 35 19.9–2.5 55.76S–.10 30.2W–.20 31–4 5.1b,4.7b
ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s60,c73; s106,c157;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.17±.14 $M_{\theta\theta}$-1.34±.15; $M_{\phi\phi}$4.51±.10; $M_{r\theta}$1.31±.48; $M_{\theta\phi}$2.45±.11; $M_{\phi r}$0.36±.32; Best double couple: NP1:ϕ_s227.00000°,δ58.00000°,λ-51.00000°. NP2:ϕ_s350.00000°,δ49.00000°,λ-135.00000°. Principal axes: T 5.4740,Plg5.0000° ,Azm291.0000°; N -1.5250,Plg32.0000°,Azm24.0000°; P -3.9490,Plg57.0000° ,Azm193.0000° $M_0$4.71200×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 27 13 37 49.4–1.0 55.5S–.20 30.4W–.20 10 4.3b 7 20-152
IDC IV 27 13 37 47.7–1.2 55.50S 30.34W 0 4.3,4.3b ¶610650138
ISC Event type ke.
IDC Error ellipse: s-maj=46.9km s-min=27.8km az=35.0.
IDC IV 28 02 57 23.0–2.2 55.34S 27.89W 0 4.1,4.1b ¶610650183
IDC Error ellipse: s-maj=117.3km s-min=69.1km az=138.0.
IDC IV 28 04 47 30.3–10 56.89S 26.24W 0 4.3,4.3b ¶610650190
IDC Error ellipse: s-maj=604.6km s-min=60.2km az=144.0.
IDC IV 28 15 29 07.7–12 58.30S 30.06W 331–119 4.0,3.4b ¶610589250
IDC Error ellipse: s-maj=60.8km s-min=30.9km az=103.0.
IDC V 01 23 27 59.6–2.5 59.22S 26.61W 0 3.9,3.9b ¶610689347
IDC Error ellipse: s-maj=85.6km s-min=32.4km az=7.0.
ISC V 03 05 09 51.7–.36 59.78S–.05 27.26W–.06 118–2 5.0b 211 9-153
BJI V 03 05 09 48.0–.00 59.80S 27.30W 90 6.1b ¶610593226
IDC V 03 05 09 51.2–.45 59.74S 27.32W 112–3 4.9,4.6s
NEIC V 03 05 09 53.8–1.2 59.8S–.10 27.4W–.20 134–6 5.0b,4.6s
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC V 03 14 31 08.1–1.1 56.34S 26.98W 0 3.8,3.8b ¶610689484
IDC Error ellipse: s-maj=47.7km s-min=28.0km az=70.0.
ISC V 03 17 24 53.4–.58 56.03S–.06 26.56W–.06 32–3 5.2b,4.1s 414 6-158
IDC V 03 17 24 53.7–1.8 56.01S 26.45W 31–12 4.8,4.6b ¶610593816
NEIC V 03 17 24 54.5–1.8 56.0S–.10 26.7W–.20 34–4 5.3b,4.6b
MOS V 03 17 24 54.0–1.2 56.05S 26.78W 45 5.3b,4.6b
GCMT V 03 17 24 57.5–.40 55.98S–.03 26.34W–.03 31–1 5.0W,4.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s42,c43; s70,c85;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.87±.22 $M_{\theta\theta}$-0.32±.17; $M_{\phi\phi}$-2.56±.15; $M_{r\theta}$0.45±.20; $M_{\theta\phi}$1.56±.10; $M_{\phi r}$2.31±.16; Best double couple: NP1:ϕ_s355.00000°,δ64.00000°,λ112.00000°. NP2:ϕ_s132.00000°,δ34.00000°,λ52.00000°. Principal axes: T 3.9500,Plg64.0000° ,Azm302.0000°; N -0.0530,Plg20.0000°,Azm164.0000°; P -3.9040,Plg16.0000° ,Azm68.0000° $M_0$3.92700×10^{16}
IDC V 05 08 56 42.1–3.2 55.17S 30.47W 0 3.8,3.8b ¶610689599
IDC Error ellipse: s-maj=119.6km s-min=53.6km az=179.0.
ISC V 06 23 47 06.4–.73 56.1S–.10 26.8W–.10 35 4.3b 29 6-151
IDC V 06 23 47 01.2–.83 56.07S 26.72W 0 4.0,4.0b ¶610689691
NEIC V 06 23 47 06.6–.97 56.07S–.09 26.7W–.10 35–2 4.4b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 08 09 01 19.1–.34 55.29S–.07 29.27W–.08 10 4.8b,4.0s 152 4-156
IDC V 08 09 01 17.3–.49 55.30S 29.22W 0 4.6,4.6b ¶610617989
NEIC V 08 09 01 19.3–1.5 55.3S–.10 29.3W–.20 10–1 4.7b,4.6b
GCMT V 08 09 01 22.3–.30 55.25S–.02 29.29W–.04 21–1 5.1W,4.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s19,c19; s88,c112;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.83±.31 $M_{\theta\theta}$-3.83±.25; $M_{\phi\phi}$1.01±.16; $M_{r\theta}$0.48±.35; $M_{\theta\phi}$2.94±.15; $M_{\phi r}$2.61±.35; Best double couple: NP1:ϕ_s329.00000°,δ63.00000°,λ139.00000°. NP2:ϕ_s81.00000°,δ54.00000°,λ34.00000°. Principal axes: T 5.2130,Plg48.0000° ,Azm291.0000°; N 0.0780,Plg42.0000°,Azm122.0000°; P -5.2810,Plg5.0000°,Azm27.0000° $M_0$5.24700×10^{16}
ISC V 08 15 02 43.1–.47 58.72S–.09 25.0W–.10 28 4.3b,3.3s 43 14-163
NEIC V 08 15 02 40.5–1.1 58.8S–.10 25.0W–.30 10–1 4.5b,3.3s ¶610622995
IDC V 08 15 02 44.1–3.1 58.69S 25.04W 31–21 4.4L,4.1
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=26.7km s-min=20.0km az=219.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=23.0km s-min=18.0km az=64.0.
ISC V 10 02 14 51.4–.68 55.9S–.10 27.3W–.20 50 4.2b 37 6-150
NEIC V 10 02 14 45.6–1.6 55.93S–.04 26.9W–.20 10–1 4.4b ¶610689928
IDC V 10 02 14 59.1–12 55.91S 27.18W 126–112 4.0,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=22.0km s-min=6.9km az=89.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=39.3km s-min=24.2km az=74.0.
ISC V 10 05 10 12.4–.69 55.9S–.10 27.5W–.20 112 4.2b 21 17-150
IDC V 10 05 10 15.0–3.1 55.96S 27.49W 132–26 4.3,3.8b ¶610689939
ISC Event type ke.
IDC Error ellipse: s-maj=26.9km s-min=17.2km az=87.0.
ISC V 10 22 08 27.3–.41 56.02S–.06 28.03W–.08 94–3 5.0b 348 5-154
IDC V 10 22 08 26.8–.69 56.01S 27.97W 88–5 4.8,4.5b ¶615092634
NEIC V 10 22 08 27.6–1.4 56.0S–.10 28.0W–.20 94–5 5.0b,4.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 10 23 23 37.8–.41 56.47S–.03 25.88W–.03 23–2 6.4s,6.2b 1739 6-176
BJI V 10 23 23 34.5–.00 56.30S 26.05W 10 6.5s,6.4 ¶614818708
MOS V 10 23 23 35.2–1.0 56.49S 26.12W 10 6.4b,6.3s
IDC V 10 23 23 35.9–1.2 56.36S 25.74W 10–6 6.3s,5.7
NEIC V 10 23 23 36.8–1.8 56.41S–.07 25.7W–.10 15–1 6.5,6.5
NEIC V 10 23 23 36.1 56.10S 25.58W 24 6.5,6.5
NEIC V 10 23 23 36.1 56.40S 25.76W 24 6.5,6.5
NEIC V 10 23 23 37.3 56.43S 25.78W 17 6.5,6.5
GCMT V 10 23 23 43.8–.00 56.43S 25.51W 19–0 6.5W,6.5
NEIC V 10 23 29.6 56.39S 25.58W 29 6.5W,6.5
ISC Event type se.
MOS Error ellipse: s-maj=15.7km s-min=8.4km az=107.2.
IDC Error ellipse: s-maj=12.6km s-min=9.9km az=47.0.
NEIC Event type se. Error ellipse: s-maj=13.3km s-min=9.9km az=141.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution.Duration: 8s3 Moment tensor: Scale 10^{18}Nm; M_{rr}5.53 $M_{\theta\theta}$-0.57 $M_{\phi\phi}$-4.96 $M_{r\theta}$-2.02 $M_{\theta\phi}$1.74 $M_{\phi r}$3.23 NP1:ϕ_s333.65000°,δ62.25000° ,λ83.30000°. NP2:ϕ_s167.82000°,δ28.48000°,λ102.51000°. Principal axes: T 6.7527,Plg72.0000°,Azm228.0000°; N -0.0517,Plg6.0000°,Azm337.0000° ; P -6.7010,Plg17.0000°,Azm69.0000° $M_0$6.73000×10^{18}
NEIC Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=125s. Triangular moment-rate function. Moment Tensor Solution. s172,c433; s169,c756; Duration: 4s1 Moment tensor: Scale 10^{18}Nm; M_{rr}4.84±.02 $M_{\theta\theta}$-0.45±.02; $M_{\phi\phi}$-4.39±.02; $M_{r\theta}$-1.44±.04; $M_{\theta\phi}$1.83±.01; $M_{\phi r}$3.03±.05; Best double couple: NP1:ϕ_s336.00000°,δ62.00000° ,λ88.00000°. NP2:ϕ_s161.00000°,δ28.00000°,λ94.00000°. Principal axes: T 5.8700,Plg73.0000°,Azm241.0000°; N 0.2650,Plg2.0000°,Azm337.0000° ; P -6.1300,Plg17.0000°,Azm68.0000° $M_0$6.00000×10^{18}
NEIC Event type se. Moment Tensor Solution.Duration: 9s4 Moment tensor: Scale 10^{18}Nm; M_{rr}6.11 $M_{\theta\theta}$-1.01 $M_{\phi\phi}$-5.09 $M_{r\theta}$0.29 $M_{\theta\phi}$1.71 $M_{\phi r}$-1.86 NP1:ϕ_s163.15000°,δ53.74000° ,λ93.61000°. NP2:ϕ_s337.07000°,δ36.42000°,λ85.10000°. Principal axes: T 6.4074,Plg81.0000°,Azm89.0000°; N -0.4088,Plg3.0000°,Azm341.0000° ; P -5.9986,Plg9.0000°,Azm251.0000° $M_0$6.20000×10^{18}
ISC V 10 23 33 45.4–1.9 56.7S–.50 25.5W–.30 10 4.8b 8 18-151
IDC V 10 23 33 52.5–7.1 56.23S 25.59W 46–69 4.4,4.3b ¶610690000
ISC Event type ke.
IDC Error ellipse: s-maj=42.0km s-min=28.1km az=19.0.
ISC V 10 23 35 01.0–.65 56.4S–.10 25.9W–.10 33 4.7b 34 6-151
NEIC V 10 23 34 58.2–1.8 56.4S–.10 25.8W–.20 10–1 4.8b ¶610690001
IDC V 10 23 35 02.6–7.2 56.30S 25.73W 43–69 4.4,4.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=24.4km s-min=18.0km az=40.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=34.6km s-min=23.5km az=45.0.
IDC V 10 23 39 01.2–1.3 56.27S 25.41W 0 4.0,4.0b ¶610690002
IDC Error ellipse: s-maj=54.8km s-min=27.7km az=76.0.
ISC V 10 23 40 47.3–.99 56.4S–.10 25.9W–.20 35 4.2b 17 6-151
IDC V 10 23 40 42.4–1.3 56.32S 25.44W 0 4.0,4.0b ¶610690003
NEIC V 10 23 40 43.9–.73 56.4S–.10 25.8W–.20 10–2 4.4b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 10 23 45 13.7–.68 56.4S–.10 25.9W–.10 35 4.5b 21 6-151
NEIC V 10 23 45 10.6–1.4 56.4S–.10 25.7W–.20 10–1 4.6b ¶610690004
IDC V 10 23 45 15.9–8.6 56.37S 25.63W 48–83 3.9,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=23.8km s-min=20.1km az=217.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=49.9km s-min=33.8km az=57.0.
ISC V 10 23 50 36.4–.81 56.5S–.10 25.9W–.20 35 4.3b 28 6-153
IDC V 10 23 50 31.6–2.1 56.33S 25.52W 0 4.1,4.1b ¶610690005
NEIC V 10 23 50 33.6–1.0 56.6S–.10 25.9W–.30 10–1 4.4b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 11 00 06 33.1–.82 56.5S–.10 26.5W–.20 10 4.5b 26 6-151
IDC V 11 00 06 30.9–1.0 56.37S 25.52W 0 4.0,4.0b ¶610690007
NEIC V 11 00 06 36.0–1.5 56.9S–.20 27.2W–.30 10–2 4.5b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 11 01 09 45.6–.21 56.45S–.05 25.71W–.05 29 5.6b,5.4s 557 7-173
IDC V 11 01 09 41.7–.34 56.32S 25.62W 0 5.3s,5.3b ¶610623480
NEIC V 11 01 09 42.9 56.50S 25.61W 20 5.3s,5.3b
NEIC V 11 01 09 42.9 56.40S 25.79W 20 5.3s,5.3b
MOS V 11 01 09 43.0–1.9 56.30S 25.70W 10 5.7b,5.1s
NEIC V 11 01 09 43.1–1.6 56.40S–.09 25.8W–.20 10–1 5.7b,5.6
GCMT V 11 01 09 53.0–.20 56.43S–.02 25.49W–.02 24–0 5.7W,5.6
ISC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 3s4 Moment tensor: Scale 10^{17}Nm; M_{rr}3.18 $M_{\theta\theta}$-1.03 $M_{\phi\phi}$-2.14 $M_{r\theta}$-0.16 $M_{\theta\phi}$1.65 $M_{\phi r}$1.29 NP1:ϕ_s334.74000°,δ55.57000° ,λ102.26000°. NP2:ϕ_s133.72000°,δ36.29000°,λ72.79000°. Principal axes: T 3.4870,Plg76.0000°,Azm283.0000°; N 0.0420,Plg10.0000°,Azm148.0000° ; P -3.5290,Plg10.0000°,Azm56.0000° $M_0$3.51000×10^{17}
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s75,c95; s147,c265;Duration: 1s8 Moment tensor: Scale 10^{17}Nm; M_{rr}5.04±.18 $M_{\theta\theta}$-1.80±.10; $M_{\phi\phi}$-3.25±.10; $M_{r\theta}$-0.52±.16; $M_{\theta\phi}$1.73±.04; $M_{\phi r}$0.72±.14; Best double couple: NP1:ϕ_s326.00000°,δ50.00000°,λ90.00000°. NP2:ϕ_s147.00000°,δ40.00000°,λ90.00000°. Principal axes: T 5.1220,Plg85.0000° ,Azm233.0000°; N -0.6490,Plg0.0000°,Azm326.0000°; P -4.4830,Plg5.0000°,Azm56.0000° $M_0$4.80200×10^{17}
ISC V 11 01 16 58.9–.29 56.36S–.07 25.79W–.08 10 5.3b 452 6-165
IDC V 11 01 16 57.5–.38 56.31S 25.67W 0 5.0,5.0b ¶610623481
MOS V 11 01 16 59.3–2.4 56.30S 25.70W 10 5.2b,5.0b
NEIC V 11 01 16 59.3–1.7 56.4S–.10 25.8W–.20 10–1 5.4b,5.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC V 11 01 40 26.3–4.6 55.47S 25.77W 0 3.9,3.9b ¶610690011
IDC Error ellipse: s-maj=153.7km s-min=44.8km az=173.0.
ISC V 11 02 56 31.5–.97 56.4S–.10 25.8W–.30 33 4.2b 12 16-151
IDC V 11 02 56 26.3–.94 56.33S 25.50W 0 4.0b,3.9 ¶610690015
ISC Event type ke.
IDC Error ellipse: s-maj=42.3km s-min=21.5km az=81.0.
ISC V 11 03 55 43.9–.39 56.41S–.08 25.71W–.09 29 5.0b,4.1s 179 7-154
IDC V 11 03 55 39.2–.55 56.35S 25.76W 0 4.6,4.6b ¶610690019
NEIC V 11 03 55 41.4–1.7 56.45S–.09 25.79W–.10 10–1 5.0b,4.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 11 07 15 18.7–.78 56.5S–.10 25.7W–.10 29 4.9b 39 7-152
IDC V 11 07 15 14.1–.98 56.45S 25.51W 0 4.3b,4.2 ¶610690023
NEIC V 11 07 15 16.4–1.5 56.6S–.10 25.7W–.30 10–2 4.9b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 11 09 33 25.1–.35 56.44S–.07 25.71W–.09 29 5.0b,4.0s 246 7-154
IDC V 11 09 33 20.5–.49 56.41S 25.46W 0 4.7,4.7b ¶610625933
NEIC V 11 09 33 24.5–.87 56.4S–.10 25.6W–.20 24–5 5.1b,4.7b
GCMT V 11 09 33 30.5–.40 56.57S–.04 25.36W–.05 27–1 4.9W,4.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s21,c25; s76,c87;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.19±.23 $M_{\theta\theta}$-0.83±.16; $M_{\phi\phi}$-2.36±.15; $M_{r\theta}$0.96±.26; $M_{\theta\phi}$0.60±.08; $M_{\phi r}$1.20±.20; Best double couple: NP1:ϕ_s0.00000°,δ56.00000°,λ109.00000°. NP2:ϕ_s149.00000°,δ38.00000°,λ64.00000°. Principal axes: T 3.6880,Plg72.0000° ,Azm317.0000°; N -0.9860,Plg16.0000°,Azm169.0000°; P -2.7010,Plg9.0000°,Azm77.0000° $M_0$3.19400×10^{16}

ISC V 11 12 34 00.8–.60 56.41S–.09 25.8W–.10 33 4.8b,3.6s 59 6-151
IDC V 11 12 33 56.0–.69 56.31S 25.80W 0 4.4b,4.3 **¶610690049**
NEIC V 11 12 33 57.9–1.1 56.39S–.07 25.9W–.20 10–1 4.8b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 11 15 41 14.3–1.0 56.63S–.05 25.94W–.05 28–6 5.6b,5.4s 779 6-176
IDC V 11 15 41 10.1–.30 56.52S 25.63W 0 5.2s,5.2 **¶610630602**
MOS V 11 15 41 10.5–.72 56.52S 25.84W 15 5.8b,5.1s
NEIC V 11 15 41 11.6–1.5 56.59S–.07 25.8W–.10 13–1 5.7,5.6b
BJI V 11 15 41 11.2–.00 56.59S 26.07W 20 5.6s,5.3
NEIC V 11 15 41 13 56.56S 25.87W 21 5.6s,5.3
NEIC V 11 15 41 14 56.89S 25.43W 16 5.6s,5.3
NEIC V 11 15 41 14 56.59S 25.98W 16 5.6s,5.3
GCMT V 11 15 41 19.6–.10 56.57S–.01 25.26W–.01 19–0 5.7W,5.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; Mrr1.00 Mθθ-0.33 Mφφ-0.67 Mrθ-0.86 Mθφ-0.42 Mφr1.62 NP1:φs215.89000°,δ18.14000°,λ141.93000°. NP2:φs342.55000° ,δ78.93000°,λ75.54000°. Principal axes: T 2.3260,Plg54.0000°,Azm235.0000° ; N -0.6665,Plg14.0000°,Azm345.0000°; P -1.6595,Plg32.0000°,Azm85.0000° M0 2.07000×10^{17}
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 3s9 Moment tensor: Scale 10^{17}Nm; Mrr3.80 Mθθ0.26 Mφφ-4.07 Mrθ-0.88 Mθφ1.23 Mφr2.17 NP1:φs341.02000°,δ59.90000° ,λ85.41000°. NP2:φs170.11000°,δ30.41000°,λ97.85000°. Principal axes: T 4.4346,Plg75.0000°,Azm239.0000°; N 0.5698,Plg4.0000°,Azm343.0000° ; P -5.0044,Plg15.0000°,Azm74.0000° M0 4.72000×10^{17}
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s146,c271; s158,c297;Duration: 1s7 Moment tensor: Scale 10^{17}Nm; Mrr3.25±.04 Mθθ-0.32±.03; Mφφ-2.94±.03; Mrθ-0.67±.08; Mθφ1.41±.03; Mφr1.92±.07; Best double couple: NP1:φs339.00000°,δ60.00000°,λ92.00000°. NP2:φs154.00000°,δ30.00000°,λ86.00000°. Principal axes: T 3.8150,Plg74.0000° ,Azm255.0000°; N 0.2920,Plg2.0000°,Azm158.0000°; P -4.1130,Plg15.0000°,Azm67.0000° M0 3.96400×10^{17}
ISC V 11 15 49 02.6–.95 56.5S–.20 25.8W–.30 33 4.3b 12 16-151
IDC V 11 15 48 57.7–1.2 56.51S 25.66W 0 4.3b,4.2 **¶610690055**
ISC Event type ke.
IDC Error ellipse: s-maj=45.6km s-min=23.8km az=61.0.
ISC V 11 15 52 51.0–.95 56.7S–.10 26.5W–.20 10 4.9b 51 6-151
IDC V 11 15 52 48.2–1.1 56.41S 25.43W 0 4.3b,4.2 **¶610690056**
NEIC V 11 15 52 57.0–2.0 57.3S–.10 28.3W–.20 10–1 4.9b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 11 15 54 27.0–.66 56.6S–.10 26.1W–.10 33 4.8b 57 6-151
IDC V 11 15 54 22.0–1.0 56.45S 25.71W 0 4.4b,4.3 **¶610690057**
NEIC V 11 15 54 25.6–1.1 56.86S–.07 26.6W–.20 10–1 4.9b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 11 15 57 35.2–.23 56.63S–.06 25.87W–.05 33 5.4b,5.2s 531 6-167
IDC V 11 15 57 30.5–.35 56.57S 25.57W 0 5.0,5.0b **¶610630604**
MOS V 11 15 57 31.3–.94 56.57S 25.81W 14 5.4b,5.0b
NEIC V 11 15 57 32.6–1.6 56.61S–.09 25.9W–.10 12–3 5.4b,5.3
NEIC V 11 15 57 33.1 56.58S 25.85W 14 5.4b,5.3
NEIC V 11 15 57 33.1 56.38S 25.49W 14 5.4b,5.3
GCMT V 11 15 57 38.5–.10 56.67S–.01 25.29W–.01 16–0 5.4W,5.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2s2 Moment tensor: Scale 10^{17}Nm; Mrr0.87 Mθθ0.17 Mφφ-1.04 Mrθ-0.23 Mθφ0.37 Mφr0.61 NP1:φs340.62000°,δ61.65000° ,λ85.74000°. NP2:φs169.53000°,δ28.64000°,λ97.84000°. Principal axes: T 1.0633,Plg73.0000°,Azm240.0000°; N 0.2718,Plg4.0000°,Azm343.0000° ; P -1.3351,Plg17.0000°,Azm74.0000° M0 1.20000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s77,c124; s130,c220;Duration: 1s3 Moment tensor: Scale 10^{17}Nm; Mrr1.24±.04 Mθθ-0.03±.03; Mφφ-1.21±.03; Mrθ0.13±.09; Mθφ0.55±.02; Mφr1.17±.09; Best double couple: NP1:φs357.00000°,δ66.00000°,λ107.00000°. NP2:φs140.00000°,δ29.00000°,λ56.00000°. Principal axes: T 1.7700,Plg65.0000° ,Azm295.0000°; N 0.0360,Plg15.0000°,Azm170.0000°; P -1.8020,Plg20.0000°,Azm74.0000° M0 1.78600×10^{17}
ISC V 11 15 58 29.3–.42 56.54S–.08 25.85W–.09 33 5.2b,5.0s 79 16-157
IDC V 11 15 58 24.4–.68 56.55S 25.85W 0 5.0,5.0b **¶616918748**
NEIC V 11 15 58 26.0–1.8 56.6S–.10 25.83W–.10 10–1 5.2b,5.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 11 16 03 50.3–.64 56.72S–.10 26.2W–.10 10 4.6b 54 6-151
IDC V 11 16 03 48.6–1.9 56.61S 26.02W 0 4.3b,4.2 **¶616918752**
NEIC V 11 16 03 50.4–1.8 56.8S–.10 26.1W–.20 10–1 4.7b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 11 16 04 31.5–.33 56.60S–.07 25.99W–.07 33 5.2b 292 6-154
IDC V 11 16 04 26.4–.49 56.46S 25.51W 0 4.7,4.7b **¶610690062**
NEIC V 11 16 04 28.6–2.0 56.60S–.09 26.0W–.10 10–1 5.2b,4.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 11 16 05 33.4–.26 56.70S–.05 25.98W–.06 33 5.3b 435 6-163
IDC V 11 16 05 28.4–.40 56.51S 25.57W 0 5.0,5.0b **¶610630607**
BJI V 11 16 05 28.3–.00 56.56S 25.67W 10 5.5s,5.4
MOS V 11 16 05 28.9–.90 56.61S 25.93W 13 5.3b,5.4
NEIC V 11 16 05 30.1–1.6 56.66S–.09 25.9W–.20 10–1 5.4b,5.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 11 16 36 19.3–.45 56.46S–.08 25.46W–.10 29 5.0b,4.0s 211 7-163
IDC V 11 16 36 15.3–.69 56.39S 25.26W 0 4.6b,4.5 **¶610630610**
BJI V 11 16 36 16.0–.00 56.50S 25.30W 10 5.5s,5.2
NEIC V 11 16 36 16.3–1.5 56.6S–.10 25.4W–.20 10–1 5.0b,5.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 11 16 42 12.2–.39 56.64S–.07 25.89W–.08 10 5.0b 222 6-154
IDC V 11 16 42 10.5–.60 56.44S 25.59W 0 4.4b,4.3 **¶610690066**
NEIC V 11 16 42 12.2–1.3 56.6S–.10 25.8W–.20 10–1 5.0b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 11 18 34 05.9–.51 56.59S–.09 25.6W–.10 29 5.0b,3.8s 145 7-153
IDC V 11 18 34 02.2–.85 56.48S 25.55W 0 4.2,4.2b **¶610630720**
BJI V 11 18 34 03.0–.00 56.60S 25.60W 10 5.1s,5.0
NEIC V 11 18 34 04.4–1.6 56.6S–.20 25.7W–.30 10–1 5.0b,5.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 11 22 50 32.8–.45 56.52S–.08 25.5W–.10 10 5.0b,3.8s 267 7-154
IDC V 11 22 50 31.2–.64 56.48S 25.43W 0 4.6,4.6b **¶610630731**
NEIC V 11 22 50 33.6–1.2 56.6S–.10 25.6W–.20 10–1 5.1b,4.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 12 03 46 09.7–.91 56.5S–.10 25.8W–.20 10 4.2b 18 18-151
IDC V 12 03 46 09.0–1.3 56.36S 25.32W 0 3.8,3.8b **¶610690097**
NEIC V 12 03 46 09.7–1.3 56.6S–.10 25.7W–.30 10–1 4.3b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 12 05 21 35.8–.34 56.65S–.07 25.69W–.08 29 5.0b,4.3s 224 7-154
IDC V 12 05 21 31.8–.47 56.45S 25.58W 0 4.6,4.6b **¶610630792**
NEIC V 12 05 21 33.6–1.7 56.6S–.10 25.8W–.20 10–1 5.1b,4.6b
GCMT V 12 05 21 39.6–.20 56.68S–.03 25.26W–.02 18–0 5.0W,4.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s50,c57; s98,c133;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr3.68±.18 Mθθ-0.28±.14; Mφφ-3.40±.12; Mrθ0.32±.31; Mθφ1.44±.08; Mφr1.48±.23; Best double couple: NP1:φs351.00000°,δ55.00000°,λ104.00000°. NP2:φs146.00000°,δ37.00000°,λ70.00000°. Principal axes: T 4.0630,Plg75.0000° ,Azm303.0000°; N 0.1110,Plg12.0000°,Azm162.0000°; P -4.1700,Plg9.0000°,Azm70.0000° M0 4.11600×10^{16}
ISC V 12 08 16 46.0–.72 58.7S–.10 26.4W–.10 172 4.4b 37 7-152
IDC V 12 08 16 46.5–10 58.58S 26.47W 169–93 4.0,3.6b **¶610690107**
NEIC V 12 08 16 46.5–2.4 58.6S–.20 26.3W–.20 176–8 4.5b,3.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 12 15 57 56.6–.66 56.42S–.10 25.7W–.10 10 4.6b,3.4s 34 7-151
IDC V 12 15 57 55.3–.88 56.34S 25.70W 0 4.4b,4.2 **¶610690138**
NEIC V 12 15 57 56.7–1.5 56.35S–.06 25.7W–.20 10–1 4.6b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 13 04 06 16.6–.45 56.35S–.07 25.85W–.09 10 4.8b,3.6s 108 6-161
IDC V 13 04 06 15.0–.71 56.26S 25.79W 0 4.4,4.4b **¶610638089**
NEIC V 13 04 06 16.3–1.3 56.3S–.10 25.7W–.20 10–1 4.9b,4.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 13 06 42 05.6–.80 56.0S–.10 25.7W–.10 10 4.6b,3.6s 31 6-151
IDC V 13 06 42 03.4–1.3 55.94S 25.30W 0 3.9,3.9b **¶610690177**
NEIC V 13 06 42 05.9–.80 56.12S–.06 25.7W–.20 10–1 4.7b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 13 11 46 37.0–.55 58.60S–.09 24.7W–.10 35 4.5b 42 8-149
IDC V 13 11 46 33.5–.77 58.35S 24.81W 0 4.8L,4.3 **¶610690191**
NEIC V 13 11 46 37.6–1.6 58.4S–.10 24.5W–.20 35–2 4.5b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 14 03 25 41.5–.66 56.4S–.10 25.9W–.10 50 4.5b 37 6-151
IDC V 14 03 25 34.8–1.1 56.25S 25.72W 0 4.3,4.3b **¶610690237**
NEIC V 14 03 25 42.8–2.5 56.5S–.10 26.1W–.20 59–8 4.6b,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 14 03 26 35.5–1.1 56.2S–.20 25.6W–.30 10 6 18-151
IDC V 14 03 26 34.1–1.3 56.19S 25.57W 0 4.1b,4.0 **¶610690240**
ISC Event type ke.
IDC Error ellipse: s-maj=59.1km s-min=38.3km az=53.0.
ISC V 14 12 37 25.7–.59 56.9S–.10 25.1W–.10 35 4.6b,3.6s 42 7-152
IDC V 14 12 37 20.4–.70 56.90S 25.21W 0 4.3b,4.2 **¶610690273**
NEIC V 14 12 37 25.4–1.0 57.0S–.10 25.3W–.20 28–6 4.6b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 15 08 22 53.9–.64 60.13S–.06 24.24W–.06 10–3 5.1b,4.1s 661 9-173
IDC V 15 08 22 52.8–.34 60.17S 24.34W 0 5.6L,4.8b **¶610667683**
NEIC V 15 08 22 54.5–3.0 60.17S–.08 24.2W–.20 10–1 5.1b,4.8b
MOS V 15 08 22 54.5–2.5 60.10S 24.10W 10 5.1b,4.8b
GCMT V 15 08 22 58.5–.20 60.26S–.03 23.38W–.04 19–0 5.0W,4.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s31,c36; s108,c142;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr-4.29±.22 Mθθ1.31±.14; Mφφ2.98±.16; Mrθ2.26±.32; Mθφ1.44±.09; Mφr-1.16±.34; Best double couple: NP1:φs232.00000°,δ51.00000°,λ-59.00000°. NP2:φs9.00000°,δ48.00000°,λ-122.00000°. Principal axes: T 3.8120,Plg1.0000° ,Azm301.0000°; N 1.5770,Plg23.0000°,Azm31.0000°; P -5.3890,Plg67.0000°,Azm208.0000° M0 4.60000×10^{16}
ISC V 15 17 02 06.2–.38 56.50S–.08 25.59W–.08 29 5.1b,4.3s 179 7-153
IDC V 15 17 02 01.9–.61 56.30S 25.29W 0 4.5b,4.4 **¶610639755**
NEIC V 15 17 02 03.9–2.4 56.6S–.10 25.6W–.20 10–1 5.1b,4.4
GCMT V 15 17 02 08.9–.40 56.25S–.04 25.12W–.04 28–1 5.0W,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s20,c22; s67,c85;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr3.40±.30 Mθθ-0.02±.23; Mφφ-3.39±.22; Mrθ-2.41±.36; Mθφ1.34±.11; Mφr0.41±.27; Best double couple: NP1:φs315.00000°,δ60.00000°,λ60.00000°. NP2:φs184.00000°,δ41.00000°,λ131.00000°. Principal axes: T 4.6540,Plg62.0000° ,Azm176.0000°; N -0.5880,Plg26.0000°,Azm331.0000°; P -4.0720,Plg10.0000° ,Azm66.0000° M0 4.36300×10^{16}
ISC V 15 21 12 23.8–.24 56.48S–.05 25.40W–.06 29 5.3b,5.3s 467 7-168
IDC V 15 21 12 19.8–.42 56.40S 25.29W 0 5.0s,4.9 **¶610639880**
BJI V 15 21 12 19.4–.00 55.86S 25.59W 10 5.5b,5.5s
NEIC V 15 21 12 20.8 55.68S 24.79W 14 5.5b,5.5s
MOS V 15 21 12 20.1–1.0 56.46S 25.54W 12 5.5b,5.1s
NEIC V 15 21 12 20.8 56.38S 25.33W 14 5.5b,5.1s
NEIC V 15 21 12 21.0–1.7 56.4S–.10 25.4W–.20 10–1 5.5b,5.3
GCMT V 15 21 12 29.0–.10 56.45S–.01 25.04W–.01 13–0 5.3W,5.3
ISC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2s2 Moment tensor: Scale 10^{17}Nm; Mrr0.70 Mθθ-0.11 Mφφ-0.59 Mrθ-0.52 Mθφ0.56 Mφr0.46 NP1:φs314.02000°,δ65.76000° ,λ76.62000°. NP2:φs164.11000°,δ27.49000°,λ117.20000°. Principal axes: T 0.9779,Plg67.0000°,Azm200.0000°; N 0.2176,Plg12.0000°,Azm320.0000° ; P -1.1955,Plg20.0000°,Azm54.0000° M0 1.09000×10^{17}
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s110,c180; s131,c227;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; Mrr0.80±.02 Mθθ-0.07±.01; Mφφ-0.72±.01; Mrθ-0.25±.03; Mθφ0.51±.01; Mφr0.90±.05; Best double couple: NP1:φs342.00000°,δ68.00000°,λ99.00000°. NP2:φs138.00000°,δ23.00000°,λ68.00000°. Principal axes: T 1.2160,Plg65.0000° ,Azm268.0000°; N 0.1730,Plg9.0000°,Azm158.0000°; P -1.3880,Plg23.0000°,Azm65.0000° M0 1.30200×10^{17}
ISC V 16 13 23 24.8–1.9 55.7S–.20 26.9W–.70 10 7 17-151
IDC V 16 13 23 18.1–2.0 56.29S 27.86W 0 4.0,4.0b **¶610690421**
ISC Event type ke.
IDC Error ellipse: s-maj=110.0km s-min=72.2km az=141.0.
ISC V 16 14 42 09.9–.31 56.47S–.07 25.47W–.07 29 5.0b,4.2s 292 7-176
IDC V 16 14 42 05.4–.50 56.33S 25.37W 0 4.6,4.6b **¶610641644**
MOS V 16 14 42 06.6–1.8 56.42S 25.50W 14 5.2b,4.6b
NEIC V 16 14 42 07.7–1.2 56.4S–.10 25.5W–.20 10–1 5.1b,4.6b
GCMT V 16 14 42 13.7–.40 56.49S–.05 25.17W–.06 28–0 5.0W,4.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s14,c14; s72,c89;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr4.84±.33 Mθθ-1.77±.21; Mφφ-3.07±.20; Mrθ-1.04±.36; Mθφ1.06±.09; Mφr0.54±.26; Best double couple: NP1:φs324.00000°,δ52.00000°,λ83.00000°.

NP2:ϕ_s156.00000°,δ39.00000°,λ99.00000°. Principal axes: T 5.0180,Plg81.0000° ,Azm198.0000°; N -1.2400,Plg6.0000°,Azm328.0000°; P -3.7770,Plg7.0000°,Azm59.0000° $M_0$4.39700$\times10^{16}$
ISC V 17 22 50 36.7–.69 56.4S–.10 25.2W–.10 40 4.7b 31 7-151
IDC V 17 22 50 31.3–1.1 56.37S 25.13W 0 4.1,4.1b **¶610690533**
NEIC V 17 22 50 32.5–2.7 56.5S–.10 25.3W–.10 10–1 4.7b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 19 02 04 50.1–.46 58.47S–.08 25.71W–.10 100 4.5b 44 7-152
IDC V 19 02 04 48.3–.81 58.39S 25.76W 75–6 4.6,4.2b **¶610690636**
NEIC V 19 02 04 49.3–1.9 58.5S–.10 25.7W–.20 88–7 4.6b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 19 04 49 54.4–.71 58.0S–.10 26.0W–.20 100 4.0b 14 17-152
IDC V 19 04 49 56.2–2.7 58.01S 25.89W 117–22 4.1,3.8b **¶610690644**
ISC Event type ke.
IDC Error ellipse: s-maj=22.9km s-min=19.4km az=171.0.
ISC V 20 07 15 00.4–.42 59.45S–.06 26.96W–.06 34–1 5.2b,3.9s 243 7-155
IDC V 20 07 14 54.6–.54 59.32S 27.18W 0 4.6,4.6b **¶610645720**
NEIC V 20 07 15 01.2–1.3 59.48S–.09 27.0W–.20 39–6 5.2b,4.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC V 22 03 08 26.6–2.1 56.49S 27.11W 0 3.7,3.7b
¶610685122
IDC Error ellipse: s-maj=85.2km s-min=44.9km az=6.0.
ISC V 25 05 38 53.8–.57 56.08S–.10 27.81W–.09 100 4.4b 46 5-151
IDC V 25 05 38 51.2–6.5 56.03S 27.56W 75–58 4.6L,4.3 **¶610685336**
NEIC V 25 05 38 53.1–1.4 56.1S–.10 27.7W–.20 90–9 4.5b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 25 18 19 51.4–.77 56.4S–.10 26.0W–.20 33 4.6b,3.7s 39 6-151
IDC V 25 18 19 46.4–.92 56.34S 25.60W 0 4.2,4.2b **¶610685384**
NEIC V 25 18 19 48.8–1.6 56.53S–.05 26.1W–.30 10–2 4.6b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 28 11 15 57.0–.78 56.0S–.10 27.7W–.10 112 4.2b 19 5-151
NEIC V 28 11 15 56.7–1.5 56.1S–.10 27.7W–.30 105–10 4.3b **¶610685551**
IDC V 28 11 16 00.7–6.9 56.09S 27.68W 143–63 4.2,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=24.8km s-min=16.9km az=223.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=30.5km s-min=22.6km az=71.0.
ISC V 29 04 55 28.1–.39 56.29S–.07 25.62W–.08 10 5.0b,4.1s 185 7-158
IDC V 29 04 55 26.9–.65 56.21S 25.55W 0 4.6,4.6b **¶610655459**
NEIC V 29 04 55 27.9–1.9 56.3S–.10 25.6W–.20 9–6 5.0b,4.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 29 08 17 48.0–.68 56.13S–.10 25.67W–.08 10 4.5b 61 6-151
IDC V 29 08 17 47.1–1.2 55.98S 25.26W 0 4.0,4.0b **¶610685600**
NEIC V 29 08 17 48.3–1.8 56.2S–.10 25.6W–.20 10–1 4.5b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 29 20 59 18.0–.78 56.1S–.10 27.7W–.10 100 4.0b 21 5-151
NEIC V 29 20 59 19.2–.36 56.2S–.10 27.8W–.20 110–12 4.0b **¶610685667**
IDC V 29 20 59 27.6–13 56.19S 27.23W 182–115 4.0,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=22.4km s-min=12.6km az=55.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=56.1km s-min=26.3km az=110.0.
ISC V 30 11 29 52.7–.30 58.62S–.04 26.24W–.05 92–2 5.5b 828 7-174
MOS V 30 11 29 47.1–.86 58.55S 26.10W 78 5.7b **¶610655790**
NEIC V 30 11 29 51.5 58.62S 26.09W 80 5.7b
NEIC V 30 11 29 51 58.63S 26.09W 70 5.7b
NEIC V 30 11 29 51.5 58.12S 24.75W 80 5.7b
NEIC V 30 11 29 51.8–1.7 58.63S–.08 26.2W–.20 76–1 5.7,5.7
BJI V 30 11 29 52.1–.00 58.60S 26.10W 98 5.3b,5.7
IDC V 30 11 29 52.7–.66 58.60S 26.16W 89–5 5.3,5.0b
GCMT V 30 11 29 54.8–.10 58.93S–.01 25.56W–.01 93–0 5.7W,5.0b
ISC Event type se.
NEIC Event type se.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 3s6 Moment tensor: Scale 10^{17}Nm; M_{rr}1.47 $M_{\theta\theta}$-0.06 $M_{\phi\phi}$-1.41 $M_{r\theta}$0.14 $M_{\theta\phi}$-1.77 $M_{\phi r}$-3.05 NP1:ϕ_s182.87000°,δ76.90000° ,λ63.29000°. NP2:ϕ_s68.62000°,δ29.53000°,λ152.62000°. Principal axes: T 3.7251,Plg51.0000°,Azm63.0000°; N 0.1652,Plg26.0000°,Azm189.0000° ; P -3.8902,Plg27.0000°,Azm294.0000° $M_0$3.81000$\times10^{17}$
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}2.00 $M_{\theta\theta}$-0.67 $M_{\phi\phi}$-1.32 $M_{r\theta}$-0.75 $M_{\theta\phi}$-2.18 $M_{\phi r}$-3.48 NP1:ϕ_s195.42000°,δ74.51000°,λ67.89000°. NP2:ϕ_s72.09000°,δ26.78000° ,λ143.63000°. Principal axes: T 4.2540,Plg55.0000°,Azm78.0000°; N 0.5078,Plg21.0000° ,Azm202.0000°; P -4.7619,Plg26.0000°,Azm303.0000° $M_0$4.53000$\times10^{17}$
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s148,c287; s156,c298;Duration: 1s7 Moment tensor: Scale 10^{17}Nm; M_{rr}1.71±.03 $M_{\theta\theta}$-1.10±.04; $M_{\phi\phi}$-0.60±.04; $M_{r\theta}$-0.50±.03; $M_{\theta\phi}$-1.93±.04; $M_{\phi r}$-3.07±.03; Best double couple: NP1:ϕ_s197.00000°,δ75.00000°,λ63.00000°. NP2:ϕ_s81.00000°,δ30.00000°,λ150.00000°. Principal axes: T 3.9370,Plg52.0000° ,Azm76.0000°; N 0.0400,Plg26.0000°,Azm204.0000°; P -3.9760,Plg26.0000°,Azm308.0000° $M_0$3.95600$\times10^{17}$
ISC V 31 20 32 25.8–.85 57.3S–.10 25.1W–.20 15 4.1b 18 15-152
IDC V 31 20 32 23.4–1.1 57.22S 25.02W 0 3.9,3.9b **¶610685816**
NEIC V 31 20 32 25.4–1.1 57.29S–.09 25.1W–.30 10–2 4.3b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VI 03 22 50 23.6–1.2 59.89S 26.19W 0 3.7,3.7b
¶610791194
IDC Error ellipse: s-maj=54.0km s-min=35.7km az=81.0.
ISC VI 04 14 37 55.9–1.0 55.6S–.20 26.6W–.30 38 4.0b 13 17-150
IDC VI 04 14 37 50.1–1.1 55.59S 26.44W 0 4.1b,4.0 **¶610791238**
ISC Event type ke.
IDC Error ellipse: s-maj=57.9km s-min=19.5km az=66.0.
ISC VI 04 15 06 52.2–.86 58.1S–.10 25.1W–.20 40 4.2b,3.1s 32 7-152
IDC VI 04 15 06 40.3–.80 57.98S 25.26W 0 4.5L,3.9 **¶610791239**
NEIC VI 04 15 06 45.1–1.0 58.0S–.10 25.2W–.20 35–1 4.3b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 04 19 21 00.3–.80 59.5S–.10 25.3W–.10 10 4.6b 39 8-153
IDC VI 04 19 20 58.6–.96 59.21S 25.45W 0 4.9L,4.3 **¶610791252**
NEIC VI 04 19 21 00.4–2.0 59.4S–.10 25.3W–.20 10–2 4.8b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 05 06 37 09.4–.96 57.7S–.20 26.0W–.30 65 3.8b 12 15-152
IDC VI 05 06 37 00.8–1.1 57.64S 25.77W 0 3.7,3.7b **¶610791269**
ISC Event type ke.
IDC Error ellipse: s-maj=55.3km s-min=25.9km az=80.0.
ISC VI 06 03 22 04.3–.61 60.69S–.09 25.9W–.10 28 4.8b,3.2s 37 9-154
IDC VI 06 03 22 01.4–1.1 60.49S 26.23W 0 4.0,4.0b **¶610791312**
NEIC VI 06 03 22 05.3–1.7 60.7S–.10 26.1W–.30 35–10 4.9b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 11 17 38 48.8–.99 59.3S–.10 25.6W–.20 35 4.3b 14 13-150
IDC VI 11 17 38 43.5–1.2 58.92S 25.95W 0 5.0L,4.4 **¶610791663**
ISC Event type ke.
IDC Error ellipse: s-maj=62.1km s-min=30.4km az=135.0.
ISC VI 12 02 04 50.5–.55 57.4S–.10 25.9W–.10 65 4.5b 55 7-155
IDC VI 12 02 04 42.1–.76 57.32S 25.84W 0 4.3,4.3b **¶610791691**
NEIC VI 12 02 04 51.2–1.0 57.4S–.10 26.0W–.30 69–6 4.5b,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 12 03 09 28.6–1.1 57.7S–.20 24.7W–.30 10 3.9b 8 15-152
IDC VI 12 03 09 42.4–15 57.69S 24.94W 123–143 3.8,3.4b **¶610791693**
ISC Event type ke.
IDC Error ellipse: s-maj=48.8km s-min=33.5km az=81.0.
ISC VI 15 02 27 09.7–1.2 55.8S–.20 27.7W–.30 112 4 17-150
IDC VI 15 02 26 55.0–4.2 56.02S 27.46W 0 3.9,3.9b **¶610791902**
ISC Event type ke.
IDC Error ellipse: s-maj=144.6km s-min=50.8km az=169.0.
ISC VI 15 10 41 02.3–.61 55.62S–.08 28.1W–.10 26 4.8b,3.1s 46 5-151
IDC VI 15 10 40 58.7–.84 55.60S 28.11W 0 4.4,4.4b **¶610675175**
NEIC VI 15 10 41 00.2–1.2 55.7S–.10 28.2W–.20 10–1 4.8b,4.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 19 12 17 27.1–.65 56.3S–.10 25.7W–.10 35 4.8b,3.4s 47 6-151
IDC VI 19 12 17 21.7–.81 56.31S 25.63W 0 4.3,4.3b **¶610792191**
NEIC VI 19 12 17 27.3–1.4 56.4S–.10 25.8W–.20 39–8 4.9b,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 19 22 11 19.2–.53 56.38S–.09 25.10W–.09 40 4.8b 59 7-152
IDC VI 19 22 11 14.0–.66 56.33S 25.09W 0 4.4,4.4b **¶610792216**
NEIC VI 19 22 11 15.6–1.7 56.5S–.10 25.2W–.20 10–1 4.9b,4.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 20 10 29 37.3–.60 56.34S–.09 25.9W–.10 33 4.8b 64 6-151
IDC VI 20 10 29 32.1–.79 56.22S 25.48W 0 4.2,4.2b **¶610789157**
NEIC VI 20 10 29 37.8–2.0 56.45S–.08 26.0W–.20 35–2 4.9b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 20 12 54 34.9–.41 56.21S–.05 26.95W–.06 52–3 5.3b,4.1s 737 6-176
GCMT VI 20 12 54 34.9–.30 56.24S–.03 26.34W–.03 47–1 5.0W,4.1s **¶610760974**
BJI VI 20 12 54 35.5–.00 56.30S 27.00W 60 5.4b,5.1s
NEIC VI 20 12 54 35.9–1.4 56.26S–.07 27.0W–.10 56–3 5.3b,5.1s
IDC VI 20 12 54 39.4–2.3 56.21S 26.95W 91–19 5.1,4.7b
ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s42,c49; s83,c113;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.73±.23 $M_{\theta\theta}$0.09±.23; $M_{\phi\phi}$-2.82±.16; $M_{r\theta}$0.63±.16; $M_{\theta\phi}$2.16±.12; $M_{\phi r}$1.90±.13; Best double couple: NP1:ϕ_s358.00000°,δ62.00000°,λ122.00000°. NP2:ϕ_s124.00000°,δ41.00000°,λ45.00000°. Principal axes: T 3.7970,Plg59.0000° ,Azm315.0000°; N 0.4620,Plg28.0000°,Azm161.0000°; P -4.2580,Plg12.0000°,Azm65.0000° $M_0$4.02700$\times10^{16}$
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=10.5km az=56.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=15.3km s-min=11.1km az=52.0.
ISC VI 20 13 02 29.4–.38 56.02S–.05 27.46W–.06 91–2 5.1b 615 5-176
NEIC VI 20 13 02 29.4–1.1 56.08S–.04 27.5W–.20 85–4 5.2b **¶610686597**
IDC VI 20 13 02 32.0–1.3 56.05S 27.58W 110–10 5.0,4.6b
GCMT VI 20 13 02 32.4–.20 56.14S–.01 27.16W–.03 91–2 5.1W,4.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s51,c64; s117,c176;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.89±.15 $M_{\theta\theta}$-0.20±.20; $M_{\phi\phi}$-2.69±.17; $M_{r\theta}$-3.51±.10; $M_{\theta\phi}$3.35±.14; $M_{\phi r}$-0.82±.09; Best double couple: NP1:ϕ_s290.00000°,δ67.00000°,λ47.00000°. NP2:ϕ_s178.00000°,δ48.00000°,λ148.00000°. Principal axes: T 5.9730,Plg49.0000° ,Azm153.0000°; N -0.6870,Plg39.0000°,Azm311.0000°; P -5.2830,Plg11.0000° ,Azm50.0000° $M_0$5.62800$\times10^{16}$
ISC VI 23 11 53 54.0–.76 60.32S–.10 24.5W–.10 10 4.5b,3.4s 37 9-154
IDC VI 23 11 53 53.0–1.5 60.41S 24.87W 0 4.1,4.1b **¶610789342**
NEIC VI 23 11 53 55.8–1.1 60.3S–.10 24.9W–.20 10–2 4.6b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(154) South Shetland Islands.

ISC I 25 07 17 40.7–1.7 60.4S–.40 52.4W–.30 10 4.0b 7 23-151
IDC I 25 07 17 39.8–2.0 60.32S 52.21W 0 4.0,4.0b **¶610235307**
ISC Event type ke.
IDC Error ellipse: s-maj=84.8km s-min=28.1km az=44.0.

(732) East of South Sandwich Islands.

ISC III 04 20 11 49.8–.47 59.13S–.09 17.78W–.10 10 4.9b,4.3s 92 11-156
IDC III 04 20 11 48.7–.74 58.89S 17.79W 0 4.3,4.3b **¶610245365**
NEIC III 04 20 11 49.8–1.8 59.12S–.09 17.7W–.20 10–1 5.0b,4.3b
GCMT III 04 20 11 51.8–.20 59.26S–.01 17.42W–.02 17–1 5.1W,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s42,c48; s120,c168;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.29±.16 $M_{\theta\theta}$-1.90±.16; $M_{\phi\phi}$2.19±.13; $M_{r\theta}$2.17±.42; $M_{\theta\phi}$4.75±.11; $M_{\phi r}$-0.47±.33; Best double couple: NP1:ϕ_s257.00000°,δ82.00000°,λ-21.00000°. NP2:ϕ_s350.00000°,δ69.00000°,λ-171.00000°. Principal axes: T 5.4360,Plg9.0000° ,Azm305.0000°; N 0.3730,Plg67.0000°,Azm56.0000°; P -5.8130,Plg21.0000°,Azm212.0000° $M_0$5.62500$\times10^{16}$
ISC III 18 03 13 07.6–.45 59.25S–.08 17.69W–.09 10 4.5b,4.0s 58 11-152
IDC III 18 03 13 06.1–.57 59.10S 17.85W 0 5.5L,4.2 **¶610345841**
NEIC III 18 03 13 08.1–1.8 59.3S–.10 17.7W–.20 9–3 4.7b,4.2
GCMT III 18 03 13 10.1–.20 59.25S–.01 17.31W–.02 13–1 5.0W,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s31,c36; s120,c168;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.47±.11 $M_{\theta\theta}$-0.85±.11; $M_{\phi\phi}$1.32±.10; $M_{r\theta}$1.24±.31; $M_{\theta\phi}$3.46±.09; $M_{\phi r}$-0.14±.24; Best double couple: NP1:ϕ_s260.00000°,δ83.00000°,λ-19.00000°. NP2:ϕ_s352.00000°,δ71.00000°,λ-173.00000°. Principal axes: T 3.9520,Plg8.0000° ,Azm308.0000°; N -0.1990,Plg70.0000°,Azm61.0000°; P -3.7530,Plg18.0000° ,Azm215.0000° $M_0$3.85200$\times10^{16}$
ISC III 27 10 48 50.2–.45 59.14S–.08 17.69W–.09 10 4.8s,4.8b 64 11-153
IDC III 27 10 48 48.4–.56 59.17S 17.78W 0 5.6L,4.8s **¶610440784**
NEIC III 27 10 48 51.0–1.4 59.1S–.10 17.7W–.20 10–1 5.3,5.0
NEIC III 27 10 48 51.3 59.09S 17.76W 10 5.3,5.0
GCMT III 27 10 48 54.0–.20 59.21S–.01 17.36W–.02 14–1 5.4W,5.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.02 $M_{\theta\theta}$0.12 $M_{\phi\phi}$-0.13 $M_{r\theta}$0.34 $M_{\theta\phi}$0.95 $M_{\phi r}$0.29 NP1:ϕ_s95.80000°,δ75.21000°,λ16.32000°. NP2:ϕ_s1.53000°,δ74.24000°,λ164.62000°. Principal axes: T 1.1343,Plg22.0000°,Azm319.0000°; N -0.1627,Plg68.0000°,Azm137.0000° ; P -0.9716,Plg1.0000°,Azm229.0000° $M_0$1.06000$\times10^{17}$
NEIC Event type se.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s61,c92; s123,c212;Duration: 1s2
Moment tensor: Scale 10^{17}Nm; M_{rr}-0.00±.03 $M_{\theta\theta}$-0.46±.04; $M_{\phi\phi}$0.46±.03; $M_{r\theta}$0.14±.07; $M_{\theta\phi}$1.37±.03; $M_{\phi r}$-0.02±.06; Best double couple: NP1:ϕ_s261.00000°,δ88.00000°,λ-5.00000°. NP2:ϕ_s351.00000°,δ85.00000°,λ-178.00000°. Principal axes: T 1.4500,Plg3.0000° ,Azm306.0000°; N 0.0050,Plg84.0000°,Azm63.0000°; P -1.4550,Plg5.0000°,Azm216.0000° $M_0$1.45300×10^{17}
ISC IV 17 14 33 01.4–.46 59.58S–.08 20.19W–.09 10 4.8b,3.8s 62 10-155
IDC IV 17 14 33 00.1–.65 59.62S 20.33W 0 4.7L,4.4 **¶610529489**
NEIC IV 17 14 33 01.8–1.3 59.6S–.10 20.3W–.20 10–1 4.9b,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

SEISMIC REGION 11.
New Zealand Region.

(158) Off west coast of North Island.
ISC V 28 02 42 51.5–1.1 40.00S–.02 173.07E–.03 11–10 171 1-8
WEL V 28 02 42 52.5–.48 40S–2.0 173E–4.0 6–4 4.7L,4.4 **¶611401218**
NOU V 28 02 42 53.5 39.97S 172.85E 28 4.4,4.4
ISC Event type ke.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=112.0. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU Off W. Coast of N. Island, N.Z.

(159) North Island.
WEL I 01 19 48 55.4 39S–2.0 175E–3.0 25–4 3.8L,3.4
¶614537867
WEL Event type se. smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID smi:org.gfz-potsdam.de/geofon/nz3drx. manual. confirmed.
ISC I 02 09 12 55.1–1.0 38.63S–.02 176.22E–.02 3–8 3.2s 172 0-154
WEL I 02 09 12 00 38.60S 176.19E 5 4.0W,3.8L **¶610236455**
WEL I 02 09 12 54.7–.47 39S–2.0 176E–2.0 4–2 4.3L,4.0
NOU I 02 09 12 55.3 38.63S 176.20E 0 4.2,4.0
IDC I 02 09 12 57.1–3.4 37.73S 177.27E 56–24 4.0,3.8b
ISC Event type ke.
WEL Moment Tensor Solution. s11 Moment tensor: Scale 10^{15}Nm; M_{rr}-1.05 $M_{\theta\theta}$0.34 $M_{\phi\phi}$0.70 $M_{r\theta}$-0.04 $M_{\theta\phi}$0.47 $M_{\phi r}$0.60 NP1:ϕ_s49.00000°,δ34.00000°,λ-64.00000°. NP2:ϕ_s198.00000° ,δ60.00000°,λ-107.00000°. Principal axes: T 113.1700,Plg13.0000°,Azm300.0000° ; N 12.1500,Plg14.0000°,Azm206.0000°; P -125.3200,Plg70.0000°,Azm71.0000° $M_0$1.19000×10^{15}
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=86.1. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU North Island, New Zealand.
IDC Error ellipse: s-maj=59.7km s-min=36.6km az=38.0.
ISC I 02 12 21 56.1–.74 38.79S–.03 177.39E–.04 69–5 4.4b 208 0-146
IDC I 02 12 21 52.5–4.5 38.94S 177.58E 34–24 4.5L,4.4 **¶610236465**
NOU I 02 12 21 53.6 38.95S 177.59E 85 4.3,4.4
NEIC I 02 12 21 55.4–1.2 38.93S–.07 177.57E–.09 62–7 4.4b,4.4
WEL I 02 12 21 56.4–1.1 39S–4.0 177E–4.0 51–8 4.4L,4.0
ISC Event type se.
NOU North Island, New Zealand.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC I 04 06 00 05.3–.82 39.92S–.03 174.70E–.03 122–5 178 0-151
NOU I 04 06 00 04.5 39.87S 174.65E 128 4.4 **¶610236674**
IDC I 04 06 00 05.1–1.8 39.85S 174.67E 90–19 3.8,3.5b
WEL I 04 06 00 07.5–.64 40S–3.0 175E–4.0 93–6 4.5L,4.2
ISC Event type se.
NOU North Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC I 04 07 39 22.0–.78 40.70S–.03 176.31E–.03 29–3 4.2b 183 0-147
WEL I 04 07 39 00 40.60S 176.15E 34 4.1W,4.1L **¶610236680**
IDC I 04 07 39 17.2–3.3 40.78S 176.38E 0 4.2b,4.0
NOU I 04 07 39 20.2 40.84S 176.59E 18 4.2,4.0
NEIC I 04 07 39 22.6–.76 40.75S–.07 176.3E–.10 27–4 4.1b,4.0
WEL I 04 07 39 23.7–.63 41S–3.0 176E–3.0 18–5 4.5L,4.2
ISC Event type se.
WEL Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.81 $M_{\theta\theta}$1.07 $M_{\phi\phi}$-1.88 $M_{r\theta}$0.16 $M_{\theta\phi}$0.47 $M_{\phi r}$0.23 NP1:ϕ_s128.00000°,δ69.00000°,λ15.00000°. NP2:ϕ_s33.00000° ,δ76.00000°,λ159.00000°. Principal axes: T -196.9800,Plg25.0000°,Azm350.0000° ; N 123.5400,Plg65.0000°,Azm181.0000°; P 73.4300,Plg5.0000°,Azm82.0000° $M_0$1.60000×10^{15}
NOU North Island, New Zealand.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC I 08 05 07 07.9–1.4 40.27S–.03 176.65E–.04 52–7 102 0-7
NOU I 08 05 07 06.9 40.17S 176.77E 11 3.8 **¶612488335**
WEL I 08 05 07 07.6–1.0 40S–4.0 177E–5.0 41–8 3.5L,3.2
ISC Event type se.
NOU North Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC I 08 10 14 36.4–1.5 39.78S–.04 174.76E–.04 138–8 139 0-6
NOU I 08 10 14 36.6 39.74S 174.74E 145 3.7 **¶612488337**
WEL I 08 10 14 39.5–.74 40S–4.0 175E–4.0 108–7 3.3,3.3
ISC Event type se.
NOU North Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL I 09 11 11 11.7–.79 40S–4.0 177E–5.0 14–6 3.8L,3.3
¶614538561
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC I 10 02 51 51.4–.57 38.51S–.04 175.85E–.04 191–4 4.4b 267 0-154
WEL I 10 02 51 00 38.41S 175.93E 195 4.7L,4.5W **¶610050775**
NOU I 10 02 51 50.4 38.50S 175.81E 195 4.8,4.5W
IDC I 10 02 51 50.3–.40 37.93S 176.16E 188–4 4.5,4.0b
NEIC I 10 02 51 51.3–1.9 38.58S–.06 175.92E–.08 187–3 4.5b,4.4
WEL I 10 02 51 53.1–.51 38S–3.0 176E–3.0 168–4 5.3b,4.7
ISC Event type se.
WEL Moment Tensor Solution. s5 Moment tensor: Scale 10^{15}Nm; M_{rr}6.36 $M_{\theta\theta}$-2.53 $M_{\phi\phi}$-3.83 $M_{r\theta}$2.68 $M_{\theta\phi}$-5.07 $M_{\phi r}$0.79 NP1:ϕ_s205.00000°,δ38.00000°,λ65.00000°. NP2:ϕ_s56.00000° ,δ56.00000°,λ109.00000°. Principal axes: T -866.7200,Plg72.0000°,Azm12.0000° ; N 151.9300,Plg15.0000°,Azm225.0000°; P 714.7900,Plg9.0000°,Azm133.0000° $M_0$7.91000×10^{15}
NOU North Island, New Zealand.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC I 10 20 08 37.8–.72 38.38S–.04 176.16E–.04 189–5 3.9b 223 0-151
IDC I 10 20 08 36.5–.77 38.58S 176.55E 185–6 4.0,3.4b **¶610237103**
NEIC I 10 20 08 37.3–2.5 38.41S–.04 176.23E–.08 190–6 4.0b,3.4b
WEL I 10 20 08 41.1–.76 38S–4.0 176E–4.0 155–6 3.5,3.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC I 18 14 45 53.9–1.4 40.90S–.04 175.10E–.04 79–7 114 0-7
WEL I 18 14 45 56.0–.48 41S–4.0 175E–3.0 50–5 3.3L,3.0 **¶612488439**
NOU I 18 14 45 55.4 40.92S 175.07E 57 3.9L,3.0
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=150.7. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU North Island, New Zealand.
ISC I 20 03 03 48.9–1.8 39.57S–.07 174.13E–.06 225–11 147 0-8
NOU I 20 03 03 50.1 39.57S 174.18E 220 4.0 **¶612488453**
WEL I 20 03 03 52.9–.76 40S–6.0 174E–6.0 196–6 3.3L,3.2
ISC Event type se.
NOU North Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL I 25 06 10 18.7 42S–3.0 175E–3.0 12–3 2.2L,2.0
¶614539663
WEL Event type se. smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID smi:org.gfz-potsdam.de/geofon/nz3drx. manual. confirmed.
ISC I 25 07 28 32.0–1.7 39.15S–.05 174.69E–.05 232–9 133 0-7
NOU I 25 07 28 32.9 39.11S 174.66E 236 3.6 **¶612488506**
WEL I 25 07 28 37.2–.52 39S–4.0 175E–4.0 193–4 3.3,3.3
ISC Event type se.
NOU North Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC I 29 00 51 04.3–.91 38.02S–.03 177.45E–.03 62–6 134 0-152
IDC I 29 00 51 04.3–2.0 38.20S 177.39E 60–10 3.5,3.0b **¶610235603**
NOU I 29 00 51 04.2 38.17S 177.61E 59 3.9,3.0b
WEL I 29 00 51 05.7 38S–3.0 177E–3.0 46–5 3.9L,3.6
ISC Event type se.
NOU North Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID smi:org.gfz-potsdam.de/geofon/nz3drx. manual. confirmed.
ISC I 30 00 21 16.2–.89 40.94S–.02 175.50E–.03 28–5 106 0-5
NOU I 30 00 21 07.6 41.42S 176.26E 121 3.7 **¶612488578**
WEL I 30 00 21 15.9–.28 41S–2.0 175E–2.0 17–2 3.8L,3.5
ISC Event type se.
NOU Off E. Coast of N. Island, N.Z.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL I 30 18 20 02.5–.47 41S–3.0 175E–3.0 23–3 2.8L,2.5
¶614540023
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC I 31 06 31 19.3–1.4 39.99S–.03 174.47E–.04 100–9 129 0-8
NOU I 31 06 31 19.3 40.01S 174.52E 98 3.8 **¶612488591**
WEL I 31 06 31 20.5–.64 40S–3.0 174E–4.0 81–8 3.8L,3.5
ISC Event type se.
NOU Cook Strait, New Zealand.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC II 01 08 22 57.2–1.5 38.04S–.04 176.87E–.04 100–8 108 0-4
NOU II 01 08 22 55.3 38.11S 176.88E 136 3.6 **¶612488607**
WEL II 01 08 22 58.7–.53 38S–4.0 177E–3.0 74–5 3.2L,3.0
ISC Event type se.
NOU North Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC II 02 11 25 17.9–2.2 37.48S–.09 176.65E–.08 245–11 132 0-10
WEL II 02 11 25 22.3–.79 37S–4.0 177E–4.0 208–7 3.5,3.5 **¶612488621**
NOU II 02 11 25 25.0 37.48S 176.65E 179 3.4,3.5
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=49.3. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU North Island, New Zealand.
WEL II 03 12 46 22.3 38S–14 177E–12 43–21 2.1L,2.1
¶616203814
WEL smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID smi:org.gfz-potsdam.de/geofon/nz3drx. automatic.
ISC II 06 16 13 29.7–1.7 39.60S–.05 174.61E–.04 164–10 156 0-8
NOU II 06 16 13 31.1 39.61S 174.57E 162 4.0 **¶612488671**
WEL II 06 16 13 34.3–.63 40S–4.0 175E–4.0 123–5 3.6L,3.5
ISC Event type se.
NOU North Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL II 09 08 27 46.0–.79 40S–4.0 177E–6.0 37–7 1.8L,1.5
¶614540557
WEL smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL II 10 04 05 00.6 38S–8.0 176E–12 163–15 4.3b,3.4
¶614540611
WEL smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID smi:org.gfz-potsdam.de/geofon/nz3drx. automatic.
WEL II 10 14 14 13.9 41S–4.0 176E–6.0 30–8 2.0,2.0
¶616072519
WEL smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID smi:org.gfz-potsdam.de/geofon/nz3drx. automatic.
ISC II 15 19 06 54.6–1.4 38.24S–.03 177.69E–.04 79–7 133 0-7
NOU II 15 19 06 55.5 38.27S 177.73E 48 3.4 **¶612488759**
WEL II 15 19 06 56.1 38S–3.0 178E–4.0 62–5 3.5L,3.3
ISC Event type se.
NOU North Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID smi:org.gfz-potsdam.de/geofon/nz3drx. manual. confirmed.
ISC II 15 22 28 31.1–1.7 38.90S–.06 174.99E–.05 241–10 129 0-8
NOU II 15 22 28 32.6 38.87S 174.93E 237 3.7 **¶612488761**
WEL II 15 22 28 36.6–.68 39S–4.0 175E–4.0 201–5 2.8,2.8
ISC Event type se.
NOU North Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC II 19 17 24 57.6–1.7 38.70S–.05 175.49E–.05 204–9 140 0-7
NOU II 19 17 24 58.0 38.73S 175.47E 207 3.5 **¶612488818**
WEL II 19 17 25 02.3–.50 39S–3.0 176E–4.0 167–4 3.0,3.0
ISC Event type se.
NOU North Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC II 20 05 51 53.9–1.1 39.96S–.02 175.09E–.03 34–2 144 0-7
NOU II 20 05 51 53.0 39.96S 175.09E 86 3.5 **¶612488824**
WEL II 20 05 51 53.4–.28 40S–2.0 175E–3.0 23–3 4.0L,3.6
ISC Event type se.
NOU North Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC II 20 21 49 54.2–.98 38.91S–.02 175.69E–.02 10 66 0-3
WEL II 20 21 49 53.4 39S–1.0 176E–2.0 8–1 2.8L,2.6 **¶612488831**
ISC Event type ke.
WEL smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID smi:org.gfz-potsdam.de/geofon/nz3drx. automatic.
ISC II 21 08 20 27.7–.79 38.92S–.02 175.71E–.02 11–5 161 0-154
IDC II 21 08 20 24.8–1.4 39.43S 176.01E 0 3.7,3.7b **¶610384735**
NOU II 21 08 20 27.9 38.89S 175.73E 4 3.9,3.7b
WEL II 21 08 20 27.3 38.9S–.90 176E–2.0 9–1 3.9L,3.6
ISC Event type se.
NOU North Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID smi:org.gfz-potsdam.de/geofon/nz3drx. manual. confirmed.
ISC II 21 08 35 58.9–.85 38.89S–.02 175.71E–.02 8–5 3.4s 171 0-154
IDC II 21 08 35 57.3–1.1 38.96S 175.78E 0 4.0b,3.9 **¶610384737**
WEL II 21 08 35 58.4 38.9S–1.0 176E–2.0 10–1 4.1L,3.8

NOU II 21 08 35 59.2 38.85S 175.73E 5 4.4,3.8
ISC Event type se.
IDC Error ellipse: s-maj=38.0km s-min=12.3km az=150.0.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=78.9.
smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID
smi:org.gfz-potsdam.de/geofon/nz3drx. manual. confirmed.
NOU North Island, New Zealand.
ISC II 21 10 11 32.0–1.8 39.17S–.07 174.85E–.06 239–10 190 0-9
NOU II 21 10 11 33.2 39.17S 174.88E 232 3.9 **¶612488841**
WEL II 21 10 11 36.3–.65 39S–4.0 175E–5.0 206–4 3.4,3.4
ISC Event type se.
NOU North Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL II 21 19 43 12.0 41S–2.0 176E–4.0 25–5 3.6L,3.4
¶614541317
WEL Event type se. smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID
smi:org.gfz-potsdam.de/geofon/nz3drx. manual. confirmed.
ISC II 21 20 29 00.2–.97 38.89S–.02 175.68E–.02 5–9 131 0-6
WEL II 21 20 28 59.6 38.9S–.90 176E–2.0 9–1 3.6L,3.4 **¶612488847**
NOU II 21 20 29 01.1 38.82S 175.73E 0 3.6,3.4
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=82.9.
smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID
smi:org.gfz-potsdam.de/geofon/nz3drx. manual. confirmed.
NOU North Island, New Zealand.
ISC II 22 04 27 07.5–1.7 38.83S–.05 175.79E–.05 157–9 117 0-7
NOU II 22 04 27 02.9 38.60S 176.04E 192 3.6 **¶612488851**
WEL II 22 04 27 11.0 39S–5.0 176E–6.0 124–9 2.7,2.7
ISC Event type ke.
NOU North Island, New Zealand.
WEL smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID
smi:org.gfz-potsdam.de/geofon/nz3drx. automatic.
WEL II 22 12 26 35.7 39S–39 177E–29 5–34 2.9L,2.5
¶614541377
WEL Event type se. smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID
smi:org.gfz-potsdam.de/geofon/nz3drx. automatic. confirmed.
ISC II 23 01 18 06.1–1.7 38.97S–.05 175.64E–.05 153–10 104 0-7
NOU II 23 01 18 05.0 38.92S 175.74E 163 3.5 **¶612488861**
WEL II 23 01 18 09.6 39S–5.0 176E–7.0 121–9 2.7,2.7
ISC Event type ke.
NOU North Island, New Zealand.
WEL smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID
smi:org.gfz-potsdam.de/geofon/nz3drx. automatic.
ISC II 28 04 16 19.4–1.8 38.22S–.06 175.94E–.06 241–10 177 0-8
NOU II 28 04 16 21.1 38.27S 175.97E 242 3.8 **¶612488935**
WEL II 28 04 16 25.6–.55 38S–3.0 176E–4.0 195–4 3.0,3.0
ISC Event type se.
NOU North Island, New Zealand.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL III 01 19 00 54.4–.51 40S–3.0 177E–3.0 39–5 3.1L,3.0
¶616232493
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC III 03 19 09 09.6–1.0 40.17S–.02 175.93E–.02 34–2 117 0-7
NOU III 03 19 09 06.4 40.32S 176.24E 88 3.6 **¶612489000**
WEL III 03 19 09 08.8–.45 40S–2.0 176E–3.0 34–5 3.9L,3.5
ISC Event type se.
NOU North Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC III 04 05 24 18.2–1.0 39.64S–.02 176.24E–.02 18–3 114 0-3
NOU III 04 05 24 15.6 39.07S 178.45E 137 4.0 **¶612489004**
WEL III 04 05 24 18.6–.65 40S–2.0 176E–2.0 26–7 3.3L,3.0
ISC Event type se.
NOU Off E. Coast of N. Island, N.Z.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC III 04 09 29 26.7–1.9 38.55S–.07 175.27E–.05 265–10 169 0-9
NOU III 04 09 29 27.9 38.51S 175.26E 265 4.0 **¶612489006**
WEL III 04 09 29 32.6–.54 38S–5.0 175E–4.0 222–4 3.3,3.3
ISC Event type se.
NOU North Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL III 05 15 22 58.3–.77 39S–5.0 175E–5.0 59–5 2.0L,1.7
¶614542031
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC III 05 22 45 44.6–2.4 37.7S–.10 176.11E–.08 317–13 119 1-9
NOU III 05 22 45 44.0 37.55S 176.21E 333 4.1 **¶612489018**
WEL III 05 22 45 50.7–.81 38S–9.0 176E–8.0 270–8 2.9,2.9
ISC Event type se.
NOU North Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC III 06 11 14 19.7–1.0 39.87S–.03 176.98E–.04 50–6 178 0-153
IDC III 06 11 14 15.9–2.1 39.72S 176.74E 0 3.5,3.5b **¶610545655**
NOU III 06 11 14 19.7 39.84S 176.92E 34 3.8,3.5b
WEL III 06 11 14 20.2–.63 40S–3.0 177E–4.0 32–6 4.2L,3.8
ISC Event type se.
NOU North Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC III 06 22 18 35.5–.99 40.35S–.02 176.25E–.03 18–4 101 0-6
NOU III 06 22 18 34.7 40.48S 176.64E 31 3.2 **¶612489024**
WEL III 06 22 18 35.7–.43 40S–3.0 176E–3.0 16–4 3.7L,3.4
ISC Event type se.
NOU North Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC III 08 12 13 12.3–.99 39.43S–.02 175.05E–.02 29–8 124 0-7
WEL III 08 12 13 11.9–.25 39S–3.0 175E–2.0 17–2 3.7L,3.4 **¶612489037**
NOU III 08 12 13 11.7 39.41S 175.05E 22 3.9,3.4
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=174.5.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU North Island, New Zealand.
ISC III 11 10 49 15.6–.94 39.34S–.02 174.79E–.02 31–7 148 0-8
WEL III 11 10 49 14.9–.37 39S–4.0 175E–2.0 19–5 4.3L,4.0 **¶612489069**
NOU III 11 10 49 15.6 39.30S 174.76E 32 4.1,4.0
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=177.4.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU North Island, New Zealand.
ISC III 11 11 02 39.9–.94 39.33S–.02 174.81E–.02 30–7 104 0-7
WEL III 11 11 02 39.0–.36 39S–4.0 175E–2.0 19–4 3.7L,3.4 **¶612489070**
NOU III 11 11 02 39.6 39.28S 174.82E 22 3.5,3.4
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=179.6.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU North Island, New Zealand.
ISC III 12 10 14 53.3–.70 40.34S–.03 176.42E–.04 51–5 4.7b 228 0-153
WEL III 12 10 14 00 40.28S 176.33E 42 4.6L,4.3W **¶610546072**
IDC III 12 10 14 46.7–.96 40.31S 176.42E 0 4.6b,4.4
NOU III 12 10 14 52.9 40.37S 176.37E 49 4.6,4.4
NEIC III 12 10 14 52.9–2.1 40.31S–.03 176.41E–.09 43–7 4.6b,4.2
NEIC III 12 10 14 53 40.34S 176.36E 45 4.6b,4.2
WEL III 12 10 14 53.3–.35 40S–3.0 176E–3.0 32–3 4.9L,4.6
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s24.46943°,δ63.03613°,λ-146.19011°. NP2: ϕ_s277.57813°,δ60.26759°,λ-31.47806°. Principal axes: T Plg1.7230°,Azm150.4699° ; N Plg47.7795°,Azm58.5702°; P Plg42.1684°,Azm242.0312°
WEL Moment Tensor Solution. s5 Moment tensor: Scale 10^{15}Nm; M_{rr}-2.67 $M_{\theta\theta}$0.38 $M_{\phi\phi}$2.29 $M_{r\theta}$0.86 $M_{\theta\phi}$1.82 $M_{\phi r}$-2.12 NP1:ϕ_s237.00000°,δ39.00000°,λ-44.00000°. NP2:ϕ_s4.00000° ,δ64.00000°,λ-121.00000°. Principal axes: T -396.4000,Plg14.0000°,Azm115.0000° ; N 24.2200,Plg27.0000°,Azm18.0000°; P 372.1700,Plg59.0000°,Azm230.0000° $M_0$3.84000×10^{15}
NOU North Island, New Zealand.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-0.95 $M_{\theta\theta}$1.37 $M_{\phi\phi}$-0.42 $M_{r\theta}$0.52 $M_{\theta\phi}$1.63 $M_{\phi r}$-0.86 NP1:ϕ_s277.28000°,δ63.83000°,λ-29.75000°. NP2:ϕ_s21.42000°,δ63.55000° ,λ-150.49000°. Principal axes: T 2.3355,Plg0.0000°,Azm329.0000°; N -0.1343,Plg51.0000° ,Azm60.0000°; P -2.2012,Plg39.0000°,Azm239.0000° $M_0$2.27000×10^{15}
NEIC Event type se.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC III 12 15 53 18.6–.93 39.33S–.02 174.79E–.02 29–8 124 0-6
WEL III 12 15 53 17.8–.34 39S–4.0 175E–2.0 18–4 3.9L,3.6 **¶612489084**
NOU III 12 15 53 18.7 39.28S 174.75E 30 3.5,3.6
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=0.7.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU North Island, New Zealand.
WEL III 13 18 41 47.5–.52 40S–3.0 177E–3.0 15–4 3.9L,3.5
¶614542461
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC III 17 20 22 01.4–.73 38.89S–.03 177.47E–.04 56–5 4.3b 207 0-151
IDC III 17 20 21 53.0–1.4 39.02S 177.85E 0 4.2b,4.1 **¶610546409**
NEIC III 17 20 21 57.6–2.0 39.01S–.05 177.6E–.10 19–7 4.2b,4.1
NOU III 17 20 21 59.7 38.97S 177.62E 34 4.2,4.1
WEL III 17 20 22 02.0–.39 39S–3.0 177E–3.0 32–4 4.6L,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU North Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC III 18 04 51 44.6–2.2 37.17S–.09 176.91E–.08 256–12 147 1-9
NOU III 18 04 51 44.5 37.09S 177.00E 269 3.7 **¶612489141**
WEL III 18 04 51 51.1–.79 37S–6.0 177E–5.0 206–7 3.1,3.1
ISC Event type se.
NOU Off E. Coast of N. Island, N.Z.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL III 18 05 43 18.9 38S–5.0 176E–6.0 65–15 2.7L,2.5
¶614542678
WEL smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID
smi:org.gfz-potsdam.de/geofon/nz3drx. automatic.
WEL III 18 13 50 46.0 39S–2.0 175E–3.0 11–3 1.5,1.5
¶614542700
WEL Event type se. smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID
smi:org.gfz-potsdam.de/geofon/nz3drx. manual. confirmed.
ISC III 18 20 09 45.8–.75 40.42S–.03 176.32E–.04 49–5 4.0b,3.4s 189 0-152
WEL III 18 20 09 00 40.38S 176.25E 38 4.5L,4.1W **¶610546472**
IDC III 18 20 09 38.7–1.3 40.56S 176.38E 0 4.0b,3.9
NOU III 18 20 09 43.7 40.56S 176.61E 56 4.5,3.9
WEL III 18 20 09 45.9–.28 40S–2.0 176E–3.0 29–2 4.8L,4.5
ISC Event type ke.
WEL Moment Tensor Solution. s5 Moment tensor: Scale 10^{15}Nm; M_{rr}-1.89 $M_{\theta\theta}$0.48 $M_{\phi\phi}$1.41 $M_{r\theta}$-1.28 $M_{\theta\phi}$0.03 $M_{\phi r}$-0.13 NP1:ϕ_s167.00000°,δ44.00000°,λ-124.00000°. NP2:ϕ_s30.00000° ,δ55.00000°,λ-62.00000°. Principal axes: T -245.3100,Plg6.0000°,Azm100.0000° ; N 102.2400,Plg23.0000°,Azm192.0000°; P 143.0700,Plg66.0000°,Azm357.0000° $M_0$1.94000×10^{15}
NOU North Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC III 19 22 17 20.5–1.2 40.43S–.03 176.80E–.04 16–7 86 0-6
NOU III 19 22 17 20.5 40.51S 176.93E 34 3.2 **¶612489164**
WEL III 19 22 17 22.5–.67 40S–3.0 177E–4.0 15–5 3.6L,3.3
ISC Event type se.
NOU North Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC III 20 19 50 37.1–.98 40.16S–.03 176.65E–.03 26–6 88 0-6
NOU III 20 19 50 34.4 40.16S 177.19E 0 3.5 **¶612489177**
WEL III 20 19 50 36.9–.39 40S–3.0 177E–3.0 18–3 3.5L,3.2
ISC Event type se.
NOU Off E. Coast of N. Island, N.Z.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC III 23 05 53 30.0–1.6 38.80S–.05 175.65E–.05 160–8 148 0-8
NOU III 23 05 53 31.0 38.82S 175.69E 155 3.5 **¶612489201**
WEL III 23 05 53 34.1–.54 39S–4.0 176E–4.0 124–4 3.2,3.2
ISC Event type se.
NOU North Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL III 23 17 32 02.9–.29 38S–2.0 178E–3.0 25–3 3.5L,3.1
¶614542974
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC III 25 13 49 40.6–.98 39.54S–.05 174.24E–.05 236–6 3.4b 177 0-151
IDC III 25 13 49 42.7–.98 39.45S 174.30E 198–13 3.8,3.2b **¶610543644**
WEL III 25 13 49 45.0–.56 39S–3.0 174E–4.0 204–4 4.0,4.0
ISC Event type se.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL III 26 14 06 01.7–.52 41S–3.0 175E–2.0 16–3 2.4L,2.1
¶614543122
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL III 27 08 14 03.5–1.1 39S–6.0 176E–3.0 47–10 1.8L,1.5
¶614543177
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC III 28 12 25 13.5–2.3 37.52S–.10 176.52E–.08 279–12 108 1-9
NOU III 28 12 25 14.3 37.43S 176.44E 279 3.7 **¶612489275**
WEL III 28 12 25 20.1–.73 37S–7.0 176E–6.0 226–7 2.9L,2.8
ISC Event type se.
NOU North Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL III 29 02 33 49.3 38.9S–.90 176E–2.0 8–1 3.6L,3.3
¶614543311
WEL Event type se. smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID
smi:org.gfz-potsdam.de/geofon/nz3drx. manual. confirmed.
WEL III 29 03 11 53.6–.26 39S–2.0 176E–2.0 5 3.6L,2.6
¶614543337
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL III 29 03 12 05.9–.87 39S–5.0 176E–5.0 3–4 3.5,3.5
¶614543334
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC III 29 03 17 56.1–.93 38.86S–.03 175.73E–.03 13–6 31 0-2

NOU III 29 03 17 49.5 38.60S 176.40E 0 3.3 ¶612489284
WEL III 29 03 17 56.8 39S–1.0 176E–2.0 6–2 2.8L,2.5
ISC Event type se.
NOU North Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID
smi:org.gfz-potsdam.de/geofon/nz3drx. manual. confirmed.
WEL III 29 03 47 49.7–1.4 39S–9.0 176E–8.0 4–6 4.2L,1.2
¶614543359
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL III 29 03 48 14.4 38.9S–.90 176E–2.0 9–1 3.7L,3.4
¶614543362
WEL Event type se. smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID
smi:org.gfz-potsdam.de/geofon/nz3drx. manual. confirmed.
ISC III 29 23 37 26.9–2.1 37.49S–.08 176.65E–.07 270–11 152 0-9
NOU III 29 23 37 27.6 37.43S 176.71E 275 3.8 ¶612489300
WEL III 29 23 37 33.1–.67 37S–4.0 177E–5.0 222–5 3.3,3.3
ISC Event type se.
NOU North Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL III 29 23 58 43.0–.66 39S–4.0 176E–6.0 5 4.8L,2.8
¶616343063
WEL smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC III 29 23 58 49.8–.81 38.93S–.02 175.70E–.03 11–5 79 0-164
WEL III 29 23 58 00 38.92S 175.71E 8 4.7W,4.5L ¶610452491
NEIC III 29 23 58 48.5–1.2 38.80S–.04 175.70E–.06 5–7 4.6,4.5L
IDC III 29 23 58 48.3–1.3 38.92S 175.73E 0 4.7b,4.3
WEL III 29 23 58 49.4 39S–1.0 176E–2.0 6–3 4.8L,4.5
NEIC III 29 23 58 49.6 38.84S 175.74E 10 4.8L,4.5
ISC Event type se.
WEL Moment Tensor Solution. s10 Moment tensor: Scale 10^{16}Nm; Mrr-1.34 Mθθ0.19 Mφφ1.15
Mrθ0.28 Mθφ0.67 Mφr0.14 NP1:φs18.00000°,δ41.00000°,λ-103.00000°. NP2:φs215.00000°
,δ51.00000°,λ-79.00000°. Principal axes: T 1516.7700,Plg5.0000°,Azm297.0000°
; N -122.7500,Plg9.0000°,Azm27.0000°; P -1394.0300,Plg80.0000°,Azm177.0000°
M0 1.46000×10^{16}
NEIC Event type se. Error ellipse: s-maj=7.3km s-min=4.9km az=225.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{16}Nm; Mrr-0.95 Mθθ0.11 Mφφ0.84 Mrθ0.14 Mθφ0.52
Mφr-0.18 NP1:φs220.65000°,δ43.92000°,λ-70.31000°. NP2:φs14.23000°,δ49.23000°
,λ-107.97000°. Principal axes: T 1.1149,Plg3.0000°,Azm117.0000°; N -0.1063,Plg14.0000°
,Azm26.0000°; P -1.0086,Plg76.0000°,Azm218.0000° M0 1.07000×10^{16}
IDC Error ellipse: s-maj=49.4km s-min=14.3km az=151.0.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=71.3.
smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID
smi:org.gfz-potsdam.de/geofon/nz3drx. manual. confirmed.
NEIC Event type se.
WEL III 30 01 14 29.5 39S–2.0 176E–3.0 7–2 1.4L,1.1
¶614543547
WEL Event type se. smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID
smi:org.gfz-potsdam.de/geofon/nz3drx. manual. confirmed.
WEL III 30 08 11 05.7 39S–1.0 176E–2.0 8–1 2.0L,1.8
¶614543612
WEL Event type se. smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID
smi:org.gfz-potsdam.de/geofon/nz3drx. manual. confirmed.
WEL III 30 08 28 32.0 39S–1.0 176E–3.0 5–2 2.1L,0.8
¶614543621
WEL Event type se. smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID
smi:org.gfz-potsdam.de/geofon/nz3drx. manual. confirmed.
ISC III 30 11 57 14.4–.90 38.90S–.02 175.66E–.02 7–7 149 0-6
WEL III 30 11 57 13.5 38.9S–.80 176E–2.0 10–1 3.7L,3.4 ¶612489307
NOU III 30 11 57 14.9 38.84S 175.67E 0 3.7,3.4
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=78.6.
smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID
smi:org.gfz-potsdam.de/geofon/nz3drx. manual. confirmed.
NOU North Island, New Zealand.
ISC IV 01 00 00 19.7–2.0 38.03S–.07 175.84E–.07 287–11 134 0-9
NOU IV 01 00 00 18.6 37.98S 176.04E 312 3.6 ¶612489333
WEL IV 01 00 00 25.6–.66 38S–5.0 176E–5.0 243–6 2.9,2.9
ISC Event type se.
NOU North Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 02 08 37 47.5–.60 41S–3.0 175E–2.0 18–4 2.8L,2.4
¶614543831
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 02 13 45 04.5–.35 41S–3.0 175E–2.0 12 2.8L,2.4
¶614543857
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 02 15 05 00.5 39S–1.0 176E–2.0 6–2 1.3L,1.0
¶614543876
WEL Event type se. smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID
smi:org.gfz-potsdam.de/geofon/nz3drx. manual. confirmed.
ISC IV 02 22 10 50.7–.94 37.59S–.06 176.52E–.06 209–6 3.5b 140 0-150
NOU IV 02 22 10 47.6 37.55S 176.66E 241 3.8 ¶610651778
IDC IV 02 22 10 49.6–1.7 37.28S 176.61E 189–8 3.8,3.2b
WEL IV 02 22 10 52.8–1.0 37S–8.0 177E–6.0 182–9 3.1,3.1
ISC Event type se.
NOU North Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC IV 03 09 19 40.1–2.0 37.74S–.08 176.37E–.06 231–10 172 0-10
WEL IV 03 09 19 46.3–.96 38S–7.0 176E–6.0 182–8 3.8,3.8 ¶612489367
NOU IV 03 09 19 55.0 38.69S 175.88E 188 4.2,3.8
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=25.2.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU North Island, New Zealand.
WEL IV 06 14 35 51.4–1.1 39S–2.0 177E–2.0 14–6 2.3L,2.1
¶614544126
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC IV 08 13 18 48.9–.54 39.17S–.04 174.82E–.04 229–4 4.2b 268 0-163
NEIC IV 08 13 18 48.5–2.0 39.15S–.07 174.9E–.10 228–8 4.2b ¶610523721
IDC IV 08 13 18 49.1–1.1 39.07S 174.88E 230–10 4.6,4.0b
WEL IV 08 13 18 51.2–.80 39S–13 175E–6.0 205–5 4.6,4.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC IV 09 10 57 58.3–1.1 41.73S–.04 175.38E–.04 15–6 4.1b,3.5s 162 0-153
WEL IV 09 10 57 00 41.62S 175.29E 19 4.8L,4.3W ¶610523765
IDC IV 09 10 57 58.5–1.3 41.48S 175.04E 0 4.0,4.0b
NEIC IV 09 10 57 58.2–.58 41.71S–.04 175.40E–.05 16–5 4.2b,4.0b
ISC Event type se.
WEL Moment Tensor Solution. s5 Moment tensor: Scale 10^{15}Nm; Mrr1.12 Mθθ-1.31 Mφφ0.20
Mrθ-0.32 Mθφ-3.83 Mφr1.18 NP1:φs274.00000°,δ70.00000°,λ167.00000°. NP2:φs8.00000°
,δ78.00000°,λ20.00000°. Principal axes: T -450.9500,Plg23.0000°,Azm233.0000°
; N 381.0300,Plg66.0000°,Azm37.0000°; P 69.9200,Plg5.0000°,Azm140.0000°
M0 4.16000×10^{15}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 09 11 15 57.2–1.4 41.77S–.05 175.37E–.04 10–10 89 0-5
NOU IV 09 11 15 57.0 41.80S 175.41E 0 3.4 ¶612489418
WEL IV 09 11 15 59.4 42S–3.0 175E–5.0 17–4 3.6L,3.4
ISC Event type se.
NOU North Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID
smi:org.gfz-potsdam.de/geofon/nz3drx. manual. confirmed.
WEL IV 09 18 36 39.7–.70 42S–5.0 175E–3.0 9–5 3.1L,2.8
¶614544316
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 10 19 21 27.0 40S–8.0 175E–12 132–22 4.0b,3.0
¶614544364
WEL smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID
smi:org.gfz-potsdam.de/geofon/nz3drx. automatic.
WEL IV 11 12 50 24.0–.45 40S–2.0 177E–3.0 25–4 3.5L,3.2
¶614544405
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC IV 12 01 55 57.2–1.2 38.67S–.04 176.12E–.04 119–6 151 0-154
NOU IV 12 01 55 55.2 38.59S 176.25E 137 3.7 ¶610652511
IDC IV 12 01 55 56.9–.88 38.86S 176.04E 84–19 3.8,3.4b
WEL IV 12 01 55 59.6–.74 39S–4.0 176E–4.0 90–7 3.6L,3.5
ISC Event type se.
NOU North Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 12 15 01 05.7 39S–9.0 176E–12 139–18 4.6b,3.8
¶614544459
WEL smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID
smi:org.gfz-potsdam.de/geofon/nz3drx. automatic.
WEL IV 13 11 06 55.7–.52 42S–5.0 175E–3.0 12–4 3.5L,3.1
¶614544487
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 13 12 41 26.9–.57 36S–8.0 174E–11 7–13 2.1,2.1
¶614544489
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 14 16 58 48.3–.29 39S–2.0 177E–2.0 5–3 3.7L,3.4
¶614544548
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC IV 15 00 50 33.9–1.1 41.70S–.04 175.26E–.04 17–7 62 0-4
NOU IV 15 00 50 33.6 41.78S 175.30E 0 3.3 ¶612489469
WEL IV 15 00 50 34.8–.53 42S–4.0 175E–3.0 12–4 3.2L,2.9
ISC Event type se.
NOU North Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 15 07 01 35.3–1.4 38S–8.0 176E–9.0 126–12 2.4L,2.1
¶614544564
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC IV 17 03 16 56.4–1.3 38.53S–.03 176.93E–.03 44–6 115 0-6
NOU IV 17 03 16 55.2 38.56S 176.97E 21 3.5 ¶612489491
WEL IV 17 03 16 55.3–.21 39S–2.0 177E–2.0 35–3 2.9L,2.6
ISC Event type se.
NOU North Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC IV 17 05 32 47.3–.76 39.95S–.02 176.98E–.03 32–5 4.2b 204 0-153
WEL IV 17 05 32 00 39.87S 176.93E 32 4.6L,4.4W ¶610652913
IDC IV 17 05 32 43.6–.91 39.89S 176.90E 0 4.9s,3.9
NEIC IV 17 05 32 44.5–2.2 39.92S–.02 176.84E–.06 12–5 4.4b,4.2
NOU IV 17 05 32 45.9 39.84S 177.20E 0 4.7,4.2
NEIC IV 17 05 32 45.2 39.89S 176.83E 16 4.7,4.2
WEL IV 17 05 32 47.9–.43 40S–3.0 177E–4.0 25–3 4.9L,4.6
ISC Event type se.
WEL Moment Tensor Solution. s6 Moment tensor: Scale 10^{15}Nm; Mrr0.68 Mθθ-2.91 Mφφ2.22
Mrθ-1.92 Mθφ-1.70 Mφr-2.64 NP1:φs118.00000°,δ42.00000°,λ172.00000°. NP2:φs213.00000°
,δ85.00000°,λ48.00000°. Principal axes: T -478.5700,Plg36.0000°,Azm88.0000°
; N 57.2300,Plg42.0000°,Azm217.0000°; P 421.3400,Plg28.0000°,Azm335.0000°
M0 4.50000×10^{15}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{15}Nm; Mrr-0.88 Mθθ0.58 Mφφ0.29 Mrθ-1.20 Mθφ0.79
Mφr-1.83 NP1:φs33.93000°,δ77.82000°,λ-100.06000°. NP2:φs254.00000°,δ15.75000°
,λ-51.01000°. Principal axes: T 2.5644,Plg32.0000°,Azm132.0000°; N -0.2495,Plg10.0000°
,Azm36.0000°; P -2.3149,Plg56.0000°,Azm291.0000° M0 2.45000×10^{15}
NOU Off E. Coast of N. Island, N.Z.
NEIC Event type se.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 17 09 25 17.3–.63 40S–3.0 177E–5.0 22–4 3.1L,2.8
¶614544681
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC IV 17 15 51 16.3–1.0 39.90S–.03 177.00E–.04 29–5 88 0-6
WEL IV 17 15 51 16.2–.66 40S–3.0 177E–6.0 22–4 3.5L,3.2 ¶612489496
NOU IV 17 15 51 21.8 39.32S 177.10E 1 3.5,3.2
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=103.7.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU Off E. Coast of N. Island, N.Z.
ISC IV 17 17 42 31.6–1.7 38.50S–.05 175.99E–.05 189–9 212 0-10
NEIC IV 17 17 42 33.7–1.5 38.55S–.09 175.94E–.06 178–9 4.1L ¶610529586
NOU IV 17 17 42 33.2 38.55S 176.01E 188 4.1
WEL IV 17 17 42 37.0–.68 38S–4.0 176E–4.0 146–5 3.3,3.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU North Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC IV 19 03 08 40.9–.36 38.56S–.02 177.67E–.02 30–2 5.1b,4.0s 431 0-165
WEL IV 19 03 08 00 38.51S 177.69E 32 5.1L,5.0W ¶615092591
NOU IV 19 03 08 38.5 38.76S 177.91E 17 5.3b,5.0W
NEIC IV 19 03 08 39.5 38.71S 177.93E 27 5.3b,5.0W
NEIC IV 19 03 08 39.7–2.1 38.71S–.04 177.93E–.06 29–4 5.0,5.0b
BJI IV 19 03 08 40.0–.00 38.60S 177.70E 30 5.7b,5.1b
MOS IV 19 03 08 41.0–1.2 38.41S 177.61E 33 5.2b,5.1b
IDC IV 19 03 08 43.7–1.4 38.27S 177.53E 46–8 4.8,4.7L
GCMT IV 19 03 08 46.4–.30 38.39S–.02 177.77E–.02 31–1 5.0W,4.7L
ISC Event type se.
WEL Moment Tensor Solution. s9 Moment tensor: Scale 10^{16}Nm; Mrr0.35 Mθθ0.63 Mφφ-0.98
Mrθ0.03 Mθφ3.23 Mφr0.84 NP1:φs97.00000°,δ76.00000°,λ1.00000°. NP2:φs7.00000°
,δ89.00000°,λ166.00000°. Principal axes: T -3611.9200,Plg11.0000°,Azm322.0000°
; N 3259.2900,Plg76.0000°,Azm183.0000°; P 352.6300,Plg9.0000°,Azm53.0000°
M0 3.44000×10^{16}
NOU North Island, New Zealand.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{16}Nm; Mrr0.07 Mθθ1.04 Mφφ-1.11 Mrθ1.72 Mθφ3.93
Mφr1.25 NP1:φs5.17000°,δ73.10000°,λ163.48000°. NP2:φs100.10000°,δ74.21000°
,λ17.59000°. Principal axes: T 4.9618,Plg23.0000°,Azm323.0000°; N -0.8516,Plg67.0000°
,Azm141.0000°; P -4.1102,Plg1.0000°,Azm232.0000° M0 4.60000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function. Moment Tensor Solution. s32,c36; s89,c116;Duration: 0
Moment tensor: Scale 10^{16}Nm; Mrr0.80±.19 Mθθ1.24±.15; Mφφ-2.03±.16; Mrθ0.72±.23;
Mθφ3.27±.10; Mφr2.49±.24; Best double couple: NP1:φs10.00000°,δ83.00000°,λ143.00000°.
NP2:φs105.00000°,δ54.00000°,λ9.00000°. Principal axes: T 4.4010,Plg30.0000°

,Azm321.0000°; N 0.2610,Plg53.0000°,Azm180.0000°; P -4.6570,Plg19.0000°,Azm63.0000°
$M_0$4.52900×10[16]
WEL IV 23 18 11 37.0–.60 40S–6.0 175E–6.0 33 2.2L,1.7 ¶614545017
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC IV 24 07 45 57.9–.67 37.45S–.06 176.68E–.05 197–5 4.2b 224 0-155
NOU IV 24 07 45 53.7 37.39S 176.77E 230 4.6 ¶610547889
IDC IV 24 07 45 54.4–1.7 36.95S 176.92E 175–7 4.4,3.9b
WEL IV 24 07 45 57.6–1.0 37S–5.0 177E–5.0 187–9 3.9,3.9
NEIC IV 24 07 45 58.8–1.1 37.69S–.10 176.5E–.10 199–7 4.2b,3.9
ISC Event type se.
NOU North Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL IV 25 04 05 56.6–.50 41S–4.0 175E–3.0 23–4 2.6L,2.2 ¶614545082
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC IV 28 09 13 45.5–.99 40.60S–.03 176.43E–.04 26–6 118 0-6
NOU IV 28 09 13 34.2 41.16S 177.30E 0 4.0 ¶612489596
WEL IV 28 09 13 45.8–.42 41S–2.0 176E–3.0 17–3 3.8L,3.5
ISC Event type se.
NOU Off E. Coast of N. Island, N.Z.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC IV 28 18 15 27.0–.96 39.46S–.02 176.68E–.02 33–3 130 0-7
NOU IV 28 18 15 24.7 39.47S 176.83E 15 3.4 ¶612489600
WEL IV 28 18 15 26.0–.50 39S–3.0 177E–3.0 29–4 3.8L,3.5
ISC Event type se.
NOU North Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC V 03 22 40 57.4–1.4 38.72S–.05 175.75E–.05 150 57 0-7
NOU V 03 22 40 36.6 37.67S 176.33E 315 3.7 ¶612489640
WEL V 03 22 40 57.9–.89 39S–6.0 176E–7.0 148–8 2.5,2.5
ISC Event type se.
NOU North Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC V 05 07 03 48.6–1.7 38.35S–.05 176.13E–.05 190–9 155 0-8
NOU V 05 07 03 49.6 38.37S 176.13E 192 3.7 ¶612489650
WEL V 05 07 03 53.7–.73 38S–5.0 176E–4.0 149–6 2.9,2.9
ISC Event type se.
NOU North Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL V 05 09 39 05.8–1.4 38S–14 176E–34 171–16 3.0,3.0 ¶614545497
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC V 06 12 32 01.9–1.6 39.17S–.05 175.18E–.05 163–9 177 0-9
NOU V 06 12 32 03.2 39.18S 175.14E 158 4.1 ¶612489662
WEL V 06 12 32 05.7–.39 39S–3.0 175E–3.0 132–3 3.5,3.5
ISC Event type se.
NOU North Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC V 10 02 51 06.0–.00 40.05S–.03 176.63E–.03 23–6 103 0-9
NOU V 10 02 51 01.5 40.17S 177.28E 6 3.4 ¶612489678
WEL V 10 02 51 05.8 40S–2.0 177E–3.0 16–3 3.7L,3.3
ISC Event type se.
NOU Off E. Coast of N. Island, N.Z.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID
smi:org.gfz-potsdam.de/geofon/nz3drx. manual. confirmed.
ISC V 10 09 00 36.4–1.5 37.9S–.10 176.04E–.09 300 75 0-8
NOU V 10 09 00 31.1 37.54S 176.33E 340 3.5 ¶612489679
WEL V 10 09 00 37.8–1.0 38S–7.0 176E–9.0 277–9 2.9,2.9
ISC Event type se.
NOU North Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC V 10 19 27 35.7–.92 37.44S–.06 176.71E–.06 204–6 3.8b 164 0-150
NOU V 10 19 27 32.3 37.32S 176.87E 226 4.1 ¶610689984
WEL V 10 19 27 35.9–.98 37S–5.0 177E–6.0 186–9 3.9,3.9
IDC V 10 19 27 37.0–.81 37.49S 176.22E 176–8 4.0,3.5b
ISC Event type se.
NOU North Island, New Zealand.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=50.3.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=22.0km s-min=19.6km az=57.0.
ISC V 12 20 38 35.5–1.8 38.67S–.05 175.50E–.06 203–9 105 0-7
NOU V 12 20 38 36.6 38.65S 175.55E 206 3.9 ¶612489698
WEL V 12 20 38 41.0–.73 39S–5.0 176E–5.0 159–7 2.9,2.9
ISC Event type se.
NOU North Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC V 13 14 44 34.1–1.0 38.87S–.03 177.28E–.03 33–8 139 0-7
NOU V 13 14 44 32.8 38.91S 177.37E 19 3.8 ¶612489704
WEL V 13 14 44 34.4 39S–2.0 177E–2.0 32–4 3.7L,3.5
ISC Event type se.
NOU North Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID
smi:org.gfz-potsdam.de/geofon/nz3drx. manual. confirmed.
WEL V 13 15 18 57.6 40S–2.0 176E–3.0 33–4 3.6L,3.3 ¶614545843
WEL Event type se. smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID
smi:org.gfz-potsdam.de/geofon/nz3drx. manual. confirmed.
ISC V 15 02 42 31.6–1.5 39.60S–.04 174.44E–.04 131–8 150 0-8
NOU V 15 02 42 32.9 39.62S 174.44E 115 3.9 ¶612489718
WEL V 15 02 42 34.0–.80 40S–5.0 174E–4.0 105–8 3.9L,3.7
ISC Event type se.
NOU North Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL V 17 11 32 45.6–2.1 40S–6.0 176E–7.0 15–21 2.0L,1.7 ¶614546008
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC V 19 06 24 24.2–.83 40.04S–.03 176.59E–.03 25–6 119 0-147
IDC V 19 06 24 20.6–3.3 40.01S 176.50E 0 3.6,3.5b ¶610690647
WEL V 19 06 24 24.1–1.3 40S–3.0 177E–3.0 14–8 4.4L,4.0
NOU V 19 06 24 24.0 40.07S 176.79E 27 4.0,4.0
ISC Event type se.
IDC Error ellipse: s-maj=76.6km s-min=23.0km az=126.0.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=130.4.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU North Island, New Zealand.
ISC V 21 22 04 49.8–1.5 38.98S–.04 176.04E–.04 103–7 146 0-7
NOU V 21 22 04 50.7 39.03S 176.05E 94 4.0 ¶612489779
WEL V 21 22 04 51.6–.79 39S–5.0 176E–5.0 77–6 3.4L,3.1
ISC Event type se.
NOU North Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC V 23 17 00 28.0–1.9 37.1S–.10 176.99E–.09 286–9 180 1-11
NOU V 23 17 00 30.0 37.05S 176.95E 283 3.9 ¶612489791
WEL V 23 17 00 35.0–.84 37S–6.0 177E–6.0 232–7 3.3,3.3
ISC Event type se.
NOU North Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC V 23 23 40 38.2–.92 40.50S–.02 176.03E–.03 32–5 82 0-4
NOU V 23 23 40 29.0 40.97S 177.26E 7 3.4 ¶612489796
WEL V 23 23 40 37.7–.50 40S–2.0 176E–3.0 23–4 3.1L,2.7
ISC Event type se.
NOU Off E. Coast of N. Island, N.Z.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC V 24 03 55 19.8–.95 37.65S–.02 175.59E–.02 8–8 113 0-9
WEL V 24 03 55 19.8–.21 38S–2.0 176E–2.0 2–2 3.4L,3.2 ¶612489798
NOU V 24 03 55 19.4 37.63S 175.52E 0 3.7,3.2
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=65.0.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU North Island, New Zealand.
WEL V 24 05 19 09.0–.37 38S–2.0 176E–2.0 3–2 2.7L,2.5 ¶614546307
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC V 25 00 19 40.4–.79 40.62S–.02 175.80E–.02 33–2 3.9b 201 0-152
IDC V 25 00 19 34.4–1.2 40.56S 175.86E 0 4.0b,3.8 ¶610685327
NOU V 25 00 19 39.0 40.77S 176.14E 63 4.1,3.8
NEIC V 25 00 19 40.7–1.6 40.67S–.02 175.81E–.06 39–7 4.0b,3.8
WEL V 25 00 19 40.5–.28 41S–2.0 176E–2.0 26–2 4.4L,4.1
ISC Event type se.
NOU North Island, New Zealand.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC V 26 03 05 54.2–.87 38.94S–.02 175.68E–.03 9–6 3.6b 52 0-98
IDC V 26 03 05 43.5–1.9 35.35S 177.40E 0 3.7,3.7b ¶610685401
WEL V 26 03 05 54.1 39S–1.0 176E–2.0 5–1 2.4L,2.1
ISC Event type ke.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID
smi:org.gfz-potsdam.de/geofon/nz3drx. manual. confirmed.
ISC V 26 04 05 53.0–.93 38.96S–.02 175.68E–.02 4–7 116 0-7
NOU V 26 04 05 45.9 38.11S 176.24E 14 3.9 ¶612489823
WEL V 26 04 05 52.1 39S–1.0 176E–2.0 7–2 3.1L,2.9
ISC Event type se.
NOU North Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID
smi:org.gfz-potsdam.de/geofon/nz3drx. manual. confirmed.
ISC V 26 04 49 41.1–.94 38.95S–.02 175.67E–.02 6–7 88 0-4
NOU V 26 04 49 33.2 38.01S 176.29E 14 3.7 ¶612489824
WEL V 26 04 49 40.6 39S–1.0 176E–2.0 7–2 2.9L,2.6
ISC Event type se.
NOU North Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID
smi:org.gfz-potsdam.de/geofon/nz3drx. manual. confirmed.
ISC V 26 08 38 43.3–.82 38.92S–.02 175.69E–.02 12–5 100 0-4
NOU V 26 08 38 37.3 38.09S 176.34E 25 3.8 ¶614546481
WEL V 26 08 38 43.7–.78 39S–3.0 176E–7.0 5–3 3.6L,3.3
ISC Event type se.
NOU North Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC V 26 09 21 47.4–.97 38.91S–.02 175.71E–.02 3–10 135 0-5
WEL V 26 09 21 46.6 39S–1.0 176E–2.0 7–1 3.7L,3.4 ¶612489827
NOU V 26 09 21 47.9 38.86S 175.75E 0 3.6,3.4
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=69.6.
smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID
smi:org.gfz-potsdam.de/geofon/nz3drx. manual. confirmed.
NOU North Island, New Zealand.
ISC V 26 10 00 29.7–.91 38.95S–.02 175.69E–.02 6–7 136 0-5
WEL V 26 10 00 29.0 39.0S–1.0 176E–2.0 7–1 3.7L,3.4 ¶612489828
NOU V 26 10 00 30.4 38.84S 175.76E 0 3.7,3.4
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=75.1.
smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID
smi:org.gfz-potsdam.de/geofon/nz3drx. manual. confirmed.
NOU North Island, New Zealand.
WEL V 26 13 26 58.4 39S–2.0 176E–2.0 5–2 1.5L,1.2 ¶614546554
WEL Event type se. smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID
smi:org.gfz-potsdam.de/geofon/nz3drx. manual. confirmed.
WEL V 26 13 27 11.3–.79 40S–3.0 176E–4.0 26–6 1.6L,1.2 ¶614546557
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL V 26 13 42 55.1–.89 38S–2.0 177E–3.0 6–6 4.0L,3.6 ¶614546562
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC V 26 17 42 52.0–1.7 37.98S–.05 176.44E–.06 199–9 154 0-8
NOU V 26 17 42 53.8 38.04S 176.49E 200 3.7 ¶612489836
WEL V 26 17 42 57.6–1.0 38S–5.0 176E–7.0 154–8 2.6,2.6
ISC Event type se.
NOU North Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC V 27 00 19 20.8–1.9 38.11S–.07 176.24E–.06 193–10 153 0-9
NOU V 27 00 19 20.5 38.03S 176.22E 210 3.8 ¶614546594
WEL V 27 00 19 25.9–1.2 38S–11 176E–11 150–9 2.6,2.6
ISC Event type se.
NOU North Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL V 28 02 42 33.4–.54 39S–5.0 175E–2.0 20–6 2.9L,2.3 ¶617195320
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC V 28 03 23 21.8–.71 38.35S–.04 175.88E–.04 174–5 3.8b 166 0-154
NOU V 28 03 23 19.9 38.40S 175.85E 188 4.4 ¶610685534
IDC V 28 03 23 20.5–.51 37.99S 176.09E 170–8 4.0,3.5b
WEL V 28 03 23 23.1–.69 38S–4.0 176E–5.0 155–5 3.4,3.4
ISC Event type se.
NOU North Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC V 28 21 43 15.9–.92 38.94S–.02 175.67E–.02 4–7 115 0-5
NOU V 28 21 42 49.5 36.82S 176.61E 0 4.3 ¶612489868
WEL V 28 21 43 15.6 39.0S–.80 176E–1.0 5–1 3.5L,3.2
ISC Event type ke.
NOU Off E. Coast of N. Island, N.Z.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID
smi:org.gfz-potsdam.de/geofon/nz3drx. manual. confirmed.
WEL V 29 08 34 00.9 39S–2.0 176E–2.0 5–1 1.2L,0.8 ¶614546805
WEL Event type se. smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID
smi:org.gfz-potsdam.de/geofon/nz3drx. manual. confirmed.
ISC V 31 23 39 14.6–1.1 37.69S–.02 176.82E–.02 6–11 95 0-5
WEL V 31 23 39 14.4 38S–2.0 177E–2.0 9–2 3.6L,3.4 ¶612489906
NOU V 31 23 39 15.0 37.63S 176.89E 0 3.7,3.4

ISC Event type se.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=115.0. smi:nz.org.geonet/NonLinLoc. earthModelID smi:nz.org.geonet/nz3drx. manual. confirmed.
NOU North Island, New Zealand.
ISC VI 01 01 35 28.2–.98 37.72S–.02 176.79E–.02 8–8 3.8b 126 0-155
WEL VI 01 01 35 00 37.74S 176.79E 4 4.1L,3.9W **¶610791026**
IDC VI 01 01 35 26.2–2.5 37.60S 177.07E 0 3.9,3.9b
NOU VI 01 01 35 27.3 37.71S 176.70E 0 3.9,3.9b
WEL VI 01 01 35 28.2–.73 38S–5.0 177E–4.0 4–3 4.3L,4.1
ISC Event type ke.
WEL Moment Tensor Solution. s6 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.85 $M_{\theta\theta}$0.71 $M_{\phi\phi}$0.14 $M_{r\theta}$-0.47 $M_{\theta\phi}$0.27 $M_{\phi r}$-0.41 NP1:ϕ_s258.00000°,δ28.00000°,λ-72.00000°. NP2:ϕ_s57.00000°,δ64.00000°,λ-99.00000°. Principal axes: T 101.0300,Plg18.0000°,Azm154.0000°; N 6.2600,Plg9.0000°,Azm61.0000°; P -107.2900,Plg70.0000°,Azm307.0000° $M_0$1.04000×10^{15}
NOU North Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC VI 01 09 06 51.1–1.2 37.67S–.02 176.78E–.02 4–11 149 0-8
WEL VI 01 09 06 00 37.74S 176.78E 3 4.0W,4.0L **¶611401269**
WEL VI 01 09 06 51.8–.27 38S–2.0 177E–2.0 5 4.3L,4.0
NOU VI 01 09 06 51.1 37.66S 176.78E 0 4.0,4.0
ISC Event type ke.
WEL Moment Tensor Solution. s7 Moment tensor: Scale 10^{15}Nm; M_{rr}-1.15 $M_{\theta\theta}$1.16 $M_{\phi\phi}$-0.01 $M_{r\theta}$-0.77 $M_{\theta\phi}$0.24 $M_{\phi r}$-0.23 NP1:ϕ_s262.00000°,δ28.00000°,λ-84.00000°. NP2:ϕ_s76.00000°,δ62.00000°,λ-93.00000°. Principal axes: T 144.9700,Plg17.0000°,Azm168.0000°; N -139.3900,Plg2.0000°,Azm77.0000°; P -5.5800,Plg73.0000°,Azm340.0000° $M_0$1.42000×10^{15}
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=155.7. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU North Island, New Zealand.
WEL VI 01 13 41 29.0 38S–2.0 177E–2.0 10–2 3.5L,3.3
¶614547023
WEL Event type se. smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID smi:org.gfz-potsdam.de/geofon/nz3drx. manual. confirmed.
ISC VI 01 20 42 20.2–.77 38.35S–.04 176.02E–.04 189–5 3.8b 207 0-154
NOU VI 01 20 42 18.9 38.35S 176.06E 200 4.4 **¶610791067**
IDC VI 01 20 42 19.3–.61 38.61S 176.24E 177–7 4.2,3.5b
WEL VI 01 20 42 24.7 38S–5.0 176E–6.0 144–9 3.9,3.9
ISC Event type se.
NOU North Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID smi:org.gfz-potsdam.de/geofon/nz3drx. manual. confirmed.
ISC VI 02 16 29 25.0–1.9 38.48S–.07 175.85E–.06 214–10 178 0-9
NOU VI 02 16 29 27.2 38.51S 175.87E 203 3.9 **¶612489923**
WEL VI 02 16 29 29.9–.77 38S–4.0 176E–5.0 174–7 3.4,3.4
ISC Event type se.
NOU North Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC VI 02 22 24 11.0–1.9 38.01S–.06 176.23E–.05 201–10 117 0-8
NOU VI 02 22 24 11.9 38.01S 176.28E 206 3.5 **¶612489926**
WEL VI 02 22 24 16.6–1.1 38S–8.0 176E–6.0 154–8 3.3,3.3
ISC Event type se.
NOU North Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL VI 02 23 54 27.8–.38 40S–3.0 175E–3.0 20–5 2.7,2.7
¶614547123
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC VI 04 10 28 19.1–1.1 38.54S–.02 174.34E–.03 11–11 118 0-5
NOU VI 04 10 28 18.5 38.48S 174.24E 2 3.8 **¶612489937**
WEL VI 04 10 28 19.6–.79 39S–5.0 174E–5.0 12 3.9L,3.6
ISC Event type se.
NOU North Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC VI 04 18 49 41.7–1.4 39.74S–.03 176.91E–.04 59–7 93 0-7
NOU VI 04 18 49 40.2 39.80S 177.05E 63 4.0 **¶612489940**
WEL VI 04 18 49 42.8–.44 40S–3.0 177E–4.0 38–4 2.9L,2.6
ISC Event type se.
NOU Off E. Coast of N. Island, N.Z.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC VI 06 13 21 25.6–.96 38.75S–.04 175.87E–.04 125–6 152 0-151
IDC VI 06 13 21 12.2–6.1 36.30S 176.52E 0 3.5,3.5b **¶610791344**
WEL VI 06 13 21 27.1–.93 39S–5.0 176E–6.0 100–8 3.4,3.4
ISC Event type ke.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC VI 07 17 38 34.2–1.1 40.39S–.02 176.63E–.03 19–2 115 0-6
NOU VI 07 17 38 31.9 40.47S 176.93E 13 3.5 **¶612489971**
WEL VI 07 17 38 35.2–.58 40S–2.0 177E–3.0 14–4 3.8L,3.4
ISC Event type se.
NOU North Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL VI 08 08 16 34.5–.58 39S–3.0 176E–4.0 5–5 2.3L,2.1
¶614547394
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC VI 08 14 41 49.3–1.7 38.31S–.05 175.99E–.06 194–10 135 0-8
NOU VI 08 14 41 50.6 38.35S 176.03E 194 3.6 **¶612489979**
WEL VI 08 14 41 54.5–1.0 38S–4.0 176E–6.0 151–9 3.0,3.0
ISC Event type se.
NOU North Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC VI 09 08 28 30.6–1.6 38.72S–.04 175.74E–.05 180–8 166 0-7
NOU VI 09 08 28 32.0 38.77S 175.77E 178 3.8 **¶612489991**
WEL VI 09 08 28 35.4–.92 39S–7.0 176E–9.0 141–7 2.8L,2.7
ISC Event type se.
NOU North Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC VI 11 01 04 42.1–1.9 37.87S–.06 176.44E–.06 198–10 142 0-8
NOU VI 11 01 04 43.1 37.88S 176.40E 203 3.5 **¶612490000**
WEL VI 11 01 04 48.4–.83 38S–4.0 176E–4.0 147–7 2.6,2.6
ISC Event type se.
NOU North Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC VI 11 19 11 40.5–.95 37.36S–.05 176.64E–.06 226–6 3.3b 133 0-150
NOU VI 11 19 11 40.9 37.26S 176.71E 213 3.2 **¶610791667**
IDC VI 11 19 11 41.2–.95 37.42S 175.96E 193–14 3.7,3.1b
WEL VI 11 19 11 42.4–.77 37S–5.0 177E–5.0 202–6 3.1,3.1
ISC Event type se.
NOU North Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC VI 12 02 10 22.8–1.0 40.73S–.03 176.20E–.04 30–4 88 0-4
NOU VI 12 02 10 20.2 40.93S 176.50E 25 3.7 **¶612490013**
WEL VI 12 02 10 23.1–.34 41S–3.0 176E–3.0 23–3 4.0L,3.6
ISC Event type se.
NOU North Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC VI 14 23 08 44.1–.93 38.61S–.02 175.96E–.02 6–7 110 0-8
WEL VI 14 23 08 00 38.62S 175.97E 6 3.9W,3.5L **¶611401393**
WEL VI 14 23 08 43.1 38.6S–1.0 176E–1.0 8–1 3.8L,3.5
NOU VI 14 23 08 44.0 38.63S 175.97E 0 4.0,3.5
ISC Event type ke.
WEL Moment Tensor Solution. s6 Moment tensor: Scale 10^{14}Nm; M_{rr}-7.33 $M_{\theta\theta}$1.57 $M_{\phi\phi}$5.75 $M_{r\theta}$-0.27 $M_{\theta\phi}$6.13 $M_{\phi r}$-2.14 NP1:ϕ_s228.00000°,δ40.00000°,λ-72.00000°. NP2:ϕ_s25.00000°,δ52.00000°,λ-105.00000°. Principal axes: T 103.4000,Plg6.0000°,Azm125.0000°; N -25.9900,Plg11.0000°,Azm34.0000°; P -77.4000,Plg77.0000°,Azm244.0000° $M_0$9.04000×10^{14}
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=101.3. smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID smi:org.gfz-potsdam.de/geofon/nz3drx. manual. confirmed.
NOU North Island, New Zealand.
WEL VI 15 01 21 06.8–.56 39S–3.0 176E–3.0 4–2 3.6L,2.5
¶617233636
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC VI 15 01 21 45.5–1.3 38.60S–.02 176.21E–.02 0–10 3.9b 141 0-154
WEL VI 15 01 21 00 38.62S 176.20E 5 4.1W,3.8L **¶610791901**
WEL VI 15 01 21 44.2 38.6S–.90 176E–1.0 8–1 4.0L,3.8
IDC VI 15 01 21 45.8–.97 38.46S 176.20E 0 4.0,4.0b
NOU VI 15 01 21 46.2 38.65S 176.24E 0 3.9,4.0b
ISC Event type ke.
WEL Moment Tensor Solution. s4 Moment tensor: Scale 10^{15}Nm; M_{rr}-1.22 $M_{\theta\theta}$0.32 $M_{\phi\phi}$0.90 $M_{r\theta}$0.41 $M_{\theta\phi}$0.44 $M_{\phi r}$1.27 NP1:ϕ_s34.00000°,δ21.00000°,λ-77.00000°. NP2:ϕ_s201.00000°,δ69.00000°,λ-95.00000°. Principal axes: T 172.8000,Plg24.0000°,Azm295.0000°; N 10.5600,Plg4.0000°,Azm202.0000°; P -183.3600,Plg65.0000°,Azm103.0000° $M_0$1.78000×10^{15}
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=78.5. smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID smi:org.gfz-potsdam.de/geofon/nz3drx. manual. confirmed.
IDC Error ellipse: s-maj=35.3km s-min=9.4km az=167.0.
NOU North Island, New Zealand.
ISC VI 15 23 09 43.7–.87 39.35S–.02 174.81E–.02 28–7 164 0-151
IDC VI 15 23 09 41.0–1.6 39.21S 174.71E 0 3.5,3.5L **¶610791970**
WEL VI 15 23 09 42.8–.21 39S–2.0 175E–2.0 16–2 4.5L,4.2
NOU VI 15 23 09 43.4 39.31S 174.75E 27 4.0,4.2
ISC Event type se.
IDC Error ellipse: s-maj=53.5km s-min=21.9km az=160.0.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=166.9. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU North Island, New Zealand.
WEL VI 16 07 32 03.1 39S–10 175E–13 32–10 2.0L,2.0L
¶614547734
WEL smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID smi:org.gfz-potsdam.de/geofon/nz3drx. manual. confirmed.
WEL VI 22 04 29 17.4–1.6 39S–8.0 178E–6.0 22–19 2.1L,2.0
¶614548014
WEL smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL VI 22 04 29 24.6 39S–5.0 175E–5.0 23–4 1.4L,1.3
¶614548011
WEL Event type se. smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID smi:org.gfz-potsdam.de/geofon/nz3drx. manual. confirmed.
ISC VI 23 23 11 28.9–.97 40.71S–.03 175.92E–.03 28–5 73 0-3
NOU VI 23 23 11 26.1 40.95S 176.42E 43 3.5 **¶612490117**
WEL VI 23 23 11 28.7 41S–2.0 176E–3.0 25–4 3.1L,2.8
ISC Event type se.
NOU North Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID smi:org.gfz-potsdam.de/geofon/nz3drx. manual. confirmed.
ISC VI 24 11 58 11.6–.94 37.82S–.06 176.18E–.08 325–9 3.9b 173 0-145
NEIC VI 24 11 58 13.9–1.6 37.9S–.10 176.24E–.07 303–8 4.1b **¶610789385**
WEL VI 24 11 58 17.3–2.4 38S–5.0 176E–6.0 267–22 4.3,4.3
IDC VI 24 11 58 20.0–5.5 37.49S 176.30E 370–64 4.0,3.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.2km s-min=8.4km az=183.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=55.3. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=26.8km s-min=21.6km az=48.0.
ISC VI 25 16 59 21.7–1.7 38.20S–.05 176.32E–.06 182–11 105 0-7
WEL VI 25 16 59 27.2–1.1 38S–4.0 176E–4.0 131–11 2.5,2.5 **¶612490140**
NOU VI 25 16 59 37.8 39.27S 175.61E 0 3.5,2.5
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=114.9. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU North Island, New Zealand.
ISC VI 27 14 26 15.2–1.1 39.36S–.02 174.83E–.02 19–2 166 0-7
WEL VI 27 14 26 15.0–.37 39S–4.0 175E–2.0 19–5 4.4L,4.1 **¶612490149**
NOU VI 27 14 26 15.9 39.31S 174.73E 30 4.0,4.1
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=3.3. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU North Island, New Zealand.
ISC VI 28 08 07 18.3–1.4 35.88S–.05 174.96E–.04 7–12 93 1-7
WEL VI 28 08 07 00 35.88S 174.96E 12 3.6L,3.5W **¶611401520**
WEL VI 28 08 07 18.6–.66 36S–4.0 175E–4.0 5 3.7,3.7
NOU VI 28 08 07 18.8 35.86S 174.90E 0 4.0,3.7
ISC Event type ke.
WEL Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-0.90 $M_{\theta\theta}$0.52 $M_{\phi\phi}$0.38 $M_{r\theta}$0.03 $M_{\theta\phi}$1.23 $M_{\phi r}$1.23 NP1:ϕ_s82.00000°,δ41.00000°,λ-28.00000°. NP2:ϕ_s194.00000°,δ72.00000°,λ-127.00000°. Principal axes: T 19.7600,Plg18.0000°,Azm311.0000°; N -1.3900,Plg35.0000°,Azm207.0000°; P -18.3600,Plg49.0000°,Azm63.0000° $M_0$1.91000×10^{14}
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=41.9. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU North Island, New Zealand.
ISC VI 28 09 40 06.1–1.4 37.97S–.07 175.81E–.07 300 115 0-10
NOU VI 28 09 40 04.6 37.88S 175.96E 326 3.7 **¶612490153**
WEL VI 28 09 40 10.0–1.1 38S–7.0 176E–7.0 270–10 3.0,3.0
ISC Event type se.
NOU North Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL VI 29 17 32 23.8–.35 41S–3.0 175E–2.0 17–2 2.9L,2.6
¶614548317
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

(160) Off east coast of North Island.

ISC I 01 00 13 46.3–2.7 37.15S–.07 179.3E–.10 7–11 95 1-6
NOU I 01 00 13 44.8 37.14S 179.42E 0 4.0 **¶612488221**
WEL I 01 00 13 48.7–.96 37S–5.0 179E–8.0 10 3.9L,3.6
ISC Event type se.
NOU Off E. Coast of N. Island, N.Z.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC I 04 08 44 42.1–1.5 36.42S–.10 178.2E–.10 194–8 125 1-149
NOU I 04 08 44 38.6 36.24S 178.34E 204 4.3L **¶610236684**
WEL I 04 08 44 41.2–1.2 36S–10 178E–10 144–17 3.8L,3.6
IDC I 04 08 44 46.2–2.4 36.90S 178.23E 205–18 4.3,3.8b
ISC Event type se.
NOU Off E. Coast of N. Island, N.Z.

WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=41.8.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=51.9km s-min=35.6km az=134.0.
ISC I 06 16 46 11.8–.38 37.79S–.03 177.60E–.03 63–2 5.1b 410 0-167
WEL I 06 16 46 00 37.72S 177.53E 60 4.9W,4.8L ¶610038457
BJI I 06 16 46 08.0–.00 37.80S 177.50E 40 5.6b,5.1b
IDC I 06 16 46 10.7–1.2 37.86S 177.78E 64–8 4.8,4.6b
NEIC I 06 16 46 11.1–2.5 37.89S–.06 177.68E–.08 53–4 5.0b,4.9
NOU I 06 16 46 11.1 38.00S 177.94E 62 5.1b,4.9
WEL I 06 16 46 12.2–.48 38S–4.0 178E–3.0 28–5 5.2L,4.8
NEIC I 06 16 46 12 37.87S 177.71E 50 5.2L,4.8
GCMT I 06 16 46 15.1–.30 37.82S–.02 177.91E–.03 63–1 5.0W,4.8
ISC Event type se.
WEL Moment Tensor Solution. s9 Moment tensor: Scale 10^{16}Nm; M_{rr}1.80 $M_{\theta\theta}$0.19 $M_{\phi\phi}$-1.99
$M_{r\theta}$-0.59 $M_{\theta\phi}$-0.66 $M_{\phi r}$2.05 NP1:ϕ_s218.00000°,δ28.00000°,λ132.00000°. NP2:ϕ_s353.00000°
,δ70.00000°,λ71.00000°. Principal axes: T 2931.4600,Plg61.0000°,Azm235.0000°
; N 0.6700,Plg18.0000°,Azm359.0000°; P -2932.1400,Plg22.0000°,Azm98.0000°
$M_0$2.93000×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}2.54 $M_{\theta\theta}$-0.23 $M_{\phi\phi}$-2.31 $M_{r\theta}$-0.46
$M_{\theta\phi}$-1.40 $M_{\phi r}$1.47 NP1:ϕ_s227.34000°,δ37.93000°,λ124.35000°. NP2:ϕ_s6.43000°,δ59.50000°
,λ66.26000°. Principal axes: T 3.1615,Plg66.0000°,Azm231.0000°; N 0.0745,Plg20.0000°
,Azm19.0000°; P -3.2360,Plg11.0000°,Azm113.0000° $M_0$3.20000×10^{16}
NOU Off E. Coast of N. Island, N.Z.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Moment Tensor Solution.Duration: 2s0 Moment tensor: Scale 10^{16}Nm;
M_{rr}2.82 $M_{\theta\theta}$-0.04 $M_{\phi\phi}$-2.78 $M_{r\theta}$-0.25 $M_{\theta\phi}$-0.39 $M_{\phi r}$1.69 NP1:ϕ_s196.00000°,δ30.00000°
,λ104.00000°. NP2:ϕ_s360.00000°,δ61.00000°,λ82.00000°. Principal axes:
T 3.3229,Plg73.0000°,Azm249.0000°; N -0.0471,Plg7.0000°,Azm4.0000°
; P -3.2758,Plg15.0000°,Azm96.0000° $M_0$3.30000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function. Moment Tensor Solution. s43,c52; s75,c97;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}3.00±.19 $M_{\theta\theta}$0.85±.16; $M_{\phi\phi}$-3.85±.12; $M_{r\theta}$-0.48±.10;
$M_{\theta\phi}$-1.40±.12; $M_{\phi r}$1.08±.10; Best double couple: NP1:ϕ_s358.00000°,δ55.00000°,λ67.00000°.
NP2:ϕ_s215.00000°,δ41.00000°,λ119.00000°. Principal axes: T 3.3700,Plg70.0000°
,Azm214.0000°; N 0.9800,Plg19.0000°,Azm12.0000°; P -4.3510,Plg7.0000°,Azm104.0000°
$M_0$3.86100×10^{16}
ISC I 07 05 31 29.6–2.1 37.17S–.05 179.18E–.08 17–11 4.3b 141 1-150
NOU I 07 05 31 22.4 37.10S 179.70E 0 4.3 ¶610236879
IDC I 07 05 31 29.4–1.9 36.86S 178.82E 0 4.3,4.3b
WEL I 07 05 31 29.9–2.5 37S–11 179E–13 3–9 4.3L,3.9
NEIC I 07 05 31 29.1–1.0 37.30S–.09 179.1E–.10 10–2 4.5b,3.9
ISC Event type se.
NOU Off E. Coast of N. Island, N.Z.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 07 16 14 03.0–2.7 37.09S–.07 179.6E–.10 10–12 92 1-7
NOU I 07 16 13 59.3 37.08S 179.95E 0 4.2L ¶612488325
WEL I 07 16 14 09.8–1.2 37S–11 179E–10 64–22 3.8L,3.6
ISC Event type se.
NOU Off E. Coast of N. Island, N.Z.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL I 07 18 27 30.0 38S–6.0 177E–5.0 60–8 3.5L,3.2
¶614538393
WEL Event type se. smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID
smi:org.gfz-potsdam.de/geofon/nz3drx. manual. confirmed.
WEL I 08 10 57 18.8–.61 42S–3.0 178E–4.0 12 3.6L,3.3
¶614538455
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL I 09 04 41 35.5–.97 38S–8.0 180E–6.0 33 3.6L,3.3
¶614538528
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL I 11 16 21 13.5–.53 42S–4.0 178E–5.0 12 3.6L,3.6b
¶614538739
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC I 12 01 31 10.9–2.2 41.9S–.10 177.6E–.20 10 3.3s 7 4-151
IDC I 12 01 31 09.0–2.3 41.97S 177.86E 0 4.2L,4.1 ¶610237219
ISC Event type ke.
IDC Error ellipse: s-maj=47.0km s-min=40.4km az=98.0.
WEL I 17 20 08 32.1–1.1 37S–7.0 179E–8.0 20–5 3.7L,3.5
¶614539183
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC I 18 01 07 18.0–1.4 39.60S–.03 177.21E–.04 69–8 110 0-7
NOU I 18 01 07 17.6 39.60S 177.32E 20 3.4 ¶612488433
WEL I 18 01 07 19.4–.66 40S–3.0 177E–5.0 48–7 3.5L,3.1
ISC Event type se.
NOU Off E. Coast of N. Island, N.Z.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC I 19 16 31 08.4–3.4 35.6S–.10 178.5E–.10 217–16 57 2-7
NOU I 19 16 30 04.3 31.63S 177.27W 274 4.3b ¶614539301
WEL I 19 16 31 11.1–.97 36S–10 178E–10 181–17 3.5L,3.2
ISC Event type se.
NOU Kermadec Islands Region.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL I 20 14 39 06.9–.55 40S–4.0 179E–5.0 33 3.6L,3.3
¶614539374
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC I 22 21 00 16.4–.40 37.81S–.03 177.62E–.03 67–3 5.4b 598 0-178
WEL I 22 21 00 00 37.79S 177.51E 52 5.0L,4.9W ¶610105258
IDC I 22 21 00 15.0–.97 38.03S 177.74E 62–6 5.2,5.0b
BJI I 22 21 00 14.3–.00 37.95S 178.12E 71 5.8b,5.2s
NEIC I 22 21 00 15.9–2.5 37.95S–.06 177.79E–.08 64–4 5.3b,5.0
WEL I 22 21 00 16.5–.30 38S–3.0 178E–2.0 29–3 5.4L,5.1
MOS I 22 21 00 16.0–1.6 37.83S 177.61E 70 5.5b,5.1
NOU I 22 21 00 16.3 37.95S 177.71E 51 5.4b,5.1
ISC Event type se.
WEL Moment Tensor Solution. s6 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.06 $M_{\theta\theta}$0.02 $M_{\phi\phi}$0.04
$M_{r\theta}$0.46 $M_{\theta\phi}$-0.72 $M_{\phi r}$2.87 NP1:ϕ_s276.00000°,δ13.00000°,λ179.00000°. NP2:ϕ_s8.00000°
,δ90.00000°,λ77.00000°. Principal axes: T -3101.4500,Plg44.0000°,Azm266.0000°
; N 224.8500,Plg13.0000°,Azm8.0000°; P 2876.6000,Plg43.0000°,Azm111.0000°
$M_0$2.99000×10^{16}
IDC Error ellipse: s-maj=18.5km s-min=15.6km az=149.0.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=5.8km az=132.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}3.44 $M_{\theta\theta}$-2.42 $M_{\phi\phi}$-1.02 $M_{r\theta}$-0.06
$M_{\theta\phi}$-2.64 $M_{\phi r}$2.10 NP1:ϕ_s256.86000°,δ42.07000°,λ129.66000°. NP2:ϕ_s28.71000°,δ58.94000°
,λ60.05000°. Principal axes: T 4.4458,Plg63.0000°,Azm248.0000°; N 0.2024,Plg25.0000°
,Azm45.0000°; P -4.6482,Plg9.0000°,Azm140.0000° $M_0$4.55000×10^{16}
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=4.9.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
MOS Error ellipse: s-maj=15.5km s-min=11.4km az=32.1.
NOU Off E. Coast of N. Island, N.Z.
ISC I 23 09 06 29.2–3.0 37.06S–.08 179.3E–.10 29–14 65 1-5
NOU I 23 09 06 05.8 36.52S 178.85W 0 4.3 ¶612488480
WEL I 23 09 06 29.8–.87 37S–5.0 179E–7.0 12 3.2L,3.1
ISC Event type se.
NOU East of North Island, N.Z.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC I 23 21 52 20.6–1.4 35.61S–.06 179.63E–.08 60–11 4.6b,3.5s 171 2-154
NOU I 23 21 52 16.2 35.65S 179.69E 0 4.7,3.5s ¶610159375
WEL I 23 21 52 19.6–.58 36S–4.0 180E–7.0 33 4.8L,4.6
NEIC I 23 21 52 19.7–1.1 35.62S–.10 179.6E–.20 45–2 4.7b,4.6
IDC I 23 21 52 21.6–3.8 35.69S 179.62E 69–31 5.2L,4.5
ISC Event type se.
NOU Off E. Coast of N. Island, N.Z.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=103.5.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=19.3km s-min=14.2km az=102.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=26.7km s-min=19.9km az=67.0.
ISC I 23 23 10 51.4–1.2 37.78S–.03 177.55E–.03 35 107 0-5
WEL I 23 23 10 50.7–.32 38S–3.0 178E–2.0 29–3 3.3L,3.0 ¶612488489
NOU I 23 23 10 50.3 37.81S 177.63E 39 3.6,3.0
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=7.7.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU Off E. Coast of N. Island, N.Z.
ISC I 25 06 10 56.0–3.2 36.74S–.08 178.21E–.08 8–24 86 1-8
NOU I 25 06 10 55.8 36.66S 178.54E 61 4.2L ¶612488504
WEL I 25 06 10 57.4–.85 37S–5.0 178E–6.0 33 3.9L,3.6
ISC Event type se.
NOU Off E. Coast of N. Island, N.Z.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC I 27 05 34 12.5–1.5 35.93S–.09 178.23E–.10 220–9 83 2-149
WEL I 27 05 34 11.6–.81 36S–6.0 178E–8.0 204–8 4.6L,4.2 ¶610235436
IDC I 27 05 34 14.9–2.6 36.68S 178.61E 259–19 4.2,3.6b
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=69.1.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=53.6km s-min=37.4km az=132.0.
WEL I 27 06 36 40.8 39S–3.0 178E–5.0 29–6 3.8L,3.5
¶614539794
WEL Event type se. smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID
smi:org.gfz-potsdam.de/geofon/nz3drx. manual. confirmed.
ISC I 28 11 20 38.0–1.2 37.09S–.07 177.64E–.06 186–6 171 1-150
NOU I 28 11 20 30.5 36.75S 178.12E 230 3.9 ¶610235554
IDC I 28 11 20 40.7–1.4 37.53S 177.73E 184–12 3.8,3.3b
WEL I 28 11 20 40.6–.67 37S–5.0 178E–4.0 150–6 3.5L,3.3
ISC Event type se.
NOU Off E. Coast of N. Island, N.Z.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC I 29 09 39 39.8–2.2 37.06S–.06 179.30E–.08 7–11 4.2b 127 1-150
IDC I 29 09 39 39.4–3.1 36.76S 179.06E 0 4.2b,4.1 ¶610235633
NEIC I 29 09 39 40.1–2.8 36.89S–.09 179.1E–.10 5–7 4.2b,4.1
WEL I 29 09 39 42.1–.79 37S–4.0 179E–7.0 12 3.9L,3.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL I 30 20 16 40.6–.94 37S–4.0 179E–7.0 12 3.9L,3.6
¶614540026
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC II 02 05 05 38.8–.42 37.84S–.03 177.58E–.03 58–3 5.2b,4.0s 396 0-165
WEL II 02 05 05 00 37.78S 177.55E 52 4.9W,4.8L ¶610172176
BJI II 02 05 05 38.0–.00 37.80S 177.50E 38 5.6b,5.2b
NEIC II 02 05 05 38.1–1.9 38.03S–.04 177.78E–.05 64–5 5.1b,4.9
WEL II 02 05 05 39.3–.27 38S–3.0 178E–3.0 27–3 5.1L,4.8
NOU II 02 05 05 39.1 37.97S 177.62E 45 5.2b,4.8
NEIC II 02 05 05 41.5 38.02S 177.78E 50 5.2b,4.8
GCMT II 02 05 05 43.1–.30 37.85S–.02 177.66E–.03 50–1 5.0W,4.8
IDC II 02 05 05 44.6–4.2 37.95S 177.72E 115–31 4.9,4.6b
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s357.06180°,δ73.66689°,λ61.98483°. NP2:
ϕ_s239.20256°,δ32.09211°,λ148.04009°. Principal axes: T Plg52.9311°,Azm233.6259°
; N Plg26.7918°,Azm5.5715°; P Plg23.5909°,Azm108.3107°
WEL Moment Tensor Solution. s9 Moment tensor: Scale 10^{16}Nm; M_{rr}1.79 $M_{\theta\theta}$-0.27 $M_{\phi\phi}$-1.53
$M_{r\theta}$-0.14 $M_{\theta\phi}$-0.57 $M_{\phi r}$1.86 NP1:ϕ_s215.00000°,δ25.00000°,λ119.00000°. NP2:ϕ_s4.00000°
,δ69.00000°,λ78.00000°. Principal axes: T -2459.7500,Plg64.0000°,Azm254.0000°
; N -214.2000,Plg11.0000°,Azm8.0000°; P 2673.9400,Plg23.0000°,Azm104.0000°
$M_0$2.57000×10^{16}
NEIC Event type se. Error ellipse: s-maj=6.3km s-min=5.7km az=150.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=41.3.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU Off E. Coast of N. Island, N.Z.
NEIC Event type se. Moment Tensor Solution.Duration: 1s4 Moment tensor: Scale 10^{16}Nm;
M_{rr}2.69 $M_{\theta\theta}$-0.45 $M_{\phi\phi}$-2.24 $M_{r\theta}$-0.07 $M_{\theta\phi}$-0.63 $M_{\phi r}$1.26 NP1:ϕ_s9.29000°,δ57.87000°
,λ81.85000°. NP2:ϕ_s204.36000°,δ33.04000°,λ102.72000°. Principal axes:
T 3.0053,Plg76.0000°,Azm255.0000°; N -0.3033,Plg7.0000°,Azm14.0000°
; P -2.7021,Plg13.0000°,Azm105.0000° $M_0$2.85000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function. Moment Tensor Solution. s45,c57; s72,c84;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}3.07±.22 $M_{\theta\theta}$-0.25±.16; $M_{\phi\phi}$-2.82±.14; $M_{r\theta}$0.00±.11;
$M_{\theta\phi}$-1.77±.10; $M_{\phi r}$1.65±.11; Best double couple: NP1:ϕ_s14.00000°,δ58.00000°,λ74.00000°.
NP2:ϕ_s222.00000°,δ35.00000°,λ114.00000°. Principal axes: T 3.5590,Plg72.0000°
,Azm245.0000°; N 0.4740,Plg13.0000°,Azm22.0000°; P -4.0320,Plg12.0000°,Azm115.0000°
$M_0$3.79600×10^{16}
IDC Error ellipse: s-maj=28.4km s-min=21.7km az=151.0.
ISC II 06 15 43 06.1–.77 37.39S–.04 178.83E–.05 33–3 4.7b,3.8s 238 0-156
WEL II 06 15 43 00 37.30S 178.86E 21 4.5W,4.5L ¶610198066
WEL II 06 15 43 05.1–1.3 37S–5.0 179E–9.0 21–7 4.9L,4.6
NOU II 06 15 43 06.0 37.51S 178.84E 31 4.7b,4.6
NEIC II 06 15 43 08.2–1.6 37.4S–.10 178.6E–.10 39–6 5.0b,4.6
IDC II 06 15 43 10.6–2.6 37.28S 178.59E 67–20 4.4,4.2b
ISC Event type se.
WEL Moment Tensor Solution. s4 Moment tensor: Scale 10^{15}Nm; M_{rr}-5.99 $M_{\theta\theta}$1.63 $M_{\phi\phi}$4.36
$M_{r\theta}$1.87 $M_{\theta\phi}$1.46 $M_{\phi r}$4.64 NP1:ϕ_s24.00000°,δ24.00000°,λ-88.00000°. NP2:ϕ_s202.00000°
,δ66.00000°,λ-91.00000°. Principal axes: T 693.4000,Plg21.0000°,Azm293.0000°
; N 99.3300,Plg1.0000°,Azm202.0000°; P -792.7300,Plg69.0000°,Azm110.0000°
$M_0$7.43000×10^{15}
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=88.1.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU Off E. Coast of N. Island, N.Z.
NEIC Event type se. Error ellipse: s-maj=18.9km s-min=16.1km az=177.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=23.0km s-min=18.3km az=17.0.
WEL II 07 12 29 07.3 38S–25 178E–16 5–14 2.8L,2.6
¶614540443
WEL smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID
smi:org.gfz-potsdam.de/geofon/nz3drx. automatic.
ISC II 07 12 52 57.4–2.2 37.36S–.06 179.00E–.08 13–10 142 1-151
NOU II 07 12 52 53.3 37.32S 179.35E 8 4.0 ¶610415044
IDC II 07 12 52 54.4–3.1 37.08S 178.97E 0 4.0,4.0b
WEL II 07 12 52 58.9–.78 37S–4.0 179E–5.0 12 4.1L,3.8
ISC Event type se.

NOU Off E. Coast of N. Island, N.Z.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC II 09 12 13 46.7–3.0 36.98S–.07 179.2E–.10 8–12 79 1-6
NOU II 09 12 13 40.0 36.85S 179.86E 5 4.2 **¶612488694**
WEL II 09 12 13 48.5–.87 37S–5.0 179E–8.0 12 3.6L,3.3
ISC Event type se.
NOU Off E. Coast of N. Island, N.Z.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC II 09 15 13 30.7–2.6 37.28S–.09 179.1E–.10 21–5 89 1-7
NOU II 09 15 13 21.9 37.22S 179.79E 0 3.8 **¶612488696**
WEL II 09 15 13 34.9–.83 37S–4.0 179E–6.0 26–4 3.3L,3.0
ISC Event type se.
NOU Off E. Coast of N. Island, N.Z.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC II 10 05 03 28.5–.74 35.54S–.07 179.81E–.09 35 4.4b,3.5s 100 2-158
IDC II 10 05 03 22.7–.86 35.29S 179.88E 0 4.6L,4.4 **¶610208183**
NOU II 10 05 03 25.9 35.52S 179.75E 0 4.5,4.4
WEL II 10 05 03 32.2–1.4 36S–7.0 179E–14 33 4.6L,4.4
ISC Event type se.
NOU Off E. Coast of N. Island, N.Z.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL II 10 19 34 05.1–1.1 36S–17 178E–26 239–12 4.1b,3.5L
¶614540644
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC II 11 20 17 17.3–2.9 36.6S–.10 177.7E–.10 224–14 96 1-7
NOU II 11 20 17 14.3 36.25S 178.02E 252 4.6 **¶616172833**
WEL II 11 20 17 25.6–.91 37S–7.0 178E–7.0 173–6 3.2,3.2
ISC Event type se.
NOU Off E. Coast of N. Island, N.Z.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC II 13 01 27 12.6–1.3 37.84S–.04 177.58E–.03 45–10 71 0-5
WEL II 13 01 27 11.4–.30 38S–3.0 178E–3.0 36–5 3.4L,3.2 **¶612488727**
NOU II 13 01 27 11.3 37.83S 177.56E 26 3.5,3.2
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=13.8.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU Off E. Coast of N. Island, N.Z.
ISC II 14 22 46 41.6–2.8 37.29S–.07 179.2E–.10 14–12 49 1-5
NOU II 14 22 46 36.2 37.26S 179.64E 0 3.7 **¶612488748**
WEL II 14 22 46 43.8–.96 37S–6.0 179E–7.0 12 3.1L,2.8
ISC Event type se.
NOU Off E. Coast of N. Island, N.Z.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC II 15 13 59 08.8–1.9 37.05S–.05 179.28E–.06 12–10 4.2b 202 1-156
IDC II 15 13 59 06.9–1.6 36.74S 179.20E 0 4.5L,4.1 **¶610415569**
WEL II 15 13 59 11.3–.84 37S–5.0 179E–7.0 33 4.5L,4.2
NEIC II 15 13 59 12.9–2.7 37.12S–.10 178.9E–.10 21–5 4.3b,4.2
ISC Event type se.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL II 17 03 31 08.8–.64 37S–4.0 179E–5.0 12 4.9b,4.2
¶614541014
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL II 17 06 12 53.0–.81 37S–6.0 179E–6.0 5 3.5L,3.2
¶614541019
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC II 20 05 45 13.7–.69 37.82S–.04 177.59E–.04 58–6 4.4b 208 0-155
WEL II 20 05 45 00 37.76S 177.56E 50 4.0W,4.0L **¶610384671**
NEIC II 20 05 45 12.2–2.0 38.14S–.08 178.1E–.10 69–6 4.4b,4.0L
WEL II 20 05 45 14.6–.30 38S–3.0 178E–3.0 27–3 4.3L,4.0
NOU II 20 05 45 14.5 37.79S 177.62E 36 4.3,4.0
IDC II 20 05 45 15.5–1.2 38.07S 177.46E 65–6 4.3,4.0b
ISC Event type se.
WEL Moment Tensor Solution. s4 Moment tensor: Scale 10^{15}Nm; M_{rr}0.67 $M_{\theta\theta}$-0.42 $M_{\phi\phi}$-0.25 $M_{r\theta}$0.03 $M_{\theta\phi}$-0.20 $M_{\phi r}$1.23 NP1:ϕ_s231.00000°,δ15.00000°,λ132.00000°. NP2:ϕ_s8.00000°,δ79.00000°,λ80.00000°. Principal axes: T -38.3800,Plg55.0000°,Azm266.0000°; N -114.6600,Plg10.0000°,Azm10.0000°; P 153.0500,Plg33.0000°,Azm107.0000° $M_0$1.34000×10^{15}
NEIC Event type se. Error ellipse: s-maj=19.1km s-min=6.5km az=123.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=44.5.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU Off E. Coast of N. Island, N.Z.
IDC Error ellipse: s-maj=28.0km s-min=19.5km az=129.0.
ISC II 20 07 53 05.9–.87 37.45S–.04 178.94E–.05 40–7 5.1b,4.1s 278 1-177
IDC II 20 07 53 00.9–.59 37.17S 178.89E 0 4.9,4.9b **¶611676684**
WEL II 20 07 53 00 37.29S 179.03E 5 4.7W,4.7L
WEL II 20 07 53 01.6–.85 37S–4.0 179E–7.0 5 5.0L,4.7
NEIC II 20 07 53 01.7–1.6 37.64S–.09 179.01E–.06 11–3 5.1b,4.7
NOU II 20 07 53 02.8 37.52S 178.94E 11 5.0b,4.7
GCMT II 20 07 53 02.7–.40 37.33S–.04 179.12E–.04 23–1 4.9W,4.7
BJI II 20 07 53 03.6–.00 38.26S 178.44E 29 5.6b,5.4b
ISC Event type se.
IDC Error ellipse: s-maj=23.1km s-min=19.5km az=2.0.
WEL Moment Tensor Solution. s5 Moment tensor: Scale 10^{16}Nm; M_{rr}0.09 $M_{\theta\theta}$0.89 $M_{\phi\phi}$-0.98 $M_{r\theta}$1.17 $M_{\theta\phi}$0.29 $M_{\phi r}$0.37 NP1:ϕ_s137.00000°,δ48.00000°,λ12.00000°. NP2:ϕ_s39.00000°,δ81.00000°,λ137.00000°. Principal axes: T 1798.2700,Plg36.0000°,Azm349.0000°; N -695.6100,Plg47.0000°,Azm209.0000°; P -1102.6600,Plg21.0000°,Azm95.0000° $M_0$1.45000×10^{16}
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=98.8.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=6.9km az=185.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Off E. Coast of N. Island, N.Z.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s17,c20; s67,c80;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-2.43±.22 $M_{\theta\theta}$0.66±.14; $M_{\phi\phi}$1.77±.13; $M_{r\theta}$0.57±.20; $M_{\theta\phi}$0.72±.08; $M_{\phi r}$-1.01±.16; Best double couple: NP1:ϕ_s8.00000°,δ56.00000°,λ-110.00000°. NP2:ϕ_s220.00000°,δ39.00000°,λ-64.00000°. Principal axes: T 2.2280,Plg9.0000°,Azm112.0000°; N 0.5830,Plg16.0000°,Azm19.0000°; P -2.8100,Plg72.0000°,Azm230.0000° $M_0$2.51900×10^{16}
ISC II 21 01 08 53.2–.81 36.84S–.07 177.56E–.06 196–6 4.0b 218 1-156
NOU II 21 01 08 45.1 36.56S 178.02E 242 4.6 **¶610384719**
WEL II 21 01 08 51.5–.90 37S–7.0 178E–6.0 190–6 4.3,4.3L
NEIC II 21 01 08 52.7–1.4 37.1S–.10 177.8E–.10 199–9 4.3b,4.3L
IDC II 21 01 08 56.5–1.1 37.15S 177.14E 204–8 4.2,3.7b
ISC Event type se.
NOU Off E. Coast of N. Island, N.Z.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=43.0.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=22.4km s-min=14.5km az=150.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=27.2km s-min=21.6km az=15.0.

WEL II 25 12 55 17.9–.92 37S–4.0 179E–7.0 12 3.0L,2.6
¶614541542
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC II 25 23 49 26.9–.91 36.94S–.07 179.50E–.07 35 4.4b,3.2s 175 1-156
NOU II 25 23 49 14.4 36.83S 179.75W 0 4.8,3.2s **¶610272991**
NEIC II 25 23 49 26.9–.99 36.86S–.09 179.0E–.10 9–5 4.4b,3.2s
WEL II 25 23 49 27.8–.82 37S–5.0 179E–7.0 33 5.6b,5.1
IDC II 25 23 49 35.1–3.5 37.81S 179.17E 107–24 4.3,3.9b
ISC Event type se.
NOU East of North Island, N.Z.
NEIC Event type se. Error ellipse: s-maj=18.0km s-min=4.2km az=137.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=85.2.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=35.4km s-min=33.1km az=67.0.
ISC II 27 23 40 27.3–4.2 37.50S–.08 180.0E–.10 9–18 72 1-6
NOU II 27 23 40 25.3 37.60S 179.90W 5 3.9 **¶612488933**
WEL II 27 23 40 26.3–1.2 37S–10 180W–8.0 12 3.5L,3.3
ISC Event type se.
NOU East of North Island, N.Z.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC III 02 06 44 29.6–1.4 37.80S–.04 177.57E–.04 40–9 122 0-9
NOU III 02 06 44 27.5 37.80S 177.79E 59 3.5 **¶612488981**
WEL III 02 06 44 29.1–.36 38S–4.0 178E–3.0 28–3 3.6L,3.3
ISC Event type se.
NOU Off E. Coast of N. Island, N.Z.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC III 02 12 23 06.9–1.2 39.46S–.03 177.42E–.03 13–9 127 0-6
NOU III 02 12 23 05.5 39.51S 177.54E 6 3.4 **¶612488989**
WEL III 02 12 23 08.8–.53 39S–3.0 177E–4.0 23–6 3.9L,3.6
ISC Event type se.
NOU Off E. Coast of N. Island, N.Z.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL III 02 12 24 26.4–.44 39S–3.0 177E–3.0 25–4 4.1L,3.7
¶614541804
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC III 02 12 32 28.2–1.3 39.45S–.03 177.38E–.03 23–12 139 0-6
NOU III 02 12 32 26.7 39.52S 177.45E 13 3.5 **¶612488990**
WEL III 02 12 32 29.3–.49 39S–3.0 177E–4.0 28–6 3.9L,3.5
ISC Event type se.
NOU Off E. Coast of N. Island, N.Z.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC III 02 16 53 48.7–.45 39.43S–.02 177.30E–.03 20–3 4.7b,3.8s 303 0-170
WEL III 02 16 53 00 39.38S 177.32E 24 4.5W,4.5L **¶610243908**
NEIC III 02 16 53 46.4 39.52S 177.50E 13 4.5W,4.5L
NEIC III 02 16 53 47.8–1.6 39.48S–.04 177.44E–.08 18–4 4.7b,4.5
NOU III 02 16 53 49.4 39.51S 177.33E 22 4.8b,4.5
IDC III 02 16 53 51.1–2.6 39.28S 177.30E 33–18 4.5,4.4b
WEL III 02 16 53 51.1 39S–3.0 177E–4.0 30–5 5.1L,4.5
ISC Event type se.
WEL Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-3.63 $M_{\theta\theta}$-0.59 $M_{\phi\phi}$4.22 $M_{r\theta}$2.21 $M_{\theta\phi}$4.03 $M_{\phi r}$-4.42 NP1:ϕ_s243.00000°,δ43.00000°,λ-29.00000°. NP2:ϕ_s355.00000°,δ71.00000°,λ-129.00000°. Principal axes: T -767.2600,Plg17.0000°,Azm113.0000°; N 35.4400,Plg37.0000°,Azm9.0000°; P 731.8200,Plg48.0000°,Azm223.0000° $M_0$7.50000×10^{15}
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-3.71 $M_{\theta\theta}$0.45 $M_{\phi\phi}$3.26 $M_{r\theta}$0.85 $M_{\theta\phi}$4.88 $M_{\phi r}$-3.30 NP1:ϕ_s4.65000°,δ66.92000°,λ-132.79000°. NP2:ϕ_s251.70000°,δ47.54000°,λ-32.10000°. Principal axes: T 7.3686,Plg12.0000°,Azm124.0000°; N -1.0375,Plg39.0000°,Azm25.0000°; P -6.3312,Plg49.0000°,Azm228.0000° $M_0$6.91000×10^{15}
NOU Off E. Coast of N. Island, N.Z.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID
smi:org.gfz-potsdam.de/geofon/nz3drx. manual. confirmed.
WEL III 02 20 00 39.1–.50 39S–3.0 177E–5.0 26–5 4.0L,3.6
¶614541840
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC III 03 21 47 01.9–1.4 39.46S–.02 177.35E–.03 31–11 140 0-152
IDC III 03 21 46 58.0–1.8 39.46S 177.32E 0 3.8,3.7b **¶610545479**
NOU III 03 21 46 59.6 39.50S 177.56E 4 3.8,3.7b
WEL III 03 21 47 03.9 39S–3.0 177E–4.0 26–7 4.3L,3.7
ISC Event type se.
NOU Off E. Coast of N. Island, N.Z.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID
smi:org.gfz-potsdam.de/geofon/nz3drx. manual. confirmed.
ISC III 04 09 52 41.2–3.8 36.1S–.20 178.6E–.10 249–16 89 2-6
NOU III 04 09 52 38.6 36.07S 178.95E 266 3.9 **¶612489008**
WEL III 04 09 52 41.6–.85 36S–10 178E–10 217–12 3.8L,3.6
ISC Event type se.
NOU Off E. Coast of N. Island, N.Z.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC III 07 11 03 36.4–.50 37.46S–.05 179.20E–.07 21–4 5.3b,4.6s 267 1-164
WEL III 07 11 03 00 37.07S 179.06E 9 5.0L,4.8W **¶615092511**
NOU III 07 11 03 15.1 36.65S 178.71W 69 5.2b,4.8W
NEIC III 07 11 03 36.5–1.4 37.52S–.08 179.21E–.08 21–4 5.1b,4.8W
WEL III 07 11 03 37.3–1.0 37S–5.0 179E–8.0 12 5.1L,4.9
MOS III 07 11 03 38.9–1.6 37.14S 178.62E 25 5.1b,4.9
IDC III 07 11 03 44.6–1.5 37.15S 178.66E 63–11 5.0,4.7b
ISC Event type se.
WEL Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.25 $M_{\theta\theta}$-0.02 $M_{\phi\phi}$0.27 $M_{r\theta}$0.71 $M_{\theta\phi}$-0.06 $M_{\phi r}$1.81 NP1:ϕ_s328.00000°,δ5.00000°,λ-143.00000°. NP2:ϕ_s201.00000°,δ87.00000°,λ-86.00000°. Principal axes: T -1992.7200,Plg42.0000°,Azm287.0000°; N 60.3400,Plg4.0000°,Azm20.0000°; P 1932.3800,Plg48.0000°,Azm115.0000° $M_0$1.96000×10^{16}
NOU East of North Island, N.Z.
NEIC Event type se. Error ellipse: s-maj=14.2km s-min=3.9km az=143.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=101.0.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
MOS Error ellipse: s-maj=12.9km s-min=11.9km az=123.5.
IDC Error ellipse: s-maj=13.9km s-min=11.4km az=136.0.
WEL III 07 17 58 52.6–.97 37S–6.0 178E–7.0 65–10 2.9L,2.6
¶614542139
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL III 08 04 35 19.2–.95 39S–4.0 179E–6.0 23–8 3.9L,3.6
¶614542150
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC III 08 16 47 04.9–2.8 37.28S–.10 179.1E–.10 21–6 106 1-7
NOU III 08 16 46 45.0 36.82S 179.33W 0 4.5 **¶612489039**
WEL III 08 16 47 06.6–.86 37S–4.0 179E–6.0 12 3.8L,3.6
ISC Event type se.
NOU East of North Island, N.Z.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC III 08 23 33 32.0–1.4 39.76S–.03 177.12E–.05 63–8 120 0-8
NOU III 08 23 33 31.5 39.71S 177.20E 16 3.6 **¶612489044**

WEL III 08 23 33 33.4 40S–3.0 177E–5.0 51–4 3.5L,3.3
ISC Event type se.
NOU Off E. Coast of N. Island, N.Z.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID smi:org.gfz-potsdam.de/geofon/nz3drx. manual. confirmed.
ISC III 09 01 16 03.6–.56 37.39S–.04 177.74E–.04 65–4 4.8b 223 0-158
NOU III 09 01 15 52.5 37.08S 178.61E 152 4.7b ¶610321333
WEL III 09 01 16 00 37.32S 177.78E 64 4.5W,4.5L
IDC III 09 01 16 03.5–2.1 37.30S 177.74E 65–16 4.5,4.2b
NEIC III 09 01 16 03.5–1.7 37.44S–.04 177.72E–.07 54–7 4.9b,4.2b
WEL III 09 01 16 04.2–.72 37S–5.0 178E–4.0 28–3 4.8L,4.5
ISC Event type se.
NOU Off E. Coast of N. Island, N.Z.
WEL Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}6.15 $M_{\theta\theta}$-0.98 $M_{\phi\phi}$-5.17 $M_{r\theta}$-0.98 $M_{\theta\phi}$-1.77 $M_{\phi r}$2.41 NP1:ϕ_s213.00000°,δ37.00000°,λ111.00000°. NP2:ϕ_s6.00000° ,δ56.00000°,λ74.00000°. Principal axes: T -613.6900,Plg74.0000°,Azm233.0000° ; N -73.4000,Plg13.0000°,Azm15.0000°; P 687.0900,Plg10.0000°,Azm107.0000° $M_0$6.50000×10^{15}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL III 09 12 26 41.5–.63 40S–4.0 177E–5.0 17–6 3.6L,3.2 ¶614542210
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL III 10 16 54 56.3–.50 40S–4.0 177E–4.0 33 3.6L,3.3 ¶614542289
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC III 12 09 23 02.9–.49 37.81S–.04 177.57E–.03 58–3 4.7b,3.5s 227 0-155
NOU III 12 09 23 00.9 37.85S 177.62E 74 4.7,3.5s ¶610546069
WEL III 12 09 23 00 37.79S 177.55E 56 4.4W,4.2L
WEL III 12 09 23 02.9–.28 38S–3.0 178E–3.0 28–3 4.5L,4.2
NEIC III 12 09 23 02.6–1.6 37.84S–.04 177.60E–.06 47–8 4.8b,4.2
IDC III 12 09 23 02.4–1.5 38.06S 177.61E 64–8 4.5,4.3b
ISC Event type se.
NOU Off E. Coast of N. Island, N.Z.
WEL Moment Tensor Solution. s5 Moment tensor: Scale 10^{15}Nm; M_{rr}2.74 $M_{\theta\theta}$-0.13 $M_{\phi\phi}$-2.62 $M_{r\theta}$0.65 $M_{\theta\phi}$-0.81 $M_{\phi r}$3.64 NP1:ϕ_s202.00000°,δ19.00000°,λ100.00000°. NP2:ϕ_s11.00000° ,δ71.00000°,λ87.00000°. Principal axes: T -468.2400,Plg64.0000°,Azm276.0000° ; N 8.8800,Plg3.0000°,Azm12.0000°; P 459.3600,Plg26.0000°,Azm104.0000° $M_0$4.64000×10^{15}
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=40.7. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=6.7km s-min=6.2km az=100.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=30.9km s-min=24.3km az=121.0.
WEL III 16 07 29 46.2–1.9 37S–10 179E–13 12–9 3.8L,3.4 ¶614542565
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC III 16 08 07 09.5–2.6 37.09S–.07 179.1E–.10 10 73 1-5
NOU III 16 08 06 33.4 36.01S 177.88W 0 4.4 ¶612489121
WEL III 16 08 07 12.7–1.4 37S–6.0 179E–12 18–9 3.7L,3.3
ISC Event type ke.
NOU East of North Island, N.Z.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC III 17 02 02 51.8–1.9 36.7S–.10 177.35E–.09 316–10 139 1-10
NOU III 17 02 02 52.1 36.70S 177.54E 332 3.5 ¶612489133
WEL III 17 02 02 58.3–.83 37S–8.0 177E–8.0 272–9 3.2,3.2
ISC Event type se.
NOU Off E. Coast of N. Island, N.Z.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC III 21 07 08 41.3–2.8 37.32S–.08 179.1E–.10 8–12 73 1-7
NOU III 21 07 08 37.2 37.36S 179.44E 0 3.7 ¶612489182
WEL III 21 07 08 42.8–.78 37S–4.0 179E–6.0 12 3.4L,3.2
ISC Event type se.
NOU Off E. Coast of N. Island, N.Z.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC III 21 11 58 40.6–1.5 37.66S–.05 179.93E–.05 4–8 4.5b 220 1-156
IDC III 21 11 58 43.2–1.0 37.26S 179.52E 0 5.0L,4.4 ¶610401438
NEIC III 21 11 58 43.0–1.4 37.78S–.08 179.72E–.09 10–2 4.7b,4.4
WEL III 21 11 58 45.5–.78 38S–6.0 180E–5.0 33 4.8L,4.5
NOU III 21 11 58 47.2 37.82S 179.51E 13 4.5,4.5
ISC Event type se.
IDC Error ellipse: s-maj=31.9km s-min=21.8km az=15.0.
NEIC Event type se. Error ellipse: s-maj=15.6km s-min=8.7km az=34.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=35.0. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU Off E. Coast of N. Island, N.Z.
ISC III 22 11 16 35.8–2.7 37.03S–.07 179.0E–.10 9–11 60 1-5
NOU III 22 11 16 31.2 37.01S 179.38E 0 3.6 ¶612489193
WEL III 22 11 16 38.4–.81 37S–3.0 179E–6.0 12 3.4L,3.1
ISC Event type se.
NOU Off E. Coast of N. Island, N.Z.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC III 23 08 21 17.5–2.8 37.32S–.06 179.2E–.10 12–11 77 1-5
NOU III 23 08 21 11.6 37.26S 179.61E 0 3.8 ¶612489203
WEL III 23 08 21 19.9–.90 37S–4.0 179E–7.0 12 3.5L,3.2
ISC Event type se.
NOU Off E. Coast of N. Island, N.Z.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC III 23 16 21 11.6–3.6 35.1S–.10 178.8E–.20 250–16 48 2-148
NOU III 23 16 20 57.8 34.16S 179.90W 241 4.2 ¶612489207
IDC III 23 16 21 08.5–2.8 34.33S 176.93E 0 3.9b,3.8
WEL III 23 16 21 13.2–.90 35S–6.0 179E–11 247–9 4.3b,4.0L
ISC Event type se.
NOU South of Kermadec Islands.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC III 25 11 50 38.9–.96 37.79S–.03 177.54E–.03 32–8 102 0-4
NOU III 25 11 50 33.6 37.70S 178.01E 22 3.5 ¶612489238
WEL III 25 11 50 38.5–.27 38S–3.0 178E–2.0 28–2 3.2L,2.9
ISC Event type se.
NOU Off E. Coast of N. Island, N.Z.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL III 26 12 07 25.0–.34 38S–3.0 178E–3.0 26–4 2.8L,2.5 ¶616342311
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL III 26 15 48 33.0–1.1 35S–10 179E–14 274–10 4.3b,4.3L ¶614543128
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC III 26 19 54 55.6–.82 37.26S–.06 177.67E–.06 123–6 94 0-156
NOU III 26 19 54 28.6 36.23S 179.71E 248 4.9 ¶610543740
IDC III 26 19 54 54.8–3.7 37.19S 177.80E 112–29 3.8,3.5b
WEL III 26 19 54 57.4–1.0 37S–8.0 178E–6.0 87–8 4.1L,3.9
ISC Event type se.
NOU Off E. Coast of N. Island, N.Z.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC III 27 18 41 10.8–.69 35.42S–.06 179.08E–.07 284–6 4.7b 247 2-153
NOU III 27 18 41 05.6 34.86S 179.26E 222 4.7b ¶610471030
IDC III 27 18 41 05.7–1.4 34.84S 179.17E 226–13 5.0,4.5b
NEIC III 27 18 41 06.9–1.4 34.7S–.10 178.9E–.10 210–5 4.9b,4.5b
WEL III 27 18 41 08.0–1.3 35S–17 179E–14 158–43 5.2L,4.9
ISC Event type se.
NOU South of Kermadec Islands.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL III 29 00 02 16.1–1.1 37S–6.0 179E–9.0 12 3.5L,3.1 ¶614543296
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC III 29 10 12 44.5–2.1 38.74S–.04 178.80E–.09 13–13 84 1-6
NOU III 29 10 12 45.8 38.72S 178.96E 97 3.5 ¶612489292
WEL III 29 10 12 50.0–1.0 39S–5.0 179E–7.0 27–7 3.6L,3.3
ISC Event type se.
NOU Off E. Coast of N. Island, N.Z.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL III 30 01 14 12.3–.91 39S–5.0 177E–4.0 22–9 2.0L,1.6 ¶614543550
WEL smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL III 30 05 14 21.2 38S–4.0 178E–5.0 13–4 3.5L,3.3 ¶614543591
WEL Event type se. smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID smi:org.gfz-potsdam.de/geofon/nz3drx. manual. confirmed.
ISC III 30 15 36 06.3–2.6 37.34S–.09 179.0E–.10 10 65 1-7
NOU III 30 15 35 59.1 37.28S 179.61E 0 3.6 ¶612489311
WEL III 30 15 36 07.6–.79 37S–4.0 179E–6.0 12 3.2L,2.9
ISC Event type se.
NOU Off E. Coast of N. Island, N.Z.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC IV 02 08 05 18.4–3.3 37.22S–.08 179.2E–.10 3–17 69 1-7
NOU IV 02 08 05 14.6 37.17S 179.52E 0 3.8 ¶612489347
WEL IV 02 08 05 20.7–1.6 37S–7.0 179E–10 8–7 3.5L,3.2
ISC Event type se.
NOU Off E. Coast of N. Island, N.Z.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC IV 02 09 52 58.4–3.1 37.21S–.08 179.0E–.10 9–15 79 1-7
NOU IV 02 09 52 53.5 37.10S 179.38E 0 3.7 ¶612489348
WEL IV 02 09 53 00.4–1.2 37S–4.0 179E–10 12 3.6L,3.3
ISC Event type se.
NOU Off E. Coast of N. Island, N.Z.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 03 10 15 03.1–.98 35S–6.0 180E–9.0 33 3.9L,3.6 ¶614543949
WEL smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC IV 03 18 10 46.2–2.1 37.01S–.06 179.04E–.08 17–10 4.0b 97 1-150
IDC IV 03 18 10 42.7–3.5 36.72S 179.21E 0 3.9,3.9b ¶610651857
WEL IV 03 18 10 48.3–.79 37S–3.0 179E–7.0 12 3.8L,3.5
NEIC IV 03 18 10 50.1–1.8 37.2S–.10 178.9E–.10 38–16 4.3b,3.5
ISC Event type se.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL IV 04 02 29 37.6–.93 37S–6.0 180E–7.0 33 3.6L,3.2 ¶614543990
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 04 14 59 16.0–.56 39S–3.0 179E–4.0 33 3.7L,3.4
NOU IV 04 14 59 10.3 39.47S 179.08E 109 3.9,3.4 ¶612489383
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=105.3. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU Off E. Coast of N. Island, N.Z.
WEL IV 05 09 53 45.2–1.3 36S–13 178E–13 178–14 3.8L,2.9 ¶614544066
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC IV 05 16 12 35.5–1.1 37.13S–.07 177.83E–.06 157–6 157 1-150
NOU IV 05 16 12 22.3 36.73S 179.05E 212 4.8 ¶610652022
WEL IV 05 16 12 36.6–.83 37S–5.0 178E–5.0 114–7 4.2,4.2
IDC IV 05 16 12 40.0–1.4 37.51S 177.55E 162–10 3.7,3.1b
ISC Event type se.
NOU Off E. Coast of N. Island, N.Z.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=52.4. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=46.8km s-min=27.2km az=131.0.
ISC IV 07 11 14 08.8–1.1 38.61S–.03 178.04E–.04 27–7 125 0-5
NOU IV 07 11 14 07.8 38.70S 178.10E 27 4.1 ¶612489403
WEL IV 07 11 14 09.7–.46 39S–3.0 178E–4.0 19–4 4.5L,3.9
ISC Event type se.
NOU Off E. Coast of N. Island, N.Z.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 08 10 01 16.2–1.2 36S–15 178E–12 162–16 3.8,3.8L ¶614544224
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC IV 09 07 26 08.4–1.3 37.29S–.04 177.40E–.03 10–11 99 0-5
NOU IV 09 07 26 08.1 37.29S 177.40E 4 3.5 ¶612489416
WEL IV 09 07 26 08.4–.47 37S–4.0 177E–3.0 12 3.4L,3.1
ISC Event type se.
NOU Off E. Coast of N. Island, N.Z.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC IV 11 09 01 13.9–1.7 37.32S–.05 179.28E–.06 17–8 4.3b 142 1-156
NOU IV 11 09 01 03.8 37.25S 179.95W 0 4.5 ¶610652443
IDC IV 11 09 01 12.5–1.6 36.71S 178.78E 0 4.4,4.4b
WEL IV 11 09 01 13.6–.73 37S–5.0 179E–6.0 12 4.4L,4.1
ISC Event type se.
NOU East of North Island, N.Z.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC IV 11 11 50 41.6–2.9 37.07S–.09 179.3E–.10 29–14 88 1-7
NOU IV 11 11 50 35.2 36.97S 179.62E 0 3.8 ¶612489430
WEL IV 11 11 50 41.9–.77 37S–4.0 179E–7.0 12 3.6L,3.4
ISC Event type se.
NOU Off E. Coast of N. Island, N.Z.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC IV 11 18 45 49.2–2.8 37.11S–.07 179.2E–.10 15–11 49 1-5
NOU IV 11 18 45 46.4 37.15S 179.39E 6 3.7 ¶612489433
WEL IV 11 18 45 50.6–.89 37S–4.0 179E–7.0 12 3.4L,3.0
ISC Event type se.
NOU Off E. Coast of N. Island, N.Z.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

ISC IV 11 19 03 59.8–2.8 37.09S–.08 179.4E–.10 7–12 67 1-5
NOU IV 11 19 03 54.9 37.03S 179.92E 0 4.0 ¶612489435
WEL IV 11 19 04 03.4–.98 37S–6.0 179E–8.0 10 3.7L,3.7
ISC Event type se.
NOU Off E. Coast of N. Island, N.Z.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC IV 11 20 51 26.1–2.8 37.11S–.07 179.1E–.10 18–5 28 1-5
NOU IV 11 20 51 18.9 37.10S 179.67E 0 3.8 ¶612489438
WEL IV 11 20 51 26.6–1.3 37S–6.0 179E–10 12 3.5L,3.2
ISC Event type se.
NOU Off E. Coast of N. Island, N.Z.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC IV 17 09 23 30.7–1.0 39.93S–.03 177.02E–.04 29–7 129 0-6
WEL IV 17 09 23 30.8–.47 40S–3.0 177E–4.0 23–3 4.0L,3.6 ¶612489493
NOU IV 17 09 23 30.3 39.74S 177.28E 4 4.0,3.6
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=118.3. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU Off E. Coast of N. Island, N.Z.
ISC IV 17 10 26 03.1–1.3 37.81S–.03 177.57E–.03 35 139 0-7
NOU IV 17 10 26 01.8 37.82S 177.62E 36 3.8 ¶612489494
WEL IV 17 10 26 02.5–.34 38S–4.0 178E–3.0 28–3 3.5L,3.3
ISC Event type se.
NOU Off E. Coast of N. Island, N.Z.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC IV 17 15 47 19.0–1.2 39.91S–.04 177.02E–.06 28–7 36 0-4
WEL IV 17 15 47 18.9–.53 40S–3.0 177E–6.0 23–3 3.3L,3.0 ¶612489495
NOU IV 17 15 47 22.0 39.46S 177.25E 0 3.5,3.0
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=106.0. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU Off E. Coast of N. Island, N.Z.
WEL IV 24 09 39 04.7–.54 40S–3.0 177E–4.0 28–5 3.5L,3.2
¶614545046
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC IV 24 19 36 37.4–2.9 37.06S–.08 179.3E–.10 11–11 71 1-5
NOU IV 24 19 36 08.0 36.13S 178.26W 0 4.7 ¶612489565
WEL IV 24 19 36 39.1–.76 37S–5.0 179E–7.0 12 3.7L,3.4
ISC Event type ke.
NOU East of North Island, N.Z.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC IV 24 19 41 23.4–2.9 37.04S–.07 179.1E–.10 14–10 78 1-5
NOU IV 24 19 41 12.9 36.91S 179.99W 0 4.1 ¶612489566
WEL IV 24 19 41 24.4–.84 37S–4.0 179E–6.0 12 3.6L,3.2
ISC Event type se.
NOU East of North Island, N.Z.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC IV 24 21 07 13.8–1.4 36.3S–.10 178.14E–.10 231–8 97 1-157
IDC IV 24 21 06 42.0–7.4 35.05S 179.54E 0 3.9,3.9b ¶610649921
NOU IV 24 21 07 06.0 35.81S 178.41E 271 4.3,3.9b
WEL IV 24 21 07 15.1–.87 36S–10 178E–12 208–10 4.0L,3.7
ISC Event type se.
NOU Off E. Coast of N. Island, N.Z.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 25 08 11 52.9–1.7 36S–10 179E–14 33 3.6L,3.3
¶614545087
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC IV 26 02 51 21.7–2.5 37.21S–.08 179.21E–.10 24–14 117 1-120
NOU IV 26 02 51 15.2 37.20S 179.72E 0 4.4 ¶610650027
WEL IV 26 02 51 23.4–.99 37S–5.0 179E–8.0 12 4.0L,3.9
IDC IV 26 02 51 26.0–5.3 38.00S 179.36E 75–36 3.8,3.7L
ISC Event type se.
NOU Off E. Coast of N. Island, N.Z.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=93.8. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=44.2km s-min=37.8km az=54.0.
ISC IV 26 04 42 18.1–.91 35.18S–.07 178.79E–.09 200 4.4b 123 2-153
NOU IV 26 04 41 33.7 32.80S 177.80W 350 4.4b ¶610598456
IDC IV 26 04 42 15.3–2.9 34.88S 178.88E 175–22 4.5,4.0b
WEL IV 26 04 42 18.8–1.2 35S–14 179E–13 152–38 4.3L,4.3
NEIC IV 26 04 42 19.6–1.5 35.4S–.10 178.9E–.20 227–9 4.4b,4.3
ISC Event type se.
NOU South of Kermadec Islands.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 26 18 03 23.8–1.0 37.96S–.03 177.53E–.03 64–6 129 0-11
NOU IV 26 18 03 22.1 38.08S 177.65E 80 4.0 ¶612489581
WEL IV 26 18 03 24.7–.43 38S–4.0 177E–3.0 36–6 4.0L,3.7
ISC Event type se.
NOU North Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 28 05 53 21.6–.96 35S–16 179E–21 213–16 4.1b,3.8L
¶614545219
WEL smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC IV 29 14 24 57.4–2.9 37.38S–.09 179.1E–.10 14–11 74 1-7
NOU IV 29 14 24 58.5 37.57S 179.12E 0 3.6 ¶612489608
WEL IV 29 14 24 59.9–1.5 37S–9.0 179E–9.0 14–7 3.8L,3.5
ISC Event type se.
NOU Off E. Coast of N. Island, N.Z.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC IV 30 05 57 16.9–2.7 36.8S–.10 177.8E–.10 230–12 124 1-10
NOU IV 30 05 57 10.6 36.30S 178.24E 277 4.3 ¶612489614
WEL IV 30 05 57 23.9–1.1 37S–9.0 178E–8.0 168–11 3.5L,3.4
ISC Event type se.
NOU Off E. Coast of N. Island, N.Z.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC IV 30 15 42 05.1–.92 39.33S–.02 177.19E–.03 34–2 4.2b 175 0-154
IDC IV 30 15 41 59.7–1.7 39.04S 177.35E 0 3.8,3.8b ¶610650428
NOU IV 30 15 42 04.6 39.40S 177.20E 22 4.4,3.8b
NEIC IV 30 15 42 04.1–.53 39.33S–.04 177.24E–.10 26–9 4.4b,3.8b
WEL IV 30 15 42 05.7–.53 39S–3.0 177E–3.0 28–5 4.7L,4.3
ISC Event type se.
NOU Off E. Coast of N. Island, N.Z.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC V 01 08 28 40.7–.59 37.28S–.05 177.70E–.05 147–5 4.6b 221 0-156
IDC V 01 08 28 37.4–3.5 36.74S 178.02E 108–25 4.4,4.1b ¶610669452
NEIC V 01 08 28 41.1–2.9 37.51S–.09 177.8E–.10 149–4 4.6b,4.1b
WEL V 01 08 28 41.6–.78 37S–5.0 178E–5.0 113–6 4.5L,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC V 05 22 29 48.2–1.4 37.97S–.03 177.82E–.03 48–8 95 0-5
NOU V 05 22 29 46.6 37.98S 177.95E 52 3.5 ¶612489655
WEL V 05 22 29 47.6–.35 38S–4.0 178E–3.0 37–4 3.4L,3.1
ISC Event type se.
NOU Off E. Coast of N. Island, N.Z.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC V 06 19 21 00.3–2.7 36.67S–.10 178.8E–.10 16–14 50 1-4
NOU V 06 19 20 09.1 34.65S 177.37W 0 4.4 ¶614545544
WEL V 06 19 21 01.9–1.0 37S–5.0 179E–7.0 12 3.1L,3.0
ISC Event type se.
NOU South of Kermadec Islands.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC V 09 06 19 57.0–.40 37.79S–.03 177.65E–.03 52–3 5.1b,3.9s 359 0-178
BJI V 09 06 19 54.4–.00 37.67S 178.17E 48 5.5b,5.3b ¶610667642
MOS V 09 06 19 55.0–1.2 37.73S 177.53E 41 5.1b,5.3b
NEIC V 09 06 19 56.8 37.78S 177.74E 50 5.1b,5.3b
NEIC V 09 06 19 56.2–3.4 37.73S–.08 177.77E–.09 50–4 5.1b,4.9
IDC V 09 06 19 57.5–1.5 37.73S 177.60E 56–11 4.8,4.6b
WEL V 09 06 19 58.4–.39 38S–4.0 178E–4.0 31–4 4.9L,4.7
GCMT V 09 06 19 59.9–.40 37.80S–.03 177.87E–.04 49–1 5.0W,4.7
ISC Event type se.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}2.17 $M_{\theta\theta}$-0.30 $M_{\phi\phi}$-1.87 $M_{r\theta}$-0.23 $M_{\theta\phi}$-0.78 $M_{\phi r}$0.94 NP1:ϕ_s215.21000°,δ36.52000°,λ111.48000°. NP2:ϕ_s9.12000°,δ56.38000°,λ74.83000°. Principal axes: T 2.4361,Plg74.0000°,Azm238.0000°; N -0.1006,Plg13.0000°,Azm18.0000°; P -2.3355,Plg10.0000°,Azm110.0000° $M_0$2.39000×10^{16}
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s47,c53; s44,c56;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.98±.22 $M_{\theta\theta}$-1.11±.16; $M_{\phi\phi}$-2.87±.14; $M_{r\theta}$0.37±.11; $M_{\theta\phi}$-0.81±.08; $M_{\phi r}$1.04±.10; Best double couple: NP1:ϕ_s21.00000°,δ54.00000°,λ90.00000°. NP2:ϕ_s202.00000°,δ36.00000°,λ91.00000°. Principal axes: T 4.1470,Plg81.0000°,Azm289.0000°; N -0.7930,Plg0.0000°,Azm21.0000°; P -3.3530,Plg9.0000°,Azm111.0000° $M_0$3.75000×10^{16}
ISC V 12 15 32 25.0–1.3 37.16S–.05 179.20E–.06 33–5 4.8b,3.5s 207 1-156
WEL V 12 15 32 24.7–.89 37S–4.0 179E–7.0 12 4.6L,4.4 ¶610634663
IDC V 12 15 32 27.5–6.0 37.06S 179.11E 50–46 4.6,4.4b
NEIC V 12 15 32 27.1–2.3 37.40S–.10 179.11E–.08 60–9 4.8b,4.4b
NOU V 12 15 32 27.1 37.29S 179.03E 41 4.6b,4.4b
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=91.6. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=39.1km s-min=30.2km az=71.0.
NEIC Event type se. Error ellipse: s-maj=14.2km s-min=9.6km az=171.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Off E. Coast of N. Island, N.Z.
ISC V 12 19 59 41.6–.46 37.31S–.02 177.82E–.03 92–3 4.3b 176 0-156
IDC V 12 19 59 29.5–.95 36.56S 178.32E 0 4.3,4.3b ¶610690148
NOU V 12 19 59 40.8 37.04S 178.00E 41 4.2,4.3b
WEL V 12 19 59 41.3–.71 37S–5.0 178E–5.0 33 4.1L,3.9
NEIC V 12 19 59 41.4–1.5 37.3S–.10 177.8E–.10 74–6 4.3b,3.9
ISC Event type se.
NOU Off E. Coast of N. Island, N.Z.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 15 00 39 25.8–1.1 37.44S–.07 177.32E–.07 181–7 129 0-150
IDC V 15 00 39 08.3–7.8 35.33S 177.71E 0 3.4,3.4b ¶610690307
NOU V 15 00 39 21.2 37.27S 177.58E 216 3.8,3.4b
WEL V 15 00 39 27.7–1.0 37S–6.0 177E–6.0 149–8 3.7,3.7
ISC Event type se.
NOU Off E. Coast of N. Island, N.Z.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC V 17 16 00 14.6–2.6 37.16S–.07 179.4E–.10 11–13 60 1-8
NOU V 17 16 00 10.7 37.15S 179.70E 0 4.1 ¶612489736
WEL V 17 16 00 17.5–1.1 37S–5.0 179E–9.0 12 3.6L,3.3
ISC Event type se.
NOU Off E. Coast of N. Island, N.Z.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC V 17 17 32 48.8–1.2 36.56S–.07 178.26E–.08 134–7 4.0b 127 1-156
NOU V 17 17 32 36.7 36.29S 179.14E 215 4.6 ¶610690507
IDC V 17 17 32 44.2–6.2 36.26S 178.52E 92–48 4.1,3.8b
WEL V 17 17 32 48.5–.97 36S–7.0 178E–7.0 116–13 3.8L,3.6
ISC Event type se.
NOU Off E. Coast of N. Island, N.Z.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL V 17 21 38 36.3–1.3 37S–9.0 177E–11 175–12 3.2L,2.9
¶614546024
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC V 17 22 03 17.0–2.4 37.1S–.10 177.01E–.08 240–12 101 1-9
NOU V 17 22 03 19.1 37.10S 177.04E 230 3.6 ¶612489738
WEL V 17 22 03 22.3–.74 37S–6.0 177E–6.0 198–6 3.5,3.5
ISC Event type se.
NOU Off E. Coast of N. Island, N.Z.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC V 17 22 07 38.0–2.4 37.26S–.06 179.12E–.09 8–13 82 1-151
NOU V 17 22 07 33.6 37.22S 179.52E 0 4.3 ¶610690529
IDC V 17 22 07 39.8–2.9 36.94S 178.55E 0 4.1,4.1b
WEL V 17 22 07 41.4–1.0 37S–4.0 179E–8.0 12 4.1L,3.7
ISC Event type se.
NOU Off E. Coast of N. Island, N.Z.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL V 18 00 46 22.4–1.1 37S–5.0 179E–8.0 12 3.6L,3.2
¶614546037
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC V 18 18 58 31.5–1.3 37.11S–.07 177.38E–.07 205–7 123 1-156
NOU V 18 18 58 30.0 36.91S 177.42E 194 3.2 ¶610690613
WEL V 18 18 58 32.3–.97 37S–6.0 177E–6.0 172–12 3.3,3.3
IDC V 18 18 58 33.2–1.4 37.34S 176.97E 180–11 3.7,3.2b
ISC Event type se.
NOU Off E. Coast of N. Island, N.Z.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=55.2. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=35.0km s-min=27.2km az=109.0.
ISC V 20 13 39 34.1–2.6 37.89S–.08 179.9E–.10 7–13 50 1-151
IDC V 20 13 39 36.4–2.9 37.19S 179.39E 0 3.5,3.5b ¶610685028
WEL V 20 13 39 38.6–1.5 38S–16 180E–24 20–38 4.0L,3.6
ISC Event type se.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC V 21 11 06 25.7–1.6 36.16S–.09 178.6E–.10 150 4.1b 116 1-149
NOU V 21 11 06 08.9 35.53S 179.84E 248 4.8 ¶610685081
WEL V 21 11 06 24.9–1.2 36S–11 179E–10 121–26 4.0L,3.8

NEIC V 21 11 06 29.4–.60 36.3S–.10 177.9E–.20 125–10 4.3b,3.8
IDC V 21 11 06 32.2–2.6 37.08S 178.51E 212–14 3.9,3.3b
ISC Event type se.
NOU Off E. Coast of N. Island, N.Z.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=39.3.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=26.2km s-min=19.6km az=119.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=45.3km s-min=35.8km az=126.0.
ISC V 24 14 28 26.7–1.6 37.25S–.07 177.34E–.06 100 49 1-4
WEL V 24 14 28 22.9–1.5 37S–9.0 177E–9.0 125–13 2.5L,2.5 ¶612489805
ISC Event type ke.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC V 26 03 17 54.9–3.1 35.4S–.10 178.7E–.20 250 50 2-8
NOU V 26 03 17 40.1 34.61S 179.77E 315 4.3 ¶612489822
WEL V 26 03 17 57.6–1.1 36S–9.0 178E–16 268–11 4.3b,4.1L
ISC Event type se.
NOU South of Kermadec Islands.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC V 31 07 18 03.5–.79 37.35S–.05 177.80E–.04 66–5 4.5b 154 0-156
NOU V 31 07 17 56.4 37.32S 178.43E 131 4.4 ¶614563312
WEL V 31 07 18 04.2–.53 37S–4.0 178E–4.0 33–5 4.2L,4.1
IDC V 31 07 18 05.9–1.7 37.53S 177.52E 84–11 4.1,3.7b
ISC Event type se.
NOU Off E. Coast of N. Island, N.Z.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=46.1. smi:nz.org.geonet/LOCSAT.
earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=29.5km s-min=24.2km az=65.0.
ISC VI 01 00 54 00.5–3.5 37.05S–.09 179.3E–.10 15–27 77 1-6
NOU VI 01 00 53 55.2 36.85S 179.62E 0 3.9 ¶612489907
WEL VI 01 00 54 02.9–.89 37S–4.0 179E–7.0 12 3.6L,3.3
ISC Event type se.
NOU Off E. Coast of N. Island, N.Z.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC VI 01 07 13 19.6–2.0 37.34S–.07 177.07E–.07 189–11 117 1-9
NOU VI 01 07 13 18.6 37.37S 177.29E 219 3.5 ¶612489908
WEL VI 01 07 13 24.0–.76 37S–4.0 177E–5.0 148–7 2.9L,2.8
ISC Event type se.
NOU Off E. Coast of N. Island, N.Z.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC VI 01 17 00 21.1–2.6 37.10S–.07 179.3E–.10 9–11 76 1-7
NOU VI 01 17 00 11.1 36.89S 179.76W 0 4.2 ¶612489913
WEL VI 01 17 00 25.9–.95 37S–5.0 179E–7.0 12–4 3.5L,3.3
ISC Event type se.
NOU East of North Island, N.Z.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL VI 03 16 25 44.0–1.1 36S–11 179E–14 208–12 3.9L,3.6
¶614547156
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC VI 04 01 27 46.4–1.4 35.52S–.08 179.8E–.10 76 3.7b 87 2-153
IDC VI 04 01 27 36.7–1.5 35.00S 179.92E 0 3.9L,3.8 ¶610791202
NOU VI 04 01 27 42.4 35.33S 179.96E 112 4.3,3.8
WEL VI 04 01 27 47.0–1.3 36S–8.0 180E–13 153–15 4.4b,4.4L
ISC Event type se.
NOU Off E. Coast of N. Island, N.Z.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC VI 05 09 27 41.1–1.1 39.35S–.03 177.81E–.04 32–8 133 0-8
NOU VI 05 09 27 41.2 39.40S 177.72E 17 4.1 ¶612489945
WEL VI 05 09 27 42.3 39S–3.0 178E–5.0 29–6 3.8L,3.5
ISC Event type se.
NOU Off E. Coast of N. Island, N.Z.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID
smi:org.gfz-potsdam.de/geofon/nz3drx. manual. confirmed.
ISC VI 05 19 11 31.3–2.5 37.93S–.06 178.8E–.10 20–7 42 0-4
NOU VI 05 19 11 14.2 37.24S 179.84W 158 3.7 ¶612489952
WEL VI 05 19 11 32.7–1.3 38S–7.0 179E–8.0 21–6 3.1L,2.8
ISC Event type se.
NOU East of North Island, N.Z.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL VI 06 03 45 27.7–.48 39S–3.0 178E–3.0 23–3 3.5L,3.2
¶614547295
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL VI 06 04 09 36.3–.50 39S–4.0 178E–3.0 24–4 3.5L,3.2
¶614547297
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC VI 06 17 14 58.4–4.1 37.2S–.10 179.3E–.30 33 29 1-5
NOU VI 06 17 14 49.6 37.16S 179.92E 0 3.7 ¶612489962
WEL VI 06 17 15 12.3 38S–24 178E–14 43–18 2.5L,2.3
ISC Event type ke.
NOU Off E. Coast of N. Island, N.Z.
WEL smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID
smi:org.gfz-potsdam.de/geofon/nz3drx. automatic.
WEL VI 07 01 46 18.9–.62 39S–4.0 178E–4.0 20–4 3.5L,3.2
¶614547345
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC VI 11 23 42 17.1–1.0 37.32S–.06 177.86E–.05 66–7 114 0-156
IDC VI 11 23 42 17.8–4.4 37.44S 177.86E 73–33 3.6,3.3b ¶610791684
WEL VI 11 23 42 18.5–.64 37S–5.0 178E–4.0 30 3.8L,3.5
ISC Event type se.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC VI 14 03 37 53.8–.65 35.78S–.06 178.52E–.09 212 3.9b 102 2-157
NOU VI 14 03 37 43.7 35.43S 179.18E 285 4.4 ¶610760941
IDC VI 14 03 37 52.1–1.8 35.57S 178.33E 190–15 4.3,3.8b
WEL VI 14 03 37 55.8–.68 36S–5.0 178E–7.0 226–6 4.7L,4.7b
ISC Event type se.
NOU Off E. Coast of N. Island, N.Z.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL VI 15 00 09 57.6–4.3 35S–24 179E–26 235–29 4.1L,3.7
¶614547663
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC VI 15 15 23 47.7–.90 36.27S–.07 179.23E–.09 100 4.3b 134 1-150
NOU VI 15 15 23 35.3 35.70S 179.75W 152 4.5 ¶610791948
IDC VI 15 15 23 46.0–6.0 35.77S 178.83E 66–48 4.0,3.9L
WEL VI 15 15 23 47.1–2.2 36S–18 179E–18 103–38 4.4L,4.2
NEIC VI 15 15 23 50.4–1.8 36.4S–.10 179.1E–.10 119–7 4.4b,4.2
ISC Event type se.
NOU East of North Island, N.Z.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 18 22 40 06.2–1.7 37.14S–.08 179.1E–.10 46 86 1-150
IDC VI 18 22 40 03.0–2.8 36.85S 178.61E 0 3.9,3.9b ¶610792150
WEL VI 18 22 40 04.6–1.2 37S–6.0 179E–10 5 3.9L,3.6
ISC Event type se.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC VI 20 00 22 25.4–2.9 37.19S–.08 179.3E–.20 10 51 1-6
NOU VI 20 00 22 20.9 37.16S 179.55E 0 4.0 ¶612490071
WEL VI 20 00 22 27.3–1.2 37S–7.0 179E–11 12 3.6L,3.2
ISC Event type se.
NOU Off E. Coast of N. Island, N.Z.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC VI 22 22 26 30.0–.97 35.24S–.07 179.6E–.10 150 4.1b 117 3-158
NOU VI 22 22 25 42.6 32.91S 176.94W 102 4.8b ¶610789300
WEL VI 22 22 26 05.5–6.8 34S–40 179W–46 223–66 5.3L,5.1
IDC VI 22 22 26 11.8–1.1 34.15S 179.99W 0 4.4,4.4b
NEIC VI 22 22 26 19.4–1.3 34.58S–.09 179.6E–.10 33–8 4.1b,4.4b
ISC Event type se.
NOU South of Kermadec Islands.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 23 15 32 55.0–1.9 37.75S–.05 177.34E–.06 151–10 99 0-8
NOU VI 23 15 32 55.9 37.77S 177.44E 144 3.6 ¶612490112
WEL VI 23 15 33 00.2–.78 38S–6.0 177E–6.0 99–8 3.0,3.0
ISC Event type se.
NOU Off E. Coast of N. Island, N.Z.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC VI 23 19 09 47.9–1.6 36.7S–.10 178.7E–.10 200 88 1-150
NOU VI 23 19 09 39.4 35.98S 178.57E 214 4.8 ¶610789357
WEL VI 23 19 09 39.3–4.9 36S–24 179E–30 160–52 4.3L,4.3
IDC VI 23 19 09 49.3–2.9 36.76S 178.56E 201–22 4.0,3.4b
ISC Event type se.
NOU Off E. Coast of N. Island, N.Z.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=52.0.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=53.8km s-min=38.8km az=138.0.
WEL VI 24 06 47 29.8–1.3 36S–7.0 180E–13 33 3.9L,3.5
¶614548098
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC VI 28 02 05 23.9–2.0 37.17S–.06 179.24E–.07 17–10 4.2b 131 1-156
NOU VI 28 02 05 16.2 37.09S 179.90E 0 4.6 ¶610789609
IDC VI 28 02 05 20.9–1.3 36.77S 179.15E 0 4.4L,4.3
WEL VI 28 02 05 27.8–1.3 37S–5.0 179E–9.0 20–7 4.4L,4.1
ISC Event type se.
NOU Off E. Coast of N. Island, N.Z.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC VI 28 17 47 03.9–.95 37.24S–.06 178.94E–.07 10 3.9b 130 1-153
NOU VI 28 17 46 50.4 37.13S 179.83W 0 4.6 ¶610789656
IDC VI 28 17 47 01.2–1.4 36.90S 178.90E 0 3.9,3.9b
WEL VI 28 17 47 05.7–1.1 37S–4.0 179E–9.0 12 4.1L,4.0
ISC Event type se.
NOU East of North Island, N.Z.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC VI 29 15 06 25.6–1.0 37.28S–.04 177.47E–.03 10 109 0-6
WEL VI 29 15 06 25.5–.67 37S–5.0 177E–3.0 12 3.7L,3.4 ¶612490166
NOU VI 29 15 06 25.6 37.32S 177.45E 13 3.7,3.4
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=17.8.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU Off E. Coast of N. Island, N.Z.
ISC VI 30 05 56 55.3–1.6 36.82S–.06 177.20E–.05 31–11 3.9b,3.8s 40 1-156
WEL VI 30 05 56 44.2–.70 37S–5.0 177E–4.0 5 4.4L,3.3 ¶616640070
NOU VI 30 05 56 44.4 36.77S 177.25E 0 4.3,3.3
IDC VI 30 05 56 56.0–1.2 37.90S 176.26E 0 3.9,3.9b
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=35.3. smi:nz.org.geonet/LOCSAT.
earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
NOU Off E. Coast of N. Island, N.Z.
IDC Error ellipse: s-maj=42.6km s-min=9.2km az=24.0.
ISC VI 30 06 08 30.5–1.5 36.76S–.05 177.30E–.04 16–11 105 1-7
NOU VI 30 06 08 29.9 36.81S 177.23E 0 3.8 ¶612490172
WEL VI 30 06 08 31.1–.62 37S–5.0 177E–4.0 12 3.8L,3.6
ISC Event type se.
NOU Off E. Coast of N. Island, N.Z.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual.
confirmed.
WEL VI 30 06 16 38.3–.71 37S–5.0 177E–5.0 12 3.8L,3.4
¶614563360
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual.
confirmed.
WEL VI 30 06 34 19.7–.68 37S–5.0 177E–5.0 12 3.8L,3.4
¶614563350
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual.
confirmed.
ISC VI 30 06 39 09.3–1.6 36.74S–.05 177.31E–.04 7–11 137 1-9
WEL VI 30 06 39 11.1–.68 37S–5.0 177E–4.0 5 4.3L,4.0 ¶611401541
NOU VI 30 06 39 11.7 36.84S 177.28E 8 4.3,4.0
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=34.8. smi:nz.org.geonet/LOCSAT.
earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
NOU Off E. Coast of N. Island, N.Z.
ISC VI 30 19 42 15.1–2.5 37.68S–.06 179.87E–.07 9–14 4.1b 141 1-151
NEIC VI 30 19 42 15.7–2.3 37.8S–.10 179.70E–.05 10–2 4.3b ¶610789810
WEL VI 30 19 42 17.6–.71 38S–5.0 180E–5.0 12 4.3L,4.0
NOU VI 30 19 42 17.5 37.76S 179.72E 12 4.2,4.0
IDC VI 30 19 42 22.7–4.8 38.26S 179.66E 75–34 4.2,3.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.1km s-min=4.9km az=12.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=3.5. smi:nz.org.geonet/LOCSAT.
earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
NOU Off E. Coast of N. Island, N.Z.
IDC Error ellipse: s-maj=37.2km s-min=34.4km az=82.0.

(161) Off west coast of South Island.

WEL I 13 03 57 24.7–1.3 46S–5.0 167E–6.0 91–10 3.6L,3.4
¶614538848
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC II 05 09 35 58.1–.39 45.42S–.04 166.21E–.04 9 4.7b,4.3s 171 1-161
WEL II 05 09 35 00 45.41S 166.17E 8 5.1W,5.1L ¶610197950
NOU II 05 09 35 55.1 45.35S 166.04E 0 5.0b,5.1L
WEL II 05 09 35 56.6–1.4 45S–4.0 166E–10 5 5.1L,5.1
IDC II 05 09 35 56.5–.63 45.39S 166.41E 0 4.2s,4.2
NEIC II 05 09 35 58.5–2.2 45.47S–.10 166.3E–.10 10–5 4.8b,4.2
GCMT II 05 09 36 01.5–.20 45.39S–.02 165.97E–.01 14–0 5.2W,4.2
ISC Event type se.
WEL Moment Tensor Solution. s12 Moment tensor: Scale 10^{16}Nm; M_{rr}5.26 $M_{\theta\theta}$0.40 $M_{\phi\phi}$-5.67
$M_{r\theta}$-0.31 $M_{\theta\phi}$-0.29 $M_{\phi r}$-1.29 NP1:ϕ_s360.00000°,δ38.00000°,λ86.00000°. NP2:ϕ_s185.00000°
,δ52.00000°,λ93.00000°. Principal axes: T -5834.5100,Plg83.0000°,Azm112.0000°
; N 405.8000,Plg2.0000°,Azm3.0000°; P 5428.7100,Plg7.0000°,Azm273.0000°
$M_0$5.63000×10^{16}
NOU Off W. Coast of S. Island, N.Z.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s80,c101; s114,c185;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}4.55±.17 $M_{\theta\theta}$-0.30±.10; $M_{\phi\phi}$-4.24±.12; $M_{r\theta}$-0.54±.24; $M_{\theta\phi}$-1.26±.08; $M_{\phi r}$-4.93±.34; Best double couple: NP1:ϕ_s189.00000°,δ69.00000°,λ85.00000°. NP2:ϕ_s24.00000°,δ22.00000°,λ104.00000°. Principal axes: T 6.7600,Plg66.0000° ,Azm90.0000°; N -0.0130,Plg5.0000°,Azm191.0000°; P -6.7420,Plg24.0000°,Azm283.0000° $M_0$6.75100×10^{16}
ISC II 08 11 58 32.7–1.7 40.98S–.06 172.82E–.05 195–9 88 0-6
NOU II 08 11 58 33.5 40.95S 172.81E 197 3.6 **¶612488686**
WEL II 08 11 58 36.9–.78 41S–6.0 173E–5.0 162–5 2.8,2.8
ISC Event type se.
NOU Off W. Coast of S. Island, N.Z.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC II 24 09 46 10.3–2.3 47.64S–.06 165.62E–.06 16–14 4.3b,3.9s 175 2-153
NOU II 24 09 46 09.4 47.75S 165.75E 0 4.6b,3.9s **¶610384926**
NEIC II 24 09 46 09.8–2.0 47.69S–.05 165.7E–.20 23–7 4.4b,3.9s
IDC II 24 09 46 09.4–.93 47.50S 165.90E 0 4.1,4.1b
GCMT II 24 09 46 19.0–.40 47.52S–.02 165.43E–.03 18–2 4.8W,4.1b
ISC Event type se.
NOU Off W. Coast of S. Island, N.Z.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. Moment Tensor Solution. s17,c20; s71,c94;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.23±.13 $M_{\theta\theta}$1.72±.10; $M_{\phi\phi}$-1.49±.10; $M_{r\theta}$0.51±.23; $M_{\theta\phi}$1.16±.09; $M_{\phi r}$-0.30±.26; Best double couple: NP1:ϕ_s296.00000°,δ87.00000° ,λ-17.00000°. NP2:ϕ_s27.00000°,δ73.00000°,λ-176.00000°. Principal axes: T 2.1610,Plg9.0000°,Azm343.0000°; N -0.1840,Plg73.0000°,Azm105.0000° ; P -1.9780,Plg14.0000°,Azm251.0000° $M_0$2.06900×10^{16}
ISC III 16 10 15 32.6–1.7 40.69S–.03 172.15E–.05 1–13 101 0-5
NOU III 16 10 15 34.2 40.72S 172.14E 0 3.5 **¶612489123**
WEL III 16 10 15 35.0–.68 41S–3.0 172E–4.0 2 3.4L,3.1
ISC Event type se.
NOU Off W. Coast of S. Island, N.Z.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC IV 01 18 30 10.0–2.1 43.96S–.05 167.68E–.06 14–14 58 1-12
NOU IV 01 18 30 09.7 43.94S 167.60E 11 4.1 **¶612489343**
WEL IV 01 18 30 10.6–.74 44S–4.0 168E–5.0 12 3.8L,3.6
ISC Event type se.
NOU Off W. Coast of S. Island, N.Z.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC IV 13 23 24 26.5–1.6 45.34S–.04 166.72E–.08 6–12 34 0-4
NOU IV 13 23 24 26.7 45.36S 166.78E 0 3.7 **¶612489460**
WEL IV 13 23 24 26.6–.85 45S–3.0 167E–5.0 5 3.4L,3.0
ISC Event type se.
NOU Off W. Coast of S. Island, N.Z.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC IV 22 03 24 04.5–1.0 40.92S–.03 172.51E–.04 13–7 69 0-4
WEL IV 22 03 24 04.5–.41 41S–2.0 173E–3.0 5 3.4L,3.1 **¶612489530**
NOU IV 22 03 24 04.7 40.83S 172.38E 2 3.5,3.1
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=91.7. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU Off W. Coast of S. Island, N.Z.
WEL IV 27 08 56 59.5–.89 45S–4.0 167E–5.0 5 3.6L,3.6
¶614545188
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC V 01 00 11 11.4–1.0 45.36S–.05 166.85E–.05 24–8 104 0-149
IDC V 01 00 11 06.9–2.1 45.28S 169.13E 0 3.4s,3.2 **¶610689268**
NOU V 01 00 11 10.0 45.37S 166.85E 6 4.6,3.2
NEIC V 01 00 11 12.0–1.2 45.41S–.08 166.9E–.10 27–10 4.4L,3.2
ISC Event type se.
NOU Off W. Coast of S. Island, N.Z.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 06 09 05 46.1–1.9 45.75S–.05 166.58E–.07 3–12 44 0-7
NOU V 06 09 05 46.9 45.70S 166.67E 0 3.5 **¶612489658**
WEL V 06 09 05 46.1–.95 46S–3.0 167E–6.0 5 3.3L,3.1
ISC Event type se.
NOU Off W. Coast of S. Island, N.Z.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC V 06 09 13 02.0–1.9 45.69S–.05 166.5E–.10 15 33 0-7
WEL V 06 09 13 01.9–1.0 46S–4.0 167E–8.0 5–3 3.6L,3.2 **¶612489659**
NOU V 06 09 13 02.2 45.69S 166.64E 0 3.5,3.2
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=104.9. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU Off W. Coast of S. Island, N.Z.
ISC V 06 15 03 34.9–1.4 45.19S–.04 166.83E–.05 9–9 104 0-152
IDC V 06 15 03 33.2–1.5 45.15S 167.26E 0 3.5,3.3L **¶610689672**
NOU V 06 15 03 34.3 45.17S 166.73E 0 4.5b,3.3L
ISC Event type ke.
IDC Error ellipse: s-maj=48.8km s-min=32.6km az=162.0.
NOU Off W. Coast of S. Island, N.Z.
NOU V 16 10 12 35.0 47.20S 165.35E 14 4.4b
¶611401078
NOU Off W. Coast of S. Island, N.Z.
ISC V 20 17 27 54.4–1.7 45.43S–.04 166.67E–.07 2–12 51 0-11
NOU V 20 17 27 54.3 45.42S 166.66E 0 4.2 **¶612489768**
WEL V 20 17 27 55.6–1.1 45S–4.0 167E–6.0 7–3 3.9L,3.7
ISC Event type se.
NOU Off W. Coast of S. Island, N.Z.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL V 21 00 01 56.5–.78 46S–3.0 167E–4.0 5 3.9L,3.8
¶614546150
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL V 23 23 41 43.2–1.5 45S–4.0 167E–9.0 3–4 3.8L,3.7
¶614546289
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL VI 16 21 44 25.9–1.4 46S–9.0 166E–9.0 12 3.8L,3.6
¶614547778
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL VI 20 11 56 08.6–.80 41S–4.0 172E–5.0 5 2.5L,2.2
¶614547931
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC VI 25 09 58 28.0–2.2 46.17S–.07 166.31E–.07 11–13 38 0-145
IDC VI 25 09 58 26.5–2.6 46.09S 166.27E 0 3.6L,3.5 **¶610789438**
WEL VI 25 09 58 30.1–1.9 46S–9.0 166E–12 21–5 3.7L,3.5
ISC Event type se.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC VI 28 15 23 08.6–1.5 47.4S–.10 166.06E–.07 16 3.4s 81 1-151
WEL VI 28 15 23 07.6–1.5 47S–11 166E–8.0 5 4.6L,4.5 **¶610789646**
IDC VI 28 15 23 11.1–4.3 46.48S 165.67E 0 3.9,3.8b
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=1.2. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=114.7km s-min=25.4km az=167.0.

(162) South Island.

WEL I 01 01 21 29.0–.28 42S–2.0 173E–3.0 10–2 3.5L,3.2
¶614537791
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL I 01 02 02 15.3–.28 43S–2.0 173E–3.0 11–3 3.3,3.3
¶614537794
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL I 01 02 14 26.0–.33 42S–2.0 174E–4.0 21–3 3.1L,3.1
¶614537795
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC I 01 04 02 60.0–1.6 42.32S–.03 173.95E–.04 3–12 61 0-5
WEL I 01 04 03 01.4–.38 42S–2.0 174E–3.0 11–2 3.2L,3.0 **¶612488226**
NOU I 01 04 03 01.5 42.36S 173.95E 9 3.6,3.0
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=118.8. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU South Island, New Zealand.
WEL I 01 11 24 55.9 41S–5.0 174E–5.0 76–5 3.4,3.4
¶614537826
WEL Event type se. smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID smi:org.gfz-potsdam.de/geofon/nz3drx. manual. confirmed.
WEL I 01 14 58 28.2–.49 42S–3.0 173E–2.0 3–3 2.6L,2.4
¶614537838
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL I 01 15 40 03.9–.61 42S–3.0 174E–3.0 6–4 2.6L,2.2
¶614537844
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL I 01 19 48 07.3–.35 43S–3.0 173E–4.0 12–3 2.9L,2.8
¶615952725
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL I 01 22 53 36.3 43S–5.0 172E–7.0 13–11 3.1L,2.8
¶616010446
WEL smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID smi:org.gfz-potsdam.de/geofon/nz3drx. automatic.
ISC I 02 03 08 46.1–1.1 42.62S–.04 173.54E–.04 13–7 109 0-6
NOU I 02 03 08 45.4 42.67S 173.59E 5 4.1 **¶612488237**
WEL I 02 03 08 47.3–.43 43S–3.0 173E–5.0 11–3 4.0L,3.8
ISC Event type se.
NOU South Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC I 02 09 47 17.6–.86 42.44S–.02 173.67E–.03 20–4 4.2b,3.1s 233 0-164
WEL I 02 09 47 00 42.34S 173.53E 11 4.6L,4.1W **¶610236457**
IDC I 02 09 47 15.2–1.0 42.26S 173.63E 0 4.1,4.0b
NOU I 02 09 47 17.1 42.53S 173.71E 5 4.7,4.0b
WEL I 02 09 47 19.4–.49 42S–3.0 174E–4.0 6–4 4.8L,4.6
NEIC I 02 09 47 19.1–1.2 42.45S–.04 173.62E–.06 24–3 4.4b,4.6
ISC Event type se.
WEL Moment Tensor Solution. s8 Moment tensor: Scale 10^{15}Nm; M_{rr}1.15 $M_{\theta\theta}$-1.30 $M_{\phi\phi}$0.15 $M_{r\theta}$0.41 $M_{\theta\phi}$-1.33 $M_{\phi r}$1.05 NP1:ϕ_s273.00000°,δ42.00000°,λ146.00000°. NP2:ϕ_s30.00000° ,δ68.00000°,λ53.00000°. Principal axes: T -232.3000,Plg52.0000°,Azm257.0000° ; N 45.8300,Plg33.0000°,Azm45.0000°; P 186.4700,Plg15.0000°,Azm146.0000° $M_0$2.09000×10^{15}
NOU South Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 03 02 28 41.9–1.1 42.57S–.02 171.90E–.03 11–9 77 0-6
WEL I 03 02 28 42.2–.32 43S–2.0 172E–2.0 4–2 3.5L,3.3 **¶612488260**
NOU I 03 02 28 44.5 42.64S 172.00E 71 3.8,3.3
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=115.0. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU South Island, New Zealand.
ISC I 03 15 31 27.8–1.3 42.73S–.03 172.81E–.03 3–12 84 0-6
NOU I 03 15 31 28.6 42.81S 172.86E 14 4.0 **¶612488265**
WEL I 03 15 31 29.0–.32 43S–3.0 173E–3.0 8–4 3.6L,3.4
ISC Event type se.
NOU South Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC I 03 16 44 06.1–.91 42.05S–.02 173.71E–.03 29–7 3.5b 125 0-150
IDC I 03 16 44 06.7–3.0 42.08S 173.79E 39–28 3.8,3.7b **¶610236570**
WEL I 03 16 44 06.2–.41 42S–3.0 174E–3.0 7–4 3.9L,3.7
NOU I 03 16 44 06.8 42.18S 173.76E 20 4.0,3.7
ISC Event type se.
IDC Error ellipse: s-maj=36.7km s-min=22.0km az=123.0.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=122.8. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU South Island, New Zealand.
ISC I 04 05 31 40.6–1.1 42.39S–.03 173.99E–.04 13–9 79 0-5
WEL I 04 05 31 41.0–.46 42S–2.0 174E–3.0 11–3 3.4L,3.3 **¶612488271**
NOU I 04 05 31 40.8 42.43S 174.02E 9 3.8,3.3
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=129.8. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU Off E. Coast of S. Island, N.Z.
ISC I 04 09 44 55.4–1.2 42.12S–.03 173.91E–.03 5–11 110 0-7
NOU I 04 09 44 56.7 42.23S 173.95E 17 4.0 **¶612488274**
WEL I 04 09 44 56.0–.38 42S–2.0 174E–3.0 7–3 3.9L,3.7
ISC Event type se.
NOU South Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC I 04 15 13 27.8–1.0 42.66S–.03 173.17E–.04 10 57 0-6
NOU I 04 15 13 26.9 42.80S 173.30E 7 3.7 **¶612488281**
WEL I 04 15 13 27.3 43S–4.0 173E–9.0 28–12 4.9b,4.2
ISC Event type ke.
NOU South Island, New Zealand.
WEL smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID smi:org.gfz-potsdam.de/geofon/nz3drx. automatic.
ISC I 04 19 46 26.3–1.1 42.73S–.03 172.83E–.03 13–10 90 0-6
WEL I 04 19 46 26.5–.31 43S–3.0 173E–3.0 11–3 3.5L,3.3 **¶612488282**
NOU I 04 19 46 26.9 42.82S 172.93E 18 4.0,3.3
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=132.3. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU South Island, New Zealand.
ISC I 05 02 48 15.4–1.3 42.56S–.03 173.16E–.04 20–5 54 0-5
WEL I 05 02 48 15.0–.38 43S–3.0 173E–5.0 16–4 3.1L,3.0 **¶612488285**
NOU I 05 02 48 15.9 42.49S 172.77E 0 3.6,3.0
ISC Event type se.

WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=115.8.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU South Island, New Zealand.
ISC I 05 05 20 59.5–1.2 41.64S–.03 173.12E–.03 12–13 49 0-5
NOU I 05 05 20 59.4 41.64S 173.06E 3 3.5 **¶612488286**
WEL I 05 05 20 59.1 42S–4.0 173E–5.0 12–7 3.1L,2.9
ISC Event type ke.
NOU South Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID
smi:org.gfz-potsdam.de/geofon/nz3drx. automatic.
ISC I 05 06 57 31.6–1.2 42.54S–.02 173.06E–.03 8–11 89 0-6
NOU I 05 06 57 31.4 42.60S 173.02E 0 3.9 **¶612488287**
WEL I 05 06 57 32.0–.32 43S–2.0 173E–3.0 10–3 3.6L,3.4
ISC Event type se.
NOU South Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC I 05 10 34 56.0–1.1 42.35S–.03 173.70E–.03 13–7 176 0-40
NOU I 05 10 34 55.8 42.45S 173.81E 9 4.5 **¶610570441**
NEIC I 05 10 34 56.8–2.2 42.32S–.03 173.63E–.04 11–8 4.3b,4.0
WEL I 05 10 34 56.9 42S–4.0 174E–6.0 10–6 4.6L,4.4
NEIC I 05 10 34 56.8 42.32S 173.63E 11 4.6L,4.4
ISC Event type se.
NOU South Island, New Zealand.
NEIC Event type se. Error ellipse: s-maj=4.7km s-min=3.9km az=200.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}0.08 $M_{\theta\theta}$0.97 $M_{\phi\phi}$-1.05 $M_{r\theta}$0.37 $M_{\theta\phi}$-0.22
$M_{\phi r}$0.16 NP1:ϕ_s49.99000°,δ83.99000°,λ159.31000°. NP2:ϕ_s142.25000°,δ69.43000°
,λ6.42000°. Principal axes: T 1.1131,Plg19.0000°,Azm4.0000°; N -0.0041,Plg68.0000°
,Azm215.0000°; P -1.1090,Plg10.0000°,Azm98.0000° $M_0$1.11000×10^{15}
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=68.4.
smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID
smi:org.gfz-potsdam.de/geofon/nz3drx. manual. confirmed.
NEIC Event type se.
ISC I 05 17 37 31.4–.99 42.57S–.02 173.55E–.04 9–8 86 0-6
NOU I 05 17 37 30.0 42.68S 173.63E 0 3.7 **¶612488294**
WEL I 05 17 37 33.0–.43 42S–3.0 173E–3.0 5–3 3.6L,3.3
ISC Event type se.
NOU South Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC I 05 18 46 28.9–1.1 42.39S–.03 173.91E–.04 9–9 84 0-5
NOU I 05 18 46 28.0 42.52S 174.01E 5 3.6 **¶612488295**
WEL I 05 18 46 29.9–.42 42S–2.0 174E–3.0 11–3 3.5L,3.2
ISC Event type se.
NOU Off E. Coast of S. Island, N.Z.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC I 06 05 14 23.2–1.4 42.52S–.03 173.83E–.04 5–10 92 0-6
NOU I 06 05 14 23.5 42.57S 173.77E 0 4.1 **¶612488298**
WEL I 06 05 14 25.5–.76 43S–3.0 174E–3.0 26–7 3.8L,3.6
ISC Event type se.
NOU South Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC I 07 01 36 06.6–.54 42.66S–.02 173.41E–.03 10–3 4.3b,3.6s 223 0-153
WEL I 07 01 36 00 42.57S 173.27E 11 4.6L,4.4W **¶610049647**
NOU I 07 01 36 06.3 42.77S 173.56E 9 4.8,4.4W
NEIC I 07 01 36 06.5–2.4 42.67S–.03 173.45E–.06 10–1 4.2b,4.4W
IDC I 07 01 36 07.5–.68 42.39S 173.29E 13–3 4.5L,4.4
WEL I 07 01 36 08.7–.55 43S–3.0 173E–4.0 19–6 4.8L,4.5
ISC Event type se.
WEL Moment Tensor Solution. s9 Moment tensor: Scale 10^{15}Nm; M_{rr}4.03 $M_{\theta\theta}$0.30 $M_{\phi\phi}$-4.33
$M_{r\theta}$-2.15 $M_{\theta\phi}$-1.42 $M_{\phi r}$0.58 NP1:ϕ_s352.00000°,δ51.00000°,λ55.00000°. NP2:ϕ_s220.00000°
,δ51.00000°,λ125.00000°. Principal axes: T 514.5900,Plg63.0000°,Azm196.0000°
; N -41.6400,Plg27.0000°,Azm16.0000°; P -472.9500,Plg0.0000°,Azm106.0000°
$M_0$4.94000×10^{15}
NOU South Island, New Zealand.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC I 07 07 14 07.2–1.0 42.64S–.03 173.41E–.04 10–8 91 0-6
NOU I 07 07 14 06.7 42.73S 173.52E 8 3.8 **¶612488316**
WEL I 07 07 14 08.3–.35 43S–3.0 173E–4.0 14–3 3.6L,3.4
ISC Event type se.
NOU South Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC I 07 08 23 22.2–1.3 42.47S–.03 173.98E–.03 2–8 4.5b,3.5s 202 0-150
WEL I 07 08 23 00 42.48S 174.00E 9 4.5L,4.3W **¶610236888**
NOU I 07 08 23 22.8 42.50S 173.99E 1 4.7,4.3W
NEIC I 07 08 23 22.9–.99 42.45S–.04 173.94E–.05 7–6 4.5b,4.3W
IDC I 07 08 23 22.2–1.4 42.41S 173.86E 0 4.2,4.2b
WEL I 07 08 23 23.4–.32 42S–2.0 174E–3.0 3–3 4.6L,4.4
ISC Event type se.
WEL Moment Tensor Solution. s8 Moment tensor: Scale 10^{15}Nm; M_{rr}0.54 $M_{\theta\theta}$-0.14 $M_{\phi\phi}$-0.40
$M_{r\theta}$1.92 $M_{\theta\phi}$-3.55 $M_{\phi r}$-0.12 NP1:ϕ_s180.00000°,δ61.00000°,λ7.00000°. NP2:ϕ_s87.00000°
,δ84.00000°,λ151.00000°. Principal axes: T -417.9500,Plg25.0000°,Azm40.0000°
; N 395.4400,Plg60.0000°,Azm256.0000°; P 22.5200,Plg16.0000°,Azm137.0000°
$M_0$4.07000×10^{15}
NOU South Island, New Zealand.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC I 07 08 53 16.4–1.2 42.45S–.03 173.89E–.03 4–10 112 0-7
NOU I 07 08 53 15.6 42.55S 173.93E 0 4.1 **¶612488319**
WEL I 07 08 53 17.1–.56 42S–3.0 174E–4.0 3–3 4.0L,3.7
ISC Event type se.
NOU South Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC I 07 14 14 31.1–.94 42.75S–.03 172.92E–.03 29–8 69 0-6
NOU I 07 14 14 29.5 42.85S 172.87E 0 3.6 **¶612488323**
WEL I 07 14 14 30.5–.32 43S–3.0 173E–3.0 13–4 3.2L,3.0
ISC Event type se.
NOU South Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC I 07 17 18 48.2–1.0 42.46S–.03 173.58E–.03 19–3 112 0-7
NOU I 07 17 18 46.8 42.56S 173.70E 8 3.9 **¶612488327**
WEL I 07 17 18 48.5–.38 42S–3.0 174E–4.0 17–5 3.8L,3.6
ISC Event type se.
NOU South Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC I 08 06 21 30.1–.89 42.63S–.03 173.25E–.04 15 75 0-6
NOU I 08 06 21 29.1 42.68S 173.25E 10 3.5 **¶612488336**
WEL I 08 06 21 30.5–.39 43S–3.0 173E–3.0 5 3.5L,3.3
ISC Event type se.
NOU South Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC I 08 10 21 27.2–1.5 41.28S–.04 173.15E–.05 136–8 79 0-5
NOU I 08 10 21 27.8 41.27S 173.17E 130 3.7 **¶612488338**
WEL I 08 10 21 29.8–.95 41S–7.0 173E–6.0 108–7 3.1,3.1
ISC Event type se.
NOU South Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC I 08 11 32 01.0–.97 42.32S–.03 173.67E–.03 14–8 86 0-7
WEL I 08 11 32 01.7–.39 42S–2.0 174E–3.0 9–4 3.8L,3.5 **¶612488339**
NOU I 08 11 32 01.9 42.42S 173.69E 16 4.1,3.5
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=117.7.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU South Island, New Zealand.
ISC I 08 12 56 07.5–1.3 42.07S–.03 173.84E–.02 3–10 4.2b 177 0-48
NOU I 08 12 56 07.4 42.20S 173.93E 3 4.6 **¶610570525**
WEL I 08 12 56 08.7–.39 42S–2.0 174E–3.0 5 4.4L,4.4
NEIC I 08 12 56 08.2–2.2 42.03S–.02 173.80E–.03 9–7 4.1b,4.4
ISC Event type se.
NOU South Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL I 08 13 15 48.1–.55 41S–3.0 172E–3.0 5 2.3L,1.9 ¶614538464
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL I 08 13 37 15.0–.61 42S–4.0 174E–3.0 5–3 3.5L,3.3 ¶614538466
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL I 08 16 38 26.2–.42 42S–2.0 174E–4.0 5 2.4L,1.9 ¶614538478
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC I 09 01 31 39.8–1.2 42.53S–.02 173.85E–.04 6–10 89 0-6
NOU I 09 01 31 39.5 42.58S 173.85E 0 4.0 **¶612488348**
WEL I 09 01 31 42.2–.51 42S–4.0 174E–3.0 6–3 4.6b,4.0L
ISC Event type se.
NOU South Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC I 09 04 44 56.7–.96 42.88S–.02 172.34E–.03 10–7 63 0-7
WEL I 09 04 44 57.6–.41 43S–2.0 172E–3.0 6–3 3.5L,3.4 **¶612488352**
NOU I 09 04 44 57.4 43.04S 172.38E 7 3.8,3.4
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=101.3.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU South Island, New Zealand.
WEL I 09 07 48 48.5–1.1 42S–5.0 174E–8.0 3–4 2.3L,1.5 ¶614538539
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL I 09 12 54 48.4–.41 42S–3.0 174E–4.0 14–3 2.8L,2.6 ¶614538575
WEL smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC I 09 17 55 10.2–1.6 42.50S–.04 173.86E–.04 2–15 53 0-5
NOU I 09 17 55 10.2 42.55S 173.82E 0 3.5 **¶612488357**
WEL I 09 17 55 12.3–.74 42S–5.0 174E–6.0 4–4 3.4L,3.0
ISC Event type se.
NOU South Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL I 09 22 55 04.9–.53 42S–4.0 173E–3.0 5 2.5L,1.8 ¶614538605
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL I 10 09 25 43.4–.34 42S–2.0 174E–3.0 8–3 2.8L,2.6 ¶614538653
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL I 10 09 39 17.9–.33 42S–2.0 174E–3.0 12–3 3.0L,3.0 ¶614538654
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL I 10 14 20 38.0–.30 42S–2.0 174E–2.0 9–2 2.7L,2.5 ¶614538670
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL I 10 15 54 56.6–.56 42S–3.0 174E–4.0 7–4 2.8L,2.5 ¶614538676
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL I 10 18 15 13.9–.45 42S–2.0 174E–3.0 10–3 2.6L,2.2 ¶614538683
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL I 10 19 13 23.8–.41 42S–2.0 174E–3.0 5 2.9L,2.8 ¶614538685
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL I 10 21 02 44.0–.37 42S–2.0 174E–3.0 12–2 2.8L,2.6 ¶614538692
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL I 11 01 01 18.0 42S–2.0 174E–3.0 12–5 3.2L,3.0 ¶614538703
WEL Event type se. smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID
smi:org.gfz-potsdam.de/geofon/nz3drx. manual. confirmed.
WEL I 11 07 51 43.3–1.1 41S–7.0 173E–7.0 157–7 2.7,2.7 ¶614538718
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL I 11 09 01 48.8–.47 42S–3.0 173E–4.0 10–4 2.7L,2.5 ¶614538720
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL I 11 09 32 40.2 42S–3.0 173E–5.0 19–6 2.8L,2.7 ¶614538721
WEL Event type se. smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID
smi:org.gfz-potsdam.de/geofon/nz3drx. manual. confirmed.
WEL I 11 14 27 19.5–.61 42S–4.0 174E–6.0 9–5 3.6L,3.4 ¶614538735
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC I 11 21 34 04.1–.91 42.82S–.02 171.70E–.02 10–7 5.1b 137 0-100
WEL I 11 21 34 00 42.79S 171.68E 6 4.3L,4.1W **¶610570613**
WEL I 11 21 34 03.8–.33 43S–2.0 172E–2.0 3–2 4.5,4.5
NEIC I 11 21 34 04.3–1.6 42.78S–.03 171.69E–.05 15–7 4.1b,4.5
NOU I 11 21 34 06.4 42.87S 171.76E 62 4.5,4.5
ISC Event type se.
WEL Moment Tensor Solution. s5 Moment tensor: Scale 10^{15}Nm; M_{rr}0.16 $M_{\theta\theta}$0.60 $M_{\phi\phi}$-0.77
$M_{r\theta}$-0.63 $M_{\theta\phi}$-1.17 $M_{\phi r}$-0.85 NP1:ϕ_s341.00000°,δ64.00000°,λ-12.00000°. NP2:ϕ_s76.00000°
,δ79.00000°,λ-154.00000°. Principal axes: T -195.7200,Plg10.0000°,Azm206.0000°
; N 129.6600,Plg61.0000°,Azm97.0000°; P 66.0700,Plg26.0000°,Azm302.0000°
$M_0$1.63000×10^{15}
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=77.2.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=5.8km s-min=4.3km az=66.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

NOU South Island, New Zealand.
WEL I 11 21 52 31.9 42S–8.0 174E–5.0 6–5 2.3,2.3 ¶614538758
WEL Event type se. smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID smi:org.gfz-potsdam.de/geofon/nz3drx. manual. confirmed.
WEL I 11 23 55 38.8–1.3 41S–10 172E–12 175–9 2.5,2.5 ¶614538767
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL I 12 01 32 36.1 42S–10 173E–9.0 10–7 1.8,1.8 ¶615968745
WEL smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID smi:org.gfz-potsdam.de/geofon/nz3drx. manual. confirmed.
ISC I 13 07 52 01.6–1.0 42.76S–.03 172.36E–.03 12–7 98 0-8
WEL I 13 07 52 00.7–.52 43S–4.0 172E–4.0 8–6 3.9L,3.7 ¶611399288
WEL I 13 07 52 00 42.69S 172.34E 2 3.7W,3.7L
NOU I 13 07 52 02.6 42.92S 172.56E 22 4.1,3.7L
ISC Event type ke.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=99.2. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL Moment Tensor Solution. s4 Moment tensor: Scale 10^{14}Nm; M_{rr}1.53 $M_{\theta\theta}$0.10 $M_{\phi\phi}$-1.62 $M_{r\theta}$-1.98 $M_{\theta\phi}$-4.23 $M_{\phi r}$1.96 NP1:ϕ_s259.00000°,δ64.00000°,λ155.00000°. NP2:ϕ_s360.00000°,δ68.00000°,λ28.00000°. Principal axes: T 54.9300,Plg35.0000°,Azm221.0000° ; N -50.8700,Plg55.0000°,Azm35.0000°; P -4.0600,Plg3.0000°,Azm129.0000° $M_0$5.29000×10^{14}
NOU South Island, New Zealand.
ISC I 13 10 29 19.9–1.4 42.57S–.03 173.83E–.04 2–11 83 0-6
NOU I 13 10 29 20.1 42.62S 173.84E 0 3.6 ¶612488378
WEL I 13 10 29 23.7–.69 42S–3.0 174E–4.0 5–4 3.5L,3.3
ISC Event type se.
NOU South Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC I 13 21 03 26.0–1.3 41.36S–.03 173.87E–.03 65–7 142 0-7
NOU I 13 21 03 26.3 41.36S 174.01E 61 4.0 ¶612488385
WEL I 13 21 03 26.1 41S–4.0 174E–5.0 55–7 3.9L,3.6
ISC Event type se.
NOU Cook Strait, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID smi:org.gfz-potsdam.de/geofon/nz3drx. manual. confirmed.
WEL I 14 00 27 47.7–.57 42S–2.0 174E–3.0 5–3 2.6L,2.4 ¶614538916
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC I 14 00 50 11.8–1.2 42.42S–.03 173.96E–.03 11–10 74 0-5
NOU I 14 00 50 11.7 42.52S 174.00E 6 3.8 ¶612488386
WEL I 14 00 50 13.4–.46 42S–2.0 174E–4.0 8–3 3.6L,3.4
ISC Event type se.
NOU Off E. Coast of S. Island, N.Z.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL I 14 03 03 40.1–.40 42S–2.0 174E–3.0 7–3 2.6L,2.4 ¶614538922
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC I 14 03 32 16.4–1.0 43.44S–.03 170.33E–.03 6–10 52 0-7
WEL I 14 03 32 16.2–.51 43S–3.0 170E–3.0 5 3.2L,3.1 ¶612488387
NOU I 14 03 32 16.9 43.48S 170.36E 10 3.6,3.1
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=71.9. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU South Island, New Zealand.
ISC I 14 04 09 12.1–1.2 42.27S–.02 172.74E–.03 8–11 64 1-6
WEL I 14 04 09 12.3–.39 42S–3.0 173E–4.0 5 3.3L,3.1 ¶612488388
NOU I 14 04 09 12.7 42.31S 172.72E 0 3.6,3.1
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=104.9. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU South Island, New Zealand.
WEL I 14 06 47 52.8–.30 42S–2.0 173E–3.0 37–4 2.7L,2.4 ¶614538932
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC I 14 07 57 49.5–1.0 42.73S–.03 172.82E–.03 23–8 123 0-150
WEL I 14 07 57 00 42.71S 172.77E 5 3.9L,3.8W ¶610237345
IDC I 14 07 57 47.0–1.6 42.64S 172.72E 0 3.4,3.4b
NOU I 14 07 57 48.7 42.89S 173.00E 13 4.2,3.4b
WEL I 14 07 57 49.0–.35 43S–3.0 173E–3.0 9–4 4.1L,3.9
ISC Event type ke.
WEL Moment Tensor Solution. s4 Moment tensor: Scale 10^{14}Nm; M_{rr}3.81 $M_{\theta\theta}$3.00 $M_{\phi\phi}$-6.81 $M_{r\theta}$1.34 $M_{\theta\phi}$-3.94 $M_{\phi r}$1.91 NP1:ϕ_s159.00000°,δ54.00000°,λ24.00000°. NP2:ϕ_s54.00000°,δ70.00000°,λ142.00000°. Principal axes: T -86.0500,Plg41.0000°,Azm11.0000° ; N 49.3200,Plg47.0000°,Azm210.0000°; P 36.7300,Plg10.0000°,Azm110.0000° $M_0$6.77000×10^{14}
NOU South Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC I 14 10 25 18.7–1.3 42.30S–.03 173.71E–.03 14–11 145 0-7
WEL I 14 10 25 00 42.19S 173.51E 10 4.3L,4.1W ¶611399303
NOU I 14 10 25 19.1 42.36S 173.81E 14 4.6,4.1W
WEL I 14 10 25 20.0–.58 42S–3.0 174E–6.0 6–7 4.7b,4.7L
ISC Event type ke.
WEL Moment Tensor Solution. s5 Moment tensor: Scale 10^{15}Nm; M_{rr}0.57 $M_{\theta\theta}$0.44 $M_{\phi\phi}$-1.01 $M_{r\theta}$0.11 $M_{\theta\phi}$-1.37 $M_{\phi r}$-0.10 NP1:ϕ_s76.00000°,δ81.00000°,λ172.00000°. NP2:ϕ_s167.00000°,δ82.00000°,λ9.00000°. Principal axes: T -183.3600,Plg12.0000°,Azm32.0000° ; N 129.6900,Plg78.0000°,Azm208.0000°; P 53.6700,Plg1.0000°,Azm301.0000° $M_0$1.57000×10^{15}
NOU South Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL I 15 07 45 51.2–.68 42S–4.0 174E–5.0 5 2.7,2.7 ¶614538995
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL I 15 14 38 35.3–.41 42S–3.0 174E–3.0 11–3 3.0,3.0 ¶614539015
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL I 15 18 29 36.4–.46 43S–2.0 173E–4.0 12–4 2.8,2.8 ¶614539029
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL I 16 04 55 53.5–.41 43S–2.0 173E–4.0 5 2.9L,2.7 ¶614539056
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL I 16 06 43 21.8–.55 42S–3.0 174E–5.0 12–4 3.3L,3.1 ¶614539062
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL I 16 10 02 19.4–.35 42S–2.0 173E–3.0 10–4 3.2L,3.1 ¶614539069
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL I 16 12 22 16.2–.63 42S–3.0 174E–3.0 12–4 2.3L,2.1 ¶614539078
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL I 16 12 41 29.9–.37 42S–3.0 174E–3.0 22–3 3.0L,2.7 ¶614539079
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL I 16 15 33 47.0–.32 42S–3.0 174E–2.0 10–2 3.1L,3.0 ¶614539086
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC I 16 18 29 55.5–.86 42.60S–.03 173.31E–.04 10 60 0-6
NOU I 16 18 29 54.5 42.66S 173.35E 8 3.6 ¶612488418
WEL I 16 18 29 55.5–.41 43S–4.0 173E–5.0 10–5 3.3L,3.3
ISC Event type se.
NOU South Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL I 16 18 35 18.4–.56 42S–3.0 174E–4.0 5 2.7L,2.4 ¶614539096
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL I 16 22 56 30.5–.38 42S–3.0 174E–3.0 8–3 3.0L,2.8 ¶614539109
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL I 17 00 17 48.1–.35 42S–3.0 174E–4.0 10–3 3.1L,3.0 ¶614539113
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL I 17 01 58 10.1–.29 42S–2.0 174E–2.0 13–2 3.0L,2.7 ¶614539118
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL I 17 04 19 34.2–.52 42S–3.0 174E–3.0 8–4 2.7L,2.4 ¶614539122
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL I 17 04 50 45.7–.38 42S–3.0 174E–4.0 10–3 3.0L,2.7 ¶614539127
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL I 17 11 26 26.7–.60 42S–4.0 174E–5.0 5 2.7L,2.6 ¶614539149
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC I 17 14 07 39.8–.93 42.14S–.03 173.10E–.03 51–8 4.5b 160 0-100
NEIC I 17 14 07 39.7–1.3 42.12S–.03 173.06E–.05 51–4 4.4b ¶610570712
WEL I 17 14 07 40.0–.32 42S–3.0 173E–3.0 30–4 4.3L,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC I 17 14 39 44.7–1.2 42.16S–.03 173.82E–.03 13–10 65 0-4
WEL I 17 14 39 45.6–.32 42S–3.0 174E–3.0 10–2 3.2L,3.0 ¶612488429
NOU I 17 14 39 46.7 42.21S 173.74E 13 3.6,3.0
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=126.4. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU South Island, New Zealand.
WEL I 17 18 00 26.3–.39 42S–3.0 174E–4.0 5 3.3L,3.1 ¶614539170
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL I 17 18 20 26.5–.55 43S–3.0 174E–4.0 12 3.4L,3.2 ¶614539172
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL I 18 01 03 39.4 42S–5.0 174E–10 28–19 4.5b,3.6 ¶614539196
WEL smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID smi:org.gfz-potsdam.de/geofon/nz3drx. automatic.
WEL I 18 01 54 03.5–.45 42S–2.0 174E–3.0 5–2 3.0L,2.9 ¶614539198
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC I 18 11 35 05.3–1.3 42.71S–.03 172.80E–.03 11–12 59 0-6
NOU I 18 11 35 04.9 42.80S 172.81E 1 3.8 ¶612488437
WEL I 18 11 35 05.8–.32 43S–3.0 173E–3.0 13–3 3.5L,3.3
ISC Event type se.
NOU South Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL I 18 13 23 38.0–.34 42S–2.0 174E–3.0 8–3 3.7L,3.5 ¶614539224
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL I 18 19 07 31.1–.41 42S–3.0 173E–3.0 8–3 3.0L,2.8 ¶614539230
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL I 19 02 08 03.6–.43 42S–2.0 174E–3.0 12–2 3.0L,2.7 ¶614539252
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC I 19 11 59 38.1–1.3 42.42S–.03 173.94E–.04 8–10 73 0-6
NOU I 19 11 59 37.3 42.52S 173.98E 0 3.9 ¶612488444
WEL I 19 11 59 40.2–.99 42S–3.0 174E–4.0 27–11 3.4L,3.1
ISC Event type se.
NOU South Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC I 19 14 15 40.8–1.0 43.48S–.03 172.95E–.04 22–8 60 0-5
NOU I 19 14 15 37.9 43.66S 173.31E 6 4.0 ¶612488445
WEL I 19 14 15 40.2–.46 43S–3.0 173E–4.0 11–3 3.3L,3.1
ISC Event type se.
NOU Off E. Coast of S. Island, N.Z.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC I 19 22 59 18.6–1.1 42.57S–.03 173.61E–.04 12–7 70 0-6
NOU I 19 22 59 17.2 42.66S 173.71E 0 3.9 ¶612488452
WEL I 19 22 59 20.3–.72 43S–3.0 174E–4.0 28–8 3.5L,3.4
ISC Event type se.
NOU South Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL I 20 10 08 36.4–.29 43S–2.0 173E–3.0 8–3 3.6L,3.4 ¶614539360
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC I 20 10 50 31.6–.98 43.49S–.03 172.96E–.04 16–9 68 0-16
NOU I 20 10 50 30.3 43.61S 173.19E 9 3.8 ¶612488457
WEL I 20 10 50 31.6–.49 43S–3.0 173E–4.0 9–3 3.2L,3.1
ISC Event type se.
NOU Off E. Coast of S. Island, N.Z.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC I 21 01 37 43.5–1.3 42.34S–.03 173.88E–.04 8–11 67 0-7
WEL I 21 01 37 44.1–.45 42S–3.0 174E–4.0 9–3 3.4L,3.2 ¶612488465
NOU I 21 01 37 44.2 42.40S 173.87E 11 3.9,3.2
ISC Event type se.

WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=126.1. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU South Island, New Zealand.
ISC I 21 19 08 43.5–1.2 42.29S–.02 173.72E–.03 14–7 4.0b,3.4s 158 0-153
WEL I 21 19 08 00 42.29S 173.73E 27 4.3L,4.2W **¶610235009**
IDC I 21 19 08 41.5–1.1 42.05S 173.63E 0 4.0L,3.9
WEL I 21 19 08 44.3–.37 42S–2.0 174E–3.0 15–3 4.5L,4.3
NOU I 21 19 08 44.2 42.46S 173.81E 16 4.6,4.3
NEIC I 21 19 08 44.7–2.1 42.28S–.04 173.63E–.03 16–4 4.2b,4.1
ISC Event type se.
WEL Moment Tensor Solution. s5 Moment tensor: Scale 10^{15}Nm; M_{rr}1.73 $M_{\theta\theta}$-0.10 $M_{\phi\phi}$-1.63 $M_{r\theta}$-0.23 $M_{\theta\phi}$-1.36 $M_{\phi r}$1.32 NP1:ϕ_s236.00000°,δ38.00000°,λ133.00000°. NP2:ϕ_s7.00000°,δ63.00000°,λ62.00000°. Principal axes: T -267.0600,Plg62.0000°,Azm234.0000°; N 28.4400,Plg24.0000°,Azm20.0000°; P 238.6300,Plg14.0000°,Azm117.0000° $M_0$2.53000×10^{15}
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU South Island, New Zealand.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}0.97 $M_{\theta\theta}$-0.59 $M_{\phi\phi}$-0.38 $M_{r\theta}$-0.13 $M_{\theta\phi}$-1.61 $M_{\phi r}$0.87 NP1:ϕ_s264.45000°,δ53.17000°,λ152.86000°. NP2:ϕ_s11.54000°,δ68.58000°,λ40.09000°. Principal axes: T 1.8076,Plg43.0000°,Azm234.0000°; N 0.3759,Plg45.0000°,Azm35.0000°; P -2.1835,Plg10.0000°,Azm135.0000° $M_0$2.02000×10^{15}
ISC I 21 23 12 11.8–.90 42.27S–.03 173.63E–.03 23–7 95 0-150
WEL I 21 23 12 00 42.25S 173.61E 8 3.9L,3.8W **¶610235033**
IDC I 21 23 12 09.3–2.0 42.08S 173.52E 0 3.5,3.5L
WEL I 21 23 12 11.4–.33 42S–2.0 174E–3.0 15–3 4.1L,3.9
NOU I 21 23 12 11.5 42.41S 173.74E 16 4.4,3.9
ISC Event type ke.
WEL Moment Tensor Solution. s4 Moment tensor: Scale 10^{14}Nm; M_{rr}1.98 $M_{\theta\theta}$-0.54 $M_{\phi\phi}$-1.44 $M_{r\theta}$1.31 $M_{\theta\phi}$-6.02 $M_{\phi r}$-0.32 NP1:ϕ_s179.00000°,δ74.00000°,λ11.00000°. NP2:ϕ_s86.00000°,δ80.00000°,λ163.00000°. Principal axes: T -70.7900,Plg19.0000°,Azm42.0000°; N 54.5200,Plg71.0000°,Azm235.0000°; P 16.2700,Plg4.0000°,Azm133.0000° $M_0$6.27000×10^{14}
IDC Error ellipse: s-maj=51.1km s-min=31.3km az=135.0.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=117.6. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU South Island, New Zealand.
ISC I 22 16 51 04.5–.94 42.49S–.03 173.61E–.04 18–5 114 0-7
WEL I 22 16 51 00 42.43S 173.55E 18 4.0L,3.9W **¶611399392**
NOU I 22 16 51 03.8 42.54S 173.66E 9 4.5,3.9W
WEL I 22 16 51 04.7–.40 42S–2.0 174E–3.0 17–3 4.2L,4.0
ISC Event type ke.
WEL Moment Tensor Solution. s6 Moment tensor: Scale 10^{14}Nm; M_{rr}1.34 $M_{\theta\theta}$6.90 $M_{\phi\phi}$-8.24 $M_{r\theta}$3.40 $M_{\theta\phi}$-3.23 $M_{\phi r}$0.69 NP1:ϕ_s149.00000°,δ68.00000°,λ11.00000°. NP2:ϕ_s54.00000°,δ80.00000°,λ158.00000°. Principal axes: T 89.2400,Plg23.0000°,Azm10.0000°; N -90.9100,Plg65.0000°,Azm211.0000°; P 1.6800,Plg8.0000°,Azm103.0000° $M_0$9.01000×10^{14}
NOU South Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL I 22 20 58 14.7–.38 45S–3.0 169E–3.0 5 3.1L,2.9 **¶614539499**
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL I 23 01 02 08.5 42S–6.0 173E–8.0 25–13 2.8L,2.5 **¶614539511**
WEL smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID smi:org.gfz-potsdam.de/geofon/nz3drx. automatic.
WEL I 23 04 08 50.0–.31 42S–2.0 174E–3.0 15–2 3.1L,2.9 **¶614539518**
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL I 23 09 12 35.8–.45 42S–3.0 174E–4.0 10–3 2.9L,2.8 **¶614539537**
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL I 24 14 41 18.3–.37 42S–2.0 174E–3.0 9–2 2.9L,2.8 **¶614539624**
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL I 24 18 42 43.1–.57 45S–4.0 168E–5.0 37–6 3.9L,3.7 **¶614539634**
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL I 24 19 57 45.0–.61 42S–2.0 173E–4.0 5–2 3.3L,3.1 **¶614539637**
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC I 24 21 17 51.5–1.0 42.53S–.04 173.86E–.05 21 59 0-15
NOU I 24 21 17 48.5 42.58S 173.95E 0 4.0 **¶612488501**
WEL I 24 21 17 52.9–.57 42S–3.0 174E–6.0 5–4 3.8L,3.5
ISC Event type se.
NOU South Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC I 25 05 09 45.2–1.3 42.73S–.03 172.74E–.03 11–12 45 0-3
WEL I 25 05 09 45.9–.31 43S–2.0 173E–3.0 10–3 3.3L,3.1 **¶612488503**
NOU I 25 05 09 45.0 42.81S 172.72E 3 3.6,3.1
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=109.8. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU South Island, New Zealand.
WEL I 25 05 25 58.9–.34 43S–2.0 173E–3.0 11–4 2.9L,2.8 **¶614539661**
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL I 25 06 15 56.7–.76 45S–4.0 168E–5.0 63–6 3.4L,3.1 **¶614539664**
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC I 25 06 27 22.9–1.7 41.21S–.06 172.54E–.06 219–9 99 0-6
NOU I 25 06 27 23.2 41.19S 172.61E 227 3.9 **¶612488505**
WEL I 25 06 27 27.2–.97 41S–5.0 173E–6.0 186–6 2.9,2.9
ISC Event type se.
NOU South Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL I 25 11 54 55.1–.41 42S–3.0 174E–3.0 5 2.6L,1.9 **¶614539676**
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL I 26 02 30 08.4–.36 43S–2.0 173E–3.0 10–3 3.1L,3.0 **¶614539713**
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC I 26 07 20 57.3–.89 42.46S–.03 173.65E–.03 23–6 137 0-150
IDC I 26 07 20 56.1–2.0 42.25S 173.44E 0 3.8L,3.5s **¶610235367**
WEL I 26 07 20 57.3 42S–3.0 174E–6.0 24–8 4.0L,3.8
NOU I 26 07 20 57.0 42.53S 173.71E 9 4.4,3.8
ISC Event type se.
IDC Error ellipse: s-maj=51.4km s-min=29.7km az=136.0.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=84.6. smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID smi:org.gfz-potsdam.de/geofon/nz3drx. automatic.
NOU South Island, New Zealand.
WEL I 26 09 31 00.4–.25 42S–2.0 174E–3.0 12–2 3.5,3.5 **¶614539729**
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL I 26 11 42 47.9–.47 42S–4.0 174E–7.0 14–4 3.1L,2.9 **¶614539742**
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL I 27 12 26 49.7–.50 42S–2.0 174E–5.0 9–3 3.3L,3.2 **¶614539820**
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL I 29 09 20 59.8–.39 42S–3.0 174E–3.0 12 3.1L,2.8 **¶614539926**
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL I 29 18 58 46.0–.30 42S–2.0 174E–2.0 5 3.0L,2.7 **¶614539946**
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL I 29 21 21 21.2–.50 42S–3.0 174E–4.0 12–3 2.4L,2.4 **¶614539951**
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL I 29 23 44 52.1–.48 42S–3.0 174E–3.0 9–3 2.6L,2.4 **¶614539961**
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL I 30 03 24 28.2–.35 44S–3.0 170E–2.0 5 3.8L,3.6 **¶614539977**
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL I 30 04 18 54.8–.32 42S–3.0 174E–3.0 12–3 3.4L,3.2 **¶614539980**
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL I 30 06 07 28.8–.32 42S–3.0 174E–2.0 5 3.1L,2.9 **¶614539988**
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC I 30 07 25 59.5–.92 42.49S–.03 173.36E–.04 16–8 51 0-7
NOU I 30 07 25 58.6 42.57S 173.54E 12 4.0 **¶612488581**
WEL I 30 07 25 59.7–.38 42S–2.0 173E–3.0 5 3.7L,3.5
ISC Event type se.
NOU South Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL I 30 09 17 33.7–.34 42S–3.0 174E–3.0 12 3.0L,2.8 **¶614539998**
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC I 30 13 53 25.0–.97 44.12S–.03 168.64E–.04 9–6 5.1b 130 0-113
WEL I 30 13 53 00 44.13S 168.73E 6 4.6L,4.1W **¶610148023**
NOU I 30 13 53 23.5 44.08S 168.44E 0 4.9,4.1W
WEL I 30 13 53 25.4–.50 44S–3.0 169E–4.0 6–2 5.2b,4.8L
NEIC I 30 13 53 25.2–.63 44.14S–.02 168.68E–.07 10–1 4.9b,4.8L
ISC Event type se.
WEL Moment Tensor Solution. s8 Moment tensor: Scale 10^{15}Nm; M_{rr}0.48 $M_{\theta\theta}$0.48 $M_{\phi\phi}$-0.96 $M_{r\theta}$-1.08 $M_{\theta\phi}$-0.31 $M_{\phi r}$-0.59 NP1:ϕ_s337.00000°,δ33.00000°,λ20.00000°. NP2:ϕ_s231.00000°,δ79.00000°,λ122.00000°. Principal axes: T 157.9600,Plg46.0000°,Azm173.0000°; N -12.8900,Plg31.0000°,Azm44.0000°; P -145.0700,Plg27.0000°,Azm296.0000° $M_0$1.52000×10^{15}
NOU South Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL I 30 18 19 48.1–.67 42S–3.0 174E–5.0 5 2.7L,2.7 **¶614540020**
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL I 30 21 37 17.0–.41 42S–3.0 174E–4.0 6–3 2.9L,2.6 **¶614540028**
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC I 31 03 38 26.3–.91 42.71S–.02 172.39E–.03 15–7 49 0-4
WEL I 31 03 38 26.4–.34 43S–3.0 172E–3.0 6–3 3.4L,3.2 **¶612488590**
NOU I 31 03 38 40.3 43.69S 171.83E 12 3.6,3.2
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=154.7. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
NOU South Island, New Zealand.
ISC I 31 09 40 00.1–1.1 42.72S–.02 172.82E–.03 13–8 3.9b 155 0-150
IDC I 31 09 39 57.6–1.9 42.70S 172.82E 0 3.6,3.6b **¶610235810**
WEL I 31 09 40 00.7–.29 43S–3.0 173E–3.0 10–3 4.1L,3.9
NOU I 31 09 40 00.1 42.84S 172.88E 9 4.3,3.9
WEL I 31 09 40 00 42.74S 172.75E 7 4.0W,3.9L
NEIC I 31 09 40 00.6–1.7 42.73S–.03 172.78E–.06 17–3 4.3b,3.9
NEIC I 31 09 40 01 42.72S 172.77E 23 4.3b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=47.8km s-min=21.0km az=135.0.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=132.3. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
NOU South Island, New Zealand.
WEL Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.86 $M_{\theta\theta}$0.06 $M_{\phi\phi}$-0.92 $M_{r\theta}$-0.09 $M_{\theta\phi}$-0.66 $M_{\phi r}$0.24 NP1:ϕ_s226.00000°,δ44.00000°,λ118.00000°. NP2:ϕ_s9.00000°,δ52.00000°,λ66.00000°. Principal axes: T -126.7700,Plg70.0000°,Azm219.0000°; N 32.9300,Plg19.0000°,Azm24.0000°; P 93.8500,Plg4.0000°,Azm116.0000° $M_0$1.10000×10^{15}
NEIC Event type se. Error ellipse: s-maj=6.7km s-min=3.7km az=124.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}-0.74 $M_{\theta\theta}$7.06 $M_{\phi\phi}$-6.32 $M_{r\theta}$-0.71 $M_{\theta\phi}$-4.43 $M_{\phi r}$2.59 NP1:ϕ_s242.61000°,δ71.56000°,λ-174.18000°. NP2:ϕ_s150.76000°,δ84.48000°,λ-18.53000°. Principal axes: T 8.6160,Plg9.0000°,Azm198.0000°; N -0.2723,Plg71.0000°,Azm315.0000°; P -8.3437,Plg17.0000°,Azm105.0000° $M_0$8.48000×10^{14}
NEIC Event type se.
ISC I 31 17 04 34.7–.86 42.17S–.03 173.78E–.03 17 50 0-4
WEL I 31 17 04 36.5–.33 42S–3.0 174E–4.0 12 3.1L,3.0 **¶612488598**
NOU I 31 17 04 36.5 42.26S 173.82E 20 3.6,3.0
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=119.3. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
NOU South Island, New Zealand.
ISC I 31 18 55 25.3–1.2 41.69S–.02 172.63E–.03 5–11 93 0-6
WEL I 31 18 55 25.6–.29 42S–2.0 173E–3.0 5–2 3.6L,3.5 **¶612488599**
NOU I 31 18 55 25.5 41.72S 172.54E 0 4.0,3.5
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=122.0. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
NOU South Island, New Zealand.
ISC I 31 22 15 34.5–.92 42.34S–.03 173.70E–.03 16–6 110 0-150
WEL I 31 22 15 00 42.27S 173.55E 8 4.3L,3.9W **¶610235846**
IDC I 31 22 15 33.3–2.1 42.33S 173.71E 0 3.5,3.5L
WEL I 31 22 15 34.9 42S–3.0 174E–2.0 10–4 4.5L,4.3
NOU I 31 22 15 34.9 42.45S 173.69E 9 4.4,4.3
ISC Event type ke.
WEL Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}0.80 $M_{\theta\theta}$7.20 $M_{\phi\phi}$-8.00 $M_{r\theta}$-0.34 $M_{\theta\phi}$0.19 $M_{\phi r}$-0.90 NP1:ϕ_s314.00000°,δ84.00000°,λ-2.00000°. NP2:ϕ_s44.00000°,δ88.00000°,λ-174.00000°. Principal axes: T 72.1800,Plg3.0000°,Azm179.0000°; N 8.6900,Plg84.0000°,Azm62.0000°; P -80.8700,Plg6.0000°,Azm270.0000° $M_0$7.65000×10^{14}

IDC Error ellipse: s-maj=52.2km s-min=31.5km az=138.0.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=32.1.
smi:nz.org.geonet/NonLinLoc. earthModelID smi:nz.org.geonet/nz3drx. manual. confirmed.
NOU South Island, New Zealand.
WEL II 01 00 22 22.2–.46 45S–3.0 168E–3.0 5 2.9L,2.8 ¶614540038
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC II 01 10 21 29.6–.55 42.35S–.03 173.85E–.03 20–3 4.8b,4.2s 266 0-160
WEL II 01 10 21 00 42.31S 173.76E 19 5.1L,4.8W **¶610169719**
IDC II 01 10 21 26.8–.68 42.08S 173.69E 0 4.7L,4.4
NOU II 01 10 21 28.8 42.41S 173.91E 14 5.4,4.4
BJI II 01 10 21 28.4–.00 42.62S 173.58E 18 5.2b,4.4
NEIC II 01 10 21 29.7–1.6 42.37S–.04 173.87E–.06 22–3 4.9,4.9b
WEL II 01 10 21 29.8–.30 42S–3.0 174E–3.0 21–3 5.4L,5.1
NEIC II 01 10 21 33.1 42.25S 173.72E 24 5.4L,5.1
GCMT II 01 10 21 34.7–.40 42.21S–.02 173.75E–.03 26–1 5.0W,5.1
ISC Event type se.
WEL Moment Tensor Solution. s12 Moment tensor: Scale 10^{16}Nm; M_{rr}0.20 $M_{\theta\theta}$1.65 $M_{\phi\phi}$-1.85
$M_{r\theta}$0.32 $M_{\theta\phi}$-0.85 $M_{\phi r}$1.22 NP1:ϕ_s145.00000°,δ72.00000°,λ-16.00000°. NP2:ϕ_s240.00000°
,δ75.00000°,λ-161.00000°. Principal axes: T -2608.3100,Plg2.0000°,Azm12.0000°
; N 1846.9700,Plg66.0000°,Azm277.0000°; P 761.3300,Plg24.0000°,Azm103.0000°
$M_0$2.23000×10^{16}
NOU South Island, New Zealand.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Moment Tensor Solution.Duration: 1s5 Moment tensor: Scale 10^{16}Nm;
M_{rr}0.02 $M_{\theta\theta}$2.06 $M_{\phi\phi}$-2.08 $M_{r\theta}$-0.18 $M_{\theta\phi}$-0.77 $M_{\phi r}$1.00 NP1:ϕ_s144.13000°,δ82.82000°
,λ-21.73000°. NP2:ϕ_s236.98000°,δ68.45000°,λ-172.28000°. Principal axes:
T 2.2553,Plg10.0000°,Azm192.0000°; N 0.3133,Plg67.0000°,Azm307.0000°
; P -2.5686,Plg20.0000°,Azm99.0000° $M_0$2.41000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function. Moment Tensor Solution. s17,c20; s68,c87;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-0.95±.27 $M_{\theta\theta}$2.61±.18; $M_{\phi\phi}$-1.66±.15; $M_{r\theta}$0.26±.27;
$M_{\theta\phi}$-0.62±.10; $M_{\phi r}$3.98±.53; Best double couple: NP1:ϕ_s155.00000°,δ83.00000°,λ-57.00000°.
NP2:ϕ_s255.00000°,δ34.00000°,λ-168.00000°. Principal axes: T 2.9040,Plg30.0000°
,Azm218.0000°; N 2.4490,Plg33.0000°,Azm330.0000°; P -5.3490,Plg42.0000°,Azm96.0000°
$M_0$4.12700×10^{16}
WEL II 02 04 02 29.8–.35 43S–2.0 173E–4.0 13–3 3.5L,3.4 ¶614540110
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC II 02 05 30 53.7–.94 42.86S–.03 172.98E–.03 18–6 76 0-6
NOU II 02 05 30 52.3 42.91S 173.05E 7 4.1 **¶612488617**
WEL II 02 05 30 53.4–.33 43S–3.0 173E–3.0 13–3 3.8L,3.6
ISC Event type se.
NOU South Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC II 02 05 38 24.9–.95 42.86S–.03 172.98E–.03 17–8 72 0-6
NOU II 02 05 38 23.9 42.93S 173.08E 12 3.8 **¶612488618**
WEL II 02 05 38 24.8–.36 43S–3.0 173E–3.0 5 3.6L,3.5
ISC Event type se.
NOU South Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL II 02 07 37 44.1–.32 43S–3.0 173E–3.0 11–3 3.8L,3.5 ¶614540116
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC II 02 07 41 42.4–1.0 44.08S–.03 169.99E–.03 13–7 3.6b 68 0-153
WEL II 02 07 41 00 44.08S 169.96E 4 4.0L,3.8W **¶610414657**
IDC II 02 07 41 41.2–1.2 44.03S 169.92E 0 3.9,3.9b
WEL II 02 07 41 42.1–.30 44S–2.0 170E–2.0 5 4.2L,4.0
ISC Event type ke.
WEL Moment Tensor Solution. s7 Moment tensor: Scale 10^{14}Nm; M_{rr}4.71 $M_{\theta\theta}$-1.31 $M_{\phi\phi}$-3.40
$M_{r\theta}$-2.85 $M_{\theta\phi}$-3.15 $M_{\phi r}$-2.42 NP1:ϕ_s24.00000°,δ28.00000°,λ72.00000°. NP2:ϕ_s225.00000°
,δ63.00000°,λ100.00000°. Principal axes: T -68.2900,Plg70.0000°,Azm155.0000°
; N 8.2700,Plg9.0000°,Azm40.0000°; P 60.0200,Plg18.0000°,Azm308.0000°
$M_0$6.42000×10^{14}
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL II 02 10 54 09.3–.48 42S–2.0 174E–4.0 5–2 3.1L,3.0 ¶614540128
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL II 02 11 11 16.7–.37 42S–2.0 174E–3.0 12–3 3.2L,3.0 ¶614540130
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC II 02 12 16 58.8–.90 42.49S–.03 173.39E–.04 15–7 62 0-6
NOU II 02 12 16 58.1 42.57S 173.48E 8 4.0L **¶612488622**
WEL II 02 12 16 58.9–.28 42S–2.0 173E–3.0 9–3 3.4L,3.3
ISC Event type se.
NOU South Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL II 02 15 28 47.5–.91 45S–4.0 167E–5.0 75–7 2.9L,2.8 ¶614540147
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL II 02 16 12 27.1–.69 42S–4.0 174E–5.0 23–7 3.0L,2.8 ¶614540152
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL II 02 18 03 08.7–.48 42S–3.0 174E–3.0 5–3 3.1L,2.9 ¶614540157
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC II 03 02 37 57.1–.54 43.55S–.03 170.28E–.03 10 4.2b,3.6s 58 0-153
WEL II 03 02 37 00 43.55S 170.29E 2 4.3L,4.2W **¶610414712**
WEL II 03 02 37 56.5–.45 44S–3.0 170E–3.0 5 4.5L,4.3
IDC II 03 02 37 56.2–.75 43.22S 170.58E 0 4.1,4.1b
NEIC II 03 02 37 56.5–1.6 43.55S–.03 170.31E–.02 2–5 4.3b,4.2
NEIC II 03 02 37 57 43.53S 170.30E 6 4.3b,4.2
ISC Event type se.
WEL Moment Tensor Solution. s6 Moment tensor: Scale 10^{15}Nm; M_{rr}2.79 $M_{\theta\theta}$-0.81 $M_{\phi\phi}$-1.98
$M_{r\theta}$-0.09 $M_{\theta\phi}$-1.48 $M_{\phi r}$0.16 NP1:ϕ_s218.00000°,δ44.00000°,λ95.00000°. NP2:ϕ_s31.00000°
,δ46.00000°,λ85.00000°. Principal axes: T -298.8900,Plg86.0000°,Azm231.0000°
; N 18.9200,Plg3.0000°,Azm34.0000°; P 279.9700,Plg1.0000°,Azm124.0000°
$M_0$2.89000×10^{15}
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=175.3.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=52.7km s-min=7.7km az=51.0.
NEIC Event type se. Error ellipse: s-maj=5.0km s-min=2.1km az=162.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}2.51 $M_{\theta\theta}$-0.33 $M_{\phi\phi}$-2.17 $M_{r\theta}$-0.21
$M_{\theta\phi}$-0.65 $M_{\phi r}$-0.61 NP1:ϕ_s197.90000°,δ52.41000°,λ90.27000°. NP2:ϕ_s17.46000°,δ37.59000°
,λ89.65000°. Principal axes: T 2.5936,Plg83.0000°,Azm109.0000°; N -0.1270,Plg0.0000°
,Azm18.0000°; P -2.4667,Plg7.0000°,Azm288.0000° $M_0$2.53000×10^{15}
NEIC Event type se.
ISC II 03 11 31 22.0–1.3 42.09S–.03 173.77E–.03 5–12 96 0-7
WEL II 03 11 31 22.8–.33 42S–2.0 174E–3.0 11–3 3.4L,3.2 **¶612488628**
NOU II 03 11 31 22.2 42.37S 174.10E 9 4.0,3.2
ISC Event type se.

WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=126.4.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU Off E. Coast of S. Island, N.Z.
WEL II 03 15 06 09.9–.29 42S–2.0 174E–2.0 13–2 3.3L,3.1 ¶614540202
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL II 04 00 23 38.6–.69 45S–4.0 167E–4.0 61–6 3.4L,3.1 ¶614540231
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL II 04 14 31 33.7–.32 42S–2.0 174E–4.0 27–3 2.8L,2.6 ¶614540269
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC II 04 21 17 56.5–.99 42.05S–.03 173.71E–.03 10 63 0-4
WEL II 04 21 17 56.5 42S–4.0 174E–7.0 28–9 2.9L,2.7 **¶612488646**
NOU II 04 21 17 56.6 42.34S 172.96E 11 3.5,2.7
ISC Event type ke.
WEL Error ellipse: s-maj=0.0km s-min=0.0km az=90.6. smi:org.gfz-potsdam.de/geofon/NonLinLoc.
earthModelID smi:org.gfz-potsdam.de/geofon/nz3drx. automatic.
NOU South Island, New Zealand.
ISC II 05 04 17 44.3–1.1 42.47S–.04 173.86E–.05 21 67 0-4
NOU II 05 04 17 42.3 42.54S 173.95E 6 3.6 **¶612488648**
WEL II 05 04 17 44.9–.47 42S–3.0 174E–5.0 15–4 3.3L,3.1
ISC Event type se.
NOU South Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC II 05 11 05 33.7–.90 42.73S–.02 172.80E–.03 22–7 3.9b 179 0-150
WEL II 05 11 05 00 42.72S 172.75E 11 4.3L,4.0W **¶610414876**
IDC II 05 11 05 30.3–2.2 42.70S 172.81E 0 3.7s,3.4
WEL II 05 11 05 33.3–.32 43S–2.0 173E–3.0 13–3 4.5L,4.3
NEIC II 05 11 05 34.0–2.0 42.74S–.04 172.80E–.05 25–7 4.5b,4.3
NOU II 05 11 05 33.6 42.85S 172.95E 24 4.5,4.3
ISC Event type se.
WEL Moment Tensor Solution. s5 Moment tensor: Scale 10^{15}Nm; M_{rr}0.28 $M_{\theta\theta}$0.68 $M_{\phi\phi}$-0.96
$M_{r\theta}$-0.13 $M_{\theta\phi}$-0.88 $M_{\phi r}$0.25 NP1:ϕ_s248.00000°,δ75.00000°,λ174.00000°. NP2:ϕ_s340.00000°
,δ84.00000°,λ15.00000°. Principal axes: T -136.3000,Plg15.0000°,Azm205.0000°
; N 112.1500,Plg74.0000°,Azm1.0000°; P 24.1400,Plg6.0000°,Azm113.0000°
$M_0$1.24000×10^{15}
IDC Error ellipse: s-maj=48.4km s-min=42.9km az=110.0.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=123.3.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=5.7km s-min=4.3km az=131.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU South Island, New Zealand.
WEL II 05 21 31 16.7–.36 42S–3.0 174E–4.0 24–3 2.7L,2.2 ¶614540351
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL II 06 02 20 16.6–.49 42S–4.0 174E–4.0 13–3 2.6L,2.3 ¶614540364
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC II 06 04 24 53.2–.87 42.98S–.03 173.10E–.04 15–5 107 0-150
IDC II 06 04 24 50.5–1.3 42.97S 173.07E 0 3.6,3.6b **¶610414929**
WEL II 06 04 24 53.6–.62 43S–3.0 173E–4.0 11–4 4.2L,4.0
NOU II 06 04 24 53.5 43.07S 173.22E 19 4.3,4.0
ISC Event type se.
IDC Error ellipse: s-maj=46.2km s-min=14.4km az=148.0.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=74.1.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU Off E. Coast of S. Island, N.Z.
WEL II 06 17 36 07.8–.74 44S–4.0 169E–5.0 5 3.5L,3.3 ¶614540400
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC II 07 03 49 46.1–1.2 42.71S–.02 172.79E–.02 17–4 4.2b 175 0-153
WEL II 07 03 49 00 42.71S 172.76E 8 4.3L,4.1W **¶610415009**
IDC II 07 03 49 43.9–.99 42.56S 172.61E 0 4.0,4.0b
WEL II 07 03 49 46.4–.36 43S–4.0 173E–3.0 11–4 4.7b,4.6L
NEIC II 07 03 49 46.9–1.7 42.72S–.03 172.76E–.04 20–5 4.5b,4.0
NOU II 07 03 49 46.1 42.89S 172.95E 12 4.5,4.0
NEIC II 07 03 49 47.2 42.73S 172.76E 23 4.5,4.0
ISC Event type se.
WEL Moment Tensor Solution. s6 Moment tensor: Scale 10^{15}Nm; M_{rr}0.87 $M_{\theta\theta}$0.86 $M_{\phi\phi}$-1.73
$M_{r\theta}$-0.61 $M_{\theta\phi}$-0.21 $M_{\phi r}$-0.33 NP1:ϕ_s329.00000°,δ52.00000°,λ31.00000°. NP2:ϕ_s219.00000°
,δ66.00000°,λ138.00000°. Principal axes: T 147.1600,Plg46.0000°,Azm178.0000°
; N 32.8100,Plg43.0000°,Azm14.0000°; P -179.9700,Plg9.0000°,Azm277.0000°
$M_0$1.64000×10^{15}
IDC Error ellipse: s-maj=29.2km s-min=14.2km az=127.0.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=154.2.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=4.9km s-min=3.8km az=150.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-0.02 $M_{\theta\theta}$1.06 $M_{\phi\phi}$-1.05 $M_{r\theta}$-0.46
$M_{\theta\phi}$-0.18 $M_{\phi r}$0.34 NP1:ϕ_s228.42000°,δ62.83000°,λ176.18000°. NP2:ϕ_s320.17000°
,δ86.60000°,λ27.22000°. Principal axes: T 1.2679,Plg21.0000°,Azm188.0000°
; N -0.1186,Plg63.0000°,Azm327.0000°; P -1.1493,Plg16.0000°,Azm91.0000°
$M_0$1.21000×10^{15}
NOU South Island, New Zealand.
NEIC Event type se.
ISC II 07 06 52 42.0–1.2 42.71S–.02 172.90E–.03 15–10 78 0-6
WEL II 07 06 52 41.8 43S–4.0 173E–5.0 20–8 3.5L,3.3 **¶612488677**
NOU II 07 06 52 42.7 42.79S 173.02E 13 3.7,3.3
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=72.2.
smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID
smi:org.gfz-potsdam.de/geofon/nz3drx. manual. confirmed.
NOU South Island, New Zealand.
WEL II 07 16 27 11.1–1.1 45S–6.0 167E–6.0 64–9 3.9L,3.6 ¶614540456
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC II 07 23 23 01.0–1.0 42.39S–.03 173.72E–.04 18–5 78 0-7
NOU II 07 23 23 01.4 42.45S 173.68E 10 3.9 **¶612488683**
WEL II 07 23 23 02.2–.54 42S–3.0 174E–5.0 6–5 3.4L,3.2
ISC Event type se.
NOU South Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC II 08 01 03 39.8–1.2 42.68S–.03 173.16E–.03 22–5 106 0-6
NOU II 08 01 03 39.3 42.76S 173.34E 18 4.0 **¶612488684**
WEL II 08 01 03 39.6 43S–3.0 173E–6.0 23–8 3.7L,3.6
ISC Event type se.
NOU South Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID
smi:org.gfz-potsdam.de/geofon/nz3drx. manual. confirmed.
WEL II 08 09 25 23.9–.52 42S–3.0 174E–5.0 5 2.1L,1.9 ¶614540493
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL II 08 12 07 21.1–1.0 45S–4.0 168E–6.0 108–6 2.7,2.7 ¶614540502

WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL II 09 07 28 39.3–.74 42S–3.0 174E–4.0 6–6 2.7L,2.6
¶614540555
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC II 09 08 28 31.8–.98 42.48S–.02 173.37E–.03 13–8 125 0-6
WEL II 09 08 28 00 42.39S 173.29E 10 3.7L,3.4W **¶611399607**
WEL II 09 08 28 31.6 42S–3.0 173E–3.0 6–5 3.8L,3.7
NOU II 09 08 28 31.7 42.54S 173.26E 0 3.9,3.7
ISC Event type ke.
WEL Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}1.24 $M_{\theta\theta}$-0.12 $M_{\phi\phi}$-1.11
$M_{r\theta}$0.02 $M_{\theta\phi}$-1.19 $M_{\phi r}$0.26 NP1:ϕ_s226.00000°,δ42.00000°,λ108.00000°. NP2:ϕ_s23.00000°
,δ50.00000°,λ75.00000°. Principal axes: T -19.2300,Plg78.0000°,Azm233.0000°
; N 6.4400,Plg12.0000°,Azm32.0000°; P 12.7900,Plg4.0000°,Azm124.0000°
$M_0$1.60000×10^{14}
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=102.8.
smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID
smi:org.gfz-potsdam.de/geofon/nz3drx. manual. confirmed.
NOU South Island, New Zealand.
WEL II 09 21 56 49.1–.35 42S–3.0 174E–3.0 23–3 3.1L,2.9
¶614540592
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC II 10 00 08 12.8–.97 42.30S–.03 173.64E–.03 27–9 131 0-7
WEL II 10 00 08 00 42.23S 173.56E 23 3.9L,3.8W **¶611399613**
WEL II 10 00 08 12.8 42S–3.0 174E–5.0 27–6 4.1L,3.9
NOU II 10 00 08 12.9 42.41S 173.74E 22 4.4b,3.9
ISC Event type ke.
WEL Moment Tensor Solution. s5 Moment tensor: Scale 10^{14}Nm; M_{rr}1.22 $M_{\theta\theta}$4.17 $M_{\phi\phi}$-5.39
$M_{r\theta}$1.40 $M_{\theta\phi}$-4.43 $M_{\phi r}$0.37 NP1:ϕ_s157.00000°,δ76.00000°,λ5.00000°. NP2:ϕ_s66.00000°
,δ85.00000°,λ166.00000°. Principal axes: T -72.1800,Plg13.0000°,Azm21.0000°
; N 61.8800,Plg75.0000°,Azm226.0000°; P 10.3000,Plg6.0000°,Azm112.0000°
$M_0$6.70000×10^{14}
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=79.3.
smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID
smi:org.gfz-potsdam.de/geofon/nz3drx. manual. confirmed.
NOU South Island, New Zealand.
ISC II 10 03 22 18.8–1.3 42.09S–.03 173.87E–.03 1–14 117 0-7
WEL II 10 03 22 20.3–.43 42S–3.0 174E–4.0 9–5 3.6L,3.4 **¶612488700**
NOU II 10 03 22 20.5 42.16S 173.93E 17 3.9,3.4
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=129.1.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU South Island, New Zealand.
WEL II 10 13 08 39.6–.28 42S–2.0 173E–4.0 39–6 2.3L,2.1
¶614540630
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL II 11 06 59 35.9–.47 43S–3.0 173E–3.0 9–5 2.5,2.5
¶614540671
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC II 11 20 18 53.4–1.0 42.70S–.02 172.82E–.02 13–6 4.8b,4.2s 240 0-167
WEL II 11 20 18 00 42.68S 172.72E 8 5.2L,4.9W **¶610208487**
IDC II 11 20 18 50.9–.66 42.54S 172.87E 0 4.3,4.3b
WEL II 11 20 18 54.1–.38 43S–4.0 173E–3.0 9–6 5.5L,5.2
NEIC II 11 20 18 54.2–1.5 42.68S–.03 172.75E–.03 16–2 5.0b,4.9
GCMT II 11 20 18 58.3–.30 42.62S–.01 172.67E–.02 12 4.9W,4.9
ISC Event type se.
WEL Moment Tensor Solution. s12 Moment tensor: Scale 10^{16}Nm; M_{rr}0.29 $M_{\theta\theta}$1.17 $M_{\phi\phi}$-1.46
$M_{r\theta}$-0.77 $M_{\theta\phi}$-2.27 $M_{\phi r}$0.01 NP1:ϕ_s346.00000°,δ74.00000°,λ6.00000°. NP2:ϕ_s254.00000°
,δ84.00000°,λ164.00000°. Principal axes: T -2811.8800,Plg16.0000°,Azm209.0000°
; N 2666.8400,Plg73.0000°,Azm54.0000°; P 145.0400,Plg7.0000°,Azm301.0000°
$M_0$2.74000×10^{16}
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.37 $M_{\theta\theta}$1.05 $M_{\phi\phi}$-1.42 $M_{r\theta}$-0.62
$M_{\theta\phi}$-2.16 $M_{\phi r}$-0.29 NP1:ϕ_s345.04000°,δ74.56000°,λ0.80000°. NP2:ϕ_s254.82000°,δ89.22000°
,λ164.56000°. Principal axes: T 2.3804,Plg11.0000°,Azm209.0000°; N 0.3932,Plg75.0000°
,Azm72.0000°; P -2.7736,Plg10.0000°,Azm301.0000° $M_0$2.60000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function. Moment Tensor Solution. s29,c35; s94,c132;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}0.05±.09 $M_{\theta\theta}$1.08±.08; $M_{\phi\phi}$-1.13±.07; $M_{r\theta}$-2.16±.23;
$M_{\theta\phi}$-2.26±.06; $M_{\phi r}$0.20±.22; Best double couple: NP1:ϕ_s257.00000°,δ85.00000°,λ141.00000°.
NP2:ϕ_s351.00000°,δ52.00000°,λ6.00000°. Principal axes: T 3.6000,Plg30.0000°
,Azm207.0000°; N -0.6500,Plg51.0000°,Azm72.0000°; P -2.9480,Plg23.0000°
,Azm310.0000° $M_0$3.27400×10^{16}
ISC II 12 10 53 52.5–1.0 42.56S–.03 173.35E–.03 14–9 121 0-7
WEL II 12 10 53 52.4 43S–4.0 173E–6.0 16–7 3.8L,3.6 **¶612488723**
NOU II 12 10 53 52.2 42.66S 173.54E 8 4.2,3.6
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=72.7.
smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID
smi:org.gfz-potsdam.de/geofon/nz3drx. manual. confirmed.
NOU South Island, New Zealand.
WEL II 12 11 15 13.9 42S–3.0 173E–5.0 5–3 3.3L,3.2
¶614540745
WEL Event type se. smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID
smi:org.gfz-potsdam.de/geofon/nz3drx. manual. confirmed.
ISC II 12 19 46 01.2–1.2 42.65S–.03 172.74E–.03 13–10 96 0-7
WEL II 12 19 46 00.8 43S–4.0 173E–5.0 13–9 4.1L,4.0 **¶611399642**
WEL II 12 19 46 00 42.59S 172.62E 7 3.9L,3.8W
NOU II 12 19 46 02.2 42.75S 172.84E 17 4.4,3.8W
ISC Event type ke.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=62.2.
smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID
smi:org.gfz-potsdam.de/geofon/nz3drx. manual. confirmed.
WEL Moment Tensor Solution. s4 Moment tensor: Scale 10^{14}Nm; M_{rr}2.41 $M_{\theta\theta}$1.99 $M_{\phi\phi}$-4.40
$M_{r\theta}$0.61 $M_{\theta\phi}$-5.19 $M_{\phi r}$-1.72 NP1:ϕ_s72.00000°,δ68.00000°,λ167.00000°. NP2:ϕ_s167.00000°
,δ78.00000°,λ23.00000°. Principal axes: T -74.4500,Plg24.0000°,Azm31.0000°
; N 55.1300,Plg65.0000°,Azm193.0000°; P 19.3100,Plg7.0000°,Azm298.0000°
$M_0$6.48000×10^{14}
NOU South Island, New Zealand.
WEL II 13 06 44 24.8 43S–4.0 173E–6.0 19–7 3.8L,3.5
¶614540779
WEL Event type se. smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID
smi:org.gfz-potsdam.de/geofon/nz3drx. manual. confirmed.
WEL II 13 13 47 50.3 42S–5.0 173E–7.0 21–11 4.7b,3.9
¶614540800
WEL smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID
smi:org.gfz-potsdam.de/geofon/nz3drx. automatic.
WEL II 14 06 36 58.0–.45 43S–3.0 173E–4.0 14–4 2.7L,2.7
¶614540831
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC II 14 09 22 35.8–1.1 42.38S–.03 173.79E–.03 12–8 99 0-7
NOU II 14 09 22 35.4 42.49S 173.84E 3 4.1 **¶612488739**
WEL II 14 09 22 36.7–.43 42S–3.0 174E–4.0 9–3 3.9L,3.8
ISC Event type se.
NOU South Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC II 14 10 01 36.3–.92 41.91S–.03 171.85E–.03 12 55 0-5
WEL II 14 10 01 36.3–.48 42S–3.0 172E–4.0 5 3.4L,3.2 **¶612488740**
NOU II 14 10 01 36.4 41.95S 171.77E 0 3.7,3.2
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=112.6.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU South Island, New Zealand.
WEL II 14 10 32 57.0–.53 42S–2.0 174E–4.0 5 2.4L,1.9
¶614540845
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC II 14 15 02 03.5–1.6 41.31S–.05 172.73E–.05 156–8 87 0-5
NOU II 14 15 02 04.4 41.33S 172.76E 148 3.8 **¶612488743**
WEL II 14 15 02 05.8–.99 41S–7.0 173E–8.0 132–6 3.1,3.1
ISC Event type se.
NOU South Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL II 14 17 12 14.8–.55 42S–4.0 174E–5.0 12–3 3.0L,2.8
¶614540873
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC II 14 21 17 59.0–1.1 42.76S–.03 172.91E–.03 12–10 91 0-6
NOU II 14 21 17 46.0 43.70S 172.72E 0 4.1 **¶612488747**
WEL II 14 21 17 59.3 43S–3.0 173E–5.0 20–7 3.4L,3.2
ISC Event type se.
NOU South Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID
smi:org.gfz-potsdam.de/geofon/nz3drx. manual. confirmed.
ISC II 15 11 29 23.8–1.0 42.44S–.03 173.76E–.04 14–7 90 0-6
NOU II 15 11 29 23.7 42.50S 173.79E 5 3.9 **¶612488753**
WEL II 15 11 29 25.3–.56 42S–3.0 174E–4.0 7–5 3.5L,3.4
ISC Event type se.
NOU South Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC II 16 01 08 34.2–.88 42.72S–.02 172.08E–.03 15–6 131 0-149
WEL II 16 01 08 00 42.70S 172.06E 9 4.4L,4.0W **¶611399679**
WEL II 16 01 08 33.1 43S–4.0 172E–4.0 12–5 4.5L,4.4
NOU II 16 01 08 35.7 42.79S 172.22E 83 4.6,4.4
IDC II 16 01 08 56.1–3.3 48.56S 163.28E 0 3.6,3.6b
ISC Event type ke.
WEL Moment Tensor Solution. s5 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.18 $M_{\theta\theta}$0.85 $M_{\phi\phi}$-0.66
$M_{r\theta}$-0.06 $M_{\theta\phi}$-1.11 $M_{\phi r}$-0.07 NP1:ϕ_s343.00000°,δ86.00000°,λ-3.00000°. NP2:ϕ_s73.00000°
,δ87.00000°,λ-176.00000°. Principal axes: T 143.5400,Plg1.0000°,Azm208.0000°
; N -125.8600,Plg85.0000°,Azm109.0000°; P -17.6800,Plg5.0000°,Azm299.0000°
$M_0$1.35000×10^{15}
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=28.7.
smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID
smi:org.gfz-potsdam.de/geofon/nz3drx. manual. confirmed.
NOU South Island, New Zealand.
IDC Error ellipse: s-maj=246.4km s-min=50.5km az=29.0.
ISC II 16 05 52 07.9–1.3 42.54S–.03 173.18E–.03 17–11 87 0-6
WEL II 16 05 52 07.8 42S–4.0 173E–6.0 23–8 3.2L,3.1 **¶612488764**
NOU II 16 05 52 08.0 42.60S 173.22E 12 3.6,3.1
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=71.0.
smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID
smi:org.gfz-potsdam.de/geofon/nz3drx. manual. confirmed.
NOU South Island, New Zealand.
WEL II 16 08 57 01.7–.35 42S–2.0 174E–3.0 10–3 3.2L,3.0
¶614540973
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC II 16 14 29 29.0–1.0 42.18S–.03 173.83E–.04 25–10 66 0-4
WEL II 16 14 29 29.0–.32 42S–3.0 174E–3.0 13–3 3.3L,3.2 **¶612488768**
NOU II 16 14 29 30.9 42.24S 173.44E 8 3.7,3.2
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=125.5.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU South Island, New Zealand.
ISC II 17 12 36 15.7–.99 42.73S–.03 173.05E–.03 28–10 151 0-8
WEL II 17 12 36 00 42.66S 172.94E 16 3.9L,3.7W **¶611399694**
WEL II 17 12 36 15.0 43S–4.0 173E–6.0 25–8 4.0L,3.9
NOU II 17 12 36 15.1 42.80S 173.20E 21 4.2,3.9
ISC Event type ke.
WEL Moment Tensor Solution. s4 Moment tensor: Scale 10^{14}Nm; M_{rr}2.20 $M_{\theta\theta}$-1.20 $M_{\phi\phi}$-1.01
$M_{r\theta}$0.46 $M_{\theta\phi}$-2.99 $M_{\phi r}$-2.25 NP1:ϕ_s80.00000°,δ48.00000°,λ149.00000°. NP2:ϕ_s192.00000°
,δ67.00000°,λ47.00000°. Principal axes: T -43.5000,Plg48.0000°,Azm55.0000°
; N 2.5600,Plg39.0000°,Azm212.0000°; P 40.9400,Plg11.0000°,Azm312.0000°
$M_0$4.22000×10^{14}
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=77.4.
smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID
smi:org.gfz-potsdam.de/geofon/nz3drx. manual. confirmed.
NOU South Island, New Zealand.
ISC II 17 12 43 29.5–1.4 42.03S–.04 173.93E–.04 17–14 32 0-4
WEL II 17 12 43 29.8 42S–5.0 174E–7.0 21–8 2.9L,2.7 **¶612488777**
NOU II 17 12 43 33.3 42.09S 173.41E 0 3.6,2.7
ISC Event type ke.
WEL Error ellipse: s-maj=0.0km s-min=0.0km az=102.1.
smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID
smi:org.gfz-potsdam.de/geofon/nz3drx. automatic.
NOU South Island, New Zealand.
WEL II 17 15 28 18.3 43S–5.0 173E–9.0 28–14 4.6b,3.8
¶614541044
WEL smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID
smi:org.gfz-potsdam.de/geofon/nz3drx. automatic.
WEL II 18 02 51 47.3 42S–4.0 173E–6.0 7–6 2.4L,2.1
¶614541061
WEL Event type se. smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID
smi:org.gfz-potsdam.de/geofon/nz3drx. manual. confirmed.
WEL II 19 11 38 12.1 43S–8.0 173E–14 33–21 6.2b,5.9
¶614541147
WEL smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID
smi:org.gfz-potsdam.de/geofon/nz3drx. automatic.
ISC II 20 01 16 07.3–.44 42.72S–.02 172.77E–.03 21–2 4.7b,3.6s 174 0-153
WEL II 20 01 16 00 42.76S 172.83E 11 4.8L,4.5W **¶610272752**
IDC II 20 01 16 05.3–.97 42.73S 172.57E 0 4.3,4.3b
WEL II 20 01 16 06.8–.28 43S–2.0 173E–3.0 14–3 5.0L,4.8
NEIC II 20 01 16 06.7–1.5 42.72S–.02 172.72E–.04 18–1 4.8b,4.4
NOU II 20 01 16 06.5 42.89S 172.97E 18 5.1,4.4
ISC Event type se.
WEL Moment Tensor Solution. s7 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.72 $M_{\theta\theta}$4.29 $M_{\phi\phi}$-3.57
$M_{r\theta}$-0.92 $M_{\theta\phi}$-5.38 $M_{\phi r}$-0.34 NP1:ϕ_s342.00000°,δ81.00000°,λ-2.00000°. NP2:ϕ_s72.00000°
,δ88.00000°,λ-171.00000°. Principal axes: T 708.3700,Plg5.0000°,Azm207.0000°
; N -639.5100,Plg81.0000°,Azm84.0000°; P -68.8600,Plg8.0000°,Azm298.0000°
$M_0$6.74000×10^{15}
IDC Error ellipse: s-maj=25.9km s-min=21.9km az=96.0.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=121.5.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=4.2km s-min=2.6km az=114.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-0.62 $M_{\theta\theta}$2.42 $M_{\phi\phi}$-1.80 $M_{r\theta}$-1.74
$M_{\theta\phi}$-5.01 $M_{\phi r}$-1.11 NP1:ϕ_s347.04000°,δ70.18000°,λ-9.08000°. NP2:ϕ_s80.14000°,δ81.46000°
,λ-159.95000°. Principal axes: T 5.8664,Plg8.0000°,Azm212.0000°; N -0.0448,Plg68.0000°
,Azm102.0000°; P -5.8216,Plg20.0000°,Azm305.0000° $M_0$5.84000×10^{15}
NOU South Island, New Zealand.
WEL II 20 16 35 28.2 43S–4.0 173E–7.0 16–10 4.9b,4.2
¶614541234
WEL smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID
smi:org.gfz-potsdam.de/geofon/nz3drx. automatic.

ISC II 21 04 29 39.6–1.1 42.25S–.03 173.59E–.04 21–1 64 0-5
WEL II 21 04 29 38.8–.33 42S–3.0 174E–4.0 15–3 3.4L,3.3 **¶612488838**
NOU II 21 04 29 39.3 42.39S 173.68E 21 3.6,3.3
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=123.8. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU South Island, New Zealand.
ISC II 21 14 31 49.8–.97 42.75S–.03 172.85E–.03 16–8 70 0-6
NOU II 21 14 31 48.4 42.83S 172.95E 8 3.7 **¶612488845**
WEL II 21 14 31 49.1–.33 43S–3.0 173E–3.0 8–3 3.2L,3.0
ISC Event type se.
NOU South Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL II 21 19 39 53.8–.54 42S–4.0 174E–4.0 17–5 4.1L,3.9
WEL II 21 19 39 00 42.27S 173.63E 19 3.9L,3.8W **¶611572131**
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=128.4. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL Moment Tensor Solution. s5 Moment tensor: Scale 10^{15}Nm; M_{rr}1.42 $M_{\theta\theta}$4.43 $M_{\phi\phi}$-5.85 $M_{r\theta}$0.01 $M_{\theta\phi}$-3.64 $M_{\phi r}$-0.36 NP1:ϕ_s63.00000°,δ87.00000°,λ-180.00000°. NP2:ϕ_s333.00000°,δ90.00000°,λ-3.00000°. Principal axes: T -70.1900,Plg2.0000°,Azm18.0000°; N 55.8900,Plg87.0000°,Azm153.0000°; P 14.3000,Plg2.0000°,Azm288.0000° $M_0$6.30000×10^{14}
WEL II 21 20 05 26.5–.27 43S–2.0 173E–3.0 9–3 3.1,3.1
¶614541319
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC II 22 00 13 10.2–1.3 42.29S–.03 173.88E–.03 10–10 81 0-4
NOU II 22 00 13 10.5 42.35S 173.95E 12 3.4 **¶612488849**
WEL II 22 00 13 10.7–.35 42S–2.0 174E–3.0 14–2 3.1L,3.0
ISC Event type se.
NOU South Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC II 22 03 13 33.8–.86 42.66S–.03 172.72E–.03 10 82 0-6
NOU II 22 03 13 34.5 42.72S 172.78E 12 3.6 **¶612488850**
WEL II 22 03 13 34.3–.47 43S–3.0 173E–4.0 16–5 3.2L,3.1
ISC Event type se.
NOU South Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL II 22 15 12 44.5–.69 42S–3.0 174E–4.0 5 2.7L,2.4
¶614541382
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC II 23 13 35 54.5–.92 43.14S–.02 171.74E–.02 12–6 4.6b,3.8s 213 0-153
WEL II 23 13 35 00 43.13S 171.70E 8 4.9L,4.7W **¶610272936**
IDC II 23 13 35 52.6–1.1 43.12S 171.91E 0 4.2,4.2b
WEL II 23 13 35 54.0–.27 43S–2.0 172E–2.0 8–2 5.1L,5.0
NEIC II 23 13 35 54.0–1.7 43.14S–.05 171.73E–.07 10–3 4.7,4.6b
ISC Event type se.
WEL Moment Tensor Solution. s13 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.01 $M_{\theta\theta}$0.81 $M_{\phi\phi}$-0.80 $M_{r\theta}$0.06 $M_{\theta\phi}$-1.17 $M_{\phi r}$0.13 NP1:ϕ_s253.00000°,δ86.00000°,λ-176.00000°. NP2:ϕ_s163.00000°,δ86.00000°,λ-4.00000°. Principal axes: T 1428.7500,Plg0.0000°,Azm28.0000°; N -1431.8100,Plg84.0000°,Azm298.0000°; P 3.0600,Plg6.0000°,Azm118.0000° $M_0$1.43000×10^{16}
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-0.15 $M_{\theta\theta}$0.70 $M_{\phi\phi}$-0.55 $M_{r\theta}$-0.02 $M_{\theta\phi}$-1.03 $M_{\phi r}$-0.12 NP1:ϕ_s344.10000°,δ86.50000°,λ-6.02000°. NP2:ϕ_s74.47000°,δ83.99000°,λ-176.48000°. Principal axes: T 1.2784,Plg2.0000°,Azm29.0000°; N -0.1358,Plg83.0000°,Azm134.0000°; P -1.1426,Plg7.0000°,Azm299.0000° $M_0$1.22000×10^{16}
ISC II 23 14 49 57.4–1.0 43.19S–.03 171.77E–.03 13–10 72 0-7
WEL II 23 14 49 56.4 43S–3.0 172E–4.0 10–5 3.5L,3.3 **¶612488869**
NOU II 23 14 49 57.6 43.29S 171.91E 11 3.8,3.3
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=99.3. smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID smi:org.gfz-potsdam.de/geofon/nz3drx. manual. confirmed.
NOU South Island, New Zealand.
ISC II 23 15 28 37.5–.88 43.16S–.03 171.73E–.03 13 52 0-5
WEL II 23 15 28 37.2–.89 43S–5.0 172E–5.0 5 3.7L,3.5 **¶611399790**
NOU II 23 15 28 38.7 43.18S 171.56E 15 4.1,3.5
WEL II 23 15 29 00 43.13S 171.72E 11 4.0L,3.8W
ISC Event type ke.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=56.4. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU South Island, New Zealand.
WEL Moment Tensor Solution. s6 Moment tensor: Scale 10^{14}Nm; M_{rr}1.21 $M_{\theta\theta}$5.19 $M_{\phi\phi}$-6.40 $M_{r\theta}$-0.28 $M_{\theta\phi}$-2.27 $M_{\phi r}$0.68 NP1:ϕ_s236.00000°,δ83.00000°,λ179.00000°. NP2:ϕ_s326.00000°,δ89.00000°,λ7.00000°. Principal axes: T -68.7700,Plg6.0000°,Azm192.0000°; N 56.5900,Plg83.0000°,Azm334.0000°; P 12.1800,Plg4.0000°,Azm101.0000° $M_0$6.27000×10^{14}
WEL II 23 15 29 59.4–.27 43S–2.0 172E–2.0 7–2 4.2L,4.0
¶616183283
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL II 23 16 10 36.0 43S–9.0 173E–13 12–15 4.8b,4.1
¶614541450
WEL smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID smi:org.gfz-potsdam.de/geofon/nz3drx. automatic.
ISC II 23 17 35 55.3–1.1 42.68S–.04 173.61E–.04 10 112 0-7
WEL II 23 17 35 54.9–.52 43S–4.0 174E–5.0 3–3 3.6L,3.5 **¶612488874**
NOU II 23 17 35 55.8 42.64S 173.67E 3 4.0,3.5
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=129.5. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU South Island, New Zealand.
ISC II 27 03 05 09.4–.97 42.14S–.03 173.51E–.03 10 46 0-3
NOU II 27 03 05 01.7 42.93S 172.80E 0 3.7 **¶612488919**
WEL II 27 03 05 09.5 42S–4.0 174E–6.0 24–9 3.0L,2.8
ISC Event type ke.
NOU South Island, New Zealand.
WEL smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID smi:org.gfz-potsdam.de/geofon/nz3drx. automatic.
ISC II 27 11 52 19.0–.89 42.73S–.03 172.73E–.03 10 74 0-6
WEL II 27 11 52 19.4–.33 43S–3.0 173E–3.0 12–3 3.1L,3.0 **¶612488929**
NOU II 27 11 52 19.0 42.86S 172.88E 15 3.5,3.0
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=143.8. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU South Island, New Zealand.
WEL II 27 19 00 57.5–.29 42S–3.0 174E–3.0 31–3 2.7L,2.4
¶614541677
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL II 28 06 19 00.2 43S–5.0 173E–11 15–14 5.9b,5.5
¶614563074
WEL smi:nz.org.geonet/NonLinLoc. earthModelID smi:nz.org.geonet/nz3drx. automatic.
ISC II 28 11 14 07.5–1.3 42.48S–.04 173.98E–.03 5–8 4.1b 194 0-150
WEL II 28 11 14 00 42.42S 173.88E 8 4.1L,4.0W **¶610385199**
IDC II 28 11 14 07.8–1.4 42.26S 173.80E 0 3.8,3.8L
NOU II 28 11 14 08.2 42.50S 173.97E 1 4.4,3.8L
NEIC II 28 11 14 08.7–1.2 42.47S–.03 173.95E–.06 10–1 4.2b,3.8L
WEL II 28 11 14 09.5–.43 42S–3.0 174E–4.0 12–3 4.1,4.1
ISC Event type se.
WEL Moment Tensor Solution. s5 Moment tensor: Scale 10^{15}Nm; M_{rr}0.19 $M_{\theta\theta}$0.20 $M_{\phi\phi}$-0.40 $M_{r\theta}$0.59 $M_{\theta\phi}$-1.12 $M_{\phi r}$0.05 NP1:ϕ_s174.00000°,δ62.00000°,λ7.00000°. NP2:ϕ_s81.00000°,δ84.00000°,λ152.00000°. Principal axes: T -136.5100,Plg24.0000°,Azm34.0000°; N 125.7500,Plg61.0000°,Azm249.0000°; P 10.7600,Plg15.0000°,Azm131.0000° $M_0$1.31000×10^{15}
NOU South Island, New Zealand.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL II 28 19 03 08.5–.43 42S–2.0 174E–3.0 9–2 3.5L,3.3
¶614563053
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL II 28 20 27 05.0–.49 42S–3.0 174E–4.0 9–3 3.3L,3.1
¶614563089
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC II 28 21 19 42.1–.91 42.99S–.02 173.21E–.03 10–5 4.6b,3.7s 244 0-176
WEL II 28 21 19 00 42.97S 173.10E 6 4.8L,4.5W **¶610242079**
NOU II 28 21 19 40.7 43.14S 173.38E 0 4.9,4.5W
IDC II 28 21 19 40.6–.64 42.91S 173.17E 0 4.4b,4.3
NEIC II 28 21 19 42.1–1.8 43.03S–.04 173.20E–.06 9–2 4.7b,4.5
NEIC II 28 21 19 42.3 43.04S 173.18E 13 4.7b,4.5
WEL II 28 21 19 43.0–.43 43S–3.0 173E–4.0 10–3 4.9L,4.8
ISC Event type se.
WEL Moment Tensor Solution. s13 Moment tensor: Scale 10^{15}Nm; M_{rr}8.04 $M_{\theta\theta}$-1.86 $M_{\phi\phi}$-6.18 $M_{r\theta}$-0.29 $M_{\theta\phi}$-3.87 $M_{\phi r}$1.59 NP1:ϕ_s218.00000°,δ41.00000°,λ101.00000°. NP2:ϕ_s23.00000°,δ50.00000°,λ80.00000°. Principal axes: T -853.8100,Plg81.0000°,Azm241.0000°; N 27.0500,Plg7.0000°,Azm29.0000°; P 826.7600,Plg5.0000°,Azm120.0000° $M_0$8.40000×10^{15}
NOU Off E. Coast of S. Island, N.Z.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}7.16 $M_{\theta\theta}$-2.38 $M_{\phi\phi}$-4.78 $M_{r\theta}$0.88 $M_{\theta\phi}$-4.03 $M_{\phi r}$1.41 NP1:ϕ_s217.87000°,δ38.76000°,λ91.80000°. NP2:ϕ_s35.56000°,δ51.26000°,λ88.56000°. Principal axes: T 7.3475,Plg84.0000°,Azm296.0000°; N 0.6176,Plg1.0000°,Azm36.0000°; P -7.9651,Plg6.0000°,Azm127.0000° $M_0$7.67000×10^{15}
NEIC Event type se.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL III 01 16 20 28.2–.35 43S–3.0 173E–4.0 8–3 3.8L,3.6
¶614541732
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC III 01 19 10 15.1–.96 43.00S–.03 173.01E–.04 8–7 52 0-4
NOU III 01 19 10 14.6 43.01S 172.98E 0 3.5 **¶612488971**
WEL III 01 19 10 14.8–.42 43S–3.0 173E–3.0 9–2 3.4L,3.3
ISC Event type se.
NOU South Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL III 01 19 47 37.2–.47 43S–3.0 173E–3.0 11–3 3.5L,3.3
¶614541756
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL III 02 07 41 51.7 42S–6.0 174E–10 13–12 4.9b,4.2
¶614541792
WEL smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID smi:org.gfz-potsdam.de/geofon/nz3drx. automatic.
ISC III 02 09 27 27.3–.00 42.63S–.03 173.27E–.04 10 55 0-5
NOU III 02 09 27 27.6 42.64S 173.23E 0 3.5 **¶612488986**
WEL III 02 09 27 27.8 43S–4.0 173E–8.0 27–12 2.9L,2.7
ISC Event type ke.
NOU South Island, New Zealand.
WEL smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID smi:org.gfz-potsdam.de/geofon/nz3drx. automatic.
WEL III 02 10 11 34.7 43S–5.0 173E–9.0 18–13 5.0b,4.3
¶614541798
WEL smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID smi:org.gfz-potsdam.de/geofon/nz3drx. automatic.
WEL III 02 12 08 57.9 43S–8.0 173E–23 13–28 4.9b,4.2
¶614541803
WEL smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID smi:org.gfz-potsdam.de/geofon/nz3drx. automatic.
WEL III 02 19 18 49.2–.33 43S–3.0 173E–4.0 17–4 3.4L,3.2
¶614541836
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL III 03 23 05 07.9–.36 42S–2.0 174E–4.0 11–3 2.6L,2.3
¶614541914
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC III 04 01 09 18.8–1.2 41.41S–.03 172.24E–.03 7–11 83 0-5
NOU III 04 01 09 19.0 41.38S 172.09E 4 3.8 **¶612489002**
WEL III 04 01 09 19.7–.36 41S–2.0 172E–2.0 5 3.5L,3.3
ISC Event type se.
NOU South Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC III 04 04 11 54.6–1.3 42.70S–.02 172.69E–.03 5–12 89 0-7
NOU III 04 04 11 54.8 42.76S 172.68E 3 4.1 **¶612489003**
WEL III 04 04 11 55.5–.34 43S–2.0 173E–3.0 10–4 4.0L,3.9
ISC Event type se.
NOU South Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL III 04 06 15 04.9–.50 42S–3.0 174E–5.0 25–4 3.5L,3.3
¶614541936
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL III 04 09 19 10.9–.31 42S–2.0 174E–3.0 11–2 2.7L,2.5
¶614541951
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL III 04 13 28 18.3–.55 42S–3.0 174E–4.0 9–3 3.3L,3.1
¶614541959
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL III 04 15 49 34.8–.29 42S–2.0 174E–3.0 9–2 3.2L,3.1
¶614541964
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC III 05 13 14 43.3–1.2 41.94S–.03 173.54E–.03 13–10 113 0-150
IDC III 05 13 14 37.0–7.2 40.45S 174.81E 0 3.4,3.4b **¶610545592**
WEL III 05 13 14 43.7–.30 42S–3.0 174E–2.0 12–3 3.9L,3.7
ISC Event type se.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL III 05 15 22 18.4–.40 43S–3.0 173E–3.0 8–2 3.6L,3.4
¶614542030
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL III 05 18 24 15.2–.47 42S–3.0 173E–3.0 5 2.5L,2.1
¶614542036
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL III 05 22 15 37.4–.54 42S–3.0 174E–5.0 15–4 2.3L,2.2
¶614542047

WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL III 05 22 36 17.8–.42 42S–3.0 173E–3.0 5 2.5L
¶614542048
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL III 06 05 48 08.9–.64 42S–3.0 174E–4.0 5–3 2.5L,2.3
¶614542062
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL III 06 06 42 11.8–.52 42S–3.0 174E–4.0 5 2.9L,2.8
¶614542063
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL III 06 10 34 02.3–.42 42S–3.0 174E–3.0 5 2.4L,2.1
¶614542072
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC III 06 22 09 54.8–.87 43.17S–.02 171.65E–.02 14–6 102 0-7
WEL III 06 22 09 00 43.13S 171.60E 7 4.1L,3.8W **¶611400016**
WEL III 06 22 09 54.4–.29 43S–2.0 172E–2.0 5 4.2L,4.0
NOU III 06 22 09 54.8 43.25S 171.77E 11 4.2,4.0
ISC Event type ke.
WEL Moment Tensor Solution. s11 Moment tensor: Scale 10^{14}Nm; M_{rr}0.80 $M_{\theta\theta}$4.39 $M_{\phi\phi}$-5.19 $M_{r\theta}$2.50 $M_{\theta\phi}$-4.76 $M_{\phi r}$2.01 NP1:ϕ_s156.00000°,δ66.00000°,λ-2.00000°. NP2:ϕ_s247.00000° ,δ89.00000°,λ-156.00000°. Principal axes: T -80.5900,Plg16.0000°,Azm19.0000° ; N 67.9100,Plg66.0000°,Azm249.0000°; P 12.6800,Plg18.0000°,Azm114.0000° $M_0$7.42000$\times10^{14}$
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=46.8.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU South Island, New Zealand.
ISC III 07 08 19 52.5–.86 42.52S–.03 173.20E–.03 15 58 0-4
NOU III 07 08 19 51.8 42.57S 173.10E 0 3.7 **¶612489028**
WEL III 07 08 19 53.0–.47 42S–3.0 173E–4.0 3–3 3.1L,2.9
ISC Event type se.
NOU South Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL III 07 12 03 25.3–.39 42S–2.0 174E–3.0 8–3 3.4L,3.2
¶614542118
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL III 07 15 22 12.9–.49 42S–3.0 173E–4.0 9–4 2.6L,2.2
¶614542131
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL III 07 17 57 55.2 43S–5.0 173E–8.0 14–11 4.9b,4.2
¶614542138
WEL smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID
smi:org.gfz-potsdam.de/geofon/nz3drx. automatic.
WEL III 08 04 43 36.5–1.0 42S–6.0 172E–6.0 81–9 3.0,3.0
¶614542151
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC III 09 02 50 46.5–1.5 41.32S–.04 172.75E–.05 148–8 88 0-5
NOU III 09 02 50 47.0 41.29S 172.76E 144 3.8 **¶612489046**
WEL III 09 02 50 49.3–.90 41S–6.0 173E–5.0 119–6 2.9,2.9
ISC Event type se.
NOU South Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL III 09 09 26 59.5–.95 42S–5.0 174E–5.0 4–5 2.2L,2.0
¶614542204
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL III 09 09 51 23.6–.73 42S–3.0 174E–5.0 5 2.0L,1.8
¶614542205
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL III 09 11 39 59.7–.88 42S–4.0 174E–5.0 5–7 2.4,2.4
¶614542208
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL III 09 11 41 12.3–1.0 42S–7.0 173E–7.0 5–3 2.4L,2.3
¶614542209
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC III 09 16 00 57.8–1.0 42.72S–.03 173.27E–.03 30–8 4.1b 217 0-153
WEL III 09 16 00 00 42.76S 173.29E 38 4.2W,4.2L **¶610312566**
IDC III 09 16 00 54.3–1.2 42.54S 173.22E 0 3.7L,3.6
NOU III 09 16 00 57.8 42.84S 173.46E 29 4.5,3.6
WEL III 09 16 00 58.9–.37 43S–4.0 173E–5.0 20–6 4.5L,4.5
NEIC III 09 16 00 58.7–1.4 42.77S–.03 173.25E–.06 35–6 4.3b,4.1
NEIC III 09 16 00 58.7 42.76S 173.26E 45 4.3b,4.1
ISC Event type se.
WEL Moment Tensor Solution. s5 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.55 $M_{\theta\theta}$2.32 $M_{\phi\phi}$-1.77 $M_{r\theta}$0.83 $M_{\theta\phi}$-0.17 $M_{\phi r}$0.94 NP1:ϕ_s135.00000°,δ57.00000°,λ-12.00000°. NP2:ϕ_s231.00000° ,δ80.00000°,λ-147.00000°. Principal axes: T 254.6300,Plg15.0000°,Azm359.0000° ; N -19.5800,Plg55.0000°,Azm245.0000°; P -235.0500,Plg30.0000°,Azm98.0000° $M_0$2.45000$\times10^{15}$
IDC Error ellipse: s-maj=32.9km s-min=26.9km az=127.0.
NOU South Island, New Zealand.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=133.7.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=6.7km s-min=3.2km az=121.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}0.66 $M_{\theta\theta}$1.09 $M_{\phi\phi}$-1.76 $M_{r\theta}$0.82 $M_{\theta\phi}$-0.67 $M_{\phi r}$0.22 NP1:ϕ_s51.76000°,δ72.91000°,λ147.18000°. NP2:ϕ_s152.49000°,δ58.80000° ,λ20.10000°. Principal axes: T 1.7729,Plg35.0000°,Azm8.0000°; N 0.1973,Plg53.0000° ,Azm207.0000°; P -1.9702,Plg9.0000°,Azm105.0000° $M_0$1.88000$\times10^{15}$
NEIC Event type se.
ISC III 09 16 27 33.5–1.3 42.16S–.03 173.73E–.04 22–6 76 0-7
NOU III 09 16 27 33.7 42.23S 173.86E 34 3.8 **¶612489051**
WEL III 09 16 27 34.4–.40 42S–3.0 174E–4.0 25–5 3.3L,3.0
ISC Event type se.
NOU South Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC III 10 06 45 15.7–.86 42.47S–.03 173.60E–.04 34–2 4.4b,3.6s 218 0-153
WEL III 10 06 45 00 42.45S 173.54E 32 4.5L,4.4W **¶610317002**
IDC III 10 06 45 10.0–.65 42.14S 173.49E 0 4.2,4.2b
NEIC III 10 06 45 14.6–1.2 42.47S–.04 173.59E–.06 27–5 4.5b,4.2
NOU III 10 06 45 14.0 42.58S 173.78E 23 4.8,4.2
WEL III 10 06 45 15.2–.40 42S–3.0 174E–5.0 34–4 4.8L,4.5
NEIC III 10 06 45 15 42.48S 173.62E 31 4.8L,4.5
ISC Event type se.
WEL Moment Tensor Solution. s5 Moment tensor: Scale 10^{15}Nm; M_{rr}-4.42 $M_{\theta\theta}$2.17 $M_{\phi\phi}$2.25 $M_{r\theta}$1.27 $M_{\theta\phi}$1.72 $M_{\phi r}$1.43 NP1:ϕ_s45.00000°,δ33.00000°,λ-88.00000°. NP2:ϕ_s223.00000° ,δ57.00000°,λ-91.00000°. Principal axes: T 434.3800,Plg12.0000°,Azm314.0000° ; N 49.1500,Plg1.0000°,Azm223.0000°; P -483.5300,Plg78.0000°,Azm129.0000° $M_0$4.59000$\times10^{15}$
IDC Error ellipse: s-maj=22.5km s-min=22.0km az=114.0.
NEIC Event type se. Error ellipse: s-maj=7.2km s-min=4.1km az=122.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-2.03 $M_{\theta\theta}$0.95 $M_{\phi\phi}$1.08 $M_{r\theta}$1.49 $M_{\theta\phi}$0.69 $M_{\phi r}$1.56 NP1:ϕ_s223.34000°,δ69.58000°,λ-89.39000°. NP2:ϕ_s41.59000°,δ20.42000° ,λ-91.63000°. Principal axes: T 2.6936,Plg25.0000°,Azm313.0000°; N 0.3255,Plg1.0000° ,Azm43.0000°; P -3.0191,Plg65.0000°,Azm134.0000° $M_0$2.87000$\times10^{15}$
NOU South Island, New Zealand.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=116.4.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se.
WEL III 10 14 46 38.8 42S–8.0 174E–11 9–19 2.4L,2.1
¶614542275
WEL smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID
smi:org.gfz-potsdam.de/geofon/nz3drx. automatic.
ISC III 11 05 58 04.7–.68 42.19S–.03 172.90E–.03 61–5 4.5b 246 0-154
WEL III 11 05 58 00 42.15S 172.84E 50 4.9L,4.4W **¶610323203**
IDC III 11 05 58 02.0–1.3 42.22S 173.07E 44–12 4.3,4.3L
NOU III 11 05 58 03.9 42.24S 172.98E 62 5.1,4.3L
NEIC III 11 05 58 04.7–1.6 42.16S–.03 172.82E–.04 48–6 4.5b,4.4
WEL III 11 05 58 04.7–.39 42S–3.0 173E–3.0 29–5 5.2L,4.9
NEIC III 11 05 58 04.9 42.18S 172.84E 51 5.2L,4.9
ISC Event type se.
WEL Moment Tensor Solution. s4 Moment tensor: Scale 10^{15}Nm; M_{rr}0.97 $M_{\theta\theta}$3.31 $M_{\phi\phi}$-4.28 $M_{r\theta}$2.06 $M_{\theta\phi}$3.00 $M_{\phi r}$1.26 NP1:ϕ_s119.00000°,δ67.00000°,λ16.00000°. NP2:ϕ_s23.00000° ,δ75.00000°,λ156.00000°. Principal axes: T 557.0700,Plg27.0000°,Azm340.0000° ; N -20.3200,Plg62.0000°,Azm172.0000°; P -536.7500,Plg5.0000°,Azm72.0000° $M_0$5.47000$\times10^{15}$
IDC Error ellipse: s-maj=26.1km s-min=8.8km az=129.0.
NOU South Island, New Zealand.
NEIC Event type se. Error ellipse: s-maj=5.3km s-min=4.0km az=142.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}1.35 $M_{\theta\theta}$2.22 $M_{\phi\phi}$-3.57 $M_{r\theta}$2.30 $M_{\theta\phi}$2.71 $M_{\phi r}$1.05 NP1:ϕ_s18.00000°,δ67.52000°,λ153.05000°. NP2:ϕ_s119.00000°,δ65.25000° ,λ24.90000°. Principal axes: T 5.0304,Plg35.0000°,Azm338.0000°; N -0.3822,Plg55.0000° ,Azm161.0000°; P -4.6482,Plg1.0000°,Azm69.0000° $M_0$4.85000$\times10^{15}$
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=117.7.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se.
ISC III 11 21 54 08.2–.92 45.15S–.04 167.09E–.04 29–7 4.1b,3.5s 183 0-152
WEL III 11 21 54 00 45.19S 167.08E 28 4.7L,4.3W **¶610546039**
NOU III 11 21 54 06.8 45.14S 167.05E 11 4.8b,4.3W
WEL III 11 21 54 07.8–.89 45S–5.0 167E–6.0 18–5 4.9L,4.7
NEIC III 11 21 54 08.1–1.3 45.18S–.05 167.08E–.05 30–5 4.3,4.2b
NEIC III 11 21 54 08.1 45.18S 167.08E 30 4.3,4.2b
IDC III 11 21 54 13.3–3.3 44.83S 167.35E 69–31 4.8L,4.0
ISC Event type se.
WEL Moment Tensor Solution. s5 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.10 $M_{\theta\theta}$-2.23 $M_{\phi\phi}$2.32 $M_{r\theta}$-2.06 $M_{\theta\phi}$-0.27 $M_{\phi r}$-1.36 NP1:ϕ_s136.00000°,δ44.00000°,λ-176.00000°. NP2:ϕ_s43.00000° ,δ87.00000°,λ-46.00000°. Principal axes: T -363.4000,Plg28.0000°,Azm99.0000° ; N 61.1200,Plg44.0000°,Azm220.0000°; P 302.2900,Plg33.0000°,Azm349.0000° $M_0$3.33000$\times10^{15}$
NOU South Island, New Zealand.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=108.7.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=8.8km s-min=3.4km az=147.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-1.37 $M_{\theta\theta}$-1.41 $M_{\phi\phi}$2.79 $M_{r\theta}$-1.33 $M_{\theta\phi}$0.99 $M_{\phi r}$-0.79 NP1:ϕ_s47.58000°,δ71.21000°,λ-43.71000°. NP2:ϕ_s154.69000°,δ49.14000° ,λ-154.80000°. Principal axes: T 3.2652,Plg14.0000°,Azm106.0000°; N -0.5357,Plg43.0000° ,Azm209.0000°; P -2.7295,Plg44.0000°,Azm3.0000° $M_0$3.03000$\times10^{15}$
NEIC Event type se.
IDC Error ellipse: s-maj=28.0km s-min=21.8km az=23.0.
ISC III 12 02 26 37.7–1.1 42.63S–.02 172.91E–.03 8–11 56 0-6
WEL III 12 02 26 38.7–.37 43S–3.0 173E–4.0 13–4 3.2L,3.0 **¶612489077**
NOU III 12 02 26 41.6 42.35S 171.57E 120 4.0,3.0
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=122.1.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU South Island, New Zealand.
WEL III 12 10 46 10.4–.53 42S–4.0 174E–4.0 11–4 2.4L,2.0
¶614542381
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL III 12 17 11 45.1–.41 42S–3.0 174E–4.0 25–5 2.8L,2.5
¶614542398
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC III 13 08 41 33.8–.78 43.56S–.03 171.55E–.03 23–5 4.4b 142 0-149
WEL III 13 08 41 00 43.52S 171.55E 15 4.0L,3.7W **¶610546124**
IDC III 13 08 41 30.2–1.6 43.42S 171.76E 0 4.2,4.2b
WEL III 13 08 41 33.7 44S–3.0 172E–4.0 15–3 4.2L,4.0
NOU III 13 08 41 33.7 43.59S 171.57E 14 4.2,4.0
NEIC III 13 08 41 34.4–1.6 43.59S–.05 171.60E–.05 23–6 4.4b,4.0
ISC Event type se.
WEL Moment Tensor Solution. s4 Moment tensor: Scale 10^{14}Nm; M_{rr}3.38 $M_{\theta\theta}$-1.54 $M_{\phi\phi}$-1.85 $M_{r\theta}$1.12 $M_{\theta\phi}$-1.09 $M_{\phi r}$4.16 NP1:ϕ_s228.00000°,δ19.00000°,λ116.00000°. NP2:ϕ_s21.00000° ,δ73.00000°,λ81.00000°. Principal axes: T -48.2500,Plg61.0000°,Azm279.0000° ; N -8.8100,Plg8.0000°,Azm23.0000°; P 57.0600,Plg27.0000°,Azm118.0000° $M_0$5.27000$\times10^{14}$
WEL Event type se. smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID
smi:org.gfz-potsdam.de/geofon/nz3drx. manual. confirmed.
NOU South Island, New Zealand.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL III 13 12 38 20.6–.47 43S–4.0 173E–4.0 12–5 2.5L
¶614542445
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL III 13 20 06 05.7–.59 42S–4.0 174E–6.0 5 2.4L,2.2
¶614542464
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL III 14 13 57 59.9–.50 42S–3.0 174E–4.0 9–4 2.4L,2.3
¶614542496
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC III 15 00 23 24.5–.49 44.91S–.05 167.67E–.05 132–4 4.5b 163 0-152
NOU III 15 00 23 23.1 45.01S 167.59E 154 5.0 **¶610329135**
IDC III 15 00 23 24.4–.83 44.81S 167.68E 128–7 4.5,4.2b
NEIC III 15 00 23 24.2–1.5 44.92S–.07 167.64E–.09 128–6 4.6b,4.2b
WEL III 15 00 23 25.9–.94 45S–4.0 168E–5.0 115–6 4.8,4.8
ISC Event type se.
NOU South Island, New Zealand.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC III 15 19 00 45.8–.86 42.44S–.03 173.55E–.03 16–5 99 0-7
NOU III 15 19 00 45.0 42.54S 173.63E 4 4.0 **¶612489116**
WEL III 15 19 00 46.2–.45 42S–3.0 174E–4.0 13–3 3.8L,3.6
ISC Event type se.
NOU South Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL III 16 08 16 31.5–1.1 42S–6.0 173E–8.0 67–9 2.1L,1.7
¶614542569
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL III 16 12 46 41.9–.45 42S–4.0 173E–4.0 33 2.1L,1.9
¶614542578

WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC III 16 13 02 32.1–.96 42.68S–.03 172.95E–.03 17–8 76 0-5
NOU III 16 13 02 31.6 42.80S 173.11E 11 3.6 **¶612489127**
WEL III 16 13 02 31.8–.35 43S–2.0 173E–4.0 8–4 3.4L,3.1
ISC Event type se.
NOU South Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL III 16 15 30 37.5–.56 42S–2.0 173E–3.0 5–2 2.9L,2.7
¶614542585
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC III 16 23 26 08.4–1.1 42.77S–.03 172.83E–.03 15–9 57 0-5
WEL III 16 23 26 08.5–.35 43S–2.0 173E–3.0 13–3 3.1L,2.9 **¶612489131**
NOU III 16 23 26 08.1 42.85S 172.96E 15 3.5,2.9
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=117.3.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU South Island, New Zealand.
WEL III 16 23 45 57.1–.55 42S–3.0 174E–4.0 5 2.4L,2.1
¶614542603
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL III 17 01 47 04.5–.47 43S–3.0 173E–4.0 11–4 2.8L,2.8
¶614542605
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL III 17 02 30 16.5–.91 42S–3.0 174E–4.0 5–7 2.4L,2.3
¶614542609
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL III 17 06 08 35.1–.67 42S–3.0 174E–3.0 5–3 2.1,2.1
¶614542617
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL III 17 06 34 38.1–.45 42S–3.0 173E–3.0 5 2.3L,1.9
¶614542619
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL III 17 09 13 27.6–.32 43S–2.0 173E–3.0 13–3 3.6L,3.4
¶614542629
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL III 17 12 21 24.0–.60 44S–4.0 168E–4.0 5 2.7L,2.3
¶614542642
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL III 17 16 24 52.8–.59 42S–3.0 174E–3.0 5–3 2.4L,2.0
¶614542654
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL III 17 21 14 44.5–.44 42S–3.0 174E–3.0 5 2.5L,2.3
¶614542661
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL III 17 22 20 04.8–.51 42S–2.0 174E–4.0 5 2.6L,2.0
¶614542665
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL III 17 22 28 18.9–.35 42S–2.0 174E–3.0 12–2 2.9L,2.6
¶614542666
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL III 18 09 34 06.1–.47 42S–3.0 174E–5.0 17–4 2.3,2.3
¶614542688
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL III 18 13 51 09.0–.45 42S–3.0 174E–4.0 19–3 3.8L,3.6
¶614542701
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC III 19 01 08 14.9–1.2 42.30S–.03 173.88E–.03 15–8 4.3b 180 0-150
IDC III 19 01 08 13.2–1.9 42.08S 173.80E 0 3.8,3.7b **¶610546483**
NEIC III 19 01 08 15.8–1.2 42.29S–.03 173.85E–.04 21–6 4.2b,3.7b
WEL III 19 01 08 15.7–.53 42S–4.0 174E–4.0 11–4 4.1L,3.8
NOU III 19 01 08 15.5 42.40S 173.88E 14 4.1,3.8
ISC Event type se.
IDC Error ellipse: s-maj=45.2km s-min=25.9km az=137.0.
NEIC Event type se. Error ellipse: s-maj=4.7km s-min=2.9km az=124.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=127.1.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU South Island, New Zealand.
WEL III 19 05 07 11.5–.59 42S–2.0 174E–3.0 5–4 2.6L,2.5
¶614542738
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL III 19 08 09 08.7–.47 42S–2.0 174E–3.0 5–2 2.5L,2.4
¶614542741
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL III 19 11 03 13.0–.46 42S–4.0 173E–6.0 22–9 2.4,2.4
¶614542750
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL III 19 12 02 09.7–.43 42S–4.0 173E–5.0 32–6 2.2L,2.1
¶614542752
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL III 19 15 49 48.0–.53 42S–3.0 174E–3.0 5–3 2.6,2.6
¶614542759
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL III 19 18 31 04.2–.62 42S–2.0 173E–4.0 5–5 2.6L,2.4
¶614542764
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL III 19 18 36 01.6–.64 42S–4.0 173E–7.0 6–9 2.6L,2.3
¶614542765
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL III 19 18 41 33.7–.45 42S–3.0 173E–4.0 5 2.6L,2.4
¶614542766
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL III 21 05 27 12.7–.99 45S–4.0 167E–6.0 5 3.5L,3.3
¶614542845
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC III 21 09 45 02.7–1.2 41.97S–.03 173.95E–.03 14–11 88 0-4
WEL III 21 09 45 03.7–.32 42S–2.0 174E–2.0 15–3 3.2L,3.0 **¶612489185**
NOU III 21 09 45 06.7 42.04S 173.67E 20 3.5,3.0
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=120.0.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU South Island, New Zealand.

WEL III 21 10 32 06.5–.39 43S–3.0 173E–4.0 5 2.4L,2.2
¶614542857
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL III 21 12 17 23.5–.47 42S–3.0 174E–4.0 12 2.5L,2.2
¶614542861
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL III 21 12 43 28.2–.38 43S–4.0 173E–4.0 12 2.6L,2.4
¶614542862
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL III 21 16 01 09.6–.40 43S–2.0 173E–3.0 5 2.4L,2.1
¶614542867
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL III 21 18 47 04.2–.48 42S–3.0 174E–3.0 5 2.4L,2.2
¶614542874
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL III 21 19 04 28.4–.81 42S–4.0 173E–5.0 71–8 2.4L,2.0
¶614542875
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL III 21 20 24 35.7–.52 43S–4.0 173E–3.0 12 2.2L,2.2
¶614542877
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC III 21 22 11 49.9–1.3 42.06S–.03 173.71E–.03 3–13 78 0-7
WEL III 21 22 11 50.7–.34 42S–2.0 174E–3.0 5 3.2L,3.0 **¶612489190**
NOU III 21 22 11 51.3 42.12S 173.67E 17 3.5,3.0
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=133.4.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU South Island, New Zealand.
WEL III 21 22 34 40.9–.41 42S–3.0 174E–3.0 5 2.2L,2.0
¶614542880
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL III 21 23 06 21.2–.41 42S–3.0 174E–3.0 5 2.4L,2.1
¶614542881
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL III 21 23 38 36.3–.42 42S–2.0 173E–3.0 5 2.7L,2.5
¶614542882
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL III 22 03 12 47.2 43S–5.0 174E–10 23–17 2.7L,2.4
¶616370351
WEL smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID
smi:org.gfz-potsdam.de/geofon/nz3drx. automatic.
ISC III 22 16 09 50.7–.97 42.40S–.03 173.64E–.04 24–6 101 0-7
NOU III 22 16 09 50.0 42.53S 173.74E 10 3.9 **¶612489195**
WEL III 22 16 09 50.4 42S–4.0 174E–7.0 27–11 3.6L,3.5
ISC Event type se.
NOU South Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID
smi:org.gfz-potsdam.de/geofon/nz3drx. manual. confirmed.
WEL III 23 07 03 54.4–.40 43S–3.0 173E–3.0 12 4.5b,3.7
¶614542957
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC III 23 10 22 32.8–.94 42.34S–.03 173.69E–.04 17–7 74 0-5
WEL III 23 10 22 32.8–.39 42S–2.0 174E–3.0 8–3 3.1L,2.9 **¶612489205**
NOU III 23 10 22 35.9 42.31S 173.06E 98 3.6,2.9
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=112.8.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU South Island, New Zealand.
ISC III 23 20 06 31.2–.00 42.59S–.03 173.47E–.04 13–8 82 0-7
NOU III 23 20 06 30.2 42.71S 173.61E 1 3.8 **¶612489210**
WEL III 23 20 06 32.0–.38 43S–3.0 173E–4.0 12–3 3.6L,3.4
ISC Event type se.
NOU South Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL III 24 18 40 59.3–.63 45S–3.0 168E–4.0 51–6 3.6L,3.5
¶614543027
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL III 25 05 12 40.4–.69 45S–3.0 168E–4.0 79–6 3.2L,3.0
¶614543047
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL III 25 21 16 10.5–.33 42S–2.0 173E–3.0 10–4 3.1L,3.0
¶614543084
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL III 26 00 25 03.8–.45 42S–2.0 174E–4.0 5 2.7L,2.5
¶614543092
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL III 26 02 32 50.1–.37 42S–2.0 174E–4.0 12 2.8L,2.5
¶614543097
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL III 26 11 49 44.4–.55 42S–3.0 174E–4.0 5 2.6L,2.3
¶614543108
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL III 26 12 30 59.2–.31 43S–2.0 173E–2.0 5 3.1L,3.0
¶614543112
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL III 26 12 54 35.4–1.1 45S–6.0 167E–7.0 73–9 2.9L,2.5
¶614543115
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL III 26 13 54 31.5–.40 42S–3.0 173E–3.0 5 2.4L,1.8
¶614543121
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL III 26 14 35 41.6–.41 42S–3.0 173E–3.0 5 2.4L,2.0
¶614543123
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL III 26 16 10 16.0–.77 42S–4.0 173E–4.0 78–6 2.6L,2.3
¶614543129
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL III 26 16 20 48.0–.43 42S–3.0 173E–3.0 5 2.7L,2.3
¶614543130
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL III 26 16 45 21.7–.46 42S–3.0 173E–3.0 5 2.4L,2.0
¶614543132
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL III 26 17 13 41.0–.64 41S–4.0 173E–3.0 74–5 3.9L,3.6

¶614543133
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC III 26 18 46 46.2–1.2 42.54S–.04 173.63E–.05 13–7 66 0-6
NOU III 26 18 46 44.9 42.65S 173.67E 0 3.7 ¶612489260
WEL III 26 18 46 47.6–.53 42S–4.0 174E–5.0 12–3 3.5L,3.3
ISC Event type se.
NOU South Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL III 27 04 00 16.2–1.2 41S–7.0 173E–5.0 120–8 1.8,1.8 ¶614543159
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL III 27 04 32 57.6–.47 42S–3.0 174E–4.0 5 2.6L,2.3 ¶614543162
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL III 27 04 35 17.4–.68 41S–4.0 173E–7.0 117–5 3.0,3.0 ¶614543163
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL III 27 05 56 47.5–.40 42S–3.0 173E–3.0 5 2.4L,2.3 ¶614543168
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL III 27 06 50 10.2–.39 43S–3.0 173E–3.0 5 2.5L,2.1 ¶614543171
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL III 27 08 47 11.1–.37 42S–2.0 174E–3.0 12 2.6L,2.3 ¶614543180
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL III 27 09 11 48.6–.41 42S–2.0 174E–3.0 5 2.5L,2.0 ¶614543184
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL III 27 12 38 50.6–.51 42S–3.0 174E–4.0 5 2.4,2.4 ¶614543194
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL III 27 14 39 02.9–.51 45S–4.0 168E–3.0 5 2.9L,2.8 ¶614543197
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC III 27 16 15 21.2–1.1 42.36S–.03 173.82E–.04 20–2 75 0-5
NOU III 27 16 15 20.3 42.42S 173.91E 13 3.9 ¶612489268
WEL III 27 16 15 21.5 42S–4.0 174E–8.0 26–12 3.4L,3.1
ISC Event type se.
NOU South Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID smi:org.gfz-potsdam.de/geofon/nz3drx. manual. confirmed.
WEL III 27 16 30 17.4–.35 42S–2.0 174E–3.0 5 2.5L,1.9 ¶614543200
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC III 27 20 41 12.5–1.2 42.36S–.03 173.93E–.04 13–9 80 0-5
NOU III 27 20 40 57.8 43.47S 174.00E 0 4.3 ¶612489270
WEL III 27 20 41 12.8 42S–4.0 174E–8.0 22–8 3.4L,3.1
ISC Event type se.
NOU Off E. Coast of S. Island, N.Z.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID smi:org.gfz-potsdam.de/geofon/nz3drx. manual. confirmed.
WEL III 28 04 21 46.5–.45 42S–3.0 173E–3.0 5 2.3L,1.9 ¶614543222
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC III 28 06 58 43.6–.95 42.04S–.02 173.75E–.03 16–9 63 0-4
WEL III 28 06 58 43.8–.31 42S–2.0 174E–2.0 5 3.0L,2.8 ¶612489273
NOU III 28 06 58 43.4 42.42S 173.07E 22 3.5,2.8
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=115.2. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU South Island, New Zealand.
WEL III 28 07 25 57.8–.39 43S–2.0 173E–3.0 5 2.3L,1.9 ¶614543226
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL III 28 08 31 14.6–.42 42S–2.0 174E–3.0 5 2.3L,2.0 ¶614543228
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL III 28 08 47 58.7–.41 43S–3.0 173E–3.0 12 2.2L,1.9 ¶614543230
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL III 28 09 12 34.7–.47 42S–3.0 174E–4.0 5 2.2L,1.8 ¶614543237
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL III 28 10 36 11.1–.44 43S–3.0 173E–3.0 5 2.2L,1.8 ¶614543243
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL III 28 12 42 10.6–.33 42S–2.0 174E–3.0 12 2.5L,2.3 ¶614543250
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL III 28 14 05 00.7–.35 42S–2.0 174E–3.0 5 3.2L,2.9 ¶614543257
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL III 28 14 36 16.7–.39 42S–3.0 174E–3.0 5 2.4L,2.3 ¶614543260
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL III 28 15 24 59.3–.41 42S–2.0 174E–3.0 5 2.2L,1.6 ¶614543264
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL III 28 17 12 43.9–.40 43S–3.0 173E–3.0 12 2.2,2.2L ¶614543277
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL III 28 17 30 24.3–.38 43S–2.0 173E–3.0 5 2.3L,2.0 ¶614543278
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL III 28 19 46 32.7–.51 42S–3.0 172E–3.0 5 2.3L,2.1 ¶614543283
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC III 28 21 19 34.8–1.2 42.54S–.03 173.70E–.04 8–9 88 0-6
NOU III 28 21 19 34.0 42.62S 173.68E 0 4.1 ¶612489281
WEL III 28 21 19 37.0–.62 42S–3.0 174E–5.0 8–3 3.9L,3.8
ISC Event type se.
NOU South Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL III 28 22 04 58.3–1.2 41S–10 172E–10 158–8 2.0,2.0 ¶614543286
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL III 28 22 06 34.9–.43 42S–3.0 174E–3.0 5 2.7L,2.6 ¶614543287
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL III 28 22 34 55.3–.38 42S–3.0 173E–3.0 5 2.5L,2.4 ¶614543290
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL III 28 22 45 36.2–.42 42S–3.0 174E–3.0 5 2.1L,2.0 ¶614543291
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL III 28 23 13 37.5–.69 42S–4.0 173E–4.0 60–7 2.7L,2.3 ¶614543292
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC III 29 06 45 48.1–1.0 42.14S–.03 173.70E–.03 24–10 73 0-6
WEL III 29 06 45 47.4 42S–3.0 174E–5.0 29–7 3.1L,3.0 ¶612489287
NOU III 29 06 45 49.7 42.29S 173.28E 3 3.6,3.0
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=80.5. smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID smi:org.gfz-potsdam.de/geofon/nz3drx. manual. confirmed.
NOU South Island, New Zealand.
ISC III 29 09 41 47.1–1.4 42.23S–.03 173.81E–.03 2–12 104 0-7
NOU III 29 09 41 49.2 42.34S 173.86E 16 4.0 ¶612489290
WEL III 29 09 41 49.7–.41 42S–2.0 174E–4.0 7–4 3.7L,3.5
ISC Event type se.
NOU South Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC III 29 09 53 59.2–1.2 42.65S–.03 173.58E–.04 9–10 137 0-7
NOU III 29 09 53 59.5 42.68S 173.56E 2 4.2 ¶612489291
WEL III 29 09 54 00.9 43S–4.0 173E–8.0 5–9 4.2L,4.0
ISC Event type se.
NOU South Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID smi:org.gfz-potsdam.de/geofon/nz3drx. manual. confirmed.
WEL III 30 00 25 18.5–.72 42S–4.0 174E–4.0 10–4 2.3L,1.9 ¶614543531
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC III 30 02 58 45.5–1.2 41.65S–.02 172.62E–.03 3–11 76 0-6
WEL III 30 02 58 45.9–.39 42S–2.0 173E–3.0 5 3.1L,3.0 ¶612489302
NOU III 30 02 58 46.1 41.63S 172.61E 4 3.8,3.0
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=94.5. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU South Island, New Zealand.
WEL IV 01 02 55 01.1–1.1 45S–5.0 168E–7.0 68–9 2.8L,2.3 ¶614543713
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 01 10 15 10.6–.59 45S–4.0 168E–5.0 37–5 3.7L,3.5 ¶614543740
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC IV 02 12 25 29.0–1.2 42.76S–.03 172.83E–.03 13–11 81 0-6
NOU IV 02 12 25 29.0 42.86S 172.96E 16 3.8 ¶612489352
WEL IV 02 12 25 29.3–.33 43S–3.0 173E–3.0 12 3.3L,3.2
ISC Event type se.
NOU South Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 02 22 49 27.1–1.1 41S–6.0 172E–6.0 92–8 1.8,1.8 ¶614543903
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC IV 03 14 58 00.9–.98 42.19S–.02 173.77E–.03 17–6 4.1b,3.5s 189 0-145
IDC IV 03 14 57 58.1–1.2 41.98S 173.83E 0 3.9,3.9b ¶610476574
WEL IV 03 14 58 00 42.18S 173.71E 6 4.3W,4.3L
NOU IV 03 14 58 00.7 42.32S 173.87E 14 4.7,4.3L
NEIC IV 03 14 58 00.7–.91 42.17S–.03 173.70E–.05 15–3 4.0b,4.3L
ISC Event type se.
WEL Moment Tensor Solution. s6 Moment tensor: Scale 10^{15}Nm; M_{rr}0.86 $M_{\theta\theta}$0.41 $M_{\phi\phi}$-1.27 $M_{r\theta}$1.35 $M_{r\phi}$-2.84 $M_{\theta\phi}$-0.82 NP1:ϕ_s176.00000°,δ67.00000°,λ21.00000°. NP2:ϕ_s77.00000°,δ70.00000°,λ155.00000°. Principal axes: T -340.3200,Plg31.0000°,Azm36.0000°; N 348.1200,Plg59.0000°,Azm220.0000°; P -7.8000,Plg2.0000°,Azm127.0000° $M_0$3.44000×10^{15}
NOU South Island, New Zealand.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL IV 04 07 00 23.0–.46 44S–2.0 172E–2.0 5–3 3.6L,3.5 ¶614544000
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 06 03 44 40.9–.83 41S–5.0 173E–4.0 82–6 2.4,2.4 ¶614544094
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 06 04 54 36.3 42S–3.0 174E–4.0 15–6 2.8L,2.5 ¶614544097
WEL Event type se. smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID smi:org.gfz-potsdam.de/geofon/nz3drx. manual. confirmed.
WEL IV 06 08 56 02.1–.37 42S–2.0 173E–3.0 5 3.2L,3.0 ¶614544106
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 06 09 38 52.5–.40 43S–3.0 173E–3.0 5 2.9,2.9 ¶614544110
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 06 10 33 51.1–.55 42S–3.0 174E–3.0 3–3 2.8L,2.5 ¶614544113
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 06 15 59 29.4–.47 42S–3.0 174E–3.0 5 2.5L,2.0 ¶614544131
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 07 03 47 28.1–.38 43S–3.0 172E–3.0 5 2.6L,2.3 ¶614544148
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC IV 07 07 23 22.9–.69 42.01S–.02 173.99E–.03 18–3 4.6b,3.8s 226 0-153
NEIC IV 07 07 23 22.9–2.3 42.02S–.04 173.96E–.04 16–3 4.5b,4.5 ¶610518298
IDC IV 07 07 23 22.4–4.6 41.99S 173.92E 18–27 4.3,4.3b
WEL IV 07 07 23 23.8–.61 42S–3.0 174E–4.0 10–5 4.8L,4.6
NOU IV 07 07 23 23.4 42.16S 174.10E 18 5.0,4.6
NEIC IV 07 07 23 23 42.04S 173.96E 18 5.0,4.6
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=5.4km s-min=3.9km az=155.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-3.93 $M_{\theta\theta}$4.03 $M_{\phi\phi}$-0.10 $M_{r\theta}$2.37 $M_{\theta\phi}$-3.78 $M_{r\phi}$2.54 NP1:ϕ_s268.66000°,δ60.24000°,λ-135.06000°. NP2:ϕ_s152.31000°,δ52.18000°,λ-38.93000°. Principal axes: T 6.3375,Plg5.0000°,Azm29.0000°

; N 0.3110,Plg38.0000°,Azm295.0000°; P -6.6485,Plg52.0000°,Azm125.0000°
$M_0$6.50000×10^{15}
IDC Error ellipse: s-maj=22.3km s-min=21.3km az=109.0.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=122.4.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU Off E. Coast of S. Island, N.Z.
NEIC Event type se.
WEL IV 07 07 33 29.1–.61 42S–4.0 174E–4.0 10–7 3.1L,2.5 ¶612489399
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC IV 07 07 34 16.7–1.2 42.01S–.03 173.91E–.03 12–10 73 0-4
NOU IV 07 07 33 59.3 43.61S 172.70E 169 4.1 **¶614544158**
WEL IV 07 07 34 17.4–.31 42S–2.0 174E–3.0 13–2 3.1L,2.8
ISC Event type se.
NOU South Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC IV 07 08 17 05.3–1.1 42.04S–.03 173.95E–.03 14–9 80 0-4
NOU IV 07 08 17 03.0 42.73S 173.27E 75 4.0 **¶612489400**
WEL IV 07 08 17 05.9–.42 42S–3.0 174E–3.0 10–3 3.1L,2.9
ISC Event type se.
NOU South Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 07 14 30 32.9–.32 42S–2.0 174E–2.0 11–2 2.9L,2.7 ¶614544178
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 08 04 57 35.4–.42 42S–3.0 174E–4.0 16–2 2.9L,2.6 ¶614544205
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 08 22 22 56.4–.41 42S–3.0 173E–3.0 5 2.4L,2.1 ¶614544264
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 09 01 39 45.7–.38 42S–2.0 174E–3.0 5 2.2L,2.1 ¶614544275
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 09 03 11 36.3–.52 42S–4.0 174E–4.0 5 2.1L,1.5 ¶614544282
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 09 11 30 39.3–.74 44S–5.0 168E–4.0 5 2.7L,2.7 ¶614544294
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 09 11 54 00.7–.36 42S–2.0 174E–3.0 12 2.5L,2.2 ¶614544295
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 09 15 21 40.3–.41 42S–3.0 174E–3.0 5 2.1L,2.0 ¶614544304
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 09 15 32 54.4–.63 42S–3.0 174E–6.0 7–6 2.3L,2.0 ¶614544305
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC IV 09 15 37 31.3–.89 42.99S–.03 172.94E–.03 11–7 55 0-5
NOU IV 09 15 37 30.6 43.09S 173.01E 0 3.5 **¶612489421**
WEL IV 09 15 37 31.3–.48 43S–3.0 173E–3.0 8–4 2.9L,2.8
ISC Event type se.
NOU Off E. Coast of S. Island, N.Z.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 09 16 10 02.5–1.5 41S–9.0 173E–10 140–9 1.4,1.4 ¶614544306
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 09 16 42 03.7–.35 42S–2.0 174E–3.0 5 2.9L,2.7 ¶614544310
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 09 18 19 03.2–.41 42S–2.0 173E–3.0 5 2.1L,1.8 ¶614544314
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 09 21 27 24.7–.41 43S–3.0 173E–3.0 5 2.3L,2.0 ¶614544321
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 09 23 12 19.8–.44 43S–2.0 173E–4.0 5–4 3.0L,2.9 ¶614544328
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 10 02 39 29.7–.49 43S–4.0 173E–4.0 5 2.3L,2.1 ¶614544332
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 10 10 20 25.2–.41 42S–3.0 173E–3.0 5 2.5L,2.3 ¶614544345
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 10 14 24 28.3–.40 42S–2.0 174E–4.0 5 2.4L,2.3 ¶614544352
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 10 15 21 03.1–.41 42S–2.0 173E–3.0 5 2.2L,1.9 ¶614544354
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 10 16 38 29.1–.38 42S–2.0 173E–3.0 5 2.3L,2.0 ¶614544357
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 10 18 00 33.8–.44 42S–2.0 174E–4.0 5 2.4L,2.3 ¶614544360
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 10 21 42 37.6–.91 45S–4.0 167E–5.0 87–7 2.9L,2.6 ¶614544368
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 11 00 15 15.0–.34 42S–2.0 174E–2.0 5–3 3.3L,3.0 ¶614544374
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 11 04 14 35.8–.59 42S–3.0 174E–5.0 5 2.3L,1.9 ¶614544385
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 11 06 23 50.7–.36 42S–2.0 173E–2.0 5 2.5L,2.2 ¶614544387
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 11 06 37 15.7–.79 45S–4.0 168E–6.0 55–7 2.9L,2.5 ¶614544388
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 11 10 55 12.2–.39 42S–3.0 173E–3.0 5 2.4L,2.3 ¶614544398
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 11 10 56 26.0–.41 42S–2.0 173E–3.0 5 2.3L,2.2 ¶614544399
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 11 10 59 58.5–.38 42S–2.0 173E–3.0 5 2.4L,2.3 ¶614544400
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 11 13 52 39.2–.37 42S–2.0 174E–3.0 5 3.0L,2.8 ¶614544411
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC IV 11 16 08 15.0–1.3 42.54S–.03 173.98E–.03 2–10 134 0-150
NOU IV 11 16 08 15.9 42.61S 173.98E 0 4.4 **¶610652481**
IDC IV 11 16 08 15.5–1.9 41.67S 174.36E 0 3.3,3.3b
WEL IV 11 16 08 18.1–.40 42S–2.0 174E–3.0 5 4.3L,4.0
ISC Event type se.
NOU South Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 11 16 15 25.6–.62 42S–4.0 174E–5.0 5–3 3.2L,3.0 ¶614544416
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 11 16 28 03.4–.78 42S–3.0 174E–5.0 5 2.5L,2.3 ¶614544417
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 11 16 30 37.6–.41 43S–2.0 174E–3.0 5 2.9L,2.7 ¶614544418
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC IV 11 16 44 51.0–1.7 42.54S–.04 173.90E–.05 1–13 73 0-6
NOU IV 11 16 44 51.5 42.54S 173.85E 3 3.7 **¶612489432**
WEL IV 11 16 44 53.6–.53 42S–3.0 174E–3.0 5 3.6L,3.3
ISC Event type se.
NOU South Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 11 18 45 56.5–.41 42S–2.0 173E–6.0 12–6 2.6L,2.4 ¶614544421
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 11 20 17 31.7–.40 42S–2.0 173E–4.0 5 2.4L,2.1 ¶614544427
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 11 22 35 03.6–.89 41S–7.0 173E–6.0 135–5 2.7,2.7 ¶614544429
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 11 22 51 11.4–.44 42S–3.0 174E–3.0 5 2.9L,2.6 ¶614544430
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 11 22 51 28.1–.49 42S–3.0 174E–3.0 5 2.7L,2.5 ¶614544433
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 11 23 00 17.4–.86 44S–4.0 168E–5.0 5 3.1L,2.9 ¶614544435
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC IV 12 01 30 20.3–1.4 45.09S–.04 167.44E–.05 16–10 40 0-6
NOU IV 12 01 30 14.0 45.10S 167.15E 184 3.8 **¶612489439**
WEL IV 12 01 30 21.9–.65 45S–4.0 167E–5.0 32–5 3.7L,3.6
ISC Event type se.
NOU South Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC IV 12 06 16 39.0–.96 42.36S–.03 173.13E–.03 15 52 0-6
WEL IV 12 06 16 39.5 42S–4.0 173E–7.0 23–10 5.0b,4.3 **¶612489442**
NOU IV 12 06 16 39.2 42.42S 173.07E 3 3.6,4.3
ISC Event type ke.
WEL Error ellipse: s-maj=0.0km s-min=0.0km az=80.1. smi:org.gfz-potsdam.de/geofon/NonLinLoc.
earthModelID smi:org.gfz-potsdam.de/geofon/nz3drx. automatic.
NOU South Island, New Zealand.
WEL IV 12 15 15 26.4 43S–2.0 173E–3.0 12–6 2.4L ¶614544460
WEL Event type se. smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID
smi:org.gfz-potsdam.de/geofon/nz3drx. manual. confirmed.
WEL IV 12 17 33 57.3–.65 42S–4.0 174E–5.0 5–3 3.0L,2.6 ¶614544461
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 13 03 00 53.4–.27 43S–2.0 173E–3.0 10–3 3.2L,3.0 ¶614544472
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 13 04 23 25.3–.43 42S–3.0 173E–3.0 5–2 3.1L,3.0 ¶614544474
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC IV 13 04 43 18.3–1.3 42.63S–.03 173.23E–.04 9–12 41 0-4
NOU IV 13 04 43 17.9 42.76S 173.30E 0 3.7 **¶612489452**
WEL IV 13 04 43 19.0–.34 43S–3.0 173E–4.0 16–4 3.2L,3.0
ISC Event type se.
NOU South Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 13 13 19 40.5–.28 43S–2.0 173E–3.0 14–3 3.9L,3.7 ¶614544494
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC IV 13 21 32 39.1–1.4 41.15S–.04 173.09E–.05 150–8 101 0-6
NOU IV 13 21 32 39.7 41.12S 173.07E 149 3.9 **¶612489459**
WEL IV 13 21 32 42.3–.70 41S–4.0 173E–4.0 121–5 3.4,3.4
ISC Event type se.
NOU South Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 14 01 28 59.4–.41 42S–3.0 174E–4.0 5 2.7L,2.5 ¶614544512
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 14 02 53 44.8–.50 42S–3.0 173E–4.0 9–3 2.5L,2.3 ¶614544518
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 14 06 44 47.0 42S–3.0 174E–4.0 9–5 2.7L,2.5 ¶614544521
WEL Event type se. smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID
smi:org.gfz-potsdam.de/geofon/nz3drx. manual. confirmed.
ISC IV 14 07 09 39.8–1.5 42.39S–.04 173.97E–.04 3–12 66 0-5
NOU IV 14 07 09 40.8 42.46S 173.99E 10 4.0 **¶612489465**

WEL IV 14 07 09 42.6–.65 42S–4.0 174E–6.0 12–3 3.6L,3.4
ISC Event type se.
NOU South Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 14 07 24 06.4 42S–4.0 174E–6.0 22–7 2.6L,2.2 ¶614544522
WEL Event type se. smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID
smi:org.gfz-potsdam.de/geofon/nz3drx. manual. confirmed.
WEL IV 14 08 31 54.2–.46 42S–2.0 174E–4.0 5 2.3L,1.9 ¶614544527
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 14 10 15 32.3–.67 42S–3.0 174E–3.0 5–4 2.7L,2.2 ¶614544531
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 14 12 33 41.5–.43 42S–3.0 174E–4.0 10–4 2.9L,2.8 ¶614544536
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 14 15 00 50.2–.36 42S–2.0 174E–3.0 5 3.3L,2.7 ¶614544542
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 14 15 00 56.5–.43 42S–2.0 174E–4.0 5 3.3L,3.0 ¶614544539
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 14 15 32 03.9–.46 42S–2.0 174E–4.0 5 2.5L,2.0 ¶614544544
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 14 16 12 49.1–.36 42S–2.0 174E–3.0 5 3.0L,2.8 ¶614544545
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 14 20 46 31.5–.65 42S–4.0 174E–4.0 5 2.7L,2.4 ¶614544552
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 14 22 10 11.8–.42 42S–3.0 173E–3.0 5 2.8L,2.5 ¶614544555
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 14 22 39 11.8–.56 42S–3.0 174E–4.0 5 2.8L,2.4 ¶614544556
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 14 23 41 53.0–.44 43S–3.0 173E–3.0 5 2.8L,2.5 ¶614544557
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 15 05 45 50.6–.42 42S–3.0 174E–3.0 5 2.5L,2.0 ¶614544561
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 15 06 34 13.5–.57 42S–3.0 174E–4.0 9–5 2.5L,2.2 ¶614544563
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 15 12 00 06.0–.36 42S–2.0 174E–3.0 5 2.4L,1.9 ¶614544573
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 15 12 03 00.2–.39 43S–4.0 173E–3.0 8–5 2.7L,2.6 ¶614544574
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 15 12 34 47.8–.34 42S–2.0 174E–3.0 5 2.5L,2.1 ¶614544575
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 15 12 46 40.1–.38 42S–2.0 174E–3.0 5 2.5L,2.4 ¶614544576
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 15 13 01 58.8–.42 42S–2.0 174E–3.0 5 2.6L,2.3 ¶614544577
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 15 14 42 20.5–.34 42S–2.0 173E–3.0 5 2.7L,2.1 ¶614544580
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 15 14 57 35.8–.33 42S–2.0 173E–3.0 5 2.5L,1.9 ¶614544581
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 15 15 56 37.0–.33 42S–3.0 173E–3.0 12 2.7L,2.3 ¶614544582
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 15 16 11 40.2–.35 42S–2.0 174E–3.0 5 2.7L,2.1 ¶614544584
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 15 23 08 00.2–.37 42S–3.0 174E–3.0 5 2.4L,2.0 ¶614544595
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 15 23 21 37.4–.38 43S–2.0 173E–3.0 12 2.7L,2.1 ¶614544596
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 16 00 00 23.4–.41 42S–3.0 174E–3.0 5 2.5L,2.1 ¶614544598
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 16 00 13 07.3–.80 42S–3.0 174E–4.0 5–5 2.3L,1.9 ¶614544599
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 16 03 54 35.4–.32 42S–2.0 174E–3.0 5 2.9L,2.6 ¶614544603
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 16 05 23 06.8–.89 42S–4.0 172E–5.0 84–7 1.9,1.9 ¶614544607
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 16 09 07 56.5–.76 41S–5.0 173E–3.0 73–6 2.5L,1.9 ¶614544617
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 16 11 29 26.6–.89 41S–5.0 173E–5.0 110–6 2.7L,2.6 ¶614544619
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 16 11 42 57.3–.41 43S–3.0 173E–3.0 5 2.7L,2.5 ¶614544620
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 16 12 45 21.7–.36 43S–3.0 172E–2.0 5 2.7L,2.2 ¶614544621
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 16 13 48 13.3–.54 42S–2.0 174E–4.0 5 2.6L,2.0 ¶614544623
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 16 14 11 28.0–.38 42S–2.0 173E–3.0 5 2.6L,2.2 ¶614544625
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 16 15 01 37.2–1.2 41S–7.0 173E–7.0 114–7 1.7L,1.7 ¶614544629
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 16 15 49 21.5–.37 42S–3.0 174E–4.0 12 3.2L,2.9 ¶614544632
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 16 18 53 32.3–.43 43S–3.0 173E–3.0 5 2.5L,1.7 ¶614544639
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 16 20 23 43.6–.31 42S–2.0 174E–3.0 5 2.8L,2.4 ¶614544641
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 16 20 39 29.4–.34 42S–2.0 174E–2.0 5 3.1L,3.0 ¶614544642
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 16 20 52 36.7–.39 42S–3.0 174E–3.0 5 2.6L,2.0 ¶614544644
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 16 21 13 54.0–.30 43S–2.0 173E–3.0 12 3.0L,2.7 ¶614544647
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 16 21 47 47.4–.44 42S–3.0 174E–3.0 5 2.4L,1.7 ¶614544650
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 16 23 55 37.4–.33 42S–3.0 173E–2.0 5 2.8L,2.5 ¶614544652
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 17 00 49 55.0–.72 42S–4.0 173E–6.0 4–6 2.6L,2.4 ¶614544657
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC IV 17 03 18 53.2–1.2 41.56S–.03 173.73E–.03 46–7 78 0-5
NOU IV 17 03 18 51.9 41.53S 173.70E 11 3.4 ¶612489490
WEL IV 17 03 18 52.1–.33 41S–3.0 174E–2.0 37–4 3.2L,3.0
ISC Event type se.
NOU South Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 17 05 32 29.6–.51 42S–2.0 174E–3.0 7–4 3.0L,2.8 ¶614544664
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 17 07 46 23.4–.29 42S–2.0 174E–3.0 9–2 2.7L,2.5 ¶614544673
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 17 08 46 36.0–1.2 42S–3.0 173E–5.0 8–9 2.3L,2.3 ¶614544677
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 17 12 01 41.3–.54 42S–3.0 173E–3.0 5–3 2.8L,2.7 ¶614544691
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 17 16 44 44.3–.57 43S–3.0 173E–6.0 10–4 2.5L,2.4 ¶614544702
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 17 17 24 39.1–.89 42S–4.0 174E–6.0 4–4 2.5L,2.3 ¶614544706
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 17 18 52 02.2–.56 42S–3.0 174E–4.0 7–5 3.4L,3.3 ¶614544710
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 17 23 35 16.0–.81 41S–4.0 172E–5.0 5 2.4L,2.2 ¶614544726
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 18 01 26 58.0–.62 42S–4.0 174E–4.0 5 2.2L,1.8 ¶614544728
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 18 03 25 07.5–.38 42S–2.0 174E–3.0 5 2.3L,2.0 ¶614544732
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 18 07 37 31.2–.37 43S–3.0 173E–3.0 5 2.9L,2.7 ¶614544737
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 18 07 39 18.7–.94 43S–5.0 174E–4.0 5 2.5L,2.2 ¶614544738
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 18 10 25 17.2–.46 42S–3.0 173E–3.0 5–2 2.7L,2.0 ¶614544748
WEL smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 18 20 52 36.6–.31 42S–2.0 174E–3.0 5 2.5L,2.2 ¶614544761
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 18 21 53 01.3–.43 42S–2.0 174E–4.0 5 2.3L,2.1 ¶614544764
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC IV 19 00 22 29.2–.90 41.09S–.03 172.74E–.03 10 68 0-5
WEL IV 19 00 22 29.3–.35 41S–3.0 173E–3.0 5 3.3L,3.1 ¶612489508
NOU IV 19 00 22 30.2 41.01S 172.63E 13 3.5,3.1
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=138.8.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU South Island, New Zealand.
WEL IV 19 01 26 05.5–.37 42S–3.0 174E–3.0 5 2.4L,2.2 ¶614544772

WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 19 04 42 51.3–.36 42S–3.0 174E–2.0 5 2.5L,2.3 ¶614544776
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 19 09 27 12.1–.37 42S–2.0 174E–3.0 5 2.5L,2.2 ¶614544782
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 19 13 45 45.2–.37 42S–3.0 173E–3.0 5 2.5L,2.3 ¶614544796
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 19 14 58 43.1–.44 42S–3.0 174E–4.0 5 2.3L,2.0 ¶614544798
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC IV 19 16 13 54.0–.87 41.65S–.02 173.17E–.02 13–6 4.3b 244 0-152
WEL IV 19 16 13 00 41.64S 173.16E 8 4.6L,4.2W **¶610653057**
IDC IV 19 16 13 51.7–.85 41.46S 173.17E 0 4.0,4.0b
NOU IV 19 16 13 54.4 41.66S 173.17E 12 4.6,4.0b
NEIC IV 19 16 13 54.3 41.62S 173.13E 13 4.6,4.0b
NEIC IV 19 16 13 54.3–1.3 41.62S–.02 173.13E–.02 12–4 4.4b,4.1
ISC Event type se.
WEL Moment Tensor Solution. s6 Moment tensor: Scale 10^{15}Nm; M_{rr}0.19 $M_{\theta\theta}$0.93 $M_{\phi\phi}$-1.12 $M_{r\theta}$1.79 $M_{\theta\phi}$1.17 $M_{\phi r}$-0.61 NP1:ϕ_s19.00000°,δ40.00000°,λ175.00000°. NP2:ϕ_s112.00000°,δ87.00000°,λ51.00000°. Principal axes: T -243.1900,Plg35.0000°,Azm349.0000°; N 247.2400,Plg40.0000°,Azm114.0000°; P -4.0500,Plg30.0000°,Azm234.0000° $M_0$2.45000×10^{15}
NOU South Island, New Zealand.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}0.22 $M_{\theta\theta}$0.72 $M_{\phi\phi}$-0.94 $M_{r\theta}$1.16 $M_{\theta\phi}$0.89 $M_{\phi r}$-0.34 NP1:ϕ_s18.33000°,δ45.48000°,λ172.09000°. NP2:ϕ_s113.89000°,δ84.37000°,λ44.80000°. Principal axes: T 1.7491,Plg34.0000°,Azm346.0000°; N -0.0526,Plg45.0000°,Azm120.0000°; P -1.6965,Plg25.0000°,Azm238.0000° $M_0$1.72000×10^{15}
WEL IV 19 16 19 23.1–.34 42S–2.0 174E–3.0 5 2.5L,2.3 ¶614544801
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 19 16 34 41.0–.30 42S–2.0 173E–2.0 5 2.8L,2.5 ¶614544802
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 19 16 42 51.8–.39 42S–3.0 173E–3.0 5 2.0L,1.7 ¶614544803
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC IV 19 16 51 46.0–.99 41.63S–.03 173.17E–.02 10–8 143 0-151
IDC IV 19 16 51 39.2–9.0 40.13S 174.64E 0 3.2,3.2b **¶610653060**
WEL IV 19 16 51 46.2–.24 42S–2.0 173E–2.0 5 4.1L,4.1
NOU IV 19 16 51 46.3 41.64S 173.13E 8 4.1,4.1
ISC Event type se.
IDC Error ellipse: s-maj=556.7km s-min=53.7km az=31.0.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=155.6.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU South Island, New Zealand.
WEL IV 19 17 01 47.6–.27 42S–2.0 173E–2.0 5 3.0L,2.9 ¶614544804
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 19 17 11 06.7–.27 42S–2.0 173E–2.0 5 3.3L,3.1 ¶614544805
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC IV 19 17 34 10.9–.94 41.64S–.02 173.13E–.02 12–9 115 0-6
WEL IV 19 17 34 10.8–.27 42S–2.0 173E–2.0 5 3.6L,3.6 **¶612489512**
NOU IV 19 17 34 10.9 41.64S 173.06E 3 3.9,3.6
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=177.9.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU South Island, New Zealand.
WEL IV 19 17 46 05.7–.29 42S–2.0 173E–2.0 5 2.9L,2.9 ¶614544808
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 19 17 48 20.4–.35 42S–3.0 173E–2.0 5 2.4L,2.0 ¶614544809
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 19 18 32 03.8–.38 42S–4.0 173E–2.0 5 2.3L,1.9 ¶614544814
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 19 18 35 01.7–.38 42S–3.0 173E–2.0 5 2.5L,2.2 ¶614544815
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 19 18 41 36.1–.33 42S–2.0 173E–2.0 5 2.6L,2.4 ¶614544816
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 19 20 10 27.1–.33 42S–2.0 173E–2.0 5 2.6L,2.4 ¶614544819
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 19 20 10 42.2–.41 42S–3.0 173E–2.0 5 2.2L,2.1 ¶614544822
WEL smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 19 20 43 28.7–.35 43S–3.0 173E–3.0 12 2.6L,2.4 ¶614544825
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 19 21 33 53.0–.38 42S–2.0 174E–2.0 5 2.4L,2.2 ¶614544828
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 20 02 21 42.1–.46 42S–2.0 174E–3.0 5–3 2.5L,2.3 ¶614544834
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 20 04 43 53.2–.41 42S–3.0 173E–4.0 5 2.7L,2.4 ¶614544838
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 20 05 12 37.1–1.1 41S–7.0 173E–8.0 114–7 1.8,1.8 ¶614544839
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 20 09 52 03.1–.42 43S–2.0 173E–4.0 5 2.4L,2.2 ¶614544849
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 20 19 12 04.8–.48 42S–4.0 174E–4.0 12 3.4L,3.2 ¶614544873
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 20 19 35 37.6–.39 42S–3.0 174E–4.0 5 2.4L,2.0 ¶614544874
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 20 19 43 26.3–.28 43S–3.0 173E–3.0 12 3.3L,3.2 ¶614544875
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 20 20 00 42.3–.36 42S–2.0 174E–3.0 5 3.0L,2.9 ¶614544877
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 20 23 01 38.6–.40 42S–3.0 172E–3.0 5 2.8L,2.6 ¶614544883
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 21 03 26 20.4–.32 43S–2.0 174E–3.0 12 2.9L,2.8 ¶614544889
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC IV 21 06 06 53.3–1.0 42.41S–.03 173.57E–.04 18–4 62 0-6
NOU IV 21 06 06 52.7 42.49S 173.63E 12 3.3 **¶612489525**
WEL IV 21 06 06 53.2–.29 42S–2.0 174E–3.0 13–2 3.2L,3.0
ISC Event type se.
NOU South Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 21 10 36 18.9–.65 45S–4.0 167E–4.0 12 3.8L,3.5 ¶614544903
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 21 13 29 29.2–.33 43S–2.0 173E–3.0 8–3 2.4L,2.2 ¶614544906
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 21 14 24 24.8–.36 42S–3.0 173E–3.0 12–3 3.2L,3.0 ¶614544911
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 21 14 30 54.3–.56 42S–3.0 172E–3.0 65–6 2.6L,2.3 ¶614544912
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 21 17 10 43.9–.29 42S–2.0 174E–3.0 13–3 2.5L,2.4 ¶614544921
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 22 03 27 31.8–.53 43S–4.0 173E–5.0 10–4 2.4L,2.0 ¶614544939
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC IV 22 20 30 08.2–1.0 42.85S–.03 172.58E–.03 16–8 103 0-6
WEL IV 22 20 30 00 42.80S 172.55E 2 3.7L,3.6W **¶611400887**
NOU IV 22 20 30 08.5 42.92S 172.64E 15 4.0,3.6W
ISC Event type ke.
WEL Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}1.70 $M_{\theta\theta}$1.00 $M_{\phi\phi}$-2.69 $M_{r\theta}$0.41 $M_{\theta\phi}$-2.37 $M_{\phi r}$-0.88 NP1:ϕ_s66.00000°,δ59.00000°,λ156.00000°. NP2:ϕ_s169.00000°,δ69.00000°,λ33.00000°. Principal axes: T -39.1700,Plg38.0000°,Azm31.0000°; N 27.2900,Plg51.0000°,Azm197.0000°; P 11.8800,Plg6.0000°,Azm296.0000° $M_0$3.32000×10^{14}
NOU South Island, New Zealand.
WEL IV 23 02 53 14.3–.27 42S–3.0 174E–3.0 12 3.7,3.7 ¶614544982
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC IV 23 04 14 12.8–1.2 42.27S–.03 173.65E–.04 21–2 88 0-6
NOU IV 23 04 14 12.7 42.42S 173.80E 15 3.6 **¶612489540**
WEL IV 23 04 14 13.0–.27 42S–2.0 174E–3.0 12 3.4,3.4
ISC Event type se.
NOU South Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 23 07 30 18.9–.33 42S–3.0 173E–2.0 5 2.4L,2.2 ¶614544989
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC IV 23 08 19 41.1–1.0 42.52S–.03 173.54E–.04 18–4 138 0-7
WEL IV 23 08 19 00 42.51S 173.49E 16 3.8L,3.7W **¶611400893**
NOU IV 23 08 19 40.2 42.60S 173.65E 9 4.3,3.7W
WEL IV 23 08 19 41.8–.34 42S–4.0 173E–4.0 15–4 4.1L,4.0
ISC Event type ke.
WEL Moment Tensor Solution. s5 Moment tensor: Scale 10^{14}Nm; M_{rr}1.41 $M_{\theta\theta}$2.57 $M_{\phi\phi}$-3.98 $M_{r\theta}$2.63 $M_{\theta\phi}$-2.34 $M_{\phi r}$1.10 NP1:ϕ_s157.00000°,δ53.00000°,λ15.00000°. NP2:ϕ_s57.00000°,δ78.00000°,λ142.00000°. Principal axes: T -52.8700,Plg35.0000°,Azm10.0000°; N 48.4500,Plg50.0000°,Azm222.0000°; P 4.4200,Plg16.0000°,Azm112.0000° $M_0$5.07000×10^{14}
NOU South Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 23 08 37 52.5–.40 42S–2.0 172E–3.0 5 2.3L,2.0 ¶614544996
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 23 13 05 24.8–.42 43S–3.0 173E–3.0 12 2.4L,2.0 ¶614545008
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC IV 23 19 49 43.6–.80 41.43S–.04 173.13E–.04 114–5 164 0-152
IDC IV 23 19 49 41.6–1.1 41.45S 173.27E 91–14 3.7,3.4b **¶610649829**
NOU IV 23 19 49 43.7 41.40S 173.12E 110 4.4,3.4b
WEL IV 23 19 49 45.4–.73 41S–5.0 173E–3.0 87–6 4.2L,3.9
ISC Event type se.
NOU South Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 23 20 38 28.4–.34 42S–2.0 173E–3.0 5 2.8L,2.7 ¶614545020
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC IV 24 02 31 27.1–1.1 42.33S–.03 173.81E–.03 12–9 82 0-7
WEL IV 24 02 31 27.6–.42 42S–3.0 174E–3.0 12–3 3.4L,3.2 **¶612489554**
NOU IV 24 02 31 27.6 42.44S 173.84E 10 3.8,3.2
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=130.5.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU South Island, New Zealand.
ISC IV 24 15 28 13.1–.91 43.53S–.03 172.17E–.03 16–7 47 0-5
NOU IV 24 15 28 12.0 43.64S 172.31E 13 3.7 **¶612489561**
WEL IV 24 15 28 13.5–.56 44S–3.0 172E–2.0 5–2 3.4L,3.1
ISC Event type se.
NOU South Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC IV 24 15 43 44.5–1.7 42.42S–.04 173.76E–.04 13–14 127 0-7
NOU IV 24 15 43 44.9 42.44S 173.78E 12 4.1 **¶612489562**
WEL IV 24 15 43 46.0–.31 42S–3.0 174E–3.0 20–3 3.6L,3.4
ISC Event type se.
NOU South Island, New Zealand.

WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 24 21 48 47.6–.38 42S–3.0 173E–4.0 9–4 2.5,2.5
¶614545070
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 25 04 31 53.9–.84 41S–6.0 173E–6.0 87–6 2.8L,2.6
¶614545083
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 25 18 22 03.4–.31 42S–2.0 174E–2.0 5 2.5L,2.2
¶614545103
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 26 14 52 24.3–.55 42S–3.0 174E–4.0 5 2.2L,1.8
¶614545147
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 26 15 10 21.5–.54 42S–3.0 174E–3.0 5 2.7L,2.2
¶614545150
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC IV 26 18 23 16.4–1.2 42.68S–.03 173.03E–.04 12–11 76 0-6
WEL IV 26 18 23 16.4–.37 43S–3.0 173E–3.0 12 3.3L,3.1 ¶612489582
NOU IV 26 18 23 16.2 42.78S 173.15E 12 3.7,3.1
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=116.1.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU South Island, New Zealand.
WEL IV 27 02 36 01.4–.36 42S–2.0 174E–4.0 5 2.6L,2.3
¶614545178
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 28 05 50 14.0–.31 43S–2.0 173E–3.0 11–3 2.9L,2.8
¶614545218
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 28 07 02 55.7–.41 42S–2.0 174E–4.0 5 2.8L,2.3
¶614545222
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 28 07 08 47.3–.36 42S–2.0 174E–4.0 12–3 2.8L,2.5
¶614545223
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 28 13 08 45.1–.44 43S–3.0 173E–4.0 15–5 2.8L,2.8
¶614545230
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC IV 28 18 35 48.9–1.1 42.73S–.03 172.77E–.03 14–9 114 0-6
WEL IV 28 18 35 49.1–.29 43S–2.0 173E–2.0 12 3.7L,3.6 ¶612489601
NOU IV 28 18 35 49.3 42.86S 172.95E 22 4.1,3.6
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=119.0.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU South Island, New Zealand.
WEL IV 28 18 58 32.2–.33 42S–2.0 174E–3.0 12–2 5.3b,4.7
¶614545244
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC IV 28 19 55 01.9–.92 42.50S–.03 173.49E–.04 18–3 101 0-7
NOU IV 28 19 55 01.9 42.52S 173.42E 8 4.1 ¶612489602
WEL IV 28 19 55 02.3–.29 42S–2.0 173E–3.0 14–3 3.9L,3.7
ISC Event type se.
NOU South Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 29 06 02 34.3–.39 42S–2.0 174E–3.0 10–4 2.5,2.5
¶614545272
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 29 12 54 59.6–.35 42S–3.0 173E–3.0 5 2.6L,2.3
¶614545283
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 29 16 10 32.4 42S–6.0 174E–8.0 21–7 4.1b,3.1
¶614545288
WEL smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID
smi:org.gfz-potsdam.de/geofon/nz3drx. automatic.
WEL IV 30 14 09 29.5–.49 42S–3.0 174E–3.0 12 2.9L,2.4
¶614563268
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual.
confirmed.
WEL IV 30 16 31 12.1–1.2 41S–10 173E–7.0 158–7 2.3,2.3
¶614563265
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual.
confirmed.
WEL IV 30 23 06 49.5–.42 42S–3.0 173E–3.0 8–3 2.9L,2.5
¶614563261
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual.
confirmed.
WEL V 01 02 25 05.7–.39 42S–3.0 173E–3.0 5 2.8L,2.5
¶614545308
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL V 01 06 17 59.6–1.0 41S–7.0 173E–9.0 113–7 2.1,2.1
¶614545319
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL V 01 14 19 38.5–.33 42S–3.0 173E–4.0 33 2.8L,2.7
¶614545339
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL V 01 17 43 18.2–.46 42S–3.0 174E–3.0 5 2.0L,1.5
¶614545345
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL V 01 18 24 09.3–.42 42S–3.0 173E–3.0 5 2.4L,1.7
¶614545347
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL V 01 20 57 14.9–.34 42S–2.0 174E–3.0 7–3 2.5L,2.3
¶614545353
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL V 02 02 09 54.8–.42 43S–3.0 173E–4.0 12 2.4L,2.0
¶614545364
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL V 02 06 48 58.4–.37 43S–3.0 173E–3.0 5 2.7L,2.4
¶614545373
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL V 02 16 27 05.6–.53 42S–3.0 174E–5.0 5 2.5L,1.3
¶614545396
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL V 03 10 38 02.2–.89 42S–3.0 174E–4.0 6–7 2.2L,2.0
¶614545420
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL V 03 11 05 23.3–.76 45S–3.0 167E–4.0 52–6 3.7L,3.5
¶614545421
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL V 03 12 11 53.7–.35 42S–3.0 174E–4.0 9–3 2.8L,2.6
¶614545422
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL V 03 13 03 36.2–.45 42S–2.0 174E–4.0 7–3 2.8L,2.5
¶614545428
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL V 03 17 22 07.8–1.9 42S–26 174E–17 33–29 2.2,2.2
¶614545438
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL V 04 01 55 32.7–.33 43S–2.0 173E–3.0 5 3.0L,2.9
¶614545459
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL V 04 02 10 19.0–.48 42S–3.0 173E–3.0 5 2.1L
¶614545460
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL V 04 09 44 20.5–.40 42S–2.0 174E–3.0 5 2.5L,2.2
¶614545464
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL V 05 18 09 41.6–.34 42S–3.0 174E–4.0 14–4 2.4L,2.0
¶614545512
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC V 06 01 24 14.6–1.4 42.14S–.03 173.96E–.03 2–13 114 0-7
WEL V 06 01 24 16.0–.28 42S–2.0 174E–3.0 10–2 3.9L,3.7 ¶612489656
NOU V 06 01 24 16.1 42.27S 174.04E 14 4.1,3.7
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=120.8.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU Off E. Coast of S. Island, N.Z.
WEL V 06 07 10 06.2–.45 42S–3.0 174E–4.0 9–4 2.3L,2.1
¶614545528
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC V 06 07 53 50.7–.70 41.49S–.03 173.94E–.03 55–5 4.4b,3.8s 183 0-151
IDC V 06 07 53 44.5–1.2 41.11S 173.70E 0 3.9L,3.8 ¶610613156
NOU V 06 07 53 49.7 41.54S 174.08E 72 4.9,3.8
NEIC V 06 07 53 51.0–2.1 41.43S–.04 173.89E–.03 50–4 4.4b,4.2
NEIC V 06 07 53 50.6 41.46S 173.90E 54 4.4b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=31.0km s-min=24.1km az=133.0.
NOU Cook Strait, New Zealand.
NEIC Event type se. Error ellipse: s-maj=6.0km s-min=2.9km az=181.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}0.46 $M_{\theta\theta}$1.84 $M_{\phi\phi}$-2.31 $M_{r\theta}$0.84 $M_{\theta\phi}$0.54
$M_{\phi r}$0.78 NP1:ϕ_s34.84000°,δ81.01000°,λ150.62000°. NP2:ϕ_s129.87000°,δ61.01000°
,λ10.29000°. Principal axes: T 2.3896,Plg27.0000°,Azm349.0000°; N 0.1493,Plg59.0000°
,Azm199.0000°; P -2.5389,Plg13.0000°,Azm86.0000° $M_0$2.47000×10^{15}
NEIC Event type se.
WEL V 06 14 54 51.9–.40 42S–3.0 174E–4.0 23–3 2.5L,2.3
¶614545539
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL V 07 00 03 43.1–.33 42S–2.0 174E–3.0 12 2.6L,2.5
¶614545553
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL V 07 06 59 25.7–.36 42S–2.0 173E–3.0 5 2.5L,2.4
¶614545574
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL V 07 07 22 36.2–.88 42S–5.0 174E–6.0 5 2.3L,2.1
¶614545575
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC V 07 20 51 56.4–1.4 42.64S–.04 173.13E–.04 58–10 93 0-8
WEL V 07 20 51 56.6–.26 43S–4.0 173E–4.0 39–6 3.7L,3.4 ¶612489676
NOU V 07 20 51 56.8 42.65S 173.10E 30 3.8,3.4
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=127.0.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU South Island, New Zealand.
WEL V 07 22 05 00.4–.48 42S–3.0 174E–3.0 5 2.1L,1.6
¶614545607
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL V 07 22 05 45.7–.50 42S–3.0 174E–4.0 5 2.1L,1.8
¶614545610
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL V 08 08 12 01.8–.27 42S–2.0 174E–3.0 12–2 2.9L,2.7
¶614545625
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL V 08 10 28 25.1–.29 42S–2.0 174E–3.0 13–2 2.5L,2.2
¶614545632
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL V 08 13 41 21.8–.62 42S–3.0 174E–5.0 8–3 2.5L,2.2
¶614545635
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL V 08 13 54 39.2–.45 42S–4.0 174E–5.0 13–3 2.5L,2.0
¶614545636
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL V 08 16 30 47.7–.75 42S–5.0 174E–7.0 6–5 2.6L,2.3
¶614545638
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL V 09 00 52 17.8–.54 42S–4.0 173E–3.0 7–4 3.2L,3.0
¶614545649
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL V 09 02 16 12.2–.69 42S–3.0 172E–4.0 84–6 2.6L,2.4
¶614545652
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL V 09 04 15 02.2–.43 42S–3.0 174E–4.0 12–4 2.4L,2.0
¶614545656
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL V 09 17 11 13.8–.76 42S–4.0 174E–6.0 12–3 2.5L,2.2
¶614545683
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL V 09 19 35 37.9–.36 42S–2.0 174E–4.0 12–3 2.5L,2.3

¶614545690
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL V 10 03 10 11.4–.55 42S–3.0 174E–4.0 5 2.3L,1.8
¶614545707

WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC V 10 10 14 53.3–.90 42.69S–.03 172.91E–.03 15 67 0-5
NOU V 10 10 14 52.9 42.81S 173.00E 13 3.5 ¶612489680
WEL V 10 10 14 53.8–.35 43S–2.0 173E–3.0 5 3.4L,3.0
ISC Event type se.
NOU South Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL V 10 15 29 06.3–.39 42S–3.0 174E–3.0 5 2.4L,1.9
¶614545722

WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL V 10 15 29 32.6–.48 42S–3.0 174E–4.0 5 2.2L,1.9
¶614545729

WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL V 11 09 28 39.6–.55 42S–3.0 174E–4.0 5 2.2L,1.6
¶614545761

WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL V 11 10 22 38.4–.68 42S–4.0 174E–6.0 5 2.5L,2.2
¶614545763

WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL V 11 10 25 29.3–.39 42S–3.0 173E–3.0 5 2.7L,2.4
¶614545764

WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL V 12 04 56 36.0–.31 42S–2.0 173E–4.0 15–3 3.0L,2.8
¶614545789

WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL V 12 22 00 22.2–.88 42S–5.0 174E–8.0 5 2.9L,2.7
¶614545808

WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL V 13 01 28 31.1–.38 42S–3.0 173E–4.0 15–4 2.8L,2.6
¶614545816

WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL V 13 02 46 12.8–.32 43S–3.0 173E–3.0 11–3 2.8L,2.4
¶614545821

WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL V 13 10 30 18.9–.28 42S–2.0 174E–3.0 9–3 3.3L,3.1
¶614545831

WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL V 13 13 49 07.4–.47 42S–3.0 172E–3.0 5 2.6L,2.4
¶614545837

WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL V 13 13 49 50.8–.31 44S–2.0 170E–2.0 5 3.0L,2.8
¶614545838

WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL V 13 13 50 33.6–.40 42S–2.0 172E–3.0 5 2.7L,2.5
¶614545839

WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC V 13 18 03 46.5–.87 42.28S–.03 173.69E–.03 10 94 0-6
WEL V 13 18 03 46.7–.35 42S–3.0 174E–3.0 14–3 3.6L,3.4 ¶612489707
NOU V 13 18 03 48.1 42.37S 173.59E 18 3.9,3.4
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=126.6. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU South Island, New Zealand.
WEL V 13 22 50 47.4–.58 42S–3.0 174E–4.0 7–3 2.3L,2.2
¶614545856

WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL V 14 20 56 15.3–.67 42S–4.0 173E–4.0 56–7 3.2L,3.2
¶614545908

WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL V 15 14 32 33.2–.48 41S–3.0 172E–3.0 5 2.4L,2.2
¶614545935

WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL V 15 19 07 28.9–.45 42S–4.0 173E–3.0 5 2.4L,2.1
¶614545946

WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL V 16 08 48 02.1–.85 45S–5.0 168E–6.0 57–7 3.5L,3.3
¶614545970

WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC V 16 15 46 13.6–.88 42.74S–.03 172.78E–.03 15 72 0-6
WEL V 16 15 46 13.9–.32 43S–3.0 173E–3.0 9–3 3.4L,3.2 ¶612489728
NOU V 16 15 46 14.4 42.80S 172.90E 22 3.8,3.2
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=141.7. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU South Island, New Zealand.
WEL V 17 06 56 19.0–.61 42S–3.0 174E–5.0 8–3 2.6L,2.3
¶614546004

WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL V 17 07 46 50.4–.37 42S–2.0 174E–4.0 11–3 2.8L,2.6
¶614546005

WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL V 17 15 52 04.8–.41 42S–2.0 174E–3.0 6–3 2.6L,2.3
¶614546016

WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL V 17 22 53 58.8–.44 42S–2.0 174E–4.0 10–3 2.8L,2.5
¶614546030

WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC V 18 14 57 18.9–.91 43.08S–.03 170.97E–.03 14–6 92 0-152
NOU V 18 14 57 18.9 43.08S 170.97E 5 4.5 ¶610690602
IDC V 18 14 57 20.1–1.4 43.24S 170.59E 0 3.5,3.5b
ISC Event type ke.
NOU South Island, New Zealand.
IDC Error ellipse: s-maj=80.7km s-min=8.7km az=50.0.
WEL V 18 16 08 48.9–.37 43S–3.0 173E–3.0 10–4 3.2L,3.1
¶614546057

WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL V 19 13 12 50.9–.48 42S–2.0 172E–4.0 5 3.1L,2.8
¶614546095

WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC V 19 16 37 19.8–1.1 42.87S–.03 173.29E–.04 14–7 3.0b 101 0-150
NOU V 19 16 37 17.9 43.06S 173.51E 1 4.2 ¶610690686
IDC V 19 16 37 18.3–1.2 42.70S 173.16E 0 3.4L,3.3
WEL V 19 16 37 20.6–.64 43S–5.0 173E–5.0 5–4 4.0L,3.7
ISC Event type se.
NOU Off E. Coast of S. Island, N.Z.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL V 21 15 31 30.4–.54 42S–2.0 174E–4.0 5 2.5,2.5
¶614546180

WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL V 21 22 51 21.2–.65 42S–6.0 173E–7.0 58–10 2.5L,2.3
¶614546194

WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC V 21 23 17 38.7–1.4 42.70S–.03 173.00E–.03 8–12 104 0-6
WEL V 21 23 17 39.8–.33 43S–3.0 173E–3.0 14–4 3.7L,3.5 ¶612489781
NOU V 21 23 17 39.2 42.75S 173.03E 11 3.9,3.5
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=128.0. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU South Island, New Zealand.
ISC V 22 02 10 03.7–.86 42.27S–.02 173.77E–.03 17–5 4.2b,3.5s 218 0-153
IDC V 22 02 10 01.5–.98 42.07S 173.63E 0 4.1L,3.9 ¶610646109
NEIC V 22 02 10 03.9–1.5 42.24S–.03 173.75E–.03 18–2 4.3,4.2b
NOU V 22 02 10 03.4 42.37S 173.87E 10 4.8,4.2b
NEIC V 22 02 10 04.1 42.25S 173.73E 19 4.8,4.2b
ISC Event type se.
IDC Error ellipse: s-maj=29.6km s-min=23.0km az=130.0.
NEIC Event type se. Error ellipse: s-maj=4.5km s-min=3.0km az=173.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}1.33 $M_{\theta\theta}$2.91 $M_{\phi\phi}$-4.24 $M_{r\theta}$1.54 $M_{r\phi}$-0.55 $M_{\theta\phi}$0.49 NP1:ϕ_s44.80000°,δ73.38000°,λ152.44000°. NP2:ϕ_s143.29000°,δ63.69000° ,λ18.61000°. Principal axes: T 3.8566,Plg31.0000°,Azm2.0000°; N 0.4927,Plg58.0000° ,Azm196.0000°; P -4.3493,Plg6.0000°,Azm96.0000° $M_0$4.13000×10^{15}
NOU South Island, New Zealand.
NEIC Event type se.
WEL V 22 04 20 48.0–.61 45S–3.0 168E–4.0 5 3.8L,3.6
¶614546204

WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL V 22 18 20 07.0–.47 43S–2.0 172E–2.0 5–2 3.7L,3.4
¶614546228

WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL V 23 03 10 29.4–.81 45S–5.0 168E–5.0 56–7 4.1L,3.9
¶614546252

WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL V 23 11 59 37.1–.34 42S–3.0 174E–4.0 8–2 2.7L,2.5
¶614546265

WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL V 23 12 44 31.9–.71 45S–4.0 168E–5.0 56–6 3.3L,3.0
¶614546267

WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL V 23 13 15 15.2–.33 42S–2.0 174E–3.0 15–2 2.7L,2.4
¶614546269

WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL V 23 21 31 19.6–.41 42S–2.0 173E–3.0 6–3 2.5L,2.4
¶614546286

WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL V 24 21 21 23.6–.40 42S–3.0 174E–3.0 6–3 2.4L,2.2
¶610667732

WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL V 24 23 18 46.0–.31 42S–2.0 174E–3.0 11–3 3.8L,3.7
¶614546341

WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL V 25 11 52 23.1–.46 43S–4.0 173E–3.0 12 2.3L,2.1
¶614546369

WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC V 25 16 44 04.1–.89 42.06S–.03 173.76E–.03 10 68 0-5
WEL V 25 16 44 04.8–.33 42S–3.0 174E–3.0 5 2.8L,2.7 ¶612489815
NOU V 25 16 44 07.0 42.15S 173.32E 3 3.5,2.7
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=129.5. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU South Island, New Zealand.
WEL V 26 05 14 45.4–.41 42S–3.0 174E–4.0 12–3 2.4L,2.3
¶614546452

WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL V 26 09 09 53.3–1.0 45S–4.0 168E–5.0 97–8 2.7,2.7
¶614546500

WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL V 26 14 22 51.9–.36 42S–2.0 173E–3.0 13–3 2.4L,1.7
¶614546569

WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL V 27 06 03 17.7–.50 45S–3.0 168E–3.0 5 2.6L,2.3
¶614546634

WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC V 29 12 56 17.4–.96 42.58S–.03 173.46E–.04 13–7 98 0-6
NOU V 29 12 56 16.6 42.64S 173.42E 0 3.7 ¶612489878
WEL V 29 12 56 17.9–.35 43S–3.0 173E–4.0 16–3 3.4L,3.2
ISC Event type se.
NOU South Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL V 29 22 20 18.6–.33 42S–3.0 174E–3.0 14–3 2.9L,2.7
¶614546840

WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC V 30 22 46 42.2–1.2 42.95S–.04 173.36E–.04 9–10 87 0-6
NOU V 30 22 46 41.8 42.97S 173.46E 8 3.7 ¶612489897
WEL V 30 22 46 43.1–.44 43S–3.0 173E–4.0 5–2 3.6L,3.4
ISC Event type se.
NOU South Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL V 31 18 39 44.8–.42 44S–3.0 169E–3.0 3–3 3.5L,3.2
¶614563315

WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL VI 01 03 46 52.8–.38 42S–2.0 174E–3.0 9–3 2.4L,2.2
¶614546978

WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL VI 01 09 17 47.4–.35 45S–2.0 169E–3.0 5 3.0L,3.0
¶614546993
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL VI 01 10 20 37.0–.33 42S–2.0 174E–3.0 5–2 2.5L,2.2
¶614546997
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL VI 01 15 04 50.4–.66 42S–2.0 174E–4.0 8–5 1.9L,1.2
¶614547029
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL VI 01 23 58 25.1–.90 45S–4.0 168E–5.0 101–6 3.0,3.0
¶614547065
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL VI 02 01 44 45.4–.53 42S–3.0 173E–4.0 5 2.3L,2.2
¶614547067
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL VI 02 03 05 04.9–.44 45S–3.0 169E–3.0 5 2.5L,2.2
¶614547074
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL VI 02 13 14 33.6–.43 42S–3.0 173E–3.0 5 3.8L,3.5
¶614547090
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL VI 02 15 40 09.3–.92 42S–4.0 174E–4.0 5–3 1.9L,1.2
¶614547098
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC VI 05 17 29 53.2–1.1 42.29S–.04 174.00E–.04 21 89 0-5
NOU VI 05 17 29 52.9 42.35S 173.98E 9 3.6 **¶612489949**
WEL VI 05 17 29 53.8–.53 42S–3.0 174E–4.0 5 3.4L,3.2
ISC Event type se.
NOU South Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC VI 06 06 42 50.6–.92 42.59S–.03 173.36E–.04 17–6 182 0-150
WEL VI 06 06 42 00 42.58S 173.33E 12 3.9L,3.8W **¶610791325**
IDC VI 06 06 42 47.8–1.8 42.44S 173.31E 0 4.1L,3.9
NOU VI 06 06 42 49.5 42.67S 173.50E 9 4.3,3.9
WEL VI 06 06 42 51.1–.28 43S–2.0 173E–3.0 8–3 4.2L,4.0
ISC Event type ke.
WEL Moment Tensor Solution. s5 Moment tensor: Scale 10^{14}Nm; M_{rr}4.92 $M_{\theta\theta}$-1.47 $M_{\phi\phi}$-3.46 $M_{r\theta}$3.33 $M_{\theta\phi}$-3.62 $M_{\phi r}$0.65 NP1:ϕ_s194.00000°,δ37.00000°,λ52.00000°. NP2:ϕ_s59.00000°,δ61.00000°,λ115.00000°. Principal axes: T -67.9300,Plg64.0000°,Azm12.0000°; N 3.7100,Plg22.0000°,Azm226.0000°; P 64.2200,Plg13.0000°,Azm131.0000° $M_0$6.61000×10^{14}
NOU South Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC VI 06 15 15 06.4–1.3 41.90S–.03 173.43E–.03 3–12 59 0-4
NOU VI 06 15 15 08.3 42.15S 172.18E 101 3.7 **¶612489961**
WEL VI 06 15 15 09.2–.34 42S–2.0 173E–3.0 5 2.9L,2.7
ISC Event type se.
NOU South Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC VI 06 22 06 18.3–1.8 42.20S–.03 173.74E–.04 37–1 122 0-7
WEL VI 06 22 06 18.1–.26 42S–2.0 174E–3.0 33–4 3.9L,3.6 **¶612489966**
NOU VI 06 22 06 18.0 42.28S 173.89E 35 4.1,3.6
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=122.0.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU South Island, New Zealand.
WEL VI 07 22 06 22.2–.34 42S–2.0 174E–3.0 5 3.5L,3.3
¶614547379
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL VI 08 02 52 56.9–.46 44S–2.0 173E–2.0 5–1 2.7L,2.6
¶614547384
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC VI 08 17 07 00.3–.89 45.06S–.04 167.54E–.05 78–8 82 0-18
WEL VI 08 17 06 58.9–.84 45S–4.0 167E–4.0 71–8 4.3L,4.1 **¶612489981**
NOU VI 08 17 06 58.1 45.02S 167.49E 17 4.4b,4.1
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=129.7.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU South Island, New Zealand.
ISC VI 10 10 38 49.1–1.0 43.57S–.03 172.46E–.03 18–3 116 0-8
WEL VI 10 10 38 00 43.56S 172.42E 7 4.2L,3.8W **¶611401360**
NOU VI 10 10 38 48.0 43.58S 172.55E 4 4.4,3.8W
WEL VI 10 10 38 49.2–.44 44S–3.0 172E–2.0 9–3 4.4L,4.2
ISC Event type ke.
WEL Moment Tensor Solution. s6 Moment tensor: Scale 10^{14}Nm; M_{rr}0.73 $M_{\theta\theta}$3.19 $M_{\phi\phi}$-3.92 $M_{r\theta}$0.20 $M_{\theta\phi}$-4.66 $M_{\phi r}$-0.50 NP1:ϕ_s71.00000°,δ85.00000°,λ179.00000°. NP2:ϕ_s161.00000°,δ89.00000°,λ5.00000°. Principal axes: T -62.4800,Plg4.0000°,Azm26.0000°; N 55.3100,Plg85.0000°,Azm172.0000°; P 7.1700,Plg3.0000°,Azm296.0000° $M_0$5.89000×10^{14}
NOU South Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL VI 10 13 43 42.1–.36 42S–3.0 174E–4.0 14–3 3.5L,3.3
¶614547497
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL VI 10 19 45 40.9–.40 42S–3.0 173E–3.0 5 2.5L,2.2
¶614547514
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL VI 11 08 48 50.9 42S–5.0 174E–3.0 10–4 2.5L,1.8
¶614547543
WEL Event type se. smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID
smi:org.gfz-potsdam.de/geofon/nz3drx. manual. confirmed.
ISC VI 11 11 04 58.4–1.1 42.21S–.03 173.74E–.04 15–9 67 0-4
NOU VI 11 11 04 58.5 42.29S 173.77E 17 3.5 **¶612490004**
WEL VI 11 11 04 58.7–.33 42S–3.0 174E–4.0 12 3.0L,2.8
ISC Event type se.
NOU South Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL VI 11 23 42 39.5–.68 42S–3.0 174E–4.0 6–6 2.3L,2.1
¶614547572
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL VI 12 00 47 18.0 45S–7.0 168E–11 61–12 3.9L,3.6
¶614547573
WEL Event type se. smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID
smi:org.gfz-potsdam.de/geofon/nz3drx. manual. confirmed.
WEL VI 14 06 24 31.3–.97 45S–5.0 168E–7.0 55–9 3.1L,2.6
¶614547641
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL VI 16 00 40 13.4–.44 42S–3.0 173E–3.0 5 2.4L,1.9
¶614547714
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL VI 16 03 47 03.2–.46 42S–3.0 174E–3.0 5 2.4L,1.8
¶614547722
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC VI 16 05 56 31.4–.90 42.77S–.02 172.51E–.03 16–6 3.8b 145 0-153
IDC VI 16 05 56 28.8–1.0 42.64S 172.46E 0 4.0b,3.9 **¶610791981**
WEL VI 16 05 56 31.5–.29 43S–3.0 172E–2.0 9–3 4.5,4.5
NOU VI 16 05 56 32.2 42.89S 172.68E 26 4.6,4.5
ISC Event type se.
IDC Error ellipse: s-maj=27.8km s-min=14.4km az=127.0.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=147.5.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU South Island, New Zealand.
WEL VI 16 14 47 41.9–.68 44S–3.0 168E–5.0 5 3.7L,3.5
¶614547757
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL VI 16 15 36 31.2–.61 44S–2.0 168E–5.0 5 4.6b,3.9L
¶614547764
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC VI 16 16 15 46.2–1.7 44.22S–.05 167.50E–.09 14 44 1-8
WEL VI 16 16 15 46.6–1.2 44S–6.0 168E–7.0 5 3.5L,3.2 **¶612490036**
NOU VI 16 16 15 46.7 44.15S 167.60E 0 3.9,3.2
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=115.2.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU South Island, New Zealand.
ISC VI 16 23 15 56.9–1.6 41.17S–.05 172.72E–.06 193–9 140 0-7
NOU VI 16 23 15 57.4 41.13S 172.72E 197 3.8 **¶612490040**
WEL VI 16 23 16 00.4–.88 41S–6.0 173E–7.0 166–6 3.7,3.7
ISC Event type se.
NOU South Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL VI 17 09 44 20.3–.84 41S–5.0 172E–4.0 5 3.0L,2.8
¶614547802
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC VI 17 20 17 13.9–.76 45.16S–.05 167.35E–.05 108–6 3.8b 123 0-152
NEIC VI 17 20 17 13.6–1.1 45.05S–.08 167.3E–.20 103–8 4.1b **¶610792079**
NOU VI 17 20 17 13.6 45.14S 167.31E 111 4.4
IDC VI 17 20 17 14.2–4.9 45.07S 167.47E 114–44 3.7s,3.6
WEL VI 17 20 17 15.2–1.1 45S–5.0 167E–6.0 89–8 4.4L,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU South Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL VI 18 16 50 58.1–.56 42S–3.0 173E–6.0 12 2.5L,2.1
¶614547854
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL VI 18 20 15 06.5–.39 45S–3.0 169E–3.0 5 3.1L,3.0
¶614547859
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL VI 19 00 53 51.4–.78 43S–5.0 173E–5.0 5 2.4L
¶614547877
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC VI 19 15 28 56.4–1.1 42.18S–.03 173.74E–.04 22–4 72 0-4
NOU VI 19 15 28 33.6 44.19S 173.62E 25 4.2 **¶614547898**
WEL VI 19 15 28 56.3 42S–4.0 174E–6.0 22–9 3.1L,2.9
ISC Event type se.
NOU Off E. Coast of S. Island, N.Z.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID
smi:org.gfz-potsdam.de/geofon/nz3drx. manual. confirmed.
ISC VI 21 02 01 37.7–.00 43.00S–.03 173.14E–.04 10–7 68 0-6
NOU VI 21 02 01 37.6 43.03S 173.11E 3 3.9 **¶612490085**
WEL VI 21 02 01 38.4–.50 43S–3.0 173E–3.0 7–3 3.7L,3.2
ISC Event type se.
NOU Off E. Coast of S. Island, N.Z.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL VI 21 17 29 12.2–.50 41S–3.0 172E–3.0 5 2.4L,2.0
¶614547990
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL VI 22 01 28 14.7–.32 44S–2.0 172E–2.0 5 4.0L,3.6
¶614548008
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL VI 22 05 38 37.7–.84 44S–5.0 168E–5.0 5 3.0L,2.6
¶614548017
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL VI 22 10 52 28.6–.42 42S–3.0 172E–3.0 5 2.2L
¶614548032
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC VI 22 10 54 56.5–1.0 45.18S–.06 167.35E–.05 67–10 89 0-17
NOU VI 22 10 54 56.9 45.22S 167.47E 94 4.8 **¶612490099**
WEL VI 22 10 54 57.2 45S–6.0 167E–10 52–13 4.5L,4.4
ISC Event type se.
NOU South Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID
smi:org.gfz-potsdam.de/geofon/nz3drx. manual. confirmed.
ISC VI 23 11 11 35.8–.00 42.27S–.03 173.69E–.03 20–4 139 0-150
NOU VI 23 11 11 34.9 42.41S 173.85E 10 4.2 **¶610789340**
IDC VI 23 11 11 34.0–2.0 42.17S 173.62E 0 3.4,3.3b
WEL VI 23 11 11 36.3–.46 42S–2.0 174E–3.0 5–4 4.0L,3.8
ISC Event type se.
NOU South Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC VI 24 04 35 31.1–1.3 42.57S–.03 173.81E–.03 2–11 85 0-6
NOU VI 24 04 35 31.8 42.62S 173.75E 0 4.3 **¶612490119**
WEL VI 24 04 35 35.3–.64 42S–3.0 174E–4.0 6–5 3.9L,3.5
ISC Event type se.
NOU South Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL VI 24 06 46 36.0 43S–7.0 174E–11 12–21 2.8L,2.4
¶614548097
WEL smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID
smi:org.gfz-potsdam.de/geofon/nz3drx. automatic.
WEL VI 26 13 55 15.2–1.2 45S–6.0 168E–6.0 71–10 3.8L,3.6
¶614548168
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC VI 27 04 23 46.2–.80 42.60S–.03 173.81E–.04 10 119 0-150
IDC VI 27 04 23 44.1–2.0 41.97S 174.09E 0 3.4,3.4b **¶610789540**
NOU VI 27 04 23 45.7 42.63S 173.87E 0 4.2,3.4b
WEL VI 27 04 23 48.9–.71 42S–5.0 174E–5.0 5–3 4.0L,3.7

ISC Event type se.
NOU South Island, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL VI 27 05 30 27.5–.51 43S–4.0 173E–4.0 5 2.6L,2.1 ¶614548208
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL VI 29 10 12 41.8–.50 45S–3.0 168E–3.0 5 2.7L,2.5 ¶614548306
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL VI 30 16 41 42.2–.49 43S–3.0 173E–4.0 5 2.7L,2.3 ¶614563347
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.

(163) Cook Strait.

WEL I 01 03 37 20.1–.31 42S–3.0 174E–2.0 11–3 3.3L,3.3 ¶614537797
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC I 01 10 52 23.7–.59 41.62S–.03 174.48E–.02 26–4 4.3b 205 0-154
NOU I 01 10 52 21.6 41.79S 174.73E 10 4.5 **¶610236382**
NEIC I 01 10 52 23.8–1.6 41.62S–.04 174.47E–.04 19–6 4.4b
IDC I 01 10 52 23.2–.73 41.44S 174.40E 23–3 3.9b,3.8
WEL I 01 10 52 23.2–.20 42S–2.0 174E–2.0 10–1 4.5L,4.3
ISC Event type se.
NOU Cook Strait, New Zealand.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL I 01 13 52 18.7–.32 42S–3.0 174E–2.0 9–3 3.3L,3.3 ¶614537831
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL I 01 17 23 00.5–.32 42S–3.0 174E–2.0 10–3 3.3L,3.3 ¶614537855
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL I 01 19 39 11.3–.25 42S–3.0 174E–2.0 17–2 3.4L,3.1 ¶614537865
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC I 02 05 59 09.4–2.8 41.66S–.03 174.45E–.02 16–19 4.1b 188 0-151
IDC I 02 05 59 07.0–1.5 41.57S 174.30E 0 3.8b,3.7 **¶610236442**
NOU I 02 05 59 08.2 41.87S 174.71E 5 4.3,3.7
NEIC I 02 05 59 09.8–2.3 41.62S–.05 174.46E–.04 19–4 4.3b,3.7
WEL I 02 05 59 10.2–.38 42S–3.0 174E–2.0 10–4 4.2L,3.9
ISC Event type se.
NOU Cook Strait, New Zealand.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC I 02 07 13 12.4–1.1 41.69S–.03 174.34E–.02 19–2 66 0-4
WEL I 02 07 13 12.3–.88 42S–4.0 174E–3.0 10–6 2.9L,2.7 **¶612488241**
NOU I 02 07 13 16.2 41.79S 174.13E 29 3.6,2.7
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=153.7. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU Cook Strait, New Zealand.
ISC I 02 14 41 58.6–1.0 41.70S–.03 174.51E–.02 18–6 127 0-6
NOU I 02 14 41 57.8 41.77S 174.60E 8 4.0 **¶612488246**
WEL I 02 14 41 59.7–.37 42S–3.0 174E–2.0 7–3 4.0L,3.7
ISC Event type se.
NOU Cook Strait, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC I 02 17 32 53.4–.88 41.74S–.03 174.16E–.02 18–5 83 0-4
WEL I 02 17 32 53.6–.43 42S–3.0 174E–2.0 9–3 3.3L,3.0 **¶612488252**
NOU I 02 17 32 54.1 41.69S 174.13E 0 3.5,3.0
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=149.7. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU Cook Strait, New Zealand.
ISC I 03 01 21 07.7–1.0 41.93S–.03 174.16E–.03 12–8 76 0-4
NOU I 03 01 21 08.1 42.00S 174.27E 17 3.8 **¶612488258**
WEL I 03 01 21 08.9–.50 42S–3.0 174E–3.0 8–3 3.6L,3.3
ISC Event type se.
NOU Cook Strait, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC I 03 06 29 19.6–1.1 41.90S–.03 174.25E–.03 15–8 130 0-151
WEL I 03 06 29 00 41.78S 174.19E 17 3.9L,3.6W **¶610236535**
IDC I 03 06 29 18.2–1.9 41.72S 173.97E 0 3.4,3.3b
NOU I 03 06 29 20.7 42.03S 174.47E 26 4.1,3.3b
WEL I 03 06 29 21.8–.47 42S–3.0 174E–2.0 6–4 4.2L,3.9
ISC Event type ke.
WEL Moment Tensor Solution. s3 Moment tensor: Scale 10^14Nm; Mrr1.15 Mθθ1.67 Mφφ-2.82 Mrθ-0.80 Mθφ-0.82 Mφr0.97 NP1:φs230.00000°,δ56.00000°,λ160.00000°. NP2:φs332.00000° ,δ73.00000°,λ36.00000°. Principal axes: T 25.3700,Plg37.0000°,Azm197.0000° ; N 5.8800,Plg51.0000°,Azm354.0000°; P -31.2500,Plg11.0000°,Azm98.0000° M0 2.83000×10^14
NOU Off E. Coast of S. Island, N.Z.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC I 03 22 11 07.4–.90 41.70S–.03 174.24E–.03 31–6 121 0-7
NOU I 03 22 11 06.6 41.79S 174.37E 23 4.5 **¶612488267**
WEL I 03 22 11 07.0–.28 42S–3.0 174E–2.0 20–2 4.1L,3.8
ISC Event type se.
NOU Cook Strait, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC I 03 23 44 14.1–1.0 41.89S–.03 174.27E–.03 16–7 86 0-5
WEL I 03 23 44 15.0–.47 42S–3.0 174E–2.0 8–4 3.7L,3.5 **¶612488269**
NOU I 03 23 44 14.7 41.96S 174.34E 11 4.0,3.5
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=166.6. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU Cook Strait, New Zealand.
ISC I 04 10 04 46.0–1.1 41.82S–.04 174.18E–.04 20–3 58 0-5
WEL I 04 10 04 45.9 42S–5.0 174E–6.0 18–6 3.1L,2.8 **¶612488275**
NOU I 04 10 04 51.2 41.96S 173.80E 31 3.9,2.8
ISC Event type ke.
WEL Error ellipse: s-maj=0.0km s-min=0.0km az=118.5. smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID smi:org.gfz-potsdam.de/geofon/nz3drx. automatic.
NOU South Island, New Zealand.
ISC I 04 17 01 54.6–1.1 41.99S–.03 174.27E–.03 14–8 124 0-7
WEL I 04 17 01 00 41.89S 174.16E 16 3.9L,3.8W **¶611398886**
NOU I 04 17 01 55.5 42.11S 174.46E 29 4.2,3.8W
WEL I 04 17 01 56.4–.58 42S–3.0 174E–3.0 8–3 4.2L,3.9
ISC Event type ke.
WEL Moment Tensor Solution. s3 Moment tensor: Scale 10^14Nm; Mrr2.17 Mθθ2.93 Mφφ-5.11 Mrθ2.12 Mθφ-2.90 Mφr-1.42 NP1:φs57.00000°,δ62.00000°,λ157.00000°. NP2:φs159.00000° ,δ70.00000°,λ31.00000°. Principal axes: T 56.2600,Plg35.0000°,Azm20.0000° ; N 4.7900,Plg54.0000°,Azm189.0000°; P -61.0500,Plg5.0000°,Azm287.0000° M0 5.87000×10^14
NOU Off E. Coast of S. Island, N.Z.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC I 05 10 22 02.4–1.4 41.58S–.03 174.43E–.02 15–12 104 0-5
WEL I 05 10 22 02.9–.33 42S–3.0 174E–2.0 13–3 3.5L,3.2 **¶612488290**
NOU I 05 10 22 03.8 41.65S 174.37E 0 3.5,3.2
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=152.4. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU Cook Strait, New Zealand.
ISC I 05 11 17 35.4–.56 41.87S–.02 174.12E–.02 19–2 5.0b,4.8s 380 0-179
WEL I 05 11 17 00 41.85S 173.99E 11 5.3W,5.3L **¶611831482**
IDC I 05 11 17 31.3–.43 41.66S 174.22E 0 4.7s,4.6
NOU I 05 11 17 32.4 42.29S 175.05E 0 5.1b,4.6
NEIC I 05 11 17 34.8–2.1 41.83S–.03 174.06E–.04 17–3 5.4,5.3
WEL I 05 11 17 34.9–.38 42S–3.0 174E–2.0 14–2 5.7L,5.4
NEIC I 05 11 17 36 41.86S 174.08E 20 5.7L,5.4
GCMT I 05 11 17 38.8–.10 41.84S–.01 173.96E–.01 21–0 5.3W,5.4
ISC Event type se.
WEL Moment Tensor Solution. s13 Moment tensor: Scale 10^17Nm; Mrr-0.51 Mθθ0.96 Mφφ-0.46 Mrθ-0.01 Mθφ-0.55 Mφr0.88 NP1:φs254.00000°,δ51.00000°,λ-155.00000°. NP2:φs147.00000° ,δ71.00000°,λ-42.00000°. Principal axes: T 12157.5200,Plg12.0000°,Azm205.0000° ; N 2116.0700,Plg45.0000°,Azm307.0000°; P -14273.5900,Plg43.0000°,Azm103.0000° M0 1.32000×10^17
NOU Off E. Coast of S. Island, N.Z.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^17Nm; Mrr-0.26 Mθθ0.77 Mφφ-0.51 Mrθ-0.09 Mθφ-0.59 Mφr0.61 NP1:φs250.80000°,δ55.27000°,λ-164.81000°. NP2:φs152.01000° ,δ77.56000°,λ-35.69000°. Principal axes: T 1.0759,Plg15.0000°,Azm206.0000° ; N 0.0183,Plg52.0000°,Azm315.0000°; P -1.0942,Plg34.0000°,Azm106.0000° M0 1.09000×10^17
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Moment Tensor Solution.Duration: 4s0 Moment tensor: Scale 10^17Nm; Mrr-0.54 Mθθ1.02 Mφφ-0.48 Mrθ-0.09 Mθφ-0.50 Mφr0.93 NP1:φs252.00000°,δ48.00000° ,λ-154.00000°. NP2:φs145.00000°,δ71.00000°,λ-44.00000°. Principal axes: T 1.2622,Plg14.0000°,Azm204.0000°; N 0.2159,Plg43.0000°,Azm307.0000° ; P -1.4781,Plg44.0000°,Azm99.0000° M0 1.38000×10^17
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s96,c142; s108,c174;Duration: 1s1 Moment tensor: Scale 10^17Nm; Mrr-0.32±.02 Mθθ0.74±.02; Mφφ-0.41±.01; Mrθ-0.48±.03; Mθφ-0.51±.01; Mφr0.80±.04; Best double couple: NP1:φs147.00000°,δ81.00000°,λ-54.00000°. NP2:φs250.00000°,δ37.00000°,λ-165.00000°. Principal axes: T 1.2970,Plg27.0000° ,Azm209.0000°; N -0.1290,Plg36.0000°,Azm321.0000°; P -1.1680,Plg43.0000° ,Azm92.0000° M0 1.23200×10^17
ISC I 05 11 51 09.4–1.0 41.89S–.03 174.04E–.03 20–3 96 0-5
NOU I 05 11 51 07.6 42.18S 174.58E 8 3.9 **¶612488291**
WEL I 05 11 51 09.6–.39 42S–3.0 174E–3.0 14–3 3.6L,3.4
ISC Event type se.
NOU Off E. Coast of S. Island, N.Z.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL I 06 05 59 43.2–.88 41S–5.0 173E–6.0 139–6 3.5,3.5 ¶614538229
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC I 06 07 32 19.0–1.3 41.86S–.03 174.04E–.02 14–11 120 0-7
WEL I 06 07 32 19.3–.32 42S–3.0 174E–2.0 15–2 3.9L,3.6 **¶612488299**
NOU I 06 07 32 20.1 41.93S 174.10E 12 4.0,3.6
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=154.5. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU Cook Strait, New Zealand.
ISC I 06 08 45 16.9–.81 41.70S–.03 174.34E–.02 15–5 4.3b,3.6s 242 0-153
WEL I 06 08 45 00 41.64S 174.28E 14 4.7L,4.4W **¶610038952**
IDC I 06 08 45 15.0–.88 41.57S 174.17E 0 4.1,4.0b
NOU I 06 08 45 16.2 41.88S 174.61E 13 5.1,4.0b
WEL I 06 08 45 17.8–.38 42S–3.0 174E–2.0 9–3 5.1L,4.8
NEIC I 06 08 45 17.4–.79 41.69S–.03 174.33E–.03 18–5 4.3b,4.8
ISC Event type se.
WEL Moment Tensor Solution. s6 Moment tensor: Scale 10^15Nm; Mrr2.76 Mθθ3.28 Mφφ-6.04 Mrθ-0.31 Mθφ-3.20 Mφr-0.67 NP1:φs62.00000°,δ90.00000°,λ-174.00000°. Principal axes: T -708.9700,Plg4.0000°,Azm197.0000°; N 428.5400,Plg84.0000°,Azm62.0000° ; P 280.4300,Plg4.0000°,Azm288.0000° M0 5.69000×10^15
NOU Cook Strait, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL I 08 13 46 46.9–.50 42S–2.0 174E–3.0 11–4 4.0L,3.9 ¶614538467
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC I 10 00 59 17.0–.95 41.73S–.03 174.32E–.02 8–6 43 0-3
WEL I 10 00 59 16.9–.50 42S–3.0 174E–2.0 5 3.1L,2.9 **¶612488361**
NOU I 10 00 59 21.0 41.99S 174.03E 55 3.5,2.9
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=164.6. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU Cook Strait, New Zealand.
ISC I 11 00 19 21.0–.76 41.78S–.03 174.33E–.02 19–2 4.4b,3.7s 214 0-153
WEL I 11 00 19 00 41.69S 174.25E 19 5.1L,4.6W **¶610101620**
WEL I 11 00 19 21.7 42S–2.0 174E–2.0 12–3 5.1L,5.1
NEIC I 11 00 19 21.6–1.9 41.74S–.03 174.27E–.02 17–1 4.3b,5.1
IDC I 11 00 19 25.4–2.0 41.70S 173.97E 46–17 4.4,4.4L
ISC Event type se.
WEL Moment Tensor Solution. s9 Moment tensor: Scale 10^16Nm; Mrr0.29 Mθθ0.75 Mφφ-1.03 Mrθ0.13 Mθφ-0.59 Mφr0.06 NP1:φs152.00000°,δ81.00000°,λ4.00000°. NP2:φs61.00000° ,δ86.00000°,λ171.00000°. Principal axes: T -1213.2200,Plg9.0000°,Azm16.0000° ; N 939.6700,Plg80.0000°,Azm217.0000°; P 273.5500,Plg4.0000°,Azm107.0000° M0 1.08000×10^16
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=115.7. smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID smi:org.gfz-potsdam.de/geofon/nz3drx. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=4.9km s-min=1.6km az=158.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=25.1km s-min=13.8km az=119.0.
ISC I 11 19 47 12.5–.97 41.95S–.04 174.06E–.06 21–2 28 0-151
IDC I 11 19 47 09.6–2.2 41.78S 174.00E 0 3.3L,3.2 **¶610237186**
WEL I 11 19 47 13.4 42S–2.0 174E–3.0 14–4 4.0L,3.7
NOU I 11 19 47 13.1 42.12S 174.17E 25 4.2,3.7
ISC Event type se.
IDC Error ellipse: s-maj=56.7km s-min=30.5km az=146.0.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=61.4. smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID smi:org.gfz-potsdam.de/geofon/nz3drx. manual. confirmed.
NOU Off E. Coast of S. Island, N.Z.
ISC I 13 01 08 42.1–1.1 41.94S–.03 174.16E–.03 13–9 107 0-6
NOU I 13 01 08 42.6 42.04S 174.30E 18 4.1 **¶612488375**
WEL I 13 01 08 43.1–.43 42S–3.0 174E–3.0 10–3 4.0L,3.7
ISC Event type se.
NOU Off E. Coast of S. Island, N.Z.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC I 13 23 30 06.5–.77 41.71S–.03 174.36E–.02 24–5 4.3b,3.9s 204 0-153

WEL I 13 23 30 00 41.63S 174.31E 26 4.5L,4.3W ¶610237319
IDC I 13 23 30 02.6–.85 41.44S 174.25E 0 4.1,4.1b
NOU I 13 23 30 05.7 41.83S 174.49E 15 4.7,4.1b
WEL I 13 23 30 06.9–.37 42S–3.0 174E–2.0 9–3 4.7L,4.5
NEIC I 13 23 30 06.8 41.67S 174.30E 22 4.7L,4.5
NEIC I 13 23 30 06.8–2.4 41.64S–.03 174.30E–.04 18–4 4.3b,4.2
ISC Event type se.
WEL Moment Tensor Solution. s6 Moment tensor: Scale 10^{15}Nm; M_{rr}1.94 $M_{\theta\theta}$1.07 $M_{\phi\phi}$-3.01 $M_{r\theta}$-1.78 $M_{\theta\phi}$-0.97 $M_{\phi r}$0.35 NP1:ϕ_s340.00000°,δ57.00000°,λ40.00000°. NP2:ϕ_s225.00000°,δ58.00000°,λ139.00000°. Principal axes: T 345.9800,Plg50.0000°,Azm192.0000°; N -23.3000,Plg40.0000°,Azm13.0000°; P -322.6800,Plg1.0000°,Azm283.0000° $M_0$3.34000×10^{15}
NOU Cook Strait, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}2.23 $M_{\theta\theta}$0.28 $M_{\phi\phi}$-2.51 $M_{r\theta}$-0.42 $M_{\theta\phi}$-0.79 $M_{\phi r}$-0.09 NP1:ϕ_s2.89000°,δ43.99000°,λ72.74000°. NP2:ϕ_s206.25000°,δ48.46000°,λ105.98000°. Principal axes: T 2.3148,Plg78.0000°,Azm184.0000°; N 0.4074,Plg12.0000°,Azm15.0000°; P -2.7222,Plg2.0000°,Azm285.0000° $M_0$2.54000×10^{15}
ISC I 14 13 42 34.6–.89 41.77S–.03 174.38E–.03 25–6 3.9b 135 0-153
WEL I 14 13 42 00 41.66S 174.30E 21 4.1L,4.0W ¶610237357
IDC I 14 13 42 31.4–1.3 41.48S 174.23E 0 3.9b,3.8
WEL I 14 13 42 35.1–.61 42S–4.0 174E–3.0 15–5 4.3L,4.1
ISC Event type ke.
WEL Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}1.01 $M_{\theta\theta}$0.03 $M_{\phi\phi}$-1.04 $M_{r\theta}$-0.30 $M_{\theta\phi}$-0.37 $M_{\phi r}$0.19 NP1:ϕ_s216.00000°,δ46.00000°,λ117.00000°. NP2:ϕ_s359.00000°,δ50.00000°,λ65.00000°. Principal axes: T -115.6100,Plg71.0000°,Azm203.0000°; N 2.4800,Plg19.0000°,Azm16.0000°; P 113.1200,Plg2.0000°,Azm107.0000° $M_0$1.14000×10^{15}
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC I 15 03 24 10.7–.98 41.81S–.03 174.28E–.03 11–6 123 0-7
WEL I 15 03 24 00 41.71S 174.23E 19 4.0L,3.9W ¶611399310
NOU I 15 03 24 10.6 41.92S 174.50E 15 4.4,3.9W
WEL I 15 03 24 11.7–.39 42S–2.0 174E–3.0 6–3 4.3L,4.0
ISC Event type ke.
WEL Moment Tensor Solution. s4 Moment tensor: Scale 10^{14}Nm; M_{rr}3.70 $M_{\theta\theta}$5.99 $M_{\phi\phi}$-9.68 $M_{r\theta}$-1.90 $M_{\theta\phi}$0.25 $M_{\phi r}$1.92 NP1:ϕ_s221.00000°,δ63.00000°,λ163.00000°. NP2:ϕ_s319.00000°,δ75.00000°,λ28.00000°. Principal axes: T 70.8800,Plg30.0000°,Azm183.0000°; N 28.8100,Plg58.0000°,Azm344.0000°; P -99.6900,Plg8.0000°,Azm88.0000° $M_0$8.53000×10^{14}
NOU Cook Strait, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC I 17 07 05 21.0–.98 41.73S–.03 174.40E–.03 12–7 100 0-7
WEL I 17 07 05 00 41.67S 174.34E 18 3.8W,3.8L ¶611399340
NOU I 17 07 05 19.9 41.90S 174.61E 5 4.2,3.8L
WEL I 17 07 05 21.4–.34 42S–3.0 174E–3.0 12–4 4.1L,3.8
ISC Event type ke.
WEL Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}1.68 $M_{\theta\theta}$4.99 $M_{\phi\phi}$-6.67 $M_{r\theta}$0.83 $M_{\theta\phi}$3.65 $M_{\phi r}$0.37 NP1:ϕ_s119.00000°,δ82.00000°,λ7.00000°. NP2:ϕ_s28.00000°,δ83.00000°,λ171.00000°. Principal axes: T -77.2100,Plg11.0000°,Azm344.0000°; N 62.1600,Plg79.0000°,Azm167.0000°; P 15.0400,Plg1.0000°,Azm74.0000° $M_0$6.97000×10^{14}
NOU Cook Strait, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL I 17 11 26 35.9–.69 42S–6.0 174E–5.0 5 2.5L,2.0 ¶614539152
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL I 17 20 07 41.8 42S–5.0 174E–8.0 16–10 2.7L,2.2 ¶614539182
WEL smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID smi:org.gfz-potsdam.de/geofon/nz3drx. automatic.
ISC I 21 10 35 01.4–1.1 41.83S–.04 174.40E–.03 16–8 59 0-4
NOU I 21 10 35 01.4 41.85S 174.51E 21 3.8 ¶612488467
WEL I 21 10 35 02.2–.39 42S–5.0 174E–3.0 15–3 3.4L,3.1
ISC Event type se.
NOU Cook Strait, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC I 22 22 30 18.0–.99 41.80S–.03 174.38E–.02 19–3 125 0-153
IDC I 22 22 30 14.8–1.6 41.70S 174.26E 0 3.9b,3.8 ¶610235143
WEL I 22 22 30 18.8–.30 42S–3.0 174E–2.0 13–2 4.2L,4.0
NOU I 22 22 30 18.4 41.82S 174.43E 14 4.4,4.0
ISC Event type se.
IDC Error ellipse: s-maj=49.0km s-min=21.7km az=141.0.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=159.8. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU Cook Strait, New Zealand.
ISC I 23 06 16 39.1–.82 41.68S–.03 174.32E–.02 17–5 4.5b,3.4s 151 0-153
WEL I 23 06 16 00 41.65S 174.31E 17 4.6L,4.4W ¶610114442
IDC I 23 06 16 37.0–.89 41.56S 174.15E 0 4.2,4.2b
NOU I 23 06 16 38.7 41.81S 174.42E 7 4.9,4.2b
WEL I 23 06 16 39.1–.27 42S–2.0 174E–2.0 10–2 4.8L,4.6
NEIC I 23 06 16 39.1–.92 41.67S–.03 174.31E–.04 16–5 4.4b,4.6
ISC Event type se.
WEL Moment Tensor Solution. s5 Moment tensor: Scale 10^{15}Nm; M_{rr}2.31 $M_{\theta\theta}$2.11 $M_{\phi\phi}$-4.43 $M_{r\theta}$-1.40 $M_{\theta\phi}$-2.08 $M_{\phi r}$-0.46 NP1:ϕ_s338.00000°,δ57.00000°,λ27.00000°. NP2:ϕ_s232.00000°,δ67.00000°,λ144.00000°. Principal axes: T -513.0000,Plg41.0000°,Azm192.0000°; N 378.0400,Plg48.0000°,Azm23.0000°; P 134.9600,Plg6.0000°,Azm287.0000° $M_0$4.46000×10^{15}
NOU Cook Strait, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 24 11 53 07.9–.95 41.74S–.03 174.39E–.03 13–7 97 0-5
NOU I 24 11 53 07.7 41.80S 174.48E 8 3.7 ¶612488496
WEL I 24 11 53 08.3–.36 42S–3.0 174E–3.0 8–3 3.5L,3.3
ISC Event type se.
NOU Cook Strait, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC I 25 00 08 08.3–.94 41.77S–.03 174.37E–.03 15–6 96 0-5
NOU I 25 00 08 08.3 41.80S 174.47E 12 3.9 ¶612488502
WEL I 25 00 08 09.1–.31 42S–2.0 174E–2.0 10–3 3.8L,3.6
ISC Event type se.
NOU Cook Strait, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC I 27 00 09 44.3–1.0 41.85S–.04 174.42E–.03 11–7 104 0-5
NOU I 27 00 09 44.8 41.91S 174.50E 11 4.0 ¶612488530
WEL I 27 00 09 45.6 42S–3.0 174E–4.0 20–4 3.9L,3.6
ISC Event type se.
NOU Cook Strait, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID smi:org.gfz-potsdam.de/geofon/nz3drx. manual. confirmed.
ISC I 27 10 22 18.2–1.2 41.65S–.03 174.61E–.02 8–9 148 0-151
WEL I 27 10 22 00 41.50S 174.54E 24 4.0L,3.7W ¶610235473
IDC I 27 10 22 17.2–2.0 41.42S 174.46E 0 3.7s,3.7b
NOU I 27 10 22 18.9 41.68S 174.69E 7 4.2,3.7b
WEL I 27 10 22 20.4 42S–2.0 175E–3.0 19–5 4.3L,4.0
ISC Event type se.
WEL Moment Tensor Solution. s4 Moment tensor: Scale 10^{14}Nm; M_{rr}1.99 $M_{\theta\theta}$3.21 $M_{\phi\phi}$-5.20 $M_{r\theta}$-1.93 $M_{\theta\phi}$1.17 $M_{\phi r}$-1.18 NP1:ϕ_s313.00000°,δ59.00000°,λ22.00000°. NP2:ϕ_s211.00000°,δ71.00000°,λ147.00000°. Principal axes: T 48.9700,Plg36.0000°,Azm169.0000°; N 5.8400,Plg52.0000°,Azm4.0000°; P -54.8200,Plg8.0000°,Azm264.0000° $M_0$5.19000×10^{14}
NOU Cook Strait, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID smi:org.gfz-potsdam.de/geofon/nz3drx. manual. confirmed.
ISC I 27 19 04 59.8–.97 41.36S–.03 174.17E–.02 30–8 111 0-7
WEL I 27 19 04 59.4 41S–3.0 174E–4.0 39–4 3.6L,3.4 ¶612488537
NOU I 27 19 04 59.5 41.44S 174.24E 37 3.8,3.4
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=124.5. smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID smi:org.gfz-potsdam.de/geofon/nz3drx. manual. confirmed.
NOU Cook Strait, New Zealand.
ISC I 29 13 10 22.3–1.1 41.75S–.03 174.53E–.02 13–8 4.1b 181 0-153
WEL I 29 13 10 00 41.63S 174.43E 21 3.8L,3.6W ¶610235644
IDC I 29 13 10 20.5–1.2 41.59S 174.42E 0 3.8,3.8b
WEL I 29 13 10 23.6 42S–3.0 174E–4.0 23–5 4.1L,3.8
NEIC I 29 13 10 23.5–1.1 41.73S–.04 174.5E–.10 18–8 4.2b,3.8
ISC Event type se.
WEL Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}3.47 $M_{\theta\theta}$-0.43 $M_{\phi\phi}$-3.04 $M_{r\theta}$-0.61 $M_{\theta\phi}$0.41 $M_{\phi r}$-0.98 NP1:ϕ_s342.00000°,δ38.00000°,λ74.00000°. NP2:ϕ_s182.00000°,δ53.00000°,λ102.00000°. Principal axes: T 37.2400,Plg78.0000°,Azm136.0000°; N -5.0100,Plg10.0000°,Azm354.0000°; P -32.2300,Plg8.0000°,Azm263.0000° $M_0$3.47000×10^{14}
WEL Event type se. smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID smi:org.gfz-potsdam.de/geofon/nz3drx. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 29 16 17 04.2–1.1 41.99S–.03 174.22E–.03 10–9 77 0-4
WEL I 29 16 17 05.0–.42 42S–3.0 174E–2.0 6–3 3.0L,2.8 ¶612488573
NOU I 29 16 17 05.0 42.10S 174.40E 16 3.5,2.8
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=150.1. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU Off E. Coast of S. Island, N.Z.
ISC I 29 21 23 26.1–1.3 41.60S–.03 174.61E–.03 9–12 105 0-6
NOU I 29 21 23 25.7 41.70S 174.72E 3 3.9 ¶612488576
WEL I 29 21 23 27.1–.32 41S–3.0 175E–2.0 10–2 4.0L,3.8
ISC Event type se.
NOU Cook Strait, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC I 30 05 56 04.3–1.0 41.54S–.03 174.71E–.02 18–8 111 0-6
NOU I 30 05 56 03.1 41.69S 174.79E 0 3.9 ¶612488579
WEL I 30 05 56 04.5–.38 41S–4.0 175E–2.0 5 3.7L,3.4
ISC Event type se.
NOU Cook Strait, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC II 01 07 21 27.7–1.0 41.86S–.03 174.30E–.03 12–7 85 0-5
WEL II 01 07 21 28.6–.36 42S–3.0 174E–2.0 6–3 3.5L,3.2 ¶612488605
NOU II 01 07 21 28.1 41.96S 174.45E 15 3.6,3.2
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=145.7. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU Cook Strait, New Zealand.
ISC II 01 09 54 18.8–1.3 41.18S–.04 174.42E–.03 85–7 145 0-7
NOU II 01 09 54 19.7 41.17S 174.42E 72 4.0 ¶612488609
WEL II 01 09 54 20.8–.39 41S–3.0 174E–3.0 53–5 3.9L,3.7
ISC Event type se.
NOU Cook Strait, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC II 02 02 28 38.9–1.2 40.11S–.02 174.96E–.02 20–6 99 0-4
WEL II 02 02 28 38.1–.22 40S–1.0 175E–2.0 5 3.6L,3.4 ¶612488616
NOU II 02 02 28 39.8 40.12S 174.96E 66 3.3,3.4
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=81.2. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU Cook Strait, New Zealand.
WEL II 02 05 20 38.8–.38 42S–3.0 174E–2.0 9–4 2.9L,2.7 ¶614540112
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC II 04 05 47 12.3–.95 41.70S–.04 174.47E–.03 25–7 88 0-151
NOU II 04 05 47 10.8 41.86S 174.70E 7 4.4 ¶610414786
WEL II 04 05 47 12.9–.43 42S–4.0 174E–3.0 8–3 4.1L,3.8
IDC II 04 05 47 17.8–1.6 41.75S 174.06E 57–17 3.8,3.7L
ISC Event type se.
NOU Cook Strait, New Zealand.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=159.8. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=40.2km s-min=9.6km az=132.0.
ISC II 04 07 36 33.7–1.0 41.88S–.03 174.29E–.03 12–7 101 0-5
NOU II 04 07 36 33.9 41.96S 174.37E 11 3.8 ¶612488637
WEL II 04 07 36 34.2–.42 42S–4.0 174E–3.0 13–4 3.5L,3.3
ISC Event type se.
NOU Cook Strait, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC II 04 10 29 09.1–.62 40.35S–.03 174.47E–.03 108–5 4.5b 226 1-152
IDC II 04 10 29 05.9–1.1 40.40S 174.52E 84–10 4.3,3.9b ¶610414806
NOU II 04 10 29 07.4 40.35S 174.48E 126 4.8,3.9b
NEIC II 04 10 29 09.2–1.4 40.32S–.05 174.43E–.06 95–7 4.6b,4.2
NEIC II 04 10 29 09.2 40.32S 174.43E 95 4.6b,4.2
WEL II 04 10 29 10.7–.53 40S–3.0 174E–4.0 77–6 4.9L,4.7
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s14.27280°,δ52.81605°,λ152.82875°. NP2: ϕ_s121.50794°,δ68.66539°,λ40.45419°. Principal axes: T Plg43.2052°,Azm343.9323°; N Plg45.1357°,Azm144.6140°; P Plg9.7938°,Azm244.6018°
NOU Cook Strait, New Zealand.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}1.65 $M_{\theta\theta}$-0.02 $M_{\phi\phi}$-1.64 $M_{r\theta}$1.25 $M_{\theta\phi}$1.13 $M_{\phi r}$-0.22 NP1:ϕ_s359.37000°,δ41.11000°,λ134.99000°. NP2:ϕ_s126.37000°,δ62.29000°,λ58.32000°. Principal axes: T 2.3565,Plg59.0000°,Azm349.0000°; N 0.0199,Plg28.0000°,Azm142.0000°; P -2.3764,Plg12.0000°,Azm239.0000° $M_0$2.37000×10^{15}
NEIC Event type se.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL II 04 12 22 14.7 42S–5.0 174E–6.0 29–9 2.5L,2.4 ¶614540265
WEL smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID smi:org.gfz-potsdam.de/geofon/nz3drx. automatic.
WEL II 06 05 12 22.6–.37 41S–3.0 174E–2.0 11–4 3.9L,3.5 ¶614540372
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC II 09 14 19 43.4–1.2 41.86S–.04 174.13E–.03 24–9 70 0-5
WEL II 09 14 19 43.1 42S–5.0 174E–6.0 23–7 3.2L,2.8 ¶612488695
NOU II 09 14 19 46.6 41.73S 173.90E 0 3.5,2.8
ISC Event type ke.
WEL Error ellipse: s-maj=0.0km s-min=0.0km az=111.9. smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID smi:org.gfz-potsdam.de/geofon/nz3drx. automatic.
NOU South Island, New Zealand.
ISC II 10 20 32 27.2–1.1 41.70S–.04 174.32E–.03 16–10 35 0-3
NOU II 10 20 32 02.9 43.57S 173.10E 310 3.8 ¶612488708

WEL II 10 20 32 27.0 42S–4.0 174E–5.0 14–6 2.7L,2.4
ISC Event type ke.
NOU Off E. Coast of S. Island, N.Z.
WEL smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID smi:org.gfz-potsdam.de/geofon/nz3drx. automatic.
ISC II 11 15 14 21.2–.76 41.63S–.03 174.51E–.03 44–6 4.4b 189 0-153
IDC II 11 15 14 17.7–1.5 41.41S 174.39E 0 4.2b,3.9 **¶610415323**
NOU II 11 15 14 21.9 41.65S 174.58E 22 4.5,3.9
NEIC II 11 15 14 22.4–1.8 41.65S–.06 174.59E–.07 43–3 4.5b,3.9
WEL II 11 15 14 22.8–.33 42S–4.0 174E–2.0 21–3 4.5L,4.2
ISC Event type se.
NOU Cook Strait, New Zealand.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC II 19 11 46 48.7–1.0 41.92S–.03 174.26E–.03 16–8 102 0-5
WEL II 19 11 46 49.5–.32 42S–3.0 174E–3.0 14–2 3.4L,3.2 **¶612488814**
NOU II 19 11 46 49.2 42.02S 174.44E 22 3.6,3.2
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=135.1. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU Off E. Coast of S. Island, N.Z.
ISC II 20 09 57 39.0–1.2 41.83S–.04 174.25E–.03 13–9 84 0-5
NOU II 20 09 57 38.9 41.96S 174.57E 0 3.6 **¶612488826**
WEL II 20 09 57 39.3–.48 42S–5.0 174E–3.0 10–3 3.3L,3.1
ISC Event type se.
NOU Cook Strait, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL II 21 20 10 59.8–.41 42S–3.0 174E–3.0 5–3 4.0L,2.2 ¶616184965
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC II 21 20 11 33.2–1.3 41.79S–.04 174.29E–.03 20–6 102 0-7
WEL II 21 20 11 00 41.77S 174.30E 15 3.7W,3.6L **¶611399764**
WEL II 21 20 11 32.8–.44 42S–4.0 174E–3.0 13–3 3.9L,3.6
NOU II 21 20 11 35.2 41.58S 173.39E 165 4.0,3.6
ISC Event type ke.
WEL Moment Tensor Solution. s4 Moment tensor: Scale 10^{14}Nm; M_{rr}1.00 $M_{\theta\theta}$2.80 $M_{\phi\phi}$-3.80 $M_{r\theta}$-1.03 $M_{\theta\phi}$-2.97 $M_{\phi r}$1.59 NP1:ϕ_s244.00000°,δ65.00000°,λ170.00000°. NP2:ϕ_s338.00000°,δ81.00000°,λ25.00000°. Principal axes: T -51.5500,Plg24.0000°,Azm204.0000°; N 46.1400,Plg63.0000°,Azm356.0000°; P 5.4200,Plg11.0000°,Azm109.0000° $M_0$4.88000$\times10^{14}$
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=149.8. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU South Island, New Zealand.
ISC II 23 09 28 31.1–1.3 41.74S–.05 174.50E–.04 22–5 33 0-5
WEL II 23 09 28 31.2 42S–4.0 174E–6.0 22–8 3.2L,2.8 **¶612488863**
NOU II 23 09 28 35.2 41.85S 174.26E 17 3.6,2.8
ISC Event type ke.
WEL Error ellipse: s-maj=0.0km s-min=0.0km az=111.3. smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID smi:org.gfz-potsdam.de/geofon/nz3drx. automatic.
NOU Cook Strait, New Zealand.
ISC II 23 14 36 19.8–1.1 41.81S–.03 174.36E–.03 18–4 170 0-151
WEL II 23 14 36 00 41.71S 174.27E 19 4.3L,4.2W **¶610384882**
IDC II 23 14 36 17.4–1.5 41.66S 174.30E 0 3.8L,3.7
NOU II 23 14 36 20.4 41.87S 174.49E 15 4.7,3.7
WEL II 23 14 36 21.1–.29 42S–3.0 174E–2.0 13–2 4.5L,4.3
ISC Event type ke.
WEL Moment Tensor Solution. s8 Moment tensor: Scale 10^{15}Nm; M_{rr}0.25 $M_{\theta\theta}$1.98 $M_{\phi\phi}$-2.23 $M_{r\theta}$-0.34 $M_{\theta\phi}$0.11 $M_{\phi r}$-0.17 NP1:ϕ_s314.00000°,δ80.00000°,λ5.00000°. NP2:ϕ_s223.00000°,δ85.00000°,λ170.00000°. Principal axes: T 204.6200,Plg11.0000°,Azm178.0000°; N 19.4100,Plg79.0000°,Azm16.0000°; P -224.0300,Plg4.0000°,Azm269.0000° $M_0$2.14000$\times10^{15}$
NOU Cook Strait, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC II 23 20 54 36.2–1.2 41.84S–.04 174.37E–.03 11–9 107 0-5
NOU II 23 20 54 36.6 41.87S 174.51E 13 3.8 **¶612488876**
WEL II 23 20 54 37.3–.36 42S–4.0 174E–2.0 15–4 3.5L,3.2
ISC Event type se.
NOU Cook Strait, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC II 24 09 22 46.7–.89 41.67S–.03 174.26E–.02 18–6 91 0-5
WEL II 24 09 22 47.7–.29 42S–3.0 174E–3.0 8–2 3.2L,3.0 **¶612488883**
NOU II 24 09 22 47.7 41.86S 174.42E 13 3.5,3.0
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=137.1. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU Cook Strait, New Zealand.
WEL II 24 09 46 20.3–1.1 42S–3.0 174E–5.0 12–6 1.8L,1.1 ¶614541487
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC II 24 12 06 05.4–1.2 41.71S–.04 174.50E–.03 19–3 142 0-7
WEL II 24 12 06 00 41.59S 174.41E 24 3.9L,3.8W **¶611399804**
NOU II 24 12 06 05.3 41.74S 174.57E 11 4.2,3.8W
WEL II 24 12 06 06.2–.39 42S–4.0 174E–2.0 12–3 4.3L,3.9
ISC Event type ke.
WEL Moment Tensor Solution. s4 Moment tensor: Scale 10^{14}Nm; M_{rr}2.08 $M_{\theta\theta}$2.39 $M_{\phi\phi}$-4.47 $M_{r\theta}$3.89 $M_{\theta\phi}$1.86 $M_{\phi r}$0.03 NP1:ϕ_s21.00000°,δ53.00000°,λ154.00000°. NP2:ϕ_s127.00000°,δ69.00000°,λ40.00000°. Principal axes: T 63.0500,Plg42.0000°,Azm350.0000°; N -12.0600,Plg46.0000°,Azm150.0000°; P -50.9900,Plg10.0000°,Azm251.0000° $M_0$5.70000$\times10^{14}$
NOU Cook Strait, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC II 24 12 17 12.0–1.0 41.72S–.03 174.47E–.03 28 102 0-6
NOU II 24 12 17 10.0 41.85S 174.72E 5 3.7 **¶612488884**
WEL II 24 12 17 11.3–.37 42S–4.0 174E–3.0 11–3 3.4L,3.2
ISC Event type se.
NOU Cook Strait, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC II 24 19 59 07.7–1.1 41.81S–.03 174.38E–.03 13–9 118 0-7
NOU II 24 19 59 08.1 41.85S 174.44E 13 3.9 **¶612488889**
WEL II 24 19 59 08.1–.40 42S–5.0 174E–3.0 14–3 3.7L,3.4
ISC Event type se.
NOU Cook Strait, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC II 25 07 53 43.6–1.5 40.06S–.04 173.86E–.05 178–8 148 1-6
NOU II 25 07 53 43.8 39.99S 173.82E 183 3.7 **¶612488892**
WEL II 25 07 53 47.1–.68 40S–3.0 174E–5.0 148–5 3.4L,3.4
ISC Event type se.
NOU Off W. Coast of N. Island, N.Z.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC II 25 09 26 13.3–.97 41.73S–.03 174.34E–.03 10–8 95 0-7
WEL II 25 09 26 13.1–.34 42S–4.0 174E–3.0 9–3 3.4L,3.1 **¶612488893**
NOU II 25 09 26 13.8 41.79S 174.43E 11 3.5,3.1
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=143.4. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU Cook Strait, New Zealand.
ISC II 27 08 41 05.4–1.1 41.83S–.04 174.25E–.03 14–7 117 0-5
WEL II 27 08 41 06.6–.31 42S–3.0 174E–2.0 9–3 3.6,3.6 **¶612488923**
NOU II 27 08 41 06.1 41.95S 174.43E 20 3.8,3.6
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=145.7. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU Cook Strait, New Zealand.
ISC II 28 00 56 56.8–1.4 41.92S–.04 174.21E–.04 65–8 114 0-7
NOU II 28 00 56 57.4 41.97S 174.21E 48 3.7 **¶612488934**
WEL II 28 00 56 58.2–.86 42S–5.0 174E–8.0 43–7 3.5L,3.3
ISC Event type se.
NOU Cook Strait, New Zealand.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL II 28 00 59 07.6–.49 42S–4.0 174E–4.0 41–6 3.0L,2.7 ¶614563085
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL II 28 05 12 27.0 42S–4.0 174E–5.0 9–5 2.4L,2.2 ¶614563080
WEL smi:nz.org.geonet/NonLinLoc. earthModelID smi:nz.org.geonet/nz3drx. automatic.
ISC II 28 09 02 44.9–.94 41.79S–.03 174.21E–.03 18–6 126 0-151
WEL II 28 09 02 00 41.72S 174.17E 21 3.8L,3.6W **¶610385189**
IDC II 28 09 02 41.0–2.0 41.75S 174.19E 0 3.1,3.1b
WEL II 28 09 02 45.2–.27 42S–2.0 174E–2.0 9–2 3.8L,3.8
NOU II 28 09 02 45.5 41.87S 174.35E 17 4.0,3.8
ISC Event type ke.
WEL Moment Tensor Solution. s5 Moment tensor: Scale 10^{14}Nm; M_{rr}0.33 $M_{\theta\theta}$2.34 $M_{\phi\phi}$-2.67 $M_{r\theta}$0.46 $M_{\theta\phi}$1.43 $M_{\phi r}$0.07 NP1:ϕ_s30.00000°,δ82.00000°,λ173.00000°. NP2:ϕ_s121.00000°,δ83.00000°,λ8.00000°. Principal axes: T 28.0500,Plg11.0000°,Azm346.0000°; N -30.5100,Plg79.0000°,Azm161.0000°; P 2.4600,Plg1.0000°,Azm255.0000° $M_0$2.93000$\times10^{14}$
IDC Error ellipse: s-maj=51.9km s-min=23.6km az=134.0.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=145.8. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
NOU Cook Strait, New Zealand.
ISC III 03 02 49 13.2–.87 41.77S–.03 174.13E–.02 18–5 127 0-151
WEL III 03 02 49 00 41.74S 174.11E 23 4.3L,4.1W **¶610545421**
IDC III 03 02 49 10.4–1.5 41.60S 174.07E 0 3.5,3.4b
WEL III 03 02 49 14.0–.42 42S–2.0 174E–2.0 6–3 4.4L,4.0
NOU III 03 02 49 13.5 41.87S 174.31E 14 4.4,4.0
ISC Event type ke.
WEL Moment Tensor Solution. s6 Moment tensor: Scale 10^{15}Nm; M_{rr}0.82 $M_{\theta\theta}$1.35 $M_{\phi\phi}$-2.17 $M_{r\theta}$-0.64 $M_{\theta\phi}$-0.15 $M_{\phi r}$0.59 NP1:ϕ_s223.00000°,δ57.00000°,λ161.00000°. NP2:ϕ_s324.00000°,δ74.00000°,λ34.00000°. Principal axes: T 183.0000,Plg36.0000°,Azm189.0000°; N 45.0700,Plg52.0000°,Azm345.0000°; P -228.0700,Plg11.0000°,Azm90.0000° $M_0$2.06000$\times10^{15}$
IDC Error ellipse: s-maj=44.3km s-min=13.6km az=131.0.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=137.5. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU Cook Strait, New Zealand.
ISC III 04 07 27 37.2–.72 41.91S–.03 174.21E–.03 17–4 4.4b,3.4s 195 0-153
WEL III 04 07 27 00 41.83S 174.12E 11 4.5L,4.3W **¶610245028**
IDC III 04 07 27 35.0–.77 41.68S 174.07E 0 4.4,4.4b
NEIC III 04 07 27 37.8–1.6 41.82S–.03 174.19E–.03 19–5 4.5b,4.3
NEIC III 04 07 27 37.6 41.84S 174.20E 17 4.5b,4.3
NOU III 04 07 27 38.6 41.99S 174.29E 18 4.6,4.3
WEL III 04 07 27 38.5–.63 42S–5.0 174E–3.0 9–4 4.6L,4.5
ISC Event type se.
WEL Moment Tensor Solution. s7 Moment tensor: Scale 10^{15}Nm; M_{rr}2.86 $M_{\theta\theta}$0.36 $M_{\phi\phi}$-3.22 $M_{r\theta}$-1.11 $M_{\theta\phi}$-1.48 $M_{\phi r}$1.16 NP1:ϕ_s225.00000°,δ45.00000°,λ130.00000°. NP2:ϕ_s355.00000°,δ57.00000°,λ57.00000°. Principal axes: T 367.6200,Plg62.0000°,Azm211.0000°; N 15.7400,Plg27.0000°,Azm14.0000°; P -383.3500,Plg7.0000°,Azm108.0000° $M_0$3.75000$\times10^{15}$
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}3.10 $M_{\theta\theta}$-0.82 $M_{\phi\phi}$-2.28 $M_{r\theta}$1.11 $M_{\theta\phi}$-1.73 $M_{\phi r}$1.18 NP1:ϕ_s208.33000°,δ32.15000°,λ81.61000°. NP2:ϕ_s38.21000°,δ58.23000°,λ95.24000°. Principal axes: T 3.4951,Plg76.0000°,Azm324.0000°; N 0.3097,Plg4.0000°,Azm215.0000°; P -3.8049,Plg13.0000°,Azm124.0000° $M_0$3.66000$\times10^{15}$
NEIC Event type se.
NOU Cook Strait, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC III 05 19 14 06.3–.97 41.84S–.04 174.19E–.03 16–6 60 0-4
NOU III 05 19 14 05.7 41.94S 174.15E 0 3.8 **¶612489015**
WEL III 05 19 14 06.8–.39 42S–2.0 174E–3.0 10–3 3.5L,3.2
ISC Event type se.
NOU Cook Strait, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC III 05 21 23 23.3–.91 40.92S–.03 174.60E–.03 68–6 147 0-152
IDC III 05 21 23 15.7–2.2 40.29S 174.60E 0 3.2,3.2b **¶610545612**
NOU III 05 21 23 22.4 40.92S 174.64E 68 4.1,3.2b
WEL III 05 21 23 23.9–.41 41S–6.0 175E–4.0 39–6 4.0L,3.7
ISC Event type se.
NOU Cook Strait, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC III 08 04 55 05.6–1.4 40.43S–.03 174.11E–.04 92–10 113 0-7
NOU III 08 04 55 06.6 40.42S 174.06E 83 4.0 **¶612489035**
WEL III 08 04 55 07.5–.44 40S–2.0 174E–3.0 64–8 3.6L,3.4
ISC Event type se.
NOU Cook Strait, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL III 09 08 10 46.9–.37 42S–3.0 174E–2.0 5 2.9,2.9 ¶616320650
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC III 09 18 27 23.7–1.1 41.82S–.04 174.39E–.03 16–8 114 0-7
NOU III 09 18 27 23.8 41.85S 174.48E 16 4.1 **¶612489052**
WEL III 09 18 27 24.9–.49 42S–4.0 174E–3.0 11–5 3.9L,3.6
ISC Event type se.
NOU Cook Strait, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC III 10 05 07 18.7–1.1 41.88S–.03 174.30E–.03 13–8 83 0-5
WEL III 10 05 07 20.0–.46 42S–3.0 174E–3.0 14–4 3.6L,3.3 **¶612489054**
NOU III 10 05 07 19.2 41.91S 174.40E 20 3.7,3.3
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=144.0. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU Cook Strait, New Zealand.
ISC III 10 05 25 54.9–1.2 41.89S–.03 174.31E–.03 13–9 144 0-151
WEL III 10 05 25 00 41.76S 174.20E 15 4.1L,3.9W **¶610545923**
IDC III 10 05 25 53.1–1.9 41.74S 174.20E 0 3.6,3.5b
NOU III 10 05 25 56.1 41.97S 174.41E 13 4.5,3.5b
WEL III 10 05 25 57.2–.44 42S–3.0 174E–3.0 12–5 4.5L,4.2
ISC Event type ke.
WEL Moment Tensor Solution. s7 Moment tensor: Scale 10^{14}Nm; M_{rr}2.67 $M_{\theta\theta}$5.16 $M_{\phi\phi}$-7.83 $M_{r\theta}$-2.50 $M_{\theta\phi}$-6.11 $M_{\phi r}$0.23 NP1:ϕ_s339.00000°,δ72.00000°,λ14.00000°. NP2:ϕ_s244.00000°,δ77.00000°,λ162.00000°. Principal axes: T -102.9900,Plg22.0000°,Azm201.0000°; N 85.7600,Plg67.0000°,Azm30.0000°; P 17.2200,Plg3.0000°,Azm292.0000° $M_0$9.44000$\times10^{14}$
NOU Cook Strait, New Zealand.

WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL III 10 21 05 19.1–.38 41S–3.0 175E–2.0 22–3 2.5L,2.2 ¶614542301
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC III 11 22 39 34.6–1.2 41.85S–.03 174.25E–.03 8–10 96 0-5
WEL III 11 22 39 36.0–.43 42S–3.0 174E–3.0 7–4 3.8L,3.5 ¶612489076
NOU III 11 22 39 37.4 41.98S 174.36E 43 4.1,3.5
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=150.7. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU Cook Strait, New Zealand.
WEL III 12 05 48 02.2–1.1 40S–3.0 174E–8.0 93–9 3.5L,3.2 ¶614542368
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC III 12 08 16 04.0–1.1 41.92S–.03 174.33E–.03 10–8 100 0-5
NOU III 12 08 16 03.7 42.04S 174.54E 13 4.0 ¶612489079
WEL III 12 08 16 04.9–.45 42S–3.0 174E–3.0 11–4 3.5L,3.2
ISC Event type se.
NOU Off E. Coast of S. Island, N.Z.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC III 15 01 57 58.1–1.3 40.75S–.03 174.75E–.03 51–9 102 0-6
NOU III 15 01 57 57.9 40.78S 174.80E 43 3.4 ¶612489102
WEL III 15 01 57 57.5–.42 41S–4.0 175E–3.0 29–4 3.6L,3.3
ISC Event type se.
NOU Cook Strait, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC III 15 08 21 51.8–.97 40.11S–.02 174.95E–.02 18–9 121 0-8
WEL III 15 08 21 51.4–.41 40S–2.0 175E–3.0 19–5 3.7L,3.5 ¶612489106
NOU III 15 08 21 52.9 40.11S 174.94E 63 3.3,3.5
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=85.1. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU Cook Strait, New Zealand.
ISC III 15 09 07 55.6–.93 41.79S–.03 174.33E–.03 23–6 138 0-151
IDC III 15 09 07 52.7–1.9 41.55S 174.19E 0 3.3,3.3b ¶610546244
NOU III 15 09 07 55.3 41.88S 174.53E 14 4.2,3.3b
WEL III 15 09 07 56.2–.28 42S–3.0 174E–2.0 13–2 4.1L,3.8
ISC Event type se.
NOU Cook Strait, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC III 15 11 25 13.9–.59 41.71S–.03 174.31E–.03 28–4 3.4b 121 0-151
IDC III 15 11 25 13.4–3.1 41.74S 174.39E 40–30 3.5,3.4b ¶610546248
NOU III 15 11 25 13.7 41.86S 174.51E 27 4.1,3.4b
WEL III 15 11 25 14.5–.29 42S–3.0 174E–3.0 23–3 4.1L,3.9
ISC Event type se.
NOU Cook Strait, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL III 16 12 44 01.7–.58 41S–4.0 175E–3.0 5–3 2.5L,2.3 ¶614542577
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC III 17 02 24 33.1–1.2 40.11S–.02 174.95E–.02 34–3 147 0-6
WEL III 17 02 24 32.6–.40 40S–2.0 175E–3.0 21–5 4.0L,3.7 ¶612489134
NOU III 17 02 24 33.7 40.11S 174.95E 62 3.7,3.7
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=72.6. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU Cook Strait, New Zealand.
ISC III 17 02 55 03.4–.97 40.10S–.02 174.96E–.02 17–10 113 0-4
WEL III 17 02 55 03.3–.41 40S–2.0 175E–4.0 19–6 3.6L,3.4 ¶612489135
NOU III 17 02 55 04.8 40.11S 174.92E 61 3.2,3.4
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=78.4. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU Cook Strait, New Zealand.
ISC III 17 19 56 15.3–.97 41.83S–.03 174.17E–.03 14–6 94 0-151
IDC III 17 19 56 13.7–1.9 41.80S 173.90E 0 3.2,3.1b ¶610546408
WEL III 17 19 56 16.1–.44 42S–3.0 174E–3.0 8–4 3.6L,3.3
NOU III 17 19 56 16.0 41.86S 174.26E 11 3.8,3.3
ISC Event type se.
IDC Error ellipse: s-maj=50.1km s-min=23.4km az=133.0.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=154.9. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU Cook Strait, New Zealand.
ISC III 17 20 54 09.1–1.3 41.84S–.04 174.37E–.03 4–11 88 0-5
NOU III 17 20 54 09.6 41.88S 174.42E 8 3.8 ¶612489139
WEL III 17 20 54 10.2–.54 42S–4.0 174E–3.0 9–4 3.6L,3.3
ISC Event type se.
NOU Cook Strait, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC III 20 11 47 58.6–1.2 40.14S–.02 174.58E–.02 6–12 159 0-6
WEL III 20 11 47 58.7–.26 40S–2.0 175E–2.0 5–4 4.0L,3.7 ¶612489170
NOU III 20 11 47 59.4 40.11S 174.56E 12 4.0,3.7
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=78.5. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU Cook Strait, New Zealand.
ISC III 20 21 10 24.5–1.3 40.14S–.02 174.59E–.02 2–14 129 0-6
WEL III 20 21 10 24.7–.23 40S–2.0 175E–2.0 5–2 3.9L,3.7 ¶614542827
ISC Event type se.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC III 21 08 25 06.1–1.1 41.98S–.03 174.05E–.03 15–9 81 0-4
NOU III 21 08 25 06.8 42.11S 174.22E 26 3.4 ¶612489183
WEL III 21 08 25 06.9–.33 42S–2.0 174E–3.0 14–3 3.1L,2.8
ISC Event type se.
NOU Off E. Coast of S. Island, N.Z.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL III 21 09 46 02.0–.75 42S–4.0 174E–4.0 8–8 2.6L,2.4 ¶614542853
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC III 21 10 58 18.7–.83 41.82S–.03 174.35E–.03 17–5 4.2b 216 0-151
WEL III 21 10 58 00 41.72S 174.26E 21 4.4L,4.1W ¶610543399
IDC III 21 10 58 16.5–1.0 41.49S 174.04E 0 3.7,3.7b
NOU III 21 10 58 18.6 41.92S 174.57E 16 4.6,3.7b
NEIC III 21 10 58 19.2 41.78S 174.32E 16 4.6,3.7b
NEIC III 21 10 58 19.2–2.0 41.78S–.03 174.32E–.03 16–1 4.3b,4.1
WEL III 21 10 58 19.6–.34 42S–3.0 174E–3.0 12–3 4.6L,4.3
ISC Event type se.
WEL Moment Tensor Solution. s9 Moment tensor: Scale 10^{15}Nm; M_{rr}0.40 $M_{\theta\theta}$1.64 $M_{\phi\phi}$-2.04 $M_{r\theta}$-0.05 $M_{\theta\phi}$0.37 $M_{\phi r}$0.14 NP1:ϕ_s219.00000°,δ87.00000°,λ-179.00000°. NP2:ϕ_s129.00000° ,δ89.00000°,λ-3.00000°. Principal axes: T -208.4700,Plg1.0000°,Azm174.0000° ; N 167.5900,Plg87.0000°,Azm290.0000°; P 40.8800,Plg3.0000°,Azm84.0000° $M_0$1.88000×10^{15}
NOU Cook Strait, New Zealand.

NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}0.30 $M_{\theta\theta}$1.21 $M_{\phi\phi}$-1.51 $M_{r\theta}$0.76 $M_{\theta\phi}$0.59 $M_{\phi r}$0.51 NP1:ϕ_s30.18000°,δ77.66000°,λ150.01000°. NP2:ϕ_s127.21000°,δ60.77000° ,λ14.18000°. Principal axes: T 1.8194,Plg30.0000°,Azm345.0000°; N -0.1202,Plg58.0000° ,Azm190.0000°; P -1.6991,Plg11.0000°,Azm82.0000° $M_0$1.76000×10^{15}
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL III 21 14 34 54.1–.38 41S–3.0 175E–3.0 33 2.5L,2.2 ¶614542864
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC III 21 19 09 49.5–1.4 40.12S–.03 174.96E–.03 29–13 114 0-6
WEL III 21 19 09 48.4–.29 40S–2.0 175E–3.0 12 3.8L,3.5 ¶612489189
NOU III 21 19 09 50.0 40.11S 174.93E 63 3.4,3.5
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=80.9. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU Cook Strait, New Zealand.
ISC III 22 12 17 38.2–.88 41.66S–.03 174.20E–.02 33–3 3.4b 179 0-40
IDC III 22 12 17 34.6–1.8 41.42S 173.90E 0 3.6b,3.5 ¶614542903
WEL III 22 12 17 37.4–.65 42S–5.0 174E–5.0 25–6 4.3L,3.9
NOU III 22 12 17 37.4 41.83S 174.38E 23 4.3,3.9
ISC Event type se.
IDC Error ellipse: s-maj=37.3km s-min=29.0km az=109.0.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=43.8. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU Cook Strait, New Zealand.
ISC III 22 17 44 59.7–.89 41.75S–.03 174.30E–.03 13–6 84 0-5
NOU III 22 17 44 59.4 41.83S 174.40E 11 3.6 ¶612489197
WEL III 22 17 45 00.1–.37 42S–2.0 174E–2.0 7–3 3.2L,3.0
ISC Event type se.
NOU Cook Strait, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL III 22 17 46 38.6–.30 42S–2.0 174E–2.0 8–2 3.7L,3.4 ¶614542918
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL III 23 05 25 15.8 42S–8.0 174E–7.0 10–6 6.4b,6.1 ¶614542948
WEL smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID smi:org.gfz-potsdam.de/geofon/nz3drx. automatic.
ISC III 23 07 51 51.5–.64 41.02S–.03 174.90E–.03 71–4 4.5b 259 0-152
WEL III 23 07 51 00 41.00S 174.92E 64 4.8L,4.3W ¶610424553
IDC III 23 07 51 43.4–.84 40.85S 174.78E 0 4.9L,4.4
NOU III 23 07 51 49.9 41.06S 174.94E 76 4.9,4.4
NEIC III 23 07 51 51 40.98S 174.89E 63 4.9,4.4
NEIC III 23 07 51 51–2.3 40.97S–.05 174.86E–.06 60–4 4.6b,4.4
WEL III 23 07 51 51.4–.62 41S–6.0 175E–4.0 54–9 5.6b,5.1
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s196.01637°,δ70.75199°,λ161.20238°. NP2: ϕ_s292.41873°,δ72.28911°,λ20.24650°. Principal axes: T Plg26.6292°,Azm154.5049° ; N Plg63.3476°,Azm331.9333°; P Plg1.0309°,Azm63.9879°
WEL Moment Tensor Solution. s8 Moment tensor: Scale 10^{15}Nm; M_{rr}1.16 $M_{\theta\theta}$1.58 $M_{\phi\phi}$-2.74 $M_{r\theta}$-1.69 $M_{\theta\phi}$2.75 $M_{\phi r}$0.02 NP1:ϕ_s196.00000°,δ62.00000°,λ163.00000°. NP2:ϕ_s293.00000° ,δ75.00000°,λ29.00000°. Principal axes: T -418.3600,Plg31.0000°,Azm157.0000° ; N 379.9700,Plg58.0000°,Azm318.0000°; P 38.3800,Plg9.0000°,Azm62.0000° $M_0$3.99000×10^{15}
NOU Cook Strait, New Zealand.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}0.49 $M_{\theta\theta}$2.37 $M_{\phi\phi}$-2.87 $M_{r\theta}$-2.07 $M_{\theta\phi}$3.16 $M_{\phi r}$0.19 NP1:ϕ_s197.88000°,δ63.87000°,λ171.52000°. NP2:ϕ_s291.63000°,δ82.39000° ,λ26.38000°. Principal axes: T 4.6538,Plg24.0000°,Azm158.0000°; N -0.0649,Plg63.0000° ,Azm307.0000°; P -4.5889,Plg13.0000°,Azm62.0000° $M_0$4.62000×10^{15}
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC III 24 14 40 20.6–1.1 41.97S–.03 174.10E–.03 13–10 85 0-5
WEL III 24 14 40 21.2–.45 42S–4.0 174E–3.0 11–4 3.3L,3.0 ¶612489219
NOU III 24 14 40 25.6 42.00S 173.61E 14 3.7,3.0
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=150.6. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU South Island, New Zealand.
ISC III 24 19 18 29.2–.86 41.75S–.03 174.30E–.02 17–6 86 0-5
WEL III 24 19 18 28.7–.33 42S–3.0 174E–2.0 12–2 3.1L,2.9 ¶612489225
NOU III 24 19 18 29.7 41.73S 174.26E 0 3.5,2.9
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=158.0. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU Cook Strait, New Zealand.
ISC III 24 20 32 49.6–1.6 40.91S–.03 174.41E–.03 24–17 103 0-5
WEL III 24 20 32 49.8–.28 41S–3.0 174E–2.0 29–3 3.5L,3.2 ¶614543030
NOU III 24 20 32 49.4 40.83S 174.37E 15 3.6,3.2
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=171.9. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU Cook Strait, New Zealand.
ISC III 26 11 17 29.4–1.0 40.09S–.02 174.99E–.02 30–9 4.3b 209 0-50
WEL III 26 11 17 00 40.09S 175.01E 30 4.3L,3.9W ¶611149341
WEL III 26 11 17 29.7 40S–4.0 175E–3.0 30–8 4.7L,4.2
NOU III 26 11 17 29.7 40.13S 174.98E 72 4.5,4.2
NEIC III 26 11 17 29.7–1.2 40.09S–.04 174.99E–.07 28–4 4.3b,4.2
ISC Event type se.
WEL Moment Tensor Solution. s4 Moment tensor: Scale 10^{14}Nm; M_{rr}-0.21 $M_{\theta\theta}$3.09 $M_{\phi\phi}$-2.87 $M_{r\theta}$-3.93 $M_{\theta\phi}$7.32 $M_{\phi r}$1.20 NP1:ϕ_s192.00000°,δ63.00000°,λ-177.00000°. NP2:ϕ_s101.00000° ,δ88.00000°,λ-27.00000°. Principal axes: T 88.1200,Plg17.0000°,Azm150.0000° ; N -90.0600,Plg63.0000°,Azm277.0000°; P 1.9500,Plg20.0000°,Azm53.0000° $M_0$8.91000×10^{14}
WEL Event type se. smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID smi:org.gfz-potsdam.de/geofon/nz3drx. manual. confirmed.
NOU Cook Strait, New Zealand.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL III 27 04 44 28.9–1.1 40S–9.0 173E–6.0 101–12 2.3,2.3 ¶614543164
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL III 27 07 55 47.4–.56 42S–3.0 174E–4.0 5 2.5L,2.1 ¶614543173
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL III 28 04 04 19.6–.41 42S–3.0 175E–2.0 12 2.2L,2.0 ¶614543221
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL III 28 14 14 56.8–.39 42S–3.0 174E–2.0 5 3.0L,2.7 ¶614543258
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL III 28 16 41 36.6–.46 42S–3.0 174E–3.0 12 2.2L,2.0 ¶614543273
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

ISC III 30 16 40 49.3–1.4 40.77S–.04 174.01E–.04 92–8 121 0-5
NOU III 30 16 40 48.9 40.75S 174.04E 101 3.6 ¶612489312
WEL III 30 16 40 50.9 41S–5.0 174E–5.0 71–9 3.5L,3.2
ISC Event type se.
NOU Cook Strait, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID smi:org.gfz-potsdam.de/geofon/nz3drx. manual. confirmed.
WEL III 31 14 44 25.6 41S–3.0 175E–3.0 31–5 3.6L,3.3
¶614563144
WEL Event type se. smi:nz.org.geonet/NonLinLoc. earthModelID smi:nz.org.geonet/nz3drx. manual. confirmed.
WEL IV 02 10 27 12.9–.44 41S–3.0 175E–2.0 17–4 2.4L,2.1
¶614543841
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC IV 06 09 42 49.3–.56 41.77S–.03 174.27E–.02 17–3 4.6b,3.9s 247 0-153
WEL IV 06 09 42 00 41.69S 174.21E 21 5.0L,4.7W ¶610513927
IDC IV 06 09 42 46.6–.70 41.53S 174.11E 0 4.3,4.3b
NOU IV 06 09 42 48.8 41.87S 174.44E 11 5.3,4.3b
NEIC IV 06 09 42 49.1–2.3 41.73S–.05 174.24E–.03 14–1 4.7,4.5b
WEL IV 06 09 42 49.9–.47 42S–3.0 174E–2.0 9–4 5.0L,4.9
NEIC IV 06 09 42 49.5 41.72S 174.24E 17 5.0L,4.9
ISC Event type se.
WEL Moment Tensor Solution. s8 Moment tensor: Scale 10^{16}Nm; M_{rr}0.58 $M_{\theta\theta}$1.18 $M_{\phi\phi}$-1.76 $M_{r\theta}$-0.17 $M_{\theta\phi}$-0.50 $M_{\phi r}$-0.16 NP1:ϕ_s325.00000°,δ79.00000°,λ5.00000°. NP2:ϕ_s234.00000° ,δ85.00000°,λ169.00000°. Principal axes: T -1854.9500,Plg11.0000°,Azm190.0000° ; N 1286.6800,Plg78.0000°,Azm30.0000°; P 568.2700,Plg4.0000°,Azm280.0000° $M_0$1.57000×10^{16}
IDC Error ellipse: s-maj=23.4km s-min=19.5km az=93.0.
NOU Cook Strait, New Zealand.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=2.4km az=156.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.56 $M_{\theta\theta}$0.76 $M_{\phi\phi}$-1.32 $M_{r\theta}$-0.23 $M_{\theta\phi}$-0.36 $M_{\phi r}$-0.09 NP1:ϕ_s327.99000°,δ66.43000°,λ19.65000°. NP2:ϕ_s229.87000° ,δ72.05000°,λ155.15000°. Principal axes: T 0.9459,Plg30.0000°,Azm188.0000° ; N 0.4471,Plg60.0000°,Azm16.0000°; P -1.3931,Plg4.0000°,Azm280.0000° $M_0$1.23000×10^{16}
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=154.5. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se.
ISC IV 06 12 01 28.3–.92 41.79S–.03 174.30E–.03 15–6 87 0-4
NOU IV 06 12 01 27.0 41.92S 174.40E 8 4.0 ¶612489394
WEL IV 06 12 01 29.1–.52 42S–3.0 174E–3.0 10–4 3.6L,3.6
ISC Event type se.
NOU Cook Strait, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 07 03 48 00.5–.88 40S–3.0 175E–3.0 78–8 2.7L,2.3
¶614544149
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC IV 07 19 55 13.6–.90 41.73S–.03 174.11E–.02 17–5 95 0-5
WEL IV 07 19 55 13.6–.33 42S–2.0 174E–2.0 12–2 3.2L,3.0 ¶612489407
NOU IV 07 19 55 16.8 41.77S 173.86E 12 3.8,3.0
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=172.8. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU South Island, New Zealand.
ISC IV 08 09 41 24.7–1.5 40.67S–.04 173.29E–.04 178–9 139 0-6
NOU IV 08 09 41 25.1 40.61S 173.22E 181 3.5 ¶612489410
WEL IV 08 09 41 29.4–.80 41S–3.0 173E–4.0 138–7 3.3,3.3
ISC Event type se.
NOU Cook Strait, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC IV 08 10 03 23.4–.91 41.69S–.03 174.31E–.02 19–3 3.8b 144 0-151
IDC IV 08 10 03 20.8–1.1 41.53S 174.18E 0 3.8b,3.7 ¶610652217
NOU IV 08 10 03 22.6 41.79S 174.41E 8 4.5,3.7
WEL IV 08 10 03 23.3–.45 42S–3.0 174E–3.0 10–4 4.4L,4.2
ISC Event type se.
NOU Cook Strait, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC IV 09 11 30 15.2–.83 41.50S–.03 174.52E–.02 25–6 4.2b 163 0-152
WEL IV 09 11 30 00 41.42S 174.46E 24 4.5L,4.0W ¶610652295
IDC IV 09 11 30 11.9–.94 41.28S 174.39E 0 4.2,4.2b
NOU IV 09 11 30 14.2 41.66S 174.69E 10 4.6,4.2b
NEIC IV 09 11 30 15.5–1.6 41.47S–.02 174.48E–.03 22–7 4.2b,4.2b
ISC Event type se.
WEL Moment Tensor Solution. s5 Moment tensor: Scale 10^{15}Nm; M_{rr}0.51 $M_{\theta\theta}$0.31 $M_{\phi\phi}$-0.83 $M_{r\theta}$-0.56 $M_{\theta\phi}$-0.46 $M_{\phi r}$0.42 NP1:ϕ_s233.00000°,δ51.00000°,λ150.00000°. NP2:ϕ_s343.00000° ,δ67.00000°,λ43.00000°. Principal axes: T 117.3600,Plg46.0000°,Azm205.0000° ; N -14.7700,Plg42.0000°,Azm5.0000°; P -102.5900,Plg10.0000°,Azm105.0000° $M_0$1.10000×10^{15}
NOU Cook Strait, New Zealand.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL IV 10 11 41 34.8–.42 42S–4.0 174E–3.0 12 3.7L,3.5
¶614544349
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 11 03 12 18.9–.99 41S–4.0 173E–6.0 138–7 2.4,2.4
¶614544383
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 14 12 09 18.8–.98 40S–5.0 174E–7.0 152–7 2.2,2.2
¶614544535
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC IV 15 09 36 37.6–.99 40.18S–.02 174.98E–.03 24–9 161 0-6
WEL IV 15 09 36 36.6–.25 40S–1.0 175E–2.0 12 4.1L,3.8 ¶612489473
NOU IV 15 09 36 37.4 40.18S 174.99E 78 3.8,3.8
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=81.0. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU Cook Strait, New Zealand.
ISC IV 15 19 59 05.3–1.0 40.13S–.02 174.88E–.02 33–5 124 0-5
WEL IV 15 19 59 04.4–.22 40S–2.0 175E–2.0 12 3.6L,3.4 ¶612489478
NOU IV 15 19 59 05.6 40.14S 174.85E 67 3.3,3.4
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=67.7. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU Cook Strait, New Zealand.
ISC IV 16 11 40 14.9–1.3 40.89S–.04 174.15E–.03 59 84 0-5
WEL IV 16 11 40 14.5 41S–4.0 174E–4.0 53–7 3.3L,3.0 ¶612489485
NOU IV 16 11 40 15.2 40.90S 174.17E 43 3.5,3.0
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=97.6. smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID smi:org.gfz-potsdam.de/geofon/nz3drx. manual. confirmed.
NOU Cook Strait, New Zealand.
WEL IV 17 07 54 33.9–.35 42S–3.0 174E–2.0 9–4 3.3L,3.1
¶614544675
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 17 08 38 22.0–.42 42S–2.0 174E–2.0 8–3 2.6L,2.3
¶614544676
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 17 09 53 35.8–.32 42S–3.0 174E–2.0 12–3 3.5L,3.3
¶614544684
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC IV 19 18 38 37.3–1.2 41.57S–.03 174.58E–.02 7–13 95 0-5
NOU IV 19 18 38 37.3 41.68S 174.67E 4 3.5 ¶612489513
WEL IV 19 18 38 38.7–.30 41S–3.0 175E–2.0 12 3.3L,3.0
ISC Event type se.
NOU Cook Strait, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC IV 20 00 39 20.2–1.1 41.80S–.03 174.24E–.03 4–10 79 0-5
WEL IV 20 00 39 20.5–.32 42S–3.0 174E–3.0 6–3 3.3L,3.0 ¶612489515
NOU IV 20 00 39 23.5 41.96S 174.28E 27 3.9,3.0
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=136.5. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU Cook Strait, New Zealand.
ISC IV 24 18 06 53.9–.97 41.96S–.03 174.05E–.03 24–8 86 0-4
WEL IV 24 18 06 52.9–.33 42S–2.0 174E–2.0 11–2 3.0L,2.8 ¶612489564
NOU IV 24 18 06 57.2 42.12S 173.68E 22 3.8,2.8
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=139.5. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU South Island, New Zealand.
ISC IV 26 08 20 48.2–1.1 41.84S–.03 174.29E–.03 8–7 143 0-7
WEL IV 26 08 20 00 41.71S 174.23E 14 3.9L,3.7W ¶611400928
NOU IV 26 08 20 48.7 41.93S 174.47E 13 4.4,3.7W
WEL IV 26 08 20 49.9–.32 42S–2.0 174E–2.0 5 4.3L,4.1
ISC Event type ke.
WEL Moment Tensor Solution. s6 Moment tensor: Scale 10^{14}Nm; M_{rr}1.41 $M_{\theta\theta}$3.19 $M_{\phi\phi}$-4.60 $M_{r\theta}$-0.81 $M_{\theta\phi}$-0.38 $M_{\phi r}$0.69 NP1:ϕ_s226.00000°,δ70.00000°,λ168.00000°. NP2:ϕ_s320.00000° ,δ79.00000°,λ20.00000°. Principal axes: T 35.4600,Plg22.0000°,Azm185.0000° ; N 11.4400,Plg67.0000°,Azm347.0000°; P -46.9000,Plg6.0000°,Azm92.0000° $M_0$4.12000×10^{14}
NOU Cook Strait, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 27 08 54 59.5–.28 42S–2.0 174E–2.0 5 2.8L,2.6
¶614545187
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC IV 30 16 37 10.3–.98 40.17S–.02 174.97E–.02 25–9 158 0-6
WEL IV 30 16 37 09.2–.45 40S–2.0 175E–3.0 17–5 4.3L,4.0 ¶612489621
NOU IV 30 16 37 11.0 40.22S 175.00E 65 4.1,4.0
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=88.4. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
NOU Cook Strait, New Zealand.
WEL V 01 14 04 08.3–.43 42S–4.0 174E–3.0 12 3.6L,3.4
¶614545338
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL V 06 01 56 26.9–.45 41S–4.0 174E–3.0 42–5 2.4L,2.3
¶614545519
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL V 07 11 47 52.8–.45 42S–4.0 174E–4.0 10–5 2.9L,2.7
¶614545588
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC V 12 10 14 52.3–1.4 40.52S–.03 174.09E–.04 86–9 90 0-5
NOU V 12 10 14 52.9 40.50S 174.02E 76 3.7 ¶612489695
WEL V 12 10 14 53.3–.56 41S–3.0 174E–3.0 67–8 3.3L,3.0
ISC Event type se.
NOU Cook Strait, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC V 18 16 56 06.8–1.0 41.92S–.03 174.24E–.03 16–7 94 0-5
NOU V 18 16 56 07.2 42.01S 174.42E 22 4.1 ¶612489745
WEL V 18 16 56 07.9–.80 42S–4.0 174E–4.0 14–6 3.8L,3.5
ISC Event type se.
NOU Off E. Coast of S. Island, N.Z.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC V 21 05 42 41.9–.88 41.78S–.03 174.22E–.03 17–5 105 0-7
NOU V 21 05 42 41.6 41.89S 174.40E 19 4.1 ¶612489771
WEL V 21 05 42 42.3–.40 42S–3.0 174E–2.0 10–4 3.6L,3.4
ISC Event type se.
NOU Cook Strait, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL V 22 04 19 27.6–1.0 40S–5.0 173E–6.0 167–7 3.4,3.4
¶614546203
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC V 24 19 50 05.1–.95 41.84S–.03 174.15E–.03 20–4 3.3b 123 0-151
IDC V 24 19 50 02.8–1.7 41.69S 174.14E 0 3.5,3.5b ¶610685312
WEL V 24 19 50 05.7–.43 42S–3.0 174E–3.0 8–4 4.1L,3.9
NOU V 24 19 50 05.4 41.92S 174.39E 14 4.0,3.9
ISC Event type se.
IDC Error ellipse: s-maj=44.4km s-min=25.8km az=136.0.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=115.4. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU Cook Strait, New Zealand.
WEL V 26 13 22 35.3–1.1 40S–4.0 173E–8.0 159–7 3.8,3.8
¶614546553
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC V 27 18 09 01.0–1.1 41.97S–.03 174.21E–.03 12–10 83 0-5
WEL V 27 18 09 01.8–.65 42S–3.0 174E–4.0 7–4 3.1L,3.0 ¶612489855
NOU V 27 18 09 01.3 42.05S 174.35E 18 3.8,3.0
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=122.2. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU Off E. Coast of S. Island, N.Z.
ISC V 29 06 18 58.0–1.1 41.87S–.03 174.37E–.03 10–8 114 0-7
NOU V 29 06 18 58.7 41.94S 174.53E 17 4.0 ¶612489875
WEL V 29 06 18 59.5–.31 42S–3.0 174E–2.0 9–2 3.7L,3.6
ISC Event type se.
NOU Cook Strait, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC V 29 22 46 02.6–.86 41.70S–.03 174.31E–.03 17–6 84 0-3
NOU V 29 22 46 02.0 41.80S 174.46E 9 3.5 ¶612489885
WEL V 29 22 46 02.6–.49 42S–3.0 174E–2.0 11–4 3.4L,3.1
ISC Event type se.
NOU Cook Strait, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC VI 03 22 04 55.6–1.0 41.79S–.03 174.38E–.03 19–3 103 0-151
IDC VI 03 22 04 46.2–9.2 39.01S 176.23E 0 3.3,3.3b ¶612489932
NOU VI 03 22 04 54.7 41.90S 174.59E 14 3.8,3.3b
WEL VI 03 22 04 56.1 42S–3.0 174E–3.0 20–5 3.6L,3.4

ISC Event type se.
NOU Cook Strait, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID smi:org.gfz-potsdam.de/geofon/nz3drx. manual. confirmed.
WEL VI 04 14 26 15.9–.44 41S–4.0 175E–2.0 22–3 2.3L,2.0 ¶614547213
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC VI 05 02 13 28.3–1.2 41.84S–.03 174.33E–.02 14–10 73 0-5
WEL VI 05 02 13 28.6–.62 42S–4.0 174E–4.0 12–6 3.1L,3.0 ¶612489942
NOU VI 05 02 13 29.3 41.79S 174.26E 0 3.8,3.0
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=130.1. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU Cook Strait, New Zealand.
ISC VI 05 08 39 48.2–1.3 41.23S–.04 174.32E–.04 56 67 0-5
WEL VI 05 08 39 48.0–.70 41S–5.0 174E–4.0 44–8 3.2L,3.0 ¶612489944
NOU VI 05 08 39 48.5 41.17S 174.37E 45 3.6,3.0
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=165.3. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU Cook Strait, New Zealand.
ISC VI 06 02 44 32.2–1.1 40.21S–.02 174.48E–.02 19–3 136 1-8
WEL VI 06 02 44 31.6–.26 40S–2.0 175E–2.0 12 4.1L,3.9 ¶612489954
NOU VI 06 02 44 33.1 40.21S 174.48E 63 4.0,3.9
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=97.2. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU Cook Strait, New Zealand.
ISC VI 06 19 02 03.3–.94 41.75S–.03 174.27E–.02 7–6 108 0-5
WEL VI 06 19 02 04.0–.37 42S–4.0 174E–3.0 7–4 3.7L,3.4 ¶612489963
NOU VI 06 19 02 03.6 41.83S 174.41E 5 3.8,3.4
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=153.8. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU Cook Strait, New Zealand.
ISC VI 06 19 09 46.8–.88 41.73S–.03 174.35E–.03 10 85 0-6
WEL VI 06 19 09 47.5–.75 42S–7.0 174E–4.0 4–5 3.4L,3.2 ¶612489964
NOU VI 06 19 09 48.4 41.89S 174.46E 8 3.6,3.2
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=158.4. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU Cook Strait, New Zealand.
ISC VI 07 16 11 34.4–.99 41.94S–.03 174.16E–.03 15–6 3.7b 151 0-151
WEL VI 07 16 11 00 41.87S 174.11E 10 4.0L,3.9W ¶610791411
IDC VI 07 16 11 31.8–1.3 41.59S 174.04E 0 3.8,3.8b
NOU VI 07 16 11 34.9 42.07S 174.40E 20 4.3,3.8b
WEL VI 07 16 11 35.2–.43 42S–3.0 174E–3.0 7–3 4.3L,4.1
ISC Event type ke.
WEL Moment Tensor Solution. s5 Moment tensor: Scale 10^{14}Nm; M_{rr}3.71 $M_{\theta\theta}$0.49 $M_{\phi\phi}$-4.20 $M_{r\theta}$-5.19 $M_{\theta\phi}$0.44 $M_{\phi r}$4.77 NP1:ϕ_s195.00000°,δ21.00000°,λ143.00000°. NP2:ϕ_s321.00000°,δ77.00000°,λ73.00000°. Principal axes: T 86.0600,Plg55.0000°,Azm211.0000° ; N -11.1500,Plg16.0000°,Azm325.0000°; P -74.9200,Plg30.0000°,Azm65.0000° $M_0$8.05000×10^{14}
NOU Off E. Coast of S. Island, N.Z.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC VI 08 02 30 49.1–1.4 40.68S–.03 174.64E–.03 100–8 130 0-6
NOU VI 08 02 30 50.1 40.67S 174.62E 92 3.6 ¶612489974
WEL VI 08 02 30 52.1–.70 41S–5.0 175E–3.0 58–7 3.6L,3.3
ISC Event type se.
NOU Cook Strait, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC VI 12 20 22 35.3–1.0 41.77S–.03 174.34E–.03 20–3 3.3b 95 0-59
WEL VI 12 20 22 35.5–.35 42S–3.0 174E–3.0 11–4 3.7L,3.5 ¶610791741
NOU VI 12 20 22 35.3 41.81S 174.47E 7 4.0,3.5
IDC VI 12 20 22 39.4–1.6 41.19S 173.40E 0 3.6,3.6b
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=143.7. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU Cook Strait, New Zealand.
IDC Error ellipse: s-maj=39.8km s-min=22.9km az=126.0.
ISC VI 14 18 26 04.6–.91 40.27S–.05 173.51E–.05 212–6 161 1-151
IDC VI 14 18 26 03.7–1.2 40.21S 173.62E 193–19 4.0,3.2b ¶610791880
NOU VI 14 18 26 04.0 40.27S 173.58E 224 4.1,3.2b
WEL VI 14 18 26 07.1–1.0 40S–5.0 173E–8.0 190–7 4.0,4.0
ISC Event type se.
NOU Cook Strait, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC VI 18 18 56 12.2–.90 41.67S–.03 174.49E–.02 28 113 0-5
NOU VI 18 18 56 10.3 41.77S 174.64E 6 3.8 ¶612490057
WEL VI 18 18 56 11.4–.35 42S–3.0 174E–2.0 9–3 3.6L,3.4
ISC Event type se.
NOU Cook Strait, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC VI 23 17 49 38.3–1.1 41.25S–.03 174.64E–.03 30–12 124 0-6
NOU VI 23 17 49 38.6 41.31S 174.74E 51 4.1 ¶612490115
WEL VI 23 17 49 39.0 41S–3.0 175E–4.0 39–5 4.1L,3.8
ISC Event type se.
NOU Cook Strait, New Zealand.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID smi:org.gfz-potsdam.de/geofon/nz3drx. manual. confirmed.
ISC VI 24 12 45 58.8–.99 41.68S–.04 174.30E–.03 17–8 46 0-3
WEL VI 24 12 45 59.0–.48 42S–3.0 174E–3.0 7–4 2.8L,2.5 ¶612490121
NOU VI 24 12 46 02.2 41.68S 173.88E 0 3.6,2.5
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=149.8. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU South Island, New Zealand.
ISC VI 25 12 03 57.3–.93 41.81S–.03 174.22E–.03 17–6 100 0-5
WEL VI 25 12 03 57.9–.58 42S–2.0 174E–3.0 9–4 3.3,3.3 ¶612490137
NOU VI 25 12 03 57.2 41.92S 174.42E 18 3.8,3.3
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=91.6. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU Cook Strait, New Zealand.
ISC VI 27 00 30 13.7–1.0 41.79S–.03 174.09E–.03 19–3 75 0-4
WEL VI 27 00 30 14.6–.76 42S–3.0 174E–3.0 9–5 3.0L,2.9 ¶612490146
NOU VI 27 00 30 16.8 41.74S 174.01E 0 3.5,2.9
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=54.7. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU Cook Strait, New Zealand.
ISC VI 27 14 11 51.5–1.0 41.93S–.03 174.38E–.03 13–7 3.6b 145 0-151
IDC VI 27 14 11 50.5–1.7 41.65S 174.05E 0 3.3,3.3b ¶610789576
NOU VI 27 14 11 51.8 42.01S 174.54E 15 3.9,3.3b
NEIC VI 27 14 11 52.5–1.3 41.84S–.04 174.35E–.05 20–8 4.1b,3.3b
WEL VI 27 14 11 53.1–.54 42S–3.0 174E–4.0 8–6 3.7L,3.6
ISC Event type se.
NOU Off E. Coast of S. Island, N.Z.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC VI 30 12 42 06.4–.89 41.80S–.03 174.19E–.03 16–6 79 0-4
WEL VI 30 12 42 06.8–.62 42S–3.0 174E–3.0 7–5 3.2L,3.1 ¶612490176
NOU VI 30 12 42 06.4 41.87S 174.36E 17 3.5,3.1
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=112.4. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
NOU Cook Strait, New Zealand.

(164) Off east coast of South Island.

ISC I 09 02 47 43.1–2.2 42.03S–.07 177.90E–.09 13–13 50 2-6
NOU I 09 02 47 40.9 42.17S 178.29E 0 4.3L ¶612488350
WEL I 09 02 47 48.6–1.0 42S–12 178E–17 74–74 3.9L,3.6
ISC Event type se.
NOU Off E. Coast of S. Island, N.Z.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC I 09 22 55 57.1–1.5 42.11S–.05 177.96E–.07 10 96 2-8
NOU I 09 22 56 00.5 42.04S 178.09E 133 4.4 ¶612488359
WEL I 09 22 56 04.8–.85 42S–11 177E–14 115–31 3.9,3.9
ISC Event type se.
NOU Off E. Coast of S. Island, N.Z.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC I 11 14 49 29.5–3.4 42.06S–.05 177.87E–.07 3–21 3.6b 97 2-94
NOU I 11 14 49 28.9 42.04S 178.05E 0 4.4 ¶610237161
IDC I 11 14 49 31.4–3.8 41.89S 177.72E 0 4.5L,4.0
WEL I 11 14 49 31.6–.69 42S–5.0 178E–5.0 12 4.0L,3.8
ISC Event type se.
NOU Off E. Coast of S. Island, N.Z.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC I 12 01 30 06.5–1.1 42.08S–.04 178.04E–.05 35 139 2-151
NOU I 12 01 30 02.7 42.04S 178.02E 0 4.4L ¶610237217
IDC I 12 01 30 04.5–2.4 41.94S 177.84E 0 4.2L,4.0
WEL I 12 01 30 07.2–.48 42S–3.0 178E–4.0 33 4.2,4.2
ISC Event type se.
NOU Off E. Coast of S. Island, N.Z.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL I 19 19 21 32.7–.49 42S–3.0 174E–3.0 12 3.0L,2.8 ¶614539312
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL I 27 07 33 49.9–.48 42S–4.0 174E–4.0 12 3.2L,3.0 ¶614539799
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL I 27 09 28 15.0–.65 42S–4.0 174E–4.0 12 2.7L,2.4 ¶614539806
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL I 27 09 46 01.2–.40 42S–3.0 174E–3.0 12 3.1L,2.9 ¶614539807
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL I 29 12 32 29.2–.56 42S–4.0 174E–4.0 33 2.7L,2.6 ¶614539935
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC II 15 19 26 19.1–.91 42.04S–.03 174.11E–.03 10 90 0-7
NOU II 15 19 26 19.7 42.25S 174.38E 12 3.8 ¶612488760
WEL II 15 19 26 20.8 42S–4.0 174E–6.0 29–10 3.4L,3.3
ISC Event type se.
NOU Off E. Coast of S. Island, N.Z.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID smi:org.gfz-potsdam.de/geofon/nz3drx. manual. confirmed.
ISC III 01 00 44 04.1–1.3 43.05S–.04 173.20E–.04 6–12 82 0-6
NOU III 01 00 44 03.9 43.09S 173.23E 8 3.8 ¶612488953
WEL III 01 00 44 04.9–.29 43S–2.0 173E–3.0 12–2 3.7,3.7L
ISC Event type se.
NOU Off E. Coast of S. Island, N.Z.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC III 01 16 17 42.6–.97 43.01S–.03 173.21E–.04 11–5 4.4b,3.5s 244 0-154
WEL III 01 16 17 00 42.96S 173.09E 6 4.7L,4.5W ¶610242590
IDC III 01 16 17 41.4–1.0 43.02S 173.11E 0 4.2,4.2b
NEIC III 01 16 17 41.8 43.05S 173.28E 6 4.2,4.2b
NEIC III 01 16 17 41.9–1.6 43.04S–.03 173.26E–.05 7–4 4.6b,4.5
NOU III 01 16 17 43.0 43.06S 173.29E 12 4.9,4.5
WEL III 01 16 17 44.1–.38 43S–3.0 173E–4.0 9–3 4.9L,4.7
ISC Event type se.
WEL Moment Tensor Solution. s11 Moment tensor: Scale 10^{15}Nm; M_{rr}6.21 $M_{\theta\theta}$-3.15 $M_{\phi\phi}$-3.06 $M_{r\theta}$-1.45 $M_{\theta\phi}$-3.33 $M_{\phi r}$-0.96 NP1:ϕ_s42.00000°,δ38.00000°,λ85.00000°. NP2:ϕ_s228.00000°,δ53.00000°,λ94.00000°. Principal axes: T -666.4800,Plg82.0000°,Azm157.0000° ; N 21.1900,Plg3.0000°,Azm45.0000°; P 645.3000,Plg8.0000°,Azm315.0000° $M_0$6.56000×10^{15}
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}5.70 $M_{\theta\theta}$-3.16 $M_{\phi\phi}$-2.55 $M_{r\theta}$-0.84 $M_{\theta\phi}$-3.19 $M_{\phi r}$-1.48 NP1:ϕ_s222.50000°,δ52.94000°,λ83.52000°. NP2:ϕ_s53.17000°,δ37.55000°,λ98.49000°. Principal axes: T 5.9679,Plg81.0000°,Azm103.0000°; N 0.3033,Plg5.0000°,Azm226.0000°; P -6.2712,Plg8.0000°,Azm317.0000° $M_0$6.13000×10^{15}
NOU Off E. Coast of S. Island, N.Z.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC III 01 19 01 01.6–.78 43.01S–.03 173.22E–.03 5–4 5.1b,4.0s 324 0-176
WEL III 01 19 01 00 42.96S 173.10E 6 5.2L,4.8W ¶610476256
NOU III 01 19 01 00.4 43.32S 173.66E 0 4.9b,4.8W
IDC III 01 19 01 00.7–.54 42.85S 173.20E 0 4.7,4.7b
NEIC III 01 19 01 01.2 43.06S 173.20E 12 4.7,4.7b
BJI III 01 19 01 01.0–.00 42.84S 173.28E 11 5.8b,5.1b
NEIC III 01 19 01 01.6–1.4 43.03S–.05 173.20E–.07 8–2 5.0b,4.8
GCMT III 01 19 01 01.0–.40 43.19S–.03 173.04E–.03 12 4.8W,4.8
NEIC III 01 19 01 01.2 43.06S 173.07E 12 4.8W,4.8
NEIC III 01 19 01 02 43.01S 173.18E 10 4.8W,4.8
WEL III 01 19 01 02.7–.33 43S–3.0 173E–3.0 12–3 5.2,5.2
ISC Event type se.
WEL Moment Tensor Solution. s13 Moment tensor: Scale 10^{16}Nm; M_{rr}2.12 $M_{\theta\theta}$-0.47 $M_{\phi\phi}$-1.65 $M_{r\theta}$-0.60 $M_{\theta\phi}$-1.02 $M_{\phi r}$0.03 NP1:ϕ_s16.00000°,δ43.00000°,λ69.00000°. NP2:ϕ_s224.00000°,δ50.00000°,λ108.00000°. Principal axes: T -2253.2700,Plg75.0000°,Azm197.0000° ; N -11.0500,Plg14.0000°,Azm31.0000°; P 2264.3300,Plg4.0000°,Azm301.0000° $M_0$2.26000×10^{16}
NOU Off E. Coast of S. Island, N.Z.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}2.04 $M_{\theta\theta}$-0.60 $M_{\phi\phi}$-1.44 $M_{r\theta}$-0.32 $M_{\theta\phi}$-1.02 $M_{\phi r}$0.14 NP1:ϕ_s223.36000°,δ46.70000°,λ103.30000°. NP2:ϕ_s24.34000°,δ44.90000°,λ76.28000°. Principal axes: T 2.0954,Plg80.0000°,Azm209.0000°; N 0.0291,Plg10.0000°,Azm34.0000°; P -2.1245,Plg1.0000°,Azm304.0000° $M_0$2.11000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s24,c30; s70,c96;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.24±.09 $M_{\theta\theta}$-0.71±.08; $M_{\phi\phi}$-1.53±.07; $M_{r\theta}$-0.14±.26; $M_{\theta\phi}$-0.91±.06; $M_{\phi r}$0.30±.26; Best double couple: NP1:ϕ_s26.00000°,δ48.00000°,λ81.00000°. NP2:ϕ_s219.00000°,δ43.00000°,λ100.00000°. Principal axes: T 2.2800,Plg83.0000°,Azm233.0000°; N -0.1580,Plg7.0000°,Azm32.0000°; P -2.1220,Plg2.0000°,Azm123.0000°

$M_0$2.20100$\times10^{16}$
NEIC Event type se. Moment Tensor Solution.Duration: 1s4 Moment tensor: Scale 10^{16}Nm; M_{rr}2.06 $M_{\theta\theta}$-0.36 $M_{\phi\phi}$-1.69 $M_{r\theta}$0.13 $M_{\theta\phi}$-0.86 $M_{\phi r}$0.01 NP1:ϕ_s29.28000°,δ45.99000°,λ94.51000°. NP2:ϕ_s202.81000°,δ44.19000°,λ85.35000°. Principal axes: T 2.0628,Plg87.0000°,Azm11.0000°; N 0.0518,Plg3.0000°,Azm206.0000°; P -2.1146,Plg1.0000°,Azm116.0000° $M_0$2.09000$\times10^{16}$
NEIC Event type se.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC III 01 19 21 30.7–1.8 43.07S–.05 173.20E–.05 5–17 59 0-5
NOU III 01 19 21 30.9 43.10S 173.20E 6 3.5 **¶612488972**
WEL III 01 19 21 31.8 43S–5.0 173E–9.0 19–13 3.1L,2.9
ISC Event type ke.
NOU Off E. Coast of S. Island, N.Z.
WEL smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID smi:org.gfz-potsdam.de/geofon/nz3drx. automatic.
ISC III 02 12 10 20.5–2.0 43.07S–.05 173.26E–.05 3–19 51 0-5
NOU III 02 12 10 20.0 43.19S 173.34E 0 3.4 **¶612488988**
WEL III 02 12 10 21.8 43S–5.0 173E–9.0 19–13 5.0b,4.3
ISC Event type ke.
NOU Off E. Coast of S. Island, N.Z.
WEL smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID smi:org.gfz-potsdam.de/geofon/nz3drx. automatic.
ISC III 08 20 51 23.6–.97 43.02S–.03 173.18E–.04 12–5 4.0b 88 0-150
WEL III 08 20 51 00 42.98S 173.09E 6 4.1L,3.8W **¶610545834**
IDC III 08 20 51 22.8–1.6 42.91S 173.08E 0 3.7,3.7b
NEIC III 08 20 51 23.7–1.4 43.09S–.04 173.19E–.06 10–1 4.2b,3.7b
WEL III 08 20 51 25.2–.37 43S–3.0 173E–3.0 7–2 4.3L,4.1
ISC Event type se.
WEL Moment Tensor Solution. s4 Moment tensor: Scale 10^{14}Nm; M_{rr}4.63 $M_{\theta\theta}$-2.02 $M_{\phi\phi}$-2.61 $M_{r\theta}$-1.59 $M_{\theta\phi}$-3.20 $M_{\phi r}$3.65 NP1:ϕ_s248.00000°,δ43.00000°,λ136.00000°. NP2:ϕ_s13.00000°,δ62.00000°,λ57.00000°. Principal axes: T 70.0600,Plg58.0000°,Azm235.0000°; N -11.6900,Plg29.0000°,Azm30.0000°; P -58.3600,Plg11.0000°,Azm127.0000° $M_0$6.42000$\times10^{14}$
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC III 09 08 11 43.8–1.1 43.01S–.03 173.23E–.04 11–7 132 0-153
WEL III 09 08 11 00 42.97S 173.10E 7 4.0W,4.0L **¶610545864**
IDC III 09 08 11 43.0–1.2 42.92S 173.13E 0 3.8,3.7b
NOU III 09 08 11 44.6 43.06S 173.21E 7 4.4,3.7b
WEL III 09 08 11 45.3–.43 43S–3.0 173E–4.0 12–3 4.3L,4.0
ISC Event type ke.
WEL Moment Tensor Solution. s6 Moment tensor: Scale 10^{15}Nm; M_{rr}0.89 $M_{\theta\theta}$-0.34 $M_{\phi\phi}$-0.55 $M_{r\theta}$0.29 $M_{\theta\phi}$-0.46 $M_{\phi r}$0.49 NP1:ϕ_s223.00000°,δ29.00000°,λ98.00000°. NP2:ϕ_s34.00000°,δ61.00000°,λ86.00000°. Principal axes: T -108.0000,Plg73.0000°,Azm294.0000°; N 2.4800,Plg4.0000°,Azm36.0000°; P 105.5300,Plg16.0000°,Azm127.0000° $M_0$1.07000$\times10^{15}$
NOU Off E. Coast of S. Island, N.Z.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL III 11 16 25 29.7–.62 43S–4.0 178E–4.0 33 3.9L,3.6
¶614542341
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC III 16 04 37 01.9–1.4 42.37S–.03 174.01E–.04 12–10 125 0-150
IDC III 16 04 37 00.5–1.5 42.07S 173.86E 0 3.7,3.6b **¶610546292**
WEL III 16 04 37 00 42.32S 173.93E 15 3.8W,3.8L
NOU III 16 04 37 02.9 42.41S 174.01E 10 4.1,3.8L
WEL III 16 04 37 03.4–.48 42S–3.0 174E–4.0 12–4 4.0L,3.8
ISC Event type ke.
WEL Moment Tensor Solution. s5 Moment tensor: Scale 10^{14}Nm; M_{rr}3.80 $M_{\theta\theta}$0.47 $M_{\phi\phi}$-4.26 $M_{r\theta}$2.57 $M_{\theta\phi}$-3.06 $M_{\phi r}$2.92 NP1:ϕ_s186.00000°,δ29.00000°,λ59.00000°. NP2:ϕ_s40.00000°,δ66.00000°,λ106.00000°. Principal axes: T -70.7600,Plg66.0000°,Azm338.0000°; N 17.1000,Plg14.0000°,Azm213.0000°; P 53.6500,Plg19.0000°,Azm118.0000° $M_0$6.22000$\times10^{14}$
NOU Off E. Coast of S. Island, N.Z.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC IV 02 11 41 59.5–1.4 42.04S–.03 174.15E–.03 1–13 93 0-7
NOU IV 02 11 42 00.5 42.16S 174.26E 10 3.9 **¶612489351**
WEL IV 02 11 42 01.2–.62 42S–3.0 174E–4.0 5–4 3.6L,3.3
ISC Event type se.
NOU Off E. Coast of S. Island, N.Z.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 06 08 40 45.2–.70 43S–5.0 174E–5.0 33 2.9L,2.5
¶614544103
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 09 16 40 12.9–.62 44S–5.0 179E–5.0 33 3.9L,3.8
¶614544309
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC V 27 14 20 32.7–1.0 43.03S–.04 173.10E–.04 9–7 71 0-6
NOU V 27 14 20 32.8 43.07S 173.09E 7 3.9 **¶612489852**
WEL V 27 14 20 33.4–.53 43S–4.0 173E–4.0 6–4 3.5L,3.2
ISC Event type se.
NOU Off E. Coast of S. Island, N.Z.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

(166) Auckland Islands region.

ISC V 22 20 32 08.5–.73 49.42S–.09 164.46E–.08 10 4.2b,3.7s 88 4-154
IDC V 22 20 32 07.3–1.4 49.33S 164.57E 0 4.0,4.0b **¶610685176**
NEIC V 22 20 32 08.7–2.3 49.5S–.10 164.5E–.10 10–2 4.4b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 22 20 33 36.5–.89 49.4S–.10 164.8E–.10 10 4.1b 50 5-154
IDC V 22 20 33 32.1–1.6 49.68S 164.22E 0 4.2,4.1b **¶610685177**
ISC Event type se.
IDC Error ellipse: s-maj=67.6km s-min=51.9km az=170.0.
ISC V 24 20 14 43.1–.66 49.26S–.08 164.34E–.08 10 3.9b,3.6s 61 3-154
IDC V 24 20 14 40.9–.95 48.84S 164.34E 0 4.1,4.1b **¶610685315**
ISC Event type ke.
IDC Error ellipse: s-maj=31.4km s-min=28.5km az=63.0.
ISC VI 06 04 38 39.6–.84 49.43S–.09 164.12E–.07 15 4.3b,3.7s 77 4-154
IDC VI 06 04 38 37.7–1.1 49.29S 163.90E 0 4.2,4.1b **¶610791319**
NEIC VI 06 04 38 38.7–1.8 49.72S–.06 164.0E–.20 22–6 4.5b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(167) Macquarie Island region.

ISC I 09 00 51 49.7–.35 60.51S–.05 160.00E–.09 10 5.2b,4.7s 159 6-157
IDC I 09 00 51 47.7–.69 60.63S 160.02E 0 4.7s,4.7 **¶610049855**
NEIC I 09 00 51 50.3–2.1 60.53S–.07 159.9E–.10 10–1 5.2b,4.7
GCMT I 09 00 51 55.3–.20 60.49S–.01 160.15E–.03 19–1 5.3W,4.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s40,c49; s111,c170;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.07±.04 $M_{\theta\theta}$-0.86±.03; $M_{\phi\phi}$0.92±.04; $M_{r\theta}$0.66±.10; $M_{\theta\phi}$0.73±.03; $M_{\phi r}$0.03±.07; Best double couple: NP1:ϕ_s243.00000°,δ82.00000°,λ-27.00000°. NP2:ϕ_s337.00000°,δ63.00000°,λ-171.00000°. Principal axes: T 1.2390,Plg12.0000°,Azm293.0000°; N 0.1600,Plg62.0000°,Azm47.0000°; P -1.3990,Plg25.0000°,Azm197.0000° $M_0$1.31900$\times10^{17}$
IDC I 15 00 48 45.8–13 60.64S 161.62E 0 3.6,3.5b
¶610237401
IDC Error ellipse: s-maj=567.2km s-min=41.1km az=75.0.
ISC III 12 17 38 12.6–1.1 55.1S–.10 158.8E–.10 10 4.3b,3.5s 33 1-159
IDC III 12 17 38 10.9–1.2 55.10S 159.14E 0 4.3,4.3b **¶610546086**
NEIC III 12 17 38 12.1–1.4 55.15S–.07 158.6E–.20 10–1 4.3b,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 28 16 07 43.6–.84 55.29S–.10 158.2E–.10 10 4.2b,4.1s 32 1-150
IDC III 28 16 07 41.9–1.1 55.41S 157.80E 0 4.2s,4.1 **¶610543859**
NEIC III 28 16 07 44.8–2.1 55.22S–.08 158.3E–.20 10–2 4.4b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 08 01 19 39.0–.40 53.71S–.05 159.26E–.09 10 4.8b,4.0s 84 1-158
IDC IV 08 01 19 37.8–.63 53.60S 159.22E 0 4.5,4.5b **¶610521469**
NEIC IV 08 01 19 38.9–1.4 53.75S–.03 159.2E–.20 8–4 4.8b,4.5b
GCMT IV 08 01 19 44.9–.30 53.54S–.01 158.86E–.03 18–1 5.0W,4.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s30,c32; s90,c111;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.09±.16 $M_{\theta\theta}$2.80±.13; $M_{\phi\phi}$-2.71±.13; $M_{r\theta}$-0.51±.28; $M_{\theta\phi}$2.00±.10; $M_{\phi r}$-0.32±.31; Best double couple: NP1:ϕ_s207.00000°,δ85.00000°,λ172.00000°. NP2:ϕ_s297.00000°,δ82.00000°,λ5.00000°. Principal axes: T 3.5420,Plg9.0000°,Azm162.0000°; N -0.1730,Plg81.0000°,Azm358.0000°; P -3.3660,Plg3.0000°,Azm252.0000° $M_0$3.45400$\times10^{16}$
ISC V 17 17 34 51.6–.47 53.25S–.06 159.86E–.08 11 4.7b,4.1s 71 1-154
IDC V 17 17 34 50.4–.80 53.21S 159.50E 0 4.5,4.5b **¶610690508**
NEIC V 17 17 34 50.5–2.2 53.37S–.05 159.9E–.20 10–5 4.7b,4.5b
GCMT V 17 17 34 57.5–.20 53.18S–.01 159.34E–.02 19–1 5.0W,4.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s54,c72; s103,c150;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.04±.14 $M_{\theta\theta}$4.24±.12; $M_{\phi\phi}$-4.20±.12; $M_{r\theta}$1.13±.25; $M_{\theta\phi}$1.73±.10; $M_{\phi r}$-0.92±.27; Best double couple: NP1:ϕ_s304.00000°,δ89.00000°,λ-18.00000°. NP2:ϕ_s34.00000°,δ72.00000°,λ-178.00000°. Principal axes: T 4.7670,Plg11.0000°,Azm350.0000°; N 0.0450,Plg72.0000°,Azm119.0000°; P -4.8070,Plg13.0000°,Azm257.0000° $M_0$4.78700$\times10^{16}$
ISC V 18 03 26 17.9–.69 53.28S–.08 159.4E–.10 10 4.3b,3.8s 26 1-150
IDC V 18 03 26 17.8–1.1 53.20S 159.22E 0 4.3L,4.2 **¶610690541**
NEIC V 18 03 26 17.3–1.8 53.34S–.07 159.5E–.20 10–2 4.3b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 01 20 04 10.3–.53 54.38S–.05 159.16E–.05 12–2 5.1b,4.6s 532 0-164
IDC VI 01 20 04 07.9–.67 54.35S 158.96E 0 4.7,4.7b **¶611834023**
NEIC VI 01 20 04 09.6–1.6 54.32S–.10 159.2E–.20 10–1 5.1b,4.7b
MOS VI 01 20 04 10.2–2.1 54.30S 158.67E 11 5.3b,4.7b
GCMT VI 01 20 04 15.6–.20 54.36S–.01 158.55E–.02 31–0 5.2W,4.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s86,c127; s109,c171;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}5.45±.16 $M_{\theta\theta}$0.90±.11; $M_{\phi\phi}$-6.35±.11; $M_{r\theta}$2.92±.17; $M_{\theta\phi}$1.19±.08; $M_{\phi r}$2.34±.16; Best double couple: NP1:ϕ_s16.00000°,δ60.00000°,λ121.00000°. NP2:ϕ_s147.00000°,δ42.00000°,λ49.00000°. Principal axes: T 7.3790,Plg62.0000°,Azm337.0000°; N -0.5260,Plg26.0000°,Azm180.0000°; P -6.8520,Plg10.0000°,Azm85.0000° $M_0$7.11500$\times10^{16}$
ISC VI 03 05 15 46.0–1.9 54.6S–.20 160.3E–.20 10 3.9b,3.5s 7 1-83
IDC VI 03 05 15 43.3–7.8 54.48S 160.69E 0 3.9,3.9b **¶610791148**
ISC Event type ke.
IDC Error ellipse: s-maj=335.6km s-min=27.8km az=71.0.
ISC VI 17 03 18 28.3–.68 55.20S–.06 158.66E–.09 10 4.0b,3.5s 53 1-82
IDC VI 17 03 18 27.3–1.5 55.37S 158.14E 0 4.7L,4.1 **¶610678736**
NEIC VI 17 03 18 30.4–1.3 55.12S–.07 158.33E–.07 23–6 4.3b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 29 21 51 26.4–.77 53.25S–.07 159.6E–.10 10 4.0b 17 1-80
IDC VI 29 21 51 23.6–15 52.80S 161.00E 0 3.8,3.8b **¶610789741**
NEIC VI 29 21 51 25.4–1.4 53.28S–.08 159.6E–.30 10–2 4.1b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

SEISMIC REGION 12.
Kermadec-Tonga-Samoa Area.

(169) Samoa Islands region.

IDC I 19 05 53 06.6–45 15.56S 171.74W 0 4.0,4.0b
¶610237709
IDC Error ellipse: s-maj=881.8km s-min=193.3km az=79.0.
ISC I 21 19 52 29.9–.28 15.56S–.05 172.97W–.06 29 4.9b,4.2s 468 2-154
IDC I 21 19 52 25.6–.53 15.53S 173.12W 0 4.7,4.7b **¶610105040**
MOS I 21 19 52 29.6–1.3 15.67S 173.05W 36 5.0b,4.7b
BGR I 21 19 52 30.5 15.87S 173.07W 33 5.0b,4.7b
NEIC I 21 19 52 31.2–1.8 15.61S–.07 173.0W–.10 37–7 5.0b,4.7b
NOU I 21 19 52 33.4 15.66S 172.63W 38 5.0b,4.7b
GCMT I 21 19 52 38.2–.30 15.65S–.02 172.63W–.02 34–2 5.0W,4.7b
ISC Event type se.
BGR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Samoa Islands Region.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s18,c18; s82,c100;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.87±.24 $M_{\theta\theta}$0.76±.20; $M_{\phi\phi}$-1.64±.22; $M_{r\theta}$-4.02±.40; $M_{\theta\phi}$-0.75±.16; $M_{\phi r}$2.18±.24; Best double couple: NP1:ϕ_s304.00000°,δ89.00000°,λ79.00000°. NP2:ϕ_s210.00000°,δ11.00000°,λ176.00000°. Principal axes: T 5.4570,Plg45.0000°,Azm204.0000°; N -1.6590,Plg11.0000°,Azm304.0000°; P -3.8010,Plg43.0000°,Azm45.0000° $M_0$4.62900$\times10^{16}$
ISC I 27 00 28 58.9–3.7 15.4S–.90 172.9W–.90 29 3.9b 7 2-146
IDC I 27 00 28 56.2–4.1 15.50S 173.12W 0 3.8,3.8b **¶610235422**
ISC Event type ke.
IDC Error ellipse: s-maj=197.4km s-min=23.5km az=139.0.
ISC I 28 16 25 46.1–.99 16.57S–.08 173.0W–.10 100 4.2b 10 3-83
IDC I 28 16 25 44.1–3.5 16.51S 173.66W 55–38 4.1,4.1L **¶610235576**
NEIC I 28 16 25 46.7–2.2 16.6S–.10 172.89W–.08 130–18 4.1b,4.1L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC II 03 11 10 56.2–3.1 15.17S 172.99W 0 3.7,3.7b
¶610414733
IDC Error ellipse: s-maj=150.8km s-min=20.2km az=143.0.
IDC II 03 12 14 18.5–10.0 15.50S 172.83W 0 3.9,3.9b
¶610414738
IDC Error ellipse: s-maj=457.5km s-min=27.0km az=137.0.
IDC II 06 00 49 29.0–6.3 14.24S 174.79W 0 3.4,3.4b
¶610414918
IDC Error ellipse: s-maj=302.5km s-min=36.7km az=139.0.
IDC II 08 01 40 36.2–1.3 13.35S 174.39W 0 3.5s,3.5
¶610415081
IDC Error ellipse: s-maj=49.1km s-min=23.6km az=175.0.
IDC II 14 01 52 19.5–47 16.04S 172.58W 0 4.0,4.0b
¶610415479
IDC Error ellipse: s-maj=910.7km s-min=190.7km az=79.0.

ISC II 17 00 55 48.7–.65 16.14S–.06 173.0W–.10 10 3.8b,3.5s 22 2-147
IDC II 17 00 55 47.9–1.6 15.95S 173.40W 0 4.0L,3.8 ¶610272610
NEIC II 17 00 55 49.8–1.3 16.16S–.06 173.0W–.10 10–1 4.0b,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC II 24 15 44 07.1–1.6 14.92S 175.99W 0 3.7,3.6b
¶610272970
IDC Error ellipse: s-maj=260.3km s-min=25.7km az=165.0.
IDC III 03 08 36 35.6–10 16.56S 171.40W 0 3.8,3.8b
¶610545439
IDC Error ellipse: s-maj=505.4km s-min=61.7km az=143.0.
IDC III 03 22 36 16.1–9.9 16.74S 172.89W 0 3.5,3.5b
¶610545480
IDC Error ellipse: s-maj=438.5km s-min=40.0km az=140.0.
ISC III 14 10 20 28.7–1.9 15.0S–.70 173.2W–.40 29 3.5b 9 2-90
IDC III 14 10 20 23.9–2.0 15.14S 173.21W 0 3.6,3.6b ¶610546195
ISC Event type ke.
IDC Error ellipse: s-maj=124.0km s-min=20.5km az=149.0.
IDC III 16 11 36 56.3–53 15.58S 172.50W 0 4.1,4.1b
¶610546309
IDC Error ellipse: s-maj=1035.0km s-min=186.1km az=79.0.
ISC III 19 01 13 22.1–.49 14.90S–.09 173.85W–.08 10 4.5b,3.8s 54 2-148
IDC III 19 01 13 21.6–.71 14.88S 174.29W 0 4.0,4.0b ¶610440761
NEIC III 19 01 13 22.8–1.8 14.8S–.10 173.87W–.09 10–1 4.5b,4.0b
NOU III 19 01 13 42.0 13.74S 172.68W 67 3.5,4.0b
ISC Event type se.
IDC Error ellipse: s-maj=36.2km s-min=17.6km az=134.0.
NEIC Event type se. Error ellipse: s-maj=21.9km s-min=11.8km az=153.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Samoa Islands.
IDC III 23 18 24 52.7–46 15.24S 171.16W 0 4.0,4.0b
¶610543562
IDC Error ellipse: s-maj=903.1km s-min=196.9km az=79.0.
IDC IV 05 09 55 34.5–2.1 14.20S 173.77W 0 3.5,3.5b
¶610651992
IDC Error ellipse: s-maj=202.4km s-min=25.2km az=167.0.
ISC IV 10 02 13 12.0–1.1 16.8S–.10 172.1W–.20 20 3.7b 9 3-148
IDC IV 10 02 13 08.6–1.4 16.88S 172.01W 0 4.0s,3.8 ¶610652332
ISC Event type ke.
IDC Error ellipse: s-maj=64.5km s-min=22.9km az=145.0.
ISC IV 13 21 21 47.0–3.1 14.8S–.80 175.9W–.80 300 3.3b 6 42-145
IDC IV 13 21 21 49.0–21 14.68S 176.04W 312–189 3.8,3.1b ¶610652661
ISC Event type ke.
IDC Error ellipse: s-maj=180.4km s-min=44.7km az=130.0.
ISC IV 15 21 35 23.9–1.0 14.8S–.30 173.3W–.20 30 3.9b 7 2-148
IDC IV 15 21 35 21.0–1.2 15.11S 173.39W 0 3.6,3.6b ¶610652822
ISC Event type ke.
IDC Error ellipse: s-maj=48.9km s-min=25.2km az=146.0.
IDC IV 20 07 18 23.9–1.7 15.39S 172.85W 0 4.1,4.1b
¶610653101
IDC Error ellipse: s-maj=62.1km s-min=24.2km az=132.0.
IDC IV 20 12 09 57.1–5.0 16.83S 172.03W 0 4.0s,4.0
¶610653114
IDC Error ellipse: s-maj=216.3km s-min=34.8km az=137.0.
ISC IV 24 19 42 44.7–.46 16.58S–.05 171.93W–.08 10 4.6b,3.9s 79 3-150
NEIC IV 24 19 42 44.8–2.3 16.56S–.06 171.89W–.09 10–1 4.6b,3.9s ¶610598444
IDC IV 24 19 42 45.9–.98 16.33S 172.70W 0 4.2,4.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.3km s-min=10.6km az=75.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=44.7km s-min=17.5km az=131.0.
ISC V 09 18 17 15.8–.64 16.89S–.05 172.3W–.10 17 4.5b,3.9s 32 3-150
NEIC V 09 18 17 15.2–1.9 16.87S–.07 172.5W–.10 10–1 4.7b,3.9s ¶610689911
IDC V 09 18 17 17.9–.94 16.92S 173.00W 0 4.0L,3.9s
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=23.6km s-min=9.5km az=74.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=40.8km s-min=19.0km az=138.0.
ISC V 11 17 29 59.8–.47 15.59S–.06 172.90W–.09 29 4.4b,3.8s 60 2-149
IDC V 11 17 29 55.5–1.3 15.79S 172.99W 0 4.6L,4.2 ¶610690073
NEIC V 11 17 29 57.8–2.8 15.55S–.07 173.1W–.10 10–1 4.5b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 14 02 01 50.6–.41 15.30S–.07 172.82W–.09 29 4.6b,3.7s 253 2-160
IDC V 14 02 01 45.6–.70 15.35S 172.95W 0 4.3,4.3b ¶610638590
BGR V 14 02 01 47.9 16.43S 177.46W 33 4.3,4.3b
NEIC V 14 02 01 48.6–1.9 15.30S–.03 172.72W–.09 10–1 4.7b,4.3b
ISC Event type ke.
BGR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC V 17 00 58 54.8–46 15.60S 172.12W 0 4.2,4.2b
¶610690456
IDC Error ellipse: s-maj=904.4km s-min=187.5km az=79.0.
IDC V 17 12 13 03.4–59 15.76S 171.77W 0 4.0,4.0b
¶610690493
IDC Error ellipse: s-maj=1151.0km s-min=209.5km az=80.0.
IDC V 17 12 46 45.5–2.9 14.99S 175.65W 0 3.6,3.6b
¶610690495
IDC Error ellipse: s-maj=294.6km s-min=28.4km az=154.0.
ISC V 19 00 21 50.4–1.9 15.0S–.70 173.2W–.40 35 3.5b 9 2-146
IDC V 19 00 21 45.3–2.1 15.25S 173.06W 0 3.7,3.7b ¶610690630
ISC Event type ke.
IDC Error ellipse: s-maj=115.6km s-min=21.5km az=147.0.
IDC V 19 15 34 50.3–1.3 14.96S 173.20W 0 3.6,3.6b
¶610690681
IDC Error ellipse: s-maj=59.2km s-min=19.2km az=143.0.
ISC V 21 12 00 12.5–5.0 15S–2.0 175.6W–.20 10 3.8b 5 4-83
IDC V 21 12 00 07.8–1.9 15.36S 175.82W 0 4.6s,3.9 ¶610685085
ISC Event type ke.
IDC Error ellipse: s-maj=177.1km s-min=21.2km az=156.0.
IDC V 21 19 43 46.2–1.6 14.64S 175.97W 0 3.7,3.6b
¶610685096
IDC Error ellipse: s-maj=93.1km s-min=25.4km az=156.0.
IDC V 21 21 37 54.1–1.9 14.46S 175.92W 0 4.0,4.0b
¶610685104
IDC Error ellipse: s-maj=227.2km s-min=32.2km az=168.0.
IDC V 23 09 40 57.3–51 15.70S 172.90W 0 3.9,3.9b
¶610685211
IDC Error ellipse: s-maj=978.5km s-min=202.5km az=79.0.
ISC V 25 18 31 22.9–.77 14.7S–.20 173.3W–.10 10 4.3b,3.4s 39 2-146
IDC V 25 18 31 16.2–1.3 15.69S 173.18W 0 4.9L,3.9 ¶610667736
NEIC V 25 18 31 28.3–1.1 14.7S–.20 173.2W–.20 45–9 4.3b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 29 01 56 55.9–.58 16.21S–.09 172.2W–.20 35 4.3b,3.5s 60 2-148
IDC V 29 01 56 50.8–.74 16.34S 172.16W 0 4.0,4.0b ¶610685581
NEIC V 29 01 56 53.0–1.6 16.27S–.04 172.2W–.20 10–1 4.5b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VI 25 11 57 13.0–2.8 14.87S 173.10W 85–50 6.4L,3.4
¶610789444
IDC Error ellipse: s-maj=94.0km s-min=30.1km az=128.0.
IDC VI 26 09 27 37.5–2.8 15.63S 172.63W 0 3.4,3.4b
¶610789500
IDC Error ellipse: s-maj=120.9km s-min=24.5km az=138.0.
ISC VI 30 04 53 13.2–.97 15.3S–.10 172.0W–.20 23 3.7s,3.5b 10 1-147
IDC VI 30 04 53 09.7–1.0 15.32S 171.99W 0 3.6s,3.6 ¶610789759
ISC Event type ke.
IDC Error ellipse: s-maj=38.6km s-min=17.3km az=122.0.
ISC VI 30 22 33 06.5–.69 14.86S–.08 173.29W–.08 10 4.2b 24 2-175
NEIC VI 30 22 33 05.8–1.6 14.81S–.09 173.3W–.10 10–2 4.3b ¶610789815
IDC VI 30 22 33 06.7–.89 15.03S 173.66W 0 4.1,4.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.6km s-min=11.0km az=307.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=51.0km s-min=19.1km az=140.0.

(170) Samoa Islands.

NOU II 17 19 05 39.3 14.58S 172.65W 153 3.8
¶612488782
NOU Samoa Islands.
NOU II 23 00 15 25.6 14.73S 172.08W 86 3.7
¶612488860
NOU Samoa Islands.

(171) South of Fiji Islands.

ISC I 02 08 39 21.1–.59 23.66S–.08 179.95E–.08 535 4.1b 61 6-145
NOU I 02 08 39 21.1 23.57S 179.68W 578 4.2b ¶610236452
IDC I 02 08 39 21.9–1.5 23.53S 179.84E 538–17 4.1,3.2b
NEIC I 02 08 39 22.5–1.4 23.48S–.08 180.0E–.20 563–14 4.2b,3.2b
ISC Event type se.
NOU South of Fiji Islands.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 02 10 15 16.1–.21 23.26S–.03 179.24E–.03 555–1 5.3b 1839 5-170
BJI I 02 10 15 14.4–.00 22.81S 179.48E 540 5.3b,5.1b ¶615092293
NEIC I 02 10 15 15.6–2.3 23.28S–.08 179.26E–.09 548–5 5.3b,5.1b
IDC I 02 10 15 15.7–.37 23.27S 179.17E 547–3 5.8,4.9b
MOS I 02 10 15 15.2–1.3 23.20S 179.11E 548 5.4b,4.9b
NOU I 02 10 15 16.2 23.25S 179.34E 552 5.2L,4.9b
BGR I 02 10 15 17.0 23.39S 179.44W 573–1 5.2L,4.9b
GCMT I 02 10 15 20.6–.10 23.27S–.01 179.27E–.01 568–0 5.9W,4.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU South of Fiji Islands.
BGR Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. Moment Tensor Solution. s153,c318;Duration: 2^s2 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.79±.01 $M_{\theta\theta}$0.62±.01; $M_{\phi\phi}$0.16±.01; $M_{r\theta}$0.17±.01; $M_{\theta\phi}$-0.63±.01; $M_{\phi r}$0.03±.01; Best double couple: NP1: ϕ_s293.00000°,δ50.00000°,λ-106.00000°. NP2:ϕ_s138.00000°,δ43.00000°,λ-71.00000°. Principal axes: T 1.0760,Plg4.0000°,Azm35.0000°; N -0.2470,Plg12.0000°,Azm304.0000° ; P -0.8280,Plg77.0000°,Azm142.0000° $M_0$0.95200×10^{18}
ISC I 02 10 29 30.0–1.0 23.3S–.20 179.2E–.10 550 3.3b 18 14-144
IDC I 02 10 29 36.7–6.9 23.13S 178.90E 630–80 3.8,2.8b ¶610236460
ISC Event type ke.
IDC Error ellipse: s-maj=97.1km s-min=38.7km az=156.0.
ISC I 02 13 14 02.9–.21 23.31S–.03 179.29E–.03 557–1 5.9b 2326 6-170
BJI I 02 13 14 01.4–.00 23.19S 179.25E 550 6.1b,5.7b ¶615092294
NEIC I 02 13 14 02.8–1.8 23.25S–.09 179.24E–.10 552–3 6.3,6.3
MOS I 02 13 14 02.5–.89 23.29S 179.20E 557 6.1b,6.3
IDC I 02 13 14 03.1–.52 23.25S 179.22E 549–4 6.1,5.2b
BGR I 02 13 14 06.3 23.66S 179.31W 596–1 6.1,5.2b
GCMT I 02 13 14 07.8–.10 23.29S–.01 179.29E–.01 573–0 6.3W,5.2b
NEIC I 02 13 14 13 23.34S 179.31E 550 6.3W,5.2b
NEIC I 02 13 14 21.2 23.20S 179.18E 579 6.3W,5.2b
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s317.89999°,δ47.83973°,λ-29.58727°. NP2: ϕ_s68.76192°,δ68.53079°,λ-133.84212°. Principal axes: T Plg12.4632°,Azm188.8688° ; N Plg40.1366°,Azm88.1285°; P Plg47.1736°,Azm292.6645°
NEIC Event type se. Error ellipse: s-maj=13.5km s-min=12.3km az=117.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-1.30 $M_{\theta\theta}$2.75 $M_{\phi\phi}$-1.45 $M_{r\theta}$-0.83 $M_{\theta\phi}$-1.77 $M_{\phi r}$-2.44 NP1:ϕ_s327.43000°,δ63.38000°,λ-31.95000°. NP2:ϕ_s73.04000°,δ61.76000° ,λ-149.43000°. Principal axes: T 3.3965,Plg1.0000°,Azm21.0000°; N 0.9105,Plg49.0000° ,Azm112.0000°; P -4.3070,Plg41.0000°,Azm290.0000° $M_0$3.93000×10^{18}
MOS Error ellipse: s-maj=9.1km s-min=7.7km az=116.0.
IDC Error ellipse: s-maj=7.2km s-min=6.3km az=18.0.
BGR Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to mantle waves, cutoff=125s. Triangular moment-rate function. Moment Tensor Solution. s157,c373; s150,c197; Duration: 3^s5 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.98±.02 $M_{\theta\theta}$2.60±.03; $M_{\phi\phi}$-1.62±.03; $M_{r\theta}$-0.81±.02; $M_{\theta\phi}$-1.88±.02; $M_{\phi r}$-2.29±.02; Best double couple: NP1:ϕ_s330.00000° ,δ65.00000°,λ-29.00000°. NP2:ϕ_s72.00000°,δ64.00000°,λ-152.00000°. Principal axes: T 3.3170,Plg1.0000°,Azm21.0000°; N 0.8650,Plg53.0000°,Azm113.0000° ; P -4.1790,Plg37.0000°,Azm291.0000° $M_0$3.74800×10^{18}
NEIC Event type se. Moment Tensor Solution.Duration: 7^s3 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.84 $M_{\theta\theta}$2.46 $M_{\phi\phi}$-1.62 $M_{r\theta}$-0.86 $M_{\theta\phi}$-1.76 $M_{\phi r}$-2.06 NP1:ϕ_s71.21000°,δ66.68000° ,λ-151.58000°. NP2:ϕ_s329.12000°,δ64.09000°,λ-26.11000°. Principal axes: T 3.1152,Plg2.0000°,Azm200.0000°; N 0.7887,Plg54.0000°,Azm107.0000° ; P -3.9039,Plg36.0000°,Azm291.0000° $M_0$3.51000×10^{18}
NEIC Event type se. Moment Tensor Solution.Duration: 7^s9 Moment tensor: Scale 10^{18}Nm; M_{rr}-1.04 $M_{\theta\theta}$2.73 $M_{\phi\phi}$-1.69 $M_{r\theta}$-0.73 $M_{\theta\phi}$-1.36 $M_{\phi r}$-2.35 NP1:ϕ_s323.50000°,δ62.65000° ,λ-28.99000°. NP2:ϕ_s67.78000°,δ64.50000°,λ-149.40000°. Principal axes: T 3.1175,Plg1.0000°,Azm195.0000°; N 0.9540,Plg51.0000°,Azm104.0000° ; P -4.0715,Plg39.0000°,Azm286.0000° $M_0$3.59000×10^{18}
ISC I 02 15 20 52.5–.56 25.46S–.08 179.93E–.10 493 4.3b 69 7-168
IDC I 02 15 20 52.1–1.7 25.43S 179.90E 489–15 4.4,3.5b ¶610180854
NEIC I 02 15 20 52.5–1.2 25.5S–.10 180.0E–.20 494–9 4.5b,3.5b
NOU I 02 15 20 53.3 25.35S 179.84W 540 4.2b,3.5b
ISC Event type se.
IDC Error ellipse: s-maj=20.9km s-min=17.9km az=132.0.
NEIC Event type se. Error ellipse: s-maj=21.9km s-min=18.8km az=117.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU South of Fiji Islands.
ISC I 03 18 36 53.5–.56 22.4S–.10 177.67W–.07 350 4.2b 38 6-148
IDC I 03 18 36 51.1–8.2 22.49S 177.42W 345–56 4.3,3.6b ¶610236574
NEIC I 03 18 36 55.6–1.8 22.3S–.10 177.6W–.10 381–10 4.3b,3.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 03 19 27 58.7–.34 23.25S–.04 179.27E–.05 558–3 4.8b 481 5-170
BJI I 03 19 27 55.4–.00 23.33S 179.56E 540 5.0b,4.4b ¶610180857
NOU I 03 19 27 58.9 23.18S 179.51E 580 4.9b,4.4b
NEIC I 03 19 27 59.2–1.9 23.25S–.06 179.23E–.10 551–5 5.0b,4.4b
IDC I 03 19 27 59.4–.48 23.25S 179.21E 558–4 4.7,3.9b
ISC Event type se.
NOU South of Fiji Islands.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=7.5km az=72.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=10.0km s-min=9.3km az=97.0.
ISC I 03 21 52 30.0–.31 19.46S–.03 175.95E–.03 12–1 6.6s,6.5b 2426 3-172
MOS I 03 21 52 28.0–.73 19.41S 175.92E 10 6.5s,6.4b ¶610180859
IDC I 03 21 52 28.0–.30 19.44S 175.95E 0 6.4s,6.4L
NEIC I 03 21 52 30.7–1.8 19.37S–.07 176.05E–.07 12–1 6.9,6.8
BJI I 03 21 52 30.5–.00 19.30S 175.95E 20 7.0b,7.0s
NOU I 03 21 52 36.1 19.31S 175.93E 52 7.0L,7.0s
GCMT I 03 21 52 37.7–.00 19.28S 176.00E 17–0 6.9W,7.0s
NEIC I 03 21 52 41 18.93S 176.06E 16 6.9W,7.0s
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s169.48572°,δ37.99354°,λ-126.90472°. NP2: ϕ_s33.10368°,δ60.51251°,λ-64.87145°. Principal axes: T Plg12.0752°,Azm105.2211° ; N Plg21.6936°,Azm200.1031°; P Plg64.8662°,Azm348.0925°

MOS Error ellipse: s-maj=6.9km s-min=6.4km az=59.8.
IDC Error ellipse: s-maj=10.6km s-min=10.1km az=90.0.
NEIC Event type se. Error ellipse: s-maj=13.3km s-min=9.3km az=148.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{19}Nm; M_{rr}-1.19 $M_{\theta\theta}$-0.35 $M_{\phi\phi}$1.55 $M_{r\theta}$0.08 $M_{\theta\phi}$1.05
$M_{\phi r}$-0.06 NP1:ϕ_s217.53000°,δ46.21000°,λ-70.54000°. NP2:ϕ_s10.48000°,δ47.11000°
,λ-109.17000°. Principal axes: T 2.0133,Plg0.0000°,Azm114.0000°; N -0.7940,Plg14.0000°
,Azm24.0000°; P -1.2193,Plg76.0000°,Azm206.0000° $M_0$1.76000×10^{19}
NOU South of Fiji Islands.
GCMT nsta1 refers to body waves, cutoff=50s. nsta2 refers to surface/mantle waves, cutoff=125s.
Triangular moment-rate function. Moment Tensor Solution. s166,c462; s166,c884;
Duration: 7.1 Moment tensor: Scale 10^{19}Nm; M_{rr}-3.02±.01 $M_{\theta\theta}$0.39±.01; $M_{\phi\phi}$2.62±.01;
$M_{r\theta}$-0.22±.03; $M_{\theta\phi}$1.32±.01; $M_{\phi r}$0.00±.02; Best double couple: NP1:ϕ_s29.00000°,δ46.00000°
,λ-84.00000°. NP2:ϕ_s201.00000°,δ44.00000°,λ-96.00000°. Principal axes:
T 3.2350,Plg1.0000°,Azm115.0000°; N -0.2060,Plg4.0000°,Azm205.0000°
; P -3.0360,Plg86.0000°,Azm14.0000° $M_0$3.13500×10^{19}
NEIC Event type se. Moment Tensor Solution.Duration: 20.0 Moment tensor: Scale 10^{19}Nm;
M_{rr}-3.03 $M_{\theta\theta}$0.32 $M_{\phi\phi}$2.71 $M_{r\theta}$-0.68 $M_{\theta\phi}$1.33 $M_{\phi r}$-0.05 NP1:ϕ_s192.00000°,δ43.00000°
,λ-107.00000°. NP2:ϕ_s35.00000°,δ49.00000°,λ-74.00000°. Principal axes:
T 3.3184,Plg3.0000°,Azm114.0000°; N -0.1486,Plg12.0000°,Azm205.0000°
; P -3.1697,Plg78.0000°,Azm11.0000° $M_0$3.25000×10^{19}
ISC I 03 21 55 36.9–.24 19.37S–.06 175.86E–.05 10 5.6b 540 3-172
IDC I 03 21 55 35.0–.36 19.46S 175.88E 0 5.3b,5.2 **¶609975331**
MOS I 03 21 55 35.6–.76 19.38S 175.82E 13 6.6s,5.9b
NEIC I 03 21 55 37.5–1.9 19.40S–.09 175.95E–.08 10–1 5.7b,5.9b
BJI I 03 21 55 38.4–.00 18.88S 175.64E 10 5.4b,5.9b
ISC Event type se.
IDC Error ellipse: s-maj=13.9km s-min=11.8km az=117.0.
MOS Error ellipse: s-maj=11.5km s-min=8.4km az=59.1.
NEIC Event type se. Error ellipse: s-maj=16.3km s-min=10.3km az=145.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 03 22 09 06.2–.67 19.4S–.20 176.3E–.10 10 4.4b 32 2-150
IDC I 03 22 09 03.7–1.8 19.69S 176.42E 0 5.2L,4.1 **¶610236589**
NEIC I 03 22 09 06.5–1.9 19.28S–.09 176.3E–.10 10–1 4.7b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 03 22 12 03.3–.47 19.1S–.10 176.20E–.09 10 4.4b 61 2-150
NEIC I 03 22 12 02.9–1.6 19.2S–.10 176.33E–.07 10–1 4.8b **¶610236590**
IDC I 03 22 12 02.8–.90 18.85S 175.88E 0 4.7L,4.1
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=25.9km s-min=6.9km az=158.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=35.3km s-min=17.4km az=151.0.
ISC I 03 22 12 11.6–1.2 19.1S–.50 176.0E–.30 10 4.5b 10 2-172
IDC I 03 22 12 10.3–1.3 19.08S 175.85E 0 5.4L,4.4 **¶610236593**
ISC Event type ke.
IDC Error ellipse: s-maj=80.8km s-min=17.9km az=153.0.
IDC I 03 22 13 28.9–4.7 19.68S 176.69E 0 3.9,3.9b
¶610236594
IDC Error ellipse: s-maj=169.4km s-min=29.6km az=138.0.
IDC I 03 22 24 28.3–7.1 19.66S 176.31E 0 5.1L,3.7
¶610236595
IDC Error ellipse: s-maj=312.6km s-min=25.8km az=145.0.
ISC I 03 22 32 48.1–.64 19.3S–.10 176.1E–.10 10 4.0b 20 2-172
IDC I 03 22 32 47.6–1.5 18.78S 175.68E 0 3.9b,3.8 **¶609985552**
NEIC I 03 22 32 48.4–.96 19.3S–.20 176.1E–.10 10–1 4.4b,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 03 22 33 35.0–.44 19.44S–.09 176.00E–.09 10 4.5b 56 3-172
IDC I 03 22 33 33.6–.73 19.42S 175.97E 0 4.3,4.3b **¶610236600**
NEIC I 03 22 33 35.5–2.2 19.4S–.10 176.0E–.10 10–1 4.7b,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 03 22 33 46.2–.38 19.03S–.08 176.29E–.07 10 4.9b 153 2-172
IDC I 03 22 33 45.7–.64 19.15S 176.10E 0 5.6L,4.6b **¶610236602**
NEIC I 03 22 33 46.1–2.1 18.99S–.10 176.42E–.07 10–1 4.9b,4.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 03 22 40 14.5–.20 19.20S–.04 176.12E–.04 30 5.7b,5.5s 1258 2-172
IDC I 03 22 40 10.2–.33 19.26S 176.09E 0 5.9L,5.4s **¶615092301**
MOS I 03 22 40 10.2–.74 19.24S 175.99E 11 5.8b,5.4s
BJI I 03 22 40 12.1–.00 18.73S 175.99E 10 6.4b,6.0s
NEIC I 03 22 40 12.6–2.0 19.12S–.08 176.19E–.07 10–1 6.0,5.7b
BGR I 03 22 40 12.1 20.38S 177.11E 33 6.5s,5.7b
GCMT I 03 22 40 16.6–.20 19.13S–.02 176.08E–.01 14–0 6.0W,5.7b
NOU I 03 22 40 18.6 19.22S 176.01E 53 5.5b,5.7b
NEIC I 03 22 40 20.5 19.22S 176.19E 12 5.5b,5.7b
ISC Event type se.
IDC Error ellipse: s-maj=11.1km s-min=10.8km az=90.0.
MOS Error ellipse: s-maj=7.8km s-min=7.8km az=85.9.
NEIC Event type se. Error ellipse: s-maj=13.9km s-min=9.6km az=148.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BGR Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s.
Triangular moment-rate function. Moment Tensor Solution. s53,c74; s129,c310;Duration: 2.5
Moment tensor: Scale 10^{18}Nm; M_{rr}-1.38±.05 $M_{\theta\theta}$0.29±.03; $M_{\phi\phi}$1.10±.03; $M_{r\theta}$-0.04±.07;
$M_{\theta\phi}$0.50±.02; $M_{\phi r}$0.13±.06; Best double couple: NP1:ϕ_s202.00000°,δ47.00000°,λ-95.00000°.
NP2:ϕ_s29.00000°,δ43.00000°,λ-85.00000°. Principal axes: T 1.3400,Plg2.0000°
,Azm295.0000°; N 0.0560,Plg3.0000°,Azm205.0000°; P -1.3890,Plg86.0000°,Azm57.0000°
$M_0$1.36500×10^{18}
NOU South of Fiji Islands.
NEIC Event type se. Moment Tensor Solution.Duration: 4.9 Moment tensor: Scale 10^{18}Nm;
M_{rr}-1.00 $M_{\theta\theta}$0.21 $M_{\phi\phi}$0.79 $M_{r\theta}$-0.06 $M_{\theta\phi}$0.32 $M_{\phi r}$0.45 NP1:ϕ_s192.29000°,δ56.95000°
,λ-102.62000°. NP2:ϕ_s34.60000°,δ35.12000°,λ-71.45000°. Principal axes:
T 1.0080,Plg11.0000°,Azm291.0000°; N 0.1106,Plg11.0000°,Azm199.0000°
; P -1.1185,Plg75.0000°,Azm67.0000° $M_0$1.06000×10^{18}
ISC I 03 22 45 17.1–.52 19.3S–.10 176.03E–.09 10 4.4b 28 2-98
IDC I 03 22 45 15.1–.90 19.35S 176.04E 0 4.9L,4.2 **¶610236605**
NEIC I 03 22 45 17.5–1.5 19.3S–.10 176.16E–.09 10–1 4.8b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC I 03 22 51 18.4–3.2 19.39S 176.01E 0 4.0,4.0b
¶610236607
IDC Error ellipse: s-maj=101.1km s-min=31.2km az=135.0.
ISC I 03 23 03 00.3–.64 19.2S–.10 176.0E–.10 10 4.2b 21 2-147
IDC I 03 23 02 59.4–.77 19.24S 175.86E 0 4.1,4.1b **¶609975336**
ISC Event type ke.
IDC Error ellipse: s-maj=26.8km s-min=21.4km az=149.0.
ISC I 03 23 03 50.9–.30 19.27S–.06 176.12E–.06 10 5.4s,5.2b 502 2-172
BJI I 03 23 03 49.1–.00 19.19S 176.02E 6 5.8b,5.7s **¶610236614**
MOS I 03 23 03 50.1–1.1 19.24S 175.89E 10 5.2b,5.7s
NEIC I 03 23 03 52.5–2.0 19.23S–.08 176.20E–.08 19–1 5.3b,5.7s
IDC I 03 23 03 55.0–4.9 19.31S 175.96E 33–35 4.8,4.6b
ISC Event type se.
MOS Error ellipse: s-maj=9.4km s-min=9.1km az=114.7.
NEIC Event type se. Error ellipse: s-maj=14.2km s-min=8.1km az=136.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=19.1km s-min=13.8km az=134.0.
ISC I 03 23 05 21.8–.54 19.1S–.10 176.2E–.10 30 4.4b 35 2-147
IDC I 03 23 05 18.1–.79 19.20S 176.00E 0 4.8s,4.2 **¶610236616**
NEIC I 03 23 05 18.7–1.6 19.1S–.20 176.2E–.10 10–1 4.6b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 03 23 15 39.7–1.3 19.0S–.20 176.2E–.10 10 3.6b 8 2-91
IDC I 03 23 15 37.4–2.4 19.48S 176.15E 0 4.5L,3.7 **¶610236617**
ISC Event type ke.
IDC Error ellipse: s-maj=144.4km s-min=25.1km az=153.0.
ISC I 03 23 29 05.4–2.0 19.2S–.70 176.1E–.40 35 3.6b 7 2-98
IDC I 03 23 28 58.2–2.3 19.68S 176.13E 0 4.3L,3.7b **¶610236622**
ISC Event type ke.
IDC Error ellipse: s-maj=134.4km s-min=23.0km az=152.0.
ISC I 03 23 30 59.9–.46 19.18S–.10 176.05E–.09 30 4.2b 38 2-172
NEIC I 03 23 30 56.3–1.9 19.2S–.20 176.0E–.10 10–1 4.5b **¶610236623**
IDC I 03 23 30 56.4–.78 19.00S 175.79E 0 4.2L,4.1
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=32.1km s-min=4.2km az=323.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=32.6km s-min=19.8km az=143.0.
ISC I 03 23 34 12.0–.31 19.08S–.06 176.29E–.06 10 5.5b,5.1s 564 2-172
MOS I 03 23 34 09.7–1.2 19.14S 176.20E 10 5.3b,5.1s **¶609975339**
BJI I 03 23 34 10.0–.00 19.00S 176.20E 5 5.9b,5.7s
IDC I 03 23 34 11.0–.57 19.10S 176.08E 0 5.0s,4.7
NOU I 03 23 34 12.1 19.06S 176.32E 0 5.1b,4.7
NEIC I 03 23 34 13.1–2.6 19.0S–.10 176.29E–.08 19–3 5.5b,4.7
ISC Event type se.
NOU South of Fiji Islands.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 03 23 37 42.9–1.1 19.0S–.30 176.2E–.20 30 4.0b 17 2-147
IDC I 03 23 37 38.4–1.3 19.00S 176.04E 0 3.9,3.9b **¶610236624**
ISC Event type ke.
IDC Error ellipse: s-maj=58.6km s-min=20.4km az=152.0.
ISC I 03 23 41 31.9–.47 19.2S–.10 176.00E–.09 10 4.7b 76 2-172
IDC I 03 23 41 30.3–.62 19.43S 175.89E 0 4.6,4.6b **¶610236625**
NEIC I 03 23 41 32.4–2.4 19.2S–.10 176.1E–.10 10–1 4.9b,4.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 03 23 46 12.1–.35 19.20S–.06 176.20E–.06 10 4.9b,4.6s 219 2-172
IDC I 03 23 46 10.6–.61 19.32S 176.11E 0 4.6b,4.5s **¶609975341**
BJI I 03 23 46 11.0–.00 19.10S 176.30E 5 5.7s,5.5
NEIC I 03 23 46 12.3–1.6 19.18S–.03 176.32E–.07 10–1 5.1b,5.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 03 23 47 12.8–.38 19.34S–.07 176.15E–.08 10 4.8b 102 2-172
IDC I 03 23 47 11.5–.71 19.28S 175.96E 0 4.4,4.4b **¶610236628**
NEIC I 03 23 47 12.7–2.0 19.4S–.10 176.2E–.10 10–1 5.0b,4.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 03 23 56 05.2–.37 19.00S–.08 176.25E–.07 10 4.8b 188 2-172
IDC I 03 23 56 03.7–.53 19.01S 176.07E 0 4.8L,4.4b **¶609975342**
NEIC I 03 23 56 05.2–2.4 19.0S–.10 176.34E–.10 10–1 5.0b,4.4b
BJI I 03 23 56 06.0–.00 18.59S 176.09E 10 5.5s,5.3
ISC Event type se.
IDC Error ellipse: s-maj=22.5km s-min=14.9km az=133.0.
NEIC Event type se. Error ellipse: s-maj=24.1km s-min=10.1km az=147.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 04 00 03 53.5–.52 19.3S–.10 176.16E–.09 10 4.3b 41 2-172
NEIC I 04 00 03 52.7–1.8 19.4S–.10 176.28E–.10 10–1 4.5b **¶610236631**
IDC I 04 00 03 53.0–.75 19.30S 175.83E 0 4.1,4.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=25.2km s-min=10.8km az=150.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=35.2km s-min=20.0km az=145.0.
ISC I 04 00 08 20.9–4.4 19.8S–.90 176.3E–.70 10 3.7b 6 3-89
IDC I 04 00 08 22.2–6.2 19.35S 175.80E 0 3.8,3.8b **¶610236632**
ISC Event type ke.
IDC Error ellipse: s-maj=236.1km s-min=33.8km az=142.0.
ISC I 04 00 08 59.2–.61 19.25S–.10 176.27E–.10 10 4.3b 30 2-172
NEIC I 04 00 08 58.2–2.4 19.2S–.10 176.45E–.08 10–1 4.6b **¶609975345**
IDC I 04 00 08 59.4–.89 19.50S 175.85E 0 4.1,4.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.5km s-min=11.6km az=154.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=33.0km s-min=21.6km az=140.0.
ISC I 04 00 09 42.9–.28 19.08S–.06 176.22E–.05 10 5.4b,4.9s 776 2-172
BJI I 04 00 09 39.8–.00 19.00S 176.30E 5 5.9b,5.3b **¶610236634**
IDC I 04 00 09 41.5–.41 19.12S 176.08E 0 5.1b,5.0
BGR I 04 00 09 41.3 19.71S 177.12E 10 5.1b,5.0
MOS I 04 00 09 42.0–1.1 18.97S 175.96E 10 5.4b,5.0
NEIC I 04 00 09 43.5–1.8 18.9S–.10 176.33E–.08 19–1 5.4b,5.0
NOU I 04 00 09 46.6 19.10S 176.37E 42 5.3b,5.0
ISC Event type se.
IDC Error ellipse: s-maj=14.9km s-min=12.5km az=135.0.
BGR Event type ke.
MOS Error ellipse: s-maj=10.4km s-min=9.0km az=40.4.
NEIC Event type se. Error ellipse: s-maj=16.3km s-min=8.8km az=153.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU South of Fiji Islands.
IDC I 04 00 23 53.6–3.0 19.20S 175.64E 0 3.5b,3.4
¶610236643
IDC Error ellipse: s-maj=340.8km s-min=38.0km az=162.0.
ISC I 04 00 26 48.3–.40 19.41S–.08 176.05E–.08 10 4.7b 85 3-172
IDC I 04 00 26 47.5–.63 19.36S 175.85E 0 4.3,4.3b **¶610236644**
NEIC I 04 00 26 48.4–1.9 19.4S–.10 176.1E–.10 10–1 4.8b,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 04 00 30 34.1–.56 19.3S–.10 175.97E–.09 10 4.3b 28 3-172
IDC I 04 00 30 33.9–.94 19.23S 175.74E 0 4.1,4.1b **¶610236645**
NEIC I 04 00 30 33.1–2.4 19.3S–.20 176.0E–.10 10–1 4.3b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 04 00 32 10.5–2.4 19.1S–.50 176.0E–.30 10 3.7b 6 2-88
IDC I 04 00 32 11.1–4.2 18.89S 175.65E 0 3.8,3.8b **¶610236646**
ISC Event type ke.
IDC Error ellipse: s-maj=130.8km s-min=38.4km az=139.0.
ISC I 04 01 16 58.1–.52 19.21S–.10 176.35E–.09 10 4.3b 30 2-150
NEIC I 04 01 16 57.4–1.5 19.2S–.10 176.3E–.10 10–1 4.5b **¶610236651**
IDC I 04 01 16 58.8–.87 19.23S 175.87E 0 4.1,4.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=30.8km s-min=6.5km az=323.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=34.2km s-min=20.7km az=139.0.
ISC I 04 02 33 04.0–.39 19.25S–.08 176.15E–.08 10 4.8b,3.6s 198 2-167
BJI I 04 02 33 01.8–.00 19.39S 176.45E 10 5.3b,4.9s **¶609985557**
IDC I 04 02 33 02.9–.72 19.26S 175.87E 0 4.4b,4.3
NEIC I 04 02 33 03.9–1.2 19.2S–.10 176.2E–.10 10–1 4.9b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 04 02 33 34.1–.81 23.5S–.10 179.8E–.10 600 4.3b 27 6-150

IDC I 04 02 33 34.7–5.8 23.39S 179.80E 592–68 4.2,3.3b ¶610236658
NEIC I 04 02 33 34.2–.71 23.8S–.20 179.7E–.10 571–20 4.3b,3.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 04 03 10 50.9–.26 19.32S–.05 176.12E–.05 10 5.3b,4.7s 634 2-167
MOS I 04 03 10 49.9–1.3 19.34S 176.05E 10 5.4b,4.7s **¶609975356**
IDC I 04 03 10 49.5–.51 19.40S 176.08E 0 5.4L,4.9
BJI I 04 03 10 49.0–.00 19.20S 176.20E 5 5.6b,5.2b
NEIC I 04 03 10 51.0–1.6 19.27S–.09 176.20E–.08 10–1 5.3b,5.2b
GCMT I 04 03 10 54.0–.20 19.23S–.03 175.95E–.01 14–0 5.3W,5.2b
BGR I 04 03 10 55.0 17.92S 178.43E 10 5.3W,5.2b
ISC Event type se.
MOS Error ellipse: s-maj=9.6km s-min=8.7km az=59.9.
IDC Error ellipse: s-maj=17.9km s-min=13.6km az=136.0.
NEIC Event type se. Error ellipse: s-maj=18.3km s-min=9.7km az=143.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s38,c43; s118,c178;Duration: 1ṣ1 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.38±.08 $M_{\theta\theta}$0.31±.04; $M_{\phi\phi}$1.07±.05; $M_{r\theta}$0.17±.12; $M_{\theta\phi}$0.40±.03; $M_{\phi r}$0.27±.09; Best double couple: NP1:ϕ_s205.00000°,δ52.00000°,λ-88.00000°. NP2:ϕ_s22.00000°,δ38.00000°,λ-93.00000°. Principal axes: T 1.2800,Plg7.0000° ,Azm294.0000°; N 0.1370,Plg2.0000°,Azm24.0000°; P -1.4190,Plg83.0000°,Azm128.0000° $M_0$1.35000×10^{17}
BGR Event type ke.
ISC I 04 03 35 14.4–.68 19.0S–.20 176.1E–.10 10 4.1s,3.9b 23 2-150
IDC I 04 03 35 13.1–1.0 18.97S 175.83E 0 4.7L,4.1s **¶610101543**
ISC Event type ke.
IDC Error ellipse: s-maj=39.1km s-min=22.6km az=146.0.
ISC I 04 03 57 12.9–.74 19.1S–.20 175.8E–.10 10 4.1b 23 3-150
IDC I 04 03 57 10.7–.87 19.07S 175.81E 0 4.2,4.1b **¶610236667**
ISC Event type ke.
IDC Error ellipse: s-maj=34.0km s-min=18.9km az=144.0.
ISC I 04 04 01 20.1–.26 19.03S–.05 176.31E–.04 10 5.2b,4.7s 820 2-159
BJI I 04 04 01 17.7–.00 19.02S 176.16E 7 5.8b,5.1b **¶609975357**
IDC I 04 04 01 19.3–.48 19.01S 176.08E 0 4.9,4.9b
MOS I 04 04 01 19.5–1.4 18.97S 176.17E 10 5.2b,4.9b
NEIC I 04 04 01 20.3–1.4 19.0S–.10 176.35E–.08 10–1 5.3b,4.9b
NOU I 04 04 01 22.6 19.02S 176.38E 22 5.1b,4.9b
BGR I 04 04 01 22.6 18.46S 177.63E 10 5.1b,4.9b
GCMT I 04 04 01 24.3–.20 18.97S–.02 176.17E–.01 12 5.4W,4.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU South of Fiji Islands.
BGR Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s72,c97; s120,c215;Duration: 1ṣ2 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.31±.03 $M_{\theta\theta}$-0.15±.03; $M_{\phi\phi}$1.46±.02; $M_{r\theta}$-0.69±.09; $M_{\theta\phi}$0.27±.02; $M_{\phi r}$-0.08±.07; Best double couple: NP1:ϕ_s32.00000°,δ54.00000°,λ-59.00000°. NP2:ϕ_s167.00000°,δ46.00000°,λ-125.00000°. Principal axes: T 1.5170,Plg4.0000° ,Azm101.0000°; N 0.1110,Plg25.0000°,Azm193.0000°; P -1.6300,Plg65.0000°,Azm2.0000° $M_0$1.57400×10^{17}
ISC I 04 05 36 09.1–.64 19.29S–.05 176.05E–.04 12–3 5.4b,4.6s 715 2-167
BGR I 04 05 36 06.7 20.05S 176.66E 10 5.4b,4.6s **¶610570409**
IDC I 04 05 36 07.0–.46 19.37S 175.90E 0 6.8L,4.9
BJI I 04 05 36 07.4–.00 18.92S 176.20E 6 5.6b,5.2s
MOS I 04 05 36 07.4–1.1 19.34S 175.87E 10 5.5b,5.2s
NEIC I 04 05 36 09.1–2.5 19.13S–.09 176.00E–.07 10–1 5.5b,5.3
NOU I 04 05 36 10.1 19.21S 176.10E 4 5.1b,5.3
GCMT I 04 05 36 13.1–.10 19.31S–.01 175.88E–.01 12 5.3W,5.3
NEIC I 04 05 36 16.7 19.13S 176.00E 12 5.3W,5.3
ISC Event type se.
BGR Event type ke.
IDC Error ellipse: s-maj=15.6km s-min=12.9km az=163.0.
MOS Error ellipse: s-maj=9.6km s-min=8.1km az=44.0.
NEIC Event type se. Error ellipse: s-maj=16.3km s-min=10.1km az=152.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU South of Fiji Islands.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s88,c127; s138,c230;Duration: 1ṣ1 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.11±.01 $M_{\theta\theta}$0.40±.01; $M_{\phi\phi}$0.71±.01; $M_{r\theta}$-0.20±.05; $M_{\theta\phi}$0.40±.01; $M_{\phi r}$0.25±.05; Best double couple: NP1:ϕ_s201.00000°,δ49.00000°,λ-107.00000°. NP2:ϕ_s47.00000°,δ44.00000°,λ-71.00000°. Principal axes: T 0.9920,Plg3.0000° ,Azm303.0000°; N 0.1960,Plg13.0000°,Azm213.0000°; P -1.1830,Plg77.0000°,Azm45.0000° $M_0$1.08800×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 2ṣ3 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.06 $M_{\theta\theta}$0.44 $M_{\phi\phi}$0.62 $M_{r\theta}$0.26 $M_{\theta\phi}$0.43 $M_{\phi r}$-0.25 NP1:ϕ_s23.67000°,δ47.91000° ,λ-111.67000°. NP2:ϕ_s234.33000°,δ46.40000°,λ-67.76000°. Principal axes: T 0.9709,Plg1.0000°,Azm129.0000°; N 0.1919,Plg16.0000°,Azm39.0000° ; P -1.1627,Plg74.0000°,Azm222.0000° $M_0$1.07000×10^{17}
ISC I 04 05 57 18.1–.90 19.0S–.30 176.2E–.20 10 4.0b 7 2-91
IDC I 04 05 57 17.1–1.1 19.15S 176.09E 0 4.0,4.0b **¶610236673**
ISC Event type ke.
IDC Error ellipse: s-maj=47.0km s-min=28.6km az=146.0.
ISC I 04 05 58 44.0–.28 19.45S–.05 176.05E–.05 10 5.3b,4.6s 501 3-167
BJI I 04 05 58 41.4–.00 19.23S 176.34E 6 5.4b,5.1s **¶609975359**
IDC I 04 05 58 42.4–.51 19.37S 175.98E 0 5.3L,4.7
BGR I 04 05 58 42.1 19.75S 177.83E 10 5.3L,4.7
MOS I 04 05 58 43.3–1.1 19.40S 175.97E 15 5.3b,4.7
NEIC I 04 05 58 44.1–2.0 19.39S–.09 176.05E–.08 10–1 5.3b,4.7
GCMT I 04 05 58 48.1–.20 19.28S–.02 175.89E–.01 12 5.2W,4.7
ISC Event type se.
BGR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s73,c97; s124,c207;Duration: 1ṣ0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.76±.01 $M_{\theta\theta}$0.17±.01; $M_{\phi\phi}$0.58±.01; $M_{r\theta}$0.00±.05; $M_{\theta\phi}$0.29±.01; $M_{\phi r}$0.02±.04; Best double couple: NP1:ϕ_s206.00000°,δ46.00000°,λ-91.00000°. NP2:ϕ_s28.00000°,δ44.00000°,λ-89.00000°. Principal axes: T 0.7360,Plg1.0000° ,Azm297.0000°; N 0.0210,Plg1.0000°,Azm207.0000°; P -0.7560,Plg89.0000°,Azm80.0000° $M_0$0.74600×10^{17}
ISC I 04 06 28 46.2–.50 24.32S–.08 179.68E–.08 531 4.4b 69 11-145
NEIC I 04 06 28 46.4–1.7 24.3S–.10 179.7E–.10 528–12 4.5b **¶609997959**
IDC I 04 06 28 47.0–1.6 24.07S 179.56E 532–16 4.5,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.1km s-min=16.0km az=150.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=21.2km s-min=13.3km az=162.0.
ISC I 04 14 31 17.7–.34 19.23S–.06 176.16E–.06 10 5.1b,3.7s 385 2-150
IDC I 04 14 31 16.5–.70 19.18S 175.96E 0 4.8,4.8b **¶609978258**
MOS I 04 14 31 17.5–1.2 19.19S 175.83E 10 5.1b,4.8b
NEIC I 04 14 31 17.4–1.7 19.2S–.10 176.24E–.06 10–1 5.1b,4.8b
BJI I 04 14 31 18.5–.00 18.74S 175.95E 10 5.3b,5.3s
NOU I 04 14 31 20.4 19.27S 176.29E 26 5.0b,5.3s
ISC Event type se.
IDC Error ellipse: s-maj=20.6km s-min=15.3km az=140.0.
MOS Error ellipse: s-maj=12.0km s-min=9.8km az=126.0.
NEIC Event type se. Error ellipse: s-maj=20.4km s-min=3.0km az=151.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU South of Fiji Islands.
ISC I 04 17 25 37.9–.93 19.5S–.20 176.1E–.10 10 4.0b,3.5s 10 3-147
IDC I 04 17 25 36.7–1.8 19.36S 175.94E 0 4.5L,4.1 **¶610101550**
ISC Event type ke.
IDC Error ellipse: s-maj=81.8km s-min=20.5km az=148.0.
ISC I 04 19 55 03.8–.59 25.61S–.08 179.77E–.08 493 4.2b 58 4-150
NEIC I 04 19 55 03.7–1.6 25.7S–.10 179.9E–.20 483–12 4.3b **¶610180861**
IDC I 04 19 55 04.2–1.6 25.67S 179.75E 500–19 4.2,3.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.1km s-min=19.4km az=100.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=22.4km s-min=12.8km az=159.0.
ISC I 04 22 08 13.5–1.4 23.7S–.20 179.9W–.20 500 3.9b 6 15-142
IDC I 04 22 08 12.7–3.4 23.58S 179.95W 490–34 4.2,3.3b **¶610236738**
ISC Event type ke.
IDC Error ellipse: s-maj=38.7km s-min=28.4km az=7.0.
ISC I 05 00 25 52.3–.51 19.1S–.10 175.92E–.09 10 4.4b,3.3s 37 2-150
IDC I 05 00 25 51.7–.86 19.16S 175.75E 0 4.1,4.1b **¶610101552**
NEIC I 05 00 25 51.6–1.7 19.1S–.20 176.1E–.10 10–1 4.6b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 05 05 04 46.8–.54 19.3S–.10 176.10E–.10 10 4.1b,3.5s 30 2-147
IDC I 05 05 04 44.9–.96 19.32S 175.93E 0 4.5L,4.1 **¶610101562**
NEIC I 05 05 04 47.1–1.0 19.3S–.20 176.2E–.10 10–1 4.2b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 05 09 29 55.1–1.7 22.5S–.20 179.6W–.30 450 3.5b 9 5-147
IDC I 05 09 29 53.5–8.2 22.69S 179.42W 435–58 4.0,3.1b **¶610236767**
ISC Event type ke.
IDC Error ellipse: s-maj=138.3km s-min=23.1km az=139.0.
ISC I 05 12 50 59.8–.79 19.0S–.20 176.0E–.10 10 4.1b,3.4s 11 2-98
IDC I 05 12 50 58.3–.98 19.05S 175.95E 0 4.5L,4.0 **¶610101585**
ISC Event type ke.
IDC Error ellipse: s-maj=36.0km s-min=19.3km az=149.0.
IDC I 05 13 11 40.0–3.9 19.62S 176.37E 0 3.8,3.8b
¶610236774
IDC Error ellipse: s-maj=190.4km s-min=41.0km az=148.0.
ISC I 05 13 44 56.1–.36 19.31S–.07 176.01E–.06 35 4.8b,3.8s 265 2-160
IDC I 05 13 44 51.6–.69 19.23S 175.88E 0 4.7,4.6b **¶610050473**
NEIC I 05 13 44 52.3–2.0 19.17S–.07 176.11E–.09 10–1 4.9b,4.6b
GCMT I 05 13 44 55.3–.30 19.44S–.03 175.93E–.02 14–1 4.8W,4.6b
BGR I 05 13 44 57.4 19.22S 176.48E 33 4.8W,4.6b
BJI I 05 13 45 05.0–.00 18.58S 175.09E 69 5.1b,5.0s
ISC Event type se.
IDC Error ellipse: s-maj=22.8km s-min=16.2km az=135.0.
NEIC Event type se. Error ellipse: s-maj=16.6km s-min=9.6km az=305.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s31,c35; s92,c117;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.08±.13 $M_{\theta\theta}$0.74±.09; $M_{\phi\phi}$1.33±.09; $M_{r\theta}$-0.98±.24; $M_{\theta\phi}$0.73±.05; $M_{\phi r}$0.23±.17; Best double couple: NP1:ϕ_s54.00000°,δ54.00000°,λ-66.00000°. NP2:ϕ_s198.00000°,δ42.00000°,λ-119.00000°. Principal axes: T 1.8570,Plg6.0000° ,Azm128.0000°; N 0.5770,Plg19.0000°,Azm220.0000°; P -2.4410,Plg70.0000°,Azm21.0000° $M_0$2.14900×10^{16}
BGR Event type ke.
ISC I 05 17 12 46.7–1.2 22.6S–.10 179.6W–.20 579 4.2b 31 5-147
NEIC I 05 17 12 41.8–.81 22.4S–.20 179.2W–.20 549–17 4.4b **¶610236782**
IDC I 05 17 12 47.6–2.6 22.53S 179.72W 575–25 4.3,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=27.5km s-min=25.7km az=213.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=35.3km s-min=28.7km az=126.0.
ISC I 05 23 06 54.2–.98 19.4S–.20 176.4E–.20 35 4.0b 14 2-147
IDC I 05 23 06 48.8–2.3 19.75S 176.58E 0 4.9L,3.8b **¶610236800**
NEIC I 05 23 06 50.9–1.2 19.3S–.20 176.4E–.10 10–2 4.0b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 05 23 23 05.6–.45 19.08S–.09 176.17E–.07 30 4.7b,4.0s 76 2-150
IDC I 05 23 23 01.8–.72 18.94S 175.98E 0 5.0L,4.1 **¶610050490**
NEIC I 05 23 23 02.4–2.4 19.1S–.20 176.3E–.10 10–1 4.8b,4.1
GCMT I 05 23 23 07.4–.30 19.08S–.02 176.18E–.02 12 4.8W,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s15,c16; s77,c108;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.87±.09 $M_{\theta\theta}$-1.53±.10; $M_{\phi\phi}$2.40±.07; $M_{r\theta}$0.85±.32; $M_{\theta\phi}$-0.23±.09; $M_{\phi r}$-0.03±.24; Best double couple: NP1:ϕ_s317.00000°,δ68.00000° ,λ-153.00000°. NP2:ϕ_s216.00000°,δ65.00000°,λ-25.00000°. Principal axes: T 2.4150,Plg1.0000°,Azm86.0000°; N -0.2970,Plg56.0000°,Azm354.0000° ; P -2.1220,Plg34.0000°,Azm177.0000° $M_0$2.26900×10^{16}
ISC I 05 23 24 14.8–3.9 19.5S–.70 176.6E–.60 35 3.7b,3.6s 7 2-92
IDC I 05 23 24 10.4–4.3 19.38S 176.43E 0 3.8,3.8b **¶610236801**
ISC Event type ke.
IDC Error ellipse: s-maj=170.6km s-min=21.3km az=145.0.
ISC I 06 13 07 16.4–1.2 19.6S–.30 176.1E–.30 35 4.0b 7 9-148
IDC I 06 13 07 11.0–1.2 19.62S 176.15E 0 4.1,4.1b **¶610236834**
ISC Event type ke.
IDC Error ellipse: s-maj=50.4km s-min=27.0km az=136.0.
ISC I 06 19 31 22.7–.81 24.6S–.10 179.7W–.10 500 4.2b 36 5-152
IDC I 06 19 31 21.8–2.8 24.70S 179.68W 490–28 4.0,3.0b **¶610236852**
NEIC I 06 19 31 26.6–1.9 24.8S–.20 180.0W–.20 533–10 4.7b,3.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 07 04 56 19.0–1.5 19.3S–.30 175.9E–.20 35 4.2b,3.6s 12 9-147
IDC I 07 04 56 21.1–6.3 19.37S 175.77E 53–52 4.1,3.9b **¶610236875**
ISC Event type ke.
IDC Error ellipse: s-maj=61.1km s-min=27.8km az=142.0.
ISC I 09 00 37 06.1–.38 22.03S–.05 179.43W–.05 594–3 4.9b 1126 4-163
BJI I 09 00 37 03.9–.00 21.76S 179.03W 588 5.3b,4.6b **¶610049856**
NOU I 09 00 37 05.3 21.94S 179.32W 591 4.9L,4.6b
BGR I 09 00 37 05.2 22.23S 179.01W 590 4.9L,4.6b
NEIC I 09 00 37 06.1–1.7 21.99S–.10 179.4W–.10 583–6 4.9b,4.6b
IDC I 09 00 37 06.3–.84 21.91S 179.45W 592–8 5.1,4.2b
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s47.84136°,δ29.82823°,λ151.69064°. NP2: ϕ_s162.88779°,δ76.35629°,λ63.21600°. Principal axes: T Plg51.2811°,Azm42.2625° ; N Plg25.9707°,Azm169.6781°; P Plg26.5280°,Azm273.7510°
NOU Fiji Islands Region.
BGR Event type ke.
NEIC Event type se. Error ellipse: s-maj=15.0km s-min=13.0km az=133.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=12.1km s-min=9.0km az=119.0.
ISC I 09 10 40 57.8–2.4 20.3S–.50 176.9E–.50 10 3.9b 8 3-152
IDC I 09 10 40 57.2–2.5 20.28S 176.80E 0 4.7L,3.9b **¶610101614**
ISC Event type ke.
IDC Error ellipse: s-maj=114.6km s-min=22.9km az=139.0.
ISC I 09 10 41 20.1–.68 19.0S–.20 175.97E–.09 10 4.2b,4.0s 23 2-150
IDC I 09 10 41 17.4–1.4 19.38S 176.11E 0 4.7L,4.1b **¶610237025**
GCMT I 09 10 41 25.0–.40 19.51S–.04 175.84E–.03 19–1 4.8W,4.1b
ISC Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. Moment Tensor Solution. s19,c23; s67,c81;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.76±.15 $M_{\theta\theta}$0.42±.09; $M_{\phi\phi}$1.34±.10; $M_{r\theta}$-1.34±.23; $M_{\theta\phi}$0.67±.07; $M_{\phi r}$0.19±.18; Best double couple: NP1:ϕ_s56.00000°,δ60.00000° ,λ-60.00000°. NP2:ϕ_s188.00000°,δ41.00000°,λ-130.00000°. Principal axes: T 1.7760,Plg10.0000°,Azm125.0000°; N 0.6820,Plg25.0000°,Azm220.0000° ; P -2.4540,Plg63.0000°,Azm16.0000° $M_0$2.11500×10^{16}
ISC I 10 18 08 55.3–1.6 24.7S–.20 179.9E–.20 500 4.5b 34 13-148
IDC I 10 18 08 54.1–5.5 23.73S 179.61E 479–40 4.5,3.6b **¶610237094**

NEIC I 10 18 08 55.7–1.7 24.7S–.20 180.0E–.20 513–21 4.5b,3.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 11 02 15 54.6–.52 24.29S–.07 179.91W–.08 505 4.3b 51 5-169
NEIC I 11 02 15 55.5–1.3 24.2S–.10 179.8W–.10 522–11 4.3b **¶610237119**
IDC I 11 02 15 56.1–1.3 24.32S 179.99W 517–12 4.4,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.6km s-min=13.2km az=175.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=17.2km s-min=15.3km az=77.0.
IDC I 11 03 16 58.1–27 22.57S 178.43E 700–247 4.3,3.0b
¶610237122
IDC Error ellipse: s-maj=282.8km s-min=118.9km az=118.0.
ISC I 11 05 23 34.6–1.7 22.4S–.20 176.8W–.20 300 3.4b 9 7-149
IDC I 11 05 23 32.5–12 22.63S 176.66W 282–87 3.9,3.2b **¶610237127**
ISC Event type ke.
IDC Error ellipse: s-maj=152.4km s-min=24.2km az=134.0.
ISC I 11 17 10 58.2–.91 23.8S–.10 179.7W–.10 512 4.0b 24 6-148
IDC I 11 17 10 10.6–7.3 20.60S 179.66E 0 4.1,4.1b **¶610570606**
NEIC I 11 17 10 59.1–1.5 23.80S–.07 179.6W–.20 538–17 4.1b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 11 21 56 14.2–2.1 23.4S–.10 179.9W–.30 532 4.2b 30 6-63
IDC I 11 21 54 53.1–59 21.09S 175.95W 0 4.6,4.6b **¶610570617**
NEIC I 11 21 56 14.8–1.8 23.2S–.20 179.8W–.20 555–23 4.2b,4.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 12 04 38 53.0–.39 26.94S–.06 176.81W–.07 64 4.8b 106 3-166
IDC I 12 04 38 53.5–.75 26.82S 176.97W 60–5 4.4,4.2b **¶610101625**
NEIC I 12 04 38 53.6–1.2 26.85S–.09 176.9W–.10 64–7 4.9b,4.2b
GCMT I 12 04 38 53.6–.30 26.90S–.02 176.77W–.02 43–1 5.0W,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s27,c27; s60,c79;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}2.77±.29 $M_{\theta\theta}$-4.39±.18; $M_{\phi\phi}$1.63±.19; $M_{r\theta}$0.90±.17;
$M_{\theta\phi}$-1.59±.13; $M_{\phi r}$-1.60±.15; Best double couple: NP1:ϕ_s108.00000°,δ60.00000°,λ136.00000°.
NP2:ϕ_s224.00000°,δ53.00000°,λ39.00000°. Principal axes: T 4.2220,Plg51.0000°
,Azm72.0000°; N 0.6060,Plg39.0000°,Azm260.0000°; P -4.8180,Plg4.0000°,Azm167.0000°
$M_0$4.52000×10^{16}
IDC I 12 17 19 23.2–30 22.37S 178.96W 499–276 4.2,3.3b
¶610237250
IDC Error ellipse: s-maj=196.9km s-min=62.8km az=82.0.
ISC I 12 18 31 41.1–.86 24.0S–.10 179.4W–.10 500 4.5b 50 10-85
IDC I 12 18 31 28.5–20 23.56S 179.21W 354–159 4.4,3.7b **¶610237253**
NEIC I 12 18 31 41.1–.86 24.2S–.20 179.3W–.10 492–15 4.7b,3.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 13 11 16 18.3–.51 25.45S–.07 179.71E–.08 500 4.4b 75 4-148
NOU I 13 11 16 17.0 25.07S 179.48W 574 4.4b **¶610180879**
IDC I 13 11 16 19.3–1.4 25.40S 179.63E 509–13 4.4,3.6b
NEIC I 13 11 16 19.7–1.5 25.5S–.10 179.8E–.10 514–9 4.5b,3.6b
ISC Event type se.
NOU South of Fiji Islands.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 14 00 39 45.6–.89 23.7S–.20 179.5W–.10 536 4.4b 33 10-151
IDC I 14 00 39 46.7–11 23.78S 179.74W 536–125 4.6,3.8b **¶610237323**
NEIC I 14 00 39 46.5–1.0 23.6S–.20 179.4W–.10 565–17 4.4b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 14 03 46 42.8–.62 23.05S–.07 179.57W–.08 526 4.2b 49 6-144
NEIC I 14 03 46 14.7–.86 22.4S–.20 176.9W–.20 395–14 4.1b **¶610237329**
IDC I 14 03 46 42.6–2.1 22.93S 179.65W 503–23 4.2,3.3b
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=32.1km s-min=21.8km az=187.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=36.7km s-min=16.1km az=147.0.
ISC I 16 04 47 20.9–1.5 24.2S–.10 179.3W–.20 512 3.9b 10 7-169
IDC I 16 04 47 20.9–2.8 24.24S 179.51W 483–28 4.2,3.3b **¶610237483**
ISC Event type ke.
IDC Error ellipse: s-maj=31.8km s-min=25.8km az=112.0.
ISC I 16 11 22 53.6–.65 23.78S–.08 179.64W–.09 550 4.2b 43 6-148
NEIC I 16 11 22 53.9–.92 23.8S–.20 179.7W–.20 548–20 4.3b **¶610237511**
IDC I 16 11 22 53.7–1.8 23.91S 179.85W 532–18 4.4,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=34.7km s-min=20.2km az=223.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=31.7km s-min=16.4km az=145.0.
IDC I 17 05 12 38.9–6.6 23.60S 178.41E 513–43 3.9,3.0b
¶610237568
IDC Error ellipse: s-maj=137.9km s-min=36.0km az=138.0.
ISC I 17 16 31 26.2–1.7 23.4S–.10 179.3W–.20 536 4.5b 37 6-142
NEIC I 17 16 31 27.6–1.4 23.4S–.10 179.5W–.20 537–14 4.6b **¶610237610**
IDC I 17 16 31 27.5–2.8 23.32S 179.40W 545–29 4.3,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=28.2km s-min=8.1km az=127.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=42.2km s-min=35.2km az=107.0.
ISC I 18 00 54 48.0–.77 24.0S–.10 177.2W–.10 200 3.4b 15 8-146
IDC I 18 00 54 44.0–13 24.45S 177.10W 169–98 3.9,3.4b **¶610237632**
NOU I 18 00 54 50.0 23.78S 177.09W 257 4.2b,3.4b
ISC Event type ke.
IDC Error ellipse: s-maj=136.9km s-min=21.9km az=148.0.
NOU South of Fiji Islands.
IDC I 22 02 11 59.9–5.1 23.58S 178.01W 0 3.4,3.4b
¶610235046
IDC Error ellipse: s-maj=264.5km s-min=51.9km az=153.0.
ISC I 22 16 56 11.3–1.4 19.3S–.50 175.8E–.30 35 3.8b 9 3-147
IDC I 22 16 56 07.2–2.0 19.27S 175.58E 0 3.8,3.8b **¶610235123**
ISC Event type ke.
IDC Error ellipse: s-maj=103.3km s-min=27.0km az=149.0.
ISC I 22 21 08 32.0–.48 19.59S–.09 175.96E–.07 35 4.3b,3.9s 56 3-150
NEIC I 22 21 08 27.8–1.9 19.60S–.08 176.03E–.08 10–1 4.7b,3.9s **¶610159373**
IDC I 22 21 08 28.1–.72 19.58S 175.83E 0 4.7L,4.2
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=11.5km az=153.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=31.4km s-min=17.9km az=141.0.
ISC I 23 00 58 32.1–.64 24.25S–.07 179.99W–.10 518 4.0b 32 5-151
NEIC I 23 00 58 32.4–.93 24.21S–.09 179.9W–.10 533–19 4.0b **¶610235149**
IDC I 23 00 58 33.8–2.3 24.19S 179.80E 520–24 4.5,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.6km s-min=10.4km az=119.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=26.9km s-min=22.2km az=157.0.
IDC I 23 10 01 45.4–35 23.02S 178.95E 700–335 4.3,3.1b
¶610235181
IDC Error ellipse: s-maj=343.7km s-min=133.3km az=116.0.
IDC I 25 12 37 08.1–10 22.28S 177.02W 545–40 3.8,2.6b
¶610235325
IDC Error ellipse: s-maj=330.2km s-min=24.5km az=145.0.
ISC I 26 08 45 38.9–.78 23.94S–.10 179.5W–.10 512 3.9b 11 7-169
IDC I 26 08 45 39.7–2.2 23.93S 179.70W 507–25 4.3,3.3b **¶610235375**
ISC Event type ke.
IDC Error ellipse: s-maj=33.9km s-min=20.4km az=149.0.
IDC I 26 19 25 16.4–16 22.90S 178.98E 543–190 3.7,2.8b
¶610235411
IDC Error ellipse: s-maj=477.8km s-min=108.1km az=92.0.
ISC I 27 13 49 19.9–.51 23.21S–.05 178.76W–.06 371–4 4.6b 159 6-170
NEIC I 27 13 49 18.2–2.3 23.21S–.06 178.5W–.10 353–9 4.8b **¶610144705**
IDC I 27 13 49 22.0–.73 23.06S 178.95W 388–7 4.6,3.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.2km s-min=8.6km az=84.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=13.6km s-min=11.1km az=161.0.
ISC I 27 16 12 03.3–1.5 22.7S–.20 177.1W–.20 300 3.7b 9 7-153
IDC I 27 16 12 06.7–14 22.46S 177.33W 329–98 4.2,3.5b **¶610235485**
ISC Event type ke.
IDC Error ellipse: s-maj=193.8km s-min=23.0km az=140.0.
ISC I 28 04 15 18.9–.89 23.50S–.09 179.9W–.10 532 4.4b 27 6-147
IDC I 28 04 15 18.6–2.1 23.47S 179.87W 531–24 4.6,3.7b **¶610235536**
ISC Event type ke.
IDC Error ellipse: s-maj=23.3km s-min=21.7km az=63.0.
ISC I 28 05 54 43.6–.91 24.9S–.10 177.6E–.10 300 3.6b 8 6-94
IDC I 28 05 54 44.4–1.8 24.91S 177.74E 323–27 4.2,3.4b **¶610235540**
ISC Event type ke.
IDC Error ellipse: s-maj=29.7km s-min=23.9km az=99.0.
IDC I 28 18 37 27.2–9.4 23.93S 176.62W 0 3.3,3.3b
¶610235584
IDC Error ellipse: s-maj=437.4km s-min=62.6km az=150.0.
ISC I 29 00 07 10.7–.36 23.42S–.05 179.80W–.07 532 4.5b 208 6-170
IDC I 29 00 07 09.2–1.5 23.22S 179.84W 510–15 4.3,3.5b **¶610180921**
NEIC I 29 00 07 09.9–1.8 23.4S–.10 179.7W–.10 517–8 4.5b,3.5b
NOU I 29 00 07 10.3 23.31S 179.45W 554 4.5b,3.5b
ISC Event type se.
IDC Error ellipse: s-maj=17.4km s-min=12.6km az=132.0.
NEIC Event type se. Error ellipse: s-maj=16.7km s-min=14.8km az=134.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU South of Fiji Islands.
IDC I 29 05 48 32.3–4.7 24.08S 177.94W 0 4.3,4.3b
¶610235616
IDC Error ellipse: s-maj=221.4km s-min=46.8km az=155.0.
ISC I 29 11 26 10.3–1.2 23.9S–.10 180.0W–.20 500 4.0b 15 6-90
IDC I 29 11 26 09.7–3.2 23.70S 179.95W 489–32 4.1,3.3b **¶610235640**
NEIC I 29 11 26 11.6–1.1 23.9S–.40 179.8E–.70 482–69 4.1b,3.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC I 29 15 26 08.2–7.7 22.62S 176.44W 0 3.8,3.8b
¶610235654
IDC Error ellipse: s-maj=328.3km s-min=43.6km az=146.0.
IDC I 30 12 45 37.9–5.0 22.07S 176.72W 437–67 3.9,3.1b
¶610235731
IDC Error ellipse: s-maj=114.0km s-min=39.4km az=3.0.
ISC II 02 16 05 55.7–.71 22.0S–.10 177.66W–.08 400 4.1b 32 6-68
IDC II 02 16 05 54.9–14 21.71S 177.48W 408–65 4.3,3.6b **¶610414685**
NEIC II 02 16 05 56.2–1.5 21.8S–.30 177.77W–.10 392–20 4.2b,3.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC II 03 01 20 52.5–14 19.22S 179.38E 543–83 4.2,3.3b
¶610414710
IDC Error ellipse: s-maj=330.7km s-min=96.1km az=87.0.
IDC II 03 02 47 21.1–32 19.23S 178.40E 517–311 4.2,3.2b
¶610414713
IDC Error ellipse: s-maj=913.5km s-min=98.7km az=84.0.
ISC II 03 11 47 52.1–.61 24.21S–.06 177.43W–.06 200–5 4.3b 107 5-169
NEIC II 03 11 47 47.5–1.5 24.07S–.09 177.3W–.10 158–7 4.6b **¶610198664**
IDC II 03 11 47 52.1–.90 24.15S 177.51W 195–7 4.5,4.0b
NOU II 03 11 47 53.7 23.90S 176.79W 263 4.7b,4.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.4km s-min=12.9km az=84.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=18.3km s-min=11.8km az=153.0.
NOU South of Fiji Islands.
ISC II 03 13 09 32.8–.82 23.52S–.10 177.4W–.10 223 4.2b 20 6-146
NEIC II 03 13 09 32.9–2.0 23.53S–.05 177.3W–.20 224–13 4.3b **¶610414740**
IDC II 03 13 09 38.4–16 23.35S 177.61W 269–111 3.9,3.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.9km s-min=7.1km az=100.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=190.6km s-min=33.8km az=139.0.
ISC II 03 13 37 46.8–.63 19.8S–.10 179.46E–.09 550 4.0b 40 2-149
IDC II 03 13 37 46.2–1.5 20.08S 179.44E 532–10 4.1,3.1b **¶610414743**
NEIC II 03 13 37 46.2–1.1 19.7S–.20 179.6E–.10 556–13 4.2b,3.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 03 19 02 54.4–.77 24.30S–.09 179.7W–.10 490 4.1b 36 14-151
NEIC II 03 19 02 51.1–2.0 24.3S–.10 179.6W–.20 447–13 4.3b **¶610414758**
IDC II 03 19 02 56.9–5.5 24.47S 179.72W 523–64 4.1,3.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=31.0km s-min=20.2km az=72.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=46.2km s-min=29.0km az=8.0.
ISC II 04 11 16 55.4–.58 23.85S–.08 179.93W–.09 518 4.3b 64 6-169
IDC II 04 11 16 54.6–2.9 23.81S 179.90W 506–31 4.2,3.3b **¶610414809**
NEIC II 04 11 16 55.5–2.1 23.8S–.10 179.84W–.06 521–14 4.5b,3.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC II 05 21 44 42.2–43 22.23S 179.40E 700–417 3.9,2.7b
¶610414911
IDC Error ellipse: s-maj=411.3km s-min=168.1km az=116.0.
ISC II 06 08 53 09.7–.80 25.16S–.10 178.1W–.10 450 4.2b 32 4-90
NEIC II 06 08 53 10.6–2.1 25.3S–.10 178.0W–.10 463–10 4.3b **¶610414951**
IDC II 06 08 53 33.7–7.6 25.08S 179.58E 544–83 4.5,3.5b
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=20.3km s-min=16.3km az=209.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=101.3km s-min=35.4km az=155.0.
ISC II 06 17 33 44.6–.69 23.3S–.10 179.62W–.10 536 4.5b 32 6-67
IDC II 06 17 32 02.5–25 21.76S 172.55W 0 4.6,4.6b **¶611148954**
NEIC II 06 17 33 45.0–1.6 23.4S–.10 179.6W–.10 538–14 4.6b,4.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 06 22 04 40.2–.42 19.23S–.08 176.22E–.07 10 4.4b,4.0s 69 2-150
IDC II 06 22 04 39.5–.87 19.19S 176.03E 0 4.2,4.2b **¶610198711**
NEIC II 06 22 04 41.7–1.2 19.22S–.09 176.45E–.09 29–6 4.7b,4.2b
GCMT II 06 22 04 42.7–.40 19.17S–.02 176.05E–.02 21–2 4.9W,4.2b
ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function. Moment Tensor Solution. s11,c13; s79,c95;Duration: 0
Moment tensor: Scale 10^{16}Nm; Mrr0.23±.15 Mθθ-2.39±.14; Mϕϕ2.16±.11; Mrθ0.39±.20;
Mθϕ0.13±.09; Mϕr0.92±.22; Best double couple: NP1:ϕs48.00000°,δ81.00000°,λ22.00000°.
NP2:ϕs315.00000°,δ68.00000°,λ170.00000°. Principal axes: T 2.5440,Plg22.0000°
,Azm273.0000°; N -0.0990,Plg66.0000°,Azm71.0000°; P -2.4470,Plg8.0000°,Azm180.0000°
M0 2.49500×10^{16}
ISC II 06 22 46 30.8–.32 19.05S–.06 176.32E–.05 10 5.0b,4.5s 178 2-172
NEIC II 06 22 46 30.2–1.6 19.0S–.10 176.27E–.09 10–1 5.1b,4.5s **¶610198712**
IDC II 06 22 46 31.1–.63 19.24S 176.00E 0 4.6,4.5b
NOU II 06 22 46 33.3 18.99S 176.41E 9 5.6,4.5b
GCMT II 06 22 46 37.2–.10 19.19S–.01 176.08E–.01 13–0 5.2W,4.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Fiji Islands Region.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function. Moment Tensor Solution. s86,c121; s137,c225;Duration: 1s0
Moment tensor: Scale 10^{17}Nm; Mrr-0.13±.01 Mθθ-0.67±.01; Mϕϕ0.79±.01; Mrθ0.00±.03;
Mθϕ0.28±.01; Mϕr0.28±.04; Best double couple: NP1:ϕs325.00000°,δ83.00000°,λ166.00000°.
NP2:ϕs57.00000°,δ76.00000°,λ7.00000°. Principal axes: T 0.9190,Plg15.0000°
,Azm280.0000°; N -0.1960,Plg74.0000°,Azm119.0000°; P -0.7230,Plg5.0000°,Azm11.0000°
M0 0.82100×10^{17}
ISC II 07 00 41 51.6–.68 19.0S–.10 176.0E–.10 10 4.1b,3.1s 21 2-147
NEIC II 07 00 41 51.8–1.8 19.0S–.20 176.0E–.10 10–2 4.4b,3.1s **¶610414996**
IDC II 07 00 41 51.0–1.1 19.04S 175.96E 0 4.5L,3.9
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=40.3km s-min=7.9km az=152.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=43.2km s-min=21.8km az=151.0.
ISC II 07 06 48 16.7–1.2 24.9S–.20 179.4W–.20 550 3.7b 6 5-149
IDC II 07 06 48 16.5–4.3 24.83S 179.29W 553–74 4.0,3.2b **¶610415020**
ISC Event type ke.
IDC Error ellipse: s-maj=143.6km s-min=28.0km az=166.0.
ISC II 08 08 32 04.3–.83 23.7S–.10 179.5W–.10 550 3.8b 13 6-142
IDC II 08 08 32 04.3–1.8 23.78S 179.63W 540–22 4.3,3.2b **¶610415102**
ISC Event type ke.
IDC Error ellipse: s-maj=25.0km s-min=17.3km az=143.0.
ISC II 08 13 40 42.1–.97 24.1S–.10 179.9E–.20 526 3.7b 27 7-169
IDC II 08 13 40 41.1–2.1 24.13S 179.99W 511–24 4.2,3.2b **¶610415122**
ISC Event type ke.
IDC Error ellipse: s-maj=24.5km s-min=20.2km az=120.0.
ISC II 08 17 16 01.4–.42 23.77S–.06 179.85E–.07 500 4.4b 114 6-169
IDC II 08 17 16 02.8–1.4 23.70S 179.99E 518–13 4.6,3.7b **¶610243785**
NEIC II 08 17 16 05.7–1.2 23.4S–.20 179.7E–.10 535–4 4.5b,3.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 10 04 56 02.4–.81 25.0S–.10 180.0E–.20 500 3.8b 11 5-93
IDC II 10 04 56 00.4–2.2 24.74S 179.82E 469–27 4.2,3.4b **¶610415214**
ISC Event type ke.
IDC Error ellipse: s-maj=39.9km s-min=18.1km az=165.0.
ISC II 10 17 51 17.1–.54 24.81S–.06 179.65E–.08 500 4.4b 103 5-154
NEIC II 10 17 51 14.9–2.0 24.7S–.10 179.8E–.10 468–8 4.5b **¶610243791**
IDC II 10 17 51 16.6–1.6 24.83S 179.75E 496–16 4.4,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.4km s-min=11.6km az=124.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=22.2km s-min=14.6km az=146.0.
ISC II 11 02 21 45.0–.76 23.1S–.10 179.2E–.10 550 4.1b 24 5-147
IDC II 11 02 21 44.9–1.9 23.11S 179.13E 540–23 4.3,3.4b **¶610415273**
NOU II 11 02 21 46.8 22.97S 179.54E 623 4.5b,3.4b
ISC Event type ke.
IDC Error ellipse: s-maj=21.1km s-min=20.5km az=48.0.
NOU South of Fiji Islands.
ISC II 11 04 05 35.3–1.3 23.6S–.20 180.0W–.20 532 4.0b 7 15-90
IDC II 11 04 05 34.1–3.4 23.44S 179.98W 518–34 4.3,3.4b **¶610415278**
ISC Event type ke.
IDC Error ellipse: s-maj=36.6km s-min=24.0km az=10.0.
ISC II 11 06 28 29.1–1.1 22.5S–.20 177.8W–.20 352 3.3b 6 16-88
IDC II 11 06 28 36.0–14 22.54S 177.92W 425–177 3.9,3.1b **¶610415287**
ISC Event type ke.
IDC Error ellipse: s-maj=118.0km s-min=26.5km az=179.0.
IDC II 11 10 34 45.7–8.2 23.77S 179.50E 537–87 4.0,3.1b
¶610415311
IDC Error ellipse: s-maj=99.2km s-min=45.0km az=163.0.
ISC II 11 11 15 57.8–.31 23.77S–.04 179.96W–.04 519–3 4.9b 652 6-169
NOU II 11 11 15 57.9 23.72S 179.69W 535 5.1b **¶615092398**
BJI II 11 11 15 57.5–.00 23.72S 179.46W 533 5.0b,4.5b
IDC II 11 11 15 57.5–.41 23.78S 179.95W 510–3 5.1,4.3b
NEIC II 11 11 15 57.4–2.1 23.75S–.09 179.9W–.10 497–6 5.0b,4.3b
BGR II 11 11 15 59.5 23.74S 179.84W 500 5.0b,4.3b
GCMT II 11 11 16 02.4–.30 23.77S–.04 179.88W–.04 528–2 5.4W,4.3b
ISC Event type se. Moment Tensor Solution. NP1:ϕs92.62878°,δ31.88005°,λ155.26436°. NP2:
ϕs203.99461°,δ77.23270°,λ60.53807°. Principal axes: T Plg49.1749°,Azm81.8549°
; N Plg28.6648°,Azm211.1105°; P Plg26.3708°,Azm316.8360°
NOU South of Fiji Islands.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC Event type ke. Hypocentre not reviewed by the ISC.
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. Moment Tensor
Solution. s73,c96;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; Mrr0.46±.04 Mθθ-0.23±.07;
Mϕϕ-0.23±.06; Mrθ-0.34±.06; Mθϕ-0.71±.06; Mϕr-1.20±.05; Best double couple: NP1:
ϕs196.00000°,δ79.00000°,λ67.00000°. NP2:ϕs82.00000°,δ26.00000°,λ154.00000°.
Principal axes: T 1.3820,Plg51.0000°,Azm80.0000°; N 0.1980,Plg23.0000°,Azm201.0000°
; P -1.5810,Plg30.0000°,Azm305.0000° M0 1.48200×10^{17}
ISC II 11 14 07 24.8–.83 25.1S–.10 179.8E–.10 500 3.8b 16 13-168
IDC II 11 14 07 24.2–2.6 25.03S 179.86E 494–27 4.3,3.5b **¶616051097**
ISC Event type ke.
IDC Error ellipse: s-maj=29.5km s-min=21.6km az=166.0.
ISC II 12 17 57 35.7–.71 23.58S–.10 179.98E–.09 535 4.4b 41 10-151
NEIC II 12 17 57 36.4–2.3 23.6S–.10 179.9E–.10 529–16 4.5b **¶610415392**
IDC II 12 17 57 38.0–2.1 23.50S 179.91W 568–26 4.5,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=24.8km s-min=11.1km az=45.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=29.0km s-min=18.7km az=174.0.
ISC II 13 01 40 28.2–.77 25.8S–.20 179.3E–.10 600 4.0b 35 4-150
IDC II 13 01 40 21.2–6.0 25.99S 179.75E 532–71 4.2,3.3b **¶610243799**
NEIC II 13 01 40 29.1–1.9 25.9S–.20 179.10E–.09 582–11 4.3b,3.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 13 12 27 22.3–2.4 25.2S–.20 179.5E–.30 550 4.3b 27 12-148
IDC II 13 12 27 23.6–7.3 25.15S 179.29E 558–67 4.1,3.2b **¶610415452**
NEIC II 13 12 27 23.6–.95 25.2S–.20 179.4E–.20 569–21 4.5b,3.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 13 14 35 13.0–.63 23.53S–.05 179.43E–.06 548–6 4.5b 402 6-169
BGR II 13 14 35 11.4 23.17S 179.89E 550 4.5b **¶615092404**
NOU II 13 14 35 12.0 23.30S 179.59E 554 4.7b
NEIC II 13 14 35 13.8–1.7 23.5S–.10 179.4E–.10 551–5 4.6b
IDC II 13 14 35 13.4–1.1 23.43S 179.31E 548–10 4.7,3.8b
ISC Event type se.
ISC Event type ke. Hypocentre not reviewed by the ISC.
NOU South of Fiji Islands.
NEIC Event type se. Error ellipse: s-maj=17.5km s-min=13.9km az=157.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=12.0km s-min=9.2km az=160.0.
ISC II 13 15 41 56.7–1.0 24.1S–.10 179.7W–.10 450 4.1b 21 13-66
IDC II 13 15 41 56.5–11 24.02S 179.83W 442–313 4.0,2.9b **¶610415456**
NEIC II 13 15 41 57.5–.40 24.2S–.10 179.7W–.20 458–18 4.2b,2.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 14 08 00 42.5–2.2 24.6S–.20 179.9E–.30 500 4.1b 23 14-148
IDC II 14 08 00 12.3–11 23.24S 179.97W 169–124 4.2,3.6b **¶610415495**
NEIC II 14 08 00 45.2–1.4 24.9S–.20 179.6E–.30 504–21 4.2b,3.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC II 15 11 26 12.3–49 24.46S 179.44W 551–189 4.2,3.1b
¶610415561
IDC Error ellipse: s-maj=636.3km s-min=99.1km az=81.0.
IDC II 15 23 57 26.2–26 19.26S 179.83E 573–247 3.7,2.7b
¶610415594
IDC Error ellipse: s-maj=360.5km s-min=86.2km az=137.0.
IDC II 16 05 12 44.5–7.5 24.50S 177.61W 0 3.6,3.6b
¶610243807
IDC Error ellipse: s-maj=337.7km s-min=60.8km az=151.0.
ISC II 16 14 38 16.9–.79 22.1S–.10 179.0W–.10 550 4.1b 63 7-90
IDC II 16 14 37 43.6–18 21.48S 178.75E 0 4.6L,4.4 **¶611149034**
NOU II 16 14 37 51.5 20.41S 176.37W 451 4.0b,4.4
NEIC II 16 14 38 15.7–2.1 22.2S–.20 179.0W–.10 521–13 4.1b,4.4
ISC Event type se.
NOU Fiji Islands Region.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 18 09 37 37.0–.40 24.87S–.05 179.83E–.07 501 4.5b 164 5-168
NOU II 18 09 37 36.5 24.93S 179.93W 510 4.5b **¶610231525**
IDC II 18 09 37 36.6–1.4 24.86S 179.81E 495–13 4.7,3.8b
NEIC II 18 09 37 38.1–1.6 25.0S–.10 179.8E–.10 505–9 4.6b,3.8b
ISC Event type se.
NOU South of Fiji Islands.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 19 07 05 54.4–.42 24.73S–.05 179.39E–.07 531 4.4b 161 5-168
IDC II 19 07 05 51.6–1.6 24.58S 179.45E 501–15 4.7,3.7b **¶610231549**
NOU II 19 07 05 53.5 24.53S 179.67E 550 4.5b,3.7b
NEIC II 19 07 05 53.5–2.4 24.7S–.10 179.5E–.10 520–8 4.5b,3.7b
ISC Event type se.
NOU South of Fiji Islands.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC II 19 11 28 39.3–21 24.23S 179.57E 541–189 4.2,3.3b
¶610415814
IDC Error ellipse: s-maj=223.7km s-min=72.0km az=136.0.
ISC II 19 21 38 28.0–.92 24.82S–.09 179.6E–.10 500 3.4b 26 5-148
IDC II 19 21 38 27.7–5.7 24.75S 179.75E 502–59 3.9,2.9b **¶610415842**
ISC Event type ke.
IDC Error ellipse: s-maj=40.7km s-min=22.0km az=44.0.
ISC II 21 09 57 45.6–.76 25.68S–.07 179.73W–.10 450 3.7b 47 4-144
IDC II 21 09 57 47.3–1.4 25.91S 179.79W 474–19 4.4,3.4b **¶610243825**
ISC Event type ke.
IDC Error ellipse: s-maj=24.9km s-min=23.5km az=88.0.
ISC II 21 14 24 51.5–.73 24.44S–.09 179.7W–.10 500 4.4b 27 7-148
NEIC II 21 14 24 52.3–1.8 24.42S–.09 179.8W–.20 503–18 4.8b **¶610384757**
IDC II 21 14 24 57.5–4.2 24.10S 179.73E 547–37 4.5,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=27.4km s-min=12.0km az=75.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=77.7km s-min=22.5km az=147.0.
IDC II 22 20 07 27.1–2.6 19.38S 176.02E 0 4.4L,4.0
¶610384827
IDC Error ellipse: s-maj=123.3km s-min=21.5km az=147.0.
ISC II 23 06 24 31.4–2.1 23.6S–.10 179.6E–.40 500 3.8b 5 6-42
IDC II 23 06 24 26.4–6.8 23.05S 178.87W 597–96 4.2,3.1b **¶610384850**
ISC Event type ke.
IDC Error ellipse: s-maj=200.7km s-min=42.7km az=67.0.
ISC II 23 16 23 46.2–.52 24.13S–.06 179.25E–.08 550 4.5b 141 6-151
IDC II 23 16 23 45.5–1.6 23.96S 179.25E 533–17 4.5,3.6b **¶610384884**
NEIC II 23 16 23 46.0–1.3 24.0S–.10 179.3E–.10 545–10 4.6b,3.6b
NOU II 23 16 23 46.5 24.05S 179.57E 580 4.3b,3.6b
ISC Event type se.
IDC Error ellipse: s-maj=17.6km s-min=13.3km az=85.0.
NEIC Event type se. Error ellipse: s-maj=19.2km s-min=16.0km az=71.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU South of Fiji Islands.
ISC II 23 17 03 15.0–.34 22.45S–.04 178.36W–.03 380–3 5.1b 1514 4-176
IDC II 23 17 03 15.3–.56 22.47S 178.41W 377–5 5.2,4.6b **¶615092419**
NOU II 23 17 03 15.1 22.61S 178.17W 383 5.1L,4.6b
MOS II 23 17 03 15.6–.88 22.43S 178.49W 387 5.2b,4.6b
NEIC II 23 17 03 18.1–2.0 22.41S–.09 178.43W–.10 397–5 5.1b,4.6b
GCMT II 23 17 03 18.1–.60 22.27S–.06 178.20W–.06 387–3 5.2W,4.6b
ISC Event type se. Moment Tensor Solution. NP1:ϕs173.41960°,δ22.28337°,λ-149.66155°. NP2:
ϕs54.98200°,δ78.95789°,λ-70.52270°. Principal axes: T Plg31.2563°,Azm128.9720°
; N Plg19.1026°,Azm231.1068°; P Plg52.1605°,Azm347.5847°
NOU South of Fiji Islands.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. Moment Tensor
Solution. s60,c72;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; Mrr-0.62±.04 Mθθ0.12±.07;
Mϕϕ0.50±.07; Mrθ-0.51±.07; Mθϕ0.24±.07; Mϕr-0.34±.06; Best double couple: NP1:ϕs46.00000°
,δ68.00000°,λ-75.00000°. NP2:ϕs190.00000°,δ27.00000°,λ-122.00000°. Principal axes:
T 0.8200,Plg21.0000°,Azm124.0000°; N 0.0860,Plg14.0000°,Azm220.0000°
; P -0.9060,Plg64.0000°,Azm340.0000° M0 0.86300×10^{17}
IDC II 23 23 06 03.9–6.5 20.06S 177.08E 0 3.7,3.7b
¶610384906
IDC Error ellipse: s-maj=282.3km s-min=38.1km az=147.0.
IDC II 24 11 54 08.2–46 24.12S 177.48W 0 4.0,4.0b
¶610384936
IDC Error ellipse: s-maj=845.9km s-min=166.3km az=88.0.
ISC II 24 17 28 44.9–.19 23.37S–.03 178.83W–.03 415–1 6.2b 2831 5-176
BJI II 24 17 28 43.1–.00 23.18S 178.86W 410 6.7b,5.5b **¶611831873**
NEIC II 24 17 28 44.8–1.9 23.26S–.08 178.80W–.08 414–3 7.0,6.9
NOU II 24 17 28 44.7 23.36S 178.57W 422 6.5L,6.9
MOS II 24 17 28 44.8–.97 23.21S 178.85W 424 6.2b,5.8s
IDC II 24 17 28 45.5–.53 23.24S 178.87W 422–4 5.8,5.0b
GCMT II 24 17 28 55.8–.10 23.44S 178.77W 418–0 7.0W,5.0b
NEIC II 24 17 28 57 23.30S 178.84W 410 7.0W,5.0b
ISC Event type se. Moment Tensor Solution. NP1:ϕs191.18306°,δ30.57728°,λ-113.98842°. NP2:
ϕs38.51564°,δ62.30515°,λ-76.49253°. Principal axes: T Plg16.2687°,Azm118.6086°
; N Plg11.9357°,Azm212.1453°; P Plg69.6220°,Azm336.8301°
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=10.9km az=148.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{19}Nm; Mrr-1.06 Mθθ0.16 Mϕϕ0.90 Mrθ-1.01
Mθϕ-0.31 Mϕr-3.13 NP1:ϕs15.47000°,δ82.48000°,λ-82.19000°. NP2:ϕs149.13000°,δ10.83000°
,λ-135.83000°. Principal axes: T 3.2374,Plg37.0000°,Azm99.0000°; N 0.3813,Plg8.0000°
,Azm194.0000°; P -3.6187,Plg52.0000°,Azm294.0000° M0 3.44000×10^{19}
NOU South of Fiji Islands.
MOS Error ellipse: s-maj=7.6km s-min=6.4km az=111.8.
IDC Error ellipse: s-maj=8.7km s-min=6.9km az=31.0.

GCMT nsta1 refers to body waves, cutoff=50s. nsta2 refers to mantle waves, cutoff=125s. Triangular moment-rate function. Moment Tensor Solution. s172,c490; s171,c396; Duration: 7s3 Moment tensor: Scale 10^{19}Nm; M_{rr}-1.01±.01 $M_{\theta\theta}$0.12±.01; $M_{\phi\phi}$0.88±.01; $M_{r\theta}$-1.01±.01; $M_{\theta\phi}$-0.44±.01; $M_{r\phi}$-3.00±.01; Best double couple: NP1:ϕ_s15.00000°,δ83.00000°,λ-80.00000°. NP2:ϕ_s140.00000°,δ13.00000°,λ-144.00000°. Principal axes: T 3.1050,Plg37.0000°,Azm96.0000°; N 0.4170,Plg10.0000°,Azm194.0000°; P -3.5250,Plg51.0000°,Azm297.0000° $M_0$3.31500×10^{19}
NEIC Event type se. Moment Tensor Solution.Duration: 28s0 Moment tensor: Scale 10^{19}Nm; M_{rr}-1.01 $M_{\theta\theta}$0.21 $M_{\phi\phi}$0.80 $M_{r\theta}$-0.88 $M_{\theta\phi}$-0.38 $M_{r\phi}$-2.83 NP1:ϕ_s144.00000°,δ12.00000°,λ-139.00000°. NP2:ϕ_s14.00000°,δ82.00000°,λ-80.00000°. Principal axes: T 2.8863,Plg37.0000°,Azm96.0000°; N 0.4347,Plg9.0000°,Azm193.0000°; P -3.3210,Plg52.0000°,Azm294.0000° $M_0$3.13000×10^{19}
IDC II 25 06 14 31.0–44 24.15S 177.99W 0 4.5,4.5b ¶610384983
IDC Error ellipse: s-maj=806.0km s-min=147.1km az=88.0.
IDC II 27 15 48 01.3–55 23.13S 176.39W 0 3.7,3.7b ¶610385135
IDC Error ellipse: s-maj=1022.0km s-min=177.8km az=87.0.
ISC II 27 16 44 36.8–.51 24.29S–.07 179.30E–.08 531 4.2b 81 7-169
IDC II 27 16 44 36.6–2.0 24.18S 179.34E 525–19 4.3,3.4b **¶610243859**
NEIC II 27 16 44 37.3–2.0 24.2S–.10 179.3E–.10 524–8 4.4b,3.4b
NOU II 27 16 44 38.8 23.96S 179.24E 583 4.1b,3.4b
ISC Event type se.
IDC Error ellipse: s-maj=22.8km s-min=15.3km az=106.0.
NEIC Event type se. Error ellipse: s-maj=19.8km s-min=16.9km az=119.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU South of Fiji Islands.
IDC II 27 18 43 07.8–2.1 26.29S 177.48W 0 3.5,3.5b ¶610385147
IDC Error ellipse: s-maj=85.5km s-min=51.3km az=10.0.
ISC II 28 22 24 39.0–1.4 24.4S–.10 179.7E–.20 531 3.8b 9 7-139
IDC II 28 22 24 38.7–2.1 24.32S 179.70E 518–30 4.1,3.2b **¶610385233**
ISC Event type ke.
IDC Error ellipse: s-maj=40.4km s-min=20.7km az=59.0.
ISC III 02 02 05 07.0–.80 25.93S–.06 178.1W–.10 400 3.7b 42 3-144
IDC III 02 02 05 07.1–2.4 25.98S 178.52W 364–29 4.6,3.5b **¶610545361**
ISC Event type ke.
IDC Error ellipse: s-maj=33.5km s-min=17.8km az=89.0.
IDC III 03 11 50 49.1–14 21.02S 179.26E 514–156 4.1,3.2b ¶610545453
IDC Error ellipse: s-maj=255.0km s-min=48.4km az=157.0.
ISC III 03 16 46 28.2–.45 23.69S–.06 179.94W–.08 532 4.5b 168 6-153
NEIC III 03 16 46 26.3–1.5 23.61S–.05 179.9W–.10 510–9 4.6b **¶610470903**
IDC III 03 16 46 28.2–1.7 23.72S 179.87W 527–14 4.5,3.6b
NOU III 03 16 46 29.2 23.62S 179.75W 558 4.3b,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.7km s-min=7.1km az=83.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=24.0km s-min=16.1km az=125.0.
NOU South of Fiji Islands.
ISC III 04 09 12 43.6–.90 23.2S–.10 179.4E–.10 500 3.3b 15 6-170
IDC III 04 09 12 44.4–2.3 23.11S 179.46E 512–23 3.9,2.8b **¶610545512**
ISC Event type ke.
IDC Error ellipse: s-maj=31.4km s-min=22.4km az=147.0.
IDC III 04 16 46 13.4–6.9 23.56S 179.71E 0 3.6,3.6b ¶610545538
IDC Error ellipse: s-maj=327.3km s-min=72.3km az=154.0.
ISC III 04 17 36 39.8–.37 24.92S–.05 179.62E–.07 507 4.7b 262 5-168
NEIC III 04 17 36 38.7–1.9 24.97S–.10 179.7E–.10 490–7 4.7b **¶615092502**
NOU III 04 17 36 39.7 24.90S 179.91E 520 4.8b
IDC III 04 17 36 40.5–1.0 24.83S 179.53E 507–8 4.8,3.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.8km s-min=13.8km az=83.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU South of Fiji Islands.
IDC Error ellipse: s-maj=11.9km s-min=11.7km az=133.0.
ISC III 04 22 12 20.2–.95 23.6S–.20 179.7W–.10 536 4.2b 29 10-66
IDC III 04 22 10 43.3–26 22.05S 173.32W 0 4.7,4.7b **¶611149159**
NEIC III 04 22 12 20.5–1.3 23.6S–.20 179.67W–.05 540–16 4.3b,4.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 05 21 32 50.4–.43 24.44S–.06 179.78E–.07 532 4.2b 128 5-169
NOU III 05 21 32 49.2 24.33S 179.94W 542 4.4b **¶610246804**
IDC III 05 21 32 49.6–1.3 24.37S 179.78E 519–12 4.4,3.5b
NEIC III 05 21 32 51.1–1.1 24.5S–.10 179.7E–.10 532–9 4.3b,3.5b
ISC Event type se.
NOU South of Fiji Islands.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 06 03 06 19.0–.41 19.65S–.05 178.43E–.05 25–2 5.3b,4.4s 787 2-173
MOS III 06 03 06 19.5–1.2 19.62S 178.36E 34 5.4b,4.4s **¶615092506**
NOU III 06 03 06 19.6 19.74S 178.68E 32 5.4b,4.4s
NEIC III 06 03 06 21.4–1.4 19.61S–.06 178.4E–.10 36–5 5.3b,4.4s
IDC III 06 03 06 21.5–2.0 19.59S 178.35E 40–16 5.1,4.9b
GCMT III 06 03 06 23.4–.20 19.64S–.01 178.45E–.02 21–0 5.2W,4.9b
BJI III 06 03 06 25.8–.00 19.08S 177.75E 53 5.4b,5.3b
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s306.12994°,δ66.62840°,λ65.40890°. NP2: ϕ_s175.21094°,δ33.41603°,λ133.91872°. Principal axes: T Plg60.5426°,Azm179.3779°; N Plg22.4574°,Azm316.4197°; P Plg18.0420°,Azm54.1574°
MOS Error ellipse: s-maj=9.0km s-min=8.5km az=53.6.
NOU South of Fiji Islands.
NEIC Event type se. Error ellipse: s-maj=14.0km s-min=9.4km az=88.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=15.1km s-min=9.9km az=109.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s62,c89; s100,c155;Duration: 1s0 Moment tensor: Scale 10^{16}Nm; M_{rr}6.66±.29 $M_{\theta\theta}$-5.06±.20; $M_{\phi\phi}$-1.60±.19; $M_{r\theta}$-1.28±.33; $M_{\theta\phi}$4.06±.11; $M_{r\phi}$1.91±.34; Best double couple: NP1:ϕ_s311.00000°,δ54.00000°,λ100.00000°. NP2:ϕ_s115.00000°,δ37.00000°,λ77.00000°. Principal axes: T 7.0940,Plg78.0000°,Azm259.0000°; N 0.9570,Plg8.0000°,Azm125.0000°; P -8.0510,Plg8.0000°,Azm34.0000° $M_0$7.57300×10^{16}
IDC III 06 06 07 35.6–18 22.85S 177.95W 179–123 3.9,3.4b ¶610545626
IDC Error ellipse: s-maj=214.0km s-min=34.5km az=138.0.
ISC III 06 15 19 51.2–1.3 26.0S–.10 179.9E–.10 500 4.1b 48 4-145
IDC III 06 15 19 44.8–10 25.76S 179.96W 424–104 4.3,3.4b **¶610545670**
NEIC III 06 15 19 51.5–1.1 26.3S–.10 179.9E–.30 487–19 4.3b,3.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 06 18 18 02.3–.28 23.97S–.04 179.03E–.04 565–2 5.0b 832 6-169
BJI III 06 18 18 01.5–.00 23.63S 179.03E 551 5.0b,4.9b **¶610470924**
MOS III 06 18 18 01.1–.84 23.99S 179.00E 559 5.1b,4.9b
IDC III 06 18 18 02.3–.44 23.98S 178.95E 557–4 5.3,4.4b
NOU III 06 18 18 02.4 23.96S 179.21E 577 4.9L,4.4b
NEIC III 06 18 18 02.1–2.2 24.02S–.09 179.0E–.10 558–5 5.0b,4.4b
GCMT III 06 18 18 06.2–.50 24.01S–.06 178.85E–.05 563–3 5.3W,4.4b
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s269.84860°,δ24.76373°,λ-59.24386°. NP2: ϕ_s56.60992°,δ68.90208°,λ-103.27343°. Principal axes: T Plg22.8022°,Azm156.7534°; N Plg12.3690°,Azm61.4636°; P Plg63.7167°,Azm305.1016°
NOU South of Fiji Islands.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. Moment Tensor Solution. s50,c60;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}0.01±.04 $M_{\theta\theta}$0.12±.07; $M_{\phi\phi}$-0.13±.07; $M_{r\theta}$-0.91±.06; $M_{\theta\phi}$0.18±.06; $M_{r\phi}$-0.62±.07; Best double couple: NP1: ϕ_s55.00000°,δ87.00000°,λ-93.00000°. NP2:ϕ_s286.00000°,δ4.00000°,λ-39.00000°. Principal axes: T 1.2230,Plg42.0000°,Azm148.0000°; N -0.2230,Plg3.0000°,Azm55.0000°; P -1.0000,Plg47.0000°,Azm322.0000° $M_0$1.11100×10^{17}
ISC III 06 20 35 11.4–.50 23.92S–.06 179.11W–.07 450 4.2b 86 5-151
IDC III 06 20 35 09.6–2.2 23.78S 179.18W 423–24 4.4,3.6b **¶610545683**
NOU III 06 20 35 11.7 23.83S 178.92W 482 4.3b,3.6b
NEIC III 06 20 35 12.7–1.9 23.8S–.20 179.0W–.10 475–15 4.4b,3.6b
ISC Event type se.
NOU South of Fiji Islands.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 11 01 18 11.8–2.3 23.7S–.10 177.2W–.30 200 3.7b 9 15-146
IDC III 11 01 18 09.1–10 23.33S 177.12W 176–84 4.1,3.5b **¶610545989**
ISC Event type ke.
IDC Error ellipse: s-maj=71.3km s-min=51.2km az=41.0.
ISC III 11 17 36 07.5–5.8 24.6S–.70 179.8E–.60 500 4.0b 17 12-66
IDC III 11 17 34 19.1–10 22.04S 172.00W 0 4.1,4.1b **¶610546025**
NEIC III 11 17 36 07.2–.51 24.4S–.20 179.9E–.30 507–24 4.1b,4.1b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 14 18 56 43.3–.99 24.2S–.20 179.7W–.10 512 4.0b 18 10-66
IDC III 14 18 55 30.0–59 22.71S 176.37W 0 4.0,4.0b **¶611149247**
NEIC III 14 18 56 40.9–1.1 24.4S–.20 179.8W–.10 454–17 4.1b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 15 01 17 16.5–.58 24.63S–.08 179.84E–.09 517 4.2b 49 7-149
IDC III 15 01 17 13.9–2.1 24.41S 179.89E 482–25 4.3,3.4b **¶610546225**
NEIC III 15 01 17 18.3–1.8 24.6S–.10 179.8E–.20 539–10 4.3b,3.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 15 22 39 37.0–.72 23.9S–.20 179.97W–.10 518 4.1b 26 6-90
IDC III 15 22 39 35.0–2.2 24.11S 179.82W 495–22 4.2,3.3b **¶610546280**
NEIC III 15 22 39 37.1–1.5 24.1S–.20 179.9E–.10 517–21 4.1b,3.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 16 08 29 14.4–.30 23.65S–.04 179.18E–.04 547–3 5.0b 1038 6-170
BJI III 16 08 29 12.5–.00 23.21S 179.62E 535 5.0b,4.9b **¶615092526**
MOS III 16 08 29 13.9–.81 23.63S 179.10E 545 5.0b,4.9b
NOU III 16 08 29 14.5 23.54S 179.47E 570 5.1b,4.9b
NEIC III 16 08 29 14.1–1.3 23.72S–.08 179.2E–.10 537–7 5.0b,4.9b
IDC III 16 08 29 15.2–.45 23.60S 179.09E 550–4 5.3,4.4b
GCMT III 16 08 29 18.1–.20 23.58S–.02 179.15E–.02 555–1 5.4W,4.4b
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s313.95566°,δ51.97287°,λ-59.31967°. NP2: ϕ_s90.03303°,δ47.35452°,λ-123.12244°. Principal axes: T Plg2.4894°,Azm22.7854°; N Plg23.6990°,Azm113.8789°; P Plg66.1545°,Azm287.1407°
NOU South of Fiji Islands.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. Moment Tensor Solution. s119,c198;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.49±.03 $M_{\theta\theta}$1.20±.05; $M_{\phi\phi}$0.28±.05; $M_{r\theta}$0.20±.06; $M_{\theta\phi}$-0.90±.04; $M_{r\phi}$-0.17±.05; Best double couple: NP1: ϕ_s303.00000°,δ50.00000°,λ-88.00000°. NP2:ϕ_s120.00000°,δ41.00000°,λ-93.00000°. Principal axes: T 1.7740,Plg5.0000°,Azm32.0000°; N -0.2690,Plg2.0000°,Azm122.0000°; P -1.5110,Plg85.0000°,Azm232.0000° $M_0$1.64300×10^{17}
ISC III 17 10 18 40.9–.31 23.59S–.04 176.85W–.04 126–2 5.5b 1567 6-178
MOS III 17 10 18 38.5–.90 23.45S 177.06W 108 5.5b **¶610331619**
BJI III 17 10 18 39.0–.00 23.00S 176.24W 121 5.4b,5.3b
NEIC III 17 10 18 39.1 23.59S 176.77W 104 5.4b,5.3b
IDC III 17 10 18 39.4–1.7 23.48S 176.99W 107–14 5.5,5.1b
NEIC III 17 10 18 40.3–2.5 23.58S–.07 176.77W–.09 115–1 5.5,5.5b
NEIC III 17 10 18 40.3 23.58S 176.77W 130 5.5,5.5b
NEIC III 17 10 18 40.3 23.78S 176.34W 130 5.5,5.5b
GCMT III 17 10 18 43.3–.10 23.60S–.01 176.62W–.01 124–0 5.4W,5.5b
NOU III 17 10 18 43.2 23.71S 176.63W 160 5.4L,5.5b
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s344.63074°,δ58.57126°,λ-110.18118°. NP2: ϕ_s199.81032°,δ36.78360°,λ-60.55322°. Principal axes: T Plg11.3973°,Azm89.0403°; N Plg17.1201°,Azm355.4803°; P Plg69.2340°,Azm211.1560°
MOS Error ellipse: s-maj=8.6km s-min=7.3km az=82.7.
NEIC Event type se.
IDC Error ellipse: s-maj=10.5km s-min=9.7km az=104.0.
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=11.6km az=106.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-1.23 $M_{\theta\theta}$-0.20 $M_{\phi\phi}$1.43 $M_{r\theta}$-0.51 $M_{\theta\phi}$0.11 $M_{r\phi}$-1.24 NP1:ϕ_s17.58000°,δ68.13000°,λ-77.92000°. NP2:ϕ_s167.69000°,δ24.84000°,λ-117.54000°. Principal axes: T 1.9623,Plg22.0000°,Azm98.0000°; N -0.1204,Plg11.0000°,Azm193.0000°; P -1.8419,Plg65.0000°,Azm308.0000° $M_0$1.90000×10^{17}
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2s5 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.25 $M_{\theta\theta}$0.19 $M_{\phi\phi}$1.06 $M_{r\theta}$-0.25 $M_{\theta\phi}$0.14 $M_{r\phi}$-1.19 NP1:ϕ_s10.99000°,δ68.08000°,λ-88.50000°. NP2:ϕ_s186.98000°,δ21.97000°,λ-93.72000°. Principal axes: T 1.6000,Plg23.0000°,Azm100.0000°; N 0.1707,Plg1.0000°,Azm190.0000°; P -1.7707,Plg67.0000°,Azm284.0000° $M_0$1.69000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s138,c236; s153,c293;Duration: 1s3 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.91±.02 $M_{\theta\theta}$-0.03±.02; $M_{\phi\phi}$0.94±.02; $M_{r\theta}$-0.53±.02; $M_{\theta\phi}$-0.22±.02; $M_{r\phi}$-1.38±.02; Best double couple: NP1:ϕ_s14.00000°,δ75.00000°,λ-75.00000°. NP2:ϕ_s148.00000°,δ21.00000°,λ-134.00000°. Principal axes: T 1.6810,Plg28.0000°,Azm92.0000°; N 0.1470,Plg15.0000°,Azm190.0000°; P -1.8280,Plg57.0000°,Azm304.0000° $M_0$1.75400×10^{17}
NOU South of Fiji Islands.
IDC III 18 10 18 35.0–11 23.82S 179.86E 539–115 4.1,3.2b ¶610546443
IDC Error ellipse: s-maj=235.9km s-min=24.1km az=158.0.
IDC III 18 14 32 05.6–12 23.25S 176.67W 430–160 3.5,2.4b ¶610546459
IDC Error ellipse: s-maj=93.1km s-min=33.8km az=173.0.
ISC III 19 03 18 03.3–.35 24.09S–.05 179.71W–.06 500 4.5b 159 5-169
NOU III 19 03 18 01.3 24.08S 179.31W 508 4.7b **¶610345957**
NEIC III 19 03 18 02.8–1.7 24.07S–.10 179.7W–.10 483–8 4.5b
IDC III 19 03 18 02.3–1.1 23.96S 179.77W 482–10 4.6,3.8b
ISC Event type se.
NOU South of Fiji Islands.
NEIC Event type se. Error ellipse: s-maj=16.3km s-min=12.5km az=131.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=14.2km s-min=12.8km az=119.0.
IDC III 19 17 13 19.1–13 23.60S 178.83W 517–143 4.3,3.3b ¶610546525
IDC Error ellipse: s-maj=248.4km s-min=78.6km az=66.0.
ISC III 20 12 02 01.2–.50 23.52S–.09 179.39E–.09 548 4.2b 62 11-169
IDC III 20 12 01 59.5–2.2 23.54S 179.33E 519–22 4.3,3.3b **¶610543329**
NEIC III 20 12 02 01.8–1.4 23.6S–.20 179.3E–.20 541–20 4.3b,3.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 20 17 12 29.7–.58 23.93S–.08 179.99W–.08 550 4.5b 70 6-148
NEIC III 20 17 12 28.0–1.7 23.8S–.10 179.7W–.10 544–13 4.7b **¶610543344**
IDC III 20 17 12 29.8–1.6 23.69S 179.90E 539–17 4.4,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.1km s-min=18.2km az=121.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=19.8km s-min=14.4km az=165.0.
IDC III 20 21 29 41.9–23 24.48S 179.16E 682–241 4.1,2.9b ¶610543357
IDC Error ellipse: s-maj=185.0km s-min=101.2km az=88.0.
IDC III 21 06 59 57.4–30 23.07S 178.64W 550–267 4.2,3.2b

¶610543387
IDC Error ellipse: s-maj=244.1km s-min=60.1km az=62.0.
IDC III 21 19 43 38.4–7.6 23.02S 176.89W 0 3.3,3.3b
¶610543422
IDC Error ellipse: s-maj=314.1km s-min=66.7km az=147.0.
IDC III 22 18 15 39.4–18 22.36S 178.53W 650–223 4.0,3.0b
¶610543479
IDC Error ellipse: s-maj=160.6km s-min=72.8km az=140.0.
ISC III 22 23 38 30.5–.59 23.7S–.10 179.76W–.10 532 4.3b 36 6-169
NEIC III 22 23 38 29.6–1.8 23.7S–.10 179.6W–.10 525–5 4.4b ¶610543495
IDC III 22 23 38 31.5–3.5 23.71S 179.94W 528–35 4.2,3.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.1km s-min=14.8km az=143.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=58.1km s-min=21.5km az=152.0.
ISC III 23 16 46 13.1–.89 22.3S–.10 179.6W–.10 592 4.3b 40 5-147
NEIC III 23 16 46 12.4–1.1 22.2S–.20 179.4W–.20 592–12 4.4b ¶610543555
IDC III 23 16 46 13.9–3.5 22.20S 179.72W 588–24 4.2,3.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=25.7km s-min=21.9km az=77.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=63.9km s-min=18.7km az=134.0.
ISC III 23 18 01 18.2–.70 24.83S–.08 177.68W–.09 300 4.3b 44 4-168
IDC III 23 18 01 10.7–7.5 24.42S 177.87W 205–41 4.0,3.3b ¶610543560
NEIC III 23 18 01 22.5–.56 24.4S–.10 178.0W–.10 319–11 4.5b,3.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 23 23 15 43.7–.45 24.87S–.06 177.02W–.07 126 4.2b 87 4-168
NEIC III 23 23 15 40.1–1.9 24.79S–.08 176.9W–.10 94–8 4.4b ¶610471015
IDC III 23 23 15 45.5–1.1 24.60S 177.35W 138–8 4.3,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.0km s-min=10.7km az=117.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=25.3km s-min=17.5km az=156.0.
IDC III 24 03 36 25.3–25 24.68S 179.20W 188–172 4.9L,3.9
¶610543574
IDC Error ellipse: s-maj=293.7km s-min=43.5km az=139.0.
ISC III 26 12 39 19.4–.86 23.39S–.09 179.6W–.10 550 4.3b 36 6-85
IDC III 26 12 39 19.6–3.8 23.17S 179.49W 571–50 4.4,3.6b ¶610543724
NEIC III 26 12 39 20.1–1.4 23.3S–.10 179.6W–.10 561–11 4.4b,3.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 26 17 37 09.4–.43 24.21S–.06 179.52W–.07 500 4.5b 135 5-153
NEIC III 26 17 37 07.8–2.3 24.3S–.10 179.2W–.20 495–8 4.5b ¶610435178
NOU III 26 17 37 10.9 24.20S 179.40W 512 4.3b
IDC III 26 17 37 10.3–1.8 24.29S 179.57W 499–17 4.3,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.0km s-min=16.5km az=95.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU South of Fiji Islands.
IDC Error ellipse: s-maj=21.5km s-min=13.8km az=120.0.
ISC III 28 02 50 31.1–.72 22.75S–.07 179.9W–.10 550 4.0b 39 5-144
IDC III 28 02 50 32.3–1.6 22.58S 179.64W 577–14 4.4,3.5b ¶610543825
ISC Event type ke.
IDC Error ellipse: s-maj=22.4km s-min=16.9km az=113.0.
ISC III 28 04 37 07.5–.69 24.34S–.07 176.52W–.10 100 4.3b 18 5-150
IDC III 28 04 37 09.6–2.8 24.38S 176.73W 114–23 4.3,3.8b ¶610543832
ISC Event type ke.
IDC Error ellipse: s-maj=27.1km s-min=21.3km az=147.0.
IDC III 29 12 35 38.1–2.9 20.75S 179.44E 0 3.5,3.5b
¶610543928
IDC Error ellipse: s-maj=284.7km s-min=35.4km az=162.0.
ISC III 30 15 40 06.1–.28 23.35S–.05 179.70W–.06 536 4.5b 572 5-170
NEIC III 30 15 40 04.9–2.4 23.35S–.10 179.7W–.10 517–2 4.6b ¶615092552
IDC III 30 15 40 05.7–1.0 23.25S 179.78W 526–11 4.6,3.8b
NOU III 30 15 40 06.5 23.33S 179.53W 553 4.7b,3.8b
BGR III 30 15 40 08.3 23.27S 179.54W 500 4.7b,3.8b
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=14.9km s-min=13.3km az=127.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=12.8km s-min=9.9km az=109.0.
NOU South of Fiji Islands.
BGR Event type ke.
ISC III 30 15 51 03.0–.60 23.32S–.07 179.75W–.08 536 4.3b 68 6-145
IDC III 30 15 51 01.9–1.8 23.39S 179.67W 523–16 4.4,3.5b ¶610544000
NEIC III 30 15 51 02.5–2.1 23.5S–.10 179.7W–.10 519–6 4.4b,3.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 31 11 31 32.5–2.2 25.61S–.06 176.74W–.08 13–14 4.5b 92 4-151
NEIC III 31 11 31 32.0–1.8 25.57S–.07 176.6W–.10 10–1 4.7b ¶610471053
NOU III 31 11 31 38.2 25.69S 175.97W 104 4.7b
IDC III 31 11 31 38.3–2.3 25.45S 176.93W 52–19 4.5L,4.4
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.9km s-min=10.5km az=111.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU South of Tonga Islands.
IDC Error ellipse: s-maj=19.7km s-min=15.7km az=111.0.
ISC III 31 17 23 32.5–.47 23.79S–.06 179.69W–.08 512 4.5b 114 6-169
IDC III 31 17 23 32.1–1.6 23.70S 179.84W 496–13 4.6,3.7b ¶610544064
NEIC III 31 17 23 32.2–2.2 23.86S–.05 179.6W–.10 506–9 4.5b,3.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 31 17 48 14.3–2.0 23.6S–.70 176.7W–.30 150 4.1b 15 8-91
IDC III 31 17 47 59.0–5.8 24.16S 176.83W 0 4.0,4.0b ¶610544067
NEIC III 31 17 48 13.8–.95 23.5S–.60 176.8W–.40 133–23 4.4b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 01 05 26 57.2–1.5 22.7S–.10 179.5W–.20 550 4.0b 12 5-144
IDC IV 01 05 26 57.6–1.7 22.68S 179.68W 545–15 4.3,3.3b ¶610651682
ISC Event type ke.
IDC Error ellipse: s-maj=31.2km s-min=22.1km az=63.0.
ISC IV 01 05 39 30.0–.71 24.15S–.08 179.9W–.10 500 4.3b 47 7-148
NEIC IV 01 05 39 27.8–1.6 24.1S–.10 179.5W–.20 495–5 4.4b ¶610651683
IDC IV 01 05 39 31.7–1.5 23.95S 179.97W 511–13 4.4,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=23.1km s-min=18.4km az=102.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=18.9km s-min=14.7km az=104.0.
ISC IV 01 19 40 07.6–.64 22.1S–.10 176.46W–.09 171 4.1b 43 7-152
NEIC IV 01 19 40 07.7–2.1 22.17S–.04 176.6W–.10 157–10 4.2b ¶610651721
IDC IV 01 19 40 09.5–4.0 22.14S 176.58W 188–31 4.2,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.5km s-min=6.0km az=96.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=32.5km s-min=19.3km az=117.0.
ISC IV 02 15 03 49.9–.62 25.35S–.06 179.54E–.08 507 4.2b 75 5-87
NOU IV 02 15 03 49.5 25.27S 179.16E 506 4.0b ¶610651764
NEIC IV 02 15 03 49.2–.72 25.5S–.10 179.7E–.20 505–13 4.4b
IDC IV 02 15 03 49.5–3.3 25.41S 179.52E 494–37 4.2,3.2b
ISC Event type se.
NOU South of Fiji Islands.
NEIC Event type se. Error ellipse: s-maj=22.9km s-min=18.5km az=127.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=51.6km s-min=23.7km az=36.0.
ISC IV 02 23 58 57.2–.32 22.23S–.06 179.57W–.06 592 4.7b 232 5-154
NOU IV 02 23 58 43.9 21.57S 177.88W 520 4.3b ¶610471067
IDC IV 02 23 58 56.8–.88 22.19S 179.56W 586–8 4.7,3.7b
NEIC IV 02 23 58 58.2–1.6 22.2S–.10 179.6W–.10 596–6 4.7b,3.7b
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s12.66708°,δ72.37853°,λ-78.59171°. NP2: ϕ_s158.98122°,δ20.89318°,λ-121.91185°. Principal axes: T Plg26.5227°,Azm93.6739° ; N Plg10.8663°,Azm189.1714°; P Plg61.0063°,Azm299.4384°
NOU Fiji Islands Region.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 03 00 36 46.1–.33 23.68S–.04 179.37E–.05 545–3 4.6b 474 6-169
BGR IV 03 00 35 47.5 23.60S 179.07W 33 4.6b ¶611832213
IDC IV 03 00 36 45.9–.52 23.67S 179.25E 536–4 4.6,3.8b
NEIC IV 03 00 36 46.8–2.2 23.66S–.09 179.3E–.10 543–5 4.6b,3.8b
NOU IV 03 00 36 46.0 23.66S 179.52E 552 4.8b,3.8b
ISC Event type ke.
BGR Event type ke.
IDC Error ellipse: s-maj=10.5km s-min=8.5km az=114.0.
NEIC Event type se. Error ellipse: s-maj=15.3km s-min=12.3km az=127.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU South of Fiji Islands.
ISC IV 04 14 14 30.0–1.2 24.8S–.20 179.9E–.20 500 4.0b 20 5-76
IDC IV 04 14 13 29.2–46 23.46S 178.29W 0 3.9,3.9b ¶611149433
NEIC IV 04 14 14 29.8–1.5 24.6S–.20 179.9W–.30 519–20 4.1b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IV 06 05 35 55.3–3.0 24.09S 179.89E 527–39 3.7,2.8b
¶610652053
IDC Error ellipse: s-maj=40.7km s-min=27.3km az=166.0.
IDC IV 06 22 14 14.8–6.2 22.89S 176.59W 0 4.0,4.0b
¶610652107
IDC Error ellipse: s-maj=310.2km s-min=69.6km az=153.0.
ISC IV 07 05 56 21.8–.61 25.11S–.05 179.72E–.07 521–6 4.5b 162 5-168
IDC IV 07 05 56 21.3–.92 25.04S 179.67E 512–9 4.5,3.6b ¶610598319
NOU IV 07 05 56 21.2 25.19S 179.85E 520 4.5b,3.6b
NEIC IV 07 05 56 23.3–1.5 25.2S–.10 179.7E–.10 531–8 4.6b,3.6b
ISC Event type se.
NOU South of Fiji Islands.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 07 11 04 38.0–.71 23.5S–.10 179.44E–.10 500 4.4b 36 6-147
IDC IV 07 11 04 37.6–7.4 23.67S 179.16E 465–82 4.4,3.5b ¶610652147
NEIC IV 07 11 04 38.6–1.6 23.30S–.08 179.6E–.20 530–18 4.4b,3.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 09 09 16 29.3–2.5 26.1S–.30 178.8W–.30 400 4.0b 25 3-82
NEIC IV 09 09 16 28.7–2.0 26.1S–.20 178.8W–.20 397–13 4.1b ¶610652290
IDC IV 09 09 16 39.8–54 25.10S 179.50W 520–200 4.5,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=32.2km s-min=19.1km az=60.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=696.9km s-min=90.3km az=86.0.
ISC IV 09 15 46 28.0–.87 26.05S–.08 177.6W–.10 250 3.9b 20 3-76
NEIC IV 09 15 46 16.2–1.4 25.09S–.05 177.2W–.20 166–11 4.2b ¶610652306
IDC IV 09 15 46 45.1–2.8 24.88S 177.57W 485–52 4.1,3.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=26.6km s-min=4.2km az=102.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=61.9km s-min=34.8km az=95.0.
ISC IV 10 01 29 47.2–.47 24.94S–.07 179.86E–.07 501 4.3b 67 5-150
NEIC IV 10 01 29 47.1–2.0 25.1S–.10 179.9E–.10 491–4 4.5b ¶610526823
IDC IV 10 01 29 49.2–1.3 24.95S 179.64E 513–14 4.5,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.2km s-min=13.9km az=162.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=14.7km s-min=12.7km az=167.0.
ISC IV 10 17 40 10.3–.67 24.2S–.10 180.0W–.10 518 3.6b 16 7-169
IDC IV 10 17 40 10.2–2.0 24.24S 179.95W 513–22 4.1,3.2b ¶610652401
ISC Event type ke.
IDC Error ellipse: s-maj=21.8km s-min=16.5km az=145.0.
IDC IV 13 09 35 09.0–7.0 23.60S 178.47E 526–28 3.9,3.0b
¶610652625
IDC Error ellipse: s-maj=146.6km s-min=41.8km az=127.0.
IDC IV 13 13 06 34.0–13 19.73S 178.62E 364–33 3.5,2.9b
¶610652636
IDC Error ellipse: s-maj=350.2km s-min=60.1km az=135.0.
ISC IV 13 13 09 31.2–.72 26.71S–.08 176.9W–.10 95 4.2b 26 3-166
IDC IV 13 13 09 32.5–2.9 26.89S 177.03W 95–26 4.4,3.7b ¶610652638
NEIC IV 13 13 09 32.6–1.6 26.79S–.09 177.1W–.20 86–10 4.3b,3.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IV 14 03 49 41.0–45 21.66S 179.50E 590–357 3.9,2.9b
¶610652682
IDC Error ellipse: s-maj=1135.0km s-min=104.0km az=89.0.
NOU IV 15 03 43 42.9 26.71S 178.44W 101 4.5b
¶612489471
NOU South of Fiji Islands.
ISC IV 15 04 53 18.0–.30 23.56S–.05 179.99E–.06 535 4.6b 368 5-170
BGR IV 15 04 53 17.4 23.46S 179.14W 530 4.6b ¶610598367
IDC IV 15 04 53 18.1–.71 23.46S 179.97W 531–6 4.8,3.9b
NOU IV 15 04 53 18.2 23.59S 179.83W 543 4.8b,3.9b
NEIC IV 15 04 53 18.3–1.6 23.47S–.05 180.0E–.10 533–6 4.6b,3.9b
ISC Event type ke.
BGR Event type ke.
NOU South of Fiji Islands.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IV 15 13 20 26.8–54 22.02S 177.58W 0 4.0,4.0b
¶610652798
IDC Error ellipse: s-maj=991.6km s-min=159.6km az=85.0.
ISC IV 16 17 59 20.9–.28 24.38S–.04 180.00W–.04 512–2 4.9b 920 5-171
NEIC IV 16 17 59 19.8–2.1 24.41S–.09 180.0W–.10 501–6 4.8b ¶615092583
NOU IV 16 17 59 21.6 24.38S 179.97E 518 4.7L
IDC IV 16 17 59 21.2–.43 24.38S 179.88E 506–4 5.1,4.3b
GCMT IV 16 17 59 23.8–.50 24.49S–.05 179.98E–.04 522–2 5.3W,4.3b
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s213.84850°,δ75.46448°,λ109.61607°. NP2: ϕ_s339.00205°,δ24.24287°,λ37.67953°. Principal axes: T Plg55.3076°,Azm148.4985° ; N Plg18.9638°,Azm28.7370°; P Plg27.8578°,Azm288.2732°
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU South of Fiji Islands.
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. Moment Tensor Solution. s64,c76;Duration: 1τ1 Moment tensor: Scale 10^{17}Nm; M_{rr}0.24±.03 $M_{\theta\theta}$-0.01±.05; $M_{\phi\phi}$-0.22±.04; $M_{r\theta}$-0.33±.05; $M_{\theta\phi}$-0.35±.05; $M_{\phi r}$-0.88±.04; Best double couple: NP1: ϕ_s199.00000°,δ81.00000°,λ79.00000°. NP2:ϕ_s70.00000°,δ15.00000°,λ140.00000°. Principal axes: T 0.9220,Plg53.0000°,Azm96.0000°; N 0.1920,Plg11.0000°,Azm201.0000° ; P -1.1140,Plg35.0000°,Azm299.0000° $M_0$1.01800×10^{17}

ISC IV 17 04 23 01.1–.58 24.48S–.08 179.99W–.10 500 4.3b 45 5-169
IDC IV 17 04 23 01.6–1.9 24.49S 179.93E 497–19 4.3,3.4b
NEIC IV 17 04 23 01.7–1.5 24.49S–.08 180.0E–.10 510–9 4.4b,3.4b ¶610652909
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IV 17 11 22 26.2–13 26.07S 178.86W 353–149 3.5,2.6b ¶610652924
IDC Error ellipse: s-maj=68.7km s-min=35.2km az=12.0.
ISC IV 17 17 56 07.4–.84 23.8S–.10 179.6W–.10 450 4.3b 81 15-169
NEIC IV 17 17 56 07.4–1.3 23.6S–.20 179.5W–.20 460–15 4.5b ¶610532520
IDC IV 17 17 56 09.8–7.9 23.78S 179.74W 464–74 4.4,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=34.3km s-min=22.5km az=50.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=60.0km s-min=17.7km az=51.0.
ISC IV 18 01 44 56.2–2.2 24.7S–.10 179.9W–.30 450 3.7b 8 7-42
IDC IV 18 01 44 57.1–2.7 24.61S 179.94E 454–79 4.1,3.2b ¶610652958
ISC Event type ke.
IDC Error ellipse: s-maj=114.1km s-min=21.9km az=73.0.
IDC IV 19 17 10 56.8–8.2 23.01S 178.24W 0 3.4,3.4b ¶610653062
IDC Error ellipse: s-maj=341.1km s-min=61.3km az=148.0.
ISC IV 20 10 33 52.8–.36 25.53S–.05 179.65E–.07 507 4.5b 180 4-168
IDC IV 20 10 33 51.3–.89 25.64S 179.52E 483–9 4.6,3.6b ¶610598417
NOU IV 20 10 33 52.3 25.50S 179.82E 544 4.7b,3.6b
NEIC IV 20 10 33 52.1–2.1 25.6S–.10 179.6E–.10 491–7 4.5b,3.6b
ISC Event type se.
NOU South of Fiji Islands.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 20 14 12 18.2–.58 23.90S–.08 179.62W–.09 512 4.4b 76 6-148
NEIC IV 20 14 12 19.1–1.2 23.9S–.10 179.56W–.05 535–13 4.5b ¶610653119
IDC IV 20 14 12 20.0–2.2 23.88S 179.99E 496–19 4.4,3.5b
NOU IV 20 14 12 20.1 23.82S 179.67W 519 4.3b,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.5km s-min=6.1km az=177.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=37.2km s-min=19.7km az=135.0.
NOU South of Fiji Islands.
ISC IV 22 19 11 30.0–1.0 22.1S–.10 179.4W–.20 592 4.3b 42 5-152
IDC IV 22 19 11 29.6–4.2 22.14S 179.38W 589–28 4.4,3.4b ¶610653278
NEIC IV 22 19 11 31.5–1.6 22.2S–.20 179.5W–.20 595–12 4.3b,3.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 22 23 02 53.9–.77 25.39S–.08 179.6E–.10 507 4.2b 46 8-150
NEIC IV 22 23 02 53.6–1.6 25.4S–.10 179.7E–.10 501–9 4.3b ¶610598432
IDC IV 22 23 02 54.3–1.6 25.32S 179.51E 511–20 4.3,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.3km s-min=15.4km az=197.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=17.4km s-min=17.2km az=130.0.
ISC IV 23 11 17 03.8–1.5 26.4S–.10 177.9W–.20 174 4.0b 31 3-76
NEIC IV 23 11 17 04.8–2.2 26.34S–.03 177.7W–.20 189–14 4.1b ¶610649813
IDC IV 23 11 17 06.0–3.5 26.11S 177.80W 206–37 4.2,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=32.2km s-min=3.8km az=88.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=45.7km s-min=20.3km az=50.0.
ISC IV 23 13 21 02.4–.38 23.77S–.06 179.91W–.07 518 4.6b 200 6-169
NEIC IV 23 13 21 03.8–2.0 23.7S–.10 179.9W–.10 530–8 4.7b ¶610547559
IDC IV 23 13 21 03.1–1.2 23.73S 179.98W 521–11 4.6,3.8b
NOU IV 23 13 21 04.8 23.63S 179.90W 551 4.7b,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.8km s-min=15.0km az=116.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=14.0km s-min=11.1km az=79.0.
NOU South of Fiji Islands.
IDC IV 24 01 19 47.0–7.2 26.19S 176.65W 0 3.5,3.5b ¶610649846
IDC Error ellipse: s-maj=276.0km s-min=115.8km az=159.0.
ISC IV 26 19 43 58.6–1.6 23.7S–.10 180.0W–.20 500 4.5b 33 6-145
IDC IV 26 19 43 59.9–2.8 23.87S 179.90W 523–20 4.5,3.6b ¶610650085
NEIC IV 26 19 43 59.2–1.5 23.7S–.20 179.7W–.20 529–21 4.5b,3.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 26 22 25 19.9–.38 22.19S–.06 179.47W–.07 592 4.6b 266 5-154
NEIC IV 26 22 25 19.4–1.5 22.19S–.08 179.5W–.10 571–6 4.7b ¶610560078
IDC IV 26 22 25 19.3–1.2 22.18S 179.61W 573–11 4.7,3.8b
NOU IV 26 22 25 20.5 22.12S 179.50W 596 4.9b,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.1km s-min=11.5km az=82.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=14.4km s-min=11.8km az=130.0.
NOU South of Fiji Islands.
IDC IV 27 04 13 20.2–7.7 22.17S 179.04E 632–76 4.2,3.2b ¶610650099
IDC Error ellipse: s-maj=227.5km s-min=22.2km az=158.0.
IDC IV 27 11 29 35.2–38 21.52S 179.48E 597–311 3.8,2.8b ¶610650126
IDC Error ellipse: s-maj=966.8km s-min=108.2km az=89.0.
ISC IV 28 16 28 37.2–.80 23.64S–.09 179.9W–.10 500 4.3b 41 6-148
IDC IV 28 16 28 38.9–1.9 23.61S 179.86W 524–19 4.4,3.6b ¶610650233
NEIC IV 28 16 28 38.3–1.6 23.7S–.20 179.9W–.20 504–18 4.3b,3.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 29 14 36 12.3–.70 26.10S–.08 179.7E–.10 503 4.2b 72 4-167
IDC IV 29 14 36 08.1–3.1 25.97S 179.91E 465–29 4.4,3.5b ¶610598479
NEIC IV 29 14 36 13.3–1.5 26.2S–.20 179.6E–.10 504–17 4.4b,3.5b
NOU IV 29 14 36 36.8 26.50S 177.79E 686 4.2b,3.5b
ISC Event type se.
IDC Error ellipse: s-maj=27.5km s-min=20.5km az=88.0.
NEIC Event type se. Error ellipse: s-maj=25.8km s-min=10.0km az=208.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU South of Fiji Islands.
IDC IV 30 19 36 18.2–9.2 21.30S 179.01E 633–59 3.5,2.5b ¶610650444
IDC Error ellipse: s-maj=284.6km s-min=43.6km az=150.0.
ISC V 01 09 08 38.7–1.5 24.6S–.30 179.4E–.20 550 3.6b 6 7-143
IDC V 01 09 08 40.2–5.4 24.39S 179.30E 561–52 3.9,3.0b ¶610689290
ISC Event type ke.
IDC Error ellipse: s-maj=106.3km s-min=23.7km az=151.0.
ISC V 01 12 00 04.6–.69 26.47S–.08 177.2W–.10 150 4.3b 26 10-145
IDC V 01 12 00 03.8–4.6 26.04S 177.47W 126–57 4.2,3.3b ¶610669453
NEIC V 01 12 00 03.6–1.4 26.5S–.10 177.2W–.10 128–10 4.5b,3.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 02 03 30 56.7–.63 26.61S–.09 177.3W–.20 100 4.1b 19 3-167
IDC V 02 03 30 55.8–2.8 26.56S 177.26W 85–24 4.3,3.8b ¶610669461
ISC Event type ke.
IDC Error ellipse: s-maj=25.5km s-min=20.3km az=117.0.
IDC V 02 15 38 38.4–9.7 26.76S 178.90W 650–300 3.8,2.5b ¶610689403
IDC Error ellipse: s-maj=301.8km s-min=90.2km az=95.0.
ISC V 02 16 23 43.4–.99 24.0S–.20 179.9W–.10 500 4.0b 24 6-78
NEIC V 02 16 23 44.5–1.2 23.8S–.30 179.81W–.06 517–18 4.1b ¶610689407
IDC V 02 16 23 47.9–34 23.35S 179.79E 534–302 4.0,3.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=41.8km s-min=7.1km az=175.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=921.0km s-min=110.1km az=92.0.
ISC V 02 19 49 39.0–.37 24.98S–.06 179.90E–.06 501 4.4b 161 7-168
NOU V 02 19 49 38.4 24.76S 179.34W 561 4.6b ¶610669464
NEIC V 02 19 49 40.4–1.9 25.0S–.10 179.9E–.10 512–8 4.4b
IDC V 02 19 49 40.2–1.3 24.90S 179.81E 506–13 4.5,3.7b
ISC Event type se.
NOU South of Fiji Islands.
NEIC Event type se. Error ellipse: s-maj=17.3km s-min=12.4km az=132.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=14.1km s-min=9.8km az=163.0.
ISC V 03 20 29 08.6–1.4 23.7S–.10 179.9W–.20 550 4.0b 30 6-77
NEIC V 03 20 29 01.9–1.8 23.3S–.20 179.5W–.20 498–20 4.3b ¶610689502
IDC V 03 20 29 10.2–2.6 23.27S 179.89W 584–71 4.1,3.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=38.9km s-min=25.8km az=45.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=94.4km s-min=26.8km az=22.0.
ISC V 05 17 12 24.0–.74 23.58S–.09 179.8W–.10 550 4.3b 28 6-151
NEIC V 05 17 12 24.1–1.8 23.6S–.10 179.8W–.20 529–17 4.6b ¶610689619
IDC V 05 17 12 25.4–2.4 23.34S 179.95W 561–26 4.0,3.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.9km s-min=18.5km az=97.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=36.5km s-min=23.3km az=106.0.
ISC V 05 23 31 31.7–.82 23.9S–.10 179.7W–.10 500 4.3b 23 6-90
NEIC V 05 23 31 31.8–1.7 23.8S–.10 179.6W–.10 505–8 4.5b ¶610689632
IDC V 05 23 31 35.0–5.0 23.44S 179.81E 506–38 4.1,3.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.1km s-min=18.3km az=214.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=237.9km s-min=28.5km az=163.0.
ISC V 06 00 08 17.4–.53 23.51S–.07 179.9W–.10 532 4.2b 89 5-151
IDC V 06 00 08 16.7–1.7 23.49S 179.97W 523–18 4.2,3.3b ¶610669482
NEIC V 06 00 08 17.8–1.5 23.49S–.09 179.9W–.20 532–14 4.8b,3.3b
NOU V 06 00 08 18.2 23.48S 179.69E 540 4.2b,3.3b
ISC Event type se.
IDC Error ellipse: s-maj=20.6km s-min=17.1km az=110.0.
NEIC Event type se. Error ellipse: s-maj=23.6km s-min=11.7km az=108.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU South of Fiji Islands.
ISC V 06 02 14 48.3–.43 22.13S–.05 177.29W–.07 300 4.0b 136 4-171
NEIC V 06 02 14 47.0–2.2 22.0S–.10 177.28W–.03 275–7 4.3b ¶610622987
NOU V 06 02 14 47.9 22.26S 177.06W 293 4.4b
IDC V 06 02 14 50.5–1.9 22.04S 177.61W 296–17 4.3,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.2km s-min=2.2km az=189.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU South of Fiji Islands.
IDC Error ellipse: s-maj=16.1km s-min=15.2km az=113.0.
IDC V 06 18 29 04.2–2.8 22.18S 177.24W 0 3.8,3.8b ¶610689679
IDC Error ellipse: s-maj=200.3km s-min=33.8km az=163.0.
ISC V 07 09 01 06.3–1.3 23.3S–.10 177.1W–.20 500 4.2b 42 7-60
NOU V 07 09 00 32.8 22.59S 171.43W 356 4.3b ¶610689709
IDC V 07 09 01 00.9–17 22.91S 177.26W 416–82 4.4,3.5b
NEIC V 07 09 01 07.5–1.6 23.3S–.20 177.1W–.20 507–24 4.3b,3.5b
ISC Event type se.
NOU Tonga Islands Region.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 07 15 51 51.4–.59 23.71S–.08 179.63W–.09 500 4.2b 38 12-148
IDC V 07 15 51 50.0–3.3 23.57S 179.81W 462–41 4.1,3.2b ¶610689734
NEIC V 07 15 51 50.8–1.3 23.8S–.10 179.64W–.07 483–12 4.4b,3.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 08 03 05 34.7–.68 25.35S–.09 179.7W–.10 500 4.2b 49 4-168
IDC V 08 03 05 34.1–1.4 25.39S 179.79W 470–17 4.6,3.6b ¶610689775
NEIC V 08 03 05 34.2–1.9 25.6S–.10 179.7W–.20 472–11 4.3b,3.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 09 12 31 21.4–1.2 26.3S–.10 179.1W–.20 350 3.9b 13 3-147
IDC V 09 12 31 21.1–1.5 26.28S 178.91W 364–17 4.5,3.8b ¶610689895
ISC Event type ke.
IDC Error ellipse: s-maj=26.0km s-min=25.4km az=27.0.
ISC V 11 00 54 37.0–.83 23.7S–.20 180.0W–.10 550 4.3b 23 10-90
IDC V 11 00 54 29.6–18 23.14S 179.96E 445–226 4.3,3.4b ¶610690010
NEIC V 11 00 54 36.7–1.4 23.76S–.09 180.0W–.10 538–18 4.3b,3.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 12 08 00 00.5–1.6 24.3S–.20 180.0W–.20 500 3.8b 7 7-91
IDC V 12 08 00 00.9–3.7 24.19S 179.94E 502–32 4.2,3.4b ¶610690106
ISC Event type ke.
IDC Error ellipse: s-maj=71.6km s-min=24.1km az=152.0.
ISC V 12 12 43 10.4–.77 23.8S–.10 180.0W–.10 500 4.2b 45 6-90
IDC V 12 12 43 09.1–1.8 23.72S 179.72W 511–17 4.1,3.3b ¶610690131
NOU V 12 12 43 11.3 23.78S 179.96W 494 4.2b,3.3b
NEIC V 12 12 43 12.5–.34 23.6S–.10 180.0E–.20 527–12 4.3b,3.3b
ISC Event type se.
NOU South of Fiji Islands.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 13 20 20 59.6–.87 23.56S–.09 179.7W–.20 550 4.2b 34 6-149
NEIC V 13 20 20 57.9–1.3 23.65S–.08 179.6W–.20 523–9 4.3b ¶610690212
IDC V 13 20 21 08.5–8.1 23.87S 179.74E 624–84 4.3,3.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=25.0km s-min=9.0km az=74.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=77.0km s-min=36.4km az=45.0.
ISC V 13 21 48 43.1–.60 23.86S–.08 179.88W–.10 500 4.2b 35 6-148
IDC V 13 21 48 37.6–3.5 23.82S 179.81W 426–41 4.4,3.6b ¶610690220
NEIC V 13 21 48 44.1–1.4 23.7S–.10 179.76W–.09 523–11 4.3b,3.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 14 01 57 50.3–.84 25.50S–.08 179.9E–.10 493 4.4b 68 11-150
NOU V 14 01 57 47.9 25.46S 179.30W 543 4.6b ¶610667679
IDC V 14 01 57 49.3–1.8 25.43S 179.89E 483–18 4.7,3.8b
ISC Event type ke.
NOU South of Fiji Islands.
IDC Error ellipse: s-maj=22.7km s-min=14.7km az=170.0.

IDC V 14 03 49 39.9–18 22.39S 178.40W 447–62 4.3,3.4b ¶610690243
IDC Error ellipse: s-maj=265.8km s-min=49.2km az=55.0.
ISC V 14 07 24 05.7–.89 24.4S–.10 179.9E–.10 517 4.2b 32 7-91
IDC V 14 07 24 04.1–2.5 24.34S 179.92E 498–23 4.1,3.3b **¶610690254**
NEIC V 14 07 24 06.4–.90 24.4S–.20 179.9W–.10 538–18 4.3b,3.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 14 07 52 34.1–1.7 24.3S–.10 179.9W–.20 450 3.7b 11 13-148
IDC V 14 07 52 32.0–2.4 24.10S 179.62W 444–24 4.3,3.4b **¶610690256**
ISC Event type ke.
IDC Error ellipse: s-maj=26.4km s-min=21.1km az=119.0.
ISC V 14 12 31 15.9–1.4 24.4S–.10 179.9W–.20 450 3.9b 28 7-77
IDC V 14 12 31 13.1–10 24.03S 179.61W 450–88 4.2,3.3b **¶610690272**
NEIC V 14 12 31 16.7–.73 24.4S–.20 179.8W–.30 469–22 4.1b,3.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 14 17 12 26.1–1.3 24.9S–.10 179.9W–.20 500 3.4b 10 13-146
IDC V 14 17 12 29.4–4.3 25.08S 179.88E 538–48 3.9,2.9b **¶610667681**
ISC Event type ke.
IDC Error ellipse: s-maj=36.9km s-min=34.5km az=8.0.
ISC V 16 08 52 00.2–.90 23.9S–.10 179.9W–.20 518 3.3b 24 15-145
IDC V 16 08 51 59.3–2.4 23.55S 179.98W 502–25 3.8,2.9b **¶610690402**
ISC Event type ke.
IDC Error ellipse: s-maj=51.6km s-min=20.7km az=162.0.
ISC V 16 11 25 01.8–1.4 23.6S–.10 179.8W–.20 532 3.9b 40 6-145
IDC V 16 11 24 53.2–9.5 23.17S 179.53W 441–86 4.2,3.4b **¶610690415**
ISC Event type ke.
IDC Error ellipse: s-maj=78.8km s-min=21.7km az=43.0.
ISC V 16 15 29 18.6–.25 23.84S–.03 177.64W–.03 254–1 5.1b 1661 5-169
MOS V 16 15 29 14.1–.83 23.67S 177.69W 216 5.1b **¶615092647**
NEIC V 16 15 29 14.5–1.6 23.77S–.07 177.61W–.09 210–4 5.1b
BJI V 16 15 29 16.6–.00 23.23S 177.14W 242 5.0b,4.9b
IDC V 16 15 29 19.2–.38 23.69S 177.69W 254–3 5.3,4.7b
BGR V 16 15 29 19.9 23.77S 177.62W 251 5.3,4.7b
NOU V 16 15 29 20.0 23.84S 177.50W 265 5.0L,4.7b
GCMT V 16 15 29 21.5–.10 23.71S–.01 177.42W–.01 264–0 5.8W,4.7b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BGR Event type ke.
NOU South of Fiji Islands.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s145,c273; s159,c321;Duration: 1^{s}8 Moment tensor: Scale 10^{17}Nm; M_{rr}2.80±.04 $M_{\theta\theta}$-5.16±.04; $M_{\phi\phi}$2.36±.04; $M_{r\theta}$0.60±.04; $M_{\theta\phi}$1.23±.04; $M_{\phi r}$-2.47±.04; Best double couple: NP1:ϕ_s133.00000°,δ65.00000°,λ138.00000°. NP2:ϕ_s244.00000°,δ53.00000°,λ32.00000°. Principal axes: T 5.0750,Plg47.0000° ,Azm93.0000°; N 0.4070,Plg42.0000°,Azm288.0000°; P -5.4820,Plg7.0000°,Azm191.0000° $M_0$5.27900×10^{17}
ISC V 16 16 20 22.2–1.2 25.1S–.10 179.6E–.20 550 4.1b 26 5-99
NEIC V 16 16 20 23.0–.70 25.1S–.20 179.6E–.20 549–10 4.1b **¶610690432**
IDC V 16 16 20 26.8–20 24.94S 179.50E 614–237 4.2,3.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=28.8km s-min=20.5km az=52.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=158.6km s-min=52.5km az=52.0.
ISC V 16 20 49 01.6–.48 24.35S–.07 179.98E–.08 534 4.5b 109 5-169
NOU V 16 20 49 00.1 24.22S 179.69W 533 4.3b **¶610690443**
IDC V 16 20 49 00.6–1.9 24.21S 179.95E 509–20 4.5,3.7b
NEIC V 16 20 49 01.3–1.5 24.4S–.10 179.9W–.10 534–8 4.6b,3.7b
ISC Event type se.
NOU South of Fiji Islands.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 16 23 17 08.1–.47 24.92S–.06 179.95E–.07 501 4.4b 100 5-165
IDC V 16 23 17 07.7–1.4 24.86S 179.96E 500–17 4.6,3.7b **¶610690450**
NEIC V 16 23 17 10.1–1.8 25.0S–.10 179.9E–.10 517–6 4.5b,3.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 17 03 31 36.6–.76 24.88S–.07 179.0W–.10 388 4.3b 54 4-152
IDC V 17 03 30 17.4–45 23.59S 173.55W 0 4.8,4.8b **¶611150826**
NOU V 17 03 31 38.4 24.81S 178.67W 419 4.4b,4.8b
NEIC V 17 03 31 40.2–1.3 24.9S–.20 179.0W–.20 437–24 4.3b,4.8b
ISC Event type se.
NOU South of Fiji Islands.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 18 19 07 31.6–.42 24.89S–.05 179.70E–.07 501 4.2b 133 5-168
IDC V 18 19 07 31.6–1.2 24.87S 179.76E 500–11 4.4,3.5b **¶610667698**
NOU V 18 19 07 31.2 24.92S 179.98E 504 4.5b,3.5b
NEIC V 18 19 07 32.1–1.4 24.9S–.10 179.7E–.10 497–8 4.3b,3.5b
ISC Event type se.
NOU South of Fiji Islands.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 18 19 48 35.0–1.2 24.6S–.10 178.2W–.20 35 3.8b 8 5-149
IDC V 18 19 48 30.0–1.7 24.37S 178.34W 0 3.8,3.8b **¶610690617**
ISC Event type ke.
IDC Error ellipse: s-maj=65.9km s-min=31.0km az=147.0.
ISC V 19 03 01 49.3–1.4 23.2S–.20 177.0W–.20 167 4.2b 12 7-149
IDC V 19 03 01 46.5–8.4 23.35S 176.97W 143–58 4.5,4.1b **¶610690639**
ISC Event type ke.
IDC Error ellipse: s-maj=80.3km s-min=25.1km az=138.0.
IDC V 19 13 37 58.1–1.8 24.04S 176.17W 0 4.8L,3.6 ¶610690673
IDC Error ellipse: s-maj=62.2km s-min=36.3km az=167.0.
IDC V 19 22 47 12.3–4.8 22.30S 176.98W 0 3.6,3.6b ¶610690703
IDC Error ellipse: s-maj=237.0km s-min=36.8km az=150.0.
ISC V 20 19 30 17.1–.39 23.90S–.06 179.77W–.06 500 4.5b 133 6-169
NEIC V 20 19 30 16.5–2.0 23.9S–.10 179.7W–.10 492–7 4.5b **¶610645999**
IDC V 20 19 30 17.6–1.1 23.88S 179.91W 499–12 4.5,3.6b
NOU V 20 19 30 28.6 23.98S 179.75E 619 4.7b,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.1km s-min=13.7km az=120.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=13.4km s-min=12.1km az=156.0.
NOU South of Fiji Islands.
ISC V 22 04 41 14.9–.60 23.90S–.09 179.70W–.10 512 4.5b 73 6-148
IDC V 22 04 41 15.3–2.6 23.79S 179.76W 510–31 4.5,3.5b **¶610685127**
NEIC V 22 04 41 16.5–1.5 24.0S–.10 179.8W–.10 530–11 4.6b,3.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC V 22 05 07 18.7–12 23.47S 179.53W 550–144 4.5,3.4b ¶610685128
IDC Error ellipse: s-maj=230.0km s-min=74.4km az=63.0.
ISC V 22 12 45 42.1–4.4 23.7S–.40 178.7W–.50 10 4.3b 20 6-66
IDC V 22 12 45 12.6–54 21.97S 175.22W 0 4.0,4.0b **¶611150856**
NEIC V 22 12 45 46.9–.45 23.9S–.30 178.9W–.30 33–19 4.4b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 23 02 06 34.4–.50 19.3S–.10 175.68E–.09 35 4.2b,3.5s 52 3-147
NEIC V 23 02 06 29.8–2.0 19.3S–.10 175.83E–.08 10–1 4.4b,3.5s **¶610685191**
IDC V 23 02 06 30.9–.84 19.18S 175.37E 0 4.5L,4.1
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=26.9km s-min=3.6km az=153.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=36.5km s-min=18.4km az=150.0.
IDC V 23 04 02 57.7–7.4 22.77S 179.40W 0 3.9,3.9b ¶610667721
IDC Error ellipse: s-maj=358.9km s-min=109.1km az=158.0.
ISC V 23 05 41 11.0–.80 25.3S–.20 180.0E–.10 500 3.8b 14 13-148
IDC V 23 05 41 11.6–3.9 25.28S 179.89E 509–43 4.2,3.2b **¶610667723**
ISC Event type ke.
IDC Error ellipse: s-maj=53.9km s-min=25.5km az=174.0.
ISC V 23 09 05 57.3–.40 24.22S–.05 178.98E–.06 550–3 4.6b 718 7-169
NOU V 23 09 05 55.6 24.05S 179.27E 553 5.0b **¶610650484**
NEIC V 23 09 05 56.8–1.9 24.12S–.10 179.1E–.10 528–5 4.6b
IDC V 23 09 05 56.2–.73 24.15S 178.96E 532–7 5.0,4.1b
BGR V 23 09 05 59.4 24.26S 178.79E 557–2 5.0,4.1b
ISC Event type ke.
NOU South of Fiji Islands.
NEIC Event type se. Error ellipse: s-maj=15.6km s-min=13.8km az=109.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=12.7km s-min=10.2km az=124.0.
BGR Event type ke.
IDC V 24 03 06 56.0–11 20.47S 179.92E 493–67 4.5,3.6b ¶610685262
IDC Error ellipse: s-maj=263.9km s-min=93.5km az=90.0.
ISC V 25 06 02 19.6–.30 22.35S–.04 176.35W–.04 129–2 5.2b 1297 5-171
BJI V 25 06 02 17.4–.00 22.30S 176.38W 105 5.2b,5.1b **¶611833980**
IDC V 25 06 02 18.8–1.1 22.24S 176.49W 119–9 5.2,4.9b
BGR V 25 06 02 19.2 22.49S 175.64W 120–1 5.2,4.9b
NEIC V 25 06 02 20.1 22.41S 176.01W 140 5.2,4.9b
NEIC V 25 06 02 20.1 22.32S 176.36W 126 5.2,4.9b
NEIC V 25 06 02 20.1–1.8 22.31S–.08 176.33W–.09 127–1 5.6,5.6
NOU V 25 06 02 20.0 22.38S 176.11W 139 5.4L,5.6
NEIC V 25 06 02 20.1 22.31S 176.33W 140 5.4L,5.6
GCMT V 25 06 02 22.1–.10 22.45S–.01 176.10W–.01 139–0 5.6W,5.6
MOS V 25 06 02 22.2–1.0 22.26S 176.55W 156 5.1b,5.6
ISC Event type ke.
IDC Error ellipse: s-maj=12.4km s-min=10.6km az=128.0.
BGR Event type ke.
NEIC Event type se. Moment Tensor Solution.Duration: 3^{s}1 Moment tensor: Scale 10^{17}Nm; M_{rr}0.88 $M_{\theta\theta}$0.89 $M_{\phi\phi}$-1.77 $M_{r\theta}$-0.92 $M_{\theta\theta}$0.58 $M_{\phi r}$-2.06 NP1:ϕ_s201.23000°,δ78.98000° ,λ118.38000°. NP2:ϕ_s310.71000°,δ30.28000°,λ22.28000°. Principal axes: T 2.6601,Plg48.0000°,Azm142.0000°; N 0.2310,Plg28.0000°,Azm15.0000° ; P -2.8911,Plg28.0000°,Azm269.0000° $M_0$2.78000×10^{17}
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.9km s-min=13.3km az=157.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.08 $M_{\theta\theta}$-0.40 $M_{\phi\phi}$-0.68 $M_{r\theta}$-1.00 $M_{\theta\phi}$-0.15 $M_{\phi r}$-2.56 NP1:ϕ_s201.42000°,δ80.80000°,λ89.75000°. NP2:ϕ_s23.00000°,δ9.20000° ,λ91.56000°. Principal axes: T 3.0659,Plg54.0000°,Azm111.0000°; N -0.3410,Plg0.0000° ,Azm201.0000°; P -2.7249,Plg36.0000°,Azm292.0000° $M_0$2.91000×10^{17}
NOU South of Fiji Islands.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s141,c256; s160,c312;Duration: 1^{s}6 Moment tensor: Scale 10^{17}Nm; M_{rr}1.09±.04 $M_{\theta\theta}$0.53±.04; $M_{\phi\phi}$-1.63±.04; $M_{r\theta}$-1.23±.03; $M_{\theta\phi}$0.15±.04; $M_{\phi r}$-2.62±.03; Best double couple: NP1:ϕ_s203.00000°,δ79.00000°,λ106.00000°. NP2:ϕ_s326.00000°,δ19.00000°,λ35.00000°. Principal axes: T 3.1740,Plg53.0000° ,Azm132.0000°; N 0.1130,Plg16.0000°,Azm20.0000°; P -3.2930,Plg32.0000°,Azm279.0000° $M_0$3.23400×10^{17}
MOS Error ellipse: s-maj=8.8km s-min=7.9km az=22.6.
ISC V 26 08 30 20.2–1.1 24.9S–.20 176.1W–.10 35 3.9b,3.6s 13 9-151
IDC V 26 08 30 15.1–1.3 24.87S 176.14W 0 4.0,3.9b **¶610685421**
ISC Event type ke.
IDC Error ellipse: s-maj=50.4km s-min=21.7km az=165.0.
ISC V 26 13 28 37.0–2.2 26.8S–.20 177.7W–.30 300 7 10-151
IDC V 26 13 28 36.2–17 26.90S 177.75W 288–123 3.9,2.9s **¶610667741**
ISC Event type ke.
IDC Error ellipse: s-maj=190.6km s-min=31.1km az=139.0.
ISC V 28 03 27 13.2–.86 22.0S–.10 179.8W–.10 600 3.5b 21 5-151
IDC V 28 03 27 12.8–1.5 22.09S 179.78W 592–15 3.9,2.9b **¶610685535**
ISC Event type ke.
IDC Error ellipse: s-maj=24.9km s-min=17.6km az=156.0.
ISC V 28 19 02 01.9–1.3 23.6S–.10 179.9E–.30 535 3.3b 9 6-145
IDC V 28 19 02 02.4–2.0 23.54S 179.86E 541–20 3.9,2.9b **¶610685565**
ISC Event type ke.
IDC Error ellipse: s-maj=30.8km s-min=21.6km az=94.0.
ISC V 30 19 59 55.5–.40 19.19S–.05 176.94E–.05 19–1 5.0b,4.1s 489 2-172
IDC V 30 19 59 53.0–.53 19.17S 176.83E 0 4.5,4.5L **¶610656199**
NOU V 30 19 59 55.0 19.09S 177.07E 15 4.9b,4.5L
GCMT V 30 19 59 56.8–.20 19.15S–.01 176.80E–.01 20–0 5.1W,4.5L
MOS V 30 19 59 56.4–1.8 19.19S 176.83E 31 5.1b,4.5L
NEIC V 30 19 59 57.8–1.5 19.16S–.07 176.88E–.07 36–5 5.0b,4.5L
ISC Event type se.
NOU South of Fiji Islands.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s70,c107; s127,c199;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.85±.11 $M_{\theta\theta}$-4.34±.10; $M_{\phi\phi}$5.19±.10; $M_{r\theta}$0.12±.19; $M_{\theta\phi}$2.21±.09; $M_{\phi r}$0.26±.19; Best double couple: NP1:ϕ_s57.00000°,δ89.00000°,λ2.00000°. NP2:ϕ_s327.00000°,δ88.00000°,λ179.00000°. Principal axes: T 5.6900,Plg2.0000° ,Azm282.0000°; N -0.8600,Plg87.0000°,Azm84.0000°; P -4.8280,Plg1.0000°,Azm192.0000° $M_0$5.25900×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 02 21 57 17.2–.57 24.15S–.09 179.97E–.09 526 4.4b 51 7-151
IDC VI 02 21 57 16.8–1.6 24.19S 179.96E 522–15 4.4,3.5b **¶610791125**
NEIC VI 02 21 57 17.4–1.0 24.0S–.20 180.0W–.10 529–11 4.3b,3.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 04 09 50 33.8–.73 22.4S–.10 179.2E–.10 612 4.0b 20 5-90
NEIC VI 04 09 50 33.6–.88 22.9S–.30 179.1E–.10 575–17 4.2b **¶610791224**
IDC VI 04 09 50 35.7–7.8 21.77S 179.06E 622–75 3.9,3.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=44.1km s-min=12.5km az=192.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=244.6km s-min=23.8km az=158.0.
ISC VI 04 16 12 28.0–.67 22.5S–.10 179.42W–.09 579 4.3b 39 5-147
IDC VI 04 16 12 27.2–2.0 22.69S 179.39W 559–23 4.5,3.5b **¶610791243**
NEIC VI 04 16 12 28.4–.96 22.7S–.20 179.6W–.20 555–16 4.4b,3.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VI 04 17 19 27.0–13 23.67S 178.41E 518–82 3.5,2.5b ¶610791248
IDC Error ellipse: s-maj=283.6km s-min=41.4km az=144.0.
ISC VI 05 12 54 05.3–1.7 23.4S–.10 180.0E–.20 535 4.2b 19 6-67
IDC VI 05 12 53 07.1–22 20.93S 179.23W 0 4.4L,4.2 **¶611150981**
NEIC VI 05 12 54 06.2–.88 23.2S–.20 179.9W–.30 562–32 4.3b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 08 00 46 20.7–1.2 26.08S–.09 179.8E–.20 500 4.1b 17 8-151
NEIC VI 08 00 46 20.1–2.5 26.1S–.10 179.7E–.20 468–14 4.2b **¶610760926**
IDC VI 08 00 46 20.4–3.0 25.98S 179.75E 485–30 4.0,2.9b
ISC Event type se.

NEIC Event type se. Error ellipse: s-maj=27.4km s-min=13.4km az=45.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=43.7km s-min=30.5km az=128.0.
ISC VI 08 21 54 07.3–.43 23.35S–.05 179.96E–.05 547–4 4.7b 496 5-170
NEIC VI 08 21 54 06.1–1.9 23.3S–.10 179.9E–.10 524–6 4.7b **¶610668104**
NOU VI 08 21 54 07.9 23.24S 179.98W 560 4.8b
IDC VI 08 21 54 08.5–.90 23.21S 179.75E 552–9 4.8,3.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.3km s-min=14.8km az=115.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU South of Fiji Islands.
IDC Error ellipse: s-maj=11.1km s-min=9.9km az=106.0.
IDC VI 09 13 45 16.1–19 26.44S 178.38W 157–132 3.8,3.6L
¶610791541
IDC Error ellipse: s-maj=154.2km s-min=35.9km az=46.0.
ISC VI 09 17 16 32.7–.44 23.11S–.05 176.88W–.05 172–3 4.7b 526 6-170
NOU VI 09 17 16 05.5 22.17S 174.56W 75 5.1b **¶615092693**
BJI VI 09 17 16 30.0–.00 23.20S 176.80W 164 5.2b,4.7b
IDC VI 09 17 16 31.0–1.4 23.01S 177.11W 145–12 4.6,4.2b
NEIC VI 09 17 16 32.8–1.8 23.13S–.09 176.80W–.08 175–6 4.7b,4.2b
GCMT VI 09 17 16 33.8–.30 23.07S–.02 176.79W–.02 182–3 5.0W,4.2b
ISC Event type se.
NOU Tonga Islands Region.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s33,c35; s103,c135;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-0.16±.15 $M_{\theta\theta}$0.55±.24; $M_{\phi\phi}$-0.39±.22; $M_{r\theta}$-0.95±.13;
$M_{\theta\phi}$1.56±.17; $M_{\phi r}$-3.67±.12; Best double couple: NP1:ϕ_s13.00000°,δ88.00000°,λ-113.00000°.
NP2:ϕ_s279.00000°,δ23.00000°,λ-4.00000°. Principal axes: T 4.2460,Plg39.0000°
,Azm124.0000°; N -0.2460,Plg23.0000°,Azm14.0000°; P -4.0000,Plg42.0000°
,Azm261.0000° $M_0$4.12300×10^{16}
ISC VI 11 03 00 59.9–1.8 25.4S–.20 179.9W–.20 500 4.0b 7 8-65
IDC VI 11 03 01 01.2–3.2 25.10S 179.86W 532–60 4.3,3.3b **¶610791636**
ISC Event type ke.
IDC Error ellipse: s-maj=67.4km s-min=33.7km az=22.0.
ISC VI 12 06 52 47.3–1.2 24.7S–.10 179.9W–.20 500 4.1b 38 5-65
NEIC VI 12 06 52 48.1–.88 24.59S–.05 179.9W–.20 514–17 4.1b **¶610791702**
IDC VI 12 06 52 52.0–7.5 23.99S 179.83E 558–60 4.1,3.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=26.0km s-min=7.4km az=91.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=142.8km s-min=75.8km az=120.0.
IDC VI 12 21 16 52.3–9.3 25.15S 179.66E 439–55 4.2,3.4b
¶610791744
IDC Error ellipse: s-maj=167.6km s-min=44.0km az=121.0.
ISC VI 13 06 14 12.6–1.1 24.65S–.10 179.9W–.20 500 3.6b 10 7-91
IDC VI 13 06 14 11.5–2.5 24.61S 179.88W 477–31 4.0,3.1b **¶610791760**
ISC Event type ke.
IDC Error ellipse: s-maj=27.7km s-min=25.0km az=5.0.
ISC VI 14 07 53 17.9–.52 25.02S–.07 179.86E–.08 501 4.5b 89 5-148
NOU VI 14 07 51 57.3 23.76S 174.61W 41 5.1b **¶610760943**
IDC VI 14 07 53 16.4–1.4 24.93S 179.96E 479–13 4.7,3.9b
NEIC VI 14 07 53 18.6–1.4 25.1S–.10 179.8E–.10 495–10 4.7b,3.9b
ISC Event type se.
NOU Tonga Islands Region.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VI 15 01 12 15.3–6.2 21.36S 179.75E 0 4.4s,3.9
¶610791900
IDC Error ellipse: s-maj=293.0km s-min=63.6km az=151.0.
ISC VI 15 22 28 31.5–.97 22.4S–.10 179.5W–.10 600 4.1b 40 5-80
NEIC VI 15 22 28 29.4–1.7 22.6S–.10 179.3W–.10 565–12 4.3b **¶610791967**
IDC VI 15 22 28 37.8–7.8 22.15S 179.50E 589–80 3.8,2.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.5km s-min=16.4km az=218.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=180.2km s-min=94.6km az=77.0.
ISC VI 17 19 11 44.3–.32 24.66S–.05 179.90E–.06 517 4.2b 220 5-168
IDC VI 17 19 11 43.6–.89 24.70S 179.69E 499–9 4.5,3.5b **¶610760961**
NEIC VI 17 19 11 44.9–1.7 24.8S–.10 179.8E–.10 511–7 4.3b,3.5b
NOU VI 17 19 12 03.4 26.58S 177.27E 409 4.2b,3.5b
ISC Event type se.
IDC Error ellipse: s-maj=10.9km s-min=9.5km az=99.0.
NEIC Event type se. Error ellipse: s-maj=17.7km s-min=15.7km az=98.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU South of Fiji Islands.
ISC VI 17 22 26 02.3–.18 24.15S–.03 179.59E–.03 525–1 5.7b 2892 6-174
MOS VI 17 22 26 01.3–.84 24.02S 179.54E 515 5.5b,4.7s **¶610759008**
BJI VI 17 22 26 01.0–.00 24.10S 179.60E 514 5.7b,5.5b
NOU VI 17 22 26 02.5 24.10S 179.70E 527 5.5L,5.5b
IDC VI 17 22 26 02.5–.31 24.04S 179.53E 520–2 6.0,5.2b
NEIC VI 17 22 26 02.0–1.7 24.09S–.08 179.60E–.09 511–1 6.1,6.1
NEIC VI 17 22 26 03.7 24.16S 179.67E 540 6.1,6.1
NEIC VI 17 22 26 03.7 24.06S 179.56E 540 6.1,6.1
NEIC VI 17 22 26 03.7 24.06S 179.56E 529 6.1,6.1
GCMT VI 17 22 26 07.0–.10 24.15S–.01 179.66E–.01 538–0 6.1W,6.1
ISC Event type se.
NOU South of Fiji Islands.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}0.45 $M_{\theta\theta}$-0.60 $M_{\phi\phi}$0.16 $M_{r\theta}$-0.78
$M_{\theta\phi}$-0.49 $M_{\phi r}$-1.27 NP1:ϕ_s213.19000°,δ81.18000°,λ70.80000°. NP2:ϕ_s99.44000°,δ21.06000°
,λ154.75000°. Principal axes: T 1.6186,Plg50.0000°,Azm102.0000°; N 0.0878,Plg19.0000°
,Azm216.0000°; P -1.7064,Plg33.0000°,Azm319.0000° $M_0$1.66000×10^{18}
NEIC Event type se. Moment Tensor Solution.Duration: 5s5 Moment tensor: Scale 10^{18}Nm;
M_{rr}0.35 $M_{\theta\theta}$-0.62 $M_{\phi\phi}$0.27 $M_{r\theta}$-0.81 $M_{\theta\phi}$-0.11 $M_{\phi r}$-1.24 NP1:ϕ_s218.05000°,δ84.60000°
,λ72.63000°. NP2:ϕ_s111.30000°,δ18.16000°,λ162.42000°. Principal axes:
T 1.6689,Plg48.0000°,Azm110.0000°; N -0.2010,Plg17.0000°,Azm220.0000°
; P -1.4679,Plg37.0000°,Azm323.0000° $M_0$1.57000×10^{18}
NEIC Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to mantle waves, cutoff=125s.
Triangular moment-rate function. Moment Tensor Solution. s163,c364; s127,c167;
Duration: 2s7 Moment tensor: Scale 10^{18}Nm; M_{rr}0.41±.01 $M_{\theta\theta}$-0.79±.01; $M_{\phi\phi}$0.37±.01;
$M_{r\theta}$-0.81±.01; $M_{\theta\phi}$-0.49±.01; $M_{\phi r}$-1.22±.01; Best double couple: NP1:ϕ_s216.00000°
,δ82.00000°,λ65.00000°. NP2:ϕ_s108.00000°,δ26.00000°,λ161.00000°. Principal axes:
T 1.6440,Plg47.0000°,Azm100.0000°; N 0.0910,Plg25.0000°,Azm219.0000°
; P -1.7340,Plg32.0000°,Azm326.0000° $M_0$1.68900×10^{18}
ISC VI 18 06 07 31.2–.35 22.23S–.06 179.49W–.07 592 4.4b 146 4-171
IDC VI 18 06 07 29.9–.87 22.12S 179.39W 575–8 4.8,3.9b **¶610681500**
NEIC VI 18 06 07 30.6–1.1 22.3S–.10 179.4W–.10 576–8 4.4b,3.9b
NOU VI 18 06 07 30.2 22.35S 179.45W 562 4.6b,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=11.6km s-min=11.5km az=163.0.
NEIC Event type se. Error ellipse: s-maj=18.7km s-min=10.0km az=219.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU South of Fiji Islands.
ISC VI 18 12 18 17.8–.99 24.8S–.10 179.6E–.10 507 4.0b 22 7-143
IDC VI 18 12 18 17.7–6.4 24.80S 179.56E 501–69 4.1,3.1b **¶610792121**
NEIC VI 18 12 18 18.8–.92 24.8S–.20 179.5E–.20 508–10 4.1b,3.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 18 19 06 37.2–.40 23.92S–.06 179.71W–.07 512 4.7b 241 6-169
NEIC VI 18 19 06 36.3–2.3 23.9S–.10 179.5W–.10 525–10 4.8b **¶610681606**
NOU VI 18 19 06 36.9 23.82S 179.48W 533 4.6b
IDC VI 18 19 06 36.3–1.2 23.84S 179.82W 491–11 4.8,3.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.7km s-min=15.3km az=93.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU South of Fiji Islands.
IDC Error ellipse: s-maj=14.0km s-min=12.0km az=89.0.
ISC VI 19 00 25 18.4–.95 23.2S–.10 178.8W–.10 500 4.1b 35 6-124
NEIC VI 19 00 25 17.1–2.0 23.2S–.10 178.6W–.20 492–11 4.3b **¶610792152**
IDC VI 19 00 25 18.8–3.2 22.94S 178.66W 526–33 4.1,3.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=22.6km s-min=18.4km az=105.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=63.5km s-min=35.6km az=73.0.
ISC VI 19 02 46 55.6–1.3 24.72S–.09 179.6E–.20 500 4.1b 31 7-148
IDC VI 19 02 46 55.9–2.7 24.80S 179.19E 455–31 4.3,3.4b **¶610792156**
NEIC VI 19 02 46 55.2–.98 24.80S–.08 179.6E–.30 488–15 4.2b,3.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VI 19 22 15 12.1–8.0 22.34S 177.14W 0 3.9,3.9b
¶610792217
IDC Error ellipse: s-maj=323.4km s-min=55.6km az=146.0.
ISC VI 20 00 43 47.2–1.0 23.4S–.10 179.9E–.20 535 4.2b 25 6-147
IDC VI 20 00 43 45.9–2.4 24.87S 179.48W 401–90 4.1,3.4b **¶610789132**
NEIC VI 20 00 43 44.1–2.0 23.1S–.10 179.3W–.20 567–6 4.3b,3.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 20 09 01 50.7–.45 24.62S–.06 179.86E–.07 500 4.5b 112 5-151
NEIC VI 20 09 01 45.7–1.6 24.5S–.10 179.8W–.20 455–12 4.5b **¶610685830**
IDC VI 20 09 01 50.6–1.4 24.62S 179.91E 502–14 4.6,3.8b
NOU VI 20 09 01 51.2 24.74S 179.99E 486 4.4b,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.3km s-min=18.4km az=81.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=12.7km s-min=12.1km az=85.0.
NOU South of Fiji Islands.
ISC VI 22 07 04 15.6–.42 23.44S–.04 179.86E–.05 537–4 4.8b 549 6-170
IDC VI 22 07 04 15.2–1.1 23.33S 179.82E 526–10 5.0,4.2b **¶616640033**
NEIC VI 22 07 04 15.4–1.6 23.4S–.10 179.9E–.10 536–7 4.9b,4.2b
NOU VI 22 07 04 15.8 23.46S 179.91E 538 4.9b,4.2b
ISC Event type se.
IDC Error ellipse: s-maj=13.8km s-min=10.4km az=96.0.
NEIC Event type se. Error ellipse: s-maj=15.2km s-min=14.2km az=139.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU South of Fiji Islands.
ISC VI 22 09 55 06.6–.36 26.25S–.05 178.38E–.07 650 4.8b 221 4-167
BJI VI 22 09 55 04.2–.00 25.86S 178.87E 634 4.7b,4.6b **¶610760984**
NEIC VI 22 09 55 04.6–1.9 26.2S–.10 178.6E–.10 629–8 4.9b,4.6b
IDC VI 22 09 55 05.7–1.1 26.23S 178.31E 632–11 4.8,3.7b
NOU VI 22 09 55 06.4 26.20S 178.43E 653 4.9b,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.9km s-min=15.0km az=76.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=15.8km s-min=11.7km az=91.0.
NOU South of Fiji Islands.
ISC VI 22 15 06 33.9–.41 25.58S–.06 179.74E–.08 500 4.4b 142 4-167
IDC VI 22 15 06 32.2–1.3 25.66S 179.73E 481–12 4.3,3.3b **¶610760986**
NEIC VI 22 15 06 33.3–1.3 25.8S–.10 179.7E–.10 489–8 4.4b,3.3b
NOU VI 22 15 06 34.8 25.71S 179.15E 439 4.3b,3.3b
ISC Event type se.
IDC Error ellipse: s-maj=18.5km s-min=13.5km az=115.0.
NEIC Event type se. Error ellipse: s-maj=16.9km s-min=14.7km az=133.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU South of Fiji Islands.
IDC VI 22 15 33 29.8–8.8 19.26S 176.69E 0 3.4,3.4b
¶610789280
IDC Error ellipse: s-maj=393.4km s-min=40.6km az=146.0.
ISC VI 23 21 33 30.0–.39 23.35S–.04 176.58W–.04 98–3 4.9b 1135 6-167
MOS VI 23 21 33 26.4–.84 23.14S 176.73W 71 5.3b **¶610694333**
NEIC VI 23 21 33 26.5–1.6 23.31S–.07 176.56W–.08 61–5 5.0b
BJI VI 23 21 33 27.0–.00 23.30S 176.60W 85 5.1b,5.0b
NOU VI 23 21 33 32.9 23.48S 176.30W 144 5.2b,5.0b
IDC VI 23 21 33 33.6–1.8 23.16S 176.83W 121–15 5.0,4.6b
GCMT VI 23 21 33 34.5–.10 23.31S–.01 176.33W–.01 132–1 5.2W,4.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU South of Fiji Islands.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s102,c151; s137,c236;Duration: 1s0
Moment tensor: Scale 10^{16}Nm; M_{rr}2.68±.14 $M_{\theta\theta}$-0.26±.16; $M_{\phi\phi}$-2.41±.17; $M_{r\theta}$-1.47±.11;
$M_{\theta\phi}$-0.33±.20; $M_{\phi r}$-7.78±.10; Best double couple: NP1:ϕ_s191.00000°,δ81.00000°,λ91.00000°.
NP2:ϕ_s7.00000°,δ9.00000°,λ86.00000°. Principal axes: T 8.4360,Plg54.0000°,Azm101.0000°
; N -0.2170,Plg1.0000°,Azm10.0000°; P -8.2120,Plg36.0000°,Azm280.0000°
$M_0$8.32400×10^{16}
ISC VI 23 23 17 54.1–.97 24.0S–.10 178.7E–.10 600 4.2b 37 6-88
IDC VI 23 23 17 54.7–2.2 23.68S 178.71E 618–53 4.3,3.3b **¶610789365**
NEIC VI 23 23 17 54.2–1.1 24.0S–.20 178.7E–.20 599–13 4.3b,3.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 24 17 13 42.5–.30 26.81S–.04 177.88W–.05 250 4.7b 427 2-153
NOU VI 24 17 13 41.8 26.88S 177.48W 267 5.1b **¶615092734**
NEIC VI 24 17 13 41.7–2.2 26.64S–.07 177.91W–.09 234–5 4.7b
IDC VI 24 17 13 42.7–.79 26.76S 178.08W 241–7 4.9,4.3b
ISC Event type se.
NOU South of Fiji Islands.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=9.6km az=71.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=10.5km s-min=9.6km az=41.0.
ISC VI 25 00 19 08.1–.37 23.27S–.07 177.15W–.07 100 4.6b 170 6-163
BGR VI 25 00 18 59.1 22.83S 176.43W 33 4.6b **¶610789412**
NEIC VI 25 00 19 10.4–2.2 23.34S–.10 177.1W–.10 122–6 4.7b
IDC VI 25 00 19 19.9–2.8 23.22S 177.37W 207–24 4.3,3.7b
ISC Event type ke.
BGR Event type ke.
NEIC Event type se. Error ellipse: s-maj=20.6km s-min=13.0km az=111.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=21.8km s-min=13.8km az=146.0.
IDC VI 25 02 06 50.4–8.2 23.79S 178.35W 0 3.5,3.5b
¶610789416
IDC Error ellipse: s-maj=347.6km s-min=63.6km az=149.0.
ISC VI 27 00 14 35.0–.27 24.79S–.04 177.23W–.04 119–2 5.2b 1394 4-168
BJI VI 27 00 14 31.0–.00 24.80S 177.30W 100 5.3b,5.1b **¶611834205**
MOS VI 27 00 14 32.6–.95 24.66S 177.41W 102 5.4b,5.1b
NEIC VI 27 00 14 33.8 24.72S 177.23W 140 5.4b,5.1b
NEIC VI 27 00 14 33.8 24.72S 176.79W 140 5.4b,5.1b
IDC VI 27 00 14 34.8–.93 24.70S 177.38W 113–7 5.1,4.8b
NEIC VI 27 00 14 34.5 24.73S 177.24W 106 5.1,4.8b
NEIC VI 27 00 14 37.3–1.9 24.79S–.07 177.22W–.09 132–1 5.6,5.5

NOU VI 27 00 14 37.9 24.66S 176.56W 189 5.3b,5.5
BGR VI 27 00 14 38.0 24.67S 176.03W 140–3 5.3b,5.5
GCMT VI 27 00 14 39.3–.10 24.83S–.01 177.04W–.01 139–0 5.5W,5.5
ISC Event type ke.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2^{s}9 Moment tensor: Scale 10^{17}Nm; M_{rr}0.34 $M_{\theta\theta}$-1.56 $M_{\phi\phi}$1.22 $M_{r\theta}$-0.84 $M_{\theta\phi}$-0.09 $M_{\phi r}$-1.30 NP1:ϕ_s225.28000°,δ82.89000°,λ47.30000°. NP2:ϕ_s127.65000°,δ43.17000°,λ169.58000°. Principal axes: T 2.2007,Plg37.0000°,Azm98.0000°; N -0.2057,Plg42.0000°,Azm232.0000°; P -1.9950,Plg25.0000°,Azm347.0000° $M_0$2.10000$\times10^{17}$
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.08 $M_{\theta\theta}$-1.95 $M_{\phi\phi}$0.87 $M_{r\theta}$-1.18 $M_{\theta\phi}$-0.84 $M_{\phi r}$-1.61 NP1:ϕ_s221.88000°,δ75.71000°,λ56.93000°. NP2:ϕ_s111.12000°,δ35.70000°,λ154.98000°. Principal axes: T 2.6049,Plg48.0000°,Azm96.0000°; N 0.2613,Plg32.0000°,Azm231.0000°; P -2.8662,Plg24.0000°,Azm337.0000° $M_0$2.74000$\times10^{17}$
NOU South of Fiji Islands.
BGR Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s139,c261; s148,c285;Duration: 1^{s}3 Moment tensor: Scale 10^{17}Nm; M_{rr}0.59±.02 $M_{\theta\theta}$-1.58±.03; $M_{\phi\phi}$0.98±.03; $M_{r\theta}$-0.91±.02; $M_{\theta\phi}$0.16±.02; $M_{\phi r}$-1.30±.02; Best double couple: NP1:ϕ_s233.00000°,δ79.00000°,λ50.00000°. NP2:ϕ_s129.00000°,δ41.00000°,λ163.00000°. Principal axes: T 2.2420,Plg42.0000°,Azm105.0000°; N -0.2950,Plg39.0000°,Azm242.0000°; P -1.9490,Plg23.0000°,Azm352.0000° $M_0$2.09500$\times10^{17}$

ISC VI 27 17 39 03.2–.70 23.39S–.09 179.74W–.10 536 4.5b 58 15-147
IDC VI 27 17 39 01.6–2.6 23.27S 179.69W 516–29 4.4,3.5b **¶610789585**
NEIC VI 27 17 39 02.4–1.9 23.3S–.10 179.7W–.10 525–12 4.5b,3.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC VI 28 12 12 18.6–.35 26.22S–.05 178.53E–.07 631 4.6b 290 4-167
IDC VI 28 12 12 19.4–.93 26.13S 178.46E 639–9 4.9,3.9b **¶616640049**
NEIC VI 28 12 12 20.0–1.8 26.25S–.10 178.6E–.10 643–3 4.7b,3.9b
NOU VI 28 12 12 19.6 26.24S 178.58E 660 4.7b,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=13.2km s-min=9.0km az=79.0.
NEIC Event type se. Error ellipse: s-maj=15.2km s-min=13.8km az=72.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU South of Fiji Islands.

ISC VI 29 19 21 09.0–1.4 22.6S–.10 179.7W–.20 579 4.0b 23 5-78
NEIC VI 29 19 21 08.6–1.2 22.6S–.20 179.53W–.10 573–20 4.1b **¶610789734**
IDC VI 29 19 21 10.1–11 22.07S 179.56W 615–100 4.0,2.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=29.7km s-min=10.0km az=162.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=263.5km s-min=109.9km az=84.0.

ISC VI 30 01 16 08.6–.48 23.99S–.07 179.95W–.09 525 4.2b 69 6-151
IDC VI 30 01 16 06.5–1.5 24.10S 179.91W 501–14 4.4,3.5b **¶610761013**
NEIC VI 30 01 16 09.4–1.9 23.9S–.10 179.93E–.07 525–10 4.3b,3.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC VI 30 02 32 39.1–.85 25.1S–.10 180.0E–.20 500 3.5b 17 13-148
IDC VI 30 02 32 42.4–3.8 25.21S 179.75E 532–41 4.2,3.2b **¶610761014**
ISC Event type ke.
IDC Error ellipse: s-maj=33.2km s-min=29.2km az=16.0.

(173) Tonga Islands.

IDC I 01 13 24 52.5–3.3 15.12S 175.20W 0 3.8,3.8b
¶610236387
IDC Error ellipse: s-maj=175.0km s-min=28.4km az=145.0.

IDC I 01 15 48 29.9–29 18.98S 173.57W 0 3.8,3.8b
¶610236397
IDC Error ellipse: s-maj=535.7km s-min=178.1km az=71.0.

IDC I 01 19 50 23.5–8.7 18.67S 175.98W 303–50 4.2,3.5b
¶610236411
IDC Error ellipse: s-maj=117.2km s-min=83.5km az=140.0.

ISC I 02 19 44 41.1–.51 19.7S–.10 175.75W–.06 250 4.5b 67 3-152
NEIC I 02 19 44 40.9–2.0 19.5S–.20 175.73W–.04 256–14 4.7b **¶610236508**
NOU I 02 19 44 43.5 19.41S 175.78W 249 4.5
IDC I 02 19 44 44.9–2.9 19.89S 176.11W 274–25 4.4,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=24.4km s-min=5.9km az=180.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Tonga Islands.
IDC Error ellipse: s-maj=23.0km s-min=18.2km az=111.0.

IDC I 03 06 35 52.9–5.2 21.40S 175.96W 0 3.9,3.9b
¶610236536
IDC Error ellipse: s-maj=160.6km s-min=99.1km az=169.0.

ISC I 04 16 38 59.6–.68 18.71S–.10 173.29W–.08 10 4.3b 29 3-149
NEIC I 04 16 38 59.8–3.0 18.66S–.09 173.2W–.10 10–2 4.5b **¶610236709**
IDC I 04 16 39 02.6–1.3 20.63S 173.28W 0 4.0,4.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.8km s-min=14.9km az=89.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=53.2km s-min=26.9km az=151.0.

ISC I 05 14 20 12.5–.59 15.14S–.09 173.5W–.10 10 4.5b,3.7s 46 2-154
IDC I 05 14 20 10.7–1.0 15.44S 173.59W 0 4.2,4.2b **¶610101588**
NEIC I 05 14 20 14–2.1 15.1S–.10 173.5W–.10 10–1 4.5b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC I 05 21 05 32.7–46 16.80S 175.66W 0 4.0,4.0b
¶610236794
IDC Error ellipse: s-maj=857.2km s-min=165.2km az=79.0.

IDC I 05 22 21 16.2–8.1 15.25S 173.90W 0 3.9,3.9b
¶610236797
IDC Error ellipse: s-maj=341.8km s-min=68.2km az=138.0.

IDC I 06 07 42 54.9–2.9 19.00S 175.81W 0 4.0,4.0b
¶610236818
IDC Error ellipse: s-maj=165.8km s-min=45.0km az=147.0.

ISC I 06 12 59 32.8–.30 19.53S–.06 175.70W–.05 223 4.7b 273 5-159
BJI I 06 12 59 27.8–.00 19.34S 175.20W 196 5.2b,4.8b **¶610038449**
IDC I 06 12 59 28.9–1.9 19.44S 175.77W 185–17 4.8,4.3b
NEIC I 06 12 59 29.3–1.0 19.4S–.10 175.72W–.10 184–7 4.6b,4.3b
BGR I 06 12 59 30.6 19.92S 175.10W 200 4.6b,4.3b
ISC Event type se.
IDC Error ellipse: s-maj=12.9km s-min=10.7km az=145.0.
NEIC Event type se. Error ellipse: s-maj=14.8km s-min=13.0km az=192.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BGR Event type ke.

ISC I 06 23 25 55.7–.60 15.36S–.09 174.2W–.10 10 4.3b 25 3-146
NEIC I 06 23 25 54.8–2.7 15.30S–.08 174.03W–.06 10–1 4.5b **¶610236865**
IDC I 06 23 25 56.0–.82 15.45S 174.35W 0 4.0,4.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.7km s-min=6.5km az=325.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=34.2km s-min=19.1km az=128.0.

ISC I 06 23 36 17.1–.62 15.4S–.10 174.2W–.10 10 4.4b,4.4s 35 3-146
IDC I 06 23 36 15.3–.81 15.39S 174.12W 0 4.3s,4.1 **¶610101605**
NEIC I 06 23 36 16.0–2.7 15.18S–.06 174.1W–.10 10–1 4.6b,4.1
NOU I 06 23 36 16.7 15.08S 173.70W 170 4.2,4.1
GCMT I 06 23 36 21.0–.20 15.11S–.01 174.09W–.01 21–1 5.1W,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Tonga Islands.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s47,c62; s110,c156;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.17±.17 $M_{\theta\theta}$-0.08±.20; $M_{\phi\phi}$0.24±.17; $M_{r\theta}$0.10±.27; $M_{\theta\phi}$5.93±.15; $M_{\phi r}$-0.03±.23; Best double couple: NP1:ϕ_s269.00000°,δ90.00000°,λ-1.00000°. NP2:ϕ_s359.00000°,δ89.00000°,λ-180.00000°. Principal axes: T 6.0150,Plg0.0000°,Azm314.0000°; N -0.1640,Plg89.0000°,Azm71.0000°; P -5.8510,Plg1.0000°,Azm224.0000° $M_0$5.93300$\times10^{16}$

ISC I 07 17 19 37.5–.56 17.25S–.09 174.16W–.08 124 4.5b 50 4-148
NEIC I 07 17 19 36.3–2.9 17.29S–.10 174.19W–.10 95–9 4.7b **¶610236909**
IDC I 07 17 19 39.0–3.5 17.36S 174.24W 131–31 4.3,3.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.3km s-min=13.2km az=187.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=23.9km s-min=13.7km az=128.0.

ISC I 09 03 14 27.8–.50 15.30S–.05 174.83W–.05 260–4 4.8b 395 3-154
BJI I 09 03 14 23.0–.00 15.30S 174.80W 229 5.1b,4.8b **¶610049851**
NEIC I 09 03 14 25.2–1.8 15.26S–.10 174.9W–.10 232–5 4.9b,4.8b
IDC I 09 03 14 27.3–.61 15.30S 174.88W 250–5 4.8,4.2b
NOU I 09 03 14 28.5 15.29S 174.65W 271 5.2b,4.2b
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s158.67084°,δ19.14218°,λ-81.46843°. NP2: ϕ_s329.64792°,δ71.07775°,λ-92.94782°. Principal axes: T Plg26.0213°,Azm61.9671°; N Plg2.7884°,Azm330.6046°; P Plg63.8071°,Azm234.9223°
NEIC Event type se. Error ellipse: s-maj=16.8km s-min=13.3km az=116.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=14.1km s-min=9.1km az=117.0.
NOU Tonga Islands.

ISC I 10 21 02 50.1–.63 17.36S–.09 174.14W–.07 108 4.1b 21 4-84
NEIC I 10 21 02 50.1–.74 17.3S–.10 174.17W–.10 107–16 4.2b **¶610101616**
IDC I 10 21 02 51.4–1.1 17.36S 174.27W 119–8 4.2,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=23.8km s-min=3.4km az=213.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=35.7km s-min=18.0km az=144.0.

IDC I 11 13 21 22.6–27 21.93S 174.92W 0 4.1,4.1b
¶610237151
IDC Error ellipse: s-maj=504.3km s-min=155.3km az=76.0.

ISC I 12 23 27 12.8–1.1 15.1S–.20 173.9W–.10 400 4.0b 22 2-93
NEIC I 12 23 27 13.0–1.3 15.2S–.10 174.0W–.20 381–8 4.2b **¶610237265**
IDC I 12 23 27 41.0–2.4 16.47S 175.11W 634–31 4.1,3.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=25.3km s-min=16.8km az=56.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=39.8km s-min=21.7km az=146.0.

ISC I 13 23 26 41.2–.76 19.3S–.20 173.6W–.10 10 4.8b 51 6-150
IDC I 13 23 26 39.7–.80 19.49S 173.55W 0 4.5,4.5b **¶615968502**
NEIC I 13 23 27 18.4–2.0 20.2S–.10 176.0W–.10 178–8 4.7b,4.5b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC I 14 01 08 47.1–.62 19.70S–.07 173.96W–.07 50 4.2b 27 4-87
IDC I 14 01 08 43.8–1.2 19.60S 174.61W 0 4.2L,4.1 **¶610237325**
NOU I 14 01 08 45.7 19.90S 173.78W 3 4.9,4.1
NEIC I 14 01 08 48.5–1.2 19.6S–.10 173.8W–.10 89–13 4.3b,4.1
ISC Event type se.
NOU Tonga Islands.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC I 14 10 34 51.1–.24 15.22S–.05 173.31W–.04 10 5.4b,5.0s 739 2-166
NEIC I 14 10 34 45.1 13.81S 173.04W 12 5.4b,5.0s **¶610570673**
BJI I 14 10 34 49.4–.00 15.29S 173.38W 5 5.4b,5.1s
IDC I 14 10 34 50.3–.39 15.26S 173.45W 0 5.0b,4.9
MOS I 14 10 34 50.7–1.4 15.25S 173.38W 10 5.4b,4.9s
NEIC I 14 10 34 50.4–1.2 15.11S–.07 173.27W–.07 5–3 5.5,5.4b
NOU I 14 10 34 56.5 15.10S 173.05W 76 5.4b,5.4b
GCMT I 14 10 35 01.1–.20 15.17S–.01 173.18W–.01 12 5.6W,5.4b
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s116.64474°,δ63.00080°,λ-104.21499°. NP2: ϕ_s325.80603°,δ30.26188°,λ-64.26792°. Principal axes: T Plg16.8423°,Azm217.0972°; N Plg12.6385°,Azm123.2050°; P Plg68.7110°,Azm358.0738°
NEIC Event type se. Moment Tensor Solution.Duration: 1^{s}9 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.14 $M_{\theta\theta}$0.16 $M_{\phi\phi}$-0.03 $M_{r\theta}$-1.41 $M_{\theta\phi}$-0.13 $M_{\phi r}$0.80 NP1:ϕ_s141.91000°,δ88.11000°,λ-86.97000°. NP2:ϕ_s263.84000°,δ3.58000°,λ-148.02000°. Principal axes: T 2.3156,Plg43.0000°,Azm229.0000°; N -0.0321,Plg3.0000°,Azm322.0000°; P -2.2835,Plg47.0000°,Azm55.0000° $M_0$2.30000$\times10^{17}$
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Tonga Islands.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s37,c42; s126,c173;Duration: 1^{s}6 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.08±.02 $M_{\theta\theta}$0.22±.03; $M_{\phi\phi}$-0.14±.02; $M_{r\theta}$-3.39±.05; $M_{\theta\phi}$-0.09±.02; $M_{\phi r}$1.10±.05; Best double couple: NP1:ϕ_s108.00000°,δ89.00000°,λ-89.00000°. NP2:ϕ_s262.00000°,δ1.00000°,λ-116.00000°. Principal axes: T 3.6480,Plg44.0000°,Azm197.0000°; N -0.1610,Plg1.0000°,Azm288.0000°; P -3.4870,Plg46.0000°,Azm19.0000° $M_0$3.56800$\times10^{17}$

IDC I 14 10 54 45.7–9.8 16.93S 173.71W 0 3.8,3.8b
¶610237353
IDC Error ellipse: s-maj=435.7km s-min=36.8km az=140.0.

ISC I 14 22 00 08.6–.40 20.06S–.07 173.25W–.06 10 4.7b,3.9s 104 3-172
NEIC I 14 22 00 08.9–1.5 20.1S–.10 173.22W–.10 10–1 4.8b,3.9s **¶610094890**
IDC I 14 22 00 09.3–.71 20.05S 173.60W 0 4.4,4.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.2km s-min=15.6km az=170.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=29.1km s-min=16.1km az=140.0.

ISC I 15 12 24 10.2–.56 15.8S–.10 174.92W–.08 300 4.2b 48 3-145
IDC I 15 12 24 08.6–1.2 15.74S 175.08W 271–14 4.2,3.7b **¶610237437**
NEIC I 15 12 24 09.8–1.2 15.8S–.20 174.9W–.10 297–16 4.3b,3.7b
NOU I 15 12 24 11.6 15.72S 174.92W 261 4.6,3.7b
ISC Event type se.
IDC Error ellipse: s-maj=26.5km s-min=11.8km az=139.0.
NEIC Event type se. Error ellipse: s-maj=24.7km s-min=18.3km az=198.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Tonga Islands.

IDC I 16 08 13 42.4–61 19.71S 175.24W 0 3.6,3.6b
¶610237498
IDC Error ellipse: s-maj=1152.0km s-min=187.0km az=83.0.

ISC I 16 15 02 05.5–.46 17.19S–.07 174.78W–.06 256 4.6b 138 4-150
IDC I 16 15 02 03.4–2.1 17.27S 175.05W 223–21 4.5,3.9b **¶610097489**
NEIC I 16 15 02 04.5–.90 17.3S–.10 174.95W–.05 229–12 4.7b,3.9b
NOU I 16 15 02 07.3 17.02S 174.79W 285 4.7b,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=18.8km s-min=12.8km az=119.0.
NEIC Event type se. Error ellipse: s-maj=16.9km s-min=6.5km az=178.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Tonga Islands.

IDC I 16 23 05 19.3–6.4 15.61S 173.38W 0 3.6,3.6L
¶610237544
IDC Error ellipse: s-maj=308.4km s-min=24.8km az=142.0.

ISC I 16 23 28 38.6–1.1 18.4S–.30 175.7W–.30 238 3.3b 5 6-86
IDC I 16 23 28 43.9–3.6 18.42S 175.71W 289–33 4.0,3.3b **¶610237547**

ISC Event type ke.
IDC Error ellipse: s-maj=35.5km s-min=24.8km az=140.0.
ISC I 17 05 17 52.4–1.3 15.8S–.30 173.1W–.30 35 3.7b 6 2-83
IDC I 17 05 17 47.9–1.6 15.77S 173.24W 0 3.8,3.8b ¶610237569
ISC Event type ke.
IDC Error ellipse: s-maj=62.8km s-min=23.4km az=131.0.
IDC I 18 01 06 19.3–5.9 20.00S 173.73W 0 3.9b,3.8 ¶616064701
IDC Error ellipse: s-maj=301.1km s-min=40.0km az=150.0.
ISC I 18 05 59 11.7–.27 15.82S–.04 173.55W–.05 79 4.8b 431 3-155
BGR I 18 05 59 05.0 16.16S 173.63W 33 4.7s ¶610099197
IDC I 18 05 59 10.7–2.1 15.71S 173.69W 67–18 4.8,4.4b
BJI I 18 05 59 10.0–.00 15.80S 173.60W 67 5.4b,4.9b
NEIC I 18 05 59 12.7–2.1 15.77S–.08 173.61W–.09 82–7 4.8b,4.9b
NOU I 18 05 59 15.4 15.62S 173.21W 141 5.1b,4.9b
GCMT I 18 05 59 18.7–.20 15.77S–.01 173.30W–.01 116–1 5.2W,4.9b
ISC Event type se.
BGR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Tonga Islands.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s80,c117; s125,c199;Duration: 1s0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.91±.14 $M_{\theta\theta}$-6.17±.19; $M_{\phi\phi}$4.26±.17; $M_{r\theta}$-0.99±.13; $M_{\theta\phi}$3.83±.19; $M_{\phi r}$4.58±.10; Best double couple: NP1:ϕ_s329.00000°,δ78.00000°,λ144.00000°. NP2:ϕ_s68.00000°,δ55.00000°,λ15.00000°. Principal axes: T 8.2500,Plg34.0000° ,Azm282.0000°; N -0.1870,Plg52.0000°,Azm133.0000°; P -8.0620,Plg15.0000° ,Azm23.0000° $M_0$8.15600×10^{16}
ISC I 18 08 50 17.5–.40 15.15S–.06 173.44W–.06 30 4.6b,3.9s 86 2-148
IDC I 18 08 50 14.0–.57 15.19S 173.52W 0 4.5L,4.4 ¶610101938
NEIC I 18 08 50 17.1–1.7 15.11S–.07 173.43W–.07 24–5 4.7b,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC I 18 22 05 38.3–56 20.63S 174.86W 0 4.0,4.0b ¶610237688
IDC Error ellipse: s-maj=1053.0km s-min=178.7km az=84.0.
IDC I 19 04 30 09.2–54 19.28S 174.55W 0 3.8,3.8b ¶610237704
IDC Error ellipse: s-maj=1028.0km s-min=174.2km az=82.0.
ISC I 19 23 07 41.3–.85 16.2S–.10 173.23W–.09 100 4.8b 12 3-149
IDC I 19 23 07 38.4–3.4 16.17S 173.82W 46–37 4.9,4.5b ¶610237749
NOU I 19 23 07 56.7 14.60S 172.54W 174 4.3,4.5b
ISC Event type ke.
IDC Error ellipse: s-maj=49.3km s-min=30.0km az=129.0.
NOU Samoa Islands.
ISC I 20 03 32 11.6–1.0 20.7S–.10 175.9W–.20 211 3.5b 11 6-151
IDC I 20 03 32 13.2–3.6 20.53S 176.10W 222–29 4.0,3.3b ¶610234911
ISC Event type ke.
IDC Error ellipse: s-maj=36.1km s-min=22.6km az=133.0.
ISC I 20 17 36 08.7–.45 17.31S–.06 174.06W–.04 110–3 4.9b 193 4-150
IDC I 20 17 36 06.1–1.7 17.26S 174.24W 88–16 4.5,4.2b ¶610103759
BJI I 20 17 36 07.0–.00 17.63S 174.19W 103 5.5b,4.7b
NEIC I 20 17 36 08.6–2.2 17.24S–.04 174.07W–.09 110–7 5.1b,4.7b
NOU I 20 17 36 09.2 16.86S 173.63W 167 4.6b,4.7b
GCMT I 20 17 36 15.6–.10 17.41S–.01 173.71W–.01 150–1 5.3W,4.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Tonga Islands.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s97,c140; s139,c230;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.46±.02 $M_{\theta\theta}$-0.17±.02; $M_{\phi\phi}$0.63±.02; $M_{r\theta}$0.42±.01; $M_{\theta\phi}$0.08±.02; $M_{\phi r}$0.79±.01; Best double couple: NP1:ϕ_s206.00000°,δ76.00000°,λ-75.00000°. NP2:ϕ_s340.00000°,δ21.00000°,λ-134.00000°. Principal axes: T 1.0990,Plg29.0000° ,Azm284.0000°; N -0.0840,Plg14.0000°,Azm22.0000°; P -1.0150,Plg57.0000° ,Azm135.0000° $M_0$1.05700×10^{17}
IDC I 21 19 32 45.6–7.0 17.06S 174.38W 0 3.7L,3.6 ¶610235013
IDC Error ellipse: s-maj=341.0km s-min=31.4km az=142.0.
ISC I 21 20 47 04.9–.57 20.87S–.10 175.58W–.09 150 4.3b 62 4-172
NOU I 21 20 46 54.4 20.99S 174.99W 0 4.7 ¶610235018
NEIC I 21 20 46 55.8–2.0 20.8S–.10 175.2W–.10 79–9 4.6b
IDC I 21 20 47 05.6–3.6 20.93S 175.64W 153–30 4.3,3.8b
ISC Event type se.
NOU Tonga Islands.
NEIC Event type se. Error ellipse: s-maj=19.7km s-min=15.5km az=171.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=23.5km s-min=17.2km az=128.0.
IDC I 21 23 05 57.0–3.4 15.76S 174.50W 0 3.6,3.6b ¶610235030
IDC Error ellipse: s-maj=176.8km s-min=27.7km az=147.0.
IDC I 22 08 43 37.3–10 16.16S 173.32W 0 3.4,3.4b ¶610235094
IDC Error ellipse: s-maj=468.0km s-min=26.5km az=139.0.
ISC I 23 12 17 18.2–2.5 15.7S–.70 173.6W–.50 35 3.6b 9 2-146
IDC I 23 12 17 12.2–2.5 16.15S 173.43W 0 3.7,3.7b ¶610235192
NOU I 23 12 17 49.4 13.68S 171.77W 0 2.8,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=137.2km s-min=22.5km az=145.0.
NOU Samoa Islands.
IDC I 24 23 52 59.2–15 17.93S 175.93W 399–79 3.8,2.9b ¶610235289
IDC Error ellipse: s-maj=312.4km s-min=52.7km az=136.0.
IDC I 26 13 14 08.5–52 15.33S 173.04W 0 4.1,4.1b ¶610235385
IDC Error ellipse: s-maj=1000.0km s-min=185.9km az=78.0.
ISC I 26 16 52 12.3–.51 19.73S–.08 174.95W–.06 150 4.0b 47 5-148
NEIC I 26 16 52 12.7–2.0 19.7S–.10 174.9W–.10 166–11 4.4b ¶610235401
NOU I 26 16 52 15.6 19.45S 174.73W 196 4.1b
IDC I 26 16 52 22.2–2.8 19.84S 175.31W 236–25 4.1,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.4km s-min=15.1km az=174.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Tonga Islands.
IDC Error ellipse: s-maj=21.6km s-min=11.9km az=111.0.
ISC I 27 19 58 26.1–4.4 15S–1.0 175.6W–.20 500 3.8b 6 7-48
IDC I 27 19 58 28.9–4.2 15.70S 175.63W 516–29 4.2,3.2b ¶610235499
ISC Event type ke.
IDC Error ellipse: s-maj=123.0km s-min=30.8km az=4.0.
IDC I 28 19 57 46.2–62 15.14S 173.16W 0 4.3s,3.7 ¶610235590
IDC Error ellipse: s-maj=1196.0km s-min=212.2km az=78.0.
ISC I 28 22 32 54.4–.29 15.37S–.03 173.02W–.04 31–1 5.5b,5.0s 1327 2-174
IDC I 28 22 32 49.7–.33 15.42S 173.11W 0 5.5L,5.1 ¶610147559
BJI I 28 22 32 50.7–.00 15.17S 172.98W 10 5.6b,5.1b
NOU I 28 22 32 53.8 15.44S 172.98W 29 5.5b,5.1b
MOS I 28 22 32 54.1–1.1 15.41S 173.12W 37 5.7b,5.1s
NEIC I 28 22 32 56.3–1.3 15.23S–.07 173.08W–.07 37–3 5.6b,5.4
NEIC I 28 22 32 56.4 15.22S 173.08W 60 5.6b,5.4
NEIC I 28 22 32 56.4 14.82S 172.45W 60 5.6b,5.4
GCMT I 28 22 33 01.3–.10 15.29S–.01 172.90W–.01 59–1 5.5W,5.4
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s202.11908°,δ53.63836°,λ-171.67703°. NP2: ϕ_s107.16196°,δ83.30592°,λ-36.65173°. Principal axes: T Plg19.6822°,Azm160.1130° ; N Plg52.8265°,Azm278.2582°; P Plg30.1096°,Azm58.1410°
NOU Samoa Islands Region.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.63 $M_{\theta\theta}$0.20 $M_{\phi\phi}$0.43 $M_{r\theta}$-1.21 $M_{\theta\phi}$1.00 $M_{\phi r}$0.34 NP1:ϕ_s188.47000°,δ42.99000°,λ-156.70000°. NP2:ϕ_s80.98000°,δ74.35000° ,λ-49.43000°. Principal axes: T 1.5175,Plg19.0000°,Azm142.0000°; N 0.3242,Plg39.0000° ,Azm248.0000°; P -1.8417,Plg45.0000°,Azm32.0000° $M_0$1.70000×10^{17}
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2s6 Moment tensor: Scale 10^{17}Nm; M_{rr}0.57 $M_{\theta\theta}$-0.73 $M_{\phi\phi}$0.16 $M_{r\theta}$-1.37 $M_{\theta\phi}$0.93 $M_{\phi r}$0.21 NP1:ϕ_s274.81000°,δ77.44000° ,λ62.74000°. NP2:ϕ_s161.92000°,δ29.81000°,λ154.05000°. Principal axes: T 1.5318,Plg50.0000°,Azm154.0000°; N 0.4457,Plg27.0000°,Azm281.0000° ; P -1.9775,Plg27.0000°,Azm26.0000° $M_0$1.75000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s110,c171; s156,c266;Duration: 1s4 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.08±.03 $M_{\theta\theta}$0.22±.03; $M_{\phi\phi}$-0.14±.03; $M_{r\theta}$-1.81±.03; $M_{\theta\phi}$1.32±.03; $M_{\phi r}$0.22±.02; Best double couple: NP1:ϕ_s94.00000°,δ89.00000°,λ-54.00000°. NP2:ϕ_s186.00000°,δ36.00000°,λ-178.00000°. Principal axes: T 2.2130,Plg34.0000° ,Azm154.0000°; N 0.0890,Plg36.0000°,Azm273.0000°; P -2.3020,Plg36.0000°,Azm35.0000° $M_0$2.25800×10^{17}
IDC I 29 08 23 11.1–1.5 15.39S 173.31W 0 4.1L,4.0 ¶610235623
IDC Error ellipse: s-maj=58.0km s-min=25.5km az=138.0.
ISC I 29 16 01 22.7–3.5 15.3S–.90 173.1W–.90 35 3.6b 6 2-82
IDC I 29 16 01 17.3–4.5 15.68S 172.96W 0 4.3L,3.7 ¶610235655
NOU I 29 16 01 36.1 14.17S 172.34W 100 3.8,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=202.2km s-min=23.2km az=136.0.
NOU Samoa Islands.
ISC I 31 17 23 44.9–5.2 15S–1.0 173W–1.0 35 3.9b,3.4s 7 2-146
IDC I 31 17 23 40.6–4.4 15.27S 173.30W 0 3.8,3.8b ¶610184282
ISC Event type se.
IDC Error ellipse: s-maj=218.4km s-min=24.0km az=144.0.
ISC II 01 13 48 53.6–.31 19.82S–.05 175.90W–.05 200 4.7b 426 6-173
IDC II 01 13 48 52.8–1.9 19.57S 175.90W 189–17 4.9,4.4b ¶610169725
NEIC II 01 13 48 54.9–2.7 19.6S–.10 175.81W–.09 206–5 4.7b,4.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 02 00 12 31.6–.52 17.15S–.06 174.13W–.05 112–5 4.8b 179 4-174
NEIC II 02 00 12 32.4–1.3 17.13S–.09 174.17W–.10 117–7 4.7b ¶610172166
IDC II 02 00 12 33.4–2.0 17.10S 174.20W 132–18 4.7,4.3b
NOU II 02 00 12 36.6 16.97S 173.74W 186 4.9b,4.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.8km s-min=12.9km az=85.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=13.2km s-min=10.1km az=132.0.
NOU Tonga Islands.
ISC II 02 23 34 14.9–.80 16.23S–.08 174.28W–.09 150 3.9b 16 3-146
NEIC II 02 23 34 16.0–1.8 16.2S–.10 174.2W–.20 157–22 4.2b ¶610414704
IDC II 02 23 34 16.8–2.8 15.82S 174.66W 154–45 3.8,3.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=29.3km s-min=13.5km az=72.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=158.5km s-min=25.3km az=140.0.
IDC II 04 12 35 15.2–39 20.72S 174.91W 510–285 3.9,2.9b ¶610414817
IDC Error ellipse: s-maj=433.8km s-min=84.2km az=87.0.
IDC II 04 12 46 26.0–3.3 16.43S 174.67W 256–33 3.8,3.2b ¶610414819
IDC Error ellipse: s-maj=147.2km s-min=25.7km az=153.0.
IDC II 04 19 07 32.5–1.9 21.65S 175.80W 0 4.0,3.8b ¶610414834
IDC Error ellipse: s-maj=108.8km s-min=33.5km az=165.0.
ISC II 07 04 09 23.9–.61 21.1S–.10 174.94W–.09 100 4.1b 25 5-171
NOU II 07 04 09 24.3 20.89S 174.66W 118 4.2b ¶610415011
IDC II 07 04 09 30.7–3.7 21.11S 175.49W 151–31 4.2,3.6s
ISC Event type ke.
NOU Tonga Islands.
IDC Error ellipse: s-maj=25.8km s-min=18.6km az=129.0.
ISC II 07 17 41 34.2–1.2 17.9S–.20 173.7W–.30 37 3.8b 6 4-148
IDC II 07 17 41 29.1–1.4 17.95S 173.65W 0 3.9,3.8b ¶610415056
ISC Event type ke.
IDC Error ellipse: s-maj=55.5km s-min=24.7km az=131.0.
IDC II 07 22 24 35.6–3.9 16.09S 175.93W 0 3.9,3.9b ¶610415074
IDC Error ellipse: s-maj=194.3km s-min=81.7km az=154.0.
ISC II 07 23 07 23.3–.41 16.22S–.07 173.07W–.08 35 4.5b 119 3-150
IDC II 07 23 07 20.1–.70 16.44S 173.25W 0 4.3,4.3b ¶610415075
NEIC II 07 23 07 23.5–1.5 16.19S–.08 173.0W–.10 36–8 4.6b,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC II 09 14 51 51.0–9.4 18.46S 175.95W 0 3.8s,3.7
GCMT II 09 14 52 07.0–.30 17.30S–.02 176.67W–.02 18–1 4.9W,3.7 ¶610415177
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. Moment Tensor Solution. s18,c20; s89,c123;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.33±.13 $M_{\theta\theta}$-2.81±.13; $M_{\phi\phi}$2.48±.10; $M_{r\theta}$0.57±.28; $M_{\theta\phi}$1.53±.10; $M_{\phi r}$1.02±.27; Best double couple: NP1:ϕ_s62.00000°,δ79.00000° ,λ18.00000°. NP2:ϕ_s328.00000°,δ72.00000°,λ168.00000°. Principal axes: T 3.3210,Plg21.0000°,Azm286.0000°; N -0.0760,Plg69.0000°,Azm92.0000° ; P -3.2440,Plg5.0000°,Azm194.0000° $M_0$3.28300×10^{16}
ISC II 10 07 18 24.2–.26 21.33S–.05 175.19W–.05 39–3 5.2b,3.9s 731 5-171
NOU II 10 07 18 15.5 21.43S 173.76W 53 5.5b,3.9s ¶610207664
MOS II 10 07 18 20.1–1.1 21.13S 175.31W 16 5.4b,3.9s
NEIC II 10 07 18 21.2–1.3 21.3S–.10 175.21W–.07 10–1 5.3b,3.9s
BGR II 10 07 18 25.7 20.93S 175.28W 86–1 5.3b,3.9s
IDC II 10 07 18 25.6–1.8 21.18S 175.36W 47–16 5.3L,5.0
GCMT II 10 07 18 32.2–.20 21.22S–.02 174.74W–.01 12 5.3W,5.0
ISC Event type se.
NOU Tonga Islands.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC Event type ke. Hypocentre not reviewed by the ISC.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s55,c66; s104,c140;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}0.01±.01 $M_{\theta\theta}$-0.01±.01; $M_{\phi\phi}$0.00±.01; $M_{r\theta}$0.21±.03; $M_{\theta\phi}$0.11±.01; $M_{\phi r}$-1.16±.02; Best double couple: NP1:ϕ_s170.00000°,δ89.00000°,λ95.00000°. NP2:ϕ_s266.00000°,δ5.00000°,λ6.00000°. Principal axes: T 1.1670,Plg45.0000°,Azm85.0000° ; N 0.0340,Plg5.0000°,Azm350.0000°; P -1.2010,Plg44.0000°,Azm255.0000° $M_0$1.18400×10^{17}
ISC II 12 00 50 03.0–.53 17.63S–.10 175.19W–.09 200 4.0b 47 5-150
IDC II 12 00 50 01.2–1.8 17.70S 175.23W 180–17 4.1,3.6b ¶610415344
NEIC II 12 00 50 02.8–.83 17.6S–.10 175.2W–.10 195–9 4.2b,3.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 12 11 41 49.2–.92 15.1S–.30 173.4W–.20 35 3.6b 9 2-95
IDC II 12 11 41 44.4–1.0 15.19S 173.50W 0 4.4L,3.8 ¶610415376
NOU II 12 11 41 49.1 14.67S 172.96W 185 4.1,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=54.2km s-min=18.3km az=144.0.
NOU Samoa Islands.
ISC II 12 20 51 42.1–1.6 16.0S–.60 174.8W–.40 300 3.5b 7 4-84
IDC II 12 20 51 41.2–1.5 15.79S 175.04W 282–26 3.8,3.1b ¶610415399
ISC Event type ke.
IDC Error ellipse: s-maj=122.6km s-min=20.0km az=145.0.
IDC II 13 03 15 45.8–9.1 16.72S 175.14W 0 4.0,4.0b ¶610415419
IDC Error ellipse: s-maj=410.9km s-min=39.8km az=141.0.
IDC II 13 06 33 08.8–4.3 16.65S 174.74W 133–28 3.7,3.2b ¶610415428
IDC Error ellipse: s-maj=158.9km s-min=21.7km az=146.0.
ISC II 13 07 20 39.1–1.1 16.6S–.20 175.1W–.20 10 4.4b 21 4-64

IDC II 13 07 20 39.4–5.4 16.47S 175.43W 0 4.6,4.6b ¶610415432
NEIC II 13 07 20 39.6–.51 16.6S–.20 175.08W–.04 10–2 4.4b,4.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 13 09 40 08.2–.51 16.38S–.07 173.12W–.08 10 4.4b,3.6s 38 3-147
IDC II 13 09 40 07.4–.90 16.49S 173.25W 0 4.3,4.3b ¶610272577
NEIC II 13 09 40 08.7–1.4 16.40S–.02 173.1W–.10 10–1 4.4b,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 14 15 09 59.1–.56 16.64S–.08 174.43W–.09 150 3.9b 32 4-146
IDC II 14 15 09 59.4–2.5 16.64S 174.47W 147–22 4.0,3.6b ¶610415511
NEIC II 14 15 10 02.0–2.3 16.59S–.07 174.4W–.10 176–5 4.3b,3.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC II 15 08 21 10.5–47 16.21S 174.16W 0 4.0,4.0b
¶610415552
IDC Error ellipse: s-maj=890.9km s-min=175.0km az=79.0.
ISC II 15 10 22 18.9–.57 16.87S–.09 174.23W–.08 100 4.2b 33 4-147
IDC II 15 10 22 16.9–3.2 17.00S 174.30W 75–30 4.2,3.8b ¶610415556
NEIC II 15 10 22 18.6–1.3 16.89S–.06 174.23W–.10 89–11 4.3b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 15 19 25 12.1–.62 16.48S–.09 174.28W–.09 150 4.0b 27 4-146
IDC II 15 19 25 09.9–2.6 16.59S 174.48W 130–24 4.0,3.6b ¶610415580
NEIC II 15 19 25 12.6–1.9 16.45S–.10 174.2W–.10 139–8 4.2b,3.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC II 15 22 51 49.0–4.3 17.15S 175.46W 231–42 3.8,3.2b
¶610415591
IDC Error ellipse: s-maj=278.1km s-min=27.5km az=141.0.
ISC II 16 19 53 53.6–.48 16.38S–.05 174.11W–.05 100–4 4.9b 665 3-175
IDC II 16 19 53 53.9–1.9 16.45S 174.18W 98–16 4.7,4.4b ¶610223753
NEIC II 16 19 53 53.6–1.9 16.30S–.08 174.12W–.08 92–5 4.9b,4.4b
BJI II 16 19 53 54.5–.00 16.40S 174.10W 114 5.1b,4.9b
BGR II 16 19 53 58.8 16.46S 173.67W 100 5.1b,4.9b
GCMT II 16 19 54 00.6–.20 16.42S–.02 173.79W–.02 133–2 5.1W,4.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC Event type ke. Hypocentre not reviewed by the ISC.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function. Moment Tensor Solution. s47,c53; s106,c168;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}1.94±.14 $M_{\theta\theta}$-3.52±.17; $M_{\phi\phi}$1.58±.16; $M_{r\theta}$-3.23±.12;
$M_{\theta\phi}$-2.38±.16; $M_{\phi r}$-2.70±.10; Best double couple: NP1:ϕ_s224.00000°,δ76.00000°,λ63.00000°.
NP2:ϕ_s108.00000°,δ30.00000°,λ150.00000°. Principal axes: T 4.5680,Plg52.0000°
,Azm103.0000°; N 1.8470,Plg26.0000°,Azm231.0000°; P -6.4150,Plg26.0000°
,Azm334.0000° $M_0$5.49100×10^{16}
IDC II 18 16 55 44.2–10 16.73S 175.37W 264–264 4.0,3.4b
¶610415768
IDC Error ellipse: s-maj=288.8km s-min=117.6km az=99.0.
ISC II 18 16 58 48.6–3.2 15S–1.0 173.4W–.60 10 3.5b 5 2-82
IDC II 18 16 58 47.6–2.9 15.15S 173.59W 0 4.4L,3.7 ¶610415769
NOU II 18 16 59 07.3 14.18S 172.59W 77 3.9,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=164.6km s-min=24.5km az=149.0.
NOU Samoa Islands.
ISC II 19 11 54 46.1–.97 19.6S–.10 173.8W–.20 32 4.1b,3.3s 12 6-149
IDC II 19 11 54 42.2–1.2 19.49S 173.90W 0 4.1,4.0b ¶610272681
ISC Event type ke.
IDC Error ellipse: s-maj=41.2km s-min=20.4km az=126.0.
ISC II 19 15 31 43.3–.77 15.11S–.10 173.3W–.10 10 3.9b 19 2-146
IDC II 19 15 31 41.0–2.4 15.58S 173.31W 0 3.9,3.9b ¶610415822
NEIC II 19 15 31 43.6–.56 15.13S–.08 173.2W–.10 8–7 4.4b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC II 20 04 11 26.7–3.8 17.10S 174.23W 0 3.7,3.7b
¶610384668
IDC Error ellipse: s-maj=176.6km s-min=34.5km az=138.0.
IDC II 21 23 50 45.7–46 16.10S 174.80W 0 4.3,4.3b
¶610384779
IDC Error ellipse: s-maj=868.5km s-min=168.4km az=78.0.
ISC II 22 01 29 06.7–.51 15.45S–.08 173.59W–.09 100 4.5b 53 2-148
IDC II 22 01 29 03.7–2.4 15.40S 173.83W 62–25 4.7L,4.3 ¶610384783
NEIC II 22 01 29 04.6–1.1 15.44S–.10 173.76W–.03 69–10 4.6b,4.3
NOU II 22 01 29 26.4 14.20S 172.41W 84 3.7,4.3
ISC Event type se.
IDC Error ellipse: s-maj=78.2km s-min=15.9km az=143.0.
NEIC Event type se. Error ellipse: s-maj=14.1km s-min=3.7km az=186.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Samoa Islands.
ISC II 22 09 02 02.9–.44 15.74S–.07 173.39W–.07 10 4.7b,3.8s 70 2-175
IDC II 22 09 02 00.9–.59 15.86S 173.47W 0 4.5,4.4b ¶610239561
BJI II 22 09 02 03.6–.00 16.14S 173.74W 15 4.7b,4.4b
NEIC II 22 09 02 04.3–1.1 15.72S–.03 173.5W–.10 10–1 4.7b,4.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 23 11 52 21.9–.43 19.24S–.07 173.34W–.08 10 4.9b,4.3s 149 3-172
NEIC II 23 11 52 19.4–2.7 19.8S–.20 172.87W–.07 10–1 4.9b,4.3s ¶610239757
IDC II 23 11 52 20.5–.50 19.06S 173.56W 0 4.5,4.5b
NOU II 23 11 52 25.7 19.05S 172.77W 71 4.8b,4.5b
GCMT II 23 11 52 28.4–.30 19.35S–.04 172.79W–.02 30–0 4.9W,4.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Tonga Islands Region.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function. Moment Tensor Solution. s19,c22; s76,c103;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}2.82±.21 $M_{\theta\theta}$-0.42±.13; $M_{\phi\phi}$-2.41±.12; $M_{r\theta}$0.42±.20;
$M_{\theta\phi}$-0.59±.06; $M_{\phi r}$1.45±.13; Best double couple: NP1:ϕ_s16.00000°,δ60.00000°,λ90.00000°.
NP2:ϕ_s195.00000°,δ30.00000°,λ89.00000°. Principal axes: T 3.2140,Plg75.0000°
,Azm287.0000°; N -0.2550,Plg0.0000°,Azm196.0000°; P -2.9670,Plg15.0000°
,Azm105.0000° $M_0$3.09000×10^{16}
IDC II 24 15 50 53.8–2.8 18.05S 174.84W 0 3.8s,3.7
¶610384942
IDC Error ellipse: s-maj=200.2km s-min=25.0km az=153.0.
ISC II 24 17 58 02.5–.55 16.34S–.09 175.56W–.07 35 4.3b 42 4-147
IDC II 24 17 57 59.3–1.3 16.09S 175.84W 0 4.9s,4.2 ¶610384949
NEIC II 24 17 57 59.8–1.4 16.34S–.09 175.51W–.08 10–1 4.7b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 25 16 44 19.0–.99 18.3S–.20 175.3W–.20 205 3.9b 8 5-86
IDC II 25 16 44 20.9–2.4 18.31S 175.21W 228–30 4.1,3.5b ¶610385011
ISC Event type ke.
IDC Error ellipse: s-maj=31.7km s-min=22.7km az=100.0.
IDC II 26 00 46 00.9–6.5 16.61S 173.02W 0 3.6,3.5b
¶610385028
IDC Error ellipse: s-maj=255.9km s-min=27.2km az=135.0.
IDC II 26 08 23 31.1–8.1 16.02S 174.37W 124–37 3.7,3.3b
NOU II 26 08 24 04.3 14.36S 172.51W 77 3.2,3.3b ¶610385042
IDC Error ellipse: s-maj=462.8km s-min=26.8km az=151.0.
NOU Samoa Islands.
IDC II 26 14 11 56.3–57 16.33S 175.59W 0 3.6,3.6b
¶610385069
IDC Error ellipse: s-maj=1064.0km s-min=180.2km az=78.0.
IDC II 27 09 28 02.1–1.6 16.08S 175.99W 380–23 3.8,3.1b
¶610385116
IDC Error ellipse: s-maj=135.4km s-min=19.1km az=150.0.
IDC II 28 20 37 38.0–48 16.49S 174.87W 0 3.9,3.9b
¶610385226
IDC Error ellipse: s-maj=919.0km s-min=182.5km az=79.0.
ISC II 28 21 07 56.1–.45 17.72S–.08 174.68W–.07 200 4.3b 71 4-157
IDC II 28 21 07 54.9–2.1 17.78S 174.84W 188–20 4.3,3.8b ¶610385227
NEIC II 28 21 07 56.1–1.6 17.7S–.10 174.8W–.10 196–8 4.5b,3.8b
NOU II 28 21 08 15.5 19.94S 176.20W 155 4.3,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=21.5km s-min=12.5km az=120.0.
NEIC Event type se. Error ellipse: s-maj=17.6km s-min=15.0km az=99.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Fiji Islands Region.
ISC III 01 11 15 05.3–.72 15.17S–.07 173.36W–.09 30 4.3b,3.9s 26 2-146
IDC III 01 11 15 01.5–.82 15.15S 173.62W 0 5.5L,4.3 ¶610545320
NEIC III 01 11 15 05.8–1.2 15.14S–.07 173.43W–.06 35–2 4.3b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC III 01 18 18 20.7–4.8 17.23S 174.48W 0 4.3,4.3b
¶610545338
IDC Error ellipse: s-maj=164.2km s-min=93.8km az=166.0.
IDC III 02 01 23 29.1–47 15.15S 174.65W 0 4.0,4.0b
¶610545359
IDC Error ellipse: s-maj=898.8km s-min=191.8km az=77.0.
ISC III 02 08 37 11.7–.82 16.82S–.07 174.01W–.09 100 4.1b 20 4-92
IDC III 02 08 37 04.1–1.4 16.72S 174.80W 0 4.4L,4.1 ¶610545372
NEIC III 02 08 37 12.7–2.3 16.76S–.09 174.1W–.10 107–9 4.2b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 03 23 18 04.5–2.9 16.3S–.80 173.5W–.50 66 3.6b 7 8-147
IDC III 03 23 17 55.7–3.0 16.41S 173.34W 0 3.7,3.7b ¶610545485
ISC Event type ke.
IDC Error ellipse: s-maj=169.9km s-min=26.1km az=148.0.
IDC III 04 13 10 44.5–56 15.82S 173.63W 0 4.1,4.1b
¶610545526
IDC Error ellipse: s-maj=1068.0km s-min=191.6km az=79.0.
ISC III 05 23 31 49.3–.52 18.18S–.08 174.70W–.07 50 4.5b 44 5-147
IDC III 05 23 31 51.4–3.3 18.18S 174.73W 70–31 4.3L,4.2 ¶610545616
NEIC III 05 23 31 52.2–1.9 18.3S–.20 174.6W–.10 71–14 4.5b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 06 08 27 48.7–.58 15.46S–.10 173.80W–.09 100 4.1b 29 2-146
IDC III 06 08 27 47.2–2.6 15.61S 173.89W 84–24 4.0,3.6b ¶610545641
NEIC III 06 08 27 49.7–1.2 15.4S–.10 173.74W–.10 113–11 4.4b,3.6b
NOU III 06 08 28 10.0 14.31S 172.55W 86 3.5,3.6b
ISC Event type se.
IDC Error ellipse: s-maj=36.3km s-min=14.5km az=144.0.
NEIC Event type se. Error ellipse: s-maj=17.4km s-min=13.0km az=191.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Samoa Islands.
ISC III 07 00 54 23.6–.49 15.09S–.09 173.66W–.08 30 4.2b,3.7s 61 2-175
IDC III 07 00 54 19.9–.63 15.17S 173.76W 0 4.1,4.1b ¶610545688
NEIC III 07 00 54 23.5–1.1 15.0S–.20 173.67W–.06 32–10 4.3b,4.1b
NOU III 07 00 54 42.4 14.04S 172.55W 81 3.7,4.1b
ISC Event type se.
IDC Error ellipse: s-maj=29.3km s-min=17.0km az=140.0.
NEIC Event type se. Error ellipse: s-maj=30.3km s-min=5.5km az=169.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Samoa Islands.
ISC III 08 07 16 36.7–.47 17.58S–.07 174.11W–.09 50 4.5b 67 4-174
NEIC III 08 07 16 38.3–1.7 17.56S–.08 174.1W–.10 57–8 4.7b ¶610545785
IDC III 08 07 16 38.2–3.1 17.50S 174.12W 64–28 5.0L,4.3
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.8km s-min=10.7km az=65.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=27.9km s-min=13.7km az=129.0.
IDC III 08 16 26 36.2–9.3 15.87S 174.10W 0 3.5,3.5b
¶610545819
IDC Error ellipse: s-maj=412.1km s-min=68.6km az=140.0.
IDC III 10 02 01 41.8–3.0 19.31S 173.36W 0 3.9,3.9b
¶610545916
IDC Error ellipse: s-maj=295.9km s-min=34.9km az=159.0.
IDC III 10 17 17 38.8–4.7 15.36S 173.45W 0 3.6,3.6b
¶610545975
IDC Error ellipse: s-maj=248.5km s-min=24.8km az=145.0.
ISC III 13 12 32 35.7–.40 16.48S–.09 173.24W–.07 35 4.5b,3.7s 95 3-174
IDC III 13 12 32 35.8–.66 16.43S 173.26W 38–4 4.3,4.0b ¶610327105
NEIC III 13 12 32 35.0–1.8 16.5S–.10 173.2W–.10 28–6 4.7b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 14 19 26 21.8–1.5 16.8S–.70 175.9W–.40 300 3.9b 19 5-61
IDC III 14 19 25 52.2–3.9 15.79S 176.41W 0 4.3,4.3b ¶610546215
NEIC III 14 19 26 21.3–1.8 16.9S–.30 176.0W–.50 273–32 4.1b,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 16 06 30 42.7–.31 20.47S–.07 173.26W–.05 10 5.1b,4.3s 239 3-171
BJI III 16 06 30 42.0–.00 20.19S 173.01W 14 5.6b,5.0b ¶610329824
IDC III 16 06 30 42.6–.53 20.25S 173.75W 0 4.8L,4.6
NEIC III 16 06 30 42.2–1.3 20.44S–.07 173.13W–.07 10–1 5.2b,4.6
GCMT III 16 06 30 48.2–.20 20.34S–.02 173.15W–.01 17–0 5.0W,4.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function. Moment Tensor Solution. s43,c53; s112,c151;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}3.46±.15 $M_{\theta\theta}$-0.51±.10; $M_{\phi\phi}$-2.95±.10; $M_{r\theta}$0.95±.28;
$M_{\theta\phi}$-0.71±.06; $M_{\phi r}$1.08±.22; Best double couple: NP1:ϕ_s24.00000°,δ56.00000°,λ100.00000°.
NP2:ϕ_s187.00000°,δ35.00000°,λ76.00000°. Principal axes: T 3.7980,Plg76.0000°
,Azm325.0000°; N -0.4070,Plg8.0000°,Azm199.0000°; P -3.3920,Plg11.0000°
,Azm107.0000° $M_0$3.59500×10^{16}
ISC III 17 15 10 05.6–.31 16.22S–.06 174.16W–.05 115 4.7b 393 3-175
NEIC III 17 15 10 07.1–1.6 16.21S–.09 174.2W–.10 127–6 4.7b ¶610339933
NOU III 17 15 10 10.0 16.28S 173.87W 164 4.8b
IDC III 17 15 10 10.7–.83 16.27S 174.30W 161–7 4.5,4.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.8km s-min=13.4km az=102.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Tonga Islands.
IDC Error ellipse: s-maj=18.6km s-min=10.8km az=139.0.
ISC III 18 12 31 57.3–.88 15.4S–.20 173.2W–.20 29 3.9b,3.7s 13 2-146
IDC III 18 12 31 52.9–.80 15.41S 173.23W 0 4.3L,4.0 ¶610546452
ISC Event type ke.
IDC Error ellipse: s-maj=40.4km s-min=16.1km az=137.0.
ISC III 18 12 50 51.6–.66 19.3S–.10 175.38W–.09 200 3.8b 20 5-94
NEIC III 18 12 50 52.5–1.6 19.1S–.20 175.23W–.04 240–15 4.1b ¶610546453
IDC III 18 12 50 58.1–2.9 19.33S 175.75W 262–28 4.0,3.4b
ISC Event type se.

NEIC Event type se. Error ellipse: s-maj=23.0km s-min=4.5km az=170.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=24.3km s-min=17.3km az=146.0.
IDC III 18 18 24 09.5–8.6 16.51S 173.70W 0 3.6,3.6b
¶610546465
IDC Error ellipse: s-maj=393.0km s-min=66.9km az=141.0.
IDC III 19 11 35 07.1–4.0 16.66S 174.88W 203–44 4.1,3.5b
¶610546509
IDC Error ellipse: s-maj=124.1km s-min=36.1km az=152.0.
IDC III 19 18 35 40.7–2.6 15.81S 173.47W 0 3.9L,3.7
¶610546530
IDC Error ellipse: s-maj=148.4km s-min=21.1km az=146.0.
ISC III 20 13 17 34.7–.81 15.8S–.10 174.1W–.10 100 4.4b 18 3-83
IDC III 20 13 17 35.5–4.5 15.57S 174.14W 111–23 4.0,3.6b **¶610543331**
NEIC III 20 13 17 35.5–1.8 15.8S–.10 174.1W–.10 103–5 4.5b,3.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 21 01 38 38.9–.66 18.1S–.10 173.7W–.20 37 4.3b,3.7s 42 4-151
IDC III 21 01 38 33.6–.95 17.92S 173.76W 0 4.1,4.0b **¶610543368**
NEIC III 21 01 38 37.1–.44 18.1S–.10 173.2W–.10 43–19 4.5b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 22 05 12 31.5–.57 15.3S–.10 173.1W–.10 10 4.7b,3.8s 65 2-148
NEIC III 22 05 12 31.6–2.8 14.9S–.10 173.59W–.09 10–1 4.7b,3.8s **¶610518412**
IDC III 22 05 12 33.9–1.1 15.21S 173.63W 0 4.2,4.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.0km s-min=11.3km az=145.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=50.5km s-min=18.8km az=149.0.
ISC III 22 07 01 02.6–2.0 18.4S–.40 175.1W–.30 100 3.8b 8 6-149
IDC III 22 07 01 01.8–4.9 18.79S 174.97W 104–36 3.9,3.5b **¶610543452**
ISC Event type ke.
IDC Error ellipse: s-maj=91.9km s-min=21.4km az=145.0.
ISC III 22 08 54 24.2–1.7 16.6S–.60 175.2W–.40 300 3.4b 7 4-48
IDC III 22 08 54 22.6–3.2 16.93S 175.05W 283–30 4.0,3.3b **¶610543460**
ISC Event type ke.
IDC Error ellipse: s-maj=126.2km s-min=22.2km az=153.0.
IDC III 22 16 46 08.3–2.3 19.27S 175.57W 0 3.8,3.8b
¶610543475
IDC Error ellipse: s-maj=168.2km s-min=31.1km az=151.0.
IDC III 23 05 37 22.6–5.5 16.27S 173.94W 0 3.7,3.7b
¶610543508
IDC Error ellipse: s-maj=265.1km s-min=32.7km az=143.0.
ISC III 26 09 04 18.7–.92 17.3S–.20 175.0W–.20 256 3.6b 14 5-147
IDC III 26 09 04 16.4–1.6 17.38S 175.09W 226–16 4.0,3.5b **¶610543711**
ISC Event type ke.
IDC Error ellipse: s-maj=29.5km s-min=12.8km az=139.0.
ISC III 26 12 17 16.0–1.9 19.7S–.40 174.9W–.20 300 4.1b 22 7-148
NEIC III 26 12 16 44.9–2.6 22.4S–.30 173.3W–.10 35–2 4.6b **¶611149343**
IDC III 26 12 17 17.0–6.9 19.02S 174.71W 325–32 4.3,3.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=43.7km s-min=20.7km az=10.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=129.4km s-min=51.0km az=142.0.
ISC III 26 16 19 06.1–.49 17.58S–.10 174.94W–.08 256 4.3b 89 5-148
IDC III 26 16 19 02.8–2.0 17.37S 175.05W 216–19 4.3,3.8b **¶610543734**
NEIC III 26 16 19 02.5–1.1 17.54S–.05 174.79W–.09 219–8 4.3b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 27 13 10 38.9–.49 15.70S–.07 173.80W–.08 50 4.6b 52 3-146
IDC III 27 13 10 39.9–3.0 15.69S 173.95W 64–27 4.7L,4.3s **¶610543795**
NEIC III 27 13 10 40.3–.86 15.72S–.07 173.83W–.06 66–7 4.6b,4.3s
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 28 02 14 16.4–.50 15.75S–.08 173.69W–.09 35 4.6b,3.6s 41 3-149
IDC III 28 02 14 11.9–.88 15.58S 173.93W 0 4.2L,4.1 **¶610518415**
NEIC III 28 02 14 15.9–1.3 15.74S–.09 173.7W–.10 35–2 4.8b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 28 16 01 02.8–.48 21.20S–.05 173.83W–.05 9–2 5.2b,4.7s 639 4-171
NOU III 28 16 01 00.6 21.43S 173.64W 0 5.2b,4.7s **¶610440800**
BJI III 28 16 01 01.6–.00 21.03S 173.59W 9 5.6b,5.2b
NEIC III 28 16 01 02.2–1.8 21.16S–.09 173.62W–.08 10–1 5.3b,5.2b
IDC III 28 16 01 02.5–.36 21.24S 174.20W 0 4.8,4.8b
MOS III 28 16 01 06.4–1.3 21.16S 174.25W 33 5.4b,4.8b
GCMT III 28 16 01 07.2–.20 21.47S–.02 173.63W–.01 13–0 5.1W,4.8b
ISC Event type se.
NOU Tonga Islands.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s64,c92; s125,c197;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}4.67±.15 $M_{\theta\theta}$-0.81±.10; $M_{\phi\phi}$-3.86±.10; $M_{r\theta}$1.27±.24; $M_{\theta\phi}$-1.62±.06; $M_{\phi r}$1.38±.21; Best double couple: NP1:ϕ_s30.00000°,δ56.00000°,λ98.00000°. NP2:ϕ_s197.00000°,δ35.00000°,λ79.00000°. Principal axes: T 5.0690,Plg78.0000° ,Azm326.0000°; N -0.1780,Plg6.0000°,Azm206.0000°; P -4.8900,Plg11.0000° ,Azm115.0000° $M_0$4.98000×10^{16}
ISC III 29 07 20 07.2–.50 16.07S–.06 173.77W–.07 100 4.3b 47 3-147
IDC III 29 07 20 05.2–1.9 15.90S 174.03W 83–17 4.3,3.9b **¶610543909**
NEIC III 29 07 20 08.7–2.3 16.10S–.07 173.75W–.09 110–4 4.5b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 29 22 57 41.8–2.7 16.0S–.90 174.2W–.60 115 3.7b 9 3-147
IDC III 29 22 57 38.7–6.3 16.79S 173.76W 105–36 4.0,3.5b **¶610543959**
NOU III 29 22 58 17.0 13.99S 172.21W 67 3.3,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=179.4km s-min=23.3km az=145.0.
NOU Samoa Islands.
ISC III 31 06 59 21.3–.40 15.45S–.05 173.52W–.06 74–3 5.0b 484 2-175
BGR III 31 06 59 15.9 15.84S 172.73W 33 4.6s **¶610460797**
IDC III 31 06 59 19.5–1.8 15.30S 173.73W 61–15 4.7,4.4b
NEIC III 31 06 59 21.4–.88 15.38S–.08 173.7W–.10 71–7 5.0b,4.4b
NOU III 31 06 59 24.4 15.15S 173.27W 141 4.9b,4.4b
GCMT III 31 06 59 28.4–.20 15.30S–.02 173.30W–.02 101–2 5.1W,4.4b
ISC Event type ke.
BGR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Tonga Islands.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s46,c53; s112,c175;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-3.30±.14 $M_{\theta\theta}$4.51±.14; $M_{\phi\phi}$-1.22±.15; $M_{r\theta}$-0.06±.11; $M_{\theta\phi}$2.60±.16; $M_{\phi r}$2.80±.09; Best double couple: NP1:ϕ_s217.00000°,δ62.00000°,λ-134.00000°. NP2:ϕ_s101.00000°,δ51.00000°,λ-37.00000°. Principal axes: T 5.6280,Plg7.0000° ,Azm337.0000°; N -0.1390,Plg38.0000°,Azm241.0000°; P -5.4990,Plg51.0000° ,Azm75.0000° $M_0$5.56300×10^{16}
IDC IV 01 17 10 20.5–3.8 15.33S 173.36W 0 3.8b,3.7
¶610651716
IDC Error ellipse: s-maj=213.8km s-min=26.2km az=146.0.
IDC IV 03 04 56 16.3–6.7 18.92S 174.49W 0 3.8,3.7b
¶610651796
IDC Error ellipse: s-maj=260.1km s-min=30.1km az=138.0.

ISC IV 04 23 04 02.5–.47 18.67S–.09 175.36W–.08 238 4.3b 61 5-149
IDC IV 04 23 04 00.1–1.8 18.63S 175.38W 209–16 4.4,3.9b **¶610502360**
NEIC IV 04 23 04 01.3–2.0 18.7S–.10 175.3W–.10 220–6 4.6b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IV 05 01 21 45.6–22 18.85S 174.74W 0 3.8,3.8b
¶610651954
IDC Error ellipse: s-maj=541.4km s-min=49.8km az=37.0.
ISC IV 05 09 56 02.9–.50 15.17S–.09 173.71W–.09 30 4.3b 47 2-148
IDC IV 05 09 56 05.1–3.1 15.33S 173.64W 54–28 4.9L,4.0 **¶610651995**
NEIC IV 05 09 56 05.8–.74 15.18S–.04 173.7W–.20 48–13 4.4b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 07 05 18 36.6–.79 18.8S–.10 174.90W–.10 147 4.8b 34 5-148
IDC IV 07 05 18 20.6–2.9 18.82S 175.14W 0 4.7,4.7b **¶610652126**
NEIC IV 07 05 18 38.3–1.8 18.8S–.10 174.65W–.06 180–12 4.8b,4.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 07 08 46 28.9–.73 18.3S–.10 174.7W–.20 100 3.6b 11 5-93
IDC IV 07 08 46 28.7–2.6 18.44S 174.76W 96–25 3.9,3.4b **¶610652135**
ISC Event type ke.
IDC Error ellipse: s-maj=31.6km s-min=16.9km az=128.0.
ISC IV 08 02 55 03.7–.83 18.1S–.20 175.5W–.20 150 4.0b 11 6-147
IDC IV 08 02 55 04.1–2.4 18.13S 175.46W 156–28 4.1,3.7b **¶610652200**
ISC Event type ke.
IDC Error ellipse: s-maj=33.7km s-min=17.0km az=120.0.
ISC IV 08 18 19 28.2–.60 15.95S–.07 173.0W–.10 26 4.5b,3.1s 31 2-147
IDC IV 08 18 19 26.1–1.1 15.86S 173.34W 0 4.0,4.0b **¶610554460**
NEIC IV 08 18 19 29.1–1.8 15.97S–.06 172.9W–.20 35–12 4.6b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 08 18 34 31.7–.50 15.5S–.20 175.97W–.09 10 4.8b,4.4s 63 4-148
IDC IV 08 18 34 30.8–.87 15.44S 176.38W 0 4.3s,4.1b **¶610554461**
NEIC IV 08 18 34 32.0–1.1 15.5S–.10 176.0W–.10 10–1 4.8b,4.1b
GCMT IV 08 18 34 39.0–.20 15.02S–.01 176.19W–.01 12 5.1W,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s60,c83; s134,c215;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-0.55±.10 $M_{\theta\theta}$4.18±.10; $M_{\phi\phi}$-3.62±.08; $M_{r\theta}$0.92±.26; $M_{\theta\phi}$3.42±.08; $M_{\phi r}$-1.45±.24; Best double couple: NP1:ϕ_s293.00000°,δ79.00000°,λ-16.00000°. NP2:ϕ_s26.00000°,δ74.00000°,λ-169.00000°. Principal axes: T 5.4890,Plg4.0000° ,Azm340.0000°; N 0.0030,Plg71.0000°,Azm80.0000°; P -5.4830,Plg19.0000°,Azm249.0000° $M_0$5.48600×10^{16}
ISC IV 10 01 48 28.7–1.4 19.0S–.20 173.3W–.20 35 4.0b 8 5-86
IDC IV 10 01 48 23.4–1.6 19.04S 173.24W 0 4.1,4.1L **¶610652330**
ISC Event type ke.
IDC Error ellipse: s-maj=61.8km s-min=20.8km az=139.0.
IDC IV 10 08 46 42.2–47 15.65S 173.27W 0 4.0,4.0b
¶610652359
IDC Error ellipse: s-maj=903.2km s-min=184.1km az=79.0.
ISC IV 11 02 45 11.3–.89 21.5S–.10 173.6W–.10 10 4.2b 18 4-146
NEIC IV 11 02 45 10.5–1.1 21.5S–.10 173.47W–.04 10–2 4.6b **¶610652422**
IDC IV 11 02 45 24.0–12 21.35S 174.22W 87–91 5.1L,3.9
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=24.5km s-min=4.8km az=170.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=150.7km s-min=29.3km az=146.0.
ISC IV 11 07 24 46.1–.40 20.57S–.06 175.74W–.06 200 4.8b 127 4-154
NEIC IV 11 07 24 46.1–2.4 20.2S–.10 175.62W–.10 203–9 4.8b **¶610526217**
NOU IV 11 07 24 46.9 20.46S 175.69W 174 5.0b
IDC IV 11 07 24 50.4–2.9 20.35S 176.09W 229–25 4.7,4.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.0km s-min=13.3km az=180.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Tonga Islands.
IDC Error ellipse: s-maj=20.6km s-min=14.9km az=117.0.
ISC IV 12 00 56 53.7–2.0 15.1S–.70 173.4W–.40 35 4.0s,3.8b 21 2-154
IDC IV 12 00 56 48.8–2.6 15.15S 173.58W 0 5.0L,4.0 **¶610554465**
ISC Event type ke.
IDC Error ellipse: s-maj=135.5km s-min=25.1km az=153.0.
ISC IV 14 23 37 11.0–.39 15.19S–.07 174.09W–.07 100 4.4b 268 3-154
IDC IV 14 23 37 11.8–2.4 15.08S 174.23W 106–22 4.3,3.9b **¶610528296**
NEIC IV 14 23 37 11.7–1.0 15.17S–.09 174.1W–.10 102–8 4.4b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 14 23 43 07.9–.33 18.57S–.06 174.54W–.05 100 4.7b 351 4-174
BGR IV 14 23 43 01.8 18.19S 174.08W 33 4.7b **¶610598365**
IDC IV 14 23 43 05.3–2.9 18.64S 174.83W 75–26 4.5,4.2b
NEIC IV 14 23 43 07.2–1.8 18.54S–.08 174.52W–.08 87–7 4.8b,4.2b
NOU IV 14 23 43 10.1 18.76S 174.34W 145 4.8b,4.2b
ISC Event type ke.
BGR Event type ke.
IDC Error ellipse: s-maj=23.0km s-min=13.2km az=134.0.
NEIC Event type se. Error ellipse: s-maj=12.3km s-min=10.8km az=172.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Tonga Islands.
IDC IV 15 23 49 45.5–55 18.71S 174.77W 0 3.9,3.9b
¶610652830
IDC Error ellipse: s-maj=1039.0km s-min=178.9km az=82.0.
ISC IV 16 09 33 29.4–.61 17.27S–.07 174.26W–.08 100 4.1b 29 4-91
IDC IV 16 09 33 30.6–3.0 17.20S 174.38W 111–29 3.9,3.5b **¶610652859**
NEIC IV 16 09 33 30.1–1.5 17.24S–.07 174.3W–.10 104–4 4.4b,3.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 17 14 35 21.1–.42 16.18S–.04 173.87W–.05 100–3 5.0b 719 3-175
MOS IV 17 14 35 20.5–1.1 16.13S 173.97W 103 5.0b,4.9s **¶610529487**
NEIC IV 17 14 35 20.9–1.1 16.13S–.05 173.85W–.08 97–5 5.1b,4.9s
IDC IV 17 14 35 21.4–2.3 16.11S 173.99W 99–20 4.7,4.3b
BJI IV 17 14 35 22.0–.00 15.79S 173.66W 112 5.0b,4.6b
NOU IV 17 14 35 24.8 16.14S 173.62W 153 5.1b,4.6b
GCMT IV 17 14 35 26.9–.20 16.15S–.01 173.61W–.01 143–2 5.1W,4.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Tonga Islands.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s55,c67; s119,c174;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-0.23±.14 $M_{\theta\theta}$-1.53±.18; $M_{\phi\phi}$1.76±.17; $M_{r\theta}$3.72±.11; $M_{\theta\phi}$-0.20±.15; $M_{\phi r}$3.89±.10; Best double couple: NP1:ϕ_s223.00000°,δ89.00000°,λ-73.00000°. NP2:ϕ_s315.00000°,δ17.00000°,λ-177.00000°. Principal axes: T 5.5320,Plg42.0000° ,Azm296.0000°; N 0.2010,Plg17.0000°,Azm42.0000°; P -5.7330,Plg43.0000°,Azm149.0000° $M_0$5.63300×10^{16}
ISC IV 19 04 38 20.3–.62 16.13S–.09 173.80W–.10 100 4.2b 30 3-83
IDC IV 19 04 38 20.6–3.1 16.00S 174.03W 92–25 4.1,3.7b **¶610653026**
NEIC IV 19 04 38 22.4–2.6 16.12S–.09 173.51W–.09 129–8 4.5b,3.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 20 03 19 11.5–.36 19.44S–.07 175.81W–.06 200 4.2b 145 6-159
NEIC IV 20 03 19 12.7–2.0 19.5S–.10 175.76W–.08 207–7 4.3b **¶610544106**

IDC IV 20 03 19 18.7–1.8 19.54S 176.02W 260–16 4.4,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.1km s-min=11.5km az=171.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=17.1km s-min=10.4km az=151.0.
ISC IV 20 22 59 24.8–.35 20.75S–.04 173.74W–.03 19–1 5.4b,5.3s 1344 4-171
IDC IV 20 22 59 22.6–.39 20.60S 174.05W 0 5.1s,5.0 **¶611833495**
MOS IV 20 22 59 22.8–1.3 20.61S 173.97W 10 5.6b,5.3s
NEIC IV 20 22 59 23.1 20.52S 173.67W 10 5.6b,5.3s
BJI IV 20 22 59 23.3–.00 20.30S 173.58W 12 5.7b,5.4s
NEIC IV 20 22 59 23.1 20.82S 173.46W 20 5.7b,5.4s
NEIC IV 20 22 59 23.1 20.52S 173.67W 20 5.7b,5.4s
NEIC IV 20 22 59 24.6–2.3 20.54S–.07 173.60W–.07 13–1 5.6,5.5
NOU IV 20 22 59 24.9 20.96S 173.54W 23 5.5L,5.5
GCMT IV 20 22 59 29.6–.10 20.72S–.01 173.57W–.01 17–0 5.5W,5.5
ISC Event type se.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2s9 Moment tensor: Scale 10^{17}Nm; M_{rr}2.47 $M_{\theta\theta}$-0.20 $M_{\phi\phi}$-2.26 $M_{r\theta}$0.59 $M_{\theta\phi}$-0.04 $M_{\phi r}$1.22 NP1:ϕ_s12.24000°,δ59.70000° ,λ100.46000°. NP2:ϕ_s172.14000°,δ31.89000°,λ72.74000°. Principal axes: T 2.8661,Plg73.0000°,Azm309.0000°; N -0.2916,Plg9.0000°,Azm187.0000° ; P -2.5745,Plg14.0000°,Azm95.0000° $M_0$2.72000×10^{17}
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}2.04 $M_{\theta\theta}$-0.23 $M_{\phi\phi}$-1.81 $M_{r\theta}$0.40 $M_{\theta\phi}$-0.50 $M_{\phi r}$0.53 NP1:ϕ_s190.45000°,δ36.71000°,λ80.39000°. NP2:ϕ_s22.37000°,δ53.89000° ,λ97.09000°. Principal axes: T 2.1574,Plg80.0000°,Azm321.0000°; N -0.1089,Plg6.0000° ,Azm198.0000°; P -2.0485,Plg9.0000°,Azm107.0000° $M_0$2.11000×10^{17}
NOU Tonga Islands.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s127,c231; s146,c284;Duration: 1s4 Moment tensor: Scale 10^{17}Nm; M_{rr}1.91±.03 $M_{\theta\theta}$0.24±.03; $M_{\phi\phi}$-2.14±.03; $M_{r\theta}$0.78±.07; $M_{\theta\phi}$-0.45±.02; $M_{\phi r}$1.11±.06; Best double couple: NP1:ϕ_s25.00000°,δ55.00000°,λ105.00000°. NP2:ϕ_s175.00000°,δ32.00000°,λ64.00000°. Principal axes: T 2.3910,Plg69.0000° ,Azm326.0000°; N 0.1840,Plg13.0000°,Azm197.0000°; P -2.5690,Plg16.0000° ,Azm103.0000° $M_0$2.48000×10^{17}
IDC IV 21 01 21 44.8–4.2 20.08S 174.53W 0 3.7,3.7b
¶610653153
IDC Error ellipse: s-maj=193.8km s-min=36.5km az=142.0.
ISC IV 21 04 48 43.8–.50 17.26S–.07 174.08W–.08 150 4.4b 52 4-93
IDC IV 21 04 48 41.4–2.5 17.26S 174.39W 124–23 4.5,4.1b **¶610546709**
NEIC IV 21 04 48 42.0–1.4 17.30S–.10 174.2W–.10 126–8 4.4b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IV 22 07 04 22.8–57 16.53S 173.85W 525–165 4.1,3.1b
¶610653245
IDC Error ellipse: s-maj=816.3km s-min=140.0km az=77.0.
ISC IV 24 22 18 07.7–.37 16.13S–.05 173.62W–.05 60–3 4.9b 562 3-175
IDC IV 24 22 18 06.5–2.5 16.07S 173.78W 42–23 4.8,4.5b **¶610548807**
BJI IV 24 22 18 06.6–.00 16.20S 173.60W 60 5.6b,4.9b
NEIC IV 24 22 18 08.5–1.6 16.16S–.08 173.67W–.10 66–6 4.9b,4.9b
NOU IV 24 22 18 11.3 16.12S 173.29W 118 5.2b,4.9b
ISC Event type se.
IDC Error ellipse: s-maj=17.1km s-min=10.6km az=138.0.
NEIC Event type se. Error ellipse: s-maj=13.5km s-min=10.9km az=76.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Tonga Islands.
ISC IV 25 14 25 20.4–.44 21.91S–.07 174.50W–.07 10 4.7b 75 5-152
NEIC IV 25 14 25 19.7–2.5 21.9S–.10 174.5W–.10 10–1 4.8b **¶610649996**
NOU IV 25 14 25 27.1 21.56S 174.04W 81 4.6b
IDC IV 25 14 25 36.2–4.1 21.91S 175.18W 125–34 4.1,3.9s
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=22.9km s-min=18.5km az=123.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Tonga Islands.
IDC Error ellipse: s-maj=24.4km s-min=15.6km az=100.0.
ISC IV 25 14 35 16.6–.52 20.54S–.04 173.66W–.05 19–1 5.3b,4.8s 946 4-171
MOS IV 25 14 35 12.0–1.1 20.39S 173.72W 1 5.4b,4.8s **¶610554301**
IDC IV 25 14 35 13.3–.39 20.32S 173.67W 0 5.0,5.0b
NEIC IV 25 14 35 15.0–1.8 20.5S–.10 173.6W–.10 10–1 5.3b,5.0b
BJI IV 25 14 35 14.5–.00 20.04S 173.43W 9 5.6b,5.2b
GCMT IV 25 14 35 18.0–.10 20.58S–.01 173.17W–.01 12 5.2W,5.2b
NOU IV 25 14 35 25.2 20.39S 173.88W 74 5.1b,5.2b
ISC Event type se.
MOS Error ellipse: s-maj=11.8km s-min=8.1km az=66.0.
IDC Error ellipse: s-maj=16.2km s-min=13.2km az=128.0.
NEIC Event type se. Error ellipse: s-maj=17.2km s-min=16.0km az=165.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s86,c129; s140,c244;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.78±.01 $M_{\theta\theta}$-0.04±.01; $M_{\phi\phi}$-0.73±.01; $M_{r\theta}$0.33±.04; $M_{\theta\phi}$-0.30±.01; $M_{\phi r}$0.16±.03; Best double couple: NP1:ϕ_s37.00000°,δ56.00000°,λ110.00000°. NP2:ϕ_s184.00000°,δ38.00000°,λ63.00000°. Principal axes: T 0.8950,Plg71.0000° ,Azm355.0000°; N -0.0020,Plg16.0000°,Azm206.0000°; P -0.8930,Plg9.0000° ,Azm113.0000° $M_0$0.89400×10^{17}
NOU Tonga Islands.
IDC IV 25 20 08 55.1–2.0 16.51S 174.58W 0 4.0,4.0b
¶610598451
IDC Error ellipse: s-maj=92.2km s-min=24.8km az=147.0.
NOU IV 26 04 06 48.0 15.50S 173.52W 188 4.7b
¶612489574
NOU Tonga Islands.
IDC IV 26 09 50 34.1–4.4 15.53S 173.12W 0 3.7,3.7b
¶610650048
IDC Error ellipse: s-maj=212.3km s-min=22.7km az=139.0.
ISC IV 26 13 25 53.3–.38 20.29S–.07 173.33W–.06 10 4.7b,4.0s 116 3-151
NEIC IV 26 13 25 52.7–2.2 20.38S–.10 173.28W–.07 10–1 4.9b,4.0s **¶610559264**
IDC IV 26 13 25 53.5–.53 20.25S 173.85W 0 4.4,4.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.5km s-min=10.7km az=180.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=21.2km s-min=14.3km az=133.0.
ISC IV 26 22 38 14.9–.60 16.15S–.08 173.71W–.09 100 4.2b 21 3-91
IDC IV 26 22 38 13.9–3.0 16.05S 174.01W 85–30 4.6s,4.1 **¶610650090**
NEIC IV 26 22 38 14.3–2.7 16.16S–.08 173.7W–.10 86–6 4.4b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 27 18 46 45.7–.32 16.79S–.04 173.55W–.04 67–2 5.4b 1429 3-174
NEIC IV 27 18 46 42.4 16.51S 173.67W 33 5.4b **¶610570307**
NEIC IV 27 18 46 43 16.69S 173.04W 46 5.4b
NEIC IV 27 18 46 43 16.49S 173.67W 46 5.4b
MOS IV 27 18 46 43.9–1.3 16.63S 173.58W 59 5.5b,4.9s
BJI IV 27 18 46 45.5–.00 16.38S 173.08W 76 5.3b,5.0s
NEIC IV 27 18 46 45.4–1.8 16.53S–.08 173.65W–.08 59–1 5.5,5.5b
NOU IV 27 18 46 46.6 16.43S 173.18W 112 5.3b,5.5b
IDC IV 27 18 46 46.0–.55 16.54S 173.73W 64–4 5.0,4.7b
GCMT IV 27 18 46 49.3–.10 16.47S–.01 173.28W–.01 67–0 5.5W,4.7b
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s124.16882°,δ58.43042°,λ123.38452°. NP2: ϕ_s252.63411°,δ44.64933°,λ48.15581°. Principal axes: T Plg60.8379°,Azm87.1549° ; N Plg27.9577°,Azm285.1342°; P Plg7.6347°,Azm191.0544°
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2s9 Moment tensor: Scale 10^{17}Nm; M_{rr}1.46 $M_{\theta\theta}$-0.98 $M_{\phi\phi}$-0.48 $M_{r\theta}$-1.21 $M_{\theta\phi}$1.01 $M_{\phi r}$-1.52 NP1:ϕ_s276.94000°,δ55.93000° ,λ43.73000°. NP2:ϕ_s158.75000°,δ55.07000°,λ136.89000°. Principal axes: T 2.9128,Plg53.0000°,Azm128.0000°; N -1.1382,Plg37.0000°,Azm307.0000° ; P -1.7745,Plg0.0000°,Azm38.0000° $M_0$2.34000×10^{17}
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.54 $M_{\theta\theta}$-1.49 $M_{\phi\phi}$-0.05 $M_{r\theta}$-0.54 $M_{\theta\phi}$0.19 $M_{\phi r}$-1.30 NP1:ϕ_s117.89000°,δ41.95000°,λ134.19000°. NP2:ϕ_s245.31000° ,δ61.36000°,λ57.93000°. Principal axes: T 2.3529,Plg60.0000°,Azm107.0000° ; N -0.7648,Plg28.0000°,Azm262.0000°; P -1.5881,Plg11.0000°,Azm358.0000° $M_0$2.08000×10^{17}
NOU Tonga Islands.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s140,c250; s147,c295;Duration: 1s4 Moment tensor: Scale 10^{17}Nm; M_{rr}1.61±.03 $M_{\theta\theta}$-1.88±.02; $M_{\phi\phi}$0.26±.03; $M_{r\theta}$-0.78±.02; $M_{\theta\phi}$0.93±.02; $M_{\phi r}$-1.30±.02; Best double couple: NP1:ϕ_s259.00000°,δ59.00000°,λ48.00000°. NP2:ϕ_s140.00000°,δ50.00000°,λ139.00000°. Principal axes: T 2.6950,Plg54.0000° ,Azm115.0000°; N -0.4460,Plg35.0000°,Azm284.0000°; P -2.2500,Plg5.0000°,Azm18.0000° $M_0$2.47200×10^{17}
ISC IV 27 19 47 28.2–.93 16.3S–.20 173.7W–.30 10 4.0b 9 3-83
IDC IV 27 19 47 26.7–1.0 16.45S 173.75W 0 4.8L,3.9 **¶610650159**
ISC Event type ke.
IDC Error ellipse: s-maj=50.6km s-min=19.0km az=137.0.
ISC IV 27 21 28 22.9–.81 17.67S–.09 175.75W–.08 100 4.2b 21 5-72
IDC IV 27 21 28 15.8–2.9 17.57S 176.48W 0 4.4,4.4b **¶610650167**
NEIC IV 27 21 28 22.6–1.3 17.78S–.08 175.9W–.10 84–15 4.3b,4.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 29 08 01 35.2–.51 16.71S–.07 173.16W–.08 10 4.5b,3.7s 48 3-147
NEIC IV 29 08 01 34.7–2.3 16.63S–.07 173.0W–.10 10–1 4.5b,3.7s **¶610598472**
IDC IV 29 08 01 52.3–3.5 16.80S 173.61W 130–29 4.1,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.4km s-min=12.5km az=80.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=27.8km s-min=12.8km az=123.0.
ISC IV 29 08 50 14.0–.38 20.15S–.07 173.42W–.06 10 4.7b,3.7s 93 3-151
NEIC IV 29 08 50 13.3–2.0 20.2S–.10 173.33W–.09 10–1 4.9b,3.7s **¶610589292**
IDC IV 29 08 50 14.1–.49 20.23S 173.87W 0 4.7L,4.4
NOU IV 29 08 50 16.7 20.04S 173.22W 48 4.7b,4.4
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.2km s-min=14.1km az=162.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=21.5km s-min=14.7km az=125.0.
NOU Tonga Islands.
ISC IV 30 07 22 16.0–.54 15.99S–.09 174.78W–.09 278 4.2b 42 4-146
IDC IV 30 07 22 14.9–1.3 16.03S 174.78W 264–18 4.3,3.7b **¶610650392**
NEIC IV 30 07 22 16.1–.74 16.1S–.10 174.8W–.10 267–7 4.3b,3.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 30 20 18 03.7–2.5 15.5S–.80 173.7W–.50 10 3.8b,3.5s 10 2-146
IDC IV 30 20 18 01.6–2.6 15.76S 173.66W 0 3.8,3.8b **¶610598491**
ISC Event type ke.
IDC Error ellipse: s-maj=142.9km s-min=21.1km az=148.0.
ISC IV 30 20 58 08.1–.77 19.3S–.10 175.1W–.10 10 4.3b 18 5-135
NEIC IV 30 20 58 08.9–1.9 19.5S–.10 175.1W–.10 10–2 4.4b **¶610650449**
IDC IV 30 20 58 12.6–10 19.22S 174.97W 48–59 4.0,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=23.5km s-min=21.3km az=353.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=241.9km s-min=27.7km az=144.0.
IDC V 01 01 55 11.9–5.7 15.61S 173.82W 0 3.8L,3.6
¶610689273
IDC Error ellipse: s-maj=334.3km s-min=27.7km az=148.0.
ISC V 01 02 48 33.2–.64 17.64S–.08 173.4W–.10 39 4.3b,2.9s 25 4-148
IDC V 01 02 48 31.6–.96 17.75S 173.74W 0 4.0L,3.9 **¶610598504**
NEIC V 01 02 48 33.7–2.1 17.63S–.09 173.35W–.06 40–7 4.6b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 01 10 19 20.2–.69 17.09S–.10 174.44W–.09 172 4.4b 23 4-147
NEIC V 01 10 19 20.0–.78 17.2S–.10 174.53W–.05 157–13 4.4b **¶610689295**
IDC V 01 10 19 19.3–2.7 17.20S 174.59W 153–28 4.3,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.0km s-min=5.9km az=168.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=40.0km s-min=20.8km az=139.0.
ISC V 01 12 08 15.2–.54 17.89S–.07 175.02W–.07 228 4.3b 34 5-93
IDC V 01 12 08 14.9–2.3 18.05S 175.04W 229–21 4.1,3.5b **¶610689305**
NEIC V 01 12 08 16.2–1.5 17.74S–.06 175.0W–.10 244–16 4.4b,3.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 02 03 48 29.1–.51 17.31S–.07 173.61W–.09 39 4.3b,3.5s 39 4-174
IDC V 02 03 48 24.9–.73 17.29S 173.72W 0 4.0,3.9b **¶610598506**
NEIC V 02 03 48 25.5–1.9 17.44S–.09 173.66W–.08 11–3 4.6b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 02 08 59 35.1–.57 15.11S–.07 173.43W–.08 30 4.6b,3.7s 34 2-146
IDC V 02 08 59 31.5–.73 15.05S 173.64W 0 5.0L,3.9 **¶610598507**
NEIC V 02 08 59 34.7–1.7 15.02S–.09 173.5W–.10 25–7 4.7b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 03 21 20 54.9–.71 15.41S–.09 173.1W–.10 29 4.1b,3.4s 20 2-146
IDC V 03 21 20 50.8–1.0 15.61S 173.15W 0 4.4L,4.0 **¶610689507**
NEIC V 03 21 20 56.0–1.4 15.40S–.09 173.13W–.08 39–14 4.2b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 06 07 22 59.9–.80 15.9S–.20 175.9W–.20 350 3.7b 11 4-145
IDC V 06 07 23 00.3–1.6 15.92S 175.97W 356–17 4.0,3.4b **¶610689651**
ISC Event type ke.
IDC Error ellipse: s-maj=34.3km s-min=13.8km az=146.0.
ISC V 07 17 13 43.9–.77 15.7S–.20 173.0W–.20 10 3.9b,3.2s 16 2-147
IDC V 07 17 13 42.9–.87 15.95S 173.02W 0 4.7L,3.8 **¶610689741**
ISC Event type ke.
IDC Error ellipse: s-maj=38.0km s-min=18.5km az=138.0.
ISC V 09 06 25 05.3–.83 17.0S–.20 175.5W–.20 250 3.7b 9 5-86
IDC V 09 06 25 06.8–1.7 17.00S 175.33W 272–21 4.2,3.5b **¶610689880**
ISC Event type ke.
IDC Error ellipse: s-maj=30.5km s-min=18.4km az=129.0.
ISC V 09 15 25 36.1–.29 20.51S–.05 173.42W–.06 10 5.1b,5.0s 531 4-171
BJI V 09 15 25 34.8–.00 20.28S 173.30W 5 5.7b,5.3s **¶610619074**
IDC V 09 15 25 35.3–.52 20.53S 173.74W 0 4.8,4.8b
NEIC V 09 15 25 35.7–2.6 20.40S–.09 173.26W–.07 10–1 5.1b,4.8b
MOS V 09 15 25 39.6–2.3 20.35S 174.48W 10 5.1b,4.8b
ISC Event type se.
IDC Error ellipse: s-maj=18.5km s-min=13.9km az=143.0.
NEIC Event type se. Error ellipse: s-maj=15.9km s-min=11.8km az=178.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=12.8km s-min=11.2km az=19.5.
ISC V 09 16 08 10.6–.71 20.1S–.10 173.64W–.10 10 4.2b 30 4-145
NEIC V 09 16 08 09.8–.57 20.0S–.10 173.54W–.07 10–1 4.5b **¶610689903**
IDC V 09 16 08 10.3–1.1 20.69S 173.77W 0 4.1,4.1b

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=24.0km s-min=7.4km az=335.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=52.8km s-min=16.8km az=153.0.
IDC V 09 17 34 44.9–1.6 20.26S 173.78W 0 4.1L,3.6 ¶610689908
IDC Error ellipse: s-maj=64.8km s-min=32.8km az=143.0.
IDC V 10 05 19 02.4–3.0 19.11S 174.60W 0 3.6,3.6b ¶610689940
IDC Error ellipse: s-maj=246.8km s-min=26.8km az=155.0.
IDC V 10 20 04 04.2–48 16.96S 175.39W 0 3.9,3.9b ¶610689988
IDC Error ellipse: s-maj=907.7km s-min=182.2km az=79.0.
IDC V 10 21 58 57.1–55 19.57S 174.67W 0 3.7,3.7b ¶610689995
IDC Error ellipse: s-maj=1033.0km s-min=181.1km az=83.0.
ISC V 11 08 18 19.9–.43 18.41S–.07 174.63W–.08 100 4.5b 76 5-149
IDC V 11 08 18 16.6–2.5 18.33S 174.76W 65–22 4.2,3.9b **¶611401045**
NEIC V 11 08 18 20.1–1.4 18.3S–.10 174.6W–.10 94–8 4.5b,3.9b
NOU V 11 08 18 59.6 23.15S 170.28W 261 4.6b,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=26.5km s-min=11.9km az=127.0.
NEIC Event type se. Error ellipse: s-maj=15.9km s-min=14.8km az=88.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Tonga Islands Region.
IDC V 12 09 43 23.9–49 15.38S 175.63W 0 3.7,3.7b ¶610690122
IDC Error ellipse: s-maj=925.3km s-min=178.5km az=77.0.
ISC V 13 02 21 43.4–.53 21.3S–.10 173.9W–.10 25 4.6b 66 4-152
NEIC V 13 02 21 45.2–1.9 21.4S–.10 174.0W–.10 34–4 4.6b **¶610690163**
IDC V 13 02 21 48.6–4.7 21.16S 174.16W 60–40 4.7L,4.4
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.8km s-min=14.1km az=151.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=24.2km s-min=18.7km az=103.0.
IDC V 13 02 48 24.1–5.3 17.02S 174.29W 166–41 4.0,3.6b ¶610690165
IDC Error ellipse: s-maj=135.3km s-min=21.4km az=148.0.
IDC V 14 00 17 58.4–7.1 20.33S 175.84W 0 3.7,3.7b ¶610690225
IDC Error ellipse: s-maj=334.8km s-min=69.6km az=148.0.
ISC V 14 04 14 30.5–1.4 20.7S–.40 174.5W–.30 35 4.1b,3.4s 35 7-153
IDC V 14 04 14 24.5–1.4 20.71S 174.39W 0 4.5L,4.2 **¶610690247**
ISC Event type ke.
IDC Error ellipse: s-maj=58.4km s-min=20.7km az=142.0.
IDC V 14 07 58 42.4–5.5 16.13S 175.45W 0 3.9,3.9b ¶610690257
IDC Error ellipse: s-maj=178.7km s-min=106.1km az=149.0.
ISC V 14 08 56 50.2–.70 16.80S–.09 174.3W–.10 150 4.2b 26 4-145
NEIC V 14 08 56 51.0–1.1 16.85S–.08 174.3W–.20 148–14 4.3b **¶610690259**
IDC V 14 08 56 54.8–3.8 16.32S 173.35W 276–207 4.4,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=25.7km s-min=8.4km az=72.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=288.5km s-min=36.0km az=68.0.
ISC V 14 21 05 14.9–.39 16.75S–.06 173.42W–.07 66 4.7b 213 3-174
NOU V 14 21 05 04.3 16.22S 173.57W 0 4.9b **¶610690298**
BGR V 14 21 05 05.2 17.43S 173.60W 33 4.9b
IDC V 14 21 05 06.3–.58 16.78S 173.59W 0 4.6,4.6b
NEIC V 14 21 05 10.1–.82 16.78S–.09 173.6W–.10 22–5 4.9b,4.6b
ISC Event type ke.
NOU Tonga Islands.
BGR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 14 22 02 00.6–.98 19.4S–.30 175.8W–.20 219 3.7b 10 17-128
IDC V 14 22 02 11.7–9.2 19.60S 175.95W 329–93 4.2,3.5b **¶610690300**
ISC Event type ke.
IDC Error ellipse: s-maj=38.8km s-min=26.1km az=170.0.
ISC V 16 07 07 59.1–.55 21.99S–.07 175.95W–.07 58–4 4.7b,3.3s 134 6-171
IDC V 16 07 07 51.1–.51 21.93S 176.13W 0 4.4b,4.4L **¶610641365**
NEIC V 16 07 07 59.6–1.5 22.0S–.10 176.0W–.10 55–8 4.9b,4.4L
NOU V 16 07 08 05.5 21.99S 175.40W 159 4.7b,4.4L
ISC Event type se.
IDC Error ellipse: s-maj=20.8km s-min=15.5km az=106.0.
NEIC Event type se. Error ellipse: s-maj=20.7km s-min=13.5km az=146.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Tonga Islands.
IDC V 17 01 49 43.3–47 16.38S 173.79W 0 4.2,4.2b ¶610690458
IDC Error ellipse: s-maj=901.3km s-min=175.1km az=79.0.
ISC V 17 17 58 28.0–1.2 15.2S–.10 173.6W–.10 30 4.2b,3.8s 10 2-146
NEIC V 17 17 58 32.4–2.1 15.1S–.10 173.81W–.07 64–21 4.4b,3.8s **¶611150830**
IDC V 17 17 58 35.8–4.9 14.86S 176.04W 0 3.9,3.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.3km s-min=6.3km az=203.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=388.5km s-min=32.9km az=151.0.
IDC V 17 21 03 40.2–53 19.04S 173.85W 0 3.8,3.8b ¶610690525
IDC Error ellipse: s-maj=1015.0km s-min=178.9km az=82.0.
IDC V 18 03 31 03.0–2.2 15.93S 175.91W 0 4.0,4.0b ¶610690542
IDC Error ellipse: s-maj=181.3km s-min=30.7km az=156.0.
IDC V 18 07 46 38.1–10 15.61S 175.45W 0 3.9,3.9b ¶610690561
IDC Error ellipse: s-maj=438.3km s-min=68.0km az=139.0.
IDC V 18 08 04 20.6–10 15.84S 175.79W 0 3.8,3.8b ¶610690565
IDC Error ellipse: s-maj=446.4km s-min=65.2km az=140.0.
IDC V 18 08 07 17.9–4.1 17.16S 175.38W 0 4.5s,3.8 ¶610690569
IDC Error ellipse: s-maj=518.1km s-min=35.4km az=158.0.
ISC V 18 08 28 28.5–.90 15.7S–.20 176.0W–.30 26 4.0b,3.7s 9 16-145
IDC V 18 08 28 24.7–.91 15.64S 175.91W 0 3.9,3.9b **¶610690570**
ISC Event type ke.
IDC Error ellipse: s-maj=50.4km s-min=20.8km az=142.0.
ISC V 18 20 58 14.4–.68 15.3S–.20 173.5W–.20 42 4.0b,3.7s 67 2-149
IDC V 18 20 58 08.3–.70 15.28S 173.39W 0 4.2,4.2b **¶610690621**
ISC Event type ke.
IDC Error ellipse: s-maj=42.4km s-min=16.5km az=140.0.
ISC V 19 00 27 33.1–.92 19.8S–.10 174.0W–.10 10 4.4b,3.5s 21 4-144
IDC V 19 00 27 32.9–5.6 19.79S 174.14W 0 4.1L,4.0 **¶610690631**
NEIC V 19 00 27 34.8–1.7 19.8S–.10 174.0W–.10 14–7 4.5b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 19 05 10 07.4–.86 16.0S–.30 174.9W–.20 278 3.7b 19 4-176
IDC V 19 05 10 08.2–1.6 16.00S 174.92W 287–15 4.2,3.6b **¶610690645**
ISC Event type ke.
IDC Error ellipse: s-maj=42.7km s-min=10.9km az=151.0.
ISC V 19 17 38 14.1–.99 15.4S–.40 175.6W–.20 10 4.5b 24 4-145
IDC V 19 17 38 13.4–1.5 15.18S 175.92W 0 4.1s,4.0 **¶610690692**
NEIC V 19 17 38 14.0–.93 15.3S–.30 175.61W–.10 10–1 4.6b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 19 17 57 28.6–.52 15.64S–.05 173.11W–.06 71–4 4.6b 372 2-174
BGR V 19 17 57 19.7 17.33S 173.79W 33 4.6b **¶616639952**
NEIC V 19 17 57 29.0–2.1 15.62S–.06 173.06W–.09 65–6 4.7b
IDC V 19 17 57 29.6–.63 15.58S 173.52W 83–5 4.5,4.1b
ISC Event type ke.
BGR Event type ke.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=8.7km az=99.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=25.6km s-min=11.8km az=134.0.
IDC V 20 08 07 14.5–49 15.61S 173.19W 0 3.7,3.7b ¶610685017
IDC Error ellipse: s-maj=951.1km s-min=189.4km az=79.0.
ISC V 20 16 14 14.2–.68 16.82S–.10 174.19W–.10 100 4.4b 24 4-84
NEIC V 20 16 14 14.3–1.9 16.86S–.07 174.2W–.20 95–14 4.4b **¶610685038**
IDC V 20 16 14 15.2–5.8 16.20S 174.62W 85–43 4.0,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=23.6km s-min=8.2km az=73.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=206.6km s-min=24.5km az=150.0.
ISC V 20 22 54 42.0–.42 17.94S–.07 174.91W–.06 228 4.4b 117 4-157
IDC V 20 22 54 40.4–2.1 18.04S 175.00W 210–20 4.4,3.8b **¶610646004**
NEIC V 20 22 54 41.9–1.3 17.88S–.10 174.95W–.09 222–6 4.4b,3.8b
NOU V 20 22 54 42.9 17.81S 174.71W 257 4.6b,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=22.6km s-min=11.5km az=130.0.
NEIC Event type se. Error ellipse: s-maj=15.0km s-min=10.3km az=146.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Tonga Islands.
IDC V 21 00 37 02.4–2.0 15.22S 175.84W 0 3.9,3.9b ¶610685056
IDC Error ellipse: s-maj=199.9km s-min=26.4km az=158.0.
ISC V 21 01 25 09.7–4.2 18.4S–.70 174.5W–.70 300 6 5-148
IDC V 21 01 25 13.9–4.1 17.30S 175.48W 290–25 3.9,3.0b **¶610685058**
ISC Event type ke.
IDC Error ellipse: s-maj=156.9km s-min=19.0km az=150.0.
ISC V 21 07 20 24.9–1.7 15.8S–.90 175.5W–.40 35 3.6s,3.6b 9 4-145
IDC V 21 07 20 19.9–1.9 15.78S 175.60W 0 4.0L,3.7 **¶610685072**
ISC Event type ke.
IDC Error ellipse: s-maj=165.2km s-min=21.6km az=155.0.
ISC V 21 10 51 15.2–.56 15.62S–.07 173.72W–.09 50 4.2b 34 3-175
IDC V 21 10 51 17.3–2.8 15.58S 173.75W 69–25 4.1,3.7b **¶610685079**
NEIC V 21 10 51 17.6–1.6 15.62S–.08 173.7W–.10 69–10 4.6b,3.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC V 21 13 07 58.9–2.7 15.64S 175.67W 0 3.7,3.7b ¶610685087
IDC Error ellipse: s-maj=235.3km s-min=23.4km az=154.0.
IDC V 21 19 25 39.1–2.2 16.94S 174.59W 310–31 3.8,3.1b ¶610685095
IDC Error ellipse: s-maj=49.6km s-min=30.3km az=122.0.
IDC V 22 00 40 16.6–7.7 18.45S 174.88W 0 3.6,3.6b ¶610685113
IDC Error ellipse: s-maj=331.9km s-min=38.7km az=142.0.
ISC V 22 04 35 31.1–1.3 15.2S–.50 175.7W–.20 35 3.8b,3.7s 18 4-148
IDC V 22 04 35 26.8–1.3 14.73S 176.01W 0 4.4L,4.0 **¶610685126**
ISC Event type ke.
IDC Error ellipse: s-maj=89.3km s-min=20.4km az=156.0.
ISC V 22 06 28 04.0–1.9 16.3S–.70 175.2W–.40 10 3.7b,3.4s 8 4-91
IDC V 22 06 28 01.7–2.2 16.62S 175.21W 0 4.2L,3.7 **¶610685138**
ISC Event type ke.
IDC Error ellipse: s-maj=146.2km s-min=22.3km az=151.0.
IDC V 22 10 01 46.2–3.6 16.27S 174.62W 71–41 4.2L,3.8 ¶610685155
IDC Error ellipse: s-maj=172.4km s-min=23.4km az=142.0.
ISC V 22 13 03 50.2–.70 15.3S–.10 175.76W–.09 10 3.9b 18 4-145
IDC V 22 13 03 49.7–1.5 15.20S 175.87W 0 3.8,3.8b **¶610685162**
NEIC V 22 13 03 50.5–1.9 15.2S–.10 175.8W–.10 10–1 4.2b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 22 16 41 05.9–.24 17.17S–.05 173.45W–.04 10 5.3b,4.3s 1114 4-174
BJI V 22 16 41 04.5–.00 16.93S 173.33W 7 5.3b,5.1b **¶610646377**
IDC V 22 16 41 04.5–.38 17.17S 173.57W 0 4.9,4.9b
MOS V 22 16 41 05.1–1.2 17.09S 173.61W 10 5.3b,4.9b
NEIC V 22 16 41 06.7–1.3 17.13S–.07 173.53W–.09 10–1 5.3b,4.9b
BGR V 22 16 41 12.4 16.90S 173.10W 76 5.3b,4.9b
NOU V 22 16 41 12.3 17.11S 173.03W 90 5.2b,4.9b
GCMT V 22 16 41 13.7–.20 17.12S–.02 173.16W–.01 52–1 5.1W,4.9b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BGR Event type ke.
NOU Tonga Islands.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s92,c118; s94,c130;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}4.93±.16 $M_{\theta\theta}$-2.61±.15; $M_{\phi\phi}$-2.32±.15; $M_{r\theta}$0.14±.13; $M_{\theta\phi}$2.74±.08; $M_{\phi r}$-1.91±.09; Best double couple: NP1:ϕ_s147.00000°,δ54.00000°,λ107.00000°. NP2:ϕ_s300.00000°,δ39.00000°,λ68.00000°. Principal axes: T 5.4410,Plg74.0000° ,Azm106.0000°; N -0.0340,Plg14.0000°,Azm317.0000°; P -5.4070,Plg8.0000° ,Azm225.0000° $M_0$5.42400×10^{16}
IDC V 23 01 20 34.8–7.2 16.81S 174.93W 0 4.4L,4.0 ¶610685189
IDC Error ellipse: s-maj=388.8km s-min=29.2km az=146.0.
IDC V 23 08 46 54.7–2.3 15.64S 175.69W 0 4.6L,3.8 ¶610685206
IDC Error ellipse: s-maj=213.4km s-min=21.3km az=155.0.
ISC V 23 11 37 06.1–.57 16.4S–.10 173.9W–.20 100 4.5b 43 3-86
NEIC V 23 11 37 04.1–1.2 16.6S–.10 173.9W–.20 73–8 4.5b **¶610685215**
IDC V 23 11 37 04.6–3.0 16.51S 173.90W 82–27 4.1,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=30.3km s-min=2.8km az=127.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=33.8km s-min=16.4km az=133.0.
IDC V 25 06 45 38.4–45 15.72S 174.21W 0 4.2,4.2b ¶610685341
IDC Error ellipse: s-maj=862.2km s-min=176.4km az=78.0.
ISC V 25 21 09 59.8–.48 15.17S–.06 173.24W–.07 45–4 4.7b,4.1s 191 2-175
IDC V 25 21 09 53.8–.52 15.21S 173.63W 0 5.6L,4.4 **¶610654529**
NEIC V 25 21 09 53.9–1.4 15.13S–.05 173.23W–.08 10–1 4.9b,4.4
GCMT V 25 21 10 05.9–.30 15.16S–.02 173.27W–.02 12 5.2W,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s34,c41; s104,c128;Duration: 1ş0
Moment tensor: Scale 10^{16}Nm; M_{rr}0.06±.10 $M_{\theta\theta}$0.08±.11; $M_{\phi\phi}$-0.13±.08; $M_{r\theta}$-8.57±.21; $M_{\theta\phi}$-0.20±.08; $M_{\phi r}$2.96±.19; Best double couple: NP1:ϕ_s109.00000°,δ90.00000°,λ-91.00000°. NP2:ϕ_s0.00000°,δ1.00000°,λ-19.00000°. Principal axes: T 9.1880,Plg45.0000° ,Azm200.0000°; N -0.2400,Plg1.0000°,Azm109.0000°; P -8.9470,Plg45.0000°,Azm18.0000° $M_0$9.06700×10^{16}
ISC V 26 05 22 32.9–.49 15.21S–.07 173.16W–.08 10 4.4b,3.6s 43 2-154
IDC V 26 05 22 31.8–.70 15.28S 173.48W 0 4.0,4.0b **¶610685408**
NEIC V 26 05 22 33.6–2.8 15.22S–.06 173.12W–.06 12–4 4.6b,4.0b
ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC V 27 02 50 02.6–5.0 19.20S 175.40W 0 4.3,4.3b
¶610685468
IDC Error ellipse: s-maj=173.7km s-min=100.2km az=159.0.
ISC V 30 01 01 08.7–.43 15.23S–.09 174.24W–.08 100 4.3b 127 3-176
IDC V 30 01 01 11.2–2.2 15.28S 174.16W 120–20 4.3,3.9b ¶610685679
NEIC V 30 01 01 11.2–.93 15.23S–.07 174.2W–.10 118–7 4.3b,3.9b
INMG V 30 01 01 14.5 15.76S 166.32W 47 4.3b,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=30.3km s-min=13.3km az=143.0.
NEIC Event type se. Error ellipse: s-maj=18.9km s-min=8.8km az=111.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC V 30 03 06 41.1–1.2 15.45S 173.35W 0 4.1L,4.0
¶610685685
IDC Error ellipse: s-maj=89.4km s-min=24.2km az=143.0.
IDC V 31 21 56 59.3–50 16.45S 175.55W 0 4.0,4.0b
¶610685824
IDC Error ellipse: s-maj=944.6km s-min=180.8km az=78.0.
ISC VI 01 22 44 24.6–.83 19.7S–.20 173.4W–.10 25 4.7b 28 3-71
IDC VI 01 22 44 21.6–25 19.30S 173.50W 0 4.4,4.4b ¶610791071
NEIC VI 01 22 44 23.4–1.8 19.72S–.08 173.39W–.08 10–1 4.8b,4.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 02 20 33 12.3–.46 21.37S–.07 175.52W–.07 10 4.5b,3.5s 40 6-171
IDC VI 02 20 33 11.8–.70 21.65S 175.41W 0 4.2,4.1L ¶610791120
NEIC VI 02 20 33 13.4–2.1 21.3S–.10 175.5W–.20 10–1 4.6b,4.1L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 02 22 18 26.4–.87 15.19S–.07 173.1W–.10 29 3.9b 13 2-80
IDC VI 02 22 18 22.0–3.6 14.98S 173.53W 0 4.2L,3.8 ¶610791127
NEIC VI 02 22 18 28.2–.40 15.19S–.07 173.0W–.10 36–10 4.2b,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VI 03 07 02 08.6–7.9 17.62S 174.31W 0 3.6,3.6b
¶610791158
IDC Error ellipse: s-maj=344.7km s-min=39.3km az=141.0.
IDC VI 03 08 51 45.0–26 16.55S 173.13W 0 4.3,4.3b
¶610791164
IDC Error ellipse: s-maj=486.7km s-min=153.6km az=73.0.
ISC VI 03 23 40 08.0–1.3 20.6S–.30 174.0W–.10 27 3.9b 9 7-145
IDC VI 03 23 40 03.3–1.4 20.80S 173.85W 0 5.0L,3.8 ¶610791196
ISC Event type ke.
IDC Error ellipse: s-maj=65.7km s-min=22.7km az=161.0.
IDC VI 04 03 21 23.3–9.7 15.70S 173.17W 0 4.0,3.9b
¶610791208
IDC Error ellipse: s-maj=457.5km s-min=27.1km az=139.0.
ISC VI 07 23 50 20.1–.65 15.3S–.10 173.6W–.10 10 4.2b 20 5-146
IDC VI 07 23 50 18.7–.82 15.16S 173.61W 0 4.0,4.0b ¶610791429
NEIC VI 07 23 50 20.3–.51 15.3S–.10 173.6W–.10 10–1 4.4b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VI 09 05 04 12.7–4.8 15.72S 174.70W 0 3.8,3.8b
¶610791501
IDC Error ellipse: s-maj=211.6km s-min=33.2km az=136.0.
ISC VI 10 02 17 20.5–.40 18.82S–.09 173.09W–.08 50 4.6b,4.5s 217 3-172
IDC VI 10 02 17 12.2–.52 18.72S 173.13W 0 4.4s,4.4 ¶610669144
GCMT VI 10 02 17 18.5–.20 18.66S–.02 172.55W–.01 12 5.1W,4.4
NEIC VI 10 02 17 22.5–1.6 18.59S–.03 173.1W–.10 64–5 4.6b,4.4
ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s57,c71; s129,c195;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}4.68±.10 $M_{\theta\theta}$0.01±.11; $M_{\phi\phi}$-4.69±.08; $M_{r\theta}$-0.38±.34; $M_{\theta\phi}$-1.36±.09; $M_{\phi r}$1.63±.27; Best double couple: NP1:ϕ_s6.00000°,δ54.00000°,λ79.00000°. NP2:ϕ_s205.00000°,δ37.00000°,λ105.00000°. Principal axes: T 5.0300,Plg77.0000° ,Azm236.0000°; N 0.2470,Plg9.0000°,Azm12.0000°; P -5.2760,Plg9.0000°,Azm104.0000° $M_0$5.15300×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 10 06 14 18.2–.43 16.84S–.09 173.26W–.08 35 4.4b 78 4-174
NEIC VI 10 06 14 17.1–1.8 16.9S–.10 173.3W–.10 23–4 4.5b ¶610791577
IDC VI 10 06 14 26.6–4.6 16.78S 173.65W 96–40 4.3,4.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.1km s-min=14.1km az=46.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=24.3km s-min=17.1km az=127.0.
IDC VI 10 07 59 52.7–11 17.09S 175.74W 537–41 4.2,3.3b
¶610791583
IDC Error ellipse: s-maj=247.5km s-min=32.4km az=126.0.
ISC VI 10 14 59 18.3–.55 15.0S–.10 174.2W–.10 73 4.5b 40 6-154
IDC VI 10 14 59 16.3–12 15.01S 174.15W 56–107 4.1,3.8b ¶610791598
NEIC VI 10 14 59 19.9–.87 15.0S–.10 174.1W–.10 84–9 4.6b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 12 06 56 06.9–.59 18.3S–.10 174.61W–.06 10 4.7b 71 5-149
NEIC VI 12 06 56 05.8–1.8 18.0S–.10 174.43W–.08 10–2 4.7b ¶610791704
IDC VI 12 06 56 33.0–3.7 18.46S 175.04W 231–33 4.2,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=25.5km s-min=10.6km az=20.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=25.7km s-min=17.6km az=115.0.
IDC VI 13 11 20 28.0–28 21.86S 173.04W 0 4.0,4.0b
¶610791775
IDC Error ellipse: s-maj=520.9km s-min=160.8km az=76.0.
ISC VI 14 11 29 27.6–.72 16.95S–.09 175.01W–.08 256 4.0b 20 4-146
IDC VI 14 11 29 27.9–1.7 16.58S 175.23W 256–27 4.0,3.4b ¶610791861
NEIC VI 14 11 29 27.4–1.0 17.1S–.10 175.2W–.20 230–24 4.3b,3.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VI 15 03 51 17.8–30 21.96S 173.05W 0 3.8,3.8b
¶610791906
IDC Error ellipse: s-maj=562.6km s-min=170.0km az=78.0.
IDC VI 15 07 32 26.4–11 15.98S 175.76W 0 3.5,3.5b
¶610791925
IDC Error ellipse: s-maj=502.3km s-min=37.5km az=140.0.
IDC VI 17 05 23 13.5–10 18.71S 173.43W 0 3.8,3.8b
¶610792045
IDC Error ellipse: s-maj=323.8km s-min=40.3km az=130.0.
ISC VI 17 13 34 43.6–1.4 20.9S–.30 174.9W–.20 150 3.4b 8 7-145
IDC VI 17 13 34 45.5–7.4 20.76S 175.01W 163–55 3.8,3.6s ¶610792059
ISC Event type ke.
IDC Error ellipse: s-maj=77.5km s-min=25.2km az=143.0.
ISC VI 19 04 47 45.3–.74 17.7S–.10 174.7W–.10 200 4.1b 29 5-151
IDC VI 19 04 47 42.6–2.4 17.38S 174.62W 192–22 4.3,3.8b ¶610792165
NEIC VI 19 04 47 48.7–1.7 17.4S–.10 174.7W–.10 240–8 4.2b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 19 07 13 10.2–.65 15.14S–.06 173.54W–.07 24–4 4.8b,4.0s 525 2-154
IDC VI 19 07 13 07.1–.53 15.20S 173.57W 0 5.6L,4.5 ¶610681636
NEIC VI 19 07 13 08.4–1.6 15.09S–.08 173.5W–.10 10–1 4.9b,4.5
GCMT VI 19 07 13 15.4–.30 14.98S–.02 173.79W–.02 12 5.2W,4.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s18,c20; s94,c113;Duration: 1.0
Moment tensor: Scale 10^{16}Nm; M_{rr}-1.11±.10 $M_{\theta\theta}$1.65±.14; $M_{\phi\phi}$-0.53±.10; $M_{r\theta}$-7.46±.32; $M_{\theta\phi}$1.65±.08; $M_{\phi r}$-0.45±.28; Best double couple: NP1:ϕ_s87.00000°,δ85.00000°,λ-79.00000°. NP2:ϕ_s203.00000°,δ13.00000°,λ-154.00000°. Principal axes: T 8.1360,Plg39.0000° ,Azm167.0000°; N -0.7410,Plg11.0000°,Azm266.0000°; P -7.3920,Plg49.0000°,Azm9.0000° $M_0$7.76400×10^{16}
ISC VI 19 08 52 53.0–.42 18.23S–.08 175.38W–.08 254 4.4b 207 5-174
IDC VI 19 08 52 47.1–2.1 18.25S 175.26W 200–19 4.4,3.9b ¶610792178
NEIC VI 19 08 52 48.9–1.3 18.06S–.10 175.33W–.09 211–6 4.4b,3.9b
NOU VI 19 08 52 51.4 17.88S 174.95W 276 4.3b,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=17.7km s-min=10.4km az=125.0.
NEIC Event type se. Error ellipse: s-maj=14.7km s-min=12.1km az=162.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Tonga Islands.
ISC VI 19 13 51 52.6–.61 15.3S–.10 173.4W–.10 10 4.5b,3.6s 52 2-154
IDC VI 19 13 51 50.1–1.7 15.27S 173.60W 0 4.1,4.1b ¶610681821
NEIC VI 19 13 51 54.6–1.1 15.3S–.10 173.4W–.20 26–7 4.5b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VI 19 21 20 46.7–4.7 18.59S 174.09W 186–53 4.4,4.0b
¶610792214
IDC Error ellipse: s-maj=92.8km s-min=19.6km az=171.0.
ISC VI 20 11 17 01.4–.71 21.0S–.10 174.1W–.10 26 4.6b,3.1s 45 4-171
IDC VI 20 11 16 57.6–.90 20.96S 174.11W 0 4.3b,4.2 ¶610789158
NEIC VI 20 11 16 58.0–1.2 21.0S–.10 173.76W–.08 10–1 4.7b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VI 21 21 29 50.1–49 15.93S 173.94W 0 3.9,3.9b
¶610789232
IDC Error ellipse: s-maj=935.0km s-min=194.9km az=79.0.
ISC VI 22 17 14 37.1–.35 17.02S–.05 173.82W–.05 131–3 4.9b 550 4-174
BJI VI 22 17 14 33.1–.00 17.04S 173.08W 128 5.0b,4.9b ¶616640037
NOU VI 22 17 14 33.0 16.96S 174.21W 70 5.2b,4.9b
IDC VI 22 17 14 37.0–.58 17.08S 174.08W 121–5 4.8,4.4b
NEIC VI 22 17 14 36.9–2.4 16.92S–.08 173.60W–.09 138–6 4.9b,4.4b
BGR VI 22 17 14 42.6 16.29S 173.85W 139–8 4.9b,4.4b
ISC Event type ke.
NOU Tonga Islands.
IDC Error ellipse: s-maj=14.2km s-min=10.0km az=139.0.
NEIC Event type se. Error ellipse: s-maj=12.9km s-min=11.2km az=91.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BGR Event type ke.
IDC VI 23 01 25 25.4–3.9 16.23S 175.08W 0 4.0,4.0b
¶610789305
IDC Error ellipse: s-maj=188.4km s-min=60.5km az=146.0.
ISC VI 23 02 12 38.9–1.7 17.6S–.30 174.7W–.30 250 3.6b 10 5-147
IDC VI 23 02 12 41.5–2.2 16.96S 175.02W 272–16 4.1,3.5b ¶610789307
ISC Event type ke.
IDC Error ellipse: s-maj=86.2km s-min=15.9km az=146.0.
ISC VI 23 17 00 24.6–.56 19.90S–.09 175.55W–.07 204 4.7b 98 5-150
NEIC VI 23 17 00 21.6–1.1 20.1S–.20 175.8W–.10 153–13 4.7b ¶610789349
IDC VI 23 17 00 23.8–2.5 20.22S 175.49W 195–21 4.6,4.2b
NOU VI 23 17 00 28.0 19.91S 175.49W 236 4.5b,4.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=24.9km s-min=17.0km az=194.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=29.0km s-min=20.5km az=130.0.
NOU Tonga Islands.
ISC VI 24 21 36 24.0–.58 16.5S–.10 175.9W–.10 364 3.9b 42 3-145
IDC VI 24 21 36 22.8–1.9 16.57S 176.06W 346–21 4.1,3.4b ¶610789405
NEIC VI 24 21 36 24.1–1.2 16.4S–.10 175.94W–.09 361–9 4.1b,3.4b
NOU VI 24 21 36 25.1 16.29S 175.89W 375 4.5,3.4b
ISC Event type se.
IDC Error ellipse: s-maj=31.5km s-min=12.1km az=143.0.
NEIC Event type se. Error ellipse: s-maj=16.2km s-min=12.3km az=176.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Tonga Islands.
IDC VI 26 08 54 33.5–7.0 21.11S 173.28W 0 3.6,3.6b
¶610789497
IDC Error ellipse: s-maj=289.9km s-min=42.2km az=145.0.
IDC VI 26 14 16 38.6–9.4 15.75S 175.83W 328–284 4.4,3.7b
¶610789512
IDC Error ellipse: s-maj=299.9km s-min=127.3km az=91.0.
IDC VI 26 20 48 54.9–7.2 16.01S 173.52W 63–49 3.7,3.7L
¶610789528
IDC Error ellipse: s-maj=285.9km s-min=41.4km az=142.0.
ISC VI 27 02 40 07.7–.95 16.8S–.20 175.3W–.20 350 3.8b 11 4-146
IDC VI 27 02 40 08.1–1.6 16.78S 175.51W 340–17 4.1,3.4b ¶610789534
ISC Event type ke.
IDC Error ellipse: s-maj=33.6km s-min=16.2km az=136.0.
IDC VI 27 05 10 16.9–3.5 17.67S 175.22W 219–29 4.2,3.6b
¶610789544
IDC Error ellipse: s-maj=126.9km s-min=22.2km az=141.0.
ISC VI 27 21 38 15.5–.60 20.61S–.08 173.56W–.09 10 4.3b,3.5s 31 4-151
IDC VI 27 21 38 15.7–1.9 21.01S 174.03W 0 4.1,4.1b ¶610789599
NEIC VI 27 21 38 15.1–2.4 20.6S–.10 173.6W–.10 10–1 4.6b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 28 07 41 56.6–.99 21.7S–.10 176.0W–.10 154 3.5b 11 7-149
IDC VI 28 07 41 59.4–4.3 21.42S 176.21W 176–37 3.8,3.4s ¶610789623
ISC Event type ke.
IDC Error ellipse: s-maj=41.1km s-min=22.0km az=145.0.
ISC VI 28 11 29 25.8–.61 20.41S–.08 174.00W–.09 27 4.1b,3.7s 34 4-145
IDC VI 28 11 29 23.8–.88 20.58S 174.24W 0 4.0,4.0b ¶610789640
NEIC VI 28 11 29 25.3–.54 20.4S–.10 173.91W–.09 35–8 4.2b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 29 00 32 57.5–1.3 21.0S–.20 174.6W–.20 27 3.9b 11 8-151
IDC VI 29 00 32 52.9–1.6 21.18S 174.51W 0 3.9,3.9b ¶610789680
ISC Event type ke.
IDC Error ellipse: s-maj=64.9km s-min=24.1km az=150.0.
ISC VI 30 02 22 18.6–.87 18.27S–.10 173.7W–.10 100 4.5b 10 5-148
IDC VI 30 02 22 21.0–3.1 18.00S 174.34W 104–41 4.4,4.1b ¶610789748
ISC Event type ke.
IDC Error ellipse: s-maj=51.6km s-min=28.1km az=113.0.
ISC VI 30 12 51 26.8–.32 21.41S–.06 173.92W–.06 10 4.9b,4.2s 390 4-171
IDC VI 30 12 51 26.7–.51 21.26S 174.43W 0 4.6,4.6b ¶610728746
NEIC VI 30 12 51 28.1–2.6 21.25S–.03 173.71W–.08 10–1 4.9b,4.6b
GCMT VI 30 12 51 32.1–.50 21.52S–.04 173.82W–.03 24–1 4.9W,4.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s22,c25; s61,c77;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}2.60±.21 $M_{\theta\theta}$-0.95±.13; $M_{\phi\phi}$-1.65±.13; $M_{r\theta}$1.11±.21; $M_{\theta\phi}$-0.76±.06; $M_{\phi r}$0.61±.15; Best double couple: NP1:ϕ_s44.00000°,δ59.00000°,λ100.00000°. NP2:ϕ_s205.00000°,δ33.00000°,λ74.00000°. Principal axes: T 2.9510,Plg74.0000° ,Azm342.0000°; N -0.5580,Plg9.0000°,Azm219.0000°; P -2.3950,Plg13.0000° ,Azm127.0000° $M_0$2.67300×10^{16}

IDC VI 30 15 26 45.2–2.8 16.07S 173.16W 0 3.6b,3.5 ¶610789798
IDC Error ellipse: s-maj=100.9km s-min=24.7km az=135.0.
IDC VI 30 19 30 53.6–2.9 21.87S 175.08W 0 3.7,3.7b ¶610789808
IDC Error ellipse: s-maj=197.3km s-min=28.8km az=158.0.

(174) Tonga Islands region.

ISC I 01 03 46 34.8–.71 17.9S–.10 172.11W–.08 35 4.0b,3.4s 21 2-151
NEIC I 01 03 46 35.3–1.3 18.0S–.10 172.1W–.10 38–9 4.1b,3.4s ¶610057013
IDC I 01 03 46 36.2–.96 17.87S 172.94W 0 4.0,4.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.0km s-min=14.1km az=169.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=48.6km s-min=18.1km az=147.0.
IDC I 09 02 04 26.7–27 22.32S 173.34W 0 4.4,4.4b ¶610236987
IDC Error ellipse: s-maj=493.3km s-min=151.3km az=76.0.
ISC I 13 07 28 08.1–.56 17.89S–.07 171.96W–.08 10 4.2b,3.4s 30 2-149
NEIC I 13 07 28 08.6–2.6 17.81S–.10 171.79W–.09 23–6 4.4b,3.4s ¶610101633
IDC I 13 07 28 08.2–1.6 17.78S 172.44W 0 4.0,4.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.0km s-min=9.6km az=219.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=73.0km s-min=18.9km az=142.0.
ISC I 14 10 20 23.5–2.1 22.2S–.30 175.9W–.30 10 3.8b 7 9-93
IDC I 14 10 20 20.3–2.9 22.70S 175.68W 0 4.4L,3.8 ¶610237351
ISC Event type ke.
IDC Error ellipse: s-maj=111.8km s-min=27.6km az=147.0.
ISC I 14 14 33 45.5–.64 17.53S–.07 172.63W–.09 21 4.3b 24 3-148
IDC I 14 14 33 45.1–1.3 17.30S 173.04W 0 3.9,3.9b ¶610237360
NEIC I 14 14 33 47.7–1.6 17.5S–.10 172.4W–.20 46–12 4.4b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC I 14 19 35 25.9–6.8 23.16S 172.67W 0 3.5,3.5b ¶610237381
IDC Error ellipse: s-maj=441.2km s-min=36.0km az=154.0.
IDC I 21 10 18 25.9–2.6 18.77S 171.93W 0 4.9L,3.9 ¶610234993
IDC Error ellipse: s-maj=72.8km s-min=32.0km az=136.0.
ISC I 27 20 43 45.7–1.2 18.18S–.05 172.41W–.05 12–7 4.8b,4.1s 105 3-172
IDC I 27 20 43 44.9–.59 18.16S 172.66W 0 4.2,4.2b ¶610145095
NEIC I 27 20 43 46.0–2.3 18.22S–.09 172.49W–.10 10–1 4.9b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 04 18 52 34.0–.75 23.6S–.10 175.02W–.08 10 4.5b,3.4s 20 7-152
NEIC II 04 18 52 34.0–1.6 23.4S–.10 175.30W–.05 10–1 4.7b,3.4s ¶610315678
IDC II 04 18 52 33.5–1.6 24.11S 175.37W 0 4.7L,4.3
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.6km s-min=7.4km az=169.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=54.2km s-min=29.5km az=161.0.
ISC II 07 20 16 08.7–.52 22.72S–.07 174.34W–.08 10 4.6b,3.8s 41 5-151
NEIC II 07 20 16 08.3–2.4 22.58S–.10 174.4W–.10 10–1 4.9b,3.8s ¶610415067
IDC II 07 20 16 19.8–3.2 22.75S 175.06W 80–28 4.3,4.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=23.1km s-min=11.3km az=125.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=27.0km s-min=19.3km az=134.0.
ISC II 08 03 28 33.3–1.0 22.6S–.20 175.0W–.10 10 4.2b,3.8s 15 8-150
IDC II 08 03 28 31.5–1.2 22.82S 175.00W 0 5.2L,4.2 ¶610415084
ISC Event type ke.
IDC Error ellipse: s-maj=46.9km s-min=21.1km az=153.0.
IDC II 09 02 52 57.9–27 22.19S 173.46W 0 4.3,4.3b ¶610415153
IDC Error ellipse: s-maj=504.7km s-min=158.4km az=76.0.
IDC II 10 18 57 51.1–54 22.06S 174.89W 0 3.8,3.8b ¶610415255
IDC Error ellipse: s-maj=1019.0km s-min=176.8km az=86.0.
ISC II 18 22 18 17.0–.58 23.95S–.08 175.6W–.10 28 4.4b 47 7-169
NEIC II 18 22 18 11.7–1.2 23.5S–.10 175.25W–.06 10–1 4.6b ¶610415782
IDC II 18 22 18 12.6–.73 23.76S 175.64W 0 4.3b,4.2
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.3km s-min=7.1km az=163.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=30.9km s-min=17.6km az=148.0.
IDC II 19 22 28 48.2–52 22.53S 171.47W 0 3.8,3.8b ¶610415844
IDC Error ellipse: s-maj=1000.0km s-min=202.5km az=88.0.
IDC II 26 20 29 07.2–69 22.29S 174.39W 0 3.7,3.7b ¶610385084
IDC Error ellipse: s-maj=1308.0km s-min=198.4km az=87.0.
ISC II 27 14 51 54.0–.66 17.22S–.06 172.1W–.10 10 4.5b 24 3-148
NEIC II 27 14 51 56.0–1.2 17.18S–.08 171.99W–.08 22–5 4.6b ¶610385133
IDC II 27 14 51 55.7–1.6 17.09S 172.60W 0 4.3,4.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.8km s-min=6.8km az=46.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=54.3km s-min=22.6km az=114.0.
ISC III 01 07 17 25.0–.92 22.8S–.10 174.3W–.10 10 4.0b 9 9-147
IDC III 01 07 17 25.6–1.7 22.74S 174.38W 0 4.2,3.9b ¶610545302
ISC Event type ke.
IDC Error ellipse: s-maj=63.3km s-min=27.9km az=149.0.
ISC III 04 20 17 01.3–1.1 17.0S–.10 172.4W–.30 17 4.3b 14 3-148
NEIC III 04 20 16 59.3–1.5 17.11S–.09 172.3W–.20 10–2 4.3b ¶610545545
IDC III 04 20 17 06.3–5.1 16.58S 173.59W 0 3.9b,3.8
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=27.1km s-min=12.2km az=69.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=219.8km s-min=24.6km az=137.0.
IDC III 04 23 04 10.3–25 22.59S 172.63W 0 4.3,4.3b ¶610545556
IDC Error ellipse: s-maj=473.6km s-min=151.3km az=76.0.
IDC III 13 20 16 40.4–49 22.81S 173.55W 0 3.9,3.9b ¶610546161
IDC Error ellipse: s-maj=928.7km s-min=180.5km az=87.0.
ISC III 14 11 52 19.3–.38 17.82S–.09 172.35W–.07 21 4.8b,3.6s 162 3-173
IDC III 14 11 52 16.8–.65 17.60S 172.66W 0 6.2L,4.5 ¶610328602
NEIC III 14 11 52 18.5–2.6 17.8S–.10 172.25W–.08 10–1 4.8b,4.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 14 15 19 07.6–1.1 23.9S–.20 175.6W–.10 35 4.1b 18 7-147
NEIC III 14 15 19 06.0–1.4 24.0S–.20 175.6W–.10 20–5 4.2b ¶610546207
IDC III 14 15 19 28.8–15 22.93S 176.90W 171–103 4.0,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=29.4km s-min=15.1km az=170.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=165.2km s-min=27.0km az=134.0.
IDC III 17 08 51 07.9–60 23.52S 175.40W 0 3.9,3.9b ¶610546374
IDC Error ellipse: s-maj=1115.0km s-min=179.2km az=88.0.
ISC III 24 18 16 05.5–4.9 20.5S–.70 172.8W–.50 10 4.5b 22 37-70
NEIC III 24 18 16 05.3–1.1 20.5S–.30 172.6W–.20 10–2 4.6b ¶610543614
IDC III 24 18 16 12.4–27 20.56S 173.96W 0 4.0,4.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=45.1km s-min=29.7km az=344.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=499.1km s-min=154.1km az=76.0.
IDC III 27 15 11 44.5–50 22.79S 173.35W 0 3.9,3.9b ¶610543802
IDC Error ellipse: s-maj=956.4km s-min=183.9km az=87.0.
ISC III 29 10 53 02.4–1.3 22.1S–.30 175.4W–.10 100 3.8b 8 8-146
IDC III 29 10 53 04.8–10 21.97S 175.51W 119–83 5.5L,4.0 ¶610543924
ISC Event type ke.
IDC Error ellipse: s-maj=128.0km s-min=22.5km az=150.0.
ISC III 29 15 03 19.8–.51 23.12S–.07 175.37W–.08 10 4.2b 41 6-150
NEIC III 29 15 03 20.7–1.4 22.92S–.10 175.4W–.10 28–8 4.4b ¶610543940
IDC III 29 15 03 26.7–4.9 23.26S 175.61W 60–41 5.7L,4.1
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.9km s-min=12.0km az=124.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=39.2km s-min=19.4km az=144.0.
ISC III 30 13 33 11.6–.94 17.2S–.10 172.6W–.30 17 4.1b 11 3-148
IDC III 30 13 33 09.6–1.1 17.28S 172.61W 0 4.0,4.0b ¶610543994
ISC Event type ke.
IDC Error ellipse: s-maj=45.7km s-min=18.3km az=127.0.
ISC IV 03 09 12 55.6–.55 23.44S–.09 174.81W–.08 35 4.5b 35 6-152
IDC IV 03 09 12 50.7–1.4 23.84S 175.17W 0 5.6L,4.0 ¶610651826
NEIC IV 03 09 12 56.0–1.5 23.2S–.10 174.6W–.10 71–11 4.5b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 03 16 28 07.2–12 22.6S–.60 174W–2.0 10 4.5b 15 17-54
IDC IV 03 16 28 01.9–27 22.06S 174.08W 0 4.1,4.1b ¶610651849
NEIC IV 03 16 28 04.2–1.4 22.5S–.30 174.0W–.20 10–2 4.5b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 13 14 33 02.4–1.1 22.7S–.20 171.7W–.20 10 4.6b 20 4-81
NEIC IV 13 14 33 01.6–1.6 22.83S–.06 171.4W–.20 10–1 4.6b ¶610652641
IDC IV 13 14 33 03.0–26 22.34S 171.94W 0 4.3,4.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=24.9km s-min=9.0km az=74.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=480.1km s-min=156.2km az=76.0.
ISC IV 18 21 26 54.6–.57 23.13S–.09 175.21W–.09 10 4.3b,3.5s 27 6-147
NEIC IV 18 21 26 54.1–2.0 23.2S–.10 175.0W–.20 10–1 4.3b,3.5s ¶610653009
IDC IV 18 21 27 05.9–4.8 23.43S 175.33W 94–39 4.1,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=25.8km s-min=19.3km az=115.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=42.7km s-min=24.0km az=140.0.
IDC IV 23 01 11 18.4–10 17.23S 172.11W 0 3.4,3.4b ¶610649783
IDC Error ellipse: s-maj=471.9km s-min=43.1km az=140.0.
IDC IV 23 08 16 27.4–29 20.00S 172.55W 0 3.9,3.9b ¶610649805
IDC Error ellipse: s-maj=540.0km s-min=162.2km az=77.0.
IDC IV 23 19 14 32.8–7.9 17.12S 171.51W 0 4.8L,3.9 ¶610649826
IDC Error ellipse: s-maj=201.2km s-min=105.7km az=17.0.
ISC IV 23 22 46 19.9–.44 19.62S–.07 172.76W–.07 10 4.7b,3.7s 136 3-153
IDC IV 23 22 46 19.4–.71 19.43S 172.96W 0 4.4,4.4b ¶610598434
NEIC IV 23 22 46 20.7–1.4 19.6S–.10 172.73W–.10 10–1 4.8b,4.4b
NOU IV 23 22 46 26.7 19.42S 172.41W 94 4.9b,4.4b
ISC Event type se.
IDC Error ellipse: s-maj=29.2km s-min=13.9km az=137.0.
NEIC Event type se. Error ellipse: s-maj=17.2km s-min=15.3km az=158.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Tonga Islands Region.
IDC IV 29 18 42 34.1–55 18.03S 172.95W 0 3.7,3.7b ¶610650345
IDC Error ellipse: s-maj=1051.0km s-min=195.7km az=82.0.
IDC IV 29 21 54 58.3–26 22.92S 172.99W 0 4.3,4.3b ¶610650353
IDC Error ellipse: s-maj=484.3km s-min=149.1km az=77.0.
ISC V 05 01 23 30.3–.31 23.97S–.06 175.80W–.07 39–3 5.0b,4.4s 375 6-169
IDC V 05 01 23 24.8–.43 23.66S 175.86W 0 4.8b,4.7 ¶611833751
MOS V 05 01 23 24.8–1.3 23.97S 175.83W 10 5.2b,4.7
NEIC V 05 01 23 26.1–1.6 23.87S–.09 175.8W–.10 10–1 4.9b,4.7
BJI V 05 01 23 26.9–.00 23.80S 175.42W 28 5.4b,5.3b
GCMT V 05 01 23 30.0–.30 23.94S–.03 175.31W–.02 25–0 5.0W,5.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s46,c57; s87,c115;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.27±.18 $M_{\theta\theta}$-0.62±.12; $M_{\phi\phi}$-2.65±.11; $M_{r\theta}$1.23±.30; $M_{\theta\phi}$-1.04±.07; $M_{r\phi}$1.70±.20; Best double couple: NP1:ϕ_s30.00000°,δ62.00000°,λ96.00000°. NP2:ϕ_s197.00000°,δ29.00000°,λ79.00000°. Principal axes: T 3.9210,Plg73.0000° ,Azm314.0000°; N -0.2310,Plg5.0000°,Azm207.0000°; P -3.6950,Plg16.0000° ,Azm115.0000° $M_0$3.80800×10^{16}
ISC V 07 08 08 35.6–.33 18.89S–.05 172.86W–.05 10 5.0b,4.5s 235 3-152
NEIC V 07 08 08 35.8–1.3 18.88S–.08 172.88W–.07 10–1 5.0b,4.5s ¶610618931
IDC V 07 08 08 35.9–.66 18.83S 173.29W 0 4.5,4.5b
GCMT V 07 08 08 40.8–.20 19.03S–.02 172.61W–.01 15–0 5.0W,4.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s42,c55; s115,c157;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.72±.16 $M_{\theta\theta}$-0.96±.10; $M_{\phi\phi}$-2.76±.11; $M_{r\theta}$1.02±.23; $M_{\theta\phi}$-1.23±.07; $M_{r\phi}$1.07±.19; Best double couple: NP1:ϕ_s33.00000°,δ56.00000°,λ96.00000°. NP2:ϕ_s202.00000°,δ34.00000°,λ81.00000°. Principal axes: T 4.0320,Plg78.0000° ,Azm324.0000°; N -0.3740,Plg5.0000°,Azm209.0000°; P -3.6580,Plg11.0000° ,Azm118.0000° $M_0$3.84500×10^{16}
ISC V 12 20 45 29.5–.77 22.1S–.20 175.5W–.10 10 4.5b 18 6-145
IDC V 12 20 45 25.7–3.1 23.36S 175.24W 0 5.3L,3.9 ¶610690150
NEIC V 12 20 45 29.7–1.6 22.1S–.20 175.6W–.10 10–1 4.5b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC V 15 07 03 21.9–2.1 23.43S 175.38W 0 3.9,3.8L ¶610638737
IDC Error ellipse: s-maj=148.0km s-min=36.9km az=168.0.
ISC V 17 11 37 36.2–.93 22.2S–.20 175.4W–.10 35 4.4b 24 6-62
IDC V 17 11 37 19.3–26 22.12S 173.76W 0 4.4,4.4b ¶610690491
NEIC V 17 11 37 37.0–.86 22.1S–.20 175.3W–.10 41–12 4.3b,4.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 18 05 22 33.1–1.1 23.2S–.20 174.1W–.20 35 4.2b 21 6-56
IDC V 18 05 22 25.9–9.2 22.89S 173.80W 0 4.3,4.2b ¶610690550
NEIC V 18 05 22 30.1–1.4 23.3S–.20 174.1W–.10 10–2 4.3b,4.2b
ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 26 12 16 57.5–1.2 23.9S–.10 175.5W–.20 28 4.5b 22 6-66
IDC V 26 12 16 55.5–1 23.85S 175.84W 0 4.3,4.3b ¶610685432
NEIC V 26 12 16 55.5–1.1 23.94S–.07 175.5W–.20 10–2 4.6b,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC V 29 16 20 25.6–39 23.11S 174.88W 0 3.7,3.7b ¶610685636
IDC Error ellipse: s-maj=737.8km s-min=169.8km az=87.0.
ISC VI 04 00 20 55.7–.52 18.74S–.06 172.73W–.05 19–2 5.0b,4.6s 441 3-172
BJI VI 04 00 20 52.2–.00 18.62S 172.69W 5 5.5b,5.1b ¶610672770
NEIC VI 04 00 20 53.6–1.6 18.71S–.09 172.69W–.07 10–1 5.1b,5.1b
IDC VI 04 00 20 53.2–.49 18.75S 173.17W 0 4.5,4.5b
GCMT VI 04 00 20 57.6–.20 18.74S–.02 172.54W–.01 14–0 5.0W,4.5b
BGR VI 04 00 20 59.0 19.19S 172.60W 33–0 4.6s,4.5b
MOS VI 04 00 20 59.4–2.2 17.60S 173.99W 10 5.1b,4.5b
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=14.9km s-min=10.9km az=194.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=20.5km s-min=13.6km az=140.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s56,c68; s120,c180;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}4.42±.18 $M_{\theta\theta}$-0.51±.12; $M_{\phi\phi}$-3.91±.13; $M_{r\theta}$0.17±.27; $M_{\theta\phi}$-1.52±.07; $M_{r\phi}$1.13±.24; Best double couple: NP1:ϕ_s18.00000°,δ52.00000°,λ86.00000°. NP2:ϕ_s204.00000°,δ38.00000°,λ95.00000°. Principal axes: T 4.5710,Plg82.0000° ,Azm267.0000°; N 0.0570,Plg3.0000°,Azm20.0000°; P -4.6290,Plg7.0000°,Azm111.0000° $M_0$4.60000$\times10^{16}$
BGR Event type ke.
MOS Error ellipse: s-maj=13.9km s-min=10.7km az=98.6.
ISC VI 06 08 38 42.6–.73 19.0S–.10 172.77W–.08 21 4.5b 22 3-77
NEIC VI 06 08 38 41.3–1.1 19.0S–.10 172.78W–.09 10–1 4.7b ¶610791334
IDC VI 06 08 38 44.7–1.4 18.73S 173.64W 0 4.1,4.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=22.5km s-min=13.8km az=16.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=41.0km s-min=25.3km az=118.0.
ISC VI 10 14 29 09.0–1.9 22.2S–.20 175.7W–.30 100 3.9b 10 7-150
IDC VI 10 14 29 10.8–6.2 22.27S 175.89W 112–43 4.0,3.5b ¶610791596
ISC Event type ke.
IDC Error ellipse: s-maj=58.2km s-min=34.6km az=110.0.
ISC VI 12 12 32 08.4–1.7 18.65–.40 172.1W–.10 10 4.5b 19 2-60
NEIC VI 12 12 32 13.1–1.3 18.7S–.40 172.12W–.05 29–12 4.7b ¶610791724
IDC VI 12 12 32 22.1–26 18.68S 174.03W 0 4.3,4.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=57.4km s-min=5.6km az=184.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=488.2km s-min=156.8km az=74.0.
IDC VI 12 16 05 15.1–60 18.05S 171.76W 0 3.6s,3.5 ¶610791734
IDC Error ellipse: s-maj=1168.0km s-min=212.8km az=82.0.
IDC VI 13 07 45 09.3–32 23.69S 175.78W 0 3.9,3.9b ¶610791763
IDC Error ellipse: s-maj=576.9km s-min=153.1km az=81.0.
ISC VI 24 06 12 52.2–1.7 22.0S–.30 173.9W–.20 46 4.0b 6 8-146
IDC VI 24 06 12 45.5–1.8 22.16S 173.82W 0 5.1L,4.1 ¶610789377
ISC Event type ke.
IDC Error ellipse: s-maj=73.5km s-min=26.3km az=156.0.
IDC VI 25 05 01 54.2–52 22.25S 175.76W 0 3.9,3.9b ¶610789423
IDC Error ellipse: s-maj=973.3km s-min=170.3km az=86.0.
ISC VI 25 06 49 10.5–.76 18.7S–.10 172.79W–.08 10 4.3b 20 3-149
NEIC VI 25 06 49 10.5–.42 18.6S–.10 172.83W–.04 10–1 4.3b ¶610789430
IDC VI 25 06 49 21.6–3.9 18.42S 174.89W 0 3.9,3.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.7km s-min=6.7km az=354.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=134.9km s-min=36.4km az=138.0.
ISC VI 25 23 57 08.6–.76 22.1S–.10 174.3W–.10 10 4.4b 22 5-151
NEIC VI 25 23 57 08.7–1.3 22.2S–.10 174.4W–.20 10–2 4.1b ¶610789470
IDC VI 25 23 57 12.0–3.0 22.06S 175.23W 0 4.4L,4.3
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=31.6km s-min=7.2km az=132.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=105.6km s-min=32.2km az=134.0.
ISC VI 27 10 32 35.8–13 22.1S–.70 172W–2.0 10 4.5b 20 4-58
NEIC VI 27 10 32 37.8–.47 22.2S–.20 172.2W–.20 10–2 4.4b ¶610789568
IDC VI 27 10 32 41.2–25 21.43S 173.23W 0 4.4,4.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=43.4km s-min=8.3km az=129.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=472.5km s-min=140.6km az=76.0.

(175) South of Tonga Islands.

ISC II 05 01 11 18.1–1.3 24.3S–.20 175.9W–.20 30 4.2b 8 9-151
IDC II 05 01 11 12.8–1.6 24.45S 175.80W 0 4.9L,4.1 ¶610414852
ISC Event type ke.
IDC Error ellipse: s-maj=62.9km s-min=30.6km az=164.0.
ISC II 16 10 58 29.5–.79 25.80S–.10 175.3W–.10 10 4.2b,3.4s 19 4-152
IDC II 16 10 58 28.5–1.1 25.51S 175.34W 0 4.2L,4.1 ¶610415628
ISC Event type ke.
IDC Error ellipse: s-maj=51.9km s-min=20.4km az=153.0.
NOU II 19 00 37 30.0 24.59S 175.69W 303 4.2b ¶612488803
NOU South of Tonga Islands.
IDC II 19 07 37 45.7–29 24.40S 172.49W 0 4.0,4.0b ¶610415805
IDC Error ellipse: s-maj=531.6km s-min=162.4km az=79.0.
ISC II 19 17 12 08.2–2.1 24.0S–.20 175.7W–.40 35 3.8b 7 15-151
IDC II 19 17 11 60.0–2.6 23.49S 175.32W 0 3.8,3.8b ¶610415829
ISC Event type ke.
IDC Error ellipse: s-maj=81.2km s-min=47.2km az=132.0.
ISC III 14 20 31 30.2–.43 24.61S–.05 175.69W–.06 27–2 5.0b,4.4s 371 5-168
IDC III 14 20 31 26.5–.42 24.58S 176.01W 0 4.6,4.6b ¶610329068
BJI III 14 20 31 26.0–.00 24.50S 175.70W 5 5.7b,5.3s
NEIC III 14 20 31 27.4–2.0 24.39S–.08 175.57W–.09 10–1 5.1b,5.3s
MOS III 14 20 31 28.3–1.6 24.63S 175.83W 23 5.2b,5.3s
NOU III 14 20 31 28.8 24.46S 175.23W 18 5.1b,5.3s
GCMT III 14 20 31 31.4–.20 24.49S–.02 175.65W–.01 17–1 5.0W,5.3s
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU South of Tonga Islands.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s29,c37; s96,c135;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.76±.13 $M_{\theta\theta}$-2.93±.11; $M_{\phi\phi}$3.68±.12; $M_{r\theta}$-1.07±.32; $M_{\theta\phi}$-0.17±.09; $M_{r\phi}$-0.97±.27; Best double couple: NP1:ϕ_s41.00000°,δ82.00000°,λ-25.00000°. NP2:ϕ_s135.00000°,δ65.00000°,λ-171.00000°. Principal axes: T 3.8820,Plg12.0000° ,Azm90.0000°; N -0.4800,Plg63.0000°,Azm205.0000°; P -3.4080,Plg23.0000° ,Azm355.0000° $M_0$3.64500$\times10^{16}$
IDC IV 03 16 15 21.0–25 24.07S 173.83W 0 3.9,3.9b ¶610651848
IDC Error ellipse: s-maj=469.6km s-min=149.8km az=79.0.
ISC IV 06 17 32 45.3–.48 24.95S–.05 175.38W–.07 25–2 5.0s,5.0b 484 5-168
IDC IV 06 17 32 41.0–.48 24.80S 175.46W 0 4.5,4.5b ¶611832240
MOS IV 06 17 32 42.6–1.1 24.81S 175.43W 15 5.2b,4.5b
BJI IV 06 17 32 44.7–.00 24.08S 174.99W 15 5.4b,5.1s
GCMT IV 06 17 32 45.2–.30 25.08S–.03 175.20W–.03 19–0 5.1W,5.1s
NEIC IV 06 17 32 47.2–1.4 24.8S–.10 175.3W–.10 33–4 5.0b,5.1s
ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s37,c47; s94,c123;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-4.81±.26 $M_{\theta\theta}$2.64±.19; $M_{\phi\phi}$2.16±.19; $M_{r\theta}$-1.52±.36; $M_{\theta\phi}$2.19±.11; $M_{r\phi}$2.35±.38; Best double couple: NP1:ϕ_s205.00000°,δ53.00000°,λ-120.00000°. NP2:ϕ_s69.00000°,δ47.00000°,λ-56.00000°. Principal axes: T 4.6280,Plg3.0000° ,Azm316.0000°; N 1.4130,Plg24.0000°,Azm225.0000°; P -6.0510,Plg66.0000°,Azm53.0000° $M_0$5.33900$\times10^{16}$
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 18 20 19 44.4–.42 25.18S–.06 175.58W–.08 10 4.8b,3.9s 96 5-168
IDC IV 18 20 19 43.5–.58 25.17S 175.59W 0 4.3,4.3L ¶610598404
NEIC IV 18 20 19 44.6–2.9 25.1S–.10 175.34W–.09 10–1 4.9b,4.3L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IV 30 11 48 55.9–29 24.25S 174.54W 0 3.9,3.9b ¶610650410
IDC Error ellipse: s-maj=531.4km s-min=153.4km az=81.0.
ISC V 02 14 07 01.5–.29 24.36S–.05 175.90W–.05 10 5.1b,4.6s 383 5-169
BJI V 02 14 07 00.9–.00 24.19S 175.78W 11 5.4b,5.0b ¶615092616
NEIC V 02 14 07 00.2–1.6 24.26S–.08 175.8W–.10 10–1 5.1b,5.0b
IDC V 02 14 07 01.5–.41 24.20S 176.18W 0 5.4L,4.7
MOS V 02 14 07 01.8–1.3 24.38S 176.27W 10 5.1b,4.7
GCMT V 02 14 07 08.2–.20 24.47S–.01 175.66W–.02 33–1 5.2W,4.7
NOU V 02 14 08 00.4 24.53S 178.31W 461 4.5b,4.7
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.2km s-min=14.1km az=85.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=16.1km s-min=13.0km az=112.0.
MOS Error ellipse: s-maj=12.2km s-min=11.6km az=11.9.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s78,c104; s106,c160;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.74±.20 $M_{\theta\theta}$-1.72±.16; $M_{\phi\phi}$-2.02±.15; $M_{r\theta}$4.10±.23; $M_{\theta\phi}$-4.03±.10; $M_{r\phi}$2.70±.19; Best double couple: NP1:ϕ_s57.00000°,δ69.00000°,λ104.00000°. NP2:ϕ_s203.00000°,δ25.00000°,λ59.00000°. Principal axes: T 5.9760,Plg64.0000° ,Azm349.0000°; N 1.9180,Plg13.0000°,Azm232.0000°; P -7.8940,Plg23.0000° ,Azm136.0000° $M_0$6.93500$\times10^{16}$
NOU South of Fiji Islands.
ISC VI 02 06 08 05.8–.76 24.2S–.10 175.3W–.10 28 4.1b 12 9-148
IDC VI 02 06 08 02.1–1.4 24.12S 175.45W 0 5.2L,4.1 ¶610791078
ISC Event type ke.
IDC Error ellipse: s-maj=40.5km s-min=28.4km az=137.0.

(176) North of New Zealand.

WEL III 08 16 28 59.8–.72 32S–5.0 178E–9.0 33 4.7L,4.3 ¶614542179
WEL smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC VI 12 06 34 29.9–1.9 34.54S 176.45E 0 3.6b,3.5 ¶610791701
IDC Error ellipse: s-maj=43.0km s-min=29.3km az=57.0.
IDC VI 30 12 08 29.7–34 29.28S 175.75E 0 4.2,4.2b ¶610789786
IDC Error ellipse: s-maj=589.8km s-min=109.9km az=91.0.

(177) Kermadec Islands region.

ISC I 01 12 59 03.4–2.8 30.1S–.20 176.7W–.40 24 4.0b 6 10-145
IDC I 01 12 59 01.1–3.3 30.10S 176.88W 0 3.8,3.8b ¶610236386
ISC Event type ke.
IDC Error ellipse: s-maj=74.5km s-min=37.8km az=116.0.
ISC I 02 06 20 31.5–.61 30.22S–.06 179.10W–.09 350 4.1b 163 8-163
NEIC I 02 06 19 11.0–2.1 27.51S–.09 172.82W–.07 10–1 4.9b ¶610180851
IDC I 02 06 20 32.8–2.7 29.79S 179.44W 355–24 4.4,3.7b
NOU I 02 06 20 33.4 30.36S 178.89W 388 4.5b,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.0km s-min=10.7km az=6.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=22.3km s-min=14.4km az=57.0.
NOU Kermadec Islands, New Zealand.
ISC I 03 18 38 25.0–.50 28.05S–.07 175.57W–.08 10 4.5b,3.8s 56 12-165
NEIC I 03 18 38 24.3–1.6 28.13S–.08 175.4W–.10 10–1 4.9b,3.8s ¶610057019
IDC I 03 18 38 30.0–.99 27.25S 176.64W 0 4.1b,4.0
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=22.6km s-min=10.6km az=111.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=35.2km s-min=24.9km az=141.0.
ISC I 08 06 03 06.5–3.3 28S–1.0 177.9W–.60 35 3.5b 6 35-149
IDC I 08 06 03 02.0–4.2 27.91S 177.93W 0 3.7,3.7b ¶610236948
ISC Event type ke.
IDC Error ellipse: s-maj=235.3km s-min=45.8km az=156.0.
IDC I 11 00 05 24.4–13 30.21S 179.75E 595–139 3.8,2.9b ¶610237112
IDC Error ellipse: s-maj=171.1km s-min=81.1km az=164.0.
IDC I 13 22 39 18.0–6.3 30.58S 179.01W 0 3.5,3.5b ¶610237316
IDC Error ellipse: s-maj=251.1km s-min=58.8km az=156.0.
WEL I 15 21 19 44.1–.73 32S–6.0 179E–12 33 4.8b,4.6L ¶614539040
WEL smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC I 19 06 41 08.2–.97 30.72S–.09 179.8E–.10 400 23 2-145
IDC I 19 06 41 09.3–8.3 30.82S 179.69E 439–91 4.1,3.0b ¶610237710
WEL I 19 06 41 11.2–1.3 31S–9.0 180W–20 408–18 4.9L,4.7
ISC Event type se.
WEL smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC I 20 02 09 31.0–8.9 30.90S 179.85W 389–103 3.4,2.5b ¶610234905
IDC Error ellipse: s-maj=103.9km s-min=40.9km az=6.0.
IDC I 20 15 53 30.5–3.3 31.17S 179.00W 0 3.8,3.7b ¶610234946
IDC Error ellipse: s-maj=69.3km s-min=48.4km az=108.0.
ISC I 21 13 16 25.1–.98 30.67S–.09 179.4W–.20 400 2.7b 52 7-151
IDC I 21 13 16 26.6–13 30.85S 179.42W 417–124 3.3,2.6b ¶610234999
ISC Event type ke.
IDC Error ellipse: s-maj=241.8km s-min=57.5km az=162.0.
IDC I 23 23 41 39.7–2.8 31.78S 178.64W 0 3.8,3.7b ¶610235227
IDC Error ellipse: s-maj=66.9km s-min=35.4km az=111.0.
ISC I 24 08 00 08.2–2.0 30.0S–.80 179.4W–.20 500 3.8b 6 20-150
IDC I 24 08 00 08.3–3.4 29.93S 179.35W 501–44 4.2,3.1b ¶610235253
ISC Event type ke.
IDC Error ellipse: s-maj=106.9km s-min=15.9km az=168.0.
WEL I 25 04 02 30.1–1.2 31S–8.0 178E–35 33 4.9b,4.8L ¶614539655
WEL smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC I 25 07 02 59.4–.72 31.52S–.05 178.4W–.10 100 5.1b 132 2-153
WEL I 25 07 02 59.4–.41 31S–6.0 179W–14 116–13 5.4,5.2L ¶615092361
NEIC I 25 07 02 59.7–1.5 31.61S–.05 178.3W–.20 102–11 4.9b,5.2L
IDC I 25 07 03 02.3–2.7 31.67S 178.43W 127–21 4.4,4.0b
ISC Event type se.

WEL Error ellipse: s-maj=0.0km s-min=0.0km az=111.0. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=29.3km s-min=4.9km az=99.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=30.7km s-min=22.2km az=133.0.
ISC I 25 13 12 20.3–.61 31.43S–.06 179.6W–.10 200 4.0b 86 3-162
WEL I 25 13 12 20.0–.70 32S–4.0 178W–13 33 5.1L,4.9 **¶614539684**
IDC I 25 13 12 26.3–2.5 31.22S 179.70W 251–21 4.3,3.7b
ISC Event type ke.
WEL Error ellipse: s-maj=0.0km s-min=0.0km az=105.9. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=21.7km s-min=18.2km az=50.0.
ISC I 28 00 30 52.5–1.3 31.79S–.08 177.3W–.20 10 4.2b 34 3-161
NEIC I 28 00 30 49.9–2.3 31.88S–.07 176.8W–.10 10–2 4.3b **¶610235521**
IDC I 28 00 30 51.7–1.4 31.72S 177.31W 0 4.2L,4.1
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.2km s-min=10.3km az=67.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=36.4km s-min=27.9km az=120.0.
IDC I 28 21 57 45.9–3.3 32.00S 177.20W 0 3.8L,3.6
¶610235595
IDC Error ellipse: s-maj=74.6km s-min=34.0km az=112.0.
IDC I 29 06 45 30.4–8.2 31.20S 177.47W 0 3.5,3.5b
¶610235619
IDC Error ellipse: s-maj=360.0km s-min=61.2km az=157.0.
ISC I 30 01 04 41.0–2.2 31.5S–.10 177.0W–.30 35 4.3b 7 2-146
IDC I 30 01 04 35.8–2.5 31.52S 177.08W 0 4.3,4.3b **¶610235680**
ISC Event type ke.
IDC Error ellipse: s-maj=53.3km s-min=34.4km az=101.0.
ISC I 30 01 08 37.8–.70 31.76S–.06 177.7W–.10 35 4.4b 53 3-161
IDC I 30 01 08 34.0–1.0 31.62S 177.30W 0 4.4,4.4b **¶610235681**
WEL I 30 01 08 36.2–1.6 32S–9.0 178W–29 33 4.8L,4.6b
NEIC I 30 01 08 36.5–1.1 32.08S–.05 177.5W–.10 10–1 4.4b,4.6b
ISC Event type se.
WEL smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 30 01 10 18.7–1.0 31.69S–.07 177.8W–.20 35 4.5b,3.3s 36 2-162
IDC I 30 01 10 13.2–1.0 31.62S 177.19W 0 4.5,4.5b **¶610235682**
ISC Event type ke.
IDC Error ellipse: s-maj=32.4km s-min=23.2km az=73.0.
ISC I 31 02 44 32.6–.54 31.77S–.06 177.30W–.10 35 4.7b 54 3-161
IDC I 31 02 44 27.9–.60 31.69S 177.25W 0 4.5,4.5b **¶610180928**
NEIC I 31 02 44 29.6–1.1 31.75S–.04 177.1W–.20 14–6 4.8b,4.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 31 02 47 09.6–.59 31.75S–.05 177.4W–.10 26 4.7b 52 3-161
IDC I 31 02 47 06.3–.76 31.66S 177.26W 0 4.2,4.2b **¶610235772**
NEIC I 31 02 47 07.3–1.1 31.65S–.07 177.2W–.20 10–2 4.9b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 02 15 34 23.0–1.3 27.35S–.06 176.17W–.07 13–7 4.9b,4.2s 148 2-166
BJI II 02 15 34 21.6–.00 27.29S 176.02W 17 5.6b,5.2b **¶610180945**
IDC II 02 15 34 22.1–.60 27.14S 176.45W 0 4.6b,4.5
NEIC II 02 15 34 23.3–2.2 27.08S–.09 176.1W–.10 10–1 4.9b,4.5
GCMT II 02 15 34 29.3–.50 27.01S–.04 176.08W–.03 30–1 4.9W,4.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s26,c35; s49,c66;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.39±.23 $M_{\theta\theta}$-0.20±.15; $M_{\phi\phi}$-2.20±.13; $M_{r\theta}$0.74±.22; $M_{\theta\phi}$-0.69±.08; $M_{\phi r}$1.13±.15; Best double couple: NP1:ϕ_s25.00000°,δ60.00000°,λ98.00000°. NP2:ϕ_s190.00000°,δ31.00000°,λ77.00000°. Principal axes: T 2.7640,Plg74.0000° ,Azm315.0000°; N -0.0240,Plg7.0000°,Azm201.0000°; P -2.7460,Plg14.0000° ,Azm109.0000° $M_0$2.75500×10^{16}
WEL II 02 18 12 30.4–.69 31S–9.0 180W–22 355–12 5.1L,5.0
¶614540159
WEL smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC II 03 17 57 13.7–.94 28.8S–.10 177.9W–.20 200 4.1b 28 0-152
NEIC II 03 17 57 12.2–.90 28.21S–.09 177.8W–.20 175–9 4.3b **¶610243767**
IDC II 03 17 57 12.9–.71 28.46S 178.16W 180–8 4.0,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=30.4km s-min=7.1km az=111.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=28.2km s-min=23.4km az=152.0.
ISC II 05 09 29 04.6–1.8 29.9S–.10 179.3W–.30 300 3.9b 16 9-144
NEIC II 05 09 29 08.9–1.6 30.1S–.20 179.5W–.30 319–20 4.0b **¶610414868**
IDC II 05 09 29 14.2–9.0 30.66S 179.10W 426–105 3.8,2.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=39.7km s-min=24.4km az=91.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=94.6km s-min=42.3km az=8.0.
IDC II 05 12 36 55.8–19 31.09S 179.70E 312–220 3.5,2.8b
¶610414880
IDC Error ellipse: s-maj=262.0km s-min=52.7km az=2.0.
ISC II 08 09 35 57.7–.78 31.77S–.07 179.9E–.10 400 3.5b 76 3-150
IDC II 08 09 35 58.1–4.0 31.84S 179.99E 413–43 4.1,3.3b **¶610243784**
WEL II 08 09 36 05.1–1.0 32S–15 180W–37 302–23 5.1,4.7L
ISC Event type ke.
WEL smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC II 09 07 26 35.3–.59 31.18S–.06 179.3W–.10 400 4.0b 143 2-160
IDC II 09 07 26 36.0–.78 30.86S 179.86W 379–7 4.6,3.7b **¶610243787**
WEL II 09 07 26 38.9–1.1 32S–13 178W–32 349–18 5.8L,5.5b
ISC Event type ke.
WEL smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL II 11 09 43 41.4–1.4 31S–29 180W–48 385–69 4.5,4.5
¶614540677
WEL smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC II 11 18 43 25.0–.69 31.82S–.07 179.7E–.10 350 3.9b 76 3-151
IDC II 11 18 43 22.9–4.4 31.58S 179.95W 340–38 4.4,3.6b **¶610243795**
NEIC II 11 18 43 25.0–2.3 31.89S–.07 180.0W–.20 356–8 4.0b,3.6b
WEL II 11 18 43 28.9–.82 32S–8.0 180W–20 342–13 5.0L,5.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC II 12 13 36 05.1–.51 28.67S–.08 175.61W–.09 35 4.7b,3.5s 64 2-167
NEIC II 12 13 36 02.1–1.1 28.50S–.08 175.65W–.10 10–1 4.9b,3.5s **¶610243798**
IDC II 12 13 36 08.5–3.8 28.33S 175.83W 56–31 5.1L,4.2
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.6km s-min=10.2km az=49.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=25.1km s-min=23.8km az=81.0.
ISC II 13 12 23 57.1–1.1 30.04S–.09 176.4W–.10 10 4.0b 11 2-163
IDC II 13 12 23 55.0–1.2 29.65S 176.24W 0 3.9,3.9b **¶610415451**
ISC Event type ke.
IDC Error ellipse: s-maj=38.1km s-min=21.4km az=18.0.
ISC II 16 12 10 55.1–.61 29.16S–.07 179.0W–.10 200 4.0b 63 1-151
IDC II 16 12 10 55.6–.61 29.35S 178.17W 230–6 4.4,4.0b **¶610231514**
ISC Event type ke.
IDC Error ellipse: s-maj=37.6km s-min=19.0km az=126.0.
IDC II 16 15 01 56.8–9.2 30.51S 179.18W 393–96 3.9,3.1b
¶610415640
IDC Error ellipse: s-maj=95.8km s-min=51.1km az=11.0.
IDC II 17 10 49 21.7–6.7 27.17S 173.93W 0 3.4,3.4b
¶610415684
IDC Error ellipse: s-maj=463.6km s-min=75.1km az=161.0.
ISC II 17 17 10 24.8–1.2 31.71S–.08 177.6W–.20 26 4.3b 25 2-153
NEIC II 17 17 10 21.8–.88 31.76S–.08 177.4W–.10 10–2 4.4b **¶610415711**
IDC II 17 17 10 22.6–1.6 31.64S 177.78W 0 4.1,4.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.2km s-min=6.5km az=127.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=46.0km s-min=29.4km az=127.0.
IDC II 18 08 15 18.6–2.9 31.98S 177.84W 0 4.1,4.1b
¶610415749
IDC Error ellipse: s-maj=69.0km s-min=36.0km az=119.0.
ISC II 18 11 19 12.2–1.1 31.47S–.09 179.5E–.20 450 3.9b 75 3-145
WEL II 18 11 19 09.6–.70 32S–9.0 179W–25 419–10 4.7,4.6L **¶610415756**
IDC II 18 11 19 12.1–7.9 31.57S 179.66E 487–102 4.1,2.8b
NEIC II 18 11 19 13.9–1.4 31.5S–.20 179.2E–.20 466–18 3.9b,2.8b
ISC Event type se.
WEL smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 19 07 46 28.5–.75 31.45S–.07 179.2W–.10 100 4.5b 52 2-162
IDC II 19 07 46 28.3–1.5 31.56S 178.72W 125–15 4.6,4.3b **¶610415806**
WEL II 19 07 46 29.2–.59 31S–12 179W–25 33 4.9b,4.7L
ISC Event type se.
WEL smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC II 19 19 08 48.8–4.4 31.66S 177.04W 0 3.9,3.9b
¶610415835
IDC Error ellipse: s-maj=225.2km s-min=46.4km az=165.0.
WEL II 20 03 56 34.0–.94 32S–17 180W–34 450–28 4.6L,4.4
¶614541198
WEL smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL II 20 07 14 17.0–1.3 32S–26 180W–60 332–44 4.8,4.8
¶614541203
WEL smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC II 20 13 49 34.7–.86 31.60S–.09 179.9W–.20 250 4.0b 36 3-146
NEIC II 20 13 49 29.2–1.1 31.35S–.08 179.5W–.20 212–13 4.2b **¶610384689**
IDC II 20 13 49 30.8–9.9 31.45S 179.70W 221–101 3.9,3.0b
WEL II 20 13 49 35.6–1.1 32S–22 179W–58 263–17 4.8L,4.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC II 21 06 45 45.7–1.3 31.87S–.08 179.6E–.10 439 63 3-146
IDC II 21 06 45 48.3–7.6 32.19S 179.31E 483–99 3.8,2.6b **¶610384731**
WEL II 21 06 45 50.6–.73 32S–6.0 180E–16 403–12 4.7L,4.7
NOU II 21 06 46 09.1 33.64S 178.37E 406 4.3,4.7
ISC Event type ke.
IDC Error ellipse: s-maj=122.0km s-min=39.4km az=8.0.
WEL Error ellipse: s-maj=0.0km s-min=0.0km az=108.1. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU South of Kermadec Islands.
ISC II 22 20 40 40.4–2.3 28.6S–.20 177.3W–.40 35 4.0b 7 1-150
IDC II 22 20 40 36.5–2.5 28.55S 177.47W 0 4.0,4.0b **¶610384829**
ISC Event type ke.
IDC Error ellipse: s-maj=56.7km s-min=21.2km az=105.0.
ISC II 23 02 08 55.2–1.5 28.6S–.20 177.5W–.30 54 3.6s 9 1-165
IDC II 23 02 08 47.9–1.5 28.49S 177.45W 0 3.9,3.9b **¶610384839**
ISC Event type ke.
IDC Error ellipse: s-maj=45.2km s-min=20.6km az=109.0.
ISC II 24 16 57 17.9–1.3 29.93S–.09 176.9W–.10 24 11 1-151
IDC II 24 16 57 14.6–1.4 29.85S 176.93W 0 3.9,3.8b **¶610384946**
ISC Event type ke.
IDC Error ellipse: s-maj=38.5km s-min=24.9km az=39.0.
ISC II 24 18 34 04.3–1.4 32.0S–.10 178.8W–.30 10 4.2b 38 3-145
WEL II 24 18 34 07.3–.56 32S–21 179W–53 33 4.5b,4.5L **¶610384951**
IDC II 24 18 34 11.7–4.0 32.05S 179.85W 0 4.0b,3.9
NEIC II 24 18 34 14.6–.70 32.6S–.10 179.97W–.05 10–2 4.2b,3.9
ISC Event type se.
WEL smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL II 24 19 41 23.3–1.1 31S–13 179E–20 11–14 5.0L,4.7b
¶614541504
WEL smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC II 25 15 14 15.8–.46 31.97S–.04 179.10W–.06 45–3 4.9b,3.6s 261 3-171
NEIC II 25 15 14 15.6–1.4 32.13S–.07 178.9W–.10 41–5 4.9b,3.6s **¶610243839**
WEL II 25 15 14 17.2–.39 32S–4.0 179W–9.0 33 5.4L,5.4b
IDC II 25 15 14 21.3–1.6 31.76S 178.99W 89–13 4.6,4.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=10.8km az=94.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL Error ellipse: s-maj=0.0km s-min=0.0km az=113.5. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=14.0km s-min=12.4km az=130.0.
ISC II 26 15 36 18.0–.88 31.50S–.08 179.7W–.10 400 56 3-152
NOU II 26 15 36 18.5 31.45S 179.64W 449 4.2b **¶610385072**
WEL II 26 15 36 28.0–.51 32S–5.0 179E–9.0 33 5.4L,5.2b
IDC II 26 15 36 30.3–42 30.67S 179.23E 518–368 3.6,2.7b
ISC Event type se.
NOU Kermadec Islands Region.
WEL Error ellipse: s-maj=0.0km s-min=0.0km az=117.6. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=383.9km s-min=95.4km az=132.0.
ISC II 27 13 24 15.7–.92 29.0S–.10 176.5W–.10 50 4.3b,3.6s 34 1-164
IDC II 27 13 24 18.3–3.6 28.66S 176.76W 51–29 4.1,3.8b **¶610243858**
NEIC II 27 13 24 26.6–.57 29.2S–.30 177.6W–.20 71–10 4.5b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 02 03 54 54.1–1.1 29.83S–.08 176.9W–.10 24 4.5b,3.5s 28 1-157
IDC III 02 03 54 49.4–1.6 29.79S 176.71W 0 4.1,4.1b **¶610476267**
NEIC III 02 03 54 52.0–1.3 29.8S–.10 176.8W–.10 10–2 4.2b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 02 12 39 50.2–1.3 29.0S–.10 175.7W–.10 35 3.8b 10 2-145
IDC III 02 12 39 52.8–4.3 29.15S 175.85W 59–32 3.9,3.6L **¶610545387**
ISC Event type ke.
IDC Error ellipse: s-maj=33.6km s-min=29.4km az=21.0.
ISC III 02 13 30 16.4–.59 30.68S–.06 179.8W–.10 350 4.0b 105 2-162
NEIC III 02 13 30 17.0–1.4 30.8S–.10 179.8W–.10 348–15 4.0b **¶610545390**
IDC III 02 13 30 17.6–1.2 30.66S 179.87W 357–14 4.7,3.7b
ISC Event type se.

NEIC Event type se. Error ellipse: s-maj=20.4km s-min=15.7km az=145.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=19.6km s-min=14.3km az=106.0.
ISC III 06 19 26 00.4–.23 31.16S–.04 179.89W–.04 400 4.9b 736 3-171
BJI III 06 19 25 58.9–.00 31.11S 179.30W 406 5.2b,4.8b ¶611831971
NEIC III 06 19 25 59.3–1.4 31.18S–.09 179.9W–.10 384–5 4.9b,4.8b
MOS III 06 19 25 59.0–.78 31.03S 179.99E 390 5.0b,4.8b
IDC III 06 19 26 00.7–.97 30.95S 179.95W 397–9 4.9,4.2b
NOU III 06 19 26 01.5 31.15S 179.72W 417 5.0b,4.2b
GCMT III 06 19 26 03.3–.20 31.08S–.02 179.87W–.02 388–1 5.4W,4.2b
WEL III 06 19 26 05.5–1.4 32S–28 178W–35 446–95 6.7,6.3L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Kermadec Islands Region.
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. Moment Tensor Solution. s108,c174;Duration: 1s3 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.97±.03 $M_{\theta\theta}$-0.49±.05; $M_{\phi\phi}$1.45±.04; $M_{r\theta}$-0.79±.04; $M_{\theta\phi}$-0.39±.04; $M_{\phi r}$-0.74±.04; Best double couple: NP1: ϕ_s21.00000°,δ67.00000°,λ-52.00000°. NP2:ϕ_s138.00000°,δ43.00000°,λ-146.00000°. Principal axes: T 1.6730,Plg14.0000°,Azm85.0000°; N 0.0860,Plg34.0000°,Azm185.0000° ; P -1.7620,Plg52.0000°,Azm336.0000° $M_0$1.71800×10^{17}
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC III 06 19 58 48.0–1.7 29.9S–.10 176.3W–.10 10 4.2b 19 2-60
IDC III 06 19 58 39.5–6.7 29.66S 175.38W 0 4.1L,4.0 ¶610545680
NEIC III 06 19 58 45.9–2.0 29.1S–.30 176.07W–.06 10–2 4.3b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC III 07 15 09 06.9–8.2 31.49S 178.56E 200–102 3.9,3.4b
¶610545741
IDC Error ellipse: s-maj=87.8km s-min=18.6km az=163.0.
ISC III 10 05 42 36.9–1.7 31.7S–.10 179.0W–.30 350 78 3-11
WEL III 10 05 42 37.2–.62 32S–10 179W–24 347–8 5.2L,5.0 ¶614542254
NOU III 10 05 43 22.0 34.84S 178.01E 285 4.4,5.0
ISC Event type ke.
WEL Error ellipse: s-maj=0.0km s-min=0.0km az=111.0. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU South of Kermadec Islands.
IDC III 10 13 01 24.5–3.5 31.41S 176.60W 0 3.8L,3.7
¶610545959
IDC Error ellipse: s-maj=73.0km s-min=36.9km az=103.0.
ISC III 10 16 37 14.7–.57 31.31S–.06 179.45E–.10 400 3.9b 75 3-151
IDC III 10 16 37 15.1–2.0 31.31S 179.75E 430–17 4.3,3.5b ¶610470945
WEL III 10 16 37 20.9–.95 32S–13 180W–33 371–14 5.2,4.9L
ISC Event type ke.
WEL smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC III 11 18 04 44.0–8.4 31.72S 179.93E 435–103 3.5,2.5b
¶610546030
IDC Error ellipse: s-maj=108.2km s-min=47.1km az=6.0.
ISC III 12 02 40 10.5–.93 31.5S–.10 179.0W–.30 350 60 2-146
IDC III 12 02 39 29.6–7.5 30.58S 178.87W 0 3.4,3.4b ¶610546052
WEL III 12 02 40 12.2–.59 32S–12 179W–31 327–8 5.2,5.0L
ISC Event type ke.
WEL smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC III 13 09 23 31.5–2.5 31.99S 177.36W 0 3.8,3.8b
¶610546127
IDC Error ellipse: s-maj=67.1km s-min=35.6km az=125.0.
WEL III 14 01 09 11.6–1.2 31S–8.0 178E–13 200 4.8L,4.7
¶614542474
WEL smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL III 14 10 43 51.9–.83 31S–8.0 180W–23 368–13 4.8,4.4b
¶614542492
WEL smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC III 14 12 39 28.9–3.1 31.27S–.06 177.0W–.40 10 4.3s,4.1b 38 2-97
IDC III 14 12 39 42.1–2.2 30.39S 178.79W 0 4.1s,4.1 ¶610546203
ISC Event type ke.
IDC Error ellipse: s-maj=77.3km s-min=21.1km az=143.0.
ISC III 14 16 00 34.2–.99 31.22S–.09 179.9E–.20 426 34 3-145
IDC III 14 16 00 35.0–7.7 31.12S 179.66E 428–88 3.6,2.8b ¶610546208
WEL III 14 16 00 40.9–1.1 31S–20 180E–55 347–28 4.8,4.7b
NOU III 14 16 00 57.5 33.22S 179.32E 443 4.1b,4.7b
ISC Event type ke.
IDC Error ellipse: s-maj=108.5km s-min=37.0km az=8.0.
WEL Error ellipse: s-maj=0.1km s-min=0.0km az=109.6. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU South of Kermadec Islands.
ISC III 15 18 50 25.1–2.4 28.9S–.10 175.7W–.20 50 3.9b,3.7s 8 2-46
IDC III 15 18 50 27.6–6.3 28.96S 175.87W 67–39 4.0,3.6s ¶610546268
ISC Event type ke.
IDC Error ellipse: s-maj=51.4km s-min=34.3km az=52.0.
IDC III 15 22 27 50.3–6.3 28.66S 177.81W 0 3.5,3.5b
¶610546277
IDC Error ellipse: s-maj=326.6km s-min=94.1km az=164.0.
IDC III 16 14 07 19.7–2.9 31.56S 178.23W 0 4.3b,4.2
¶610546316
IDC Error ellipse: s-maj=63.0km s-min=46.1km az=123.0.
IDC III 17 15 37 17.0–8.5 31.79S 179.60W 325–93 3.2,2.4b
¶610546393
IDC Error ellipse: s-maj=100.7km s-min=44.1km az=1.0.
ISC III 18 20 52 18.6–.84 30.42S–.07 179.1W–.10 300 85 2-151
IDC III 18 20 52 18.9–3.3 30.44S 179.15W 295–29 4.1,2.9b ¶610546474
NOU III 18 20 53 06.5 34.38S 179.94W 375 4.4,2.9b
ISC Event type ke.
IDC Error ellipse: s-maj=33.9km s-min=30.3km az=106.0.
NOU South of Kermadec Islands.
IDC III 19 02 06 35.0–6.1 29.47S 179.38W 0 3.3,3.3b
¶610546485
IDC Error ellipse: s-maj=336.7km s-min=88.1km az=166.0.
IDC III 21 03 36 30.8–1.4 29.86S 179.07W 338–15 3.8,2.6b
¶610543374
IDC Error ellipse: s-maj=41.6km s-min=25.6km az=109.0.
ISC III 23 06 09 25.8–.52 28.82S–.05 178.3W–.10 200 3.8b 66 1-152
IDC III 23 06 09 27.4–.82 28.39S 178.32W 198–8 4.3,3.8s ¶610471012
ISC Event type ke.
IDC Error ellipse: s-maj=17.2km s-min=16.3km az=163.0.
IDC III 24 12 54 40.7–8.1 31.94S 179.98E 376–95 3.6,2.8b
¶610543599
IDC Error ellipse: s-maj=106.0km s-min=44.5km az=2.0.
ISC III 25 17 52 40.9–1.7 30.9S–.10 179.1W–.30 450 40 7-149
IDC III 25 17 52 41.7–8.4 30.83S 179.74W 427–98 3.7,2.7b ¶610543658
WEL III 25 17 54 17.7 38S–20 178E–19 75–25 2.7L,2.5
ISC Event type ke.
WEL smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID
smi:org.gfz-potsdam.de/geofon/nz3drx. automatic.
ISC III 26 23 15 17.7–.72 31.88S–.07 179.6W–.20 150 4.1b 21 3-146
NEIC III 26 23 15 18.7–2.6 31.86S–.09 179.5W–.20 160–14 4.2b ¶610543755
IDC III 26 23 15 20.9–3.4 31.78S 179.67W 196–29 4.2,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=28.0km s-min=10.6km az=105.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=34.5km s-min=20.2km az=68.0.
ISC III 27 06 07 48.7–.59 27.58S–.06 178.3W–.10 350 3.9b 44 2-166
IDC III 27 06 07 50.2–1.4 27.31S 178.69W 334–13 4.3,3.6b ¶610471029
ISC Event type ke.
IDC Error ellipse: s-maj=23.6km s-min=19.3km az=74.0.
ISC III 29 01 21 35.5–1.2 31.70S–.08 178.2W–.20 10 4.4b 23 2-150
NEIC III 29 01 21 35.6–2.2 31.74S–.08 178.06W–.05 10–2 4.2b ¶610543883
IDC III 29 01 21 35.0–1.6 31.63S 178.14W 0 4.2,4.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.9km s-min=7.5km az=175.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=38.9km s-min=35.0km az=58.0.
ISC III 29 12 44 40.2–.40 28.81S–.06 176.60W–.06 36 4.8b,4.2s 98 1-164
IDC III 29 12 44 35.0–.52 28.63S 176.59W 0 4.7L,4.4 ¶610471037
NEIC III 29 12 44 41.1–1.2 28.63S–.10 176.76W–.05 35–1 4.8b,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 30 18 01 56.6–.44 31.77S–.06 179.97W–.08 450 4.3b 195 3-163
NEIC III 30 18 01 55.8–1.4 31.8S–.10 179.8E–.20 421–8 4.4b ¶610458962
NOU III 30 18 01 56.5 31.72S 179.97W 447 4.4b
IDC III 30 18 01 57.0–1.1 31.58S 179.73E 432–11 4.7,3.8b
WEL III 30 18 02 00.8–.59 32S–6.0 180W–15 370–9 5.4,5.3L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Kermadec Islands Region.
WEL smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC III 31 03 09 14.3–.86 31.89S–.08 179.8W–.10 350 61 3-150
IDC III 31 03 09 14.8–1.0 31.78S 179.94E 331–14 3.9,2.7b ¶610471050
WEL III 31 03 09 19.3–.57 32S–7.0 180W–16 277–12 4.7L,4.6
ISC Event type ke.
WEL smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC III 31 16 34 36.6–1.2 27.48S–.09 178.7W–.10 350 80 2-146
IDC III 31 16 34 35.2–1.4 27.13S 178.65W 351–17 4.1,2.8b ¶610544061
ISC Event type ke.
IDC Error ellipse: s-maj=32.1km s-min=21.9km az=126.0.
WEL IV 03 09 49 57.3–.98 32S–16 180E–29 424–34 4.5L,4.5
¶614543946
WEL smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC IV 03 11 37 29.2–1.2 31.9S–.10 178.9W–.20 250 53 3-146
WEL IV 03 11 37 33.7–.49 32S–8.0 179W–20 33 4.8b,4.7L ¶610651837
IDC IV 03 11 37 34.6–9.5 32.10S 179.45W 260–102 3.5,2.8b
ISC Event type ke.
WEL Error ellipse: s-maj=0.0km s-min=0.0km az=112.2. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=105.0km s-min=50.9km az=179.0.
IDC IV 03 21 34 13.3–1.9 31.25S 177.96W 0 4.0,3.9b
¶610651874
IDC Error ellipse: s-maj=46.0km s-min=37.1km az=67.0.
ISC IV 05 10 21 03.2–1.2 29.0S–.10 176.5W–.10 36 3.9b 10 1-121
IDC IV 05 10 20 58.9–1.5 28.36S 176.90W 0 4.4L,4.0 ¶610651997
ISC Event type ke.
IDC Error ellipse: s-maj=63.8km s-min=20.8km az=134.0.
IDC IV 05 11 41 46.0–7.8 29.46S 176.18W 55–51 3.8,3.5b
¶610652006
IDC Error ellipse: s-maj=171.0km s-min=56.0km az=7.0.
ISC IV 06 03 02 12.1–1.1 28.7S–.20 178.4W–.20 200 3.8b 12 1-164
IDC IV 06 03 02 11.5–.85 28.72S 178.07W 216–5 4.1,3.5b ¶610652045
ISC Event type ke.
IDC Error ellipse: s-maj=29.3km s-min=22.7km az=27.0.
IDC IV 06 17 59 07.4–3.1 28.51S 177.81W 0 4.0s,3.7
¶610652093
IDC Error ellipse: s-maj=60.3km s-min=21.3km az=71.0.
IDC IV 07 04 28 00.8–3.5 28.48S 177.70W 0 3.4,3.4b
¶610652123
IDC Error ellipse: s-maj=137.0km s-min=56.8km az=25.0.
ISC IV 07 12 59 39.7–.74 30.34S–.07 179.3W–.10 350 3.6b 86 2-163
IDC IV 07 12 59 39.7–.67 30.17S 179.44W 330–9 4.3,3.5b ¶610598320
ISC Event type ke.
IDC Error ellipse: s-maj=19.0km s-min=16.3km az=87.0.
ISC IV 07 17 12 17.3–3.0 28.2S–.20 178.0W–.40 10 3.9b,3.5s 12 1-92
NEIC IV 07 17 12 17.5–.99 28.23S–.07 178.0W–.20 10–2 4.1b,3.5s ¶610652169
IDC IV 07 17 12 20.0–6.8 28.42S 178.15W 0 3.8,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=35.2km s-min=11.9km az=82.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=141.6km s-min=18.7km az=53.0.
ISC IV 07 23 36 20.0–.55 30.69S–.05 176.66W–.08 10 4.5b,3.6s 117 2-162
IDC IV 07 23 36 18.6–.65 30.41S 176.56W 0 4.4,4.4b ¶610598324
NEIC IV 07 23 36 20.8–2.5 30.66S–.06 176.7W–.20 9–5 4.4b,4.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 10 19 26 25.2–.64 29.82S–.06 179.25W–.10 320 4.1b 99 1-163
IDC IV 10 19 26 24.9–2.5 29.73S 179.21W 321–27 4.4,3.5b ¶610526824
NEIC IV 10 19 26 25.1–2.2 29.7S–.10 179.2W–.20 320–12 4.1b,3.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 13 11 10 50.1–.68 30.47S–.06 176.46W–.08 10 4.4b,3.5s 105 2-163
IDC IV 13 11 10 48.6–.95 30.41S 176.37W 0 4.7L,4.3 ¶610598354
NEIC IV 13 11 10 50.7–2.9 30.55S–.10 176.32W–.05 10–1 4.6b,4.3
NOU IV 13 11 11 28.1 32.86S 177.40W 110 4.5b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=29.5km s-min=22.9km az=128.0.
NEIC Event type se. Error ellipse: s-maj=16.2km s-min=8.1km az=355.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU South of Kermadec Islands.
ISC IV 13 14 28 02.6–.66 30.31S–.07 179.1W–.10 300 3.3b 91 1-151
IDC IV 13 14 28 03.5–1.3 30.13S 179.31W 316–14 4.3,3.0b ¶610598355
NOU IV 13 14 28 31.4 33.39S 178.49W 354 4.2b,3.0b
ISC Event type ke.
IDC Error ellipse: s-maj=24.1km s-min=18.0km az=116.0.
NOU South of Kermadec Islands.
ISC IV 13 15 48 50.3–1.3 31.64S–.09 178.5E–.10 250 59 4-145
IDC IV 13 15 48 41.1–18 30.97S 179.84E 256–200 3.9,3.0b ¶610652646
WEL IV 13 15 48 54.0–.67 32S–5.0 178E–10 33 5.1L,4.8b
ISC Event type ke.
WEL smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC IV 15 15 13 59.5–.47 28.53S–.06 178.66W–.08 250 4.0b 65 1-165
NEIC IV 15 15 14 01.0–2.5 28.60S–.09 178.6W–.20 264–10 4.1b ¶610528732
IDC IV 15 15 14 01.0–.61 28.41S 178.47W 274–6 4.1,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=23.2km s-min=13.1km az=86.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=19.4km s-min=17.2km az=147.0.
IDC IV 16 01 24 07.6–7.6 30.76S 179.17W 0 3.2,3.2b
¶610652837
IDC Error ellipse: s-maj=315.9km s-min=60.1km az=157.0.
ISC IV 16 09 53 20.1–1.2 29.38S–.08 177.0W–.10 35 3.9b 30 1-164
IDC IV 16 09 53 14.4–1.4 28.79S 177.03W 0 3.9,3.8b ¶610652861
ISC Event type ke.
IDC Error ellipse: s-maj=45.9km s-min=25.9km az=140.0.
WEL IV 17 05 59 17.6–.68 32S–9.0 179W–22 460–12 4.8,4.8L
¶614544670
WEL smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

ISC IV 17 14 13 09.2–1.3 31.66S–.10 179.8W–.20 350 32 3-146
IDC IV 17 14 13 10.9–3.5 31.74S 179.95W 356–30 3.2,2.2b **¶610652928**
WEL IV 17 14 13 11.7–1.1 31S–8.0 179E–14 12 5.0b,4.8L
ISC Event type ke.
WEL smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 17 14 20 47.2–.64 30S–5.0 179E–8.0 33 5.0,4.9L
¶614544695
WEL smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 20 03 04 59.2–1.8 32S–39 180E–46 419–85 4.1b,3.9
¶614544836
WEL smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC IV 21 01 55 38.9–2.5 28.9S–.40 177.5W–.40 50 4.0b 7 1-150
IDC IV 21 01 55 33.8–2.3 28.69S 177.69W 0 3.9,3.9b **¶610653155**
ISC Event type ke.
IDC Error ellipse: s-maj=51.9km s-min=18.2km az=93.0.
ISC IV 21 08 04 08.5–1.1 29.70S–.10 179.5W–.20 400 58 1-163
IDC IV 21 08 04 03.7–8.9 29.17S 179.34W 369–74 4.3,3.2b **¶610653176**
ISC Event type ke.
IDC Error ellipse: s-maj=98.0km s-min=33.0km az=31.0.
ISC IV 22 02 51 13.4–1.1 28.2S–.10 178.1W–.20 10 4.1b 7 1-140
IDC IV 22 02 51 11.8–1.2 28.23S 178.05W 0 3.9,3.9b **¶610653238**
ISC Event type ke.
IDC Error ellipse: s-maj=29.2km s-min=20.3km az=71.0.
ISC IV 23 14 04 25.0–.63 31.85S–.06 179.8W–.10 350 4.1b 121 3-161
IDC IV 23 14 04 21.1–4.2 31.43S 179.83W 308–36 4.6,4.0b **¶610598436**
NEIC IV 23 14 04 22.4–2.2 31.67S–.09 179.9W–.20 316–10 4.2b,4.0b
WEL IV 23 14 04 27.3–.90 32S–7.0 179W–15 334–15 4.9L,4.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC IV 23 21 39 39.3–.92 28.5S–.10 178.1W–.20 200 3.2b 15 1-165
IDC IV 23 21 39 39.0–.76 28.49S 178.28W 190–6 3.7,3.0b **¶610649833**
ISC Event type ke.
IDC Error ellipse: s-maj=27.5km s-min=20.4km az=73.0.
ISC IV 24 03 09 51.7–1.8 27.0S–.20 177.9W–.30 202 3.6b 9 10-151
IDC IV 24 03 09 55.0–10 26.85S 178.09W 221–71 4.1,3.5b **¶610649853**
ISC Event type ke.
IDC Error ellipse: s-maj=102.3km s-min=26.5km az=133.0.
ISC IV 25 10 26 20.4–1.9 31.1S–.10 179.8W–.20 400 62 2-145
IDC IV 25 10 26 21.7–8.4 31.11S 179.91E 411–98 3.7,2.7b **¶610649981**
WEL IV 25 10 26 26.4–1.0 31S–8.0 180W–17 300–22 4.8L,4.8
ISC Event type ke.
WEL smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC IV 30 03 29 24.8–1.2 31.17S–.09 179.8W–.20 400 32 3-145
IDC IV 30 03 29 28.0–8.0 31.33S 179.73E 442–97 3.8,2.6b **¶610650379**
WEL IV 30 03 29 32.3–.71 32S–8.0 180W–16 333 4.9L,4.9
ISC Event type se.
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC IV 30 12 22 46.1–.50 28.95S–.04 175.88W–.04 23–3 5.1b,4.9s 627 2-167
BJI IV 30 12 22 42.7–.00 28.66S 175.48W 13 5.7b,5.1b **¶611833699**
NEIC IV 30 12 22 44.2–2.5 28.7S–.10 175.78W–.09 10–1 5.2b,5.1b
MOS IV 30 12 22 44.4–1.3 28.68S 176.16W 10 5.3b,5.1b
NOU IV 30 12 22 48.8 29.23S 175.81W 48 5.1b,5.1b
GCMT IV 30 12 22 49.2–.10 28.72S–.01 175.81W–.01 13–0 5.4W,5.1b
IDC IV 30 12 22 52.2–1.4 28.62S 176.27W 62–11 4.9s,4.8
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.5km s-min=11.0km az=151.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=11.2km s-min=9.6km az=37.5.
NOU Kermadec Islands Region.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s114,c207; s148,c281;Duration: 1s2
Moment tensor: Scale 10^{17}Nm; M_{rr}-1.33±.02 $M_{\theta\theta}$-0.04±.01; $M_{\phi\phi}$1.37±.02; $M_{r\theta}$-0.18±.04; $M_{\theta\phi}$0.34±.01; $M_{\phi r}$-0.22±.03; Best double couple: NP1:ϕ_s19.00000°,δ51.00000°,λ-82.00000°. NP2:ϕ_s187.00000°,δ40.00000°,λ-99.00000°. Principal axes: T 1.4720,Plg5.0000° ,Azm103.0000°; N -0.1060,Plg6.0000°,Azm194.0000°; P -1.3670,Plg82.0000° ,Azm331.0000° $M_0$1.41900$\times 10^{17}$
IDC Error ellipse: s-maj=14.0km s-min=9.9km az=166.0.
ISC IV 30 12 32 02.9–1.3 28.0S–.30 176.5W–.30 10 3.8b 9 2-150
IDC IV 30 12 32 02.3–1.6 27.98S 176.54W 0 3.8,3.8b **¶610598493**
ISC Event type ke.
IDC Error ellipse: s-maj=63.1km s-min=23.5km az=141.0.
ISC IV 30 16 22 23.2–.85 29.2S–.20 175.9W–.10 35 4.4b 27 2-164
NEIC IV 30 16 22 16.5–.98 29.4S–.20 175.47W–.09 10–2 4.5b **¶610598494**
IDC IV 30 16 22 29.8–3.3 28.78S 176.32W 76–25 4.1,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=34.3km s-min=10.4km az=195.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=47.3km s-min=29.4km az=158.0.
ISC IV 30 23 14 30.2–.44 30.51S–.07 179.05W–.09 200 4.5b 107 2-170
IDC IV 30 23 14 31.9–1.4 30.23S 179.02W 212–12 4.6,4.1b **¶611833693**
NEIC IV 30 23 14 31.2–.98 30.4S–.10 179.0W–.20 198–15 4.6b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 01 08 42 33.0–1.9 31.3S–.10 180.0E–.30 400 3.1b 7 7-145
IDC V 01 08 42 30.1–5.2 31.06S 179.91W 371–48 3.7,2.8b **¶610689288**
ISC Event type ke.
IDC Error ellipse: s-maj=52.2km s-min=28.4km az=37.0.
ISC V 02 02 55 19.0–1.3 30.3S–.10 180.0W–.20 350 22 2-163
IDC V 02 02 55 16.3–7.6 30.29S 179.61W 345–64 4.0,3.0b **¶610689360**
ISC Event type ke.
IDC Error ellipse: s-maj=75.7km s-min=34.1km az=37.0.
IDC V 03 15 08 13.7–3.4 31.79S 178.47W 0 3.8,3.8b
¶610689487
IDC Error ellipse: s-maj=72.6km s-min=49.0km az=114.0.
IDC V 04 13 37 26.7–47 29.80S 179.64W 0 3.7,3.7b
¶610689547
IDC Error ellipse: s-maj=845.6km s-min=164.2km az=96.0.
ISC V 05 15 45 37.4–.87 30.1S–.10 179.0W–.20 350 3.2b 28 1-150
IDC V 05 15 45 38.2–1.4 29.63S 179.66W 326–14 3.9,3.0b **¶610689616**
ISC Event type ke.
IDC Error ellipse: s-maj=27.0km s-min=24.9km az=17.0.
WEL V 09 05 47 11.4–1.9 32S–33 179E–44 309–73 4.3b,4.2L
¶614545658
WEL smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL V 09 15 19 13.0–1.0 32S–18 180E–48 378–27 4.3L,4.3
¶614545680
WEL smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL V 10 00 06 41.3–1.0 31S–8.0 180W–17 393–19 4.8L,4.8
¶614545702
WEL smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC V 10 12 09 07.2–1.1 30.88S–.10 180.0E–.20 300 38 2-145
IDC V 10 12 09 09.8–9.0 31.11S 179.81W 346–101 3.6,2.6b **¶610689966**
WEL V 10 12 09 10.9–1.1 31S–11 179W–27 279–20 4.8,4.7L
ISC Event type ke.
WEL smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC V 12 00 46 57.0–.28 27.77S–.03 176.68W–.04 47–2 5.8b,5.2s 1479 2-174
BJI V 12 00 46 49.1–.00 27.38S 176.30W 8 5.7b,5.5b **¶611600167**
NEIC V 12 00 46 51.8 27.63S 176.43W 46 5.7b,5.5b
NEIC V 12 00 46 51.8 27.73S 176.54W 46 5.7b,5.5b
NOU V 12 00 46 52.4 28.08S 176.11W 41 5.5L,5.5b
MOS V 12 00 46 53.3–.88 27.62S 177.00W 24 6.0b,5.0s
IDC V 12 00 46 56.7–1.3 27.56S 177.03W 38–9 5.4,5.2b
NEIC V 12 00 46 56.7–3.0 27.68S–.05 176.59W–.08 40–1 5.8b,5.6
GCMT V 12 00 46 58.7–.10 27.69S–.01 176.78W–.01 46–0 5.6W,5.6
BGR V 12 00 46 59.9 27.63S 176.88W 33 5.0s,5.6
ISC Event type ke.
NEIC Event type se. Moment Tensor Solution.Duration: 3s3 Moment tensor: Scale 10^{17}Nm; M_{rr}3.08 $M_{\theta\theta}$-3.00 $M_{\phi\phi}$-0.07 $M_{r\theta}$-0.42 $M_{\theta\phi}$0.62 $M_{\phi r}$-1.44 NP1:ϕ_s260.47000°,δ50.35000° ,λ60.48000°. NP2:ϕ_s122.06000°,δ47.93000°,λ120.74000°. Principal axes: T 3.6922,Plg68.0000°,Azm104.0000°; N -0.5588,Plg22.0000°,Azm280.0000° ; P -3.1334,Plg1.0000°,Azm11.0000° $M_0$3.41000$\times 10^{17}$
NEIC Event type se.
NOU Kermadec Islands Region.
MOS Error ellipse: s-maj=8.6km s-min=7.7km az=117.2.
IDC Error ellipse: s-maj=11.7km s-min=11.0km az=53.0.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=8.7km az=92.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s155,c279; s152,c295;Duration: 1s6
Moment tensor: Scale 10^{17}Nm; M_{rr}2.88±.04 $M_{\theta\theta}$-3.08±.03; $M_{\phi\phi}$0.20±.03; $M_{r\theta}$-0.23±.04; $M_{\theta\phi}$1.04±.03; $M_{\phi r}$-1.84±.03; Best double couple: NP1:ϕ_s132.00000°,δ54.00000°,λ126.00000°. NP2:ϕ_s261.00000°,δ49.00000°,λ51.00000°. Principal axes: T 3.8850,Plg61.0000° ,Azm102.0000°; N -0.4820,Plg28.0000°,Azm289.0000°; P -3.3970,Plg3.0000° ,Azm198.0000° $M_0$3.64100$\times 10^{17}$
BGR Event type ke.
ISC V 13 08 44 24.2–.91 27.4S–.10 176.4W–.20 100 4.4b 37 2-152
IDC V 13 08 44 30.6–3.2 27.17S 177.10W 97–25 4.3,4.0b **¶610690183**
ISC Event type ke.
IDC Error ellipse: s-maj=30.7km s-min=22.3km az=54.0.
WEL V 13 16 19 48.2–.00 30S–7.0 179E–9.0 33 5.1L,4.9b
¶614545844
WEL smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC V 13 23 14 22.8–7.9 31.04S 179.00W 0 3.3,3.3b
¶610690222
IDC Error ellipse: s-maj=334.8km s-min=60.3km az=157.0.
WEL V 19 04 47 36.9–1.9 31S–22 179E–30 375–69 4.8L,4.7
¶614546071
WEL smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC V 21 20 48 28.5–1.8 27.3S–.20 176.8W–.40 35 7 2-149
IDC V 21 20 48 24.7–2.0 27.13S 176.93W 0 4.6L,3.2 **¶610685101**
ISC Event type ke.
IDC Error ellipse: s-maj=64.3km s-min=37.4km az=119.0.
ISC V 22 16 37 44.1–1.3 31.46S–.09 178.0W–.30 10 4.0b 15 2-146
IDC V 22 16 37 41.3–2.9 31.56S 177.54W 0 3.8,3.7b **¶610685168**
NEIC V 22 16 37 45.2–.47 31.42S–.03 177.8W–.20 10–2 4.3b,3.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC V 23 17 38 27.8–8.7 31.62S 179.96E 353–98 3.6,2.7b
¶610685236
IDC Error ellipse: s-maj=105.8km s-min=40.1km az=4.0.
ISC V 25 18 32 02.1–.60 28.92S–.06 178.3W–.10 200 3.9b 86 0-153
IDC V 25 18 32 00.7–.65 28.29S 178.14W 188–6 4.2,3.6b **¶610685385**
NEIC V 25 18 32 01.4–.88 28.3S–.10 178.2W–.10 189–6 4.2b,3.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 26 07 02 33.2–.91 31.77S–.07 178.7W–.10 300 4.3b 98 3-150
WEL V 26 07 02 34.1–.77 32S–8.0 178W–19 275–11 5.2,5.0b **¶612489825**
NOU V 26 07 02 38.0 32.11S 178.57W 307 4.4b,5.0b
IDC V 26 07 02 42.8–5.8 30.37S 179.93E 304–38 4.8,4.1b
ISC Event type ke.
WEL Error ellipse: s-maj=0.0km s-min=0.0km az=111.3. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU South of Kermadec Islands.
IDC Error ellipse: s-maj=140.3km s-min=29.6km az=156.0.
IDC V 26 20 27 32.8–5.2 29.40S 176.98W 0 3.4,3.4b
¶610685451
IDC Error ellipse: s-maj=270.2km s-min=78.7km az=164.0.
WEL V 27 07 49 17.0–4.4 32S–23 179W–25 405–74 4.9,4.8b
¶614546642
WEL smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL V 28 03 16 23.2–.72 32S–6.0 179E–12 33 5.0b,5.0L
¶614546718
WEL smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC V 28 06 33 46.3–3.3 31.71S 178.56W 0 3.5,3.4b
¶610685543
IDC Error ellipse: s-maj=74.3km s-min=49.3km az=114.0.
IDC V 29 00 29 56.9–2.7 28.57S 177.32W 0 3.6,3.6b
¶610685577
IDC Error ellipse: s-maj=40.8km s-min=26.4km az=97.0.
IDC V 31 04 34 40.5–2.4 28.73S 177.57W 0 3.6,3.6b
¶610685764
IDC Error ellipse: s-maj=35.7km s-min=21.5km az=88.0.
WEL V 31 08 05 39.5–1.5 31S–12 179W–24 411–25 4.7L,4.6
¶614563298
WEL smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC VI 01 05 50 44.0–.40 30.73S–.03 179.08W–.07 218–3 4.6b 424 2-170
NEIC VI 01 05 50 45.5–1.4 30.42S–.09 179.2W–.10 218–6 4.5b **¶611834025**
IDC VI 01 05 50 46.2–1.1 30.20S 179.08W 227–9 4.7,4.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.7km s-min=6.9km az=135.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=14.2km s-min=11.8km az=154.0.
ISC VI 03 08 53 00.6–1.5 32.0S–.10 178.7W–.20 10 4.3b 7 7-146
IDC VI 03 08 52 57.8–2.1 31.85S 178.37W 0 4.0,4.0b **¶610791165**
ISC Event type ke.
IDC Error ellipse: s-maj=49.2km s-min=36.6km az=65.0.
ISC VI 04 01 28 58.5–.48 29.65S–.06 179.2W–.10 200 4.1b 84 1-151
IDC VI 04 01 28 59.9–.39 29.47S 178.79W 222–4 4.4,3.8b **¶610760913**
ISC Event type ke.
IDC Error ellipse: s-maj=19.2km s-min=13.7km az=83.0.
ISC VI 05 01 38 32.4–.87 30.3S–.10 179.1W–.20 400 41 1-151
IDC VI 05 01 38 33.2–1.4 30.07S 179.69W 381–18 4.1,3.2b **¶610791261**
ISC Event type ke.
IDC Error ellipse: s-maj=45.5km s-min=26.0km az=150.0.
WEL VI 05 09 05 39.2–1.7 31S–15 179W–23 407–22 4.9L,4.7
¶614547248
WEL smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC VI 05 22 53 51.3–2.9 31.93S 178.15W 0 3.8s,3.7
¶610791304
IDC Error ellipse: s-maj=72.9km s-min=45.8km az=125.0.
ISC VI 06 13 48 24.8–.77 28.62S–.10 176.9W–.10 50 4.3b,3.7s 37 1-165
IDC VI 06 13 48 19.1–1.2 28.20S 177.14W 0 4.0,4.0b **¶610760920**
NEIC VI 06 13 48 20.6–2.2 28.2S–.10 176.7W–.20 35–2 4.5b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VI 06 18 45 06.4–10.0 31.10S 179.24W 44–73 3.9,3.7b
¶610791349

IDC Error ellipse: s-maj=80.0km s-min=29.7km az=49.0.
ISC VI 07 06 07 52.5–.70 31.75S–.06 178.6W–.10 50 4.3b,3.7s 84 3-161
IDC VI 07 06 07 53.7–1.5 31.62S 178.67W 66–17 4.3,3.9b ¶610791378
ISC Event type ke.
IDC Error ellipse: s-maj=24.2km s-min=11.4km az=108.0.
ISC VI 07 17 00 54.4–.65 30.96S–.08 179.3W–.10 200 4.0b 48 2-152
NEIC VI 07 17 00 51.5–.70 31.1S–.10 179.1W–.20 172–7 4.1b ¶610760924
IDC VI 07 17 00 53.4–3.3 31.05S 179.02W 198–29 4.2,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=24.7km s-min=12.3km az=112.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=31.8km s-min=24.0km az=125.0.
ISC VI 09 08 38 08.4–2.5 29.0S–.20 177.7W–.30 300 28 9-144
IDC VI 09 08 37 39.7–5.8 27.57S 178.30W 0 3.8L,3.7 ¶610791521
ISC Event type ke.
IDC Error ellipse: s-maj=111.0km s-min=55.8km az=77.0.
IDC VI 11 20 39 21.1–2.6 27.46S 177.15W 0 3.7,3.7b
¶610791676
IDC Error ellipse: s-maj=60.7km s-min=38.0km az=97.0.
IDC VI 15 09 26 10.2–48 29.11S 178.70E 0 3.5,3.5b
¶610791932
IDC Error ellipse: s-maj=845.3km s-min=150.0km az=95.0.
IDC VI 15 11 00 22.8–8.4 30.88S 179.44W 450–102 3.6,2.5b
¶610791938
IDC Error ellipse: s-maj=97.1km s-min=42.4km az=8.0.
IDC VI 18 03 38 10.4–10 31.00S 179.11W 116–103 3.8,3.3b
¶610792092
IDC Error ellipse: s-maj=84.6km s-min=54.1km az=175.0.
IDC VI 19 03 49 32.4–3.0 31.68S 179.60W 0 3.5,3.5L
¶610792161
IDC Error ellipse: s-maj=67.8km s-min=45.4km az=104.0.
IDC VI 19 10 29 56.8–2.2 31.79S 178.47W 0 3.8,3.7b
¶610792182
IDC Error ellipse: s-maj=50.3km s-min=44.4km az=70.0.
ISC VI 19 15 58 35.2–2.5 31.24S–.10 177.5W–.40 27 4.2b 16 2-146
NEIC VI 19 15 58 31.8–1.9 31.21S–.06 177.1W–.20 10–2 4.4b ¶610792199
IDC VI 19 15 58 32.0–2.6 31.22S 177.38W 0 3.9,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=30.6km s-min=10.7km az=90.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=62.8km s-min=31.5km az=110.0.
ISC VI 22 05 15 12.6–.40 28.80S–.05 178.87W–.08 350 4.3b 163 1-168
IDC VI 22 05 15 12.8–1.1 28.61S 179.00W 346–10 4.6,3.8b ¶616652113
NOU VI 22 05 15 12.5 29.00S 178.40W 383 4.6b,3.8b
NEIC VI 22 05 15 13.9–2.0 28.9S–.10 179.1W–.20 347–7 4.4b,3.8b
ISC Event type se.
NOU Kermadec Islands, New Zealand.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 22 21 44 25.8–.83 31.7S–.10 177.9W–.10 35 4.1b 23 8-146
IDC VI 22 21 44 21.5–3.2 31.52S 177.94W 0 4.1,4.1b ¶610789297
NEIC VI 22 21 44 22.8–.85 31.79S–.09 177.9W–.20 10–1 4.3b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 22 22 17 45.3–.72 30.84S–.08 179.7E–.10 500 4.1b 107 3-151
IDC VI 22 22 17 42.6–2.8 30.66S 179.64E 456–29 4.2,2.9b ¶610760987
NEIC VI 22 22 17 42.9–1.3 30.7S–.10 179.7E–.20 457–11 4.2b,2.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VI 23 12 52 42.0–7.8 31.39S 179.96E 500–103 3.9,2.7b
¶610789343
IDC Error ellipse: s-maj=116.8km s-min=41.9km az=7.0.
ISC VI 24 18 23 57.3–1.6 27.1S–.20 175.9W–.20 31 4.3b 18 3-152
NEIC VI 24 18 23 51.0–1.6 26.7S–.10 175.45W–.07 10–1 4.4b ¶611151113
IDC VI 24 18 24 13.0–6.5 25.44S 179.06W 0 3.7,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.8km s-min=9.8km az=161.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=350.8km s-min=71.6km az=158.0.
ISC VI 25 08 17 05.1–1.5 30.08S–.09 179.4W–.20 300 3.4b 11 9-151
IDC VI 25 08 17 03.7–2.8 30.09S 178.91W 323–22 4.0,3.1b ¶610789432
ISC Event type ke.
IDC Error ellipse: s-maj=33.0km s-min=28.3km az=127.0.
ISC VI 26 03 07 13.0–.83 28.48S–.09 176.43W–.09 10 4.2b,3.9s 37 2-156
IDC VI 26 03 07 10.9–1.4 28.30S 176.44W 0 4.1,4.0b ¶610761000
NEIC VI 26 03 07 13.5–1.2 28.4S–.10 176.7W–.10 10–1 4.4b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 26 17 07 18.4–.95 28.14S–.09 177.9W–.20 300 13 1-152
IDC VI 26 17 07 20.1–1.0 27.98S 178.13W 279–11 4.0,2.8b ¶610789522
ISC Event type se.
IDC Error ellipse: s-maj=32.5km s-min=30.4km az=39.0.
IDC VI 28 19 58 39.9–4.0 28.33S 177.82W 0 3.8,3.8b
¶610789666
IDC Error ellipse: s-maj=78.3km s-min=21.2km az=71.0.
ISC VI 29 07 03 11.3–.19 31.13S–.03 179.99E–.03 412–1 5.5b 1766 3-171
MOS VI 29 07 03 09.8–.78 31.08S 179.93E 406 5.5b ¶615092744
NEIC VI 29 07 03 10.7 31.12S 179.91E 401 5.5b
BJI VI 29 07 03 10.0–.00 31.10S 180.00E 406 5.6b,5.2b
NEIC VI 29 07 03 11.9 30.82S 179.73W 410 5.6b,5.2b
NOU VI 29 07 03 11.4 31.16S 179.83W 413 5.5L,5.2b
NEIC VI 29 07 03 11.0–1.7 31.13S–.08 179.9E–.10 405–3 6.0,6.0
NEIC VI 29 07 03 11.9 31.12S 179.92E 413 6.0,6.0
IDC VI 29 07 03 12.4–.31 31.04S 180.00W 424–2 5.8,5.0b
BGR VI 29 07 03 12.2 31.05S 178.20W 444–11 5.8,5.0b
WEL VI 29 07 03 12.6–2.1 31S–21 180W–16 393–30 6.9,6.5
GCMT VI 29 07 03 16.0–.10 30.93S–.01 179.92W–.01 410–0 6.0W,6.5
ISC Event type ke.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 5s4 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.32 $M_{\theta\theta}$-0.80 $M_{\phi\phi}$1.12 $M_{r\theta}$-0.78 $M_{\theta\phi}$0.01 $M_{\phi r}$-0.78 NP1:ϕ_s39.98000°,δ81.97000°,λ-50.41000°. NP2:ϕ_s139.57000°,δ40.26000°,λ-167.51000°. Principal axes: T 1.5151,Plg26.0000°,Azm100.0000°; N -0.0496,Plg39.0000°,Azm213.0000°; P -1.4655,Plg40.0000°,Azm346.0000° $M_0$1.49000×10^{18}
NOU Kermadec Islands Region.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-0.58 $M_{\theta\theta}$-0.17 $M_{\phi\phi}$0.76 $M_{r\theta}$-0.74 $M_{\theta\phi}$-0.13 $M_{\phi r}$-0.72 NP1:ϕ_s148.33000°,δ28.28000°,λ-149.55000°. NP2:ϕ_s30.96000°,δ76.11000°,λ-65.12000°. Principal axes: T 1.1055,Plg27.0000°,Azm101.0000°; N 0.2509,Plg24.0000°,Azm205.0000°; P -1.3564,Plg52.0000°,Azm330.0000° $M_0$1.25000×10^{18}
NEIC Event type se.
BGR Event type ke.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to mantle waves, cutoff=125s. Triangular moment-rate function. Moment Tensor Solution. s166,c362; s134,c168; Duration: 2s6 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.46±.01 $M_{\theta\theta}$-0.77±.01; $M_{\phi\phi}$1.23±.01; $M_{r\theta}$-0.74±.01; $M_{\theta\phi}$-0.06±.01; $M_{\phi r}$-0.65±.01; Best double couple: NP1:ϕ_s37.00000°,δ77.00000°,λ-47.00000°. NP2:ϕ_s140.00000°,δ45.00000°,λ-162.00000°. Principal axes: T 1.4680,Plg20.0000°,Azm96.0000°; N -0.0160,Plg42.0000°,Azm205.0000°; P -1.4500,Plg41.0000°,Azm347.0000° $M_0$1.45900×10^{18}
ISC VI 29 07 19 52.7–.51 31.09S–.06 179.92W–.08 400 4.1b 113 3-162
NOU VI 29 07 19 51.9 31.24S 179.01W 460 4.3b ¶615092745
IDC VI 29 07 19 54.1–1.1 30.99S 179.89E 418–11 4.5,3.5b
WEL VI 29 07 19 56.8–1.6 31S–9.0 179W–21 371–27 5.3,5.3
ISC Event type ke.
NOU Kermadec Islands Region.
WEL smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL VI 29 07 26 15.6–2.1 32S–23 180W–27 450–53 4.4L,4.2b
¶614548301
WEL smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL VI 29 08 04 56.4–1.9 32S–32 179E–52 468–76 4.3L,4.2
¶614548302
WEL smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

(178) Kermadec Islands.

IDC I 02 07 40 01.9–2.4 30.48S 177.38W 0 3.7,3.7b
¶610236448
IDC Error ellipse: s-maj=71.4km s-min=37.4km az=135.0.
ISC I 02 19 20 54.5–2.3 30.8S–.20 177.3W–.40 27 3.9b 7 9-152
IDC I 02 19 20 51.3–2.2 30.81S 177.45W 0 3.8,3.7b ¶610236507
ISC Event type ke.
IDC Error ellipse: s-maj=57.1km s-min=34.0km az=125.0.
IDC I 03 01 50 43.5–2.2 30.68S 177.60W 0 3.8,3.7b
¶610236525
IDC Error ellipse: s-maj=63.1km s-min=33.8km az=123.0.
ISC I 03 03 42 20.9–1.6 29.2S–.40 177.5W–.40 35 3.9b 7 35-164
IDC I 03 03 42 18.7–1.7 30.03S 177.67W 0 3.8,3.8b ¶610236530
ISC Event type ke.
IDC Error ellipse: s-maj=74.0km s-min=40.4km az=177.0.
IDC I 05 11 53 19.6–2.8 30.47S 177.30W 0 3.9,3.6b
¶610236772
IDC Error ellipse: s-maj=68.5km s-min=33.5km az=112.0.
ISC I 06 13 38 42.0–.93 30.74S–.09 178.7W–.20 150 3.8b 33 2-158
NEIC I 06 13 38 41.3–1.2 30.8S–.10 178.4W–.20 153–12 4.0b ¶610236836
IDC I 06 13 38 46.6–12 30.95S 178.76W 180–130 3.9,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=27.6km s-min=15.1km az=97.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=115.2km s-min=33.4km az=172.0.
ISC I 07 08 11 19.7–1.6 30.5S–.10 178.4W–.30 10 4.3b 8 9-151
IDC I 07 08 11 18.0–1.5 30.41S 178.39W 0 4.3,4.3b ¶610236885
ISC Event type ke.
IDC Error ellipse: s-maj=37.1km s-min=31.5km az=56.0.
ISC I 14 18 19 32.6–.57 30.04S–.05 177.60W–.09 35 4.7b 112 1-159
IDC I 14 18 19 27.1–.99 30.05S 177.41W 0 4.5,4.5b ¶610180882
NEIC I 14 18 19 29.0–2.4 29.99S–.05 177.47W–.10 10–1 4.8b,4.5b
NOU I 14 18 19 41.5 30.43S 177.09W 132 4.5b,4.5b
ISC Event type se.
IDC Error ellipse: s-maj=42.6km s-min=21.2km az=138.0.
NEIC Event type se. Error ellipse: s-maj=15.3km s-min=6.8km az=67.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Kermadec Islands, New Zealand.
ISC I 15 09 29 37.2–.51 30.06S–.05 177.84W–.08 50 4.6b,3.6s 92 1-163
NEIC I 15 09 29 33.0–2.6 30.01S–.06 177.7W–.20 12–6 4.7b,3.6s ¶610097464
IDC I 15 09 29 39.2–.81 29.59S 177.97W 72–5 4.4,4.0b
WEL I 15 09 31 28.4 38S–18 178E–13 47–15 2.6L,2.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID
smi:org.gfz-potsdam.de/geofon/nz3drx. automatic.
ISC I 16 00 41 53.8–.33 30.06S–.04 178.01W–.07 50 4.8b,3.9s 259 1-169
IDC I 16 00 41 45.8–.54 29.65S 177.92W 0 5.3L,4.6 ¶610095193
NEIC I 16 00 41 50.7–2.8 30.17S–.05 177.8W–.10 24–5 4.8b,4.6
GCMT I 16 00 41 57.7–.30 29.81S–.03 177.86W–.02 53–3 5.0W,4.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s24,c26; s75,c95;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.87±.21 $M_{\theta\theta}$-3.11±.18; $M_{\phi\phi}$2.24±.17; $M_{r\theta}$1.05±.13; $M_{\theta\phi}$-0.42±.15; $M_{\phi r}$-1.98±.12; Best double couple: NP1:ϕ_s126.00000°,δ76.00000°,λ142.00000°. NP2:ϕ_s227.00000°,δ54.00000°,λ18.00000°. Principal axes: T 3.7830,Plg36.0000°,Azm80.0000°; N -0.4110,Plg50.0000°,Azm289.0000°; P -3.3710,Plg14.0000°,Azm181.0000° $M_0$3.57700×10^{16}
IDC I 17 02 06 15.2–7.3 30.47S 177.55W 0 3.5,3.5b
¶610237558
IDC Error ellipse: s-maj=308.0km s-min=54.6km az=155.0.
IDC I 18 05 20 02.6–2.9 30.76S 177.75W 0 4.1b,4.0
¶610237643
IDC Error ellipse: s-maj=66.5km s-min=35.5km az=117.0.
ISC I 19 11 14 47.3–.68 30.14S–.06 178.5W–.10 200 3.8b 47 1-145
IDC I 19 11 14 47.0–2.9 29.98S 178.42W 200–26 4.3,3.5b ¶610237723
ISC Event type ke.
IDC Error ellipse: s-maj=31.3km s-min=18.5km az=130.0.
IDC I 19 11 17 47.7–3.0 30.50S 178.35W 0 4.1,4.1b
¶610237724
IDC Error ellipse: s-maj=113.3km s-min=36.7km az=148.0.
ISC I 21 06 34 26.8–.74 30.43S–.07 179.0W–.20 300 61 1-152
IDC I 21 06 34 25.9–4.6 30.39S 178.46W 300–38 4.5 ¶610180901
ISC Event type ke.
IDC Error ellipse: s-maj=76.2km s-min=31.7km az=83.0.
ISC I 23 19 38 21.0–.68 30.52S–.07 179.0W–.10 200 4.1b 57 8-163
IDC I 23 19 38 22.9–2.5 30.50S 178.91W 219–21 4.4,3.9b ¶610180910
ISC Event type ke.
IDC Error ellipse: s-maj=21.2km s-min=18.8km az=134.0.
ISC I 25 15 44 27.6–.94 30.37S–.06 177.4W–.10 10 4.3b 35 1-163
IDC I 25 15 44 26.3–1.1 30.22S 177.11W 0 4.0,4.0b ¶610235331
NEIC I 25 15 44 28.3–1.4 30.25S–.07 177.3W–.10 10–2 4.5b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 28 08 02 09.6–2.5 30.42S–.08 177.1W–.30 24 3.8b 8 1-145
IDC I 28 08 02 06.8–2.5 30.34S 177.14W 0 3.8,3.7b ¶610235545
ISC Event type ke.
IDC Error ellipse: s-maj=49.9km s-min=24.1km az=87.0.
IDC I 28 11 08 15.3–2.7 30.31S 177.19W 0 3.4,3.4b
¶610235553
IDC Error ellipse: s-maj=57.1km s-min=30.9km az=79.0.
ISC I 29 14 59 51.6–.33 30.23S–.03 177.33W–.04 21–2 5.8s,5.7b 1622 1-176
IDC I 29 14 59 48.9–.31 30.08S 177.48W 0 5.5s,5.3 ¶611831682
BJI I 29 14 59 49.4–.00 30.00S 177.20W 19 6.0b,5.7s
MOS I 29 14 59 49.4–.96 30.15S 177.51W 12 5.9b,5.6s
NEIC I 29 14 59 51 30.37S 176.58W 24 5.9b,5.6s
NEIC I 29 14 59 52.0–1.6 30.09S–.07 177.5W–.10 18–1 5.9,5.8
NOU I 29 14 59 53.4 30.59S 176.85W 51 5.8L,5.8
GCMT I 29 14 59 55.0–.10 30.15S–.01 177.19W 24–0 5.9W,5.8
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s239.74799°,δ41.28670°,λ153.04555°. NP2:ϕ_s350.66055°,δ72.59718°,λ51.94905°. Principal axes: T Plg47.9721°,Azm220.0441°; N Plg36.0257°,Azm3.8363°; P Plg18.6536°,Azm108.0475°
NEIC Event type se. Moment Tensor Solution.Duration: 12s0 Moment tensor: Scale 10^{17}Nm; M_{rr}7.42 $M_{\theta\theta}$-1.34 $M_{\phi\phi}$-6.08 $M_{r\theta}$1.54 $M_{\theta\phi}$-3.72 $M_{\phi r}$4.99 NP1:ϕ_s216.00000°,δ29.00000°,λ103.00000°. NP2:ϕ_s22.00000°,δ62.00000°,λ83.00000°. Principal axes: T 9.0719,Plg72.0000°,Azm276.0000°; N 0.5931,Plg6.0000°,Azm25.0000°; P -9.6649,Plg17.0000°,Azm117.0000° $M_0$9.38000×10^{17}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}3.55 $M_{\theta\theta}$-0.72 $M_{\phi\phi}$-2.82 $M_{r\theta}$1.14 $M_{\theta\phi}$-1.34 $M_{\phi r}$2.30 NP1:ϕ_s205.67000°,δ26.94000°,λ89.55000°. NP2:ϕ_s26.18000°,δ63.07000°

,λ90.23000°. Principal axes: T 4.3817,Plg72.0000°,Azm297.0000°; N -0.0703,Plg0.0000°
,Azm206.0000°; P -4.3114,Plg18.0000°,Azm116.0000° M0 4.35000×10^{17}
NOU Kermadec Islands Region.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s.
Triangular moment-rate function. Moment Tensor Solution. s156,c328; s156,c476;
Duration: 2ş1 Moment tensor: Scale 10^{18}Nm; Mrr0.70±.01 Mθθ-0.04±.00; Mφφ-0.65±.01;
Mrθ0.09±.01; Mθφ-0.20±.00; Mφr0.46±.01; Best double couple: NP1:φs14.00000°,δ62.00000°
,λ87.00000°. NP2:φs200.00000°,δ28.00000°,λ95.00000°. Principal axes:
T 0.8390,Plg73.0000°,Azm277.0000°; N 0.0120,Plg2.0000°,Azm15.0000°
; P -0.8510,Plg17.0000°,Azm106.0000° M0 0.84500×10^{18}
ISC I 29 16 08 29.2–2.0 30.1S–.20 178.1W–.30 10 3.9b 9 1-151
IDC I 29 16 08 29.0–2.5 29.78S 178.27W 0 3.9,3.9b **¶610235657**
ISC Event type ke.
IDC Error ellipse: s-maj=85.6km s-min=15.2km az=136.0.
ISC I 29 16 10 35.2–.84 29.3S–.40 178.50W–.10 10 3.9b 11 1-164
IDC I 29 16 10 33.1–.89 29.11S 178.41W 0 3.8,3.8b **¶610235658**
ISC Event type ke.
IDC Error ellipse: s-maj=53.8km s-min=12.7km az=14.0.
ISC I 29 16 24 31.5–2.2 30.26S–.07 177.4W–.30 10 4.2b 19 1-145
IDC I 29 16 24 30.4–2.8 30.15S 177.43W 0 3.9b,3.8 **¶610235659**
NEIC I 29 16 24 30.7–.99 30.18S–.05 177.3W–.20 10–2 4.4b,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC I 29 18 22 49.7–2.4 30.10S 177.54W 0 3.5,3.5b
¶610235665
IDC Error ellipse: s-maj=42.4km s-min=24.1km az=99.0.
ISC I 29 19 04 14.3–1.0 30.32S–.06 177.5W–.20 10 4.1b 20 1-163
IDC I 29 19 04 12.9–1.1 30.13S 177.30W 0 4.2,4.1b **¶610180924**
ISC Event type ke.
IDC Error ellipse: s-maj=29.8km s-min=18.2km az=66.0.
ISC I 29 19 09 27.1–.95 30.32S–.05 177.6W–.20 10 4.5b,4.0s 37 1-163
IDC I 29 19 09 25.2–1.1 30.09S 177.24W 0 4.6L,4.3 **¶610235667**
NEIC I 29 19 09 27.4–2.9 30.27S–.06 177.5W–.20 10–2 4.5b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 29 23 36 17.6–1.7 30S–1.0 178.7W–.30 150 9 1-151
IDC I 29 23 36 18.0–1.6 29.37S 179.10W 135–28 4.0,3.6b **¶610235676**
ISC Event type ke.
IDC Error ellipse: s-maj=156.2km s-min=33.5km az=159.0.
ISC I 30 05 44 30.6–.84 30.03S–.09 177.4W–.10 35 4.4b 28 1-145
NEIC I 30 05 44 32.6–1.8 29.8S–.10 177.5W–.10 56–8 4.5b **¶610235690**
IDC I 30 05 44 34.3–4.7 29.89S 177.49W 52–37 4.5s,4.3
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.4km s-min=11.2km az=48.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=59.8km s-min=51.1km az=7.0.
IDC I 31 04 07 27.3–7.8 30.12S 177.59W 0 3.5,3.5b
¶610235774
IDC Error ellipse: s-maj=330.7km s-min=54.7km az=156.0.
ISC II 01 11 55 52.0–2.2 30.4S–.10 177.6W–.30 33 3.9b 7 1-152
IDC II 01 11 55 48.0–2.2 30.41S 177.67W 0 3.9,3.9b **¶610414609**
ISC Event type ke.
IDC Error ellipse: s-maj=50.7km s-min=23.8km az=108.0.
ISC II 02 18 01 20.6–.55 29.06S–.06 178.9W–.10 400 4.2b 122 1-164
IDC II 02 18 01 19.9–1.2 28.86S 179.16W 380–11 4.8,3.7b **¶610414691**
NEIC II 02 18 01 24.4–1.1 28.95S–.06 179.4W–.10 411–11 4.2b,3.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 04 22 05 04.3–.38 30.27S–.04 177.59W–.07 33 4.9b,4.1s 176 1-163
IDC II 04 22 04 59.2–.54 30.15S 177.53W 0 4.5,4.5b **¶610243771**
NEIC II 04 22 05 02.0–1.4 30.21S–.05 177.58W–.10 10–1 4.9b,4.5b
GCMT II 04 22 05 06.0–.40 30.19S–.03 177.17W–.04 33–1 5.0W,4.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function. Moment Tensor Solution. s45,c50; s48,c57;Duration: 0
Moment tensor: Scale 10^{16}Nm; Mrr3.68±.24 Mθθ-2.65±.22; Mφφ-1.03±.15; Mrθ-0.15±.23;
Mθφ-2.04±.11; Mφr1.62±.17; Best double couple: NP1:φs37.00000°,δ54.00000°,λ66.00000°.
NP2:φs255.00000°,δ43.00000°,λ120.00000°. Principal axes: T 4.2720,Plg69.0000°
,Azm250.0000°; N -0.1530,Plg20.0000°,Azm52.0000°; P -4.1190,Plg6.0000°,Azm144.0000°
M0 4.19600×10^{16}
IDC II 05 15 01 40.4–2.1 30.89S 178.71W 0 3.8b,3.7
¶610414889
IDC Error ellipse: s-maj=49.5km s-min=36.4km az=62.0.
IDC II 05 17 40 28.1–1.2 29.13S 178.53W 0 3.7,3.7b
¶610414899
IDC Error ellipse: s-maj=105.6km s-min=14.3km az=9.0.
ISC II 08 14 51 25.5–2.6 30.5S–.10 177.7W–.40 10 4.2b 8 1-145
IDC II 08 14 51 26.5–3.1 30.24S 177.90W 0 4.1,4.1b **¶610415128**
ISC Event type ke.
IDC Error ellipse: s-maj=69.4km s-min=21.0km az=115.0.
ISC II 12 21 20 23.3–1.1 30.45S–.08 177.7W–.20 33 4.1b 12 1-163
IDC II 12 21 20 17.5–1.2 30.53S 177.38W 0 4.3,4.3b **¶610415401**
ISC Event type ke.
IDC Error ellipse: s-maj=32.1km s-min=30.6km az=74.0.
IDC II 13 10 38 23.9–1.8 30.32S 178.58W 230–20 3.5,2.7b
¶610415445
IDC Error ellipse: s-maj=59.3km s-min=23.2km az=112.0.
IDC II 17 18 30 16.7–7.0 30.67S 178.20W 0 3.6,3.6b
¶610415719
IDC Error ellipse: s-maj=282.9km s-min=61.5km az=155.0.
IDC II 22 12 17 39.0–3.8 30.82S 178.08W 0 3.6,3.6b
¶610384804
IDC Error ellipse: s-maj=87.8km s-min=25.6km az=120.0.
ISC II 22 12 22 46.3–.66 30.26S–.07 178.6W–.10 200 3.6b 66 1-163
IDC II 22 12 22 47.1–1.3 30.30S 178.62W 215–12 4.0,3.4b **¶610384805**
ISC Event type ke.
IDC Error ellipse: s-maj=26.1km s-min=18.1km az=153.0.
ISC II 22 20 58 47.2–1.0 29.90S–.08 177.0W–.10 24 4.5b,3.6s 42 1-163
IDC II 22 20 58 43.6–1.2 29.78S 177.04W 0 4.3,4.3b **¶610243829**
NEIC II 22 20 58 46.9–.68 29.7S–.30 177.0W–.20 20–9 4.5b,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 23 20 12 25.7–.77 29.92S–.08 177.1W–.10 35 4.4b,3.6s 38 1-163
IDC II 23 20 12 20.8–.88 29.77S 176.95W 0 4.2,4.2b **¶610384897**
NEIC II 23 20 12 26.8–1.5 29.4S–.10 177.40W–.05 20–6 4.5b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 24 16 39 43.2–.27 29.98S–.03 177.09W–.05 24 5.1b,4.8s 510 1-169
NOU II 24 16 39 39.6 30.18S 176.05W 37 5.2b,4.8s **¶615092423**
IDC II 24 16 39 39.9–.46 29.71S 177.10W 0 5.3L,4.7s
NEIC II 24 16 39 41.1–2.9 29.94S–.08 177.0W–.10 10–1 5.1b,4.7s
MOS II 24 16 39 41.6–1.1 29.76S 177.47W 15 5.3b,4.7s
GCMT II 24 16 39 46.1–.20 29.61S–.02 176.77W–.01 20–0 5.2W,4.7s
ISC Event type se.
NOU Kermadec Islands Region.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function. Moment Tensor Solution. s72,c106; s86,c134;Duration: 1ş0
Moment tensor: Scale 10^{16}Nm; Mrr5.82±.20 Mθθ0.61±.17; Mφφ-6.44±.15; Mrθ-0.14±.31;
Mθφ-1.42±.12; Mφr4.58±.31; Best double couple: NP1:φs3.00000°,δ63.00000°,λ82.00000°.
NP2:φs201.00000°,δ28.00000°,λ106.00000°. Principal axes: T 7.3920,Plg71.0000°
,Azm255.0000°; N 0.7560,Plg7.0000°,Azm7.0000°; P -8.1560,Plg18.0000°,Azm99.0000°
M0 7.77400×10^{16}
ISC II 24 16 46 45.2–1.6 29.98S–.09 177.1W–.20 24 10 1-151
IDC II 24 16 46 41.9–2.0 30.03S 177.07W 0 3.9,3.7b **¶610384944**
ISC Event type ke.
IDC Error ellipse: s-maj=42.9km s-min=25.9km az=90.0.
IDC II 25 14 16 13.5–2.4 30.65S 177.32W 211–22 3.7,3.1b
¶610385003
IDC Error ellipse: s-maj=60.6km s-min=28.1km az=3.0.
ISC II 25 14 38 17.6–2.4 30.37S–.09 177.7W–.40 35 4.0b 8 1-145
IDC II 25 14 38 17.6–3.8 30.23S 177.66W 25–19 3.9,3.9b **¶610385006**
ISC Event type ke.
IDC Error ellipse: s-maj=57.6km s-min=22.5km az=99.0.
IDC II 25 21 58 00.4–2.4 29.96S 177.06W 0 3.6,3.6b
¶610385026
IDC Error ellipse: s-maj=54.5km s-min=29.8km az=55.0.
ISC II 27 02 11 29.2–1.7 29.91S–.09 177.2W–.20 10 4.1b 10 1-148
IDC II 27 02 11 27.8–2.2 29.88S 177.18W 0 4.0b,3.9 **¶610385088**
ISC Event type ke.
IDC Error ellipse: s-maj=42.7km s-min=29.9km az=79.0.
ISC II 28 13 10 43.5–1.2 29.91S–.08 177.0W–.20 10 4.6b,3.6s 34 1-151
NEIC II 28 13 10 41.4–1.1 29.2S–.10 176.6W–.10 14–8 4.6b,3.6s **¶610385205**
IDC II 28 13 10 41.5–1.4 29.99S 177.02W 0 4.2b,4.1
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.3km s-min=16.4km az=199.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=32.0km s-min=27.8km az=108.0.
ISC III 02 12 57 53.8–.68 30.41S–.05 177.8W–.10 35 4.6b,3.7s 74 1-163
IDC III 02 12 57 49.2–.67 30.41S 177.87W 0 4.5,4.5b **¶610476268**
NEIC III 02 12 57 58.5–1.3 29.9S–.10 177.7W–.20 82–12 4.6b,4.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC III 04 09 19 56.4–1.7 30.31S 178.53W 134–20 3.7,3.3b
¶610545513
IDC Error ellipse: s-maj=58.4km s-min=29.1km az=115.0.
ISC III 07 09 58 09.9–1.4 30.0S–.20 178.2W–.20 50 3.8b 11 1-169
IDC III 07 09 58 13.0–1.1 29.43S 178.23W 74–11 3.7,3.5b **¶610545725**
ISC Event type ke.
IDC Error ellipse: s-maj=52.7km s-min=27.3km az=164.0.
ISC III 09 12 42 55.5–2.2 30.43S–.08 177.4W–.30 35 3.9b 10 1-152
IDC III 09 12 42 56.1–2.1 30.21S 178.11W 0 4.0,3.8b **¶610545879**
ISC Event type ke.
IDC Error ellipse: s-maj=54.0km s-min=18.1km az=117.0.
ISC III 11 17 10 40.5–.34 30.59S–.03 177.55W–.04 30–1 5.5b,5.3s 1255 1-170
NEIC III 11 17 10 38.2 30.61S 176.95W 46 5.5b,5.3s **¶610470947**
BGR III 11 17 10 38.6 30.89S 176.74W 33 5.3s,5.3s
NEIC III 11 17 10 38.7–1.4 30.52S–.05 177.5W–.10 22–1 5.6,5.6b
BJI III 11 17 10 38.5–.00 30.15S 177.24W 24 5.8b,5.3b
MOS III 11 17 10 38.3–1.2 30.54S 177.68W 21 5.7b,5.2s
NEIC III 11 17 10 38.2 30.61S 177.53W 46 5.7b,5.2s
NEIC III 11 17 10 40.3 30.60S 177.55W 35 5.7b,5.2s
IDC III 11 17 10 40.9–1.9 30.38S 177.74W 27–12 5.0s,5.0
NOU III 11 17 10 43.4 30.82S 177.37W 54 5.6L,5.0
GCMT III 11 17 10 44.7–.10 30.54S–.01 177.53W–.01 37–0 5.7W,5.0
ISC Event type ke. Moment Tensor Solution. NP1:φs40.53839°,δ57.70877°,λ99.74474°. NP2:
φs202.71733°,δ33.57665°,λ75.00627°. Principal axes: T Plg75.2119°,Azm338.5012°
; N Plg8.2262°,Azm215.2964°; P Plg12.2027°,Azm123.5048°
NEIC Event type se. Moment Tensor Solution.Duration: 3ş0 Moment tensor: Scale 10^{17}Nm;
Mrr2.52 Mθθ-0.32 Mφφ-2.20 Mrθ0.27 Mθφ-1.15 Mφr1.11 NP1:φs20.34000°,δ56.77000°
,λ84.31000°. NP2:φs210.63000°,δ33.66000°,λ98.60000°. Principal axes:
T 2.7682,Plg77.0000°,Azm272.0000°; N 0.2050,Plg5.0000°,Azm23.0000°
; P -2.9732,Plg12.0000°,Azm114.0000° M0 2.87000×10^{17}
BGR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{17}Nm; Mrr1.26 Mθθ-0.61 Mφφ-0.66 Mrθ0.61
Mθφ-0.60 Mφr1.04 NP1:φs231.97000°,δ23.80000°,λ106.03000°. NP2:φs34.53000°,δ67.18000°
,λ83.05000°. Principal axes: T 1.7681,Plg67.0000°,Azm292.0000°; N -0.0673,Plg6.0000°
,Azm37.0000°; P -1.7009,Plg22.0000°,Azm130.0000° M0 1.74000×10^{17}
NEIC Event type se.
NEIC Event type se.
NOU Kermadec Islands, New Zealand.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function. Moment Tensor Solution. s147,c282; s149,c278;Duration: 1ş6
Moment tensor: Scale 10^{17}Nm; Mrr2.94±.04 Mθθ0.06±.03; Mφφ-3.00±.03; Mrθ0.24±.05;
Mθφ-1.28±.03; Mφr2.04±.05; Best double couple: NP1:φs12.00000°,δ62.00000°,λ81.00000°.
NP2:φs210.00000°,δ30.00000°,λ106.00000°. Principal axes: T 3.5800,Plg72.0000°
,Azm261.0000°; N 0.4570,Plg8.0000°,Azm16.0000°; P -4.0420,Plg16.0000°,Azm108.0000°
M0 3.81100×10^{17}
ISC III 11 18 18 48.4–1.3 30.48S–.07 177.8W–.20 10 4.0b 19 1-151
IDC III 11 18 18 47.3–2.2 30.36S 177.61W 0 3.8,3.8b **¶610546031**
NEIC III 11 18 18 48.8–1.2 30.4S–.10 177.65W–.05 10–2 4.1b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC III 12 15 07 11.8–4.5 30.84S 178.28W 0 3.3,3.3b
¶610546080
IDC Error ellipse: s-maj=220.9km s-min=51.3km az=160.0.
IDC III 12 17 27 43.4–5.2 29.42S 177.87W 0 3.1,3.1b
¶610546085
IDC Error ellipse: s-maj=252.9km s-min=81.9km az=165.0.
ISC III 13 01 13 10.3–.43 30.43S–.06 177.88W–.09 46 4.8b,3.6s 115 1-163
NOU III 13 01 12 21.2 25.03S 176.13W 187 4.4b,3.6s **¶610470956**
IDC III 13 01 13 03.8–.73 30.52S 177.76W 0 4.5,4.5b
NEIC III 13 01 13 10.2–1.4 30.35S–.08 177.9W–.20 34–6 4.8b,4.5b
ISC Event type se.
NOU South of Fiji Islands.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 14 00 48 41.6–.74 30.24S–.07 177.7W–.10 35 4.3b 26 1-163
IDC III 14 00 48 36.1–1.6 30.35S 177.63W 0 4.0,4.0b **¶610546168**
NEIC III 14 00 48 41.8–2.4 30.20S–.07 177.7W–.10 29–8 4.4b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 14 18 16 51.9–.23 30.37S–.04 177.41W–.04 33 5.2b,4.8s 652 1-169
BJI III 14 18 16 45.4–.00 30.30S 177.00W 5 5.7b,5.1b **¶611832048**
MOS III 14 18 16 48.4–1.1 30.27S 177.47W 15 5.4b,4.9s
NOU III 14 18 16 50.2 30.83S 176.67W 47 5.3b,4.9s
IDC III 14 18 16 51.0–2.1 30.20S 177.47W 20–12 4.8,4.7b
NEIC III 14 18 16 52.2–1.8 30.30S–.07 177.5W–.10 33–3 5.3b,4.7b
GCMT III 14 18 16 54.2–.20 30.25S–.01 177.24W–.01 28–0 5.3W,4.7b
ISC Event type se.
NOU Kermadec Islands Region.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function. Moment Tensor Solution. s72,c96; s103,c160;Duration: 1ş0
Moment tensor: Scale 10^{17}Nm; Mrr0.38±.03 Mθθ0.40±.02; Mφφ-0.78±.02; Mrθ-0.22±.04;
Mθφ-0.31±.02; Mφr0.62±.04; Best double couple: NP1:φs341.00000°,δ76.00000°,λ53.00000°.
NP2:φs233.00000°,δ39.00000°,λ157.00000°. Principal axes: T 0.8790,Plg46.0000°
,Azm213.0000°; N 0.1960,Plg36.0000°,Azm352.0000°; P -1.0750,Plg22.0000°,Azm98.0000°
M0 0.97700×10^{17}
ISC III 14 18 59 16.9–.41 30.42S–.04 177.45W–.06 10 4.8b,4.2s 147 1-163
NOU III 14 18 59 00.8 30.26S 175.10W 0 4.9b,4.2s **¶610330652**
IDC III 14 18 59 15.9–.82 30.31S 177.55W 0 4.4,4.4b
NEIC III 14 18 59 18.8–2.6 30.20S–.08 177.4W–.10 18–4 4.9b,4.4b
ISC Event type se.
NOU Kermadec Islands Region.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC III 15 08 43 48.2–2.4 30.5S–.10 177.7W–.40 35 4.0b 8 1-145
IDC III 15 08 43 46.9–2.6 30.35S 178.19W 0 3.9,3.9b ¶610546242
ISC Event type ke.
IDC Error ellipse: s-maj=68.1km s-min=21.2km az=124.0.
ISC III 15 09 27 30.6–.59 30.28S–.06 177.6W–.10 35 4.3b 44 1-163
NEIC III 15 09 27 28.2–1.4 30.26S–.05 177.6W–.20 10–1 4.4b ¶610470973
IDC III 15 09 27 31.7–2.3 30.15S 177.54W 45–18 4.2,4.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=24.0km s-min=5.4km az=75.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=24.6km s-min=18.5km az=110.0.
ISC III 15 22 12 38.0–1.4 30.31S–.07 177.8W–.20 35 4.2b 17 1-145
IDC III 15 22 12 33.4–1.6 30.29S 177.73W 0 4.9s,4.1b ¶610546276
NEIC III 15 22 12 38.1–.83 30.23S–.07 177.6W–.20 35–2 4.3b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 18 02 06 51.0–.76 29.56S–.09 178.7W–.10 204 3.6b 16 1-164
IDC III 18 02 06 51.9–.85 29.21S 178.63W 209–9 4.1,3.4b ¶610546425
ISC Event type ke.
IDC Error ellipse: s-maj=24.9km s-min=18.7km az=50.0.
ISC III 18 05 05 24.8–1.1 30.3S–.10 178.8W–.20 200 8 1-151
IDC III 18 05 05 25.6–1.7 30.35S 178.75W 216–17 3.7,2.9b ¶610546430
ISC Event type ke.
IDC Error ellipse: s-maj=42.8km s-min=27.1km az=124.0.
ISC III 18 14 24 42.0–.84 30.40S–.06 177.7W–.10 10 4.5b 42 1-163
NEIC III 18 14 24 41.0–2.5 30.47S–.05 177.4W–.20 10–2 4.5b ¶610470987
IDC III 18 14 24 41.1–.95 30.28S 177.51W 0 4.3b,4.2
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=25.6km s-min=7.2km az=83.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=29.7km s-min=16.7km az=84.0.
ISC III 20 02 02 51.2–2.5 30.5S–.10 177.7W–.40 150 3.9b 8 1-145
IDC III 20 02 02 52.8–1.9 30.48S 178.10W 131–11 4.0,3.6b ¶610543294
ISC Event type ke.
IDC Error ellipse: s-maj=50.3km s-min=17.4km az=110.0.
IDC III 20 07 05 00.2–2.4 30.25S 177.58W 0 3.7,3.7b ¶610543311
IDC Error ellipse: s-maj=42.5km s-min=24.3km az=106.0.
IDC III 21 18 57 19.6–3.0 30.89S 177.29W 0 3.7,3.5b ¶610543420
IDC Error ellipse: s-maj=63.9km s-min=25.5km az=97.0.
ISC III 24 08 10 19.7–1.5 30.48S–.08 177.7W–.30 33 4.0b 9 1-145
IDC III 24 08 10 15.2–1.7 30.31S 177.36W 0 4.0,4.0b ¶610543583
ISC Event type ke.
IDC Error ellipse: s-maj=39.9km s-min=20.6km az=82.0.
ISC III 24 08 19 06.2–.77 30.48S–.08 177.5W–.10 33 3.9b,3.4s 20 1-153
IDC III 24 08 19 02.0–1.0 30.41S 177.46W 0 4.1,4.0b ¶610543585
ISC Event type ke.
IDC Error ellipse: s-maj=34.2km s-min=22.9km az=150.0.
IDC III 24 22 53 52.9–4.8 30.17S 178.38W 0 3.2,3.2b ¶610543620
IDC Error ellipse: s-maj=261.0km s-min=73.8km az=167.0.
ISC III 28 22 17 28.6–.90 30.59S–.08 178.2W–.20 46 4.1b 18 1-151
IDC III 28 22 17 22.4–1.2 30.71S 178.09W 0 4.1,4.1b ¶610543874
NEIC III 28 22 17 26.9–.51 30.56S–.08 178.1W–.20 28–11 4.2b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 31 10 23 55.9–.73 30.56S–.05 178.0W–.10 35 4.7b 85 1-153
NEIC III 31 10 23 57.9–1.5 30.33S–.07 177.9W–.20 35–2 4.6b ¶610471052
IDC III 31 10 23 58.5–2.3 30.24S 177.94W 45–19 4.5,4.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=24.9km s-min=10.5km az=105.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=26.7km s-min=17.3km az=127.0.
IDC III 31 12 13 54.2–2.6 30.13S 178.05W 236–19 3.6,2.8b ¶610544049
IDC Error ellipse: s-maj=105.6km s-min=46.2km az=172.0.
IDC IV 01 15 10 22.8–1.2 29.61S 178.33W 224–11 3.6,3.0b ¶610651710
IDC Error ellipse: s-maj=46.1km s-min=24.4km az=113.0.
ISC IV 03 08 13 03.2–2.9 30.40S–.08 177.4W–.40 33 3.7b 8 1-145
IDC IV 03 08 12 58.8–3.5 30.53S 177.34W 0 3.7s,3.7 ¶610651817
ISC Event type ke.
IDC Error ellipse: s-maj=72.2km s-min=26.7km az=103.0.
ISC IV 03 13 07 40.5–.88 30.2S–.10 178.6W–.20 10 4.0b 16 1-145
IDC IV 03 13 07 35.7–3.7 29.69S 178.10W 0 3.9,3.9b ¶610651841
NEIC IV 03 13 07 40.0–1.0 30.38S–.09 178.4W–.20 10–1 4.1b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 03 15 40 17.8–2.7 30.77S–.09 177.5W–.40 35 4.0b 14 2-146
IDC IV 03 15 40 14.2–3.0 30.76S 177.59W 0 4.1,4.0b ¶610651846
NEIC IV 03 15 40 19.4–2.0 30.62S–.07 177.5W–.20 35–2 4.1b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IV 05 07 09 31.4–4.0 30.53S 177.68W 0 3.5,3.5b ¶610651980
IDC Error ellipse: s-maj=88.3km s-min=35.0km az=118.0.
IDC IV 06 10 50 05.5–1.5 29.68S 178.50W 0 3.7,3.7b ¶610652069
IDC Error ellipse: s-maj=49.5km s-min=16.0km az=149.0.
ISC IV 06 10 54 06.1–1.3 29.8S–.30 178.4W–.20 10 3.8b,3.7s 7 1-163
IDC IV 06 10 54 04.9–1.3 29.70S 178.51W 0 3.9,3.9b ¶610554454
ISC Event type ke.
IDC Error ellipse: s-maj=54.8km s-min=14.6km az=149.0.
ISC IV 06 17 36 00.3–.59 29.87S–.08 178.3W–.10 10 4.7b 38 1-163
IDC IV 06 17 35 56.8–.99 29.73S 178.58W 0 4.2,4.2b ¶610652089
NEIC IV 06 17 36 00.8–1.7 29.81S–.07 178.2W–.20 10–2 4.9b,4.2b
GCMT IV 06 17 36 03.8–.40 29.77S–.03 178.75W–.02 25–1 5.1W,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s31,c35; s85,c111;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.24±.33 $M_{\theta\theta}$-1.58±.27; $M_{\phi\phi}$4.83±.27; $M_{r\theta}$-0.56±.49; $M_{r\phi}$3.42±.19; $M_{\theta\phi}$2.23±.46; Best double couple: NP1:ϕ_s172.00000°,δ66.00000°,λ-133.00000°. NP2:ϕ_s59.00000°,δ48.00000°,λ-33.00000°. Principal axes: T 6.6560,Plg11.0000° ,Azm292.0000°; N -1.9260,Plg39.0000°,Azm193.0000°; P -4.7190,Plg49.0000° ,Azm35.0000° $M_0$5.68700×10^{16}
ISC IV 06 17 39 07.3–.73 29.7S–.10 178.6W–.10 10 4.4b 16 1-164
IDC IV 06 17 39 05.5–.89 29.72S 178.52W 0 4.3,4.3b ¶610652090
ISC Event type ke.
IDC Error ellipse: s-maj=28.4km s-min=14.4km az=146.0.
ISC IV 06 17 40 24.0–.30 29.88S–.05 178.53W–.05 10 5.2b,4.8s 261 1-169
IDC IV 06 17 40 22.9–.54 29.83S 178.62W 0 4.6s,4.4 ¶611832238
MOS IV 06 17 40 23.3–1.3 29.75S 178.72W 12 5.4b,4.4
NEIC IV 06 17 40 24.2–2.6 29.77S–.07 178.59W–.07 10–1 5.2b,4.4
BJI IV 06 17 40 25.0–.00 29.80S 178.70W 10 5.6b,5.1s
GCMT IV 06 17 40 26.2–.20 29.85S–.01 178.72W–.01 12 5.2W,5.1s
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s68,c95; s136,c223;Duration: 1.0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.46±.02 $M_{\theta\theta}$-0.43±.01; $M_{\phi\phi}$0.88±.01; $M_{r\theta}$-0.19±.04; $M_{\theta\phi}$0.53±.01; $M_{\phi r}$-0.10±.04; Best double couple: NP1:ϕ_s59.00000°,δ72.00000°,λ-28.00000°. NP2:ϕ_s158.00000°,δ63.00000°,λ-160.00000°. Principal axes: T 1.0930,Plg6.0000° ,Azm110.0000°; N -0.3820,Plg57.0000°,Azm209.0000°; P -0.7110,Plg32.0000° ,Azm16.0000° $M_0$0.90200×10^{17}
ISC IV 06 17 46 20.0–.99 29.7S–.20 178.4W–.20 10 4.0b 7 1-164
IDC IV 06 17 46 18.2–.95 29.56S 178.36W 0 4.0,4.0b ¶610652091
ISC Event type ke.
IDC Error ellipse: s-maj=34.2km s-min=13.4km az=146.0.
ISC IV 07 02 18 56.6–.70 29.8S–.10 178.6W–.10 10 4.3b,3.8s 13 1-163
IDC IV 07 02 18 55.1–.73 29.77S 178.57W 0 4.2b,4.1 ¶610652119
ISC Event type ke.
IDC Error ellipse: s-maj=28.4km s-min=12.9km az=141.0.
IDC IV 07 02 43 12.6–6.1 29.29S 178.91W 0 3.6,3.6b ¶610652121
IDC Error ellipse: s-maj=318.6km s-min=89.7km az=165.0.
ISC IV 07 08 50 16.1–.93 29.5S–.10 178.4W–.10 10 4.1b,3.6s 8 1-164
IDC IV 07 08 50 14.2–.93 29.38S 178.38W 0 4.1,4.1b ¶610652136
ISC Event type ke.
IDC Error ellipse: s-maj=15.8km s-min=12.1km az=167.0.
ISC IV 09 08 48 59.4–.84 30.16S–.07 179.0W–.10 300 76 1-145
IDC IV 09 08 48 58.9–1.2 30.07S 178.99W 303–16 3.9,2.7b ¶610652289
ISC Event type ke.
IDC Error ellipse: s-maj=47.5km s-min=20.6km az=109.0.
ISC IV 11 11 34 05.1–1.1 30.3S–.10 178.3W–.20 10 4.2b 17 1-145
IDC IV 11 11 34 04.1–5.3 30.36S 178.33W 0 4.2s,4.2 ¶610652450
NEIC IV 11 11 34 05.5–.88 30.28S–.05 178.2W–.20 10–2 4.2b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 16 02 40 44.8–1.7 30.25S–.07 177.4W–.20 10 4.2b 11 1-153
IDC IV 16 02 40 43.3–1.7 30.21S 177.26W 0 4.2b,4.1 ¶610652843
ISC Event type ke.
IDC Error ellipse: s-maj=39.0km s-min=27.5km az=103.0.
IDC IV 18 05 24 52.2–7.0 30.99S 178.93W 0 3.3,3.3b ¶610652966
IDC Error ellipse: s-maj=285.9km s-min=61.7km az=157.0.
ISC IV 20 10 58 59.2–1.6 29.3S–.10 177.4W–.20 78–10 4.0b 18 0-164
IDC IV 20 10 58 58.1–2.0 28.71S 177.44W 55–19 4.1,3.8b ¶610598418
ISC Event type ke.
IDC Error ellipse: s-maj=39.7km s-min=28.3km az=155.0.
ISC IV 28 05 42 21.0–.87 30.27S–.06 178.2W–.10 50 4.3b 28 1-145
IDC IV 28 05 42 22.1–4.0 29.85S 179.25W 0 4.3L,4.2 ¶610650195
NEIC IV 28 05 42 23–1.8 30.16S–.09 178.3W–.20 63–12 4.3b,4.2
WEL IV 28 05 42 52.7–.70 32S–11 179W–25 274–12 5.0L,4.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC IV 30 01 37 26.6–7.2 30.93S 178.42W 0 3.7,3.7b ¶610650372
IDC Error ellipse: s-maj=305.1km s-min=54.4km az=157.0.
IDC V 03 18 01 12.8–3.0 30.64S 178.08W 0 3.8,3.6b ¶610689493
IDC Error ellipse: s-maj=66.3km s-min=36.1km az=113.0.
ISC V 05 15 50 49.6–1.1 29.9S–.10 178.0W–.20 50 4.0b 15 1-163
IDC V 05 15 50 43.5–1.2 29.96S 178.01W 0 4.1,4.1b ¶610669475
ISC Event type ke.
IDC Error ellipse: s-maj=37.2km s-min=14.1km az=112.0.
ISC V 12 19 34 50.6–2.0 30.5S–.20 178.6W–.30 10 4.1b 14 9-145
IDC V 12 19 34 47.9–2.7 30.21S 178.35W 0 4.0,4.0b ¶610690146
NEIC V 12 19 34 52.3–.36 30.6S–.10 178.7W–.20 10–2 4.3b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC V 13 16 19 01.2–4.9 29.98S 178.56W 0 3.1,3.1b ¶610690204
IDC Error ellipse: s-maj=266.4km s-min=74.7km az=166.0.
ISC V 14 09 28 22.1–1.5 30.26S–.07 177.4W–.20 35 4.3b 19 1-145
IDC V 14 09 28 17.0–1.9 30.18S 177.33W 0 3.8,3.7b ¶610690262
NEIC V 14 09 28 18.6–1.1 30.1S–.20 177.1W–.50 17–15 4.6b,3.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC V 15 00 16 20.1–1.6 29.61S 178.75W 332–21 3.8,3.1b ¶610690306
IDC Error ellipse: s-maj=59.7km s-min=40.5km az=125.0.
IDC V 17 17 56 53.2–5.5 29.67S 178.39W 0 3.3,3.3b ¶610690509
IDC Error ellipse: s-maj=312.8km s-min=78.7km az=166.0.
ISC V 19 09 41 58.6–.45 30.76S–.05 178.00W–.09 35 4.8b,3.7s 102 1-162
NOU V 19 09 41 40.4 30.93S 175.46W 19 5.1b,3.7s ¶610667700
IDC V 19 09 41 53.7–.60 30.62S 178.18W 0 4.6,4.6b
NEIC V 19 09 41 57.5–1.0 30.75S–.05 177.9W–.10 27–3 4.8b,4.6b
ISC Event type se.
NOU Kermadec Islands Region.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC V 19 14 50 47.4–3.9 30.95S 177.62W 0 3.6,3.6b ¶610690676
IDC Error ellipse: s-maj=87.6km s-min=34.3km az=121.0.
ISC V 20 09 34 55.9–.91 30.24S–.09 177.9W–.20 50 4.3b,3.4s 27 1-163
NEIC V 20 09 34 55.4–1.3 30.25S–.07 178.0W–.20 35–2 4.4b,3.4s ¶610685020
IDC V 20 09 34 57.7–3.1 30.08S 177.92W 66–25 4.1,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=27.1km s-min=11.6km az=89.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=49.1km s-min=25.5km az=155.0.
ISC V 21 07 07 17.9–.55 29.59S–.07 178.9W–.10 250 3.9b 109 1-164
IDC V 21 07 07 19.0–.45 29.26S 178.92W 259–4 4.3,3.7b ¶610667711
ISC Event type ke.
IDC Error ellipse: s-maj=32.0km s-min=15.0km az=171.0.
ISC V 22 07 24 43.9–.42 30.64S–.05 177.86W–.10 10 5.0b,3.5s 106 1-163
IDC V 22 07 24 43.2–.58 30.55S 178.11W 0 4.7b,4.6 ¶610667716
NEIC V 22 07 24 44–2.3 30.69S–.07 177.8W–.10 10–1 5.0b,4.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 22 09 41 41.7–.75 30.77S–.07 178.1W–.20 35 4.5b,3.5s 39 2-162
IDC V 22 09 41 36.8–.81 30.81S 178.08W 0 4.3b,4.2 ¶610667717
NEIC V 22 09 41 42.8–1.0 30.73S–.08 178.1W–.20 36–10 4.5b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 23 07 02 35.4–.41 29.39S–.05 178.40W–.05 210–3 4.9b 308 0-169
BJI V 23 07 02 33.5–.00 29.27S 177.82W 214 5.1b,4.9b ¶616639962
NOU V 23 07 02 33.2 29.64S 177.66W 221 5.0b,4.9b
NEIC V 23 07 02 36.0–2.5 29.39S–.10 178.4W–.20 215–7 4.8b,4.9b
IDC V 23 07 02 35.7–.47 29.11S 178.39W 210–4 4.8,4.3b
GCMT V 23 07 02 38.0–.30 29.13S–.02 178.29W–.02 216–1 5.1W,4.3b
ISC Event type se.
NOU Kermadec Islands, New Zealand.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s59,c71; s97,c134;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}4.19±.15 $M_{\theta\theta}$-0.36±.18; $M_{\phi\phi}$-3.82±.16; $M_{r\theta}$-0.53±.15; $M_{\theta\phi}$-2.29±.13; $M_{\phi r}$2.79±.13; Best double couple: NP1:ϕ_s7.00000°,δ61.00000°,λ68.00000°. NP2:ϕ_s227.00000°,δ35.00000°,λ124.00000°. Principal axes: T 5.3350,Plg66.0000° ,Azm237.0000°; N 0.1860,Plg19.0000°,Azm18.0000°; P -5.5140,Plg14.0000°,Azm113.0000° $M_0$5.42500×10^{16}

ISC V 26 19 53 24.3–.86 30.55S–.05 177.9W–.10 10 4.7b,3.5s 66 1-163
IDC V 26 19 53 22.1–1.0 30.62S 177.60W 0 4.4,4.4b ¶610667742
NEIC V 26 19 53 24.7–1.9 30.56S–.06 177.8W–.20 5–6 4.6b,4.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC V 27 14 22 35.1–7.6 30.52S 178.38W 0 3.5,3.5b ¶610685500
IDC Error ellipse: s-maj=309.4km s-min=63.1km az=155.0.
ISC VI 05 17 00 01.1–1.4 30.6S–.10 178.4W–.20 350 56 1-145
IDC VI 05 17 00 06.5–9.6 30.75S 179.29W 351–107 3.4,2.4b ¶610791289
ISC Event type ke.
IDC Error ellipse: s-maj=107.5km s-min=43.2km az=1.0.
ISC VI 05 18 21 44.4–1.7 29.7S–.20 178.5W–.20 450 62 1-144
NOU VI 05 18 20 54.8 25.10S 178.43E 249 4.4b ¶612489951
IDC VI 05 18 20 58.5–7.6 27.68S 178.27W 0 3.1,3.1b
ISC Event type ke.
NOU South of Fiji Islands.
IDC Error ellipse: s-maj=388.3km s-min=109.2km az=163.0.
IDC VI 05 20 32 20.3–7.2 30.56S 178.92W 0 3.4,3.4b ¶610791301
IDC Error ellipse: s-maj=303.0km s-min=56.7km az=156.0.
ISC VI 09 09 36 16.8–1.1 30.66S–.09 177.9W–.20 10 4.4b 16 1-145
IDC VI 09 09 36 15.0–3.1 30.71S 177.86W 0 3.8,3.8b ¶610791529
NEIC VI 09 09 36 17.5–1.6 30.71S–.09 177.9W–.20 10–2 4.6b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VI 11 11 10 57.4–7.7 30.65S 177.30W 0 3.2,3.2b ¶610791649
IDC Error ellipse: s-maj=326.0km s-min=58.2km az=156.0.
ISC VI 15 00 26 16.8–.33 30.62S–.03 177.94W–.04 35–1 5.7b,5.6s 1836 1-177
BJI VI 15 00 26 13.0–.00 30.30S 177.50W 25 6.0b,5.7s ¶611834120
MOS VI 15 00 26 15.2–.93 30.47S 178.19W 29 5.9b,5.7s
NEIC VI 15 00 26 17.2 30.65S 177.95W 50 5.9b,5.7s
NEIC VI 15 00 26 17.2 30.55S 178.07W 50 5.9b,5.7s
NEIC VI 15 00 26 17.6–1.2 30.52S–.05 178.06W–.10 34–1 6.0,5.9
IDC VI 15 00 26 18.7–1.2 30.49S 178.03W 47–9 5.4s,5.4
NEIC VI 15 00 26 18.5 30.53S 178.09W 40 5.4s,5.4
GCMT VI 15 00 26 21.5–.10 30.62S–.01 177.84W 50–0 6.0W,5.4
NOU VI 15 00 26 21.4 30.82S 177.68W 77 5.8L,5.4
ISC Event type se.
MOS Error ellipse: s-maj=8.5km s-min=6.7km az=95.1.
NEIC Event type se. Moment Tensor Solution.Duration: 4^{s}9 Moment tensor: Scale 10^{18}Nm; M_{rr}1.17 $M_{\theta\theta}$-0.11 $M_{\phi\phi}$-1.07 $M_{r\theta}$0.18 $M_{\theta\phi}$-0.31 $M_{\phi r}$0.44 NP1:ϕ_s18.76000°,δ56.00000°,λ92.43000°. NP2:ϕ_s194.42000°,δ34.07000°,λ86.40000°. Principal axes: T 1.2673,Plg79.0000°,Azm298.0000°; N -0.0152,Plg2.0000°,Azm197.0000°; P -1.2520,Plg11.0000°,Azm107.0000° $M_0$1.26000×10^{18}
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.8km s-min=8.3km az=105.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}7.73 $M_{\theta\theta}$-2.85 $M_{\phi\phi}$-4.87 $M_{r\theta}$0.78 $M_{\theta\phi}$-3.47 $M_{\phi r}$1.94 NP1:ϕ_s220.56000°,δ37.67000°,λ95.89000°. NP2:ϕ_s33.13000°,δ52.56000°,λ85.47000°. Principal axes: T 8.0267,Plg82.0000°,Azm280.0000°; N -0.2818,Plg4.0000°,Azm36.0000°; P -7.7449,Plg7.0000°,Azm126.0000° $M_0$7.89000×10^{17}
IDC Error ellipse: s-maj=12.4km s-min=9.4km az=94.0.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s163,c376; s162,c519; Duration: 2^{s}4 Moment tensor: Scale 10^{18}Nm; M_{rr}1.09±.01 $M_{\theta\theta}$-0.08±.01; $M_{\phi\phi}$-1.01±.01; $M_{r\theta}$0.09±.01; $M_{\theta\phi}$-0.31±.01; $M_{\phi r}$0.49±.01; Best double couple: NP1:ϕ_s14.00000°,δ57.00000°,λ87.00000°. NP2:ϕ_s200.00000°,δ33.00000°,λ95.00000°. Principal axes: T 1.1980,Plg78.0000°,Azm275.0000°; N 0.0120,Plg2.0000°,Azm16.0000°; P -1.2120,Plg12.0000°,Azm106.0000° $M_0$1.20500×10^{18}
NOU Kermadec Islands, New Zealand.
ISC VI 15 00 30 23.1–.51 30.54S–.05 178.0W–.10 35 5.0b 57 1-163
IDC VI 15 00 30 16.9–.80 30.65S 177.72W 0 4.9,4.9b ¶610760947
NEIC VI 15 00 30 22.7–2.4 30.54S–.06 177.7W–.10 35–2 5.0b,4.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VI 15 05 12 46.6–3.7 30.43S 178.19W 0 3.9,3.9b ¶610791910
IDC Error ellipse: s-maj=84.1km s-min=19.7km az=118.0.
IDC VI 15 13 23 17.8–5.8 30.57S 179.00W 158–27 3.6,3.1b ¶610791942
IDC Error ellipse: s-maj=188.4km s-min=36.7km az=151.0.
ISC VI 15 16 18 14.2–1.6 30.4S–.10 178.4W–.20 35 4.1b 8 1-163
IDC VI 15 16 18 07.5–2.1 30.06S 178.16W 0 4.1,4.1b ¶610791950
ISC Event type ke.
IDC Error ellipse: s-maj=53.0km s-min=30.8km az=39.0.
ISC VI 17 02 22 23.2–1.2 30.65S–.07 177.7W–.20 33 4.5b 22 1-149
IDC VI 17 02 22 18.0–2.0 30.77S 177.57W 0 4.5b,4.3 ¶610760958
NEIC VI 17 02 22 24.5–1.5 30.63S–.05 177.8W–.20 35–2 4.5b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 18 03 50 26.0–.95 30.56S–.08 177.9W–.20 46 4.3b 28 1-163
NEIC VI 18 03 50 26.2–.81 30.52S–.03 177.9W–.30 42–12 4.2b ¶610760964
IDC VI 18 03 50 28.6–2.2 30.33S 177.91W 67–20 4.3,4.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=34.9km s-min=4.7km az=87.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=27.5km s-min=23.9km az=142.0.
ISC VI 18 18 47 18.4–1.3 30.25S–.04 177.56W–.07 27–8 5.1b,4.0s 553 1-169
MOS VI 18 18 47 16.6–1.1 30.15S 177.68W 20 5.4b,4.0s ¶610760967
NEIC VI 18 18 47 16.6–2.2 30.22S–.04 177.7W–.10 10–1 5.1b,4.0s
NOU VI 18 18 47 20.8 30.40S 176.79W 87 5.3b,4.0s
IDC VI 18 18 47 21.6–1.2 30.03S 177.73W 43–9 5.2L,4.7
GCMT VI 18 18 47 23.6–.40 30.11S–.03 177.39W–.03 43–1 5.0W,4.7
BJI VI 18 18 47 24.6–.00 29.89S 177.16W 89 5.4b,4.8b
ISC Event type se.
MOS Error ellipse: s-maj=11.6km s-min=9.2km az=99.7.
NEIC Event type se. Error ellipse: s-maj=15.2km s-min=7.3km az=79.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Kermadec Islands Region.
IDC Error ellipse: s-maj=13.7km s-min=12.1km az=86.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s37,c43; s47,c64;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.27±.22 $M_{\theta\theta}$-0.54±.14; $M_{\phi\phi}$-2.72±.14; $M_{r\theta}$0.17±.11; $M_{\theta\phi}$-0.72±.11; $M_{\phi r}$1.26±.10; Best double couple: NP1:ϕ_s14.00000°,δ56.00000°,λ87.00000°. NP2:ϕ_s200.00000°,δ34.00000°,λ95.00000°. Principal axes: T 3.5240,Plg79.0000°,Azm272.0000°; N -0.3330,Plg3.0000°,Azm16.0000°; P -3.1840,Plg11.0000°,Azm106.0000° $M_0$3.35400×10^{16}
IDC VI 18 20 38 27.3–6.1 30.29S 178.08W 56–41 3.9,3.7b ¶610792144
IDC Error ellipse: s-maj=84.7km s-min=32.7km az=134.0.
ISC VI 19 17 12 57.5–.85 30.20S–.07 178.0W–.20 10 4.4b 41 1-151
IDC VI 19 17 12 55.7–1.0 30.20S 178.00W 0 4.2,4.2b ¶610760971
NEIC VI 19 17 12 58.2–2.6 30.18S–.06 178.0W–.20 10–2 4.4b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 20 17 24 14.4–1.3 30.67S–.08 178.1W–.20 46 4.1b 19 1-145
IDC VI 20 17 24 07.8–3.2 30.80S 177.78W 0 4.0,3.9b ¶610789168
NEIC VI 20 17 24 13.5–1.6 30.45S–.07 178.35W–.07 10–2 4.3b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 20 18 19 59.4–.82 30.45S–.08 178.3W–.10 35 4.4b 31 1-158
NEIC VI 20 18 20 00.9–1.3 30.4S–.10 178.1W–.30 55–17 4.5b ¶610789171
IDC VI 20 18 20 02.1–6.0 30.29S 178.12W 63–38 4.5,4.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=32.5km s-min=13.0km az=77.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=88.0km s-min=26.7km az=141.0.
ISC VI 21 02 19 12.6–.49 30.52S–.06 177.05W–.08 10 4.6b,4.2s 89 1-169
IDC VI 21 02 19 11.2–.61 30.35S 176.97W 0 4.8L,4.2s ¶610760977
NEIC VI 21 02 19 13.5–1.4 30.45S–.06 177.2W–.10 10–1 4.8b,4.2s
GCMT VI 21 02 19 15.5–.50 30.32S–.06 176.75W–.05 28–1 4.9W,4.2s
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s24,c26; s65,c81;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.39±.26 $M_{\theta\theta}$-1.35±.18; $M_{\phi\phi}$-2.03±.16; $M_{r\theta}$-0.26±.36; $M_{\theta\phi}$-0.58±.09; $M_{\phi r}$0.21±.26; Best double couple: NP1:ϕ_s26.00000°,δ46.00000°,λ84.00000°. NP2:ϕ_s214.00000°,δ45.00000°,λ96.00000°. Principal axes: T 3.4150,Plg86.0000°,Azm217.0000°; N -1.0380,Plg4.0000°,Azm30.0000°; P -2.3670,Plg1.0000°,Azm120.0000° $M_0$2.89100×10^{16}
ISC VI 22 03 40 31.1–1.6 30.3S–.10 178.9W–.20 150 3.7b 8 9-163
IDC VI 22 03 40 29.8–9.6 30.17S 178.89W 140–70 3.9,3.4b ¶610789245
ISC Event type ke.
IDC Error ellipse: s-maj=77.8km s-min=24.5km az=47.0.
IDC VI 22 05 09 11.0–3.4 29.22S 178.21W 0 3.6,3.6b ¶610789247
IDC Error ellipse: s-maj=97.8km s-min=41.7km az=38.0.
ISC VI 24 16 34 19.6–2.7 30.53S–.08 177.3W–.30 35 4.0b 9 1-145
IDC VI 24 16 34 14.5–3.0 30.52S 177.17W 0 4.0,4.0b ¶610789392
ISC Event type se.
IDC Error ellipse: s-maj=59.6km s-min=31.3km az=103.0.
IDC VI 25 19 06 01.5–3.3 30.44S 177.81W 0 3.8s,3.3 ¶610789461
IDC Error ellipse: s-maj=71.9km s-min=25.2km az=110.0.
IDC VI 28 10 04 26.0–5.8 30.31S 178.18W 0 3.6s,3.6 ¶610789631
IDC Error ellipse: s-maj=225.2km s-min=53.2km az=151.0.
ISC VI 28 18 20 54.9–.42 30.43S–.03 177.38W–.04 20–1 6.0s,5.7b 1378 1-176
BJI VI 28 18 20 49.7–.00 30.13S 177.12W 5 6.1b,5.9s ¶616640056
IDC VI 28 18 20 52.6–.38 30.21S 177.69W 0 5.8s,5.3b
NEIC VI 28 18 20 53.9 30.30S 177.65W 10 5.8s,5.3b
NEIC VI 28 18 20 54.1 30.41S 176.87W 24 5.8s,5.3b
MOS VI 28 18 20 54.1–.87 30.26S 177.69W 18 6.0b,5.9s
NEIC VI 28 18 20 54.1 30.31S 177.68W 24 6.0b,5.9s
NEIC VI 28 18 20 55.5–1.8 30.31S–.06 177.7W–.10 19–1 6.0,6.0
NOU VI 28 18 20 57.8 30.67S 177.06W 55 5.8L,6.0
GCMT VI 28 18 21 01.5–.10 30.27S 177.32W 29–0 6.1W,6.0
ISC Event type se.
IDC Error ellipse: s-maj=15.0km s-min=12.4km az=82.0.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 4^{s}9 Moment tensor: Scale 10^{18}Nm; M_{rr}0.90 $M_{\theta\theta}$-0.03 $M_{\phi\phi}$-0.86 $M_{r\theta}$0.06 $M_{\theta\phi}$-0.37 $M_{\phi r}$1.06 NP1:ϕ_s7.62000°,δ69.45000°,λ79.64000°. NP2:ϕ_s215.13000°,δ22.91000°,λ115.63000°. Principal axes: T 1.3985,Plg64.0000°,Azm261.0000°; N 0.0497,Plg10.0000°,Azm11.0000°; P -1.4481,Plg24.0000°,Azm106.0000° $M_0$1.42000×10^{18}
MOS Error ellipse: s-maj=10.7km s-min=7.3km az=113.6.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.4km s-min=10.6km az=280.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}0.84 $M_{\theta\theta}$-0.40 $M_{\phi\phi}$-0.44 $M_{r\theta}$0.12 $M_{\theta\phi}$-0.46 $M_{\phi r}$0.65 NP1:ϕ_s240.54000°,δ30.91000°,λ121.29000°. NP2:ϕ_s25.22000°,δ63.97000°,λ72.73000°. Principal axes: T 1.1116,Plg66.0000°,Azm263.0000°; N -0.0643,Plg15.0000°,Azm33.0000°; P -1.0473,Plg17.0000°,Azm128.0000° $M_0$1.08000×10^{18}
NOU Kermadec Islands, New Zealand.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s164,c379; s164,c572; Duration: 2^{s}8 Moment tensor: Scale 10^{18}Nm; M_{rr}1.42±.01 $M_{\theta\theta}$-0.06±.01; $M_{\phi\phi}$-1.36±.01; $M_{r\theta}$0.01±.02; $M_{\theta\phi}$-0.42±.01; $M_{\phi r}$1.19±.02; Best double couple: NP1:ϕ_s6.00000°,δ65.00000°,λ81.00000°. NP2:ϕ_s207.00000°,δ27.00000°,λ108.00000°. Principal axes: T 1.8690,Plg69.0000°,Azm259.0000°; N 0.0190,Plg8.0000°,Azm10.0000°; P -1.8890,Plg19.0000°,Azm103.0000° $M_0$1.87900×10^{18}
IDC VI 28 18 36 58.4–2.9 30.26S 177.48W 0 3.7,3.7b ¶610789658
IDC Error ellipse: s-maj=60.0km s-min=25.2km az=94.0.
ISC VI 28 18 42 20.9–1.3 30.38S–.06 177.5W–.20 33 4.3b 27 1-152
IDC VI 28 18 42 16.4–1.4 30.24S 177.36W 0 4.1,4.1b ¶610789659
NEIC VI 28 18 42 17.4–.67 30.3S–.10 177.1W–.30 17–11 4.3b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VI 28 18 49 22.9–3.2 30.25S 177.52W 0 3.2,3.2b ¶610789661
IDC Error ellipse: s-maj=67.6km s-min=25.9km az=95.0.
ISC VI 28 19 37 18.9–1.3 30.47S–.06 177.5W–.20 10 4.5b 26 1-145
IDC VI 28 19 37 18.6–2.1 30.23S 177.40W 0 4.1,4.1b ¶610789664
NEIC VI 28 19 37 18.4–2.0 30.37S–.08 177.3W–.20 8–4 4.4b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VI 28 21 42 57.2–3.4 30.16S 177.81W 0 3.4,3.4b ¶610789673
IDC Error ellipse: s-maj=73.5km s-min=22.4km az=106.0.
ISC VI 28 23 40 15.0–.82 30.33S–.05 177.9W–.20 10 4.3b,3.7s 29 1-153
IDC VI 28 23 40 12.1–1.3 30.25S 177.63W 0 4.1L,4.0 ¶610761005
NEIC VI 28 23 40 12.9–2.4 30.27S–.06 177.4W–.20 10–1 4.4b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 29 00 01 47.2–.71 30.32S–.06 177.5W–.10 10 4.3b 41 1-163
IDC VI 29 00 01 44.6–.93 30.42S 177.30W 0 4.2,4.2b ¶610761006
NEIC VI 29 00 01 48.3–1.2 30.21S–.08 177.5W–.20 10–2 4.3b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VI 29 01 20 38.4–2.0 29.42S 177.28W 0 3.5,3.5b ¶610789684
IDC Error ellipse: s-maj=23.9km s-min=14.8km az=106.0.
IDC VI 29 03 26 29.4–3.1 30.33S 177.36W 0 3.5,3.5L ¶610789692
IDC Error ellipse: s-maj=68.2km s-min=28.8km az=97.0.
ISC VI 29 05 26 15.3–2.6 30.33S–.09 177.7W–.40 10 7 1-145
IDC VI 29 05 26 14.2–3.2 30.24S 177.62W 0 3.8b,3.7 ¶610789696
ISC Event type ke.
IDC Error ellipse: s-maj=70.7km s-min=21.3km az=97.0.
ISC VI 29 08 00 52.2–2.7 30.35S–.09 177.6W–.40 10 8 1-145
IDC VI 29 08 00 52.5–2.9 30.22S 177.72W 0 3.9,3.8b ¶610789709
ISC Event type ke.
IDC Error ellipse: s-maj=63.1km s-min=20.7km az=103.0.
IDC VI 29 14 58 47.5–2.1 29.83S 178.35W 0 3.8,3.8b ¶610789727
IDC Error ellipse: s-maj=64.4km s-min=14.0km az=136.0.
IDC VI 30 05 27 53.8–2.7 30.08S 177.35W 0 3.5,3.5b ¶610789760
IDC Error ellipse: s-maj=57.6km s-min=27.0km az=80.0.
ISC VI 30 07 43 25.8–1.1 30.24S–.08 177.4W–.20 35 4.2s,3.7b 11 1-145
IDC VI 30 07 43 21.2–1.3 30.09S 177.26W 0 4.1s,3.9L ¶610789768

ISC Event type ke.
IDC Error ellipse: s-maj=26.3km s-min=23.5km az=65.0.
IDC VI 30 15 47 52.1–3.2 30.29S 177.70W 0 3.6,3.6b ¶610789800
IDC Error ellipse: s-maj=68.0km s-min=23.1km az=105.0.
IDC VI 30 17 51 52.2–3.3 30.51S 177.35W 0 3.6,3.4b ¶610789803
IDC Error ellipse: s-maj=71.5km s-min=29.2km az=100.0.

(179) South of Kermadec Islands.

IDC I 02 03 15 14.2–3.2 32.40S 179.62W 0 3.6,3.5b ¶610236437
IDC Error ellipse: s-maj=68.7km s-min=36.6km az=102.0.
ISC I 03 03 30 58.3–1.7 34.2S–.10 179.8W–.20 250 3.4b 85 4-148
IDC I 03 03 31 01.4–5.0 34.06S 179.69E 254–52 4.2,3.4b **¶610236528**
NOU I 03 03 31 08.2 34.78S 179.61E 233 4.4,3.4b
ISC Event type ke.
IDC Error ellipse: s-maj=61.9km s-min=47.0km az=162.0.
NOU South of Kermadec Islands.
NOU I 03 10 32 24.8 33.65S 177.17W 62 4.7 ¶612488263
NOU South of Kermadec Islands.
IDC I 03 21 01 06.1–3.0 32.57S 179.17E 0 3.6L,3.5 ¶610236584
IDC Error ellipse: s-maj=66.6km s-min=35.1km az=91.0.
ISC I 04 01 09 43.7–.95 32.5S–.10 179.8W–.20 35 4.4b 10 6-161
IDC I 04 01 09 38.0–1.0 32.38S 179.70W 0 4.7s,4.6 **¶610236650**
ISC Event type ke.
IDC Error ellipse: s-maj=31.9km s-min=25.1km az=39.0.
IDC I 04 02 34 41.8–2.9 32.49S 179.31E 0 3.8,3.8L ¶610236659
IDC Error ellipse: s-maj=63.9km s-min=34.7km az=93.0.
IDC I 04 04 02 56.2–9.0 33.04S 179.81W 103–87 3.9,3.7L ¶610236668
IDC Error ellipse: s-maj=76.2km s-min=60.9km az=163.0.
IDC I 04 05 23 23.8–2.9 32.75S 178.72W 0 4.3b,4.2 ¶610236672
IDC Error ellipse: s-maj=66.5km s-min=35.6km az=114.0.
IDC I 04 09 02 41.8–2.0 32.85S 179.18W 0 3.9,3.9b ¶610236686
IDC Error ellipse: s-maj=44.7km s-min=30.9km az=71.0.
WEL I 04 12 34 19.3–2.5 33S–43 178W–36 226–96 4.5b,4.5 ¶614538098
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC I 04 14 22 18.1–2.2 32.6S–.10 179.5W–.30 35 17 6-147
IDC I 04 14 22 13.3–3.2 32.32S 179.69W 0 3.8,3.8L **¶610236703**
WEL I 04 14 23 28.3 37S–37 178E–25 59–35 2.6L,2.4
ISC Event type ke.
WEL smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID smi:org.gfz-potsdam.de/geofon/nz3drx. automatic.
IDC I 07 01 54 08.1–2.4 32.94S 179.85E 0 4.0,4.0b ¶610236870
IDC Error ellipse: s-maj=68.5km s-min=36.9km az=43.0.
IDC I 07 04 58 07.0–3.0 32.38S 179.33W 0 3.8,3.8L ¶610236876
IDC Error ellipse: s-maj=66.6km s-min=35.9km az=106.0.
ISC I 07 08 21 25.3–1.6 32.8S–.30 178.2W–.30 10 3.6b 6 43-151
IDC I 07 08 21 24.9–1.6 32.92S 178.29W 0 3.7,3.7b **¶610180865**
ISC Event type ke.
IDC Error ellipse: s-maj=50.3km s-min=39.0km az=42.0.
ISC I 07 09 58 02.4–.85 33.13S–.08 179.9E–.10 35 4.5b,3.6s 54 5-147
IDC I 07 09 57 57.0–1.2 32.99S 179.92E 0 4.6b,4.5 **¶610101608**
NEIC I 07 09 58 18.0–1.1 34.00S–.09 178.8E–.20 120–6 4.5b,4.5
WEL I 07 09 59 11.2 38S–28 178E–16 55–21 2.4,2.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID smi:org.gfz-potsdam.de/geofon/nz3drx. automatic.
ISC I 08 08 28 01.2–2.0 32.7S–.10 179.9E–.20 10 18 5-147
IDC I 08 08 27 53.6–3.1 32.65S 178.87W 0 3.9s,3.7 **¶610236956**
WEL I 08 08 28 06.0–1.9 34S–38 179W–26 329–78 4.1L,3.9
ISC Event type ke.
WEL smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC I 08 08 29 36.2–3.4 32.27S 179.01W 0 3.6,3.4b ¶610236957
IDC Error ellipse: s-maj=75.7km s-min=49.5km az=111.0.
IDC I 09 06 41 53.6–8.2 34.74S 178.66E 105–72 3.7,3.5b ¶610237001
IDC Error ellipse: s-maj=67.4km s-min=53.5km az=33.0.
ISC I 10 01 53 28.7–1.1 34.96S–.07 179.1E–.10 200 83 3-153
WEL I 10 01 53 30.3–.75 35S–6.0 179E–9.0 228–11 4.4L,4.2b **¶610237049**
IDC I 10 01 53 30.9–6.3 35.29S 179.15E 234–60 3.7,3.2b
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=102.4. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=91.4km s-min=33.0km az=11.0.
ISC I 10 12 22 33.0–2.8 32.2S–.20 179.9W–.30 300 3.6b 41 6-58
IDC I 10 12 22 30.5–14 31.86S 179.90W 279–81 4.2,3.5b **¶610237079**
WEL I 10 12 23 53.7 38S–18 178E–11 49–16 2.5L,2.5
ISC Event type ke.
WEL smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID smi:org.gfz-potsdam.de/geofon/nz3drx. automatic.
ISC I 10 19 36 20.5–1.6 33.8S–.10 179.7W–.30 100 36 4-153
IDC I 10 19 36 20.4–7.8 34.03S 179.42W 114–68 3.9,3.5b **¶610237101**
WEL I 10 19 37 16.4 38S–16 178E–14 42–13 2.5L,2.4
ISC Event type ke.
WEL smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID smi:org.gfz-potsdam.de/geofon/nz3drx. automatic.
ISC I 12 18 39 07.7–1.7 33.1S–.10 180.0E–.20 10 3.7b 21 5-147
IDC I 12 18 39 07.5–2.0 33.10S 179.78E 0 4.0L,3.9 **¶610237254**
ISC Event type ke.
IDC Error ellipse: s-maj=46.7km s-min=28.9km az=68.0.
IDC I 15 02 38 39.4–3.4 33.11S 177.90W 0 3.6,3.5b ¶610237407
IDC Error ellipse: s-maj=80.2km s-min=38.2km az=120.0.
ISC I 15 12 32 09.4–.95 32.19S–.07 179.7E–.20 400 3.8b 55 6-152
IDC I 15 12 32 03.8–3.3 31.92S 179.83W 368–31 4.3,3.5b **¶610180885**
WEL I 15 12 32 12.6–1.0 33S–13 180W–27 419–15 5.4,5.4L
ISC Event type se.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC I 16 15 12 25.2–.64 34.74S–.08 179.37W–.10 50 4.3b 82 3-154
WEL I 16 15 12 24.2–.94 35S–10 179W–15 150–29 4.8L,4.6b **¶610180888**
NEIC I 16 15 12 24.6–.91 34.7S–.20 179.4W–.30 35–2 4.4b,4.6b
IDC I 16 15 12 30.1–4.0 35.03S 179.56W 91–35 4.4,4.1b
ISC Event type se.
WEL Error ellipse: s-maj=0.0km s-min=0.0km az=113.3. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=51.6km s-min=3.9km az=121.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=36.3km s-min=24.0km az=175.0.
ISC I 16 20 16 39.4–1.0 34.63S–.07 179.5W–.10 61 43 3-153
NOU I 16 20 16 15.5 33.73S 177.79W 22 4.7b **¶610237538**
IDC I 16 20 16 32.5–1.2 34.29S 179.72W 0 4.2,4.0b
WEL I 16 20 16 36.8–.73 35S–7.0 179W–16 33 4.7b,4.5L
ISC Event type se.
NOU South of Kermadec Islands.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC I 17 15 56 24.4–3.1 32.25S 178.24W 0 3.6,3.5b ¶610237608
IDC Error ellipse: s-maj=73.7km s-min=47.0km az=123.0.
IDC I 18 18 37 48.0–3.4 32.33S 177.85W 0 3.8,3.8b ¶610237680
IDC Error ellipse: s-maj=76.5km s-min=47.9km az=120.0.
IDC I 19 14 26 39.4–3.3 33.89S 178.44W 0 3.6,3.6L ¶610237730
IDC Error ellipse: s-maj=79.7km s-min=37.2km az=121.0.
IDC I 19 16 59 12.9–3.1 32.16S 179.04W 0 3.4,3.4L ¶610237736
IDC Error ellipse: s-maj=69.2km s-min=46.1km az=111.0.
ISC I 21 17 53 34.6–.36 33.12S–.04 177.67W–.07 26 5.0b,3.9s 287 4-164
NOU I 21 17 53 29.0 33.40S 176.99W 0 4.9b,3.9s **¶610105035**
BJI I 21 17 53 31.7–.00 33.49S 177.98W 9 5.9b,5.4s
NEIC I 21 17 53 32.3–3.0 33.06S–.07 177.7W–.10 10–1 5.0b,5.4s
WEL I 21 17 53 32.7–.95 33S–12 178W–31 173–25 5.6,5.0b
MOS I 21 17 53 32.7–1.9 33.03S 177.94W 12 5.2b,5.0b
IDC I 21 17 53 35.6–2.8 33.07S 177.71W 25–18 5.1L,4.6
GCMT I 21 17 53 35.3–.40 33.18S–.04 177.29W–.03 22–1 4.9W,4.6
ISC Event type se.
NOU South of Kermadec Islands.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s21,c22; s68,c96;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.95±.27 $M_{\theta\theta}$-0.40±.16; $M_{\phi\phi}$3.34±.16; $M_{r\theta}$0.26±.32; $M_{\theta\phi}$0.49±.11; $M_{\phi r}$-0.60±.20; Best double couple: NP1:ϕ_s0.00000°,δ50.00000°,λ-99.00000°. NP2:ϕ_s195.00000°,δ41.00000°,λ-79.00000°. Principal axes: T 3.4520,Plg5.0000° ,Azm97.0000°; N -0.4150,Plg7.0000°,Azm6.0000°; P -3.0420,Plg81.0000°,Azm221.0000° $M_0$3.24700×10^{16}
ISC I 22 21 41 53.5–.42 33.36S–.05 178.04W–.09 34 4.7b,3.7s 107 4-162
WEL I 22 21 41 49.8–.95 33S–6.0 178W–16 33 5.4L,5.3b **¶610180907**
IDC I 22 21 41 49.0–.69 33.37S 177.98W 0 4.3,4.3b
NEIC I 22 21 41 53.6–1.9 33.48S–.08 177.9W–.10 32–5 5.0b,4.3b
ISC Event type se.
WEL smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 24 23 51 59.8–1.6 32.07S–.09 179.7E–.20 350 3.0b 64 3-150
IDC I 24 23 51 58.6–6.8 32.09S 179.91E 366–75 3.9,3.0b **¶610235288**
WEL I 24 23 52 00.8–.59 32S–9.0 180W–23 282–14 4.8,4.7b
ISC Event type ke.
WEL smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC I 28 09 04 21.4–.78 32.68S–.06 178.9W–.10 35 4.5b 83 4-161
IDC I 28 09 04 16.1–1.2 32.37S 178.88W 0 4.3,4.3b **¶610180919**
NEIC I 28 09 04 20.1–.88 32.63S–.07 178.9W–.20 21–9 4.5b,4.3b
WEL I 28 09 04 22.1–.72 33S–10 179W–24 33 4.9L,4.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC I 30 19 44 33.5–5.0 32.43S 179.65E 386–40 3.8,3.0b ¶610235758
IDC Error ellipse: s-maj=65.1km s-min=26.7km az=50.0.
IDC I 31 06 49 40.0–7.3 32.10S 177.15W 0 3.6,3.6b ¶610235785
IDC Error ellipse: s-maj=327.0km s-min=64.0km az=159.0.
ISC I 31 22 26 50.0–1.1 34.23S–.07 179.9W–.10 35 33 4-148
IDC I 31 22 26 41.1–2.7 33.82S 179.68W 0 4.1L,3.7 **¶610235848**
WEL I 31 22 26 51.7–.60 34S–5.0 180W–12 33 4.5L,4.3
ISC Event type ke.
WEL smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
ISC II 02 07 07 07.5–.56 32.70S–.05 179.79W–.08 300 4.3b 199 4-147
IDC II 02 07 07 08.2–1.6 32.54S 179.66E 283–16 4.7,3.8b **¶610172179**
NOU II 02 07 07 08.4 32.73S 179.88W 316 4.5b,3.8b
NEIC II 02 07 07 09.6–1.8 32.72S–.10 179.6E–.20 287–10 4.4b,3.8b
WEL II 02 07 07 09.6–.52 33S–5.0 179W–12 243–10 5.4L,5.3b
ISC Event type se.
NOU South of Kermadec Islands.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC II 03 09 20 04.3–.60 33.26S–.05 179.32W–.09 100 4.6b 99 4-160
WEL II 03 09 20 02.2–.67 34S–7.0 179W–16 162–15 5.5L,5.2 **¶610197346**
NEIC II 03 09 20 02.2–1.2 33.17S–.06 179.5W–.10 61–12 4.6b,5.2
IDC II 03 09 20 10.8–2.2 32.75S 179.68W 137–18 4.5,4.2b
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=111.7. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=17.4km s-min=7.9km az=80.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=21.1km s-min=13.7km az=34.0.
ISC II 03 14 11 13.0–.54 32.17S–.03 179.28E–.09 400 3.8b 101 4-150
NOU II 03 14 11 11.1 32.31S 179.81W 465 4.3b **¶610243766**
NEIC II 03 14 11 13.2–1.4 32.3S–.10 179.6E–.10 432–17 3.9b
IDC II 03 14 11 14.6–2.1 32.47S 179.53E 458–25 4.4,3.5b
WEL II 03 14 11 17.2–.69 33S–7.0 180W–18 367–10 5.1L,5.0
ISC Event type se.
NOU South of Kermadec Islands.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL II 03 21 05 39.2–1.3 34S–27 180E–34 200–39 3.7b,3.5 ¶614540220
WEL smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC II 04 09 20 38.9–2.8 32.69S 178.53W 0 4.0L,3.8 ¶610414801
IDC Error ellipse: s-maj=67.4km s-min=35.9km az=117.0.
ISC II 04 12 21 13.5–.81 32.89S–.06 177.9W–.10 35 4.6b,3.4s 90 4-154
IDC II 04 12 21 10.4–1.4 32.60S 178.15W 0 4.8L,4.5 **¶610243769**
WEL II 04 12 21 11.8–.79 33S–6.0 178W–14 33 4.9b,4.8L
NEIC II 04 12 21 20.6–2.1 33.0S–.10 178.6W–.20 61–10 4.5b,4.8L
NOU II 04 12 21 27.0 33.62S 178.56W 149 4.2b,4.8L
ISC Event type se.
IDC Error ellipse: s-maj=44.4km s-min=27.9km az=142.0.
WEL Error ellipse: s-maj=0.0km s-min=0.0km az=109.4. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=19.7km s-min=17.0km az=115.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU South of Kermadec Islands.
ISC II 04 12 39 39.1–.82 33.80S–.06 179.56E–.09 250 3.9b 164 4-148
IDC II 04 12 39 37.0–2.8 33.54S 179.23E 224–23 4.1,3.4b **¶610414818**
WEL II 04 12 39 39.3–.94 34S–14 180E–9.0 22–23 5.3b,4.8L
NEIC II 04 12 39 40.4–1.7 33.8S–.10 179.0E–.20 238–9 4.1b,4.8L
ISC Event type se.

WEL smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC II 04 17 54 56.3–3.2 32.78S 178.42W 0 3.6,3.6b ¶610414830
IDC Error ellipse: s-maj=74.4km s-min=37.7km az=115.0.
IDC II 06 23 47 50.1–3.1 32.83S 178.34W 0 3.7,3.7b ¶610414993
IDC Error ellipse: s-maj=73.5km s-min=37.5km az=117.0.
WEL II 07 09 04 04.2–.67 34S–13 179E–29 414–12 4.1b,4.0L ¶614540435
WEL smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC II 13 12 46 44.1–3.7 34.4S–.20 179.5E–.20 200 75 3-8
NOU II 13 12 46 15.3 32.71S 178.64W 322 4.4b **¶614540796**
WEL II 13 12 46 47.7–1.0 35S–10 179E–12 220–20 5.0b,4.3
ISC Event type se.
NOU South of Kermadec Islands.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL II 16 12 03 06.8–.92 33S–10 179E–23 33 4.6b,4.2L ¶614540982
WEL smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL II 17 07 04 56.9–.97 34S–17 179E–30 309–15 4.3L,4.0 ¶614541023
WEL smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC II 20 00 41 43.5–1.2 34.31S–.08 179.5W–.20 35 52 4-148
IDC II 20 00 41 34.5–2.5 33.91S 179.27W 0 4.0L,3.8 **¶610384660**
WEL II 20 00 41 45.9–.54 34S–8.0 180W–17 33 5.1b,4.5L
ISC Event type ke.
WEL smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC II 21 17 59 04.9–2.1 32.16S 178.38W 0 3.6,3.6b ¶610384762
IDC Error ellipse: s-maj=49.6km s-min=37.7km az=63.0.
WEL II 21 19 17 53.3–1.2 33S–29 179E–45 320–46 4.4b,4.2L ¶614541311
WEL smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC II 22 15 09 10.5–1.1 34.88S–.07 179.2E–.10 200 4.0b 135 3-148
NOU II 22 15 09 00.5 34.39S 179.86E 290 4.3b **¶610384817**
IDC II 22 15 09 10.6–3.2 34.61S 178.79E 167–25 4.3,3.8b
WEL II 22 15 09 16.2–.90 35S–5.0 179E–9.0 33 4.4L,4.3
ISC Event type se.
NOU South of Kermadec Islands.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC II 23 11 01 22.3–2.1 34.6S–.10 179.8E–.20 250 16 3-148
NOU II 23 11 00 53.0 32.96S 177.76W 221 4.3b **¶610384875**
IDC II 23 11 01 26.9–4.3 34.90S 179.93E 262–42 3.8,2.7b
ISC Event type ke.
NOU South of Kermadec Islands.
IDC Error ellipse: s-maj=61.5km s-min=46.2km az=154.0.
ISC II 25 15 22 15.9–.96 32.33S–.07 178.0W–.20 35 4.1b 82 3-161
WEL II 25 15 22 16.8–.54 32S–7.0 179W–18 33 4.8L,4.7 **¶610385007**
IDC II 25 15 22 19.0–2.4 31.99S 179.16W 71–21 4.1,3.8b
ISC Event type ke.
WEL Error ellipse: s-maj=0.0km s-min=0.0km az=110.4. smi:org.gfz-potsdam.de/geofon/LOCSAT.
earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=27.4km s-min=17.8km az=103.0.
ISC II 26 09 10 04.6–3.6 34.8S–.20 179.2E–.20 150 75 3-7
NOU II 26 09 09 58.8 34.75S 179.26E 287 4.0 **¶612488912**
WEL II 26 09 10 06.3–1.1 35S–6.0 179E–11 12 4.1L,3.9
ISC Event type se.
NOU South of Kermadec Islands.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC II 26 17 17 12.6–1.5 32.7S–.10 179.2W–.30 61 4.1b 7 6-151
IDC II 26 17 17 03.2–1.5 32.35S 178.87W 0 4.0,4.0b **¶610385075**
ISC Event type ke.
IDC Error ellipse: s-maj=39.3km s-min=32.6km az=73.0.
WEL II 27 08 48 27.6–.91 34S–17 180E–23 311–14 4.2b,4.1 ¶614541646
WEL smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC II 28 10 54 60.0–2.8 33.4S–.20 178.5E–.30 150 3.9b 18 4-147
IDC II 28 10 54 23.2–3.0 31.73S 178.42W 0 4.0,4.0b **¶611149113**
NEIC II 28 10 55 00–.44 33.4S–.20 178.6E–.20 152–17 4.0b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC III 01 06 00 02.6–9.5 32.49S 179.96W 297–104 3.7,3.1b ¶610545300
IDC Error ellipse: s-maj=111.1km s-min=50.0km az=2.0.
ISC III 01 17 03 05.0–1.5 32.3S–.10 179.3E–.20 250 79 4-13
WEL III 01 17 03 06.1–.51 33S–8.0 180W–20 267–12 4.7L,4.5 **¶614541736**
NOU III 01 17 03 30.4 34.56S 178.82E 338 4.3,4.5
ISC Event type ke.
WEL Error ellipse: s-maj=0.0km s-min=0.0km az=111.0. smi:org.gfz-potsdam.de/geofon/LOCSAT.
earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU South of Kermadec Islands.
ISC III 03 00 45 32.8–1.1 33.1S–.10 179.6E–.20 10 4.0b 17 4-152
IDC III 03 00 45 17.1–2.3 32.63S 178.21W 0 4.0,4.0b **¶610545417**
NEIC III 03 00 45 34.8–1.2 33.04S–.09 179.46E–.06 10–2 4.0b,4.0b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 03 21 38 52.7–1.0 34.01S–.07 178.5W–.10 37 3.8b 87 4-152
NEIC III 03 21 38 42.8–1.6 34.0S–.20 177.6W–.20 10–2 4.1b **¶610545477**
IDC III 03 21 38 50.8–2.1 33.61S 179.26W 0 4.4L,3.8
WEL III 03 21 38 54.4–.64 34S–5.0 179W–12 124–27 5.0b,4.8L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL III 08 07 27 12.1–1.3 34S–25 179W–34 186–40 4.6b,4.2L ¶614542156
WEL smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC III 09 23 18 59.5–3.0 34.74S 179.67W 0 3.5,3.5b ¶610545903
IDC Error ellipse: s-maj=72.0km s-min=45.6km az=123.0.
IDC III 11 06 08 44.3–8.2 32.25S 179.78W 106–62 3.9,3.5b ¶610546000
IDC Error ellipse: s-maj=62.4km s-min=27.4km az=50.0.
IDC III 12 02 49 55.3–6.7 32.10S 179.42E 520–92 3.9,2.9b ¶610546054
IDC Error ellipse: s-maj=119.3km s-min=41.8km az=1.0.
WEL III 15 14 20 00.4–1.3 33S–20 180E–39 407–26 5.1,5.1 ¶614542539
WEL smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC III 15 15 27 32.5–1.7 33.43S–.09 179.5W–.10 250 121 4-14
WEL III 15 15 27 36.3–.96 33S–6.0 180W–13 20–8 5.3b,4.8L **¶614542545**
NOU III 15 15 28 07.4 35.77S 178.30E 237 4.1,4.8L
ISC Event type ke.
WEL Error ellipse: s-maj=0.0km s-min=0.0km az=110.6. smi:org.gfz-potsdam.de/geofon/LOCSAT.
earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU Off E. Coast of N. Island, N.Z.
IDC III 16 11 55 51.2–2.9 32.97S 179.03W 0 4.0L,3.9 ¶610546310
IDC Error ellipse: s-maj=68.1km s-min=44.6km az=119.0.
IDC III 17 13 56 29.2–3.0 32.36S 178.34W 0 4.1,4.0b ¶610546384
IDC Error ellipse: s-maj=68.7km s-min=35.9km az=113.0.
IDC III 17 13 57 14.6–3.3 32.34S 178.24W 0 4.2,4.2b ¶610546387
IDC Error ellipse: s-maj=74.3km s-min=37.7km az=113.0.
ISC III 18 22 37 29.6–1.6 34.0S–.10 178.3W–.10 37 48 4-148
IDC III 18 22 37 28.5–2.8 33.83S 178.99W 0 4.0,4.0b **¶610546476**
WEL III 18 22 37 33.6–.89 34S–7.0 178W–7.0 33 4.8b,4.5L
ISC Event type ke.
WEL smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC III 19 11 38 14.2–.24 33.21S–.04 178.95W–.05 35–2 5.2b,4.1s 500 4-173
NOU III 19 11 38 04.8 33.88S 176.91W 102 5.1b,4.1s **¶615092531**
WEL III 19 11 38 11.4–1.3 33S–10 178W–29 33 5.8b,5.7L
MOS III 19 11 38 13.2–1.0 33.11S 179.20W 31 5.3b,5.7L
NEIC III 19 11 38 15.0–2.2 33.15S–.07 179.1W–.10 33–2 5.2b,5.7L
GCMT III 19 11 38 17.0–.30 33.16S–.02 179.08W–.03 49–1 4.9W,5.7L
IDC III 19 11 38 19.0–1.6 33.13S 179.17W 72–13 4.7,4.4b
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s46.64714°,δ16.87891°,λ125.14898°. NP2: ϕ_s190.30199°,δ76.26645°,λ80.09149°. Principal axes: T Plg57.6202°,Azm87.1693° ; N Plg9.6225°,Azm192.6767°; P Plg30.5821°,Azm288.4271°
NOU South of Kermadec Islands.
WEL Error ellipse: s-maj=0.0km s-min=0.0km az=107.6. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
MOS Error ellipse: s-maj=13.5km s-min=12.3km az=96.1.
NEIC Event type se. Error ellipse: s-maj=16.6km s-min=10.0km az=105.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s45,c51; s59,c78;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}2.60±.18 $M_{\theta\theta}$-1.35±.14; $M_{\phi\phi}$-1.25±.12; $M_{r\theta}$-0.53±.11; $M_{\theta\phi}$-1.67±.08; $M_{\phi r}$-1.19±.09; Best double couple: NP1:ϕ_s216.00000°,δ58.00000°,λ78.00000°. NP2:ϕ_s57.00000°,δ34.00000°,λ108.00000°. Principal axes: T 2.9390,Plg74.0000° ,Azm93.0000°; N 0.2860,Plg10.0000°,Azm222.0000°; P -3.2250,Plg12.0000°,Azm314.0000° $M_0$3.08200×10^{16}
IDC Error ellipse: s-maj=14.7km s-min=11.7km az=10.0.
IDC III 19 17 56 49.3–2.9 32.37S 178.21W 0 3.6,3.6b ¶610546527
IDC Error ellipse: s-maj=72.5km s-min=45.7km az=127.0.
IDC III 20 19 29 22.9–2.9 32.17S 178.28W 0 3.7,3.6b ¶610543352
IDC Error ellipse: s-maj=70.4km s-min=45.5km az=125.0.
ISC III 20 23 42 37.7–.53 32.25S–.05 178.3W–.10 10 4.4b,3.9s 117 3-161
IDC III 20 23 42 36.6–.68 32.17S 178.29W 0 4.2,4.2b **¶610401434**
NEIC III 20 23 42 37.5–2.7 32.27S–.07 178.0W–.20 10–1 4.5b,4.2b
WEL III 20 23 42 39.1–.72 32S–10 179W–27 33 5.3L,5.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC III 21 03 37 46.7–1.9 32.4S–.20 178.3W–.30 10 6 3-161
IDC III 21 03 37 44.4–2.1 32.21S 178.22W 0 3.9,3.9b **¶610543375**
ISC Event type ke.
IDC Error ellipse: s-maj=47.4km s-min=46.4km az=72.0.
IDC III 23 07 43 18.3–3.0 33.05S 178.47W 0 3.8,3.7b ¶610543519
IDC Error ellipse: s-maj=70.9km s-min=36.3km az=117.0.
IDC III 25 11 16 52.4–3.0 32.76S 178.69W 0 3.6,3.6b ¶610543638
IDC Error ellipse: s-maj=69.9km s-min=36.2km az=113.0.
ISC III 28 13 23 08.0–1.3 32.2S–.10 178.3W–.30 10 4.3b 19 3-147
IDC III 28 13 23 06.3–2.8 32.25S 178.18W 0 4.1b,4.0 **¶610543852**
NEIC III 28 13 23 07.1–1.2 32.25S–.10 178.1W–.20 10–2 4.4b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL III 28 20 51 20.3–.59 33S–4.0 179W–9.0 33 4.8b,4.6L ¶614543284
WEL smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC III 29 10 33 58.4–.85 34.57S–.06 179.75E–.09 150 4.0b 105 3-159
NOU III 29 10 33 42.1 33.91S 179.09W 311 4.7 **¶610543922**
WEL III 29 10 34 00.5–.66 35S–5.0 180E–9.0 151–18 5.0b,4.8L
IDC III 29 10 34 01.2–4.6 34.53S 179.08E 170–33 4.3,3.8b
ISC Event type ke.
NOU South of Kermadec Islands.
WEL Error ellipse: s-maj=0.0km s-min=0.0km az=110.8. smi:org.gfz-potsdam.de/geofon/LOCSAT.
earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=48.0km s-min=18.2km az=53.0.
WEL III 31 18 12 37.4–1.0 34S–23 178W–30 33 4.5b,4.0L ¶614563127
WEL smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.
WEL IV 04 09 19 14.3–1.1 33S–21 179E–34 244–40 5.0b,4.4L ¶614544009
WEL smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 06 14 34 40.5–1.4 34S–17 180W–31 291–28 4.2,4.2 ¶614544125
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC IV 07 00 59 49.4–1.6 34.91S–.09 179.0E–.10 150 3.8b 32 3-148
IDC IV 07 00 59 49.6–6.6 34.64S 178.97E 125–50 4.0,3.5s **¶610652114**
WEL IV 07 00 59 50.1–1.2 35S–13 179E–13 172–31 4.1L,3.8
ISC Event type se.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 07 06 25 47.0–.66 33S–12 180W–29 306–12 4.7b,4.6L ¶614544156
WEL smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 09 21 38 39.9–.93 34S–10 180E–19 333 4.2b,4.2L ¶614544323
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC IV 11 15 34 25.2–.97 32.8S–.10 178.7W–.20 10 4.2b 12 4-160
IDC IV 11 15 34 24.3–1.9 32.79S 178.77W 0 4.1b,4.0 **¶610652474**
NEIC IV 11 15 34 28.1–.84 32.74S–.09 178.5W–.10 35–2 4.4b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL IV 13 12 06 56.4–1.2 35S–11 179W–14 115–56 5.3b,4.7 ¶614544488
WEL smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC IV 14 07 36 11.0–.96 33.30S–.07 178.7W–.10 35 3.9b 51 4-152
IDC IV 14 07 36 06.2–1.5 32.90S 178.99W 0 4.0,3.9b **¶610598361**
WEL IV 14 07 36 11.3–.67 33S–6.0 179W–13 33 4.8b,4.7L
ISC Event type ke.
WEL smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 15 03 45 10.8–1.2 33S–8.0 179W–18 110–61 4.6b,4.5L ¶614544560

WEL smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 18 18 15 37.2–1.6 33S–16 180E–22 370–28 4.3b,4.2L ¶614544760
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 19 09 21 21.0–.91 34S–10 180E–16 247–25 4.3b,3.8 ¶614544781
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC IV 19 12 41 40.8–3.3 33.1S–.20 179.7W–.20 400 53 5-9
WEL IV 19 12 41 41.3–1.1 33S–11 180W–21 429–20 4.5L,4.4 **¶614544793**
NOU IV 19 12 42 21.4 36.00S 178.87E 251 3.4,4.4
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=100.3.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU Off E. Coast of N. Island, N.Z.
WEL IV 20 11 33 30.9–1.4 32S–11 179E–23 478–28 4.5b,4.4L ¶614544853
WEL smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC IV 22 02 20 10.5–.53 34.61S–.05 179.71W–.07 35 4.6b,3.9s 122 3-159
WEL IV 22 02 20 12.9–.59 35S–4.0 180W–8.0 33 5.3L,5.1 **¶610547519**
IDC IV 22 02 20 16.6–2.8 34.48S 179.95E 75–23 4.3,4.1b
NEIC IV 22 02 20 18.0–1.7 35.1S–.10 179.9E–.10 87–10 4.6b,4.1b
NOU IV 22 02 20 18.9 35.23S 179.80E 202 4.7b,4.1b
ISC Event type se.
WEL Error ellipse: s-maj=0.0km s-min=0.0km az=112.3. smi:org.gfz-potsdam.de/geofon/LOCSAT.
earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=22.6km s-min=16.0km az=40.0.
NEIC Event type se. Error ellipse: s-maj=18.8km s-min=16.8km az=181.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Off E. Coast of N. Island, N.Z.
WEL IV 23 15 12 57.1–1.2 32S–14 179W–32 339–22 4.4L,4.2b ¶614545011
WEL smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC IV 27 06 24 21.8–.52 32.29S–.05 178.76W–.09 50 4.7b,3.6s 136 3-161
WEL IV 27 06 24 19.0–.74 32S–7.0 178W–16 33 5.2b,5.1L **¶610598462**
NEIC IV 27 06 24 20.0–1.9 32.32S–.06 179.0W–.20 18–5 4.7b,5.1L
IDC IV 27 06 24 24.8–2.3 32.11S 178.81W 72–21 4.5,4.2b
ISC Event type se.
WEL Error ellipse: s-maj=0.0km s-min=0.0km az=110.8. smi:org.gfz-potsdam.de/geofon/LOCSAT.
earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=21.4km s-min=2.1km az=112.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=20.9km s-min=14.9km az=117.0.
WEL IV 27 07 02 02.9–.94 34S–6.0 178E–16 33 4.4b,4.0L ¶614545182
WEL smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC IV 28 16 26 49.8–3.1 32.56S 178.23W 0 3.9,3.9b ¶610650231
IDC Error ellipse: s-maj=71.3km s-min=36.7km az=115.0.
WEL IV 30 16 21 53.7–2.6 34S–25 180E–27 217–46 4.6L,4.5b ¶614563264
WEL Event type se. smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual.
confirmed.
IDC V 01 11 44 04.3–3.1 33.29S 179.21W 0 3.7s,3.7L ¶610689303
IDC Error ellipse: s-maj=69.9km s-min=46.2km az=115.0.
IDC V 03 05 05 48.1–3.0 32.97S 179.03W 0 3.7L,3.6 ¶610689432
IDC Error ellipse: s-maj=71.2km s-min=47.2km az=122.0.
ISC V 03 16 13 19.9–4.2 34.3S–.20 179.7E–.20 200 29 3-7
WEL V 03 16 13 21.8–1.8 34S–32 179E–26 20–56 4.3b,4.2L **¶612489637**
NOU V 03 16 13 36.1 35.85S 179.47E 213 4.1,4.2L
ISC Event type ke.
WEL Error ellipse: s-maj=0.1km s-min=0.0km az=37.8. smi:org.gfz-potsdam.de/geofon/LOCSAT.
earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU Off E. Coast of N. Island, N.Z.
ISC V 07 00 49 36.0–.68 33.36S–.06 178.9W–.10 35 4.7b,3.5s 47 4-160
NOU V 07 00 49 13.7 32.44S 177.05W 123 4.5b,3.5s **¶610669487**
IDC V 07 00 49 30.8–.85 33.13S 179.01W 0 4.6,4.6b
WEL V 07 00 49 35.0–.92 33S–8.0 179W–20 33 5.0b,4.9L
ISC Event type ke.
NOU South of Kermadec Islands.
WEL smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC V 07 02 37 04.3–3.1 32.39S 178.21W 0 3.7,3.7L ¶610689696
IDC Error ellipse: s-maj=73.7km s-min=46.7km az=119.0.
ISC V 07 05 29 08.7–.47 34.48S–.04 179.83W–.05 59–3 4.9b,3.9s 175 3-174
BJI V 07 05 29 03.1–.00 33.93S 179.46W 20 5.4b,5.0b **¶610617823**
NEIC V 07 05 29 06.0–2.0 34.47S–.09 179.8W–.20 35–1 5.0b,5.0b
GCMT V 07 05 29 07.0–.40 34.62S–.03 179.66W–.03 64–2 5.0W,5.0b
IDC V 07 05 29 10.7–3.1 34.45S 179.95W 75–25 4.6,4.3b
WEL V 07 05 29 15.8–1.1 35S–6.0 180W–10 33 5.2b,4.7L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s44,c49; s54,c66;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}2.66±.24 $M_{\theta\theta}$2.69±.26; $M_{\phi\phi}$-5.35±.22; $M_{r\theta}$-1.21±.16; $M_{\theta\phi}$0.52±.20; $M_{\phi r}$1.02±.18; Best double couple: NP1:ϕ_s323.00000°,δ66.00000°,λ41.00000°. NP2:ϕ_s213.00000°,δ53.00000°,λ149.00000°. Principal axes: T 3.8990,Plg46.0000° ,Azm183.0000°; N 1.6350,Plg43.0000°,Azm348.0000°; P -5.5330,Plg8.0000°,Azm85.0000° $M_0$4.71600×10^{16}
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC V 07 05 58 25.4–1.1 34.59S–.08 179.8W–.10 50 4.4b 61 3-148
IDC V 07 05 58 16.2–2.7 34.15S 179.56W 0 4.2,4.2b **¶610689699**
NOU V 07 05 58 26.2 34.53S 179.69W 89 4.2,4.2b
NEIC V 07 05 58 29.5–.51 34.64S–.08 179.8E–.20 66–11 4.4b,4.2b
WEL V 07 05 58 31.5–1.3 35S–6.0 180W–12 33 4.2L,4.0
ISC Event type se.
NOU South of Kermadec Islands.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC V 07 06 40 39.1–1.1 33.85S–.08 179.2W–.10 50 4.7b,3.2s 43 4-159
IDC V 07 06 40 29.6–1.4 33.44S 179.01W 0 4.1L,4.0 **¶610618173**
WEL V 07 06 40 43.1–1.4 34S–13 179W–14 104–106 4.8b,4.3L
ISC Event type se.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL V 07 13 00 46.8–1.2 33S–10 179W–19 271–31 4.6L,4.2 ¶610618171
WEL smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC V 10 03 05 04.7–.97 32.09S–.09 180.0W–.10 350 58 3-146
IDC V 10 03 05 10.7–4.6 32.61S 179.74E 407–52 4.2,3.1b **¶610689931**
WEL V 10 03 05 16.6–1.1 32S–8.0 180W–16 272–20 4.7,4.6b
NOU V 10 03 05 28.3 33.78S 178.53E 346 4.1b,4.6b
ISC Event type ke.
IDC Error ellipse: s-maj=56.7km s-min=43.9km az=178.0.
WEL Error ellipse: s-maj=0.0km s-min=0.0km az=112.2. smi:org.gfz-potsdam.de/geofon/LOCSAT.
earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU South of Kermadec Islands.
ISC V 11 06 22 42.4–.60 33.42S–.08 179.9W–.20 150 4.2b 52 4-160
IDC V 11 06 22 39.9–4.2 33.27S 179.96E 123–35 4.2,3.8b **¶610667660**
NEIC V 11 06 22 40.5–.93 33.5S–.10 179.8W–.20 111–9 4.1b,3.8b
WEL V 11 06 22 41.4–.91 34S–9.0 179W–19 33 4.9b,4.7L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC V 13 02 15 46.5–.44 33.68S–.05 178.53W–.07 35 4.8b,4.3s 207 4-162
IDC V 13 02 15 41.8–.74 33.39S 178.63W 0 5.1L,4.8 **¶615092641**
WEL V 13 02 15 44.1–.63 34S–6.0 178W–11 33 5.3b,5.3L
NEIC V 13 02 15 45.8–2.2 33.68S–.09 178.7W–.20 21–2 4.7b,5.3L
NOU V 13 02 15 47.0 33.98S 178.25W 63 4.9b,5.3L
ISC Event type se.
IDC Error ellipse: s-maj=25.1km s-min=17.6km az=70.0.
WEL Error ellipse: s-maj=0.0km s-min=0.0km az=114.8. smi:org.gfz-potsdam.de/geofon/LOCSAT.
earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=18.9km s-min=13.7km az=89.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU South of Kermadec Islands.
ISC V 13 02 18 38.8–.65 33.72S–.06 178.33W–.09 35 4.6b 124 4-160
IDC V 13 02 18 35.9–.96 33.43S 178.66W 0 4.9L,4.6 **¶610667671**
WEL V 13 02 18 37.7–.68 34S–6.0 178W–12 33 5.4b,5.3L
NEIC V 13 02 18 46.4–1.1 33.9S–.10 178.74W–.10 79–8 4.6b,5.3L
ISC Event type se.
WEL smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 13 02 23 25.7–2.0 33.6S–.20 178.8W–.40 48 7 6-153
IDC V 13 02 23 19.5–2.0 33.33S 178.79W 0 4.1,4.1L **¶610690164**
ISC Event type ke.
IDC Error ellipse: s-maj=63.7km s-min=38.6km az=137.0.
IDC V 13 06 15 23.8–3.1 33.41S 178.83W 0 3.7,3.6b ¶610690175
IDC Error ellipse: s-maj=72.2km s-min=46.3km az=121.0.
IDC V 13 08 25 04.8–3.2 33.71S 178.33W 0 3.9L,3.8 ¶610690182
IDC Error ellipse: s-maj=77.2km s-min=37.0km az=121.0.
IDC V 13 10 32 49.4–3.2 33.42S 178.75W 0 3.9L,3.7 ¶610690188
IDC Error ellipse: s-maj=75.8km s-min=46.6km az=119.0.
WEL V 14 16 18 48.7–4.2 34S–31 179E–20 33 4.6b,4.1L ¶614545898
WEL smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC V 15 21 02 44.3–1.1 32.06S–.09 179.4W–.20 200 21 3-146
WEL V 15 21 02 39.7–3.4 32S–20 179W–26 305–49 4.8L,4.6b **¶610690357**
IDC V 15 21 02 51.5–9.0 32.51S 179.88W 248–96 3.7,3.0b
ISC Event type ke.
WEL Error ellipse: s-maj=0.0km s-min=0.0km az=83.6. smi:org.gfz-potsdam.de/geofon/LOCSAT.
earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=102.0km s-min=48.6km az=0.0.
ISC V 16 00 20 51.9–1.0 32.64S–.09 179.8E–.20 200 4.0b 47 4-161
IDC V 16 00 20 50.8–5.6 32.53S 179.97E 193–40 4.3,3.9b **¶610690369**
NEIC V 16 00 20 51.9–1.7 32.7S–.10 179.8E–.20 191–16 4.0b,3.9b
WEL V 16 00 22 27.1 39S–38 176E–17 51–28 2.1,2.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL smi:org.gfz-potsdam.de/geofon/NonLinLoc. earthModelID
smi:org.gfz-potsdam.de/geofon/nz3drx. automatic.
ISC V 19 23 58 26.2–1.6 33.2S–.10 178.7W–.20 32 4.4b 14 6-148
IDC V 19 23 58 21.1–2.9 33.01S 178.48W 0 3.9,3.9L **¶610690707**
NEIC V 19 23 58 23.8–.65 33.2S–.10 178.6W–.20 10–2 4.4b,3.9L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL V 20 03 40 11.5–1.8 34S–20 180W–20 299–27 4.7L,4.4b ¶614546112
WEL smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL V 20 07 20 54.7–1.4 33S–12 179E–23 417–29 4.7b,4.4L ¶614546119
WEL smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC V 20 12 27 26.1–3.4 33.61S 178.61W 0 3.6,3.5b ¶610685027
IDC Error ellipse: s-maj=78.3km s-min=48.4km az=120.0.
ISC V 20 12 36 18.3–1.7 34.9S–.10 179.3E–.10 200 35 3-6
NOU V 20 12 34 24.6 27.04S 175.31W 262 4.3b **¶614546129**
WEL V 20 12 36 18.3–1.3 35S–8.0 179E–10 194–40 4.1L,4.0
ISC Event type se.
NOU Kermadec Islands Region.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC V 20 15 31 32.6–1.3 33.84S–.10 179.6E–.10 300 3.4b 42 4-148
IDC V 20 15 31 27.8–5.7 33.34S 179.43E 218–42 4.1,3.4b **¶610685035**
WEL V 20 15 31 32.5–3.2 34S–9.0 180E–12 293–77 4.6,4.6L
NOU V 20 15 31 47.7 34.70S 178.35E 271 4.7,4.6L
ISC Event type ke.
IDC Error ellipse: s-maj=56.5km s-min=23.3km az=46.0.
WEL Error ellipse: s-maj=0.0km s-min=0.0km az=111.6. smi:org.gfz-potsdam.de/geofon/LOCSAT.
earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU South of Kermadec Islands.
IDC V 20 21 20 42.3–7.5 33.87S 178.29W 0 3.7,3.7b ¶610685047
IDC Error ellipse: s-maj=370.9km s-min=56.5km az=163.0.
IDC V 21 17 26 00.5–6.4 32.66S 179.44W 0 3.5,3.5b ¶610685093
IDC Error ellipse: s-maj=274.1km s-min=62.7km az=160.0.
ISC V 21 20 26 32.6–.84 33.29S–.07 178.6W–.10 35 4.5b,3.5s 94 4-160
NOU V 21 20 25 47.5 31.06S 175.12W 187 4.6b,3.5s **¶610667712**
IDC V 21 20 26 28.4–1.1 32.98S 178.76W 0 4.4,4.4b
NEIC V 21 20 26 29.2–2.8 33.26S–.09 178.8W–.20 10–2 4.5b,4.4b
WEL V 21 20 26 34.1–.86 33S–7.0 179W–15 33 5.2b,5.0L
ISC Event type se.
NOU Kermadec Islands Region.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC V 23 02 17 51.7–.65 33.34S–.06 178.29W–.10 41 4.5b 80 4-160
IDC V 23 02 17 46.3–.79 33.14S 178.31W 0 4.3,4.3b **¶610667720**
NEIC V 23 02 17 48.2–.78 33.5S–.10 178.3W–.10 10–1 4.5b,4.3b
WEL V 23 02 17 49.1–.95 33S–7.0 178W–17 33 4.9L,4.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC V 23 04 58 38.0–.39 32.48S–.05 179.68E–.07 400 4.2b 198 4-162
NEIC V 23 04 58 37.7–1.6 32.46S–.09 179.6E–.10 387–3 4.3b **¶610667722**
IDC V 23 04 58 38.5–1.1 32.35S 179.61E 402–10 4.7,3.8b
NOU V 23 04 58 38.3 32.64S 179.84W 440 4.6b,3.8b
WEL V 23 04 58 40.8–1.0 33S–6.0 180W–15 360–15 5.6,5.6b

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU South of Kermadec Islands.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC V 23 19 47 44.2–3.3 33.19S 178.79W 0 3.4,3.4b
¶610685247
IDC Error ellipse: s-maj=76.3km s-min=49.2km az=120.0.
ISC V 23 19 54 19.9–.83 33.71S–.07 178.4W–.10 35 4.4b 84 4-160
IDC V 23 19 54 17.6–1.0 33.57S 178.62W 0 4.3,4.3L **¶610685248**
NEIC V 23 19 54 17.6–2.3 33.9S–.10 178.32W–.09 10–2 4.5b,4.3L
WEL V 23 19 54 19.4–.70 34S–6.0 178W–12 33 5.0L,4.7
NOU V 23 19 54 29.3 34.28S 178.62W 127 4.6,4.7
ISC Event type se.
IDC Error ellipse: s-maj=33.9km s-min=30.3km az=103.0.
NEIC Event type se. Error ellipse: s-maj=20.2km s-min=11.8km az=17.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL Error ellipse: s-maj=0.0km s-min=0.0km az=114.8. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU South of Kermadec Islands.
ISC V 23 20 02 47.8–.62 33.86S–.06 178.60W–.08 35 4.6b,3.7s 107 4-161
IDC V 23 20 02 42.3–.89 33.70S 178.53W 0 4.4,4.4b **¶610667726**
NEIC V 23 20 02 44.7–2.5 34.05S–.07 178.6W–.10 10–1 4.6b,4.4b
WEL V 23 20 02 44.4–.76 34S–7.0 178W–16 33 5.1L,5.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC V 24 21 21 13.1–.64 34.17S–.06 179.15E–.09 200 4.2b 93 3-159
NOU V 24 21 20 59.7 33.43S 179.26W 182 4.8 **¶614546339**
IDC V 24 21 21 09.6–1.4 33.66S 179.51E 188–14 4.4,3.8b
NEIC V 24 21 21 12.7–1.8 33.93S–.09 179.4E–.20 206–6 4.3b,3.8b
WEL V 24 21 21 13.1–.91 35S–12 180W–17 333 5.0L,4.7
ISC Event type se.
NOU South of Kermadec Islands.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC V 25 23 51 28.9–1.1 32.27S–.09 178.3W–.20 33 4.1b 17 3-147
IDC V 25 23 51 25.6–3.0 32.33S 178.13W 0 3.8b,3.7 **¶610685396**
NEIC V 25 23 51 26.5–1.5 32.36S–.08 178.3W–.20 10–2 4.3b,3.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC V 26 08 05 38.5–2.2 33.06S 179.00W 0 3.7,3.7L
¶610685418
IDC Error ellipse: s-maj=51.8km s-min=34.9km az=61.0.
IDC V 26 23 12 02.1–3.4 32.67S 178.03W 0 3.8,3.8b
¶610685460
IDC Error ellipse: s-maj=77.1km s-min=48.2km az=119.0.
IDC V 27 01 01 42.5–3.4 33.50S 178.55W 0 3.5,3.5L
¶610685464
IDC Error ellipse: s-maj=79.2km s-min=38.3km az=117.0.
ISC V 27 03 28 54.0–2.0 33.3S–.10 178.3W–.30 35 24 4-148
IDC V 27 03 28 50.9–2.9 33.34S 178.43W 0 4.1,4.1b **¶610685472**
WEL V 27 03 28 54.5–2.1 33S–18 178W–63 55–269 4.6L,4.6b
ISC Event type ke.
WEL smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL V 27 06 11 05.5–1.6 33S–31 179W–39 388–47 4.3L,4.3
¶614546635
WEL smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC V 27 14 44 37.7–.62 33.83S–.07 179.69E–.09 35 4.7b,3.8s 107 4-160
WEL V 27 14 44 01.7–8.0 32S–53 178W–43 33 5.5L,5.5 **¶610685501**
NEIC V 27 14 44 31.5–2.8 33.83S–.09 179.95W–.05 10–2 4.6b,5.5
GCMT V 27 14 44 36.5–.30 33.80S–.03 179.48E–.02 18–1 4.8W,5.5
IDC V 27 14 44 41.2–3.7 33.89S 179.42E 56–32 4.5,4.5L
ISC Event type se.
WEL Event type se. Error ellipse: s-maj=0.1km s-min=0.0km az=38.4. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=15.3km s-min=7.8km az=6.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s29,c33; s73,c96;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-1.75±.17 $M_{\theta\theta}$-0.18±.11; $M_{\phi\phi}$1.92±.11; $M_{r\theta}$0.66±.25; $M_{\theta\phi}$1.35±.07; $M_{\phi r}$0.78±.20; Best double couple: NP1:ϕ_s217.00000°,δ58.00000°,λ-77.00000°. NP2:ϕ_s12.00000°,δ34.00000°,λ-110.00000°. Principal axes: T 2.7950,Plg12.0000°,Azm297.0000°; N -0.7870,Plg11.0000°,Azm29.0000°; P -2.0140,Plg73.0000°,Azm161.0000° $M_0$2.40500×10^{16}
IDC Error ellipse: s-maj=28.4km s-min=17.3km az=72.0.
WEL V 27 15 10 41.8–7.7 33S–51 180W–41 33 4.7b,4.6L
¶614546681
WEL smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL V 29 06 23 22.5–1.2 35S–22 179E–41 237–23 4.1,4.1
¶614546791
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL V 29 09 53 26.7–.82 34S–9.0 179W–18 33 4.6L,4.6b
¶614546809
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC V 29 15 43 38.3–1.2 32.4S–.10 179.6W–.20 35 4.4b 27 3-147
IDC V 29 15 43 28.5–1.4 32.02S 178.67W 0 4.1,4.1b **¶616918736**
NEIC V 29 15 43 34.5–1.1 31.9S–.10 178.7W–.20 39–16 4.4b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 30 01 39 37.1–1.9 33.4S–.10 179.4W–.10 150 76 4-160
IDC V 30 01 39 35.7–7.1 33.05S 179.94E 138–58 3.9,3.3b **¶610685683**
WEL V 30 01 39 42.1–1.7 34S–17 180W–18 167–58 4.8b,4.6L
NOU V 30 01 39 43.5 34.31S 178.99W 302 4.6,4.6L
ISC Event type ke.
IDC Error ellipse: s-maj=58.6km s-min=37.1km az=40.0.
WEL Error ellipse: s-maj=0.0km s-min=0.0km az=51.2. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU South of Kermadec Islands.
ISC V 30 13 51 52.3–2.0 32.6S–.10 179.8W–.20 350 61 5-147
WEL V 30 13 51 38.9–1.6 32S–17 178W–23 416–23 4.8L,4.5 **¶610685725**
IDC V 30 13 51 52.2–4.3 32.44S 180.00W 337–44 4.0,3.1b
ISC Event type ke.
WEL Error ellipse: s-maj=0.0km s-min=0.0km az=115.8. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=47.7km s-min=39.3km az=167.0.
ISC VI 01 08 40 35.9–1.2 33.55S–.07 178.6W–.10 41 3.5b 51 4-148
IDC VI 01 08 40 33.2–2.2 33.16S 179.23W 0 3.7,3.6b **¶610791045**
WEL VI 01 08 40 37.3–.63 34S–6.0 179W–13 33 4.7b,4.5L
ISC Event type ke.
WEL smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC VI 01 09 50 06.0–3.3 32.67S 178.29W 0 3.9,3.8b
¶610791052
IDC Error ellipse: s-maj=73.4km s-min=36.9km az=113.0.
WEL VI 02 06 44 49.2–.80 33S–8.0 180W–16 169–25 4.5b,4.4L
¶614547078
WEL smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL VI 02 11 59 48.1–4.0 33S–15 177W–42 130–154 4.7,4.7
¶614547089
WEL smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC VI 02 14 34 02.5–1.4 33.41S–.09 178.8W–.20 35 21 4-148
IDC VI 02 14 33 56.6–2.9 33.12S 178.96W 0 3.8,3.8b **¶610764457**
WEL VI 02 14 34 02.8–1.0 33S–8.0 179W–16 33 5.0b,4.6L
ISC Event type ke.
WEL smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC VI 07 07 52 14.3–1.2 33.28S–.10 178.9W–.10 35 4.0b 49 4-148
IDC VI 07 07 52 08.9–1.8 32.95S 179.16W 0 4.3L,4.1 **¶610791390**
WEL VI 07 07 52 13.3–1.1 33S–8.0 178W–16 33 5.0b,4.8L
ISC Event type ke.
WEL smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC VI 07 13 21 23.6–.56 34.38S–.05 178.71W–.08 35 4.4b,2.8s 135 4-159
WEL VI 07 13 21 19.2–1.3 34S–8.0 178W–15 196–46 5.2L,5.0 **¶610760923**
IDC VI 07 13 21 20.4–1.0 34.10S 179.12W 0 5.1L,4.4
NEIC VI 07 13 21 22.7–3.0 34.42S–.07 179.1W–.10 10–1 4.6b,4.4
ISC Event type se.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL VI 07 20 40 10.5–1.6 34S–9.0 178W–18 192–49 4.7b,4.6L
¶614547377
WEL smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL VI 08 13 33 33.5–.84 33S–7.0 180E–16 450–12 4.4,4.1b
¶614547403
WEL smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL VI 08 13 34 11.7–2.7 32S–49 180W–82 254–125 4.2,4.2
¶614547406
WEL smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC VI 08 23 31 08.7–3.5 33.4S–.20 180.0W–.20 250 76 4-10
WEL VI 08 23 31 15.3–2.1 34S–29 179E–27 294–42 4.7b,4.5L **¶614547428**
NOU VI 08 23 31 42.7 35.97S 179.25E 222 4.1,4.5L
ISC Event type ke.
WEL Error ellipse: s-maj=0.0km s-min=0.0km az=38.2. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NOU Off E. Coast of N. Island, N.Z.
ISC VI 11 13 08 22.9–.75 32.65S–.09 179.8W–.10 100 4.3b 22 4-147
IDC VI 11 13 08 07.2–1.8 32.02S 179.10W 0 4.2b,4.1 **¶610791651**
NEIC VI 11 13 08 23.4–.28 32.71S–.09 179.8W–.20 97–9 4.4b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL VI 11 20 50 21.4–2.1 34S–25 179W–24 244–36 4.8b,4.4L
¶614547568
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC VI 13 02 44 53.1–1.1 32.9S–.10 178.6W–.20 35 4.1b 10 4-160
IDC VI 13 02 44 47.7–1.3 32.74S 178.33W 0 4.2,4.2b **¶610791753**
ISC Event type ke.
IDC Error ellipse: s-maj=38.6km s-min=31.1km az=64.0.
IDC VI 13 15 52 19.7–3.0 33.01S 178.42W 0 3.8,3.8b
¶610791785
IDC Error ellipse: s-maj=69.8km s-min=36.6km az=119.0.
IDC VI 14 00 34 22.4–9.9 32.35S 179.71W 171–99 4.1,3.7b
¶610791817
IDC Error ellipse: s-maj=93.1km s-min=45.2km az=2.0.
WEL VI 14 15 00 37.2–10 33S–79 180E–59 409–49 4.5L,4.3b
¶614547650
WEL smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC VI 15 02 30 40.8–2.1 32.11S 179.23W 0 3.9,3.9b
¶610791903
IDC Error ellipse: s-maj=61.1km s-min=36.3km az=47.0.
IDC VI 16 11 06 57.7–3.3 32.28S 179.52W 0 3.6,3.5b
¶610792000
IDC Error ellipse: s-maj=71.4km s-min=37.7km az=102.0.
ISC VI 16 17 24 39.2–.62 32.50S–.06 179.9W–.10 250 4.3b 147 4-161
WEL VI 16 17 24 36.9–1.3 33S–9.0 179W–14 342–25 5.1L,5.0 **¶612418591**
NEIC VI 16 17 24 38.8–2.2 32.43S–.08 180.0E–.20 241–8 4.3b,5.0
IDC VI 16 17 24 39.3–1.6 32.56S 179.90W 260–16 4.6,4.0b
NOU VI 16 17 24 57.7 33.89S 179.42E 284 4.1b,4.0b
ISC Event type se.
WEL Error ellipse: s-maj=0.0km s-min=0.0km az=112.0. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=22.7km s-min=10.8km az=105.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=26.4km s-min=17.6km az=119.0.
NOU South of Kermadec Islands.
ISC VI 17 09 27 15.1–5.8 34.3S–.30 179.8W–.40 300 59 4-9
NOU VI 17 09 26 56.9 33.18S 178.74W 346 3.9b **¶612490047**
WEL VI 17 09 27 09.0–4.7 34S–29 179W–31 328–23 4.6L,4.4b
ISC Event type ke.
NOU South of Kermadec Islands.
WEL smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL VI 19 09 49 18.2–1.1 33S–8.0 178W–18 33 4.7b,4.6L
¶614547891
WEL smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL VI 20 15 18 02.8–1.2 33S–23 180W–35 347–23 4.4L,4.4b
¶614547935
WEL smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC VI 20 18 02 29.0–3.2 32.20S 178.70W 0 3.5,3.4b
¶610789170
IDC Error ellipse: s-maj=73.6km s-min=37.7km az=109.0.
WEL VI 23 03 54 40.4–9.2 32S–66 180W–51 374–53 4.7L,4.5
¶614548056
WEL smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC VI 25 07 14 32.6–10 32.27S 179.77W 217–104 3.4,2.8b
¶610789431
IDC Error ellipse: s-maj=102.8km s-min=49.8km az=1.0.
ISC VI 27 14 43 21.9–1.1 34.23S–.09 178.3W–.10 37 4.2b 55 4-159
IDC VI 27 14 43 19.8–1.7 34.23S 178.72W 0 4.2,4.1b **¶610789578**
NEIC VI 27 14 43 20.3–1.6 34.3S–.10 178.7W–.10 10–2 4.3b,4.1b
WEL VI 27 14 43 21.9–.88 34S–7.0 178W–11 33 5.0b,4.8L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL VI 28 02 30 25.8–2.3 34S–28 179W–63 421–34 4.3L,4.1
¶614548245
WEL smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL VI 30 11 16 26.6–1.6 33S–12 179W–21 341–29 4.7L,4.5b
¶614563337
WEL smi:nz.org.geonet/LOCSAT. earthModelID smi:nz.org.geonet/iasp91. manual. confirmed.

SEISMIC REGION 13.
Fiji Area.

(180) North of Fiji Islands.
IDC IV 22 03 02 32.8–4.0 12.94S 173.72E 0 3.7,3.7b ¶610653239
IDC Error ellipse: s-maj=241.9km s-min=33.4km az=139.0.

(181) Fiji Islands region.
ISC I 01 01 17 55.4–1.3 19.3S–.40 177.5W–.20 550 3.4b 9 5-149
IDC I 01 01 17 59.1–2.9 18.73S 177.92W 581–25 3.7,2.8b ¶610236343
ISC Event type ke.
IDC Error ellipse: s-maj=89.8km s-min=18.9km az=149.0.
ISC I 01 08 32 52.5–1.4 16.9S–.50 179.1W–.40 533 3.4b 11 3-147
IDC I 01 08 32 54.1–1.9 17.05S 179.14W 555–17 4.0,3.1b ¶610236371
ISC Event type ke.
IDC Error ellipse: s-maj=76.7km s-min=17.4km az=147.0.
ISC I 01 09 33 03.8–.89 15.1S–.30 178.6W–.20 450 3.1b 8 4-86
IDC I 01 09 33 03.2–2.2 15.17S 178.54W 443–24 3.7,2.9b ¶610236374
ISC Event type ke.
IDC Error ellipse: s-maj=30.0km s-min=19.3km az=145.0.
ISC I 01 10 18 41.1–.66 20.7S–.10 178.49W–.10 500 3.7b 27 4-143
IDC I 01 10 18 41.1–4.0 20.62S 178.41W 504–34 3.9,3.0b ¶610236379
NEIC I 01 10 18 42.9–1.0 20.9S–.40 178.5W–.20 507–28 4.1b,3.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC I 01 16 32 21.0–65 16.44S 176.19W 401–175 3.9,3.0b ¶610236400
IDC Error ellipse: s-maj=912.8km s-min=157.2km az=76.0.
IDC I 01 17 03 46.4–17 19.07S 178.03W 0 3.7,3.7b ¶610236402
IDC Error ellipse: s-maj=432.5km s-min=51.6km az=121.0.
IDC I 01 20 18 46.2–9.3 18.69S 179.34W 491–34 3.7,2.9b ¶610236414
IDC Error ellipse: s-maj=288.3km s-min=34.2km az=142.0.
ISC I 01 21 56 24.9–3.2 17.5S–.70 178.3W–.70 550 3.9b 6 3-147
IDC I 01 21 56 30.4–3.2 17.50S 178.78W 584–20 4.2,3.2b ¶610236422
ISC Event type ke.
IDC Error ellipse: s-maj=111.0km s-min=31.8km az=143.0.
ISC I 02 03 08 50.2–.98 20.8S–.20 178.7W–.10 600 4.2b 39 4-150
NEIC I 02 03 08 50.0–1.1 20.69S–.06 178.6W–.20 602–14 4.3b ¶610236436
IDC I 02 03 08 50.7–2.0 20.74S 178.67W 602–19 4.3,3.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=28.4km s-min=7.7km az=84.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=36.2km s-min=14.0km az=148.0.
ISC I 02 08 00 27.6–1.5 18.2S–.60 178.1W–.40 550 3.2b 7 39-87
IDC I 02 08 00 34.4–8.3 18.30S 178.21W 633–104 3.7,2.7b ¶610236449
ISC Event type ke.
IDC Error ellipse: s-maj=91.7km s-min=36.0km az=149.0.
IDC I 02 09 51 07.0–10 17.96S 178.10W 617–120 3.6,2.6b ¶610236458
IDC Error ellipse: s-maj=114.8km s-min=37.1km az=147.0.
ISC I 02 12 16 38.3–1.2 19.4S–.20 177.9W–.20 600 4.1b 20 4-87
NEIC I 02 12 16 36.1–.63 19.5S–.20 177.7W–.20 576–7 4.1b ¶610236464
IDC I 02 12 16 36.1–2.4 19.45S 177.66W 577–25 4.0,3.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=28.1km s-min=25.5km az=74.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=34.2km s-min=28.6km az=173.0.
ISC I 02 16 41 18.3–.82 19.1S–.10 177.9W–.20 532 4.1b 25 8-87
NEIC I 02 16 41 15.8–.89 19.1S–.20 177.8W–.20 501–11 4.3b ¶610236493
IDC I 02 16 41 30.6–27 19.39S 178.19W 684–386 4.2,3.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=27.1km s-min=17.8km az=149.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=132.6km s-min=106.7km az=35.0.
ISC I 02 21 34 49.7–.59 21.89S–.09 179.44W–.10 600 4.3b 50 5-171
NEIC I 02 21 34 51.5–2.2 21.4S–.10 179.6W–.10 606–10 4.4b ¶610236515
IDC I 02 21 34 52.2–2.0 21.55S 179.64W 617–17 4.3,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.7km s-min=11.2km az=217.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=40.1km s-min=12.5km az=148.0.
IDC I 03 06 23 41.9–18 19.64S 179.14W 650–260 3.9,2.7b ¶610236534
IDC Error ellipse: s-maj=145.8km s-min=31.1km az=10.0.
IDC I 03 07 04 09.6–7.3 18.55S 177.15W 0 3.7,3.7b ¶610236539
IDC Error ellipse: s-maj=316.6km s-min=38.7km az=143.0.
ISC I 03 11 20 19.1–1.4 17.2S–.60 179.0W–.40 550 3.2b 8 3-87
IDC I 03 11 20 19.3–2.2 17.18S 178.96W 552–19 3.7,2.8b ¶610236555
ISC Event type ke.
IDC Error ellipse: s-maj=99.9km s-min=21.3km az=149.0.
ISC I 03 12 31 33.9–.59 21.2S–.10 177.94W–.09 495 4.1b 40 5-151
IDC I 03 12 31 32.0–2.0 21.34S 177.91W 473–20 4.3,3.4b ¶610236561
NEIC I 03 12 31 33.1–1.6 21.1S–.20 177.91W–.09 476–14 4.3b,3.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 03 15 41 45.7–.34 20.15S–.06 178.31W–.06 602 4.6b 336 2-173
NEIC I 03 15 41 45.8–2.6 20.1S–.10 178.3W–.10 600–1 4.6b ¶609967136
NOU I 03 15 41 46.7 20.09S 178.18W 621 4.9b
IDC I 03 15 41 47.7–.97 20.11S 178.38W 622–10 4.8,3.8b
ISC Event type se. Moment Tensor Solution. NP1:φs57.13686°,δ69.52042°,λ-143.99303°. NP2: φs312.87097°,δ56.58305°,λ-24.78210°. Principal axes: T Plg8.1651°,Azm182.4376° ; N Plg49.2722°,Azm82.8447°; P Plg39.5552°,Azm279.2437°
NEIC Event type se. Error ellipse: s-maj=17.1km s-min=16.1km az=178.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Fiji Islands Region.
IDC Error ellipse: s-maj=11.5km s-min=9.4km az=151.0.
ISC I 03 17 07 12.5–.29 15.06S–.06 178.82W–.05 401 4.5b 462 1-178
NOU I 03 17 07 13.8 15.03S 178.72W 428 4.6b ¶609967139
NEIC I 03 17 07 13.7–2.1 15.08S–.10 178.79W–.09 407–6 4.6b
IDC I 03 17 07 16.2–1.6 15.11S 178.94W 437–17 4.6,3.8b
ISC Event type se.
NOU Fiji Islands Region.
NEIC Event type se. Error ellipse: s-maj=15.1km s-min=11.7km az=143.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=12.9km s-min=11.5km az=142.0.
ISC I 03 18 16 51.9–.36 19.05S–.07 177.46W–.06 570 4.5b 229 2-174
NEIC I 03 18 16 51.3–1.8 19.1S–.10 177.4W–.10 565–8 4.6b ¶610236572
NOU I 03 18 16 52.7 19.02S 177.42W 583 4.5b
IDC I 03 18 16 52.9–1.6 19.24S 177.45W 579–18 4.5,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.0km s-min=12.7km az=138.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Fiji Islands Region.
IDC Error ellipse: s-maj=16.2km s-min=13.2km az=139.0.
ISC I 03 22 04 51.5–.50 18.9S–.10 176.19E–.09 10 4.4b 42 2-146
IDC I 03 22 04 50.8–.85 18.79S 176.05E 0 4.6L,4.2 ¶610236585
NEIC I 03 22 04 51.2–1.6 18.9S–.10 176.28E–.08 10–1 4.6b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC I 03 22 08 11.9–1.8 18.98S 176.09E 0 4.2L,3.8b ¶610236586
IDC Error ellipse: s-maj=78.9km s-min=24.7km az=161.0.
ISC I 03 22 29 28.5–1.4 18.9S–.60 176.0E–.30 10 3.8b 7 2-88
IDC I 03 22 29 27.2–1.9 18.84S 175.91E 0 5.0L,3.8 ¶610236596
ISC Event type ke.
IDC Error ellipse: s-maj=117.6km s-min=21.7km az=152.0.
IDC I 03 22 30 18.4–3.3 18.55S 175.47E 0 3.8,3.8b ¶610236599
IDC Error ellipse: s-maj=195.0km s-min=29.8km az=152.0.
ISC I 03 22 43 09.7–.57 18.9S–.10 176.30E–.09 10 4.9b 64 2-150
IDC I 03 22 43 08.8–1.4 18.71S 175.98E 0 5.1L,4.5 ¶610236604
NEIC I 03 22 43 10.1–2.6 18.99S–.05 176.43E–.06 10–1 5.0b,4.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC I 03 22 48 25.5–3.4 18.95S 175.63E 0 3.8,3.8b ¶610236606
IDC Error ellipse: s-maj=191.7km s-min=30.8km az=152.0.
ISC I 03 22 54 49.5–.79 18.9S–.20 176.1E–.10 10 4.0b 10 2-91
IDC I 03 22 54 48.1–.97 18.84S 176.06E 0 4.7L,4.0 ¶610236608
ISC Event type ke.
IDC Error ellipse: s-maj=42.3km s-min=17.5km az=150.0.
IDC I 03 22 56 57.8–1.5 18.10S 175.88E 0 4.5L,3.8b ¶610236609
IDC Error ellipse: s-maj=95.0km s-min=21.6km az=166.0.
IDC I 03 22 57 46.2–1.9 18.44S 175.58E 0 4.7L,3.8b ¶610236612
IDC Error ellipse: s-maj=120.2km s-min=23.8km az=159.0.
IDC I 03 23 02 01.8–2.8 18.78S 175.72E 0 4.4L,3.6b ¶610236613
IDC Error ellipse: s-maj=333.7km s-min=25.2km az=161.0.
IDC I 03 23 22 25.8–2.7 18.65S 175.89E 0 4.2L,3.8b ¶610236618
IDC Error ellipse: s-maj=334.1km s-min=25.0km az=161.0.
ISC I 03 23 23 44.1–.54 18.9S–.10 176.14E–.10 30 4.1b 34 2-147
NEIC I 03 23 23 40.7–1.2 18.7S–.20 176.1E–.10 10–1 4.3b ¶610236619
IDC I 03 23 23 40.6–1.5 18.82S 176.04E 0 4.3L,4.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=32.3km s-min=6.3km az=329.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=77.1km s-min=19.6km az=154.0.
ISC I 03 23 27 19.9–1.1 18.8S–.30 176.2E–.20 26 3.9b 14 2-147
IDC I 03 23 27 16.9–1.3 18.64S 175.89E 0 3.9,3.9b ¶610236621
ISC Event type ke.
IDC Error ellipse: s-maj=59.7km s-min=21.5km az=152.0.
ISC I 03 23 44 38.5–.81 18.3S–.10 177.85W–.09 623–9 4.1b 73 4-150
NEIC I 03 23 44 38.3–1.2 18.3S–.20 177.6W–.10 630–10 4.2b ¶610236627
IDC I 03 23 44 41.2–1.6 18.03S 178.14W 643–18 4.2,3.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=24.7km s-min=15.6km az=164.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=22.6km s-min=12.9km az=144.0.
IDC I 03 23 59 34.1–7.5 18.89S 176.98W 0 3.7,3.7b ¶610236629
IDC Error ellipse: s-maj=317.8km s-min=119.3km az=153.0.
ISC I 04 00 19 55.2–1.7 18.6S–.80 176.0E–.30 10 3.6b 6 2-91
IDC I 04 00 19 54.9–2.4 18.38S 175.64E 0 3.7,3.7b ¶610236636
ISC Event type ke.
IDC Error ellipse: s-maj=151.7km s-min=31.1km az=155.0.
ISC I 04 00 20 24.2–2.0 18.8S–.90 175.7E–.40 10 3.9b 6 2-150
IDC I 04 00 20 23.3–2.2 18.76S 175.46E 0 3.9,3.9b ¶610236639
ISC Event type ke.
IDC Error ellipse: s-maj=141.2km s-min=30.4km az=153.0.
ISC I 04 00 21 08.0–2.0 18.3S–.80 175.5E–.40 10 3.8b 6 3-149
IDC I 04 00 21 05.2–2.2 18.62S 175.64E 0 3.7,3.7b ¶610236642
ISC Event type ke.
IDC Error ellipse: s-maj=145.5km s-min=28.2km az=156.0.
ISC I 04 00 34 13.2–1.0 18.9S–.20 176.0E–.20 10 3.7b 7 2-91
IDC I 04 00 34 11.7–1.1 18.85S 175.64E 0 4.1L,3.9 ¶610236648
ISC Event type ke.
IDC Error ellipse: s-maj=41.4km s-min=26.7km az=148.0.
ISC I 04 01 08 26.0–1.1 18.9S–.30 176.2E–.20 10 4.6b 61 2-172
IDC I 04 01 08 24.3–1.2 19.04S 176.04E 0 4.5,4.5b ¶610236649
ISC Event type ke.
IDC Error ellipse: s-maj=51.0km s-min=26.8km az=162.0.
ISC I 04 01 47 00.3–.81 18.8S–.20 176.0E–.10 10 3.9b 10 2-97
IDC I 04 01 46 58.8–.99 18.79S 175.57E 0 4.0L,3.9 ¶610236652
ISC Event type ke.
IDC Error ellipse: s-maj=45.0km s-min=23.5km az=148.0.
ISC I 04 01 47 29.1–.82 18.6S–.20 175.8E–.10 10 3.8b 9 2-97
IDC I 04 01 47 27.8–1.1 18.52S 175.68E 0 4.1L,3.8 ¶610236655
ISC Event type ke.
IDC Error ellipse: s-maj=44.3km s-min=24.1km az=143.0.
ISC I 04 02 40 54.1–.72 18.95S–.10 175.93E–.10 10 4.3b 21 2-150
NEIC I 04 02 40 53.7–.89 18.9S–.20 175.9E–.10 10–1 4.4b ¶610236660
IDC I 04 02 40 55.8–1.1 19.09S 175.89E 0 4.4L,4.1
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=32.8km s-min=5.4km az=331.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=39.8km s-min=29.1km az=115.0.
ISC I 04 03 51 54.2–.81 18.8S–.20 176.1E–.10 10 4.0b 15 2-150
IDC I 04 03 51 52.2–.95 18.90S 175.77E 0 4.1,4.1b ¶610236663
ISC Event type ke.
IDC Error ellipse: s-maj=37.5km s-min=26.1km az=141.0.
ISC I 04 03 52 47.1–1.3 18.9S–.40 176.1E–.20 10 3.9b 10 2-147
IDC I 04 03 52 46.5–1.9 18.78S 175.83E 0 3.9,3.9b ¶610236666
ISC Event type ke.
IDC Error ellipse: s-maj=93.8km s-min=28.6km az=150.0.
ISC I 04 08 27 01.6–.82 18.6S–.20 176.1E–.10 26 4.0b,3.2s 9 2-97
IDC I 04 08 26 58.0–1.0 18.61S 176.01E 0 4.7L,3.8 ¶610101544
ISC Event type ke.
IDC Error ellipse: s-maj=44.1km s-min=21.1km az=152.0.
IDC I 04 09 39 08.4–2.1 18.64S 175.80E 0 4.9L,3.8 ¶610101545
IDC Error ellipse: s-maj=308.5km s-min=23.2km az=161.0.
IDC I 04 10 16 03.0–2.6 18.94S 176.04E 0 3.5,3.5b ¶610236690
IDC Error ellipse: s-maj=169.4km s-min=38.1km az=154.0.
ISC I 04 10 52 56.0–1.8 18.6S–.80 176.0E–.30 10 3.6b 6 2-91
IDC I 04 10 52 54.2–1.6 18.76S 176.06E 0 4.6L,3.6 ¶610236694
ISC Event type ke.
IDC Error ellipse: s-maj=82.7km s-min=19.8km az=157.0.
ISC I 04 11 08 54.7–1.8 18.6S–.80 176.1E–.30 10 3.7b,3.4s 6 2-91
IDC I 04 11 08 53.5–1.5 18.47S 175.94E 0 4.6L,3.7b ¶610101546
ISC Event type ke.
IDC Error ellipse: s-maj=85.8km s-min=22.6km az=160.0.
ISC I 04 11 23 18.9–1.3 18.8S–.50 176.2E–.30 10 4.0b 7 2-91
IDC I 04 11 23 17.6–1.6 18.81S 176.03E 0 4.6L,4.0b ¶610236696
ISC Event type ke.
IDC Error ellipse: s-maj=92.6km s-min=20.5km az=154.0.
ISC I 04 13 17 15.7–.82 18.8S–.20 176.0E–.10 10 4.1b,3.4s 10 2-150
IDC I 04 13 17 14.0–.95 18.76S 175.87E 0 4.5L,4.1 ¶610101548
ISC Event type ke.
IDC Error ellipse: s-maj=38.1km s-min=22.3km az=153.0.

ISC I 04 14 39 26.4–.43 17.81S–.08 178.57W–.07 579 4.6b 131 0-147
NEIC I 04 14 39 27.0–1.7 17.9S–.10 178.54W–.08 580–6 4.5b **¶611398883**
IDC I 04 14 39 27.5–1.3 17.82S 178.63W 591–14 4.5,3.6b
NOU I 04 14 39 28.0 17.71S 178.44W 582 4.6b,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.1km s-min=11.4km az=169.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=14.8km s-min=10.4km az=146.0.
NOU Fiji Islands Region.
ISC I 04 15 28 12.1–.59 18.9S–.10 176.02E–.09 10 4.0b,3.2s 23 2-147
NEIC I 04 15 28 11.2–.57 18.9S–.20 176.1E–.10 10–1 4.2b,3.2s **¶610101549**
IDC I 04 15 28 11.7–.92 18.89S 175.93E 0 4.4L,3.9
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=30.6km s-min=8.2km az=149.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=39.2km s-min=20.3km az=153.0.
ISC I 04 20 03 52.9–.86 18.84S–.05 176.14E–.04 13–4 5.2b,5.0s 951 2-168
IDC I 04 20 03 50.8–.44 18.87S 176.16E 0 5.5L,4.8s **¶610570425**
MOS I 04 20 03 51.5–.98 18.86S 176.05E 10 5.3b,5.2s
NEIC I 04 20 03 52.6–2.4 18.8S–.10 176.26E–.08 7–1 5.7,5.6
BGR I 04 20 03 52.3 19.18S 176.69E 10 5.7,5.6
BJI I 04 20 03 54.3–.00 18.44S 175.63E 10 5.8b,5.3s
NOU I 04 20 03 56.1 18.90S 176.34E 36 5.3L,5.3s
GCMT I 04 20 03 57.6–.10 18.86S–.01 176.14E 12–0 5.7W,5.3s
NEIC I 04 20 03 59 18.68S 175.99E 12 5.7W,5.3s
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s183.19051°,δ37.85538°,λ-84.15540°. NP2: ϕ_s355.80359°,δ52.37575°,λ-94.52528°. Principal axes: T Plg7.2749°,Azm89.0278° ; N Plg3.5828°,Azm358.5698°; P Plg81.8821°,Azm242.5322°
IDC Error ellipse: s-maj=15.5km s-min=12.8km az=140.0.
MOS Error ellipse: s-maj=8.7km s-min=8.0km az=88.0.
NEIC Event type se. Error ellipse: s-maj=18.6km s-min=10.4km az=154.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-2.79 $M_{\theta\theta}$0.73 $M_{\phi\phi}$2.06 $M_{r\theta}$0.76 $M_{\theta\phi}$0.85 $M_{\phi r}$0.94 NP1:ϕ_s21.89000°,δ33.03000°,λ-97.63000°. NP2:ϕ_s210.97000°,δ57.30000° ,λ-85.07000°. Principal axes: T 2.7315,Plg12.0000°,Azm297.0000°; N 0.3292,Plg4.0000° ,Azm28.0000°; P -3.0607,Plg77.0000°,Azm137.0000° $M_0$2.91000×10^{17}
BGR Event type ke.
NOU Fiji Islands Region.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s148,c277; s159,c345;Duration: 1s7 Moment tensor: Scale 10^{17}Nm; M_{rr}-3.66±.04 $M_{\theta\theta}$0.43±.03; $M_{\phi\phi}$3.23±.03; $M_{r\theta}$-0.92±.09; $M_{\theta\phi}$1.47±.02; $M_{\phi r}$-0.75±.09; Best double couple: NP1:ϕ_s31.00000°,δ53.00000°,λ-80.00000°. NP2:ϕ_s195.00000°,δ38.00000°,λ-103.00000°. Principal axes: T 4.0050,Plg8.0000° ,Azm114.0000°; N -0.1250,Plg8.0000°,Azm205.0000°; P -3.8840,Plg79.0000° ,Azm341.0000° $M_0$3.94400×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 12s4 Moment tensor: Scale 10^{17}Nm; M_{rr}-3.79 $M_{\theta\theta}$1.16 $M_{\phi\phi}$2.63 $M_{r\theta}$-1.41 $M_{\theta\phi}$1.40 $M_{\phi r}$-0.64 NP1:ϕ_s201.00000°,δ36.00000° ,λ-107.00000°. NP2:ϕ_s43.00000°,δ56.00000°,λ-77.00000°. Principal axes: T 3.7060,Plg10.0000°,Azm124.0000°; N 0.4726,Plg10.0000°,Azm216.0000° ; P -4.1786,Plg76.0000°,Azm351.0000° $M_0$3.96000×10^{17}
IDC I 05 12 23 55.8–1.3 18.46S 176.03E 0 4.7L,3.8
¶610101584
IDC Error ellipse: s-maj=74.2km s-min=21.9km az=158.0.
IDC I 06 08 20 23.0–68 16.44S 179.96W 0 4.0,4.0b
¶610236821
IDC Error ellipse: s-maj=1240.0km s-min=168.0km az=76.0.
ISC I 06 09 37 10.8–1.3 21.0S–.30 178.5W–.20 579 3.6b 17 14-150
IDC I 06 09 37 09.2–4.8 20.98S 178.42W 563–48 4.0,3.1b **¶610236824**
ISC Event type ke.
IDC Error ellipse: s-maj=54.1km s-min=23.0km az=140.0.
ISC I 06 11 06 27.6–.60 16.7S–.10 176.5E–.10 35 4.2b,3.9s 43 9-148
IDC I 06 11 06 19.3–1.3 16.04S 176.30E 0 4.0,4.0b **¶610236826**
GCMT I 06 11 06 25.1–.30 16.51S–.02 176.66E–.02 26–1 5.0W,4.0b
NEIC I 06 11 06 28.1–1.6 16.8S–.10 176.7E–.10 35–5 4.4b,4.0b
ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s29,c33; s86,c111;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.12±.16 $M_{\theta\theta}$-0.27±.16; $M_{\phi\phi}$0.39±.12; $M_{r\theta}$0.53±.26; $M_{\theta\phi}$3.17±.10; $M_{\phi r}$-0.90±.24; Best double couple: NP1:ϕ_s358.00000°,δ82.00000°,λ-164.00000°. NP2:ϕ_s266.00000°,δ74.00000°,λ-8.00000°. Principal axes: T 3.2810,Plg6.0000° ,Azm131.0000°; N 0.1470,Plg72.0000°,Azm23.0000°; P -3.4280,Plg17.0000°,Azm223.0000° $M_0$3.35500×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC I 06 11 14 15.5–2.7 19.02S 176.96W 0 3.8,3.8b
¶610236827
IDC Error ellipse: s-maj=149.5km s-min=28.1km az=146.0.
IDC I 06 13 02 44.5–2.4 18.36S 175.11E 0 4.0,4.0b
¶610236833
IDC Error ellipse: s-maj=128.5km s-min=33.4km az=151.0.
ISC I 06 19 06 25.0–.43 18.50S–.08 177.68W–.07 600 4.6b 168 1-151
NEIC I 06 19 06 23.7–2.2 18.5S–.10 177.68W–.06 575–8 4.7b **¶610038954**
IDC I 06 19 06 25.9–2.9 18.39S 177.71W 605–34 4.4,3.4b
NOU I 06 19 06 27.5 18.48S 177.68W 635 4.4b,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.7km s-min=4.2km az=155.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=18.5km s-min=14.7km az=68.0.
NOU Fiji Islands Region.
ISC I 07 00 26 31.1–.61 18.1S–.10 177.87W–.09 550 4.1b 39 7-148
IDC I 07 00 26 30.6–2.8 18.15S 178.05W 522–30 4.2,3.3b **¶610236867**
NEIC I 07 00 26 30.3–1.3 18.1S–.10 177.8W–.10 533–12 4.1b,3.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 07 08 17 12.1–.75 20.5S–.20 178.0W–.10 534 3.8b 22 15-150
IDC I 07 08 17 15.4–2.6 20.59S 178.07W 569–29 4.3,3.3b **¶610236887**
ISC Event type ke.
IDC Error ellipse: s-maj=19.4km s-min=14.4km az=145.0.
ISC I 07 12 41 05.5–.70 20.8S–.10 177.7W–.10 400 3.9b 28 9-151
NEIC I 07 12 41 04.6–1.1 20.5S–.20 177.7W–.20 391–15 4.1b **¶610236900**
IDC I 07 12 41 10.2–3.9 20.98S 177.88W 448–41 4.0,3.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=25.6km s-min=22.2km az=216.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=24.7km s-min=20.9km az=97.0.
ISC I 08 04 46 32.0–4.7 17S–1.0 179.2W–1.0 550 3.0b 5 3-146
IDC I 08 04 46 32.3–3.9 16.69S 179.18W 551–24 3.5,2.6b **¶610236943**
ISC Event type ke.
IDC Error ellipse: s-maj=209.5km s-min=29.5km az=145.0.
ISC I 08 04 47 06.1–6.5 18S–2.0 180W–1.0 650 3.0b 5 2-147
IDC I 08 04 47 05.2–6.8 18.18S 179.77W 646–21 3.3,2.3b **¶610236946**
ISC Event type ke.
IDC Error ellipse: s-maj=294.8km s-min=33.5km az=145.0.
ISC I 08 20 24 22.2–.32 17.58S–.07 178.62W–.06 547 4.7b 568 1-158
NEIC I 08 20 24 21.2–1.6 17.5S–.10 178.5W–.10 544–7 4.6b **¶610049842**
NOU I 08 20 24 21.9 17.59S 178.46W 547 4.9b
IDC I 08 20 24 22.6–.75 17.65S 178.60W 545–7 4.6,3.7b
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s11.48218°,δ83.60187°,λ-106.56266°. NP2: ϕ_s260.93893°,δ17.72344°,λ-21.47555°. Principal axes: T Plg36.4940°,Azm116.0032° ; N Plg16.4565°,Azm13.3806°; P Plg48.7946°,Azm263.6648°
NEIC Event type se. Error ellipse: s-maj=17.9km s-min=14.4km az=140.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Fiji Islands Region.
IDC Error ellipse: s-maj=13.8km s-min=10.8km az=149.0.

IDC I 09 04 06 25.4–9.6 19.47S 178.75W 556–50 3.8,3.0b
¶610236992
IDC Error ellipse: s-maj=256.6km s-min=100.2km az=146.0.
ISC I 09 07 20 03.5–1.2 18.2S–.20 178.3W–.20 579 3.4b 12 4-148
IDC I 09 07 20 04.2–1.4 18.16S 178.34W 581–10 4.0,3.0b **¶610237003**
ISC Event type ke.
IDC Error ellipse: s-maj=31.0km s-min=19.3km az=142.0.
ISC I 09 07 31 31.9–.50 20.15S–.09 177.58W–.08 550 4.2b 81 5-152
NEIC I 09 07 31 30.9–2.3 20.1S–.20 177.6W–.10 525–8 4.2b **¶610237004**
IDC I 09 07 31 31.9–2.0 20.19S 177.66W 547–16 4.3,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=22.9km s-min=16.8km az=151.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=28.5km s-min=17.0km az=119.0.
IDC I 09 19 23 10.4–6.1 17.66S 178.94W 619–24 3.6,2.7b
¶610237038
IDC Error ellipse: s-maj=143.1km s-min=92.6km az=128.0.
ISC I 10 19 44 00.8–1.7 18.8S–.30 177.7W–.20 600 4.1b 25 4-149
NEIC I 10 19 44 00.9–1.6 18.8S–.20 177.6W–.30 605–24 4.3b **¶610056560**
IDC I 10 19 44 01.8–4.4 18.87S 177.70W 612–28 4.2,3.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=40.8km s-min=26.7km az=76.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=114.3km s-min=24.0km az=137.0.
IDC I 10 22 27 23.9–15 17.32S 177.87W 580–25 4.0,3.1b
¶610237108
IDC Error ellipse: s-maj=271.2km s-min=114.5km az=86.0.
ISC I 11 00 26 44.2–.42 18.55S–.09 177.61W–.07 600 4.2b 159 4-151
BGR I 11 00 25 54.8 20.32S 176.80W 167–0 4.2b **¶610051733**
NEIC I 11 00 26 42.1–.70 18.4S–.10 177.6W–.10 572–8 4.2b
IDC I 11 00 26 44.2–.99 18.56S 177.65W 591–10 4.4,3.5b
ISC Event type se.
BGR Event type ke.
NEIC Event type se. Error ellipse: s-maj=20.5km s-min=16.2km az=151.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=15.7km s-min=10.3km az=152.0.
ISC I 11 00 27 27.5–.45 18.55S–.07 177.59W–.07 600 4.6b 169 4-151
NEIC I 11 00 27 26.7–1.2 18.5S–.10 177.5W–.10 584–9 4.5b **¶610237113**
IDC I 11 00 27 27.5–1.1 18.63S 177.64W 591–11 5.0,4.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.5km s-min=16.5km az=110.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=18.4km s-min=12.3km az=149.0.
ISC I 11 20 06 08.1–.36 20.54S–.07 178.18W–.06 534 4.6b 308 2-173
NEIC I 11 20 06 09.3–1.8 20.5S–.10 178.0W–.10 557–7 4.7b **¶610056677**
NOU I 11 20 06 10.0 20.38S 178.09W 563 4.7b
IDC I 11 20 06 12.2–1.1 20.37S 178.39W 574–11 4.7,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.1km s-min=17.8km az=101.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Fiji Islands Region.
IDC Error ellipse: s-maj=13.6km s-min=10.6km az=129.0.
ISC I 11 23 21 22.6–1.5 20.8S–.40 178.9W–.20 600 3.4b 11 4-150
IDC I 11 23 21 24.0–4.6 20.57S 179.00W 607–32 3.7,2.8b **¶610237212**
ISC Event type ke.
IDC Error ellipse: s-maj=126.1km s-min=20.7km az=148.0.
ISC I 12 00 58 39.3–2.0 20.6S–.50 179.0W–.30 645 3.2b 7 4-146
IDC I 12 00 58 40.2–5.5 20.46S 179.09W 651–34 3.7,2.7b **¶610237215**
ISC Event type ke.
IDC Error ellipse: s-maj=162.5km s-min=22.0km az=148.0.
ISC I 12 05 57 42.1–.80 17.7S–.20 178.6W–.10 600 4.0b 27 3-87
IDC I 12 05 57 41.3–2.4 17.49S 178.77W 611–21 4.0,3.1b **¶610237224**
NEIC I 12 05 57 43.0–.79 17.9S–.30 178.59W–.09 604–19 4.1b,3.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 12 08 38 26.4–.59 21.1S–.10 177.97W–.09 495 4.4b 74 3-172
NEIC I 12 08 38 24.9–1.6 21.2S–.10 177.8W–.10 479–10 4.6b **¶610237231**
NOU I 12 08 38 25.6 20.75S 177.75W 512 4.6b
IDC I 12 08 38 26.5–2.0 21.08S 177.94W 493–19 4.5,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.2km s-min=17.2km az=137.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Fiji Islands Region.
IDC Error ellipse: s-maj=20.7km s-min=14.7km az=120.0.
ISC I 12 11 51 39.2–.40 15.07S–.07 177.61W–.07 400 4.5b 148 1-148
NOU I 12 11 51 38.6 15.09S 177.50W 401 4.7b **¶610064829**
NEIC I 12 11 51 38.5–2.6 15.07S–.08 177.56W–.06 388–6 4.5b
IDC I 12 11 51 40.8–1.5 15.02S 177.77W 407–15 4.5,3.7b
ISC Event type se.
NOU Fiji Islands Region.
NEIC Event type se. Error ellipse: s-maj=13.0km s-min=6.1km az=207.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=18.0km s-min=9.8km az=150.0.
ISC I 12 12 39 49.9–.74 18.7S–.20 176.2E–.10 10 4.0b,3.6s 14 2-147
IDC I 12 12 39 48.2–1.4 18.79S 176.20E 0 5.1L,4.1b **¶610101628**
ISC Event type ke.
IDC Error ellipse: s-maj=76.1km s-min=15.8km az=152.0.
IDC I 13 11 11 46.1–1.8 17.03S 179.48W 562–18 3.6,2.7b
¶610237295
IDC Error ellipse: s-maj=39.9km s-min=28.1km az=169.0.
ISC I 13 15 33 49.0–.44 18.45S–.08 177.67W–.07 600 4.2b 119 4-151
NEIC I 13 15 33 48.8–2.7 18.5S–.10 177.6W–.10 597–8 4.4b **¶610237299**
IDC I 13 15 33 48.3–1.2 18.57S 177.75W 593–15 4.6,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.3km s-min=16.8km az=126.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=15.3km s-min=8.8km az=139.0.
ISC I 13 23 28 28.3–.84 18.60S–.20 176.2E–.10 10 4.4b,3.8s 10 2-147
IDC I 13 23 28 27.4–.98 18.70S 176.22E 0 4.3,4.3b **¶610237318**
GCMT I 13 23 28 34.0–.40 18.76S–.05 176.10E–.02 20–1 4.8W,4.3b
ISC Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. Moment Tensor Solution. s20,c22; s64,c80;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.70±.17 $M_{\theta\theta}$0.10±.12; $M_{\phi\phi}$1.60±.11; $M_{r\theta}$-1.10±.32; $M_{\theta\phi}$0.60±.07; $M_{\phi r}$0.50±.18; Best double couple: NP1:ϕ_s173.00000°,δ53.00000° ,λ-126.00000°. NP2:ϕ_s44.00000°,δ49.00000°,λ-52.00000°. Principal axes: T 1.8140,Plg2.0000°,Azm288.0000°; N 0.5380,Plg28.0000°,Azm197.0000° ; P -2.3480,Plg62.0000°,Azm22.0000° $M_0$2.08100×10^{16}
ISC I 13 23 50 51.2–.87 20.3S–.10 177.3W–.10 550 4.0b 30 5-143
NEIC I 13 23 50 51.7–1.6 20.4S–.20 177.6W–.20 503–22 4.2b **¶610237320**
IDC I 13 23 51 05.7–14 20.18S 178.31W 650–160 4.0,2.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=26.2km s-min=22.7km az=201.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=132.1km s-min=67.1km az=127.0.
IDC I 14 04 32 02.8–32 17.95S 178.02W 650–302 3.5,2.5b
¶610237334
IDC Error ellipse: s-maj=463.4km s-min=53.5km az=132.0.
ISC I 14 06 11 42.3–.40 18.86S–.04 176.31E–.04 13–2 5.6s,5.3b 872 2-172
BJI I 14 06 11 38.6–.00 18.83S 176.47E 5 5.9b,5.8s **¶610087853**
IDC I 14 06 11 39.9–.38 18.94S 176.16E 0 5.4s,5.0

NEIC I 14 06 11 40.9–2.1 18.62S–.09 176.24E–.07 4–3 5.9,5.8
MOS I 14 06 11 40.6–1.6 18.86S 176.09E 10 5.7b,5.6s
BGR I 14 06 11 40.3 20.94S 176.97E 33 5.7s,5.6s
GCMT I 14 06 11 46.9–.10 18.74S 176.17E 12 5.9W,5.6s
NOU I 14 06 11 46.3 18.84S 176.29E 41 5.6L,5.6s
NEIC I 14 06 11 51.5 18.55S 176.25E 12 5.6L,5.6s
ISC Event type se.
IDC Error ellipse: s-maj=13.6km s-min=12.0km az=156.0.
NEIC Event type se. Error ellipse: s-maj=14.2km s-min=7.6km az=154.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-5.26 $M_{\theta\theta}$0.48 $M_{\phi\phi}$4.78 $M_{r\theta}$0.85 $M_{\theta\phi}$2.29
$M_{\phi r}$2.72 NP1:ϕ_s26.73000°,δ31.51000°,λ-84.56000°. NP2:ϕ_s200.36000°,δ58.65000°
,λ-93.33000°. Principal axes: T 6.4544,Plg14.0000°,Azm293.0000°; N -0.4936,Plg3.0000°
,Azm202.0000°; P -5.9608,Plg76.0000°,Azm101.0000° $M_0$6.22000$\times10^{17}$
MOS Error ellipse: s-maj=8.6km s-min=7.8km az=43.7.
BGR Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s.
Triangular moment-rate function. Moment Tensor Solution. s163,c345; s172,c607;
Duration: 2^{s}2 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.93±.01 $M_{\theta\theta}$0.07±.01; $M_{\phi\phi}$0.85±.01;
$M_{r\theta}$-0.12±.01; $M_{\theta\phi}$0.24±.00; $M_{\phi r}$0.14±.01; Best double couple: NP1:ϕ_s187.00000°,δ49.00000°
,λ-102.00000°. NP2:ϕ_s25.00000°,δ43.00000°,λ-77.00000°. Principal axes:
T 0.9310,Plg3.0000°,Azm285.0000°; N 0.0270,Plg9.0000°,Azm195.0000°
; P -0.9590,Plg81.0000°,Azm34.0000° $M_0$0.94500$\times10^{18}$
NOU Fiji Islands Region.
NEIC Event type se. Moment Tensor Solution.Duration: 4^{s}8 Moment tensor: Scale 10^{18}Nm;
M_{rr}-0.90 $M_{\theta\theta}$0.08 $M_{\phi\phi}$0.82 $M_{r\theta}$0.05 $M_{\theta\phi}$0.14 $M_{\phi r}$0.51 NP1:ϕ_s187.77000°,δ60.25000°
,λ-92.41000°. NP2:ϕ_s12.61000°,δ29.84000°,λ-85.80000°. Principal axes:
T 0.9793,Plg15.0000°,Azm280.0000°; N 0.0603,Plg2.0000°,Azm189.0000°
; P -1.0396,Plg75.0000°,Azm91.0000° $M_0$1.01000$\times10^{18}$
ISC I 14 06 16 37.9–2.6 17.2S–.50 176.01E–.07 10 3.8b 6 2-40
IDC I 14 06 16 38.3–2.7 17.57S 175.93E 0 4.9L,3.9 **¶610237339**
ISC Event type ke.
IDC Error ellipse: s-maj=128.5km s-min=21.1km az=176.0.
ISC I 14 06 34 39.3–.47 18.74S–.08 176.30E–.08 23 4.3b,3.9s 50 2-172
IDC I 14 06 34 36.1–.81 18.73S 176.12E 0 4.5L,4.2s **¶610237342**
NEIC I 14 06 34 37.8–3.0 18.8S–.10 176.37E–.09 10–1 4.7b,4.2s
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 14 09 31 49.2–.37 18.83S–.07 176.30E–.06 35 4.9b,4.0s 132 2-149
IDC I 14 09 31 43.5–.72 18.82S 176.31E 0 4.5,4.3b **¶610094882**
NOU I 14 09 31 44.8 18.80S 176.37E 0 4.8b,4.3b
NEIC I 14 09 31 47.0–1.0 18.7S–.10 176.34E–.09 25–6 4.9b,4.3b
GCMT I 14 09 31 50.0–.30 18.90S–.04 176.20E–.02 18–1 4.9W,4.3b
ISC Event type se.
NOU Fiji Islands Region.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function. Moment Tensor Solution. s25,c26; s80,c101;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-2.91±.20 $M_{\theta\theta}$0.29±.12; $M_{\phi\phi}$2.62±.12; $M_{r\theta}$-1.60±.42;
$M_{\theta\phi}$0.36±.09; $M_{\phi r}$0.37±.23; Best double couple: NP1:ϕ_s167.00000°,δ51.00000°,λ-120.00000°.
NP2:ϕ_s29.00000°,δ48.00000°,λ-58.00000°. Principal axes: T 2.6780,Plg2.0000°
,Azm278.0000°; N 0.9300,Plg23.0000°,Azm187.0000°; P -3.6100,Plg67.0000°,Azm11.0000°
$M_0$3.14400$\times10^{16}$
ISC I 14 10 53 00.1–.80 18.2S–.20 178.3W–.10 579 3.5b 17 3-148
IDC I 14 10 53 00.9–1.2 18.15S 178.33W 586–14 4.0,3.1b **¶610237352**
ISC Event type ke.
IDC Error ellipse: s-maj=27.7km s-min=12.5km az=146.0.
ISC I 14 13 58 57.6–.42 21.83S–.06 179.04W–.07 600 4.3b 111 5-151
NEIC I 14 13 58 57.2–1.7 21.8S–.10 179.1W–.10 583–9 4.4b **¶610237358**
IDC I 14 13 58 59.0–1.5 21.62S 179.25W 596–15 4.4,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.8km s-min=16.8km az=146.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=25.7km s-min=14.7km az=151.0.
ISC I 14 18 13 40.0–.57 20.09S–.09 178.30W–.09 602 4.0b 45 4-146
NEIC I 14 18 13 39.8–1.6 20.2S–.10 178.39W–.09 590–12 4.4b **¶610237370**
IDC I 14 18 13 40.1–1.9 20.06S 178.39W 594–15 4.2,3.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.2km s-min=9.1km az=211.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=46.4km s-min=15.6km az=142.0.
ISC I 14 18 25 21.6–.56 18.8S–.10 176.36E–.09 10 4.1b 29 2-147
IDC I 14 18 25 19.9–1.3 18.78S 176.24E 0 4.7L,4.1b **¶610094881**
NEIC I 14 18 25 23.2–1.1 18.8S–.20 176.5E–.10 26–6 4.5b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 14 18 25 44.9–.37 18.67S–.04 176.17E–.03 18–1 5.4b,5.3s 964 2-172
NOU I 14 18 25 35.8 18.40S 177.11E 0 5.3b,5.3s **¶610237371**
BGR I 14 18 25 41.9 19.32S 176.29E 10 5.4s,5.3s
MOS I 14 18 25 42.7–1.1 18.62S 176.06E 10 5.5b,5.3s
IDC I 14 18 25 42.0–.44 18.69S 176.18E 0 5.8L,5.3s
BJI I 14 18 25 43.8–.00 18.24S 176.08E 9 5.7b,5.5s
NEIC I 14 18 25 43.0–1.8 18.65S–.08 176.09E–.06 4–2 5.7,5.6
GCMT I 14 18 25 48.0–.10 18.67S–.01 176.20E 12 5.7W,5.6
NEIC I 14 18 25 51.6 18.58S 176.28E 12 5.7W,5.6
ISC Event type se.
NOU Fiji Islands.
BGR Event type ke.
MOS Error ellipse: s-maj=8.3km s-min=7.7km az=30.9.
IDC Error ellipse: s-maj=16.7km s-min=11.7km az=154.0.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=7.4km az=155.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-2.13 $M_{\theta\theta}$0.05 $M_{\phi\phi}$2.08 $M_{r\theta}$0.93 $M_{\theta\phi}$0.56
$M_{\phi r}$1.27 NP1:ϕ_s2.38000°,δ29.16000°,λ-111.73000°. NP2:ϕ_s206.90000°,δ63.09000°
,λ-78.33000°. Principal axes: T 2.6829,Plg17.0000°,Azm288.0000°; N 0.0133,Plg10.0000°
,Azm22.0000°; P -2.6961,Plg70.0000°,Azm141.0000° $M_0$2.69000$\times10^{17}$
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function. Moment Tensor Solution. s155,c299; s167,c367;Duration: 1^{s}7
Moment tensor: Scale 10^{17}Nm; M_{rr}-4.39±.03 $M_{\theta\theta}$0.56±.03; $M_{\phi\phi}$3.83±.03; $M_{r\theta}$-0.80±.09;
$M_{\theta\phi}$1.48±.03; $M_{\phi r}$0.15±.09; Best double couple: NP1:ϕ_s31.00000°,δ47.00000°,λ-76.00000°.
NP2:ϕ_s191.00000°,δ45.00000°,λ-104.00000°. Principal axes: T 4.4030,Plg1.0000°
,Azm111.0000°; N 0.1340,Plg10.0000°,Azm201.0000°; P -4.5340,Plg80.0000°,Azm16.0000°
$M_0$4.46900$\times10^{17}$
NEIC Event type se. Moment Tensor Solution.Duration: 4^{s}2 Moment tensor: Scale 10^{17}Nm;
M_{rr}-4.39 $M_{\theta\theta}$0.79 $M_{\phi\phi}$3.60 $M_{r\theta}$-0.65 $M_{\theta\phi}$1.22 $M_{\phi r}$1.18 NP1:ϕ_s188.85000°,δ52.02000°
,λ-104.28000°. NP2:ϕ_s31.32000°,δ40.19000°,λ-72.46000°. Principal axes:
T 4.1469,Plg6.0000°,Azm289.0000°; N 0.5334,Plg11.0000°,Azm198.0000°
; P -4.6803,Plg77.0000°,Azm47.0000° $M_0$4.41000$\times10^{17}$
ISC I 14 18 36 46.3–.66 18.6S–.20 176.28E–.10 23 3.9b 18 2-147
IDC I 14 18 36 42.8–1.9 18.70S 176.30E 0 3.9,3.9b **¶610237373**
NEIC I 14 18 36 47.0–2.2 18.5S–.20 176.3E–.10 26–4 4.4b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 14 18 56 48.1–.38 18.56S–.08 176.46E–.06 23 5.0b,4.2s 93 2-149
IDC I 14 18 56 45.0–1.4 18.79S 176.39E 0 4.4s,4.2 **¶610237375**
NEIC I 14 18 56 48.3–2.1 18.5S–.10 176.48E–.04 26–5 5.1b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 14 19 02 21.3–.51 18.6S–.10 176.19E–.09 10 4.2b 39 2-147
IDC I 14 19 02 20.8–.97 18.56S 176.00E 0 4.1,4.1b **¶610237377**
NEIC I 14 19 02 21.3–1.4 18.5S–.10 176.19E–.07 10–1 4.5b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC I 14 19 09 39.6–1.6 15.87S 176.29E 0 4.6L,3.5b
¶610237378
IDC Error ellipse: s-maj=44.1km s-min=31.4km az=15.0.
ISC I 14 19 20 26.3–1.2 17.5S–.50 178.4W–.20 547 3.2b 11 7-147
IDC I 14 19 20 26.2–1.6 17.63S 178.40W 546–27 3.9,3.0b **¶610237379**
ISC Event type ke.
IDC Error ellipse: s-maj=98.9km s-min=16.6km az=147.0.
ISC I 14 20 35 06.3–.62 18.6S–.10 176.33E–.09 23 3.9b,3.5s 26 2-145
IDC I 14 20 35 04.0–1.1 18.51S 176.15E 0 3.9,3.9b **¶610237383**
NEIC I 14 20 35 04.7–1.1 18.4S–.20 176.28E–.09 17–5 4.0b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 14 21 04 23.9–.42 17.66S–.09 178.71W–.07 550 4.4b 199 1-151
IDC I 14 21 04 22.8–1.3 17.58S 178.88W 521–11 4.7,3.9b **¶610094891**
NOU I 14 21 04 22.4 17.34S 178.70W 543 4.7b,3.9b
NEIC I 14 21 04 22.5–1.8 17.64S–.04 178.8W–.10 518–7 4.4b,3.9b
ISC Event type se.
NOU Fiji Islands Region.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 14 21 19 29.6–.45 18.78S–.09 176.42E–.07 10 4.4b,3.6s 92 2-149
IDC I 14 21 19 28.7–.83 18.70S 176.23E 0 4.3,4.2b **¶610094892**
NEIC I 14 21 19 29.7–2.2 18.7S–.10 176.37E–.08 10–1 4.5b,4.2b
NOU I 14 21 19 34.7 18.53S 176.39E 56 4.1L,4.2b
ISC Event type se.
IDC Error ellipse: s-maj=30.1km s-min=15.9km az=146.0.
NEIC Event type se. Error ellipse: s-maj=24.7km s-min=4.4km az=148.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Fiji Islands Region.
ISC I 14 22 26 26.9–1.5 18.7S–.60 176.4E–.30 10 3.8b,3.3s 7 2-84
IDC I 14 22 26 25.8–1.6 18.62S 176.22E 0 4.0,4.0b **¶610237390**
ISC Event type ke.
IDC Error ellipse: s-maj=105.0km s-min=20.0km az=156.0.
IDC I 14 22 30 57.4–1.6 18.49S 176.24E 0 3.9,3.9b
¶610237392
IDC Error ellipse: s-maj=158.1km s-min=20.0km az=159.0.
ISC I 14 22 43 01.3–2.8 21.6S–.30 178.3W–.30 550 4.0b 7 14-147
IDC I 14 22 43 02.0–8.7 21.41S 178.23W 578–83 4.2,3.2b **¶610237394**
ISC Event type ke.
IDC Error ellipse: s-maj=80.3km s-min=38.7km az=48.0.
ISC I 15 06 21 51.5–2.0 18.8S–.70 176.3E–.30 10 3.9b 7 2-147
IDC I 15 06 21 52.4–2.9 18.37S 175.35E 0 3.8,3.8b **¶610237415**
ISC Event type ke.
IDC Error ellipse: s-maj=142.0km s-min=27.6km az=151.0.
ISC I 15 07 21 21.0–2.0 18.9S–.90 175.9E–.50 10 4.1b,3.5s 8 2-147
IDC I 15 07 21 20.1–3.1 18.76S 175.45E 0 4.0,4.0b **¶610101640**
ISC Event type ke.
IDC Error ellipse: s-maj=174.1km s-min=27.2km az=152.0.
ISC I 15 14 35 06.6–.90 17.1S–.30 179.2W–.20 550 4.1b 29 3-147
NEIC I 15 14 35 07.6–1.1 17.1S–.30 179.3W–.20 563–10 4.1b **¶610237442**
IDC I 15 14 35 08.4–3.1 16.98S 179.45W 563–18 3.8,2.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=41.3km s-min=11.9km az=153.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=146.7km s-min=26.8km az=144.0.
IDC I 15 22 32 14.3–11 19.23S 178.10W 565–59 3.6,2.6b
¶610237460
IDC Error ellipse: s-maj=312.0km s-min=103.6km az=146.0.
ISC I 16 00 30 46.0–.73 17.4S–.20 179.6W–.10 600 4.1b 25 2-72
NEIC I 16 00 30 46.5–1.9 17.5S–.20 179.6W–.10 597–13 4.2b **¶610237465**
IDC I 16 00 30 46.6–41 17.16S 179.82W 582–142 4.1,3.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=26.0km s-min=16.7km az=146.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=857.7km s-min=120.4km az=79.0.
IDC I 16 01 50 40.6–55 19.37S 176.66W 0 3.6,3.6b
¶610237468
IDC Error ellipse: s-maj=1016.0km s-min=189.6km az=82.0.
ISC I 16 02 07 06.6–2.4 20.2S–.90 178.7W–.50 600 3.5b 12 44-150
IDC I 16 02 07 05.3–6.6 20.35S 178.57W 584–65 3.8,2.9b **¶610237471**
ISC Event type ke.
IDC Error ellipse: s-maj=121.4km s-min=27.3km az=150.0.
ISC I 16 03 57 05.5–1.2 18.8S–.20 177.4W–.30 570 3.8b 12 4-151
IDC I 16 03 57 08.2–2.2 18.97S 177.51W 597–21 4.0,3.0b **¶610237478**
ISC Event type ke.
IDC Error ellipse: s-maj=36.2km s-min=22.6km az=131.0.
ISC I 16 17 04 03.8–.38 21.31S–.04 179.03W–.05 616–4 4.7b 533 3-172
BJI I 16 17 04 02.4–.00 20.66S 178.80W 593 5.1b,4.7b **¶610097495**
NOU I 16 17 04 4.6 21.25S 178.98W 627 4.7b,4.7b
IDC I 16 17 04 04.9–.55 21.24S 179.15W 620–5 4.9,4.0b
NEIC I 16 17 04 05.7–2.1 21.17S–.10 179.2W–.10 619–5 4.7b,4.0b
ISC Event type se.
NOU Fiji Islands Region.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC I 16 18 36 20.7–5.2 21.23S 177.98W 0 3.7,3.7b
¶610237531
IDC Error ellipse: s-maj=221.7km s-min=40.4km az=142.0.
IDC I 17 13 54 02.5–3.8 19.11S 176.40W 0 4.2L,3.7
¶610237602
IDC Error ellipse: s-maj=81.6km s-min=52.9km az=70.0.
IDC I 18 21 06 02.6–8.8 18.20S 177.69W 629–34 3.7,2.7b
¶610237684
IDC Error ellipse: s-maj=285.2km s-min=31.8km az=141.0.
IDC I 19 08 27 24.6–4.4 18.36S 178.38W 602–34 3.7,2.7b
¶610237714
IDC Error ellipse: s-maj=241.7km s-min=28.9km az=158.0.
ISC I 19 09 19 04.8–1.0 19.0S–.20 177.1W–.20 600 3.8b 9 5-46
IDC I 19 09 19 04.3–1.3 19.18S 177.14W 579–24 4.1,3.1b **¶610237718**
ISC Event type ke.
IDC Error ellipse: s-maj=29.3km s-min=25.2km az=142.0.
ISC I 20 13 53 38.4–1.7 17.0S–.50 177.4W–.20 35 4.1b,3.7s 7 4-147
IDC I 20 13 53 32.6–2.9 17.10S 177.19W 0 5.0L,4.1b **¶610159371**
ISC Event type ke.
IDC Error ellipse: s-maj=130.4km s-min=28.8km az=144.0.
ISC I 20 14 06 24.8–.35 15.38S–.07 178.83W–.06 400 4.5b 284 4-147
IDC I 20 14 06 26.2–1.4 15.38S 178.83W 416–14 4.7,3.9b **¶610103755**
NEIC I 20 14 06 26.5–1.5 15.42S–.10 178.74W–.10 417–7 4.5b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 20 16 30 07.1–4.1 19.0S–.70 178.2W–.60 600 3.3b 6 4-87
IDC I 20 16 30 04.2–6.4 19.27S 177.88W 582–31 3.8,2.8b **¶610234948**
ISC Event type ke.
IDC Error ellipse: s-maj=149.1km s-min=25.7km az=136.0.
ISC I 20 20 02 28.9–.64 20.5S–.10 177.7W–.10 500 4.0b 42 9-150
IDC I 20 20 02 28.7–2.2 20.45S 177.73W 495–25 4.1,3.2b **¶610234958**
NEIC I 20 20 02 33.0–1.7 20.6S–.10 177.7W–.20 554–12 4.6b,3.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 21 03 38 47.0–.93 17.4S–.30 177.0W–.10 372 3.6b 12 5-176
IDC I 21 03 38 49.8–2.2 17.30S 177.24W 397–18 3.9,3.2b **¶610234973**
ISC Event type ke.
IDC Error ellipse: s-maj=41.5km s-min=17.5km az=143.0.

ISC I 21 08 33 29.7–1.4 20.0S–.30 178.1W–.20 550 3.5b 9 4-146
IDC I 21 08 33 31.0–2.8 19.92S 178.26W 563–24 3.8,2.9b ¶610234984
ISC Event type ke.
IDC Error ellipse: s-maj=58.7km s-min=20.2km az=148.0.
ISC I 21 11 00 49.3–.72 17.0S–.20 175.74E–.08 35 3.8b,3.7s 13 2-145
IDC I 21 11 00 43.8–.91 17.12S 175.72E 0 4.5L,3.8 ¶610159372
ISC Event type ke.
IDC Error ellipse: s-maj=40.0km s-min=19.7km az=176.0.
IDC I 22 06 01 57.3–5.6 18.83S 176.81W 0 3.7,3.7b ¶610235068
IDC Error ellipse: s-maj=277.1km s-min=31.1km az=146.0.
ISC I 22 20 13 32.0–1.1 21.3S–.10 176.8W–.20 250 3.2b 9 6-89
IDC I 22 20 13 05.3–2.1 20.12S 177.07W 0 3.5,3.5b ¶610235136
NOU I 22 20 13 30.3 20.91S 176.40W 279 4.6,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=122.0km s-min=28.2km az=150.0.
NOU Fiji Islands Region.
IDC I 23 02 53 48.0–7.7 18.54S 179.97W 593–29 3.2,2.4b ¶610235154
IDC Error ellipse: s-maj=364.1km s-min=63.8km az=152.0.
IDC I 23 05 07 56.6–47 16.58S 176.12W 598–55 4.6,3.6b ¶610235166
IDC Error ellipse: s-maj=774.5km s-min=112.5km az=78.0.
IDC I 23 07 00 59.9–55 16.85S 176.36W 592–53 4.1,3.1b ¶610235170
IDC Error ellipse: s-maj=928.1km s-min=140.1km az=78.0.
IDC I 23 07 39 52.4–44 17.57S 179.39W 578–125 4.0,3.1b ¶610235175
IDC Error ellipse: s-maj=900.2km s-min=118.1km az=80.0.
ISC I 23 08 32 41.5–.49 21.08S–.07 178.75W–.09 550 4.3b 103 3-172
NOU I 23 08 32 40.9 21.22S 178.27W 540 4.6b ¶610235176
NEIC I 23 08 32 41–.90 21.1S–.10 178.74W–.10 541–7 4.3b
IDC I 23 08 32 44.2–2.1 20.80S 179.02W 577–18 4.2,3.4b
ISC Event type se.
NOU Fiji Islands Region.
NEIC Event type se. Error ellipse: s-maj=19.8km s-min=13.1km az=167.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=43.2km s-min=14.4km az=144.0.
ISC I 23 18 04 47.1–.45 17.92S–.08 178.34W–.07 579 4.5b 166 1-148
NOU I 23 18 04 47.0 17.84S 178.38W 575 4.6b ¶610105782
NEIC I 23 18 04 47.6–1.2 17.9S–.20 178.4W–.10 581–13 4.8b
IDC I 23 18 04 48.3–1.0 18.16S 178.46W 585–10 4.5,3.5b
ISC Event type se.
NOU Fiji Islands Region.
NEIC Event type se. Error ellipse: s-maj=27.9km s-min=19.7km az=172.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=17.6km s-min=12.7km az=137.0.
ISC I 23 18 06 24.7–1.1 18.0S–.20 178.4W–.10 579 4.6b 48 3-84
NEIC I 23 18 06 24.5–1.5 18.1S–.20 178.4W–.10 564–15 4.6b ¶610235212
IDC I 23 18 06 26.2–2.8 18.20S 178.54W 584–12 4.9,3.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=29.8km s-min=13.1km az=207.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=52.5km s-min=24.3km az=45.0.
IDC I 23 21 38 01.0–3.9 17.70S 178.28W 553–19 3.9,3.0b ¶610235225
IDC Error ellipse: s-maj=101.7km s-min=30.4km az=138.0.
ISC I 23 23 59 22.6–.58 15.5S–.10 177.49W–.09 400 4.0b 27 5-146
NEIC I 23 23 59 21.8–2.9 15.5S–.10 177.5W–.10 401–10 4.3b ¶610235229
IDC I 23 23 59 27.0–1.6 16.01S 177.69W 449–18 4.1,3.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.0km s-min=13.4km az=149.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=27.8km s-min=17.9km az=138.0.
ISC I 24 06 12 10.2–.69 19.3S–.10 177.3W–.10 550 3.5b 20 5-149
IDC I 24 06 12 12.2–1.5 19.42S 177.47W 575–13 4.1,3.0b ¶610116953
ISC Event type ke.
IDC Error ellipse: s-maj=27.0km s-min=17.8km az=156.0.
ISC I 24 12 23 36.9–1.0 16.9S–.40 178.8W–.20 600 4.1b 19 3-144
NEIC I 24 12 23 37.5–.51 17.1S–.40 178.8W–.20 594–16 4.2b ¶610235262
IDC I 24 12 23 38.1–2.3 17.37S 178.89W 588–20 3.8,3.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=60.9km s-min=28.5km az=162.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=123.3km s-min=22.4km az=154.0.
ISC I 24 20 15 27.7–1.4 17.8S–.20 178.6W–.20 600 4.1b 22 3-87
NEIC I 24 20 15 28.6–.56 18.0S–.30 178.6W–.20 596–8 4.3b ¶610235283
IDC I 24 20 15 29.2–2.0 17.45S 178.86W 604–19 4.0,3.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=39.4km s-min=27.7km az=180.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=88.3km s-min=17.3km az=149.0.
IDC I 25 03 48 28.5–1.4 18.23S 175.94E 0 4.5L,3.8b ¶610184277
IDC Error ellipse: s-maj=102.5km s-min=23.9km az=162.0.
IDC I 25 05 12 38.8–2.7 14.99S 178.69W 422–37 3.7,3.0b ¶610235296
IDC Error ellipse: s-maj=123.7km s-min=26.5km az=151.0.
IDC I 25 06 27 59.9–7.5 18.95S 176.01W 0 3.5,3.5b ¶610235304
IDC Error ellipse: s-maj=385.6km s-min=112.3km az=153.0.
ISC I 26 00 02 17.9–.73 19.8S–.10 177.4W–.10 550 4.4b 29 5-85
NEIC I 26 00 02 17.9–1.3 19.9S–.20 177.39W–.08 530–11 4.5b ¶610235352
IDC I 26 00 02 18.6–2.7 19.43S 177.44W 558–34 4.4,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=25.7km s-min=9.4km az=165.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=96.9km s-min=26.1km az=155.0.
ISC I 26 13 16 29.9–.78 20.7S–.20 178.5W–.10 600 3.9b 17 4-150
IDC I 26 13 16 31.1–1.4 20.57S 178.63W 612–15 4.2,3.2b ¶610235386
ISC Event type ke.
IDC Error ellipse: s-maj=23.1km s-min=14.8km az=145.0.
ISC I 26 20 03 25.9–.97 20.2S–.20 179.8W–.10 650 4.1b 31 3-145
IDC I 26 20 03 23.6–2.8 20.67S 179.44W 636–21 4.1,3.0b ¶610235412
NEIC I 26 20 03 27.2–2.4 20.39S–.09 180.0E–.20 632–19 4.4b,3.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC I 27 16 05 07.3–13 20.00S 176.20W 579–84 3.5,2.5b ¶610235483
IDC Error ellipse: s-maj=301.4km s-min=33.0km az=139.0.
IDC I 27 20 40 09.2–50 17.21S 177.91W 564–33 3.7,2.8b ¶610235505
IDC Error ellipse: s-maj=896.7km s-min=141.6km az=79.0.
IDC I 28 06 32 00.9–46 17.86S 179.30W 589–133 3.7,2.8b ¶610235543
IDC Error ellipse: s-maj=934.5km s-min=119.6km az=81.0.
ISC I 28 17 00 15.2–.65 21.51S–.09 178.97W–.08 602 4.5b 59 5-79
NEIC I 28 17 00 15.7–1.2 21.7S–.10 179.0W–.10 585–13 4.5b ¶610235579
IDC I 28 17 00 15.0–1.9 21.56S 178.88W 603–35 4.4,3.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.4km s-min=16.0km az=79.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=43.3km s-min=37.6km az=167.0.
IDC I 29 09 12 47.1–4.4 17.24S 178.95W 586–19 4.1,3.2b ¶610235630
IDC Error ellipse: s-maj=107.9km s-min=76.7km az=144.0.
IDC I 29 12 53 53.9–7.5 19.19S 177.75W 581–43 3.8,2.7b ¶610235643
IDC Error ellipse: s-maj=202.1km s-min=37.9km az=142.0.
ISC I 29 13 11 38.1–.57 18.0S–.10 178.36W–.09 600 4.1b 49 3-151
NEIC I 29 13 11 38.2–1.6 17.95S–.06 178.3W–.10 595–9 4.2b ¶610235645
IDC I 29 13 11 41.1–1.5 17.84S 178.55W 628–17 4.1,3.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.8km s-min=6.5km az=71.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=25.5km s-min=14.6km az=151.0.
ISC I 29 13 34 38.2–.57 20.9S–.10 178.4W–.10 550 4.2b 64 5-150
NEIC I 29 13 34 37.2–1.6 20.9S–.20 178.4W–.20 538–11 4.3b ¶610235650
IDC I 29 13 34 40.4–2.4 20.95S 178.53W 574–21 4.1,3.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=23.2km s-min=19.2km az=142.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=61.9km s-min=13.6km az=152.0.
ISC I 30 19 42 34.0–.77 18.0S–.10 178.0W–.10 600 4.4b 40 4-148
NEIC I 30 19 42 35.3–.68 17.95S–.20 178.1W–.10 619–13 4.4b ¶610235757
IDC I 30 19 42 37.7–2.2 17.88S 178.38W 634–15 4.0,3.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=25.7km s-min=14.5km az=147.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=72.7km s-min=20.8km az=145.0.
ISC I 31 01 20 47.1–2.3 17.5S–.80 178.8W–.50 539 3.4b 9 3-147
IDC I 31 01 20 50.7–2.5 17.43S 178.94W 575–17 3.8,2.9b ¶610235766
ISC Event type ke.
IDC Error ellipse: s-maj=111.5km s-min=19.1km az=149.0.
ISC I 31 03 36 01.8–.57 17.8S–.10 178.81W–.09 539 4.1b 65 3-147
IDC I 31 03 36 01.9–.82 17.83S 178.84W 528–7 4.2,3.2b ¶610235773
NEIC I 31 03 36 02.8–1.6 17.0S–.30 178.9W–.20 551–11 4.3b,3.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 31 09 20 26.7–.28 17.83S–.06 178.66W–.05 550 4.5b 756 3-175
NOU I 31 09 20 26.6 17.75S 178.64W 543 4.8b ¶610180931
NEIC I 31 09 20 27.2–2.0 17.82S–.10 178.7W–.10 546–6 4.5b
IDC I 31 09 20 28.2–.79 17.89S 178.74W 565–7 4.8,3.9b
BGR I 31 09 20 30.4 18.75S 179.93W 600 4.8,3.9b
ISC Event type se.
NOU Fiji Islands Region.
NEIC Event type se. Error ellipse: s-maj=15.5km s-min=13.4km az=126.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=12.6km s-min=9.0km az=128.0.
BGR Event type ke.
ISC I 31 11 47 17.9–.56 18.5S–.10 177.65W–.09 550 4.2b 48 4-146
NEIC I 31 11 47 18.6–1.6 18.4S–.10 177.66W–.08 553–11 4.4b ¶610235816
IDC I 31 11 47 19.3–1.8 18.59S 177.56W 571–15 4.1,3.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.3km s-min=4.8km az=153.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=66.8km s-min=13.1km az=151.0.
IDC II 01 12 50 35.2–12 19.32S 177.09W 618–66 3.5,2.4b ¶610414614
IDC Error ellipse: s-maj=333.1km s-min=32.8km az=140.0.
ISC II 01 16 58 24.0–.61 20.4S–.10 178.5W–.10 587 4.3b 50 4-150
NEIC II 01 16 58 20.6–.76 20.41S–.09 178.2W–.20 553–8 4.4b ¶610414620
IDC II 01 16 58 23.3–2.7 20.25S 178.57W 565–20 4.2,3.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=22.1km s-min=13.1km az=89.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=73.8km s-min=13.9km az=155.0.
ISC II 01 18 05 50.9–.67 18.0S–.20 178.48W–.10 579 4.2b 30 3-87
NEIC II 01 18 05 52.7–.80 18.3S–.20 178.48W–.09 597–10 4.4b ¶610414621
IDC II 01 18 05 53.6–2.0 17.38S 178.87W 605–19 4.0,3.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=27.8km s-min=10.8km az=193.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=85.6km s-min=17.2km az=151.0.
ISC II 02 00 55 09.3–.69 18.8S–.20 177.8W–.10 600 4.2b 37 4-95
NEIC II 02 00 55 09.1–1.2 18.8S–.10 177.6W–.10 602–11 4.3b ¶610414637
IDC II 02 00 55 12.2–2.0 18.35S 178.08W 621–19 3.9,3.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.8km s-min=18.8km az=185.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=55.9km s-min=16.1km az=148.0.
IDC II 02 01 34 14.2–3.8 16.55S 179.59W 579–31 4.0,3.2b ¶610414639
IDC Error ellipse: s-maj=252.8km s-min=41.1km az=147.0.
ISC II 02 01 43 00.9–.91 20.7S–.20 177.5W–.10 500 3.5b 12 5-147
IDC II 02 01 43 02.3–2.1 20.63S 177.70W 519–23 4.1,3.1b ¶610414640
ISC Event type ke.
IDC Error ellipse: s-maj=30.8km s-min=17.5km az=147.0.
ISC II 02 04 48 34.5–.47 20.69S–.10 178.43W–.09 587 4.2b 138 4-172
NEIC II 02 04 48 33.0–1.0 20.7S–.10 178.3W–.20 571–7 4.2b ¶610414649
IDC II 02 04 48 36.5–1.5 20.64S 178.49W 606–16 4.4,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.5km s-min=18.2km az=113.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=21.5km s-min=10.4km az=151.0.
ISC II 02 05 03 39.0–2.4 19.2S–.60 177.2W–.30 550 3.0b 6 5-149
IDC II 02 05 03 42.3–11 18.70S 177.64W 570–52 3.5,2.5b ¶610414650
ISC Event type ke.
IDC Error ellipse: s-maj=334.8km s-min=30.8km az=141.0.
ISC II 03 18 37 18.7–.75 15.7S–.20 177.3W–.10 400 3.9b 26 5-144
NEIC II 03 18 37 18.6–1.6 15.7S–.20 177.3W–.20 407–9 3.9b ¶610414756
IDC II 03 18 37 19.8–1.6 15.63S 177.50W 417–21 4.1,3.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=25.8km s-min=18.5km az=143.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=64.8km s-min=16.2km az=152.0.
ISC II 03 19 41 53.1–1.2 17.8S–.30 178.5W–.20 600 4.0b 24 3-148
NEIC II 03 19 41 52.8–1.3 17.9S–.30 178.3W–.30 612–16 4.2b ¶610414760
IDC II 03 19 41 54.5–1.7 17.61S 178.73W 610–12 4.1,3.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=54.6km s-min=18.3km az=137.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=52.0km s-min=17.2km az=144.0.
ISC II 03 19 44 21.9–.66 19.7S–.10 177.36W–.09 550 4.2b 34 5-150
IDC II 03 19 44 20.2–2.6 20.05S 177.17W 542–20 4.1,3.3b ¶610414761
NEIC II 03 19 44 24–1.7 19.6S–.20 177.4W–.20 573–16 4.3b,3.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC II 04 05 12 55.7–26 19.72S 179.62W 650–248 3.4,2.4b ¶610414785

IDC Error ellipse: s-maj=350.0km s-min=51.4km az=133.0.
IDC II 04 09 25 45.6–8.2 18.96S 176.94W 0 3.4,3.4b ¶610414802
IDC Error ellipse: s-maj=355.0km s-min=42.3km az=143.0.
ISC II 04 15 51 40.4–1.3 18.0S–.20 178.2W–.30 550 3.8b 12 4-148
IDC II 04 15 51 39.6–2.1 17.99S 178.22W 537–19 4.1,3.3b ¶610414827
ISC Event type ke.
IDC Error ellipse: s-maj=35.0km s-min=21.7km az=123.0.
ISC II 04 19 17 08.4–.28 20.37S–.05 178.47W–.05 587 4.6b 610 4-173
NEIC II 04 19 17 08.4–2.0 20.3S–.10 178.46W–.09 580–6 4.7b ¶610197578
NOU II 04 19 17 09.1 20.39S 178.37W 597 4.6b
IDC II 04 19 17 11.1–.93 20.31S 178.67W 608–9 4.9,4.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.3km s-min=11.2km az=151.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Fiji Islands Region.
IDC Error ellipse: s-maj=11.1km s-min=8.9km az=143.0.
IDC II 05 06 51 49.4–1.8 20.01S 176.36W 0 4.6L,3.7 ¶610414862
IDC Error ellipse: s-maj=77.1km s-min=29.5km az=162.0.
ISC II 05 09 43 47.8–1.0 20.0S–.20 177.6W–.10 526 4.0b 17 5-70
NEIC II 05 09 43 47.9–.89 20.1S–.30 177.6W–.10 526–21 4.1b ¶610414870
IDC II 05 09 43 48.8–17 20.21S 177.71W 526–55 4.0,3.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=41.4km s-min=12.6km az=202.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=331.2km s-min=112.6km az=77.0.
ISC II 05 14 41 20.9–1.2 21.2S–.20 176.8W–.20 289 3.0b 10 6-151
IDC II 05 14 41 22.3–3.5 21.15S 176.88W 300–28 3.7,2.9b ¶610414888
ISC Event type ke.
IDC Error ellipse: s-maj=41.5km s-min=26.0km az=102.0.
ISC II 05 18 36 19.6–3.5 19.2S–.70 179.4W–.60 650 3.5b 6 3-145
IDC II 05 18 36 17.7–5.8 19.62S 179.11W 636–30 3.9,3.0b ¶610414903
ISC Event type ke.
IDC Error ellipse: s-maj=170.6km s-min=29.7km az=143.0.
ISC II 06 02 53 57.6–1.4 17.4S–.50 179.0W–.30 550 3.5b 20 3-149
IDC II 06 02 53 59.3–1.9 17.29S 179.07W 569–18 4.1,3.2b ¶610414924
ISC Event type ke.
IDC Error ellipse: s-maj=73.4km s-min=16.1km az=149.0.
IDC II 06 10 46 23.3–4.8 17.65S 178.71W 561–21 4.0,3.0b ¶610414963
IDC Error ellipse: s-maj=130.0km s-min=80.7km az=152.0.
ISC II 06 13 56 31.9–.88 16.2S–.20 176.6W–.20 400 4.1b 14 5-145
NEIC II 06 13 56 32.4–.33 16.2S–.20 176.6W–.10 404–7 4.1b ¶610414976
IDC II 06 13 56 32.5–2.0 16.00S 176.65W 407–24 3.9,3.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=35.6km s-min=15.0km az=154.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=289.4km s-min=26.4km az=157.0.
ISC II 07 02 18 55.4–1.7 21.7S–.20 178.6W–.30 550 3.7b 6 5-144
IDC II 07 02 18 56.6–2.7 21.59S 178.69W 566–26 4.0,3.0b ¶610415004
ISC Event type ke.
IDC Error ellipse: s-maj=47.7km s-min=28.0km az=130.0.
ISC II 07 06 34 41.0–1.3 18.7S–.30 177.3W–.20 150 3.6b 7 5-95
IDC II 07 06 34 39.8–6.8 18.84S 177.21W 139–52 3.9,3.5s ¶610415018
ISC Event type ke.
IDC Error ellipse: s-maj=97.4km s-min=23.2km az=145.0.
IDC II 07 10 02 41.3–8.7 18.67S 176.63W 0 3.6,3.6b ¶610415035
IDC Error ellipse: s-maj=384.8km s-min=37.5km az=143.0.
IDC II 07 11 50 17.1–7.6 14.53S 177.54W 0 3.9,3.9b ¶610415040
IDC Error ellipse: s-maj=340.6km s-min=37.9km az=139.0.
ISC II 07 12 23 23.4–.26 21.85S–.03 179.42W–.04 596–2 5.1b 1281 5-171
BJI II 07 12 23 22.6–.00 21.53S 179.00W 601 5.2b,5.1b ¶615092390
MOS II 07 12 23 23.0–.82 21.81S 179.42W 599 5.2b,5.1b
NOU II 07 12 23 23.8 21.79S 179.37W 597 5.1L,5.1b
NEIC II 07 12 23 23.0–2.1 21.82S–.09 179.39W–.09 581–5 5.0b,5.1b
IDC II 07 12 23 24.5–.39 21.81S 179.43W 602–4 5.4,4.5b
GCMT II 07 12 23 25.0–.40 21.93S–.05 179.47W–.03 599–3 5.4W,4.5b
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s28.33509°,δ73.17968°,λ-103.33857°. NP2: ϕ_s247.66510°,δ21.34670°,λ-52.65083°. Principal axes: T Plg26.9993°,Azm128.8847° ; N Plg12.7581°,Azm32.2600°; P Plg59.6792°,Azm279.4824°
NOU Fiji Islands Region.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. Moment Tensor Solution. s56,c68;Duration: 1.2 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.47±.04 $M_{\theta\theta}$0.17±.09; $M_{\phi\phi}$0.29±.07; $M_{r\theta}$-0.83±.09; $M_{\theta\phi}$-0.05±.07; $M_{\phi r}$-1.18±.07; Best double couple: NP1: ϕ_s34.00000°,δ83.00000°,λ-87.00000°. NP2:ϕ_s189.00000°,δ7.00000°,λ-115.00000°. Principal axes: T 1.3580,Plg38.0000°,Azm121.0000°; N 0.2560,Plg3.0000°,Azm214.0000° ; P -1.6140,Plg52.0000°,Azm308.0000° $M_0$1.48600×10^{17}
IDC II 07 14 27 18.5–8.6 18.65S 176.60W 0 3.5,3.5b ¶610415048
IDC Error ellipse: s-maj=376.2km s-min=39.9km az=143.0.
ISC II 07 15 56 48.5–.52 21.21S–.09 178.40W–.09 500 4.0b 58 5-155
NEIC II 07 15 56 47.7–2.1 21.2S–.10 178.4W–.10 483–9 4.2b ¶610415053
IDC II 07 15 56 49.4–2.3 21.32S 178.39W 506–26 4.1,3.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.9km s-min=10.7km az=149.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=35.2km s-min=17.6km az=143.0.
ISC II 08 00 06 44.4–.26 18.03S–.03 178.39W–.04 629–2 5.2b 1379 3-175
BJI II 08 00 06 42.9–.00 17.70S 178.25W 616 5.1b,5.0b ¶615092391
MOS II 08 00 06 43.6–1.0 17.93S 178.46W 624 5.2b,5.0b
IDC II 08 00 06 44.7–.35 18.04S 178.41W 628–3 5.5,4.6b
NEIC II 08 00 06 44.1–2.0 18.07S–.09 178.41W–.10 624–6 5.1b,4.6b
NOU II 08 00 06 44.6 18.09S 178.33W 629 5.7b,4.6b
GCMT II 08 00 06 50.1–.20 18.02S–.02 178.40W–.03 643–2 5.8W,4.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Fiji Islands Region.
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. Moment Tensor Solution. s112,c162;Duration: 1.9 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.77±.11 $M_{\theta\theta}$3.80±.17; $M_{\phi\phi}$-2.03±.18; $M_{r\theta}$3.99±.16; $M_{\theta\phi}$1.97±.17; $M_{\phi r}$-2.70±.18; Best double couple: NP1: ϕ_s293.00000°,δ80.00000°,λ-54.00000°. NP2:ϕ_s37.00000°,δ37.00000°,λ-163.00000°. Principal axes: T 5.9170,Plg26.0000°,Azm355.0000°; N 0.4590,Plg35.0000°,Azm105.0000° ; P -6.3760,Plg44.0000°,Azm237.0000° $M_0$6.14700×10^{17}
IDC II 08 00 12 12.9–7.7 18.03S 178.70W 640–24 4.0,2.9b ¶610415077
IDC Error ellipse: s-maj=334.6km s-min=41.0km az=147.0.
ISC II 08 12 14 42.0–.49 20.88S–.09 178.54W–.10 550 4.3b 71 4-150
IDC II 08 12 14 40.6–1.8 20.95S 178.48W 539–20 4.3,3.5b ¶610415119
NEIC II 08 12 14 41.3–2.1 20.8S–.10 178.4W–.10 532–9 4.3b,3.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC II 08 21 06 30.6–8.0 15.58S 179.01W 0 3.4s,3.4 ¶610415143
IDC Error ellipse: s-maj=360.9km s-min=36.9km az=141.0.
IDC II 09 01 23 46.4–6.6 19.58S 177.63W 0 4.2,4.2b ¶610415151
IDC Error ellipse: s-maj=177.7km s-min=106.1km az=139.0.
IDC II 09 06 29 28.8–7.1 19.56S 177.62W 0 3.9,3.9b ¶610415162
IDC Error ellipse: s-maj=309.3km s-min=38.9km az=144.0.
IDC II 09 09 14 15.1–10.0 20.40S 178.16W 564–60 4.0,3.1b ¶610415167
IDC Error ellipse: s-maj=233.9km s-min=28.3km az=143.0.
IDC II 10 04 19 37.7–51 16.91S 178.93W 0 4.0,4.0b ¶610415213
IDC Error ellipse: s-maj=941.0km s-min=157.4km az=77.0.
ISC II 10 13 01 56.2–1.3 16.8S–.20 177.8W–.10 35 4.4b 4 8-85
IDC II 10 13 01 51.0–4.0 16.58S 178.10W 0 4.0,4.0b ¶610415236
NEIC II 10 13 01 59.9–.68 16.8S–.50 177.5W–.40 94–43 4.6b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 10 17 08 15.6–.87 20.2S–.10 178.2W–.20 569 4.3b 26 4-88
NEIC II 10 17 08 14.6–2.2 20.2S–.10 177.9W–.20 565–7 4.5b ¶610415248
IDC II 10 17 08 15.7–2.1 20.24S 178.13W 566–23 4.0,3.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=30.3km s-min=17.9km az=95.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=32.9km s-min=22.5km az=137.0.
IDC II 10 20 01 33.6–53 19.64S 178.13W 0 3.8,3.8b ¶610415259
IDC Error ellipse: s-maj=964.9km s-min=159.8km az=81.0.
IDC II 11 04 38 46.2–25 17.53S 178.75W 604–315 3.9,2.9b ¶610208127
IDC Error ellipse: s-maj=255.7km s-min=84.0km az=148.0.
IDC II 11 06 28 55.7–14 20.74S 177.02W 412–147 4.4,3.6b ¶610415290
IDC Error ellipse: s-maj=176.0km s-min=47.3km az=7.0.
ISC II 12 14 51 01.8–.76 20.6S–.20 178.2W–.10 450 4.1b 38 14-150
IDC II 12 14 50 59.9–6.3 20.53S 178.20W 424–65 3.9,3.1b ¶610415384
NEIC II 12 14 51 02.9–1.2 20.6S–.20 178.1W–.20 469–9 4.2b,3.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 13 03 15 08.9–.77 16.1S–.20 176.5W–.10 350 3.9b 22 5-149
IDC II 13 03 15 09.0–1.6 16.08S 176.47W 348–17 4.2,3.5b ¶610415416
ISC Event type ke.
IDC Error ellipse: s-maj=36.8km s-min=13.6km az=144.0.
ISC II 13 12 31 55.2–.42 15.67S–.04 177.43W–.05 398–4 4.9b 822 2-177
NEIC II 13 12 31 55.0–2.5 15.7S–.10 177.4W–.10 388–6 5.1b ¶610243803
BJI II 13 12 31 54.0–.00 15.70S 177.40W 397 5.0b,4.7b
IDC II 13 12 31 54.6–1.0 15.48S 177.53W 389–10 5.1,4.4b
MOS II 13 12 31 55.3–1.1 15.56S 177.53W 405 4.9b,4.4b
BGR II 13 12 31 55.6 15.54S 177.31W 400 4.9b,4.4b
NOU II 13 12 31 56.5 15.64S 177.33W 424 4.9b,4.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.6km s-min=14.4km az=125.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=14.4km s-min=8.0km az=146.0.
MOS Error ellipse: s-maj=10.7km s-min=9.3km az=67.7.
ISC Event type ke. Hypocentre not reviewed by the ISC.
NOU Fiji Islands Region.
ISC II 13 15 12 51.2–.47 20.89S–.09 178.49W–.08 550 4.6b 117 9-172
IDC II 13 15 12 51.0–2.1 20.72S 178.75W 531–20 4.4,3.5b ¶610208861
NEIC II 13 15 12 50.0–1.6 21.0S–.10 178.5W–.20 534–8 4.7b,3.5b
NOU II 13 15 12 54.3 21.20S 178.78W 548 4.4b,3.5b
ISC Event type se.
IDC Error ellipse: s-maj=49.0km s-min=13.3km az=149.0.
NEIC Event type se. Error ellipse: s-maj=21.2km s-min=18.8km az=114.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Fiji Islands Region.
ISC II 13 23 00 40.1–.48 20.41S–.09 177.64W–.07 350 4.3b 80 7-173
IDC II 13 23 00 38.6–2.5 20.60S 177.63W 336–24 4.7,4.0b ¶610415473
NEIC II 13 23 00 42.9–1.7 20.2S–.20 177.55W–.10 386–10 4.5b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 14 02 37 40.7–4.9 21.9S–1.0 178.0W–.90 35 3.7b 6 37-148
IDC II 14 02 37 34.0–4.3 22.07S 177.74W 0 4.0,4.0b ¶610415481
ISC Event type ke.
IDC Error ellipse: s-maj=196.7km s-min=50.2km az=146.0.
IDC II 14 04 11 17.9–6.8 19.46S 177.13W 0 3.5,3.5b ¶610415483
IDC Error ellipse: s-maj=341.4km s-min=64.6km az=148.0.
ISC II 15 00 51 25.2–.44 20.80S–.09 178.53W–.09 579 4.1b 116 4-154
NEIC II 15 00 51 22.5–1.3 20.9S–.10 178.4W–.10 541–7 4.3b ¶610243805
IDC II 15 00 51 25.6–1.9 20.82S 178.60W 599–22 4.4,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.6km s-min=15.7km az=112.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=16.1km s-min=12.4km az=120.0.
ISC II 15 13 41 12.2–.35 16.09S–.07 176.19W–.06 360 4.4b 169 5-176
BGR II 15 13 40 26.7 16.94S 175.91W 33 4.4b ¶610216331
IDC II 15 13 41 11.7–1.2 16.12S 176.19W 357–12 4.4,3.7b
NEIC II 15 13 41 13.4–2.6 16.0S–.10 176.0W–.10 371–8 4.4b,3.7b
ISC Event type se.
ISC Event type ke. Hypocentre not reviewed by the ISC.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC II 15 18 35 39.8–12 17.91S 178.39W 563–126 3.9,3.0b ¶610415579
IDC Error ellipse: s-maj=137.9km s-min=46.6km az=131.0.
ISC II 15 22 30 38.8–.62 18.0S–.10 178.3W–.10 600 4.5b 71 3-149
IDC II 15 22 30 34.1–4.0 17.99S 178.16W 548–44 4.3,3.5b ¶610415590
NEIC II 15 22 30 40.0–1.2 18.0S–.10 178.3W–.20 613–10 4.5b,3.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC II 16 02 51 07.4–1.6 19.68S 176.76W 623–115 4.2,3.1b ¶610415604
IDC Error ellipse: s-maj=100.3km s-min=25.4km az=80.0.
ISC II 16 12 10 01.0–.32 20.61S–.04 178.50W–.04 602–3 5.2b 1328 2-173
BJI II 16 12 09 58.3–.00 20.47S 178.02W 592 5.2b,5.0b ¶615092408
MOS II 16 12 10 00.7–.87 20.61S 178.59W 601 5.2b,5.0b
NOU II 16 12 10 01.1 20.70S 178.54W 595 5.1b,5.0b
NEIC II 16 12 10 01.5–1.8 20.75S–.10 178.57W–.10 599–5 5.3,5.2b
IDC II 16 12 10 02.1–.64 20.70S 178.63W 607–7 5.4,4.6b
NEIC II 16 12 10 02.2 20.78S 178.35W 610 5.4,4.6b
GCMT II 16 12 10 02.5–.30 20.64S–.03 178.61W–.02 609–2 5.3W,4.6b
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s168.85184°,δ61.73992°,λ-130.08322°. NP2: ϕ_s49.48958°,δ47.63008°,λ-39.85611°. Principal axes: T Plg8.1481°,Azm286.2357° ; N Plg34.5518°,Azm190.5774°; P Plg54.2258°,Azm27.6971°
NOU Fiji Islands Region.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution.Duration: 2.4 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.69 $M_{\theta\theta}$-0.07 $M_{\phi\phi}$0.76 $M_{r\theta}$-0.64 $M_{\theta\phi}$0.70 $M_{\phi r}$-0.37 NP1:ϕ_s54.99000°,δ68.21000° ,λ-60.33000°. NP2:ϕ_s178.08000°,δ36.21000°,λ-141.07000°. Principal axes: T 1.3720,Plg18.0000°,Azm123.0000°; N -0.2736,Plg27.0000°,Azm223.0000° ; P -1.0984,Plg56.0000°,Azm4.0000° $M_0$1.24000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. Moment Tensor Solution. s105,c142;Duration: 1.1 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.95±.03 $M_{\theta\theta}$-0.01±.06; $M_{\phi\phi}$0.96±.05; $M_{r\theta}$-0.65±.05; $M_{\theta\phi}$0.14±.05; $M_{\phi r}$-0.61±.05; Best double couple: NP1:ϕ_s31.00000° ,δ67.00000°,λ-71.00000°. NP2:ϕ_s169.00000°,δ30.00000°,λ-128.00000°. Principal axes: T 1.2350,Plg19.0000°,Azm107.0000°; N 0.1550,Plg18.0000°,Azm203.0000° ; P -1.3900,Plg63.0000°,Azm333.0000° $M_0$1.31300×10^{17}
ISC II 17 00 05 44.6–1.8 18.0S–.70 178.2W–.40 590 3.5b 9 34-148

IDC II 17 00 05 46.8–5.8 18.04S 178.21W 615–67 3.9,2.9b ¶610415655
ISC Event type ke.
IDC Error ellipse: s-maj=88.3km s-min=25.4km az=151.0.
ISC II 17 11 15 01.2–.87 17.4S–.20 179.0W–.10 600 4.1b 31 3-87
NEIC II 17 11 14 56.6–2.0 16.9S–.20 178.33W–.08 609–16 4.2b ¶610415687
IDC II 17 11 15 02.5–6.2 17.33S 179.03W 607–78 4.0,3.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=33.0km s-min=9.8km az=168.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=102.3km s-min=29.1km az=152.0.
ISC II 18 07 23 13.5–.85 20.0S–.20 177.6W–.20 550 4.0b 13 8-150
IDC II 18 07 23 12.7–2.3 20.08S 177.76W 536–27 4.2,3.3b ¶610415747
ISC Event type ke.
IDC Error ellipse: s-maj=36.3km s-min=17.6km az=145.0.
ISC II 18 14 11 28.5–1.6 21.7S–.60 178.1W–.40 412 3.1b 11 37-151
IDC II 18 14 11 12.7–10 21.50S 177.89W 252–100 3.6,3.1b ¶610415762
ISC Event type ke.
IDC Error ellipse: s-maj=100.7km s-min=29.0km az=154.0.
ISC II 18 14 50 48.3–1.2 15.7S–.50 177.3W–.20 350 3.4b 9 6-144
IDC II 18 14 50 49.9–2.2 15.91S 177.09W 373–28 3.8,3.0b ¶610415763
ISC Event type ke.
IDC Error ellipse: s-maj=98.7km s-min=20.0km az=151.0.
ISC II 19 03 15 27.5–.80 17.6S–.20 179.1W–.10 539 3.6b 13 21-147
IDC II 19 03 15 24.1–2.8 17.58S 178.98W 500–31 4.1,3.3b ¶610415794
ISC Event type ke.
IDC Error ellipse: s-maj=22.4km s-min=16.7km az=146.0.
ISC II 19 03 50 23.3–.49 20.2S–.10 177.42W–.09 550 4.2b 99 5-173
NEIC II 19 03 50 21.2–1.5 20.3S–.10 177.3W–.10 527–8 4.3b ¶610415796
IDC II 19 03 50 24.8–2.5 20.21S 177.58W 549–28 4.5,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.2km s-min=17.0km az=146.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=24.7km s-min=12.6km az=154.0.
ISC II 19 06 04 21.8–.46 20.71S–.08 178.62W–.08 587 4.2b 104 2-152
NEIC II 19 06 04 20.9–1.9 20.6S–.10 178.5W–.10 571–8 4.4b ¶610415800
NOU II 19 06 04 22.2 20.49S 178.34W 632 4.2b
IDC II 19 06 04 23.2–2.6 20.47S 178.73W 602–29 4.4,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.8km s-min=16.0km az=141.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Fiji Islands Region.
IDC Error ellipse: s-maj=24.7km s-min=16.1km az=145.0.
IDC II 19 09 51 05.3–6.2 19.53S 177.03W 0 3.6,3.6b ¶610415807
IDC Error ellipse: s-maj=302.9km s-min=62.5km az=148.0.
ISC II 19 11 02 21.3–.40 15.90S–.09 179.66W–.07 22 4.7b,4.3s 83 3-148
IDC II 19 11 02 17.2–.65 15.96S 179.64W 0 4.3,4.3b ¶610231559
BJI II 19 11 02 19.0–.00 15.80S 179.60W 5 5.3b,4.9s
NEIC II 19 11 02 19.7–1.8 15.9S–.10 179.6W–.10 10–1 4.9b,4.9s
GCMT II 19 11 02 23.7–.20 15.73S–.01 179.57W–.01 12 5.0W,4.9s
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s36,c49; s110,c165;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.01±.10 $M_{\theta\theta}$1.90±.09; $M_{\phi\phi}$-0.88±.09; $M_{r\theta}$0.49±.24; $M_{\theta\phi}$3.07±.07; $M_{\phi r}$-0.02±.27; Best double couple: NP1:ϕ_s282.00000°,δ87.00000°,λ-9.00000°. NP2:ϕ_s12.00000°,δ81.00000°,λ-177.00000°. Principal axes: T 3.9110,Plg5.0000° ,Azm327.0000°; N -1.0020,Plg80.0000°,Azm86.0000°; P -2.9080,Plg9.0000°,Azm237.0000° $M_0$3.41000×10^{16}
IDC II 19 12 12 28.4–53 16.76S 176.49W 0 4.0,4.0b ¶610415816
IDC Error ellipse: s-maj=999.0km s-min=184.7km az=78.0.
ISC II 19 14 43 32.2–.97 15.2S–.20 178.5W–.20 10 4.4b 17 16-86
IDC II 19 14 43 30.9–1.4 15.30S 178.25W 0 4.0,4.0b ¶610415819
NEIC II 19 14 43 32.7–1.8 15.2S–.20 178.3W–.20 10–1 4.4b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 19 15 11 58.0–2.0 17.8S–.80 178.3W–.40 579 3.3b 7 34-87
IDC II 19 15 12 02.7–16 17.85S 178.44W 641–222 3.8,2.8b ¶610415821
ISC Event type ke.
IDC Error ellipse: s-maj=112.6km s-min=66.7km az=159.0.
ISC II 19 17 07 18.0–.49 19.37S–.09 177.32W–.08 600 4.5b 90 2-147
IDC II 19 17 07 15.9–1.5 19.43S 177.40W 558–19 4.4,3.4b ¶610231643
NOU II 19 17 07 17.8 19.25S 177.35W 582 4.4b,3.4b
NEIC II 19 17 07 17.1–1.9 19.3S–.10 177.3W–.10 589–11 4.5b,3.4b
ISC Event type se.
NOU Fiji Islands Region.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 19 19 16 13.7–.53 19.7S–.10 177.78W–.08 500 4.2b 49 7-174
NEIC II 19 19 16 14.7–2.4 20.1S–.10 178.1W–.10 451–12 4.1b ¶610415836
IDC II 19 19 16 16.4–2.0 19.74S 177.53W 535–22 4.2,3.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.5km s-min=7.9km az=48.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=19.6km s-min=15.4km az=146.0.
IDC II 20 00 30 11.7–4.1 20.59S 179.53W 0 3.5,3.5b ¶610384658
IDC Error ellipse: s-maj=198.9km s-min=40.6km az=146.0.
ISC II 20 05 05 32.1–.79 20.3S–.20 178.1W–.10 550 4.1b 18 4-143
NEIC II 20 05 05 32.0–.40 20.3S–.50 178.0W–.20 548–27 4.2b ¶610384670
IDC II 20 05 05 44.9–10 20.08S 178.72W 694–139 3.9,2.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=65.3km s-min=21.0km az=185.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=123.0km s-min=53.8km az=155.0.
ISC II 20 05 18 11.4–.30 21.53S–.05 178.89W–.06 550 4.5b 520 3-172
IDC II 20 05 18 08.2–1.4 21.46S 178.84W 509–15 4.7,3.8b ¶610243820
NOU II 20 05 18 09.8 21.50S 178.50W 555 4.8b,3.8b
NEIC II 20 05 18 10.1–2.1 21.5S–.10 178.8W–.10 527–6 4.4b,3.8b
ISC Event type se.
NOU Fiji Islands Region.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC II 20 12 52 04.2–9.8 17.69S 178.36W 606–111 3.7,2.8b ¶610384684
IDC Error ellipse: s-maj=115.5km s-min=36.9km az=145.0.
ISC II 20 21 28 03.3–1.7 15.7S–.50 176.3W–.20 10 3.9b 7 5-93
IDC II 20 21 28 02.1–1.9 15.51S 176.38W 0 3.8,3.8b ¶610384705
ISC Event type ke.
IDC Error ellipse: s-maj=94.8km s-min=26.8km az=155.0.
ISC II 20 21 28 55.6–1.4 15.5S–.50 176.2W–.20 10 4.1b,4.1s 13 5-144
IDC II 20 21 28 54.0–1.6 15.53S 176.22W 0 4.1s,4.0 ¶610272791
GCMT II 20 21 29 06.0–.30 14.90S–.01 176.54W–.01 12 4.9W,4.0
ISC Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. Moment Tensor Solution. s32,c36; s108,c144;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.14±.08 $M_{\theta\theta}$1.77±.09; $M_{\phi\phi}$-0.62±.09; $M_{r\theta}$0.25±.23; $M_{\theta\phi}$2.83±.06; $M_{\phi r}$0.23±.24; Best double couple: NP1:ϕ_s11.00000° ,δ89.00000°,λ175.00000°. NP2:ϕ_s102.00000°,δ85.00000°,λ1.00000°. Principal axes: T 3.6690,Plg4.0000°,Azm326.0000°; N -1.1610,Plg85.0000°,Azm179.0000° ; P -2.5030,Plg3.0000°,Azm57.0000° $M_0$3.08600×10^{16}
ISC II 20 23 55 49.7–.31 15.11S–.07 176.32W–.05 17 5.3b,5.2s 634 4-177
IDC II 20 23 55 46.3–.60 15.18S 176.48W 0 5.0s,4.6 ¶610237804
NEIC II 20 23 55 48.8–1.7 15.0S–.10 176.38W–.09 6–1 5.5,5.4b
MOS II 20 23 55 49.9–1.2 14.92S 176.65W 28 5.5b,5.3s
NOU II 20 23 55 50.0 15.44S 176.10W 0 4.9b,5.3s
NEIC II 20 23 55 53 15.00S 176.51W 12 4.9b,5.3s
GCMT II 20 23 55 54.8–.10 14.89S–.01 176.56W–.01 12 5.4W,5.3s
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution: Scale 10^{17}Nm; M_{rr}-0.62 $M_{\theta\theta}$0.93 $M_{\phi\phi}$-0.31 $M_{r\theta}$-0.18 $M_{\theta\phi}$1.06 $M_{\phi r}$0.46 NP1:ϕ_s201.39000°,δ66.72000°,λ-151.27000°. NP2:ϕ_s99.17000°,δ63.80000° ,λ-26.14000°. Principal axes: T 1.5419,Plg2.0000°,Azm330.0000°; N -0.2594,Plg54.0000° ,Azm237.0000°; P -1.2825,Plg36.0000°,Azm61.0000° $M_0$1.43000×10^{17}
NOU Fiji Islands Region.
NEIC Event type se. Moment Tensor Solution.Duration: 10s6 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.80 $M_{\theta\theta}$1.22 $M_{\phi\phi}$-0.42 $M_{r\theta}$-0.10 $M_{\theta\phi}$1.64 $M_{\phi r}$-0.66 NP1:ϕ_s280.00000°,δ63.00000° ,λ-16.00000°. NP2:ϕ_s18.00000°,δ75.00000°,λ-152.00000°. Principal axes: T 2.2962,Plg8.0000°,Azm147.0000°; N -0.5640,Plg59.0000°,Azm43.0000° ; P -1.7321,Plg30.0000°,Azm242.0000° $M_0$2.07000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s106,c186; s158,c303;Duration: 1s3 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.06±.02 $M_{\theta\theta}$1.26±.02; $M_{\phi\phi}$-0.19±.02; $M_{r\theta}$-0.16±.05; $M_{\theta\phi}$1.66±.02; $M_{\phi r}$0.06±.06; Best double couple: NP1:ϕ_s98.00000°,δ73.00000°,λ-20.00000°. NP2:ϕ_s195.00000°,δ71.00000°,λ-162.00000°. Principal axes: T 2.3480,Plg2.0000° ,Azm147.0000°; N -0.9950,Plg64.0000°,Azm240.0000°; P -1.3470,Plg26.0000° ,Azm56.0000° $M_0$1.84700×10^{17}
ISC II 21 00 45 22.5–4.2 21.5S–.80 177.5W–.70 381 3.6b 6 38-148
IDC II 21 00 44 41.6–4.7 20.32S 177.43W 0 4.2,4.2b ¶610384717
ISC Event type ke.
IDC Error ellipse: s-maj=186.6km s-min=51.2km az=141.0.
ISC II 21 01 41 09.8–.58 20.4S–.10 177.69W–.09 500 4.3b 44 5-143
IDC II 21 01 41 09.6–1.9 20.39S 177.66W 500–22 4.4,3.5b ¶610384722
NEIC II 21 01 41 11.8–1.8 20.4S–.20 177.8W–.10 513–6 4.4b,3.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 21 02 26 56.0–.35 20.67S–.06 178.34W–.07 587 4.5b 334 2-173
NEIC II 21 02 26 53.3–2.0 20.5S–.10 178.3W–.10 545–6 4.5b ¶615092414
IDC II 21 02 26 53.8–1.9 20.41S 178.38W 550–21 4.7,3.8b
NOU II 21 02 26 54.6 20.49S 178.28W 569 4.6b,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.8km s-min=15.4km az=150.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=22.9km s-min=12.5km az=150.0.
NOU Fiji Islands Region.
ISC II 21 20 23 40.3–.58 19.6S–.10 177.61W–.09 426 4.0b 54 5-152
NEIC II 21 20 23 40.0–.80 19.6S–.20 177.58W–.05 426–11 4.3b ¶610384772
IDC II 21 20 23 41.4–2.4 19.77S 177.77W 427–24 4.0,3.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=25.2km s-min=6.2km az=181.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=25.8km s-min=18.3km az=124.0.
ISC II 22 09 47 38.7–.30 20.87S–.05 178.47W–.06 579 4.8b 575 3-172
BJI II 22 09 47 36.4–.00 20.65S 177.92W 579 5.2b,5.0b ¶610239565
NEIC II 22 09 47 38.7–2.1 20.9S–.10 178.5W–.10 566–6 4.7b,5.0b
IDC II 22 09 47 40.0–1.1 20.85S 178.63W 588–11 5.1,4.2b
NOU II 22 09 47 40.0 20.83S 178.42W 595 5.0b,4.2b
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s125.30164°,δ15.12646°,λ-173.68669°. NP2: ϕ_s29.20540°,δ88.35564°,λ-74.96111°. Principal axes: T Plg41.4768°,Azm105.0302° ; N Plg15.0326°,Azm208.7637°; P Plg44.6600°,Azm314.1538°
NEIC Event type se. Error ellipse: s-maj=17.0km s-min=14.2km az=119.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=13.1km s-min=9.8km az=124.0.
NOU Fiji Islands Region.
ISC II 22 14 04 07.1–.54 17.9S–.10 178.6W–.10 550 4.3b 56 3-150
NEIC II 22 14 04 06.9–1.2 17.84S–.05 178.5W–.10 551–9 4.4b ¶610384813
IDC II 22 14 04 08.8–1.6 17.88S 178.77W 562–19 4.2,3.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.6km s-min=6.7km az=85.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=24.8km s-min=14.4km az=144.0.
IDC II 22 21 12 29.9–2.1 15.55S 176.38W 0 3.8,3.8b ¶610384831
IDC Error ellipse: s-maj=119.2km s-min=27.4km az=149.0.
IDC II 23 00 27 36.5–2.4 17.64S 177.25W 0 3.7,3.7b ¶610384835
IDC Error ellipse: s-maj=139.0km s-min=29.3km az=152.0.
IDC II 23 02 16 52.2–5.4 17.13S 177.09W 417–32 3.9,3.0b ¶610384840
IDC Error ellipse: s-maj=136.1km s-min=27.6km az=136.0.
IDC II 23 08 59 31.8–27 20.17S 179.26W 650–250 3.8,2.8b ¶610384866
IDC Error ellipse: s-maj=232.5km s-min=86.1km az=92.0.
ISC II 23 11 04 57.0–.48 17.8S–.10 178.52W–.08 600 4.3b 87 3-94
NOU II 23 11 04 36.6 17.12S 176.66W 508 4.3b ¶610384876
NEIC II 23 11 04 57.9–1.3 18.0S–.10 178.5W–.10 604–9 4.4b
IDC II 23 11 04 58.9–1.8 17.60S 178.75W 611–19 4.3,3.4b
ISC Event type se.
NOU Fiji Islands Region.
NEIC Event type se. Error ellipse: s-maj=21.1km s-min=14.4km az=148.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=53.6km s-min=14.6km az=148.0.
ISC II 23 23 07 04.5–1.1 21.6S–.20 178.8W–.20 584 4.2b 36 5-151
IDC II 23 23 07 02.7–4.9 21.89S 178.67W 562–35 4.5,3.5b ¶610384907
NEIC II 23 23 07 03.2–.79 21.5S–.10 178.5W–.20 584–23 4.1b,3.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 24 16 19 01.1–1.5 20.3S–.10 178.8W–.20 550 4.2b 35 4-146
IDC II 24 16 19 01.6–2.2 19.96S 178.83W 549–18 4.3,3.4b ¶610384943
NEIC II 24 16 19 02.2–1.2 20.3S–.20 178.8W–.20 543–25 4.2b,3.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC II 24 20 01 00.1–3.6 16.41S 177.42W 0 3.6,3.6b ¶610384956
IDC Error ellipse: s-maj=498.4km s-min=34.7km az=158.0.
ISC II 24 22 05 46.5–.52 18.1S–.10 178.25W–.08 579 4.2b 77 4-175
NEIC II 24 22 05 46.7–1.8 17.9S–.20 178.2W–.10 579–9 4.3b ¶610384959
IDC II 24 22 05 46.9–1.3 18.10S 178.25W 583–14 4.2,3.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=23.6km s-min=16.4km az=148.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=23.4km s-min=13.4km az=137.0.
ISC II 24 23 46 43.9–.27 18.00S–.03 178.47W–.03 578–2 5.9b 2416 0-175
BJI II 24 23 46 41.3–.00 17.99S 178.40W 560 5.6b,5.3b ¶615092426
MOS II 24 23 46 42.2–1.0 17.86S 178.54W 558 5.7b,5.3b
IDC II 24 23 46 43.1–.59 18.08S 178.44W 568–6 6.2,5.3b
NOU II 24 23 46 45.0 17.91S 178.43W 580 5.9L,5.3b
NEIC II 24 23 46 45.4 17.76S 178.35W 600 5.9L,5.3b
NEIC II 24 23 46 45.4–1.6 17.97S–.08 178.44W–.09 582–3 5.9,5.9
NEIC II 24 23 46 45.4 17.96S 178.45W 600 5.9,5.9
GCMT II 24 23 46 48.4–.20 17.93S–.02 178.42W–.02 592–1 5.9W,5.9
BGR II 24 23 46 49.0 17.14S 176.98W 600 5.9W,5.9
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s164.49289°,δ83.02605°,λ97.45788°. NP2: ϕ_s297.33975°,δ10.19709°,λ43.30194°. Principal axes: T Plg51.4251°,Azm82.9572° ; N Plg7.4024°,Azm343.5823°; P Plg37.5955°,Azm247.8411°

MOS Error ellipse: s-maj=7.6km s-min=6.8km az=97.0.
IDC Error ellipse: s-maj=6.4km s-min=6.1km az=124.0.
NOU Fiji Islands Region.
NEIC Event type se. Moment Tensor Solution.Duration: 4s5 Moment tensor: Scale 10^{17}Nm; M_{rr}0.19 $M_{\theta\theta}$3.32 $M_{\phi\phi}$-3.51 $M_{r\theta}$3.87 $M_{\theta\phi}$-4.03 $M_{\phi r}$-5.67 NP1:φs156.62000°,δ88.69000°,λ51.88000°. NP2:φs64.95000°,δ38.14000°,λ177.88000°. Principal axes: T 9.3602,Plg35.0000°,Azm34.0000°; N -1.6155,Plg38.0000°,Azm158.0000°; P -7.7446,Plg33.0000°,Azm278.0000° $M_0$8.55000×10^{17}
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=11.6km az=139.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.08 $M_{\theta\theta}$2.02 $M_{\phi\phi}$-3.11 $M_{r\theta}$3.50 $M_{\theta\phi}$-1.55 $M_{\phi r}$-5.95 NP1:φs153.02000°,δ85.93000°,λ66.61000°. NP2:φs53.70000°,δ23.72000°,λ169.84000°. Principal axes: T 7.7638,Plg44.0000°,Azm40.0000°; N -0.3717,Plg23.0000°,Azm155.0000°; P -7.3921,Plg37.0000°,Azm264.0000° $M_0$7.58000×10^{17}
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to mantle waves, cutoff=125s. Triangular moment-rate function. Moment Tensor Solution. s116,c192; s4,c4;Duration: 2s2 Moment tensor: Scale 10^{18}Nm; M_{rr}0.01±.01 $M_{\theta\theta}$0.52±.02; $M_{\phi\phi}$-0.52±.02; $M_{r\theta}$0.34±.02; $M_{\theta\phi}$-0.28±.02; $M_{\phi r}$-0.68±.02; Best double couple: NP1:φs150.00000°,δ90.00000°,λ52.00000°. NP2:φs60.00000°,δ38.00000°,λ180.00000°. Principal axes: T 0.9340,Plg34.0000°,Azm29.0000°; N 0.0530,Plg38.0000°,Azm151.0000°; P -0.9870,Plg34.0000°,Azm272.0000° $M_0$0.96000×10^{18}
ISC Event type ke. Hypocentre not reviewed by the ISC.
IDC II 25 00 27 46.1–1.5 18.41S 176.28W 0 3.8b,3.7 ¶610384966
IDC Error ellipse: s-maj=63.8km s-min=45.2km az=156.0.
ISC II 25 00 36 20.8–.58 17.9S–.10 178.4W–.10 579 4.0b 48 3-148
IDC II 25 00 36 20.0–2.0 17.74S 178.57W 563–26 4.2,3.3b **¶610384967**
NEIC II 25 00 36 21.4–.77 17.8S–.10 178.38W–.10 593–11 4.2b,3.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 25 00 51 55.8–1.2 19.7S–.30 178.2W–.20 550 3.2b 7 4-173
IDC II 25 00 51 56.5–2.7 19.66S 178.27W 554–26 3.5,2.7b **¶610384968**
ISC Event type ke.
IDC Error ellipse: s-maj=55.7km s-min=26.1km az=150.0.
IDC II 25 01 43 10.6–2.5 17.31S 178.97W 602–20 4.0,3.1b ¶610384970
IDC Error ellipse: s-maj=124.2km s-min=26.1km az=151.0.
ISC II 25 03 00 05.5–1.4 18.1S–.50 178.1W–.20 600 3.3b 13 4-148
IDC II 25 03 00 08.1–2.2 17.59S 178.57W 623–14 3.7,2.8b **¶610384973**
ISC Event type ke.
IDC Error ellipse: s-maj=91.5km s-min=18.6km az=149.0.
ISC II 25 04 07 13.7–1.0 18.0S–.30 178.2W–.20 600 3.7b 20 4-148
IDC II 25 04 07 15.8–1.3 17.87S 178.41W 622–10 4.1,3.2b **¶610384976**
ISC Event type ke.
IDC Error ellipse: s-maj=34.2km s-min=12.4km az=148.0.
ISC II 25 04 59 25.8–.98 15.4S–.40 177.6W–.20 400 3.2b 7 5-144
IDC II 25 04 59 26.1–1.6 15.87S 177.48W 417–23 3.7,2.9b **¶610384978**
ISC Event type ke.
IDC Error ellipse: s-maj=108.0km s-min=16.5km az=154.0.
IDC II 25 08 07 51.8–3.8 17.88S 178.70W 609–26 3.8,2.9b ¶610384989
IDC Error ellipse: s-maj=257.3km s-min=29.3km az=158.0.
ISC II 25 08 51 12.5–2.6 19.5S–.60 178.7W–.40 650 3.7b 7 4-142
IDC II 25 08 51 14.3–4.3 19.15S 178.96W 651–25 3.9,2.9b **¶610384992**
ISC Event type ke.
IDC Error ellipse: s-maj=125.5km s-min=27.2km az=143.0.
IDC II 25 11 14 25.3–2.8 19.79S 179.95W 549–43 3.6,2.8b ¶610384998
IDC Error ellipse: s-maj=112.8km s-min=38.3km az=32.0.
ISC II 25 14 01 49.1–.91 21.4S–.10 178.0W–.10 450 4.1b 55 5-151
NEIC II 25 14 01 50.1–1.6 21.6S–.20 177.9W–.10 480–12 4.2b **¶610385002**
IDC II 25 14 01 51.7–2.2 21.44S 178.04W 476–21 4.3,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=35.3km s-min=3.8km az=150.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=26.9km s-min=16.3km az=112.0.
ISC II 26 08 33 22.4–.49 20.28S–.09 178.02W–.08 534 4.0b 93 2-152
NOU II 26 08 33 21.8 20.34S 177.90W 547 4.3b **¶610385043**
NEIC II 26 08 33 21.9–.83 20.2S–.10 178.0W–.10 529–7 4.2b
IDC II 26 08 33 22.3–2.0 20.58S 178.09W 529–20 4.2,3.3b
ISC Event type se.
NOU Fiji Islands Region.
NEIC Event type se. Error ellipse: s-maj=21.6km s-min=13.5km az=124.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=26.5km s-min=16.6km az=129.0.
ISC II 26 08 34 50.7–2.1 18.8S–.70 177.6W–.40 570 3.2b 7 45-149
IDC II 26 08 34 58.7–8.6 19.11S 177.68W 672–116 3.5,2.5b **¶610385044**
ISC Event type ke.
IDC Error ellipse: s-maj=137.1km s-min=41.4km az=161.0.
ISC II 26 13 40 32.4–.40 19.39S–.07 177.56W–.07 550 4.3b 147 4-174
IDC II 26 13 40 28.4–1.6 19.30S 177.45W 501–17 4.3,3.4b **¶610385065**
NEIC II 26 13 40 29.1–1.6 19.3S–.10 177.4W–.10 505–7 4.4b,3.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC II 26 18 25 16.6–21 19.48S 179.47W 650–279 3.4,2.4b ¶610385079
IDC Error ellipse: s-maj=280.6km s-min=80.9km az=153.0.
ISC II 27 05 16 48.5–2.2 18.5S–.50 178.3W–.40 600 3.6b 9 4-148
IDC II 27 05 16 47.2–4.5 18.77S 178.08W 586–27 3.9,2.9b **¶610385095**
ISC Event type ke.
IDC Error ellipse: s-maj=124.2km s-min=23.5km az=139.0.
ISC II 27 15 54 01.6–.73 21.71S–.08 176.10W–.10 150 4.1b 34 4-68
NEIC II 27 15 54 00.3–1.8 21.8S–.20 176.1W–.20 125–15 4.3b **¶610385136**
IDC II 27 15 54 03.9–2.9 21.78S 175.86W 189–37 4.2,3.6b
NOU II 27 15 54 08.5 21.50S 176.14W 229 4.1b,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=27.4km s-min=20.6km az=208.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=37.1km s-min=30.1km az=72.0.
NOU Fiji Islands Region.
ISC II 27 22 15 28.4–1.5 17.3S–.90 179.0W–.50 600 3.8b 8 3-144
IDC II 27 22 15 28.1–2.1 17.40S 178.89W 597–19 4.0,3.1b **¶610385157**
ISC Event type ke.
IDC Error ellipse: s-maj=106.5km s-min=21.8km az=152.0.
ISC II 28 05 26 13.7–.82 18.6S–.20 178.0W–.10 650 3.7b 11 15-88
IDC II 28 05 26 16.2–8.6 18.56S 178.07W 685–114 4.2,3.1b **¶610385174**
ISC Event type ke.
IDC Error ellipse: s-maj=49.2km s-min=25.4km az=108.0.
IDC II 28 09 02 11.6–70 17.81S 176.46W 0 3.7,3.7b ¶610385188
IDC Error ellipse: s-maj=1293.0km s-min=189.0km az=80.0.
IDC II 28 10 23 55.0–7.5 18.68S 176.39W 0 3.7,3.7b ¶610385194
IDC Error ellipse: s-maj=329.0km s-min=39.8km az=142.0.
IDC II 28 12 51 17.2–13 19.87S 179.56W 0 4.2,4.2b ¶610385204
IDC Error ellipse: s-maj=245.4km s-min=46.6km az=70.0.
ISC II 28 16 06 14.8–.58 21.66S–.08 178.6W–.10 550 3.9b 64 3-144
NOU II 28 16 06 09.1 22.06S 178.46W 568 4.2 **¶610385212**
IDC II 28 16 06 12.5–1.6 21.80S 178.47W 519–16 4.0,3.0b
NEIC II 28 16 06 12.6–.84 21.7S–.10 178.5W–.20 523–10 4.2b,3.0b
ISC Event type se.
NOU South of Fiji Islands.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC II 28 20 31 11.3–51 16.65S 176.02W 0 3.8,3.8b ¶610385225
IDC Error ellipse: s-maj=964.3km s-min=181.5km az=78.0.
IDC III 01 00 25 19.5–7.9 16.67S 177.00W 0 3.8,3.8b ¶610545282
IDC Error ellipse: s-maj=368.4km s-min=33.0km az=142.0.
ISC III 01 04 43 26.1–.26 21.31S–.05 178.61W–.06 536 4.8b 593 3-172
BGR III 01 04 43 17.5 21.59S 178.43W 450 4.8b **¶615092491**
NEIC III 01 04 43 26.5–2.0 21.3S–.10 178.7W–.10 532–6 4.8b
NOU III 01 04 43 26.8 21.38S 178.42W 550 4.8b
MOS III 01 04 43 27.8–.93 21.19S 178.80W 556 4.7b
IDC III 01 04 43 27.9–.87 21.28S 178.78W 550–8 4.8,4.0b
ISC Event type ke.
BGR Event type ke.
NEIC Event type se. Error ellipse: s-maj=18.1km s-min=14.6km az=124.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Fiji Islands Region.
MOS Error ellipse: s-maj=10.5km s-min=9.7km az=159.5.
IDC Error ellipse: s-maj=11.7km s-min=8.3km az=147.0.
IDC III 01 10 14 43.0–7.5 18.72S 177.04W 0 3.4,3.4b ¶610545317
IDC Error ellipse: s-maj=324.0km s-min=119.0km az=152.0.
ISC III 01 18 13 29.7–.38 18.02S–.08 177.92W–.06 590 4.4b 348 1-175
NOU III 01 18 13 28.6 18.04S 177.77W 582 4.7b **¶610243160**
IDC III 01 18 13 29.2–1.3 18.02S 178.00W 572–14 4.7,3.8b
NEIC III 01 18 13 29.4–2.1 18.0S–.10 177.9W–.10 574–8 4.3b,3.8b
ISC Event type se.
NOU Fiji Islands Region.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 02 15 13 35.7–.76 18.5S–.10 177.78W–.10 609–9 4.1b 58 4-148
NEIC III 02 15 13 35.3–1.6 18.6S–.20 177.6W–.20 611–13 4.5b **¶610545394**
IDC III 02 15 13 36.4–1.2 18.53S 177.81W 618–15 4.0,3.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=28.9km s-min=22.0km az=79.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=21.1km s-min=11.8km az=140.0.
ISC III 03 04 04 51.6–1.3 19.8S–.30 177.7W–.20 550 4.0b 12 5-150
IDC III 03 04 04 52.5–3.6 19.78S 177.78W 555–27 4.2,3.2b **¶610545427**
ISC Event type ke.
IDC Error ellipse: s-maj=84.9km s-min=20.8km az=145.0.
ISC III 03 14 06 30.9–1.1 21.2S–.10 179.2W–.20 619 3.9b 28 4-146
IDC III 03 14 06 31.7–1.6 21.16S 179.21W 633–14 4.2,3.2b **¶610545459**
NEIC III 03 14 06 32.2–.41 21.1S–.50 179.2W–.30 634–27 4.0b,3.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 04 14 12 12.5–.83 19.8S–.20 177.8W–.10 600 3.7b 17 4-150
IDC III 04 14 12 12.2–1.5 19.85S 177.88W 593–17 4.1,3.1b **¶610545531**
ISC Event type ke.
IDC Error ellipse: s-maj=27.9km s-min=15.6km az=144.0.
ISC III 04 20 03 45.7–.37 20.37S–.05 178.42W–.04 601–4 4.8b 962 2-173
NEIC III 04 20 03 45.2–1.8 20.4S–.10 178.5W–.10 586–6 4.9b **¶611831953**
MOS III 04 20 03 45.7–.81 20.36S 178.54W 607 4.8b
NOU III 04 20 03 46.2 20.41S 178.40W 604 4.8b
IDC III 04 20 03 46.9–.83 20.36S 178.53W 608–9 5.1,4.1b
GCMT III 04 20 03 49.2–.50 20.02S–.04 178.56W–.04 617–3 5.3W,4.1b
ISC Event type se. Moment Tensor Solution. NP1:φs46.47950°,δ65.47427°,λ-118.22948°. NP2: φs278.76807°,δ36.72005°,λ-43.96827°. Principal axes: T Plg15.8590°,Azm156.8261°; N Plg25.4883°,Azm59.0426°; P Plg59.3519°,Azm275.4751°
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Fiji Islands Region.
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. Moment Tensor Solution. s63,c79;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.56±.03 $M_{\theta\theta}$0.35±.07; $M_{\phi\phi}$0.20±.06; $M_{r\theta}$-0.35±.06; $M_{\theta\phi}$0.18±.05; $M_{\phi r}$-0.76±.06; Best double couple: NP1:φs31.00000°,δ75.00000°,λ-100.00000°. NP2:φs244.00000°,δ18.00000°,λ-58.00000°. Principal axes: T 0.8940,Plg29.0000°,Azm129.0000°; N 0.1620,Plg9.0000°,Azm33.0000°; P -1.0560,Plg59.0000°,Azm287.0000° $M_0$0.97500×10^{17}
IDC III 05 07 11 06.6–7.5 18.74S 178.81W 0 3.6,3.6b ¶610545577
IDC Error ellipse: s-maj=322.5km s-min=41.7km az=144.0.
ISC III 05 13 29 28.4–2.0 18.2S–.30 177.8W–.30 350 4.0b 25 4-148
NEIC III 05 13 29 01.2–1.2 17.4S–.30 175.0W–.10 289–17 4.2b **¶611149163**
IDC III 05 13 29 34.2–4.5 17.92S 178.53W 378–25 4.5,3.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=40.9km s-min=18.8km az=190.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=106.7km s-min=31.8km az=137.0.
ISC III 05 14 20 57.7–.55 20.7S–.10 178.89W–.08 645 4.1b 57 4-150
NEIC III 05 14 20 56.5–1.4 20.7S–.20 178.9W–.10 622–11 4.2b **¶610545595**
IDC III 05 14 20 58.8–2.3 20.51S 179.08W 643–21 4.0,3.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=24.0km s-min=15.5km az=157.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=54.0km s-min=16.6km az=148.0.
ISC III 05 20 26 10.5–.42 18.77S–.08 177.87W–.07 500 4.1b 108 4-174
IDC III 05 20 26 10.8–1.2 18.84S 177.86W 502–11 4.3,3.4b **¶610246799**
NEIC III 05 20 26 11.7–2.9 19.1S–.10 178.0W–.10 490–6 4.2b,3.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 05 20 38 33.9–.52 18.0S–.10 178.33W–.09 600 4.2b 111 3-150
NEIC III 05 20 38 34.8–2.0 18.0S–.20 178.1W–.20 627–9 4.2b **¶610545608**
IDC III 05 20 38 36.1–1.2 17.86S 178.49W 613–15 4.5,3.5b
NOU III 05 20 39 00.4 18.42S 178.85E 678 4.5b,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=25.2km s-min=18.8km az=135.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=22.4km s-min=11.4km az=148.0.
NOU Fiji Islands.
IDC III 06 05 59 00.6–6.9 19.21S 176.48W 0 4.1,4.1b ¶610545624
IDC Error ellipse: s-maj=296.1km s-min=109.0km az=153.0.
ISC III 06 08 32 15.2–.26 18.14S–.05 178.21W–.05 550 4.7b 712 1-175
NEIC III 06 08 32 13.0–2.3 18.1S–.10 178.19W–.10 516–6 4.6b **¶615092507**
IDC III 06 08 32 14.3–1.1 18.08S 178.21W 536–13 4.9,4.1b
NOU III 06 08 32 15.2 18.10S 178.18W 541 4.8b,4.1b
ISC Event type se. Moment Tensor Solution. NP1:φs128.19022°,δ6.64061°,λ-163.92630°. NP2: φs22.21884°,δ88.16519°,λ-83.61681°. Principal axes: T Plg42.8220°,Azm106.0660°; N Plg6.3799°,Azm202.0136°; P Plg46.4691°,Azm298.7729°
NEIC Event type se. Error ellipse: s-maj=16.0km s-min=13.2km az=156.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=11.3km s-min=9.6km az=165.0.
NOU Fiji Islands Region.
ISC III 06 14 28 54.0–.92 18.6S–.20 178.5W–.20 600 4.0b 25 3-148
IDC III 06 14 28 54.4–7.9 18.53S 178.50W 605–31 3.9,3.0b **¶610545665**
NEIC III 06 14 28 54.5–.86 18.6S–.20 178.4W–.20 605–5 4.0b,3.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 06 16 31 00.3–.58 18.0S–.10 176.48W–.08 10 4.2b,4.0s 29 5-148
NEIC III 06 16 30 59.7–.46 17.8S–.10 176.40W–.09 10–2 4.6b,4.0s **¶610545675**

IDC III 06 16 30 59.8–1.0 17.94S 176.75W 0 5.0L,4.0s
GCMT III 06 16 31 03.7–.30 17.98S–.02 176.29W–.02 12 4.8W,4.0s
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s9,c10; s70,c94;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-0.24±.08 $M_{\theta\theta}$-1.54±.08; $M_{\phi\phi}$1.78±.06; $M_{r\theta}$0.15±.24; $M_{\theta\phi}$-0.03±.07; $M_{\phi r}$0.51±.20; Best double couple: NP1:ϕ_s45.00000°,δ86.00000°,λ15.00000°. NP2:ϕ_s314.00000°,δ75.00000°,λ175.00000°. Principal axes: T 1.9020,Plg13.0000° ,Azm270.0000°; N -0.3420,Plg75.0000°,Azm61.0000°; P -1.5590,Plg7.0000°,Azm178.0000° $M_0$1.73100×10^{16}
IDC III 06 17 19 44.4–10 19.02S 176.16W 0 3.4,3.4b ¶610545677
IDC Error ellipse: s-maj=463.4km s-min=39.5km az=143.0.
ISC III 06 17 55 08.4–.41 21.03S–.08 178.93W–.07 619 4.5b 190 4-172 ¶610247298
NEIC III 06 17 55 07.0–1.5 21.0S–.10 178.8W–.10 605–8 4.6b
NOU III 06 17 55 08.2 21.04S 178.87W 608 4.3b
IDC III 06 17 55 08.7–1.3 20.90S 179.08W 612–13 4.4,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.9km s-min=18.0km az=136.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Fiji Islands Region.
IDC Error ellipse: s-maj=18.8km s-min=11.1km az=148.0.
IDC III 07 05 14 42.2–55 16.58S 177.22W 0 3.9,3.9b ¶610545703
IDC Error ellipse: s-maj=1026.0km s-min=186.4km az=78.0.
ISC III 08 01 59 53.1–.99 19.6S–.10 177.7W–.10 450 4.2b 28 11-80 ¶610545770
IDC III 08 01 59 48.6–7.6 19.67S 177.38W 411–87 4.3,3.4b
NEIC III 08 01 59 53.8–.83 19.72S–.07 177.7W–.20 440–15 4.3b,3.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 08 05 05 08.9–1.2 18.5S–.30 177.8W–.20 557 3.6b 17 4-141 ¶610545781
IDC III 08 05 05 10.4–1.6 18.49S 177.92W 573–15 4.2,3.2b
ISC Event type ke.
IDC Error ellipse: s-maj=44.8km s-min=12.7km az=148.0.
IDC III 08 14 05 21.2–59 20.72S 176.13W 0 3.9,3.9b ¶610545812
IDC Error ellipse: s-maj=1090.0km s-min=177.7km az=84.0.
ISC III 08 14 21 01.2–.44 17.39S–.09 179.14W–.08 550 4.0b 76 3-149 ¶610545814
NEIC III 08 14 21 02.0–2.4 17.5S–.10 179.0W–.10 565–9 4.2b
IDC III 08 14 21 01.7–.80 17.41S 179.24W 556–8 4.2,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.6km s-min=15.2km az=87.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=16.8km s-min=9.8km az=143.0.
IDC III 08 16 55 26.7–3.9 17.79S 178.59W 623–22 3.9,3.0b ¶610545822
IDC Error ellipse: s-maj=121.1km s-min=62.3km az=153.0.
ISC III 08 19 11 35.5–.45 20.54S–.09 178.61W–.08 587 4.3b 117 4-150 ¶610545828
IDC III 08 19 11 37.1–1.4 20.44S 178.59W 601–15 4.3,3.3b
NEIC III 08 19 11 37.2–1.1 20.49S–.05 178.5W–.20 613–8 4.4b,3.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 08 19 28 39.9–.62 21.0S–.10 178.2W–.10 495 3.9b 34 5-149 ¶610545829
NEIC III 08 19 28 40.1–1.1 21.0S–.10 178.1W–.10 501–9 4.2b
IDC III 08 19 28 41.6–2.1 20.90S 178.30W 511–19 3.9,3.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.2km s-min=18.2km az=131.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=30.6km s-min=17.2km az=137.0.
IDC III 08 23 26 25.7–29 18.85S 176.77W 0 4.0,4.0b ¶610545838
IDC Error ellipse: s-maj=537.8km s-min=154.4km az=75.0.
IDC III 09 06 27 21.7–8.3 17.98S 178.24W 554–30 3.6,2.8b ¶610545859
IDC Error ellipse: s-maj=275.3km s-min=32.0km az=142.0.
ISC III 10 00 10 02.9–1.6 21.1S–.30 178.3W–.30 500 3.1b 8 5-147 ¶610545910
IDC III 10 00 10 06.0–9.4 20.66S 178.61W 522–60 3.5,2.6b
ISC Event type ke.
IDC Error ellipse: s-maj=209.0km s-min=28.0km az=143.0.
IDC III 10 15 18 01.3–57 20.62S 177.44W 0 3.7,3.7b ¶610545967
IDC Error ellipse: s-maj=1040.0km s-min=168.4km az=83.0.
IDC III 11 01 41 47.0–7.3 17.95S 179.11W 551–22 3.8,2.9b ¶610545992
IDC Error ellipse: s-maj=297.9km s-min=45.2km az=146.0.
ISC III 11 20 56 44.1–1.8 17.4S–.70 178.9W–.40 600 3.6b 9 3-87 ¶610546034
IDC III 11 20 56 44.1–2.1 17.39S 178.88W 602–19 4.1,3.1b
ISC Event type ke.
IDC Error ellipse: s-maj=102.4km s-min=16.7km az=154.0.
ISC III 11 21 41 21.2–.64 19.9S–.10 177.67W–.10 550 4.3b 40 5-150 ¶610546037
NEIC III 11 21 41 21.5–.85 20.1S–.20 177.59W–.06 557–12 4.3b
IDC III 11 21 41 21.9–2.5 19.72S 177.89W 541–22 4.4,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=30.0km s-min=6.8km az=172.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=72.3km s-min=14.8km az=151.0.
IDC III 12 02 49 09.2–10 20.85S 179.63W 467–61 3.8,3.0b ¶610546053
IDC Error ellipse: s-maj=231.1km s-min=31.8km az=143.0.
ISC III 12 10 09 36.8–.29 21.67S–.04 179.22W–.04 596–2 5.1b 1303 3-171 ¶610325608
BJI III 12 10 09 34.9–.00 21.38S 178.79W 593 5.0b,4.8b
MOS III 12 10 09 35.1–1.3 21.56S 179.30W 585 5.1b,4.8b
NEIC III 12 10 09 36.5–2.0 21.64S–.09 179.24W–.09 584–4 5.1b,4.8b
NOU III 12 10 09 36.4 21.63S 179.15W 592 5.0L,4.8b
BGR III 12 10 09 37.3 22.69S 179.11W 626–9 5.0L,4.8b
IDC III 12 10 09 37.1–.40 21.65S 179.32W 596–3 5.3,4.3b
GCMT III 12 10 09 40.5–.20 21.79S–.02 179.10W–.02 611–1 5.4W,4.3b
ISC Event type ke. Moment Tensor Solution. NP1:ϕ_s216.77806°,δ88.25354°,λ115.56581°. NP2: ϕ_s310.42331°,δ25.62139°,λ4.04151°. Principal axes: T Plg41.2334°,Azm150.7173° ; N Plg25.5531°,Azm35.9428°; P Plg38.0266°,Azm283.9864°
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Fiji Islands Region.
BGR Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. Moment Tensor Solution. s113,c185;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}0.87±.03 $M_{\theta\theta}$0.27±.04; $M_{\phi\phi}$-1.14±.04; $M_{r\theta}$-0.54±.04; $M_{\theta\phi}$-0.22±.04; $M_{\phi r}$-1.16±.04; Best double couple: NP1: ϕ_s203.00000°,δ71.00000°,λ102.00000°. NP2:ϕ_s349.00000°,δ22.00000°,λ58.00000°. Principal axes: T 1.5350,Plg62.0000°,Azm131.0000°; N 0.2250,Plg12.0000°,Azm19.0000° ; P -1.7600,Plg25.0000°,Azm283.0000° $M_0$1.64700×10^{17}
IDC III 12 21 17 51.4–48 18.06S 178.09W 0 3.9,3.9b ¶610546096
IDC Error ellipse: s-maj=890.4km s-min=164.5km az=79.0.
IDC III 13 08 46 13.7–6.0 19.36S 177.63W 0 3.6,3.6b ¶610546125
IDC Error ellipse: s-maj=281.9km s-min=36.6km az=146.0.
ISC III 13 13 11 58.1–.62 17.6S–.10 179.0W–.10 539 3.9b 70 3-150 ¶610546138
NEIC III 13 13 11 58.2–1.4 17.5S–.20 179.1W–.20 541–10 4.0b
IDC III 13 13 11 59.2–1.8 17.37S 179.13W 545–16 3.9,3.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=29.2km s-min=19.0km az=132.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC Error ellipse: s-maj=53.9km s-min=17.3km az=151.0.
ISC III 13 16 39 41.0–.42 17.58S–.09 178.71W–.07 550 4.3b 115 1-150 ¶610327072
IDC III 13 16 39 39.0–1.4 17.56S 178.72W 524–17 4.4,3.5b
NEIC III 13 16 39 41.5–1.9 17.6S–.10 178.8W–.10 548–8 4.4b,3.5b
NOU III 13 16 39 41.4 17.23S 178.67W 552 4.6,3.5b
ISC Event type se.
IDC Error ellipse: s-maj=24.3km s-min=10.8km az=143.0.
NEIC Event type se. Error ellipse: s-maj=19.3km s-min=14.9km az=148.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Fiji Islands Region.
IDC III 14 10 06 32.6–4.0 13.73S 173.36E 586–73 4.0,2.9b ¶610546194
IDC Error ellipse: s-maj=103.2km s-min=60.8km az=160.0.
IDC III 14 11 35 34.0–59 20.55S 177.37W 0 3.9,3.9b ¶610546198
IDC Error ellipse: s-maj=1084.0km s-min=167.7km az=83.0.
ISC III 14 15 03 39.8–.30 15.75S–.05 177.15W–.04 10 5.4s,5.1b 623 5-152 ¶610328617
IDC III 14 15 03 38.8–.51 15.56S 177.37W 0 5.1s,5.1L
BJI III 14 15 03 38.0–.00 15.70S 177.10W 10 5.5b,5.5s
MOS III 14 15 03 39.0–1.1 15.52S 177.29W 13 5.3b,5.2s
NEIC III 14 15 03 40.0–.97 15.7S–.10 177.12W–.08 10–1 5.7,5.4
NEIC III 14 15 03 40 15.47S 177.22W 26 5.7,5.4
NEIC III 14 15 03 40 15.67S 177.12W 26 5.7,5.4
GCMT III 14 15 03 45.0–.10 15.46S–.01 177.16W–.01 15–0 5.7W,5.4
BGR III 14 15 03 45.5 15.51S 175.01W 33 5.7W,5.4
ISC Event type se.
IDC Error ellipse: s-maj=17.8km s-min=12.8km az=142.0.
MOS Error ellipse: s-maj=9.6km s-min=8.2km az=161.4.
NEIC Event type se. Error ellipse: s-maj=19.2km s-min=13.2km az=166.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution.Duration: 3s1 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.13 $M_{\theta\theta}$-1.98 $M_{\phi\phi}$2.10 $M_{r\theta}$0.43 $M_{\theta\phi}$3.13 $M_{\phi r}$-0.47 NP1:ϕ_s343.79000°,δ85.51000° ,λ-171.17000°. NP2:ϕ_s253.10000°,δ81.20000°,λ-4.54000°. Principal axes: T 3.8093,Plg3.0000°,Azm118.0000°; N -0.0392,Plg80.0000°,Azm11.0000° ; P -3.7700,Plg9.0000°,Azm209.0000° $M_0$3.79000×10^{17}
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s120,c218; s159,c333;Duration: 1s6 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.07±.04 $M_{\theta\theta}$-2.14±.04; $M_{\phi\phi}$2.21±.04; $M_{r\theta}$0.13±.11; $M_{\theta\phi}$3.08±.03; $M_{\phi r}$-0.15±.11; Best double couple: NP1:ϕ_s342.00000°,δ89.00000°,λ-177.00000°. NP2:ϕ_s252.00000°,δ87.00000°,λ-1.00000°. Principal axes: T 3.8070,Plg1.0000° ,Azm117.0000°; N -0.0630,Plg87.0000°,Azm7.0000°; P -3.7450,Plg3.0000°,Azm207.0000° $M_0$3.77600×10^{17}
BGR Event type ke.
ISC III 14 16 42 10.7–.58 20.3S–.10 177.79W–.09 500 3.7b 50 5-150 ¶610546210
NEIC III 14 16 42 10.9–.98 20.3S–.20 177.7W–.10 512–10 4.0b
IDC III 14 16 42 13.9–1.7 19.80S 178.15W 527–17 4.1,3.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=24.5km s-min=17.0km az=154.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=32.5km s-min=13.8km az=151.0.
IDC III 15 02 48 49.5–10 17.94S 178.47W 515–35 3.5,2.7b ¶610546230
IDC Error ellipse: s-maj=355.5km s-min=31.6km az=141.0.
IDC III 15 15 17 26.8–8.4 18.44S 178.00W 0 3.5,3.5b ¶610546254
IDC Error ellipse: s-maj=369.7km s-min=39.6km az=143.0.
IDC III 15 23 00 59.0–6.0 18.53S 176.44W 0 3.3,3.3b ¶610546281
IDC Error ellipse: s-maj=308.6km s-min=55.3km az=147.0.
ISC III 16 12 24 23.4–1.2 20.0S–.30 178.1W–.20 569 3.9b 18 4-150 ¶610546313
IDC III 16 12 24 23.9–1.9 20.01S 178.09W 573–16 4.3,3.3b
ISC Event type ke.
IDC Error ellipse: s-maj=38.4km s-min=13.6km az=147.0.
ISC III 16 18 15 45.7–.81 17.9S–.20 178.3W–.10 600 4.1b 11 3-86 ¶610546327
IDC III 16 18 15 46.1–1.2 18.17S 178.33W 580–12 4.2,3.2b
ISC Event type ke.
IDC Error ellipse: s-maj=29.1km s-min=19.8km az=161.0.
ISC III 17 01 24 17.7–1.4 18.0S–.40 178.1W–.20 600 3.4b 11 4-148 ¶610546350
IDC III 17 01 24 18.6–2.1 17.94S 178.21W 609–20 3.9,3.0b
ISC Event type ke.
IDC Error ellipse: s-maj=58.5km s-min=18.4km az=152.0.
ISC III 17 01 51 35.2–.44 14.93S–.08 177.61W–.07 372 4.1b 73 1-148 ¶610546352
NEIC III 17 01 51 33.6–1.5 14.9S–.10 177.6W–.10 353–7 4.3b
IDC III 17 01 51 35.7–1.5 15.05S 177.67W 374–16 4.2,3.4b
NOU III 17 01 51 37.1 15.11S 177.55W 362 4.5b,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.2km s-min=13.1km az=146.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=17.8km s-min=12.0km az=126.0.
NOU Fiji Islands Region.
ISC III 17 05 39 48.5–.28 17.90S–.05 178.59W–.05 550 4.8b 661 0-175 ¶610331522
NOU III 17 05 39 48.7 17.93S 178.45W 556 4.9b
IDC III 17 05 39 49.2–.80 17.96S 178.58W 557–8 4.8,4.0b
NEIC III 17 05 39 49.1–2.3 17.9S–.10 178.6W–.10 551–7 4.7b,4.0b
ISC Event type se.
NOU Fiji Islands Region.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 17 15 44 58.9–1.7 16.8S–.70 179.2W–.40 550 3.2b 9 3-146 ¶610546394
IDC III 17 15 44 58.9–2.1 17.29S 179.02W 561–18 3.9,3.1b
ISC Event type ke.
IDC Error ellipse: s-maj=113.5km s-min=26.4km az=154.0.
IDC III 17 17 59 53.8–55 17.34S 179.52W 446–77 3.7,3.0b ¶610546400
IDC Error ellipse: s-maj=1051.0km s-min=130.8km az=79.0.
ISC III 17 23 25 58.4–.27 18.05S–.05 178.35W–.05 579 4.9b 738 3-159 ¶610344596
BGR III 17 23 24 53.8 19.55S 178.54W 33 4.9b
BJI III 17 23 25 58.4–.00 17.78S 178.27W 585 4.8b,4.6b
NOU III 17 23 25 59.5 18.02S 178.33W 593 5.2b,4.6b
NEIC III 17 23 26 00.2–1.5 18.13S–.10 178.3W–.10 595–7 4.9b,4.6b
IDC III 17 23 26 00.2–1.2 17.98S 178.48W 592–12 5.1,4.2b
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s184.62454°,δ78.50035°,λ118.91831°. NP2: ϕ_s294.46759°,δ30.93634°,λ22.81763°. Principal axes: T Plg48.3728°,Azm125.6044° ; N Plg28.2848°,Azm358.3395°; P Plg27.7454°,Azm251.8969°
BGR Event type ke.
NOU Fiji Islands Region.
NEIC Event type se. Error ellipse: s-maj=15.9km s-min=13.0km az=133.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=18.6km s-min=10.2km az=145.0.
IDC III 18 00 28 35.5–8.8 19.52S 177.47W 607–79 3.3,2.4b ¶610546421
IDC Error ellipse: s-maj=334.0km s-min=32.2km az=157.0.
ISC III 19 08 50 59.5–.56 20.59S–.10 178.47W–.10 587 4.2b 54 14-150 ¶610546500
NEIC III 19 08 50 56.9–1.0 20.5S–.10 178.3W–.20 554–6 4.3b
IDC III 19 08 50 59.3–2.0 20.72S 178.40W 593–23 4.3,3.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=24.6km s-min=16.1km az=69.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=19.6km s-min=12.0km az=148.0.
ISC III 19 16 09 11.2–1.4 18.6S–.40 176.6W–.10 400 3.9b 15 6-71 ¶610546523
NEIC III 19 16 09 10.8–2.0 18.6S–.50 176.6W–.20 385–33 4.0b
IDC III 19 16 09 29.8–3.4 19.38S 177.52W 538–49 4.1,3.1b
ISC Event type se.

NEIC Event type se. Error ellipse: s-maj=80.7km s-min=11.4km az=193.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=117.0km s-min=36.6km az=158.0.
ISC III 19 18 58 15.0–1.3 18.5S–.50 178.2W–.30 600 4.0b 11 4-148
IDC III 19 18 58 16.6–1.5 17.73S 178.62W 614–15 4.2,3.2b **¶610546533**
ISC Event type ke.
IDC Error ellipse: s-maj=81.1km s-min=15.1km az=154.0.
IDC III 19 20 16 16.7–8.9 19.84S 178.97W 647–51 3.7,2.7b
¶610546538
IDC Error ellipse: s-maj=256.5km s-min=94.8km az=146.0.
ISC III 20 03 34 45.9–.53 18.24S–.07 177.87W–.06 604–5 4.5b 495 1-175
NEIC III 20 03 34 44–1.9 18.2S–.10 177.75W–.09 585–7 4.6b **¶610346341**
BGR III 20 03 34 46.8 18.43S 177.91W 600 4.6b
NOU III 20 03 34 47.3 18.15S 177.96W 605 4.7b
IDC III 20 03 34 47.5–.74 18.22S 178.01W 607–8 4.7,3.7b
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=15.2km s-min=11.9km az=181.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BGR Event type ke.
NOU Fiji Islands Region.
IDC Error ellipse: s-maj=11.4km s-min=9.3km az=154.0.
ISC III 20 07 44 09.0–.69 20.7S–.10 177.00W–.09 350 3.5b 22 3-96
IDC III 20 07 44 01.6–2.7 20.79S 177.00W 266–28 4.2,3.5b **¶610543315**
NOU III 20 07 44 07.0 20.55S 176.71W 340 4.4b,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=18.5km s-min=11.4km az=124.0.
NOU Fiji Islands Region.
ISC III 20 21 36 25.8–.45 21.37S–.05 178.68W–.05 572–5 4.8b 719 8-172
NEIC III 20 21 36 24.7–1.9 21.4S–.10 178.7W–.10 560–6 4.9b **¶611832101**
IDC III 20 21 36 27.7–.72 21.33S 178.85W 584–8 4.9,4.0b
BGR III 20 21 36 28.9 21.55S 178.86W 600 4.9,4.0b
NOU III 20 21 36 38.1 21.33S 179.63W 659 4.8b,4.0b
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=17.2km s-min=14.4km az=130.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=12.2km s-min=8.7km az=143.0.
BGR Event type ke.
NOU Fiji Islands Region.
IDC III 20 22 22 22.2–2.8 20.02S 177.50W 0 4.2s,3.9
¶610543360
IDC Error ellipse: s-maj=280.3km s-min=33.3km az=160.0.
IDC III 21 04 03 54.3–7.4 19.74S 178.10W 0 3.4,3.4b
¶610543377
IDC Error ellipse: s-maj=327.1km s-min=115.1km az=154.0.
IDC III 21 04 23 22.1–50 16.05S 179.03W 0 4.0,4.0b
¶610543379
IDC Error ellipse: s-maj=907.3km s-min=156.6km az=76.0.
ISC III 21 16 34 49.0–.83 18.7S–.10 177.7W–.20 550 3.2b 13 20-127
IDC III 21 16 34 47.9–3.9 18.75S 177.64W 536–43 3.7,2.8b **¶610543414**
ISC Event type ke.
IDC Error ellipse: s-maj=25.6km s-min=15.5km az=109.0.
ISC III 21 22 13 38.8–1.7 17.8S–.50 178.5W–.20 35 4.0b,3.9s 17 8-150
IDC III 21 22 13 33.6–1.7 17.59S 178.53W 0 4.1,4.1b **¶610770723**
GCMT III 21 22 13 43.0–.40 15.46S–.02 179.31W–.02 23–2 4.9W,4.1b
ISC Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.
Surface-wave location. Triangular moment-rate function. Moment Tensor Solution. s18,c21;
s79,c95;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.45±.18 $M_{\theta\theta}$-1.74±.16; $M_{\phi\phi}$1.29±.13;
$M_{r\theta}$0.03±.21; $M_{\theta\phi}$2.22±.11; $M_{\phi r}$0.05±.19; Best double couple: NP1:ϕ_s73.00000°,δ89.00000°
,λ1.00000°. NP2:ϕ_s343.00000°,δ89.00000°,λ179.00000°. Principal axes:
T 2.4650,Plg2.0000°,Azm298.0000°; N 0.4460,Plg88.0000°,Azm115.0000°
; P -2.9130,Plg0.0000°,Azm208.0000° $M_0$2.68900×10^{16}
ISC III 22 02 54 17.6–.45 19.67S–.07 177.76W–.08 550 4.5b 95 7-152
IDC III 22 02 54 18.3–2.1 19.58S 177.82W 548–24 4.4,3.5b **¶610543440**
NEIC III 22 02 54 20.0–1.3 19.9S–.10 177.8W–.10 567–10 4.5b,3.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 22 11 38 22.5–.54 15.2S–.10 178.31W–.10 400 3.9b 33 4-148
IDC III 22 11 38 22.6–1.6 15.44S 178.25W 408–18 4.1,3.3b **¶610543467**
NEIC III 22 11 38 24.0–1.7 15.0S–.10 178.49W–.09 408–9 4.1b,3.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 22 12 28 54.0–1.3 17.8S–.40 178.5W–.20 600 3.9b 11 3-87
IDC III 22 12 28 55.8–1.9 17.69S 178.59W 624–21 4.1,3.1b **¶610543469**
ISC Event type ke.
IDC Error ellipse: s-maj=60.7km s-min=16.4km az=153.0.
ISC III 22 12 31 50.9–1.2 20.5S–.30 178.9W–.20 600 3.4b 13 4-143
IDC III 22 12 31 51.6–2.2 20.38S 178.90W 603–19 3.9,2.8b **¶610543470**
ISC Event type ke.
IDC Error ellipse: s-maj=56.0km s-min=15.3km az=154.0.
ISC III 22 18 38 17.0–1.1 17.4S–.30 178.9W–.20 600 3.9b 27 3-147
IDC III 22 18 38 17.2–2.1 17.60S 178.76W 607–20 4.0,3.1b **¶610543482**
NEIC III 22 18 38 18.7–1.1 17.31S–.10 178.9W–.20 619–14 4.1b,3.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC III 22 21 39 28.5–53 17.44S 176.66W 0 4.2,4.2b
¶610543494
IDC Error ellipse: s-maj=994.2km s-min=160.3km az=79.0.
IDC III 23 06 24 44.2–7.0 17.46S 177.24W 0 4.0,4.0b
¶610543513
IDC Error ellipse: s-maj=304.0km s-min=36.1km az=142.0.
IDC III 23 11 13 37.3–8.4 19.83S 179.71W 620–34 3.6,2.8b
¶610543532
IDC Error ellipse: s-maj=254.3km s-min=32.2km az=143.0.
ISC III 23 11 37 12.9–.93 19.0S–.20 177.5W–.10 550 3.6b 23 4-149
IDC III 23 11 37 15.5–1.6 18.96S 177.79W 565–12 4.0,3.1b **¶610543534**
ISC Event type ke.
IDC Error ellipse: s-maj=37.7km s-min=11.5km az=151.0.
ISC III 24 10 50 36.1–.56 21.78S–.10 178.66W–.08 550 4.1b 46 5-149
NEIC III 24 10 50 36.6–1.3 21.7S–.10 178.6W–.10 558–10 4.4b **¶610543590**
IDC III 24 10 50 37.3–2.8 21.76S 178.76W 554–23 4.2,3.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.7km s-min=15.7km az=164.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=47.7km s-min=15.5km az=145.0.
ISC III 24 13 39 13.0–.44 18.04S–.09 178.19W–.07 590 4.3b 108 4-152
NEIC III 24 13 39 12.1–1.7 18.0S–.10 178.2W–.10 570–9 4.4b **¶610434902**
IDC III 24 13 39 13.1–.87 18.02S 178.24W 585–9 4.5,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.3km s-min=16.4km az=138.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=16.8km s-min=11.4km az=147.0.
ISC III 25 03 29 29.1–.90 21.4S–.10 178.8W–.20 600 3.9b 18 3-151
NOU III 25 03 29 22.5 21.92S 178.59W 635 4.1 **¶610543624**
IDC III 25 03 29 28.0–2.1 21.46S 178.73W 582–21 4.2,3.2b
ISC Event type ke.
NOU Fiji Islands Region.
IDC Error ellipse: s-maj=24.2km s-min=19.5km az=98.0.
ISC III 25 16 08 36.9–.47 17.89S–.10 178.58W–.08 580 4.2b 131 0-151
BGR III 25 16 07 41.6 16.96S 179.86E 33 4.2b **¶610543652**
NEIC III 25 16 08 35.2–2.4 17.8S–.10 178.5W–.10 558–8 4.4b
NOU III 25 16 08 36.1 17.63S 178.55W 578 4.4b
IDC III 25 16 08 38.5–1.2 17.69S 178.79W 580–9 4.3,3.4b
ISC Event type ke.
BGR Event type ke.
NEIC Event type se. Error ellipse: s-maj=22.0km s-min=16.1km az=135.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Fiji Islands Region.
IDC Error ellipse: s-maj=29.7km s-min=13.7km az=144.0.
ISC III 25 16 22 58.0–.90 19.6S–.20 177.3W–.10 550 3.8b 19 5-149
IDC III 25 16 22 59.2–1.5 19.51S 177.41W 561–15 4.2,3.3b **¶610543653**
ISC Event type ke.
IDC Error ellipse: s-maj=28.1km s-min=16.1km az=140.0.
ISC III 25 19 05 00.9–4.1 17.3S–.90 179.0W–.80 600 3.3b 6 3-85
IDC III 25 19 05 00.9–3.7 17.35S 178.97W 600–19 3.7,2.7b **¶610543662**
ISC Event type ke.
IDC Error ellipse: s-maj=143.1km s-min=29.7km az=140.0.
ISC III 26 12 04 00.3–.74 20.4S–.10 177.54W–.09 500 4.0b 35 5-90
IDC III 26 12 03 59.8–1.4 20.88S 177.61W 494–14 4.3,3.4b **¶610543720**
NEIC III 26 12 04 00.5–.83 20.4S–.30 177.4W–.20 516–12 4.2b,3.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC III 26 12 25 04.5–9.7 19.58S 178.86W 471–50 3.5,2.6b
¶610543723
IDC Error ellipse: s-maj=235.4km s-min=30.2km az=141.0.
ISC III 26 13 45 09.9–.54 19.68S–.08 177.60W–.08 400 4.1b 49 5-150
NEIC III 26 13 45 08.8–1.8 19.71S–.09 177.5W–.10 389–8 4.3b **¶610543728**
IDC III 26 13 45 10.2–2.0 19.79S 177.71W 399–17 3.9,3.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.7km s-min=11.9km az=67.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=23.8km s-min=13.2km az=115.0.
ISC III 27 04 18 56.2–.52 21.2S–.10 176.19W–.09 196 4.4b 65 6-172
NEIC III 27 04 18 52.1–2.0 21.1S–.10 175.9W–.10 155–7 4.6b **¶610543774**
IDC III 27 04 18 57.4–3.0 21.09S 176.39W 197–26 4.3,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.7km s-min=13.8km az=178.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=21.8km s-min=15.5km az=121.0.
ISC III 27 04 51 00.4–2.4 20.1S–.80 178.5W–.40 602 3.6b 9 14-146
IDC III 27 04 51 00.8–7.7 20.00S 178.68W 599–70 4.0,3.1b **¶610543775**
ISC Event type ke.
IDC Error ellipse: s-maj=146.6km s-min=34.1km az=146.0.
ISC III 27 14 42 05.7–1.3 18.8S–.10 177.6W–.20 600 4.3b 30 4-86
NEIC III 27 14 42 07.2–1.2 18.8S–.10 177.5W–.20 620–13 4.4b **¶610543800**
IDC III 27 14 42 08.1–3.6 18.74S 177.65W 625–28 4.3,3.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=24.3km s-min=20.5km az=115.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=82.4km s-min=24.5km az=40.0.
ISC III 27 16 14 20.6–.77 17.6S–.20 178.3W–.10 600 4.3b 35 4-147
NEIC III 27 16 14 19.7–.99 17.8S–.20 178.3W–.20 566–15 4.4b **¶610543806**
IDC III 27 16 14 20.1–1.1 17.92S 178.24W 582–9 4.3,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=27.1km s-min=22.8km az=211.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=31.4km s-min=16.8km az=162.0.
IDC III 29 17 30 18.6–6.5 20.20S 178.02W 532–43 3.9,2.9b
¶610543946
IDC Error ellipse: s-maj=142.8km s-min=47.2km az=141.0.
ISC III 30 06 39 23.4–.70 17.4S–.10 178.8W–.10 550 4.1b 31 3-94
NEIC III 30 06 39 22.3–.55 17.13S–.10 178.3W–.20 583–10 4.3b **¶610543976**
IDC III 30 06 39 26.3–1.9 17.38S 179.00W 576–18 3.8,2.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=28.2km s-min=14.1km az=95.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=80.1km s-min=16.2km az=148.0.
IDC III 30 23 34 10.6–6.1 19.46S 176.38W 0 4.0,4.0b
¶610544016
IDC Error ellipse: s-maj=188.2km s-min=99.3km az=143.0.
IDC III 31 02 31 27.1–3.3 18.36S 178.49W 467–29 3.9,3.2b
¶610544019
IDC Error ellipse: s-maj=121.3km s-min=25.5km az=155.0.
ISC III 31 02 42 33.1–1.5 17.7S–.60 178.9W–.30 550 3.5b 8 3-147
IDC III 31 02 42 34.3–2.0 17.53S 179.08W 564–18 4.0,3.1b **¶610544020**
ISC Event type ke.
IDC Error ellipse: s-maj=80.6km s-min=18.1km az=149.0.
ISC III 31 03 02 03.6–.74 17.6S–.20 178.6W–.10 547 3.5b 16 3-176
IDC III 31 03 02 05.7–1.1 17.55S 178.84W 569–10 4.0,3.1b **¶610544022**
ISC Event type ke.
IDC Error ellipse: s-maj=26.4km s-min=15.4km az=138.0.
ISC III 31 06 49 15.2–1.4 15.5S–.50 175.8E–.40 35 4.0b,3.9s 8 11-144
IDC III 31 06 49 09.8–1.6 15.53S 175.87E 0 4.0,4.0b **¶610518419**
GCMT III 31 06 49 15.0–.40 16.42S–.02 176.70E–.02 22–2 4.9W,4.0b
ISC Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.
Surface-wave location. Triangular moment-rate function. Moment Tensor Solution. s15,c15;
s70,c92;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.22±.18 $M_{\theta\theta}$-0.20±.15; $M_{\phi\phi}$0.42±.12;
$M_{r\theta}$0.86±.25; $M_{\theta\phi}$2.24±.10; $M_{\phi r}$0.33±.20; Best double couple: NP1:ϕ_s86.00000°,δ88.00000°
,λ21.00000°. NP2:ϕ_s355.00000°,δ69.00000°,λ178.00000°. Principal axes:
T 2.6110,Plg16.0000°,Azm313.0000°; N -0.3590,Plg69.0000°,Azm92.0000°
; P -2.2520,Plg13.0000°,Azm219.0000° $M_0$2.43100×10^{16}
ISC III 31 15 14 41.1–.45 18.01S–.09 178.02W–.07 500 4.0b 82 4-150
NEIC III 31 15 14 40.5–2.0 18.1S–.10 178.2W–.10 482–8 4.2b **¶610544057**
IDC III 31 15 14 42.5–1.4 18.20S 178.09W 512–12 4.2,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.0km s-min=15.7km az=188.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=21.4km s-min=14.0km az=121.0.
ISC III 31 17 41 11.0–.94 17.9S–.10 178.4W–.10 633–8 4.2b 63 1-148
IDC III 31 17 41 10.8–1.4 17.98S 178.27W 631–12 4.1,3.2b **¶610544065**
NOU III 31 17 41 14.3 18.50S 178.67W 582 4.1b,3.2b
NEIC III 31 17 41 19.9–1.5 18.7S–.10 179.1W–.10 664–13 4.3b,3.2b
ISC Event type se.
NOU Fiji Islands Region.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 01 13 15 11.0–.35 15.03S–.07 177.74W–.06 372 4.5b 167 5-178
IDC IV 01 13 15 10.5–1.5 15.05S 177.80W 361–15 4.5,3.8b **¶610469411**
NEIC IV 01 13 15 11.2–2.2 14.99S–.10 177.6W–.10 377–4 4.6b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IV 01 22 11 26.7–6.7 19.56S 176.04W 0 3.7,3.7b
¶610651726
IDC Error ellipse: s-maj=319.7km s-min=101.9km az=154.0.
ISC IV 01 22 38 40.3–3.5 17.1S–.70 178.5W–.60 600 4.0b 7 3-147
IDC IV 01 22 38 43.1–3.0 17.36S 178.83W 588–21 4.3,3.4b **¶610651729**
ISC Event type ke.
IDC Error ellipse: s-maj=95.7km s-min=32.1km az=143.0.
ISC IV 02 10 21 31.4–1.3 20.2S–.10 178.1W–.20 600 4.0b 44 4-143
IDC IV 02 10 21 28.9–2.6 20.40S 177.84W 582–21 4.1,3.1b **¶610651753**
NEIC IV 02 10 21 31.1–1.8 20.3S–.30 178.1W–.20 590–22 4.2b,3.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC IV 02 12 11 49.4–63 16.71S 179.86W 0 3.6,3.6b ¶610651758
IDC Error ellipse: s-maj=1139.0km s-min=168.1km az=77.0.
ISC IV 02 21 56 26.1–.65 18.3S–.20 177.7W–.10 550 3.7b 46 4-175
IDC IV 02 21 56 27.1–1.1 18.27S 177.75W 557–11 4.2,3.3b ¶610651777
ISC Event type ke.
IDC Error ellipse: s-maj=21.1km s-min=12.2km az=139.0.
IDC IV 03 03 00 28.3–49 16.38S 177.58W 0 4.1,4.1b ¶610651789
IDC Error ellipse: s-maj=912.3km s-min=169.2km az=77.0.
IDC IV 03 03 13 16.6–54 16.81S 177.23W 568–30 4.1,3.1b ¶610651791
IDC Error ellipse: s-maj=935.6km s-min=134.5km az=78.0.
IDC IV 03 11 31 41.4–65 19.02S 176.93W 0 3.6,3.6b ¶610651835
IDC Error ellipse: s-maj=1211.0km s-min=171.9km az=81.0.
ISC IV 03 12 03 26.2–.64 17.7S–.10 178.5W–.10 600 4.3b 57 2-94
NEIC IV 03 12 03 25.7–1.6 18.0S–.20 178.45W–.10 580–9 4.4b ¶610651839
NOU IV 03 12 03 25.4 17.74S 178.38W 586 4.2b
IDC IV 03 12 03 26.9–1.6 17.46S 178.77W 589–19 4.0,3.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=24.7km s-min=10.3km az=156.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Fiji Islands Region.
IDC Error ellipse: s-maj=34.5km s-min=15.6km az=146.0.
IDC IV 03 18 53 14.1–51 16.97S 178.61W 0 4.0,4.0b ¶610651866
IDC Error ellipse: s-maj=939.4km s-min=154.8km az=78.0.
IDC IV 04 05 25 24.9–7.9 19.14S 177.78W 586–43 3.8,2.8b ¶610651892
IDC Error ellipse: s-maj=213.0km s-min=34.2km az=142.0.
ISC IV 04 09 21 43.2–1.4 17.3S–.60 179.0W–.40 600 3.6b 9 3-87
IDC IV 04 09 21 42.6–1.9 17.35S 178.97W 592–18 4.1,3.2b ¶610651898
ISC Event type ke.
IDC Error ellipse: s-maj=78.3km s-min=17.7km az=149.0.
ISC IV 04 09 49 27.2–1.5 17.5S–.80 178.8W–.40 600 3.9b 8 3-87
IDC IV 04 09 49 27.3–2.1 17.61S 178.80W 602–20 4.2,3.3b ¶610651900
ISC Event type ke.
IDC Error ellipse: s-maj=100.4km s-min=19.6km az=153.0.
ISC IV 04 13 47 11.2–.41 19.14S–.08 177.47W–.07 570 4.4b 145 4-128
IDC IV 04 13 47 11.6–1.2 19.19S 177.45W 572–15 4.6,3.6b ¶610482616
NEIC IV 04 13 47 11.5–1.8 19.2S–.10 177.5W–.10 568–8 4.4b,3.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 04 14 58 25.3–.93 17.0S–.20 178.8W–.20 533 4.2b 89 3-94
IDC IV 04 14 58 26.4–1.2 17.01S 178.92W 548–9 4.2,3.4b ¶610651927
NEIC IV 04 14 58 26.4–1.4 17.0S–.20 178.8W–.20 547–13 4.2b,3.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 05 00 43 35.1–.52 21.30S–.10 178.6W–.10 550 4.2b 114 5-172
IDC IV 05 00 43 36.1–1.9 21.40S 178.65W 566–19 4.4,3.5b ¶610651952
NEIC IV 05 00 43 36.1–2.1 21.3S–.10 178.6W–.20 565–9 4.3b,3.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 05 09 41 39.5–.61 21.5S–.10 178.97W–.09 550 4.2b 56 5-90
IDC IV 05 09 41 40.1–1.6 21.62S 178.96W 568–18 4.3,3.3b ¶610651990
NEIC IV 05 09 41 40.2–1.4 21.6S–.10 179.0W–.10 549–11 4.3b,3.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 05 14 49 03.4–.31 21.82S–.04 179.35W–.05 589–3 4.8b 416 4-171
NOU IV 05 14 49 03.6 21.77S 179.30W 595 4.9b ¶610598306
NEIC IV 05 14 49 03.6–1.5 21.74S–.10 179.38W–.10 584–5 4.9b
IDC IV 05 14 49 04.3–.41 21.75S 179.39W 593–4 5.0,4.1b
GCMT IV 05 14 49 11.6–.70 21.60S–.06 179.39W–.07 625–5 5.2W,4.1b
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s72.61852°,δ56.35877°,λ131.10114°. NP2: ϕ_s195.03513°,δ51.14528°,λ45.34850°. Principal axes: T Plg56.6505°,Azm40.3510° ; N Plg33.1815°,Azm226.8242°; P Plg2.9733°,Azm134.8778°
NOU Fiji Islands Region.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. Moment Tensor Solution. s44,c54;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.43±.04 $M_{\theta\theta}$-0.45±.07; $M_{\phi\phi}$0.01±.07; $M_{r\theta}$-0.41±.08; $M_{\theta\phi}$-0.35±.07; $M_{\phi r}$-0.66±.07; Best double couple: NP1: ϕ_s216.00000°,δ75.00000°,λ69.00000°. NP2:ϕ_s91.00000°,δ25.00000°,λ142.00000°. Principal axes: T 0.9280,Plg56.0000°,Azm100.0000°; N 0.0570,Plg20.0000°,Azm222.0000° ; P -0.9850,Plg27.0000°,Azm322.0000° $M_0$0.95700×10^{17}
ISC IV 06 09 04 02.0–1.4 17.5S–.50 178.5W–.30 600 3.3b 10 3-94
IDC IV 06 09 04 01.9–2.2 17.57S 178.46W 599–20 3.9,3.0b ¶610652063
ISC Event type ke.
IDC Error ellipse: s-maj=81.6km s-min=17.6km az=148.0.
ISC IV 06 15 06 11.5–.50 18.10S–.06 177.85W–.05 556–5 4.5b 356 1-175
NEIC IV 06 15 06 10.9–2.0 18.1S–.10 177.9W–.10 542–6 4.6b ¶610518255
NOU IV 06 15 06 11.3 18.21S 177.61W 560 4.7b
IDC IV 06 15 06 13.6–.89 18.15S 177.98W 571–9 4.5,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.8km s-min=13.4km az=147.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Fiji Islands Region.
IDC Error ellipse: s-maj=13.2km s-min=9.6km az=149.0.
ISC IV 06 19 24 08.7–.49 19.24S–.08 177.44W–.07 400 4.1b 47 5-146
IDC IV 06 19 24 06.0–2.4 19.42S 177.68W 350–27 4.1,3.4b ¶610652099
NEIC IV 06 19 24 09.4–1.1 19.2S–.10 177.45W–.07 406–12 4.3b,3.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 06 23 05 43.9–.68 17.9S–.10 178.26W–.09 550 4.1b 36 4-148
IDC IV 06 23 05 44.6–2.8 18.00S 178.03W 577–21 4.1,3.1b ¶610652110
NEIC IV 06 23 05 44.4–1.9 18.0S–.10 178.4W–.10 534–14 4.2b,3.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IV 07 02 38 02.6–47 17.08S 177.30W 597–26 4.3,3.3b ¶610652120
IDC Error ellipse: s-maj=834.9km s-min=116.1km az=79.0.
IDC IV 07 05 08 24.6–55 19.70S 178.67W 0 3.9,3.9b ¶610652125
IDC Error ellipse: s-maj=1005.0km s-min=162.7km az=81.0.
ISC IV 07 11 13 49.9–2.2 18.6S–.50 177.4W–.40 600 3.9b 8 4-146
IDC IV 07 11 13 55.5–3.5 17.72S 178.32W 629–23 4.0,3.1b ¶610652149
ISC Event type ke.
IDC Error ellipse: s-maj=109.0km s-min=29.1km az=141.0.
ISC IV 07 18 36 37.7–.95 15.0S–.20 177.7W–.20 350 3.4b 9 5-145
IDC IV 07 18 36 40.9–2.6 14.81S 178.04W 379–25 3.9,3.1b ¶610652173
ISC Event type ke.
IDC Error ellipse: s-maj=40.3km s-min=23.0km az=146.0.
ISC IV 08 01 13 14.2–.30 21.41S–.05 178.88W–.07 600 4.6b 658 3-172
NEIC IV 08 01 13 08.0–1.6 21.3S–.10 178.8W–.20 522–7 4.6b ¶615092569
BGR IV 08 01 13 10.5 21.61S 178.44W 600 4.6b
BJI IV 08 01 13 10.6–.00 20.90S 178.63W 553 5.0b,4.6b
NOU IV 08 01 13 12.7 21.42S 178.75W 583 4.5b,4.6b
IDC IV 08 01 13 13.6–1.0 21.31S 179.00W 582–11 4.8,3.9b
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=21.6km s-min=17.9km az=104.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BGR Event type ke.
NOU Fiji Islands Region.
IDC Error ellipse: s-maj=11.2km s-min=8.8km az=124.0.
ISC IV 08 07 58 27.2–.40 19.82S–.04 177.43W–.05 399–4 4.9b 404 2-173
BJI IV 08 07 58 26.0–.00 19.80S 177.40W 390 5.4b,4.9b ¶610521486
IDC IV 08 07 58 27.0–.76 19.76S 177.49W 389–7 4.7,3.9b
NOU IV 08 07 58 27.6 19.74S 177.37W 406 5.0b,3.9b
NEIC IV 08 07 58 28.4–2.2 19.74S–.07 177.41W–.07 407–7 4.9b,3.9b
ISC Event type se.
NOU Fiji Islands Region.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 08 23 26 12.2–.75 19.9S–.20 177.40W–.10 350 4.1b 23 5-86
NEIC IV 08 23 26 12.9–1.4 19.8S–.20 177.3W–.10 364–11 4.3b ¶610652265
IDC IV 08 23 26 22.0–9.0 19.59S 177.89W 440–94 4.1,3.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=27.5km s-min=15.3km az=182.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=249.6km s-min=39.4km az=160.0.
ISC IV 09 02 42 57.0–.92 21.5S–.20 179.4W–.20 604 3.8b 16 4-151
IDC IV 09 02 42 57.9–2.0 21.52S 179.46W 613–20 4.2,3.2b ¶610652271
ISC Event type ke.
IDC Error ellipse: s-maj=28.5km s-min=17.4km az=132.0.
IDC IV 09 14 56 57.9–2.3 17.46S 179.57W 597–18 3.7,2.7b ¶610652305
IDC Error ellipse: s-maj=210.4km s-min=25.8km az=160.0.
ISC IV 09 17 14 34.2–.44 20.98S–.07 178.48W–.08 550 4.2b 134 5-172
NEIC IV 09 17 14 33.5–1.6 21.0S–.10 178.4W–.10 545–11 4.3b ¶610652316
IDC IV 09 17 14 33.4–1.5 21.15S 178.52W 526–12 4.2,3.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.7km s-min=19.4km az=48.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=22.8km s-min=14.4km az=139.0.
ISC IV 09 19 49 12.8–.48 20.60S–.09 177.76W–.09 400 4.0b 89 5-173
NEIC IV 09 19 49 12.2–2.0 20.4S–.20 177.7W–.10 391–10 4.2b ¶610652323
IDC IV 09 19 49 12.2–1.9 20.55S 177.93W 377–17 4.2,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=23.8km s-min=15.5km az=199.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=20.0km s-min=15.0km az=125.0.
IDC IV 10 06 09 30.6–7.6 20.81S 176.86W 166–49 3.7,3.1b ¶610652342
IDC Error ellipse: s-maj=165.1km s-min=24.4km az=144.0.
IDC IV 10 08 06 07.1–65 19.60S 179.38W 0 3.9s,3.8 ¶610652357
IDC Error ellipse: s-maj=1176.0km s-min=169.2km az=81.0.
ISC IV 10 17 56 26.2–.92 18.0S–.20 177.7W–.10 550 4.3b 24 4-148
NEIC IV 10 17 56 26.4–1.3 18.1S–.30 177.7W–.20 544–17 4.2b ¶610652403
IDC IV 10 17 56 30.3–4.2 18.09S 178.31W 544–25 4.2,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=45.7km s-min=25.6km az=181.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=119.1km s-min=36.6km az=142.0.
ISC IV 10 23 10 41.7–.41 18.05S–.05 178.36W–.05 586–4 4.8b 756 0-175
NEIC IV 10 23 10 40.8–1.6 18.0S–.10 178.4W–.10 562–6 4.7b ¶610526197
NOU IV 10 23 10 41.8 17.93S 178.40W 586 5.2b
IDC IV 10 23 10 43.2–.60 17.98S 178.53W 597–6 5.1,4.1b
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s69.15513°,δ37.70592°,λ156.56558°. NP2: ϕ_s178.08351°,δ75.92237°,λ54.65237°. Principal axes: T Plg47.0063°,Azm51.2203° ; N Plg34.1361°,Azm187.8721°; P Plg22.7954°,Azm294.4266°
NEIC Event type se. Error ellipse: s-maj=15.8km s-min=12.6km az=137.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Fiji Islands Region.
IDC Error ellipse: s-maj=11.9km s-min=8.3km az=146.0.
ISC IV 11 04 13 55.1–.77 18.09S–.09 178.74W–.09 559–9 4.1b 61 0-152
IDC IV 11 04 13 55.7–1.6 18.01S 178.82W 562–17 4.1,3.2b ¶610652425
NEIC IV 11 04 13 55.8–1.1 18.2S–.10 178.7W–.10 561–8 4.3b,3.2b
NOU IV 11 04 13 56.2 18.08S 178.67W 544 3.2,3.2b
ISC Event type se.
IDC Error ellipse: s-maj=25.9km s-min=14.6km az=143.0.
NEIC Event type se. Error ellipse: s-maj=24.6km s-min=16.7km az=138.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Fiji Islands Region.
IDC IV 11 04 26 27.8–49 17.36S 178.53W 556–60 4.0,3.1b ¶610652426
IDC Error ellipse: s-maj=918.0km s-min=131.5km az=79.0.
ISC IV 11 07 54 15.7–2.0 19.7S–.40 178.7W–.30 500 3.5b 7 4-89
IDC IV 11 07 54 14.4–5.6 19.89S 178.59W 488–39 3.9,3.1b ¶610652440
ISC Event type ke.
IDC Error ellipse: s-maj=133.3km s-min=22.0km az=147.0.
ISC IV 12 06 49 42.5–2.4 19.1S–.30 177.0W–.30 600 4.2b 7 5-142
IDC IV 12 06 49 42.5–3.0 19.14S 177.01W 588–23 4.4,3.5b ¶610652524
ISC Event type ke.
IDC Error ellipse: s-maj=46.6km s-min=30.9km az=63.0.
IDC IV 12 14 49 00.8–4.1 17.68S 178.87W 568–20 3.8,2.9b ¶610652563
IDC Error ellipse: s-maj=130.0km s-min=69.4km az=154.0.
ISC IV 12 17 01 32.3–7.2 17.5S–.40 178W–1.0 600 4.2b 18 4-59
NEIC IV 12 17 01 32.9–.80 17.5S–.30 178.0W–.30 603–26 4.2b ¶611149505
IDC IV 12 17 01 47.8–11 17.66S 179.64E 565–54 4.1,3.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=45.5km s-min=36.3km az=127.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=238.4km s-min=110.8km az=73.0.
ISC IV 12 22 52 02.8–.62 19.9S–.10 178.0W–.10 600 4.2b 60 4-152
NEIC IV 12 22 52 01.2–1.1 19.9S–.10 177.8W–.20 580–9 4.3b ¶610652588
IDC IV 12 22 52 02.7–1.5 19.85S 177.98W 594–17 4.3,3.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.6km s-min=19.0km az=110.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=19.3km s-min=15.2km az=132.0.
ISC IV 13 01 23 09.1–1.6 17.3S–.50 178.7W–.30 547 3.4b 29 3-149
IDC IV 13 01 23 10.0–2.4 17.53S 178.72W 561–19 3.9,3.1b ¶610652599
ISC Event type ke.
IDC Error ellipse: s-maj=96.0km s-min=19.9km az=152.0.
IDC IV 13 13 07 12.8–8.7 20.34S 179.32W 488–31 4.1,3.3b ¶610652637
IDC Error ellipse: s-maj=177.1km s-min=52.0km az=121.0.
IDC IV 13 13 10 16.5–4.5 16.64S 178.29W 446–23 3.5,2.7b ¶610652639
IDC Error ellipse: s-maj=169.7km s-min=36.7km az=143.0.
ISC IV 13 17 05 54.7–.22 18.28S–.03 178.13W–.03 496–2 5.2b 2379 1-175
BGR IV 13 17 05 52.9 19.21S 176.95W 495–4 5.2b ¶610598356
BJI IV 13 17 05 53.7–.00 18.13S 177.85W 497 5.1b,4.8b
NEIC IV 13 17 05 54.3 18.31S 178.19W 510 5.1b,4.8b
IDC IV 13 17 05 54.9–.51 18.27S 178.28W 488–5 5.6,4.8b
NEIC IV 13 17 05 54.3 18.41S 178.19W 510 5.6,4.8b
NEIC IV 13 17 05 54.5 18.25S 178.15W 499 5.6,4.8b
NEIC IV 13 17 05 55.9–2.3 18.23S–.09 178.17W–.09 502–3 5.8,5.8
NOU IV 13 17 05 55.5 18.27S 178.16W 489 5.2L,5.8
MOS IV 13 17 05 55.0–.99 18.23S 178.28W 501 5.3b,5.8
GCMT IV 13 17 05 57.9–.10 18.30S–.01 178.05W–.01 504–0 5.8W,5.8
ISC Event type ke.

BGR Event type ke.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 3^{s}9 Moment tensor: Scale 10^{17}Nm;
M_{rr}4.39 $M_{\theta\theta}$0.78 $M_{\phi\phi}$-5.17 $M_{r\theta}$-3.71 $M_{\theta\phi}$0.19 $M_{\phi r}$-0.21 NP1:ϕ_s206.28000°,δ53.79000°
,λ131.12000°. NP2:ϕ_s330.37000°,δ52.57000°,λ48.07000°. Principal axes:
T 6.7234,Plg58.0000°,Azm177.0000°; N -1.5421,Plg32.0000°,Azm359.0000°
; P -5.1813,Plg1.0000°,Azm269.0000° $M_0$5.95000×10^{17}
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}4.18 $M_{\theta\theta}$0.54 $M_{\phi\phi}$-4.72 $M_{r\theta}$-3.66
$M_{\theta\phi}$-0.63 $M_{\phi r}$-1.33 NP1:ϕ_s217.09000°,δ63.88000°,λ121.37000°. NP2:ϕ_s342.93000°
,δ39.95000°,λ43.29000°. Principal axes: T 6.5050,Plg59.0000°,Azm172.0000°
; N -1.2944,Plg28.0000°,Azm22.0000°; P -5.2107,Plg13.0000°,Azm285.0000°
$M_0$5.96000×10^{17}
NOU Fiji Islands Region.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to mantle waves, cutoff=125s.
Triangular moment-rate function. Moment Tensor Solution. s150,c296; s95,c99;Duration: 1^{s}9
Moment tensor: Scale 10^{17}Nm; M_{rr}4.68±.05 $M_{\theta\theta}$0.31±.08; $M_{\phi\phi}$-4.99±.08; $M_{r\theta}$-3.13±.08;
$M_{\theta\phi}$-0.29±.07; $M_{\phi r}$-0.71±.07; Best double couple: NP1:ϕ_s209.00000°,δ57.00000°,λ122.00000°.
NP2:ϕ_s340.00000°,δ45.00000°,λ51.00000°. Principal axes: T 6.3350,Plg63.0000°
,Azm175.0000°; N -1.2290,Plg27.0000°,Azm10.0000°; P -5.1040,Plg6.0000°,Azm277.0000°
$M_0$5.71900×10^{17}
IDC IV 14 06 18 00.4–49 16.44S 177.90W 0 3.7,3.7b
¶610652689
IDC Error ellipse: s-maj=897.5km s-min=168.7km az=77.0.
ISC IV 14 19 01 30.0–1.8 17.3S–.60 176.9W–.20 10 3.9s,3.6b 10 5-150
IDC IV 14 19 01 28.7–2.4 17.26S 176.93W 0 4.5L,3.8s **¶610554470**
ISC Event type ke.
IDC Error ellipse: s-maj=120.4km s-min=22.5km az=154.0.
ISC IV 14 21 26 11.8–.65 19.98S–.10 178.20W–.09 400 4.6b 117 4-173
NOU IV 14 21 25 22.2 17.92S 176.26W 62 4.9b **¶610528186**
IDC IV 14 21 26 09.2–1.6 19.67S 177.71W 416–14 4.5,3.7b
NEIC IV 14 21 26 14.2–2.8 20.3S–.10 178.4W–.10 390–9 4.6b,3.7b
ISC Event type se.
NOU Fiji Islands Region.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 15 03 10 04.6–1.1 19.5S–.20 178.2W–.20 550 3.3b 6 4-87
IDC IV 15 03 10 05.5–2.1 19.49S 178.35W 560–23 3.7,2.8b **¶610652771**
ISC Event type ke.
IDC Error ellipse: s-maj=33.0km s-min=24.7km az=151.0.
IDC IV 15 04 02 10.3–8.9 19.48S 176.85W 590–34 4.0,3.0b
¶610652773
IDC Error ellipse: s-maj=184.7km s-min=30.4km az=57.0.
ISC IV 15 23 57 47.3–.71 16.2S–.20 179.2W–.20 500 3.5b 13 3-146
IDC IV 15 23 57 48.7–1.6 16.38S 179.15W 524–19 3.9,3.1b **¶610652831**
ISC Event type ke.
IDC Error ellipse: s-maj=42.5km s-min=16.7km az=150.0.
IDC IV 16 02 21 36.0–48 16.69S 179.21W 0 4.1s,4.0
¶610652841
IDC Error ellipse: s-maj=877.5km s-min=159.8km az=77.0.
ISC IV 16 05 38 07.4–.63 17.6S–.20 178.7W–.10 550 4.2b 39 3-144
NEIC IV 16 05 38 08.3–1.3 17.5S–.10 178.6W–.10 570–17 4.3b **¶610652852**
IDC IV 16 05 38 10.0–1.7 17.04S 179.18W 567–15 4.0,3.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=23.7km s-min=10.5km az=55.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=86.5km s-min=15.5km az=151.0.
ISC IV 16 07 47 22.7–.45 17.0S–.10 179.34W–.09 550 4.0b 80 3-176
NEIC IV 16 07 47 22.5–1.1 17.0S–.10 179.26W–.09 550–11 4.1b **¶610652856**
IDC IV 16 07 47 24.2–.95 16.91S 179.51W 560–7 4.0,3.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.6km s-min=8.5km az=212.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=44.2km s-min=12.3km az=150.0.
ISC IV 16 10 15 04.9–.46 19.99S–.08 177.76W–.08 500 4.3b 92 7-151
NOU IV 16 10 14 51.6 20.51S 178.79W 211 4.5b **¶610529467**
IDC IV 16 10 15 02.9–2.2 20.26S 177.71W 478–23 4.2,3.3b
NEIC IV 16 10 15 05.0–.95 20.1S–.20 177.7W–.20 505–12 4.3b,3.3b
ISC Event type se.
NOU Fiji Islands Region.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 16 14 52 11.4–.40 18.73S–.08 176.86W–.08 350 4.4b 426 2-151
NEIC IV 16 14 52 06.3–2.1 18.7S–.10 176.76W–.08 297–6 4.4b **¶610528777**
NOU IV 16 14 52 08.2 18.70S 176.46W 336 4.6b
IDC IV 16 14 52 10.3–1.9 18.71S 176.95W 336–18 4.4,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.6km s-min=10.9km az=162.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Fiji Islands Region.
IDC Error ellipse: s-maj=18.0km s-min=12.2km az=128.0.
ISC IV 16 15 34 22.3–.78 17.8S–.20 178.0W–.10 550 4.1b 22 4-87
NEIC IV 16 15 34 22.0–1.3 18.0S–.10 177.9W–.10 539–11 4.2b **¶610652874**
IDC IV 16 15 34 25.7–4.3 17.51S 178.48W 552–21 3.9,3.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.1km s-min=17.8km az=102.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=129.3km s-min=70.5km az=157.0.
IDC IV 16 17 03 33.2–4.2 17.11S 177.41W 395–29 3.7,3.0b
¶610652878
IDC Error ellipse: s-maj=248.4km s-min=27.2km az=158.0.
ISC IV 16 18 55 46.3–.60 21.78S–.08 179.10W–.10 600 4.4b 74 4-151
NEIC IV 16 18 55 46.6–1.6 21.7S–.10 179.1W–.10 611–11 4.3b **¶610652882**
IDC IV 16 18 55 47.7–1.7 21.61S 179.25W 608–18 4.5,3.5b
NOU IV 16 18 55 47.0 21.65S 178.98W 631 4.5b,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.4km s-min=14.6km az=169.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=27.7km s-min=18.1km az=144.0.
NOU Fiji Islands Region.
ISC IV 17 01 12 36.5–.00 16.3S–.30 176.1W–.20 364 3.7b 8 5-145
IDC IV 17 01 12 37.0–1.6 16.31S 176.11W 374–18 4.1,3.4b **¶610652899**
ISC Event type ke.
IDC Error ellipse: s-maj=38.3km s-min=18.8km az=144.0.
ISC IV 17 04 32 04.5–.67 19.1S–.10 177.68W–.10 600 4.2b 45 4-149
NEIC IV 17 04 32 02.9–2.1 19.3S–.10 177.6W–.10 572–12 4.4b **¶610652910**
IDC IV 17 04 32 05.7–1.5 19.39S 177.77W 593–17 4.1,3.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=22.8km s-min=13.4km az=147.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=22.9km s-min=17.1km az=177.0.
IDC IV 17 08 22 14.4–47 16.62S 178.10W 0 3.9,3.9b
¶610652919
IDC Error ellipse: s-maj=859.1km s-min=151.4km az=77.0.
ISC IV 17 18 04 53.7–1.0 17.7S–.30 178.9W–.20 539 3.5b 8 3-88
IDC IV 17 18 04 54.1–1.7 17.70S 178.95W 546–18 3.9,3.0b **¶610652935**
ISC Event type ke.
IDC Error ellipse: s-maj=36.1km s-min=21.5km az=155.0.
ISC IV 17 18 40 37.9–2.2 20.5S–.40 178.8W–.30 600 3.8b 8 4-150
IDC IV 17 18 40 39.5–6.6 20.32S 179.00W 605–40 4.1,3.1b **¶610652941**
ISC Event type ke.
IDC Error ellipse: s-maj=176.2km s-min=31.2km az=146.0.
ISC IV 17 21 32 13.7–.61 20.4S–.10 177.71W–.09 550 4.0b 35 5-147
NEIC IV 17 21 32 12.8–.90 20.3S–.10 177.7W–.10 523–3 4.0b **¶610652951**
IDC IV 17 21 32 17.2–3.8 20.27S 178.05W 557–31 4.0,3.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=22.1km s-min=16.9km az=157.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=92.8km s-min=25.5km az=149.0.
ISC IV 18 01 47 15.4–.55 17.8S–.10 178.6W–.10 550 4.0b 56 3-147
IDC IV 18 01 47 16.1–1.6 17.75S 178.61W 559–15 4.2,3.3b **¶610652959**
NEIC IV 18 01 47 17.8–1.3 17.7S–.20 178.7W–.20 578–9 4.1b,3.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 18 02 31 06.0–.67 18.9S–.10 177.3W–.10 350 4.2b 36 5-95
IDC IV 18 02 31 05.9–1.7 18.96S 177.31W 354–18 4.0,3.1b **¶610652961**
NEIC IV 18 02 31 08.2–1.9 18.9S–.20 177.2W–.10 372–11 4.4b,3.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 18 07 12 07.9–.41 18.78S–.05 177.56W–.05 633–4 4.7b 380 1-174
NEIC IV 18 07 12 07.0–1.6 18.8S–.10 177.6W–.10 609–7 4.8b **¶610529605**
NOU IV 18 07 12 07.6 18.64S 177.58W 636 5.0b
IDC IV 18 07 12 09.3–.95 18.74S 177.77W 643–10 4.8,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.0km s-min=15.8km az=111.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Fiji Islands Region.
IDC Error ellipse: s-maj=13.4km s-min=9.8km az=154.0.
ISC IV 18 07 46 19.4–.54 19.2S–.10 177.64W–.08 600 3.9b 52 4-149
NEIC IV 18 07 46 17.8–1.0 19.2S–.10 177.5W–.10 579–11 4.2b **¶610537705**
IDC IV 18 07 46 18.6–1.1 19.37S 177.64W 585–11 4.2,3.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.3km s-min=18.8km az=160.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=15.5km s-min=12.2km az=158.0.
IDC IV 18 09 20 09.2–5.1 19.97S 178.79W 533–35 4.0,3.0b
¶610652972
IDC Error ellipse: s-maj=124.6km s-min=53.1km az=146.0.
IDC IV 18 09 24 35.6–48 15.89S 176.47W 0 3.7,3.7b
¶610652973
IDC Error ellipse: s-maj=894.2km s-min=173.2km az=77.0.
IDC IV 18 10 50 49.1–51 16.87S 176.63W 589–42 4.0,3.0b
¶610652974
IDC Error ellipse: s-maj=863.4km s-min=121.0km az=78.0.
ISC IV 18 11 47 59.2–.74 14.8S–.20 178.0W–.10 379 3.5b 11 5-91
IDC IV 18 11 47 59.5–1.6 14.84S 178.09W 384–20 4.1,3.3b **¶610652978**
ISC Event type ke.
IDC Error ellipse: s-maj=49.4km s-min=14.2km az=153.0.
ISC IV 18 17 08 43.1–.43 18.03S–.07 178.31W–.06 636–4 4.6b 544 1-175
NOU IV 18 17 08 42.8 18.05S 178.24W 647 4.7b **¶610532551**
NEIC IV 18 17 08 43.0–2.0 18.09S–.09 178.3W–.10 635–5 4.6b
IDC IV 18 17 08 45.2–.88 18.01S 178.48W 651–9 4.8,3.8b
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s332.78778°,δ89.61566°,λ-125.98351°. NP2:
ϕ_s242.25848°,δ35.98528°,λ-0.65412°. Principal axes: T Plg34.5709°,Azm93.0895°
; N Plg35.9826°,Azm333.0668°; P Plg35.2336°,Azm212.2144° Moment Tensor Solution.
NP1:ϕ_s332.87131°,δ89.80962°,λ-61.80225°. NP2:ϕ_s63.22639°,δ28.19834°,λ-179.59709°.
Principal axes: T Plg38.3772°,Azm37.6444°; N Plg28.1976°,Azm152.7692°; P Plg38.7215°
,Azm268.2279°
NOU Fiji Islands Region.
NEIC Event type se. Error ellipse: s-maj=14.8km s-min=12.6km az=133.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=14.3km s-min=10.7km az=116.0.
ISC IV 18 17 11 02.3–.37 18.03S–.07 178.35W–.07 650 4.3b 376 3-148
NEIC IV 18 17 11 00.8–1.7 18.04S–.10 178.2W–.10 634–8 4.4b **¶610598402**
IDC IV 18 17 11 03.1–1.5 17.87S 178.55W 642–18 4.5,3.5b
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=15.5km s-min=14.1km az=122.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=17.7km s-min=13.1km az=122.0.
ISC IV 18 17 11 47.4–.19 18.04S–.03 178.41W–.03 632–1 5.4b 2199 0-175
BJI IV 18 17 11 46.9–.00 17.19S 178.20W 604 5.2b,4.9b **¶610652991**
NEIC IV 18 17 11 47 18.07S 178.38W 628 5.2b,4.9b
MOS IV 18 17 11 47.6–1.5 17.95S 178.49W 637 5.5b,4.9b
NEIC IV 18 17 11 47.0–2.2 18.09S–.08 178.37W–.07 628–1 6.1,6.0
NEIC IV 18 17 11 47 18.07S 178.38W 630 6.1,6.0
NEIC IV 18 17 11 48.2 18.06S 178.42W 639 6.1,6.0
NOU IV 18 17 11 48.1 18.07S 178.40W 637 5.3L,6.0
IDC IV 18 17 11 48.6–.38 18.08S 178.50W 642–3 5.7,4.7b
GCMT IV 18 17 11 54.0–.10 18.03S–.01 178.37W–.01 646–0 6.1W,4.7b
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s134.49692°,δ80.50232°,λ95.87124°. NP2:
ϕ_s282.56580°,δ11.15172°,λ58.55705°. Principal axes: T Plg54.1383°,Azm51.5893°
; N Plg5.7905°,Azm313.5248°; P Plg35.2453°,Azm219.4157°
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-0.71 $M_{\theta\theta}$-0.33 $M_{\phi\phi}$1.05 $M_{r\theta}$1.35
$M_{\theta\phi}$-0.43 $M_{\phi r}$-0.63 NP1:ϕ_s306.83000°,δ77.51000°,λ-117.54000°. NP2:ϕ_s194.31000°
,δ30.04000°,λ-25.59000°. Principal axes: T 1.6903,Plg27.0000°,Azm58.0000°
; N 0.2057,Plg27.0000°,Azm313.0000°; P -1.8960,Plg50.0000°,Azm186.0000°
$M_0$1.80000×10^{18}
NEIC Event type se. Moment Tensor Solution.Duration: 5^{s}2 Moment tensor: Scale 10^{18}Nm;
M_{rr}-0.56 $M_{\theta\theta}$-0.35 $M_{\phi\phi}$0.92 $M_{r\theta}$0.65 $M_{\theta\phi}$-0.32 $M_{\phi r}$-0.71 NP1:ϕ_s320.03000°,δ73.95000°
,λ-116.02000°. NP2:ϕ_s200.50000°,δ30.27000°,λ-33.26000°. Principal axes:
T 1.3788,Plg25.0000°,Azm70.0000°; N -0.1994,Plg25.0000°,Azm328.0000°
; P -1.1794,Plg54.0000°,Azm198.0000° $M_0$1.28000×10^{18}
NEIC Event type se.
NOU Fiji Islands Region.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to mantle waves, cutoff=125s.
Triangular moment-rate function. Moment Tensor Solution. s163,c358; s118,c139;
Duration: 2^{s}7 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.83±.01 $M_{\theta\theta}$-0.26±.01; $M_{\phi\phi}$1.08±.01;
$M_{r\theta}$1.23±.01; $M_{\theta\phi}$-0.69±.01; $M_{\phi r}$-0.43±.01; Best double couple: NP1:ϕ_s303.00000°,δ73.00000°
,λ-122.00000°. NP2:ϕ_s189.00000°,δ36.00000°,λ-29.00000°. Principal axes:
T 1.7270,Plg22.0000°,Azm57.0000°; N 0.0780,Plg31.0000°,Azm314.0000°
; P -1.8080,Plg51.0000°,Azm177.0000° $M_0$1.76700×10^{18}
ISC IV 18 17 43 36.9–.62 18.05S–.10 178.36W–.09 650 4.2b 48 3-146
NEIC IV 18 17 43 35.9–1.5 18.01S–.09 178.2W–.10 639–11 4.3b **¶610652996**
IDC IV 18 17 43 38.8–1.8 17.82S 178.65W 660–13 4.1,3.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.2km s-min=4.8km az=46.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=99.1km s-min=22.3km az=160.0.
ISC IV 18 17 45 51.2–.65 17.8S–.10 178.5W–.10 650 4.0b 33 3-87
NEIC IV 18 17 45 51.1–1.5 17.8S–.20 178.4W–.20 653–14 4.3b **¶610652998**
IDC IV 18 17 45 52.6–2.1 17.56S 178.77W 648–21 3.9,2.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=26.1km s-min=19.5km az=132.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=94.8km s-min=20.1km az=151.0.
ISC IV 18 18 23 59.5–.49 18.07S–.07 178.39W–.06 643–5 4.5b 433 2-175
NOU IV 18 18 23 58.8 18.18S 178.28W 647 4.6b **¶610532689**
NEIC IV 18 18 23 59.4–2.0 18.1S–.10 178.4W–.10 639–8 4.5b
IDC IV 18 18 24 01.2–.72 18.15S 178.54W 657–8 4.7,3.7b
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s344.40228°,δ88.84292°,λ-73.37959°. NP2:
ϕ_s78.27243°,δ16.65951°,λ-175.96083°. Principal axes: T Plg41.5403°,Azm58.7252°
; N Plg16.6169°,Azm164.0569°; P Plg43.7652°,Azm270.6660°

NOU Fiji Islands Region.
NEIC Event type se. Error ellipse: s-maj=15.9km s-min=12.9km az=141.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=13.2km s-min=8.6km az=140.0.
ISC IV 19 05 28 20.4–1.6 18.3S–.50 178.5W–.30 500 3.5b 6 3-86
IDC IV 19 05 28 19.4–3.1 18.46S 178.34W 490–25 3.9,3.0b **¶610653029**
ISC Event type ke.
IDC Error ellipse: s-maj=92.6km s-min=22.7km az=149.0.
ISC IV 19 10 20 26.3–1.5 20.3S–.40 178.1W–.20 500 3.3b 7 4-89
IDC IV 19 10 20 29.2–5.5 19.77S 178.43W 523–44 3.8,2.9b **¶610653042**
ISC Event type ke.
IDC Error ellipse: s-maj=172.9km s-min=21.5km az=155.0.
IDC IV 19 19 06 41.7–4.5 17.27S 178.90W 597–21 4.0,3.1b
¶610653065
IDC Error ellipse: s-maj=116.1km s-min=79.0km az=152.0.
ISC IV 19 19 24 53.8–.43 18.53S–.09 177.77W–.07 550 4.2b 113 4-151
NEIC IV 19 19 24 52.6–1.5 18.6S–.10 177.8W–.10 526–8 4.2b **¶610544095**
IDC IV 19 19 24 55.4–1.6 18.59S 178.05W 547–16 4.1,3.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.4km s-min=13.1km az=58.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=22.3km s-min=11.9km az=145.0.
IDC IV 19 22 55 13.5–8.0 19.50S 177.65W 565–70 3.5,2.6b
¶610653079
IDC Error ellipse: s-maj=287.1km s-min=31.3km az=157.0.
IDC IV 20 01 56 19.0–3.2 18.46S 177.95W 612–29 3.7,2.7b
¶610653089
IDC Error ellipse: s-maj=131.2km s-min=29.5km az=155.0.
IDC IV 20 07 15 50.8–13 18.87S 179.56W 630–147 3.6,2.6b
¶610653100
IDC Error ellipse: s-maj=250.9km s-min=48.0km az=149.0.
ISC IV 20 09 52 16.2–.33 21.60S–.06 178.64W–.06 500 4.6b 468 3-172
NEIC IV 20 09 52 15.8–1.9 21.6S–.10 178.68W–.04 488–7 4.6b **¶610598416**
IDC IV 20 09 52 17.3–1.3 21.56S 178.77W 506–12 4.7,3.9b
NOU IV 20 09 52 17.7 21.48S 178.64W 524 4.7b,3.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.3km s-min=4.3km az=164.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=16.5km s-min=11.4km az=135.0.
NOU Fiji Islands Region.
IDC IV 20 13 22 55.2–5.1 22.00S 179.81W 590–32 4.1,3.1b
¶610653117
IDC Error ellipse: s-maj=110.6km s-min=35.2km az=135.0.
ISC IV 21 17 45 35.7–.52 18.2S–.10 178.15W–.09 500 4.0b 57 4-148
NEIC IV 21 17 45 32.3–2.2 18.0S–.10 178.2W–.20 460–9 4.2b **¶610653215**
IDC IV 21 17 45 37.3–1.2 18.27S 178.25W 522–12 3.9,3.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=23.1km s-min=17.3km az=123.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=22.0km s-min=14.8km az=129.0.
IDC IV 21 20 18 02.9–2.7 21.48S 179.97W 602–71 3.7,2.8b
¶610653219
IDC Error ellipse: s-maj=129.4km s-min=36.4km az=34.0.
ISC IV 22 02 32 02.5–2.4 13.5S–.50 173.7E–.40 35 4.1b 7 39-101
IDC IV 22 02 31 57.3–2.4 13.49S 173.66E 0 4.2b,4.1 **¶610653237**
ISC Event type ke.
IDC Error ellipse: s-maj=99.4km s-min=30.7km az=141.0.
ISC IV 22 02 35 10.6–.47 19.56S–.09 176.32W–.09 35 4.7b,4.2s 100 6-152
GCMT IV 22 02 35 09.6–.20 19.56S–.02 175.97W–.01 15–1 5.0W,4.2s **¶610547210**
IDC IV 22 02 35 13.8–2.9 19.49S 176.33W 73–25 4.2,4.1s
NEIC IV 22 02 35 15.6–1.4 19.23S–.05 176.49W–.09 76–6 4.5b,4.1s
ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s25,c29; s111,c152;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-0.76±.15 $M_{\theta\theta}$-2.75±.11; $M_{\phi\phi}$3.50±.13; $M_{r\theta}$-0.73±.41; $M_{\theta\phi}$-0.28±.09; $M_{\phi r}$1.67±.37; Best double couple: NP1:ϕ_s134.00000°,δ90.00000°,λ-152.00000°. NP2:ϕ_s44.00000°,δ62.00000°,λ0.00000°. Principal axes: T 4.1140,Plg19.0000° ,Azm266.0000°; N -1.1200,Plg62.0000°,Azm135.0000°; P -2.9990,Plg20.0000°,Azm3.0000° $M_0$3.55600×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 22 07 49 42.6–.68 21.5S–.10 178.0W–.10 412 3.6b 17 5-151
IDC IV 22 07 49 42.7–2.2 21.45S 178.04W 411–22 4.0,3.2b **¶610653247**
ISC Event type ke.
IDC Error ellipse: s-maj=21.4km s-min=14.3km az=132.0.
IDC IV 22 11 51 32.8–12 21.06S 178.13W 520–152 3.7,2.6b
¶610653263
IDC Error ellipse: s-maj=75.3km s-min=38.0km az=8.0.
IDC IV 22 14 17 39.6–19 19.92S 176.63W 522–118 3.6,2.7b
¶610653269
IDC Error ellipse: s-maj=422.1km s-min=31.9km az=140.0.
ISC IV 22 19 07 36.1–.65 18.0S–.20 178.5W–.10 600 4.0b 44 3-152
NEIC IV 22 19 07 35–1.9 18.1S–.20 178.37W–.08 582–8 4.2b **¶610653277**
IDC IV 22 19 07 38.5–2.1 17.58S 178.82W 610–18 4.0,3.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=27.7km s-min=10.6km az=176.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=91.1km s-min=16.8km az=152.0.
ISC IV 22 22 33 22.3–.33 21.26S–.06 176.80W–.06 267 4.6b 432 4-172
NOU IV 22 22 33 21.4 21.28S 176.55W 272 4.8b **¶610547488**
NEIC IV 22 22 33 21.2–2.3 21.2S–.10 176.86W–.09 249–6 4.7b
IDC IV 22 22 33 22.2–1.5 21.26S 176.94W 262–13 4.5,3.9b
ISC Event type se.
NOU Fiji Islands Region.
NEIC Event type se. Error ellipse: s-maj=14.8km s-min=11.8km az=168.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=13.0km s-min=10.9km az=106.0.
ISC IV 23 08 36 02.6–.52 19.82S–.09 177.80W–.09 569 3.7b 49 4-152
IDC IV 23 08 36 03.2–1.4 19.84S 177.93W 577–15 4.2,3.3b **¶610649806**
ISC Event type ke.
IDC Error ellipse: s-maj=20.5km s-min=13.3km az=135.0.
IDC IV 23 14 59 45.5–3.4 17.57S 178.38W 620–21 3.8,2.8b
¶610649819
IDC Error ellipse: s-maj=109.2km s-min=29.8km az=140.0.
ISC IV 23 22 43 56.6–1.1 13.6S–.30 174.5E–.20 35 4.0b,3.6s 14 15-173
IDC IV 23 22 43 51.2–1.2 13.62S 174.51E 0 4.0,4.0b **¶610649836**
ISC Event type ke.
IDC Error ellipse: s-maj=51.4km s-min=20.7km az=147.0.
IDC IV 23 23 29 24.2–4.4 20.14S 178.11W 561–42 3.8,3.0b
¶610649840
IDC Error ellipse: s-maj=127.9km s-min=27.1km az=154.0.
IDC IV 24 06 43 05.0–61 21.91S 176.30W 0 4.1,4.1b
¶610649863
IDC Error ellipse: s-maj=1123.0km s-min=177.3km az=85.0.
IDC IV 24 06 52 24.4–1.9 21.15S 179.89W 0 4.3,4.3b
¶610649864
IDC Error ellipse: s-maj=149.8km s-min=31.0km az=158.0.
ISC IV 24 08 14 02.4–1.5 20.8S–.20 178.9W–.20 450 3.2b 6 18-89
IDC IV 24 08 14 02.9–7.9 20.81S 178.86W 455–90 3.8,2.9b **¶610649870**
ISC Event type ke.
IDC Error ellipse: s-maj=49.6km s-min=29.3km az=26.0.
ISC IV 24 09 04 36.7–1.2 17S–1.0 179.0W–.40 550 4.1b 6 3-45
IDC IV 24 09 04 41.1–4.2 17.31S 179.18W 579–19 4.1,3.3b **¶610649875**
ISC Event type ke.
IDC Error ellipse: s-maj=100.1km s-min=70.7km az=142.0.
ISC IV 24 10 08 59.3–.37 18.30S–.07 173.17E–.06 35 4.7b,4.5s 162 5-170
IDC IV 24 10 08 54.3–.56 18.13S 173.02E 0 5.4L,4.3s **¶610548730**
NOU IV 24 10 09 01.1 18.17S 173.12E 46 4.7b,4.3s
NEIC IV 24 10 09 01.2–2.6 18.2S–.10 173.15E–.09 56–7 4.7b,4.3s
GCMT IV 24 10 09 01.2–.10 18.07S–.01 173.07E–.01 12 5.1W,4.3s
ISC Event type se.
NOU Fiji Islands Region.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s80,c119; s132,c203;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-5.49±.09 $M_{\theta\theta}$5.12±.09; $M_{\phi\phi}$0.37±.09; $M_{r\theta}$0.34±.25; $M_{\theta\phi}$-1.48±.08; $M_{\phi r}$-0.21±.30; Best double couple: NP1:ϕ_s287.00000°,δ47.00000°,λ-88.00000°. NP2:ϕ_s105.00000°,δ43.00000°,λ-92.00000°. Principal axes: T 5.5570,Plg2.0000° ,Azm16.0000°; N -0.0490,Plg1.0000°,Azm106.0000°; P -5.5060,Plg88.0000°,Azm225.0000° $M_0$5.53200×10^{16}
ISC IV 24 23 25 54.0–.31 18.10S–.06 173.26E–.05 50 5.3s,4.8b 191 5-171
IDC IV 24 23 25 47.9–.54 18.39S 173.09E 0 5.2L,5.1s **¶610548818**
BGR IV 24 23 25 53.5 19.54S 171.53E 33 5.2L,5.1s
NEIC IV 24 23 25 55.9–2.0 17.89S–.09 173.32E–.08 86–5 4.9b,5.1s
ISC Event type ke.
BGR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 24 23 35 12.8–1.2 18.2S–.50 173.1E–.10 35 3.8b 6 5-145
IDC IV 24 23 35 07.8–1.4 18.26S 173.05E 0 4.6L,3.8 **¶610649938**
ISC Event type ke.
IDC Error ellipse: s-maj=83.2km s-min=23.6km az=163.0.
IDC IV 25 06 22 39.6–8.3 18.46S 178.30W 596–31 3.6,2.7b
¶610649955
IDC Error ellipse: s-maj=263.8km s-min=31.8km az=142.0.
IDC IV 25 09 24 37.9–2.4 17.65S 177.20W 0 3.7,3.7b
¶610649973
IDC Error ellipse: s-maj=144.9km s-min=27.8km az=156.0.
ISC IV 25 20 41 01.3–.70 20.9S–.10 179.0W–.10 619 4.3b 75 4-151
NEIC IV 25 20 40 59.5–1.2 21.0S–.20 178.7W–.20 609–10 4.4b **¶610650013**
IDC IV 25 20 41 03.0–2.0 20.73S 179.13W 624–17 4.3,3.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=23.9km s-min=18.7km az=140.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=45.7km s-min=13.2km az=153.0.
ISC IV 26 00 44 00.4–1.8 19.2S–.40 177.6W–.30 550 3.9b 7 4-45
IDC IV 26 00 44 00.5–2.9 19.19S 177.60W 544–34 4.3,3.2b **¶610650022**
ISC Event type ke.
IDC Error ellipse: s-maj=104.4km s-min=26.5km az=157.0.
ISC IV 26 03 18 25.7–.93 18.0S–.20 178.5W–.20 600 3.8b 17 3-175
IDC IV 26 03 18 27.8–1.5 17.92S 178.53W 628–16 4.2,3.3b **¶610650029**
ISC Event type ke.
IDC Error ellipse: s-maj=34.4km s-min=11.9km az=152.0.
IDC IV 26 08 00 56.7–4.2 17.85S 178.06W 625–24 3.5,2.5b
¶610650037
IDC Error ellipse: s-maj=169.7km s-min=26.5km az=148.0.
ISC IV 26 12 04 58.3–.67 15.0S–.10 178.8W–.10 401 3.9b 33 4-86
NEIC IV 26 12 04 58.5–1.2 15.0S–.10 178.78W–.09 402–13 4.2b **¶610650056**
IDC IV 26 12 04 58.1–2.0 14.84S 178.99W 390–32 4.1,3.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.3km s-min=10.7km az=214.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=94.5km s-min=14.6km az=152.0.
IDC IV 26 13 25 03.3–12 21.14S 179.75W 633–99 3.8,2.8b
¶610650060
IDC Error ellipse: s-maj=293.1km s-min=111.0km az=83.0.
ISC IV 26 17 31 13.5–.32 17.91S–.04 178.48W–.04 573–3 5.0b 1415 0-175
MOS IV 26 17 31 11.2–1.0 17.76S 178.62W 546 5.0b **¶610559272**
NEIC IV 26 17 31 13.8–1.9 17.9S–.10 178.5W–.10 568–5 5.2,5.0b
BJI IV 26 17 31 13.1–.00 17.35S 178.90W 540 4.7b,4.7b
NOU IV 26 17 31 14.0 17.83S 178.53W 574 5.0L,4.7b
IDC IV 26 17 31 14.8–.60 17.88S 178.60W 582–6 5.3,4.4b
GCMT IV 26 17 31 16.8–.50 18.06S–.05 178.54W–.06 583–3 5.4W,4.4b
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s45.21417°,δ48.01754°,λ170.65453°. NP2: ϕ_s141.49612°,δ83.06690°,λ42.36338°. Principal axes: T Plg33.9411°,Azm12.4624° ; N Plg47.1792°,Azm149.0362°; P Plg22.8072°,Azm266.0225°
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Fiji Islands Region.
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. Moment Tensor Solution. s57,c67;Duration: 1±2 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.01±.05 $M_{\theta\theta}$0.84±.08; $M_{\phi\phi}$-0.83±.09; $M_{r\theta}$0.43±.10; $M_{\theta\phi}$-0.46±.09; $M_{\phi r}$-1.05±.08; Best double couple: NP1: ϕ_s331.00000°,δ89.00000°,λ-50.00000°. NP2:ϕ_s62.00000°,δ40.00000°,λ-179.00000°. Principal axes: T 1.3990,Plg32.0000°,Azm28.0000°; N 0.1590,Plg40.0000°,Azm150.0000° ; P -1.5580,Plg33.0000°,Azm274.0000° $M_0$1.47800×10^{17}
ISC IV 26 23 04 57.4–.77 17.3S–.20 179.0W–.10 550 3.8b 24 3-87
NEIC IV 26 23 04 58.6–1.1 17.2S–.20 178.99W–.09 571–11 4.0b **¶610650094**
IDC IV 26 23 04 59.6–2.0 17.11S 179.16W 569–19 4.0,3.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=29.7km s-min=9.7km az=163.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=114.4km s-min=19.9km az=154.0.
IDC IV 27 00 00 58.2–4.0 17.43S 177.00W 405–30 3.8,3.0b
¶610650095
IDC Error ellipse: s-maj=113.4km s-min=25.6km az=149.0.
IDC IV 27 04 36 24.3–23 18.70S 178.22W 617–42 3.8,2.9b
¶610650101
IDC Error ellipse: s-maj=441.0km s-min=97.3km az=91.0.
ISC IV 27 05 18 03.9–.53 19.90S–.09 177.56W–.07 550 4.5b 45 5-173
NEIC IV 27 05 18 02.9–1.5 20.1S–.20 177.5W–.10 529–14 4.5b **¶610650106**
IDC IV 27 05 18 04.8–1.9 20.23S 177.79W 532–19 4.5,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=23.6km s-min=15.5km az=209.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=26.0km s-min=20.2km az=174.0.
ISC IV 27 06 20 38.5–.69 17.9S–.20 178.4W–.10 550 4.1b 28 3-87
NEIC IV 27 06 20 40.0–1.2 17.7S–.20 178.43W–.08 579–11 4.3b **¶610650110**
IDC IV 27 06 20 41.8–1.9 17.20S 179.04W 577–19 4.0,3.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=28.7km s-min=8.7km az=163.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=82.0km s-min=16.6km az=150.0.
IDC IV 27 07 08 38.3–44 19.48S 179.88W 418–140 4.0,3.3b
¶610650112
IDC Error ellipse: s-maj=935.3km s-min=111.1km az=82.0.
ISC IV 27 09 06 31.8–1.0 17.4S–.20 178.6W–.20 500 3.9b 13 3-147
IDC IV 27 09 06 32.9–1.8 17.41S 178.67W 510–19 4.1,3.3b **¶610650119**
ISC Event type ke.
IDC Error ellipse: s-maj=23.1km s-min=18.5km az=139.0.
IDC IV 27 10 32 40.0–3.4 17.26S 178.87W 550–18 4.3,3.4b
¶610650124
IDC Error ellipse: s-maj=107.9km s-min=53.0km az=153.0.
IDC IV 27 21 37 53.9–53 16.98S 176.42W 0 4.1,4.1b
¶610650168
IDC Error ellipse: s-maj=996.6km s-min=183.2km az=79.0.
ISC IV 28 01 12 29.3–1.8 18.1S–.60 177.1W–.20 361 3.3b 14 5-150
IDC IV 28 01 12 29.9–4.3 18.07S 177.11W 364–29 3.7,3.0b **¶610650179**
ISC Event type ke.
IDC Error ellipse: s-maj=107.0km s-min=23.2km az=149.0.
IDC IV 28 02 14 06.3–19 17.46S 178.64W 520–251 3.6,2.7b

¶610650181
IDC Error ellipse: s-maj=254.7km s-min=48.8km az=167.0.
ISC IV 28 17 44 50.7–.50 17.6S–.10 178.20W–.09 550 4.2b 74 1-147
IDC IV 28 17 44 49.3–1.6 17.62S 178.29W 521–19 4.4,3.4b ¶610650244
NEIC IV 28 17 44 49.2–1.2 17.6S–.10 178.2W–.10 529–9 4.3b,3.4b
NOU IV 28 17 44 50.2 17.29S 178.26W 567 4.2b,3.4b
ISC Event type se.
IDC Error ellipse: s-maj=25.5km s-min=13.4km az=146.0.
NEIC Event type se. Error ellipse: s-maj=19.3km s-min=17.5km az=164.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Fiji Islands Region.
ISC IV 28 18 24 33.8–2.4 18S–1.0 178.5W–.40 600 3.2b 6 3-148
IDC IV 28 18 24 32.9–3.9 18.73S 178.24W 599–28 3.7,2.8b ¶610650245
ISC Event type ke.
IDC Error ellipse: s-maj=156.5km s-min=23.0km az=154.0.
ISC IV 28 19 28 53.2–1.6 17.2S–.40 178.1W–.10 600 4.2b 17 4-73
NEIC IV 28 19 28 53.5–.78 17.5S–.50 178.1W–.20 591–22 4.1b ¶610650250
IDC IV 28 19 28 57.8–3.8 17.59S 178.81W 585–20 4.0,3.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=66.0km s-min=21.8km az=191.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=119.6km s-min=61.3km az=153.0.
ISC IV 28 21 56 49.3–.43 20.51S–.07 178.11W–.07 534 4.4b 117 4-150
IDC IV 28 21 56 48.8–1.9 20.72S 178.05W 532–20 4.7,3.8b ¶610650258
NEIC IV 28 21 56 50.1–1.5 20.5S–.10 178.1W–.10 535–9 4.4b,3.8b
NOU IV 28 21 56 50.0 20.57S 178.14W 530 4.5b,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=20.0km s-min=13.7km az=149.0.
NEIC Event type se. Error ellipse: s-maj=18.6km s-min=15.5km az=142.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Fiji Islands Region.
ISC IV 30 04 06 15.0–1.2 21.2S–.20 177.9W–.20 450 3.7b 8 5-144
IDC IV 30 04 06 16.3–2.5 21.13S 178.01W 467–25 4.1,3.1b ¶610650380
ISC Event type ke.
IDC Error ellipse: s-maj=36.0km s-min=22.3km az=137.0.
ISC IV 30 09 10 27.6–1.6 20.7S–.40 179.0W–.20 600 3.1b 11 4-150
IDC IV 30 09 10 28.6–4.5 20.52S 179.04W 604–31 3.7,2.7b ¶610650396
ISC Event type ke.
IDC Error ellipse: s-maj=126.8km s-min=19.7km az=149.0.
ISC IV 30 16 11 46.9–.49 16.74S–.09 174.48E–.07 35 4.3b,3.9s 46 4-147
IDC IV 30 16 11 42.2–.84 16.65S 174.35E 0 4.3L,4.0s ¶610598488
NEIC IV 30 16 11 42.7–2.1 16.5S–.10 174.51E–.03 10–2 4.5b,4.0s
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 30 17 09 48.0–.74 17.9S–.20 178.6W–.10 650 3.6b 36 3-150
IDC IV 30 17 09 48.3–1.6 17.70S 178.60W 642–17 4.1,3.1b ¶610650435
ISC Event type ke.
IDC Error ellipse: s-maj=34.5km s-min=12.3km az=148.0.
ISC IV 30 20 31 49.6–.75 18.7S–.10 178.3W–.10 500 3.4b 15 4-145
IDC IV 30 20 31 48.4–1.5 18.65S 178.15W 478–15 4.0,3.2b ¶610650448
ISC Event type ke.
IDC Error ellipse: s-maj=22.5km s-min=16.5km az=111.0.
IDC V 01 01 44 18.8–9.1 20.84S 177.40W 183–58 3.9,3.1b
¶610689271
IDC Error ellipse: s-maj=222.9km s-min=30.4km az=146.0.
NEIC V 01 12 42 06.6–1.4 17.4S–.50 178.0W–.20 551–26 4.3b
IDC V 01 12 42 09.2–21 17.14S 178.43W 559–31 4.3,3.4b ¶610689306
NEIC Event type se. Error ellipse: s-maj=68.4km s-min=26.4km az=167.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=392.9km s-min=102.8km az=74.0.
ISC V 02 03 56 08.3–1.3 17.7S–.40 178.5W–.30 600 3.5b 11 3-94
IDC V 02 03 56 09.9–1.9 17.64S 178.68W 618–20 4.0,3.1b ¶610689362
ISC Event type ke.
IDC Error ellipse: s-maj=55.9km s-min=15.8km az=148.0.
ISC V 02 09 39 43.1–1.2 19.5S–.20 177.9W–.20 600 3.0b 6 4-87
IDC V 02 09 39 41.5–2.1 19.60S 177.71W 576–25 3.6,2.5b ¶610689380
ISC Event type ke.
IDC Error ellipse: s-maj=30.8km s-min=24.5km az=125.0.
ISC V 02 18 22 10.5–1.0 21.7S–.20 179.4W–.10 604 3.9b 35 5-149
NEIC V 02 18 22 10.3–1.1 21.8S–.20 179.4W–.10 598–14 4.3b ¶610689412
IDC V 02 18 22 11.1–2.5 21.65S 179.48W 610–23 4.0,3.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=34.9km s-min=13.0km az=159.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=48.1km s-min=18.0km az=143.0.
ISC V 03 07 12 45.8–1.4 16.7S–.90 179.5W–.50 550 3.2b 7 3-87
IDC V 03 07 12 46.0–2.0 17.06S 179.31W 556–18 3.7,2.9b ¶610689457
ISC Event type ke.
IDC Error ellipse: s-maj=113.5km s-min=22.2km az=154.0.
IDC V 03 11 52 55.1–7.2 18.75S 176.88W 0 3.6,3.6b
¶610689477
IDC Error ellipse: s-maj=310.5km s-min=38.4km az=143.0.
ISC V 03 17 17 42.6–.42 17.59S–.08 178.47W–.07 550 4.6b 142 1-151
NEIC V 03 17 17 42.2–2.1 17.7S–.10 178.6W–.10 525–8 4.6b ¶610689492
NOU V 03 17 17 42.5 17.56S 178.35W 557 4.5b
IDC V 03 17 17 43.7–1.1 17.67S 178.51W 562–10 4.7,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.6km s-min=17.1km az=136.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Fiji Islands Region.
IDC Error ellipse: s-maj=15.5km s-min=12.3km az=104.0.
IDC V 03 20 47 59.7–65 20.91S 177.62W 0 3.7,3.7b
¶610689503
IDC Error ellipse: s-maj=1188.0km s-min=171.1km az=84.0.
ISC V 04 03 10 47.3–2.2 18.2S–.50 177.4W–.40 550 4.0b 7 4-94
IDC V 04 03 10 52.4–1.9 17.35S 178.25W 578–18 4.2,3.4b ¶610689518
ISC Event type ke.
IDC Error ellipse: s-maj=104.1km s-min=22.5km az=152.0.
ISC V 04 06 19 48.7–.70 14.9S–.10 177.61W–.07 400 4.0b 29 5-92
NEIC V 04 06 19 49.1–1.9 15.0S–.10 177.69W–.08 362–8 4.2b ¶610689526
IDC V 04 06 19 54.9–2.5 15.57S 178.20W 402–24 4.2,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.4km s-min=7.9km az=146.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=27.0km s-min=24.0km az=177.0.
ISC V 04 14 33 29.3–1.1 15.4S–.20 178.2W–.20 400 3.5b 8 4-85
IDC V 04 14 33 30.8–2.3 15.43S 178.32W 420–26 3.9,3.2b ¶610689551
ISC Event type ke.
IDC Error ellipse: s-maj=34.8km s-min=20.4km az=139.0.
IDC V 05 09 28 00.1–8.9 18.53S 177.78W 630–36 3.8,2.8b
¶610689601
IDC Error ellipse: s-maj=275.1km s-min=30.5km az=141.0.
ISC V 06 04 10 49.1–.81 19.9S–.20 178.2W–.20 550 3.7b 16 4-150
IDC V 06 04 10 47.8–1.9 19.94S 178.06W 534–20 4.1,3.3b ¶610689642
ISC Event type ke.
IDC Error ellipse: s-maj=32.5km s-min=16.8km az=147.0.
IDC V 06 04 20 03.7–7.4 20.46S 179.65W 662–47 4.2,3.1b
¶610689643
IDC Error ellipse: s-maj=234.2km s-min=42.6km az=151.0.
IDC V 06 04 25 41.3–12 16.69S 177.42W 578–24 4.4,3.5b
¶610689644
IDC Error ellipse: s-maj=241.2km s-min=33.7km az=52.0.
ISC V 06 11 27 28.0–.60 19.8S–.10 178.0W–.10 600 3.9b 45 4-150
IDC V 06 11 27 28.0–1.5 19.89S 178.00W 608–18 4.0,3.1b ¶610689660
NEIC V 06 11 27 29.6–1.3 20.0S–.20 178.2W–.20 605–21 4.4b,3.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 06 17 06 35.3–.68 20.1S–.10 177.6W–.10 550 4.4b 46 7-147
NEIC V 06 17 06 36.3–1.2 20.08S–.07 177.5W–.20 562–13 4.4b ¶610689675
IDC V 06 17 06 38.0–7.2 19.88S 177.71W 577–76 4.4,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.9km s-min=10.8km az=88.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=46.4km s-min=29.6km az=63.0.
IDC V 06 21 26 03.4–58 19.37S 177.09W 0 3.8,3.8b
¶610689687
IDC Error ellipse: s-maj=1070.0km s-min=179.0km az=82.0.
ISC V 06 22 29 11.1–.96 19.0S–.20 177.5W–.10 600 4.2b 26 4-147
NEIC V 06 22 29 11.5–.84 18.9S–.20 177.42W–.10 611–16 4.3b ¶610689690
IDC V 06 22 29 12.1–2.4 18.83S 177.67W 597–21 4.4,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=35.9km s-min=12.2km az=171.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=93.0km s-min=25.1km az=152.0.
IDC V 07 00 58 52.0–7.2 20.39S 179.02W 616–45 3.6,2.7b
¶610689695
IDC Error ellipse: s-maj=197.9km s-min=37.9km az=146.0.
ISC V 07 09 01 38.2–.69 17.9S–.20 178.5W–.10 579 4.2b 35 3-145
IDC V 07 09 01 38.8–1.5 17.47S 178.80W 575–16 4.0,2.9b ¶610689710
NEIC V 07 09 01 38.5–1.2 17.9S–.40 178.3W–.30 600–29 4.3b,2.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 07 14 17 37.1–.71 17.3S–.10 178.8W–.10 550 4.2b 26 3-83
NEIC V 07 14 17 37.0–1.4 17.3S–.10 178.7W–.10 546–4 4.3b ¶610689728
IDC V 07 14 17 40.0–4.3 17.41S 179.02W 562–19 4.3,3.3b
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=17.3km s-min=14.1km az=203.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=103.0km s-min=75.4km az=155.0.
IDC V 07 14 30 08.1–44 21.85S 177.40W 661–399 3.9,2.7b
¶610689729
IDC Error ellipse: s-maj=418.4km s-min=144.3km az=110.0.
ISC V 07 22 28 03.6–.44 18.28S–.10 173.03E–.08 35 4.4b,4.1s 62 5-170
IDC V 07 22 27 58.7–.64 18.16S 173.02E 0 5.0L,4.3 ¶610689760
NEIC V 07 22 28 04.2–1.3 18.3S–.20 173.10E–.03 41–8 4.6b,4.3
GCMT V 07 22 28 04.2–.20 18.09S–.02 173.09E–.02 15–0 4.9W,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s33,c36; s106,c133;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.95±.15 $M_{\theta\theta}$2.32±.11; $M_{\phi\phi}$0.63±.09; $M_{r\theta}$-0.56±.19; $M_{\theta\phi}$-0.84±.06; $M_{\phi r}$-0.09±.21; Best double couple: NP1:ϕ_s107.00000°,δ50.00000°,λ-97.00000°. NP2:ϕ_s297.00000°,δ40.00000°,λ-82.00000°. Principal axes: T 2.7070,Plg5.0000° ,Azm202.0000°; N 0.3140,Plg5.0000°,Azm111.0000°; P -3.0180,Plg83.0000°,Azm336.0000° $M_0$2.86200×10^{16}
ISC V 08 10 26 21.9–1.0 19.7S–.20 178.3W–.20 600 3.4b 8 4-88
IDC V 08 10 26 22.5–2.1 19.69S 178.39W 608–22 3.8,2.8b ¶610689791
ISC Event type ke.
IDC Error ellipse: s-maj=34.5km s-min=22.4km az=138.0.
NEIC V 08 18 28 30.1–1.0 17.5S–.60 179.9W–.30 552–6 4.2b
IDC V 08 18 28 28.0–37 17.07S 179.82W 546–113 4.0,3.2b ¶610689819
NEIC Event type se. Error ellipse: s-maj=84.7km s-min=34.6km az=164.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=772.2km s-min=106.5km az=79.0.
ISC V 08 20 31 56.2–2.6 18.9S–.30 178.2W–.30 600 4.0b 20 4-86
IDC V 08 20 31 54.4–2.0 18.72S 177.79W 611–21 4.1,3.1b ¶610689841
NEIC V 08 20 31 57.8–1.6 19.0S–.40 178.2W–.30 608–28 4.0b,3.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC V 10 08 14 00.8–44 17.92S 177.47W 594–34 3.8,2.9b
¶610689954
IDC Error ellipse: s-maj=789.0km s-min=108.7km az=82.0.
ISC V 10 11 20 40.9–1.5 17.3S–.60 178.9W–.40 550 3.3b 6 3-87
IDC V 10 11 20 43.5–2.1 17.34S 178.88W 582–19 3.8,2.9b ¶610689964
ISC Event type ke.
IDC Error ellipse: s-maj=88.7km s-min=19.4km az=149.0.
ISC V 10 13 54 30.1–.37 18.82S–.07 177.60W–.07 570 4.6b 189 4-174
IDC V 10 13 54 29.8–1.1 18.81S 177.55W 564–13 4.6,3.6b ¶610667658
NEIC V 10 13 54 30.1–1.3 18.8S–.10 177.5W–.10 571–9 4.6b,3.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 10 16 46 34.1–1.1 21.7S–.10 178.7W–.20 536 4.3b 51 5-144
NEIC V 10 16 46 33.8–1.8 21.6S–.10 178.6W–.20 555–13 4.5b ¶610689978
IDC V 10 16 46 35.1–2.5 21.70S 178.68W 562–24 4.1,3.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=25.3km s-min=13.4km az=118.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=43.4km s-min=29.2km az=74.0.
ISC V 11 08 27 56.4–.44 15.21S–.08 177.55W–.07 400 4.4b 68 1-143
IDC V 11 08 27 55.7–1.2 15.25S 177.55W 389–13 4.5,3.8b ¶610690028
NEIC V 11 08 27 56.1–1.1 15.2S–.10 177.48W–.10 394–8 4.5b,3.8b
NOU V 11 08 27 56.6 15.20S 177.43W 388 4.2,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=17.5km s-min=10.2km az=151.0.
NEIC Event type se. Error ellipse: s-maj=16.9km s-min=12.3km az=152.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Fiji Islands Region.
IDC V 11 20 37 35.8–58 19.08S 178.87W 0 4.1,4.1b
¶610690081
IDC Error ellipse: s-maj=1051.0km s-min=150.1km az=81.0.
IDC V 12 02 37 43.0–3.4 17.56S 178.58W 634–21 3.9,2.9b
¶610690092
IDC Error ellipse: s-maj=115.8km s-min=29.5km az=140.0.
IDC V 12 03 57 23.5–4.2 19.28S 178.84W 0 3.8,3.8b
¶610690098
IDC Error ellipse: s-maj=304.1km s-min=37.2km az=155.0.
ISC V 12 08 58 28.2–.82 20.5S–.20 178.0W–.10 534 3.7b 18 5-147
IDC V 12 08 58 30.7–1.8 20.56S 178.19W 557–18 4.2,3.3b ¶610690113
ISC Event type ke.
IDC Error ellipse: s-maj=29.2km s-min=15.0km az=150.0.
IDC V 12 10 27 05.5–27 14.11S 177.49W 256–274 3.7,3.1b
¶610690125
IDC Error ellipse: s-maj=467.7km s-min=51.9km az=160.0.
ISC V 12 10 41 46.3–3.6 15.1S–.50 177.9W–.30 200 3.7b 5 5-143
IDC V 12 10 41 52.7–6.0 15.64S 178.29W 223–37 4.0s,3.9 ¶610690126
ISC Event type ke.
IDC Error ellipse: s-maj=70.1km s-min=38.6km az=32.0.
ISC V 12 19 49 48.7–.82 19.3S–.10 176.06W–.09 300 4.2b 56 6-147
NOU V 12 19 49 40.1 18.85S 175.17W 282 4.4b ¶610690147
NEIC V 12 19 49 47.1–2.3 19.42S–.09 176.1W–.10 274–13 4.2b
IDC V 12 19 49 54.5–3.7 19.50S 176.71W 315–27 4.5,3.8b
ISC Event type se.
NOU Tonga Islands.

NEIC Event type se. Error ellipse: s-maj=17.1km s-min=8.9km az=53.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=44.9km s-min=27.9km az=55.0.
ISC V 12 21 14 51.6–.99 19.8S–.20 177.5W–.10 550 4.0b 28 5-87
NEIC V 12 21 14 51.8–.78 19.8S–.30 177.5W–.20 548–24 4.1b **¶610690151**
IDC V 12 21 14 54.5–6.0 19.57S 177.92W 561–35 4.0,3.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=42.2km s-min=22.9km az=197.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=122.9km s-min=74.7km az=136.0.
ISC V 13 03 56 11.5–1.5 20.3S–.40 179.6W–.30 650 3.7b 8 3-142
IDC V 13 03 56 12.1–2.9 20.19S 179.64W 652–25 4.1,3.1b **¶610690170**
ISC Event type ke.
IDC Error ellipse: s-maj=89.7km s-min=20.5km az=148.0.
ISC V 13 19 04 02.4–.44 20.13S–.07 178.87W–.08 650 4.2b 103 4-173
NOU V 13 19 04 00.5 19.92S 178.49W 665 4.2b **¶610690210**
NEIC V 13 19 04 02.1–1.4 20.1S–.10 178.73W–.06 648–8 4.3b
IDC V 13 19 04 05.3–2.0 20.08S 179.02W 680–26 4.2,3.2b
ISC Event type se.
NOU Fiji Islands Region.
NEIC Event type se. Error ellipse: s-maj=17.0km s-min=6.6km az=194.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=13.4km s-min=11.5km az=148.0.
IDC V 14 10 58 14.8–7.3 18.98S 176.67W 0 3.1,3.1b
¶610690267
IDC Error ellipse: s-maj=312.0km s-min=116.8km az=153.0.
IDC V 14 15 11 17.5–6.1 21.39S 178.57W 0 4.0,4.0b
¶610690284
IDC Error ellipse: s-maj=290.9km s-min=92.2km az=157.0.
ISC V 14 22 15 31.3–.82 20.4S–.20 177.7W–.10 450 3.8b 23 9-150
IDC V 14 22 15 32.8–1.8 20.46S 177.59W 474–22 4.3,3.3b **¶610690302**
ISC Event type ke.
IDC Error ellipse: s-maj=27.3km s-min=13.0km az=139.0.
IDC V 15 18 15 27.2–40 19.24S 177.45W 428–341 3.9,3.1b
¶610690347
IDC Error ellipse: s-maj=301.2km s-min=135.2km az=120.0.
IDC V 15 22 06 06.5–1.4 18.94S 177.96W 0 4.4L,3.9
¶610690361
IDC Error ellipse: s-maj=51.1km s-min=27.2km az=139.0.
ISC V 15 22 55 38.5–.94 17.7S–.20 176.7W–.20 450 3.2b 7 46-148
IDC V 15 22 55 39.6–13 17.74S 176.65W 462–155 3.7,2.9b **¶610690366**
ISC Event type ke.
IDC Error ellipse: s-maj=41.5km s-min=33.0km az=84.0.
IDC V 16 04 34 09.7–7.5 18.96S 177.26W 0 3.8,3.8b
¶610690382
IDC Error ellipse: s-maj=301.6km s-min=119.6km az=153.0.
ISC V 16 12 14 07.8–.51 18.0S–.10 178.16W–.10 590 4.1b 143 4-150
IDC V 16 12 14 08.7–2.1 18.30S 178.15W 604–27 4.3,3.5b **¶610690416**
NEIC V 16 12 14 08.4–1.8 17.9S–.10 178.1W–.20 594–8 4.2b,3.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC V 16 14 23 26.5–2.6 18.16S 177.56W 0 3.9,3.9b
¶610690426
IDC Error ellipse: s-maj=270.8km s-min=33.4km az=159.0.
IDC V 16 22 05 59.2–3.4 18.48S 175.14E 0 4.0,4.0b
¶610690446
IDC Error ellipse: s-maj=196.1km s-min=29.2km az=152.0.
ISC V 17 12 30 07.8–1.7 17.6S–.40 178.8W–.30 539 4.0b 9 33-87
IDC V 17 12 30 11.7–8.0 17.65S 178.85W 584–89 4.3,3.3b **¶610690494**
ISC Event type ke.
IDC Error ellipse: s-maj=60.1km s-min=36.7km az=135.0.
IDC V 17 16 42 27.9–6.7 14.55S 176.14W 0 4.0,4.0b
¶610690501
IDC Error ellipse: s-maj=391.7km s-min=94.2km az=150.0.
IDC V 17 16 58 42.9–3.2 14.12S 176.44W 0 3.9,3.9b
¶610690503
IDC Error ellipse: s-maj=416.1km s-min=33.8km az=156.0.
ISC V 17 17 08 03.8–.71 20.7S–.10 177.7W–.10 500 4.0b 38 5-150
IDC V 17 17 07 04.1–2.0 21.88S 177.72W 0 4.0,4.0b **¶610690505**
NEIC V 17 17 08 02.2–1.5 20.9S–.20 177.53W–.08 480–12 4.3b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 17 17 58 51.8–1.8 15.0S–.70 176.4W–.40 17 4.1s,4.0b 9 24-145
IDC V 17 17 58 49.3–1.8 14.95S 176.38W 0 4.0,4.0b **¶617195098**
ISC Event type ke.
IDC Error ellipse: s-maj=124.9km s-min=23.1km az=152.0.
IDC V 17 18 15 01.0–2.0 14.93S 176.17W 0 3.8,3.8b
¶610690514
IDC Error ellipse: s-maj=144.4km s-min=23.6km az=151.0.
IDC V 17 18 55 55.7–55 16.81S 176.95W 0 3.7,3.7b
¶610690517
IDC Error ellipse: s-maj=1021.0km s-min=173.3km az=78.0.
IDC V 17 18 58 25.0–2.6 14.95S 176.08W 0 3.7,3.7b
¶610690518
IDC Error ellipse: s-maj=260.1km s-min=28.1km az=154.0.
IDC V 17 20 28 32.3–7.0 14.83S 176.14W 0 3.7,3.7b
¶610690522
IDC Error ellipse: s-maj=450.4km s-min=91.6km az=151.0.
IDC V 17 21 49 51.2–2.6 14.80S 176.98W 0 3.5s,3.5
¶610690528
IDC Error ellipse: s-maj=250.7km s-min=28.3km az=154.0.
IDC V 17 22 56 03.5–1.6 16.66S 177.54W 0 3.9,3.9b
¶610690534
IDC Error ellipse: s-maj=109.4km s-min=24.8km az=151.0.
IDC V 18 00 34 20.3–6.7 14.61S 176.24W 0 4.1,4.1b
¶610690536
IDC Error ellipse: s-maj=410.2km s-min=91.1km az=150.0.
ISC V 18 01 36 49.1–.48 20.65S–.09 177.95W–.09 534 4.3b 182 5-173
BGR V 18 01 35 45.2 23.13S 176.13W 33 4.3b **¶610646298**
NEIC V 18 01 36 50.2–1.6 20.6S–.10 178.0W–.10 543–7 4.3b
IDC V 18 01 36 52.3–2.0 20.70S 178.00W 567–23 4.5,3.6b
ISC Event type se.
BGR Event type ke.
NEIC Event type se. Error ellipse: s-maj=23.5km s-min=5.2km az=136.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=21.8km s-min=10.5km az=155.0.
ISC V 18 04 04 41.3–1.9 14.6S–.70 176.4W–.40 35 3.9b,3.6s 6 17-92
IDC V 18 04 04 36.0–1.9 14.59S 176.35W 0 3.9,3.9b **¶610690543**
ISC Event type ke.
IDC Error ellipse: s-maj=129.1km s-min=23.9km az=151.0.
ISC V 18 04 33 33.9–1.6 15.2S–.50 176.4W–.30 300 3.6b 9 14-155
IDC V 18 04 33 00.0–1.7 14.77S 176.24W 0 3.9,3.9b **¶610690545**
ISC Event type ke.
IDC Error ellipse: s-maj=99.8km s-min=23.8km az=151.0.
ISC V 18 04 41 35.6–1.8 14.4S–.70 176.4W–.40 35 3.7b,3.4s 7 24-144
IDC V 18 04 41 30.3–1.9 14.37S 176.41W 0 3.8,3.8b **¶610690546**
ISC Event type ke.
IDC Error ellipse: s-maj=126.4km s-min=23.3km az=151.0.
IDC V 18 05 04 21.2–7.5 18.56S 176.47W 0 3.6,3.6b
¶610690548
IDC Error ellipse: s-maj=305.1km s-min=120.6km az=152.0.
IDC V 18 06 08 02.7–7.7 19.02S 177.23W 0 3.5,3.5b
¶610690551
IDC Error ellipse: s-maj=330.8km s-min=42.9km az=144.0.
IDC V 18 07 53 57.2–2.9 14.29S 176.48W 0 3.8,3.8b
¶610690562
IDC Error ellipse: s-maj=302.4km s-min=27.5km az=154.0.
IDC V 18 07 55 29.5–5.0 14.86S 176.33W 0 3.8,3.8b
¶610690563
IDC Error ellipse: s-maj=405.4km s-min=33.8km az=151.0.
ISC V 18 07 59 12.9–.91 14.6S–.30 176.4W–.30 35 3.8b 8 47-84
IDC V 18 07 59 07.4–.89 14.58S 176.36W 0 3.8,3.8b **¶610690564**
ISC Event type ke.
IDC Error ellipse: s-maj=45.1km s-min=22.1km az=142.0.
ISC V 18 08 04 44.1–1.8 14.8S–.70 176.2W–.40 35 4.4s,4.1b 8 15-144
IDC V 18 08 04 39.0–1.8 14.66S 176.17W 0 4.4s,4.1 **¶610690568**
GCMT V 18 08 04 48.0–.20 14.66S–.01 175.91W–.01 12 5.1W,4.1
ISC Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.
Surface-wave location. Triangular moment-rate function. Moment Tensor Solution. s63,c75;
s136,c204;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-5.64±.09 $M_{\theta\theta}$2.99±.10;
$M_{\phi\phi}$2.65±.09; $M_{r\theta}$0.67±.33; $M_{\theta\phi}$2.72±.08; $M_{\phi r}$0.27±.29; Best double couple: NP1:ϕ_s229.00000°
,δ48.00000°,λ-87.00000°. NP2:ϕ_s44.00000°,δ42.00000°,λ-94.00000°. Principal axes:
T 5.5850,Plg3.0000°,Azm317.0000°; N 0.1060,Plg3.0000°,Azm47.0000°
; P -5.6920,Plg86.0000°,Azm174.0000° $M_0$5.63800×10^{16}
IDC V 18 08 41 37.1–3.0 14.83S 176.29W 0 4.0,4.0b
¶610690573
IDC Error ellipse: s-maj=280.9km s-min=23.0km az=153.0.
ISC V 18 09 02 14.3–1.8 14.3S–.70 176.5W–.40 35 3.9b,3.3s 8 17-143
IDC V 18 09 02 09.1–1.7 14.31S 176.49W 0 3.9,3.9b **¶610690576**
ISC Event type ke.
IDC Error ellipse: s-maj=118.6km s-min=21.4km az=151.0.
IDC V 18 09 07 58.2–7.7 13.99S 176.50W 0 3.8,3.8b
¶610690577
IDC Error ellipse: s-maj=463.0km s-min=105.6km az=150.0.
ISC V 18 10 23 23.8–2.8 15.0S–1.0 176.3W–.60 17 3.4b,3.3s 6 26-144
IDC V 18 10 23 21.9–3.0 14.76S 176.40W 0 3.5,3.5b **¶610690588**
ISC Event type ke.
IDC Error ellipse: s-maj=189.8km s-min=26.9km az=148.0.
ISC V 18 15 14 48.6–.83 14.8S–.20 176.4W–.20 35 4.4b,3.6s 40 5-92
IDC V 18 15 14 44.8–1.8 14.47S 176.40W 0 4.0,4.0b **¶610690605**
NEIC V 18 15 14 44.6–2.2 14.9S–.20 176.2W–.10 10–1 4.5b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 18 23 48 13.0–.53 18.8S–.10 177.84W–.09 600 4.2b 78 4-151
IDC V 18 23 48 12.6–1.6 18.96S 177.77W 598–16 4.3,3.4b **¶610690628**
NEIC V 18 23 48 12.8–1.5 18.9S–.20 177.8W–.20 586–12 4.2b,3.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC V 19 02 10 13.6–40 17.78S 177.87W 575–34 3.9,3.0b
¶610690637
IDC Error ellipse: s-maj=728.1km s-min=111.0km az=83.0.
ISC V 19 07 40 40.7–1.8 14.4S–.70 176.5W–.40 35 3.7b,3.1s 7 5-143
IDC V 19 07 40 35.5–1.9 14.33S 176.47W 0 3.8,3.8b **¶610690652**
ISC Event type ke.
IDC Error ellipse: s-maj=137.5km s-min=23.2km az=151.0.
IDC V 19 16 05 24.7–8.1 20.23S 178.57W 559–50 3.8,3.0b
¶610690683
IDC Error ellipse: s-maj=196.5km s-min=46.1km az=144.0.
IDC V 19 16 53 08.3–2.5 14.48S 176.36W 0 4.0,4.0b
¶610690687
IDC Error ellipse: s-maj=230.6km s-min=23.6km az=153.0.
IDC V 19 17 37 57.4–8.1 15.13S 176.23W 0 3.8b,3.7
¶610690689
IDC Error ellipse: s-maj=473.5km s-min=41.4km az=145.0.
ISC V 20 10 47 31.4–.36 20.51S–.07 178.21W–.07 550 4.4b 459 4-173
BGR V 20 10 46 21.2 23.20S 176.81W 33 4.4b **¶610667708**
NEIC V 20 10 47 30.6–1.7 20.4S–.10 178.2W–.10 529–7 4.4b
IDC V 20 10 47 32.5–1.3 20.43S 178.40W 553–13 4.5,3.6b
ISC Event type se.
BGR Event type ke.
NEIC Event type se. Error ellipse: s-maj=18.9km s-min=15.1km az=149.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=17.3km s-min=10.1km az=148.0.
ISC V 20 18 17 27.2–1.1 16.7S–.30 179.6W–.20 550 3.7b 20 2-86
IDC V 20 18 17 27.6–1.7 16.73S 179.45W 553–18 3.9,3.0b **¶610685041**
NEIC V 20 18 17 27.9–1.4 16.6S–.30 179.5W–.30 555–22 4.1b,3.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC V 21 00 36 44.6–4.8 14.42S 176.46W 0 3.7s,3.5
¶610685053
IDC Error ellipse: s-maj=399.5km s-min=36.7km az=151.0.
ISC V 21 03 46 56.3–2.6 14S–2.0 176.9W–.80 35 3.8b 6 5-143
IDC V 21 03 46 51.0–2.8 13.58S 176.82W 0 3.9,3.9b **¶610685061**
ISC Event type ke.
IDC Error ellipse: s-maj=275.2km s-min=23.1km az=153.0.
ISC V 21 08 37 00.8–.59 20.4S–.10 178.5W–.10 587 4.0b 47 4-150
IDC V 21 08 36 59.2–2.2 20.40S 178.48W 568–26 4.0,3.0b **¶610685073**
NEIC V 21 08 37 02.8–1.4 20.36S–.07 178.6W–.20 598–9 4.1b,3.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC V 21 09 22 36.5–2.8 19.21S 179.64W 0 3.5,3.5b
¶610685077
IDC Error ellipse: s-maj=290.9km s-min=36.1km az=161.0.
ISC V 21 15 54 21.0–.99 18.4S–.20 177.8W–.20 600 4.0b 27 4-85
NEIC V 21 15 54 20.7–.46 18.4S–.20 177.7W–.20 600–11 4.1b **¶610685090**
IDC V 21 15 54 22.7–4.2 18.38S 177.98W 602–26 4.3,3.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=24.8km s-min=22.0km az=118.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=102.6km s-min=56.9km az=148.0.
IDC V 21 16 53 20.9–5.5 14.28S 176.50W 0 3.7,3.7b
¶610685092
IDC Error ellipse: s-maj=468.9km s-min=35.0km az=151.0.
ISC V 21 19 44 07.9–.88 14.8S–.20 176.0W–.20 35 3.9b 8 4-144
IDC V 21 19 44 02.5–.94 14.73S 176.17W 0 3.9,3.9b **¶610685099**
GCMT V 21 19 44 05.0–.50 14.49S–.03 175.77W–.04 22–1 4.9W,3.9b
ISC Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.
Surface-wave location. Triangular moment-rate function. Moment Tensor Solution. s14,c16;
s70,c95;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.81±.21 $M_{\theta\theta}$2.07±.14; $M_{\phi\phi}$0.73±.12;
$M_{r\theta}$0.68±.20; $M_{\theta\phi}$0.87±.06; $M_{\phi r}$-0.27±.18; Best double couple: NP1:ϕ_s253.00000°,δ51.00000°
,λ-78.00000°. NP2:ϕ_s55.00000°,δ40.00000°,λ-104.00000°. Principal axes:
T 2.5490,Plg5.0000°,Azm335.0000°; N 0.3940,Plg9.0000°,Azm66.0000°
; P -2.9440,Plg79.0000°,Azm215.0000° $M_0$2.74700×10^{16}
ISC V 21 21 05 07.3–1.7 21.1S–.60 178.2W–.30 495 3.6b 10 37-151
IDC V 21 21 05 00.1–9.6 21.00S 177.96W 412–96 3.9,3.2b **¶610685102**
ISC Event type ke.
IDC Error ellipse: s-maj=99.5km s-min=40.9km az=162.0.
ISC V 21 22 23 31.6–.40 20.83S–.08 178.55W–.08 600 4.2b 250 4-172
NOU V 21 22 23 28.3 20.47S 177.95W 625 4.5b **¶610646373**
NEIC V 21 22 23 31.8–1.5 20.7S–.10 178.5W–.20 592–8 4.3b
IDC V 21 22 23 32.3–.63 20.72S 178.67W 602–6 4.6,3.7b
ISC Event type se.
NOU Fiji Islands Region.
NEIC Event type se. Error ellipse: s-maj=23.6km s-min=15.2km az=119.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=13.4km s-min=9.0km az=152.0.
IDC V 21 22 25 04.8–2.2 14.09S 176.05W 0 4.2,4.2b

¶610685107
IDC Error ellipse: s-maj=207.5km s-min=31.8km az=171.0.
ISC V 21 23 39 24.0–1.0 20.0S–.20 177.9W–.10 569 4.0b 20 4-70
NEIC V 21 23 39 24.4–1.3 20.0S–.30 177.78W–.04 572–21 4.1b **¶610685110**
IDC V 21 23 39 25.4–9.7 20.16S 178.06W 568–61 4.2,3.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=43.9km s-min=5.0km az=184.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=238.1km s-min=36.8km az=58.0.
IDC V 22 08 18 41.4–2.6 15.90S 179.14W 0 3.4,3.4b
¶610685150
IDC Error ellipse: s-maj=330.8km s-min=34.7km az=158.0.
ISC V 22 09 20 53.4–.76 20.1S–.20 177.8W–.10 550 3.6b 20 5-150
IDC V 22 09 20 53.9–1.6 20.03S 177.86W 554–16 4.1,3.2b **¶610685153**
ISC Event type ke.
IDC Error ellipse: s-maj=29.2km s-min=14.6km az=145.0.
ISC V 22 16 01 05.2–2.3 19.0S–.30 178.5W–.30 600 3.9b 15 3-87
IDC V 22 16 00 58.8–6.1 19.51S 177.64W 566–54 3.8,2.9b **¶610685165**
NEIC V 22 16 01 06.3–1.3 19.2S–.30 178.6W–.20 585–20 4.0b,2.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 22 23 43 27.0–.43 16.3S–.10 178.46W–.08 450 4.2b 137 1-177
NOU V 22 23 43 24.1 16.24S 178.02W 457 4.5b **¶610685187**
NEIC V 22 23 43 25.6–1.9 16.4S–.10 178.4W–.10 431–8 4.2b
IDC V 22 23 43 27.6–.97 16.20S 178.61W 451–9 4.4,3.6b
ISC Event type se.
NOU Fiji Islands Region.
NEIC Event type se. Error ellipse: s-maj=23.1km s-min=15.2km az=141.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=22.7km s-min=9.5km az=149.0.
ISC V 23 01 51 51.6–.97 19.1S–.20 177.5W–.20 570 4.0b 12 8-90
IDC V 23 01 51 51.1–1.9 19.17S 177.57W 555–32 4.2,3.1b **¶610685190**
ISC Event type ke.
IDC Error ellipse: s-maj=30.4km s-min=24.8km az=59.0.
ISC V 23 12 51 23.5–.36 21.34S–.05 177.91W–.07 450 4.3b 237 5-172
NOU V 23 12 51 23.7 21.33S 177.82W 460 4.5b **¶610650677**
NEIC V 23 12 51 24.1–2.1 21.3S–.10 177.9W–.10 451–6 4.4b
IDC V 23 12 51 25.3–1.7 21.23S 178.07W 461–16 4.4,3.6b
ISC Event type se.
NOU Fiji Islands Region.
NEIC Event type se. Error ellipse: s-maj=18.4km s-min=15.2km az=98.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=18.3km s-min=12.6km az=121.0.
ISC V 23 13 34 08.3–1.3 20.8S–.20 179.3W–.20 650 3.4b 12 4-143
IDC V 23 13 34 07.6–1.7 20.97S 179.34W 629–17 4.0,2.8b **¶610685221**
ISC Event type ke.
IDC Error ellipse: s-maj=33.2km s-min=23.2km az=3.0.
IDC V 23 14 46 32.1–4.1 18.04S 178.21W 609–24 3.5,2.5b
¶610685228
IDC Error ellipse: s-maj=156.1km s-min=23.4km az=147.0.
ISC V 23 14 53 00.7–2.5 20.8S–.20 178.1W–.30 495 4.1b 19 5-143
IDC V 23 14 52 58.0–7.3 20.51S 177.54W 511–48 4.1,3.2b **¶610685229**
NEIC V 23 14 53 01.8–.56 21.0S–.60 178.3W–.40 481–32 4.2b,3.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 24 09 48 34.2–.44 18.17S–.09 179.25W–.08 622 4.4b 150 2-152
NEIC V 24 09 48 34.1–1.4 18.2S–.10 179.3W–.10 608–7 4.5b **¶610667730**
IDC V 24 09 48 36.3–.84 18.17S 179.34W 646–7 4.7,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.2km s-min=15.3km az=135.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=19.9km s-min=11.1km az=139.0.
ISC V 24 11 01 14.0–1.4 17.4S–.50 179.8W–.30 650 3.3b 8 2-87
IDC V 24 11 01 13.6–1.8 17.36S 179.75W 641–19 3.9,2.9b **¶610685292**
ISC Event type ke.
IDC Error ellipse: s-maj=92.8km s-min=18.2km az=153.0.
ISC V 24 21 38 33.0–.97 18.1S–.20 178.0W–.10 625 4.2b 25 4-86
NEIC V 24 21 38 32.9–1.1 18.1S–.20 177.9W–.10 625–14 4.3b **¶610685322**
IDC V 24 21 38 33.4–2.6 17.89S 178.08W 624–23 4.2,3.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=26.9km s-min=15.5km az=153.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=105.8km s-min=28.3km az=154.0.
ISC V 25 19 13 50.3–1.4 19.7S–.40 177.5W–.20 550 3.2b 10 5-147
IDC V 25 19 13 52.8–3.8 19.25S 177.78W 569–29 3.6,2.7b **¶610685388**
ISC Event type ke.
IDC Error ellipse: s-maj=112.6km s-min=20.1km az=152.0.
IDC V 26 04 03 24.9–9.8 16.87S 176.31E 0 4.1,4.1b
¶610685405
IDC Error ellipse: s-maj=194.7km s-min=105.3km az=111.0.
ISC V 26 06 27 30.9–.29 21.06S–.04 178.75W–.04 567–2 5.0b 1075 3-172
BJI V 26 06 27 28.8–.00 20.97S 178.32W 563 4.9b,4.8b **¶610654537**
NOU V 26 06 27 30.4 21.07S 178.60W 565 4.8L,4.8b
NEIC V 26 06 27 30.5–2.1 21.04S–.10 178.7W–.10 562–6 5.0b,4.8b
MOS V 26 06 27 31.3–.94 20.97S 178.88W 574 5.0b,4.8b
IDC V 26 06 27 32.2–.47 21.04S 178.88W 576–4 5.1,4.2b
BGR V 26 06 27 33.9 21.00S 178.37W 591–1 5.1,4.2b
GCMT V 26 06 27 34.5–.30 20.81S–.03 178.99W–.03 580–2 5.3W,4.2b
ISC Event type ke.
NOU Fiji Islands Region.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BGR Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. Moment Tensor
Solution. s78,c103;Duration: 1$\S$1 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.51±.03 $M_{\theta\theta}$0.62±.04;
$M_{\phi\phi}$-0.10±.05; $M_{r\theta}$-0.71±.04; $M_{\theta\phi}$0.12±.04; $M_{\phi r}$-0.58±.04; Best double couple: NP1:
ϕ_s56.00000°,δ76.00000°,λ-106.00000°. NP2:ϕ_s285.00000°,δ22.00000°,λ-42.00000°.
Principal axes: T 1.0790,Plg29.0000°,Azm159.0000°; N 0.0140,Plg16.0000°,Azm60.0000°
; P -1.0930,Plg56.0000°,Azm304.0000° $M_0$1.08600×10^{17}
ISC V 26 14 24 23.2–.96 17.7S–.20 178.6W–.10 550 4.3b 22 3-72
NEIC V 26 14 24 23.8–1.2 17.6S–.20 178.6W–.20 560–16 4.3b **¶610685434**
IDC V 26 14 24 25.8–4.2 17.56S 178.92W 565–19 4.1,3.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=35.1km s-min=22.8km az=184.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=110.0km s-min=71.5km az=148.0.
ISC V 26 17 05 20.8–3.1 18.1S–.40 180.0W–.40 500 3.8b 16 2-60
NEIC V 26 17 05 21.9–1.3 18.3S–.40 180.0W–.30 495–18 3.8b **¶610685441**
IDC V 26 17 05 26.2–9.8 18.54S 179.18E 466–50 4.0,3.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=58.9km s-min=33.6km az=201.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=232.2km s-min=93.4km az=96.0.
IDC V 27 03 52 53.3–65 17.91S 176.02W 372–170 4.2,3.5b
¶610685474
IDC Error ellipse: s-maj=906.3km s-min=126.8km az=78.0.
IDC V 27 04 03 35.5–2.7 19.26S 177.08W 0 3.6,3.6b
¶610685476
IDC Error ellipse: s-maj=275.0km s-min=34.5km az=160.0.
IDC V 27 07 14 27.4–9.2 19.18S 177.92W 552–49 3.9,2.9b
¶610685484
IDC Error ellipse: s-maj=238.8km s-min=101.8km az=149.0.
IDC V 27 10 26 07.3–2.4 17.72S 178.39W 642–22 4.1,3.1b
¶610685490
IDC Error ellipse: s-maj=128.6km s-min=24.8km az=156.0.
ISC V 27 21 03 29.9–1.5 17.8S–.30 178.3W–.20 579 3.5b 10 3-145
IDC V 27 21 03 31.9–2.3 17.82S 178.52W 602–19 4.0,3.1b **¶610685519**
ISC Event type ke.
IDC Error ellipse: s-maj=50.9km s-min=21.5km az=140.0.
IDC V 28 23 24 59.7–18 19.47S 176.14W 345–184 3.7,3.0b
¶610685576
IDC Error ellipse: s-maj=163.7km s-min=44.9km az=149.0.
ISC V 29 00 02 40.5–.48 21.35S–.08 178.6W–.10 580 4.3b 158 5-154
NEIC V 29 00 02 39.4–2.0 21.36S–.06 178.6W–.20 555–7 4.6b **¶610667748**
IDC V 29 00 02 41.1–1.7 21.18S 178.78W 580–19 4.4,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=22.2km s-min=6.5km az=108.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=19.4km s-min=13.9km az=129.0.
ISC V 29 05 33 42.2–.54 15.2S–.10 176.1W–.10 10 4.6b,4.0s 104 4-148
IDC V 29 05 33 41.3–1.4 15.19S 175.93W 0 4.1,4.1b **¶610685590**
NEIC V 29 05 33 42.9–1.5 15.2S–.10 176.1W–.10 10–1 4.6b,4.1b
GCMT V 29 05 33 48.9–.30 14.57S–.02 175.89W–.02 18–1 4.9W,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function. Moment Tensor Solution. s27,c30; s91,c108;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-1.60±.14 $M_{\theta\theta}$2.62±.14; $M_{\phi\phi}$-1.02±.09; $M_{r\theta}$-0.54±.23;
$M_{\theta\phi}$1.71±.07; $M_{\phi r}$0.05±.20; Best double couple: NP1:ϕ_s104.00000°,δ66.00000°,λ-36.00000°.
NP2:ϕ_s210.00000°,δ57.00000°,λ-151.00000°. Principal axes: T 3.3450,Plg6.0000°
,Azm159.0000°; N -1.4230,Plg48.0000°,Azm255.0000°; P -1.9220,Plg42.0000°
,Azm64.0000° $M_0$2.63300×10^{16}
ISC V 29 08 30 15.2–.51 18.07S–.10 177.80W–.09 618 4.2b 127 1-154
NOU V 29 08 30 14.2 18.03S 177.63W 632 4.3b **¶610685601**
NEIC V 29 08 30 15.7–1.6 17.9S–.20 177.9W–.10 618–8 4.2b
IDC V 29 08 30 16.1–1.0 18.25S 177.84W 640–11 4.3,3.3b
ISC Event type se.
NOU Fiji Islands Region.
NEIC Event type se. Error ellipse: s-maj=24.3km s-min=17.0km az=149.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=18.3km s-min=12.7km az=132.0.
IDC V 29 11 13 15.8–53 14.18S 179.53W 0 4.0,4.0b
¶610685609
IDC Error ellipse: s-maj=968.5km s-min=165.3km az=74.0.
ISC V 29 22 57 33.0–1.4 17.3S–.40 178.6W–.20 547 3.4b 10 3-144
IDC V 29 22 57 33.8–1.9 17.47S 178.61W 561–20 3.9,3.0b **¶610685673**
ISC Event type ke.
IDC Error ellipse: s-maj=56.8km s-min=18.4km az=153.0.
IDC V 30 02 27 56.8–7.5 19.37S 177.37W 0 3.7,3.7b
¶610685684
IDC Error ellipse: s-maj=336.9km s-min=116.9km az=154.0.
ISC V 30 08 02 12.5–.52 17.48S–.09 178.69W–.08 547 4.3b 78 1-147
NOU V 30 08 02 12.1 17.47S 178.48W 556 4.3b **¶610685706**
NEIC V 30 08 02 13–1.5 17.4S–.20 178.7W–.10 555–17 4.5b
IDC V 30 08 02 15.2–.97 17.45S 178.95W 567–9 4.2,3.3b
ISC Event type se.
NOU Fiji Islands Region.
NEIC Event type se. Error ellipse: s-maj=31.3km s-min=18.1km az=198.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=21.7km s-min=12.8km az=144.0.
ISC V 30 13 44 38.9–.47 17.99S–.10 178.21W–.08 590 4.0b 91 4-151
NEIC V 30 13 44 38.3–1.6 18.0S–.10 178.1W–.10 583–9 4.1b **¶610685724**
IDC V 30 13 44 40.2–1.7 17.95S 178.28W 597–19 4.1,3.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.1km s-min=16.2km az=146.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=26.4km s-min=15.4km az=137.0.
ISC V 30 14 57 06.1–.40 21.46S–.06 176.52W–.07 200 4.5b 224 6-172
NOU V 30 14 57 03.3 21.51S 176.35W 178 4.7b **¶610656122**
NEIC V 30 14 57 05.0–1.2 21.4S–.10 176.6W–.10 182–7 4.6b
IDC V 30 14 57 11.0–3.1 21.42S 176.80W 233–27 4.6,4.0b
ISC Event type se.
NOU Fiji Islands Region.
NEIC Event type se. Error ellipse: s-maj=16.7km s-min=15.2km az=201.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=20.4km s-min=14.7km az=99.0.
ISC V 30 18 56 20.3–.50 19.60S–.09 177.51W–.09 550 4.2b 74 5-149
IDC V 30 18 56 20.5–1.3 19.69S 177.56W 549–15 4.3,3.3b **¶610685736**
NEIC V 30 18 56 20.7–1.6 19.7S–.10 177.41W–.08 559–8 4.4b,3.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC V 30 21 04 13.7–59 18.57S 176.68W 0 3.6,3.6b
¶610685746
IDC Error ellipse: s-maj=1087.0km s-min=184.1km az=81.0.
IDC V 31 00 42 21.8–2.2 17.52S 177.83W 0 3.8,3.8b
¶610685758
IDC Error ellipse: s-maj=143.1km s-min=27.5km az=152.0.
ISC V 31 09 07 09.1–.40 20.37S–.08 177.57W–.07 500 4.3b 107 5-173
NEIC V 31 09 07 09.8–1.2 20.4S–.10 177.6W–.10 507–8 4.3b **¶610685785**
IDC V 31 09 07 10.9–1.9 20.53S 177.69W 523–20 4.4,3.5b
NOU V 31 09 07 10.1 20.26S 177.49W 526 4.3b,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.9km s-min=17.1km az=151.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=19.1km s-min=14.1km az=112.0.
NOU Fiji Islands Region.
ISC V 31 13 17 34.3–1.7 18.9S–.50 177.6W–.30 570 3.2b 8 4-87
IDC V 31 13 17 33.5–3.0 19.19S 177.59W 562–24 3.7,2.7b **¶610685796**
ISC Event type ke.
IDC Error ellipse: s-maj=108.3km s-min=19.2km az=155.0.
IDC VI 01 00 24 36.0–4.2 15.67S 177.88W 0 4.5L,4.0b
¶610791023
IDC Error ellipse: s-maj=214.2km s-min=28.5km az=139.0.
ISC VI 01 06 24 34.8–.62 20.2S–.10 177.81W–.09 500 4.2b 32 5-148
NEIC VI 01 06 24 34.3–.87 20.2S–.10 177.7W–.10 494–12 4.4b **¶610791018**
IDC VI 01 06 24 38.9–3.6 19.85S 178.21W 533–30 4.0,3.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=23.3km s-min=12.8km az=145.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=92.9km s-min=18.4km az=148.0.
IDC VI 01 15 42 20.0–57 21.21S 177.74W 0 4.0,4.0b
¶610791060
IDC Error ellipse: s-maj=1050.0km s-min=168.3km az=84.0.
IDC VI 01 17 38 42.0–1.6 15.31S 179.43W 0 5.1L,3.7
¶610791063
IDC Error ellipse: s-maj=82.1km s-min=23.5km az=142.0.
IDC VI 02 01 20 15.3–3.2 17.39S 179.16W 565–17 4.1,3.2b
¶610791074
IDC Error ellipse: s-maj=152.9km s-min=36.6km az=150.0.
ISC VI 02 01 53 58.3–1.3 18.1S–.40 178.5W–.20 550 3.5b 9 3-148
IDC VI 02 01 54 00.7–2.0 17.60S 178.92W 572–12 4.0,3.1b **¶610791075**
ISC Event type ke.
IDC Error ellipse: s-maj=82.0km s-min=18.2km az=148.0.
ISC VI 02 06 11 49.1–.85 19.8S–.20 176.1W–.10 10 4.0s,3.9b 11 6-143

IDC VI 02 06 11 47.8–1.0 19.74S 176.12W 0 4.7L,4.0 ¶610791079
GCMT VI 02 06 11 54.0–.40 19.62S–.03 175.98W–.02 16–2 4.8W,4.0
ISC Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. Moment Tensor Solution. s11,c13; s68,c87;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.51±.15 $M_{\theta\theta}$-1.48±.10; $M_{\phi\phi}$1.99±.12; $M_{r\theta}$-0.92±.41; $M_{\theta\phi}$-0.39±.09; $M_{\phi r}$0.33±.28; Best double couple: NP1:ϕ_s133.00000°,δ76.00000°,λ-150.00000°. NP2:ϕ_s35.00000°,δ61.00000°,λ-16.00000°. Principal axes: T 2.1080,Plg10.0000°,Azm261.0000°; N -0.0690,Plg58.0000°,Azm155.0000°; P -2.0430,Plg31.0000°,Azm357.0000° $M_0$2.07600×10^{16}
ISC VI 02 21 36 42.1–.83 17.5S–.20 178.8W–.10 550 4.3b 20 3-90
NEIC VI 02 21 36 43.4–1.8 17.5S–.20 178.75W–.08 565–10 4.3b ¶610791123
IDC VI 02 21 36 44.1–4.5 17.60S 178.90W 563–19 4.2,3.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=34.9km s-min=9.7km az=172.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=108.0km s-min=76.3km az=147.0.
ISC VI 03 00 27 28.8–4.9 20.4S–.30 178.3W–.60 400 4.1b 18 4-44
NEIC VI 03 00 27 25.5–.43 20.0S–.30 177.7W–.20 415–5 4.2b ¶610791131
IDC VI 03 00 27 31.5–14 20.01S 178.50W 421–45 4.4,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=36.9km s-min=30.1km az=191.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=252.7km s-min=104.7km az=87.0.
ISC VI 03 15 09 53.1–.84 17.9S–.20 178.6W–.10 550 3.6b 13 3-148
IDC VI 03 15 09 53.4–1.4 17.98S 178.57W 537–15 4.1,3.2b ¶610791178
ISC Event type ke.
IDC Error ellipse: s-maj=24.3km s-min=20.7km az=7.0.
ISC VI 03 20 17 20.3–.70 20.6S–.20 178.1W–.10 550 3.9b 32 5-150
NEIC VI 03 20 17 20.9–1.6 20.6S–.20 178.1W–.10 550–10 4.1b ¶610791187
IDC VI 03 20 17 21.4–2.4 20.42S 178.11W 560–22 4.1,3.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=24.7km s-min=15.1km az=158.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=28.6km s-min=24.5km az=107.0.
IDC VI 03 21 18 43.4–50 19.57S 177.49W 0 4.1,4.1b
¶610791189
IDC Error ellipse: s-maj=927.0km s-min=167.2km az=82.0.
IDC VI 04 09 03 27.9–6.7 19.53S 176.49W 0 3.7,3.7b
¶610791221
IDC Error ellipse: s-maj=301.6km s-min=105.0km az=154.0.
ISC VI 04 09 07 21.2–.87 20.6S–.20 179.0W–.10 645 4.1b 29 4-143
NEIC VI 04 09 07 21.4–1.1 20.7S–.20 178.9W–.20 646–20 4.1b ¶610791222
IDC VI 04 09 07 22.2–2.0 20.55S 179.18W 645–18 4.2,3.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=35.3km s-min=24.9km az=195.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=37.5km s-min=36.1km az=13.0.
ISC VI 04 09 53 55.4–.46 17.5S–.10 178.57W–.08 547 4.3b 58 3-144
NEIC VI 04 09 53 55.6–1.7 17.4S–.20 178.6W–.10 550–10 4.3b ¶610661345
IDC VI 04 09 53 56.5–1.5 17.51S 178.70W 552–15 4.4,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=22.9km s-min=16.9km az=157.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=31.5km s-min=12.9km az=148.0.
ISC VI 04 19 58 02.7–1.5 18.2S–.30 178.4W–.30 650 3.8b 10 3-145
IDC VI 04 19 58 03.6–2.1 18.15S 178.42W 654–19 4.2,3.1b ¶610791253
ISC Event type ke.
IDC Error ellipse: s-maj=52.8km s-min=19.4km az=144.0.
ISC VI 05 11 53 02.6–.73 18.2S–.20 178.4W–.10 600 4.2b 31 3-88
NEIC VI 05 11 53 02.6–.98 18.3S–.10 178.3W–.20 598–12 4.3b ¶610791279
IDC VI 05 11 53 05.0–2.0 17.49S 178.83W 610–19 4.0,3.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=22.6km s-min=19.8km az=127.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=84.2km s-min=16.7km az=150.0.
ISC VI 05 11 55 44.1–1.2 18.3S–.20 179.1W–.20 550 4.3b 20 3-90
IDC VI 05 11 55 34.9–55 17.57S 177.72W 571–36 4.0,3.1b ¶610791280
NEIC VI 05 11 55 45.1–1.7 18.3S–.20 179.1W–.20 560–12 4.4b,3.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 05 16 05 01.6–.38 21.33S–.06 177.97W–.06 450 4.5b 306 5-154
NOU VI 05 16 05 01.0 20.92S 177.36W 505 4.7b ¶610662510
NEIC VI 05 16 05 02.6–2.5 21.4S–.10 178.0W–.10 459–6 4.4b
IDC VI 05 16 05 04.5–1.4 21.28S 178.13W 477–14 4.6,3.8b
ISC Event type se.
NOU Fiji Islands Region.
NEIC Event type se. Error ellipse: s-maj=17.1km s-min=15.6km az=131.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=14.7km s-min=10.7km az=142.0.
ISC VI 05 19 11 54.1–1.7 20.5S–.30 178.2W–.30 550 4.1b 26 5-150
NEIC VI 05 19 11 53.5–1.2 20.5S–.30 178.02W–.06 547–12 4.2b ¶610791298
IDC VI 05 19 11 54.6–6.1 20.44S 178.19W 549–40 4.0,3.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=42.4km s-min=6.8km az=185.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=126.1km s-min=24.5km az=139.0.
ISC VI 05 23 33 35.4–.45 21.41S–.07 178.13W–.07 450 4.4b 109 3-153
NOU VI 05 23 33 34.1 20.98S 177.65W 510 4.2b ¶616639993
NEIC VI 05 23 33 36.1–1.7 21.3S–.10 178.3W–.10 449–8 4.5b
IDC VI 05 23 33 37.9–1.7 21.26S 178.34W 478–16 4.3,3.5b
ISC Event type se.
NOU Fiji Islands Region.
NEIC Event type se. Error ellipse: s-maj=17.8km s-min=16.2km az=140.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=22.1km s-min=15.4km az=99.0.
ISC VI 05 23 49 47.5–1.0 19.8S–.20 178.1W–.20 569 4.0b 23 4-142
NEIC VI 05 23 49 47.8–.83 19.7S–.20 177.99W–.10 573–11 4.0b ¶616639994
IDC VI 05 23 49 51.3–9.2 19.51S 178.46W 582–53 3.8,2.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=23.5km s-min=12.4km az=195.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=260.7km s-min=97.6km az=150.0.
NOU VI 06 05 18 40.7 20.08S 176.18W 243 4.3b
¶612489957
NOU Fiji Islands Region.
IDC VI 06 08 28 45.1–2.7 19.66S 177.26W 0 4.0,4.0b
¶610791331
IDC Error ellipse: s-maj=274.8km s-min=33.2km az=160.0.
ISC VI 06 14 30 12.7–.77 20.0S–.10 177.2W–.10 400 3.9b 22 7-86
NEIC VI 06 14 30 13.5–2.2 20.0S–.10 177.2W–.20 400–10 4.2b ¶610791346
IDC VI 06 14 30 19.1–6.3 20.14S 177.23W 466–59 3.8,2.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.7km s-min=17.5km az=92.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=74.4km s-min=26.0km az=75.0.
ISC VI 07 06 03 33.9–1.3 18.0S–.30 178.6W–.20 579 3.6b 6 3-86
IDC VI 07 06 03 34.1–2.0 17.95S 178.64W 583–22 4.0,3.1b ¶610791377
ISC Event type ke.
IDC Error ellipse: s-maj=50.3km s-min=26.8km az=167.0.
ISC VI 07 09 05 25.8–1.0 17.8S–.30 178.6W–.20 550 3.5b 10 3-86
IDC VI 07 09 05 27.2–2.0 17.75S 178.71W 568–20 3.9,3.0b ¶610791398
ISC Event type ke.
IDC Error ellipse: s-maj=35.4km s-min=22.3km az=149.0.
ISC VI 07 21 07 45.8–.33 17.77S–.04 178.77W–.04 551–3 5.2b 1457 0-175
BGR VI 07 21 07 39.8 18.56S 178.74W 500 5.2b ¶615092691
BJI VI 07 21 07 43.6–.00 17.41S 178.36W 539 5.1b,4.8b
MOS VI 07 21 07 44.9–.94 17.64S 178.91W 543 5.0b,4.8b
NEIC VI 07 21 07 45.6–1.8 17.79S–.09 178.81W–.09 540–5 5.0b,4.8b
NOU VI 07 21 07 46.6 17.78S 178.74W 556 5.0L,4.8b
IDC VI 07 21 07 47.1–.50 17.75S 178.77W 562–5 5.2,4.3b
GCMT VI 07 21 07 48.6–.30 17.51S–.03 178.87W–.04 562–2 5.3W,4.3b
ISC Event type ke.
BGR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Fiji Islands Region.
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. Moment Tensor Solution. s78,c101;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.65±.03 $M_{\theta\theta}$-0.63±.05; $M_{\phi\phi}$-0.02±.05; $M_{r\theta}$0.09±.06; $M_{\theta\phi}$0.36±.05; $M_{\phi r}$0.70±.05; Best double couple: NP1: ϕ_s328.00000°,δ64.00000°,λ126.00000°. NP2:ϕ_s89.00000°,δ44.00000°,λ40.00000°. Principal axes: T 1.1350,Plg55.0000°,Azm286.0000°; N -0.2970,Plg32.0000°,Azm130.0000°; P -0.8380,Plg11.0000°,Azm33.0000° $M_0$0.98600×10^{17}
ISC VI 08 05 48 59.9–.82 20.7S–.10 177.6W–.10 550 4.4b 31 5-143
NEIC VI 08 05 48 58.8–.86 20.7S–.10 177.7W–.20 517–14 4.5b ¶610791440
IDC VI 08 05 48 59.9–2.4 20.79S 177.73W 529–19 4.2,3.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=23.7km s-min=15.6km az=75.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=33.0km s-min=26.1km az=114.0.
ISC VI 08 23 17 46.0–.78 17.6S–.10 178.4W–.10 600 4.4b 33 3-147
NEIC VI 08 23 17 46.7–1.0 17.6S–.20 178.4W–.20 600–12 4.4b ¶610791487
IDC VI 08 23 17 50.0–1.9 17.64S 178.85W 603–12 4.3,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=22.5km s-min=21.4km az=188.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=80.4km s-min=18.3km az=150.0.
ISC VI 08 23 48 36.1–.81 19.6S–.20 177.60W–.08 400 3.9b 37 5-70
IDC VI 08 23 48 35.3–12 19.62S 177.40W 406–37 4.1,3.4b ¶610791490
NEIC VI 08 23 48 36.9–1.4 19.5S–.20 177.57W–.09 415–19 4.0b,3.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 09 01 33 10.5–.34 17.23S–.07 176.80W–.06 35 5.3s,4.9b 215 5-157
NEIC VI 09 01 33 06.0–2.2 16.8S–.10 177.7W–.10 10–1 5.6,5.4 ¶610668113
NEIC VI 09 01 33 06.2 16.79S 177.72W 10 5.6,5.4
NEIC VI 09 01 33 06 16.84S 177.71W 20 5.6,5.4
NEIC VI 09 01 33 06 17.44S 176.46W 20 5.6,5.4
IDC VI 09 01 33 08.4–.73 17.21S 177.08W 0 5.2L,5.0s
GCMT VI 09 01 33 15.0–.10 17.22S–.01 176.74W–.01 16–0 5.6W,5.0s
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.08 $M_{\theta\theta}$-1.45 $M_{\phi\phi}$1.53 $M_{r\theta}$-0.50 $M_{\theta\phi}$0.21 $M_{\phi r}$-0.40 NP1:ϕ_s48.43000°,δ87.78000°,λ-23.08000°. NP2:ϕ_s139.38000°,δ66.94000°,λ-177.58000°. Principal axes: T 1.6572,Plg14.0000°,Azm96.0000°; N -0.0420,Plg67.0000°,Azm223.0000°; P -1.6152,Plg18.0000°,Azm2.0000° $M_0$1.64000×10^{17}
NEIC Event type se.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2s8 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.49 $M_{\theta\theta}$-2.00 $M_{\phi\phi}$2.48 $M_{r\theta}$0.59 $M_{\theta\phi}$1.50 $M_{\phi r}$0.52 NP1:ϕ_s241.51000°,δ89.28000°,λ-16.16000°. NP2:ϕ_s331.72000°,δ73.84000°,λ-179.25000°. Principal axes: T 3.0714,Plg11.0000°,Azm288.0000°; N -0.5273,Plg74.0000°,Azm59.0000°; P -2.5441,Plg12.0000°,Azm195.0000° $M_0$2.81000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s121,c223; s158,c317;Duration: 1s5 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.04±.03 $M_{\theta\theta}$-2.48±.03; $M_{\phi\phi}$2.52±.03; $M_{r\theta}$0.37±.09; $M_{\theta\phi}$1.25±.03; $M_{\phi r}$0.96±.10; Best double couple: NP1:ϕ_s60.00000°,δ80.00000°,λ15.00000°. NP2:ϕ_s327.00000°,δ75.00000°,λ169.00000°. Principal axes: T 3.1430,Plg18.0000°,Azm284.0000°; N -0.3610,Plg72.0000°,Azm93.0000°; P -2.7830,Plg3.0000°,Azm193.0000° $M_0$2.96300×10^{17}
IDC VI 09 02 04 06.3–7.6 16.61S 177.48W 0 3.6,3.6b
¶610791494
IDC Error ellipse: s-maj=382.9km s-min=45.0km az=141.0.
ISC VI 09 03 18 23.1–.78 17.6S–.20 178.8W–.20 600 4.2b 30 3-144
NEIC VI 09 03 18 24.1–1.4 17.6S–.20 178.8W–.20 610–11 4.2b ¶610791497
IDC VI 09 03 18 24.0–1.5 17.53S 178.84W 606–18 4.3,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=37.6km s-min=19.5km az=140.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=34.7km s-min=16.6km az=148.0.
ISC VI 09 09 32 05.2–.48 20.84S–.09 178.63W–.08 600 4.2b 65 4-150
NEIC VI 09 09 32 05.7–1.0 20.9S–.10 178.5W–.10 613–8 4.4b ¶610791527
IDC VI 09 09 32 06.5–1.7 20.79S 178.71W 614–19 4.3,3.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=22.0km s-min=18.3km az=155.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=19.2km s-min=14.6km az=119.0.
ISC VI 09 23 23 25.6–.50 17.7S–.10 179.85W–.08 600 4.2b 106 2-147
NOU VI 09 23 23 06.8 17.71S 177.73W 538 4.4b ¶610791560
NEIC VI 09 23 23 26.2–1.4 17.6S–.10 179.8W–.10 608–5 4.2b
IDC VI 09 23 23 27.9–.70 17.63S 179.98E 627–6 4.3,3.3b
ISC Event type se.
NOU Fiji Islands Region.
NEIC Event type se. Error ellipse: s-maj=19.9km s-min=14.1km az=139.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=21.7km s-min=12.6km az=143.0.
ISC VI 10 04 28 27.4–2.6 20.6S–.20 177.4W–.40 500 3.7b 6 5-143
IDC VI 10 04 28 26.9–3.3 20.68S 177.34W 486–26 4.0,3.1b ¶610791572
ISC Event type ke.
IDC Error ellipse: s-maj=55.1km s-min=33.6km az=63.0.
IDC VI 10 09 02 53.9–2.4 17.97S 176.47E 113–32 3.8,3.4b
¶610791587
IDC Error ellipse: s-maj=124.7km s-min=26.1km az=159.0.
IDC VI 10 09 58 38.3–3.9 19.28S 178.64W 580–28 3.8,2.9b
¶610791589
IDC Error ellipse: s-maj=124.6km s-min=24.2km az=152.0.
ISC VI 10 14 28 55.2–2.2 20.1S–.80 178.2W–.40 569 3.4b 6 44-146
IDC VI 10 14 28 55.1–10 20.13S 178.14W 566–120 3.8,2.9b ¶610791595
ISC Event type ke.
IDC Error ellipse: s-maj=129.6km s-min=44.2km az=158.0.
ISC VI 10 23 31 36.3–.82 21.5S–.20 179.2W–.10 602 4.2b 25 5-69
NEIC VI 10 23 31 37.2–1.1 21.4S–.20 179.2W–.10 611–15 4.2b ¶610791621
IDC VI 10 23 31 41.0–7.1 21.01S 179.75W 621–51 4.3,3.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=25.3km s-min=17.4km az=179.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=144.7km s-min=93.9km az=98.0.
IDC VI 11 04 24 09.9–7.5 19.96S 178.16W 0 3.5,3.5b
¶610791637
IDC Error ellipse: s-maj=353.4km s-min=113.2km az=155.0.
IDC VI 11 06 22 12.2–5.5 19.61S 176.90W 0 3.9,3.9b
¶610791641
IDC Error ellipse: s-maj=306.0km s-min=46.2km az=150.0.

IDC VI 11 17 25 24.6–7.7 19.19S 179.42W 666–37 3.4,2.3b ¶610791661
IDC Error ellipse: s-maj=257.3km s-min=93.0km az=147.0.
ISC VI 12 01 32 36.1–.64 20.7S–.10 178.4W–.10 550 4.0b 42 4-151
NEIC VI 12 01 32 37.0–1.1 21.0S–.10 178.5W–.20 545–14 4.1b **¶610791689**
IDC VI 12 01 32 38.4–2.0 20.39S 178.51W 575–20 4.3,3.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=29.5km s-min=11.8km az=68.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=24.7km s-min=18.6km az=132.0.
IDC VI 12 02 59 50.3–60 17.00S 176.67W 581–47 4.1,3.2b ¶610791692
IDC Error ellipse: s-maj=1008.0km s-min=124.1km az=78.0.
IDC VI 12 03 58 44.8–5.9 19.17S 178.65W 0 4.8L,4.1 ¶610791695
IDC Error ellipse: s-maj=117.5km s-min=49.5km az=59.0.
ISC VI 12 07 01 43.2–3.1 17.2S–.70 178.7W–.70 600 3.5b 5 3-147
IDC VI 12 07 01 46.3–1.9 17.62S 178.82W 616–18 3.9,2.9b **¶610791705**
ISC Event type ke.
IDC Error ellipse: s-maj=79.1km s-min=16.7km az=150.0.
ISC VI 12 20 00 28.0–1.5 17.0S–.30 178.5W–.10 550 4.2b 23 3-83
IDC VI 12 20 00 21.4–58 16.86S 177.42W 572–25 4.6,3.7b **¶610791740**
NEIC VI 12 20 00 29.2–.98 17.0S–.10 178.5W–.20 571–11 4.2b,3.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 13 10 31 58.5–1.8 17.8S–.50 178.3W–.30 600 3.5b 7 3-86
IDC VI 13 10 31 59.5–2.6 17.75S 178.38W 610–21 3.9,2.9b **¶610791770**
ISC Event type ke.
IDC Error ellipse: s-maj=80.8km s-min=22.3km az=146.0.
ISC VI 13 11 48 42.0–.35 18.03S–.05 178.39W–.05 580–3 4.8b 953 3-164
NOU VI 13 11 48 42.7 17.98S 178.34W 593 4.9L **¶610672782**
NEIC VI 13 11 48 42.3–2.0 17.91S–.10 178.50W–.10 570–6 4.8b
MOS VI 13 11 48 43.6–1.1 17.87S 178.63W 598 4.7b
IDC VI 13 11 48 43.6–.63 17.92S 178.50W 592–6 5.0,4.1b
ISC Event type se.
NOU Fiji Islands Region.
NEIC Event type se. Error ellipse: s-maj=15.4km s-min=12.4km az=140.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=10.6km s-min=8.8km az=52.2.
IDC Error ellipse: s-maj=13.8km s-min=8.8km az=141.0.
ISC VI 13 18 08 46.5–.91 19.2S–.20 177.4W–.10 450 3.9b 21 5-79
NEIC VI 13 18 08 47.0–1.3 19.1S–.20 177.4W–.20 462–17 4.0b **¶610791793**
IDC VI 13 18 08 48.3–20 19.38S 177.51W 464–42 4.0,3.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=31.1km s-min=22.7km az=198.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=352.4km s-min=117.6km az=77.0.
IDC VI 14 09 03 38.9–7.5 14.88S 177.18W 0 3.8,3.8b ¶610791850
IDC Error ellipse: s-maj=333.3km s-min=36.1km az=140.0.
ISC VI 14 09 50 04.8–.81 17.7S–.30 178.8W–.10 600 4.1b 28 3-144
NEIC VI 14 09 50 04.8–.96 18.0S–.30 178.7W–.10 582–14 4.1b **¶610791855**
IDC VI 14 09 50 05.3–2.1 17.37S 179.01W 583–19 4.2,3.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=42.9km s-min=8.7km az=162.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=117.2km s-min=24.9km az=157.0.
ISC VI 14 14 33 03.9–.99 20.4S–.10 177.3W–.10 500 4.0b 13 5-143
IDC VI 14 14 33 03.5–1.8 20.56S 177.22W 492–17 4.4,3.5b **¶610791872**
ISC Event type ke.
IDC Error ellipse: s-maj=31.6km s-min=23.9km az=141.0.
ISC VI 14 16 19 18.7–.57 17.8S–.10 178.6W–.10 579 4.1b 78 2-147
NOU VI 14 16 19 17.6 17.90S 178.43W 565 4.1b **¶610791875**
NEIC VI 14 16 19 18.2–1.1 17.8S–.20 178.6W–.10 570–10 4.2b
IDC VI 14 16 19 19.3–1.8 17.63S 178.83W 568–18 4.3,3.4b
ISC Event type se.
NOU Fiji Islands Region.
NEIC Event type se. Error ellipse: s-maj=26.6km s-min=16.0km az=143.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=54.4km s-min=15.3km az=147.0.
ISC VI 14 20 47 21.3–2.4 17.3S–.70 178.9W–.50 600 3.3b 7 3-147
IDC VI 14 20 47 22.1–2.6 17.68S 178.72W 610–22 3.6,2.8b **¶610791891**
ISC Event type ke.
IDC Error ellipse: s-maj=101.6km s-min=20.0km az=151.0.
ISC VI 14 22 23 30.3–1.3 20.1S–.20 178.4W–.30 602 3.6b 9 4-142
IDC VI 14 22 23 32.0–2.0 20.06S 178.60W 620–21 4.0,3.1b **¶610791896**
ISC Event type ke.
IDC Error ellipse: s-maj=29.8km s-min=20.2km az=100.0.
ISC VI 15 04 24 09.6–.65 18.0S–.20 178.3W–.10 650 3.8b 29 3-150
IDC VI 15 04 24 08.6–1.6 18.07S 178.21W 639–19 4.3,3.3b **¶610791907**
ISC Event type ke.
IDC Error ellipse: s-maj=27.1km s-min=15.8km az=142.0.
ISC VI 15 05 29 19.7–1.6 17.6S–.50 178.7W–.30 650 3.9b 8 3-86
IDC VI 15 05 29 18.1–1.9 17.65S 178.65W 624–19 4.1,3.1b **¶610791912**
ISC Event type ke.
IDC Error ellipse: s-maj=75.7km s-min=19.1km az=152.0.
ISC VI 15 14 42 12.1–1.9 19.7S–.50 177.8W–.30 550 3.8b 13 8-149
IDC VI 15 14 42 12.8–2.3 19.63S 177.73W 562–20 4.2,3.2b **¶610791944**
ISC Event type ke.
IDC Error ellipse: s-maj=65.4km s-min=16.0km az=147.0.
ISC VI 15 16 53 36.4–.45 17.78S–.06 178.62W–.05 546–4 4.5b 649 2-175
NEIC VI 15 16 53 35.8–1.8 17.75S–.10 178.6W–.10 539–6 4.5b **¶615092705**
NOU VI 15 16 53 37.3 17.63S 178.68W 556 4.6b
IDC VI 15 16 53 38.6–.76 17.90S 178.77W 567–7 4.7,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.7km s-min=13.3km az=127.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Fiji Islands Region.
IDC Error ellipse: s-maj=13.9km s-min=9.1km az=147.0.
ISC VI 15 17 20 45.4–.53 18.1S–.10 178.38W–.09 600 4.2b 48 3-148
IDC VI 15 17 20 46.7–1.6 17.86S 178.51W 612–15 4.2,3.2b **¶610791952**
NEIC VI 15 17 20 46.4–1.1 18.1S–.10 178.3W–.10 612–12 4.3b,3.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VI 16 00 03 35.1–7.9 18.62S 177.00W 455–50 4.0,3.2b ¶610791972
IDC Error ellipse: s-maj=171.1km s-min=51.2km az=142.0.
ISC VI 16 02 02 06.8–.92 17.4S–.30 178.8W–.20 600 3.4b 13 3-147
IDC VI 16 02 02 07.5–1.8 17.43S 178.82W 606–18 3.9,3.0b **¶610791976**
ISC Event type ke.
IDC Error ellipse: s-maj=46.5km s-min=17.1km az=148.0.
ISC VI 16 09 12 57.7–.68 19.3S–.10 177.5W–.10 550 4.2b 40 5-86
NEIC VI 16 09 12 58.4–.95 19.4S–.20 177.6W–.20 552–14 4.3b **¶610791992**
IDC VI 16 09 13 01.6–3.4 19.10S 177.91W 581–30 4.0,3.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=23.4km s-min=22.2km az=187.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=111.4km s-min=28.8km az=153.0.
ISC VI 16 16 35 44.6–.46 20.84S–.08 178.62W–.09 600 4.1b 97 4-172
NEIC VI 16 16 35 43.7–2.1 20.98S–.08 178.5W–.20 602–11 4.3b **¶610792015**
IDC VI 16 16 35 47.0–1.3 20.90S 178.95W 609–14 4.2,3.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=22.6km s-min=10.8km az=83.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=15.0km s-min=10.5km az=144.0.
ISC VI 17 00 54 46.2–.72 17.7S–.20 178.9W–.10 600 4.0b 27 3-147
NEIC VI 17 00 54 43.7–1.1 17.7S–.20 178.6W–.20 572–13 4.1b **¶610792037**
IDC VI 17 00 54 45.4–1.9 17.54S 178.88W 582–18 4.0,3.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=25.2km s-min=20.1km az=157.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=81.1km s-min=16.9km az=150.0.
ISC VI 17 04 55 47.1–.75 18.3S–.10 177.9W–.10 650 4.3b 39 4-145
IDC VI 17 04 55 46.6–1.3 18.48S 177.72W 644–16 4.5,3.5b **¶610792043**
NEIC VI 17 04 55 47.8–1.0 18.3S–.20 177.8W–.20 660–15 4.3b,3.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 17 13 01 37.5–.69 18.1S–.10 178.70W–.10 600 4.2b 45 3-86
NEIC VI 17 13 01 39.6–2.0 18.27S–.07 178.8W–.20 611–10 4.3b **¶610792056**
IDC VI 17 13 01 39.9–1.8 17.65S 178.73W 628–19 4.1,3.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=23.0km s-min=9.3km az=85.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=67.5km s-min=17.5km az=152.0.
IDC VI 17 13 48 11.7–6.0 19.69S 176.09W 0 3.9,3.9b ¶610792061
IDC Error ellipse: s-maj=264.2km s-min=96.7km az=157.0.
ISC VI 18 02 34 35.0–.67 20.3S–.10 177.7W–.10 550 3.8b 28 5-150
IDC VI 18 02 34 35.6–1.4 20.41S 177.93W 545–14 4.3,3.4b **¶610792088**
ISC Event type ke.
IDC Error ellipse: s-maj=19.8km s-min=12.7km az=139.0.
ISC VI 18 06 13 28.1–.89 16.1S–.30 177.2W–.20 450 3.7b 28 5-148
IDC VI 18 06 13 29.1–1.5 15.63S 177.62W 437–14 4.1,3.3b **¶610759013**
ISC Event type ke.
IDC Error ellipse: s-maj=50.9km s-min=12.6km az=149.0.
ISC VI 18 06 49 47.0–1.3 18.1S–.20 178.0W–.20 590 3.6b 13 4-148
IDC VI 18 06 49 46.8–2.1 18.14S 177.98W 587–22 4.2,3.2b **¶610792104**
ISC Event type ke.
IDC Error ellipse: s-maj=29.3km s-min=19.3km az=107.0.
ISC VI 18 07 58 44.2–.81 17.2S–.20 178.8W–.10 550 4.2b 30 3-144
IDC VI 18 07 58 44.4–1.5 17.00S 178.93W 551–17 4.4,3.4b **¶610792106**
NEIC VI 18 07 58 44.8–.83 17.2S–.20 178.8W–.10 561–11 4.3b,3.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 18 09 34 41.4–.53 17.9S–.10 178.47W–.09 579 4.3b 59 3-148
NEIC VI 18 09 34 40.8–1.7 17.9S–.20 178.4W–.20 571–10 4.4b **¶610792114**
IDC VI 18 09 34 41.9–1.5 17.83S 178.65W 577–16 4.3,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=30.6km s-min=16.3km az=149.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=21.5km s-min=12.6km az=131.0.
ISC VI 18 14 33 29.3–.61 17.9S–.10 176.5W–.10 350 4.1b 38 5-146
IDC VI 18 14 33 29.6–2.4 17.89S 176.51W 349–18 4.2,3.5b **¶610792125**
NEIC VI 18 14 33 29.7–1.8 17.8S–.10 176.4W–.10 355–8 4.2b,3.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 18 15 45 31.4–1.7 16.7S–.20 177.0W–.30 35 4.5b 17 28-83
IDC VI 18 15 45 27.9–45 16.64S 177.13W 0 4.0,4.0b **¶610792128**
NEIC VI 18 15 45 31.4–.78 16.7S–.20 177.0W–.20 31–8 4.6b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VI 18 16 58 20.9–7.9 16.21S 177.20W 0 3.3,3.3b ¶610792132
IDC Error ellipse: s-maj=412.1km s-min=112.5km az=151.0.
ISC VI 18 20 42 33.4–.67 18.8S–.10 177.6W–.10 600 4.4b 44 4-146
IDC VI 18 20 42 34.9–1.1 18.78S 177.54W 624–11 4.5,3.5b **¶610792145**
NEIC VI 18 20 42 35.3–1.1 18.74S–.08 177.5W–.10 628–11 4.3b,3.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 19 02 31 44.8–1.8 20.8S–.40 178.5W–.30 600 3.8b 9 4-147
IDC VI 19 02 31 43.1–8.8 21.12S 178.30W 582–58 4.0,3.1b **¶610792155**
ISC Event type ke.
IDC Error ellipse: s-maj=192.7km s-min=25.5km az=143.0.
IDC VI 19 03 23 02.2–6.7 19.70S 177.57W 581–60 3.8,2.8b ¶610792157
IDC Error ellipse: s-maj=228.0km s-min=29.4km az=157.0.
IDC VI 19 03 23 12.9–6.1 19.82S 177.44W 582–56 3.7,2.7b ¶610792160
IDC Error ellipse: s-maj=193.9km s-min=30.9km az=156.0.
ISC VI 19 05 09 28.6–1.6 19.5S–.40 178.0W–.30 600 3.7b 6 4-87
IDC VI 19 05 09 27.2–3.6 19.71S 177.82W 585–31 3.9,2.9b **¶610792166**
ISC Event type ke.
IDC Error ellipse: s-maj=95.3km s-min=22.9km az=149.0.
ISC VI 19 09 15 43.9–.26 20.78S–.03 176.69W–.03 271–1 5.4b 1775 5-172
MOS VI 19 09 15 39.1–.94 20.63S 176.80W 231 5.5b **¶615092717**
BJI VI 19 09 15 41.9–.00 20.44S 176.43W 261 5.1b,4.9b
IDC VI 19 09 15 43.9–.76 20.77S 176.86W 268–6 5.5,4.9b
NOU VI 19 09 15 45.8 20.85S 176.49W 293 5.6L,4.9b
NEIC VI 19 09 15 45.1 20.76S 176.51W 274 5.6L,4.9b
NEIC VI 19 09 15 45.9 20.73S 176.33W 290 5.6L,4.9b
NEIC VI 19 09 15 45.5–2.8 20.75S–.07 176.54W–.08 278–1 5.9,5.9
NEIC VI 19 09 15 45.9 20.73S 176.54W 290 5.9,5.9
GCMT VI 19 09 15 47.5–.10 20.72S–.01 176.46W–.01 293–0 5.9W,5.9
ISC Event type se.
NOU Fiji Islands Region.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 4s3 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.33 $M_{\theta\theta}$-7.25 $M_{\phi\phi}$7.58 $M_{r\theta}$-0.97 $M_{r\phi}$-1.93 $M_{\theta\phi}$-1.22 NP1:ϕ_s307.58000°,δ88.12000°,λ168.99000°. NP2:ϕ_s37.95000°,δ79.00000°,λ1.92000°. Principal axes: T 8.0390,Plg9.0000°,Azm262.0000°; N -0.4507,Plg79.0000°,Azm118.0000°; P -7.5884,Plg6.0000°,Azm353.0000° $M_0$7.81000×10^{17}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.06 $M_{\theta\theta}$-6.99 $M_{\phi\phi}$7.05 $M_{r\theta}$-2.39 $M_{\theta\phi}$-2.57 $M_{\phi r}$2.39 NP1:ϕ_s35.73000°,δ66.24000°,λ2.87000°. NP2:ϕ_s304.58000°,δ87.37000°,λ156.21000°. Principal axes: T 8.4354,Plg19.0000°,Azm258.0000°; N -0.4800,Plg66.0000°,Azm119.0000°; P -7.9554,Plg15.0000°,Azm353.0000° $M_0$8.21000×10^{17}
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to mantle waves, cutoff=125s. Triangular moment-rate function. Moment Tensor Solution. s152,c309; s94,c106;Duration: 2s1 Moment tensor: Scale 10^{18}Nm; M_{rr}0.02±.01 $M_{\theta\theta}$-0.78±.01; $M_{\phi\phi}$0.76±.01; $M_{r\theta}$-0.19±.01; $M_{\theta\phi}$-0.22±.01; $M_{\phi r}$0.20±.01; Best double couple: NP1:ϕ_s307.00000°,δ87.00000°,λ161.00000°. NP2:ϕ_s38.00000°,δ71.00000°,λ3.00000°. Principal axes: T 0.8550,Plg15.0000°,Azm260.0000°; N -0.0120,Plg71.0000°,Azm118.0000°; P -0.8430,Plg11.0000°,Azm354.0000° $M_0$0.84900×10^{18}
ISC VI 19 14 26 37.7–.81 19.8S–.10 177.1W–.10 400 4.1b 30 5-153
NEIC VI 19 14 26 40.7–1.3 19.8S–.10 177.3W–.20 424–8 4.4b **¶610792196**
IDC VI 19 14 26 41.0–2.8 19.81S 177.34W 430–25 4.1,3.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=25.4km s-min=13.5km az=133.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=39.1km s-min=20.7km az=95.0.
ISC VI 19 19 50 41.1–.36 21.20S–.06 178.94W–.07 619 4.4b 212 3-172

NEIC VI 19 19 50 37.7–1.1 21.17S–.07 178.8W–.10 574–6 4.5b ¶610686568
IDC VI 19 19 50 41.2–1.1 21.26S 179.18W 617–11 4.5,3.5b
NOU VI 19 19 50 41.7 21.21S 178.93W 616 5.0b,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.5km s-min=10.8km az=93.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=14.8km s-min=11.2km az=132.0.
NOU Fiji Islands Region.
IDC VI 20 06 30 11.3–74 16.01S 179.49W 0 3.6,3.6b ¶610789147
IDC Error ellipse: s-maj=1355.0km s-min=175.5km az=76.0.
ISC VI 20 22 20 12.6–4.8 19.6S–.30 176.7W–.50 400 4.0b 23 5-59
IDC VI 20 22 20 12.6–8.1 19.64S 176.69W 393–27 4.2,3.3b **¶610789180**
NEIC VI 20 22 20 12.2–.71 19.6S–.30 176.68W–.08 388–18 4.1b,3.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VI 21 02 25 24.6–44 17.10S 179.27W 546–93 3.8,2.9b ¶610789186
IDC Error ellipse: s-maj=873.3km s-min=128.6km az=79.0.
ISC VI 21 10 21 40.7–.92 14.7S–.30 176.5W–.10 10 3.9s,3.8b 9 5-95
IDC VI 21 10 21 39.1–.90 14.66S 176.64W 0 3.8s,3.7 **¶610789205**
GCMT VI 21 10 21 51.0–.30 14.85S–.02 176.54W–.03 12 4.8W,3.7
ISC Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.
Surface-wave location. Triangular moment-rate function. Moment Tensor Solution. s20,c24;
s76,c96;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.13±.07 $M_{\theta\theta}$2.23±.07; $M_{\phi\phi}$-0.09±.08;
$M_{r\theta}$0.22±.23; $M_{\theta\phi}$0.47±.06; $M_{\phi r}$0.46±.27; Best double couple: NP1:ϕ_s248.00000°,δ50.00000°
,λ-105.00000°. NP2:ϕ_s90.00000°,δ42.00000°,λ-73.00000°. Principal axes:
T 2.3440,Plg4.0000°,Azm348.0000°; N -0.1080,Plg11.0000°,Azm257.0000°
; P -2.2320,Plg78.0000°,Azm98.0000° $M_0$2.28800×10^{16}
ISC VI 21 16 44 58.8–.35 15.15S–.07 179.08W–.07 401 4.6b 551 4-178
NEIC VI 21 16 45 00.6–1.7 15.1S–.10 179.1W–.10 420–6 4.6b **¶616640021**
IDC VI 21 16 45 01.0–1.3 15.14S 179.08W 425–14 4.7,3.9b
NOU VI 21 16 45 04.1 15.34S 179.03W 460 4.6b,3.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.9km s-min=13.4km az=127.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=14.5km s-min=10.6km az=121.0.
NOU Fiji Islands Region.
ISC VI 21 19 34 58.6–.41 16.3S–.10 176.50W–.07 400 4.2b 126 5-149
NEIC VI 21 19 34 58.9–1.7 16.3S–.10 176.5W–.10 398–8 4.3b **¶610789229**
IDC VI 21 19 35 00.5–1.6 16.35S 176.65W 411–15 4.3,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=22.3km s-min=12.8km az=153.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=26.0km s-min=13.1km az=145.0.
IDC VI 21 20 30 58.3–29 15.26S 179.49W 432–36 4.0,3.3b ¶610789230
IDC Error ellipse: s-maj=523.2km s-min=118.3km az=74.0.
ISC VI 22 15 54 51.5–4.6 16.4S–.70 176.8W–.40 500 4.1b 13 5-74
IDC VI 22 15 54 53.0–90 16.46S 176.43W 564–100 4.0,3.0b **¶610789283**
NEIC VI 22 15 55 01.2–1.2 17.1S–.40 177.3W–.20 566–21 4.2b,3.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 23 00 03 22.1–.72 15.0S–.20 177.9W–.20 400 3.9b 37 5-145
NEIC VI 23 00 03 21.6–1.2 15.1S–.20 177.7W–.20 393–9 4.0b **¶610789301**
IDC VI 23 00 03 22.3–2.8 14.59S 178.16W 385–33 3.9,3.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=31.6km s-min=17.3km az=137.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=103.7km s-min=24.1km az=149.0.
IDC VI 23 01 35 07.9–5.5 19.67S 178.37W 547–37 3.9,3.0b ¶610789306
IDC Error ellipse: s-maj=119.2km s-min=41.8km az=144.0.
ISC VI 23 10 51 47.3–.56 19.17S–.09 177.38W–.08 600 4.3b 52 5-147
NEIC VI 23 10 51 45.8–2.2 19.4S–.10 177.4W–.10 559–7 4.4b **¶610789338**
IDC VI 23 10 51 46.4–1.9 19.45S 177.48W 563–15 4.4,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.1km s-min=14.2km az=207.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=25.9km s-min=18.8km az=106.0.
IDC VI 23 16 02 12.7–3.0 17.39S 179.03W 585–18 3.8,2.9b ¶610789346
IDC Error ellipse: s-maj=123.7km s-min=46.0km az=153.0.
IDC VI 23 18 47 58.9–9.0 19.62S 178.73W 614–45 3.7,2.8b ¶610789355
IDC Error ellipse: s-maj=237.4km s-min=91.3km az=142.0.
ISC VI 23 21 45 59.1–1.4 16.6S–.20 178.2W–.20 550 3.9b 28 4-83
NEIC VI 23 21 45 57.9–.80 16.7S–.20 178.0W–.20 543–13 4.0b **¶610789362**
IDC VI 23 21 45 59.4–15 16.79S 177.96W 568–24 4.2,3.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=32.8km s-min=18.9km az=127.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=268.3km s-min=108.1km az=82.0.
IDC VI 24 10 42 11.5–1.9 16.44S 176.56W 0 4.1,4.1b ¶610789383
IDC Error ellipse: s-maj=52.6km s-min=32.6km az=154.0.
IDC VI 24 17 38 26.6–3.9 16.56S 177.30W 417–28 3.8,3.1b ¶610789396
IDC Error ellipse: s-maj=149.9km s-min=22.9km az=148.0.
IDC VI 25 01 22 05.7–5.5 20.45S 176.38W 0 3.8,3.8b ¶610789414
IDC Error ellipse: s-maj=222.9km s-min=62.9km az=141.0.
IDC VI 25 02 01 19.7–2.9 21.26S 178.05W 0 3.9,3.9b ¶610789415
IDC Error ellipse: s-maj=177.8km s-min=33.0km az=153.0.
ISC VI 25 04 29 58.2–1.8 17.1S–.70 179.3W–.40 550 3.3b 8 3-147
IDC VI 25 04 29 58.1–1.9 17.02S 179.26W 544–19 3.8,2.9b **¶610789422**
ISC Event type ke.
IDC Error ellipse: s-maj=105.6km s-min=18.8km az=153.0.
ISC VI 25 06 03 56.5–.76 20.65S–.09 177.9W–.10 500 4.1b 57 5-147
IDC VI 25 06 03 55.2–1.9 20.69S 177.79W 496–16 4.3,3.4b **¶610789426**
NEIC VI 25 06 03 56.9–.83 20.6S–.10 177.9W–.20 499–7 4.2b,3.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 25 11 23 40.4–1.1 18.7S–.20 177.9W–.20 500 4.0b 37 4-158
NEIC VI 25 11 23 42.1–1.7 18.5S–.20 178.0W–.10 513–10 4.1b **¶610789442**
IDC VI 25 11 23 43.6–1.4 18.39S 178.19W 524–12 4.2,3.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=27.0km s-min=18.5km az=157.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=24.3km s-min=13.4km az=146.0.
IDC VI 25 17 37 33.8–10 18.32S 176.19W 302–65 3.8,3.2b ¶610789458
IDC Error ellipse: s-maj=195.7km s-min=35.9km az=144.0.
ISC VI 25 17 42 27.8–.48 19.65S–.05 176.28W–.04 29–3 5.8s,5.5b 890 5-160
IDC VI 25 17 42 23.8–.51 19.48S 176.49W 0 5.7s,4.9 **¶611189152**
NEIC VI 25 17 42 24.4–2.6 19.55S–.09 176.23W–.07 10–1 6.0,6.0
NEIC VI 25 17 42 24.3 19.38S 176.09W 12 6.0,6.0
MOS VI 25 17 42 24.9–2.4 19.42S 176.54W 11 5.8s,5.6b
NEIC VI 25 17 42 24.6 19.61S 176.26W 10 5.8s,5.6b
NEIC VI 25 17 42 24.3 19.58S 176.20W 12 5.8s,5.6b
NOU VI 25 17 42 26.1 19.49S 176.30W 8 5.6L,5.6b
GCMT VI 25 17 42 29.4–.10 19.49S 176.26W 14–0 6.0W,5.6b
ISC Event type se.
IDC Error ellipse: s-maj=17.2km s-min=12.8km az=146.0.
NEIC Event type se. Error ellipse: s-maj=14.7km s-min=10.8km az=179.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}0.08 $M_{\theta\theta}$-0.96 $M_{\phi\phi}$0.87 $M_{r\theta}$-0.10
$M_{\theta\phi}$-0.41 $M_{\phi r}$0.38 NP1:ϕ_s34.83000°,δ74.74000°,λ14.42000°. NP2:ϕ_s300.96000°,δ76.10000°
,λ164.26000°. Principal axes: T 1.1126,Plg21.0000°,Azm258.0000°; N -0.0651,Plg69.0000°
,Azm81.0000°; P -1.0475,Plg1.0000°,Azm348.0000° $M_0$1.08000×10^{18}
NEIC Event type se. Moment Tensor Solution.Duration: 5s5 Moment tensor: Scale 10^{18}Nm;
M_{rr}-0.33 $M_{\theta\theta}$-0.84 $M_{\phi\phi}$1.17 $M_{r\theta}$-0.16 $M_{\theta\phi}$-0.56 $M_{\phi r}$0.46 NP1:ϕ_s299.72000°,δ81.89000°
,λ166.39000°. NP2:ϕ_s31.68000°,δ76.53000°,λ8.34000°. Principal axes:
T 1.4476,Plg15.0000°,Azm255.0000°; N -0.4570,Plg74.0000°,Azm90.0000°
; P -0.9906,Plg4.0000°,Azm346.0000° $M_0$1.22000×10^{18}
MOS Error ellipse: s-maj=8.9km s-min=8.5km az=138.3.
NEIC Event type se.
NEIC Event type se.
NOU Fiji Islands Region.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s.
Triangular moment-rate function. Moment Tensor Solution. s163,c363; s161,c548;
Duration: 2s5 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.12±.01 $M_{\theta\theta}$-1.16±.01; $M_{\phi\phi}$1.29±.01;
$M_{r\theta}$-0.21±.02; $M_{\theta\phi}$-0.66±.01; $M_{\phi r}$0.21±.02; Best double couple: NP1:ϕ_s301.00000°,δ89.00000°
,λ169.00000°. NP2:ϕ_s31.00000°,δ79.00000°,λ1.00000°. Principal axes: T 1.4960,Plg9.0000°
,Azm255.0000°; N -0.1450,Plg79.0000°,Azm115.0000°; P -1.3450,Plg7.0000°
,Azm347.0000° $M_0$1.42000×10^{18}
IDC VI 25 17 48 12.5–2.4 20.12S 176.25W 0 4.0,4.0b ¶610789459
IDC Error ellipse: s-maj=147.1km s-min=26.5km az=154.0.
ISC VI 25 18 02 48.8–1.4 18.4S–.30 178.3W–.20 450 3.3b 9 4-86
IDC VI 25 18 02 51.1–2.6 18.24S 178.52W 470–22 3.8,3.1b **¶610789460**
ISC Event type se.
IDC Error ellipse: s-maj=57.6km s-min=21.3km az=144.0.
ISC VI 25 21 41 29.7–1.0 19.6S–.30 176.4W–.10 35 3.9b 19 6-152
IDC VI 25 21 41 36.2–6.1 19.27S 176.74W 91–47 3.8,3.5b **¶610789466**
ISC Event type ke.
IDC Error ellipse: s-maj=66.9km s-min=23.4km az=144.0.
ISC VI 25 21 49 27.7–.94 19.7S–.30 176.4W–.10 35 4.1s,4.0b 33 6-152
GCMT VI 25 21 49 30.0–.30 19.38S–.02 176.20W–.02 14–1 4.9W,4.0b **¶610789468**
IDC VI 25 21 49 34.2–5.7 19.33S 176.70W 88–45 4.0s,4.0
ISC Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.
Surface-wave location. Triangular moment-rate function. Moment Tensor Solution. s20,c22;
s99,c135;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.62±.10 $M_{\theta\theta}$-2.55±.12; $M_{\phi\phi}$1.93±.09;
$M_{r\theta}$-0.39±.23; $M_{\theta\phi}$-1.33±.08; $M_{\phi r}$0.08±.20; Best double couple: NP1:ϕ_s300.00000°,δ90.00000°
,λ171.00000°. NP2:ϕ_s30.00000°,δ81.00000°,λ0.00000°. Principal axes: T 2.3160,Plg6.0000°
,Azm254.0000°; N 0.6330,Plg81.0000°,Azm117.0000°; P -2.9510,Plg6.0000°,Azm345.0000°
$M_0$2.63300×10^{16}
IDC Error ellipse: s-maj=65.6km s-min=21.6km az=146.0.
ISC VI 26 01 56 56.2–.65 20.5S–.10 178.0W–.10 534 4.1b 48 5-153
NEIC VI 26 01 56 56.9–1.6 20.5S–.20 177.89W–.07 547–9 4.4b **¶610789475**
IDC VI 26 01 56 57.8–2.1 20.63S 178.11W 547–21 4.2,3.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=22.9km s-min=8.7km az=171.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=29.6km s-min=16.2km az=148.0.
IDC VI 26 05 42 38.7–20 18.75S 179.03W 650–270 3.9,2.8b ¶610789482
IDC Error ellipse: s-maj=221.8km s-min=79.0km az=148.0.
ISC VI 26 05 47 04.4–.54 17.5S–.10 178.60W–.09 547 4.4b 65 3-144
IDC VI 26 05 47 04.7–1.6 17.63S 178.63W 549–15 4.6,3.7b **¶610694822**
NEIC VI 26 05 47 05.8–2.1 17.5S–.10 178.7W–.10 551–8 4.3b,3.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VI 26 16 47 57.5–13 18.60S 178.02W 568–57 4.3,3.4b ¶610789519
IDC Error ellipse: s-maj=422.1km s-min=40.0km az=141.0.
IDC VI 27 03 29 07.7–11 20.27S 178.50W 360–70 3.6,2.9b ¶610789538
IDC Error ellipse: s-maj=206.3km s-min=39.6km az=140.0.
IDC VI 27 09 23 47.7–3.7 17.54S 178.91W 589–20 4.0,3.2b ¶610789566
IDC Error ellipse: s-maj=126.1km s-min=61.7km az=155.0.
IDC VI 27 12 08 26.6–4.6 18.33S 177.12W 214–48 3.7,2.9b ¶610789572
IDC Error ellipse: s-maj=253.7km s-min=30.7km az=145.0.
ISC VI 27 12 12 23.3–.97 18.8S–.20 177.7W–.10 570 4.0b 12 4-146
IDC VI 27 12 12 24.0–1.7 18.79S 177.73W 579–19 4.2,3.2b **¶610789573**
ISC Event type ke.
IDC Error ellipse: s-maj=24.6km s-min=15.8km az=154.0.
ISC VI 27 16 53 40.3–.71 17.8S–.20 178.6W–.10 579 4.0b 64 3-150
NEIC VI 27 16 53 39.5–1.4 17.9S–.20 178.3W–.20 578–9 4.1b **¶610789583**
IDC VI 27 16 53 43.1–1.6 17.70S 178.72W 610–17 4.1,3.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=29.8km s-min=19.8km az=143.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=41.2km s-min=13.1km az=150.0.
IDC VI 28 10 47 50.9–5.5 14.81S 177.66W 414–58 4.1,3.4b ¶610789636
IDC Error ellipse: s-maj=264.3km s-min=65.7km az=156.0.
ISC VI 28 20 47 41.8–.66 19.7S–.10 178.11W–.09 600 4.0b 39 4-89
IDC VI 28 20 47 42.4–1.8 19.67S 178.19W 600–28 4.3,3.2b **¶610789668**
NEIC VI 28 20 47 42.4–.82 19.7S–.20 178.0W–.20 612–17 4.2b,3.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 28 21 35 57.7–.50 20.30S–.10 178.08W–.09 534 4.1b 53 4-150
NEIC VI 28 21 35 57.5–1.9 20.4S–.10 178.1W–.10 529–8 4.2b **¶610789672**
IDC VI 28 21 36 01.1–2.1 20.22S 178.38W 561–23 4.1,3.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.1km s-min=16.0km az=145.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=30.4km s-min=16.0km az=142.0.
ISC VI 29 00 51 15.7–.65 19.7S–.10 177.26W–.09 550 4.3b 38 5-150
IDC VI 29 00 51 15.4–1.4 19.87S 176.76W 600–18 4.5,3.6b **¶610789682**
NEIC VI 29 00 51 17.3–1.6 19.8S–.20 177.3W–.10 551–13 4.5b,3.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 29 06 21 33.3–1.8 19.2S–.20 178.0W–.30 550 9 4-146
IDC VI 29 06 21 35.9–2.7 19.47S 178.34W 568–20 4.1,3.3b **¶610789699**
ISC Event type ke.
IDC Error ellipse: s-maj=44.2km s-min=33.9km az=70.0.
IDC VI 29 06 37 38.9–2.5 17.30S 178.38W 633–24 3.6,2.6b ¶610789701
IDC Error ellipse: s-maj=97.9km s-min=25.0km az=151.0.
ISC VI 29 07 02 11.6–1.8 18.8S–.40 177.6W–.30 500 3.7b 6 4-87
IDC VI 29 07 02 11.0–2.8 18.98S 177.62W 487–23 4.1,3.2b **¶610789704**
ISC Event type ke.
IDC Error ellipse: s-maj=86.4km s-min=20.9km az=146.0.
ISC VI 29 19 51 09.6–.58 17.8S–.20 178.45W–.10 550 4.2b 35 3-150
NEIC VI 29 19 51 10.1–1.4 17.9S–.10 178.4W–.20 550–10 4.5b **¶610789736**
IDC VI 29 19 51 10.7–1.9 17.70S 178.62W 555–18 4.3,3.4b
ISC Event type se.

NEIC Event type se. Error ellipse: s-maj=20.9km s-min=15.4km az=80.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=40.6km s-min=17.0km az=149.0.
ISC VI 30 09 09 35.3–1.9 17.7S–.20 178.6W–.20 600 4.3b 29 3-144
IDC VI 30 09 09 35.1–3.8 17.50S 178.69W 597–21 4.4,3.6b ¶610789776
NEIC VI 30 09 09 35.1–1.2 17.7S–.20 178.5W–.20 598–16 4.3b,3.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(182) Fiji Islands.

IDC I 11 10 37 38.5–11 18.29S 179.86E 0 3.8,3.8b
¶610237142
IDC Error ellipse: s-maj=353.6km s-min=63.3km az=131.0.
IDC I 17 20 54 18.4–1.5 18.04S 178.21E 508–14 4.3,3.4b
¶610237623
IDC Error ellipse: s-maj=116.6km s-min=12.3km az=153.0.
IDC I 27 01 37 51.2–2.1 17.05S 178.85E 408–21 3.6,2.8b
¶610235427
IDC Error ellipse: s-maj=120.4km s-min=33.9km az=145.0.
IDC I 29 07 54 27.8–54 17.55S 179.79E 0 3.8,3.8b
¶610235621
IDC Error ellipse: s-maj=970.8km s-min=161.8km az=78.0.
IDC II 19 04 35 20.1–68 17.93S 179.24E 679–394 4.1,2.9b
¶610415799
IDC Error ellipse: s-maj=835.7km s-min=107.1km az=72.0.
IDC II 20 20 19 12.2–8.1 17.62S 179.80E 0 4.0,4.0b
¶610384700
IDC Error ellipse: s-maj=361.0km s-min=40.6km az=143.0.
IDC III 01 10 46 10.7–5.3 17.82S 179.78E 558–25 3.9,2.9b
¶610545319
IDC Error ellipse: s-maj=122.4km s-min=66.1km az=105.0.
IDC III 13 05 34 53.7–66 15.80S 179.69E 0 3.7,3.7b
¶610546113
IDC Error ellipse: s-maj=1197.0km s-min=164.3km az=75.0.
IDC III 13 14 50 53.2–7.5 17.43S 177.50E 0 3.8,3.8b
¶610546145
IDC Error ellipse: s-maj=337.6km s-min=37.4km az=144.0.
IDC IV 12 06 13 58.8–2.5 19.00S 178.40E 0 3.8,3.8b
¶610652519
IDC Error ellipse: s-maj=167.7km s-min=30.7km az=152.0.
ISC IV 13 02 05 25.4–.59 16.24S–.07 178.0E–.20 26 4.6b,3.7s 43 1-148
IDC IV 13 02 05 21.6–.88 16.23S 178.17E 0 3.9,3.9b ¶610554469
NEIC IV 13 02 05 23.0–1.4 16.5S–.10 177.1E–.20 29–4 4.7b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC V 04 12 59 30.9–1.5 17.77S 178.05E 501–21 3.9,2.9b
¶610689546
IDC Error ellipse: s-maj=123.1km s-min=5.6km az=4.0.
IDC V 10 20 55 46.4–21 17.79S 178.92E 538–143 4.4,3.4b
¶610689992
IDC Error ellipse: s-maj=533.0km s-min=71.2km az=86.0.
IDC V 24 09 23 08.4–53 17.93S 179.48E 537–257 4.0,3.0b
¶610685287
IDC Error ellipse: s-maj=1198.0km s-min=128.3km az=81.0.
IDC V 26 03 44 59.6–35 17.97S 179.26E 509–190 4.0,3.1b
¶610685403
IDC Error ellipse: s-maj=833.3km s-min=105.5km az=81.0.
IDC VI 05 17 25 46.5–7.6 17.75S 178.08E 384–51 4.0,3.2b
¶610791290
IDC Error ellipse: s-maj=244.6km s-min=3.9km az=109.0.
IDC VI 07 21 30 23.1–34 17.70S 178.89E 518–226 3.8,2.9b
¶610791421
IDC Error ellipse: s-maj=863.9km s-min=46.4km az=86.0.
ISC VI 13 16 30 37.1–2.0 18.0S–.20 178.6E–.30 500 4.2b 20 1-57
NEIC VI 13 16 30 36.8–1.1 18.0S–.20 178.9E–.30 509–13 4.3b ¶610791786
IDC VI 13 16 30 38.6–17 17.77S 178.46E 498–132 4.2,3.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=42.9km s-min=25.2km az=81.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=461.9km s-min=35.8km az=92.0.
IDC VI 15 06 52 36.3–4.9 18.07S 178.51E 515–36 4.4,3.5b
¶610791915
IDC Error ellipse: s-maj=157.6km s-min=55.1km az=117.0.
ISC VI 16 17 03 48.3–.71 16.80S–.05 177.37E–.05 11–4 4.8b,4.2s 161 0-174
BJI VI 16 17 03 45.9–.00 16.83S 177.72E 14 5.1b,4.6b ¶610678607
IDC VI 16 17 03 46.4–.62 16.74S 177.30E 0 4.3,4.3b
NOU VI 16 17 03 48.5 16.56S 177.53E 17 4.8b,4.3b
NEIC VI 16 17 03 48.1–1.6 16.75S–.08 177.4E–.10 10–1 4.9b,4.3b
GCMT VI 16 17 03 51.1–.20 16.53S–.01 177.42E–.01 14–1 5.0W,4.3b
ISC Event type se.
NOU Fiji Islands.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s45,c51; s121,c187;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}0.68±.11 $M_{\theta\theta}$-3.94±.12; $M_{\phi\phi}$3.26±.10; $M_{r\theta}$0.57±.21; $M_{\theta\phi}$1.77±.10; $M_{\phi r}$-0.16±.21; Best double couple: NP1:ϕ_s328.00000°,δ86.00000°,λ-175.00000°. NP2:ϕ_s238.00000°,δ85.00000°,λ-4.00000°. Principal axes: T 3.6720,Plg0.0000°,Azm103.0000°; N 0.7490,Plg83.0000°,Azm9.0000°; P -4.4200,Plg7.0000°,Azm193.0000° $M_0$4.04600×10^{16}

SEISMIC REGION 14.
Vanuatu (New Hebrides).

(183) Santa Cruz Islands region.

ISC II 20 00 17 47.6–.58 12.8S–.10 169.63E–.08 645 4.6b 63 9-125
IDC II 20 00 17 44.7–1.9 13.00S 169.93E 619–22 4.4,3.4b ¶610384657
NEIC II 20 00 17 48.9–1.3 12.8S–.10 169.7E–.10 662–15 4.6b,3.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 26 19 24 35.0–.76 12.7S–.20 169.4E–.20 650 3.6b 11 10-125
IDC II 26 19 24 34.1–2.0 12.48S 169.37E 637–28 3.9,3.0b ¶610385081
ISC Event type ke.
IDC Error ellipse: s-maj=47.4km s-min=17.2km az=158.0.
IDC III 03 23 49 44.7–12 11.74S 164.40E 0 3.6b,3.5
¶610545487
IDC Error ellipse: s-maj=373.9km s-min=56.2km az=125.0.
ISC III 29 08 42 56.0–1.6 13.0S–.20 168.5E–.20 10 3.5b 10 8-84
IDC III 29 08 42 53.4–2.0 13.06S 168.81E 0 4.2L,3.8 ¶610543912
NOU III 29 08 43 18.1 14.22S 167.28E 124 4.8,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=66.3km s-min=30.7km az=124.0.
NOU Vanuatu Islands.
ISC IV 03 18 18 51.2–.60 11.38S–.07 164.27E–.09 35 4.5b 42 5-93
NEIC IV 03 18 18 52.5–1.9 11.25S–.08 164.2E–.10 35–2 4.6b ¶610651862
IDC IV 03 18 18 53.0–2.5 11.43S 164.20E 52–20 5.0L,4.0
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.1km s-min=12.8km az=87.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=22.9km s-min=16.4km az=60.0.
ISC IV 15 08 22 28.1–2.2 11.4S–.20 164.7E–.30 10 3.8b 9 5-93
IDC IV 15 08 22 26.0–2.9 11.28S 164.77E 0 4.5L,4.0s ¶610652783
ISC Event type ke.
IDC Error ellipse: s-maj=62.5km s-min=42.3km az=82.0.
ISC IV 21 00 07 04.0–.45 10.92S–.07 164.62E–.08 10 4.6b,4.2s 111 5-150
IDC IV 21 00 07 02.2–.76 10.83S 164.51E 0 4.9L,4.2 ¶610546565
NEIC IV 21 00 07 04.5–1.7 10.92S–.07 164.64E–.05 10–1 4.7b,4.2
GCMT IV 21 00 07 06.4–.30 10.86S–.02 164.27E–.02 27–1 5.0W,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s36,c40; s77,c101;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}2.79±.24 $M_{\theta\theta}$-3.44±.15; $M_{\phi\phi}$0.64±.15; $M_{r\theta}$0.90±.20; $M_{\theta\phi}$1.26±.11; $M_{\phi r}$-2.45±.34; Best double couple: NP1:ϕ_s135.00000°,δ65.00000°,λ123.00000°. NP2:ϕ_s258.00000°,δ40.00000°,λ41.00000°. Principal axes: T 4.3930,Plg57.0000°,Azm89.0000°; N -0.2130,Plg29.0000°,Azm300.0000°; P -4.1840,Plg14.0000°,Azm202.0000° $M_0$4.28900×10^{16}
ISC IV 21 14 26 40.5–.98 11.03S–.10 164.6E–.10 29 4.0b 23 5-93
NEIC IV 21 14 26 38.4–2.0 10.92S–.06 164.53E–.09 10–1 4.4b ¶610653201
IDC IV 21 14 26 42.6–3.6 11.10S 164.50E 54–32 5.0L,3.7
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.1km s-min=7.6km az=299.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=33.3km s-min=19.1km az=51.0.
ISC IV 22 06 44 40.9–1.2 10.9S–.10 164.5E–.20 29 3.6b 7 11-93
IDC IV 22 06 44 36.6–1.6 10.80S 164.51E 0 3.7,3.7L ¶610653244
ISC Event type ke.
IDC Error ellipse: s-maj=48.4km s-min=28.0km az=121.0.
IDC V 13 09 35 30.6–49 12.73S 169.08E 0 3.7,3.7b
¶610690186
IDC Error ellipse: s-maj=839.5km s-min=115.6km az=64.0.
ISC V 16 19 40 29.0–1.5 11.2S–.20 164.3E–.10 50 3.5b,3.0s 6 5-93
IDC V 16 19 40 34.6–7.2 10.90S 164.10E 98–54 3.7,3.4b ¶610690440
ISC Event type ke.
IDC Error ellipse: s-maj=56.4km s-min=28.8km az=121.0.
ISC VI 08 01 11 55.5–.80 12.9S–.10 169.00E–.09 625 4.5b 45 9-119
IDC VI 08 01 11 54.8–1.9 12.76S 169.09E 622–23 4.4,3.4b ¶610791432
NEIC VI 08 01 11 57.0–1.0 12.93S–.10 169.2E–.10 650–9 4.5b,3.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VI 23 07 56 03.9–10 12.23S 168.90E 558–179 4.0,3.1b
¶610789323
IDC Error ellipse: s-maj=193.0km s-min=22.2km az=157.0.
NOU VI 25 08 51 37.3 10.91S 164.77E 130 4.7b
¶612490132
NOU Santa Cruz Islands Region.

(184) Santa Cruz Islands.

ISC I 04 10 20 45.0–.53 12.19S–.07 167.0E–.10 300 4.0b 38 7-151
NEIC I 04 10 20 43.3–2.2 12.1S–.10 167.1E–.10 276–9 4.4b ¶610236691
IDC I 04 10 20 43.7–2.6 12.19S 167.03E 288–25 4.2,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.1km s-min=15.9km az=84.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=21.2km s-min=17.5km az=122.0.
ISC I 07 08 57 55.4–.65 11.68S–.09 165.5E–.10 24 4.3b,3.4s 33 6-151
NEIC I 07 08 57 57.9–.96 11.7S–.10 165.4E–.20 38–10 4.4b,3.4s ¶610049649
IDC I 07 08 57 57.6–.99 11.67S 165.45E 42–7 6.0L,4.3
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=24.3km s-min=12.2km az=65.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=19.0km s-min=18.0km az=165.0.
ISC I 09 03 24 41.7–.56 12.15S–.08 166.65E–.08 83 4.5b 47 7-123
NEIC I 09 03 24 40.6–1.5 12.1S–.10 166.6E–.10 65–8 4.7b ¶610236990
IDC I 09 03 24 42.2–4.3 12.04S 166.43E 74–40 5.5L,4.2
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.9km s-min=14.0km az=225.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=30.8km s-min=20.7km az=148.0.
ISC I 11 22 33 02.4–.90 12.47S–.10 165.6E–.10 35 4.0b 13 6-151
IDC I 11 22 32 57.1–1.3 12.40S 165.59E 0 4.4s,4.1b ¶610237207
ISC Event type ke.
IDC Error ellipse: s-maj=43.1km s-min=27.5km az=123.0.
IDC I 13 17 39 24.8–10 12.66S 166.40E 141–75 4.0,3.3b
¶610237306
IDC Error ellipse: s-maj=87.0km s-min=47.3km az=106.0.
ISC I 15 16 16 26.3–.49 12.26S–.07 167.14E–.09 250 4.2b 109 6-166
NOU I 15 16 16 23.3 11.95S 167.28E 243 4.1b ¶610237446
IDC I 15 16 16 24.7–2.9 12.22S 167.01E 228–29 4.2,3.7b
NEIC I 15 16 16 26.2–2.5 12.3S–.20 167.3E–.20 250–13 4.3b,3.7b
ISC Event type se.
NOU Santa Cruz Islands.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC I 19 12 32 08.8–3.0 12.79S 167.93E 0 3.6,3.6b
¶610237726
IDC Error ellipse: s-maj=132.2km s-min=35.3km az=138.0.
IDC I 20 23 03 05.6–6.7 12.73S 167.73E 0 3.4,3.4b
¶610234964
IDC Error ellipse: s-maj=339.2km s-min=34.5km az=141.0.
IDC I 21 21 25 47.8–20 12.64S 167.13E 157–189 3.7,3.3b
¶610235021
IDC Error ellipse: s-maj=137.0km s-min=56.2km az=144.0.
ISC I 25 01 10 10.3–.34 12.46S–.06 166.21E–.05 40 4.6b,4.1s 123 7-165
NEIC I 25 01 10 06.4–1.4 12.32S–.08 166.2E–.10 10–1 4.7b,4.1s ¶610114476
BJI I 25 01 10 08.5–.00 12.01S 166.49E 30 5.2b,4.6b
IDC I 25 01 10 11.3–2.1 12.38S 166.21E 44–19 4.3,4.0s
GCMT I 25 01 10 13.4–.40 12.35S–.03 166.14E–.03 34–1 5.1W,4.0s
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s34,c37; s57,c72;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}4.51±.33 $M_{\theta\theta}$-0.78±.21; $M_{\phi\phi}$-3.73±.20; $M_{r\theta}$-1.15±.26; $M_{\theta\phi}$1.01±.14; $M_{\phi r}$-3.00±.23; Best double couple: NP1:ϕ_s182.00000°,δ63.00000°,λ106.00000°. NP2:ϕ_s330.00000°,δ31.00000°,λ61.00000°. Principal axes: T 5.7890,Plg68.0000°,Azm124.0000°; N -0.9890,Plg14.0000°,Azm355.0000°; P -4.8020,Plg17.0000°,Azm261.0000° $M_0$5.29500×10^{16}
ISC I 29 21 08 34.7–.53 11.16S–.07 166.48E–.08 146 4.4b 79 7-150
NEIC I 29 21 08 35.0–1.3 11.1S–.10 166.4E–.10 141–8 4.6b ¶610235671
IDC I 29 21 08 35.3–2.8 11.17S 166.42E 147–24 4.3,3.8b
NOU I 29 21 09 23.3 15.06S 166.87E 1 4.5b,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.1km s-min=14.6km az=66.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=18.9km s-min=14.6km az=67.0.
NOU Vanuatu Islands.
ISC I 30 14 04 08.3–.45 11.81S–.05 166.46E–.05 41–3 5.0b,4.1s 332 6-165
MOS I 30 14 04 05.7–.81 11.78S 166.30E 30 4.9b,4.1s ¶610148024
IDC I 30 14 04 06.7–3.6 11.83S 166.48E 28–24 4.7,4.5b
BJI I 30 14 04 09.8–.00 11.43S 166.53E 57 5.2b,5.1b
NEIC I 30 14 04 10.4–1.1 11.80S–.08 166.46E–.09 58–6 5.1b,5.1b
GCMT I 30 14 04 11.4–.20 11.96S–.02 166.04E–.02 42–0 5.0W,5.1b
NOU I 30 14 04 13.2 11.90S 166.26E 66 5.1b,5.1b
ISC Event type se.
MOS Error ellipse: s-maj=9.7km s-min=8.4km az=22.9.
IDC Error ellipse: s-maj=14.6km s-min=12.6km az=74.0.

NEIC Event type se. Error ellipse: s-maj=13.7km s-min=11.4km az=59.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s77,c99; s67,c88;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}4.49±.17 $M_{\theta\theta}$-0.36±.12; $M_{\phi\phi}$-4.13±.11; $M_{r\theta}$0.20±.12; $M_{\theta\phi}$0.95±.09; $M_{\phi r}$0.95±.10; Best double couple: NP1:ϕ_s352.00000°,δ51.00000°,λ96.00000°. NP2:ϕ_s162.00000°,δ40.00000°,λ82.00000°. Principal axes: T 4.6120,Plg83.0000° ,Azm298.0000°; N -0.1690,Plg5.0000°,Azm168.0000°; P -4.4440,Plg6.0000°,Azm77.0000° $M_0$4.52800×10^{16}
NOU Santa Cruz Islands.
ISC II 03 14 05 03.4–.85 11.74S–.09 166.4E–.20 150 4.4b 30 9-148
NEIC II 03 14 05 00.1–1.2 11.4S–.20 166.6E–.20 135–18 4.6b **¶610414744**
IDC II 03 14 05 03.1–4.8 11.81S 166.49E 147–44 3.9,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=35.7km s-min=25.7km az=222.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=30.0km s-min=25.6km az=93.0.
IDC II 06 14 06 44.2–2.6 12.41S 166.88E 0 3.7b,3.6
¶610414978
IDC Error ellipse: s-maj=113.8km s-min=28.9km az=133.0.
ISC II 06 14 53 08.9–.52 10.97S–.07 165.96E–.09 61 4.7b 61 6-164
IDC II 06 14 53 10.1–5.5 11.01S 166.02E 75–49 4.4L,4.2 **¶610315685**
NEIC II 06 14 53 10.9–1.2 10.91S–.09 165.93E–.09 77–8 4.8b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 08 00 46 33.5–3.4 12.3S–.80 167.2E–.70 220 3.6b 6 22-118
IDC II 08 00 46 32.1–16 12.36S 167.24E 209–146 3.9,3.4b **¶610415078**
ISC Event type ke.
IDC Error ellipse: s-maj=134.0km s-min=52.0km az=138.0.
ISC II 08 21 56 43.8–2.9 12.4S–.70 167.3E–.50 10 4.0b 6 32-152
IDC II 08 21 56 42.2–3.0 12.42S 167.27E 0 3.9,3.9b **¶610415144**
ISC Event type ke.
IDC Error ellipse: s-maj=132.2km s-min=38.7km az=149.0.
IDC II 09 13 40 02.4–4.2 10.68S 166.53E 0 3.7,3.7b
¶610415174
IDC Error ellipse: s-maj=166.2km s-min=31.4km az=134.0.
ISC II 09 17 15 57.5–1.4 12.1S–.30 167.9E–.30 10 3.5b,3.3s 6 8-96
IDC II 09 17 15 58.8–4.0 11.57S 167.35E 0 3.8b,3.7 **¶610415185**
ISC Event type ke.
IDC Error ellipse: s-maj=142.6km s-min=32.2km az=133.0.
ISC II 19 14 08 46.8–.56 11.72S–.07 166.49E–.10 150 4.7b 68 9-95
NEIC II 19 14 08 44.5–1.5 11.6S–.10 166.6E–.10 126–8 5.0b **¶610415818**
IDC II 19 14 08 45.5–5.1 11.63S 166.50E 137–46 4.1,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.8km s-min=14.5km az=54.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=24.7km s-min=21.2km az=11.0.
IDC II 19 15 09 20.3–4.6 11.77S 166.03E 111–31 4.1,3.4b
¶610415820
IDC Error ellipse: s-maj=52.4km s-min=24.4km az=51.0.
ISC II 20 03 56 46.2–.25 11.58S–.04 166.29E–.04 59 5.0b,4.2s 566 7-170
BJI II 20 03 56 44.5–.00 11.06S 166.66E 50 5.2b,5.1b **¶610231661**
MOS II 20 03 56 44.2–.76 11.59S 166.31E 57 5.2b,5.1b
NEIC II 20 03 56 45.2–1.7 11.55S–.08 166.35E–.08 50–5 5.0b,5.1b
IDC II 20 03 56 45.0–1.9 11.49S 166.30E 43–16 4.8,4.6b
GCMT II 20 03 56 46.2–.20 11.53S–.02 166.03E–.02 44–1 5.0W,4.6b
NOU II 20 03 56 49.5 11.55S 166.18E 71 5.2b,4.6b
ISC Event type se.
MOS Error ellipse: s-maj=9.5km s-min=8.9km az=24.3.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=10.4km az=45.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=14.0km s-min=12.5km az=71.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s80,c96; s92,c121;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}3.53±.15 $M_{\theta\theta}$0.48±.12; $M_{\phi\phi}$-4.02±.11; $M_{r\theta}$0.45±.10; $M_{\theta\phi}$0.61±.11; $M_{\phi r}$2.48±.11; Best double couple: NP1:ϕ_s3.00000°,δ62.00000°,λ101.00000°. NP2:ϕ_s160.00000°,δ30.00000°,λ70.00000°. Principal axes: T 4.3670,Plg71.0000° ,Azm298.0000°; N 0.4260,Plg10.0000°,Azm178.0000°; P -4.8020,Plg16.0000°,Azm85.0000° $M_0$4.58400×10^{16}
NOU Santa Cruz Islands.
ISC II 21 13 10 28.8–1.2 11.9S–.10 166.8E–.20 10 4.0b 18 9-95
NEIC II 21 13 10 09.7–1.3 10.6S–.10 168.9E–.20 14–9 4.3b **¶610384753**
IDC II 21 13 10 29.6–2.1 11.55S 166.23E 0 4.0b,3.9
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=33.6km s-min=18.0km az=66.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=75.1km s-min=31.8km az=129.0.
ISC II 23 05 37 39.6–1.1 12.5S–.10 167.0E–.20 250 3.5b 7 9-118
IDC II 23 05 37 41.2–8.8 12.62S 166.98E 267–96 3.8,3.2b **¶610384849**
ISC Event type ke.
IDC Error ellipse: s-maj=76.5km s-min=27.2km az=161.0.
ISC III 09 10 59 35.8–.87 10.8S–.10 165.2E–.10 31 3.9b 13 5-94
IDC III 09 10 59 40.2–3.2 10.85S 165.06E 68–28 4.4L,3.9 **¶610545873**
ISC Event type ke.
IDC Error ellipse: s-maj=22.7km s-min=18.6km az=56.0.
ISC III 11 21 39 47.2–.49 12.42S–.07 165.65E–.08 10 4.5b,3.4s 56 6-151
IDC III 11 21 39 45.9–.94 12.39S 165.57E 0 4.2b,4.1 **¶610325519**
NEIC III 11 21 39 47.7–.89 12.35S–.09 165.6E–.10 10–1 4.5b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 12 17 38 46.3–1.0 11.9S–.10 167.6E–.20 317 3.5b 11 10-95
IDC III 12 17 38 52.2–5.6 12.14S 167.65E 380–65 3.9,3.3b **¶610546087**
ISC Event type ke.
IDC Error ellipse: s-maj=55.0km s-min=25.5km az=154.0.
ISC III 14 02 12 53.7–.57 12.2S–.10 167.0E–.10 220 4.2b 48 23-166
IDC III 14 02 12 43.5–10 12.28S 167.09E 130–92 4.0,3.7b **¶610546170**
NEIC III 14 02 12 55.0–1.2 12.3S–.10 167.1E–.20 234–8 4.3b,3.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC III 21 10 25 34.2–8.2 11.93S 166.42E 235–76 3.8,3.2b
¶610543397
IDC Error ellipse: s-maj=63.6km s-min=40.3km az=8.0.
ISC III 21 21 40 03.0–.45 12.28S–.07 166.97E–.09 220 4.3b 62 7-166
NEIC III 21 21 40 02.4–1.3 12.3S–.10 167.1E–.10 208–8 4.5b **¶610471004**
IDC III 21 21 40 05.8–3.8 12.31S 166.87E 244–35 4.2,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.5km s-min=14.8km az=72.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=20.7km s-min=20.3km az=112.0.
ISC III 23 13 23 53.7–.43 11.27S–.06 166.43E–.08 200 4.2b 106 7-150
NEIC III 23 13 23 52.5–1.6 11.06S–.08 166.38E–.07 180–7 4.3b **¶610431614**
IDC III 23 13 23 53.4–2.5 11.15S 166.45E 184–22 4.4,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.7km s-min=4.5km az=219.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=18.7km s-min=14.3km az=92.0.
NOU III 24 12 02 11.1 11.84S 167.32E 93 4.3b
¶612489218
NOU Santa Cruz Islands.
ISC III 25 03 01 53.0–.54 11.55S–.06 166.44E–.07 34–1 4.8b,4.1s 100 6-99
BJI III 25 03 01 50.7–.00 11.45S 166.59E 26 5.0b,4.8b **¶610434922**
IDC III 25 03 01 55.3–3.5 11.43S 166.43E 57–31 4.3,4.1b
NEIC III 25 03 01 55.4–2.3 11.35S–.10 166.14E–.08 38–6 4.8b,4.1b
NOU III 25 03 01 56.8 11.63S 166.00E 0 4.9b,4.1b
GCMT III 25 03 01 57.4–.20 11.53S–.02 165.98E–.01 46–0 5.1W,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Santa Cruz Islands.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s95,c120; s85,c109;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}4.85±.14 $M_{\theta\theta}$-0.14±.13; $M_{\phi\phi}$-4.70±.11; $M_{r\theta}$-0.27±.10; $M_{\theta\phi}$0.97±.10; $M_{\phi r}$2.00±.10; Best double couple: NP1:ϕ_s350.00000°,δ56.00000°,λ92.00000°. NP2:ϕ_s167.00000°,δ34.00000°,λ87.00000°. Principal axes: T 5.2530,Plg79.0000° ,Azm266.0000°; N 0.0480,Plg1.0000°,Azm169.0000°; P -5.2960,Plg11.0000°,Azm79.0000° $M_0$5.27500×10^{16}
ISC III 25 17 54 18.1–.47 11.93S–.05 165.43E–.05 34–1 4.9b,3.7s 398 6-151
IDC III 25 17 54 13.0–.47 11.88S 165.53E 0 4.6b,4.5 **¶610435091**
BJI III 25 17 54 16.4–.00 11.33S 165.76E 21 5.0b,4.9s
NOU III 25 17 54 17.0 11.89S 165.44E 16 4.7b,4.9s
NEIC III 25 17 54 17.6–1.4 11.90S–.06 165.46E–.09 29–5 4.9b,4.9s
GCMT III 25 17 54 18.6–.30 11.92S–.04 165.30E–.03 19–1 4.8W,4.9s
ISC Event type se.
NOU Santa Cruz Islands.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s22,c25; s67,c90;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-2.35±.17 $M_{\theta\theta}$0.78±.10; $M_{\phi\phi}$1.56±.10; $M_{r\theta}$-0.10±.24; $M_{\theta\phi}$-0.82±.05; $M_{\phi r}$0.55±.20; Best double couple: NP1:ϕ_s152.00000°,δ52.00000°,λ-84.00000°. NP2:ϕ_s323.00000°,δ39.00000°,λ-97.00000°. Principal axes: T 2.1430,Plg7.0000° ,Azm238.0000°; N 0.2780,Plg4.0000°,Azm329.0000°; P -2.4270,Plg82.0000°,Azm92.0000° $M_0$2.28500×10^{16}
ISC III 26 05 11 56.7–.55 12.84S–.07 166.84E–.09 100 4.3b 57 8-166
NEIC III 26 05 11 58.0–.99 12.8S–.10 166.9E–.20 108–8 4.5b **¶610543699**
IDC III 26 05 11 58.6–4.8 12.87S 166.85E 119–46 4.3,3.9b
NOU III 26 05 13 43.5 20.85S 166.95E 0 2.8,3.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.2km s-min=14.5km az=87.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=30.6km s-min=19.5km az=152.0.
NOU Loyalty Islands.
ISC III 26 20 38 30.3–.47 11.17S–.06 166.4E–.10 146 4.2b 79 10-150
NEIC III 26 20 38 31.2–1.2 11.13S–.02 166.4E–.20 150–7 4.2b **¶610543744**
IDC III 26 20 38 32.8–4.6 11.21S 166.43E 170–42 4.1,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=22.5km s-min=3.3km az=90.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=19.0km s-min=16.6km az=79.0.
ISC III 29 13 04 22.7–.57 11.96S–.08 165.33E–.10 35 4.5b 52 6-97
IDC III 29 13 04 17.1–.92 12.01S 165.45E 0 5.1L,4.2 **¶610543930**
NEIC III 29 13 04 22.3–1.3 11.93S–.09 165.40E–.09 30–6 4.7b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC III 31 13 09 54.8–22 11.87S 166.60E 304–269 3.7,3.0b
¶610544054
IDC Error ellipse: s-maj=239.1km s-min=31.7km az=156.0.
IDC IV 01 04 22 22.3–6.8 12.10S 167.07E 0 3.6,3.6b
¶610651679
IDC Error ellipse: s-maj=355.0km s-min=32.0km az=140.0.
ISC IV 01 18 47 08.6–1.2 12.41S–.09 166.8E–.30 220 3.4b 8 10-95
IDC IV 01 18 47 11.1–6.1 12.56S 166.84E 251–72 3.7,3.2b **¶610651720**
ISC Event type ke.
IDC Error ellipse: s-maj=53.9km s-min=26.1km az=145.0.
ISC IV 02 15 11 17.1–.56 11.64S–.05 166.29E–.07 61–4 4.9b 161 7-165
IDC IV 02 15 11 15.0–2.0 11.53S 166.34E 45–17 4.3,4.1b **¶610470196**
BJI IV 02 15 11 16.4–.00 11.13S 166.78E 67 5.0b,4.7b
NEIC IV 02 15 11 17.6–1.6 11.59S–.08 166.31E–.10 58–7 5.0b,4.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 04 09 42 27.3–1.4 11.2S–.10 166.3E–.20 10 3.8b 7 11-94
IDC IV 04 09 42 26.0–1.7 11.22S 166.25E 0 3.7,3.7b **¶610651899**
ISC Event type ke.
IDC Error ellipse: s-maj=55.5km s-min=28.3km az=121.0.
ISC IV 06 13 53 07.4–.96 11.79S–.10 165.5E–.20 35 3.9b,3.2s 8 10-94
IDC IV 06 13 53 02.3–1.2 11.59S 165.39E 0 3.9,3.9b **¶610652081**
ISC Event type ke.
IDC Error ellipse: s-maj=42.6km s-min=25.5km az=136.0.
IDC IV 07 22 17 58.3–10 12.39S 167.79E 0 3.7,3.7b
¶610652182
IDC Error ellipse: s-maj=318.9km s-min=60.8km az=127.0.
ISC IV 10 21 42 42.0–1.1 12.67S–.10 166.5E–.20 100 3.9b 9 9-118
IDC IV 10 21 42 43.2–5.8 12.64S 166.46E 111–50 4.1,3.7b **¶610652410**
ISC Event type ke.
IDC Error ellipse: s-maj=35.6km s-min=32.6km az=80.0.
IDC IV 13 03 34 17.4–3.4 10.93S 166.89E 0 3.7s,3.7
¶610652603
IDC Error ellipse: s-maj=131.3km s-min=33.6km az=137.0.
IDC IV 14 23 43 54.1–9.0 12.06S 167.13E 0 3.9b,3.8
¶610652761
IDC Error ellipse: s-maj=254.6km s-min=48.0km az=123.0.
IDC IV 15 19 12 31.2–9.1 11.29S 167.18E 0 3.6,3.6b
¶610652815
IDC Error ellipse: s-maj=247.2km s-min=52.5km az=121.0.
IDC IV 16 04 57 43.9–50 10.83S 165.91E 0 3.9,3.9b
¶610652851
IDC Error ellipse: s-maj=847.5km s-min=108.2km az=60.0.
IDC IV 16 21 23 37.7–5.1 12.29S 167.39E 0 3.5s,3.4
¶610652888
IDC Error ellipse: s-maj=283.3km s-min=32.2km az=141.0.
IDC IV 18 02 47 42.5–2.2 10.72S 166.69E 0 3.7s,3.7b
¶610652964
IDC Error ellipse: s-maj=112.3km s-min=28.6km az=144.0.
ISC IV 24 04 42 43.8–5.2 12.5S–.40 165.5E–.50 10 4.0b 9 10-32
IDC IV 24 04 42 47.5–14 12.89S 164.95E 0 4.2L,4.1 **¶610649855**
ISC Event type ke.
IDC Error ellipse: s-maj=238.8km s-min=37.3km az=52.0.
ISC IV 25 14 39 01.2–.75 12.13S–.08 165.9E–.10 30 4.6b 31 6-165
IDC IV 25 14 38 56.5–1.2 11.89S 166.16E 0 4.3,4.3b **¶610649998**
NEIC IV 25 14 38 57.9–1.7 11.97S–.08 166.0E–.10 10–2 4.8b,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 28 01 22 23.6–1.2 11.8S–.20 166.6E–.20 200 3.6b 7 10-117
IDC IV 28 01 22 24.7–9.3 11.89S 166.61E 211–98 3.9,3.4b **¶610650180**
ISC Event type ke.
IDC Error ellipse: s-maj=87.2km s-min=28.8km az=161.0.
ISC IV 29 02 54 53.0–.76 11.79S–.09 166.7E–.20 150 3.9b 17 10-151
IDC IV 29 02 54 52.5–4.8 11.78S 166.67E 144–43 4.0,3.6b **¶610650278**
ISC Event type ke.
IDC Error ellipse: s-maj=24.3km s-min=21.8km az=35.0.
ISC IV 29 11 28 17.3–1.3 12.7S–.10 166.1E–.20 40 4.0b 13 7-165
IDC IV 29 11 28 17.8–4.3 12.67S 166.24E 50–33 4.2s,4.1 **¶610650303**
ISC Event type ke.
IDC Error ellipse: s-maj=44.9km s-min=27.5km az=90.0.
ISC V 01 04 50 38.3–.33 12.36S–.05 166.76E–.07 200 4.6b 193 7-165
IDC V 01 04 50 35.5–3.1 12.31S 166.83E 170–27 4.6,4.2b **¶610669450**
BJI V 01 04 50 36.9–.00 11.64S 166.65E 165 4.8b,4.8b

NEIC V 01 04 50 37.3–1.5 12.27S–.08 166.8E–.10 184–6 4.7b,4.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC V 01 12 53 11.8–11 12.32S 166.71E 249–128 3.8,3.1b
¶610689307
IDC Error ellipse: s-maj=122.1km s-min=32.3km az=160.0.
ISC V 05 11 00 36.5–1.1 11.9S–.10 166.5E–.20 150 3.6b 11 7-95
IDC V 05 11 00 35.6–5.8 11.83S 166.46E 140–51 4.0,3.6s **¶610689607**
ISC Event type ke.
IDC Error ellipse: s-maj=34.7km s-min=33.5km az=171.0.
IDC V 05 14 21 17.2–3.0 12.72S 165.82E 0 3.8,3.7b
¶610689612
IDC Error ellipse: s-maj=63.6km s-min=36.7km az=89.0.
ISC V 06 16 57 30.5–.48 13.00S–.06 166.84E–.09 100 4.5b 85 8-166
IDC V 06 16 57 32.2–2.7 13.08S 166.86E 116–23 4.4,4.1b **¶610617714**
NEIC V 06 16 57 33.1–1.6 13.01S–.09 166.8E–.10 120–7 4.6b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC V 07 16 07 44.4–4.1 11.97S 165.26E 0 5.3L,3.8b
¶610689735
IDC Error ellipse: s-maj=78.1km s-min=55.5km az=105.0.
ISC V 07 17 42 49.3–1.1 11.4S–.10 166.3E–.10 35 3.8b 10 7-94
IDC V 07 17 42 50.4–4.0 11.47S 166.24E 43–32 3.8,3.6b **¶610689743**
ISC Event type ke.
IDC Error ellipse: s-maj=34.2km s-min=26.5km az=50.0.
ISC V 14 10 05 29.1–1.3 10.6S–.10 165.8E–.20 150 3.4b 7 11-93
IDC V 14 10 05 29.3–12 10.57S 165.78E 154–132 3.7,3.6L **¶610690265**
ISC Event type ke.
IDC Error ellipse: s-maj=91.8km s-min=30.7km az=150.0.
ISC V 19 15 21 18.7–1.8 12.0S–.60 166.9E–.60 220 3.5b 6 31-118
IDC V 19 15 21 21.9–19 12.05S 166.79E 248–180 3.8,3.2b **¶610690679**
ISC Event type ke.
IDC Error ellipse: s-maj=108.1km s-min=54.2km az=130.0.
IDC V 20 07 45 16.2–2.2 12.03S 167.48E 0 3.7,3.7b
¶610685014
IDC Error ellipse: s-maj=124.4km s-min=26.3km az=146.0.
ISC V 21 14 27 29.5–1.6 11.0S–.40 166.5E–.30 146 3.4b 8 32-95
IDC V 21 14 27 11.8–1.7 10.84S 166.64E 0 3.6,3.6b **¶610685088**
ISC Event type ke.
IDC Error ellipse: s-maj=80.8km s-min=26.4km az=146.0.
IDC V 23 23 55 14.8–8.7 12.86S 166.55E 152–101 4.0,3.6b
¶610685254
IDC Error ellipse: s-maj=85.8km s-min=44.7km az=127.0.
ISC V 26 19 21 42.3–.51 11.94S–.06 166.19E–.07 50 4.5b,3.8s 63 7-165
IDC V 26 19 21 44.9–2.6 11.89S 166.14E 69–22 4.2,3.9b **¶610685448**
NEIC V 26 19 21 44.0–1.9 11.96S–.06 166.22E–.06 66–7 4.6b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC V 27 03 10 35.7–1.7 11.72S 166.05E 0 3.7,3.7b
¶610685470
IDC Error ellipse: s-maj=52.5km s-min=30.5km az=124.0.
IDC V 30 01 09 07.8–8.8 11.99S 167.87E 0 4.1,4.1b
¶610685680
IDC Error ellipse: s-maj=262.3km s-min=58.8km az=126.0.
ISC V 30 10 24 43.6–.33 12.18S–.04 167.26E–.04 269–2 5.1b 1420 8-171
IDC V 30 10 24 42.4–1.1 12.12S 167.22E 255–9 5.2,4.7b **¶616639144**
MOS V 30 10 24 43.4–.98 12.06S 167.14E 272 5.3b,4.7b
BJI V 30 10 24 43.6–.00 11.74S 167.24E 267 5.0b,4.9b
NEIC V 30 10 24 43.5–1.4 12.12S–.08 167.23E–.09 257–5 5.2b,4.9b
NOU V 30 10 24 44.1 12.12S 167.19E 270 5.0b,4.9b
GCMT V 30 10 24 45.5–.20 12.12S–.02 167.08E–.02 266–1 5.1W,4.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Santa Cruz Islands.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function. Moment Tensor Solution. s64,c80; s104,c135;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}3.54±.13 $M_{\theta\theta}$-0.54±.15; $M_{\phi\phi}$-3.00±.15; $M_{r\theta}$2.25±.14;
$M_{\theta\phi}$1.09±.14; $M_{\phi r}$-4.16±.14; Best double couple: NP1:ϕ_s153.00000°,δ72.00000°,λ86.00000°.
NP2:ϕ_s345.00000°,δ18.00000°,λ101.00000°. Principal axes: T 5.9510,Plg63.0000°
,Azm58.0000°; N -0.1660,Plg3.0000°,Azm154.0000°; P -5.7870,Plg27.0000°,Azm246.0000°
$M_0$5.86900×10^{16}
IDC VI 07 14 06 01.4–3.0 11.41S 166.94E 0 3.5s,3.4
¶610791408
IDC Error ellipse: s-maj=173.6km s-min=32.6km az=139.0.
ISC VI 10 16 19 52.8–.32 11.50S–.04 166.41E–.05 58–2 5.0b,3.9s 411 7-165
MOS VI 10 16 19 49.5–1.1 11.43S 166.29E 42 5.2b,3.9s **¶610669503**
IDC VI 10 16 19 52.6–.51 11.51S 166.41E 55–3 4.7,4.4b
NEIC VI 10 16 19 52.2–1.7 11.49S–.06 166.47E–.09 48–5 5.1b,5.0
NEIC VI 10 16 19 53.1 11.50S 166.44E 50 5.1b,5.0
NEIC VI 10 16 19 53.1 11.70S 165.93E 50 5.1b,5.0
BJI VI 10 16 19 53.6–.00 11.04S 166.24E 55 5.1b,5.0b
GCMT VI 10 16 19 54.2–.20 11.59S–.02 166.07E–.02 53–1 5.0W,5.0b
NOU VI 10 16 19 57.0 11.53S 166.16E 74 5.2b,5.0b
ISC Event type se.
MOS Error ellipse: s-maj=9.3km s-min=8.9km az=177.0.
IDC Error ellipse: s-maj=13.1km s-min=10.3km az=95.0.
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=9.1km az=97.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 1s5 Moment tensor: Scale 10^{16}Nm;
M_{rr}3.67 $M_{\theta\theta}$-0.69 $M_{\phi\phi}$-2.98 $M_{r\theta}$-0.35 $M_{\theta\phi}$1.50 $M_{\phi r}$0.90 NP1:ϕ_s334.90000°,δ52.30000°
,λ91.58000°. NP2:ϕ_s152.32000°,δ37.72000°,λ87.96000°. Principal axes:
T 3.7937,Plg83.0000°,Azm254.0000°; N 0.0533,Plg1.0000°,Azm154.0000°
; P -3.8471,Plg7.0000°,Azm64.0000° $M_0$3.82000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function. Moment Tensor Solution. s76,c95; s80,c113;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}3.74±.12 $M_{\theta\theta}$-0.44±.10; $M_{\phi\phi}$-3.31±.09; $M_{r\theta}$-0.24±.07;
$M_{\theta\phi}$0.99±.10; $M_{\phi r}$1.09±.08; Best double couple: NP1:ϕ_s344.00000°,δ53.00000°,λ92.00000°.
NP2:ϕ_s161.00000°,δ37.00000°,λ88.00000°. Principal axes: T 3.9070,Plg81.0000°
,Azm262.0000°; N -0.1330,Plg1.0000°,Azm163.0000°; P -3.7830,Plg8.0000°,Azm73.0000°
$M_0$3.84500×10^{16}
NOU Santa Cruz Islands.
ISC VI 11 17 12 53.8–.78 10.70S–.09 165.8E–.10 155 4.2b 50 6-93
NEIC VI 11 17 12 53.2–2.0 10.4S–.20 166.0E–.10 170–17 4.2b **¶610791660**
IDC VI 11 17 12 55.5–2.9 10.67S 165.81E 167–27 4.3,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=32.0km s-min=3.1km az=205.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=21.1km s-min=17.6km az=34.0.
IDC VI 14 02 57 50.7–10 11.64S 166.75E 0 4.1b,4.0
¶610791821
IDC Error ellipse: s-maj=325.0km s-min=54.1km az=126.0.
ISC VI 14 11 02 05.4–.75 10.58S–.08 166.0E–.10 155 4.0b 42 6-116
NEIC VI 14 11 02 07.9–1.1 10.58S–.03 166.0E–.10 179–13 4.0b **¶610791859**
IDC VI 14 11 02 08.6–3.0 10.62S 165.83E 188–28 4.3,3.7b
NOU VI 14 11 03 09.2 15.36S 166.84E 20 4.0,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.0km s-min=3.8km az=89.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=19.0km s-min=17.2km az=73.0.
NOU Vanuatu Islands.
ISC VI 18 17 25 53.6–2.3 12.3S–.50 166.7E–.40 200 3.3b 7 32-118
IDC VI 18 17 25 28.6–2.3 12.19S 167.12E 0 3.8s,3.7 **¶610792135**
ISC Event type ke.
IDC Error ellipse: s-maj=93.5km s-min=31.7km az=136.0.
ISC VI 20 06 18 40.0–.55 12.24S–.08 166.9E–.10 220 4.1b 23 10-151
IDC VI 20 06 18 41.9–3.6 12.29S 166.91E 237–35 4.3,3.7b **¶610789145**
ISC Event type ke.
IDC Error ellipse: s-maj=26.2km s-min=15.4km az=166.0.
ISC VI 20 14 22 10.1–.99 12.0S–.20 166.7E–.10 250 4.2b 30 20-95
IDC VI 20 14 21 36.6–3.8 11.54S 167.55E 0 4.1,4.0b **¶610789162**
NEIC VI 20 14 22 08.4–1.3 12.0S–.20 166.8E–.20 232–9 4.3b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 21 16 15 49.5–1.1 10.9S–.10 165.9E–.10 200 4.3b 21 6-83
NEIC VI 21 16 15 47.4–2.5 10.6S–.10 166.0E–.10 166–10 4.4b **¶610789218**
IDC VI 21 16 15 52.3–7.8 10.73S 165.84E 217–77 3.7,2.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=22.6km s-min=17.2km az=45.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=46.5km s-min=28.2km az=175.0.
ISC VI 23 15 37 14.6–.49 11.33S–.04 166.92E–.05 72–3 5.0b 580 6-165
IDC VI 23 15 37 04.9–.45 11.15S 167.12E 0 4.6,4.6b **¶610694229**
MOS VI 23 15 37 06.2–1.8 11.20S 167.00E 10 5.2b,4.6b
NEIC VI 23 15 37 06.2–2.1 11.29S–.08 167.06E–.08 10–1 5.2b,4.6b
GCMT VI 23 15 37 10.2–.10 10.98S–.01 167.11E–.01 12 5.1W,4.6b
BJI VI 23 15 37 13.0–.00 11.30S 166.90E 70 5.3b,4.8b
NOU VI 23 15 37 15.0 11.17S 166.86E 63 4.9b,4.8b
ISC Event type se.
IDC Error ellipse: s-maj=16.4km s-min=12.9km az=98.0.
MOS Error ellipse: s-maj=8.9km s-min=8.1km az=105.3.
NEIC Event type se. Error ellipse: s-maj=15.7km s-min=11.6km az=47.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function. Moment Tensor Solution. s51,c66; s125,c189;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-5.24±.09 $M_{\theta\theta}$0.99±.10; $M_{\phi\phi}$4.25±.08; $M_{r\theta}$2.06±.30;
$M_{\theta\phi}$-2.79±.08; $M_{\phi r}$-1.65±.27; Best double couple: NP1:ϕ_s320.00000°,δ58.00000°
,λ-101.00000°. NP2:ϕ_s161.00000°,δ34.00000°,λ-73.00000°. Principal axes:
T 6.3760,Plg12.0000°,Azm58.0000°; N -0.4510,Plg10.0000°,Azm326.0000°
; P -5.9280,Plg75.0000°,Azm199.0000° $M_0$6.15200×10^{16}
NOU Santa Cruz Islands.
IDC VI 24 02 20 05.9–3.3 11.26S 166.15E 0 4.0b,3.9
¶610789370
IDC Error ellipse: s-maj=70.2km s-min=45.1km az=90.0.
IDC VI 26 00 15 52.6–5.0 12.41S 167.19E 0 3.6,3.6b
¶610789471
IDC Error ellipse: s-maj=249.7km s-min=33.4km az=140.0.
IDC VI 30 04 16 14.9–3.9 12.39S 167.50E 0 3.7,3.7b
¶610789752
IDC Error ellipse: s-maj=214.0km s-min=32.6km az=142.0.

(185) Vanuatu Islands region.

IDC I 06 07 29 42.6–81 19.18S 172.13E 0 3.7,3.7b
¶610236816
IDC Error ellipse: s-maj=1375.0km s-min=145.7km az=75.0.
IDC I 06 15 35 43.6–71 17.73S 171.67E 0 3.8,3.8b
¶610236840
IDC Error ellipse: s-maj=1208.0km s-min=138.0km az=74.0.
IDC I 16 01 46 05.1–59 14.26S 163.72E 0 3.8,3.8b
¶610237467
IDC Error ellipse: s-maj=985.1km s-min=109.4km az=63.0.
IDC I 22 08 42 09.7–11 15.15S 164.32E 0 3.9,3.9b
¶610235093
IDC Error ellipse: s-maj=203.4km s-min=34.6km az=48.0.
ISC I 28 18 28 01.5–.90 13.7S–.10 170.5E–.10 635 4.2b 37 8-85
NEIC I 28 18 28 01.8–1.2 13.7S–.20 170.5E–.20 639–17 4.3b **¶610235581**
IDC I 28 18 28 01.0–3.9 13.59S 170.32E 616–53 4.1,3.0b
NOU I 28 18 28 58.6 17.50S 168.24E 0 4.4b,3.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=27.7km s-min=22.3km az=151.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=62.4km s-min=33.7km az=152.0.
NOU Vanuatu Islands.
ISC I 30 12 14 57.4–2.3 20S–1.0 172.8E–.60 35 3.5s 4 6-169
IDC I 30 12 14 52.9–3.2 19.58S 172.76E 0 3.8,3.6b **¶610235729**
ISC Event type ke.
IDC Error ellipse: s-maj=168.0km s-min=45.8km az=158.0.
ISC II 09 20 00 45.5–.74 14.5S–.10 170.62E–.10 600 4.8b 72 7-83
NEIC II 09 20 00 45.5–1.2 14.6S–.10 170.8E–.10 613–8 4.9b **¶610415196**
IDC II 09 20 00 46.9–1.7 14.48S 170.51E 614–26 4.5,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=22.4km s-min=14.3km az=130.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=38.9km s-min=20.6km az=143.0.
IDC II 14 01 30 21.0–86 19.11S 171.51E 0 3.8,3.8b
¶610415478
IDC Error ellipse: s-maj=1468.0km s-min=144.8km az=75.0.
ISC II 23 21 10 31.0–.25 21.28S–.05 174.35E–.04 10 5.4b,5.2s 814 5-169
IDC II 23 21 10 29.6–.52 21.30S 174.30E 0 4.9s,4.6 **¶610240057**
BJI II 23 21 10 30.3–.00 21.30S 174.22E 7 5.4b,5.1s
NEIC II 23 21 10 31.5 21.16S 174.27E 12 5.4b,5.1s
NEIC II 23 21 10 31.5 21.26S 174.38E 12 5.4b,5.1s
NEIC II 23 21 10 31.5–2.1 21.26S–.08 174.38E–.08 10–1 5.5,5.5b
MOS II 23 21 10 33.5–1.9 21.37S 174.24E 28 5.4b,5.1s
GCMT II 23 21 10 34.5–.10 21.20S–.01 174.30E–.01 12 5.4W,5.1s
NOU II 23 21 10 38.0 21.37S 174.24E 43 5.1b,5.1s
ISC Event type se.
IDC Error ellipse: s-maj=16.9km s-min=14.4km az=128.0.
NEIC Event type se. Moment Tensor Solution.Duration: 2s8 Moment tensor: Scale 10^{17}Nm;
M_{rr}-0.46 $M_{\theta\theta}$-1.02 $M_{\phi\phi}$1.48 $M_{r\theta}$0.71 $M_{\theta\phi}$-1.29 $M_{\phi r}$0.41 NP1:ϕ_s198.50000°,δ72.47000°
,λ-22.28000°. NP2:ϕ_s295.54000°,δ68.81000°,λ-161.16000°. Principal axes:
T 2.0361,Plg2.0000°,Azm248.0000°; N -0.0305,Plg62.0000°,Azm342.0000°
; P -2.0057,Plg28.0000°,Azm156.0000° $M_0$2.02000×10^{17}
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=11.2km az=151.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=9.9km s-min=9.0km az=47.7.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function. Moment Tensor Solution. s131,c220; s153,c282;Duration: 1s3
Moment tensor: Scale 10^{17}Nm; M_{rr}-0.17±.02 $M_{\theta\theta}$-1.22±.02; $M_{\phi\phi}$1.40±.02; $M_{r\theta}$0.09±.04;
$M_{\theta\phi}$-1.10±.02; $M_{\phi r}$0.46±.04; Best double couple: NP1:ϕ_s25.00000°,δ89.00000°,λ15.00000°.
NP2:ϕ_s295.00000°,δ75.00000°,λ179.00000°. Principal axes: T 1.8800,Plg11.0000°
,Azm251.0000°; N -0.2150,Plg75.0000°,Azm30.0000°; P -1.6590,Plg9.0000°,Azm159.0000°
$M_0$1.77000×10^{17}
NOU Vanuatu Islands Region.
IDC II 23 22 47 12.2–5.4 19.15S 166.72E 0 4.1,4.1b
¶610384905
IDC Error ellipse: s-maj=111.3km s-min=59.8km az=15.0.
ISC II 24 14 50 42.7–2.2 21.8S–.40 174.8E–.30 10 3.7b,3.6s 8 5-92
IDC II 24 14 50 39.9–3.1 22.12S 174.94E 0 5.2L,3.7 **¶610272969**
ISC Event type se.
IDC Error ellipse: s-maj=126.3km s-min=25.6km az=150.0.
IDC III 04 12 39 44.0–8.5 16.74S 162.90E 0 3.9,3.9b
¶610545523
IDC Error ellipse: s-maj=169.7km s-min=38.7km az=33.0.
ISC III 15 16 45 09.9–.77 20.3S–.20 172.5E–.10 35 3.8b,3.6s 16 6-147
IDC III 15 16 45 04.9–1.1 20.31S 172.52E 0 4.2L,3.9 **¶610546261**
ISC Event type ke.
IDC Error ellipse: s-maj=43.4km s-min=21.2km az=152.0.

ISC III 17 04 01 52.1–2.5 13.6S–.40 170.1E–.10 600 4.2b 6 9-36
IDC III 17 04 01 52.0–4.0 13.55S 170.10E 599–76 4.3,3.4b **¶610546357**
ISC Event type ke.
IDC Error ellipse: s-maj=86.6km s-min=52.8km az=166.0.
ISC III 17 07 32 53.5–1.3 20.8S–.60 172.4E–.30 35 3.8b,3.3s 9 6-147
IDC III 17 07 32 48.5–1.6 20.92S 172.42E 0 4.6L,3.8 **¶610546365**
ISC Event type ke.
IDC Error ellipse: s-maj=108.4km s-min=19.7km az=157.0.
ISC III 21 18 56 24.8–4.0 19.1S–.20 167.8E–.50 35 3.8b 9 3-32
NOU III 21 18 55 54.3 18.31S 170.01E 341 4.0 **¶610543419**
IDC III 21 18 56 06.0–24 18.62S 169.40E 0 3.7b,3.6
ISC Event type ke.
NOU Vanuatu Islands.
IDC Error ellipse: s-maj=425.3km s-min=70.4km az=87.0.
IDC III 22 18 53 51.2–65 13.42S 169.82E 0 3.8,3.8b
¶610543483
IDC Error ellipse: s-maj=1119.0km s-min=130.2km az=65.0.
ISC III 24 22 57 42.9–1.1 19.27S–.07 167.8E–.10 10 3.9b,3.4s 12 2-91
IDC III 24 22 57 41.5–2.1 19.30S 167.92E 0 3.7,3.7b **¶610543621**
NOU III 24 22 57 41.6 19.20S 167.73E 0 4.1,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=65.2km s-min=30.0km az=128.0.
NOU Vanuatu Islands Region.
IDC III 27 23 00 20.6–3.8 19.20S 167.44E 0 3.8,3.8b
¶610543821
IDC Error ellipse: s-maj=62.7km s-min=32.1km az=53.0.
IDC IV 04 12 40 53.0–11 14.74S 164.03E 0 3.8,3.8b
¶610651914
IDC Error ellipse: s-maj=196.4km s-min=33.7km az=46.0.
ISC IV 07 19 05 54.3–1.4 13.7S–.20 169.9E–.20 600 3.2b 10 9-85
IDC IV 07 19 05 54.9–2.8 13.91S 170.10E 618–28 3.7,2.6b **¶610652174**
ISC Event type ke.
IDC Error ellipse: s-maj=51.2km s-min=30.2km az=141.0.
ISC IV 10 18 48 36.9–.34 19.41S–.06 167.45E–.06 26 5.0b,4.0s 410 3-165
MOS IV 10 18 48 33.5–1.2 19.27S 167.40E 10 5.2b,4.0s **¶610526186**
NEIC IV 10 18 48 34.7–2.3 19.4S–.10 167.6E–.10 10–1 5.1b,4.0s
BJI IV 10 18 48 34.1–.00 18.95S 167.62E 8 5.3b,5.0s
GCMT IV 10 18 48 38.7–.20 19.30S–.02 167.36E–.01 18–0 5.0W,5.0s
IDC IV 10 18 48 39.4–2.5 19.42S 167.45E 43–24 4.6,4.6L
ISC Event type se.
MOS Error ellipse: s-maj=9.8km s-min=8.7km az=16.2.
NEIC Event type se. Error ellipse: s-maj=19.2km s-min=13.5km az=141.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s57,c70; s105,c156;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.58±.14 $M_{\theta\theta}$-0.13±.09; $M_{\phi\phi}$3.70±.10; $M_{r\theta}$-1.30±.25; $M_{\theta\phi}$-1.16±.06; $M_{\phi r}$-0.12±.21; Best double couple: NP1:ϕ_s146.00000°,δ50.00000°,λ-116.00000°. NP2:ϕ_s3.00000°,δ46.00000°,λ-62.00000°. Principal axes: T 4.0320,Plg2.0000°,Azm254.0000°; N 0.0070,Plg20.0000°,Azm163.0000° ; P -4.0450,Plg70.0000°,Azm349.0000° $M_0$4.03900×10^{16}
IDC Error ellipse: s-maj=18.8km s-min=15.7km az=150.0.
ISC IV 16 05 59 31.8–.45 14.25S–.07 170.38E–.08 628 4.3b 89 7-132
NOU IV 16 05 59 30.6 14.11S 170.50E 631 4.4b **¶610528775**
IDC IV 16 05 59 30.5–1.2 14.13S 170.31E 614–15 4.2,3.2b
NEIC IV 16 05 59 32.8–1.7 14.27S–.10 170.4E–.10 639–10 4.3b,3.2b
ISC Event type se.
NOU Vanuatu Islands Region.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 19 05 01 05.9–.30 14.11S–.04 170.18E–.04 617–2 4.8b 784 7-171
BJI IV 19 05 01 04.2–.00 13.94S 170.44E 619 4.8b,4.7b **¶615092592**
IDC IV 19 05 01 05.4–.50 14.07S 170.19E 608–5 5.2,4.2b
NEIC IV 19 05 01 06.0–2.3 14.05S–.09 170.3E–.10 611–6 4.8b,4.2b
NOU IV 19 05 01 06.1 13.99S 170.16E 617 5.1b,4.2b
GCMT IV 19 05 01 08.0–.20 13.95S–.02 170.08E–.02 619–1 5.6W,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Vanuatu Islands Region.
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. Moment Tensor Solution. s132,c207;Duration: 1ș5 Moment tensor: Scale 10^{17}Nm; M_{rr}-2.17±.05 $M_{\theta\theta}$1.38±.08; $M_{\phi\phi}$0.78±.08; $M_{r\theta}$1.27±.07; $M_{\theta\phi}$1.99±.07; $M_{\phi r}$-0.57±.07; Best double couple: NP1: ϕ_s257.00000°,δ59.00000°,λ-53.00000°. NP2:ϕ_s21.00000°,δ47.00000°,λ-135.00000°. Principal axes: T 3.1670,Plg7.0000°,Azm321.0000°; N -0.1740,Plg31.0000°,Azm55.0000° ; P -2.9940,Plg58.0000°,Azm220.0000° $M_0$3.08100×10^{17}
IDC IV 20 02 07 19.8–1.7 18.68S 165.46E 0 3.7b,3.6
¶610653090
IDC Error ellipse: s-maj=38.9km s-min=35.7km az=103.0.
ISC IV 21 15 48 59.0–.72 13.0S–.10 169.04E–.10 625 4.3b 66 8-95
IDC IV 21 15 48 59.4–1.6 12.96S 169.01E 622–21 4.5,3.3b **¶610653208**
NEIC IV 21 15 49 00.1–1.6 13.0S–.10 169.1E–.10 648–13 4.4b,3.3b
NOU IV 21 15 49 16.5 14.17S 167.99E 510 4.7,3.3b
ISC Event type se.
IDC Error ellipse: s-maj=22.5km s-min=17.6km az=176.0.
NEIC Event type se. Error ellipse: s-maj=21.8km s-min=18.6km az=215.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Vanuatu Islands.
ISC IV 22 02 31 53.0–1.5 13.8S–.40 171.7E–.30 35 4.3b 7 32-95
IDC IV 22 02 31 47.8–1.7 13.79S 171.71E 0 4.2,4.2b **¶610653234**
ISC Event type ke.
IDC Error ellipse: s-maj=79.6km s-min=20.9km az=139.0.
ISC IV 29 13 00 26.9–.65 13.7S–.10 172.1E–.10 35 4.0b 15 7-171
IDC IV 29 13 00 21.8–.90 13.61S 172.06E 0 4.1,4.1b **¶610650309**
ISC Event type ke.
IDC Error ellipse: s-maj=28.5km s-min=19.3km az=142.0.
IDC V 01 02 21 41.7–2.7 17.51S 172.99E 0 3.7,3.7b
¶610689275
IDC Error ellipse: s-maj=339.4km s-min=36.0km az=161.0.
ISC V 08 09 37 02.8–1.0 17.7S–.50 172.9E–.10 10 3.6b 6 5-98
IDC V 08 09 37 01.4–1.2 17.74S 172.85E 0 5.1L,3.8b **¶610689789**
ISC Event type ke.
IDC Error ellipse: s-maj=90.4km s-min=23.1km az=164.0.
IDC V 09 11 38 29.3–73 19.41S 167.30E 0 4.2,4.2b
¶610689894
IDC Error ellipse: s-maj=1220.0km s-min=109.8km az=74.0.
IDC V 16 10 43 16.6–12 15.06S 164.59E 0 3.7b,3.6
¶610690411
IDC Error ellipse: s-maj=216.9km s-min=35.3km az=49.0.
IDC V 18 09 54 39.1–14 15.43S 164.40E 0 3.6,3.6b
¶610690582
IDC Error ellipse: s-maj=270.1km s-min=44.2km az=43.0.
IDC VI 06 22 56 43.1–3.0 13.13S 171.84E 0 3.9,3.9b
¶610791360
IDC Error ellipse: s-maj=139.1km s-min=47.9km az=142.0.
ISC VI 11 10 47 11.7–1.2 13.9S–.10 169.7E–.20 10 4.7b,3.7s 26 8-96
NEIC VI 11 10 47 09.8–1.8 13.7S–.10 169.9E–.20 10–2 4.7b,3.7s **¶610791647**
IDC VI 11 10 47 10.6–1.9 13.79S 169.60E 0 4.3,4.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=33.3km s-min=19.6km az=125.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=59.9km s-min=25.4km az=126.0.
ISC VI 25 09 22 44.4–.57 19.7S–.10 174.39E–.09 550 4.4b 54 4-93
IDC VI 25 09 22 44.6–.96 19.62S 174.33E 548–10 4.5,3.6b **¶610789437**
NEIC VI 25 09 22 44.5–1.6 19.8S–.20 174.4E–.10 542–7 4.3b,3.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(186) Vanuatu Islands.

NOU I 02 00 01 20.3 19.47S 170.78E 279 3.8b
¶612488233
NOU Vanuatu Islands.
ISC I 02 12 41 42.4–.62 20.58S–.06 169.77E–.06 114–5 4.6b 123 2-149
IDC I 02 12 41 42.4–.73 20.53S 169.69E 114–5 4.3,4.0b **¶609949683**
NOU I 02 12 41 43.2 20.53S 169.70E 116 4.7b,4.0b
NEIC I 02 12 41 43.8–2.7 20.7S–.10 169.8E–.10 122–7 4.7b,4.0b
ISC Event type se.
NOU Vanuatu Islands.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 02 14 19 38.8–.45 16.08S–.06 167.54E–.06 39 4.4b 61 2-152
IDC I 02 14 19 38.4–3.0 16.12S 167.65E 43–28 5.6L,4.2 **¶609949692**
NOU I 02 14 19 39.7 16.33S 167.54E 0 5.0,4.2
NEIC I 02 14 19 39.6–1.4 16.12S–.06 167.55E–.07 48–8 4.6b,4.2
ISC Event type se.
NOU Vanuatu Islands.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 03 03 40 59.6–.57 19.10S–.07 169.37E–.09 246 3.9b 47 2-147
NEIC I 03 03 40 59.2–1.3 19.0S–.10 169.3E–.10 232–6 4.0b **¶610236529**
IDC I 03 03 41 00.5–1.9 19.20S 169.48E 260–23 4.2,3.6b
NOU I 03 03 41 00.4 19.11S 169.39E 222 3.9,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=23.0km s-min=10.3km az=153.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=40.4km s-min=14.0km az=151.0.
NOU Vanuatu Islands.
NOU I 03 12 05 37.7 16.33S 167.53E 0 4.0
¶612488264
NOU Vanuatu Islands.
ISC I 04 01 06 10.7–.24 17.85S–.04 167.16E–.03 20 5.5b,5.1s 695 1-166
MOS I 04 01 06 07.6–.99 17.80S 167.12E 13 5.5b,5.1s **¶609975350**
IDC I 04 01 06 07.9–.50 17.77S 167.06E 0 5.8L,5.0
BJI I 04 01 06 08.1–.00 17.34S 167.52E 7 5.4b,5.2s
NOU I 04 01 06 09.3 17.83S 167.14E 0 5.3L,5.2s
NEIC I 04 01 06 10.9–2.1 17.87S–.07 167.12E–.07 22–4 5.6b,5.6
GCMT I 04 01 06 15.9–.30 17.79S–.02 167.00E–.02 29–1 5.7W,5.6
NEIC I 04 01 06 17.9 17.99S 167.13E 30 5.7W,5.6
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s74.67500°,δ40.49440°,λ11.57618°. NP2: ϕ_s335.82105°,δ82.51248°,λ129.91390°. Principal axes: T Plg39.0410°,Azm281.5638° ; N Plg39.5064°,Azm149.5998°; P Plg26.4611°,Azm35.3702°
MOS Error ellipse: s-maj=8.1km s-min=7.8km az=146.5.
IDC Error ellipse: s-maj=14.3km s-min=13.0km az=56.0.
NOU Vanuatu Islands.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=9.9km az=104.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s19,c21; s108,c141;Duration: 1ș6 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.49±.28 $M_{\theta\theta}$-0.90±.17; $M_{\phi\phi}$2.38±.18; $M_{r\theta}$-0.59±.28; $M_{\theta\phi}$2.81±.10; $M_{\phi r}$1.36±.30; Best double couple: NP1:ϕ_s171.00000°,δ73.00000°,λ-148.00000°. NP2:ϕ_s71.00000°,δ59.00000°,λ-19.00000°. Principal axes: T 4.1400,Plg9.0000° ,Azm298.0000°; N -0.8210,Plg54.0000°,Azm195.0000°; P -3.3240,Plg34.0000° ,Azm35.0000° $M_0$3.73200×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 3ș2 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.11 $M_{\theta\theta}$-0.98 $M_{\phi\phi}$1.08 $M_{r\theta}$-0.43 $M_{\theta\phi}$2.74 $M_{\phi r}$0.90 NP1:ϕ_s170.45000°,δ85.20000° ,λ-161.84000°. NP2:ϕ_s78.88000°,δ71.90000°,λ-5.05000°. Principal axes: T 3.0650,Plg9.0000°,Azm303.0000°; N 0.0655,Plg71.0000°,Azm185.0000° ; P -3.1304,Plg16.0000°,Azm36.0000° $M_0$3.10000×10^{17}
ISC I 05 00 05 02.9–.48 14.87S–.06 167.44E–.07 129 4.5b 105 3-154
NOU I 05 00 05 01.2 14.54S 167.56E 122 4.6b **¶610236744**
IDC I 05 00 05 03.7–2.3 14.86S 167.46E 140–19 4.5,4.1b
NEIC I 05 00 05 04.5–2.1 14.86S–.10 167.4E–.10 136–7 4.6b,4.1b
ISC Event type se.
NOU Vanuatu Islands.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU I 06 04 29 08.1 14.56S 167.35E 134 4.0b
¶612488297
NOU Vanuatu Islands.
ISC I 07 02 46 41.8–.38 13.29S–.06 167.17E–.08 180 4.5b 118 5-154
NOU I 07 02 46 39.7 13.01S 167.39E 174 4.4L **¶610180864**
IDC I 07 02 46 41.1–.77 13.29S 167.06E 163–5 4.5,4.0b
NEIC I 07 02 46 42.3–1.5 13.27S–.10 167.2E–.10 180–7 4.6b,4.0b
ISC Event type se.
NOU Vanuatu Islands.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC I 09 08 33 29.9–60 13.30S 167.47E 0 3.7,3.7b
¶610237010
IDC Error ellipse: s-maj=1011.0km s-min=114.5km az=63.0.
NOU I 09 18 43 59.9 19.44S 169.61E 17 4.1
¶612488358
NOU Vanuatu Islands.
ISC I 11 13 59 34.9–.63 15.43S–.07 167.55E–.09 124 4.3b 52 2-121
NEIC I 11 13 59 35.4–2.5 15.48S–.09 167.7E–.10 129–5 4.4b **¶610064821**
IDC I 11 13 59 37.8–2.2 15.45S 167.38E 152–19 4.1,3.6b
NOU I 11 13 59 46.0 16.46S 167.44E 0 4.6b,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.1km s-min=12.1km az=99.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=20.3km s-min=15.0km az=54.0.
NOU Vanuatu Islands.
ISC I 11 14 06 02.2–.45 15.42S–.06 167.56E–.07 124 4.3b 92 2-133
IDC I 11 14 06 01.9–1.7 15.40S 167.56E 122–14 4.3,4.0b **¶610064822**
NEIC I 11 14 06 03.6–1.9 15.53S–.09 167.6E–.10 133–8 4.5b,4.0b
NOU I 11 14 06 13.3 16.48S 167.45E 0 5.0b,4.0b
ISC Event type se.
IDC Error ellipse: s-maj=16.2km s-min=11.4km az=79.0.
NEIC Event type se. Error ellipse: s-maj=19.4km s-min=13.4km az=81.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Vanuatu Islands.
ISC I 12 17 19 12.4–1.2 17.6S–.10 167.93E–.10 27 3.7b 9 0-85
IDC I 12 17 19 09.6–3.4 17.41S 167.66E 0 3.7,3.7b **¶610237249**
NOU I 12 17 19 11.6 17.34S 167.90E 0 4.3,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=75.8km s-min=36.4km az=101.0.
NOU Vanuatu Islands.
ISC I 16 01 16 39.2–.35 13.71S–.03 166.44E–.03 22–2 5.7b,5.5s 1265 4-169
BJI I 16 01 16 36.5–.00 13.28S 166.68E 11 5.8b,5.5s **¶610095192**
NEIC I 16 01 16 38.0–1.4 13.64S–.06 166.52E–.07 14–2 5.8,5.7b
MOS I 16 01 16 39.8–1.1 13.62S 166.39E 34 6.0b,5.4s
NEIC I 16 01 16 43 13.56S 166.17E 16 6.0b,5.4s
NOU I 16 01 16 43.5 13.69S 166.37E 44 5.7L,5.4s
GCMT I 16 01 16 43.0–.10 13.62S–.01 166.40E 19–0 5.8W,5.4s
IDC I 16 01 16 44.1–1.3 13.70S 166.42E 65–10 5.4,5.3s
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s182.69551°,δ23.58950°,λ90.75539°. NP2: ϕ_s1.87126°,δ66.41267°,λ89.67016°. Principal axes: T Plg68.5856°,Azm271.2325° ; N Plg0.3023°,Azm2.0032°; P Plg21.4120°,Azm92.1218°
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=8.9km az=59.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}2.57 $M_{\theta\theta}$0.87 $M_{\phi\phi}$-3.44 $M_{r\theta}$-0.44 $M_{\theta\phi}$0.06 $M_{\phi r}$-1.59 NP1:ϕ_s189.84000°,δ59.85000°,λ102.66000°. NP2:ϕ_s345.74000°,δ32.47000° ,λ69.32000°. Principal axes: T 3.0560,Plg72.0000°,Azm130.0000°; N 0.7785,Plg11.0000° ,Azm3.0000°; P -3.8344,Plg14.0000°,Azm271.0000° $M_0$3.51000×10^{17}

MOS Error ellipse: s-maj=7.4km s-min=6.0km az=130.5.
NEIC Event type se. Moment Tensor Solution.Duration: 8^{s}0 Moment tensor: Scale 10^{17}Nm; M_{rr}5.83 $M_{\theta\theta}$0.36 $M_{\phi\phi}$-6.19 $M_{r\theta}$-0.38 $M_{\theta\phi}$0.58 $M_{\phi r}$0.18 NP1:ϕ_s179.00000°,δ44.00000° ,λ95.00000°. NP2:ϕ_s351.00000°,δ46.00000°,λ85.00000°. Principal axes: T 5.8568,Plg86.0000°,Azm190.0000°; N 0.3860,Plg4.0000°,Azm355.0000° ; P -6.2428,Plg1.0000°,Azm85.0000° $M_0$6.06000$\times10^{17}$
NOU Vanuatu Islands.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s158,c332; s161,c488; Duration: 1^{s}9 Moment tensor: Scale 10^{17}Nm; M_{rr}5.35±.04 $M_{\theta\theta}$0.32±.03; $M_{\phi\phi}$-5.66±.03; $M_{r\theta}$0.41±.08; $M_{\theta\phi}$0.48±.03; $M_{\phi r}$-1.99±.07; Best double couple: NP1:ϕ_s173.00000°,δ55.00000° ,λ87.00000°. NP2:ϕ_s358.00000°,δ35.00000°,λ94.00000°. Principal axes: T 5.7180,Plg80.0000°,Azm70.0000°; N 0.3450,Plg3.0000°,Azm175.0000° ; P -6.0560,Plg10.0000°,Azm265.0000° $M_0$5.88700$\times10^{17}$
IDC Error ellipse: s-maj=11.6km s-min=10.0km az=39.0.
ISC I 16 01 59 13.2–.81 13.67S–.09 166.6E–.20 39 3.7b 11 8-119
IDC I 16 01 59 07.7–1.1 13.51S 166.51E 0 3.8b,3.7 **¶610237470**
ISC Event type ke.
IDC Error ellipse: s-maj=43.4km s-min=22.0km az=132.0.
ISC I 16 02 53 38.4–.89 13.62S–.09 166.3E–.20 35 3.8b 11 8-150
IDC I 16 02 53 33.2–1.0 13.51S 166.25E 0 3.9b,3.8 **¶610237474**
ISC Event type ke.
IDC Error ellipse: s-maj=38.8km s-min=22.9km az=123.0.
IDC I 16 04 03 29.3–1.5 13.14S 165.73E 0 3.6L,3.5
¶610237479
IDC Error ellipse: s-maj=52.0km s-min=31.3km az=128.0.
ISC I 16 04 23 47.0–1.2 13.8S–.10 166.3E–.20 35 3.9b,3.6s 8 8-119
IDC I 16 04 23 42.1–1.4 13.60S 166.16E 0 4.0,4.0b **¶610237481**
ISC Event type ke.
IDC Error ellipse: s-maj=50.3km s-min=25.8km az=128.0.
ISC I 16 06 31 22.6–1.4 13.5S–.10 166.4E–.20 39 3.8b 8 8-96
IDC I 16 06 31 16.8–1.5 13.52S 166.42E 0 3.9,3.9b **¶610237494**
ISC Event type ke.
IDC Error ellipse: s-maj=40.8km s-min=24.8km az=118.0.
IDC I 16 11 19 49.8–64 13.31S 166.49E 0 3.8,3.8b
¶610237510
IDC Error ellipse: s-maj=1084.0km s-min=114.2km az=63.0.
ISC I 16 13 52 09.7–1.5 13.9S–.10 166.3E–.30 43 3.6b 6 8-86
IDC I 16 13 52 03.8–1.8 13.75S 166.29E 0 3.8s,3.6 **¶610237520**
ISC Event type ke.
IDC Error ellipse: s-maj=52.2km s-min=31.2km az=112.0.
NOU I 16 14 09 21.5 14.54S 167.48E 148 4.8L
¶612488415
NOU Vanuatu Islands.
ISC I 16 20 47 40.1–.43 13.58S–.04 166.45E–.03 25–2 5.8s,5.5b 945 4-169
IDC I 16 20 47 35.2–.35 13.59S 166.50E 0 5.5s,5.1b **¶611831581**
BJI I 16 20 47 36.4–.00 13.09S 166.79E 10 5.8b,5.8s
MOS I 16 20 47 37.9–.96 13.50S 166.43E 22 5.8b,5.7s
NEIC I 16 20 47 39.2–2.7 13.55S–.07 166.42E–.08 15–2 5.9,5.9
GCMT I 16 20 47 43.2–.10 13.54S–.01 166.36E 20–0 5.9W,5.9
NOU I 16 20 47 44.9 13.59S 166.21E 36 5.6L,5.9
NEIC I 16 20 47 48.3 13.79S 166.47E 24 5.6L,5.9
ISC Event type se.
IDC Error ellipse: s-maj=14.2km s-min=11.4km az=87.0.
MOS Error ellipse: s-maj=8.3km s-min=5.8km az=126.9.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=9.8km az=77.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}6.32 $M_{\theta\theta}$-0.98 $M_{\phi\phi}$-5.35 $M_{r\theta}$6.33 $M_{\theta\phi}$0.81 $M_{\phi r}$-3.69 NP1:ϕ_s135.32000°,δ71.39000°,λ73.03000°. NP2:ϕ_s359.04000°,δ24.98000° ,λ130.91000°. Principal axes: T 10.4877,Plg60.0000°,Azm21.0000°; N -2.6658,Plg16.0000° ,Azm141.0000°; P -7.8219,Plg25.0000°,Azm238.0000° $M_0$9.44000$\times10^{17}$
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s165,c339; s154,c495; Duration: 2^{s}2 Moment tensor: Scale 10^{18}Nm; M_{rr}0.81±.01 $M_{\theta\theta}$-0.05±.01; $M_{\phi\phi}$-0.75±.01; $M_{r\theta}$0.35±.01; $M_{\theta\phi}$0.32±.00; $M_{\phi r}$-0.31±.01; Best double couple: NP1:ϕ_s146.00000°,δ59.00000° ,λ75.00000°. NP2:ϕ_s353.00000°,δ34.00000°,λ113.00000°. Principal axes: T 0.9550,Plg72.0000°,Azm21.0000°; N 0.0200,Plg13.0000°,Azm153.0000° ; P -0.9740,Plg13.0000°,Azm246.0000° $M_0$0.96400$\times10^{18}$
NOU Vanuatu Islands.
NEIC Event type se. Moment Tensor Solution. Duration: 4^{s}3 Moment tensor: Scale 10^{17}Nm; M_{rr}8.82 $M_{\theta\theta}$-1.43 $M_{\phi\phi}$-7.39 $M_{r\theta}$3.72 $M_{\theta\phi}$3.10 $M_{\phi r}$-1.44 NP1:ϕ_s141.16000°,δ55.91000° ,λ71.89000°. NP2:ϕ_s351.42000°,δ38.08000°,λ114.66000°. Principal axes: T 10.0396,Plg72.0000°,Azm5.0000°; N -0.8787,Plg15.0000°,Azm152.0000° ; P -9.1609,Plg9.0000°,Azm244.0000° $M_0$9.60000$\times10^{17}$
ISC I 16 23 18 29.1–2.7 14.1S–.60 167.1E–.40 35 3.5b 8 32-97
IDC I 16 23 18 23.8–3.2 14.08S 167.14E 0 3.8b,3.7 **¶610237546**
ISC Event type ke.
IDC Error ellipse: s-maj=117.3km s-min=32.5km az=143.0.
ISC I 17 01 17 47.3–.36 13.64S–.05 166.48E–.05 42–2 5.0b,4.6s 348 7-169
IDC I 17 01 17 40.6–.57 13.67S 166.59E 0 4.7,4.7b **¶610180894**
MOS I 17 01 17 44.9–.92 13.63S 166.52E 35 5.4b,4.6s
NEIC I 17 01 17 47.0–2.0 13.59S–.08 166.64E–.09 37–5 5.1b,4.6s
BJI I 17 01 17 47.6–.00 13.15S 166.70E 46 5.4b,5.0b
GCMT I 17 01 17 47.0–.10 13.60S–.01 166.41E–.01 22–0 5.2W,5.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s107,c160; s119,c183;Duration: 1^{s}0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.76±.02 $M_{\theta\theta}$-0.04±.01; $M_{\phi\phi}$-0.72±.01; $M_{r\theta}$0.28±.02; $M_{\theta\phi}$0.34±.01; $M_{\phi r}$-0.16±.02; Best double couple: NP1:ϕ_s143.00000°,δ56.00000°,λ72.00000°. NP2:ϕ_s353.00000°,δ38.00000°,λ114.00000°. Principal axes: T 0.8520,Plg73.0000° ,Azm7.0000°; N 0.0540,Plg15.0000°,Azm153.0000°; P -0.9060,Plg9.0000°,Azm246.0000° $M_0$0.87900$\times10^{17}$
ISC I 17 01 22 15.5–1.2 13.6S–.10 166.6E–.30 39 3.8b 8 8-119
IDC I 17 01 22 10.0–1.5 13.46S 166.54E 0 3.8b,3.7 **¶610237556**
ISC Event type ke.
IDC Error ellipse: s-maj=53.8km s-min=31.6km az=123.0.
ISC I 17 04 54 07.0–.67 13.72S–.07 166.5E–.10 39 4.3b,3.9s 36 7-153
IDC I 17 04 54 00.9–1.0 13.75S 166.71E 0 4.2b,4.1 **¶610101642**
NEIC I 17 04 54 03.5–1.7 13.7S–.10 166.51E–.06 10–2 4.6b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU I 17 06 56 51.2 16.14S 167.55E 14 3.9
¶612488426
NOU Vanuatu Islands.
ISC I 17 10 28 37.0–.67 13.46S–.07 166.5E–.10 39 4.3b 41 7-150
IDC I 17 10 28 30.6–.90 13.57S 166.76E 0 5.7L,4.1 **¶610237587**
NEIC I 17 10 28 35.0–1.2 13.40S–.06 166.4E–.10 10–1 4.5b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU I 17 14 11 44.4 15.84S 167.29E 15 4.5
¶612488428
NOU Vanuatu Islands.
ISC I 17 16 07 58.6–.73 18.99S–.08 169.66E–.09 300 3.4b 22 2-100
IDC I 17 16 07 57.8–1.4 18.92S 169.65E 283–14 3.9,3.2b **¶610237609**
NOU I 17 16 07 59.0 19.02S 169.72E 255 4.2,3.2b
ISC Event type ke.
IDC Error ellipse: s-maj=18.3km s-min=15.5km az=164.0.
NOU Vanuatu Islands.
ISC I 19 14 16 33.7–.41 18.37S–.06 168.96E–.06 201 4.3b 132 1-146
BGR I 19 14 16 07.4 19.87S 170.71E 33 4.3b **¶610101969**
NEIC I 19 14 16 31.0–2.7 18.32S–.10 169.3E–.10 190–9 4.5b
IDC I 19 14 16 35.1–1.7 18.48S 169.05E 221–17 4.5,3.9b
NOU I 19 14 16 35.3 18.46S 168.97E 211 4.5b,3.9b
ISC Event type se.
BGR Event type ke.
NEIC Event type se. Error ellipse: s-maj=19.3km s-min=9.0km az=127.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=16.3km s-min=12.2km az=165.0.
NOU Vanuatu Islands.
ISC I 19 15 02 05.7–1.0 13.51S–.07 166.3E–.10 39 4.0b,3.4s 27 7-96
IDC I 19 15 01 58.8–1.5 13.38S 166.47E 0 3.9,3.9b **¶610237732**
NEIC I 19 15 02 03.5–1.9 13.56S–.09 166.3E–.10 10–2 4.6b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC I 19 16 09 50.4–81 13.69S 166.21E 0 3.7,3.7b
¶610237734
IDC Error ellipse: s-maj=1361.0km s-min=127.8km az=62.0.
NOU I 19 18 24 44.1 14.74S 167.49E 124 4.4
¶612488450
NOU Vanuatu Islands.
NOU I 20 06 33 15.9 15.38S 167.50E 84 4.6
¶612488454
NOU Vanuatu Islands.
ISC I 20 07 16 34.5–.72 13.24S–.08 166.4E–.20 44 3.8b,3.5s 15 7-152
IDC I 20 07 16 28.3–.87 13.13S 166.35E 0 3.9,3.9b **¶610234920**
ISC Event type ke.
IDC Error ellipse: s-maj=33.1km s-min=20.4km az=117.0.
NOU I 20 21 57 11.4 16.16S 167.55E 15 4.3
¶612488463
NOU Vanuatu Islands.
ISC I 21 00 52 03.7–.96 14.68S–.09 167.4E–.10 170 4.0b 25 3-97
IDC I 21 00 52 01.3–5.1 14.44S 167.40E 155–45 3.8,3.4b **¶610234969**
NEIC I 21 00 52 02.0–1.8 14.6S–.10 167.5E–.20 141–10 4.2b,3.4b
NOU I 21 00 52 06.7 14.70S 167.24E 93 4.5,3.4b
ISC Event type se.
IDC Error ellipse: s-maj=35.3km s-min=32.4km az=157.0.
NEIC Event type se. Error ellipse: s-maj=24.1km s-min=14.6km az=97.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Vanuatu Islands.
ISC I 21 09 03 15.0–.59 14.89S–.08 167.43E–.09 129 4.3b 70 3-126
NEIC I 21 09 03 13.9–1.8 14.80S–.10 167.5E–.10 114–9 4.4b **¶610234988**
NOU I 21 09 03 14.6 14.84S 167.50E 130 4.5b
IDC I 21 09 03 17.7–2.4 14.96S 167.31E 148–20 4.3,3.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.5km s-min=3.0km az=49.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Vanuatu Islands.
IDC Error ellipse: s-maj=17.3km s-min=16.8km az=100.0.
IDC I 22 04 15 22.1–3.5 14.93S 167.94E 0 3.7,3.7b
¶610235055
IDC Error ellipse: s-maj=78.6km s-min=39.8km az=97.0.
NOU I 22 14 58 54.5 19.20S 169.84E 0 3.5b
¶612488478
NOU Vanuatu Islands.
ISC I 24 16 17 50.7–.39 19.21S–.05 169.39E–.04 250–3 4.9b 573 2-167
BJI I 24 16 17 49.0–.00 19.20S 169.40E 240 5.1b,4.5b **¶610114198**
MOS I 24 16 17 50.9–.94 19.25S 169.39E 263 5.0b,4.5b
NEIC I 24 16 17 50.6–1.3 19.18S–.09 169.44E–.09 241–6 5.1b,4.5b
NOU I 24 16 17 51.5 19.21S 169.40E 241 4.6b,4.5b
IDC I 24 16 17 51.4–.90 19.26S 169.38E 258–8 4.7,4.2b
GCMT I 24 16 17 51.6–.30 19.20S–.02 169.35E–.02 251–2 5.2W,4.2b
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s170.92915°,δ68.47366°,λ47.72963°. NP2: ϕ_s58.94675°,δ46.49920°,λ149.61191°. Principal axes: T Plg48.2627°,Azm35.3309° ; N Plg38.7346°,Azm189.3744°; P Plg13.1375°,Azm290.1649°
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Vanuatu Islands.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s49,c68; s94,c125;Duration: 1^{s}0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.83±.19 $M_{\theta\theta}$1.19±.20; $M_{\phi\phi}$-4.02±.20; $M_{r\theta}$3.45±.21; $M_{\theta\phi}$-5.30±.18; $M_{\phi r}$-1.72±.19; Best double couple: NP1:ϕ_s70.00000°,δ65.00000°,λ149.00000°. NP2:ϕ_s174.00000°,δ62.00000°,λ28.00000°. Principal axes: T 7.5900,Plg39.0000° ,Azm31.0000°; N -0.2550,Plg51.0000°,Azm216.0000°; P -7.3350,Plg2.0000°,Azm123.0000° $M_0$7.46300$\times10^{16}$
NOU I 24 20 30 10.2 14.75S 166.97E 57 4.8
¶612488500
NOU Vanuatu Islands.
ISC I 25 01 21 29.8–.38 15.62S–.06 167.70E–.08 124 4.5b 125 2-166
NEIC I 25 01 21 29.9–1.4 15.7S–.10 167.8E–.10 124–7 4.6b **¶610114478**
IDC I 25 01 21 30.7–2.2 15.61S 167.70E 131–19 4.4,4.0s
NOU I 25 01 21 33.4 15.68S 167.66E 94 4.8b,4.0s
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.3km s-min=14.5km az=87.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=15.2km s-min=14.3km az=111.0.
NOU Vanuatu Islands.
ISC I 26 13 03 55.7–1.6 14.4S–.10 167.0E–.20 35 3.7b 7 8-86
IDC I 26 13 03 50.5–2.0 14.10S 166.83E 0 3.9,3.8b **¶610235383**
ISC Event type ke.
IDC Error ellipse: s-maj=49.2km s-min=32.5km az=127.0.
ISC I 26 17 55 41.7–.66 13.26S–.09 167.3E–.10 200 4.2b 37 8-153
IDC I 26 17 55 37.1–11 13.21S 167.36E 157–97 4.1,3.6b **¶610235402**
NEIC I 26 17 55 41.8–1.8 13.3S–.10 167.4E–.10 200–2 4.5b,3.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU I 26 19 33 33.5 20.40S 170.47E 186 4.1
¶612488527
NOU Vanuatu Islands.
ISC I 27 01 23 24.3–.89 13.4S–.10 166.2E–.10 36 4.0b,3.5s 15 5-152
IDC I 27 01 23 18.7–2.2 13.43S 166.16E 0 4.0,4.0b **¶610235426**
NOU I 27 01 23 26.9 13.76S 166.37E 7 4.5b,4.0b
ISC Event type ke.
IDC Error ellipse: s-maj=79.2km s-min=25.6km az=133.0.
NOU Vanuatu Islands.
ISC I 27 02 20 30.0–.86 13.50S–.09 166.3E–.20 35 3.9b,3.5s 12 7-153
IDC I 27 02 20 25.2–1.1 13.31S 166.16E 0 4.1L,3.9 **¶610235429**
ISC Event type ke.
IDC Error ellipse: s-maj=41.7km s-min=22.1km az=128.0.
NOU I 27 08 26 29.5 16.35S 167.54E 0 4.3
¶612488534
NOU Vanuatu Islands.
ISC I 27 09 41 34.0–2.3 17.7S–.10 168.6E–.20 100 4.2b 32 0-38
NOU I 27 09 41 38.0 17.93S 168.30E 0 4.0 **¶610235467**
NEIC I 27 09 41 41.5–1.9 18.17S–.07 168.5E–.10 161–19 4.2b
IDC I 27 09 41 45.4–7.7 18.44S 168.37E 190–47 4.0,3.5b
ISC Event type se.
NOU Vanuatu Islands.
NEIC Event type se. Error ellipse: s-maj=21.7km s-min=4.8km az=116.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=91.8km s-min=62.2km az=87.0.
ISC I 27 18 40 25.2–2.3 19.07S–.09 168.9E–.30 200 3.9b 13 1-33
IDC I 27 18 40 07.4–8.9 18.59S 170.82E 222–49 4.2,3.7b **¶610235491**
NOU I 27 18 40 25.5 19.06S 169.17E 206 3.9,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=95.3km s-min=73.4km az=103.0.
NOU Vanuatu Islands.
IDC I 28 00 28 52.8–12 13.47S 167.87E 234–146 3.7,3.1b
¶610235520
IDC Error ellipse: s-maj=133.3km s-min=56.2km az=147.0.

NOU I 30 16 36 20.5 15.63S 168.04E 5 4.5 ¶612488584
NOU Vanuatu Islands.
ISC I 30 23 35 24.0–.23 14.83S–.03 167.08E–.03 87–1 5.5b 1314 3-169
BJI I 30 23 35 21.0–.00 14.73S 167.11E 79 5.5b,5.3b **¶610148246**
MOS I 30 23 35 22.2–1.0 14.73S 167.06E 78 6.0b,5.3s
IDC I 30 23 35 22.6–.82 14.79S 167.16E 75–5 5.7,5.4b
NEIC I 30 23 35 24.2–1.7 14.77S–.08 167.16E–.08 79–1 5.9,5.9
NOU I 30 23 35 25.4 14.82S 166.99E 86 5.8b,5.9
NEIC I 30 23 35 25 14.69S 166.95E 80 5.8b,5.9
GCMT I 30 23 35 27.2–.10 14.82S 166.86E 88–0 5.9W,5.9
NEIC I 30 23 35 42.7 14.54S 166.52E 86 5.9W,5.9
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s170.76135°,δ42.84941°,λ165.50772°. NP2: ϕ_s271.49158°,δ80.20124°,λ48.07306°. Principal axes: T Plg39.6988°,Azm143.6069° ; N Plg41.1806°,Azm280.1817°; P Plg23.4576°,Azm32.4918°
MOS Error ellipse: s-maj=8.0km s-min=6.6km az=128.2.
IDC Error ellipse: s-maj=10.3km s-min=8.6km az=49.0.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=12.7km az=43.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}2.52 $M_{\theta\theta}$0.88 $M_{\phi\phi}$-3.40 $M_{r\theta}$-6.75 $M_{\theta\phi}$5.01 $M_{\phi r}$0.26 NP1:ϕ_s183.18000°,δ40.07000°,λ162.93000°. NP2:ϕ_s286.40000°,δ79.11000° ,λ51.20000°. Principal axes: T 9.3412,Plg42.0000°,Azm160.0000°; N -0.8404,Plg38.0000° ,Azm295.0000°; P -8.5009,Plg24.0000°,Azm45.0000° $M_0$8.95000×10^{17}
NOU Vanuatu Islands.
NEIC Event type se. Moment Tensor Solution.Duration: 2^{s}0 Moment tensor: Scale 10^{17}Nm; M_{rr}1.75 $M_{\theta\theta}$1.54 $M_{\phi\phi}$-3.29 $M_{r\theta}$-5.41 $M_{\theta\phi}$6.02 $M_{\phi r}$-0.52 NP1:ϕ_s186.00000°,δ52.00000° ,λ166.00000°. NP2:ϕ_s284.00000°,δ79.00000°,λ39.00000°. Principal axes: T 8.9564,Plg35.0000°,Azm152.0000°; N -0.7788,Plg50.0000°,Azm298.0000° ; P -8.1776,Plg17.0000°,Azm50.0000° $M_0$8.59000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s164,c374; s168,c520; Duration: 2^{s}3 Moment tensor: Scale 10^{18}Nm; M_{rr}0.17±.01 $M_{\theta\theta}$0.18±.01; $M_{\phi\phi}$-0.35±.01; $M_{r\theta}$-0.69±.01; $M_{\theta\phi}$0.67±.01; $M_{\phi r}$0.05±.01; Best double couple: NP1:ϕ_s284.00000°,δ82.00000° ,λ44.00000°. NP2:ϕ_s187.00000°,δ46.00000°,λ170.00000°. Principal axes: T 1.0260,Plg35.0000°,Azm155.0000°; N -0.0350,Plg45.0000°,Azm292.0000° ; P -0.9910,Plg23.0000°,Azm48.0000° $M_0$1.00800×10^{18}
NEIC Event type se. Moment Tensor Solution.Duration: 5^{s}2 Moment tensor: Scale 10^{18}Nm; M_{rr}0.21 $M_{\theta\theta}$0.27 $M_{\phi\phi}$-0.48 $M_{r\theta}$-0.57 $M_{\theta\phi}$0.76 $M_{\phi r}$0.13 NP1:ϕ_s286.91000°,δ82.19000° ,λ36.33000°. NP2:ϕ_s191.21000°,δ54.06000°,λ170.34000°. Principal axes: T 0.9882,Plg31.0000°,Azm155.0000°; N 0.0980,Plg53.0000°,Azm297.0000° ; P -1.0863,Plg19.0000°,Azm54.0000° $M_0$1.04000×10^{18}
IDC I 31 19 21 16.4–4.6 13.07S 167.41E 0 3.5,3.5b ¶610235841
IDC Error ellipse: s-maj=191.4km s-min=34.2km az=139.0.
IDC II 01 23 15 01.1–6.6 13.60S 166.26E 0 3.5,3.5b ¶610414631
IDC Error ellipse: s-maj=332.4km s-min=34.0km az=142.0.
ISC II 03 05 13 21.3–.40 14.38S–.06 166.68E–.07 28 4.7b,3.9s 103 7-153
IDC II 03 05 13 16.7–.58 14.31S 166.72E 0 4.6L,4.3b **¶610184305**
BJI II 03 05 13 21.0–.00 14.30S 166.70E 23 5.3b,5.0s
NEIC II 03 05 13 22.9–1.6 14.30S–.01 166.7E–.10 39–7 4.9b,5.0s
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 03 15 45 46.7–1.0 16.04S–.09 168.1E–.10 177 4.1b 57 2-91
NEIC II 03 15 45 42.1–1.3 15.6S–.10 168.4E–.10 160–8 4.1b **¶610414748**
NOU II 03 15 45 48.8 16.18S 168.03E 180 4.1b
IDC II 03 15 45 51.3–3.8 16.32S 168.00E 209–20 4.2,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.7km s-min=14.0km az=149.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Vanuatu Islands.
IDC Error ellipse: s-maj=55.7km s-min=21.0km az=82.0.
ISC II 04 01 21 21.4–1.1 14.7S–.10 167.0E–.10 67 3.9b 20 3-120
IDC II 04 01 21 22.0–3.5 14.63S 167.03E 77–29 4.2,3.8b **¶610414775**
NOU II 04 01 21 28.2 15.13S 167.06E 71 4.8b,3.8b
ISC Event type ke.
IDC Error ellipse: s-maj=26.6km s-min=18.6km az=65.0.
NOU Vanuatu Islands.
ISC II 04 18 31 47.7–.66 16.04S–.05 168.04E–.06 179–5 4.9b 228 2-166
BJI II 04 18 31 44.5–.00 15.63S 168.42E 163 4.8b,4.6b **¶610197577**
NEIC II 04 18 31 46.9–1.5 16.03S–.08 168.1E–.10 169–8 4.9b,4.6b
NOU II 04 18 31 47.5 15.96S 168.07E 177 4.7b,4.6b
IDC II 04 18 31 49.2–1.4 16.03S 167.94E 188–12 4.7,4.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.4km s-min=12.4km az=94.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Vanuatu Islands.
IDC Error ellipse: s-maj=13.4km s-min=10.7km az=78.0.
NOU II 04 19 40 21.8 16.35S 167.32E 9 4.2 ¶612488644
NOU Vanuatu Islands.
IDC II 04 20 51 16.5–8.3 14.98S 167.54E 0 4.3,4.3b ¶610414845
IDC Error ellipse: s-maj=176.4km s-min=38.3km az=29.0.
NOU II 05 07 31 29.2 16.83S 167.70E 15 4.1 ¶612488651
NOU Vanuatu Islands.
ISC II 05 11 26 29.2–.87 14.04S–.08 167.1E–.20 200 3.8b 22 8-125
IDC II 05 11 26 30.1–4.3 14.00S 167.17E 204–44 3.9,3.4b **¶610414878**
NEIC II 05 11 26 31.4–.79 14.1S–.10 167.3E–.20 235–12 4.4b,3.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU II 05 18 47 07.7 16.98S 167.76E 3 4.3 ¶612488657
NOU Vanuatu Islands.
ISC II 05 20 18 54.4–4.1 17.5S–.30 168.7E–.30 100 3.8b 12 0-33
IDC II 05 20 17 20.1–78 14.16S 178.40E 0 3.9,3.9b **¶612488659**
NOU II 05 20 18 46.4 17.11S 169.10E 241 3.8b,3.9b
ISC Event type ke.
IDC Error ellipse: s-maj=1409.0km s-min=160.0km az=72.0.
NOU Vanuatu Islands.
NOU II 06 05 13 46.9 18.35S 170.27E 318 3.7b ¶612488663
NOU Vanuatu Islands.
ISC II 06 15 06 49.9–.94 19.51S–.06 169.1E–.10 150 3.9b 28 2-71
NOU II 06 15 06 45.0 19.53S 169.63E 143 4.2 **¶610414982**
NEIC II 06 15 06 46.8–1.7 19.3S–.10 169.1E–.10 111–7 4.3b
IDC II 06 15 06 48.9–8.1 19.29S 168.93E 122–55 4.0,3.6b
ISC Event type se.
NOU Vanuatu Islands.
NEIC Event type se. Error ellipse: s-maj=20.7km s-min=16.9km az=137.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=131.0km s-min=63.4km az=124.0.
ISC II 07 00 07 27.5–.92 19.24S–.06 169.1E–.10 147 4.3b 35 2-89
NOU II 07 00 07 27.4 19.23S 169.22E 148 4.5 **¶610414994**
IDC II 07 00 07 27.0–7.2 19.15S 168.96E 138–47 4.0,3.5b
NEIC II 07 00 07 28.6–1.9 19.28S–.07 169.08E–.10 154–9 4.3b,3.5b
ISC Event type se.
NOU Vanuatu Islands.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU II 07 02 29 03.1 16.79S 167.73E 21 4.2 ¶612488676
NOU Vanuatu Islands.
ISC II 07 04 51 09.5–1.1 20.5S–.30 170.3E–.20 100 3.8b 10 4-146
IDC II 07 04 51 08.9–2.5 20.35S 170.19E 87–30 4.0,3.7b **¶610415012**
ISC Event type ke.
IDC Error ellipse: s-maj=96.5km s-min=17.5km az=155.0.
ISC II 08 13 26 29.1–.57 20.99S–.09 169.59E–.07 100 4.2b 34 2-146
IDC II 08 13 26 28.9–2.1 20.93S 169.59E 96–17 4.2,3.9b **¶610415121**
NEIC II 08 13 26 28.3–2.3 20.97S–.10 169.63E–.06 83–7 4.5b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 08 14 25 58.2–1.3 13.6S–.10 166.0E–.20 100 3.5b 7 7-96
IDC II 08 14 25 59.7–3.2 13.69S 165.94E 116–30 3.6,3.2b **¶610415125**
ISC Event type se.
IDC Error ellipse: s-maj=33.8km s-min=23.7km az=74.0.
ISC II 09 04 25 42.7–1.1 18.9S–.10 169.5E–.10 300 9 1-125
NOU II 09 04 25 37.5 19.06S 170.14E 299 4.5L **¶610415157**
IDC II 09 04 25 41.5–4.3 18.60S 169.37E 269–59 4.3,3.5b
ISC Event type ke.
NOU Vanuatu Islands.
IDC Error ellipse: s-maj=147.1km s-min=21.9km az=161.0.
IDC II 09 10 21 37.9–73 14.52S 165.02E 0 3.7,3.7b ¶610415169
IDC Error ellipse: s-maj=1221.0km s-min=113.3km az=63.0.
ISC II 10 19 13 29.7–1.2 15.46S–.10 167.5E–.20 124 3.4b 12 6-87
IDC II 10 19 13 30.7–5.0 15.57S 167.57E 137–45 3.7,3.3b **¶610415257**
NOU II 10 19 13 31.8 15.47S 167.27E 75 4.6,3.3b
ISC Event type ke.
IDC Error ellipse: s-maj=36.1km s-min=35.4km az=53.0.
NOU Vanuatu Islands.
ISC II 10 22 59 16.9–.50 18.08S–.06 167.72E–.07 10 4.3b,3.8s 47 1-166
IDC II 10 22 59 15.2–1.1 18.12S 167.82E 0 4.2,4.2b **¶610415265**
NOU II 10 22 59 16.8 17.98S 167.65E 10 4.7,4.2b
NEIC II 10 22 59 17.7–2.1 18.09S–.05 167.69E–.09 10–1 4.5,4.5b
ISC Event type se.
NOU Vanuatu Islands.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}0.67 $M_{\theta\theta}$-4.75 $M_{\phi\phi}$4.08 $M_{r\theta}$-1.59 $M_{\theta\phi}$-4.58 $M_{\phi r}$-3.91 NP1:ϕ_s203.43000°,δ86.81000°,λ33.91000°. NP2:ϕ_s111.29000° ,δ56.15000°,λ176.16000°. Principal axes: T 7.4603,Plg26.0000°,Azm73.0000° ; N 0.3715,Plg56.0000°,Azm208.0000°; P -7.8319,Plg21.0000°,Azm332.0000° $M_0$7.65000×10^{15}
ISC II 11 05 40 28.3–14 15.1S–.70 169E–1.0 200 3.9b 11 3-34
NOU II 11 05 40 42.2 15.83S 168.09E 135 4.6 **¶610415284**
IDC II 11 05 40 43.4–8.9 16.01S 167.95E 223–58 4.0,3.4b
ISC Event type ke.
NOU Vanuatu Islands.
IDC Error ellipse: s-maj=110.8km s-min=60.4km az=71.0.
ISC II 11 09 38 44.3–.44 18.94S–.06 169.20E–.08 200 4.5b 130 2-167
NOU II 11 09 38 44.8 18.90S 169.20E 203 4.5b **¶610208192**
NEIC II 11 09 38 45.3–1.8 19.0S–.10 169.3E–.10 208–8 4.5b
IDC II 11 09 38 46.2–1.4 18.94S 169.07E 220–13 4.4,3.9b
ISC Event type se.
NOU Vanuatu Islands.
NEIC Event type se. Error ellipse: s-maj=16.5km s-min=13.8km az=122.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=15.2km s-min=11.5km az=150.0.
NOU II 12 10 15 12.9 18.88S 170.78E 291 3.8b ¶612488722
NOU Vanuatu Islands.
ISC II 12 23 25 18.0–.86 16.02S–.09 168.2E–.10 177 3.7b 25 2-167
NOU II 12 23 25 19.5 15.92S 167.94E 123 4.5 **¶610415404**
IDC II 12 23 25 22.8–3.8 16.37S 168.18E 225–34 4.1,3.5b
ISC Event type ke.
NOU Vanuatu Islands.
IDC Error ellipse: s-maj=32.1km s-min=24.8km az=3.0.
IDC II 13 03 49 41.2–10 14.63S 165.84E 123–160 3.7,3.4L ¶610415421
IDC Error ellipse: s-maj=312.0km s-min=66.8km az=79.0.
ISC II 13 16 11 31.2–1.5 13.9S–.10 167.0E–.20 200 4.1b 22 7-96
NEIC II 13 16 11 28.5–1.3 13.6S–.20 167.3E–.20 200–19 4.3b **¶610415457**
IDC II 13 16 11 31.6–6.3 13.77S 166.93E 201–57 4.0,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=33.2km s-min=25.1km az=175.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=53.1km s-min=41.6km az=172.0.
NOU II 13 18 53 49.5 16.75S 167.47E 25 4.0 ¶612488733
NOU Vanuatu Islands.
ISC II 14 06 29 21.1–1.5 18.5S–.30 170.9E–.30 250 3.6b 12 3-87
IDC II 14 06 29 19.4–4.3 18.54S 171.03E 235–42 4.0,3.4b **¶610415490**
NOU II 14 06 29 39.3 19.14S 169.30E 218 3.6,3.4b
ISC Event type ke.
IDC Error ellipse: s-maj=92.8km s-min=32.0km az=157.0.
NOU Vanuatu Islands.
NOU II 14 18 02 27.6 15.50S 167.72E 92 4.4 ¶612488745
NOU Vanuatu Islands.
ISC II 14 20 14 17.7–.63 15.22S–.06 167.42E–.10 129 4.5b 58 3-166
IDC II 14 20 14 15.6–3.1 15.02S 167.32E 104–26 4.5,4.2b **¶610415525**
NOU II 14 20 14 15.6 14.95S 167.35E 106 5.1,4.2b
NEIC II 14 20 14 15.6–2.5 15.19S–.10 167.6E–.10 108–8 4.5b,4.2b
ISC Event type se.
NOU Vanuatu Islands.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 14 21 01 32.3–1.3 16.5S–.10 167.46E–.10 20 4.5b,3.8s 29 1-122
NEIC II 14 21 01 30.1–1.2 16.5S–.10 167.6E–.20 10–2 4.4b,3.8s **¶610415527**
IDC II 14 21 01 30.3–2.5 16.64S 167.39E 0 4.2,4.2b
NOU II 14 21 01 31.3 16.48S 167.59E 18 4.5,4.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=25.3km s-min=22.9km az=306.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=52.9km s-min=35.1km az=98.0.
NOU Vanuatu Islands.
NEIC II 15 14 05 18.3–1.4 18.5S–.10 168.04E–.09 43–13 4.4b ¶611149028
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 16 14 54 17.6–.97 16.00S–.09 167.3E–.20 39 3.9b,3.1s 11 6-121
IDC II 16 14 54 11.8–1.3 15.99S 167.30E 0 3.9b,3.8 **¶610415638**
ISC Event type ke.
IDC Error ellipse: s-maj=39.3km s-min=23.6km az=125.0.
ISC II 16 21 59 02.6–1.3 19.36S–.07 169.2E–.10 150 4.6b 38 2-89
NEIC II 16 21 59 01.7–1.4 19.2S–.10 169.3E–.10 142–10 4.6b **¶610415649**
IDC II 16 21 59 05.4–8.1 19.11S 168.67E 141–52 4.3,3.9b
NOU II 16 21 59 06.7 19.37S 168.96E 117 4.1,3.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.3km s-min=16.5km az=151.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=122.5km s-min=65.6km az=116.0.
NOU Vanuatu Islands.
NOU II 18 16 34 59.0 15.25S 167.53E 90 4.4 ¶612488798
NOU Vanuatu Islands.
ISC II 18 23 24 36.6–1.3 18.95S–.09 169.5E–.20 246 4.3b 35 2-89
IDC II 18 23 24 29.0–8.5 18.17S 169.66E 195–51 4.3,3.8b **¶610415784**
NOU II 18 23 24 36.7 18.97S 169.49E 236 4.0,3.8b

NEIC II 18 23 24 36.3–1.1 18.8S–.20 169.4E–.10 230–10 4.3b,3.8b
ISC Event type se.
NOU Vanuatu Islands.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 19 16 26 09.3–1.9 18.95S–.07 169.1E–.20 150 4.2b 30 1-39
NEIC II 19 16 26 05.5–.50 18.6S–.20 169.4E–.20 142–20 4.3b **¶610415826**
IDC II 19 16 26 11.0–8.5 18.45S 168.27E 120–72 3.9,3.6b
NOU II 19 16 26 12.0 18.95S 168.98E 135 4.0,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=27.3km s-min=19.8km az=128.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=164.5km s-min=64.0km az=110.0.
NOU Vanuatu Islands.
ISC II 20 00 52 14.8–1.8 17.5S–.10 168.4E–.30 35 3.7b 7 5-89
IDC II 20 00 52 09.7–2.3 17.54S 168.46E 0 3.8,3.7b **¶610384661**
ISC Event type ke.
IDC Error ellipse: s-maj=56.0km s-min=30.3km az=122.0.
NOU II 20 22 48 48.7 14.21S 166.70E 0 4.3 ¶612488832
NOU Vanuatu Islands.
ISC II 21 05 43 35.8–1.1 14.7S–.10 167.3E–.20 150 4.0b 13 3-126
IDC II 21 05 43 37.1–5.2 14.74S 167.19E 161–46 4.0,3.5b **¶610384727**
NOU II 21 05 43 45.2 15.21S 167.56E 58 4.3,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=40.0km s-min=27.6km az=173.0.
NOU Vanuatu Islands.
NOU II 21 10 42 21.3 16.31S 167.68E 22 4.3 ¶612488842
NOU Vanuatu Islands.
NOU II 21 11 22 09.7 14.92S 167.36E 84 4.2 ¶612488843
NOU Vanuatu Islands.
ISC II 22 23 46 31.8–.48 15.68S–.05 167.99E–.07 198–3 4.9b 253 2-169
BJI II 22 23 46 29.9–.00 15.26S 168.15E 184 5.1b,4.7b **¶610239648**
NEIC II 22 23 46 30.7–1.6 15.65S–.09 168.0E–.10 186–7 4.9b,4.7b
IDC II 22 23 46 31.1–.69 15.66S 167.98E 189–6 4.6,4.2b
NOU II 22 23 46 31.7 15.68S 167.93E 184 4.9b,4.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.1km s-min=13.4km az=85.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=12.6km s-min=9.3km az=98.0.
NOU Vanuatu Islands.
NOU II 23 23 00 32.6 14.62S 167.49E 121 4.4 ¶612488878
NOU Vanuatu Islands.
NOU II 24 05 50 06.4 15.66S 167.72E 103 4.4 ¶612488882
NOU Vanuatu Islands.
ISC II 24 23 13 53.7–1.1 18.76S–.08 168.2E–.10 20 3.7b 14 1-86
IDC II 24 23 13 50.8–4.2 18.84S 168.15E 0 3.6,3.6b **¶610384965**
NOU II 24 23 13 54.1 18.67S 168.08E 20 4.1,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=94.5km s-min=33.5km az=105.0.
NOU Vanuatu Islands.
NOU II 25 14 33 44.8 15.03S 167.76E 125 4.3 ¶612488896
NOU Vanuatu Islands.
ISC II 25 23 08 51.9–.34 14.79S–.04 167.41E–.04 165–2 4.9b 475 3-166
BJI II 25 23 08 50.3–.00 14.58S 168.02E 177 4.9b,4.7b **¶610243840**
IDC II 25 23 08 51.6–.58 14.77S 167.40E 159–4 4.7,4.3b
NOU II 25 23 08 51.5 14.74S 167.48E 159 5.1b,4.3b
MOS II 25 23 08 51.8–.88 14.81S 167.35E 177 5.0b,4.3b
NEIC II 25 23 08 52.1–1.5 14.82S–.05 167.43E–.08 164–6 5.0b,4.3b
GCMT II 25 23 08 53.1–.20 14.71S–.02 167.32E–.01 166–1 5.1W,4.3b
ISC Event type se. Moment Tensor Solution. NP1:φs148.48352°,δ78.90318°,λ123.65920°. NP2: φs254.60484°,δ35.23557°,λ19.47747°. Principal axes: T Plg45.5327°,Azm92.5032° ; N Plg32.9488°,Azm321.1802°; P Plg26.1971°,Azm212.5848°
NOU Vanuatu Islands.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s57,c67; s120,c164;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr4.03±.11 Mθθ-1.56±.16; Mφφ-2.47±.16; Mrθ1.01±.11; Mθφ2.96±.14; Mφr-3.02±.11; Best double couple: NP1:φs154.00000°,δ63.00000°,λ105.00000°. NP2:φs302.00000°,δ31.00000°,λ62.00000°. Principal axes: T 5.2200,Plg68.0000° ,Azm94.0000°; N 0.6840,Plg14.0000°,Azm327.0000°; P -5.9040,Plg17.0000°,Azm232.0000° $M_0$5.56200×10^{16}
ISC II 26 01 27 46.2–1.6 19.91S–.07 169.0E–.20 35 3.9b 22 2-145
IDC II 26 01 27 39.6–3.6 19.84S 169.21E 0 4.1,4.1b **¶610385030**
NOU II 26 01 27 45.3 19.89S 169.03E 24 4.2,4.1b
ISC Event type ke.
IDC Error ellipse: s-maj=89.6km s-min=43.1km az=131.0.
NOU Vanuatu Islands.
NOU II 26 05 30 22.5 16.16S 169.23E 173 4.0 ¶612488906
NOU Vanuatu Islands.
ISC II 26 06 44 21.9–.27 18.62S–.03 169.39E–.03 259–2 5.4b 1123 1-167
BJI II 26 06 44 20.0–.00 18.15S 169.76E 248 5.0b,5.0b **¶615092488**
MOS II 26 06 44 21.0–.97 18.57S 169.39E 261 5.5b,5.0b
NEIC II 26 06 44 22.7 18.52S 169.20E 240 5.5b,5.0b
IDC II 26 06 44 22.7–.72 18.58S 169.37E 266–6 5.5,4.9b
NEIC II 26 06 44 22.7 18.62S 169.41E 240 5.5,4.9b
NEIC II 26 06 44 22.7–1.9 18.61S–.04 169.40E–.08 255–1 5.5,5.5b
NOU II 26 06 44 22.7 18.54S 169.33E 258 5.0L,5.5b
GCMT II 26 06 44 25.7–.10 18.45S–.01 169.20E–.01 268–0 5.5W,5.5b
ISC Event type se. Moment Tensor Solution. NP1:φs61.07767°,δ67.41959°,λ169.74664°. NP2: φs155.05093°,δ80.54018°,λ22.90929°. Principal axes: T Plg22.8134°,Azm20.0913° ; N Plg65.3121°,Azm176.3024°; P Plg8.9340°,Azm286.2998°
NEIC Event type se. Moment Tensor Solution.Duration: 3s0 Moment tensor: Scale 10^{17}Nm; Mrr1.06 Mθθ0.16 Mφφ-1.22 Mrθ1.10 Mθφ-1.88 Mφr-0.69 NP1:φs72.14000°,δ63.56000° ,λ148.11000°. NP2:φs177.62000°,δ61.77000°,λ30.35000°. Principal axes: T 2.5806,Plg40.0000°,Azm34.0000°; N -0.0493,Plg49.0000°,Azm217.0000° ; P -2.5313,Plg1.0000°,Azm125.0000° $M_0$2.56000×10^{17}
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; Mrr1.13 Mθθ-0.26 Mφφ-0.86 Mrθ1.07 Mθφ-1.05 Mφr-0.85 NP1:φs68.86000°,δ55.80000°,λ139.28000°. NP2:φs184.68000° ,δ57.34000°,λ41.88000°. Principal axes: T 2.2239,Plg51.0000°,Azm38.0000° ; N -0.5694,Plg39.0000°,Azm216.0000°; P -1.6545,Plg1.0000°,Azm306.0000° $M_0$2.00000×10^{17}
NOU Vanuatu Islands.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s128,c204; s149,c256;Duration: 1s5 Moment tensor: Scale 10^{17}Nm; Mrr1.20±.03 Mθθ0.27±.04; Mφφ-1.47±.04; Mrθ1.15±.03; Mθφ-1.81±.03; Mφr-0.93±.03; Best double couple: NP1:φs176.00000°,δ64.00000°,λ35.00000°. NP2:φs68.00000°,δ59.00000°,λ149.00000°. Principal axes: T 2.7790,Plg43.0000° ,Azm34.0000°; N -0.1590,Plg47.0000°,Azm208.0000°; P -2.6160,Plg3.0000°,Azm301.0000° $M_0$2.69800×10^{17}
ISC II 27 04 41 22.4–.70 14.87S–.08 167.4E–.10 129 4.2b 45 3-145
NEIC II 27 04 41 19.5–1.7 14.66S–.02 167.6E–.20 111–7 4.4b **¶610385092**
IDC II 27 04 41 24.2–4.2 14.93S 167.33E 137–37 4.0,3.6b
NOU II 27 04 41 58.5 17.64S 168.45E 59 3.5,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=23.0km s-min=1.4km az=96.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=26.6km s-min=23.4km az=44.0.
NOU Vanuatu Islands.
IDC II 27 08 00 53.5–13 15.47S 165.58E 0 3.8,3.8b ¶610385106
IDC Error ellipse: s-maj=232.8km s-min=36.3km az=54.0.
IDC II 27 09 24 16.6–14 14.86S 167.46E 0 4.2L,4.0 ¶610385114
IDC Error ellipse: s-maj=248.3km s-min=41.5km az=67.0.
ISC II 28 18 36 03.1–.60 14.19S–.06 167.21E–.09 200 4.3b 59 7-151
NEIC II 28 18 36 00.7–2.3 14.05S–.08 167.3E–.10 176–6 4.5b **¶610385221**
IDC II 28 18 36 03.8–2.5 14.22S 167.22E 201–22 4.4,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.9km s-min=9.8km az=66.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=21.8km s-min=15.3km az=83.0.
ISC II 28 20 12 41.2–.50 19.06S–.05 169.22E–.07 147 4.3b 84 1-167
NEIC II 28 20 12 41.3–2.2 18.97S–.09 169.29E–.10 144–9 4.5b **¶610242078**
NOU II 28 20 12 43.0 19.10S 169.22E 148 4.9
IDC II 28 20 12 43.5–2.3 19.00S 169.08E 166–20 4.2,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.0km s-min=12.8km az=215.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Vanuatu Islands.
IDC Error ellipse: s-maj=17.2km s-min=13.8km az=44.0.
IDC III 01 07 16 26.7–9.6 19.43S 170.02E 146–57 4.0,3.5b ¶610545301
IDC Error ellipse: s-maj=126.3km s-min=78.9km az=133.0.
NOU III 01 16 18 28.2 20.99S 169.96E 78 4.3 ¶612488968
NOU Vanuatu Islands.
ISC III 01 20 30 33.3–1.1 15.5S–.10 165.6E–.20 35 3.6b 7 7-99
IDC III 01 20 30 28.0–1.2 15.51S 165.58E 0 3.7,3.7b **¶610545346**
ISC Event type ke.
IDC Error ellipse: s-maj=36.5km s-min=25.8km az=127.0.
NOU III 02 06 08 43.5 17.62S 168.41E 107 4.3 ¶612488979
NOU Vanuatu Islands.
IDC III 02 08 49 24.7–5.6 13.97S 166.55E 0 3.8b,3.7 ¶610545374
IDC Error ellipse: s-maj=150.1km s-min=54.2km az=117.0.
NOU III 02 16 32 26.8 15.76S 166.78E 17 4.0 ¶612488992
NOU Vanuatu Islands.
IDC III 03 04 00 12.1–4.4 13.81S 168.13E 0 3.6,3.6b ¶610545426
IDC Error ellipse: s-maj=244.0km s-min=31.6km az=143.0.
ISC III 03 15 34 57.7–2.5 18.75S–.10 169.5E–.30 250 3.8b 14 1-34
NOU III 03 15 34 55.4 18.67S 169.62E 266 4.2 **¶610545463**
IDC III 03 15 34 57.0–8.4 18.58S 169.42E 236–47 4.3,3.7b
ISC Event type ke.
NOU Vanuatu Islands.
IDC Error ellipse: s-maj=113.9km s-min=75.9km az=109.0.
ISC III 04 08 56 12.8–1.3 18.3S–.40 167.4E–.20 10 3.8b,3.1s 8 1-90
IDC III 04 08 56 10.7–2.0 18.34S 167.49E 0 3.9,3.9b **¶610545510**
NOU III 04 08 56 24.6 17.78S 168.20E 56 2.9,3.9b
ISC Event type ke.
IDC Error ellipse: s-maj=85.2km s-min=26.7km az=145.0.
NOU Vanuatu Islands.
ISC III 04 11 43 39.3–.71 18.92S–.09 169.5E–.10 246 3.6b 21 2-144
NOU III 04 11 43 40.3 19.02S 169.76E 251 4.5 **¶610545521**
IDC III 04 11 43 41.2–2.0 18.94S 169.53E 275–22 4.0,3.3b
ISC Event type ke.
NOU Vanuatu Islands.
IDC Error ellipse: s-maj=21.8km s-min=16.1km az=164.0.
ISC III 04 15 44 34.8–.98 14.83S–.09 167.5E–.20 129 3.6b 19 3-120
IDC III 04 15 44 33.9–6.2 14.83S 167.29E 117–60 3.9,3.4b **¶610545536**
NOU III 04 15 44 35.5 14.79S 167.48E 87 4.8,3.4b
ISC Event type ke.
IDC Error ellipse: s-maj=52.6km s-min=31.8km az=148.0.
NOU Vanuatu Islands.
IDC III 06 09 14 13.6–3.1 19.88S 168.74E 0 3.6b,3.5 ¶610545646
IDC Error ellipse: s-maj=97.5km s-min=36.2km az=134.0.
ISC III 06 23 55 32.1–.70 14.84S–.08 167.3E–.10 129 4.2b 36 6-120
IDC III 06 23 55 32.2–4.3 14.87S 167.43E 136–37 4.0,3.6b **¶610545687**
NEIC III 06 23 55 36.8–1.6 15.1S–.10 167.3E–.20 149–10 4.2b,3.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC III 07 15 15 05.5–2.2 19.10S 169.78E 0 3.5,3.5b ¶610545742
IDC Error ellipse: s-maj=90.5km s-min=29.5km az=144.0.
IDC III 07 15 42 06.0–2.0 19.50S 169.99E 0 3.8b,3.7 ¶610545743
IDC Error ellipse: s-maj=93.4km s-min=25.8km az=147.0.
ISC III 07 23 38 23.9–.45 15.01S–.04 168.15E–.04 17–2 5.3b,5.0s 703 3-169
NEIC III 07 23 38 22.5–1.6 15.02S–.07 168.16E–.09 8–1 5.6,5.5 **¶610470930**
BJI III 07 23 38 22.0–.00 15.00S 168.10E 10 5.6b,5.1b
NEIC III 07 23 38 22.9 15.01S 168.13E 9 5.6b,5.1b
NEIC III 07 23 38 24 14.91S 168.04E 16 5.6b,5.1b
NEIC III 07 23 38 24 15.01S 168.04E 16 5.6b,5.1b
MOS III 07 23 38 25.3–1.0 14.96S 167.98E 33 5.4b,4.9s
NOU III 07 23 38 26.1 15.14S 167.81E 4 5.5L,4.9s
IDC III 07 23 38 27.0–2.7 14.99S 168.09E 34–19 5.2L,4.9
GCMT III 07 23 38 26.5–.10 14.94S–.01 168.07E 12 5.5W,4.9
ISC Event type se. Moment Tensor Solution. NP1:φs342.26465°,δ19.76176°,λ79.57108°. NP2: φs173.33054°,δ70.57793°,λ93.72089°. Principal axes: T Plg64.2361°,Azm89.3907° ; N Plg3.5089°,Azm352.0917°; P Plg25.4887°,Azm260.4166°
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; Mrr1.84 Mθθ-0.63 Mφφ-1.21 Mrθ1.24 Mθφ0.13 Mφr-1.57 NP1:φs147.05000°,δ71.51000°,λ84.06000°. NP2:φs345.22000°,δ19.39000° ,λ107.21000°. Principal axes: T 2.8578,Plg63.0000°,Azm48.0000°; N -0.6992,Plg6.0000° ,Azm149.0000°; P -2.1585,Plg26.0000°,Azm242.0000° $M_0$2.58000×10^{17}
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 3s1 Moment tensor: Scale 10^{17}Nm; Mrr2.84 Mθθ-0.27 Mφφ-2.57 Mrθ0.53 Mθφ0.59 Mφr-0.10 NP1:φs157.26000°,δ47.97000° ,λ77.70000°. NP2:φs355.30000°,δ43.47000°,λ103.30000°. Principal axes: T 2.9261,Plg81.0000°,Azm360.0000°; N -0.2021,Plg9.0000°,Azm166.0000° ; P -2.7240,Plg2.0000°,Azm256.0000° $M_0$2.83000×10^{17}
NEIC Event type se.
NOU Vanuatu Islands.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s142,c227; s161,c315;Duration: 1s4 Moment tensor: Scale 10^{17}Nm; Mrr2.21±.02 Mθθ-0.03±.02; Mφφ-2.18±.02; Mrθ0.69±.06; Mθφ0.69±.02; Mφr0.10±.06; Best double couple: NP1:φs147.00000°,δ49.00000°,λ67.00000°. NP2:φs0.00000°,δ46.00000°,λ114.00000°. Principal axes: T 2.4220,Plg73.0000° ,Azm347.0000°; N -0.0390,Plg17.0000°,Azm163.0000°; P -2.3820,Plg1.0000° ,Azm253.0000° $M_0$2.40200×10^{17}
ISC III 08 11 45 00.2–.60 17.34S–.07 167.79E–.08 27 4.4b,3.6s 56 1-166
IDC III 08 11 44 55.8–.97 17.26S 167.84E 0 4.2,4.2b **¶610545804**
NOU III 08 11 44 57.6 17.25S 167.80E 8 4.6,4.2b
NEIC III 08 11 45 02.3–.89 17.39S–.07 167.7E–.20 30–7 4.7b,4.2b
ISC Event type se.
NOU Vanuatu Islands.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 09 21 14 27.9–1.6 13.6S–.10 166.5E–.30 39 3.6b,3.1s 9 8-119
IDC III 09 21 14 22.0–1.8 13.57S 166.50E 0 3.8b,3.7 **¶610545899**
ISC Event type ke.

IDC Error ellipse: s-maj=48.2km s-min=26.9km az=100.0.
ISC III 10 18 42 59.3–1.3 15.68S–.10 167.3E–.20 10 3.7b 13 5-87
IDC III 10 18 42 57.5–1.8 15.55S 167.27E 0 3.9L,3.6 **¶610545978**
NOU III 10 18 43 02.2 15.70S 167.21E 17 4.4,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=53.1km s-min=30.9km az=121.0.
NOU Vanuatu Islands.
NOU III 11 21 26 09.0 17.89S 167.60E 72 4.3
¶612489072
NOU Vanuatu Islands.
NOU III 13 05 25 42.6 16.97S 167.12E 0 3.8
¶612489089
NOU Vanuatu Islands.
NOU III 13 14 32 27.5 16.69S 167.63E 0 4.2
¶612489095
NOU Vanuatu Islands.
NOU III 15 08 17 17.7 14.84S 167.44E 118 4.6
¶612489105
NOU Vanuatu Islands.
NOU III 15 16 09 50.8 20.71S 169.96E 122 4.2
¶612489111
NOU Vanuatu Islands.
NOU III 16 03 18 52.8 19.07S 169.54E 253 4.1
¶612489119
NOU Vanuatu Islands.
NOU III 16 06 02 58.6 16.78S 167.62E 7 4.1
¶612489120
NOU Vanuatu Islands.
NOU III 16 12 02 06.4 17.66S 168.92E 170 3.6
¶612489126
NOU Vanuatu Islands.
ISC III 16 14 24 53.8–.87 18.97S–.08 169.3E–.10 200 3.6b 21 1-144
IDC III 16 14 24 53.9–2.7 18.97S 169.27E 203–24 3.9,3.4b **¶610546317**
NOU III 16 14 25 00.9 19.07S 168.99E 148 3.9,3.4b
ISC Event type ke.
IDC Error ellipse: s-maj=31.7km s-min=23.1km az=152.0.
NOU Vanuatu Islands.
ISC III 20 02 14 08.8–1.6 13.96S–.09 167.31E–.07 192–15 4.3b 95 7-166
NEIC III 20 02 14 06.1–1.5 13.9S–.10 167.39E–.09 165–5 4.5b **¶610543295**
IDC III 20 02 14 12.1–2.0 13.97S 167.24E 217–19 4.3,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.9km s-min=11.1km az=150.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=15.7km s-min=11.8km az=133.0.
ISC III 21 17 24 37.9–3.7 14.8S–.30 166.9E–.30 100 3.2b 7 3-32
IDC III 21 17 23 46.4–66 12.31S 171.02E 0 3.6,3.6b **¶610543415**
NOU III 21 17 24 33.2 14.50S 166.99E 112 4.6,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=1134.0km s-min=142.1km az=65.0.
NOU Vanuatu Islands.
ISC III 22 04 06 44.6–1.1 15.02S–.10 168.0E–.20 36 3.8b 13 7-98
IDC III 22 04 06 38.7–1.4 14.97S 168.14E 0 3.9,3.9b **¶610543444**
NOU III 22 04 06 48.0 15.42S 167.91E 0 4.3,3.9b
ISC Event type ke.
IDC Error ellipse: s-maj=41.3km s-min=28.1km az=110.0.
NOU Vanuatu Islands.
ISC III 22 20 15 53.4–.84 14.71S–.08 166.6E–.10 10 4.4b 27 6-89
NEIC III 22 20 15 53.8–1.4 14.7S–.10 166.6E–.20 10–1 4.5b **¶610543490**
IDC III 22 20 16 02.2–13 15.13S 165.37E 0 3.9,3.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=26.2km s-min=16.9km az=100.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=227.4km s-min=35.9km az=53.0.
NOU III 24 07 34 11.9 14.92S 167.26E 0 4.3
¶612489214
NOU Vanuatu Islands.
NOU III 24 19 50 32.8 17.52S 168.58E 87 4.0
¶612489226
NOU Vanuatu Islands.
NOU III 25 06 20 22.2 15.31S 166.99E 2 4.1
¶612489233
NOU Vanuatu Islands.
NOU III 25 17 15 00.6 16.96S 167.82E 12 3.9
¶612489242
NOU Vanuatu Islands.
ISC III 25 23 44 38.0–.44 13.24S–.06 167.15E–.07 200 4.3b 87 5-153
NOU III 25 23 44 33.9 12.81S 167.44E 187 4.2b **¶610543674**
IDC III 25 23 44 36.5–.71 13.27S 167.12E 184–5 4.3,3.8b
GCMT III 25 23 44 37.8–.40 13.27S–.04 167.03E–.03 197–4 4.9W,3.8b
NEIC III 25 23 44 38.9–1.4 13.3S–.10 167.2E–.10 203–8 4.5b,3.8b
ISC Event type se.
NOU Santa Cruz Islands.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s20,c22; s77,c88;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.77±.14 $M_{\theta\theta}$-0.44±.20; $M_{\phi\phi}$-1.33±.19; $M_{r\theta}$-0.44±.13; $M_{\theta\phi}$-1.05±.17; $M_{\phi r}$-2.13±.12; Best double couple: NP1:ϕ_s197.00000°,δ70.00000°,λ77.00000°. NP2:ϕ_s51.00000°,δ24.00000°,λ122.00000°. Principal axes: T 2.8570,Plg63.0000° ,Azm87.0000°; N 0.0780,Plg12.0000°,Azm201.0000°; P -2.9310,Plg24.0000°,Azm297.0000° $M_0$2.89400×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 26 01 04 43.5–2.1 15.7S–.20 166.3E–.10 35 3.6b 11 3-88
NOU III 26 01 04 41.2 15.79S 166.24E 0 4.7 **¶610543688**
IDC III 26 01 04 46.1–1.7 16.21S 165.42E 0 4.1L,3.8
ISC Event type ke.
NOU Vanuatu Islands.
IDC Error ellipse: s-maj=38.1km s-min=31.0km az=100.0.
ISC III 26 05 49 15.5–.61 18.96S–.05 167.69E–.09 10 4.1b,3.3s 48 1-165
IDC III 26 05 49 14.5–1.2 18.93S 167.63E 0 4.0,4.0b **¶610543700**
NOU III 26 05 49 15.2 18.87S 167.66E 10 4.4,4.0b
NEIC III 26 05 49 17.4–.31 19.14S–.03 167.5E–.10 10–1 4.2b,4.0b
ISC Event type se.
NOU Vanuatu Islands.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 26 06 07 11.1–1.4 15.4S–.10 166.9E–.20 50 3.3b 10 3-87
IDC III 26 06 07 06.4–1.9 15.06S 166.34E 0 3.9L,3.5 **¶610543702**
NOU III 26 06 07 11.6 15.37S 167.58E 119 4.2,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=50.6km s-min=35.4km az=123.0.
NOU Vanuatu Islands.
ISC III 26 07 21 03.6–1.5 13.1S–.10 167.3E–.20 150 3.8b 11 5-85
IDC III 26 07 21 05.3–10 13.15S 166.97E 154–108 3.9,3.4b **¶612489251**
NOU III 26 07 21 38.9 15.84S 167.58E 93 3.8,3.4b
ISC Event type ke.
IDC Error ellipse: s-maj=85.4km s-min=29.4km az=160.0.
NOU Vanuatu Islands.
ISC III 26 07 29 04.4–.66 18.94S–.05 167.70E–.09 10 4.0b 42 1-146
IDC III 26 07 29 02.4–1.5 18.94S 167.80E 0 3.8,3.8b **¶610543706**
NOU III 26 07 29 04.3 18.87S 167.64E 10 4.2,3.8b
NEIC III 26 07 29 07.5–.82 19.14S–.07 167.50E–.09 10–2 4.2b,3.8b
ISC Event type se.
NOU Vanuatu Islands.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 26 09 50 24.6–1.8 19.09S–.08 168.4E–.20 35 3.6b 10 1-32
NOU III 26 09 49 50.4 18.02S 170.24E 410 4.3 **¶612489254**
IDC III 26 09 50 23.4–8.1 19.01S 167.86E 0 3.7b,3.6
ISC Event type ke.
NOU Vanuatu Islands.
IDC Error ellipse: s-maj=134.3km s-min=41.6km az=81.0.
ISC III 26 10 00 22.9–.75 18.95S–.06 167.8E–.10 10 4.1b 34 1-101
NOU III 26 10 00 21.7 18.88S 167.63E 5 4.2 **¶610543716**
IDC III 26 10 00 22.1–1.3 18.91S 167.63E 0 4.0,4.0b
NEIC III 26 10 00 26.4–1.3 19.1S–.10 167.7E–.10 27–7 4.4b,4.0b
ISC Event type se.
NOU Vanuatu Islands.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 26 10 59 02.3–3.1 13.9S–.20 167.9E–.30 150 3.8b 9 4-34
IDC III 26 10 58 57.1–9.4 13.76S 168.73E 170–85 4.1,3.7b **¶610543719**
NOU III 26 10 59 14.4 14.69S 167.72E 142 4.3,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=78.2km s-min=22.9km az=177.0.
NOU Vanuatu Islands.
ISC III 26 14 14 11.6–2.1 13.8S–.20 167.7E–.30 35 3.9b 18 7-82
NEIC III 26 14 14 10.8–2.6 13.7S–.10 167.8E–.20 35–2 4.1b **¶611149344**
IDC III 26 14 14 27.2–13 15.07S 165.47E 0 3.8,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=30.2km s-min=20.4km az=110.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=229.1km s-min=35.9km az=54.0.
ISC III 27 06 19 39.8–.70 15.35S–.09 168.24E–.09 10 4.0b 20 5-98
NEIC III 27 06 19 39.5–1.3 15.3S–.10 168.3E–.10 10–1 4.5b **¶610543780**
IDC III 27 06 19 40.0–1.7 15.23S 168.26E 0 3.8b,3.7
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=25.1km s-min=15.6km az=335.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=52.9km s-min=31.5km az=131.0.
ISC III 27 16 08 03.6–1.1 14.88S–.09 167.3E–.10 150 3.7b 28 3-120
NOU III 27 16 08 00.2 14.63S 167.43E 128 4.7 **¶610543805**
NEIC III 27 16 08 04.1–1.7 14.9S–.10 167.3E–.20 138–21 4.0b
IDC III 27 16 08 12.2–9.5 14.60S 166.82E 220–75 4.2,3.2b
ISC Event type se.
NOU Vanuatu Islands.
NEIC Event type se. Error ellipse: s-maj=28.8km s-min=14.4km az=101.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=78.6km s-min=35.8km az=110.0.
ISC III 28 14 23 31.2–1.5 13.2S–.10 167.2E–.20 250 4.2b 19 8-85
NEIC III 28 14 23 28.9–1.6 13.0S–.20 167.5E–.20 253–22 4.5b **¶610543855**
IDC III 28 14 23 32.0–6.8 13.28S 167.11E 258–75 4.0,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=29.7km s-min=22.2km az=215.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=60.8km s-min=26.9km az=155.0.
ISC III 28 21 06 05.8–.56 15.99S–.05 167.95E–.07 157–4 4.6b 132 5-166
NEIC III 28 21 06 05.6–1.0 15.99S–.09 168.0E–.10 153–8 4.8b **¶610441392**
IDC III 28 21 06 05.7–.76 16.00S 167.91E 150–6 4.5,4.1b
NOU III 28 21 06 06.4 16.01S 167.91E 152 4.8b,4.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.3km s-min=13.0km az=81.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=15.6km s-min=9.8km az=85.0.
NOU Vanuatu Islands.
NOU III 29 06 53 12.7 16.00S 167.53E 0 3.8
¶612489288
NOU Vanuatu Islands.
ISC III 29 23 56 38.7–.25 19.41S–.03 168.94E–.03 64–1 5.6b 1378 2-166
BGR III 29 23 56 32.3 19.85S 170.77E 69–0 5.6b **¶610471039**
MOS III 29 23 56 36.9–.98 19.28S 168.87E 55 5.7b
BJI III 29 23 56 37.0–.00 19.40S 168.90E 60 5.2b,5.2b
NEIC III 29 23 56 38.5 19.37S 168.69E 60 5.2b,5.2b
IDC III 29 23 56 39.0–.52 19.29S 168.90E 62–4 5.4,5.1b
NEIC III 29 23 56 38.2–1.8 19.36S–.07 168.90E–.08 50–4 5.7b,5.4
NEIC III 29 23 56 38.5 19.37S 168.90E 60 5.7b,5.4
NOU III 29 23 56 40.6 19.32S 168.79E 63 5.5L,5.4
GCMT III 29 23 56 42.2–.10 19.30S–.01 168.76E–.01 65–1 5.3W,5.4
ISC Event type ke. Moment Tensor Solution. NP1:ϕ_s289.66840°,δ84.68887°,λ85.41016°. NP2: ϕ_s150.60309°,δ7.01530°,λ130.72168°. Principal axes: T Plg50.1090°,Azm194.6066° ; N Plg4.5701°,Azm290.0941°; P Plg39.5210°,Azm23.8750°
BGR Event type ke.
NEIC Event type se. Moment Tensor Solution.Duration: 2s7 Moment tensor: Scale 10^{17}Nm; M_{rr}0.35 $M_{\theta\theta}$-0.44 $M_{\phi\phi}$0.09 $M_{r\theta}$-1.24 $M_{\theta\phi}$-0.16 $M_{\phi r}$0.66 NP1:ϕ_s294.90000°,δ84.06000° ,λ102.35000°. NP2:ϕ_s50.18000°,δ13.69000°,λ25.92000°. Principal axes: T 1.5270,Plg49.0000°,Azm218.0000°; N -0.1342,Plg12.0000°,Azm114.0000° ; P -1.3927,Plg38.0000°,Azm14.0000° $M_0$1.46000×10^{17}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se.
NOU Vanuatu Islands.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s123,c206; s156,c257;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}0.36±.02 $M_{\theta\theta}$-0.26±.02; $M_{\phi\phi}$-0.09±.02; $M_{r\theta}$-1.21±.02; $M_{\theta\phi}$-0.11±.02; $M_{\phi r}$0.51±.01; Best double couple: NP1:ϕ_s291.00000°,δ84.00000°,λ96.00000°. NP2:ϕ_s64.00000°,δ8.00000°,λ44.00000°. Principal axes: T 1.4410,Plg50.0000° ,Azm207.0000°; N -0.1940,Plg6.0000°,Azm110.0000°; P -1.2470,Plg39.0000°,Azm15.0000° $M_0$1.34400×10^{17}
NOU III 31 16 43 55.2 19.66S 169.67E 242 3.8
¶612489328
NOU Vanuatu Islands.
NOU III 31 20 17 41.6 16.42S 167.73E 24 3.9
¶612489332
NOU Vanuatu Islands.
ISC IV 01 04 01 43.5–.39 15.52S–.05 167.82E–.07 35 4.8b,3.6s 106 5-166
NOU IV 01 04 01 28.7 14.77S 168.43E 0 5.1,3.6s **¶610468899**
BJI IV 01 04 01 40.3–.00 15.38S 168.27E 26 5.1b,4.7b
IDC IV 01 04 01 43.9–2.4 15.46S 167.89E 43–22 4.5L,4.3
NEIC IV 01 04 01 44.6–1.5 15.45S–.06 167.7E–.10 35–4 4.8b,4.3
ISC Event type se.
NOU Vanuatu Islands.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 01 11 18 14.3–.73 16.00S–.08 168.55E–.08 250 4.2b 84 2-87
NEIC IV 01 11 18 14.8–2.7 16.1S–.10 168.6E–.20 250–12 4.3b **¶610651696**
IDC IV 01 11 18 14.9–2.1 15.96S 168.55E 264–20 4.2,3.6b
NOU IV 01 11 18 16.1 16.07S 168.51E 265 4.1b,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=22.6km s-min=16.4km az=99.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=18.6km s-min=14.9km az=11.0.
NOU Vanuatu Islands.
NOU IV 02 00 27 42.8 14.84S 167.34E 10 4.6
¶612489346
NOU Vanuatu Islands.
ISC IV 02 15 47 21.6–.53 18.15S–.06 167.99E–.09 10 4.4b,3.5s 62 0-146
IDC IV 02 15 47 19.8–.86 18.12S 168.09E 0 4.1,4.1b **¶610651766**
NOU IV 02 15 47 22.2 18.12S 167.95E 8 4.8,4.1b
NEIC IV 02 15 47 25.5–1.8 18.4S–.10 167.68E–.09 10–2 4.6b,4.1b
ISC Event type se.
NOU Vanuatu Islands.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU IV 02 17 55 44.3 16.57S 167.71E 0 4.0
¶612489356

NOU Vanuatu Islands.
NOU IV 02 19 01 12.2 16.49S 166.95E 0 4.1 ¶612489358
NOU Vanuatu Islands.
ISC IV 03 04 41 25.9–2.6 16.9S–.20 169.1E–.40 250 3.9b 7 6-123
IDC IV 03 04 41 27.7–6.2 17.07S 169.03E 267–58 4.1,3.5b **¶610651793**
ISC Event type ke.
IDC Error ellipse: s-maj=76.8km s-min=45.4km az=165.0.
NOU IV 03 08 44 12.3 14.03S 167.07E 7 4.7 ¶612489366
NOU Vanuatu Islands.
NOU IV 03 19 12 01.1 16.87S 167.76E 0 4.3 ¶612489373
NOU Vanuatu Islands.
NOU IV 04 11 37 25.5 14.69S 167.48E 139 4.6 ¶612489381
NOU Vanuatu Islands.
ISC IV 04 14 03 00.6–2.3 14.7S–.20 167.3E–.20 100 3.9b 27 3-40
NEIC IV 04 14 02 58.2–1.7 14.5S–.20 167.5E–.40 89–28 4.1b **¶610651920**
IDC IV 04 14 03 01.5–14 15.05S 165.82E 0 4.0,4.0L
NOU IV 04 14 03 07.5 15.34S 167.17E 18 4.6,4.0L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=50.4km s-min=28.4km az=95.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=238.8km s-min=36.2km az=56.0.
NOU Vanuatu Islands.
ISC IV 05 22 17 42.8–.19 19.01S–.03 169.55E–.03 258–1 5.5b 1880 3-173
BJI IV 05 22 17 40.3–.00 18.63S 169.74E 239 5.4b,5.4b **¶610505787**
MOS IV 05 22 17 42.2–.83 19.01S 169.54E 259 5.7b,5.4b
NEIC IV 05 22 17 42.7 18.99S 169.57E 248 5.7b,5.4b
IDC IV 05 22 17 43.0–.39 19.04S 169.55E 257–3 5.7,5.1b
NEIC IV 05 22 17 43.4–1.7 19.02S–.08 169.58E–.07 253–1 5.7,5.6b
NEIC IV 05 22 17 43.4 18.98S 169.56E 250 5.7,5.6b
NEIC IV 05 22 17 43.4 18.88S 169.34E 250 5.7,5.6b
NOU IV 05 22 17 44.3 18.97S 169.50E 257 5.1L,5.6b
GCMT IV 05 22 17 46.4–.10 19.02S–.01 169.39E–.01 266–0 5.7W,5.6b
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s217.82437°,δ29.90238°,λ24.73816°. NP2: ϕ_s106.05171°,δ77.95861°,λ117.57831°. Principal axes: T Plg49.5074°,Azm46.3259° ; N Plg26.9218°,Azm279.8332°; P Plg27.7399°,Azm174.3440°
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}3.42 $M_{\theta\theta}$-2.91 $M_{\phi\phi}$-0.52 $M_{r\theta}$1.59 $M_{\theta\phi}$-1.67 $M_{\phi r}$-1.88 NP1:ϕ_s89.51000°,δ56.32000°,λ124.37000°. NP2:ϕ_s218.55000° ,δ46.62000°,λ49.73000°. Principal axes: T 4.7575,Plg61.0000°,Azm56.0000° ; N -0.9417,Plg28.0000°,Azm249.0000°; P -3.8158,Plg5.0000°,Azm156.0000° $M_0$4.36000×10^{17}
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 3s4 Moment tensor: Scale 10^{17}Nm; M_{rr}1.65 $M_{\theta\theta}$-1.98 $M_{\phi\phi}$0.33 $M_{r\theta}$1.20 $M_{\theta\phi}$-1.96 $M_{\phi r}$-1.52 NP1:ϕ_s95.16000°,δ62.46000° ,λ140.41000°. NP2:ϕ_s206.08000°,δ55.60000°,λ34.08000°. Principal axes: T 3.4762,Plg47.0000°,Azm58.0000°; N -0.3559,Plg43.0000°,Azm246.0000° ; P -3.1203,Plg4.0000°,Azm152.0000° $M_0$3.30000×10^{17}
NOU Vanuatu Islands.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s145,c257; s162,c308;Duration: 1s6 Moment tensor: Scale 10^{17}Nm; M_{rr}2.58±.03 $M_{\theta\theta}$-2.55±.04; $M_{\phi\phi}$-0.03±.04; $M_{r\theta}$1.63±.04; $M_{\theta\phi}$-1.65±.04; $M_{\phi r}$-1.62±.03; Best double couple: NP1:ϕ_s94.00000°,δ61.00000°,λ128.00000°. NP2:ϕ_s216.00000°,δ46.00000°,λ42.00000°. Principal axes: T 4.0860,Plg56.0000° ,Azm55.0000°; N -0.6130,Plg32.0000°,Azm253.0000°; P -3.4780,Plg9.0000°,Azm158.0000° $M_0$3.78200×10^{17}
ISC IV 05 22 31 34.6–.89 18.5S–.20 169.2E–.10 250 3.5b 8 4-147
IDC IV 05 22 31 33.8–4.2 18.32S 169.16E 230–59 3.9,3.3b **¶610652032**
ISC Event type ke.
IDC Error ellipse: s-maj=118.4km s-min=19.5km az=157.0.
ISC IV 06 20 29 01.6–1.5 18.9S–.10 169.7E–.10 250 4.2b 26 3-82
NEIC IV 06 20 28 57.5–.96 18.6S–.20 170.1E–.10 232–10 4.2b **¶610652104**
IDC IV 06 20 29 02.2–8.3 18.80S 169.62E 251–44 4.4,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=22.1km s-min=15.7km az=167.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=107.5km s-min=75.7km az=108.0.
IDC IV 06 23 07 59.9–3.6 14.40S 167.42E 0 3.9b,3.8 ¶610652111
IDC Error ellipse: s-maj=79.1km s-min=42.3km az=94.0.
ISC IV 07 16 29 35.3–.61 15.53S–.07 167.85E–.10 200 4.5b 126 5-166
NEIC IV 07 16 29 35.1–2.2 15.51S–.07 167.8E–.10 195–7 4.5b **¶610652168**
NOU IV 07 16 29 36.1 15.47S 167.72E 199 4.5b
IDC IV 07 16 29 37.3–3.0 15.64S 167.76E 217–25 4.3,4.1s
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.8km s-min=10.6km az=95.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Vanuatu Islands.
IDC Error ellipse: s-maj=25.2km s-min=16.9km az=112.0.
IDC IV 07 23 44 20.6–9.7 15.69S 166.66E 108–146 3.9,3.7L ¶610652185
IDC Error ellipse: s-maj=291.6km s-min=64.2km az=85.0.
ISC IV 08 11 46 34.9–1.4 18.5S–.20 170.0E–.10 10 3.6b 6 5-34
IDC IV 08 11 46 33.5–2.1 18.53S 169.97E 0 4.0L,3.7 **¶610652223**
ISC Event type ke.
IDC Error ellipse: s-maj=64.7km s-min=29.3km az=159.0.
ISC IV 08 22 02 30.6–.50 18.39S–.05 168.10E–.07 29 4.4b,3.6s 55 1-166
NOU IV 08 22 02 27.9 18.48S 168.35E 0 4.7,3.6s **¶610554462**
NEIC IV 08 22 02 32.5–1.5 18.42S–.07 168.06E–.09 35–2 4.5b,3.6s
IDC IV 08 22 02 38.5–3.0 18.13S 167.88E 98–27 4.1,3.8b
ISC Event type se.
NOU Vanuatu Islands.
NEIC Event type se. Error ellipse: s-maj=14.2km s-min=11.7km az=115.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=34.5km s-min=17.6km az=157.0.
ISC IV 09 10 54 46.7–.85 13.1S–.20 167.0E–.20 180 3.6b 13 30-152
IDC IV 09 10 54 46.5–11 13.10S 167.03E 178–105 3.8,3.6s **¶610652294**
ISC Event type ke.
IDC Error ellipse: s-maj=41.0km s-min=31.6km az=104.0.
ISC IV 14 02 12 54.5–.81 14.89S–.08 167.4E–.20 129 3.8b 21 6-98
IDC IV 14 02 12 52.7–4.7 14.78S 167.36E 112–41 4.0,3.7b **¶610652671**
NOU IV 14 02 12 59.5 15.53S 167.17E 0 4.6,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=26.6km s-min=25.1km az=50.0.
NOU Vanuatu Islands.
ISC IV 14 23 53 53.6–1.2 18.01S–.09 167.3E–.10 23 4.1b,3.4s 32 3-90
IDC IV 14 23 53 48.7–1.8 17.80S 167.40E 0 4.1,4.1b **¶610652762**
NOU IV 14 23 53 50.4 17.87S 167.32E 6 4.4,4.1b
NEIC IV 14 23 53 56.4–2.6 18.2S–.10 167.2E–.10 23–14 4.0b,4.1b
ISC Event type se.
NOU Vanuatu Islands.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 15 12 02 52.7–.76 17.42S–.09 167.69E–.09 10 4.5b,3.7s 47 1-145
NOU IV 15 12 02 50.9 17.30S 167.89E 11 4.9,3.7s **¶610652793**
IDC IV 15 12 02 50.5–.75 17.34S 167.57E 0 5.0L,4.1
NEIC IV 15 12 03 00.7–2.9 17.8S–.10 167.6E–.10 59–9 4.5b,4.1
ISC Event type se.
NOU Vanuatu Islands.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IV 15 23 06 00.8–58 14.92S 168.90E 0 4.2,4.2b ¶610652828
IDC Error ellipse: s-maj=994.8km s-min=114.6km az=67.0.
ISC IV 17 02 21 32.4–.37 13.45S–.03 166.53E–.03 29–2 5.5s,5.4b 1139 7-169
MOS IV 17 02 21 29.0–.90 13.38S 166.49E 16 5.6b,5.4s **¶615092584**
NEIC IV 17 02 21 30.9–1.8 13.39S–.07 166.60E–.08 16–1 5.7,5.6
NEIC IV 17 02 21 30.4 13.38S 166.61E 26 5.7,5.6
NEIC IV 17 02 21 30.4 13.38S 166.61E 26 5.7,5.6
NEIC IV 17 02 21 30.2 13.38S 166.61E 12 5.7,5.6
IDC IV 17 02 21 31.4–1.8 13.46S 166.48E 25–11 5.2s,4.9
BJI IV 17 02 21 33.5–.00 12.82S 166.52E 29 5.7b,5.4b
GCMT IV 17 02 21 34.9–.10 13.41S–.01 166.40E–.01 28–0 5.8W,5.4b
NOU IV 17 02 21 37.2 13.43S 166.33E 46 5.6L,5.4b
ISC Event type se.
MOS Error ellipse: s-maj=8.2km s-min=6.0km az=127.4.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=11.4km az=70.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}2.70 $M_{\theta\theta}$-0.78 $M_{\phi\phi}$-1.92 $M_{r\theta}$0.52 $M_{\theta\phi}$1.60 $M_{\phi r}$-0.57 NP1:ϕ_s142.58000°,δ52.55000°,λ87.27000°. NP2:ϕ_s327.06000°,δ37.54000° ,λ93.56000°. Principal axes: T 2.8027,Plg82.0000°,Azm38.0000°; N 0.3497,Plg2.0000° ,Azm144.0000°; P -3.1524,Plg8.0000°,Azm235.0000° $M_0$2.99000×10^{17}
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 3s3 Moment tensor: Scale 10^{17}Nm; M_{rr}4.61 $M_{\theta\theta}$-0.46 $M_{\phi\phi}$-4.15 $M_{r\theta}$0.62 $M_{\theta\phi}$1.84 $M_{\phi r}$0.04 NP1:ϕ_s150.05000°,δ46.71000° ,λ79.54000°. NP2:ϕ_s345.12000°,δ44.30000°,λ100.91000°. Principal axes: T 4.6914,Plg82.0000°,Azm346.0000°; N 0.2229,Plg8.0000°,Azm157.0000° ; P -4.9143,Plg1.0000°,Azm247.0000° $M_0$4.80000×10^{17}
NEIC Event type se.
IDC Error ellipse: s-maj=10.4km s-min=8.4km az=176.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s157,c319; s158,c325;Duration: 1s8 Moment tensor: Scale 10^{17}Nm; M_{rr}4.98±.05 $M_{\theta\theta}$-0.90±.04; $M_{\phi\phi}$-4.08±.04; $M_{r\theta}$1.52±.08; $M_{\theta\phi}$1.90±.03; $M_{\phi r}$-0.87±.07; Best double couple: NP1:ϕ_s144.00000°,δ54.00000°,λ77.00000°. NP2:ϕ_s345.00000°,δ38.00000°,λ107.00000°. Principal axes: T 5.3680,Plg77.0000° ,Azm11.0000°; N -0.1910,Plg10.0000°,Azm152.0000°; P -5.1720,Plg8.0000°,Azm243.0000° $M_0$5.27000×10^{17}
NOU Vanuatu Islands.
IDC IV 17 02 40 57.8–6.0 13.51S 166.42E 0 3.5,3.5b ¶610652904
IDC Error ellipse: s-maj=304.3km s-min=34.8km az=142.0.
IDC IV 17 02 43 47.1–6.2 13.46S 166.37E 0 3.5,3.5b ¶610652905
IDC Error ellipse: s-maj=314.7km s-min=34.6km az=142.0.
ISC IV 17 03 10 02.8–.26 13.41S–.05 166.62E–.05 10 5.1b,4.4s 471 7-165
IDC IV 17 03 10 00.9–.51 13.44S 166.76E 0 4.7,4.7b **¶615092585**
NEIC IV 17 03 10 02.9–2.2 13.38S–.07 166.65E–.09 10–1 5.1b,4.7b
MOS IV 17 03 10 02.0–.97 13.41S 166.65E 14 5.3b,4.7b
BJI IV 17 03 10 05.4–.00 13.09S 166.70E 25 5.2b,5.1b
GCMT IV 17 03 10 09.9–.30 13.39S–.03 166.29E–.02 29–0 5.1W,5.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s57,c65; s71,c92;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}5.72±.29 $M_{\theta\theta}$-0.81±.20; $M_{\phi\phi}$-4.90±.19; $M_{r\theta}$0.91±.35; $M_{\theta\phi}$1.77±.12; $M_{\phi r}$-0.73±.24; Best double couple: NP1:ϕ_s154.00000°,δ50.00000°,λ83.00000°. NP2:ϕ_s345.00000°,δ40.00000°,λ99.00000°. Principal axes: T 5.8670,Plg82.0000° ,Azm21.0000°; N -0.2110,Plg6.0000°,Azm159.0000°; P -5.6490,Plg5.0000°,Azm249.0000° $M_0$5.75800×10^{16}
ISC IV 17 05 09 06.2–.90 13.30S–.09 166.3E–.10 10 4.1b 23 7-96
NEIC IV 17 05 09 05.4–2.0 13.3S–.10 166.41E–.08 10–2 4.3b **¶610652911**
IDC IV 17 05 09 06.4–1.5 13.37S 166.19E 0 4.0s,3.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.8km s-min=7.7km az=33.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=43.2km s-min=27.3km az=113.0.
ISC IV 17 06 04 32.5–.80 13.59S–.08 166.7E–.10 10 4.4b 32 7-153
NEIC IV 17 06 04 31.1–1.1 13.5S–.10 166.88E–.10 10–2 4.5b **¶610652915**
IDC IV 17 06 04 32.2–.98 13.36S 166.45E 0 4.1b,4.0
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.5km s-min=15.1km az=17.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=38.3km s-min=21.8km az=124.0.
ISC IV 17 19 14 30.3–.56 13.38S–.05 166.43E–.05 27–3 4.9b,4.4s 511 7-165
NEIC IV 17 19 14 27.7–2.7 13.25S–.08 166.41E–.09 10–1 5.0b,4.4s **¶610529578**
IDC IV 17 19 14 29.9–1.9 13.42S 166.55E 28–11 4.6,4.5b
BJI IV 17 19 14 29.9–.00 13.09S 166.51E 26 5.2b,4.8b
MOS IV 17 19 14 29.7–1.1 13.37S 166.42E 33 5.3b,4.6s
GCMT IV 17 19 14 31.7–.20 13.45S–.01 166.27E–.01 19–0 5.2W,4.6s
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s91,c128; s100,c153;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}5.44±.14 $M_{\theta\theta}$-0.27±.11; $M_{\phi\phi}$-5.17±.11; $M_{r\theta}$3.15±.25; $M_{\theta\phi}$1.65±.07; $M_{\phi r}$-2.31±.21; Best double couple: NP1:ϕ_s144.00000°,δ63.00000°,λ71.00000°. NP2:ϕ_s0.00000°,δ33.00000°,λ122.00000°. Principal axes: T 7.0170,Plg67.0000° ,Azm19.0000°; N -0.4690,Plg16.0000°,Azm153.0000°; P -6.5500,Plg16.0000° ,Azm248.0000° $M_0$6.78300×10^{16}
NOU IV 17 20 19 22.3 16.62S 167.89E 0 4.5 ¶612489498
NOU Vanuatu Islands.
ISC IV 17 21 05 55.9–.59 13.45S–.07 166.4E–.10 10 4.4b,3.6s 43 7-124
IDC IV 17 21 05 55.2–1.2 13.39S 166.34E 0 4.1b,4.0 **¶610652950**
NEIC IV 17 21 05 56.3–2.6 13.40S–.07 166.37E–.06 10–1 4.4b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IV 19 05 09 03.4–80 13.71S 168.68E 0 4.2,4.2b ¶610653027
IDC Error ellipse: s-maj=1354.0km s-min=128.4km az=64.0.
ISC IV 19 19 57 41.7–1.1 14.8S–.10 167.4E–.20 129 3.9b 9 7-120
IDC IV 19 19 57 41.2–5.1 14.69S 167.28E 124–44 4.0,3.7b **¶610653071**
ISC Event type ke.
IDC Error ellipse: s-maj=33.1km s-min=28.4km az=168.0.
ISC IV 19 21 53 00.7–.73 20.14S–.09 169.24E–.07 50 4.4b 39 2-88
NOU IV 19 21 53 01.5 20.21S 169.22E 16 5.2 **¶610653075**
IDC IV 19 21 53 02.5–3.0 20.04S 169.06E 65–29 4.7L,4.3
NEIC IV 19 21 53 02.5–1.8 20.1S–.10 169.26E–.10 76–9 4.4b,4.3
ISC Event type se.
NOU Vanuatu Islands.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU IV 21 12 40 31.3 20.35S 169.69E 77 3.9 ¶612489527
NOU Vanuatu Islands.
ISC IV 22 01 52 03.0–.52 19.80S–.09 169.89E–.07 30 4.4b,3.5s 48 3-148
IDC IV 22 01 51 59.5–.98 19.56S 169.76E 0 4.2L,4.1 **¶610653232**
NOU IV 22 01 52 02.9 19.85S 169.92E 12 4.5,4.1
NEIC IV 22 01 52 04.8–2.6 19.9S–.10 169.92E–.05 50–9 4.5b,4.1
ISC Event type se.
NOU Vanuatu Islands.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 22 12 29 36.4–2.0 19.19S–.10 168.1E–.20 10 4.2b 31 2-63
NOU IV 22 12 29 34.2 19.05S 168.13E 0 4.0 **¶610653266**
IDC IV 22 12 29 36.0–12 19.18S 167.88E 0 3.9b,3.8
NEIC IV 22 12 29 38.7–2.6 19.30S–.09 168.04E–.10 10–2 4.2b,3.8
ISC Event type se.

NOU Vanuatu Islands.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU IV 24 01 03 36.6 14.80S 167.31E 108 4.7 ¶612489552
NOU Vanuatu Islands.
IDC IV 24 18 36 51.7–10 14.62S 166.83E 95–124 3.7,3.4b ¶610649916
IDC Error ellipse: s-maj=265.2km s-min=62.3km az=82.0.
IDC IV 24 20 18 01.4–9.8 14.68S 166.14E 0 3.8b,3.7 ¶610649920
IDC Error ellipse: s-maj=295.5km s-min=59.7km az=129.0.
ISC IV 25 05 36 27.3–2.4 15.0S–.10 167.4E–.30 129 3.9b 11 7-121
IDC IV 25 05 36 24.5–8.5 14.95S 167.44E 111–76 4.2L,4.1 **¶610649952**
NOU IV 25 05 36 25.6 14.87S 167.75E 117 4.5,4.1
ISC Event type ke.
IDC Error ellipse: s-maj=66.4km s-min=49.3km az=166.0.
NOU Vanuatu Islands.
ISC IV 25 11 36 16.1–.40 14.88S–.05 167.31E–.05 110–3 4.7b 225 3-166
IDC IV 25 11 36 15.9–.62 14.88S 167.40E 108–5 4.6,4.2b **¶610554294**
BJI IV 25 11 36 16.0–.00 14.80S 167.30E 110 4.8b,4.6b
NOU IV 25 11 36 16.1 14.82S 167.35E 105 5.2b,4.6b
NEIC IV 25 11 36 17.1–2.3 14.94S–.07 167.42E–.09 117–6 4.8b,4.6b
GCMT IV 25 11 36 17.1–.30 14.77S–.03 167.02E–.02 99–3 4.8W,4.6b
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s264.17389°,δ82.33498°,λ156.62000°. NP2: ϕ_s357.47412°,δ66.84114°,λ8.34140°. Principal axes: T Plg21.8641°,Azm218.5490° ; N Plg65.4628°,Azm67.0278°; P Plg10.5899°,Azm312.8515°
NOU Vanuatu Islands.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s25,c26; s64,c83;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.38±.10 $M_{\theta\theta}$-0.15±.12; $M_{\phi\phi}$-1.22±.11; $M_{r\theta}$-0.85±.07; $M_{r\phi}$-1.79±.10; $M_{\theta\phi}$0.42±.07; Best double couple: NP1:ϕ_s250.00000°,δ60.00000°,λ140.00000°. NP2:ϕ_s3.00000°,δ56.00000°,λ37.00000°. Principal axes: T 2.2180,Plg48.0000° ,Azm214.0000°; N 0.3500,Plg42.0000°,Azm40.0000°; P -2.5630,Plg3.0000°,Azm307.0000° $M_0$2.39000×10^{16}
NOU IV 25 16 17 22.1 14.71S 166.84E 0 4.5 ¶612489572
NOU Vanuatu Islands.
NOU IV 27 08 25 46.8 18.60S 169.12E 212 3.7 ¶612489586
NOU Vanuatu Islands.
IDC IV 28 11 11 43.2–76 13.51S 166.05E 0 3.5,3.5b ¶610650221
IDC Error ellipse: s-maj=1275.0km s-min=125.2km az=62.0.
IDC IV 29 11 26 27.7–65 15.40S 167.69E 546–347 3.8,2.7b ¶610650302
IDC Error ellipse: s-maj=1340.0km s-min=93.7km az=68.0.
ISC IV 29 23 15 22.7–.54 13.43S–.07 166.24E–.09 36 4.5b,3.7s 52 7-165
IDC IV 29 23 15 16.9–.92 13.38S 166.44E 0 4.2,4.2b **¶610650362**
NEIC IV 29 23 15 22.3–1.3 13.39S–.09 166.3E–.20 35–2 4.7b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IV 30 02 40 31.7–5.0 14.02S 166.82E 0 3.5,3.5b ¶610650375
IDC Error ellipse: s-maj=244.5km s-min=32.8km az=142.0.
ISC IV 30 09 25 12.3–.99 13.4S–.20 166.4E–.10 50 3.8b 12 7-119
IDC IV 30 09 25 14.2–7.5 13.40S 166.31E 63–58 5.4L,3.9 **¶610650399**
ISC Event type ke.
IDC Error ellipse: s-maj=49.4km s-min=23.1km az=113.0.
ISC V 01 17 15 31.8–2.2 14.9S–.20 168.0E–.20 36 4.5b 23 6-98
IDC V 01 17 15 28.3–3.7 14.99S 167.79E 0 4.3,4.3b **¶610689326**
NEIC V 01 17 15 34.4–2.1 15.2S–.10 167.9E–.20 35–2 4.5b,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC V 01 22 44 08.6–4.4 20.50S 170.89E 0 3.7,3.7b ¶610689345
IDC Error ellipse: s-maj=244.9km s-min=57.3km az=157.0.
ISC V 02 00 51 50.6–.51 14.86S–.05 167.51E–.06 152–4 4.7b 202 6-166
IDC V 02 00 51 49.6–1.2 14.84S 167.55E 146–10 4.5,4.1b **¶610590174**
NOU V 02 00 51 50.3 14.69S 167.59E 156 4.6b,4.1b
NEIC V 02 00 51 50.1–1.8 14.84S–.09 167.5E–.10 143–6 4.9b,4.1b
BJI V 02 00 51 51.4–.00 14.45S 167.66E 162 4.8b,4.7b
ISC Event type se.
IDC Error ellipse: s-maj=12.5km s-min=10.6km az=81.0.
NOU Vanuatu Islands.
NEIC Event type se. Error ellipse: s-maj=15.0km s-min=11.9km az=111.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 02 07 04 01.8–4.5 14.9S–.30 166.8E–.50 57 3.8b 9 6-32
IDC V 02 07 03 59.0–14 14.99S 166.25E 0 3.9L,3.8 **¶610689374**
NOU V 02 07 04 02.5 14.97S 167.53E 121 4.7,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=238.3km s-min=37.5km az=59.0.
NOU Vanuatu Islands.
NOU V 02 11 54 37.9 17.31S 167.79E 0 4.2 ¶612489628
NOU Vanuatu Islands.
ISC V 02 15 18 03.5–.61 13.60S–.07 167.18E–.08 150 4.2b 40 7-166
NEIC V 02 15 18 04.7–1.1 13.6S–.10 167.15E–.09 159–10 4.3b **¶610689401**
IDC V 02 15 18 06.2–1.1 13.62S 167.14E 174–7 4.1,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.3km s-min=10.0km az=154.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=20.7km s-min=14.2km az=104.0.
ISC V 03 04 43 52.3–.58 13.75S–.05 167.24E–.05 198–5 4.7b 226 7-166
IDC V 03 04 43 51.4–.74 13.78S 167.26E 189–6 4.8,4.3s **¶610593223**
NEIC V 03 04 43 52.5–.89 13.77S–.09 167.19E–.09 194–6 4.7b,4.3s
NOU V 03 04 43 53.6 13.76S 167.10E 192 4.8b,4.3s
ISC Event type se.
IDC Error ellipse: s-maj=10.7km s-min=8.9km az=98.0.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=12.6km az=146.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Vanuatu Islands.
IDC V 03 16 18 16.0–8.9 18.38S 170.14E 214–54 3.9,3.4b ¶610689488
IDC Error ellipse: s-maj=121.1km s-min=79.5km az=121.0.
IDC V 04 22 22 48.4–11 16.92S 166.37E 0 3.6,3.6b ¶610689569
IDC Error ellipse: s-maj=317.4km s-min=55.9km az=130.0.
NOU V 05 09 26 43.5 20.51S 169.83E 121 4.2 ¶612489651
NOU Vanuatu Islands.
ISC V 05 19 33 06.2–.38 18.99S–.06 169.39E–.06 246 4.6b 202 3-167
NEIC V 05 19 33 05.9–1.6 18.99S–.10 169.48E–.09 242–8 4.6b **¶610613124**
IDC V 05 19 33 06.9–1.4 18.94S 169.43E 251–13 4.5,3.9b
NOU V 05 19 33 07.1 18.96S 169.37E 244 4.7b,3.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.1km s-min=11.5km az=153.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=11.7km s-min=11.4km az=4.0.
NOU Vanuatu Islands.
ISC V 06 07 07 54.8–.83 14.54S–.09 166.9E–.20 35 4.1b 14 8-130
IDC V 06 07 07 55.9–4.3 14.61S 166.88E 45–42 4.0,3.8b **¶610689649**
ISC Event type ke.
IDC Error ellipse: s-maj=31.6km s-min=27.6km az=120.0.
ISC V 06 17 47 34.1–1.3 14.0S–.10 167.0E–.20 100 3.5b 8 8-125
IDC V 06 17 47 35.8–7.9 14.07S 167.08E 116–75 3.9,3.8s **¶610689677**
ISC Event type ke.
IDC Error ellipse: s-maj=64.0km s-min=31.3km az=156.0.
ISC V 07 11 14 29.4–.43 19.02S–.07 169.45E–.07 246 4.4b 113 3-167
NOU V 07 11 14 30.8 19.00S 169.43E 255 4.5b **¶610617830**
IDC V 07 11 14 30.4–1.7 19.04S 169.45E 260–17 4.4,3.9b
NEIC V 07 11 14 31.3–1.4 19.1S–.10 169.48E–.10 263–9 4.4b,3.9b
ISC Event type se.
NOU Vanuatu Islands.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 07 12 02 21.5–.84 19.16S–.09 168.6E–.10 42 4.4b,3.4s 46 2-92
IDC V 07 12 02 15.0–1.3 18.96S 168.59E 0 4.1,4.1b **¶616639896**
NOU V 07 12 02 20.2 19.15S 168.12E 0 4.5,4.1b
NEIC V 07 12 02 28.1–1.1 19.60S–.07 168.3E–.10 64–11 4.4b,4.1b
ISC Event type se.
NOU Vanuatu Islands.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 07 23 05 46.9–.65 14.67S–.08 167.8E–.10 30 4.2b,3.5s 31 7-166
IDC V 07 23 05 42.5–.71 14.58S 167.80E 0 4.2,4.2b **¶610689762**
NEIC V 07 23 05 48.6–1.3 14.71S–.09 167.9E–.20 46–7 4.3b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 08 06 30 47.3–.53 20.60S–.06 169.30E–.05 78–4 4.8b 237 3-166
IDC V 08 06 30 44.5–1.7 20.44S 169.39E 54–14 4.6,4.4L **¶610617966**
NEIC V 08 06 30 47.3–2.1 20.63S–.10 169.33E–.08 71–5 4.8b,4.4L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 08 15 59 15.0–1.0 17.6S–.10 167.4E–.10 10 3.8b 8 5-123
IDC V 08 15 59 11.1–2.3 17.41S 167.84E 0 3.8,3.8b **¶610689800**
ISC Event type ke.
IDC Error ellipse: s-maj=61.0km s-min=34.3km az=115.0.
IDC V 09 10 18 48.3–9.3 18.63S 169.26E 235–51 4.1,3.6b ¶610689892
IDC Error ellipse: s-maj=121.8km s-min=80.6km az=105.0.
ISC V 09 13 52 10.9–.21 14.60S–.02 167.35E–.02 175–1 6.6b 2675 7-176
IDC V 09 13 52 08.6–.74 14.62S 167.38E 151–5 6.6,6.2b **¶616639916**
BJI V 09 13 52 09.0–.00 14.58S 167.35E 170 7.0b,6.6b
MOS V 09 13 52 09.7–1.1 14.53S 167.29E 171 7.0b,6.1s
NEIC V 09 13 52 10.9 14.60S 167.38E 169 7.0b,6.1s
NEIC V 09 13 52 10.9–2.0 14.59S–.08 167.38E–.08 169–1 6.8,6.8
NEIC V 09 13 52 11.2 14.61S 167.36E 170 6.8,6.8
NEIC V 09 13 52 11.2 14.51S 167.15E 170 6.8,6.8
NEIC V 09 13 52 11.2 14.61S 167.36E 170 6.8,6.8
GCMT V 09 13 52 15.0–.00 14.55S 167.20E 181–0 6.8W,6.8
NEIC V 09 13 52 37.8 14.48S 167.04E 174 6.8W,6.8
ISC Event type se.
IDC Error ellipse: s-maj=8.8km s-min=6.7km az=64.0.
MOS Error ellipse: s-maj=7.3km s-min=5.4km az=124.1. Moment Tensor Solution. Broadband fault plane solution: P waves. NP1:ϕ_s166.00000°,δ48.00000°,λ114.00000°. NP2: ϕ_s312.00000°,δ48.00000°,λ66.00000°. Principal axes: T Plg72.0000°,Azm149.0000° ; N Plg18.0000°,Azm329.0000°; P Plg0.0000°,Azm239.0000°
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.3km s-min=13.0km az=162.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{19}Nm; M_{rr}1.59 $M_{\theta\theta}$-0.41 $M_{\phi\phi}$-1.18 $M_{r\theta}$-0.58 $M_{\theta\phi}$0.43 $M_{\phi r}$-0.15 NP1:ϕ_s171.32000°,δ45.27000°,λ113.71000°. NP2:ϕ_s319.36000° ,δ49.42000°,λ67.91000°. Principal axes: T 1.7713,Plg73.0000°,Azm162.0000° ; N -0.3900,Plg17.0000°,Azm334.0000°; P -1.3813,Plg2.0000°,Azm65.0000° $M_0$1.61000×10^{19}
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 12s7 Moment tensor: Scale 10^{19}Nm; M_{rr}1.41 $M_{\theta\theta}$-0.09 $M_{\phi\phi}$-1.32 $M_{r\theta}$-0.80 $M_{\theta\phi}$0.82 $M_{\phi r}$-0.26 NP1:ϕ_s307.97000°,δ53.75000° ,λ53.95000°. NP2:ϕ_s178.87000°,δ49.30000°,λ128.75000°. Principal axes: T 1.8661,Plg62.0000°,Azm157.0000°; N -0.1303,Plg28.0000°,Azm331.0000° ; P -1.7359,Plg2.0000°,Azm63.0000° $M_0$1.80000×10^{19}
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=50s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s175,c481; s177,c875; Duration: 5s9 Moment tensor: Scale 10^{19}Nm; M_{rr}1.50±.01 $M_{\theta\theta}$-0.16±.01; $M_{\phi\phi}$-1.34±.01; $M_{r\theta}$-0.74±.00; $M_{\theta\phi}$0.79±.01; $M_{\phi r}$-0.29±.00; Best double couple: NP1:ϕ_s310.00000°,δ52.00000° ,λ57.00000°. NP2:ϕ_s177.00000°,δ49.00000°,λ125.00000°. Principal axes: T 1.8840,Plg64.0000°,Azm156.0000°; N -0.1450,Plg26.0000°,Azm332.0000° ; P -1.7420,Plg2.0000°,Azm63.0000° $M_0$1.81300×10^{19}
NEIC Event type se. Moment Tensor Solution.Duration: 13s7 Moment tensor: Scale 10^{19}Nm; M_{rr}1.31 $M_{\theta\theta}$0.02 $M_{\phi\phi}$-1.32 $M_{r\theta}$-0.75 $M_{\theta\phi}$1.09 $M_{\phi r}$-0.30 NP1:ϕ_s179.85000°,δ52.08000° ,λ134.35000°. NP2:ϕ_s302.01000°,δ55.66000°,λ48.10000°. Principal axes: T 1.8406,Plg56.0000°,Azm153.0000°; N 0.0954,Plg33.0000°,Azm329.0000° ; P -1.9359,Plg2.0000°,Azm60.0000° $M_0$1.89000×10^{19}
IDC V 09 15 13 31.8–14 14.47S 165.79E 0 4.5s,3.9 ¶610689898
IDC Error ellipse: s-maj=241.9km s-min=37.8km az=57.0.
ISC V 10 00 10 05.8–.37 15.61S–.04 167.55E–.05 130–3 5.0b 650 6-168
IDC V 10 00 10 05.1–.69 15.61S 167.65E 122–5 4.8,4.5b **¶615092632**
BJI V 10 00 10 05.5–.00 15.18S 167.67E 125 5.0b,4.8b
MOS V 10 00 10 05.9–1.2 15.59S 167.52E 135 5.1b,4.8b
NOU V 10 00 10 05.7 15.54S 167.59E 118 4.9b,4.8b
NEIC V 10 00 10 06.1–1.9 15.62S–.08 167.60E–.09 125–5 5.0b,4.8b
ISC Event type se.
NOU Vanuatu Islands.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC V 10 09 46 41.0–1.7 14.77S 166.50E 0 3.6,3.6b ¶610689960
IDC Error ellipse: s-maj=52.1km s-min=32.1km az=127.0.
NOU V 10 11 23 22.4 15.57S 167.70E 30 4.7 ¶612489682
NOU Vanuatu Islands.
NOU V 10 16 16 50.4 18.56S 170.37E 203 4.1 ¶612489686
NOU Vanuatu Islands.
IDC V 11 04 45 38.6–10 14.37S 166.33E 122–95 3.9,3.6b ¶610690021
IDC Error ellipse: s-maj=78.9km s-min=31.9km az=174.0.
ISC V 12 14 14 31.4–.68 14.48S–.05 167.27E–.05 196–5 4.8b 601 6-166
IDC V 12 14 14 29.6–.96 14.46S 167.33E 177–8 5.1,4.6b **¶616639928**
GCMT V 12 14 14 30.6–.40 14.40S–.04 167.16E–.03 186–4 5.0W,4.6b
NEIC V 12 14 14 31.6–1.8 14.51S–.10 167.3E–.10 191–7 4.8b,4.6b
BJI V 12 14 14 31.0–.00 14.50S 167.30E 200 4.8b,4.8b
BGR V 12 14 14 38.9 14.79S 167.25E 242 4.8b,4.8b
NOU V 12 14 14 38.4 14.45S 167.17E 256 4.8b,4.8b
ISC Event type ke.
IDC Error ellipse: s-maj=9.8km s-min=7.5km az=75.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s14,c17; s68,c85;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.65±.19 $M_{\theta\theta}$-1.27±.22; $M_{\phi\phi}$-1.39±.21; $M_{r\theta}$1.10±.16; $M_{\theta\phi}$1.29±.20; $M_{\phi r}$-1.95±.17; Best double couple: NP1:ϕ_s145.00000°,δ65.00000°,λ97.00000°. NP2:ϕ_s308.00000°,δ26.00000°,λ74.00000°. Principal axes: T 3.5040,Plg69.0000° ,Azm70.0000°; N -0.1040,Plg7.0000°,Azm322.0000°; P -3.4100,Plg20.0000°,Azm230.0000° $M_0$3.45700×10^{16}
NEIC Event type se. Error ellipse: s-maj=16.4km s-min=14.0km az=86.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BGR Event type ke.
NOU Vanuatu Islands.

ISC V 13 00 15 56.5–.79 14.64S–.08 167.4E–.20 150 4.0b 30 6-166
NEIC V 13 00 15 51.9–1.3 14.3S–.20 167.7E–.20 134–11 4.2b ¶610690155
IDC V 13 00 15 57.6–3.8 14.71S 167.31E 159–34 4.1,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=30.6km s-min=26.3km az=171.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=25.0km s-min=22.7km az=134.0.
IDC V 13 01 35 39.1–3.5 13.82S 166.52E 0 4.2L,4.0
¶610690161
IDC Error ellipse: s-maj=68.8km s-min=41.6km az=82.0.
ISC V 14 00 54 06.3–.67 18.89S–.08 169.1E–.10 147 4.2b 50 3-147
IDC V 14 00 54 07.0–3.7 18.88S 168.96E 150–30 4.0,3.6b ¶610690228
NOU V 14 00 54 08.0 18.94S 169.03E 146 4.4,3.6b
NEIC V 14 00 54 09.7–1.9 19.05S–.09 168.97E–.09 152–11 4.2b,3.6b
ISC Event type se.
NOU Vanuatu Islands.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 14 21 29 55.5–1.2 13.5S–.20 167.5E–.30 150 3.7b 17 30-153
IDC V 14 21 29 54.5–10 13.42S 167.46E 137–87 4.0,3.6b ¶610690299
ISC Event type ke.
IDC Error ellipse: s-maj=50.7km s-min=27.0km az=113.0.
NOU V 15 10 22 27.6 16.55S 167.70E 24 4.1
¶612489719
NOU Vanuatu Islands.
ISC V 16 13 48 41.9–.83 14.49S–.08 167.4E–.10 170 4.1b 30 6-120
NEIC V 16 13 48 41.6–1.1 14.5S–.20 167.4E–.20 171–17 4.1b ¶610690423
IDC V 16 13 48 42.4–4.1 14.48S 167.33E 171–39 4.2,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=27.2km s-min=23.4km az=174.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=29.7km s-min=22.7km az=176.0.
ISC V 16 20 41 36.2–2.0 19.1S–.20 169.2E–.30 300 3.6b 9 4-144
IDC V 16 20 41 38.7–3.1 19.36S 169.13E 326–31 4.0,3.4b ¶610690442
ISC Event type ke.
IDC Error ellipse: s-maj=68.9km s-min=36.4km az=163.0.
NOU V 17 08 32 50.4 14.69S 167.38E 127 4.6
¶612489734
NOU Vanuatu Islands.
IDC V 17 14 21 26.3–65 18.00S 171.00E 0 4.0,4.0b
¶610690497
IDC Error ellipse: s-maj=1114.0km s-min=126.9km az=73.0.
ISC V 19 04 19 44.3–2.4 18.6S–.20 169.2E–.20 200 14 3-100
IDC V 19 04 19 27.5–2.4 16.74S 168.20E 0 4.4L,4.1 ¶610690643
NOU V 19 04 19 46.6 18.69S 169.20E 182 4.3,4.1
ISC Event type ke.
IDC Error ellipse: s-maj=59.4km s-min=38.5km az=130.0.
NOU Vanuatu Islands.
ISC V 19 09 06 24.3–2.0 16.7S–.10 169.4E–.30 10 4.2b 10 5-70
IDC V 19 09 06 23.4–2.9 16.46S 169.15E 0 3.9,3.9b ¶610690663
NOU V 19 09 06 53.0 18.80S 169.00E 192 3.8,3.9b
ISC Event type ke.
IDC Error ellipse: s-maj=83.0km s-min=27.7km az=120.0.
NOU Vanuatu Islands.
NOU V 19 10 52 23.3 19.12S 170.11E 0 4.2
¶612489757
NOU Vanuatu Islands.
ISC V 19 12 58 43.9–2.1 19.1S–.10 169.0E–.20 100 4.2b 30 2-41
NEIC V 19 12 58 37.5–1.6 18.8S–.10 169.5E–.10 61–17 4.2b ¶610690672
IDC V 19 12 58 44.1–13 18.65S 167.48E 0 3.9,3.9b
NOU V 19 12 58 46.1 19.15S 168.94E 82 4.2,3.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=24.4km s-min=2.7km az=129.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=227.9km s-min=39.0km az=76.0.
NOU Vanuatu Islands.
IDC V 20 05 13 39.8–69 13.68S 165.88E 0 3.7,3.7b
¶610685010
IDC Error ellipse: s-maj=1158.0km s-min=121.8km az=63.0.
ISC V 20 10 28 57.6–1.1 20.0S–.10 168.5E–.10 25 3.8b 14 1-126
IDC V 20 10 28 54.0–1.6 19.75S 168.44E 0 3.9,3.9b ¶610685022
NOU V 20 10 28 53.1 19.83S 168.66E 0 3.7,3.9b
ISC Event type ke.
IDC Error ellipse: s-maj=73.3km s-min=26.1km az=145.0.
NOU Vanuatu Islands.
ISC V 21 01 02 21.9–1.0 15.19S–.09 167.7E–.20 150 3.9b 16 6-126
IDC V 21 01 02 24.6–5.0 15.34S 167.61E 176–45 4.0,3.5b ¶610685057
NOU V 21 01 02 27.1 15.53S 167.93E 135 4.4,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=36.6km s-min=23.9km az=4.0.
NOU Vanuatu Islands.
ISC V 21 07 10 36.7–.34 20.37S–.05 169.40E–.05 87–2 4.8b 219 2-166
BJI V 21 07 10 33.6–.00 20.28S 170.05E 87 4.9b,4.8b ¶610646025
IDC V 21 07 10 36.1–.61 20.37S 169.44E 86–4 4.5,4.1b
NEIC V 21 07 10 37.6–2.0 20.40S–.08 169.39E–.07 86–7 4.8b,4.1b
NOU V 21 07 10 38.2 20.28S 169.27E 83 5.0b,4.1b
BGR V 21 07 10 41.3 20.63S 169.39E 104 5.0b,4.1b
ISC Event type ke.
IDC Error ellipse: s-maj=14.8km s-min=10.6km az=151.0.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=9.9km az=162.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Vanuatu Islands.
BGR Event type ke.
ISC V 22 03 17 36.2–1.1 17.5S–.10 167.7E–.10 50 4.4b,3.5s 28 3-87
NEIC V 22 03 17 35.0–1.9 17.36S–.03 167.8E–.10 40–10 4.4b,3.5s ¶610685123
IDC V 22 03 17 38.1–7.2 17.54S 167.61E 53–72 4.2,4.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.1km s-min=1.3km az=103.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=57.5km s-min=43.4km az=121.0.
NOU V 22 23 20 23.5 15.00S 167.89E 0 4.6
¶612489785
NOU Vanuatu Islands.
ISC V 24 23 57 07.4–1.3 18.0S–.10 167.8E–.20 35 3.8b,3.1s 9 3-124
NOU V 24 23 56 57.2 17.16S 167.60E 113 4.5,3.1s ¶610685324
IDC V 24 23 57 01.9–1.8 17.82S 167.92E 0 3.7,3.7b
ISC Event type ke.
NOU Vanuatu Islands.
IDC Error ellipse: s-maj=61.1km s-min=31.7km az=132.0.
IDC V 25 09 25 11.2–11 13.34S 168.56E 154–104 3.6,3.2b
¶610685356
IDC Error ellipse: s-maj=188.4km s-min=80.6km az=88.0.
NOU V 26 16 39 00.3 14.80S 167.11E 85 4.6
¶612489834
NOU Vanuatu Islands.
ISC V 26 21 53 07.6–3.1 17.8S–.20 167.2E–.30 20 3.6b 11 4-32
NOU V 26 21 53 03.1 17.60S 167.35E 0 4.1 ¶610685456
IDC V 26 21 53 09.3–13 18.02S 166.58E 0 3.8,3.8b
ISC Event type ke.
NOU Vanuatu Islands.
IDC Error ellipse: s-maj=227.7km s-min=36.7km az=63.0.
ISC V 26 22 32 05.6–.32 14.86S–.04 167.17E–.05 91–2 5.1b 679 6-166
MOS V 26 22 32 03.2–.88 14.87S 167.17E 84 5.2b ¶610654880
IDC V 26 22 32 05.0–.54 14.86S 167.18E 87–4 5.0,4.7b
NEIC V 26 22 32 05.5–1.4 14.82S–.09 167.23E–.09 87–5 5.1b,4.7b
NOU V 26 22 32 06.3 14.84S 167.12E 86 5.2b,4.7b
BJI V 26 22 32 06.6–.00 14.15S 167.13E 87 5.0b,4.8b
GCMT V 26 22 32 07.5–.20 14.94S–.01 166.94E–.01 96–1 5.2W,4.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Vanuatu Islands.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function. Moment Tensor Solution. s89,c130; s125,c191;Duration: 1s0
Moment tensor: Scale 10^{16}Nm; M_{rr}0.99±.13 $M_{\theta\theta}$0.81±.15; $M_{\phi\phi}$-1.80±.14; $M_{r\theta}$-4.41±.09;
$M_{\theta\phi}$5.85±.13; $M_{\phi r}$-0.30±.09; Best double couple: NP1:ϕ_s279.00000°,δ83.00000°,λ36.00000°.
NP2:ϕ_s183.00000°,δ54.00000°,λ171.00000°. Principal axes: T 7.6300,Plg30.0000°
,Azm147.0000°; N -0.2700,Plg53.0000°,Azm288.0000°; P -7.3570,Plg19.0000°
,Azm46.0000° $M_0$7.49300×10^{16}
ISC V 26 23 58 44.6–1.6 13.6S–.10 167.2E–.30 200 3.8b 9 8-125
IDC V 26 23 58 43.9–8.3 13.57S 167.16E 192–76 3.9,3.5b ¶610685462
ISC Event type ke.
IDC Error ellipse: s-maj=66.0km s-min=36.4km az=168.0.
NOU V 27 00 53 35.4 16.72S 167.65E 5 4.2
¶612489841
NOU Vanuatu Islands.
NOU V 27 04 52 01.3 20.39S 169.72E 97 3.9
¶612489843
NOU Vanuatu Islands.
NOU V 27 07 44 36.0 16.27S 167.93E 0 4.3
¶612489848
NOU Vanuatu Islands.
NOU V 27 14 53 26.4 16.32S 168.26E 144 4.3
¶612489853
NOU Vanuatu Islands.
ISC V 27 20 28 20.1–.71 17.44S–.08 167.8E–.10 10 4.4b,3.5s 48 4-123
IDC V 27 20 28 18.3–1.2 17.47S 167.83E 0 4.9L,3.8 ¶610685515
NEIC V 27 20 28 20.2–1.5 17.4S–.10 167.85E–.10 10–2 4.5b,3.8
NOU V 27 20 28 22.8 17.46S 167.75E 19 4.6,3.8
ISC Event type se.
IDC Error ellipse: s-maj=36.6km s-min=21.8km az=107.0.
NEIC Event type se. Error ellipse: s-maj=21.5km s-min=11.0km az=38.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Vanuatu Islands.
ISC V 29 08 03 04.2–2.0 15.5S–.10 168.9E–.20 200 4.3b 27 5-75
NEIC V 29 08 03 07.5–1.2 15.78S–.08 168.8E–.20 215–12 4.3b ¶610685598
IDC V 29 08 03 08.2–9.6 15.24S 167.70E 156–85 4.1,3.7b
NOU V 29 08 03 17.5 16.22S 168.71E 236 4.1,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=28.1km s-min=5.3km az=109.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=161.7km s-min=68.2km az=86.0.
NOU Vanuatu Islands.
ISC V 30 03 20 11.9–.44 14.78S–.06 167.75E–.08 35 4.7b,3.7s 104 6-166
IDC V 30 03 20 06.7–.58 14.70S 167.79E 0 4.5L,4.4 ¶610685686
NEIC V 30 03 20 12.1–1.9 14.76S–.10 167.8E–.10 40–8 4.9b,4.4
GCMT V 30 03 20 14.1–.30 14.58S–.02 167.83E–.03 29–1 4.9W,4.4
NOU V 30 03 20 16.7 15.43S 167.87E 5 5.0,4.4
ISC Event type se.
IDC Error ellipse: s-maj=21.3km s-min=14.5km az=102.0.
NEIC Event type se. Error ellipse: s-maj=20.2km s-min=13.8km az=92.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function. Moment Tensor Solution. s18,c20; s68,c80;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}0.89±.19 $M_{\theta\theta}$1.09±.15; $M_{\phi\phi}$-1.98±.15; $M_{r\theta}$0.20±.21;
$M_{\theta\phi}$2.12±.11; $M_{\phi r}$0.87±.18; Best double couple: NP1:ϕ_s15.00000°,δ82.00000°,λ157.00000°.
NP2:ϕ_s109.00000°,δ67.00000°,λ9.00000°. Principal axes: T 2.4060,Plg22.0000°
,Azm330.0000°; N 0.7710,Plg66.0000°,Azm176.0000°; P -3.1790,Plg10.0000°,Azm64.0000°
$M_0$2.79200×10^{16}
NOU Vanuatu Islands.
IDC V 30 07 35 23.5–5.3 14.10S 167.40E 0 3.8s,3.6
¶610685702
IDC Error ellipse: s-maj=257.1km s-min=34.6km az=142.0.
NOU V 30 12 59 21.3 19.66S 169.62E 123 3.9
¶612489891
NOU Vanuatu Islands.
NOU V 30 14 58 42.6 17.60S 168.07E 41 3.8
¶612489892
NOU Vanuatu Islands.
ISC V 31 08 35 25.2–.54 20.60S–.08 169.68E–.08 100 4.6b 83 2-166
IDC V 31 08 35 25.2–.83 20.54S 169.66E 99–6 4.2,3.8b ¶610685782
NEIC V 31 08 35 25.7–1.5 20.69S–.10 169.7E–.10 99–5 4.6b,3.8b
NOU V 31 08 35 26.9 20.60S 169.49E 92 5.1,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=20.2km s-min=16.7km az=134.0.
NEIC Event type se. Error ellipse: s-maj=16.0km s-min=11.3km az=135.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Vanuatu Islands.
ISC V 31 12 29 10.2–3.7 14.5S–.20 167.3E–.40 100 3.8b 10 7-33
IDC V 31 12 29 08.3–9.8 14.42S 167.33E 88–71 4.1,4.1L ¶610685792
NOU V 31 12 29 14.4 14.73S 167.34E 107 4.2,4.1L
ISC Event type ke.
IDC Error ellipse: s-maj=134.1km s-min=55.1km az=72.0.
NOU Vanuatu Islands.
ISC VI 01 17 48 38.6–.97 19.0S–.10 169.4E–.20 200 4.2b 33 3-90
NEIC VI 01 17 48 39.0–.97 19.0S–.20 169.33E–.10 200–12 4.6b ¶610791064
IDC VI 01 17 48 40.1–2.8 18.94S 169.19E 205–32 4.2,3.7b
NOU VI 01 17 48 43.5 19.22S 169.29E 160 4.0,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=26.9km s-min=10.0km az=159.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=68.4km s-min=24.4km az=140.0.
NOU Vanuatu Islands.
NOU VI 06 03 49 37.3 18.08S 169.67E 172 4.1
¶612489956
NOU Vanuatu Islands.
ISC VI 06 08 39 30.0–2.7 18.5S–.30 170.0E–.20 200 4.2b 21 3-61
NEIC VI 06 08 39 29.4–1.2 18.6S–.20 170.1E–.20 193–13 4.1b ¶610791335
IDC VI 06 08 39 30.3–75 18.60S 169.97E 196–163 4.1,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=25.9km s-min=20.1km az=134.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=1001.0km s-min=102.7km az=73.0.
ISC VI 07 10 13 39.9–.36 18.46S–.05 167.82E–.05 29 4.8b,4.4s 100 2-146
IDC VI 07 10 13 33.4–.81 18.32S 168.18E 0 5.0L,4.3s ¶610666305
NOU VI 07 10 13 34.8 18.28S 167.89E 2 4.8,4.3s
NEIC VI 07 10 13 41.0–1.6 18.56S–.07 167.77E–.08 24–5 4.9,4.8b
GCMT VI 07 10 13 41.0–.20 18.21S–.02 167.82E–.01 28–0 5.1W,4.8b
NEIC VI 07 10 13 42.3 18.59S 167.75E 29 5.1W,4.8b
ISC Event type se.
IDC Error ellipse: s-maj=22.5km s-min=17.8km az=120.0.
NOU Vanuatu Islands.
NEIC Event type se. Error ellipse: s-maj=11.0km s-min=10.3km az=87.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}2.10 $M_{\theta\theta}$-0.09 $M_{\phi\phi}$-2.00 $M_{r\theta}$-0.50
$M_{\theta\phi}$0.76 $M_{\phi r}$-1.25 NP1:ϕ_s180.16000°,δ60.55000°,λ110.77000°. NP2:ϕ_s322.51000°
,δ35.49000°,λ57.86000°. Principal axes: T 2.6262,Plg67.0000°,Azm131.0000°
; N -0.1205,Plg18.0000°,Azm350.0000°; P -2.5058,Plg13.0000°,Azm255.0000°
$M_0$2.57000×10^{16}

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s74,c91; s108,c155;Duration: 0
Moment tensor: Scale 10^{16}Nm; Mrr4.87±.18 Mθθ0.06±.12; Mφφ-4.93±.12; Mrθ1.23±.21; Mθφ1.18±.07; Mφr-3.52±.18; Best double couple: NP1:φs163.00000°,δ63.00000°,λ86.00000°. NP2:φs352.00000°,δ27.00000°,λ98.00000°. Principal axes: T 6.1150,Plg71.0000° ,Azm65.0000°; N 0.2970,Plg3.0000°,Azm165.0000°; P -6.4140,Plg18.0000°,Azm256.0000° M0 6.26400×10^{16}
NEIC Event type se.
ISC VI 07 12 56 04.7–.64 18.44S–.06 168.00E–.09 29 4.1b,3.8s 49 2-97
NOU VI 07 12 56 01.3 18.29S 167.89E 2 4.5,3.8s ¶616639997
NEIC VI 07 12 56 03.6–1.3 18.56S–.04 167.95E–.10 10–1 4.2b,3.8s
IDC VI 07 12 56 09.3–3.2 18.64S 168.18E 80–29 4.1,3.8s
ISC Event type se.
NOU Vanuatu Islands.
NEIC Event type se. Error ellipse: s-maj=16.8km s-min=5.0km az=110.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=31.2km s-min=21.7km az=117.0.
NOU VI 08 12 48 21.8 17.91S 168.15E 20 4.3
¶611401340
NOU Vanuatu Islands.
NOU VI 09 04 11 57.1 20.51S 169.95E 120 4.0
¶612489986
NOU Vanuatu Islands.
ISC VI 09 05 32 29.2–1.6 14.3S–.10 167.2E–.20 250 3.9b 9 8-120
IDC VI 09 05 32 29.1–5.7 14.25S 167.12E 248–48 4.1,3.5b ¶610791502
ISC Event type ke.
IDC Error ellipse: s-maj=44.2km s-min=27.4km az=23.0.
ISC VI 09 23 32 30.8–.89 18.4S–.10 167.69E–.09 25 4.3b,3.6s 17 3-146
NOU VI 09 23 32 26.3 18.06S 168.01E 68 4.4,3.6s ¶610791561
IDC VI 09 23 32 26.7–1.3 18.28S 167.66E 0 4.5L,4.1
ISC Event type ke.
NOU Vanuatu Islands.
IDC Error ellipse: s-maj=32.0km s-min=27.1km az=160.0.
ISC VI 10 00 43 59.3–.42 18.40S–.06 167.82E–.06 29 4.7b,3.9s 80 3-166
NOU VI 10 00 43 55.0 18.26S 167.90E 1 4.8b,3.9s ¶610669141
IDC VI 10 00 43 55.4–.94 18.19S 167.62E 0 4.6L,4.3
NEIC VI 10 00 43 59.1–1.6 18.47S–.09 167.79E–.05 22–7 4.8b,4.3
ISC Event type se.
NOU Vanuatu Islands.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 10 17 08 52.6–1.1 17.5S–.10 168.7E–.10 250 3.9b 34 4-86
IDC VI 10 17 08 51.9–2.5 17.42S 168.63E 244–24 4.2,3.5b ¶610791604
NOU VI 10 17 08 52.8 17.51S 168.81E 216 4.2,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=28.4km s-min=18.9km az=176.0.
NOU Vanuatu Islands.
NOU VI 11 02 45 17.1 17.36S 167.74E 13 4.3
¶612490002
NOU Vanuatu Islands.
ISC VI 11 11 48 05.8–.39 14.92S–.05 167.40E–.06 130–3 4.8b 299 6-166
BJI VI 11 11 48 04.4–.00 14.55S 167.68E 128 4.9b,4.7b ¶615092697
IDC VI 11 11 48 05.2–.55 14.87S 167.41E 125–3 4.7,4.4b
NOU VI 11 11 48 06.1 14.94S 167.39E 121 5.1b,4.4b
MOS VI 11 11 48 07.1–1.0 14.91S 167.27E 152 4.7b,4.4b
NEIC VI 11 11 48 07.0–1.6 14.91S–.04 167.4E–.10 133–6 5.0b,4.4b
GCMT VI 11 11 48 07.1–.30 15.00S–.02 167.14E–.03 128–5 4.9W,4.4b
ISC Event type se.
NOU Vanuatu Islands.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s20,c20; s79,c102;Duration: 0
Moment tensor: Scale 10^{16}Nm; Mrr0.84±.11 Mθθ1.80±.17; Mφφ-2.64±.14; Mrθ-1.78±.09; Mθφ1.05±.14; Mφr0.41±.09; Best double couple: NP1:φs307.00000°,δ75.00000°,λ36.00000°. NP2:φs207.00000°,δ55.00000°,λ162.00000°. Principal axes: T 3.2260,Plg36.0000° ,Azm173.0000°; N -0.1600,Plg51.0000°,Azm326.0000°; P -3.0610,Plg13.0000° ,Azm73.0000° M0 3.14300×10^{16}
ISC VI 11 20 17 00.8–.99 13.39S–.09 167.0E–.10 200 4.3b 36 8-119
NEIC VI 11 20 16 56.0–1.5 12.9S–.30 167.6E–.20 199–21 4.3b ¶610791671
IDC VI 11 20 17 03.7–3.1 13.43S 167.07E 221–27 4.3,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=45.6km s-min=8.1km az=217.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=40.2km s-min=23.8km az=139.0.
ISC VI 12 05 44 27.1–2.0 13.4S–.50 167.1E–.50 200 4.1b 7 21-119
IDC VI 12 05 44 26.5–4.3 13.34S 167.12E 194–32 4.3,3.7b ¶610791698
ISC Event type ke.
IDC Error ellipse: s-maj=76.2km s-min=22.6km az=136.0.
IDC VI 12 07 51 49.6–20 14.35S 165.44E 0 3.9,3.8b
¶610791710
IDC Error ellipse: s-maj=363.0km s-min=47.5km az=50.0.
ISC VI 12 09 20 33.8–.62 14.76S–.07 167.54E–.08 129 4.6b 95 7-120
NOU VI 12 09 20 31.5 14.38S 167.79E 144 4.8b ¶610791713
NEIC VI 12 09 20 37.2–1.4 14.9S–.10 167.5E–.10 157–11 4.7b
IDC VI 12 09 20 38.5–2.8 14.93S 167.42E 170–24 4.6,4.1b
ISC Event type se.
NOU Vanuatu Islands.
NEIC Event type se. Error ellipse: s-maj=17.9km s-min=13.9km az=62.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=22.0km s-min=14.4km az=57.0.
ISC VI 12 13 51 34.5–1.4 13.9S–.10 166.6E–.20 43 3.6b 7 8-119
IDC VI 12 13 51 28.5–1.5 13.89S 166.57E 0 3.8,3.8b ¶610791731
ISC Event type ke.
IDC Error ellipse: s-maj=44.4km s-min=25.7km az=118.0.
IDC VI 12 18 25 40.3–3.9 14.19S 167.71E 0 3.9,3.9b
¶610791736
IDC Error ellipse: s-maj=139.3km s-min=33.3km az=139.0.
NOU VI 13 09 15 47.5 16.35S 167.61E 23 3.8
¶612490017
NOU Vanuatu Islands.
IDC VI 13 17 45 31.6–14 14.73S 166.65E 0 3.6,3.6b
¶610791792
IDC Error ellipse: s-maj=248.1km s-min=39.6km az=62.0.
ISC VI 14 00 25 33.3–.31 18.09S–.05 169.00E–.05 10 4.3b 267 3-160
IDC VI 14 00 25 30.4–.56 17.96S 169.07E 0 4.7L,4.3 ¶617196373
ISC Event type ke.
IDC Error ellipse: s-maj=17.9km s-min=14.0km az=114.0.
ISC VI 14 00 25 43.4–.41 17.88S–.05 169.16E–.04 19–1 5.5b,5.5s 526 5-167
NEIC VI 14 00 25 37.9 17.91S 169.15E 12 5.5b,5.5s ¶610791814
NEIC VI 14 00 25 37.9 18.31S 168.73E 12 5.5b,5.5s
NEIC VI 14 00 25 37.2–2.0 18.33S–.07 168.73E–.09 14–3 5.8,5.7b
NEIC VI 14 00 25 38.1 18.29S 168.74E 18 5.8,5.7b
MOS VI 14 00 25 39.0–2.4 18.27S 168.47E 33 5.6b,5.3s
IDC VI 14 00 25 40.6–.38 17.78S 169.05E 0 5.5L,5.4s
GCMT VI 14 00 25 47.2–.10 17.81S 169.23E 13–0 5.8W,5.4s
ISC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 4s6 Moment tensor: Scale 10^{17}Nm; Mrr-1.65 Mθθ0.06 Mφφ1.59 Mrθ0.56 Mθφ-5.25 Mφr1.51 NP1:φs181.64000°,δ78.36000° ,λ-20.53000°. NP2:φs275.96000°,δ69.91000°,λ-167.60000°. Principal axes: T 6.2106,Plg6.0000°,Azm230.0000°; N -1.1352,Plg67.0000°,Azm333.0000° ; P -5.0754,Plg23.0000°,Azm138.0000° M0 5.64000×10^{17}
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.5km s-min=10.3km az=90.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; Mrr-0.06 Mθθ-1.29 Mφφ1.35 Mrθ1.17 Mθφ-2.91 Mφr-0.34 NP1:φs102.19000°,δ89.39000°,λ159.16000°. NP2:φs192.43000° ,δ69.16000°,λ0.65000°. Principal axes: T 3.4713,Plg15.0000°,Azm55.0000° ; N -0.1062,Plg69.0000°,Azm281.0000°; P -3.3651,Plg14.0000°,Azm149.0000° M0 3.42000×10^{17}
NEIC Event type se.
MOS Error ellipse: s-maj=8.7km s-min=7.7km az=38.5.
IDC Error ellipse: s-maj=13.1km s-min=12.1km az=112.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s152,c305; s165,c493; Duration: 1s9 Moment tensor: Scale 10^{17}Nm; Mrr-0.56±.04 Mθθ-1.08±.04; Mφφ1.64±.04; Mrθ0.95±.10; Mθφ-5.36±.04; Mφr0.51±.09; Best double couple: NP1:φs278.00000°,δ83.00000° ,λ-170.00000°. NP2:φs186.00000°,δ80.00000°,λ-7.00000°. Principal axes: T 5.8150,Plg2.0000°,Azm52.0000°; N -0.3330,Plg78.0000°,Azm314.0000° ; P -5.4780,Plg12.0000°,Azm142.0000° M0 5.64600×10^{17}
IDC VI 14 00 33 18.3–12 18.01S 168.84E 0 3.9,3.9b
¶610791816
IDC Error ellipse: s-maj=220.6km s-min=48.3km az=89.0.
ISC VI 14 12 34 11.1–.71 14.76S–.08 167.4E–.10 150 4.1b 40 6-126
NEIC VI 14 12 34 00.8–1.1 14.2S–.10 167.7E–.10 85–9 4.3b ¶610791865
NOU VI 14 12 34 10.0 14.50S 167.23E 118 4.7
IDC VI 14 12 34 11.4–2.8 14.75S 167.37E 152–24 4.2,4.0s
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.3km s-min=18.7km az=85.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Vanuatu Islands.
IDC Error ellipse: s-maj=20.1km s-min=17.9km az=40.0.
ISC VI 16 01 30 41.6–1.0 15.04S–.09 166.8E–.30 57 3.9b 8 7-120
IDC VI 16 01 30 34.4–1.4 14.86S 166.81E 0 3.8,3.8b ¶610791974
ISC Event type ke.
IDC Error ellipse: s-maj=55.9km s-min=29.7km az=111.0.
ISC VI 16 09 24 06.9–3.3 17.5S–.20 168.7E–.40 200 3.9b 8 4-49
IDC VI 16 09 24 05.1–8.6 17.51S 168.88E 198–59 3.8,3.3s ¶610791993
NOU VI 16 09 24 11.8 17.92S 168.96E 194 3.6,3.3s
ISC Event type ke.
IDC Error ellipse: s-maj=132.7km s-min=72.8km az=104.0.
NOU Vanuatu Islands.
ISC VI 17 16 37 21.8–.35 16.16S–.04 167.91E–.05 177–2 4.9b 348 5-166
MOS VI 17 16 37 21.6–1.2 16.17S 167.85E 189 4.6b ¶615092708
IDC VI 17 16 37 21.1–.48 16.14S 167.96E 169–3 4.7,4.2b
NOU VI 17 16 37 21.0 16.02S 167.96E 170 5.1b,4.2b
NEIC VI 17 16 37 22.8–2.5 16.22S–.08 167.87E–.10 177–6 5.0b,4.2b
GCMT VI 17 16 37 23.8–.30 16.13S–.02 167.78E–.02 189–3 5.1W,4.2b
BJI VI 17 16 37 24.8–.00 15.51S 167.59E 179 4.8b,4.5b
ISC Event type se.
MOS Error ellipse: s-maj=11.6km s-min=10.0km az=12.2.
IDC Error ellipse: s-maj=11.5km s-min=8.4km az=85.0.
NOU Vanuatu Islands.
NEIC Event type se. Error ellipse: s-maj=13.5km s-min=11.7km az=91.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s28,c33; s95,c135;Duration: 0
Moment tensor: Scale 10^{16}Nm; Mrr1.32±.14 Mθθ1.16±.15; Mφφ-2.48±.14; Mrθ-1.26±.12; Mθφ2.98±.13; Mφr-2.93±.12; Best double couple: NP1:φs190.00000°,δ78.00000°,λ136.00000°. NP2:φs291.00000°,δ47.00000°,λ16.00000°. Principal axes: T 4.8750,Plg38.0000° ,Azm141.0000°; N -0.0200,Plg45.0000°,Azm359.0000°; P -4.8560,Plg20.0000° ,Azm248.0000° M0 4.86500×10^{16}
NOU VI 19 10 30 11.0 14.73S 167.30E 101 4.6
¶612490062
NOU Vanuatu Islands.
ISC VI 19 19 21 17.9–3.1 17.9S–.10 169.2E–.30 35 3.8b 13 1-33
NOU VI 19 19 21 05.8 17.46S 169.74E 0 4.3 ¶610792207
IDC VI 19 19 21 13.2–9.3 17.90S 169.16E 0 3.8,3.8b
ISC Event type ke.
NOU Vanuatu Islands.
IDC Error ellipse: s-maj=161.3km s-min=47.9km az=90.0.
ISC VI 19 20 39 22.6–.36 14.50S–.05 167.43E–.06 170 4.5b 232 6-166
IDC VI 19 20 39 21.6–1.7 14.57S 167.45E 165–14 4.6,4.1b ¶615092719
NEIC VI 19 20 39 23.6–1.2 14.41S–.10 167.4E–.10 174–7 4.5b,4.1b
NOU VI 19 20 39 26.7 14.22S 167.47E 226 4.9b,4.1b
ISC Event type se.
IDC Error ellipse: s-maj=15.2km s-min=11.2km az=123.0.
NEIC Event type se. Error ellipse: s-maj=18.2km s-min=13.8km az=100.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Vanuatu Islands.
IDC VI 19 21 03 54.3–12 17.95S 168.69E 0 3.6,3.6b
¶610792211
IDC Error ellipse: s-maj=215.8km s-min=47.1km az=87.0.
NOU VI 20 17 29 24.8 15.48S 167.63E 87 4.3
¶612490078
NOU Vanuatu Islands.
NOU VI 20 19 01 29.3 15.26S 167.61E 10 4.5
¶612490079
NOU Vanuatu Islands.
ISC VI 20 23 08 41.2–1.4 19.22S–.07 168.7E–.20 35 3.9b 15 2-147
IDC VI 20 23 08 35.6–2.0 18.71S 168.40E 0 3.8,3.7b ¶610789182
NOU VI 20 23 08 37.3 19.26S 168.79E 0 4.4,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=44.3km s-min=38.3km az=69.0.
NOU Vanuatu Islands.
ISC VI 21 03 07 55.5–1.3 14.79S–.10 167.4E–.20 250 3.5b 9 7-126
IDC VI 21 03 07 55.7–3.1 14.71S 167.31E 244–27 3.8,3.3b ¶610789188
ISC Event type ke.
IDC Error ellipse: s-maj=32.2km s-min=24.3km az=122.0.
NOU VI 21 18 19 27.1 14.75S 167.30E 119 4.6
¶612490094
NOU Vanuatu Islands.
NOU VI 22 10 15 25.2 14.85S 167.56E 136 4.7
¶612490098
NOU Vanuatu Islands.
IDC VI 23 06 47 55.9–10 13.39S 166.90E 193–81 4.1,3.6b
¶610789317
IDC Error ellipse: s-maj=96.9km s-min=45.2km az=12.0.
NOU VI 23 08 44 01.6 15.93S 167.30E 17 4.4
¶612490108
NOU Vanuatu Islands.
IDC VI 23 10 46 08.2–9.6 15.28S 166.82E 108–102 3.6,3.6L
¶610789336
IDC Error ellipse: s-maj=81.6km s-min=37.0km az=156.0.
ISC VI 24 05 27 07.8–.61 20.43S–.06 169.69E–.08 122–5 4.5b 91 2-148
IDC VI 24 05 27 06.0–3.4 20.32S 169.66E 108–28 4.3,3.9b ¶610694373
NEIC VI 24 05 27 07.0–1.8 20.4S–.10 169.8E–.10 113–8 4.5b,3.9b
NOU VI 24 05 27 08.1 20.38S 169.59E 117 4.8,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=25.5km s-min=21.1km az=28.0.
NEIC Event type se. Error ellipse: s-maj=16.2km s-min=15.7km az=139.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Vanuatu Islands.
ISC VI 24 11 09 48.7–.98 15.40S–.08 167.9E–.10 200 4.2b 36 2-87
NEIC VI 24 11 09 49.9–1.2 15.4S–.20 168.0E–.20 220–15 4.2b ¶610789384
IDC VI 24 11 09 52.6–1.8 15.51S 167.64E 227–19 4.0,3.5b
NOU VI 24 11 09 56.9 15.82S 167.90E 137 4.3,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=29.1km s-min=26.2km az=149.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=21.9km s-min=17.5km az=127.0.
NOU Vanuatu Islands.
IDC VI 24 13 48 09.1–14 18.06S 167.45E 0 3.8,3.8b
¶610789388

IDC Error ellipse: s-maj=238.6km s-min=40.2km az=73.0.
NOU VI 24 17 20 03.7 14.60S 166.98E 78 4.5
¶612490124
NOU Vanuatu Islands.
IDC VI 24 22 22 27.8–14 13.76S 166.15E 0 4.0b,3.9
¶610789409
IDC Error ellipse: s-maj=248.5km s-min=39.1km az=59.0.
ISC VI 25 11 09 49.9–.74 13.55S–.08 167.0E–.10 250 4.0b 28 7-153
IDC VI 25 11 09 42.6–3.0 13.14S 167.00E 181–27 4.0,3.5b **¶610789441**
NEIC VI 25 11 09 50.9–2.7 13.7S–.10 167.1E–.20 262–15 4.1b,3.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU VI 25 16 37 24.9 15.69S 167.57E 42 4.0
¶612490138
NOU Vanuatu Islands.
ISC VI 25 20 38 55.9–1.1 17.36S–.10 167.8E–.10 27 3.8b 15 1-99
IDC VI 25 20 38 51.8–2.0 17.26S 167.82E 0 3.9,3.9b **¶610789465**
NOU VI 25 20 38 54.1 17.30S 167.81E 5 4.5,3.9b
ISC Event type ke.
IDC Error ellipse: s-maj=57.1km s-min=28.8km az=121.0.
NOU Vanuatu Islands.
ISC VI 26 05 49 06.7–1.2 17.0S–.10 167.8E–.10 21 4.4b,3.2s 38 1-88
NEIC VI 26 05 49 03.6–.98 16.8S–.10 167.9E–.10 10–2 4.4b,3.2s **¶610789483**
IDC VI 26 05 49 05.3–1.9 17.03S 167.55E 0 4.6L,4.3
NOU VI 26 05 49 06.7 16.89S 167.77E 19 4.6,4.3
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.8km s-min=20.0km az=69.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=41.9km s-min=30.6km az=131.0.
NOU Vanuatu Islands.
ISC VI 26 06 37 40.4–1.4 13.6S–.10 167.7E–.20 35 4.3b 19 7-151
NEIC VI 26 06 37 37.0–2.6 13.5S–.10 167.8E–.10 10–2 4.4b **¶610789489**
IDC VI 26 06 37 38.8–1.8 13.64S 167.33E 0 3.8,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=22.0km s-min=21.5km az=349.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=49.3km s-min=30.9km az=111.0.
IDC VI 26 08 14 40.6–3.3 15.91S 165.91E 0 3.6,3.6b
NOU VI 26 08 14 46.2 16.08S 168.26E 0 4.0,3.6b **¶610789495**
IDC Error ellipse: s-maj=65.0km s-min=36.0km az=62.0.
NOU Vanuatu Islands.
NOU VI 28 00 30 58.8 15.07S 167.33E 103 4.6
¶612490152
NOU Vanuatu Islands.
ISC VI 29 02 24 28.9–.28 14.90S–.04 167.33E–.04 134–2 4.9b 523 3-166
BJI VI 29 02 24 27.7–.00 14.69S 167.36E 126 4.9b,4.7b **¶615092743**
IDC VI 29 02 24 28.6–.36 14.89S 167.32E 130–2 5.0,4.5b
GCMT VI 29 02 24 29.4–.20 14.95S–.03 167.28E–.02 142–3 5.0W,4.5b
NEIC VI 29 02 24 30.4–1.8 14.97S–.08 167.30E–.09 146–7 4.8b,4.5b
NOU VI 29 02 24 31.1 14.93S 167.16E 124 5.0b,4.5b
ISC Event type se.
IDC Error ellipse: s-maj=10.2km s-min=8.0km az=73.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s38,c44; s101,c122;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.39±.11 $M_{\theta\theta}$-0.20±.16; $M_{\phi\phi}$-2.19±.17; $M_{r\theta}$-0.04±.10; $M_{\theta\phi}$1.09±.20; $M_{\phi r}$-2.28±.10; Best double couple: NP1:ϕ_s173.00000°,δ67.00000°,λ105.00000°. NP2:ϕ_s319.00000°,δ27.00000°,λ60.00000°. Principal axes: T 3.3900,Plg65.0000° ,Azm108.0000°; N 0.0500,Plg13.0000°,Azm347.0000°; P -3.4390,Plg20.0000° ,Azm252.0000° $M_0$3.41500×10^{16}
NEIC Event type se. Error ellipse: s-maj=12.9km s-min=11.6km az=102.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Vanuatu Islands.
ISC VI 29 20 39 51.6–.92 15.70S–.09 167.8E–.10 150 4.4b 39 2-152
NEIC VI 29 20 39 49.2–1.9 15.6S–.10 167.9E–.20 124–7 4.6b **¶610789738**
IDC VI 29 20 39 49.5–8.7 15.52S 167.67E 126–77 4.0,3.4b
NOU VI 29 20 39 50.6 15.54S 168.17E 108 4.5,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.9km s-min=17.4km az=92.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=69.9km s-min=33.9km az=3.0.
NOU Vanuatu Islands.
NOU VI 30 09 21 44.7 16.86S 167.49E 0 4.2
¶612490174
NOU Vanuatu Islands.

(187) New Caledonia.

ISC I 01 08 56 23.5–3.5 22.2S–.20 167.9E–.30 35 3.7b 8 1-146
IDC I 01 08 56 10.3–4.4 21.22S 168.70E 0 3.8,3.8b **¶610236373**
NOU I 01 08 56 13.8 22.47S 168.44E 0 3.9,3.8b
ISC Event type ke.
IDC Error ellipse: s-maj=144.2km s-min=54.7km az=140.0.
NOU New Caledonia.
ISC IV 21 12 11 46.8–1.4 22.4S–.10 168.30E–.09 10 3.8b 15 1-147
IDC IV 21 12 11 45.8–1.6 22.56S 168.29E 0 3.9,3.9b **¶610653196**
NOU IV 21 12 11 52.5 22.23S 168.01E 0 3.3,3.9b
ISC Event type ke.
IDC Error ellipse: s-maj=54.4km s-min=26.6km az=176.0.
NOU New Caledonia.
ISC IV 30 05 15 01.7–.53 22.04S–.08 168.89E–.07 31 4.2b,3.6s 71 1-150
IDC IV 30 05 14 56.2–1.1 22.18S 169.08E 0 4.5L,4.2 **¶610650384**
NOU IV 30 05 14 56.8 22.23S 169.32E 90 4.8L,4.2
NEIC IV 30 05 14 59.7–1.1 22.03S–.07 168.86E–.05 10–1 4.3b,4.2
ISC Event type se.
NOU Southeast of Loyalty Islands.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 14 15 52 23.5–.64 20.41S–.09 163.60E–.05 10 4.0b,3.6s 42 1-99
NOU V 14 15 52 21.7 20.27S 163.65E 0 4.6,3.6s **¶610690286**
IDC V 14 15 52 22.3–1.2 20.52S 163.48E 0 4.3L,4.0
NEIC V 14 15 52 23.9–1.4 20.5S–.10 163.58E–.04 14–5 4.2b,4.0
ISC Event type se.
NOU New Caledonia.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 15 08 15 51.8–1.2 22.7S–.10 168.6E–.10 35 4.1b 19 1-147
IDC V 15 08 15 47.8–1.6 22.82S 168.51E 0 4.1,4.1b **¶610690326**
NOU V 15 08 15 56.6 22.27S 168.03E 0 3.6,4.1b
ISC Event type ke.
IDC Error ellipse: s-maj=41.0km s-min=25.0km az=34.0.
NOU New Caledonia.
ISC VI 17 10 36 37.1–.56 22.66S–.06 168.61E–.06 10 4.1b,3.2s 64 1-147
IDC VI 17 10 36 35.7–.83 22.65S 168.60E 0 3.9,3.9b **¶610792054**
NEIC VI 17 10 36 37.1–1.4 22.65S–.06 168.61E–.06 10–3 4.3b,3.9b
NOU VI 17 10 36 37.6 22.70S 168.64E 9 4.5,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=22.6km s-min=20.3km az=0.0.
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=7.3km az=148.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU New Caledonia.

(188) Loyalty Islands.

IDC II 18 00 45 14.8–5.4 21.45S 168.84E 0 3.8,3.8b
¶610415734
IDC Error ellipse: s-maj=120.9km s-min=40.7km az=28.0.
ISC III 07 07 15 40.4–2.4 21.9S–.40 168.5E–.20 35 10 2-146
IDC III 07 07 15 39.0–4.9 21.09S 168.01E 0 3.5,3.5b **¶610545711**
NOU III 07 07 15 40.9 21.99S 168.29E 0 3.7,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=153.2km s-min=33.1km az=136.0.
NOU Loyalty Islands.
ISC V 15 13 01 25.6–.36 20.03S–.06 168.31E–.07 25 4.9b 373 1-165
IDC V 15 13 01 21.7–.58 19.95S 168.36E 0 4.5,4.5b **¶610639762**
MOS V 15 13 01 22.5–.82 19.97S 168.30E 14 5.0b,4.5b
NOU V 15 13 01 23.5 19.97S 168.32E 14 5.1,4.5b
NEIC V 15 13 01 23.5–1.6 20.01S–.04 168.37E–.10 10–1 5.0b,4.5b
ISC Event type se.
NOU Vanuatu Islands.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 16 22 02 29.0–.53 20.66S–.05 168.77E–.05 23–3 4.9b,4.1s 267 1-166
IDC V 16 22 02 24.5–.96 20.64S 168.90E 0 4.5,4.5b **¶610641713**
MOS V 16 22 02 25.1–1.0 20.58S 168.74E 10 5.0b,4.5b
NOU V 16 22 02 26.4 20.54S 168.87E 6 4.9b,4.5b
NEIC V 16 22 02 27.8–1.7 20.67S–.05 168.69E–.04 10–1 5.0b,4.5b
BGR V 16 22 02 31.6 20.32S 168.54E 10 5.0b,4.5b
GCMT V 16 22 02 32.8–.30 20.46S–.04 168.67E–.03 29–1 4.9W,4.5b
ISC Event type ke.
NOU Loyalty Islands.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BGR Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s19,c21; s74,c94;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.97±.21 $M_{\theta\theta}$-0.00±.15; $M_{\phi\phi}$-1.97±.13; $M_{r\theta}$0.47±.23; $M_{\theta\phi}$1.19±.09; $M_{\phi r}$-2.02±.18; Best double couple: NP1:ϕ_s164.00000°,δ67.00000°,λ99.00000°. NP2:ϕ_s322.00000°,δ25.00000°,λ69.00000°. Principal axes: T 2.8220,Plg67.0000° ,Azm92.0000°; N 0.4900,Plg9.0000°,Azm341.0000°; P -3.3160,Plg21.0000°,Azm247.0000° $M_0$3.06900×10^{16}
ISC V 21 09 26 16.7–.40 20.27S–.06 168.47E–.06 10 4.8b,3.8s 206 1-148
IDC V 21 09 26 12.9–.90 20.04S 168.83E 0 4.3,4.3b **¶610646028**
BGR V 21 09 26 12.2 19.85S 170.77E 33 4.3,4.3b
NOU V 21 09 26 14.8 20.03S 168.66E 12 4.4,4.3b
NEIC V 21 09 26 18.0–1.8 20.23S–.07 168.43E–.04 10–1 4.8b,4.3b
ISC Event type ke.
BGR Event type ke.
NOU Loyalty Islands.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 21 11 39 56.5–.81 20.21S–.08 168.53E–.10 25 4.2b 32 1-145
NOU V 21 11 39 52.7 20.00S 168.64E 10 3.8 **¶610685082**
IDC V 21 11 39 54.0–1.6 20.06S 168.35E 0 3.9,3.9b
NEIC V 21 11 39 56.2–2.0 20.29S–.08 168.6E–.10 24–9 4.4b,3.9b
ISC Event type se.
NOU Loyalty Islands.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU VI 14 05 13 27.6 21.13S 167.74E 0 2.5
¶612490020
NOU Loyalty Islands.

(189) Southeast of Loyalty Islands.

ISC I 01 22 49 29.1–.47 22.45S–.08 171.47E–.06 98 4.5b 85 3-167
NEIC I 01 22 49 29.9–.83 22.4S–.10 171.48E–.09 101–10 4.6b **¶609949336**
IDC I 01 22 49 30.8–2.7 22.21S 171.37E 116–20 4.2,3.8b
NOU I 01 22 49 34.6 22.27S 170.88E 0 4.7,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.1km s-min=11.4km az=186.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=39.2km s-min=15.6km az=159.0.
NOU Southeast of Loyalty Islands.
NOU I 02 05 47 00.3 21.33S 169.91E 0 5.3b
¶612488238
NOU Southeast of Loyalty Islands.
ISC I 03 00 34 53.3–1.0 21.6S–.10 170.92E–.09 150 4.1b 26 3-147
NOU I 03 00 34 49.1 21.93S 171.15E 0 5.2b **¶610236522**
NEIC I 03 00 34 53.5–1.4 21.5S–.10 170.9E–.10 150–15 4.3b
IDC I 03 00 34 56.0–7.1 21.89S 170.75E 173–42 3.8,3.3b
ISC Event type se.
NOU Southeast of Loyalty Islands.
NEIC Event type se. Error ellipse: s-maj=17.2km s-min=15.1km az=189.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=107.1km s-min=45.1km az=148.0.
ISC I 03 15 02 09.0–.70 21.46S–.09 172.44E–.08 10 4.3b 37 4-91
NEIC I 03 15 02 10.0–1.4 21.48S–.10 172.46E–.08 14–5 4.8b **¶610570385**
NOU I 03 15 02 36.6 21.72S 170.56E 83 4.8
IDC I 03 15 02 39.3–6.5 21.57S 170.21E 131–38 4.0,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.4km s-min=3.2km az=142.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Southeast of Loyalty Islands.
IDC Error ellipse: s-maj=68.3km s-min=33.1km az=127.0.
ISC I 07 20 05 04.5–.90 23.2S–.10 172.54E–.09 34 4.0b 29 5-93
IDC I 07 20 05 00.2–2.6 23.18S 172.45E 0 4.7L,4.1 **¶610236918**
NEIC I 07 20 05 01.2–1.0 23.1S–.20 172.62E–.10 10–2 4.2b,4.1
NOU I 07 20 05 21.8 22.85S 171.19E 67 4.6L,4.1
ISC Event type se.
IDC Error ellipse: s-maj=78.9km s-min=23.7km az=155.0.
NEIC Event type se. Error ellipse: s-maj=28.8km s-min=14.5km az=169.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Southeast of Loyalty Islands.
ISC I 08 20 58 18.3–1.2 22.9S–.30 170.79E–.09 35 4.2b,3.5s 41 4-163
IDC I 08 20 58 23.3–3.6 22.27S 170.62E 60–22 5.0L,4.4 **¶610236980**
ISC Event type ke.
IDC Error ellipse: s-maj=72.9km s-min=18.0km az=169.0.
ISC I 09 09 30 32.9–1.5 22.5S–.10 170.6E–.10 50 3.9b,3.5s 16 3-151
IDC I 09 09 30 25.9–4.1 21.69S 170.74E 0 3.9,3.9b **¶610101613**
NOU I 09 09 30 36.4 22.12S 170.18E 0 4.6,3.9b
ISC Event type ke.
IDC Error ellipse: s-maj=157.6km s-min=40.8km az=150.0.
NOU Southeast of Loyalty Islands.
ISC I 12 20 23 21.5–.49 22.36S–.07 172.63E–.06 35 4.3b,4.0s 86 4-167
IDC I 12 20 23 15.7–.92 22.48S 172.62E 0 4.3L,4.2 **¶610101630**
NOU I 12 20 23 18.8 22.40S 172.63E 0 4.8b,4.2
GCMT I 12 20 23 20.4–.20 22.27S–.01 172.73E–.01 17–1 4.8W,4.2
NEIC I 12 20 23 21.4–1.9 22.21S–.09 172.61E–.08 35–2 4.6b,4.2
ISC Event type se.
NOU Southeast of Loyalty Islands.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s18,c27; s83,c114;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.73±.10 $M_{\theta\theta}$0.35±.10; $M_{\phi\phi}$0.38±.09; $M_{r\theta}$-0.34±.23; $M_{\theta\phi}$2.35±.07; $M_{\phi r}$0.02±.21; Best double couple: NP1:ϕ_s89.00000°,δ85.00000°,λ-11.00000°. NP2:ϕ_s180.00000°,δ79.00000°,λ-175.00000°. Principal axes: T 2.7320,Plg4.0000° ,Azm135.0000°; N -0.6970,Plg78.0000°,Azm243.0000°; P -2.0350,Plg11.0000° ,Azm44.0000° $M_0$2.38400×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU I 13 12 18 08.7 22.22S 172.17E 57 4.1
¶612488379
NOU Southeast of Loyalty Islands.
NOU I 18 09 38 33.2 21.94S 170.08E 0 4.8
¶612488436
NOU Southeast of Loyalty Islands.

NOU I 18 12 28 09.6 21.71S 169.68E 0 4.1L ¶612488438
NOU Southeast of Loyalty Islands.
NOU I 19 16 03 48.0 21.73S 170.08E 0 4.3b ¶612488447
NOU Southeast of Loyalty Islands.
NOU I 28 01 55 08.8 21.30S 169.92E 26 4.0b ¶612488541
NOU Southeast of Loyalty Islands.
ISC II 05 06 34 47.7–.79 21.09S–.08 170.14E–.09 90 3.9b 36 2-147
NEIC II 05 06 34 47.8–1.2 21.0S–.10 170.15E–.09 94–6 4.0b **¶610414861**
NOU II 05 06 34 49.1 21.08S 170.14E 103 4.8
IDC II 05 06 34 52.4–2.0 20.61S 169.65E 120–23 4.0,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.6km s-min=11.0km az=162.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Southeast of Loyalty Islands.
IDC Error ellipse: s-maj=102.8km s-min=16.2km az=157.0.
NOU II 13 03 59 21.2 22.10S 170.19E 0 4.6b ¶612488728
NOU Southeast of Loyalty Islands.
ISC II 24 16 17 20.1–.45 22.58S–.07 172.96E–.06 50 4.3b,3.8s 74 5-167
NOU II 24 16 17 10.1 23.28S 173.50E 0 5.1b,3.8s **¶610240607**
IDC II 24 16 17 13.6–.74 22.52S 172.91E 0 4.5L,4.3
NEIC II 24 16 17 20.8–1.1 22.54S–.08 173.04E–.06 59–9 4.6b,4.3
ISC Event type se.
NOU Southeast of Loyalty Islands.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 26 01 57 23.1–1.9 21.7S–.10 169.9E–.10 10 3.8b,3.5s 16 2-147
IDC II 26 01 57 22.8–3.7 21.65S 169.82E 0 3.7b,3.6 **¶610385031**
NOU II 26 01 57 28.4 22.05S 169.48E 0 3.8,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=142.2km s-min=34.2km az=156.0.
NOU Southeast of Loyalty Islands.
ISC II 26 01 59 19.4–1.1 21.8S–.10 170.1E–.10 10 4.2b 22 2-147
IDC II 26 01 59 16.6–3.3 21.70S 170.34E 0 4.0,4.0b **¶610385032**
NEIC II 26 01 59 19.8–1.5 21.8S–.10 170.0E–.10 10–2 4.5b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU III 01 15 05 27.1 23.01S 170.23E 0 4.0 ¶612488966
NOU Southeast of Loyalty Islands.
ISC III 06 09 12 32.4–.81 22.2S–.10 170.63E–.08 51 4.2b 37 3-148
IDC III 06 09 12 23.2–3.0 22.06S 171.01E 0 4.3L,3.9 **¶616204879**
NEIC III 06 09 12 33.3–1.1 22.3S–.20 170.62E–.08 49–14 4.4b,3.9
NOU III 06 09 12 56.3 22.05S 168.53E 0 3.6,3.9
ISC Event type ke.
IDC Error ellipse: s-maj=144.9km s-min=35.1km az=162.0.
NEIC Event type se. Error ellipse: s-maj=33.1km s-min=2.0km az=197.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU New Caledonia.
ISC III 07 10 55 37.2–.51 22.98S–.04 171.38E–.04 17–2 5.4b,5.2s 1031 4-171
IDC III 07 10 55 34.2–.41 22.83S 171.51E 0 5.0,5.0b **¶611831990**
MOS III 07 10 55 35.2–1.3 22.84S 171.31E 10 5.5b,5.0s
BJI III 07 10 55 37.0–.00 22.90S 171.40E 30 5.4b,5.3b
NEIC III 07 10 55 37.3–1.6 22.93S–.08 171.38E–.07 14–3 5.4b,5.2
GCMT III 07 10 55 41.3–.10 22.91S–.01 171.40E–.01 15–1 5.3W,5.2
NOU III 07 10 55 43.1 22.92S 171.24E 40 5.4L,5.2
ISC Event type se.
IDC Error ellipse: s-maj=14.3km s-min=13.5km az=34.0.
MOS Error ellipse: s-maj=7.9km s-min=7.4km az=122.7.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=9.5km az=169.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s80,c129; s136,c229;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; Mrr0.03±.01 Mθθ-0.17±.01; Mφφ0.14±.01; Mrθ0.95±.10; Mθφ0.51±.01; Mφr0.13±.03; Best double couple: NP1:φs83.00000°,δ89.00000°,λ61.00000°. NP2:φs351.00000°,δ29.00000°,λ178.00000°. Principal axes: T 1.0920,Plg39.0000° ,Azm326.0000°; N 0.0100,Plg29.0000°,Azm83.0000°; P -1.1010,Plg37.0000°,Azm198.0000° M0 1.09700×10^{17}
NOU Southeast of Loyalty Islands.
ISC III 08 14 46 33.3–.48 23.14S–.07 171.34E–.07 35 4.4b,3.5s 91 4-166
NEIC III 08 14 46 30–1.4 23.1S–.10 171.48E–.08 10–1 4.6b,3.5s **¶610545816**
IDC III 08 14 46 35.0–2.4 22.96S 171.22E 43–21 4.3L,4.2
NOU III 08 14 46 41.6 22.97S 170.35E 217 4.4,4.2
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.3km s-min=12.8km az=175.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=20.2km s-min=16.5km az=12.0.
NOU Southeast of Loyalty Islands.
ISC III 13 01 52 33.4–1.5 23.1S–.40 169.9E–.10 25 4.0b 8 3-147
IDC III 13 01 52 30.4–2.1 22.78S 169.83E 0 3.9b,3.8 **¶610546107**
ISC Event type ke.
IDC Error ellipse: s-maj=75.9km s-min=29.1km az=172.0.
ISC III 14 07 18 15.7–.93 23.1S–.10 170.1E–.10 25 4.0b 30 3-165
IDC III 14 07 18 12.4–1.4 23.07S 170.01E 0 4.0b,3.9 **¶610546187**
NOU III 14 07 18 15.1 23.04S 170.07E 120 4.4,3.9
ISC Event type ke.
IDC Error ellipse: s-maj=49.5km s-min=26.4km az=161.0.
NOU Southeast of Loyalty Islands.
ISC III 14 12 36 43.5–.25 21.04S–.03 170.03E–.03 140–1 5.8b 2165 3-171
BGR III 14 12 36 40.5 21.99S 171.33E 139 5.8b **¶615317069**
BJI III 14 12 36 42.1–.00 20.79S 169.86E 133 5.9b,5.7b
MOS III 14 12 36 42.3–.93 20.97S 170.02E 135 5.8b,4.5s
NEIC III 14 12 36 43.3 21.00S 170.02E 140 5.8b,4.5s
NEIC III 14 12 36 43.3–1.9 21.01S–.07 170.07E–.07 127–1 5.8b,5.7
IDC III 14 12 36 43.1–.84 21.03S 170.05E 134–6 5.8,5.5b
NEIC III 14 12 36 43.3 21.00S 170.02E 123 5.8,5.5b
NEIC III 14 12 36 43.3 21.00S 170.02E 140 5.8,5.5b
NOU III 14 12 36 44.8 20.96S 169.95E 140 5.8L,5.5b
GCMT III 14 12 36 46.3–.10 21.04S–.01 169.89E–.01 146–0 5.6W,5.5b
ISC Event type ke. Moment Tensor Solution. NP1:φs137.90501°,δ37.80443°,λ83.31293°. NP2: φs326.34555°,δ52.49735°,λ95.16207°. Principal axes: T Plg81.5622°,Azm262.0401° ; N Plg4.0931°,Azm143.1975°; P Plg7.3659°,Azm52.6675°
BGR Event type ke.
NEIC Event type se. Moment Tensor Solution.Duration: 3s3 Moment tensor: Scale 10^{17}Nm; Mrr2.42 Mθθ-0.05 Mφφ-2.38 Mrθ1.77 Mθφ1.43 Mφr-0.04 NP1:φs127.64000°,δ60.00000° ,λ56.65000°. NP2:φs0.41000°,δ43.66000°,λ133.59000°. Principal axes: T 3.4167,Plg60.0000°,Azm347.0000°; N -0.2362,Plg28.0000°,Azm146.0000° ; P -3.1805,Plg9.0000°,Azm241.0000° M0 3.30000×10^{17}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; Mrr2.68 Mθθ0.19 Mφφ-2.87 Mrθ1.70 Mθφ1.84 Mφr0.80 NP1:φs126.13000°,δ53.75000°,λ47.10000°. NP2:φs3.66000°,δ53.79000° ,λ132.87000°. Principal axes: T 3.9103,Plg57.0000°,Azm335.0000°; N -0.1805,Plg33.0000° ,Azm155.0000°; P -3.7298,Plg0.0000°,Azm65.0000° M0 3.82000×10^{17}
NEIC Event type se.
NEIC Event type se.
NOU Vanuatu Islands.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s146,c246; s157,c322;Duration: 1s6 Moment tensor: Scale 10^{17}Nm; Mrr1.89±.03 Mθθ0.67±.04; Mφφ-2.56±.04; Mrθ1.74±.03; Mθφ1.71±.04; Mφr0.54±.03; Best double couple: NP1:φs123.00000°,δ60.00000°,λ41.00000°. NP2:φs10.00000°,δ56.00000°,λ143.00000°. Principal axes: T 3.4790,Plg49.0000° ,Azm339.0000°; N -0.1730,Plg41.0000°,Azm154.0000°; P -3.3060,Plg2.0000° ,Azm246.0000° M0 3.39200×10^{17}

ISC III 19 11 52 29.0–1.5 21.6S–.30 169.8E–.20 10 3.6b 19 2-150
IDC III 19 11 52 29.8–5.2 21.23S 169.51E 0 4.0s,3.7L **¶610546510**
NOU III 19 11 52 52.3 22.00S 168.02E 0 3.0,3.7L
ISC Event type ke.
IDC Error ellipse: s-maj=204.3km s-min=32.0km az=150.0.
NOU New Caledonia.
ISC III 19 13 31 50.1–.52 21.64S–.10 169.75E–.07 10 4.1b,3.7s 64 2-150
IDC III 19 13 31 48.5–1.0 21.52S 169.83E 0 4.1,4.0b **¶610440762**
NEIC III 19 13 31 50.4–1.6 21.9S–.10 169.8E–.20 9–8 4.4b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC III 19 13 38 01.8–4.8 21.63S 169.70E 0 3.6,3.6b ¶610546513
IDC Error ellipse: s-maj=199.5km s-min=53.4km az=157.0.
ISC III 20 00 10 27.7–1.4 21.9S–.20 169.8E–.10 25 3.7b,3.5s 17 2-147
NOU III 20 00 10 14.2 22.18S 170.67E 0 4.5,3.5s **¶610543290**
IDC III 20 00 10 24.0–2.3 21.66S 169.83E 0 3.8,3.8b
ISC Event type ke.
NOU Southeast of Loyalty Islands.
IDC Error ellipse: s-maj=100.7km s-min=30.3km az=151.0.
ISC III 20 00 33 45.2–.71 21.69S–.09 169.71E–.09 21 3.9b,3.6s 40 2-150
NOU III 20 00 33 42.5 21.76S 169.79E 0 4.5,3.6s **¶610440763**
IDC III 20 00 33 48.8–2.4 21.69S 169.59E 42–21 4.1,3.9b
ISC Event type ke.
NOU Southeast of Loyalty Islands.
IDC Error ellipse: s-maj=27.6km s-min=15.8km az=175.0.
ISC III 26 01 15 49.6–1.7 22.3S–.60 171.0E–.10 35 3.6b 18 4-151
IDC III 26 01 15 54.7–8.8 22.33S 170.69E 54–62 3.6,3.5L **¶610543689**
ISC Event type ke.
IDC Error ellipse: s-maj=85.5km s-min=50.3km az=160.0.
ISC III 30 00 08 12.7–1.2 21.8S–.10 170.6E–.10 134 3.9b 26 3-151
NEIC III 30 00 08 10.3–1.0 21.7S–.20 170.9E–.10 118–11 4.2b **¶610543962**
IDC III 30 00 08 16.6–6.8 21.43S 170.25E 151–38 3.8,3.4b
NOU III 30 00 08 16.6 21.62S 170.22E 0 4.2,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=22.9km s-min=15.2km az=179.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=169.2km s-min=44.5km az=156.0.
NOU Southeast of Loyalty Islands.
IDC IV 06 17 53 27.1–2.9 22.73S 174.26E 0 5.5L,3.6 ¶610652092
IDC Error ellipse: s-maj=85.2km s-min=22.6km az=150.0.
ISC IV 08 07 56 21.8–.77 22.0S–.10 173.99E–.10 35 4.1b 17 6-149
IDC IV 08 07 56 16.6–.90 21.83S 173.79E 0 5.4L,4.1 **¶610652212**
ISC Event type ke.
IDC Error ellipse: s-maj=36.0km s-min=17.6km az=145.0.
ISC IV 10 04 37 25.8–.56 22.96S–.09 171.29E–.09 10 4.2b,3.5s 37 5-166
IDC IV 10 04 37 23.9–1.1 23.13S 171.40E 0 5.2L,4.1 **¶610652336**
NEIC IV 10 04 37 26.6–1.5 23.0S–.10 171.32E–.10 10–1 4.6b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 10 05 24 42.7–.58 23.1S–.10 171.0E–.10 10 4.3b,3.6s 33 4-166
IDC IV 10 05 24 38.1–.80 23.38S 171.54E 0 4.1,4.1b **¶610652338**
NEIC IV 10 05 24 39.5–1.8 22.8S–.20 170.30E–.09 10–2 4.7b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IV 13 02 57 59.6–2.8 23.40S 170.64E 0 3.6,3.6b ¶610652601
IDC Error ellipse: s-maj=80.2km s-min=47.2km az=178.0.
ISC IV 16 16 08 01.8–.68 23.3S–.10 171.06E–.08 10 4.0b 39 3-152
IDC IV 16 16 08 00.6–1.1 23.23S 171.08E 0 4.2L,3.9 **¶610652875**
NEIC IV 16 16 08 01.9–.42 23.2S–.10 171.09E–.05 10–2 4.5b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU IV 22 17 30 56.6 22.77S 170.69E 20 4.1 ¶612489535
NOU Southeast of Loyalty Islands.
ISC V 07 09 52 55.0–.65 22.26S–.08 171.43E–.08 98 4.5b 79 4-167
NEIC V 07 09 52 52.2–1.4 22.1S–.20 171.6E–.10 78–10 4.5b **¶610617827**
IDC V 07 09 52 55.0–3.6 22.34S 171.34E 93–28 4.4,3.9b
NOU V 07 09 52 56.8 22.43S 171.26E 66 4.6b,3.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=25.7km s-min=16.4km az=196.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=30.3km s-min=20.4km az=35.0.
NOU Southeast of Loyalty Islands.
ISC V 09 13 30 15.0–.51 23.12S–.08 169.49E–.07 23 4.1b,3.3s 74 3-151
IDC V 09 13 30 10.7–.87 23.04S 169.51E 0 4.3L,4.0 **¶610689896**
NEIC V 09 13 30 13.2–2.1 23.0S–.10 169.5E–.10 10–1 4.5b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU V 15 21 17 55.7 21.37S 169.76E 0 4.3 ¶612489721
NOU Southeast of Loyalty Islands.
IDC V 16 03 04 05.8–7.0 22.99S 173.45E 0 3.9L,3.8 ¶610690378
IDC Error ellipse: s-maj=164.8km s-min=64.0km az=26.0.
ISC V 16 11 22 19.5–.38 21.62S–.07 169.69E–.06 21 4.7b,3.9s 188 2-166
IDC V 16 11 22 15.6–.58 21.68S 170.01E 0 4.3,4.3b **¶610642220**
NEIC V 16 11 22 18.4–2.1 21.50S–.07 169.58E–.07 10–1 4.8b,4.3b
NOU V 16 11 22 18.0 21.72S 169.82E 6 4.8,4.3b
BGR V 16 11 22 22.2 21.09S 170.82E 33 4.8,4.3b
GCMT V 16 11 22 23.4–.40 21.68S–.04 169.68E–.03 32–0 4.9W,4.3b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Southeast of Loyalty Islands.
BGR Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s32,c39; s54,c66;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr3.57±.19 Mθθ-2.20±.18; Mφφ-1.37±.13; Mrθ0.33±.17; Mθφ0.68±.07; Mφr-0.62±.12; Best double couple: NP1:φs125.00000°,δ51.00000°,λ96.00000°. NP2:φs295.00000°,δ40.00000°,λ83.00000°. Principal axes: T 3.6570,Plg83.0000° ,Azm70.0000°; N -1.0220,Plg5.0000°,Azm301.0000°; P -2.6350,Plg5.0000°,Azm211.0000° M0 3.14600×10^{16}
NOU V 16 11 53 18.6 21.90S 170.40E 0 3.8 ¶612489725
NOU Southeast of Loyalty Islands.
ISC V 21 03 19 00.7–.65 22.5S–.10 171.48E–.08 50 4.3b,3.4s 63 3-167
NEIC V 21 03 19 03.9–.78 22.5S–.10 171.3E–.10 68–11 4.3b,3.4s **¶610685060**
IDC V 21 03 19 04.2–3.1 22.41S 171.30E 70–23 4.3,3.9b
NOU V 21 03 19 07.5 22.60S 170.96E 73 4.5,3.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.8km s-min=13.3km az=165.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=42.1km s-min=16.7km az=161.0.
NOU Southeast of Loyalty Islands.
ISC V 21 04 12 15.9–.46 21.31S–.10 169.87E–.07 100 4.3b 79 2-149
IDC V 21 04 12 13.2–2.1 21.21S 169.97E 73–15 4.1,3.8b **¶610685063**
NOU V 21 04 12 14.3 21.27S 169.95E 72 4.9,3.8b
NEIC V 21 04 12 15.2–1.5 21.4S–.10 169.89E–.08 84–7 4.3b,3.8b
ISC Event type se.
NOU Southeast of Loyalty Islands.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 23 12 23 45.6–.72 22.70S–.10 173.67E–.08 44 4.3b,3.2s 42 5-92
NEIC V 23 12 23 41.9–1.9 22.7S–.10 173.70E–.06 10–1 4.4b,3.2s ¶610685216
IDC V 23 12 23 50.7–4.1 22.14S 173.37E 76–31 4.0,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=23.7km s-min=7.1km az=341.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=76.1km s-min=13.9km az=155.0.
NOU V 29 04 23 55.3 21.42S 170.10E 0 4.1
¶612489874
NOU Southeast of Loyalty Islands.
NOU VI 05 22 44 07.2 22.74S 172.63E 0 4.0
¶612489953
NOU Southeast of Loyalty Islands.
ISC VI 06 20 44 30.3–1.4 22.5S–.20 172.4E–.10 35 3.9b 25 4-68
IDC VI 06 20 44 23.4–6.2 22.33S 172.77E 0 4.1L,3.8 ¶610791353
NEIC VI 06 20 44 26.0–2.2 22.5S–.20 172.59E–.04 10–2 4.2b,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 07 09 52 18.6–.49 22.56S–.07 171.34E–.06 50 4.8b,3.6s 141 3-91
NOU VI 07 09 52 10.7 22.14S 171.94E 23 4.9b,3.6s ¶610666303
IDC VI 07 09 52 19.7–2.4 22.52S 171.26E 60–21 4.8L,4.4
NEIC VI 07 09 52 20.7–1.6 22.5S–.10 171.24E–.08 64–7 4.7b,4.4
ISC Event type se.
NOU Southeast of Loyalty Islands.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VI 09 13 52 27.7–2.2 22.91S 171.47E 0 4.4L,3.7
¶610791542
IDC Error ellipse: s-maj=91.8km s-min=23.9km az=164.0.
ISC VI 10 23 38 36.0–.85 22.9S–.10 171.8E–.10 10 4.3b,3.5s 30 4-167
NEIC VI 10 23 38 34.8–1.6 22.8S–.10 172.06E–.06 10–2 4.6b,3.5s ¶610791622
IDC VI 10 23 38 34.4–1.1 22.97S 171.85E 0 4.1,4.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=24.4km s-min=8.5km az=348.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=43.3km s-min=27.0km az=4.0.
ISC VI 14 01 10 15.1–2.1 21.9S–.70 169.8E–.20 25 3.7b 16 3-150
IDC VI 14 01 10 10.5–2.7 22.33S 169.93E 0 4.7L,3.8 ¶610791819
ISC Event type ke.
IDC Error ellipse: s-maj=136.1km s-min=23.1km az=164.0.
ISC VI 14 05 30 11.5–.40 23.17S–.07 170.16E–.06 10 4.9b,3.8s 202 3-165
BJI VI 14 05 30 09.0–.00 23.00S 170.20E 10 5.2b,5.1s ¶610673020
IDC VI 14 05 30 10.4–.61 23.08S 170.09E 0 4.6,4.6b
NEIC VI 14 05 30 11.3–2.8 23.04S–.10 170.19E–.03 10–1 4.9b,4.6b
NOU VI 14 05 30 11.4 22.95S 170.05E 0 4.6,4.6b
ISC Event type se.
IDC Error ellipse: s-maj=19.3km s-min=16.0km az=80.0.
NEIC Event type se. Error ellipse: s-maj=16.9km s-min=3.0km az=164.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Southeast of Loyalty Islands.
ISC VI 15 18 29 26.8–.45 22.33S–.09 171.47E–.07 98 4.5b 69 3-167
IDC VI 15 18 29 28.9–2.2 22.25S 171.41E 114–17 4.3,3.9s ¶610791958
NEIC VI 15 18 29 28.4–1.2 22.3S–.10 171.48E–.09 108–7 4.5b,3.9s
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 16 22 14 45.2–1.5 23.2S–.20 169.9E–.10 35 3.9b 12 2-148
IDC VI 16 22 14 39.7–2.1 23.30S 169.95E 0 3.9s,3.9b ¶610792029
NOU VI 16 22 14 43.9 22.89S 169.73E 195 3.6,3.9b
ISC Event type ke.
IDC Error ellipse: s-maj=64.9km s-min=36.5km az=170.0.
NOU Southeast of Loyalty Islands.
ISC VI 17 01 34 22.6–1.3 23.2S–.40 169.9E–.20 10 17 3-151
IDC VI 17 01 34 20.2–2.3 23.15S 169.97E 0 4.0b,3.8 ¶610792039
ISC Event type ke.
IDC Error ellipse: s-maj=74.9km s-min=38.7km az=177.0.
NOU VI 19 10 48 07.1 21.16S 169.96E 28 4.3
¶612490064
NOU Southeast of Loyalty Islands.
ISC VI 26 01 31 41.0–.62 21.16S–.10 169.94E–.08 35 4.5b,3.5s 66 2-149
NEIC VI 26 01 31 39.9–1.2 21.1S–.10 170.0E–.10 27–9 4.6b,3.5s ¶610789474
NOU VI 26 01 31 42.2 21.26S 169.66E 0 4.6,3.5s
IDC VI 26 01 31 43.7–5.2 21.11S 169.75E 54–41 4.3,4.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.5km s-min=15.3km az=46.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Southeast of Loyalty Islands.
IDC Error ellipse: s-maj=32.1km s-min=29.3km az=76.0.
NOU VI 27 14 57 52.4 21.50S 170.19E 0 3.9
¶612490150
NOU Southeast of Loyalty Islands.

SEISMIC REGION 15.
Bismarck and Solomon Islands.

(190) New Ireland region.

ISC I 01 00 23 58.6–.88 5.98S–.08 153.8E–.10 48 3.7b,3.0s 27 2-152
IDC I 01 00 23 52.9–1.2 5.97S 153.86E 0 3.9,3.8b ¶610236341
NEIC I 01 00 23 53.9–.65 6.0S–.10 153.90E–.06 10–1 4.1b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 01 07 58 31.1–1.6 5.5S–.20 153.7E–.20 50 3.1b 7 2-151
IDC I 01 07 58 21.6–2.4 5.51S 154.05E 0 3.3,3.2b ¶610236368
ISC Event type ke.
IDC Error ellipse: s-maj=60.0km s-min=32.2km az=101.0.
ISC I 02 03 07 29.8–1.4 5.7S–.10 153.1E–.20 35 3.5b 8 2-151
IDC I 02 03 07 23.9–2.0 5.77S 153.23E 0 3.7,3.7b ¶610236435
ISC Event type ke.
IDC Error ellipse: s-maj=56.5km s-min=23.5km az=106.0.
ISC I 02 06 27 38.4–1.4 5.7S–.10 153.0E–.20 37 3.8b 9 2-151
IDC I 02 06 27 38.0–8.2 5.68S 153.02E 33–56 4.1,3.9b ¶610236443
ISC Event type ke.
IDC Error ellipse: s-maj=57.1km s-min=18.1km az=98.0.
IDC I 02 13 05 52.0–10 4.74S 153.50E 152–67 3.7,3.1b
¶610236467
IDC Error ellipse: s-maj=111.8km s-min=41.7km az=102.0.
ISC I 02 15 15 24.6–1.4 5.6S–.10 153.8E–.10 50 3.6b 10 2-151
IDC I 02 15 15 25.7–3.4 5.57S 153.73E 55–26 4.1s,3.6 ¶610236479
ISC Event type ke.
IDC Error ellipse: s-maj=38.1km s-min=18.3km az=61.0.
ISC I 02 19 12 57.5–.54 4.73S–.07 153.84E–.07 100 4.3b 37 2-151
IDC I 02 19 12 57.6–3.0 4.73S 153.84E 103–22 4.2,3.8b ¶610236503
NEIC I 02 19 12 59–1.1 4.78S–.09 153.76E–.08 103–8 4.6b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 02 19 13 26.5–1.4 4.8S–.20 153.8E–.10 100 3.5b 7 2-151
IDC I 02 19 13 27.4–5.1 4.76S 153.71E 106–37 3.7s,3.7 ¶610236506
ISC Event type ke.
IDC Error ellipse: s-maj=54.3km s-min=26.0km az=110.0.
ISC I 03 04 03 58.9–1.2 4.7S–.10 153.9E–.10 100 3.7b 11 2-151
IDC I 03 04 04 00.0–4.3 4.70S 153.81E 110–31 4.0,3.6b ¶610236531
ISC Event type ke.
IDC Error ellipse: s-maj=44.8km s-min=20.1km az=102.0.
ISC I 03 04 33 35.0–.92 5.0S–.20 153.7E–.10 56 3.7b 11 2-151
IDC I 03 04 33 34.7–3.5 5.02S 153.71E 54–29 3.9,3.6b ¶610236532
ISC Event type ke.
IDC Error ellipse: s-maj=39.7km s-min=19.2km az=44.0.
ISC I 04 02 10 18.5–1.4 3.2S–.30 151.4E–.30 350 3.3b 6 1-148
IDC I 04 02 10 18.6–1.2 3.39S 151.95E 372–14 3.7,3.0b ¶610236656
ISC Event type ke.
IDC Error ellipse: s-maj=79.3km s-min=25.1km az=115.0.
IDC I 04 07 44 08.7–13 4.29S 153.89E 430–183 3.6,2.6b
¶610236681
IDC Error ellipse: s-maj=184.2km s-min=46.2km az=141.0.
IDC I 04 10 24 05.5–2.3 5.72S 153.42E 0 3.6,3.6b
¶610236692
IDC Error ellipse: s-maj=141.9km s-min=31.3km az=129.0.
ISC I 04 13 40 17.5–.81 5.52S–.08 153.1E–.10 37 3.9b,3.0s 16 2-150
IDC I 04 13 40 18.4–3.5 5.52S 153.08E 45–29 4.0,3.7b ¶609985345
ISC Event type ke.
IDC Error ellipse: s-maj=31.9km s-min=12.0km az=96.0.
ISC I 05 07 55 40.4–1.1 5.57S–.08 153.4E–.10 43 3.9b 11 2-87
IDC I 05 07 55 41.1–2.9 5.62S 153.38E 50–23 3.9,3.6b ¶610236762
ISC Event type ke.
IDC Error ellipse: s-maj=29.8km s-min=13.8km az=81.0.
ISC I 05 23 35 37.8–1.1 5.6S–.20 153.9E–.20 35 3.7b,3.5s 11 2-98
IDC I 05 23 35 32.6–1.2 5.56S 153.88E 0 3.8,3.7b ¶610236802
ISC Event type ke.
IDC Error ellipse: s-maj=35.5km s-min=22.3km az=63.0.
ISC I 06 01 12 07.9–.48 5.69S–.05 153.04E–.08 37 4.5b,3.4s 78 2-150
BJI I 06 01 12 02.6–.00 6.05S 152.78E 16 5.1b,4.6b ¶610009984
IDC I 06 01 12 02.6–.60 5.59S 153.03E 0 4.3,4.3b
NEIC I 06 01 12 03.8–1.3 5.71S–.07 153.1E–.10 10–1 4.6b,4.3b
DJA I 06 01 12 09.0–.50 6S–5.0 153E–5.0 44–8 4.7,4.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 06 22 54 31.9–.78 5.56S–.07 153.6E–.10 43 4.2b,3.3s 34 2-85
IDC I 06 22 54 25.7–.96 5.61S 153.58E 0 4.1,4.0b ¶610236862
NEIC I 06 22 54 29.2–1.6 5.44S–.08 153.8E–.10 23–7 4.4b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 07 00 56 46.6–1.3 5.4S–.10 153.4E–.10 43 3.5b 10 2-82
IDC I 07 00 56 46.7–3.1 5.43S 153.35E 42–26 3.7,3.5b ¶610236868
ISC Event type ke.
IDC Error ellipse: s-maj=32.6km s-min=16.7km az=60.0.
ISC I 07 08 57 37.7–1.2 5.3S–.10 153.5E–.20 43 3.9b 14 2-125
IDC I 07 08 57 39.8–4.6 5.33S 153.28E 57–32 3.9,3.5b ¶610236890
ISC Event type ke.
IDC Error ellipse: s-maj=48.2km s-min=18.3km az=108.0.
IDC I 07 20 47 45.7–6.5 4.66S 153.52E 126–38 3.7,3.1b
¶610236923
IDC Error ellipse: s-maj=80.0km s-min=28.7km az=97.0.
ISC I 07 22 19 07.4–.51 4.37S–.07 153.03E–.06 35 4.3b 47 1-151
IDC I 07 22 19 02.0–.70 4.32S 153.05E 0 4.0,4.0b ¶610236928
NEIC I 07 22 19 08.0–.93 4.35S–.09 153.01E–.07 35–6 4.4b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC I 08 11 57 38.3–1.7 1.12S 149.77E 0 4.2L,3.8
¶610236961
IDC Error ellipse: s-maj=51.5km s-min=30.0km az=119.0.
ISC I 09 01 20 04.8–1.4 5.90S–.10 153.5E–.20 35 4.2s,4.0b 15 2-87
IDC I 09 01 19 54.7–5.7 6.29S 154.87E 0 4.2s,3.6 ¶610236986
NEIC I 09 01 20 00.9–1.6 5.89S–.09 153.64E–.03 10–2 4.3b,3.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 09 05 48 01.6–1.2 4.5S–.10 153.7E–.10 100 3.9b 17 2-85
NEIC I 09 05 48 02.6–.57 4.3S–.10 153.7E–.10 134–12 4.2b ¶610236994
IDC I 09 05 48 03.5–5.8 4.51S 153.57E 122–35 4.0,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=24.2km s-min=9.8km az=144.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=68.0km s-min=32.0km az=94.0.
ISC I 09 10 34 21.4–.75 5.76S–.08 153.82E–.09 35 3.9b 15 2-83
IDC I 09 10 34 16.2–.91 5.62S 153.79E 0 3.9,3.8b ¶610237024
ISC Event type ke.
IDC Error ellipse: s-maj=25.4km s-min=20.6km az=71.0.
ISC I 10 08 52 17.5–.60 4.61S–.07 153.72E–.08 100 3.9b 36 2-95
NEIC I 10 08 52 16.3–1.5 4.60S–.09 153.9E–.10 97–8 4.2b ¶610237067
IDC I 10 08 52 19.0–1.9 4.65S 153.57E 101–15 4.1,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.3km s-min=10.1km az=55.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=21.2km s-min=14.3km az=74.0.
ISC I 10 14 54 57.4–1.2 3.4S–.10 152.6E–.30 35 3.6b 10 1-81
IDC I 10 14 54 52.0–1.2 3.39S 152.66E 0 3.7,3.7b ¶610237089
ISC Event type ke.
IDC Error ellipse: s-maj=49.8km s-min=15.6km az=113.0.
IDC I 10 21 56 00.9–3.4 5.03S 153.24E 0 3.4,3.4b
¶610237107
IDC Error ellipse: s-maj=97.4km s-min=33.2km az=100.0.
ISC I 11 22 54 12.7–1.8 5.9S–.10 154.0E–.20 48 3.3b 7 2-152
IDC I 11 22 54 14.8–8.4 5.85S 153.82E 62–59 3.4,3.4L ¶610237210
ISC Event type ke.
IDC Error ellipse: s-maj=78.5km s-min=29.7km az=89.0.
ISC I 12 00 02 27.8–.76 4.68S–.08 153.85E–.10 100 4.1b 39 2-151
IDC I 12 00 02 27.2–3.6 4.63S 153.88E 94–26 4.1,3.7b ¶610237213
NEIC I 12 00 02 31.4–1.0 4.6S–.10 153.6E–.10 117–8 4.4b,3.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 12 15 50 01.4–1.6 4.4S–.10 153.8E–.10 100 3.9b 19 2-151
NEIC I 12 15 50 04.1–1.1 4.5S–.20 153.7E–.10 103–16 4.0b ¶610237245
IDC I 12 15 50 05.4–4.8 4.33S 153.51E 116–33 4.0,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=28.5km s-min=12.4km az=161.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=61.3km s-min=31.5km az=114.0.
IDC I 13 19 12 48.9–6.1 4.52S 153.72E 116–39 3.6,3.4s
¶610237310
IDC Error ellipse: s-maj=66.9km s-min=27.7km az=101.0.
ISC I 14 01 21 25.2–.92 5.26S–.09 153.7E–.10 50 3.5b 14 2-151
IDC I 14 01 21 25.7–3.1 5.24S 153.67E 52–25 3.8,3.5b ¶610237326
ISC Event type ke.
IDC Error ellipse: s-maj=26.0km s-min=14.7km az=72.0.
ISC I 14 22 21 40.0–1.8 5.9S–.20 153.7E–.30 35 3.7b 8 2-152
IDC I 14 22 21 44.1–3.2 5.84S 153.47E 62–25 4.2s,3.6 ¶610237388
ISC Event type ke.
IDC Error ellipse: s-maj=36.4km s-min=18.6km az=72.0.
ISC I 15 08 59 26.9–2.1 5.8S–.20 153.4E–.30 10 3.5b 6 2-151
IDC I 15 08 59 25.2–2.5 5.78S 153.44E 0 3.7L,3.5s ¶610237426
ISC Event type ke.
IDC Error ellipse: s-maj=54.1km s-min=26.7km az=83.0.
IDC I 15 09 02 51.9–2.5 5.69S 153.66E 0 3.4,3.4b
¶610237427
IDC Error ellipse: s-maj=62.3km s-min=33.0km az=69.0.
ISC I 15 15 09 18.8–.42 3.89S–.06 150.49E–.07 450 4.0b 112 2-148

IDC I 15 15 09 19.7–.56 3.96S 150.59E 470–7 4.0,3.1b **¶610237444**
NEIC I 15 15 09 20.1–1.4 3.9S–.10 150.5E–.10 469–9 4.2b,3.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 15 18 06 15.1–1.4 5.9S–.20 153.3E–.20 35 3.2b 7 2-82
IDC I 15 18 06 17.6–2.9 5.91S 153.06E 58–26 3.4,3.1b **¶610237451**
ISC Event type ke.
IDC Error ellipse: s-maj=32.7km s-min=18.7km az=76.0.
ISC I 16 15 38 38.9–1.2 5.35S–.08 153.1E–.10 35 3.5b 10 1-151
IDC I 16 15 38 32.3–.99 5.48S 153.39E 0 3.5,3.5b **¶610237524**
ISC Event type ke.
IDC Error ellipse: s-maj=27.2km s-min=21.8km az=129.0.
ISC I 17 05 30 45.0–1.7 5.5S–.20 153.6E–.20 43 3.4b 7 2-151
IDC I 17 05 30 38.4–1.9 5.47S 153.69E 0 3.5,3.5b **¶610237570**
ISC Event type ke.
IDC Error ellipse: s-maj=43.4km s-min=27.9km az=86.0.
ISC I 19 03 04 40.1–1.1 5.28S–.08 153.4E–.10 43 3.8b,3.3s 12 2-82
IDC I 19 03 04 34.1–1.3 5.27S 153.47E 0 3.9,3.8b **¶610237701**
ISC Event type ke.
IDC Error ellipse: s-maj=27.4km s-min=19.6km az=72.0.
ISC I 19 10 55 56.1–1.8 5.81S–.08 153.2E–.20 33 2.9b 8 2-151
IDC I 19 10 55 50.6–2.1 5.89S 153.24E 0 3.2,3.0b **¶610237722**
ISC Event type ke.
IDC Error ellipse: s-maj=42.9km s-min=25.2km az=98.0.
IDC I 20 06 42 54.9–5.8 3.58S 151.23E 134–67 3.4,3.0b
¶610234919
IDC Error ellipse: s-maj=155.2km s-min=26.4km az=129.0.
ISC I 20 13 13 53.7–1.5 4.1S–.20 153.1E–.10 35 4.0b 21 1-150
IDC I 20 13 13 53.6–2.4 3.60S 151.60E 0 3.8,3.7b **¶610234938**
NEIC I 20 13 13 56.5–.57 4.1S–.10 153.0E–.10 60–15 4.0b,3.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 21 16 41 11.1–1.0 5.75S–.09 153.8E–.10 35 3.5b 12 2-96
IDC I 21 16 41 11.1–4.2 5.77S 153.77E 35–31 3.8,3.5b **¶610235004**
ISC Event type ke.
IDC Error ellipse: s-maj=28.8km s-min=19.1km az=73.0.
IDC I 21 20 49 24.6–5.7 4.31S 153.49E 361–17 3.0,2.4b
¶610235020
IDC Error ellipse: s-maj=129.4km s-min=32.4km az=102.0.
ISC I 22 05 25 51.2–.44 5.78S–.05 153.37E–.08 32 4.3b 61 2-151
IDC I 22 05 25 46.0–.56 5.80S 153.37E 0 4.3,4.3b **¶610235061**
NEIC I 22 05 25 48.4–1.4 5.71S–.08 153.43E–.03 10–1 4.4b,4.3b
DJA I 22 05 25 57.4–.70 5S–10 152E–10 154–7 6.7b,6.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 22 05 30 36.0–1.8 5.5S–.20 153.8E–.20 50 3.6b 6 2-82
IDC I 22 05 30 29.6–2.2 5.53S 153.86E 0 3.8,3.8b **¶610235063**
ISC Event type ke.
IDC Error ellipse: s-maj=45.1km s-min=27.1km az=89.0.
IDC I 22 07 24 33.3–3.5 5.72S 153.27E 0 3.3,3.3b
¶610235080
IDC Error ellipse: s-maj=72.1km s-min=27.2km az=82.0.
IDC I 22 10 24 54.1–6.3 5.50S 153.87E 0 3.2,3.2b
¶610235099
IDC Error ellipse: s-maj=189.3km s-min=33.5km az=108.0.
ISC I 22 10 37 32.7–1.1 5.9S–.10 153.4E–.20 32 3.6b 10 2-85
IDC I 22 10 37 27.9–1.2 5.88S 153.42E 0 4.1s,3.7 **¶610235103**
ISC Event type ke.
IDC Error ellipse: s-maj=33.8km s-min=21.0km az=81.0.
ISC I 22 13 32 00.7–.42 5.85S–.05 153.45E–.08 32 4.9b 119 2-151
IDC I 22 13 31 56.4–.58 5.82S 153.33E 0 4.5,4.5b **¶610105085**
NEIC I 22 13 31 59.5–1.2 5.83S–.06 153.48E–.09 22–5 4.9b,4.5b
DJA I 22 13 32 03.2–1.3 6S–4.0 154E–12 48–9 5.3b,5.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 23 03 06 18.5–.70 5.51S–.08 153.1E–.10 37 4.2b,3.6s 50 2-151
IDC I 23 03 06 12.9–1.0 5.53S 153.12E 0 4.1,4.1b **¶610105266**
NEIC I 23 03 06 14.7–1.2 5.51S–.08 153.16E–.09 10–1 4.3b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 23 13 40 43.8–.82 5.79S–.07 153.3E–.10 32 3.9b 24 2-151
IDC I 23 13 40 38.7–1.0 5.82S 153.45E 0 3.9,3.9b **¶610235199**
NEIC I 23 13 40 39.5–1.0 5.10S–.08 153.0E–.10 20–9 4.3b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 24 18 23 47.9–.68 5.39S–.07 153.74E–.09 50 3.9b,3.1s 29 2-151
IDC I 24 18 23 44.5–6.2 5.40S 153.97E 28–39 3.9,3.7b **¶610235277**
NEIC I 24 18 23 50.4–2.1 5.45S–.03 153.6E–.10 58–10 4.4b,3.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 25 17 00 20.1–1.6 5.0S–.10 153.8E–.10 50 3.1b 9 2-151
IDC I 25 17 00 13.2–1.7 5.03S 153.82E 0 3.4,3.2b **¶610235337**
ISC Event type ke.
IDC Error ellipse: s-maj=32.0km s-min=30.5km az=100.0.
IDC I 27 01 45 31.0–2.5 3.60S 150.88E 0 3.4,3.4b
¶610235428
IDC Error ellipse: s-maj=165.0km s-min=33.4km az=127.0.
IDC I 27 18 30 28.4–4.8 4.16S 153.49E 146–26 3.6,3.0b
¶610235490
IDC Error ellipse: s-maj=72.2km s-min=27.5km az=108.0.
ISC I 28 06 25 25.5–.72 3.23S–.10 151.02E–.08 10 4.0b,3.5s 17 1-148
IDC I 28 06 25 23.2–.78 3.35S 151.04E 0 4.0,4.0b **¶610235542**
ISC Event type ke.
IDC Error ellipse: s-maj=24.0km s-min=17.3km az=64.0.
ISC I 28 07 51 41.5–.77 3.6S–.10 151.1E–.10 35 3.7s,3.7b 11 1-148
IDC I 28 07 51 36.5–.85 3.59S 151.09E 0 4.3L,4.0 **¶610235544**
ISC Event type ke.
IDC Error ellipse: s-maj=21.9km s-min=18.4km az=58.0.
ISC I 28 23 12 03.6–.34 4.64S–.04 153.07E–.05 61–2 4.8b 371 1-158
MOS I 28 23 12 01.0–.80 4.63S 153.10E 50 5.0b **¶610147560**
BJI I 28 23 12 02.4–.00 4.29S 153.16E 52 5.1b,4.7b
NEIC I 28 23 12 03.7–1.2 4.64S–.07 153.12E–.07 61–6 5.0b,4.7b
DJA I 28 23 12 04.5–.50 5S–4.0 153E–4.0 76–5 5.8,5.3b
IDC I 28 23 12 04.4–1.0 4.68S 153.06E 66–8 4.6,4.3b
GCMT I 28 23 12 05.7–.30 4.71S–.02 153.31E–.03 46–1 5.1W,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s42,c49; s71,c93;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-0.53±.27 $M_{\theta\theta}$-1.09±.23; $M_{\phi\phi}$1.62±.23; $M_{r\theta}$0.78±.20; $M_{\theta\phi}$-4.85±.16; $M_{\phi r}$-0.47±.19; Best double couple: NP1:ϕ_s98.00000°,δ88.00000°,λ171.00000°. NP2:ϕ_s188.00000°,δ81.00000°,λ2.00000°. Principal axes: T 5.4210,Plg8.0000°,Azm53.0000° ; N -0.6220,Plg81.0000°,Azm263.0000°; P -4.7980,Plg5.0000°,Azm143.0000° $M_0$5.10900×10^{16}
IDC I 29 09 13 19.6–7.3 5.88S 153.88E 0 3.3,3.3b
¶610235631
IDC Error ellipse: s-maj=225.1km s-min=41.0km az=109.0.
IDC II 01 12 08 39.5–2.7 5.78S 153.86E 0 3.4,3.4b
¶610414610
IDC Error ellipse: s-maj=63.3km s-min=33.5km az=96.0.
ISC II 03 17 55 25.9–1.7 2.9S–.20 149.3E–.30 35 3.7b,3.4s 8 7-146
IDC II 03 17 55 20.7–1.6 2.86S 149.28E 0 3.8,3.8b **¶610414753**
ISC Event type ke.
IDC Error ellipse: s-maj=57.9km s-min=22.4km az=113.0.
ISC II 05 10 50 05.7–1.5 4.5S–.10 153.8E–.10 100 4.2b 20 2-151
IDC II 05 10 50 08.7–4.9 4.47S 153.52E 114–31 4.0,3.5b **¶610414874**
NEIC II 05 10 50 09.1–1.2 4.3S–.40 153.6E–.20 129–22 4.2b,3.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 07 18 25 05.0–1.0 5.40S–.09 153.9E–.10 50 3.5b 14 2-151
IDC II 07 18 25 07.4–3.2 5.43S 153.60E 67–24 3.7,3.3b **¶610415060**
ISC Event type ke.
IDC Error ellipse: s-maj=37.0km s-min=21.0km az=73.0.
ISC II 07 20 02 40.4–1.5 5.0S–.10 153.6E–.10 56 3.1b 9 2-151
IDC II 07 20 02 41.2–5.7 5.04S 153.60E 64–41 3.4,3.0b **¶610415066**
ISC Event type ke.
IDC Error ellipse: s-maj=47.7km s-min=19.9km az=88.0.
IDC II 07 21 38 06.7–1.4 3.99S 152.05E 0 3.5s,3.4
¶610415073
IDC Error ellipse: s-maj=46.8km s-min=13.6km az=91.0.
IDC II 08 05 29 24.8–2.1 3.37S 151.27E 0 3.5,3.5b
¶610415090
IDC Error ellipse: s-maj=41.7km s-min=22.6km az=32.0.
IDC II 08 20 15 11.3–2.0 3.73S 150.81E 0 3.3,3.2b
¶610415139
IDC Error ellipse: s-maj=50.8km s-min=21.4km az=8.0.
ISC II 09 21 07 47.5–.85 5.21S–.08 153.84E–.10 50 4.1b,3.3s 28 2-151
IDC II 09 21 07 40.4–1.0 5.12S 153.95E 0 4.0,3.9b **¶610415199**
NEIC II 09 21 07 48.4–1.3 5.2S–.10 153.82E–.06 51–12 4.4b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 11 07 25 26.1–.71 5.57S–.08 153.45E–.09 10 4.3b 21 2-151
IDC II 11 07 25 23.9–.96 5.75S 153.72E 0 4.1,4.1b **¶610415295**
ISC Event type ke.
IDC Error ellipse: s-maj=31.4km s-min=19.0km az=103.0.
ISC II 11 07 33 12.4–.30 5.74S–.04 153.59E–.05 35 4.9b,4.2s 249 2-151
IDC II 11 07 33 06.6–.45 5.67S 153.60E 0 4.7,4.7b **¶610208134**
MOS II 11 07 33 08.0–1.0 5.65S 153.54E 14 5.2b,4.7b
DJA II 11 07 33 10.3–.50 6S–3.0 154E–6.0 19–4 5.4,5.4b
BJI II 11 07 33 12.0–.00 5.07S 153.68E 23 5.3b,5.0b
NEIC II 11 07 33 13.1–1.9 5.69S–.07 153.63E–.09 37–7 5.0b,5.0b
GCMT II 11 07 33 15.1–.20 5.91S–.02 153.44E–.02 21–0 5.0W,5.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s49,c56; s86,c118;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}3.85±.19 $M_{\theta\theta}$-2.47±.12; $M_{\phi\phi}$-1.38±.12; $M_{r\theta}$1.78±.19; $M_{\theta\phi}$1.22±.08; $M_{\phi r}$-1.57±.23; Best double couple: NP1:ϕ_s127.00000°,δ62.00000°,λ93.00000°. NP2:ϕ_s300.00000°,δ28.00000°,λ84.00000°. Principal axes: T 4.5770,Plg73.0000° ,Azm46.0000°; N -0.6070,Plg3.0000°,Azm306.0000°; P -3.9690,Plg17.0000°,Azm215.0000° $M_0$4.27300×10^{16}
ISC II 11 07 59 18.0–.65 5.79S–.06 153.74E–.09 10 4.2b 37 2-151
IDC II 11 07 59 16.2–1.2 5.76S 153.73E 0 4.0,4.0b **¶610415299**
NEIC II 11 07 59 18.6–.79 5.82S–.05 153.86E–.09 10–1 4.2b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 11 22 53 19.1–.31 3.64S–.04 151.16E–.05 10 4.9b,4.2s 319 1-153
BJI II 11 22 53 17.1–.00 3.38S 151.36E 8 5.1b,4.8b **¶610208494**
IDC II 11 22 53 17.8–.45 3.62S 151.10E 0 4.6b,4.5
MOS II 11 22 53 18.6–.78 3.59S 151.15E 16 4.9b,4.5
NEIC II 11 22 53 19.8–1.4 3.60S–.07 151.22E–.05 10–1 5.1b,4.5
GCMT II 11 22 53 21.8–.20 3.51S–.01 151.08E–.01 15 5.0W,4.5
DJA II 11 22 53 33.1–1.1 4S–4.0 151E–6.0 127–14 5.6,5.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s42,c49; s111,c165;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-0.00±.10 $M_{\theta\theta}$3.33±.09; $M_{\phi\phi}$-3.33±.09; $M_{r\theta}$-0.27±.30; $M_{\theta\phi}$1.87±.08; $M_{\phi r}$-0.12±.32; Best double couple: NP1:ϕ_s210.00000°,δ87.00000°,λ176.00000°. NP2:ϕ_s300.00000°,δ86.00000°,λ3.00000°. Principal axes: T 3.8420,Plg4.0000° ,Azm165.0000°; N -0.0230,Plg86.0000°,Azm355.0000°; P -3.8200,Plg1.0000° ,Azm255.0000° $M_0$3.83100×10^{16}
IDC II 11 23 29 49.4–4.5 3.60S 150.84E 0 3.4,3.3b
¶610415342
IDC Error ellipse: s-maj=197.0km s-min=53.0km az=115.0.
IDC II 13 03 02 07.3–5.3 3.25S 151.55E 0 3.9s,3.6
¶610415414
IDC Error ellipse: s-maj=163.1km s-min=38.1km az=104.0.
ISC II 14 11 09 47.6–.60 4.70S–.08 153.61E–.10 85 4.4b 36 2-151
NEIC II 14 11 09 48.6–1.3 4.64S–.10 153.7E–.10 88–8 4.5b **¶610415499**
IDC II 14 11 09 51.0–5.9 4.72S 153.46E 105–45 3.9,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.4km s-min=14.3km az=73.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=67.5km s-min=27.2km az=112.0.
IDC II 14 20 09 59.9–4.1 5.89S 153.80E 0 3.5,3.5b
¶610415524
IDC Error ellipse: s-maj=148.1km s-min=37.2km az=114.0.
IDC II 14 21 24 08.8–2.0 3.42S 152.88E 0 3.5,3.5b
¶610415530
IDC Error ellipse: s-maj=89.1km s-min=27.9km az=120.0.
ISC II 15 19 26 09.1–.46 4.58S–.06 153.07E–.08 55 4.5b,3.2s 69 1-151
IDC II 15 19 26 09.4–4.2 4.56S 153.03E 57–37 4.2,3.9b **¶610415581**
NEIC II 15 19 26 11.7–1.3 4.46S–.09 152.95E–.07 82–7 4.6b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC II 16 05 48 24.4–4.3 5.27S 153.00E 0 3.7s,3.3
¶610415613
IDC Error ellipse: s-maj=157.4km s-min=39.8km az=112.0.
IDC II 17 07 12 33.0–4.9 5.55S 153.92E 0 3.9L,3.6
¶610415671
IDC Error ellipse: s-maj=148.1km s-min=29.1km az=106.0.
ISC II 17 21 28 52.3–3.2 5.7S–.40 153.4E–.40 35 4.2b 9 7-151
IDC II 17 21 28 44.9–4.1 5.85S 153.84E 0 4.2,4.2b **¶610415726**
ISC Event type ke.
IDC Error ellipse: s-maj=126.3km s-min=42.8km az=122.0.
IDC II 18 21 00 33.5–4.6 3.79S 152.24E 0 3.2,3.2b
¶610415778
IDC Error ellipse: s-maj=222.7km s-min=51.9km az=118.0.
ISC II 18 21 33 20.1–4.5 5.8S–.40 153.8E–1.0 48 3.4b 6 24-152
IDC II 18 21 33 13.3–4.8 5.75S 153.88E 0 3.6,3.6b **¶610415779**
ISC Event type ke.
IDC Error ellipse: s-maj=163.7km s-min=30.1km az=109.0.
ISC II 20 14 59 05.4–.44 5.03S–.04 153.59E–.04 47–3 4.9b,4.0s 448 2-151
MOS II 20 14 59 02.5–.67 4.96S 153.61E 34 5.2b,4.0s **¶610236329**
BJI II 20 14 59 04.7–.00 4.86S 153.64E 50 5.2b,5.0b
DJA II 20 14 59 05.7–.40 5S–3.0 154E–4.0 60–4 5.8,5.6
NEIC II 20 14 59 06.8–1.2 5.01S–.08 153.58E–.05 57–6 5.0b,5.6
IDC II 20 14 59 06.4–1.3 5.05S 153.57E 56–11 4.6,4.3b
GCMT II 20 14 59 06.8–.20 5.22S–.02 153.49E–.02 45–1 5.1W,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s75,c100; s80,c105;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}4.63±.18 $M_{\theta\theta}$-2.47±.15; $M_{\phi\phi}$-2.16±.15; $M_{r\theta}$1.32±.13; $M_{\theta\phi}$3.19±.10; $M_{\phi r}$-1.69±.15; Best double couple: NP1:ϕ_s138.00000°,δ56.00000°,λ95.00000°. NP2:ϕ_s309.00000°,δ34.00000°,λ83.00000°. Principal axes: T 5.0780,Plg78.0000°

,Azm64.0000°; N 0.8570,Plg4.0000°,Azm315.0000°; P -5.9350,Plg11.0000°,Azm224.0000° $M_0$5.50700$\times10^{16}$
ISC II 22 11 23 32.7–.91 5.18S–.08 153.0E–.10 43 3.5b 12 1-151
IDC II 22 11 23 32.5–3.2 5.17S 153.01E 39–28 3.7,3.5s **¶610384802**
ISC Event type ke.
IDC Error ellipse: s-maj=29.1km s-min=19.0km az=87.0.
IDC II 23 19 42 40.6–6.1 4.89S 153.86E 48–45 3.5,3.1b ¶610384894
IDC Error ellipse: s-maj=57.0km s-min=31.5km az=63.0.
ISC II 25 08 06 51.7–1.7 5.6S–.20 153.5E–.20 35 3.6b 6 2-151
IDC II 25 08 06 43.9–4.5 5.48S 153.75E 0 3.5,3.5b **¶610384988**
ISC Event type ke.
IDC Error ellipse: s-maj=154.4km s-min=31.8km az=109.0.
IDC II 25 15 49 53.4–6.4 5.25S 153.84E 114–40 3.5s,3.4 ¶610385008
IDC Error ellipse: s-maj=68.8km s-min=28.8km az=89.0.
ISC II 26 01 30 06.7–.49 5.87S–.06 153.28E–.08 32 4.7b,3.5s 104 2-151
IDC II 26 01 30 02.0–.58 5.86S 153.30E 0 4.3,4.3b **¶610241392**
NEIC II 26 01 30 04.9–1.3 5.86S–.07 153.4E–.10 17–5 4.6b,4.3b
DJA II 26 01 30 10.4–.50 6S–3.0 153E–4.0 57–5 5.7b,5.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 26 15 13 50.7–1.2 3.2S–.20 151.9E–.40 350 3.3b 7 1-149
IDC II 26 15 13 50.7–1.2 3.60S 152.46E 370–11 3.7,3.0b **¶610385071**
ISC Event type ke.
IDC Error ellipse: s-maj=84.0km s-min=18.0km az=121.0.
ISC II 28 14 37 00.2–1.0 5.85S–.08 154.0E–.10 35 4.0b 34 2-152
IDC II 28 14 36 57.9–1.2 5.95S 153.46E 0 4.0,4.0b **¶610385210**
NEIC II 28 14 36 57.2–1.0 5.7S–.10 154.30E–.07 35–2 4.1b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 01 02 32 15.5–.43 5.56S–.05 153.62E–.06 43 4.4b,3.5s 81 2-151
NEIC III 01 02 32 13.3–1.4 5.50S–.06 153.79E–.07 29–4 4.5b,3.5s **¶610242094**
IDC III 01 02 32 16.4–1.2 5.52S 153.64E 48–10 4.3,4.1b
DJA III 01 02 32 18.3–.40 6S–4.0 154E–4.0 64–5 5.0b,4.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC III 03 04 44 48.0–7.2 4.66S 153.64E 96–51 3.5,3.3b ¶610545429
IDC Error ellipse: s-maj=74.1km s-min=47.4km az=104.0.
ISC III 03 15 10 52.5–1.0 4.0S–.20 151.2E–.10 10 3.3b 7 1-149
IDC III 03 15 10 51.0–1.0 3.96S 151.25E 0 3.4,3.4b **¶610545462**
ISC Event type ke.
IDC Error ellipse: s-maj=27.1km s-min=17.1km az=16.0.
ISC III 04 12 02 33.4–1.0 5.85S–.08 153.5E–.10 32 3.8b,3.2s 16 2-151
IDC III 04 12 02 27.6–1.3 5.91S 153.72E 0 3.8,3.8b **¶610545522**
ISC Event type ke.
IDC Error ellipse: s-maj=38.1km s-min=22.3km az=108.0.
ISC III 06 15 48 33.7–.85 5.79S–.07 153.6E–.10 35 4.0b 28 2-151
IDC III 06 15 48 28.1–1.2 5.83S 153.68E 0 4.0,3.9b **¶610545673**
NEIC III 06 15 48 33.4–.70 5.79S–.10 153.7E–.10 35–2 4.1b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 07 05 29 22.6–.75 5.93S–.08 153.6E–.10 32 3.9b,3.5s 18 2-151
IDC III 07 05 29 17.7–.79 5.90S 153.77E 0 4.1,4.0b **¶610545705**
ISC Event type ke.
IDC Error ellipse: s-maj=26.5km s-min=19.1km az=94.0.
ISC III 07 11 04 30.4–1.1 5.96S–.09 153.6E–.10 32 4.1b 14 2-87
IDC III 07 11 04 24.4–1.5 6.06S 153.94E 0 4.1,4.0b **¶610545729**
ISC Event type ke.
IDC Error ellipse: s-maj=43.3km s-min=20.4km az=118.0.
ISC III 08 04 53 34.5–.49 3.55S–.09 152.9E–.10 35 4.5b 55 1-152
NEIC III 08 04 53 33.9–1.0 3.6S–.10 152.9E–.10 25–5 4.6b **¶610545780**
IDC III 08 04 53 36.2–2.4 3.53S 152.82E 49–21 4.2,4.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.2km s-min=8.4km az=130.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=28.2km s-min=17.4km az=98.0.
ISC III 10 01 08 28.6–1.1 3.2S–.10 151.7E–.20 35 3.3b 7 1-149
IDC III 10 01 08 24.3–1.2 3.14S 151.59E 0 3.6s,3.5 **¶610545914**
ISC Event type ke.
IDC Error ellipse: s-maj=28.8km s-min=13.2km az=72.0.
ISC III 10 06 15 16.8–.48 5.80S–.06 153.98E–.07 35 4.4b,3.4s 56 2-152
NEIC III 10 06 15 13.7–1.9 5.76S–.08 153.97E–.07 10–1 4.5b,3.4s **¶610545926**
IDC III 10 06 15 15.9–4.2 5.64S 153.97E 26–27 4.2,4.0b
DJA III 10 06 15 21.2–.50 6S–4.0 154E–4.0 97–7 5.1,5.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC III 12 11 06 15.0–3.2 4.96S 153.34E 0 3.3,3.3b ¶610546075
IDC Error ellipse: s-maj=59.6km s-min=36.6km az=69.0.
ISC III 15 03 50 28.1–.89 1.0S–.10 149.6E–.20 23 3.6b 9 19-146
IDC III 15 03 50 24.5–.92 0.96S 149.59E 0 4.0L,3.8 **¶610546234**
ISC Event type ke.
IDC Error ellipse: s-maj=34.6km s-min=20.3km az=99.0.
ISC III 15 05 35 15.2–.37 5.54S–.05 153.97E–.06 35 4.8b,3.9s 124 2-152
NEIC III 15 05 35 15.2–1.4 5.51S–.08 154.04E–.07 33–6 4.8b,3.9s **¶610329168**
BJI III 15 05 35 16.9–.00 5.09S 153.91E 45 5.3b,5.0s
IDC III 15 05 35 16.3–1.7 5.56S 153.85E 42–13 4.5,4.2b
GCMT III 15 05 35 17.2–.30 5.83S–.03 153.61E–.03 36–1 4.9W,4.2b
DJA III 15 05 35 18.0–.50 6S–3.0 154E–4.0 49–5 5.1b,5.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s46,c54; s46,c56;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.01±.18 $M_{\theta\theta}$-1.81±.13; $M_{\phi\phi}$-1.20±.12; $M_{r\theta}$0.61±.14; $M_{\theta\phi}$1.03±.09; $M_{\phi r}$-1.43±.12; Best double couple: NP1:ϕ_s139.00000°,δ59.00000°,λ101.00000°. NP2:ϕ_s298.00000°,δ33.00000°,λ72.00000°. Principal axes: T 3.4660,Plg73.0000° ,Azm79.0000°; N -0.5660,Plg10.0000°,Azm313.0000°; P -2.9000,Plg13.0000° ,Azm221.0000° $M_0$3.18300$\times10^{16}$
ISC III 18 23 46 22.1–.49 3.73S–.07 151.36E–.07 10 4.5b,3.7s 57 1-149
IDC III 18 23 46 21.4–.64 3.69S 151.19E 0 4.1,4.1b **¶610546477**
NEIC III 18 23 46 22.4–.78 3.80S–.04 151.38E–.08 10–1 4.6b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC III 23 00 42 34.2–2.5 2.88S 151.42E 0 4.2,4.2b ¶610543496
IDC Error ellipse: s-maj=40.3km s-min=27.2km az=52.0.
ISC III 26 22 44 51.0–1.3 4.9S–.20 153.7E–.10 56 3.5b 8 2-151
IDC III 26 22 44 54.5–3.9 4.75S 153.48E 80–27 4.0s,3.7 **¶610543754**
ISC Event type ke.
IDC Error ellipse: s-maj=36.8km s-min=26.7km az=108.0.
ISC III 27 01 40 49.7–1.3 5.8S–.10 153.7E–.10 35 3.4b 8 2-82
IDC III 27 01 40 44.8–1.8 5.81S 153.64E 0 3.6,3.5b **¶610543767**
ISC Event type ke.
IDC Error ellipse: s-maj=39.5km s-min=23.7km az=61.0.
IDC III 27 02 02 45.3–3.1 5.41S 153.15E 0 3.1,3.1b ¶610543769
IDC Error ellipse: s-maj=61.0km s-min=26.1km az=73.0.
IDC III 27 12 52 13.0–3.7 2.62S 151.49E 0 3.6,3.6b ¶610543794
IDC Error ellipse: s-maj=157.2km s-min=46.0km az=114.0.
ISC III 27 21 22 35.0–.48 4.78S–.06 153.29E–.07 50 4.4b,3.0s 75 1-151
IDC III 27 21 22 37.5–1.8 4.82S 153.18E 66–13 4.3,3.9b **¶610543816**
NEIC III 27 21 22 37.2–1.7 4.69S–.06 153.23E–.07 70–7 4.5b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 29 03 48 00.2–.81 5.74S–.09 153.5E–.10 35 3.7b 14 2-151
IDC III 29 03 47 55.0–.87 5.84S 153.47E 0 3.8,3.8b **¶610543895**
ISC Event type ke.
IDC Error ellipse: s-maj=30.0km s-min=20.3km az=82.0.
IDC IV 01 00 30 46.1–3.5 3.23S 151.08E 0 3.3,3.3b ¶610651668
IDC Error ellipse: s-maj=146.9km s-min=47.4km az=118.0.
ISC IV 02 02 24 41.8–1.0 3.5S–.10 152.7E–.20 35 3.6b 11 1-150
IDC IV 02 02 24 42.8–2.6 3.60S 152.51E 44–24 3.6,3.4b **¶610651736**
ISC Event type ke.
IDC Error ellipse: s-maj=33.8km s-min=26.2km az=119.0.
ISC IV 05 13 17 33.8–1.1 5.6S–.10 153.2E–.20 37 3.5b 10 2-151
IDC IV 05 13 17 28.2–1.2 5.62S 153.27E 0 3.8,3.7b **¶610652012**
ISC Event type ke.
IDC Error ellipse: s-maj=31.1km s-min=23.1km az=73.0.
IDC IV 05 23 06 47.9–4.1 4.49S 153.86E 0 3.5,3.4b ¶610652035
IDC Error ellipse: s-maj=153.9km s-min=49.9km az=112.0.
ISC IV 07 03 23 26.3–.47 4.89S–.06 153.28E–.08 56 4.5b,3.2s 78 1-151
IDC IV 07 03 23 23.4–2.5 4.86S 153.30E 31–15 4.3,4.1b **¶610518289**
NEIC IV 07 03 23 26.8–1.1 4.88S–.08 153.29E–.09 60–8 4.5b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IV 07 12 20 26.5–5.9 5.06S 153.84E 44–45 3.5,3.0b ¶610652154
IDC Error ellipse: s-maj=47.2km s-min=23.6km az=77.0.
IDC IV 09 12 30 51.2–2.5 4.39S 153.03E 0 3.2,3.1b ¶610652299
IDC Error ellipse: s-maj=48.8km s-min=29.1km az=18.0.
IDC IV 09 14 12 40.3–2.7 3.56S 151.71E 0 3.5,3.4b ¶610652304
IDC Error ellipse: s-maj=50.6km s-min=21.8km az=47.0.
ISC IV 10 21 26 52.8–.69 5.55S–.08 153.63E–.10 10 4.4b,3.5s 31 2-151
IDC IV 10 21 26 51.1–.75 5.51S 153.71E 0 4.2,4.2b **¶610652408**
ISC Event type ke.
IDC Error ellipse: s-maj=24.7km s-min=15.9km az=76.0.
ISC IV 10 21 42 59.7–.66 5.50S–.07 153.70E–.10 35 4.4b,3.1s 44 2-151
IDC IV 10 21 42 54.0–.84 5.48S 153.83E 0 4.1,4.1b **¶610652411**
NEIC IV 10 21 42 59.8–2.2 5.35S–.05 153.8E–.10 35–2 4.5b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 10 22 06 50.9–.83 5.61S–.09 154.0E–.10 35 4.1b,3.2s 18 2-152
IDC IV 10 22 06 55.4–4.0 5.58S 153.72E 70–30 4.1,3.8b **¶610652414**
ISC Event type ke.
IDC Error ellipse: s-maj=35.7km s-min=14.4km az=92.0.
ISC IV 11 10 47 29.1–.66 5.86S–.06 153.81E–.10 10 4.3b 42 2-152
IDC IV 11 10 47 27.5–.89 5.82S 153.78E 0 4.3,4.3b **¶610526692**
NEIC IV 11 10 47 29.9–.76 5.90S–.08 153.74E–.07 10–1 4.4b,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 12 02 12 31.6–.39 5.99S–.05 153.75E–.06 10 4.7b,3.7s 132 2-152
IDC IV 12 02 12 29.8–.68 5.97S 153.77E 0 4.4,4.3b **¶610526866**
NEIC IV 12 02 12 33.3–1.9 5.94S–.07 153.71E–.08 22–5 4.7b,4.3b
DJA IV 12 02 12 37.6–.70 6S–4.0 153E–5.0 39–7 5.4b,4.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IV 13 20 54 05.1–5.5 3.14S 150.86E 0 4.0s,3.3 ¶610652659
IDC Error ellipse: s-maj=170.3km s-min=30.3km az=102.0.
IDC IV 15 21 51 12.2–4.0 5.27S 153.41E 0 3.2,3.1b ¶610652825
IDC Error ellipse: s-maj=141.6km s-min=40.1km az=113.0.
ISC IV 16 13 10 05.2–.78 5.06S–.09 153.2E–.10 43 4.0b 27 1-151
IDC IV 16 13 09 59.1–1.2 5.05S 153.17E 0 3.8,3.7b **¶610652870**
NEIC IV 16 13 10 04.9–1.0 5.09S–.08 153.2E–.10 35–2 4.2b,3.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 16 19 55 09.6–.48 5.39S–.04 153.79E–.05 59–4 4.9b,3.7s 449 2-159
NEIC IV 16 19 55 08.5–1.7 5.42S–.08 153.91E–.09 45–5 4.9b,3.7s **¶610528981**
BJI IV 16 19 55 08.9–.00 4.79S 154.08E 48 5.1b,5.0b
IDC IV 16 19 55 10.2–1.6 5.36S 153.77E 66–14 4.8,4.4b
DJA IV 16 19 55 11.0–.50 5S–3.0 154E–4.0 61–5 5.1,4.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IV 17 19 33 55.7–6.5 4.64S 153.68E 0 3.7s,3.3 ¶610652944
IDC Error ellipse: s-maj=201.8km s-min=42.7km az=107.0.
ISC IV 20 03 01 14.3–.53 5.45S–.06 153.76E–.07 50 4.4b,3.2s 49 2-151
NEIC IV 20 03 01 15.7–.88 5.41S–.08 153.72E–.09 60–8 4.6b,3.2s **¶610653092**
IDC IV 20 03 01 15.0–2.0 5.43S 153.72E 55–15 4.3,4.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.5km s-min=11.1km az=88.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=20.3km s-min=11.4km az=64.0.
ISC IV 21 10 34 58.9–.38 4.75S–.04 153.35E–.04 64–3 4.9b 707 1-151
BJI IV 21 10 34 55.8–.00 4.62S 153.94E 65 5.1b,4.8b **¶610546752**
IDC IV 21 10 34 56.1–1.4 4.74S 153.43E 39–11 4.7,4.5b
MOS IV 21 10 34 56.5–1.2 4.73S 153.26E 55 5.1b,5.6s
NEIC IV 21 10 34 57.5–1.7 4.67S–.07 153.30E–.06 51–4 5.0b,4.5b
DJA IV 21 10 35 00.2–.70 5S–5.0 153E–6.0 61–6 6.0,5.4b
GCMT IV 21 10 35 00.5–.20 4.86S–.01 153.26E–.01 51–1 5.1W,5.4b
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s333.66959°,δ71.49062°,λ55.02998°. NP2: ϕ_s219.25699°,δ39.00754°,λ149.71066°. Principal axes: T Plg50.7095°,Azm203.8784° ; N Plg32.9222°,Azm346.1885°; P Plg18.9649°,Azm89.0444°
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s65,c88; s114,c167;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.96±.17 $M_{\theta\theta}$3.55±.14; $M_{\phi\phi}$-6.51±.12; $M_{r\theta}$-2.50±.12; $M_{\theta\phi}$0.73±.12; $M_{\phi r}$-1.47±.13; Best double couple: NP1:ϕ_s212.00000°,δ68.00000°,λ142.00000°. NP2:ϕ_s318.00000°,δ55.00000°,λ27.00000°. Principal axes: T 5.9600,Plg42.0000° ,Azm171.0000°; N 0.7860,Plg47.0000°,Azm7.0000°; P -6.7460,Plg8.0000°,Azm268.0000° $M_0$6.35300$\times10^{16}$
ISC IV 22 17 55 47.6–.33 5.13S–.04 153.09E–.05 43 4.8b,3.7s 188 1-151
IDC IV 22 17 55 41.4–4.8 5.07S 153.22E 0 4.5,4.4b **¶610547325**
DJA IV 22 17 55 44.3–.50 5S–4.0 153E–6.0 20–2 5.3,4.9b
BJI IV 22 17 55 46.2–.00 4.70S 153.21E 35 5.0b,4.7b
NEIC IV 22 17 55 48.2–1.1 5.11S–.06 153.10E–.06 53–6 4.8b,4.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IV 27 16 30 55.5–1.9 4.96S 153.48E 0 3.5,3.5b ¶610650149
IDC Error ellipse: s-maj=38.1km s-min=29.0km az=61.0.
ISC IV 29 09 21 26.3–1.4 5.4S–.20 153.3E–.20 35 3.7b 8 2-151
IDC IV 29 09 21 21.1–1.5 5.38S 153.27E 0 4.0s,3.7 **¶610650296**
ISC Event type ke.
IDC Error ellipse: s-maj=35.7km s-min=24.7km az=92.0.
ISC IV 30 00 42 49.2–.73 5.82S–.08 153.8E–.10 10 4.3b,3.1s 34 2-152

NEIC IV 30 00 42 49.8–1.4 5.82S–.07 153.7E–.10 10–1 4.2b,3.1s ¶610650368
IDC IV 30 00 42 54.3–3.2 5.84S 153.65E 42–27 4.1,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.7km s-min=11.9km az=82.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=28.9km s-min=17.9km az=77.0.
IDC IV 30 08 20 39.2–2.5 3.78S 151.85E 0 3.5,3.4s ¶610650395
IDC Error ellipse: s-maj=45.7km s-min=19.8km az=51.0.
IDC V 01 14 21 45.8–1.6 4.94S 153.44E 0 3.5,3.4b ¶610689314
IDC Error ellipse: s-maj=42.5km s-min=22.6km az=36.0.
ISC V 05 08 32 36.2–1.4 4.7S–.10 153.3E–.10 50 3.8b 8 1-151
IDC V 05 08 32 30.3–1.7 4.85S 153.36E 0 3.9,3.9b **¶610689594**
ISC Event type ke.
IDC Error ellipse: s-maj=35.3km s-min=14.6km az=32.0.
IDC V 07 06 02 03.6–2.3 4.95S 153.74E 0 3.5,3.5b ¶610689700
IDC Error ellipse: s-maj=53.4km s-min=26.6km az=37.0.
ISC V 07 14 47 23.8–.83 5.86S–.07 153.84E–.09 10 4.0b 28 2-152
IDC V 07 14 47 21.7–1.5 6.15S 154.04E 0 3.8,3.7b **¶610689730**
NEIC V 07 14 47 23.4–2.8 5.93S–.04 154.01E–.05 10–2 4.2b,3.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 08 09 59 44.9–.40 4.81S–.04 153.27E–.04 43–3 5.0b,4.6s 445 1-158
IDC V 08 09 59 39.9–1.7 4.76S 153.35E 10–9 4.9,4.9b **¶616639901**
BJI V 08 09 59 44.1–.00 4.53S 153.76E 54 5.1b,4.9b
MOS V 08 09 59 44.0–1.2 4.76S 153.21E 41 5.4b,4.7s
NEIC V 08 09 59 46.3–1.8 4.85S–.05 153.20E–.06 55–6 4.9b,4.7s
DJA V 08 09 59 47.4–.50 5S–3.0 153E–4.0 65–4 5.8,5.5b
GCMT V 08 09 59 47.3–.20 4.97S–.01 153.23E–.01 35–0 5.2W,5.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s83,c111; s129,c202;Duration: 0
Moment tensor: Scale 10^{17}Nm; Mrr0.50±.02 Mθθ0.26±.01; Mϕϕ-0.75±.01; Mrθ-0.29±.02; Mθϕ-0.06±.01; Mϕr-0.18±.02; Best double couple: NP1:ϕs211.00000°,δ61.00000°,λ127.00000°. NP2:ϕs334.00000°,δ45.00000°,λ42.00000°. Principal axes: T 0.7050,Plg57.0000° ,Azm172.0000°; N 0.0870,Plg32.0000°,Azm11.0000°; P -0.7920,Plg9.0000°,Azm276.0000° M0 0.74800×10^{17}
IDC V 08 17 42 37.2–3.4 5.80S 153.01E 0 3.1,3.0b ¶610689809
IDC Error ellipse: s-maj=74.4km s-min=25.4km az=83.0.
IDC V 11 10 14 25.2–1.8 3.91S 152.02E 0 3.4s,3.1 ¶610690039
IDC Error ellipse: s-maj=49.0km s-min=24.0km az=94.0.
IDC V 11 10 14 41.0–1.6 3.71S 151.95E 0 3.6,3.6b ¶610690042
IDC Error ellipse: s-maj=43.0km s-min=24.0km az=93.0.
IDC V 12 02 26 34.5–5.7 4.41S 153.61E 115–38 4.1,3.5b ¶610690090
IDC Error ellipse: s-maj=67.0km s-min=31.4km az=107.0.
IDC V 14 09 19 25.1–4.1 5.57S 153.62E 0 3.0,3.0b ¶610690261
IDC Error ellipse: s-maj=194.4km s-min=54.1km az=125.0.
IDC V 14 11 57 44.2–2.5 5.14S 153.73E 0 3.3s,3.3 ¶610690270
IDC Error ellipse: s-maj=45.5km s-min=32.0km az=54.0.
IDC V 16 12 51 20.0–6.0 4.44S 153.48E 0 3.5,3.5b ¶610690418
IDC Error ellipse: s-maj=185.2km s-min=40.5km az=107.0.
ISC V 17 02 22 05.1–1.3 6.0S–.20 153.5E–.20 35 3.8b,3.0s 10 2-151
IDC V 17 02 21 58.0–1.4 5.98S 153.85E 0 3.7L,3.6 **¶610690460**
ISC Event type ke.
IDC Error ellipse: s-maj=45.0km s-min=29.3km az=91.0.
ISC V 19 11 36 52.2–1.2 3.7S–.10 152.0E–.10 10 4.4b 22 1-86
NEIC V 19 11 36 52.6–1.6 3.67S–.04 151.95E–.10 10–2 4.3b **¶610690670**
IDC V 19 11 36 53.0–4.4 3.70S 151.83E 0 3.9,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.7km s-min=6.8km az=94.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=74.7km s-min=13.2km az=55.0.
IDC V 19 15 46 48.1–3.2 5.97S 153.11E 0 3.4,3.4b ¶610690682
IDC Error ellipse: s-maj=98.9km s-min=51.7km az=114.0.
ISC V 20 14 43 59.6–1.2 5.4S–.10 153.1E–.20 37 3.6b 10 2-151
IDC V 20 14 43 54.2–1.5 5.41S 153.16E 0 3.6,3.6b **¶610685033**
ISC Event type ke.
IDC Error ellipse: s-maj=34.5km s-min=22.7km az=91.0.
ISC V 22 00 19 00.3–.36 5.15S–.05 153.59E–.05 68–2 5.1b 290 2-151
IDC V 22 00 18 60.0–.57 5.03S 153.62E 69–4 4.5,4.2b **¶610646105**
BJI V 22 00 18 59.6–.00 4.95S 153.21E 52 5.0b,4.8b
NEIC V 22 00 18 59.9–1.6 5.1S–.10 153.6E–.10 59–6 5.1b,4.8b
DJA V 22 00 19 05.2–.80 5S–6.0 153E–6.0 114–8 5.3b,5.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 25 04 54 46.2–.60 5.42S–.09 153.5E–.10 50 4.4b,3.3s 51 2-151
IDC V 25 04 54 46.9–2.4 5.35S 153.57E 60–20 4.1,3.8b **¶610685334**
NEIC V 25 04 54 51.6–1.2 5.4S–.10 153.4E–.20 91–6 4.4b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC V 27 04 00 22.7–2.5 4.62S 153.21E 0 3.5,3.5b ¶610685475
IDC Error ellipse: s-maj=47.2km s-min=29.5km az=33.0.
ISC V 28 08 21 24.7–.41 1.31S–.04 149.49E–.06 42–3 4.9b,4.3s 477 4-147
IDC V 28 08 21 18.8–.41 1.28S 149.57E 0 4.8b,4.7 **¶610655192**
MOS V 28 08 21 21.5–.83 1.28S 149.55E 29 5.2b,4.7
GCMT V 28 08 21 24.2–.20 1.25S–.02 149.47E–.02 18–1 5.0W,4.7
BJI V 28 08 21 24.5–.00 1.08S 149.71E 53 5.7b,5.1b
NEIC V 28 08 21 24.2–1.4 1.30S–.09 149.4E–.10 35–1 5.0b,5.1b
DJA V 28 08 21 27.0–.70 1S–4.0 149E–4.0 56–6 5.4b,4.9b
ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s41,c49; s94,c137;Duration: 0
Moment tensor: Scale 10^{16}Nm; Mrr-2.77±.22 Mθθ-0.49±.13; Mϕϕ3.26±.14; Mrθ-2.00±.42; Mθϕ2.16±.09; Mϕr0.40±.30; Best double couple: NP1:ϕs55.00000°,δ59.00000°,λ-47.00000°. NP2:ϕs174.00000°,δ51.00000°,λ-138.00000°. Principal axes: T 4.2790,Plg4.0000° ,Azm116.0000°; N -0.0500,Plg36.0000°,Azm209.0000°; P -4.2300,Plg54.0000° ,Azm20.0000° M0 4.25400×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 31 04 27 17.8–1.6 5.7S–.20 153.5E–.30 43 3.5b 7 2-151
IDC V 31 04 27 18.8–2.9 5.35S 153.62E 79–23 3.9,3.6b **¶610685763**
ISC Event type ke.
IDC Error ellipse: s-maj=46.3km s-min=21.2km az=47.0.
ISC VI 01 08 16 08.3–.43 3.49S–.07 151.58E–.09 10 4.6b,3.8s 68 1-153
IDC VI 01 08 16 07.3–.58 3.96S 151.67E 0 4.1,4.1b **¶610657387**
NEIC VI 01 08 16 08.2–1.3 3.36S–.09 151.5E–.10 10–1 4.7b,4.1b
GCMT VI 01 08 16 11.2–.30 3.63S–.02 151.88E–.02 19–1 4.8W,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s14,c14; s80,c104;Duration: 0
Moment tensor: Scale 10^{16}Nm; Mrr-0.78±.15 Mθθ2.18±.12; Mϕϕ-1.41±.09; Mrθ0.72±.20; Mθϕ0.93±.07; Mϕr-0.20±.21; Best double couple: NP1:ϕs299.00000°,δ83.00000°,λ-24.00000°.
NP2:ϕs32.00000°,δ66.00000°,λ-172.00000°. Principal axes: T 2.5380,Plg11.0000° ,Azm347.0000°; N -0.7580,Plg65.0000°,Azm103.0000°; P -1.7850,Plg22.0000° ,Azm253.0000° M0 2.16100×10^{16}
IDC VI 02 05 02 15.1–2.2 3.48S 152.13E 0 4.0s,3.5 ¶610791077
IDC Error ellipse: s-maj=87.1km s-min=29.1km az=117.0.
IDC VI 02 15 19 05.7–1.8 4.57S 153.23E 0 3.6,3.6b ¶610791106
IDC Error ellipse: s-maj=34.3km s-min=29.1km az=28.0.
ISC VI 03 04 21 34.2–.57 5.74S–.08 153.5E–.10 43 4.5b,3.7s 62 2-151
IDC VI 03 04 21 27.7–.69 5.71S 153.61E 0 4.3,4.3b **¶610660633**
NEIC VI 03 04 21 38.9–1.2 5.3S–.10 152.9E–.10 47–9 4.6b,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 05 23 02 05.7–.40 3.42S–.05 153.61E–.06 356–4 4.4b 230 2-151
IDC VI 05 23 02 05.1–.47 3.36S 153.66E 349–4 4.7,4.0b **¶610664093**
NEIC VI 05 23 02 06.7–1.2 3.39S–.09 153.6E–.10 361–7 4.5b,4.0b
DJA VI 05 23 02 07.6–.60 3S–5.0 154E–7.0 391–5 5.3b,4.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VI 06 09 33 24.8–2.2 3.33S 151.63E 0 3.7s,3.6 ¶610791340
IDC Error ellipse: s-maj=38.4km s-min=24.4km az=49.0.
ISC VI 07 20 46 45.9–.53 5.96S–.07 153.78E–.07 48 4.2b,3.4s 53 2-152
NEIC VI 07 20 46 41.3–1.6 5.9S–.10 153.77E–.09 10–1 4.6b,3.4s **¶610791418**
IDC VI 07 20 46 46.1–2.3 6.08S 153.83E 59–20 4.2,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=23.0km s-min=14.3km az=190.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=21.9km s-min=16.0km az=90.0.
IDC VI 08 01 06 34.8–1.3 3.58S 151.49E 0 3.7,3.7b ¶610791431
IDC Error ellipse: s-maj=27.1km s-min=20.1km az=55.0.
IDC VI 10 01 29 57.5–5.0 2.57S 153.94E 0 3.6,3.6b ¶610791565
IDC Error ellipse: s-maj=246.1km s-min=51.5km az=116.0.
IDC VI 10 04 52 38.3–2.6 3.96S 150.32E 0 3.5,3.5b ¶610791574
IDC Error ellipse: s-maj=205.6km s-min=31.1km az=123.0.
ISC VI 10 15 50 24.8–1.2 5.57S–.09 153.3E–.10 43 3.6b 11 2-151
IDC VI 10 15 50 19.1–1.6 5.49S 153.39E 0 3.8,3.8b **¶610791600**
ISC Event type ke.
IDC Error ellipse: s-maj=35.9km s-min=32.0km az=9.0.
ISC VI 12 20 12 57.4–.39 5.39S–.05 153.61E–.06 50 4.7b,3.8s 127 2-151
NEIC VI 12 20 12 55.9–1.9 5.38S–.08 153.54E–.09 35–2 4.8b,3.8s **¶610671347**
DJA VI 12 20 12 58.9–.60 5S–5.0 153E–5.0 68–8 5.0,4.9
IDC VI 12 20 13 00.8–1.3 5.57S 153.66E 81–11 4.4,4.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.7km s-min=12.7km az=108.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=14.0km s-min=8.6km az=64.0.
ISC VI 17 01 21 42.4–.32 4.66S–.04 153.18E–.05 58–2 5.0b,4.2s 615 1-151
IDC VI 17 01 21 34.6–.43 4.62S 153.26E 0 4.8L,4.7 **¶610760957**
BJI VI 17 01 21 41.7–.00 4.39S 153.60E 70 5.2b,4.9b
MOS VI 17 01 21 41.3–.93 4.55S 153.05E 53 5.2b,4.9b
NEIC VI 17 01 21 43.1–1.4 4.65S–.07 153.16E–.06 56–5 5.0b,4.9b
DJA VI 17 01 21 43.2–.70 5S–3.0 153E–5.0 64–6 5.8,5.6b
GCMT VI 17 01 21 44.1–.20 4.90S–.02 153.11E–.02 52–1 5.1W,5.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s83,c112; s99,c133;Duration: 0
Moment tensor: Scale 10^{16}Nm; Mrr4.39±.15 Mθθ-4.71±.11; Mϕϕ0.31±.12; Mrθ2.47±.11; Mθϕ0.21±.11; Mϕr0.31±.10; Best double couple: NP1:ϕs88.00000°,δ59.00000°,λ85.00000°. NP2:ϕs278.00000°,δ31.00000°,λ99.00000°. Principal axes: T 5.0440,Plg75.0000° ,Azm343.0000°; N 0.2950,Plg4.0000°,Azm90.0000°; P -5.3400,Plg14.0000°,Azm181.0000° M0 5.19200×10^{16}
ISC VI 17 15 13 45.0–.40 5.91S–.05 153.43E–.07 32 4.7b,4.4s 87 2-151
IDC VI 17 15 13 40.3–.53 5.90S 153.46E 0 4.5,4.4b **¶610680847**
NEIC VI 17 15 13 41.9–2.2 5.96S–.10 153.6E–.10 10–1 4.8b,4.4b
DJA VI 17 15 13 47.9–1.0 6S–6.0 153E–10 37–5 5.2,5.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VI 19 12 47 35.6–2.6 3.17S 151.72E 299–72 3.0,2.5b ¶610792194
IDC Error ellipse: s-maj=339.0km s-min=40.3km az=122.0.
IDC VI 22 00 58 16.1–2.6 5.26S 153.74E 0 3.3,3.2b ¶610789239
IDC Error ellipse: s-maj=50.4km s-min=31.9km az=57.0.
IDC VI 22 17 18 11.7–2.2 2.65S 150.88E 0 3.5,3.5b ¶610789287
IDC Error ellipse: s-maj=94.3km s-min=34.5km az=120.0.
ISC VI 26 14 49 55.5–.96 5.3S–.10 153.6E–.10 43 4.0b 16 2-85
IDC VI 26 14 49 49.8–2.1 5.47S 153.85E 0 3.8s,3.5 **¶610789514**
NEIC VI 26 14 49 55.3–1.5 5.4S–.10 153.59E–.08 40–11 4.3b,3.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VI 28 04 52 18.1–2.8 3.87S 151.88E 0 3.9,3.8b ¶610789617
IDC Error ellipse: s-maj=46.4km s-min=20.6km az=46.0.
ISC VI 29 09 59 24.4–.55 5.66S–.05 153.19E–.08 37 4.3b,3.8s 45 2-151
IDC VI 29 09 59 19.0–.69 5.68S 153.23E 0 4.3,4.2b **¶610699302**
NEIC VI 29 09 59 24.9–1.6 5.61S–.07 153.2E–.10 34–3 4.4b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 29 12 42 03.6–.26 4.55S–.03 153.12E–.04 57–1 5.2b,4.8s 858 1-158
IDC VI 29 12 41 55.4–.33 4.61S 153.28E 0 4.9,4.9b **¶616200240**
BJI VI 29 12 42 01.7–.00 4.29S 153.33E 54 5.0b,5.0b
MOS VI 29 12 42 01.8–1.1 4.52S 153.05E 51 5.3b,4.5s
NEIC VI 29 12 42 03.7–2.4 4.57S–.02 153.03E–.06 49–1 5.5,5.5
NEIC VI 29 12 42 03.1 4.58S 153.05E 41 5.5,5.5
NEIC VI 29 12 42 04.8 4.60S 153.02E 46 5.5,5.5
NEIC VI 29 12 42 04.8 4.60S 153.02E 46 5.5,5.5
DJA VI 29 12 42 07.1–.60 5S–3.0 153E–4.0 79–6 6.1,5.7b
GCMT VI 29 12 42 07.7–.10 4.69S–.01 152.96E–.01 57–0 5.4W,5.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; Mrr2.07 Mθθ-0.38 Mϕϕ-1.68 Mrθ-0.18 Mθϕ-0.10 Mϕr-0.68 NP1:ϕs187.72000°,δ55.25000°,λ93.21000°. NP2:ϕs2.10000°,δ34.88000° ,λ85.38000°. Principal axes: T 2.1972,Plg79.0000°,Azm110.0000°; N -0.3818,Plg3.0000° ,Azm6.0000°; P -1.8154,Plg10.0000°,Azm275.0000° M0 2.03000×10^{17}
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2s7 Moment tensor: Scale 10^{17}Nm; Mrr1.80 Mθθ0.40 Mϕϕ-2.20 Mrθ-0.33 Mθϕ-0.21 Mϕr-0.61 NP1:ϕs194.13000°,δ54.52000° ,λ102.25000°. NP2:ϕs353.62000°,δ37.27000°,λ73.42000°. Principal axes: T 1.9432,Plg77.0000°,Azm145.0000°; N 0.3713,Plg10.0000°,Azm7.0000° ; P -2.3145,Plg9.0000°,Azm275.0000° M0 2.13000×10^{17}
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s140,c230; s136,c269;Duration: 1s3
Moment tensor: Scale 10^{17}Nm; Mrr1.26±.02 Mθθ0.76±.02; Mϕϕ-2.01±.02; Mrθ-0.26±.02; Mθϕ-0.36±.02; Mϕr-0.63±.02; Best double couple: NP1:ϕs201.00000°,δ58.00000°,λ108.00000°. NP2:ϕs350.00000°,δ37.00000°,λ64.00000°. Principal axes: T 1.4360,Plg71.0000°

,Azm154.0000°; N 0.7570,Plg15.0000°,Azm11.0000°; P -2.1840,Plg11.0000°,Azm278.0000° $M_0$1.81000×10[17]

(191) North of Solomon Islands.

IDC I 10 05 45 13.8–2.2 3.50S 154.26E 0 3.5,3.5b ¶610237053
IDC Error ellipse: s-maj=82.9km s-min=28.0km az=116.0.

(192) New Britain region.

ISC I 01 02 24 14.0–1.1 6.51S–.08 153.8E–.10 35 3.9b,3.2s 14 3-152
IDC I 01 02 24 07.8–1.6 6.69S 153.89E 0 3.9,3.8b ¶610236346
ISC Event type ke.
IDC Error ellipse: s-maj=41.4km s-min=21.0km az=117.0.
ISC I 01 16 06 34.3–1.7 6.7S–.10 152.4E–.30 35 3.3b 8 2-150
IDC I 01 16 06 35.5–7.3 6.48S 152.05E 33–51 3.3,3.1b ¶610236398
ISC Event type ke.
IDC Error ellipse: s-maj=66.5km s-min=22.4km az=117.0.
ISC I 01 21 33 18.2–1.2 4.9S–.10 152.2E–.20 100 3.6b 16 1-150
IDC I 01 21 33 17.6–1.6 4.92S 152.21E 91–6 3.9,3.5b ¶610236420
ISC Event type ke.
IDC Error ellipse: s-maj=39.9km s-min=13.0km az=115.0.
ISC I 01 22 09 32.5–1.6 5.9S–.10 152.3E–.20 38 3.6b 8 2-150
IDC I 01 22 09 26.0–1.9 5.98S 152.52E 0 3.9,3.7b ¶610236423
ISC Event type ke.
IDC Error ellipse: s-maj=57.7km s-min=22.3km az=113.0.
IDC I 02 14 44 00.3–1.3 4.08S 151.48E 0 3.2,3.2b ¶610236475
IDC Error ellipse: s-maj=31.8km s-min=16.0km az=11.0.
ISC I 02 23 16 34.5–2.1 6.2S–.20 153.7E–.40 50 3.4b 7 2-152
IDC I 02 23 16 26.0–2.5 6.23S 154.07E 0 3.5,3.5b ¶610236518
ISC Event type ke.
IDC Error ellipse: s-maj=71.1km s-min=30.4km az=102.0.
IDC I 02 23 47 19.3–4.1 5.15S 152.93E 0 3.3,3.2b ¶610236520
IDC Error ellipse: s-maj=145.0km s-min=46.4km az=116.0.
IDC I 03 00 24 28.8–4.9 6.44S 149.19E 88–44 3.6,3.1b ¶610236521
IDC Error ellipse: s-maj=108.2km s-min=34.5km az=127.0.
IDC I 03 07 52 29.8–1.4 4.98S 151.01E 0 3.3,3.1b ¶610236543
IDC Error ellipse: s-maj=102.0km s-min=16.7km az=142.0.
IDC I 03 08 30 05.3–8.0 6.41S 149.95E 0 3.3,3.2b ¶610236545
IDC Error ellipse: s-maj=243.6km s-min=38.9km az=107.0.
ISC I 03 20 09 14.4–1.8 6.69S–.09 153.6E–.20 29 3.7b 9 3-83
IDC I 03 20 09 08.6–3.1 6.83S 153.85E 0 3.6,3.5b ¶610236580
ISC Event type ke.
IDC Error ellipse: s-maj=71.5km s-min=28.0km az=106.0.
ISC I 03 23 42 35.1–.77 6.04S–.08 153.94E–.08 10 4.1b 23 3-152
IDC I 03 23 42 34.5–1.1 5.99S 153.92E 0 4.6s,3.8 ¶610236626
NEIC I 03 23 42 34.3–2.7 6.09S–.08 154.03E–.05 10–1 4.4b,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 04 03 10 25.0–.41 6.04S–.05 153.80E–.06 10 5.0b,4.9s 131 2-149
IDC I 04 03 10 22.4–.86 6.05S 153.84E 0 4.7s,4.4 ¶609975355
NEIC I 04 03 10 25.5–1.8 6.02S–.08 153.7E–.10 10–1 5.1b,4.4
DJA I 04 03 10 32.5–.50 6S–3.0 153E–5.0 66–5 5.2b,5.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 04 07 03 11.1–1.9 7.3S–.30 150.7E–.30 35 6 3-85
IDC I 04 07 03 05.1–2.3 7.52S 151.13E 0 3.7,3.5b ¶610236677
ISC Event type ke.
IDC Error ellipse: s-maj=107.8km s-min=29.8km az=133.0.
ISC I 07 15 33 43.0–.52 4.47S–.07 151.61E–.05 35 4.3b,3.6s 57 0-122
NEIC I 07 15 33 42.3–2.5 4.5S–.10 151.55E–.08 40–10 4.5b,3.6s ¶610236907
IDC I 07 15 33 42.3–1.2 4.64S 151.71E 33–12 4.2,3.9b
DJA I 07 15 33 43.5–.40 4S–4.0 152E–6.0 44–7 5.0b,4.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 08 21 03 12.1–1.3 7.3S–.10 151.2E–.20 40 3.7b 12 3-85
IDC I 08 21 03 06.9–1.5 7.21S 151.05E 0 3.7,3.7b ¶610236982
ISC Event type ke.
IDC Error ellipse: s-maj=46.3km s-min=16.8km az=117.0.
IDC I 10 19 16 18.8–5.1 4.15S 151.37E 0 3.4,3.3b ¶610237097
IDC Error ellipse: s-maj=154.6km s-min=38.7km az=106.0.
IDC I 11 03 53 07.5–1.4 5.43S 150.81E 0 3.3,3.2b ¶610237124
IDC Error ellipse: s-maj=107.6km s-min=19.1km az=136.0.
ISC I 11 18 35 40.1–.33 5.88S–.03 148.93E–.04 124–3 5.0b 590 3-153
BJI I 11 18 35 36.9–.00 6.28S 148.80E 130 5.2b,4.8b ¶610056574
IDC I 11 18 35 39.4–.58 5.85S 148.90E 116–5 5.0,4.5b
NEIC I 11 18 35 40.1–1.4 5.82S–.07 148.92E–.08 122–7 4.9b,4.5b
GCMT I 11 18 35 42.2–.20 5.99S–.01 149.02E–.01 120–1 5.2W,4.5b
DJA I 11 18 35 42.1–.40 6S–3.0 149E–3.0 150–4 5.5b,5.3
KLM I 11 18 35 49 5.76S 148.46E 192 5.4b,5.3
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s6.04472°,δ48.44001°,λ167.53032°. NP2: ϕ_s104.39075°,δ80.70215°,λ42.23986°. Principal axes: T Plg35.6860°,Azm334.2609° ; N Plg46.9376°,Azm114.4800°; P Plg20.7844°,Azm228.4422°
IDC Error ellipse: s-maj=9.4km s-min=7.0km az=109.0.
NEIC Event type se. Error ellipse: s-maj=12.9km s-min=8.0km az=129.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s72,c96; s117,c192;Duration: 0 Moment tensor: Scale 10[16]Nm; M_{rr}2.33±.14 $M_{\theta\theta}$-2.70±.16; $M_{\phi\phi}$0.37±.15; $M_{r\theta}$4.83±.10; $M_{\theta\phi}$4.13±.14; $M_{\phi r}$1.13±.10; Best double couple: NP1:ϕ_s88.00000°,δ77.00000°,λ51.00000°. NP2:ϕ_s342.00000°,δ41.00000°,λ160.00000°. Principal axes: T 6.9120,Plg44.0000° ,Azm320.0000°; N 0.0450,Plg38.0000°,Azm98.0000°; P -6.9570,Plg22.0000°,Azm206.0000° $M_0$6.93500×10[16]
IDC I 11 20 00 40.5–4.8 4.45S 150.61E 0 3.0,3.0b ¶610237189
IDC Error ellipse: s-maj=201.9km s-min=55.0km az=114.0.
ISC I 11 21 16 39.7–.72 6.13S–.08 153.78E–.07 48 3.6b 15 3-152
IDC I 11 21 16 40.8–1.6 6.17S 153.77E 62–14 3.8,3.4b ¶610237198
ISC Event type ke.
IDC Error ellipse: s-maj=17.1km s-min=11.8km az=47.0.
ISC I 12 09 48 07.5–1.0 6.0S–.10 154.0E–.10 48 3.7b 12 3-152
IDC I 12 09 48 00.7–1.4 6.09S 154.11E 0 3.9,3.9b ¶610237233
ISC Event type ke.
IDC Error ellipse: s-maj=34.9km s-min=21.4km az=100.0.
IDC I 12 23 27 30.1–3.0 6.59S 150.45E 0 3.3,3.2b ¶610237264
IDC Error ellipse: s-maj=186.3km s-min=39.9km az=130.0.
ISC I 13 23 13 15.0–1.3 5.7S–.10 151.7E–.20 10 3.8b 9 1-93
IDC I 13 23 13 22.5–1.6 5.46S 151.38E 72–14 3.8,3.4b ¶610237317
ISC Event type ke.
IDC Error ellipse: s-maj=65.7km s-min=13.8km az=126.0.
ISC I 15 17 38 31.0–1.4 5.80S–.09 152.8E–.20 33 3.5b 12 2-85
IDC I 15 17 38 25.6–1.5 5.79S 152.87E 0 3.6,3.6b ¶610237450
ISC Event type ke.
IDC Error ellipse: s-maj=37.9km s-min=19.8km az=104.0.
ISC I 17 05 39 37.9–2.4 6.0S–.20 153.4E–.30 32 3.5b 6 2-82
IDC I 17 05 39 32.7–2.6 5.99S 153.45E 0 3.6,3.6b ¶610237571
ISC Event type ke.
IDC Error ellipse: s-maj=58.2km s-min=25.9km az=91.0.
ISC I 17 14 42 20.4–.70 6.18S–.07 153.45E–.07 32 3.9b 26 2-83
NEIC I 17 14 42 17.7–.73 6.18S–.05 153.56E–.06 10–1 4.0b ¶610237604
IDC I 17 14 42 22.6–1.6 6.11S 153.50E 57–15 3.8,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.0km s-min=6.9km az=129.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=22.0km s-min=12.0km az=51.0.
ISC I 20 16 03 49.7–.84 5.4S–.20 150.0E–.20 150 4.1b 22 2-85
NEIC I 20 16 03 51.1–1.4 5.5S–.30 150.1E–.20 181–14 4.1b ¶610234947
IDC I 20 16 03 51.1–1.6 5.57S 150.14E 174–21 3.9,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=50.4km s-min=5.9km az=137.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=64.4km s-min=15.8km az=127.0.
ISC I 21 01 52 32.0–.53 5.27S–.04 152.26E–.05 43–4 5.2b,3.7s 497 1-157
BJI I 21 01 52 28.5–.00 5.22S 152.42E 31 5.1b,5.1b ¶610104699
NEIC I 21 01 52 32.7–1.9 5.40S–.06 152.28E–.09 43–4 5.2b,5.1b
MOS I 21 01 52 32.3–.99 5.16S 152.18E 52 5.3b,5.1b
IDC I 21 01 52 34.5–.92 5.24S 152.27E 62–6 4.8,4.5b
DJA I 21 01 52 43.8–1.0 5S–4.0 152E–8.0 137–7 5.7,5.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 21 13 51 25.4–1.3 6.0S–.20 151.4E–.30 50 3.6b 9 2-149
IDC I 21 13 51 27.5–1.8 5.72S 151.05E 74–17 3.8,3.5b ¶610235000
ISC Event type ke.
IDC Error ellipse: s-maj=98.0km s-min=13.6km az=129.0.
ISC I 21 20 03 56.5–.30 4.25S–.05 152.81E–.05 35 4.8b,3.8s 190 1-158
NEIC I 21 20 03 55.4–2.2 4.25S–.08 152.79E–.06 25–4 4.9b,3.8s ¶610105042
IDC I 21 20 03 56.4–1.8 4.24S 152.76E 35–13 4.4,4.2b
DJA I 21 20 03 57.2–.40 4S–4.0 153E–4.0 51–5 5.7,5.4b
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s200.79935°,δ72.51457°,λ123.03320°. NP2: ϕ_s315.60037°,δ36.90643°,λ30.02295°. Principal axes: T Plg51.0664°,Azm148.6338° ; N Plg31.3280°,Azm9.7447°; P Plg20.6682°,Azm266.4703° Moment Tensor Solution. NP1: ϕ_s225.24025°,δ89.86480°,λ-177.87526°. NP2:ϕ_s135.23523°,δ87.87527°,λ-0.13529°. Principal axes: T Plg1.4066°,Azm0.2181°; N Plg87.8710°,Azm228.8795°; P Plg1.5979° ,Azm90.2574°
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC I 21 20 05 54.0–9.2 6.18S 150.57E 0 3.9,3.8b ¶610235015
IDC Error ellipse: s-maj=285.6km s-min=38.6km az=107.0.
ISC I 21 21 44 42.1–.45 5.59S–.05 151.91E–.08 45 4.4b,3.9s 91 1-151
DJA I 21 21 44 43.8–.40 6S–3.0 152E–5.0 63–6 5.1,4.9 ¶610235024
NEIC I 21 21 44 43.5–1.3 5.54S–.07 151.9E–.10 55–3 4.5b,4.9
IDC I 21 21 44 43.2–1.2 5.54S 151.77E 57–9 4.3,4.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.3km s-min=7.7km az=110.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=18.0km s-min=7.8km az=118.0.
ISC I 21 22 08 18.4–.73 4.5S–.10 152.7E–.10 100 4.1b 33 1-150
IDC I 21 22 08 18.0–1.3 4.39S 152.69E 93–9 3.8,3.4b ¶610235028
NEIC I 21 22 08 18.7–1.2 4.4S–.10 152.7E–.10 96–7 4.2b,3.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC I 22 00 53 31.3–1.1 4.82S 150.94E 0 3.6,3.6b ¶610235041
IDC Error ellipse: s-maj=41.9km s-min=16.5km az=146.0.
ISC I 22 04 44 52.8–.36 6.76S–.05 153.53E–.07 10 5.4b 198 3-149
BJI I 22 04 44 51.0–.00 6.82S 153.74E 17 5.3b ¶610105063
IDC I 22 04 44 51.4–.55 6.75S 153.56E 0 5.2,5.1b
MOS I 22 04 44 51.4–.92 6.76S 153.60E 14 5.5b,5.1b
NEIC I 22 04 44 52.8–2.0 6.74S–.06 153.60E–.09 10–1 5.6b,5.1b
DJA I 22 04 44 56.8–1.0 7S–6.0 154E–10 43–9 6.2,6.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 22 08 07 03.6–.80 6.39S–.10 151.9E–.20 37 3.7b 23 2-150
IDC I 22 08 06 58.0–1.2 6.33S 152.08E 0 3.8,3.7b ¶610235090
NEIC I 22 08 07 00.4–.72 6.42S–.10 152.0E–.20 10–2 4.1b,3.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC I 22 09 48 14.0–2.2 6.15S 152.86E 0 3.3,3.2b ¶610235096
IDC Error ellipse: s-maj=61.7km s-min=27.1km az=109.0.
IDC I 22 10 31 02.4–1.9 5.43S 152.72E 0 3.3,3.3b ¶610235100
IDC Error ellipse: s-maj=40.1km s-min=21.8km az=91.0.
ISC I 22 12 13 51.9–1.0 5.8S–.10 151.7E–.20 50 4.0b 32 2-150
IDC I 22 12 13 48.5–3.8 6.13S 152.22E 47–27 3.9s,3.7 ¶610235107
NEIC I 22 12 13 54.0–1.1 5.5S–.20 151.4E–.20 63–10 4.4b,3.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 22 17 58 00.1–2.0 6.45S–.10 153.7E–.20 35 3.5b 7 3-82
IDC I 22 17 57 52.9–2.6 6.64S 153.95E 0 4.0s,3.6 ¶610235126
ISC Event type ke.
IDC Error ellipse: s-maj=55.5km s-min=26.0km az=110.0.
ISC I 22 20 27 11.0–.60 4.74S–.06 152.62E–.09 58 4.3b 61 1-151
IDC I 22 20 27 10.1–1.7 4.79S 152.61E 51–12 4.0,3.8b ¶610235138
NEIC I 22 20 27 13.1–1.5 4.6S–.10 152.5E–.20 73–10 4.5b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 22 20 52 28.0–1.8 6.2S–.10 152.3E–.20 38 3.5b 7 2-84
IDC I 22 20 52 22.7–1.8 6.11S 152.39E 0 3.6,3.5b ¶610235139
ISC Event type ke.
IDC Error ellipse: s-maj=50.6km s-min=19.7km az=110.0.
ISC I 22 22 26 48.9–.33 6.10S–.05 153.92E–.06 48 4.9b,4.0s 152 3-152
IDC I 22 22 26 41.5–.56 6.11S 154.11E 0 4.5,4.5b ¶610105261
BJI I 22 22 26 43.9–.00 5.49S 153.99E 7 5.3b,5.1b
DJA I 22 22 26 48.7–1.3 6S–5.0 154E–10 42–9 5.7b,5.3
NEIC I 22 22 26 50.2–1.5 6.05S–.07 153.77E–.08 51–7 4.9b,5.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 23 00 44 23.4–.91 5.57S–.08 152.6E–.10 10 4.1b 18 1-150
IDC I 23 00 44 19.9–1.2 5.58S 152.80E 0 3.8,3.8b ¶610235148
NEIC I 23 00 44 24.3–1.1 5.5S–.10 152.7E–.10 13–6 4.3b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC I 23 02 46 36.4–5.8 5.89S 148.93E 198–39 3.6,3.0b ¶610235153
IDC Error ellipse: s-maj=122.1km s-min=54.7km az=118.0.
ISC I 23 04 33 10.5–.61 6.02S–.08 150.95E–.10 43 4.3b 53 2-151
NEIC I 23 04 33 05.9–2.6 6.05S–.06 150.95E–.09 10–1 4.5b ¶610235158
IDC I 23 04 33 12.0–2.3 5.85S 150.90E 54–20 4.1,3.9b
DJA I 23 04 33 12.1–.60 6S–6.0 151E–8.0 60–8 5.4b,5.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 23 04 33 38.2–.49 6.08S–.07 151.01E–.09 10 4.5b,3.6s 80 2-151
NEIC I 23 04 33 37.8–1.3 6.18S–.05 151.0E–.10 10–1 4.6b,3.6s ¶610235161
IDC I 23 04 33 39.9–3.6 5.87S 151.01E 17–21 4.3,4.2b
ISC Event type se.

NEIC Event type se. Error ellipse: s-maj=19.2km s-min=5.7km az=108.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=36.3km s-min=17.8km az=113.0.
ISC I 23 04 46 52.2–1.2 5.0S–.30 150.0E–.20 35 3.7b 7 2-148
IDC I 23 04 46 47.7–1.1 5.14S 150.09E 0 3.9,3.7b **¶610235162**
ISC Event type ke.
IDC Error ellipse: s-maj=49.2km s-min=18.7km az=138.0.
IDC I 23 06 03 35.0–3.9 6.16S 151.33E 0 3.4,3.3b
¶610235168
IDC Error ellipse: s-maj=150.7km s-min=52.6km az=120.0.
ISC I 23 07 03 48.3–1.3 4.3S–.30 152.8E–.10 55 3.6b 7 1-150
IDC I 23 07 03 41.1–1.4 4.34S 152.99E 0 3.7,3.7b **¶610235171**
ISC Event type ke.
IDC Error ellipse: s-maj=37.5km s-min=21.8km az=165.0.
ISC I 23 07 14 34.4–.73 5.65S–.06 152.6E–.10 40 4.4b,3.3s 39 1-150
IDC I 23 07 14 34.4–5.8 5.65S 152.35E 33–39 4.2,4.0b **¶610235174**
NEIC I 23 07 14 34.1–1.2 5.63S–.05 152.5E–.10 28–8 4.5b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 23 10 50 49.1–1.1 5.53S–.08 152.6E–.20 40 3.8b,3.2s 11 1-150
IDC I 23 10 50 42.9–1.2 5.58S 152.60E 0 3.9b,3.8 **¶610235184**
ISC Event type ke.
IDC Error ellipse: s-maj=37.0km s-min=19.6km az=101.0.
ISC I 23 11 27 17.0–.77 6.75S–.08 152.0E–.10 37 4.1b 21 2-150
IDC I 23 11 27 12.2–1.7 6.62S 152.06E 0 4.1,3.9b **¶610235188**
NEIC I 23 11 27 16.8–2.6 6.82S–.10 152.0E–.10 26–8 4.4b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC I 23 12 42 15.5–2.0 5.60S 152.87E 0 3.4,3.4b
¶610235194
IDC Error ellipse: s-maj=42.8km s-min=22.4km az=91.0.
IDC I 23 13 37 48.7–1.8 5.58S 152.79E 0 3.7,3.6b
¶610235198
IDC Error ellipse: s-maj=37.9km s-min=20.9km az=98.0.
ISC I 23 15 24 07.1–1.2 6.3S–.10 150.5E–.20 33 3.8b 8 5-84
IDC I 23 15 24 19.7–3.6 6.28S 150.34E 154–32 3.9,3.3s **¶610235205**
ISC Event type ke.
IDC Error ellipse: s-maj=43.8km s-min=23.9km az=113.0.
ISC I 23 20 03 54.6–1.4 6.5S–.10 153.6E–.20 29 3.4b 7 3-152
IDC I 23 20 03 49.5–1.8 6.60S 153.78E 0 3.4,3.3b **¶610235216**
ISC Event type ke.
IDC Error ellipse: s-maj=52.8km s-min=28.2km az=114.0.
ISC I 24 00 14 36.5–1.6 5.9S–.10 152.8E–.30 35 3.2b 6 2-83
IDC I 24 00 14 40.4–5.0 5.76S 152.57E 66–39 3.7s,3.3 **¶610235231**
ISC Event type ke.
IDC Error ellipse: s-maj=60.1km s-min=21.7km az=108.0.
ISC I 24 03 47 06.4–.34 6.05S–.04 148.93E–.05 60 5.0b,3.1s 139 4-153
NEIC I 24 03 47 08.9–1.6 6.06S–.06 148.92E–.07 78–6 5.1b,3.1s **¶610105952**
IDC I 24 03 47 08.2–1.2 5.90S 148.90E 90–10 4.6,4.2b
DJA I 24 03 47 09.7–.40 6S–4.0 149E–5.0 100–6 5.7,5.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC I 24 15 42 10.8–7.9 6.20S 153.26E 55–53 3.3,3.2L
¶610235270
IDC Error ellipse: s-maj=92.4km s-min=30.8km az=88.0.
ISC I 25 12 56 12.8–.81 4.89S–.08 152.2E–.10 70 4.3b 23 1-150
NEIC I 25 12 56 11.6–.68 5.02S–.05 152.4E–.20 53–11 4.5b **¶610235326**
IDC I 25 12 56 13.1–1.0 4.77S 152.04E 71–11 4.1,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=24.1km s-min=5.0km az=103.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=33.9km s-min=14.6km az=127.0.
IDC I 26 00 20 33.2–5.4 6.51S 153.89E 0 3.5,3.5b
¶610235353
IDC Error ellipse: s-maj=187.7km s-min=38.9km az=106.0.
ISC I 26 09 04 06.8–1.0 5.1S–.20 150.1E–.20 35 3.7b 9 2-148
IDC I 26 09 04 01.5–1.1 5.25S 150.19E 0 4.5L,3.7 **¶610235376**
ISC Event type ke.
IDC Error ellipse: s-maj=67.1km s-min=18.9km az=141.0.
ISC I 26 19 09 10.8–.00 7.0S–.20 149.8E–.10 100 8 3-148
IDC I 26 19 09 10.8–1.8 6.87S 149.76E 103–19 3.7,3.1b **¶610235408**
ISC Event type ke.
IDC Error ellipse: s-maj=45.2km s-min=14.2km az=140.0.
IDC I 27 02 40 32.6–4.1 5.73S 148.71E 0 3.6L,3.5
¶610235431
IDC Error ellipse: s-maj=120.5km s-min=44.9km az=105.0.
IDC I 27 20 26 31.6–3.5 5.71S 151.94E 0 3.4,3.3b
¶610235502
IDC Error ellipse: s-maj=125.5km s-min=18.6km az=108.0.
ISC I 27 21 05 33.9–.68 7.01S–.10 150.9E–.10 40 4.6b 73 3-149
IDC I 27 21 05 27.8–.91 6.96S 150.88E 0 4.1,4.1b **¶610235508**
NEIC I 27 21 05 32.7–1.6 7.0S–.20 150.9E–.20 25–9 4.7b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 28 04 14 39.3–.44 5.61S–.03 151.83E–.04 45–3 5.2b,4.8s 766 1-157
BJI I 28 04 14 35.1–.00 5.50S 152.03E 32 5.3b,5.0b **¶610145110**
NEIC I 28 04 14 35.5–1.7 5.63S–.06 151.77E–.09 10–1 5.3b,5.0b
MOS I 28 04 14 37.5–1.0 5.43S 151.68E 35 5.4b,5.1s
IDC I 28 04 14 39.2–1.2 5.52S 151.78E 45–11 4.8,4.7s
DJA I 28 04 14 41.2–.40 6S–3.0 152E–4.0 71–4 6.0,5.6b
GCMT I 28 04 14 41.5–.10 5.75S–.01 151.78E–.01 28–0 5.4W,5.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s128,c208; s112,c188;Duration: 1.2
Moment tensor: Scale 10^{17}Nm; M_{rr}1.03±.03 $M_{\theta\theta}$-0.95±.02; $M_{\phi\phi}$-0.08±.02; $M_{r\theta}$0.90±.04; $M_{\theta\phi}$-0.49±.02; $M_{\phi r}$0.33±.04; Best double couple: NP1:ϕ_s69.00000°,δ65.00000°,λ93.00000°. NP2:ϕ_s242.00000°,δ25.00000°,λ84.00000°. Principal axes: T 1.3870,Plg69.0000° ,Azm344.0000°; N 0.1300,Plg3.0000°,Azm248.0000°; P -1.5220,Plg20.0000°,Azm157.0000° $M_0$1.45500×10^{17}
IDC I 28 08 04 58.9–3.2 5.82S 152.10E 0 3.8,3.7b
¶610235546
IDC Error ellipse: s-maj=93.6km s-min=13.5km az=100.0.
ISC I 28 09 24 58.4–.39 5.58S–.03 151.87E–.04 61–3 5.2b 736 1-157
NEIC I 28 09 24 55.2–2.5 5.60S–.06 151.84E–.08 27–3 5.3b,5.2 **¶610180920**
BJI I 28 09 24 56.8–.00 5.44S 152.18E 76 5.2b,5.1b
MOS I 28 09 24 57.8–.89 5.28S 151.56E 55 5.4b,5.0s
DJA I 28 09 24 58.5–.50 6S–3.0 152E–4.0 64–4 5.9,5.5b
IDC I 28 09 24 58.5–1.3 5.46S 151.72E 58–11 4.8,4.5s
GCMT I 28 09 24 59.2–.10 5.74S–.01 151.77E–.01 30–0 5.3W,4.5s
NEIC I 28 09 25 01.5 5.67S 151.75E 30 5.3W,4.5s
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.3km s-min=7.4km az=114.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=10.3km s-min=6.4km az=107.6.
IDC Error ellipse: s-maj=12.8km s-min=8.1km az=116.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s105,c174; s107,c178;Duration: 1.1
Moment tensor: Scale 10^{17}Nm; M_{rr}0.73±.02 $M_{\theta\theta}$-0.82±.01; $M_{\phi\phi}$0.08±.01; $M_{r\theta}$0.59±.02; $M_{\theta\phi}$-0.29±.01; $M_{\phi r}$-0.02±.03; Best double couple: NP1:ϕ_s86.00000°,δ64.00000°,λ103.00000°. NP2:ϕ_s239.00000°,δ29.00000°,λ66.00000°. Principal axes: T 0.9470,Plg69.0000° ,Azm22.0000°; N 0.1320,Plg12.0000°,Azm260.0000°; P -1.0790,Plg18.0000°,Azm167.0000° $M_0$1.01300×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 2.1 Moment tensor: Scale 10^{16}Nm; M_{rr}6.83 $M_{\theta\theta}$-7.68 $M_{\phi\phi}$0.85 $M_{r\theta}$3.69 $M_{\theta\phi}$-2.25 $M_{\phi r}$-0.44 NP1:ϕ_s86.73000°,δ58.35000° ,λ102.53000°. NP2:ϕ_s243.78000°,δ33.80000°,λ70.61000°. Principal axes: T 7.8503,Plg73.0000°,Azm29.0000°; N 1.1634,Plg11.0000°,Azm260.0000° ; P -9.0137,Plg13.0000°,Azm168.0000° $M_0$8.43000×10^{16}
IDC I 28 09 32 50.0–1.9 4.03S 150.83E 0 3.3,3.3b
¶610235548
IDC Error ellipse: s-maj=45.6km s-min=19.8km az=175.0.
ISC I 28 09 51 50.9–1.6 5.7S–.10 152.1E–.20 50 3.6b 9 1-150
IDC I 28 09 51 51.2–4.1 5.68S 152.29E 55–29 3.7,3.4b **¶610235549**
ISC Event type ke.
IDC Error ellipse: s-maj=60.7km s-min=14.2km az=106.0.
IDC I 28 09 53 55.4–2.8 5.78S 152.44E 0 3.6,3.5b
¶610235550
IDC Error ellipse: s-maj=62.5km s-min=14.3km az=91.0.
IDC I 28 11 34 48.4–3.0 5.78S 152.48E 0 3.5,3.4b
¶610235556
IDC Error ellipse: s-maj=63.4km s-min=13.8km az=90.0.
ISC I 28 12 21 15.7–.97 5.9S–.20 149.7E–.20 35 3.5b 20 3-148
IDC I 28 12 21 10.2–1.6 5.48S 149.32E 0 3.8,3.5b **¶610235558**
NEIC I 28 12 21 17.0–.76 5.9S–.10 149.7E–.20 56–12 4.0b,3.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC I 28 15 51 50.3–4.0 5.78S 151.52E 67–29 3.0,2.6b
¶610235570
IDC Error ellipse: s-maj=139.6km s-min=17.9km az=119.0.
ISC I 29 16 24 33.7–1.6 5.7S–.10 152.1E–.20 45 3.5b 10 1-150
IDC I 29 16 24 34.7–3.6 5.70S 152.02E 51–24 3.7,3.4b **¶610235660**
ISC Event type ke.
IDC Error ellipse: s-maj=57.6km s-min=10.1km az=114.0.
ISC I 29 18 32 44.5–1.7 6.1S–.20 151.8E–.30 36 3.5b 8 2-150
IDC I 29 18 32 39.0–2.1 6.24S 151.99E 0 3.6,3.5b **¶610235666**
ISC Event type ke.
IDC Error ellipse: s-maj=82.4km s-min=21.9km az=118.0.
IDC I 29 22 07 07.3–3.2 6.53S 148.27E 100–51 3.7,3.2s
¶610235675
IDC Error ellipse: s-maj=98.4km s-min=18.6km az=125.0.
ISC I 30 06 01 15.9–.26 5.51S–.04 151.78E–.04 50 5.0b,4.2s 428 1-157
GCMT I 30 06 01 10.8–.30 5.79S–.02 152.28E–.03 51–1 5.2W,4.2s **¶610147727**
BJI I 30 06 01 12.1–.00 5.75S 152.04E 55 5.1b,4.8b
MOS I 30 06 01 15.8–.84 5.42S 151.64E 58 5.2b,4.8b
NEIC I 30 06 01 16.8–1.9 5.47S–.06 151.76E–.08 49–5 5.0b,4.8b
DJA I 30 06 01 16.4–.30 6S–3.0 152E–4.0 66–4 5.5,5.3b
IDC I 30 06 01 17.1–.90 5.55S 151.78E 66–7 4.7,4.3b
ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s42,c48; s60,c71;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-1.03±.29 $M_{\theta\theta}$-3.58±.18; $M_{\phi\phi}$4.61±.24; $M_{r\theta}$1.29±.14; $M_{\theta\phi}$-5.52±.28; $M_{\phi r}$0.22±.19; Best double couple: NP1:ϕ_s289.00000°,δ83.00000°,λ-169.00000°. NP2:ϕ_s198.00000°,δ79.00000°,λ-7.00000°. Principal axes: T 7.4060,Plg3.0000° ,Azm63.0000°; N -0.7670,Plg77.0000°,Azm322.0000°; P -6.6380,Plg13.0000° ,Azm154.0000° $M_0$7.02200×10^{16}
MOS Error ellipse: s-maj=10.0km s-min=8.0km az=101.6.
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=7.8km az=105.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=13.1km s-min=8.1km az=109.0.
IDC I 30 07 32 25.4–4.5 5.70S 151.89E 0 3.5s,3.1
¶610235704
IDC Error ellipse: s-maj=147.3km s-min=14.4km az=107.0.
IDC I 30 16 40 07.5–1.4 5.21S 151.08E 0 3.2,3.1b
¶610235747
IDC Error ellipse: s-maj=121.2km s-min=17.5km az=136.0.
ISC I 30 19 25 45.5–.69 5.8S–.10 150.2E–.10 50 3.8b,3.6s 27 2-148
NEIC I 30 19 25 45.8–.45 5.6S–.20 150.14E–.09 51–11 4.2b,3.6s **¶610235755**
IDC I 30 19 25 45.0–2.1 6.47S 151.02E 58–16 4.0,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=24.5km s-min=7.3km az=155.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=59.2km s-min=12.1km az=123.0.
ISC I 30 22 03 26.5–.57 5.12S–.06 152.99E–.08 43 4.3b,3.0s 41 1-151
IDC I 30 22 03 27.6–2.3 5.20S 152.89E 47–18 4.0,3.7b **¶610235763**
NEIC I 30 22 03 27.3–1.4 5.07S–.07 153.00E–.08 52–6 4.3b,3.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 31 10 31 33.3–.53 5.75S–.06 152.10E–.08 45 4.3b,3.1s 44 1-150
NEIC I 31 10 31 32.0–2.3 5.80S–.07 152.2E–.10 22–6 4.4b,3.1s **¶610235813**
IDC I 31 10 31 36.9–1.7 5.47S 151.68E 67–10 4.1,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.6km s-min=8.7km az=106.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=44.2km s-min=9.9km az=122.0.
IDC I 31 12 46 27.9–1.6 4.08S 151.85E 0 3.2,3.2b
¶610235821
IDC Error ellipse: s-maj=31.9km s-min=14.9km az=43.0.
ISC II 01 03 31 11.3–1.2 6.3S–.40 149.9E–.40 43 7 3-148
IDC II 01 03 31 12.1–2.5 6.37S 149.95E 57–24 3.9,3.5s **¶610414585**
ISC Event type ke.
IDC Error ellipse: s-maj=67.4km s-min=17.2km az=131.0.
ISC II 02 06 19 29.9–1.9 4.9S–.30 152.0E–.50 150 3.5b 8 1-150
IDC II 02 06 19 29.5–1.5 4.95S 151.93E 140–7 3.7,3.3b **¶610414653**
ISC Event type ke.
IDC Error ellipse: s-maj=70.1km s-min=20.2km az=114.0.
ISC II 02 21 37 50.8–1.2 5.47S–.09 152.4E–.20 40 4.3b 38 1-85
IDC II 02 21 37 44.0–1.8 5.56S 152.69E 0 3.8,3.8b **¶610414698**
NEIC II 02 21 37 50.8–1.5 5.49S–.08 152.5E–.20 35–1 4.3b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 03 12 38 59.8–.32 5.08S–.05 151.74E–.05 100 4.7b 215 1-157
IDC II 03 12 39 00.0–.49 5.04S 151.79E 105–4 4.6,4.2b **¶610189541**
DJA II 03 12 39 00.7–.30 5S–3.0 152E–6.0 108–4 5.3b,5.0
NEIC II 03 12 39 00.9–1.6 5.11S–.05 151.82E–.06 107–6 4.7b,5.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 03 14 49 30.5–.48 5.79S–.07 151.37E–.09 50 4.2b 56 2-151
IDC II 03 14 49 32.1–1.0 5.78S 151.35E 66–9 4.1,3.8b **¶610414746**
NEIC II 03 14 49 32.8–1.5 5.80S–.08 151.4E–.10 69–7 4.3b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 04 09 45 02.4–1.2 6.33S–.09 154.0E–.10 48 3.5b 11 3-152
IDC II 04 09 44 55.5–1.4 6.32S 154.08E 0 3.7,3.6b **¶610414803**
ISC Event type ke.
IDC Error ellipse: s-maj=36.4km s-min=23.1km az=117.0.
ISC II 04 13 54 31.3–.61 6.37S–.10 149.4E–.10 49 4.0b,3.2s 30 3-152
IDC II 04 13 54 32.4–2.2 6.40S 149.42E 59–21 4.2L,3.9 **¶610414822**
NEIC II 04 13 54 33.3–1.4 6.4S–.10 149.5E–.10 63–12 4.2b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 04 19 17 40.2–1.2 5.72S–.08 152.4E–.20 40 4.0b 26 1-150
IDC II 04 19 17 34.3–1.6 5.72S 152.50E 0 3.8,3.7b **¶610414837**
NEIC II 04 19 17 36.1–1.2 5.75S–.06 152.54E–.07 10–1 4.2b,3.7b
ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 06 06 27 25.6–.97 5.41S–.08 152.1E–.10 45 3.5b 8 1-150
IDC II 06 06 27 26.5–1.7 5.39S 152.14E 64–18 3.5,3.3b ¶610414937
ISC Event type ke.
IDC Error ellipse: s-maj=29.3km s-min=19.3km az=100.0.
ISC II 06 10 25 56.3–.53 4.58S–.08 151.48E–.09 250 4.3b 69 1-149
IDC II 06 10 25 55.8–.49 4.54S 151.51E 245–4 4.2,3.6b ¶610414962
NEIC II 06 10 25 57.0–1.6 4.6S–.10 151.5E–.10 250–5 4.4b,3.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC II 06 14 44 16.8–3.1 6.10S 151.15E 43–25 3.8,3.7b
¶610414979
IDC Error ellipse: s-maj=101.3km s-min=9.8km az=126.0.
IDC II 06 18 05 15.9–1.6 5.79S 150.71E 0 3.6,3.5b
¶610414986
IDC Error ellipse: s-maj=118.6km s-min=20.0km az=132.0.
ISC II 06 21 18 09.8–.57 4.72S–.06 152.79E–.08 55 4.5b,3.4s 62 1-151
IDC II 06 21 18 08.7–3.0 4.74S 152.82E 44–23 4.3,4.0b ¶610414992
NEIC II 06 21 18 10.1–1.2 4.74S–.08 152.77E–.03 55–8 4.6b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 08 04 39 08.1–1.6 6.18S–.09 153.1E–.20 35 3.3b 7 2-151
IDC II 08 04 39 02.2–1.9 6.30S 153.27E 0 3.6,3.4b ¶610415089
ISC Event type ke.
IDC Error ellipse: s-maj=53.2km s-min=27.2km az=118.0.
IDC II 09 12 38 43.0–1.1 4.97S 151.27E 192–11 4.1,3.5b
¶610415172
IDC Error ellipse: s-maj=83.5km s-min=18.5km az=136.0.
IDC II 10 03 49 11.2–3.2 5.84S 151.09E 56–44 3.3,3.1s
¶610415212
IDC Error ellipse: s-maj=145.4km s-min=23.3km az=123.0.
ISC II 10 19 10 17.7–.37 6.13S–.05 149.78E–.06 71 4.9b 154 3-152
DJA II 10 19 10 14.8–.50 5S–3.0 149E–3.0 78–7 5.4,5.1 ¶610208109
BJI II 10 19 10 16.5–.00 6.15S 150.16E 89 5.2b,5.1s
IDC II 10 19 10 17.3–1.2 6.05S 149.71E 57–12 4.4,4.2b
NEIC II 10 19 10 17.7–1.7 6.16S–.08 149.79E–.09 71–7 5.1b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 10 22 40 45.7–1.2 4.3S–.20 152.8E–.10 55 3.9b 11 1-150
IDC II 10 22 40 38.0–2.4 4.40S 153.11E 0 3.8,3.8b ¶610415263
NEIC II 10 22 40 45.6–.55 4.2S–.10 152.88E–.10 51–11 4.0b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 11 02 01 17.7–.59 6.16S–.08 149.37E–.10 58 3.9b,3.4s 27 3-152
IDC II 11 02 01 18.1–1.4 6.20S 149.40E 65–14 4.1,3.7b ¶610415271
ISC Event type ke.
IDC Error ellipse: s-maj=23.2km s-min=8.5km az=130.0.
IDC II 11 02 37 05.9–8.2 6.02S 149.70E 69–63 3.4,3.0b
¶610415275
IDC Error ellipse: s-maj=133.1km s-min=54.3km az=124.0.
ISC II 11 06 33 59.6–1.3 5.5S–.10 148.1E–.40 167 3.5b 11 4-146
IDC II 11 06 34 01.4–3.4 5.46S 148.11E 185–36 3.8,3.2b ¶610415291
ISC Event type ke.
IDC Error ellipse: s-maj=56.7km s-min=23.7km az=114.0.
IDC II 11 12 57 57.3–4.5 5.97S 152.96E 0 3.1,3.1b
¶610415318
IDC Error ellipse: s-maj=221.1km s-min=55.3km az=123.0.
ISC II 12 09 16 58.4–.40 4.29S–.06 153.00E–.07 55 4.8b 97 1-158
NEIC II 12 09 16 55.1–2.1 4.20S–.09 153.04E–.07 25–6 4.8b ¶610208509
IDC II 12 09 16 57.5–1.4 4.33S 152.92E 43–10 4.2,4.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.5km s-min=9.7km az=168.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=14.0km s-min=10.2km az=125.0.
ISC II 12 16 17 21.7–1.1 5.5S–.30 150.1E–.30 50 3.6b 8 2-148
IDC II 12 16 17 22.3–1.4 5.87S 150.45E 54–21 3.8,3.5b ¶610415388
ISC Event type ke.
IDC Error ellipse: s-maj=114.1km s-min=9.1km az=133.0.
ISC II 12 23 42 38.9–.53 6.35S–.06 153.79E–.08 35 4.3b,3.2s 44 3-152
IDC II 12 23 42 32.9–.83 6.40S 153.89E 0 4.0,4.0b ¶610415405
NEIC II 12 23 42 39.6–1.2 6.35S–.08 153.77E–.05 35–2 4.5b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC II 13 09 49 57.9–1.9 5.02S 151.72E 56–10 3.8s,3.7
¶610415443
IDC Error ellipse: s-maj=85.6km s-min=23.2km az=127.0.
IDC II 14 06 54 08.6–2.4 5.44S 151.81E 0 3.6,3.5b
¶610415492
IDC Error ellipse: s-maj=153.2km s-min=30.3km az=126.0.
ISC II 14 13 55 28.7–.71 6.25S–.08 153.9E–.10 48 4.0b 29 3-152
IDC II 14 13 55 20.7–1.2 6.39S 154.18E 0 4.0,4.0b ¶610415506
NEIC II 14 13 55 28.8–2.2 6.23S–.09 153.90E–.03 35–2 4.2b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 14 13 56 55.7–.40 6.39S–.06 153.68E–.07 29 4.6b,3.3s 82 3-152
IDC II 14 13 56 50.5–.69 6.39S 154.04E 0 4.3,4.3b ¶610209103
NEIC II 14 13 56 57.4–1.3 6.43S–.07 153.51E–.05 36–7 4.6b,4.3b
DJA II 14 13 57 00.2–2.6 6S–4.0 153E–13 29–18 4.6b,4.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC II 14 14 49 32.7–4.0 6.13S 153.09E 0 3.1,3.1b
¶610415509
IDC Error ellipse: s-maj=129.4km s-min=32.7km az=109.0.
ISC II 14 17 24 50.7–2.0 6.3S–.30 153.8E–.30 48 3.7b 8 7-152
IDC II 14 17 24 42.7–3.3 6.34S 154.15E 0 3.7,3.6b ¶610415516
ISC Event type ke.
IDC Error ellipse: s-maj=104.1km s-min=27.2km az=115.0.
IDC II 14 19 18 57.7–2.0 5.60S 151.53E 0 3.6,3.5b
¶610415522
IDC Error ellipse: s-maj=125.6km s-min=24.7km az=128.0.
IDC II 14 23 12 20.5–2.3 4.74S 151.96E 0 3.3,3.3b
¶610415534
IDC Error ellipse: s-maj=163.1km s-min=29.6km az=126.0.
ISC II 15 20 54 07.3–1.6 5.0S–.30 152.3E–.40 55 3.7b 6 9-96
IDC II 15 20 53 59.7–1.7 4.89S 152.42E 0 3.8s,3.8 ¶610415583
ISC Event type ke.
IDC Error ellipse: s-maj=71.1km s-min=24.1km az=122.0.
IDC II 15 21 27 14.7–6.6 6.23S 152.84E 0 3.4,3.4b
¶610415586
IDC Error ellipse: s-maj=201.7km s-min=31.5km az=108.0.
IDC II 16 01 47 21.4–4.6 6.17S 149.76E 301–28 3.4,2.7b
¶610415602
IDC Error ellipse: s-maj=143.5km s-min=45.1km az=123.0.
IDC II 16 06 07 02.3–4.4 6.11S 148.54E 0 3.6L,3.5
¶610415615
IDC Error ellipse: s-maj=141.7km s-min=45.0km az=106.0.
IDC II 16 08 23 31.9–1.9 5.84S 151.90E 0 4.0,4.0b
¶610415619
IDC Error ellipse: s-maj=114.3km s-min=25.9km az=128.0.
ISC II 17 06 18 45.0–1.1 6.5S–.20 154.0E–.20 48 3.9b 13 7-152
IDC II 17 06 18 44.7–5.9 6.46S 153.93E 44–51 3.9,3.6b ¶610415667
ISC Event type ke.
IDC Error ellipse: s-maj=41.0km s-min=27.2km az=101.0.
IDC II 17 09 02 44.3–4.0 4.26S 151.57E 0 3.5,3.4b
¶610415677
IDC Error ellipse: s-maj=172.3km s-min=51.3km az=118.0.
IDC II 18 07 48 12.7–3.9 4.56S 151.81E 0 4.0,3.9b
¶610415748
IDC Error ellipse: s-maj=150.1km s-min=51.6km az=118.0.
ISC II 18 18 46 49.6–.73 5.59S–.09 148.6E–.10 50 4.1b 24 4-147
NEIC II 18 18 46 49.9–2.3 5.64S–.09 148.6E–.10 48–8 4.3b ¶610415773
IDC II 18 18 46 53.1–4.9 5.69S 148.51E 87–49 3.9L,3.8
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.9km s-min=10.9km az=121.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=69.5km s-min=30.1km az=125.0.
ISC II 18 21 45 46.3–2.9 6.1S–.30 153.6E–.70 32 3.6b 7 23-151
IDC II 18 21 45 41.6–3.1 6.00S 153.49E 0 3.6,3.6b ¶610415781
ISC Event type ke.
IDC Error ellipse: s-maj=109.6km s-min=29.7km az=108.0.
ISC II 19 03 51 06.1–1.2 7.2S–.30 149.4E–.30 42 3.7b,3.1s 14 3-148
IDC II 19 03 51 00.2–1.6 7.07S 149.36E 0 4.3L,3.8 ¶610415797
ISC Event type ke.
IDC Error ellipse: s-maj=66.8km s-min=22.0km az=123.0.
IDC II 19 17 54 13.7–2.4 5.87S 152.82E 0 3.6,3.5b
¶610415832
IDC Error ellipse: s-maj=158.6km s-min=28.8km az=130.0.
ISC II 19 19 10 03.8–.40 6.42S–.05 152.48E–.06 23 4.9b,3.6s 299 2-157
BJI II 19 19 10 02.5–.00 6.35S 152.64E 29 5.2b,4.7b ¶610231647
NEIC II 19 19 10 04.6–2.5 6.47S–.08 152.6E–.10 27–4 5.0b,4.7b
GCMT II 19 19 10 05.6–.30 6.51S–.03 152.47E–.03 20–1 4.8W,4.7b
DJA II 19 19 10 06.9–.70 6S–3.0 152E–8.0 46–4 5.1,5.0
IDC II 19 19 10 07.1–2.4 6.61S 152.51E 55–22 4.6,4.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.8km s-min=10.9km az=106.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s28,c32; s67,c93;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-2.13±.16 $M_{\theta\theta}$0.81±.09; $M_{\phi\phi}$1.32±.10; $M_{r\theta}$0.36±.20; $M_{\theta\phi}$1.04±.07; $M_{\phi r}$-0.02±.19; Best double couple: NP1:ϕ_s226.00000°,δ48.00000°,λ-80.00000°. NP2:ϕ_s30.00000°,δ43.00000°,λ-101.00000°. Principal axes: T 2.1450,Plg3.0000° ,Azm308.0000°; N 0.0330,Plg8.0000°,Azm39.0000°; P -2.1800,Plg82.0000°,Azm199.0000° $M_0$2.16200×10^{16}
IDC Error ellipse: s-maj=15.6km s-min=13.7km az=135.0.
ISC II 20 00 38 30.1–1.3 6.31S–.10 152.3E–.20 23 3.8b 12 2-150
IDC II 20 00 38 25.8–1.5 6.41S 152.53E 0 3.8,3.8b ¶610384659
ISC Event type ke.
IDC Error ellipse: s-maj=47.0km s-min=18.8km az=112.0.
IDC II 21 00 58 09.1–3.6 6.21S 149.61E 0 3.5,3.4b
¶610384718
IDC Error ellipse: s-maj=144.2km s-min=36.9km az=117.0.
IDC II 22 17 28 22.8–2.0 6.93S 150.11E 49–21 3.5,3.1b
¶610384822
IDC Error ellipse: s-maj=110.6km s-min=8.3km az=132.0.
IDC II 22 19 16 34.0–1.6 4.40S 151.97E 147–12 3.4,3.0b
¶610384825
IDC Error ellipse: s-maj=139.8km s-min=38.3km az=121.0.
IDC II 23 18 33 46.2–1.1 5.96S 150.62E 93–22 3.6,3.3b
¶610384891
IDC Error ellipse: s-maj=82.4km s-min=11.1km az=134.0.
ISC II 25 08 46 22.3–.68 6.5S–.10 149.5E–.10 49 3.9b,3.1s 35 3-148
NEIC II 25 08 46 09.8–1.6 5.9S–.20 150.4E–.20 28–10 4.2b,3.1s ¶610384991
IDC II 25 08 46 17.3–.94 6.60S 149.60E 0 4.3L,4.2
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=29.6km s-min=9.1km az=135.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=55.5km s-min=16.2km az=128.0.
ISC II 25 12 49 38.1–.50 4.66S–.06 152.60E–.08 58 4.4b,3.1s 63 1-150
IDC II 25 12 49 37.8–1.4 4.71S 152.56E 57–10 4.2,3.9b ¶610385000
NEIC II 25 12 49 39.1–1.6 4.60S–.08 152.6E–.10 66–7 4.4b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 25 16 49 08.9–.91 6.2S–.20 149.1E–.20 50 12 3-147
IDC II 25 16 49 09.6–1.9 6.29S 149.17E 53–20 3.9L,3.8 ¶610385012
ISC Event type ke.
IDC Error ellipse: s-maj=52.8km s-min=8.6km az=130.0.
IDC II 26 13 24 00.2–5.2 5.30S 152.61E 56–47 3.3,3.0b
¶610385064
IDC Error ellipse: s-maj=59.7km s-min=22.6km az=112.0.
ISC II 27 02 12 50.9–1.5 5.7S–.20 149.0E–.40 163 3.5b 10 4-147
IDC II 27 02 12 50.5–1.7 5.65S 148.87E 158–17 3.8,3.2b ¶610385089
ISC Event type ke.
IDC Error ellipse: s-maj=56.7km s-min=11.6km az=118.0.
ISC II 27 08 09 58.4–.00 5.5S–.10 148.8E–.10 100 3.6b 23 3-84
IDC II 27 08 09 59.4–2.5 5.62S 148.98E 115–22 4.0,3.5b ¶610385108
NEIC II 27 08 10 01.5–1.5 5.6S–.20 149.0E–.10 129–15 4.1b,3.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 27 09 58 24.6–1.1 5.2S–.20 150.2E–.20 10 3.6b 8 2-148
IDC II 27 09 58 23.9–1.2 5.26S 150.14E 0 3.6,3.4b ¶610385119
ISC Event type ke.
IDC Error ellipse: s-maj=63.9km s-min=17.5km az=138.0.
ISC II 27 10 56 33.1–.56 4.88S–.07 152.1E–.10 100 4.2b 70 1-150
DJA II 27 10 56 29.1–1.7 4S–13 153E–23 130–5 5.5b,5.0 ¶612488926
IDC II 27 10 56 31.7–.74 4.96S 152.11E 88–5 4.2,3.8b
NEIC II 27 10 56 31.9–1.1 4.96S–.10 152.3E–.20 92–11 4.3b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC II 27 11 33 35.6–6.9 6.69S 152.54E 78–50 4.0L,3.6
¶610385123
IDC Error ellipse: s-maj=104.6km s-min=28.0km az=104.0.
IDC II 27 17 05 58.6–3.2 6.66S 152.03E 0 3.8,3.6b
¶610385140
IDC Error ellipse: s-maj=90.6km s-min=21.5km az=110.0.
ISC II 28 14 03 34.1–1.7 5.6S–.10 152.4E–.20 40 3.4b 8 1-83
IDC II 28 14 03 31.1–6.7 5.53S 152.66E 24–36 3.7,3.5b ¶610385209
ISC Event type ke.
IDC Error ellipse: s-maj=69.3km s-min=20.1km az=116.0.
ISC II 28 18 06 42.0–1.2 6.0S–.30 150.5E–.30 48 3.5b 9 2-148
IDC II 28 18 06 42.3–1.4 6.06S 150.57E 56–18 3.7,3.2b ¶610385217
ISC Event type ke.
IDC Error ellipse: s-maj=67.3km s-min=9.7km az=130.0.
ISC III 01 05 59 45.0–.56 5.85S–.08 151.5E–.10 50 4.2b,3.4s 51 2-151
IDC III 01 05 59 45.6–1.6 5.61S 151.17E 50–14 4.1,3.8s ¶610545298
NEIC III 01 05 59 46.3–1.0 5.89S–.07 151.6E–.10 67–11 4.3b,3.8s
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 01 12 24 39.0–1.2 5.9S–.20 151.6E–.20 41 3.6b 13 2-149
IDC III 01 12 24 41.8–1.8 5.76S 151.35E 63–12 3.8,3.5b ¶610545324
ISC Event type ke.
IDC Error ellipse: s-maj=49.8km s-min=9.0km az=125.0.
ISC III 01 16 51 52.6–.41 6.22S–.06 148.67E–.07 65 4.9b 110 4-147
IDC III 01 16 51 51.6–2.4 6.15S 148.69E 56–24 4.9L,4.5 ¶610243149
NEIC III 01 16 51 52.2–1.5 6.26S–.10 148.8E–.10 63–7 4.9b,4.5
DJA III 01 16 51 52.2–.70 6S–6.0 149E–8.0 65–10 5.5b,5.0
ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC III 01 20 52 59.5–3.9 6.68S 148.32E 0 3.4L,3.2 ¶610545347
IDC Error ellipse: s-maj=134.3km s-min=50.2km az=117.0.
IDC III 02 04 41 24.1–3.2 6.72S 149.84E 0 4.0L,3.9 ¶610545365
IDC Error ellipse: s-maj=125.8km s-min=36.8km az=123.0.
ISC III 02 06 45 20.5–.82 4.2S–.20 151.5E–.10 100 3.4b 11 1-149
IDC III 02 06 45 19.5–.80 4.06S 151.41E 90–8 3.7,3.4b **¶610545368**
ISC Event type ke.
IDC Error ellipse: s-maj=27.3km s-min=14.8km az=159.0.
ISC III 02 12 44 19.9–.35 5.12S–.05 151.21E–.06 150 4.6b 150 1-152
BJI III 02 12 44 17.9–.00 5.19S 151.51E 157 5.0b,4.5b **¶610545388**
DJA III 02 12 44 18.7–.40 5S–6.0 151E–5.0 152–6 5.3,5.2b
NEIC III 02 12 44 19.9–1.2 5.04S–.09 151.17E–.06 145–6 4.6b,5.2b
IDC III 02 12 44 19.4–.59 5.10S 151.28E 148–5 4.5,4.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.8km s-min=6.9km az=157.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=14.0km s-min=9.0km az=94.0.
ISC III 03 02 14 32.9–.42 5.76S–.04 149.37E–.05 96–3 4.7b 160 3-153
BJI III 03 02 14 30.7–.00 5.76S 149.66E 99 5.1b,4.7b **¶610244546**
IDC III 03 02 14 32.4–.42 5.77S 149.45E 92–3 4.5,4.2b
NEIC III 03 02 14 33.5–1.3 5.73S–.08 149.36E–.09 100–6 4.7b,4.2b
DJA III 03 02 14 33.4–.40 6S–3.0 149E–4.0 99–5 5.5,5.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 04 19 16 50.4–.98 6.64S–.10 153.8E–.10 48 3.5b 8 3-97
IDC III 04 19 16 51.0–2.1 6.64S 153.82E 62–21 3.7,3.3b **¶610545543**
ISC Event type ke.
IDC Error ellipse: s-maj=24.1km s-min=15.9km az=65.0.
IDC III 05 13 57 14.6–2.5 6.13S 153.78E 0 3.4,3.3b ¶610545594
IDC Error ellipse: s-maj=55.6km s-min=28.1km az=84.0.
ISC III 05 15 48 32.3–.47 6.16S–.06 149.07E–.08 60 4.5b,3.2s 58 3-153
IDC III 05 15 48 32.6–1.3 6.22S 149.19E 70–13 4.1,3.7b **¶610245397**
NEIC III 05 15 48 32.4–1.1 6.14S–.09 149.0E–.10 49–7 4.6b,3.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 05 22 47 53.5–.23 6.06S–.02 149.39E–.03 43–1 6.2s,5.5b 1432 3-164
BJI III 05 22 47 52.0–.00 6.02S 149.41E 30 6.1,6.0s **¶615190856**
MOS III 05 22 47 52.1–1.2 6.01S 149.32E 37 6.2s,5.8b
NEIC III 05 22 47 54.0–1.9 6.00S–.07 149.36E–.07 37–1 6.4,6.3
NEIC III 05 22 47 53.3 6.00S 149.35E 31 6.4,6.3
IDC III 05 22 47 54.1–1.1 6.07S 149.34E 42–9 5.8s,5.5L
NEIC III 05 22 47 54 6.01S 149.34E 29 5.8s,5.5L
NEIC III 05 22 47 54.1 6.00S 149.32E 30 5.8s,5.5L
KLM III 05 22 47 57 6.11S 149.38E 50 5.6b,5.5L
DJA III 05 22 47 58.1–.40 6S–2.0 149E–3.0 73–4 6.7,6.0
GCMT III 05 22 48 00.0–.00 6.30S 149.54E 48–0 6.3W,6.0
NEIC III 05 22 48 01 6.11S 149.44E 50 6.3W,6.0
NEIC III 05 22 48 13.6 5.71S 149.26E 47 6.3W,6.0
ISC Event type se.
MOS Error ellipse: s-maj=7.9km s-min=4.8km az=105.5.
NEIC Event type se. Error ellipse: s-maj=13.1km s-min=9.6km az=132.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}2.30 $M_{\theta\theta}$-1.99 $M_{\phi\phi}$-0.31 $M_{r\theta}$0.71
$M_{\theta\phi}$-0.03 $M_{\phi r}$-0.15 NP1:ϕ_s92.60000°,δ54.27000°,λ94.05000°. NP2:ϕ_s265.69000°,δ35.93000°
,λ84.39000°. Principal axes: T 2.4220,Plg80.0000°,Azm20.0000°; N -0.3159,Plg3.0000°
,Azm270.0000°; P -2.1062,Plg9.0000°,Azm180.0000° $M_0$2.28000×10^{18}
NEIC Event type se.
IDC Error ellipse: s-maj=11.6km s-min=8.0km az=65.0.
NEIC Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s.
Triangular moment-rate function. Moment Tensor Solution. s171,c408; s153,c611;
Duration: 3ş5 Moment tensor: Scale 10^{18}Nm; M_{rr}3.39±.02 $M_{\theta\theta}$-3.91±.01; $M_{\phi\phi}$0.52±.01;
$M_{r\theta}$0.65±.02; $M_{\theta\phi}$-0.08±.01; $M_{\phi r}$-0.17±.02; Best double couple: NP1:ϕ_s92.00000°,δ50.00000°
,λ95.00000°. NP2:ϕ_s265.00000°,δ40.00000°,λ85.00000°. Principal axes:
T 3.4580,Plg84.0000°,Azm34.0000°; N 0.5150,Plg3.0000°,Azm269.0000°
; P -3.9680,Plg5.0000°,Azm179.0000° $M_0$3.71300×10^{18}
NEIC Event type se. Moment Tensor Solution.Duration: 15ş2 Moment tensor: Scale 10^{18}Nm;
M_{rr}3.72 $M_{\theta\theta}$-3.62 $M_{\phi\phi}$-0.10 $M_{r\theta}$1.74 $M_{\theta\phi}$-0.08 $M_{\phi r}$-0.49 NP1:ϕ_s262.00000°,δ33.00000°
,λ78.00000°. NP2:ϕ_s96.00000°,δ58.00000°,λ98.00000°. Principal axes:
T 4.1689,Plg76.0000°,Azm28.0000°; N -0.1568,Plg6.0000°,Azm272.0000°
; P -4.0121,Plg13.0000°,Azm180.0000° $M_0$4.09000×10^{18}
NEIC Event type se. Moment Tensor Solution.Duration: 8ş3 Moment tensor: Scale 10^{18}Nm;
M_{rr}4.20 $M_{\theta\theta}$-4.20 $M_{\phi\phi}$0.00 $M_{r\theta}$-0.29 $M_{\theta\phi}$-0.24 $M_{\phi r}$-0.30 NP1:ϕ_s262.91000°,δ47.24000°
,λ84.81000°. NP2:ϕ_s90.53000°,δ43.01000°,λ95.58000°. Principal axes:
T 4.2256,Plg86.0000°,Azm116.0000°; N -0.0033,Plg4.0000°,Azm266.0000°
; P -4.2222,Plg2.0000°,Azm357.0000° $M_0$4.22000×10^{18}
ISC III 06 23 45 24.6–.37 5.73S–.05 151.70E–.06 57 4.6b,3.6s 178 1-157
NEIC III 06 23 45 19.4–2.4 5.76S–.05 151.72E–.05 10–1 4.6b,3.6s **¶610247281**
IDC III 06 23 45 24.1–1.1 5.70S 151.63E 54–9 4.4,4.2b
DJA III 06 23 45 24.0–.50 6S–4.0 152E–7.0 41–8 5.5,5.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC III 07 01 44 02.3–3.9 6.14S 149.66E 0 3.8,3.5b ¶610545690
IDC Error ellipse: s-maj=128.6km s-min=45.5km az=115.0.
ISC III 07 09 46 03.1–.33 6.00S–.05 153.67E–.05 10 4.9b,4.1s 200 2-151
MOS III 07 09 46 01.7–1.1 5.92S 153.71E 10 5.1b,4.1s **¶610247807**
IDC III 07 09 46 02.1–.62 5.91S 153.71E 0 4.5,4.5b
NEIC III 07 09 46 03.2–1.1 5.98S–.07 153.75E–.07 10–1 4.8b,4.5b
BJI III 07 09 46 04.1–.00 5.37S 153.80E 10 5.1b,4.9b
GCMT III 07 09 46 10.2–.30 6.14S–.03 153.49E–.04 23–1 4.9W,4.9b
DJA III 07 09 46 13.2–.40 6S–4.0 153E–4.0 104–6 4.9,4.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function. Moment Tensor Solution. s23,c25; s59,c78;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}2.54±.20 $M_{\theta\theta}$-1.62±.12; $M_{\phi\phi}$-0.92±.12; $M_{r\theta}$1.11±.15;
$M_{\theta\phi}$0.76±.08; $M_{\phi r}$-0.80±.21; Best double couple: NP1:ϕ_s124.00000°,δ60.00000°,λ91.00000°.
NP2:ϕ_s302.00000°,δ30.00000°,λ88.00000°. Principal axes: T 2.9120,Plg75.0000°
,Azm37.0000°; N -0.4330,Plg1.0000°,Azm304.0000°; P -2.4810,Plg15.0000°,Azm213.0000°
$M_0$2.69700×10^{16}
IDC III 07 20 27 25.1–1.8 4.62S 150.84E 0 3.0,2.9b ¶610545756
IDC Error ellipse: s-maj=76.1km s-min=13.0km az=159.0.
IDC III 08 05 57 31.0–1.5 5.21S 151.37E 84–29 3.6,3.3b ¶610545784
IDC Error ellipse: s-maj=56.6km s-min=31.0km az=121.0.
ISC III 08 10 49 16.4–1.3 5.8S–.30 150.9E–.30 50 3.2b 10 2-149
IDC III 08 10 49 16.9–1.4 5.85S 150.86E 57–17 3.4,3.1b **¶610545798**
ISC Event type ke.
IDC Error ellipse: s-maj=68.5km s-min=9.1km az=129.0.
IDC III 09 17 20 30.3–4.3 6.15S 153.26E 0 3.2,3.1b ¶610545887
IDC Error ellipse: s-maj=97.8km s-min=29.5km az=95.0.
ISC III 09 18 32 02.4–1.6 5.52S–.09 152.5E–.20 40 3.9b 8 1-150
IDC III 09 18 32 05.1–4.0 5.45S 152.26E 63–31 3.9,3.6b **¶610545890**
ISC Event type ke.
IDC Error ellipse: s-maj=64.4km s-min=12.3km az=116.0.
ISC III 09 22 14 26.1–1.1 5.9S–.20 151.1E–.30 43 3.6b 12 2-149
IDC III 09 22 14 27.8–1.6 5.89S 151.02E 61–13 3.7,3.4b **¶610545902**
ISC Event type ke.
IDC Error ellipse: s-maj=50.9km s-min=9.5km az=128.0.
IDC III 11 06 43 23.9–1.5 5.76S 150.23E 0 3.8L,3.5 ¶610546002
IDC Error ellipse: s-maj=95.1km s-min=21.0km az=137.0.
IDC III 12 01 05 01.6–13 5.30S 149.39E 0 3.5,3.5b ¶610546048
IDC Error ellipse: s-maj=219.4km s-min=99.9km az=12.0.
IDC III 12 04 31 35.8–3.5 6.44S 148.02E 0 3.3b,3.3L ¶610546057
IDC Error ellipse: s-maj=96.2km s-min=36.2km az=102.0.
IDC III 12 12 14 05.9–1.8 4.80S 151.33E 66–28 3.6,3.4b ¶610546077
IDC Error ellipse: s-maj=108.4km s-min=26.5km az=131.0.
ISC III 12 19 13 58.2–1.3 5.62S–.08 152.8E–.20 37 3.5b 10 2-151
IDC III 12 19 13 57.8–7.7 5.61S 152.84E 33–52 3.6,3.3b **¶610546092**
ISC Event type ke.
IDC Error ellipse: s-maj=54.8km s-min=18.9km az=103.0.
IDC III 13 09 59 18.4–3.7 6.49S 153.77E 0 3.6s,3.4 ¶610546129
IDC Error ellipse: s-maj=121.1km s-min=31.9km az=111.0.
IDC III 13 22 21 16.3–1.5 5.29S 151.20E 0 3.7,3.6b ¶610546165
IDC Error ellipse: s-maj=117.3km s-min=17.0km az=131.0.
ISC III 14 05 10 05.9–.74 5.4S–.20 150.5E–.20 50 3.7b 13 2-148
IDC III 14 05 10 06.3–2.2 5.45S 150.69E 55–22 3.8,3.5b **¶610546180**
ISC Event type ke.
IDC Error ellipse: s-maj=54.3km s-min=15.5km az=129.0.
ISC III 14 08 26 14.3–1.6 5.9S–.10 152.4E–.20 38 3.6b 8 2-150
IDC III 14 08 26 09.2–1.6 5.87S 152.36E 0 3.8,3.7b **¶610546190**
ISC Event type ke.
IDC Error ellipse: s-maj=44.7km s-min=17.8km az=110.0.
ISC III 14 10 51 59.6–1.2 5.5S–.30 151.4E–.30 57 3.6b 10 1-149
IDC III 14 10 52 00.6–1.5 5.49S 151.34E 69–11 3.8,3.5b **¶610546197**
ISC Event type ke.
IDC Error ellipse: s-maj=63.0km s-min=9.8km az=128.0.
ISC III 15 17 58 01.1–.63 5.98S–.08 151.18E–.10 50 4.0b 31 2-149
NEIC III 15 17 58 01.7–1.0 6.0S–.10 151.3E–.20 53–9 4.3b **¶610546264**
IDC III 15 17 58 02.6–1.5 5.95S 151.25E 76–14 4.0,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=27.5km s-min=10.0km az=123.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=36.8km s-min=12.2km az=120.0.
ISC III 15 18 01 00.4–.33 5.89S–.05 151.11E–.06 50 4.8b,3.8s 177 2-156
BJI III 15 18 00 56.1–.00 6.16S 151.69E 52 5.2b,5.1s **¶610329570**
IDC III 15 18 01 00.5–1.5 5.86S 151.15E 55–13 4.4,4.1b
NEIC III 15 18 01 01.7–2.2 5.88S–.07 151.13E–.09 57–7 4.9b,4.1b
DJA III 15 18 01 02.9–.40 6S–4.0 151E–5.0 71–7 5.3,4.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC III 16 10 08 42.0–1.4 4.89S 150.84E 0 4.0,3.9b ¶610546306
IDC Error ellipse: s-maj=78.1km s-min=17.3km az=147.0.
IDC III 18 02 56 55.7–2.0 6.48S 152.65E 0 3.9L,3.5 ¶610546427
IDC Error ellipse: s-maj=65.4km s-min=25.1km az=113.0.
IDC III 18 04 32 12.0–4.4 6.19S 152.97E 0 3.0,2.9b ¶610546429
IDC Error ellipse: s-maj=209.1km s-min=55.6km az=124.0.
ISC III 18 06 07 56.9–2.6 5.76S–.09 152.7E–.30 35 3.8b 7 2-151
IDC III 18 06 07 54.1–1.5 5.76S 152.71E 0 3.9,3.8b **¶610546432**
ISC Event type ke.
IDC Error ellipse: s-maj=46.5km s-min=19.8km az=116.0.
ISC III 18 10 47 14.9–.39 5.33S–.05 151.91E–.07 45 4.5b,3.9s 96 1-151
DJA III 18 10 47 15.9–.70 5S–5.0 152E–9.0 43–9 5.3,5.1 **¶610546447**
IDC III 18 10 47 15.8–.99 5.36S 151.96E 58–8 4.4,4.1b
NEIC III 18 10 47 16.5–.62 5.26S–.07 151.88E–.07 58–7 4.6b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC III 18 23 53 42.8–7.1 6.42S 149.07E 92–50 3.7,3.2b ¶610546478
IDC Error ellipse: s-maj=110.9km s-min=51.3km az=119.0.
ISC III 19 00 01 07.6–.84 5.0S–.10 151.3E–.20 150 3.7b 11 1-149
IDC III 19 00 01 06.8–.67 5.05S 151.29E 138–7 3.9,3.4b **¶610546479**
ISC Event type ke.
IDC Error ellipse: s-maj=31.5km s-min=11.6km az=128.0.
IDC III 19 09 37 54.4–7.8 6.75S 149.15E 78–56 3.4L,3.3 ¶610546502
IDC Error ellipse: s-maj=122.0km s-min=54.9km az=120.0.
IDC III 19 09 56 25.2–7.1 6.62S 153.98E 69–51 3.7L,3.5 ¶610546503
IDC Error ellipse: s-maj=69.0km s-min=28.2km az=94.0.
ISC III 19 18 57 23.9–.49 5.05S–.06 152.82E–.08 43 4.5b 122 1-158
NEIC III 19 18 57 24.4–1.9 4.95S–.09 152.87E–.05 46–7 4.6b **¶610546532**
IDC III 19 18 57 25.0–1.8 5.02S 152.76E 49–15 4.1,3.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.6km s-min=6.4km az=166.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=21.2km s-min=13.1km az=90.0.
ISC III 20 21 03 15.2–.29 6.11S–.04 150.85E–.05 10 4.8b,3.8s 379 2-156
IDC III 20 21 03 13.8–.41 6.16S 150.77E 0 4.5,4.5b **¶610394190**
BJI III 20 21 03 13.6–.00 6.29S 150.57E 7 5.0b,4.5s
NEIC III 20 21 03 14.4–1.7 6.17S–.05 150.71E–.08 10–1 5.0b,4.5s
MOS III 20 21 03 17.0–1.5 6.08S 150.81E 30 4.8b,4.5s
DJA III 20 21 03 18.2–.50 6S–4.0 151E–5.0 23–4 5.4b,5.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 20 21 20 34.3–1.9 4.1S–.30 151.6E–.40 21 3.4b 6 10-149
IDC III 20 21 20 31.0–2.0 4.09S 151.60E 0 3.9s,3.5 **¶610543356**
ISC Event type ke.
IDC Error ellipse: s-maj=67.7km s-min=29.6km az=116.0.
ISC III 21 13 31 57.9–.57 5.82S–.09 151.0E–.10 43 4.5b 63 2-149
NEIC III 21 13 31 56.8–2.2 5.94S–.06 151.1E–.20 35–2 4.5b **¶610543405**
IDC III 21 13 31 59.5–1.2 5.80S 150.97E 60–12 4.1s,4.0
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=27.1km s-min=8.8km az=103.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=33.7km s-min=8.2km az=127.0.
IDC III 22 02 58 21.9–1.3 5.42S 150.36E 0 3.5,3.5b ¶610543441
IDC Error ellipse: s-maj=61.1km s-min=20.0km az=137.0.
IDC III 22 07 31 31.8–4.6 6.90S 149.42E 95–39 3.6,3.2b ¶610543455
IDC Error ellipse: s-maj=106.3km s-min=33.8km az=127.0.
ISC III 23 15 13 54.3–1.3 6.01S–.10 154.0E–.10 48 3.5b 10 3-152
IDC III 23 15 13 46.8–1.7 6.13S 154.26E 0 3.6,3.6b **¶610543547**
ISC Event type ke.
IDC Error ellipse: s-maj=47.6km s-min=26.0km az=119.0.
IDC III 23 16 37 17.9–7.9 6.85S 149.34E 74–56 3.4,2.9b ¶610543553
IDC Error ellipse: s-maj=152.9km s-min=54.7km az=125.0.
IDC III 25 06 45 00.2–4.5 5.20S 152.50E 60–42 3.5,3.2b ¶610543633
IDC Error ellipse: s-maj=61.4km s-min=23.7km az=117.0.

ISC III 25 13 04 48.2–1.5 6.33S–.10 152.6E–.20 35 3.2b 9 2-151
IDC III 25 13 04 42.1–1.9 6.37S 152.93E 0 3.5,3.3b ¶610543642
ISC Event type ke.
IDC Error ellipse: s-maj=53.1km s-min=23.3km az=113.0.
ISC III 25 21 18 35.3–1.1 5.3S–.20 151.4E–.30 57 3.6b 13 1-149
IDC III 25 21 18 36.0–1.1 5.31S 151.34E 61–11 3.7,3.4b ¶610543670
ISC Event type ke.
IDC Error ellipse: s-maj=48.7km s-min=9.6km az=127.0.
IDC III 27 00 22 57.6–4.1 5.37S 148.87E 0 3.3,3.1b ¶610543758
IDC Error ellipse: s-maj=137.2km s-min=51.3km az=111.0.
ISC III 27 00 36 25.8–1.4 5.81S–.09 152.7E–.20 50 3.3b 10 2-151
IDC III 27 00 36 28.3–4.2 5.77S 152.50E 69–29 3.6,3.2b ¶610543759
ISC Event type ke.
IDC Error ellipse: s-maj=53.7km s-min=12.4km az=110.0.
ISC III 27 14 28 19.1–1.6 6.15S–.09 152.8E–.20 33 3.3b 7 2-151
IDC III 27 14 28 13.9–1.8 6.23S 152.97E 0 3.6,3.4b ¶610543799
ISC Event type ke.
IDC Error ellipse: s-maj=51.0km s-min=24.4km az=115.0.
ISC III 28 18 45 44.5–.90 5.64S–.06 152.3E–.10 40 4.1b 27 1-150
IDC III 28 18 45 36.3–2.3 5.64S 152.85E 0 3.8,3.7b ¶610543865
NEIC III 28 18 45 41.3–.87 5.68S–.06 152.37E–.09 10–1 4.3b,3.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 28 19 11 19.4–1.5 5.61S–.09 152.4E–.20 40 3.6b 11 1-150
IDC III 28 19 11 21.4–3.4 5.54S 152.34E 57–24 3.6,3.3b ¶610543866
ISC Event type ke.
IDC Error ellipse: s-maj=47.3km s-min=14.3km az=108.0.
IDC III 28 23 12 12.1–1.4 4.20S 150.75E 0 3.7s,3.4 ¶610543878
IDC Error ellipse: s-maj=38.9km s-min=19.2km az=163.0.
IDC III 29 14 16 54.4–3.1 5.67S 152.16E 0 3.2,2.9b ¶610543938
IDC Error ellipse: s-maj=134.8km s-min=41.9km az=131.0.
ISC III 30 01 27 49.9–1.2 5.5S–.20 151.9E–.30 45 3.8b,3.5s 9 6-96
IDC III 30 01 27 43.4–1.3 5.45S 151.98E 0 3.9,3.9b ¶610543965
ISC Event type ke.
IDC Error ellipse: s-maj=55.1km s-min=21.1km az=125.0.
IDC III 30 02 02 44.1–2.1 5.35S 152.00E 0 3.7,3.6b ¶610543966
IDC Error ellipse: s-maj=81.6km s-min=24.8km az=120.0.
ISC III 30 07 57 21.6–.41 5.53S–.03 151.83E–.04 33–1 5.2b,4.9s 743 1-157
IDC III 30 07 57 16.4–.35 5.52S 151.64E 0 4.9s,4.9 ¶615092550
BJI III 30 07 57 17.5–.00 5.65S 152.16E 35 5.2b,5.2s
DJA III 30 07 57 18.6–.30 5S–3.0 152E–4.0 13–1 5.9,5.8b
MOS III 30 07 57 21.9–1.1 5.43S 151.66E 45 5.4b,5.2s
NEIC III 30 07 57 22.9–1.3 5.54S–.07 151.78E–.08 40–6 5.2b,5.2s
GCMT III 30 07 57 23.9–.10 5.81S–.01 151.89E–.01 27–0 5.5W,5.2s
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s132,c233; s121,c214;Duration: 1s4 Moment tensor: Scale 10^{17}Nm; M_{rr}1.52±.03 $M_{\theta\theta}$-1.54±.02; $M_{\phi\phi}$0.02±.02; $M_{r\theta}$1.44±.04; $M_{\theta\phi}$-0.55±.02; $M_{\phi r}$0.10±.04; Best double couple: NP1:ϕ_s82.00000°,δ66.00000°,λ99.00000°. NP2:ϕ_s241.00000°,δ25.00000°,λ71.00000°. Principal axes: T 2.0970,Plg68.0000° ,Azm8.0000°; N 0.1550,Plg8.0000°,Azm258.0000°; P -2.2440,Plg21.0000°,Azm165.0000° $M_0$2.17000×10^{17}
ISC III 30 09 03 58.2–.55 5.52S–.06 151.91E–.09 45 4.6b,4.1s 79 1-151
DJA III 30 09 03 55.7–.40 6S–3.0 152E–6.0 12–2 5.2,5.2b ¶610543981
IDC III 30 09 03 59.4–1.7 5.50S 151.72E 55–13 4.4,4.1b
NEIC III 30 09 03 59.9–.96 5.49S–.09 151.8E–.10 58–3 4.7b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC III 30 09 37 34.3–16 5.16S 150.32E 191–134 3.8,3.4s ¶610543982
IDC Error ellipse: s-maj=109.7km s-min=55.4km az=95.0.
IDC III 30 12 34 50.9–2.0 5.62S 148.68E 0 3.5L,3.4 ¶610543988
IDC Error ellipse: s-maj=144.4km s-min=29.5km az=124.0.
ISC III 30 18 18 37.9–.37 5.77S–.04 151.61E–.05 41 4.9b,3.5s 131 2-149
BJI III 30 18 18 29.3–.00 5.98S 151.85E 5 4.9b,4.5b ¶610544006
NEIC III 30 18 18 34.4–2.1 5.76S–.05 151.54E–.07 10–1 5.0b,4.5b
IDC III 30 18 18 37.6–1.2 5.80S 151.58E 40–11 4.2,4.0b
DJA III 30 18 18 38.6–.40 6S–3.0 152E–4.0 55–7 5.2,5.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 30 18 50 15.0–.37 5.55S–.04 151.89E–.06 45 4.8b,3.7s 173 1-151
NEIC III 30 18 50 10.4–1.8 5.62S–.05 151.95E–.08 10–1 5.0b,3.7s ¶610460755
IDC III 30 18 50 15.7–1.1 5.56S 151.85E 54–9 4.3,4.0b
DJA III 30 18 50 15.4–1.4 6S–5.0 152E–6.0 31–15 5.2,5.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 30 19 37 21.1–2.3 5.6S–.10 152.1E–.30 45 3.5b 8 1-150
IDC III 30 19 37 23.1–3.4 5.56S 151.92E 57–22 3.6,3.2b ¶610544007
ISC Event type ke.
IDC Error ellipse: s-maj=69.3km s-min=11.3km az=116.0.
ISC III 31 04 35 09.5–.44 5.56S–.03 151.83E–.04 62–3 5.0b 620 1-157
BJI III 31 04 35 05.7–.00 5.40S 152.19E 52 5.1b,4.9b ¶610460792
MOS III 31 04 35 07.3–1.1 5.43S 151.72E 49 5.3b,4.4s
IDC III 31 04 35 08.8–1.7 5.50S 151.83E 52–15 4.9,4.6b
NEIC III 31 04 35 08.0–1.9 5.52S–.07 151.85E–.09 44–5 5.1b,4.6b
DJA III 31 04 35 10.4–.30 6S–2.0 152E–3.0 82–4 5.6,5.6b
GCMT III 31 04 35 10.0–.20 5.72S–.02 151.93E–.02 27–0 5.1W,5.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s61,c79; s79,c115;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}4.13±.22 $M_{\theta\theta}$-4.45±.14; $M_{\phi\phi}$0.31±.14; $M_{r\theta}$2.85±.24; $M_{\theta\phi}$-1.39±.12; $M_{\phi r}$0.58±.27; Best double couple: NP1:ϕ_s77.00000°,δ62.00000°,λ92.00000°. NP2:ϕ_s252.00000°,δ29.00000°,λ86.00000°. Principal axes: T 4.9960,Plg73.0000° ,Azm353.0000°; N 0.6870,Plg2.0000°,Azm256.0000°; P -5.6850,Plg16.0000°,Azm165.0000° $M_0$5.34100×10^{16}
ISC III 31 12 45 57.8–1.7 5.8S–.20 152.3E–.20 38 3.5b 7 2-150
IDC III 31 12 45 52.0–1.8 5.89S 152.51E 0 3.5,3.4b ¶610544052
ISC Event type ke.
IDC Error ellipse: s-maj=40.3km s-min=13.6km az=90.0.
ISC III 31 15 29 16.7–1.6 5.68S–.10 152.4E–.20 40 3.4b 8 1-150
IDC III 31 15 29 18.9–3.9 5.63S 152.18E 55–27 3.6,3.2b ¶610544058
ISC Event type ke.
IDC Error ellipse: s-maj=63.3km s-min=14.8km az=109.0.
ISC IV 01 01 45 47.0–.49 6.02S–.07 148.44E–.09 65 4.0b 42 4-153
NEIC IV 01 01 45 48.5–2.2 6.1S–.20 148.5E–.20 79–12 4.2b ¶610651670
IDC IV 01 01 45 48.1–1.5 6.08S 148.51E 75–15 4.1,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=34.4km s-min=9.9km az=136.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=22.4km s-min=7.7km az=121.0.
IDC IV 02 07 22 57.9–2.2 5.75S 152.27E 0 3.4,3.3b ¶610651744
IDC Error ellipse: s-maj=58.6km s-min=19.6km az=101.0.
IDC IV 02 08 06 35.5–1.2 5.21S 150.25E 0 3.4,3.4b ¶610651747
IDC Error ellipse: s-maj=56.3km s-min=19.4km az=141.0.
IDC IV 02 10 24 59.0–2.0 6.29S 151.38E 0 3.8L,3.5 ¶610651754
IDC Error ellipse: s-maj=95.8km s-min=20.3km az=115.0.
IDC IV 02 22 17 27.3–2.0 6.58S 152.08E 0 3.5,3.5b ¶610651779
IDC Error ellipse: s-maj=72.7km s-min=21.0km az=111.0.
IDC IV 03 18 59 08.2–3.5 6.37S 149.68E 0 3.6,3.3b ¶610651867
IDC Error ellipse: s-maj=122.9km s-min=39.0km az=119.0.
IDC IV 04 01 46 44.9–2.8 5.68S 150.58E 65–36 3.6,3.3b ¶610651885
IDC Error ellipse: s-maj=111.3km s-min=18.8km az=130.0.
IDC IV 06 13 50 13.7–3.2 6.34S 152.72E 0 3.4,3.1b ¶610652080
IDC Error ellipse: s-maj=81.8km s-min=28.1km az=105.0.
IDC IV 06 17 21 46.5–1.4 5.52S 150.48E 0 3.7,3.6b ¶610652088
IDC Error ellipse: s-maj=94.1km s-min=19.7km az=138.0.
IDC IV 06 18 19 31.1–2.7 6.58S 149.96E 0 3.8,3.6b ¶610652095
IDC Error ellipse: s-maj=74.1km s-min=38.4km az=121.0.
ISC IV 07 01 21 10.3–.84 7.1S–.10 150.7E–.20 26 3.9b 14 3-151
IDC IV 07 01 21 06.5–.80 7.04S 150.62E 0 4.0,4.0b ¶610652116
ISC Event type ke.
IDC Error ellipse: s-maj=33.4km s-min=15.7km az=117.0.
ISC IV 07 12 49 43.0–.96 5.7S–.10 151.7E–.20 57 4.2b 30 1-149
IDC IV 07 12 49 45.0–1.9 5.45S 151.39E 88–12 4.1,3.7b ¶610652155
NEIC IV 07 12 49 45.5–.67 5.4S–.10 151.5E–.10 72–7 4.2b,3.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 08 14 22 36.7–.74 5.88S–.10 150.8E–.10 50 3.9b,3.1s 15 2-149
IDC IV 08 14 22 38.0–1.2 5.95S 150.85E 72–13 4.0,3.6b ¶610652232
ISC Event type ke.
IDC Error ellipse: s-maj=25.8km s-min=9.1km az=125.0.
ISC IV 08 22 07 04.0–1.1 5.9S–.20 150.9E–.20 43 3.7b 14 2-149
IDC IV 08 22 06 58.8–1.2 5.77S 150.78E 0 3.9s,3.8 ¶610652260
ISC Event type ke.
IDC Error ellipse: s-maj=43.9km s-min=16.5km az=126.0.
IDC IV 09 04 35 15.3–1.7 5.86S 148.84E 0 4.3L,4.0 ¶610652277
IDC Error ellipse: s-maj=100.6km s-min=25.4km az=120.0.
ISC IV 09 10 03 54.0–.86 5.31S–.08 152.9E–.10 37 4.0b,3.2s 15 1-151
IDC IV 09 10 03 54.7–3.4 5.33S 152.86E 44–28 3.9,3.7b ¶610652291
ISC Event type ke.
IDC Error ellipse: s-maj=30.9km s-min=12.3km az=99.0.
IDC IV 09 18 57 04.8–2.2 4.93S 151.33E 57–42 3.4,3.1b ¶610652320
IDC Error ellipse: s-maj=135.5km s-min=29.1km az=128.0.
ISC IV 10 02 33 13.2–1.3 6.0S–.20 151.2E–.30 43 3.4b 10 2-149
IDC IV 10 02 33 15.0–1.8 5.91S 151.02E 58–15 3.6,3.3b ¶610652334
ISC Event type ke.
IDC Error ellipse: s-maj=71.0km s-min=9.7km az=129.0.
IDC IV 10 07 34 30.2–3.8 6.54S 148.39E 0 3.4L,3.1 ¶610652351
IDC Error ellipse: s-maj=117.2km s-min=36.9km az=107.0.
IDC IV 10 15 21 22.8–6.3 6.74S 148.39E 108–42 3.7,3.4b ¶610652390
IDC Error ellipse: s-maj=76.2km s-min=50.7km az=100.0.
IDC IV 10 18 01 21.3–1.6 4.83S 150.75E 0 3.2,3.1b ¶610652404
IDC Error ellipse: s-maj=86.7km s-min=18.7km az=150.0.
IDC IV 11 16 06 53.1–3.6 5.99S 151.74E 0 3.7s,3.1 ¶610652479
IDC Error ellipse: s-maj=141.1km s-min=20.3km az=112.0.
ISC IV 11 16 48 38.2–.43 5.82S–.05 151.53E–.06 50 4.5b,3.6s 123 2-149
IDC IV 11 16 48 38.3–1.7 5.75S 151.47E 54–15 4.2,3.9b ¶610526681
NEIC IV 11 16 48 38.4–1.3 5.72S–.08 151.47E–.10 49–9 4.6b,3.9b
DJA IV 11 16 48 38.6–.40 6S–5.0 152E–5.0 67–8 5.1,4.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 11 21 38 36.3–.89 6.11S–.08 152.1E–.20 10 3.9b 29 2-150
NEIC IV 11 21 38 37.4–2.6 6.11S–.08 152.0E–.20 10–1 4.4b ¶610652502
IDC IV 11 21 38 40.1–4.2 5.95S 152.03E 36–30 4.0,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=32.5km s-min=10.1km az=288.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=62.6km s-min=17.2km az=112.0.
IDC IV 12 19 37 45.2–2.7 4.47S 152.89E 0 3.2,3.2b ¶610652575
IDC Error ellipse: s-maj=50.5km s-min=27.0km az=30.0.
ISC IV 13 20 04 46.9–.63 5.55S–.09 150.8E–.10 100 4.0b 43 2-84
IDC IV 13 20 04 47.0–1.1 5.60S 150.92E 99–14 4.0,3.6b ¶610652656
NEIC IV 13 20 04 46.2–1.5 5.5S–.10 150.8E–.10 91–9 4.2b,3.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IV 14 16 03 59.0–1.9 5.32S 152.70E 0 3.9,3.8b ¶610652741
IDC Error ellipse: s-maj=37.7km s-min=20.2km az=94.0.
IDC IV 14 18 44 37.7–2.3 6.06S 149.08E 180–29 3.9,3.3b ¶610652747
IDC Error ellipse: s-maj=114.2km s-min=14.4km az=131.0.
IDC IV 15 04 30 38.1–3.1 6.51S 153.47E 0 3.4,3.3b ¶610652774
IDC Error ellipse: s-maj=83.2km s-min=31.4km az=101.0.
IDC IV 15 19 58 44.3–3.6 5.77S 149.91E 0 3.3,3.1b ¶610652817
IDC Error ellipse: s-maj=128.9km s-min=38.8km az=117.0.
ISC IV 16 04 38 16.9–.72 5.60S–.08 151.9E–.10 50 4.0b,3.2s 45 1-151
NEIC IV 16 04 38 17.4–2.0 5.62S–.08 152.0E–.20 51–12 4.1b,3.2s ¶610652850
IDC IV 16 04 38 18.6–1.6 5.52S 151.73E 64–11 4.0,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=28.9km s-min=9.2km az=106.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=32.3km s-min=9.9km az=123.0.
IDC IV 16 07 02 31.5–4.8 5.97S 150.00E 0 3.4,3.2b ¶610652854
IDC Error ellipse: s-maj=147.9km s-min=34.3km az=108.0.
IDC IV 16 23 14 47.1–3.3 6.02S 153.52E 0 3.5,3.4s ¶610652895
IDC Error ellipse: s-maj=236.2km s-min=31.0km az=129.0.
ISC IV 17 20 28 35.2–1.2 5.0S–.30 150.8E–.40 50 3.3b 8 6-152
IDC IV 17 20 28 35.4–5.7 5.13S 150.81E 47–49 3.6,3.1b ¶610652946
ISC Event type ke.
IDC Error ellipse: s-maj=60.2km s-min=38.0km az=127.0.
IDC IV 18 18 25 28.9–1.6 4.49S 152.58E 0 3.5,3.4b ¶610653001
IDC Error ellipse: s-maj=30.8km s-min=12.3km az=22.0.
IDC IV 18 18 39 17.3–1.9 6.54S 153.57E 0 3.5,3.5L ¶610653002
IDC Error ellipse: s-maj=53.3km s-min=27.4km az=113.0.
IDC IV 19 18 27 01.8–5.6 6.40S 149.67E 64–50 3.7,3.4b ¶610653063
IDC Error ellipse: s-maj=107.0km s-min=35.4km az=129.0.
ISC IV 20 16 36 00.9–.45 5.45S–.05 151.71E–.07 57 4.3b,3.4s 92 1-149
IDC IV 20 16 36 01.2–1.0 5.46S 151.65E 63–9 4.1,3.8b ¶610653124
DJA IV 20 16 36 01.8–.60 5S–6.0 152E–10 52–9 5.0,4.8
NEIC IV 20 16 36 01.0–1.5 5.44S–.06 151.80E–.09 54–8 4.4b,4.8

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 20 20 07 52.3–.61 5.8S–.10 150.9E–.10 50 4.0b,3.2s 37 2-149
NEIC IV 20 20 07 52.5–.75 5.7S–.10 150.8E–.10 35–2 4.1b,3.2s **¶610653132**
IDC IV 20 20 07 53.6–1.8 5.71S 151.00E 62–16 4.0,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=26.6km s-min=11.3km az=127.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=26.8km s-min=13.2km az=114.0.
ISC IV 21 04 21 23.5–1.3 5.1S–.40 151.0E–.40 250 3.9b 7 1-149
IDC IV 21 04 21 24.3–.85 5.28S 150.90E 229–15 4.1,3.5b **¶610653158**
ISC Event type ke.
IDC Error ellipse: s-maj=60.7km s-min=21.8km az=126.0.
ISC IV 22 06 40 19.3–1.0 5.6S–.10 152.1E–.20 50 3.6b 12 1-151
IDC IV 22 06 40 21.8–2.2 5.47S 151.99E 69–16 3.8,3.5b **¶610653243**
ISC Event type ke.
IDC Error ellipse: s-maj=45.8km s-min=14.5km az=116.0.
ISC IV 22 09 26 19.1–.82 5.34S–.07 152.4E–.10 40 4.2b,3.1s 39 1-150
NEIC IV 22 09 26 18.0–1.4 5.39S–.06 152.5E–.10 28–7 4.3b,3.1s **¶610653256**
IDC IV 22 09 26 19.6–3.4 5.39S 152.37E 52–25 4.0,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.8km s-min=9.0km az=90.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=44.1km s-min=11.3km az=112.0.
ISC IV 22 09 39 09.3–.49 5.41S–.05 152.34E–.09 40 4.6b,3.4s 207 1-150
NEIC IV 22 09 39 09.3–1.1 5.40S–.04 152.3E–.10 35–2 4.7b,3.4s **¶610547338**
IDC IV 22 09 39 10.4–1.5 5.40S 152.29E 54–12 4.3,4.0b
DJA IV 22 09 39 11.6–.70 5S–9.0 152E–12 59–11 4.9b,4.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 23 05 21 34.1–.54 6.53S–.04 153.29E–.05 17–3 5.1b,3.9s 547 3-158
IDC IV 23 05 21 31.3–.43 6.55S 153.29E 0 4.6,4.6b **¶610547547**
BJI IV 23 05 21 31.3–.00 6.19S 153.57E 6 5.0b,5.0b
MOS IV 23 05 21 32.6–.73 6.52S 153.25E 17 5.2b,5.0b
NEIC IV 23 05 21 33.4–1.3 6.47S–.04 153.28E–.09 10–1 5.1b,5.0b
GCMT IV 23 05 21 36.4–.30 6.78S–.03 153.34E–.03 19–1 5.0W,5.0b
DJA IV 23 05 21 36.1–.50 6S–3.0 153E–4.0 22–3 6.1,6.1
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s329.97336°,δ65.89836°,λ-70.71527°. NP2: ϕ_s109.38211°,δ30.50294°,λ-126.43679°. Principal axes: T Plg18.6928°,Azm45.7008° ; N Plg17.5460°,Azm141.8418°; P Plg63.8960°,Azm272.0295°
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s21,c24; s87,c106;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.36±.26 $M_{\theta\theta}$2.18±.17; $M_{\phi\phi}$1.18±.15; $M_{r\theta}$-1.81±.37; $M_{\theta\phi}$-1.53±.10; $M_{\phi r}$-0.91±.36; Best double couple: NP1:ϕ_s103.00000°,δ58.00000° ,λ-116.00000°. NP2:ϕ_s325.00000°,δ41.00000°,λ-56.00000°. Principal axes: T 3.4390,Plg9.0000°,Azm211.0000°; N 0.7880,Plg22.0000°,Azm117.0000° ; P -4.2270,Plg66.0000°,Azm322.0000° $M_0$3.83300×10^{16}
ISC IV 23 07 22 06.7–1.5 5.49S–.10 152.5E–.20 35 3.5b 8 1-150
IDC IV 23 07 22 12.6–1.6 5.09S 151.66E 70–14 3.6,3.3b **¶610649803**
ISC Event type ke.
IDC Error ellipse: s-maj=80.1km s-min=20.3km az=120.0.
ISC IV 23 16 08 37.7–1.5 5.8S–.20 151.4E–.20 41 4.1b 18 2-149
NEIC IV 23 16 08 33.3–1.0 5.9S–.10 151.5E–.20 10–2 4.3b **¶610649822**
IDC IV 23 16 08 39.2–2.9 5.73S 151.35E 69–23 4.0,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=39.9km s-min=11.7km az=123.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=111.2km s-min=11.0km az=126.0.
IDC IV 25 06 08 17.8–3.3 5.55S 151.74E 71–33 3.6,3.3b
¶610649954
IDC Error ellipse: s-maj=101.4km s-min=28.1km az=115.0.
IDC IV 27 09 04 34.1–7.4 6.42S 149.09E 86–54 3.5L,3.2
¶610650118
IDC Error ellipse: s-maj=125.4km s-min=52.9km az=120.0.
IDC IV 27 14 27 24.6–2.5 6.54S 149.31E 69–31 3.7,3.7L
¶610650142
IDC Error ellipse: s-maj=106.8km s-min=16.1km az=131.0.
ISC IV 27 16 48 19.0–.44 5.08S–.05 151.54E–.06 100 4.1b 99 1-149
IDC IV 27 16 48 19.2–.55 5.09S 151.62E 106–5 4.2,3.7b **¶610650151**
NEIC IV 27 16 48 19.5–2.0 5.09S–.07 151.52E–.08 107–7 4.3b,3.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IV 28 09 21 57.8–1.2 5.26S 150.81E 189–71 3.6,3.1b
¶610650208
IDC Error ellipse: s-maj=107.1km s-min=64.7km az=11.0.
ISC IV 29 01 18 38.7–2.4 5.6S–.10 152.9E–.40 37 3.8b 6 2-151
IDC IV 29 01 18 33.4–2.4 5.63S 152.92E 0 3.9,3.8b **¶610650269**
ISC Event type ke.
IDC Error ellipse: s-maj=55.4km s-min=22.2km az=87.0.
IDC IV 29 09 53 29.2–5.1 5.96S 148.04E 186–48 3.8,3.2b
¶610650298
IDC Error ellipse: s-maj=118.1km s-min=47.5km az=120.0.
IDC IV 29 11 53 29.8–4.7 5.55S 152.01E 57–38 3.6,3.3b
¶610650305
IDC Error ellipse: s-maj=101.2km s-min=25.7km az=108.0.
ISC IV 29 15 05 52.3–.89 4.2S–.10 152.9E–.10 35 4.1b 17 1-151
IDC IV 29 15 05 47.7–1.0 4.35S 153.02E 0 3.8,3.7b **¶610650321**
NEIC IV 29 15 05 53.7–.77 4.1S–.10 152.9E–.10 50–7 4.3b,3.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 29 19 39 55.9–1.7 4.1S–.20 151.9E–.20 182–11 4.2b 8 0-149
IDC IV 29 19 39 55.9–1.2 4.14S 151.92E 178–8 4.1,3.7b **¶610650346**
ISC Event type ke.
IDC Error ellipse: s-maj=40.5km s-min=21.8km az=143.0.
ISC IV 29 22 17 11.7–1.4 4.7S–.30 151.6E–.20 150 3.9b 8 1-149
IDC IV 29 22 17 11.2–1.2 4.83S 151.61E 148–15 4.1,3.7b **¶610650357**
ISC Event type ke.
IDC Error ellipse: s-maj=68.9km s-min=31.7km az=110.0.
ISC V 01 03 09 07.9–.41 5.95S–.04 151.18E–.05 31–2 4.9b,4.2s 277 2-156
IDC V 01 03 09 03.0–.42 5.81S 151.17E 0 4.4,4.4b **¶610669449**
BJI V 01 03 09 06.3–.00 5.86S 151.12E 26 5.1b,4.8b
NEIC V 01 03 09 08.5–2.8 5.97S–.06 151.15E–.08 38–6 5.0b,4.8b
DJA V 01 03 09 11.8–.50 6S–5.0 151E–4.0 71–7 5.6,5.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC V 01 04 15 00.1–3.2 5.63S 151.61E 74–23 3.5,3.0b
¶610689278
IDC Error ellipse: s-maj=97.0km s-min=11.9km az=124.0.
IDC V 01 07 06 08.1–1.7 5.76S 150.77E 0 3.0,2.9b
¶610689284
IDC Error ellipse: s-maj=128.7km s-min=20.3km az=132.0.
IDC V 01 10 43 18.3–2.6 5.35S 151.72E 162–19 3.1,2.7b
¶610689296
IDC Error ellipse: s-maj=132.1km s-min=35.8km az=120.0.
ISC V 01 10 45 33.4–.88 5.0S–.20 150.4E–.10 10 4.0b 10 2-148
IDC V 01 10 45 32.5–.92 5.06S 150.30E 0 4.0,4.0b **¶610689297**
ISC Event type ke.
IDC Error ellipse: s-maj=53.3km s-min=16.4km az=138.0.
ISC V 01 21 01 16.7–1.7 6.4S–.20 151.8E–.30 37 3.0b 8 2-150
IDC V 01 21 01 19.9–3.9 6.16S 151.34E 58–27 3.5,3.0b **¶610689340**
ISC Event type ke.
IDC Error ellipse: s-maj=100.5km s-min=9.5km az=125.0.
IDC V 02 04 21 13.5–3.7 4.59S 151.94E 0 3.5,3.4b
¶610689365
IDC Error ellipse: s-maj=167.5km s-min=46.7km az=119.0.
ISC V 02 15 25 45.0–.43 5.29S–.06 151.43E–.08 57 4.4b 72 1-149
IDC V 02 15 25 44.3–.64 5.37S 151.42E 53–5 4.2,3.9b **¶610689402**
DJA V 02 15 25 46.8–.60 5S–3.0 151E–5.0 41–8 6.0,6.0
NEIC V 02 15 25 46.5–1.9 5.3S–.10 151.5E–.10 71–8 4.4b,6.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC V 02 23 07 49.1–4.4 4.68S 151.78E 0 3.6s,3.3
¶610689417
IDC Error ellipse: s-maj=189.2km s-min=54.2km az=118.0.
ISC V 03 02 02 53.9–.41 5.52S–.05 148.06E–.08 167 4.3b 79 4-154
IDC V 03 02 02 55.5–1.1 5.64S 148.19E 182–11 4.3,3.8b **¶610689425**
NEIC V 03 02 02 56.2–1.9 5.56S–.08 148.1E–.10 190–5 4.4b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC V 04 07 42 25.0–1.7 5.93S 152.98E 0 3.9s,3.5
¶610689535
IDC Error ellipse: s-maj=36.1km s-min=15.2km az=76.0.
IDC V 04 09 34 51.0–1.5 5.16S 151.26E 0 3.1,3.1b
¶610689541
IDC Error ellipse: s-maj=131.2km s-min=17.6km az=132.0.
IDC V 04 10 04 52.4–2.6 6.39S 148.99E 94–35 3.4,2.6b
¶610689543
IDC Error ellipse: s-maj=87.0km s-min=17.5km az=129.0.
ISC V 04 13 59 26.2–.65 6.18S–.07 151.89E–.09 50 3.9b 32 2-150
NEIC V 04 13 59 27.9–2.1 6.23S–.08 151.97E–.07 55–18 4.2b **¶610689548**
IDC V 04 13 59 30.7–1.7 5.83S 151.35E 81–10 3.8,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=8.1km az=213.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=53.1km s-min=9.1km az=124.0.
ISC V 06 21 16 51.2–.41 5.20S–.06 151.15E–.08 155 4.4b 86 1-152
DJA V 06 21 16 52.1–.50 5S–7.0 151E–8.0 174–6 5.0,5.0b **¶610617809**
NEIC V 06 21 16 52.6–1.1 5.17S–.09 151.2E–.10 167–7 4.4b,5.0b
IDC V 06 21 16 52.0–.50 5.23S 151.18E 166–5 4.5,4.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.2km s-min=10.1km az=117.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=17.9km s-min=8.3km az=121.0.
IDC V 07 14 05 36.7–2.2 5.04S 151.74E 76–16 3.6,3.3b
¶610689727
IDC Error ellipse: s-maj=107.0km s-min=16.8km az=126.0.
ISC V 08 05 32 17.9–.51 5.51S–.06 151.63E–.08 57 4.3b,2.9s 54 1-151
NEIC V 08 05 32 17.9–1.4 5.51S–.06 151.58E–.05 57–8 4.4b,2.9s **¶610689778**
IDC V 08 05 32 18.3–1.5 5.51S 151.70E 56–11 4.0,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=6.4km az=208.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=30.4km s-min=9.1km az=120.0.
IDC V 09 14 14 33.8–1.6 5.12S 151.68E 66–26 3.5,3.2b
¶610689897
IDC Error ellipse: s-maj=50.7km s-min=30.0km az=121.0.
IDC V 11 10 08 37.3–2.0 4.10S 152.16E 0 3.8,3.8b
¶610690038
IDC Error ellipse: s-maj=63.4km s-min=20.9km az=111.0.
IDC V 13 03 50 11.4–3.6 5.45S 151.90E 0 3.4,3.3b
¶610690169
IDC Error ellipse: s-maj=134.4km s-min=17.5km az=110.0.
IDC V 13 04 17 12.5–1.5 4.66S 150.87E 0 3.1,3.1b
¶610690172
IDC Error ellipse: s-maj=72.8km s-min=17.9km az=154.0.
ISC V 13 08 56 42.2–.92 6.0S–.20 149.2E–.30 60 4.1b 10 3-153
IDC V 13 08 56 45.0–1.9 6.05S 148.94E 85–17 4.2,3.8b **¶610690184**
ISC Event type ke.
IDC Error ellipse: s-maj=39.6km s-min=13.1km az=120.0.
IDC V 14 05 37 10.8–4.3 4.72S 152.69E 58–34 3.7,3.4b
¶610690249
IDC Error ellipse: s-maj=62.4km s-min=21.6km az=114.0.
ISC V 15 13 22 42.1–.18 4.08S–.03 152.57E–.03 35 6.0s,5.7b 1139 8-167
NEIC V 15 13 22 38.7 4.02S 152.50E 10 6.0s,5.7b **¶611833893**
NEIC V 15 13 22 38.6 3.82S 152.69E 24 6.0s,5.7b
NEIC V 15 13 22 38.6 4.02S 152.49E 24 6.0s,5.7b
NEIC V 15 13 22 38.6–1.6 4.02S–.08 152.48E–.04 10–1 6.2,6.1
MOS V 15 13 22 39.1–1.1 4.02S 152.46E 24 5.8s,5.6b
DJA V 15 13 22 39.7–1.1 4S–2.0 153E–3.0 14–7 6.6,6.3b
BJI V 15 13 22 39.7–.00 4.00S 152.50E 20 6.1b,6.0s
IDC V 15 13 22 43.4–1.1 4.08S 152.52E 48–9 5.8s,5.0
GCMT V 15 13 22 44.6–.00 4.04S 152.53E 26–0 6.2W,5.0
KLM V 15 13 22 46 4.11S 152.55E 55 6.1b,5.0
BGR V 15 13 22 48.5 4.10S 152.44E 33 6.1s,5.0
ISC Event type ke.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 6s6 Moment tensor: Scale 10^{18}Nm; M_{rr}0.35 $M_{\theta\theta}$2.48 $M_{\phi\phi}$-2.83 $M_{r\theta}$0.18 $M_{\theta\phi}$0.17 $M_{\phi r}$-0.93 NP1:ϕ_s312.37000°,δ82.41000° ,λ-14.02000°. NP2:ϕ_s44.26000°,δ76.10000°,λ-172.18000°. Principal axes: T 2.4995,Plg4.0000°,Azm359.0000°; N 0.5955,Plg74.0000°,Azm104.0000° ; P -3.0950,Plg15.0000°,Azm268.0000° $M_0$2.80000×10^{18}
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.2km s-min=5.7km az=14.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}0.34 $M_{\theta\theta}$1.44 $M_{\phi\phi}$-1.78 $M_{r\theta}$-0.42 $M_{\theta\phi}$-0.36 $M_{\phi r}$-0.11 NP1:ϕ_s229.93000°,δ80.70000°,λ164.33000°. NP2:ϕ_s322.53000° ,δ74.54000°,λ9.65000°. Principal axes: T 1.6113,Plg18.0000°,Azm186.0000° ; N 0.2239,Plg72.0000°,Azm20.0000°; P -1.8352,Plg4.0000°,Azm277.0000° $M_0$1.73000×10^{18}
MOS Error ellipse: s-maj=7.9km s-min=5.1km az=109.1.
IDC Error ellipse: s-maj=11.1km s-min=7.6km az=77.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s167,c345; s170,c612; Duration: 3s2 Moment tensor: Scale 10^{18}Nm; M_{rr}0.47±.01 $M_{\theta\theta}$2.44±.01; $M_{\phi\phi}$-2.91±.01; $M_{r\theta}$-0.58±.03; $M_{\theta\phi}$-0.23±.01; $M_{\phi r}$-0.03±.03; Best double couple: NP1:ϕ_s226.00000° ,δ80.00000°,λ169.00000°. NP2:ϕ_s318.00000°,δ79.00000°,λ10.00000°. Principal axes: T 2.6060,Plg15.0000°,Azm182.0000°; N 0.3200,Plg75.0000°,Azm6.0000° ; P -2.9200,Plg1.0000°,Azm273.0000° $M_0$2.76300×10^{18}
BGR Event type ke.
IDC V 16 00 32 25.1–2.7 4.65S 152.33E 0 3.5s,3.5
¶610690370
IDC Error ellipse: s-maj=52.8km s-min=10.6km az=63.0.
ISC V 16 22 33 33.1–.53 4.03S–.07 152.56E–.07 10 4.3b,3.5s 48 1-152
IDC V 16 22 33 32.0–.78 4.08S 152.33E 0 4.0,3.9b **¶610690448**
NEIC V 16 22 33 33.5–1.3 4.05S–.08 152.54E–.06 11–4 4.5b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 16 23 31 19.0–1.4 4.9S–.10 152.5E–.20 55 3.5b 7 1-150
IDC V 16 23 31 10.7–1.5 5.05S 152.86E 0 3.7,3.6b **¶610690451**
ISC Event type ke.
IDC Error ellipse: s-maj=35.7km s-min=25.1km az=105.0.
ISC V 17 10 13 25.9–.98 5.9S–.10 151.9E–.20 36 4.2b 19 2-150
IDC V 17 10 13 20.2–1.2 5.90S 151.85E 0 4.1,4.1b **¶610690482**
ISC Event type ke.
IDC Error ellipse: s-maj=52.7km s-min=15.3km az=116.0.

IDC V 17 10 17 27.7–1.9 6.00S 152.26E 0 3.6,3.6b ¶610690484
IDC Error ellipse: s-maj=63.7km s-min=21.7km az=107.0.
IDC V 17 16 53 00.6–2.3 4.07S 151.64E 0 3.7,3.6b ¶610690502
IDC Error ellipse: s-maj=47.2km s-min=9.6km az=19.0.
ISC V 17 22 22 38.4–.43 6.57S–.05 148.81E–.06 35 4.5b,3.4s 87 3-152
IDC V 17 22 22 32.7–.70 6.44S 148.85E 0 4.1,4.1b ¶610641937
NEIC V 17 22 22 38.4–1.4 6.49S–.09 148.8E–.10 34–5 4.6b,4.1b
DJA V 17 22 22 44.5–2.0 7S–9.0 149E–13 66–15 5.5b,5.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC V 17 23 11 35.8–1.4 5.28S 151.35E 0 3.5,3.5b ¶610690535
IDC Error ellipse: s-maj=52.5km s-min=12.0km az=127.0.
IDC V 18 14 53 59.9–1.6 6.29S 149.23E 0 3.5L,3.4 ¶610690601
IDC Error ellipse: s-maj=78.1km s-min=20.6km az=135.0.
IDC V 19 23 09 38.0–3.7 4.10S 152.15E 0 4.2,4.1b ¶610690705
IDC Error ellipse: s-maj=134.2km s-min=27.4km az=108.0.
IDC V 20 08 00 23.9–1.5 4.75S 150.77E 0 3.9,3.8b ¶610685016
IDC Error ellipse: s-maj=67.8km s-min=13.0km az=154.0.
ISC V 20 21 26 47.5–.57 5.48S–.08 150.4E–.10 150 3.8b 33 2-148
IDC V 20 21 26 46.5–1.2 5.49S 150.29E 138–14 3.8,3.4b ¶610685049
NEIC V 20 21 26 47.1–.50 5.5S–.10 150.3E–.10 135–11 4.1b,3.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 22 07 00 16.8–.99 6.4S–.30 149.8E–.40 43 3.8b 8 3-148
IDC V 22 07 00 11.3–1.0 6.40S 149.86E 0 4.5L,4.0 ¶610685141
ISC Event type ke.
IDC Error ellipse: s-maj=72.6km s-min=18.4km az=129.0.
IDC V 22 21 57 07.8–2.9 4.98S 152.09E 40–32 3.3,3.1b ¶610685183
IDC Error ellipse: s-maj=47.1km s-min=27.6km az=115.0.
IDC V 24 04 38 05.0–4.5 5.13S 148.80E 0 3.9,3.7b ¶610685269
IDC Error ellipse: s-maj=162.9km s-min=51.2km az=111.0.
IDC V 24 13 29 18.7–1.6 6.17S 151.86E 0 3.4,3.4b ¶610685300
IDC Error ellipse: s-maj=51.1km s-min=20.0km az=115.0.
IDC V 25 00 17 35.1–3.7 7.63S 149.96E 73–39 3.6,3.6L ¶610685326
IDC Error ellipse: s-maj=149.3km s-min=23.5km az=128.0.
IDC V 25 17 51 28.9–1.1 4.61S 151.30E 0 3.3,3.3b ¶610685381
IDC Error ellipse: s-maj=45.4km s-min=9.4km az=155.0.
IDC V 26 02 21 06.8–5.7 5.62S 152.14E 51–50 3.5,3.2b ¶610685398
IDC Error ellipse: s-maj=83.5km s-min=19.4km az=113.0.
ISC V 26 02 25 43.5–.63 6.1S–.10 151.0E–.20 43 4.4b,3.5s 40 2-149
IDC V 26 02 25 44.0–1.7 6.22S 151.28E 49–18 4.2,3.9b ¶610685399
NEIC V 26 02 25 44.2–1.6 6.0S–.10 151.0E–.20 45–10 4.4b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 26 21 00 32.7–1.4 4.3S–.20 151.5E–.20 250 4.2b 15 1-149
NEIC V 26 21 00 30.9–.41 3.9S–.20 151.8E–.20 272–13 4.0b ¶610685453
IDC V 26 21 00 31.2–1.1 4.01S 151.64E 271–25 3.9,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=37.2km s-min=11.6km az=220.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=149.5km s-min=31.0km az=121.0.
ISC V 27 02 21 42.2–1.1 6.1S–.30 149.9E–.30 52 3.6b,3.0s 7 3-148
IDC V 27 02 21 35.8–1.2 6.14S 150.18E 0 3.9,3.9b ¶610685467
ISC Event type ke.
IDC Error ellipse: s-maj=69.6km s-min=21.8km az=126.0.
IDC V 27 21 37 28.4–1.6 6.00S 149.91E 0 3.8L,3.4 ¶610685520
IDC Error ellipse: s-maj=100.1km s-min=21.8km az=137.0.
ISC V 28 01 35 31.3–.70 6.4S–.10 150.5E–.10 33 4.2b,3.3s 16 3-151
IDC V 28 01 35 26.1–.72 6.37S 150.54E 0 4.3L,4.2 ¶610685527
ISC Event type ke.
IDC Error ellipse: s-maj=27.5km s-min=15.8km az=113.0.
ISC V 28 08 27 47.1–.53 6.29S–.08 150.4E–.10 35 4.1b 33 3-148
IDC V 28 08 27 41.5–.85 6.26S 150.44E 0 4.1b,4.0 ¶610685547
NEIC V 28 08 27 48.9–.69 6.28S–.07 150.5E–.20 52–8 4.2b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 28 14 22 32.5–.49 5.06S–.08 151.3E–.10 150 4.1b 78 1-152
IDC V 28 14 22 33.7–.58 5.07S 151.36E 169–5 4.0,3.6b ¶610685556
NEIC V 28 14 22 34.3–1.5 5.0S–.10 151.28E–.04 166–7 4.2b,3.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC V 28 19 34 44.1–3.9 5.10S 152.24E 71–30 3.3,3.0b ¶610685568
IDC Error ellipse: s-maj=84.6km s-min=35.9km az=112.0.
IDC V 29 09 05 34.4–3.1 7.04S 151.48E 0 4.0L,3.6 ¶610685603
IDC Error ellipse: s-maj=119.8km s-min=22.8km az=115.0.
IDC V 31 05 59 44.3–2.4 4.82S 151.27E 61–40 3.7,3.5b ¶610685767
IDC Error ellipse: s-maj=116.2km s-min=27.7km az=129.0.
IDC VI 01 04 23 59.6–1.7 6.41S 148.97E 0 4.1L,3.8 ¶610791036
IDC Error ellipse: s-maj=113.6km s-min=27.6km az=125.0.
ISC VI 02 18 16 20.2–.77 4.9S–.10 151.3E–.20 100 3.5b 12 1-149
IDC VI 02 18 16 20.0–.80 5.03S 151.54E 110–11 3.7,3.5s ¶610791116
ISC Event type ke.
IDC Error ellipse: s-maj=53.3km s-min=17.3km az=113.0.
IDC VI 03 05 26 08.3–4.3 5.20S 148.58E 0 3.2,3.1b ¶610791150
IDC Error ellipse: s-maj=142.8km s-min=51.6km az=110.0.
IDC VI 03 22 08 20.6–6.2 5.28S 148.95E 0 3.0,2.8b ¶610791193
IDC Error ellipse: s-maj=267.7km s-min=55.0km az=113.0.
IDC VI 04 03 23 10.3–1.7 5.60S 149.56E 0 3.6L,3.3 ¶610791209
IDC Error ellipse: s-maj=85.5km s-min=23.6km az=144.0.
ISC VI 04 12 20 49.9–.56 6.24S–.07 149.3E–.10 150 4.0b 62 5-152
IDC VI 04 12 20 30.7–.86 6.07S 149.72E 0 4.2,4.2b ¶610791231
NEIC VI 04 12 20 49.7–1.9 6.30S–.07 149.4E–.10 145–7 4.4b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VI 06 22 00 42.9–4.3 5.26S 152.69E 0 3.8s,3.8 ¶610791357
IDC Error ellipse: s-maj=195.9km s-min=53.1km az=121.0.
IDC VI 07 06 43 41.8–2.0 5.45S 152.75E 0 3.4,3.4b ¶610791380
IDC Error ellipse: s-maj=42.9km s-min=22.2km az=89.0.
ISC VI 07 10 52 06.5–1.6 5.5S–.10 152.6E–.20 40 3.6b 8 1-83
IDC VI 07 10 52 00.5–1.3 5.57S 152.74E 0 3.9,3.8b ¶610791403
ISC Event type ke.
IDC Error ellipse: s-maj=27.7km s-min=15.1km az=87.0.
ISC VI 07 20 09 27.4–1.6 6.1S–.10 152.2E–.20 36 3.6b 8 2-150
IDC VI 07 20 09 30.0–4.8 5.98S 151.96E 54–38 3.6,3.3b ¶610791417
ISC Event type ke.
IDC Error ellipse: s-maj=74.3km s-min=10.8km az=117.0.
IDC VI 07 22 31 12.8–4.8 6.11S 151.67E 49–41 3.2,2.9b ¶610791425
IDC Error ellipse: s-maj=128.5km s-min=25.1km az=113.0.
IDC VI 10 22 23 15.4–8.7 4.86S 152.30E 0 3.3,3.3b ¶610791620
IDC Error ellipse: s-maj=270.8km s-min=38.9km az=107.0.
ISC VI 11 11 09 34.3–1.2 5.5S–.10 148.3E–.20 150 4.0b 24 4-146
IDC VI 11 11 09 35.0–3.5 5.96S 148.97E 169–37 4.0,3.5b ¶610791648
NEIC VI 11 11 09 35.8–1.1 5.6S–.10 148.5E–.30 166–13 4.1b,3.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 11 16 18 10.2–1.5 5.9S–.20 148.4E–.40 35 3.6b 7 4-146
IDC VI 11 16 18 04.4–1.7 6.08S 149.01E 0 3.9L,3.8 ¶610791657
ISC Event type ke.
IDC Error ellipse: s-maj=78.6km s-min=26.9km az=116.0.
IDC VI 12 01 53 03.6–1.4 5.62S 150.55E 0 3.3,3.2b ¶610791690
IDC Error ellipse: s-maj=101.5km s-min=20.2km az=136.0.
ISC VI 12 11 20 40.1–.77 6.21S–.10 148.7E–.10 65 3.9b 27 4-147
IDC VI 12 11 20 40.0–1.9 6.17S 148.60E 65–20 4.0,3.6b ¶610791719
NEIC VI 12 11 20 56.7–1.1 7.4S–.20 148.3E–.20 101–12 4.0b,3.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 13 00 19 48.3–.53 4.85S–.05 151.75E–.06 134–4 4.8b 139 1-149
IDC VI 13 00 19 47.6–.46 4.82S 151.79E 133–4 4.6,4.1b ¶610671349
NEIC VI 13 00 19 48.4–1.8 4.77S–.09 151.72E–.08 134–7 4.8b,4.1b
DJA VI 13 00 19 51.0–1.3 5S–5.0 152E–10 161–9 5.4,5.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VI 14 03 25 00.7–4.1 4.74S 151.40E 0 3.4,3.2b ¶610791822
IDC Error ellipse: s-maj=166.3km s-min=48.1km az=119.0.
ISC VI 14 12 59 15.6–1.2 5.1S–.20 151.8E–.20 100 3.8b 14 1-149
IDC VI 14 12 59 15.1–1.2 5.08S 151.74E 93–6 3.8,3.5s ¶610791867
ISC Event type ke.
IDC Error ellipse: s-maj=42.7km s-min=12.5km az=123.0.
IDC VI 15 22 06 18.3–5.5 6.89S 148.11E 145–49 3.1,2.5b ¶610791965
IDC Error ellipse: s-maj=145.1km s-min=55.1km az=121.0.
ISC VI 17 11 07 06.2–.47 6.07S–.05 149.84E–.06 41–4 4.5b,4.1s 116 3-152
IDC VI 17 11 07 07.7–1.2 6.13S 149.86E 56–12 4.1,4.0s ¶611600313
DJA VI 17 11 07 08.1–.60 6S–4.0 150E–4.0 58–6 5.3,5.3b
NEIC VI 17 11 07 08.1–1.3 6.03S–.09 149.9E–.10 59–9 4.8b,5.3b
GCMT VI 17 11 07 10.1–.30 6.43S–.02 149.93E–.02 41–1 5.0W,5.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s56,c66; s61,c77;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.60±.19 $M_{\theta\theta}$-3.91±.11; $M_{\phi\phi}$0.30±.13; $M_{r\theta}$1.38±.13; $M_{\theta\phi}$0.03±.11; $M_{\phi r}$-0.46±.15; Best double couple: NP1:ϕ_s97.00000°,δ56.00000°,λ98.00000°. NP2:ϕ_s263.00000°,δ35.00000°,λ78.00000°. Principal axes: T 3.9020,Plg78.0000° ,Azm36.0000°; N 0.2550,Plg7.0000°,Azm273.0000°; P -4.1580,Plg10.0000°,Azm181.0000° $M_0$4.03000×10^{16}
IDC VI 17 13 02 23.8–2.4 4.38S 151.48E 66–35 4.0,3.7b ¶610792057
IDC Error ellipse: s-maj=99.8km s-min=29.4km az=132.0.
ISC VI 17 22 50 31.9–.40 5.54S–.04 151.81E–.06 33–2 4.8b,4.2s 456 1-151
BJI VI 17 22 50 28.0–.00 5.75S 152.21E 39 5.4b,4.8b ¶610760963
DJA VI 17 22 50 29.1–.70 6S–4.0 152E–8.0 13–3 5.3,5.1
IDC VI 17 22 50 31.9–1.6 5.47S 151.71E 33–11 4.5,4.4b
NEIC VI 17 22 50 32.8–1.4 5.58S–.06 151.8E–.10 35–1 4.9b,4.4b
GCMT VI 17 22 50 34.8–.40 5.86S–.03 151.70E–.04 34–0 5.1W,4.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s30,c35; s52,c76;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}6.69±.51 $M_{\theta\theta}$-4.74±.28; $M_{\phi\phi}$-1.95±.28; $M_{r\theta}$1.77±.20; $M_{\theta\phi}$-1.62±.18; $M_{\phi r}$-0.93±.30; Best double couple: NP1:ϕ_s77.00000°,δ52.00000°,λ103.00000°. NP2:ϕ_s236.00000°,δ40.00000°,λ74.00000°. Principal axes: T 7.1100,Plg78.0000° ,Azm38.0000°; N -1.4990,Plg10.0000°,Azm249.0000°; P -5.6100,Plg6.0000°,Azm158.0000° $M_0$6.36000×10^{16}
IDC VI 19 04 01 35.3–1.2 4.57S 150.68E 0 3.3,3.3b ¶610792163
IDC Error ellipse: s-maj=42.5km s-min=13.7km az=164.0.
ISC VI 19 09 42 08.3–.93 6.2S–.20 150.5E–.20 48 4.2b 17 2-149
IDC VI 19 09 42 08.7–1.4 6.10S 150.41E 56–18 4.3,4.1b ¶610792180
ISC Event type ke.
IDC Error ellipse: s-maj=59.6km s-min=9.8km az=132.0.
ISC VI 20 13 39 59.7–.40 6.17S–.05 149.83E–.07 35 4.5b,3.9s 92 3-152
DJA VI 20 13 39 56.3–1.1 6S–5.0 150E–5.0 32–10 5.9,5.9 ¶610686586
NEIC VI 20 13 40 01.1–.98 6.15S–.08 149.85E–.09 45–7 4.6b,5.9
IDC VI 20 13 40 01.4–1.2 6.23S 149.90E 53–12 4.3,4.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.4km s-min=9.9km az=128.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=16.5km s-min=7.6km az=124.0.
ISC VI 20 20 33 51.6–.49 6.43S–.07 150.70E–.09 33 4.7b,3.2s 50 2-149
IDC VI 20 20 33 52.7–1.1 6.24S 150.53E 49–14 4.4,4.1b ¶610686640
NEIC VI 20 20 33 54.7–2.4 6.34S–.09 150.5E–.10 63–6 4.5b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VI 20 22 43 42.3–3.9 5.59S 150.05E 0 3.6,3.5b ¶610789181
IDC Error ellipse: s-maj=133.7km s-min=50.8km az=116.0.
ISC VI 22 13 32 46.3–1.0 5.2S–.10 151.4E–.20 150 4.3b 30 1-149
NEIC VI 22 13 32 45.4–2.0 5.1S–.20 151.5E–.20 153–16 4.3b ¶610693714
IDC VI 22 13 32 47.0–1.0 5.32S 151.61E 154–5 4.1,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=41.9km s-min=14.2km az=123.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=33.7km s-min=10.3km az=123.0.
ISC VI 23 05 27 30.3–1.3 4.8S–.20 152.6E–.20 55 3.7b 8 1-150
IDC VI 23 05 27 30.4–3.5 4.78S 152.57E 53–24 3.7,3.4b ¶610789313
ISC Event type ke.
IDC Error ellipse: s-maj=47.7km s-min=22.3km az=107.0.
ISC VI 24 12 18 20.2–1.6 5.1S–.30 151.8E–.40 150 3.2b 10 1-83
IDC VI 24 12 18 19.3–1.4 5.14S 151.74E 131–6 3.7s,3.6 ¶610789387
ISC Event type ke.
IDC Error ellipse: s-maj=57.6km s-min=13.0km az=124.0.
IDC VI 24 23 42 59.8–1.8 6.06S 149.60E 0 3.9,3.7b ¶610789410
IDC Error ellipse: s-maj=81.1km s-min=19.8km az=136.0.
IDC VI 26 09 03 44.3–3.0 5.27S 152.38E 243–32 3.6,3.2b ¶610789498
IDC Error ellipse: s-maj=147.9km s-min=26.0km az=135.0.
ISC VI 26 16 01 15.5–1.5 6.0S–.20 148.0E–.20 35 10 3-26
IDC VI 26 16 01 14.8–4.6 6.21S 148.15E 21–23 3.9,3.9L ¶610789516
ISC Event type ke.
IDC Error ellipse: s-maj=64.0km s-min=18.9km az=136.0.

ISC VI 27 06 15 05.5–1.2 6.4S–.20 148.6E–.20 46 4.0b 13 3-147
IDC VI 27 06 15 05.0–1.1 6.47S 148.73E 40–9 4.1,3.8b ¶610789549
ISC Event type ke.
IDC Error ellipse: s-maj=31.0km s-min=13.0km az=122.0.
ISC VI 27 14 13 29.0–.76 4.4S–.10 150.1E–.10 539 4.0b 51 2-148
IDC VI 27 14 13 28.1–.81 4.35S 150.09E 520–9 4.0,3.0b ¶610789577
NEIC VI 27 14 13 28.6–1.1 4.3S–.10 150.1E–.10 518–10 4.0b,3.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 27 23 15 35.9–1.1 5.0S–.20 151.3E–.20 150 3.6b 8 1-149
IDC VI 27 23 15 35.9–.86 5.01S 151.33E 158–10 3.9,3.3b ¶610789603
ISC Event type ke.
IDC Error ellipse: s-maj=40.1km s-min=16.3km az=138.0.
ISC VI 29 09 57 03.0–1.4 4.3S–.20 151.9E–.20 177–9 4.0b 9 0-149
IDC VI 29 09 57 03.0–1.0 4.29S 151.93E 174–6 4.2,3.8b ¶610789712
ISC Event type ke.
IDC Error ellipse: s-maj=32.0km s-min=19.5km az=146.0.
ISC VI 30 00 06 29.4–1.2 6.1S–.30 151.1E–.40 43 3.9b 8 2-149
IDC VI 30 00 06 30.2–2.6 6.12S 151.12E 52–25 4.0,3.7b ¶610789745
ISC Event type ke.
IDC Error ellipse: s-maj=77.3km s-min=19.0km az=123.0.
IDC VI 30 00 10 32.7–1.6 5.57S 150.20E 0 3.6,3.6L ¶610789746
IDC Error ellipse: s-maj=100.2km s-min=21.4km az=140.0.
IDC VI 30 23 17 04.3–1.8 6.35S 148.19E 0 3.5,3.4b ¶610789817
IDC Error ellipse: s-maj=82.1km s-min=25.0km az=115.0.

(193) Bougainville-Solomon Islands region.

ISC I 01 10 14 07.1–.53 7.44S–.07 154.70E–.09 35 4.4b,3.3s 194 4-153
IDC I 01 10 14 01.0–.70 7.51S 154.86E 0 4.3,4.3b ¶609947738
NEIC I 01 10 14 07.5–2.0 7.44S–.06 154.75E–.10 36–8 4.5b,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 01 14 43 56.5–1.3 6.6S–.20 154.6E–.20 48 3.6b 7 3-153
IDC I 01 14 43 50.0–1.6 6.51S 154.55E 0 3.6,3.6b ¶610236392
ISC Event type ke.
IDC Error ellipse: s-maj=48.0km s-min=25.5km az=116.0.
ISC I 01 16 50 44.3–.00 11.5S–.10 163.1E–.10 35 3.9b,3.6s 11 4-92
IDC I 01 16 50 46.5–3.2 11.58S 162.94E 58–26 3.9,3.7s ¶610236401
ISC Event type ke.
IDC Error ellipse: s-maj=29.4km s-min=18.8km az=69.0.
IDC I 01 21 10 45.1–3.0 5.85S 154.32E 0 3.5,3.4b ¶610236417
IDC Error ellipse: s-maj=57.3km s-min=35.1km az=66.0.
ISC I 01 21 30 21.7–.55 10.46S–.07 161.44E–.09 61 4.6b 53 2-132
IDC I 01 21 30 22.6–2.4 10.45S 161.40E 71–19 4.2,3.9b ¶610236419
NEIC I 01 21 30 23.0–1.2 10.3S–.20 161.4E–.10 59–11 4.7b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 02 03 21 36.2–.38 10.74S–.05 162.01E–.06 41–3 5.0b,3.8s 265 2-161
IDC I 02 03 21 36.0–.51 10.68S 161.82E 38–3 4.5,4.3b ¶609949347
NEIC I 02 03 21 37.3–1.8 10.74S–.08 162.05E–.09 51–7 5.1b,4.3b
NOU I 02 03 21 37.5 10.70S 161.97E 50 5.2b,4.3b
GCMT I 02 03 21 38.3–.30 10.74S–.02 161.89E–.02 41–1 5.0W,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Solomon Islands.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s25,c28; s74,c92;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.13±.23 $M_{\theta\theta}$-1.02±.16; $M_{\phi\phi}$-1.11±.14; $M_{r\theta}$-1.13±.12; $M_{\theta\phi}$2.56±.10; $M_{\phi r}$-0.66±.11; Best double couple: NP1:ϕ_s284.00000°,δ59.00000°,λ45.00000°. NP2:ϕ_s167.00000°,δ53.00000°,λ140.00000°. Principal axes: T 3.1270,Plg52.0000° ,Azm139.0000°; N 0.5180,Plg38.0000°,Azm312.0000°; P -3.6450,Plg3.0000°,Azm45.0000° $M_0$3.38600×10^{16}
IDC I 02 20 01 07.2–3.0 5.46S 154.48E 0 3.6L,3.2 ¶610236511
IDC Error ellipse: s-maj=53.2km s-min=36.6km az=71.0.
IDC I 02 20 11 08.2–9.0 10.29S 160.63E 0 3.6,3.6b ¶610236512
IDC Error ellipse: s-maj=260.9km s-min=35.9km az=119.0.
ISC I 03 06 50 43.8–1.0 5.2S–.10 154.1E–.10 105 3.7b 15 2-152
IDC I 03 06 50 43.8–4.1 5.14S 154.09E 102–29 4.0,3.6b ¶610236537
ISC Event type ke.
IDC Error ellipse: s-maj=38.1km s-min=15.7km az=95.0.
ISC I 03 07 48 49.3–.62 10.84S–.08 161.9E–.10 36 3.9b,3.2s 28 2-97
NEIC I 03 07 48 50.6–2.1 10.74S–.09 161.8E–.10 43–10 4.4b,3.2s ¶610236542
IDC I 03 07 48 51.9–2.7 10.82S 161.73E 60–22 3.9,3.9L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.0km s-min=11.9km az=73.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=25.0km s-min=15.5km az=71.0.
ISC I 03 08 41 19.6–.47 10.66S–.06 161.44E–.08 10 4.5b,3.6s 67 2-97
IDC I 03 08 41 17.9–.68 10.68S 161.39E 0 4.3L,4.2 ¶610057015
NOU I 03 08 41 18.1 10.36S 161.91E 0 5.0b,4.2
NEIC I 03 08 41 20.5–1.6 10.62S–.09 161.4E–.10 10–1 4.6b,4.2
ISC Event type se.
NOU Solomon Islands.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 04 11 22 26.8–.71 10.63S–.08 161.7E–.10 50 4.0b 24 2-91
NEIC I 04 11 22 24.9–2.0 10.80S–.07 161.52E–.06 10–2 4.5b ¶610236695
IDC I 04 11 22 28.2–6.2 10.44S 161.60E 61–46 4.1L,3.8
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=7.6km az=147.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=45.2km s-min=24.8km az=106.0.
ISC I 04 13 19 24.6–.79 6.17S–.09 154.29E–.07 61 3.8b 14 3-83
IDC I 04 13 19 25.1–1.6 6.20S 154.28E 70–14 4.0,3.6b ¶610236700
ISC Event type ke.
IDC Error ellipse: s-maj=17.9km s-min=12.0km az=38.0.
ISC I 04 13 39 09.2–1.3 11.3S–.20 161.3E–.30 35 3.3b 7 2-91
IDC I 04 13 39 05.1–2.0 11.30S 161.18E 0 4.3L,3.5 ¶610236701
ISC Event type ke.
IDC Error ellipse: s-maj=49.0km s-min=24.8km az=75.0.
ISC I 04 14 10 23.6–1.1 10.6S–.10 161.4E–.10 61 4.1b 23 2-79
NEIC I 04 14 10 22.6–1.6 10.6S–.10 161.3E–.10 39–14 4.4b ¶610236702
IDC I 04 14 10 24.1–2.8 10.60S 161.19E 54–33 3.9,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=27.7km s-min=5.0km az=220.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=59.4km s-min=19.4km az=46.0.
ISC I 04 16 24 03.1–.39 10.52S–.05 161.41E–.06 61 4.7b 271 2-148
NOU I 04 16 24 01.6 10.16S 161.67E 58 4.6b ¶610236708
NEIC I 04 16 24 02.6–1.9 10.46S–.08 161.38E–.09 51–6 4.7b
IDC I 04 16 24 03.7–2.4 10.47S 161.39E 65–19 4.3,4.0b
ISC Event type se.
NOU Solomon Islands.
NEIC Event type se. Error ellipse: s-maj=14.2km s-min=10.1km az=62.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=21.1km s-min=13.1km az=84.0.
ISC I 04 21 03 46.9–.42 10.52S–.04 161.36E–.05 52–3 5.1b,4.3s 466 2-151
BJI I 04 21 03 46.2–.00 10.02S 161.60E 53 5.1b,4.8s ¶609985351
GCMT I 04 21 03 46.0–.30 10.54S–.03 161.37E–.02 36–2 5.0W,4.8s
NEIC I 04 21 03 47.0–1.5 10.48S–.07 161.40E–.08 49–2 5.2b,4.8s
IDC I 04 21 03 48.3–1.8 10.45S 161.28E 64–15 4.7,4.4b
NOU I 04 21 03 48.7 10.45S 161.48E 63 5.1b,4.4b
ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s28,c32; s74,c97;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.67±.25 $M_{\theta\theta}$-0.49±.18; $M_{\phi\phi}$-1.18±.16; $M_{r\theta}$1.61±.20; $M_{\theta\phi}$2.52±.12; $M_{\phi r}$-3.22±.26; Best double couple: NP1:ϕ_s157.00000°,δ75.00000°,λ108.00000°. NP2:ϕ_s286.00000°,δ24.00000°,λ42.00000°. Principal axes: T 3.7660,Plg57.0000° ,Azm91.0000°; N 1.4140,Plg18.0000°,Azm332.0000°; P -5.1830,Plg27.0000°,Azm233.0000° $M_0$4.47500×10^{16}
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=9.1km az=51.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=16.2km s-min=10.5km az=78.0.
NOU Solomon Islands.
ISC I 05 07 41 52.3–1.1 11.2S–.20 161.5E–.20 28 3.8b 9 2-97
IDC I 05 07 41 47.9–1.2 11.18S 161.51E 0 4.6L,3.9 ¶610236761
ISC Event type ke.
IDC Error ellipse: s-maj=32.7km s-min=25.6km az=145.0.
ISC I 05 08 26 00.7–1.3 6.16S–.10 154.5E–.10 61 3.0b 8 3-83
IDC I 05 08 26 00.9–3.9 6.11S 154.44E 58–39 3.5,3.0b ¶610236763
ISC Event type ke.
IDC Error ellipse: s-maj=30.4km s-min=20.1km az=89.0.
ISC I 05 12 26 55.5–.57 10.71S–.07 162.09E–.08 35 4.0b,3.1s 39 2-96
IDC I 05 12 26 54.8–.82 10.74S 162.02E 38–6 4.3L,4.0 ¶610236773
NOU I 05 12 26 58.4 10.77S 162.04E 55 4.9b,4.0
ISC Event type ke.
IDC Error ellipse: s-maj=19.9km s-min=18.4km az=90.0.
NOU Solomon Islands.
ISC I 05 13 33 05.7–1.1 6.18S–.10 154.47E–.09 61 3.3b 10 3-82
IDC I 05 13 32 57.5–1.5 6.23S 154.71E 0 3.9,3.4b ¶610236775
ISC Event type ke.
IDC Error ellipse: s-maj=33.8km s-min=29.6km az=17.0.
ISC I 05 14 33 48.8–.90 6.2S–.10 154.5E–.10 61 3.5b 14 3-96
IDC I 05 14 33 48.2–4.5 6.22S 154.53E 57–35 3.8,3.4b ¶610236776
ISC Event type ke.
IDC Error ellipse: s-maj=40.2km s-min=20.7km az=117.0.
IDC I 06 00 51 44.8–10 9.88S 159.18E 0 3.7,3.7b ¶610236803
IDC Error ellipse: s-maj=297.2km s-min=37.4km az=117.0.
IDC I 06 05 27 40.0–3.1 10.63S 161.69E 0 5.1L,3.7 ¶610236811
IDC Error ellipse: s-maj=56.3km s-min=36.5km az=74.0.
ISC I 06 07 53 31.0–.60 6.16S–.07 154.50E–.09 61 4.0b 24 3-120
IDC I 06 07 53 29.2–2.1 6.18S 154.55E 44–18 4.1,3.8b ¶610236819
ISC Event type ke.
IDC Error ellipse: s-maj=18.5km s-min=12.1km az=78.0.
ISC I 06 14 00 20.8–.94 5.86S–.10 154.6E–.10 100 3.3b 19 3-84
IDC I 06 14 00 21.2–3.0 5.83S 154.58E 104–30 3.8,3.7s ¶610236837
NEIC I 06 14 00 22.2–1.2 5.9S–.20 154.6E–.10 110–17 4.4b,3.7s
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 06 17 50 34.1–.59 5.76S–.07 154.25E–.06 100 3.7b 38 3-83
IDC I 06 17 50 32.6–1.9 5.79S 154.27E 81–17 3.9,3.4b ¶610236844
NEIC I 06 17 50 33.2–1.4 5.74S–.09 154.28E–.05 83–10 4.2b,3.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC I 06 18 45 14.3–3.0 5.94S 154.07E 0 3.7L,3.3 ¶610236848
IDC Error ellipse: s-maj=57.0km s-min=31.1km az=80.0.
ISC I 06 20 55 38.5–.51 11.15S–.06 162.99E–.08 35 4.5b,3.3s 79 3-95
NEIC I 06 20 55 39.5–2.0 11.10S–.08 162.99E–.09 37–8 4.6b,3.3s ¶610236855
NOU I 06 20 55 39.7 11.01S 163.02E 134 4.5b,3.3s
IDC I 06 20 55 40.6–2.9 11.18S 162.85E 49–23 4.3,4.3L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.6km s-min=9.2km az=50.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Solomon Islands.
IDC Error ellipse: s-maj=25.9km s-min=15.4km az=84.0.
ISC I 06 21 24 58.6–.60 11.19S–.07 161.8E–.10 36 4.0b 28 3-97
NEIC I 06 21 24 54.7–2.0 11.1S–.10 162.0E–.20 10–7 4.3b ¶610236857
IDC I 06 21 24 54.4–1.1 11.10S 161.76E 0 4.1L,3.8
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=24.6km s-min=9.7km az=58.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=30.3km s-min=26.4km az=138.0.
ISC I 06 22 31 11.9–.80 11.19S–.09 161.7E–.10 35 3.7b 26 2-97
NEIC I 06 22 31 10.9–1.3 11.34S–.10 161.6E–.10 10–2 4.0b ¶610236860
IDC I 06 22 31 12.2–3.0 11.17S 161.67E 42–26 4.2L,3.8
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=22.8km s-min=11.1km az=51.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=29.9km s-min=18.5km az=68.0.
ISC I 07 05 12 25.3–1.3 5.8S–.10 154.6E–.10 61 3.3b 9 3-82
IDC I 07 05 12 28.7–5.2 5.83S 154.27E 88–40 3.7,3.2b ¶610236877
ISC Event type ke.
IDC Error ellipse: s-maj=46.7km s-min=20.7km az=98.0.
IDC I 07 07 36 02.2–6.8 5.32S 154.37E 0 3.7,3.7b ¶610236884
IDC Error ellipse: s-maj=178.6km s-min=48.1km az=101.0.
ISC I 07 14 39 39.0–1.6 8.7S–.20 158.8E–.10 35 3.0b 7 1-87
IDC I 07 14 39 33.8–2.0 8.50S 158.75E 0 3.9L,3.6 ¶610236905
ISC Event type ke.
IDC Error ellipse: s-maj=44.8km s-min=25.0km az=21.0.
IDC I 07 14 59 06.2–2.0 7.83S 157.28E 0 4.8L,3.6 ¶610236906
IDC Error ellipse: s-maj=48.8km s-min=35.1km az=6.0.
IDC I 07 20 48 12.8–2.2 9.39S 160.32E 0 3.4,3.4b ¶610236924
IDC Error ellipse: s-maj=53.6km s-min=22.1km az=166.0.
ISC I 07 21 37 38.2–2.3 7.4S–.40 155.8E–.40 35 3.7b 7 24-93
IDC I 07 21 37 33.9–2.1 7.14S 155.54E 0 3.7,3.7b ¶610236927
ISC Event type ke.
IDC Error ellipse: s-maj=67.6km s-min=26.9km az=124.0.
ISC I 08 02 16 15.2–1.1 10.5S–.20 161.2E–.10 35 3.8b,3.6s 9 2-97
IDC I 08 02 16 09.9–1.2 10.47S 161.22E 0 4.0,4.0b ¶610236934
ISC Event type ke.
IDC Error ellipse: s-maj=29.6km s-min=24.4km az=162.0.
ISC I 08 04 09 31.3–.83 10.46S–.10 161.4E–.10 50 3.8b,3.5s 13 2-96
IDC I 08 04 09 32.3–2.7 10.45S 161.28E 58–22 4.0,3.7b ¶610236939
ISC Event type ke.
IDC Error ellipse: s-maj=25.0km s-min=15.9km az=73.0.
IDC I 08 14 16 34.7–9.8 5.88S 154.94E 0 3.6,3.6b ¶610236966
IDC Error ellipse: s-maj=301.3km s-min=43.6km az=109.0.
IDC I 09 08 45 31.9–1.7 10.59S 161.32E 0 3.7,3.7b ¶610237011
IDC Error ellipse: s-maj=33.4km s-min=32.0km az=100.0.
ISC I 09 13 12 16.0–.72 10.80S–.08 161.0E–.10 18 4.0b,3.6s 28 2-90
NEIC I 09 13 12 15.2–1.2 10.7S–.10 161.09E–.08 10–1 4.2b,3.6s ¶610237031
IDC I 09 13 12 20.4–2.6 10.75S 161.11E 49–21 3.9,3.6s
ISC Event type se.

NEIC Event type se. Error ellipse: s-maj=20.5km s-min=5.3km az=35.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=30.3km s-min=16.1km az=73.0.
ISC I 09 17 06 27.7–.68 10.25S–.09 161.02E–.10 10 4.3b,3.2s 33 1-96
IDC I 09 17 06 25.3–1.1 10.28S 161.15E 0 3.9,3.9b **¶610237036**
NEIC I 09 17 06 30.9–1.6 10.2S–.10 161.0E–.10 28–2 4.4b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 09 18 20 41.8–.35 10.76S–.05 161.80E–.06 36 4.8b,4.0s 161 2-149
BJI I 09 18 20 39.1–.00 10.65S 161.98E 31 5.3b,4.9s **¶610050761**
GCMT I 09 18 20 42.9–.40 10.82S–.03 161.59E–.03 32–0 4.9W,4.9s
NEIC I 09 18 20 42.9–1.4 10.74S–.08 161.6E–.10 36–7 4.9b,4.9s
IDC I 09 18 20 44.2–2.5 10.83S 161.66E 58–21 4.9L,4.4
NOU I 09 18 21 04.2 11.37S 161.52E 213 4.5b,4.4
ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s32,c37; s51,c66;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}2.94±.21 $M_{\theta\theta}$-1.59±.14 $M_{\phi\phi}$-1.34±.13; $M_{r\theta}$0.32±.18; $M_{\theta\phi}$1.86±.10; $M_{\phi r}$-0.33±.17; Best double couple: NP1:ϕ_s133.00000°,δ49.00000°,λ91.00000°. NP2:ϕ_s313.00000°,δ41.00000°,λ89.00000°. Principal axes: T 2.9730,Plg86.0000° ,Azm49.0000°; N 0.3990,Plg0.0000°,Azm313.0000°; P -3.3620,Plg4.0000°,Azm223.0000° $M_0$3.16800×10^{16}
NEIC Event type se. Error ellipse: s-maj=16.6km s-min=10.3km az=59.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=18.6km s-min=14.0km az=81.0.
NOU Solomon Islands.
ISC I 09 19 31 35.3–1.3 11.5S–.10 163.9E–.20 35 4.0b 20 4-78
IDC I 09 19 31 31.3–2.0 11.43S 163.74E 0 5.0L,4.0 **¶610237039**
NEIC I 09 19 31 35.6–1.1 11.4S–.10 163.9E–.20 35–15 4.3b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC I 09 23 42 11.2–3.2 10.49S 161.23E 0 3.5,3.5b
¶610237045
IDC Error ellipse: s-maj=111.1km s-min=33.7km az=130.0.
ISC I 10 02 24 23.2–1.0 10.7S–.10 161.4E–.20 61 3.7b 9 2-90
IDC I 10 02 24 23.1–2.6 10.61S 161.41E 59–21 3.8,3.8L **¶610237050**
ISC Event type ke.
IDC Error ellipse: s-maj=32.1km s-min=15.3km az=58.0.
ISC I 10 14 56 25.2–.47 8.56S–.07 160.25E–.08 50 4.4b 82 1-96
NEIC I 10 14 56 26.9–1.2 8.71S–.06 160.4E–.10 66–6 4.5b **¶610237090**
IDC I 10 14 56 27.4–1.2 8.66S 160.11E 71–11 4.1,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.8km s-min=7.5km az=105.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=24.5km s-min=18.3km az=141.0.
ISC I 10 15 27 15.5–.26 10.18S–.03 161.02E–.03 40–2 6.3s,6.1b 2021 1-166
BJI I 10 15 27 11.6–.00 10.10S 161.06E 20 6.1b,6.1s **¶610180874**
NEIC I 10 15 27 14.8–1.4 10.11S–.07 161.03E–.06 26–1 6.4,6.3
MOS I 10 15 27 16.0–.75 10.14S 160.97E 55 6.2b,6.2s
IDC I 10 15 27 17.9–1.0 10.17S 161.01E 57–8 6.1s,5.7
GCMT I 10 15 27 17.8–.10 10.21S 161.03E 32–0 6.3W,5.7
NEIC I 10 15 27 22 10.23S 161.09E 30 6.3W,5.7
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s2.70693°,δ46.60951°,λ117.39972°. NP2: ϕ_s145.67088°,δ49.82180°,λ64.04295°. Principal axes: T Plg70.3835°,Azm348.4672° ; N Plg19.5372°,Azm163.1068°; P Plg1.6937°,Azm253.7081°
NEIC Event type se. Error ellipse: s-maj=13.0km s-min=9.3km az=207.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}2.15 $M_{\theta\theta}$-0.69 $M_{\phi\phi}$-1.46 $M_{r\theta}$-0.25 $M_{\theta\phi}$1.34 $M_{\phi r}$0.28 NP1:ϕ_s144.08000°,δ40.39000°,λ91.54000°. NP2:ϕ_s322.05000°,δ49.62000° ,λ88.69000°. Principal axes: T 2.1770,Plg85.0000°,Azm221.0000°; N 0.3238,Plg1.0000° ,Azm323.0000°; P -2.5008,Plg5.0000°,Azm53.0000° $M_0$2.36000×10^{18}
MOS Error ellipse: s-maj=6.2km s-min=5.0km az=104.0.
IDC Error ellipse: s-maj=10.9km s-min=7.8km az=54.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s161,c383; s150,c484; Duration: 3s3 Moment tensor: Scale 10^{18}Nm; M_{rr}3.06±.02 $M_{\theta\theta}$-1.03±.01; $M_{\phi\phi}$-2.04±.01; $M_{r\theta}$-0.35±.02; $M_{\theta\phi}$1.34±.01; $M_{\phi r}$0.15±.02; Best double couple: NP1:ϕ_s322.00000°,δ48.00000° ,λ85.00000°. NP2:ϕ_s149.00000°,δ42.00000°,λ95.00000°. Principal axes: T 3.0900,Plg85.0000°,Azm186.0000°; N -0.1160,Plg4.0000°,Azm325.0000° ; P -2.9850,Plg3.0000°,Azm55.0000° $M_0$3.03800×10^{18}
NEIC Event type se. Moment Tensor Solution.Duration: 10s0 Moment tensor: Scale 10^{18}Nm; M_{rr}3.98 $M_{\theta\theta}$-1.44 $M_{\phi\phi}$-2.54 $M_{r\theta}$-0.23 $M_{\theta\phi}$1.42 $M_{\phi r}$-0.10 NP1:ϕ_s149.00000°,δ45.00000° ,λ95.00000°. NP2:ϕ_s322.00000°,δ45.00000°,λ85.00000°. Principal axes: T 3.9917,Plg87.0000°,Azm152.0000°; N -0.4788,Plg3.0000°,Azm326.0000° ; P -3.5128,Plg0.0000°,Azm56.0000° $M_0$3.78000×10^{18}
ISC I 10 18 30 30.8–.52 10.21S–.07 161.08E–.08 35 4.6b 67 1-141
NEIC I 10 18 30 27.7–1.8 10.11S–.09 161.06E–.05 10–5 4.7b **¶610237095**
IDC I 10 18 30 32.9–2.3 10.20S 161.04E 49–20 4.4s,4.2
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.8km s-min=7.5km az=192.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=24.4km s-min=16.4km az=80.0.
ISC I 10 20 19 02.9–.71 10.64S–.08 161.3E–.10 35 4.3b 30 2-97
NEIC I 10 20 19 01.5–1.7 10.6S–.10 161.2E–.10 11–1 4.5b **¶610237105**
IDC I 10 20 19 04.0–3.1 10.46S 161.44E 51–26 3.9L,3.6
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.9km s-min=13.4km az=56.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=31.2km s-min=18.6km az=54.0.
ISC I 11 02 49 18.0–.45 6.19S–.04 154.48E–.05 58–3 5.0b,4.1s 457 3-152
MOS I 11 02 49 15.0–1.4 6.09S 154.44E 42 4.9b,4.1s **¶610051737**
BJI I 11 02 49 16.3–.00 5.59S 154.45E 30 5.2b,4.8b
IDC I 11 02 49 17.3–1.3 6.09S 154.61E 61–10 4.7,4.4b
DJA I 11 02 49 19.3–.50 6S–3.0 154E–4.0 57–5 5.9,5.6b
GCMT I 11 02 49 19.1–.20 6.31S–.02 154.44E–.02 43–1 5.1W,5.6b
NEIC I 11 02 49 19.1–1.3 6.12S–.07 154.46E–.07 69–4 5.1b,5.6b
ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s44,c55; s83,c106;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}2.70±.22 $M_{\theta\theta}$0.59±.18; $M_{\phi\phi}$-3.29±.16; $M_{r\theta}$-0.13±.15; $M_{\theta\phi}$2.41±.12; $M_{\phi r}$-3.10±.17; Best double couple: NP1:ϕ_s178.00000°,δ69.00000°,λ117.00000°. NP2:ϕ_s304.00000°,δ34.00000°,λ41.00000°. Principal axes: T 4.3640,Plg57.0000° ,Azm125.0000°; N 1.0390,Plg25.0000°,Azm348.0000°; P -5.4040,Plg19.0000° ,Azm249.0000° $M_0$4.88400×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 11 03 16 41.5–.88 6.09S–.09 154.7E–.10 61 3.4b 15 3-152
IDC I 11 03 16 44.8–2.5 6.08S 154.44E 85–19 3.9,3.5s **¶610237121**
ISC Event type ke.
IDC Error ellipse: s-maj=23.5km s-min=15.8km az=82.0.
ISC I 11 06 15 54.0–.95 10.0S–.10 161.4E–.10 35 3.4b 10 1-96
IDC I 11 06 15 54.6–2.9 10.00S 161.32E 42–26 4.1L,3.8 **¶610237130**
ISC Event type ke.
IDC Error ellipse: s-maj=28.8km s-min=15.4km az=48.0.
ISC I 11 12 15 08.8–.66 6.20S–.09 154.80E–.09 89 4.0b 32 3-84
IDC I 11 12 15 07.9–2.3 6.36S 154.69E 67–22 3.9,3.5b **¶610237146**
NEIC I 11 12 15 08.5–1.7 6.01S–.10 154.84E–.03 96–10 4.1b,3.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 11 12 15 45.9–.65 6.38S–.09 154.82E–.09 100 4.0b 34 3-84
IDC I 11 12 15 45.0–2.9 6.41S 154.88E 96–23 4.1,3.6b **¶610237149**
NEIC I 11 12 15 46.0–.98 6.4S–.20 154.8E–.10 90–14 4.2b,3.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 11 15 15 40.4–.70 6.83S–.09 155.48E–.08 50 3.8b 18 4-148
IDC I 11 15 15 41.5–2.9 6.86S 155.41E 60–25 4.0,3.7b **¶610237165**
ISC Event type ke.
IDC Error ellipse: s-maj=19.5km s-min=16.1km az=70.0.
ISC I 11 17 55 51.5–.56 5.51S–.07 154.39E–.07 118 4.0b 50 3-152
NEIC I 11 17 55 50.2–1.8 5.4S–.10 154.40E–.03 103–18 4.3b **¶610237176**
IDC I 11 17 55 51.4–1.7 5.59S 154.37E 111–16 4.2,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.0km s-min=3.7km az=182.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=16.9km s-min=13.5km az=36.0.
ISC I 11 17 57 44.2–.65 5.96S–.09 154.4E–.10 61 3.8b 22 3-84
NEIC I 11 17 57 41.1–2.0 6.2S–.10 154.34E–.07 10–2 4.3b **¶610237177**
IDC I 11 17 57 42.3–3.8 6.03S 154.44E 42–33 4.2L,3.7
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.3km s-min=11.4km az=166.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=31.9km s-min=21.1km az=68.0.
ISC I 11 22 46 04.4–.66 6.05S–.07 154.35E–.09 35 4.1s,3.9b 29 3-152
NEIC I 11 22 46 01.6–1.5 6.13S–.06 154.36E–.07 10–1 4.1b,3.9b **¶610237209**
IDC I 11 22 46 08.6–3.3 6.05S 154.13E 66–27 4.2s,3.9
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.0km s-min=8.2km az=225.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=28.6km s-min=22.0km az=106.0.
IDC I 12 02 48 05.5–2.4 7.81S 154.95E 0 3.5,3.5b
¶610237221
IDC Error ellipse: s-maj=95.0km s-min=28.8km az=128.0.
IDC I 12 07 56 22.8–3.0 8.12S 159.31E 0 4.1,4.1b
¶610237228
IDC Error ellipse: s-maj=62.7km s-min=21.9km az=48.0.
IDC I 12 12 19 30.6–1.7 10.37S 161.19E 76–10 3.7,3.3b
¶610237239
IDC Error ellipse: s-maj=33.5km s-min=12.4km az=53.0.
ISC I 12 13 42 36.4–.88 6.73S–.09 154.81E–.09 50 3.7b 12 4-96
IDC I 12 13 42 37.4–3.5 6.78S 154.72E 61–30 3.8,3.7s **¶610237242**
ISC Event type ke.
IDC Error ellipse: s-maj=26.4km s-min=17.3km az=95.0.
ISC I 12 16 36 30.9–.52 10.37S–.06 161.40E–.07 61 4.5b 65 2-96
NOU I 12 16 36 29.5 10.44S 161.36E 0 5.0b **¶610237248**
IDC I 12 16 36 29.3–.92 10.56S 161.39E 47–7 4.1,3.8b
NEIC I 12 16 36 30.8–1.9 10.38S–.08 161.4E–.10 56–4 4.6b,3.8b
ISC Event type se.
NOU Solomon Islands.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 12 20 57 18.8–1.8 6.5S–.30 154.3E–.40 48 3.3b 8 3-152
IDC I 12 20 57 11.9–1.7 6.42S 154.39E 0 3.4,3.4b **¶610237259**
ISC Event type ke.
IDC Error ellipse: s-maj=71.7km s-min=28.9km az=120.0.
IDC I 12 23 39 46.4–2.5 6.11S 154.36E 0 3.5L,3.4
¶610237266
IDC Error ellipse: s-maj=63.2km s-min=35.2km az=101.0.
ISC I 13 01 56 11.0–1.3 10.3S–.20 161.2E–.20 62 3.8b 9 2-90
IDC I 13 01 56 11.3–3.0 10.35S 161.17E 63–20 4.2,3.7b **¶610237269**
ISC Event type ke.
IDC Error ellipse: s-maj=35.4km s-min=18.6km az=65.0.
ISC I 13 02 12 46.8–1.3 9.8S–.20 160.6E–.10 37 3.6b 7 1-96
IDC I 13 02 12 41.5–1.5 9.78S 160.63E 0 3.8,3.8b **¶610237270**
ISC Event type ke.
IDC Error ellipse: s-maj=34.9km s-min=20.7km az=8.0.
ISC I 13 05 31 58.7–.43 10.78S–.06 161.94E–.06 35 4.7b,3.6s 79 2-127
NEIC I 13 05 31 59.0–1.7 10.68S–.09 161.92E–.06 35–6 4.8b,3.6s **¶610101632**
NOU I 13 05 32 00.1 10.73S 161.87E 27 5.0b,3.6s
IDC I 13 05 32 00.9–2.5 10.69S 161.71E 61–21 4.5L,4.3
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.4km s-min=5.4km az=210.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Solomon Islands.
IDC Error ellipse: s-maj=21.4km s-min=14.7km az=77.0.
IDC I 13 10 18 58.9–4.8 7.51S 155.79E 0 3.5,3.5b
¶610237290
IDC Error ellipse: s-maj=142.5km s-min=43.6km az=115.0.
ISC I 13 10 23 10.9–1.3 10.8S–.10 162.0E–.20 35 3.4b 8 2-96
IDC I 13 10 23 14.7–3.0 10.65S 161.75E 62–25 4.3L,3.7 **¶610237291**
ISC Event type ke.
IDC Error ellipse: s-maj=31.8km s-min=19.4km az=58.0.
ISC I 13 18 56 44.5–1.8 6.4S–.10 154.7E–.20 48 3.3b 8 3-153
IDC I 13 18 56 38.1–2.0 6.40S 154.72E 0 3.5s,3.5 **¶610237307**
ISC Event type ke.
IDC Error ellipse: s-maj=39.4km s-min=30.5km az=105.0.
ISC I 13 18 59 45.2–.53 10.74S–.07 161.61E–.08 35 4.2b,3.6s 42 2-97
NEIC I 13 18 59 43.2–2.8 10.61S–.07 161.54E–.08 19–5 4.4b,3.6s **¶610237308**
IDC I 13 18 59 46.5–3.4 10.78S 161.56E 40–28 4.0,4.0L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.6km s-min=3.3km az=48.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=25.8km s-min=22.6km az=104.0.
ISC I 14 03 08 58.6–.52 6.94S–.07 155.11E–.07 41 4.2b,3.6s 53 4-153
NEIC I 14 03 08 56.5–1.9 6.83S–.09 155.27E–.04 43–11 4.1b,3.6s **¶610237327**
IDC I 14 03 08 57.9–3.4 6.84S 154.97E 29–21 4.2,4.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.0km s-min=4.5km az=161.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=27.8km s-min=17.0km az=128.0.
IDC I 14 17 33 56.0–3.4 11.00S 161.43E 0 3.6,3.6b
¶610237369
IDC Error ellipse: s-maj=114.0km s-min=32.2km az=130.0.
ISC I 14 18 43 32.7–.36 11.00S–.05 161.41E–.06 35 5.0b,4.9s 171 2-124
IDC I 14 18 43 28.2–.87 11.02S 161.40E 0 4.3,4.3b **¶610237374**
NEIC I 14 18 43 32.7–1.8 10.95S–.07 161.45E–.09 37–7 5.2b,4.3b
BJI I 14 18 43 34.0–.00 10.58S 161.18E 37 5.3b,5.1s
ISC Event type se.
IDC Error ellipse: s-maj=22.5km s-min=18.1km az=111.0.
NEIC Event type se. Error ellipse: s-maj=13.5km s-min=9.0km az=54.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 15 03 39 12.8–1.9 10.5S–.20 161.5E–.20 50 3.8b 6 2-90
IDC I 15 03 39 12.0–6.8 10.51S 161.54E 44–50 4.1L,3.9 **¶610237410**
ISC Event type ke.
IDC Error ellipse: s-maj=57.4km s-min=30.0km az=80.0.
ISC I 15 12 13 07.1–.64 10.86S–.09 161.6E–.10 50 4.2b,3.4s 36 2-97
NOU I 15 12 13 03.4 10.67S 161.63E 0 5.1b,3.4s **¶610237436**
IDC I 15 12 13 07.5–3.0 10.76S 161.52E 52–25 4.8L,3.9
NEIC I 15 12 13 07.7–1.3 10.73S–.10 161.5E–.10 45–8 4.5b,3.9
ISC Event type se.
NOU Solomon Islands.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 15 15 26 31.7–.37 6.21S–.05 154.47E–.05 61 4.5b 112 3-159
DJA I 15 15 26 29.0–.60 6S–6.0 155E–6.0 98–6 5.0b,4.9 **¶610237445**
NEIC I 15 15 26 29.5–1.4 6.22S–.04 154.53E–.06 35–1 4.7b,4.9

IDC I 15 15 26 32.4–1.3 6.14S 154.45E 71–11 4.2,3.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=4.7km az=123.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=13.4km s-min=9.6km az=45.0.
ISC I 15 23 30 29.3–1.6 6.68S–.09 154.4E–.20 35 3.7s,3.7b 9 3-99
IDC I 15 23 30 23.6–2.1 6.59S 154.51E 0 3.8,3.7s **¶610237461**
ISC Event type ke.
IDC Error ellipse: s-maj=45.9km s-min=23.8km az=92.0.
IDC I 16 02 33 16.7–2.6 10.88S 161.36E 0 4.6L,3.7
¶610237473
IDC Error ellipse: s-maj=59.1km s-min=38.9km az=71.0.
IDC I 16 05 37 48.8–6.7 6.33S 154.58E 0 3.3,3.3b
¶610237487
IDC Error ellipse: s-maj=205.6km s-min=43.1km az=111.0.
IDC I 16 06 08 19.1–6.6 9.04S 156.30E 0 3.5,3.5b
¶610237488
IDC Error ellipse: s-maj=115.0km s-min=86.4km az=7.0.
ISC I 16 11 06 31.2–2.0 10.7S–.20 161.9E–.20 35 3.5b 10 2-91
NOU I 16 11 06 28.6 10.62S 162.00E 4 4.9b **¶610237509**
IDC I 16 11 06 35.9–3.4 11.17S 160.64E 0 3.6,3.6b
ISC Event type ke.
NOU Solomon Islands.
IDC Error ellipse: s-maj=79.8km s-min=25.6km az=98.0.
IDC I 16 11 34 57.0–7.1 6.96S 154.74E 0 3.5,3.5b
¶610237512
IDC Error ellipse: s-maj=218.6km s-min=41.6km az=113.0.
ISC I 17 00 06 30.3–.78 11.24S–.08 161.4E–.10 28 3.8b 23 2-91
IDC I 17 00 06 26.9–1.3 11.08S 161.47E 0 5.1L,3.8 **¶610237550**
NEIC I 17 00 06 27.7–2.5 11.19S–.10 161.4E–.10 10–1 4.1b,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC I 17 02 57 10.6–6.7 10.54S 161.36E 49–58 3.5,3.3b
¶610237561
IDC Error ellipse: s-maj=52.3km s-min=38.3km az=121.0.
IDC I 17 10 34 14.9–1.9 5.41S 154.98E 0 3.5,3.5b
¶610237588
IDC Error ellipse: s-maj=40.4km s-min=33.2km az=140.0.
ISC I 17 12 17 08.1–.82 8.4S–.10 159.1E–.10 100 3.4b 11 1-87
IDC I 17 12 17 07.7–.84 8.36S 159.03E 90–8 3.7,3.4b **¶610237597**
ISC Event type ke.
IDC Error ellipse: s-maj=23.6km s-min=9.5km az=45.0.
ISC I 17 18 15 37.5–.58 10.74S–.08 161.77E–.08 50 4.0b,3.3s 42 2-97
NEIC I 17 18 15 37.8–2.1 10.73S–.09 161.7E–.10 47–9 4.2b,3.3s **¶610237612**
IDC I 17 18 15 38.9–2.5 10.75S 161.70E 68–20 4.0,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.3km s-min=9.5km az=60.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=23.4km s-min=14.8km az=73.0.
ISC I 17 22 18 38.7–1.2 10.9S–.20 161.7E–.10 28 3.8b 9 2-97
IDC I 17 22 18 44.9–5.9 10.76S 161.50E 73–43 4.9L,3.8 **¶610237627**
ISC Event type ke.
IDC Error ellipse: s-maj=47.3km s-min=25.3km az=117.0.
IDC I 18 13 15 47.6–1.8 9.78S 160.39E 0 3.4,3.4b
¶610237663
IDC Error ellipse: s-maj=41.3km s-min=22.2km az=32.0.
ISC I 18 14 05 45.3–1.1 10.8S–.10 161.7E–.10 28 3.5b 9 2-97
IDC I 18 14 05 49.6–2.8 10.93S 161.71E 71–22 3.7,3.3b **¶610237668**
ISC Event type ke.
IDC Error ellipse: s-maj=32.7km s-min=18.2km az=64.0.
IDC I 18 22 50 11.2–14 11.23S 161.24E 0 3.5,3.5b
¶610237690
IDC Error ellipse: s-maj=423.0km s-min=53.3km az=124.0.
ISC I 19 14 31 39.7–2.0 11.2S–.20 163.3E–.20 50 3.6b,3.4s 7 4-92
IDC I 19 14 31 40.6–3.9 11.19S 163.24E 59–28 3.8,3.6L **¶610237731**
ISC Event type ke.
IDC Error ellipse: s-maj=48.9km s-min=20.3km az=50.0.
IDC I 19 15 04 05.6–2.2 8.26S 159.30E 0 3.4s,3.4
¶610237733
IDC Error ellipse: s-maj=48.4km s-min=28.0km az=42.0.
ISC I 19 18 27 25.0–2.2 6.1S–.20 154.1E–.40 35 3.5b 6 3-152
IDC I 19 18 27 22.0–2.1 6.20S 153.99E 0 3.6,3.6b **¶610237738**
ISC Event type ke.
IDC Error ellipse: s-maj=60.0km s-min=27.6km az=99.0.
ISC I 19 23 04 20.3–.23 10.41S–.03 161.31E–.03 45–1 6.5s,6.4b 2344 2-175
BJI I 19 23 04 16.3–.00 10.27S 161.31E 20 6.4b,6.4s **¶615190385**
MOS I 19 23 04 18.3–1.1 10.25S 161.13E 35 6.5b,6.3s
IDC I 19 23 04 21.8–.90 10.40S 161.30E 59–7 6.3s,6.0
NOU I 19 23 04 21.7 10.37S 161.28E 42 6.7L,6.0
NEIC I 19 23 04 21.1–1.7 10.35S–.07 161.34E–.06 36–1 6.5,6.5
GCMT I 19 23 04 24.1–.00 10.40S 161.29E 42–0 6.5W,6.5
NEIC I 19 23 04 26 10.25S 161.18E 40 6.5W,6.5
ISC Event type se.
MOS Error ellipse: s-maj=6.2km s-min=5.2km az=103.2.
IDC Error ellipse: s-maj=8.6km s-min=6.8km az=57.0.
NOU Solomon Islands.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=8.4km az=207.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}3.83 $M_{\theta\theta}$0.34 $M_{\phi\phi}$-4.17 $M_{r\theta}$1.04 $M_{\theta\phi}$1.93
$M_{\phi r}$0.49 NP1:ϕ_s141.05000°,δ47.61000°,λ62.89000°. NP2:ϕ_s358.27000°,δ48.90000°
,λ116.53000°. Principal axes: T 4.2442,Plg70.0000°,Azm338.0000°; N 0.6415,Plg20.0000°
,Azm160.0000°; P -4.8857,Plg1.0000°,Azm70.0000° $M_0$4.60000×10^{18}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s.
Triangular moment-rate function. Moment Tensor Solution. s169,c423; s162,c659;
Duration: 4s3 Moment tensor: Scale 10^{18}Nm; M_{rr}5.45±.03 $M_{\theta\theta}$1.33±.02; $M_{\phi\phi}$-6.78±.02;
$M_{r\theta}$1.21±.03; $M_{\theta\phi}$2.68±.02; $M_{\phi r}$0.03±.03; Best double couple: NP1:ϕ_s147.00000°,δ49.00000°
,λ66.00000°. NP2:ϕ_s0.00000°,δ46.00000°,λ115.00000°. Principal axes:
T 5.8270,Plg72.0000°,Azm348.0000°; N 1.7670,Plg18.0000°,Azm163.0000°
; P -7.5930,Plg1.0000°,Azm253.0000° $M_0$6.71000×10^{18}
NEIC Event type se. Moment Tensor Solution.Duration: 12s0 Moment tensor: Scale 10^{18}Nm;
M_{rr}5.73 $M_{\theta\theta}$2.16 $M_{\phi\phi}$-7.89 $M_{r\theta}$-0.12 $M_{\theta\phi}$2.48 $M_{\phi r}$-1.72 NP1:ϕ_s337.00000°,δ39.00000°
,λ76.00000°. NP2:ϕ_s175.00000°,δ52.00000°,λ101.00000°. Principal axes:
T 5.9957,Plg79.0000°,Azm131.0000°; N 2.6597,Plg9.0000°,Azm348.0000°
; P -8.6554,Plg7.0000°,Azm257.0000° $M_0$7.68000×10^{18}
ISC I 19 23 17 18.8–.87 10.5S–.10 161.4E–.10 61 4.2b 20 2-98
IDC I 19 23 17 20.0–5.7 10.43S 161.30E 69–42 3.9,3.6b **¶610237750**
NEIC I 19 23 17 19.5–2.2 10.38S–.07 161.4E–.10 69–7 4.4b,3.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 19 23 27 57.5–.55 10.42S–.07 161.35E–.08 61 4.6b 102 2-146
IDC I 19 23 27 56.6–2.6 10.50S 161.31E 56–22 4.4L,4.3 **¶610237751**
NOU I 19 23 27 56.0 10.25S 161.56E 47 4.6b,4.3
NEIC I 19 23 27 57.4–1.9 10.5S–.10 161.3E–.10 58–6 4.7b,4.3
ISC Event type se.
NOU Solomon Islands.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 19 23 30 31.9–.41 10.39S–.06 161.31E–.06 61 4.5b 114 2-148
NEIC I 19 23 30 31.4–1.3 10.40S–.04 161.30E–.10 47–8 4.7b **¶610237752**
IDC I 19 23 30 32.6–2.1 10.40S 161.31E 68–17 4.3,4.0b
NOU I 19 23 30 35.5 10.57S 161.51E 84 4.9b,4.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.6km s-min=2.5km az=67.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=18.9km s-min=13.0km az=87.0.

NOU Solomon Islands.
ISC I 19 23 52 06.9–.94 9.9S–.10 162.03E–.08 35 3.8b 24 2-90
NEIC I 19 23 52 07.8–2.2 9.6S–.20 162.08E–.08 71–14 4.4b **¶610104762**
IDC I 19 23 52 13.1–3.4 10.05S 161.64E 86–23 3.8,3.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=24.1km s-min=11.9km az=185.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=37.2km s-min=23.4km az=58.0.
ISC I 20 00 04 43.0–1.3 10.4S–.10 161.5E–.10 61 3.8b 18 2-96
NEIC I 20 00 04 39.4–2.1 9.98S–.05 161.9E–.10 82–10 4.1b **¶610234900**
IDC I 20 00 04 45.0–2.8 10.46S 161.33E 68–25 3.8,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.2km s-min=3.6km az=69.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=35.4km s-min=21.3km az=50.0.
ISC I 20 01 55 28.5–1.1 10.5S–.10 161.5E–.20 61 3.6b 8 2-84
IDC I 20 01 55 29.6–2.5 10.49S 161.38E 76–20 3.9s,3.8 **¶610234904**
ISC Event type ke.
IDC Error ellipse: s-maj=32.1km s-min=17.4km az=59.0.
ISC I 20 02 20 06.8–.49 10.34S–.06 161.33E–.08 61 4.5b 77 2-96
NEIC I 20 02 20 04.9–.99 10.4S–.10 161.3E–.10 38–8 4.6b **¶610234906**
IDC I 20 02 20 07.8–2.1 10.37S 161.32E 73–16 4.3,4.0b
NOU I 20 02 20 08.0 10.38S 161.49E 61 4.7b,4.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.9km s-min=7.4km az=222.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=20.0km s-min=12.5km az=88.0.
NOU Solomon Islands.
ISC I 20 05 07 56.0–.76 10.6S–.10 161.3E–.10 61 3.8b 11 2-97
IDC I 20 05 07 56.7–2.6 10.43S 161.31E 64–22 3.9,3.6b **¶610234917**
ISC Event type ke.
IDC Error ellipse: s-maj=31.7km s-min=19.3km az=51.0.
IDC I 20 11 32 04.2–2.8 5.39S 154.01E 0 3.3L,3.2
¶610234934
IDC Error ellipse: s-maj=51.9km s-min=33.4km az=71.0.
ISC I 20 19 03 45.1–.55 4.90S–.07 155.20E–.06 35 4.3b,3.0s 45 3-153
NEIC I 20 19 03 42.7–1.9 4.80S–.09 155.09E–.04 23–6 4.5b,3.0s **¶610234956**
IDC I 20 19 03 49.8–1.8 5.02S 155.07E 74–16 3.9,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.1km s-min=5.5km az=194.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=20.1km s-min=10.9km az=30.0.
ISC I 20 23 49 10.4–.67 10.35S–.08 161.43E–.09 61 3.9b 34 2-96
NOU I 20 23 49 06.6 10.28S 161.41E 0 4.8b **¶610234967**
NEIC I 20 23 49 06.9–1.9 9.9S–.20 161.8E–.10 65–16 4.2b
IDC I 20 23 49 11.1–2.3 10.39S 161.37E 66–19 4.0,3.6b
ISC Event type se.
NOU Solomon Islands.
NEIC Event type se. Error ellipse: s-maj=29.4km s-min=12.6km az=196.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=22.7km s-min=14.1km az=72.0.
ISC I 21 08 35 31.5–1.3 10.1S–.20 161.3E–.10 50 3.3b 8 1-90
IDC I 21 08 35 24.4–1.6 10.11S 161.40E 0 3.7,3.7b **¶610234985**
ISC Event type ke.
IDC Error ellipse: s-maj=33.6km s-min=27.7km az=146.0.
ISC I 21 15 38 36.9–1.6 6.60S–.10 154.3E–.20 48 3.6b 10 3-152
IDC I 21 15 38 30.3–2.0 6.71S 154.35E 0 3.8,3.7b **¶610235001**
ISC Event type ke.
IDC Error ellipse: s-maj=49.5km s-min=27.1km az=117.0.
ISC I 22 02 55 27.7–1.4 10.5S–.10 160.6E–.20 42 3.7b 9 1-97
IDC I 22 02 55 21.8–1.8 10.50S 160.64E 0 4.0b,3.9 **¶610235048**
ISC Event type ke.
IDC Error ellipse: s-maj=39.1km s-min=19.8km az=94.0.
ISC I 22 04 30 24.6–.23 6.23S–.02 155.07E–.03 157–1 7.2b 2982 4-164
MOS I 22 04 30 22.7–.91 6.18S 155.00E 155 7.4s,7.1b **¶611831635**
BJI I 22 04 30 22.4–.00 6.19S 155.14E 160 7.8b,6.6b
NEIC I 22 04 30 23.0–2.5 6.25S–.07 155.17E–.06 135–1 7.9,7.9
IDC I 22 04 30 23.5–.89 6.20S 155.07E 148–7 7.4s,6.6
DJA I 22 04 30 24.9–.40 6S–2.0 155E–2.0 163–4 7.9,7.9
KLM I 22 04 30 25 6.05S 155.29E 166 7.3b,7.9
GCMT I 22 04 30 38.0–.10 6.03S 154.94E 150–0 7.9W,7.9
NEIC I 22 04 30 54.2 6.05S 154.39E 145 7.9W,7.9
NEIC I 22 04 31 04.7 6.21S 154.93E 140 7.9W,7.9
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s237.29369°,δ29.84488°,λ35.37120°. NP2:
ϕ_s115.67075°,δ73.25711°,λ115.07224°. Principal axes: T Plg54.7885°,Azm56.9813°
; N Plg23.9410°,Azm287.9950°; P Plg24.1813°,Azm186.4951°
MOS Error ellipse: s-maj=6.9km s-min=4.8km az=112.8. Moment Tensor Solution.
Broadband fault plane solution: P waves. NP1:ϕ_s135.00000°,δ58.00000°,λ101.00000°. NP2:
ϕ_s294.00000°,δ33.00000°,λ73.00000°. Principal axes: T Plg74.0000°,Azm74.0000°
; N Plg9.0000°,Azm309.0000°; P Plg13.0000°,Azm217.0000°
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=10.0km az=214.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{20}Nm; M_{rr}7.88 $M_{\theta\theta}$-4.43 $M_{\phi\phi}$-3.44 $M_{r\theta}$0.72 $M_{\theta\phi}$3.23
$M_{\phi r}$-0.95 NP1:ϕ_s132.34000°,δ49.40000°,λ92.16000°. NP2:ϕ_s309.02000°,δ40.65000°
,λ87.48000°. Principal axes: T 7.9733,Plg85.0000°,Azm61.0000°; N -0.6821,Plg2.0000°
,Azm311.0000°; P -7.2912,Plg4.0000°,Azm221.0000° $M_0$7.65000×10^{20}
IDC Error ellipse: s-maj=7.0km s-min=5.3km az=57.0.
GCMT nsta1 refers to body waves, cutoff=50s. nsta2 refers to surface/mantle waves, cutoff=50s.
Triangular moment-rate function. Moment Tensor Solution. s171,c495; s171,c975;
Duration: 21s5 Moment tensor: Scale 10^{21}Nm; M_{rr}0.84±.00 $M_{\theta\theta}$-0.58±.00; $M_{\phi\phi}$-0.25±.00;
$M_{r\theta}$0.09±.00; $M_{\theta\phi}$0.39±.00; $M_{\phi r}$-0.17±.00; Best double couple: NP1:ϕ_s129.00000°,δ51.00000°
,λ97.00000°. NP2:ϕ_s298.00000°,δ40.00000°,λ81.00000°. Principal axes:
T 0.8670,Plg82.0000°,Azm81.0000°; N -0.0110,Plg6.0000°,Azm305.0000°
; P -0.8560,Plg6.0000°,Azm214.0000° $M_0$0.86200×10^{21}
NEIC Event type se. Moment Tensor Solution.Duration: 50s4 Moment tensor: Scale 10^{20}Nm;
M_{rr}9.46 $M_{\theta\theta}$-6.19 $M_{\phi\phi}$-3.27 $M_{r\theta}$0.59 $M_{\theta\phi}$4.13 $M_{\phi r}$-1.29 NP1:ϕ_s301.23000°,δ41.39000°
,λ83.86000°. NP2:ϕ_s129.39000°,δ48.90000°,λ95.39000°. Principal axes:
T 9.5901,Plg84.0000°,Azm83.0000°; N -0.3982,Plg4.0000°,Azm306.0000°
; P -9.1918,Plg4.0000°,Azm216.0000° $M_0$9.39000×10^{20}
NEIC Event type se. Moment Tensor Solution.Duration: 46s2 Moment tensor: Scale 10^{20}Nm;
M_{rr}9.01 $M_{\theta\theta}$-5.93 $M_{\phi\phi}$-3.09 $M_{r\theta}$0.73 $M_{\theta\phi}$3.78 $M_{\phi r}$-1.76 NP1:ϕ_s130.83000°,δ50.49000°
,λ97.72000°. NP2:ϕ_s298.81000°,δ40.13000°,λ80.75000°. Principal axes:
T 9.2674,Plg82.0000°,Azm84.0000°; N -0.5720,Plg6.0000°,Azm306.0000°
; P -8.6953,Plg5.0000°,Azm215.0000° $M_0$8.98000×10^{20}
IDC I 22 05 06 20.2–5.1 6.96S 154.15E 0 4.2,4.2b
¶610235057
IDC Error ellipse: s-maj=90.1km s-min=31.3km az=82.0.
IDC I 22 05 07 42.7–7.8 4.42S 155.13E 127–56 4.2,3.8b
¶610235058
IDC Error ellipse: s-maj=74.0km s-min=54.4km az=113.0.
ISC I 22 05 14 59.8–.56 6.03S–.07 154.92E–.09 150 4.3b 47 3-153
IDC I 22 05 15 00.5–1.9 6.12S 154.72E 157–18 4.3,3.8b **¶610235059**
NEIC I 22 05 15 01.3–.60 6.01S–.04 154.9E–.20 165–9 4.5b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 22 05 29 17.9–1.4 4.9S–.20 154.7E–.10 100 3.5b 7 3-95
IDC I 22 05 29 18.2–5.5 4.91S 154.69E 103–43 3.9,3.4b **¶610235062**
ISC Event type ke.
IDC Error ellipse: s-maj=49.1km s-min=28.5km az=100.0.
ISC I 22 05 37 40.8–.37 5.89S–.05 154.59E–.06 150 4.5b 269 3-152
DJA I 22 05 37 37.7–1.7 6S–12 155E–16 147–16 5.9,5.5 **¶610130021**
IDC I 22 05 37 39.0–.78 5.84S 154.61E 136–6 4.5,4.1b
NEIC I 22 05 37 40.1–1.1 5.87S–.09 154.7E–.10 139–7 4.6b,4.1b
ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 22 05 44 57.5–1.4 5.9S–.20 154.3E–.20 150 3.4b 7 3-152
IDC I 22 05 44 59.5–5.0 5.73S 154.08E 174–34 3.6,3.2b ¶610235064
ISC Event type ke.
IDC Error ellipse: s-maj=61.8km s-min=25.5km az=108.0.
ISC I 22 05 45 37.9–.96 6.1S–.30 155.2E–.30 89 3.7b 8 25-98
IDC I 22 05 45 26.7–.98 5.93S 155.20E 0 3.8b,3.7 ¶610235067
ISC Event type ke.
IDC Error ellipse: s-maj=62.8km s-min=22.1km az=128.0.
ISC I 22 06 13 56.6–.50 6.09S–.06 155.07E–.07 150 4.2b 64 3-96
NEIC I 22 06 13 54.7–1.2 5.9S–.10 155.2E–.10 150–5 4.4b ¶610235069
IDC I 22 06 13 58.4–2.1 6.11S 155.09E 168–18 4.2,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.1km s-min=15.3km az=93.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=20.5km s-min=13.9km az=92.0.
ISC I 22 06 23 09.1–.68 5.8S–.10 154.8E–.10 150 3.9b 27 3-153
IDC I 22 06 23 09.4–2.2 5.87S 154.75E 155–17 3.9,3.4b ¶610235071
NEIC I 22 06 23 10.4–.53 5.8S–.20 154.8E–.10 155–9 4.0b,3.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 22 06 26 24.3–.99 5.9S–.20 154.9E–.10 150 3.6b 11 3-153
IDC I 22 06 26 25.3–2.3 5.88S 154.75E 158–18 3.8,3.3b ¶610235072
ISC Event type se.
IDC Error ellipse: s-maj=26.5km s-min=17.0km az=76.0.
ISC I 22 06 30 38.6–.69 5.94S–.10 154.7E–.10 150 4.0b 33 3-152
IDC I 22 06 30 39.0–1.9 5.89S 154.67E 160–15 4.2,3.7b ¶610235073
NEIC I 22 06 30 41.6–1.2 6.0S–.20 154.7E–.10 168–10 4.2b,3.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC I 22 06 47 59.6–2.5 5.90S 154.68E 159–22 3.5,2.9b
¶610235075
IDC Error ellipse: s-maj=40.2km s-min=22.1km az=47.0.
ISC I 22 06 57 32.8–4.2 6.5S–.40 154.2E–.90 48 3.7b 9 23-152
IDC I 22 06 57 26.0–4.6 6.29S 154.19E 0 3.8,3.8b ¶610235076
ISC Event type ke.
IDC Error ellipse: s-maj=157.4km s-min=28.5km az=110.0.
ISC I 22 07 02 44.2–.75 6.50S–.07 154.21E–.10 48 3.9b 32 3-152
IDC I 22 07 02 37.8–1.1 6.52S 154.35E 0 4.0,3.9b ¶610235078
NEIC I 22 07 02 39.0–1.1 6.54S–.09 154.4E–.10 10–2 4.0b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC I 22 07 19 08.9–2.3 5.30S 154.27E 0 3.4,3.4b
¶610235079
IDC Error ellipse: s-maj=44.5km s-min=32.1km az=85.0.
IDC I 22 07 26 49.2–2.5 7.04S 154.62E 0 3.6,3.6b
¶610235081
IDC Error ellipse: s-maj=104.3km s-min=32.1km az=126.0.
ISC I 22 07 27 07.0–2.3 6.9S–.40 154.6E–.50 39 3.7b 6 24-96
IDC I 22 07 27 01.5–2.4 6.76S 154.57E 0 3.8,3.8b ¶610235084
ISC Event type ke.
IDC Error ellipse: s-maj=83.8km s-min=28.7km az=122.0.
IDC I 22 07 49 23.6–8.4 5.92S 155.60E 104–59 3.5,3.0b
¶610235088
IDC Error ellipse: s-maj=69.8km s-min=34.8km az=89.0.
ISC I 22 08 17 02.5–.96 6.2S–.20 155.3E–.10 150 3.4b 9 4-96
IDC I 22 08 17 02.3–2.9 6.19S 155.24E 147–24 3.8,3.3b ¶610235091
ISC Event type se.
IDC Error ellipse: s-maj=27.4km s-min=19.4km az=89.0.
ISC I 22 10 00 27.3–.59 6.95S–.07 154.70E–.08 39 4.1b 39 4-153
IDC I 22 10 00 20.5–.74 6.98S 154.86E 0 4.1,4.1b ¶610235097
NEIC I 22 10 00 25.4–1.3 6.9S–.10 154.47E–.08 10–2 4.2b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 22 13 24 59.5–.50 7.57S–.07 158.14E–.08 46 4.3b 60 3-95
NEIC I 22 13 25 00–1.3 7.56S–.10 158.19E–.07 50–9 4.5b ¶610235112
IDC I 22 13 25 00.4–.71 7.54S 158.16E 56–7 3.9,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.2km s-min=2.9km az=215.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=20.2km s-min=8.9km az=49.0.
ISC I 22 18 14 58.3–1.1 10.1S–.20 160.8E–.20 67 3.4b 7 1-84
IDC I 22 18 14 50.7–1.6 10.01S 160.97E 0 3.6,3.5b ¶610235130
ISC Event type ke.
IDC Error ellipse: s-maj=32.3km s-min=24.2km az=41.0.
ISC I 22 18 23 15.9–.65 6.95S–.08 154.54E–.08 39 3.8b 18 4-127
IDC I 22 18 23 16.8–1.9 6.95S 154.50E 46–17 3.9,3.7L ¶610235131
ISC Event type se.
IDC Error ellipse: s-maj=18.2km s-min=13.1km az=73.0.
ISC I 22 18 35 39.7–.59 5.98S–.08 155.05E–.09 150 3.8b 48 3-153
NEIC I 22 18 35 39.1–2.4 5.90S–.10 155.03E–.10 151–5 4.3b ¶610235132
IDC I 22 18 35 42.1–2.0 5.98S 154.88E 170–16 3.9,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.0km s-min=10.1km az=136.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=21.1km s-min=14.3km az=84.0.
ISC I 22 19 00 25.1–.79 10.90S–.10 161.8E–.10 36 3.8b 13 2-97
IDC I 22 19 00 19.7–.98 10.86S 161.85E 0 4.0L,3.9 ¶610235133
ISC Event type ke.
IDC Error ellipse: s-maj=25.4km s-min=20.9km az=163.0.
IDC I 22 19 54 57.9–7.2 5.92S 154.51E 178–44 3.5,3.0b
¶610235134
IDC Error ellipse: s-maj=84.4km s-min=25.2km az=99.0.
ISC I 22 19 55 08.8–.77 10.85S–.09 161.8E–.10 36 3.7s,3.6b 15 2-99
IDC I 22 19 55 03.1–1.0 10.75S 161.92E 0 4.6L,4.0 ¶610235135
ISC Event type ke.
IDC Error ellipse: s-maj=24.9km s-min=20.6km az=84.0.
IDC I 23 00 12 41.1–2.5 6.88S 154.98E 0 3.2,3.2b
¶610235147
IDC Error ellipse: s-maj=118.3km s-min=32.2km az=127.0.
ISC I 23 01 00 29.1–.61 10.74S–.08 162.06E–.08 35 4.5b,3.5s 53 2-96
NEIC I 23 01 00 28.8–1.2 10.73S–.07 162.0E–.10 31–4 4.5b,3.5s ¶610235150
IDC I 23 01 00 31.5–2.6 10.73S 161.86E 57–24 4.9L,4.1
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.6km s-min=9.3km az=73.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=23.9km s-min=20.0km az=71.0.
IDC I 23 04 52 35.7–5.3 5.42S 154.16E 0 3.7,3.7b
¶610235163
IDC Error ellipse: s-maj=161.9km s-min=38.9km az=109.0.
ISC I 23 12 03 11.7–.43 10.80S–.06 161.39E–.08 28 4.7b,3.9s 96 2-98
NOU I 23 12 03 12.2 10.50S 161.69E 66 4.6b,3.9s ¶610114444
IDC I 23 12 03 13.8–1.9 10.74S 161.30E 50–16 4.6L,4.4
NEIC I 23 12 03 13.3–1.5 10.83S–.09 161.4E–.10 36–7 4.7b,4.4
ISC Event type se.
NOU Solomon Islands.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 23 12 16 14.7–.92 10.79S–.09 162.1E–.10 83 4.0b 19 2-96
IDC I 23 12 16 15.2–2.3 10.81S 162.00E 89–20 4.0s,3.9 ¶610235191
NEIC I 23 12 16 15.3–2.6 10.8S–.10 162.1E–.10 83–10 4.3b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC I 23 12 43 18.8–7.5 10.71S 161.83E 60–53 5.1L,3.6
¶610235195
IDC Error ellipse: s-maj=60.3km s-min=40.2km az=86.0.
IDC I 23 14 43 58.7–7.1 5.90S 154.45E 184–43 3.6,3.1b
¶610235202
IDC Error ellipse: s-maj=85.4km s-min=28.1km az=99.0.
ISC I 24 05 10 29.6–1.0 10.5S–.10 161.5E–.20 61 3.7b 9 2-90
IDC I 24 05 10 29.8–2.9 10.49S 161.48E 63–23 3.9,3.5b ¶610235242
ISC Event type ke.
IDC Error ellipse: s-maj=30.0km s-min=17.5km az=62.0.
ISC I 24 05 16 55.9–1.4 6.0S–.20 155.1E–.20 150 3.7b 8 4-83
IDC I 24 05 16 58.9–2.3 6.00S 154.88E 170–18 4.1,3.5b ¶610235243
ISC Event type ke.
IDC Error ellipse: s-maj=28.6km s-min=16.5km az=71.0.
ISC I 24 20 38 00.3–.25 6.05S–.04 154.15E–.04 48 5.0b,4.1s 367 3-152
MOS I 24 20 37 56.9–1.0 6.03S 154.17E 32 5.0b,4.1s ¶610114467
BJI I 24 20 37 56.0–.00 6.36S 154.07E 26 5.2b,4.7b
NEIC I 24 20 37 59.1–1.8 6.09S–.02 154.17E–.07 35–1 5.2b,4.7b
IDC I 24 20 38 00.3–2.1 6.04S 154.17E 47–19 4.5,4.4L
GCMT I 24 20 38 02.1–.30 6.23S–.02 154.05E–.02 38–1 5.0W,4.4L
DJA I 24 20 38 02.1–.30 6S–3.0 154E–3.0 49–2 5.8,5.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function. Moment Tensor Solution. s28,c30; s65,c90;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}2.17±.23 $M_{\theta\theta}$-0.77±.15; $M_{\phi\phi}$-1.41±.14; $M_{r\theta}$0.73±.14;
$M_{\theta\phi}$2.42±.12; $M_{\phi r}$-2.47±.15; Best double couple: NP1:ϕ_s161.00000°,δ69.00000°,λ114.00000°.
NP2:ϕ_s289.00000°,δ32.00000°,λ43.00000°. Principal axes: T 3.4930,Plg59.0000°
,Azm105.0000°; N 0.8880,Plg23.0000°,Azm332.0000°; P -4.3900,Plg20.0000°
,Azm233.0000° $M_0$3.94100×10^{16}
ISC I 25 08 00 21.4–1.3 5.9S–.20 154.8E–.20 150 3.4b 8 3-83
IDC I 25 08 00 23.3–2.4 5.89S 154.67E 160–18 3.8,3.2b ¶610235311
ISC Event type ke.
IDC Error ellipse: s-maj=31.6km s-min=18.9km az=62.0.
ISC I 25 10 21 26.6–.42 10.40S–.04 161.06E–.04 53–3 5.1b,4.5s 517 1-160
MOS I 25 10 21 23.7–.81 10.37S 161.05E 44 5.3b,4.5s ¶610116962
IDC I 25 10 21 24.7–2.0 10.37S 161.10E 40–17 4.7,4.7L
GCMT I 25 10 21 25.3–.20 10.48S–.02 161.07E–.01 24 5.1W,4.7L
NEIC I 25 10 21 26.3–1.3 10.40S–.08 161.11E–.09 48–6 5.1b,4.7L
NOU I 25 10 21 28.8 10.38S 160.97E 61 5.2b,4.7L
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s149.10295°,δ72.31243°,λ98.72749°. NP2:
ϕ_s302.29712°,δ19.66164°,λ64.55467°. Principal axes: T Plg61.7290°,Azm72.1956°
; N Plg8.3119°,Azm326.4326°; P Plg26.8106°,Azm232.1984°
MOS Error ellipse: s-maj=8.5km s-min=7.1km az=95.1.
IDC Error ellipse: s-maj=14.6km s-min=11.4km az=86.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function. Moment Tensor Solution. s61,c74; s82,c121;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}3.03±.15 $M_{\theta\theta}$0.52±.12; $M_{\phi\phi}$-3.55±.09; $M_{r\theta}$2.64±.21;
$M_{\theta\phi}$0.32±.10; $M_{\phi r}$-3.03±.14; Best double couple: NP1:ϕ_s149.00000°,δ72.00000°,λ70.00000°.
NP2:ϕ_s18.00000°,δ27.00000°,λ136.00000°. Principal axes: T 5.3810,Plg58.0000°
,Azm32.0000°; N -0.3330,Plg19.0000°,Azm156.0000°; P -5.0490,Plg24.0000°
,Azm254.0000° $M_0$5.21500×10^{16}
NEIC Event type se. Error ellipse: s-maj=14.1km s-min=9.1km az=50.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Solomon Islands.
ISC I 25 10 56 16.5–.52 10.42S–.06 161.15E–.08 62 4.3b 55 2-100
IDC I 25 10 56 15.2–2.5 10.34S 161.19E 46–21 4.4L,4.1 ¶610184278
NOU I 25 10 56 16.1 10.30S 161.16E 47 4.0L,4.1
NEIC I 25 10 56 16.3–1.3 10.38S–.05 161.0E–.10 49–8 4.5b,4.1
ISC Event type se.
NOU Solomon Islands.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 25 12 36 42.2–.76 5.9S–.10 154.8E–.10 150 3.7b 15 3-153
IDC I 25 12 36 43.8–2.2 5.87S 154.68E 161–17 3.9,3.4b ¶610235324
ISC Event type ke.
IDC Error ellipse: s-maj=23.9km s-min=15.8km az=91.0.
ISC I 26 01 28 59.7–.47 10.43S–.06 161.44E–.07 61 4.8b 132 2-148
IDC I 26 01 28 59.3–2.5 10.44S 161.33E 59–20 4.4,4.2b ¶610123270
NEIC I 26 01 29 00.4–1.2 10.4S–.10 161.3E–.10 62–8 4.9b,4.2b
NOU I 26 01 29 18.5 10.92S 160.91E 200 4.4b,4.2b
ISC Event type se.
IDC Error ellipse: s-maj=20.5km s-min=13.1km az=83.0.
NEIC Event type se. Error ellipse: s-maj=19.3km s-min=11.3km az=46.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Solomon Islands.
IDC I 26 07 27 41.5–2.5 5.97S 154.69E 154–23 3.7,3.1b
¶610235368
IDC Error ellipse: s-maj=37.0km s-min=22.2km az=44.0.
ISC I 26 14 01 25.4–.46 6.19S–.06 154.34E–.06 61 4.1b 44 3-152
NEIC I 26 14 01 23.2–1.3 6.32S–.05 154.40E–.07 49–10 4.3b ¶610235389
IDC I 26 14 01 26.3–1.9 6.07S 154.40E 66–16 4.1,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=5.7km az=121.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=18.8km s-min=15.4km az=93.0.
ISC I 26 15 10 33.1–1.9 5.8S–.10 154.2E–.20 10 3.4b 8 3-83
IDC I 26 15 10 30.0–2.2 5.68S 154.42E 0 3.6,3.5b ¶610235393
ISC Event type ke.
IDC Error ellipse: s-maj=42.4km s-min=29.0km az=95.0.
ISC I 26 16 17 48.9–.82 10.3S–.10 161.4E–.10 61 3.5b 11 2-96
IDC I 26 16 17 48.5–5.9 10.49S 161.36E 61–45 3.6,3.4b ¶610235398
ISC Event type ke.
IDC Error ellipse: s-maj=43.6km s-min=25.1km az=115.0.
ISC I 27 00 57 58.7–1.4 10.3S–.20 163.0E–.10 35 4.0b,3.1s 18 3-53
IDC I 27 00 57 58.8–9.2 10.86S 162.62E 0 4.4L,4.0 ¶610235424
NEIC I 27 00 58 03.3–1.5 10.5S–.10 163.0E–.10 73–8 4.3b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 27 04 40 21.8–.61 10.92S–.08 162.18E–.09 36 3.9b,3.5s 20 3-96
IDC I 27 04 40 21.2–.88 10.93S 162.12E 31–5 3.9,3.7b ¶610235434
ISC Event type ke.
IDC Error ellipse: s-maj=23.7km s-min=18.1km az=132.0.
IDC I 27 08 02 39.1–3.3 10.92S 161.38E 0 3.5,3.5b
¶610235452
IDC Error ellipse: s-maj=111.3km s-min=33.0km az=130.0.
ISC I 27 22 30 41.8–.81 10.88S–.08 162.3E–.10 35 4.1b,3.3s 25 3-84
NEIC I 27 22 30 44.4–1.9 10.9S–.10 162.2E–.10 44–8 4.3b,3.3s ¶610235514
IDC I 27 22 30 45.1–2.8 11.03S 161.86E 72–22 3.8,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=25.6km s-min=12.3km az=49.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=32.2km s-min=19.5km az=63.0.
ISC I 28 00 41 09.8–.55 10.40S–.07 161.39E–.09 50 4.6b,3.3s 91 2-92
NEIC I 28 00 41 10.9–1.7 10.3S–.10 161.4E–.10 48–8 4.6b,3.3s ¶610235522
IDC I 28 00 41 10.1–2.7 10.42S 161.34E 62–21 4.0,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.6km s-min=10.9km az=45.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=23.8km s-min=16.1km az=79.0.
ISC I 28 01 43 26.6–.42 5.94S–.06 154.84E–.07 150 4.5b 96 3-153
NEIC I 28 01 43 28.8–1.0 5.95S–.08 154.75E–.08 166–7 4.6b ¶610145106

IDC I 28 01 43 29.8–1.2 5.97S 154.67E 179–10 4.6,4.1b
DJA I 28 01 43 34.1–.40 6S–3.0 155E–4.0 223–5 5.7b,5.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 28 05 58 02.2–.39 5.93S–.05 154.75E–.06 200 4.4b 126 3-152
DJA I 28 05 57 32.5–1.2 5S–8.0 156E–14 10 5.5b,5.2 ¶610145113
NEIC I 28 05 57 59.9–1.3 5.99S–.09 154.82E–.10 170–7 4.6b,5.2
IDC I 28 05 57 59.9–1.2 6.07S 154.70E 179–10 4.5,4.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.4km s-min=12.1km az=66.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=11.5km s-min=9.0km az=90.0.
IDC I 28 16 51 51.9–3.1 10.63S 161.62E 0 4.7L,3.6 ¶610235577
IDC Error ellipse: s-maj=56.7km s-min=35.7km az=74.0.
IDC I 28 16 53 30.6–2.3 10.70S 161.71E 0 3.6,3.4b ¶610235578
IDC Error ellipse: s-maj=54.3km s-min=36.8km az=133.0.
ISC I 29 09 52 47.6–1.4 10.3S–.20 161.5E–.20 61 3.8b 7 2-96
IDC I 29 09 52 38.6–1.9 10.36S 161.74E 0 3.8,3.8b ¶610235635
ISC Event type ke.
IDC Error ellipse: s-maj=48.4km s-min=28.8km az=132.0.
ISC I 29 10 30 58.3–1.2 7.0S–.20 154.9E–.20 41 3.7b 11 4-153
IDC I 29 10 30 51.3–1.7 7.11S 155.15E 0 3.6,3.6b ¶610235637
ISC Event type ke.
IDC Error ellipse: s-maj=48.4km s-min=26.7km az=116.0.
ISC I 29 11 23 21.3–1.1 6.3S–.20 155.3E–.20 150 3.7b 9 4-83
IDC I 29 11 23 22.9–2.8 6.22S 155.17E 160–22 3.8,3.3b ¶610235639
ISC Event type ke.
IDC Error ellipse: s-maj=28.4km s-min=18.4km az=83.0.
IDC I 30 17 30 57.2–7.8 5.88S 154.57E 192–47 3.6,3.2b ¶610235751
IDC Error ellipse: s-maj=93.4km s-min=32.7km az=99.0.
ISC I 31 00 20 46.2–1.0 4.60S–.09 154.0E–.10 100 4.0b 25 2-151
NEIC I 31 00 20 47.0–2.1 4.6S–.10 154.0E–.10 100–9 4.2b ¶610235764
IDC I 31 00 20 50.2–5.3 4.59S 153.70E 117–34 4.0,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.4km s-min=15.0km az=195.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=60.0km s-min=23.2km az=101.0.
ISC I 31 00 55 52.8–.93 6.26S–.10 155.5E–.10 10 4.3b 23 4-153
NEIC I 31 00 55 51.5–1.5 6.1S–.10 155.68E–.10 10–1 4.5b ¶610235765
IDC I 31 00 55 57.8–1.5 6.69S 154.87E 0 4.0,3.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.3km s-min=13.9km az=141.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=39.5km s-min=22.2km az=95.0.
ISC I 31 02 45 00.6–.79 6.0S–.10 155.3E–.10 150 4.1b 16 4-153
IDC I 31 02 44 59.0–2.4 6.11S 155.27E 138–20 4.2,3.9b ¶610235771
ISC Event type ke.
IDC Error ellipse: s-maj=20.4km s-min=17.5km az=61.0.
ISC I 31 19 58 38.2–.80 6.28S–.08 154.76E–.09 50 4.1b,3.0s 30 3-153
NEIC I 31 19 58 37.0–2.2 6.6S–.10 154.5E–.10 10–2 4.5b,3.0s ¶610235842
IDC I 31 19 58 41.6–1.5 6.22S 154.57E 80–13 4.1,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=22.8km s-min=15.1km az=46.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=19.0km s-min=10.7km az=37.0.
IDC II 01 00 35 29.0–4.0 6.02S 156.03E 0 3.6s,3.6 ¶610414582
IDC Error ellipse: s-maj=131.5km s-min=32.7km az=110.0.
IDC II 01 01 06 28.1–7.4 10.42S 161.34E 0 3.5,3.5b ¶610414583
IDC Error ellipse: s-maj=220.3km s-min=50.6km az=121.0.
IDC II 01 03 33 47.7–6.6 8.14S 155.55E 0 3.8,3.8b ¶610414586
IDC Error ellipse: s-maj=111.2km s-min=81.4km az=13.0.
IDC II 01 04 12 44.7–6.5 5.32S 154.00E 0 3.4,3.4b ¶610414587
IDC Error ellipse: s-maj=190.7km s-min=41.2km az=111.0.
ISC II 01 05 08 13.4–1.3 10.5S–.20 161.3E–.20 61 3.6b 7 2-97
IDC II 01 05 08 10.9–8.5 10.56S 161.41E 39–64 3.7,3.5b ¶610414590
ISC Event type ke.
IDC Error ellipse: s-maj=65.1km s-min=28.7km az=123.0.
ISC II 01 12 44 30.3–.86 10.6S–.10 161.3E–.20 61 3.7b 10 2-97
IDC II 01 12 44 30.7–2.8 10.48S 161.33E 60–22 3.8,3.6L ¶610414613
ISC Event type ke.
IDC Error ellipse: s-maj=26.1km s-min=18.2km az=66.0.
ISC II 01 16 16 52.8–.46 11.02S–.06 162.03E–.07 36 4.6b,3.6s 134 3-123
NEIC II 01 16 16 53.0–1.3 11.05S–.09 162.01E–.09 37–7 4.7b,3.6s ¶610315663
NOU II 01 16 16 53.0 10.86S 162.10E 45 4.7b,3.6s
IDC II 01 16 16 55.3–2.9 10.98S 161.88E 54–25 4.7L,4.3
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.2km s-min=8.9km az=46.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Solomon Islands.
IDC Error ellipse: s-maj=22.4km s-min=14.0km az=94.0.
ISC II 02 12 34 11.4–.70 6.08S–.08 154.20E–.07 100 3.4b 16 3-152
IDC II 02 12 34 10.4–1.5 6.14S 154.19E 84–13 3.7,3.3b ¶610414673
ISC Event type ke.
IDC Error ellipse: s-maj=16.5km s-min=11.9km az=43.0.
ISC II 02 22 22 36.0–.97 6.17S–.09 154.0E–.10 48 3.8b 13 3-91
IDC II 02 22 22 29.4–1.1 6.18S 154.06E 0 3.9,3.8b ¶610414701
ISC Event type ke.
IDC Error ellipse: s-maj=26.8km s-min=21.6km az=99.0.
ISC II 03 07 26 39.0–1.2 10.4S–.20 161.4E–.10 35 3.7b,3.3s 9 2-96
IDC II 03 07 26 32.5–1.1 10.61S 161.61E 0 5.5L,4.0b ¶610414725
ISC Event type ke.
IDC Error ellipse: s-maj=27.9km s-min=24.6km az=66.0.
ISC II 03 11 58 51.3–.44 6.41S–.06 154.54E–.06 48 4.4b,3.4s 83 3-152
NEIC II 03 11 58 46.0–2.1 6.45S–.09 154.7E–.10 10–1 4.5b,3.4s ¶610414736
IDC II 03 11 58 51.6–1.9 6.40S 154.60E 54–16 4.2,4.1L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.4km s-min=14.3km az=72.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=16.6km s-min=10.5km az=65.0.
ISC II 03 13 16 26.4–1.1 10.7S–.10 161.9E–.10 54 4.1b,3.3s 24 2-91
IDC II 03 13 16 25.7–3.0 10.75S 161.88E 54–23 3.8,3.8L ¶610414741
NEIC II 03 13 16 26.9–2.6 10.7S–.20 161.9E–.20 54–13 4.3b,3.8L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 03 17 16 33.6–.93 7.9S–.20 157.9E–.10 35 3.7b 8 3-86
IDC II 03 17 16 28.4–1.1 7.89S 157.87E 0 5.8L,3.9 ¶610414750
ISC Event type ke.
IDC Error ellipse: s-maj=25.0km s-min=24.0km az=59.0.
ISC II 03 17 36 17.2–1.7 6.57S–.10 154.3E–.20 48 3.5b 9 3-152
IDC II 03 17 36 10.1–2.1 6.70S 154.39E 0 3.7,3.5b ¶610414751
ISC Event type ke.
IDC Error ellipse: s-maj=49.3km s-min=27.3km az=115.0.
ISC II 03 20 55 12.1–1.3 6.0S–.20 154.8E–.20 150 3.5b 8 3-153
IDC II 03 20 55 13.2–2.7 5.92S 154.74E 172–19 3.9s,3.8 ¶610414767
ISC Event type ke.
IDC Error ellipse: s-maj=32.4km s-min=19.6km az=74.0.
ISC II 03 22 50 10.1–1.4 5.2S–.20 154.1E–.20 35 3.7b 9 2-152
IDC II 03 22 50 04.5–1.6 5.21S 154.11E 0 3.7,3.7b ¶610414772
ISC Event type ke.
IDC Error ellipse: s-maj=37.3km s-min=30.4km az=92.0.
ISC II 03 23 15 03.7–.37 6.13S–.05 154.43E–.06 61 4.5b 119 3-152
NEIC II 03 23 15 01.5–1.9 6.12S–.06 154.47E–.04 35–2 4.6b ¶610315672
IDC II 03 23 15 04.4–1.7 6.11S 154.37E 68–15 4.3,3.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=5.0km az=151.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=15.1km s-min=13.2km az=15.0.
ISC II 04 04 12 08.5–.44 10.47S–.06 161.16E–.07 35 4.7b,4.0s 77 2-100
IDC II 04 04 12 02.8–.71 10.41S 161.22E 0 4.5L,4.4 ¶610195889
NEIC II 04 04 12 09.6–1.2 10.38S–.03 161.07E–.10 35–6 4.7b,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC II 04 14 09 16.1–5.9 5.53S 154.08E 0 3.3,3.3b ¶610414824
IDC Error ellipse: s-maj=149.2km s-min=48.9km az=111.0.
ISC II 04 18 48 55.4–1.9 10.5S–.20 161.3E–.20 35 3.5b 7 2-90
IDC II 04 18 48 48.6–3.2 10.72S 161.44E 0 3.6,3.6b ¶610414832
ISC Event type ke.
IDC Error ellipse: s-maj=67.5km s-min=37.1km az=101.0.
ISC II 05 02 01 00.7–1.4 10.5S–.20 161.3E–.20 61 3.6b 8 2-94
IDC II 05 02 00 51.9–1.6 10.59S 161.52E 0 3.7,3.7b ¶610414855
ISC Event type ke.
IDC Error ellipse: s-maj=35.3km s-min=33.1km az=136.0.
ISC II 05 07 13 28.5–1.2 10.1S–.10 161.0E–.10 35 3.6b 8 1-96
IDC II 05 07 13 23.3–1.4 10.09S 161.01E 0 3.8,3.7b ¶610414863
ISC Event type ke.
IDC Error ellipse: s-maj=29.1km s-min=25.2km az=169.0.
ISC II 05 09 48 24.7–1.4 9.9S–.20 161.0E–.20 67 3.5b 7 1-90
IDC II 05 09 48 15.2–1.4 10.02S 161.23E 0 3.7,3.6b ¶610414871
ISC Event type ke.
IDC Error ellipse: s-maj=30.3km s-min=25.3km az=25.0.
IDC II 05 10 59 27.9–5.7 6.74S 155.17E 0 3.5,3.5b ¶610414875
IDC Error ellipse: s-maj=173.0km s-min=43.2km az=112.0.
ISC II 07 01 50 56.2–.72 5.9S–.10 154.9E–.10 150 4.0b 17 3-153
IDC II 07 01 50 58.5–1.8 5.89S 154.70E 174–14 4.1,3.7b ¶610415003
ISC Event type ke.
IDC Error ellipse: s-maj=19.9km s-min=14.8km az=83.0.
ISC II 07 16 16 52.0–1.5 10.2S–.20 161.1E–.20 35 3.4b 7 1-90
IDC II 07 16 16 46.5–1.7 10.16S 161.13E 0 3.6,3.6b ¶610415054
ISC Event type ke.
IDC Error ellipse: s-maj=43.0km s-min=23.3km az=51.0.
IDC II 08 03 19 14.6–3.2 10.59S 161.43E 0 3.6,3.6b ¶610415083
IDC Error ellipse: s-maj=113.1km s-min=32.9km az=132.0.
IDC II 08 10 08 14.5–2.6 11.39S 163.22E 0 5.6L,3.7 ¶610415111
IDC Error ellipse: s-maj=49.7km s-min=39.3km az=98.0.
ISC II 09 02 12 25.7–1.1 10.6S–.20 161.1E–.10 50 3.9b 8 2-99
IDC II 09 02 12 24.9–5.4 10.60S 161.16E 44–45 4.0,3.9s ¶610415152
ISC Event type ke.
IDC Error ellipse: s-maj=37.6km s-min=24.8km az=114.0.
ISC II 09 17 29 24.4–1.4 10.6S–.20 161.6E–.20 61 3.4b 7 2-90
IDC II 09 17 29 25.5–6.1 10.54S 161.50E 68–45 3.5,3.2b ¶610415187
ISC Event type ke.
IDC Error ellipse: s-maj=47.8km s-min=28.5km az=113.0.
IDC II 09 17 54 50.1–2.4 6.85S 154.92E 0 3.5,3.5b ¶610415192
IDC Error ellipse: s-maj=96.0km s-min=30.7km az=123.0.
ISC II 10 08 30 36.8–.37 10.38S–.05 161.49E–.06 50 4.7b,3.6s 256 2-124
BJI II 10 08 30 35.8–.00 10.02S 161.83E 57 5.2b,4.7b ¶610207708
NEIC II 10 08 30 38.0–1.7 10.37S–.06 161.43E–.09 53–6 4.8b,4.7b
IDC II 10 08 30 39.4–2.1 10.43S 161.32E 75–16 4.4,4.1b
NOU II 10 08 30 59.7 10.60S 160.92E 254 4.5b,4.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.8km s-min=5.8km az=63.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=20.4km s-min=12.9km az=89.0.
NOU Solomon Islands.
ISC II 10 11 43 46.3–.55 5.38S–.07 154.29E–.07 150 4.2b 51 2-85
NEIC II 10 11 43 48.0–1.4 5.4S–.10 154.26E–.10 163–7 4.4b ¶610415232
IDC II 10 11 43 47.2–2.0 5.42S 154.24E 152–17 4.0,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.4km s-min=13.2km az=215.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=23.3km s-min=15.8km az=89.0.
ISC II 10 15 52 37.0–.97 10.6S–.10 161.2E–.20 62 3.5b 10 2-90
IDC II 10 15 52 36.0–2.5 10.50S 161.20E 48–19 3.7,3.4L ¶610415241
ISC Event type ke.
IDC Error ellipse: s-maj=32.3km s-min=15.3km az=59.0.
ISC II 11 17 25 30.5–.56 10.74S–.07 161.22E–.10 10 4.4b,3.7s 46 2-100
NEIC II 11 17 25 29.6–2.8 10.63S–.09 161.3E–.10 5–5 4.6b,3.7s ¶610415325
IDC II 11 17 25 30.1–.98 10.77S 160.98E 0 4.0,4.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.0km s-min=9.0km az=56.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=25.8km s-min=18.7km az=74.0.
IDC II 12 03 27 40.4–1.9 5.43S 154.31E 0 3.7,3.5b ¶610415351
IDC Error ellipse: s-maj=39.3km s-min=33.3km az=92.0.
ISC II 12 09 39 06.2–.57 10.77S–.07 161.57E–.10 28 4.4b 39 2-160
IDC II 12 09 39 01.4–.99 10.82S 161.56E 0 6.0L,4.3 ¶610415367
NEIC II 12 09 39 08.7–1.2 10.8S–.10 161.5E–.10 36–10 4.8b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 12 11 17 08.7–.68 10.72S–.08 161.83E–.10 54 3.7b,3.5s 25 2-96
NEIC II 12 11 17 08.9–1.6 10.6S–.20 161.9E–.20 46–24 4.1b,3.5s ¶610415373
IDC II 12 11 17 10.4–2.5 10.72S 161.69E 70–22 3.9,3.6s
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=40.3km s-min=9.0km az=221.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=24.4km s-min=16.4km az=74.0.
IDC II 12 12 09 28.9–2.3 6.39S 154.25E 0 3.3,3.3L ¶610415378
IDC Error ellipse: s-maj=52.2km s-min=31.5km az=87.0.
IDC II 13 11 04 26.9–3.8 6.73S 154.74E 0 3.7s,3.3 ¶610415446
IDC Error ellipse: s-maj=201.9km s-min=54.0km az=130.0.
ISC II 14 05 35 34.5–.60 6.0S–.10 154.9E–.10 200 3.7b 19 8-153
IDC II 14 05 35 32.9–.88 6.07S 154.84E 180–8 4.2,3.6b ¶610415487
ISC Event type ke.
IDC Error ellipse: s-maj=19.4km s-min=13.9km az=97.0.
ISC II 14 14 07 28.8–4.5 6.7S–.40 154.5E–.90 48 3.5b 6 24-152
IDC II 14 14 07 21.6–5.0 6.64S 154.61E 0 3.5,3.5b ¶610415507
ISC Event type ke.
IDC Error ellipse: s-maj=166.3km s-min=31.6km az=111.0.
ISC II 14 21 11 28.7–1.9 6.7S–.40 154.5E–.30 48 3.5b 7 8-152
IDC II 14 21 11 20.9–2.9 6.62S 154.71E 0 3.7,3.6b ¶610415529
ISC Event type ke.
IDC Error ellipse: s-maj=93.6km s-min=31.5km az=120.0.

ISC II 14 22 19 54.7–.33 5.87S–.04 154.53E–.04 63–2 5.0b 278 3-160
BJI II 14 22 19 52.6–.00 5.82S 154.82E 69 5.1b,4.8b **¶610209183**
IDC II 14 22 19 54.4–.47 5.84S 154.53E 58–3 4.5,4.3b
NEIC II 14 22 19 56.3–1.5 5.88S–.07 154.62E–.08 75–7 5.1b,4.3b
GCMT II 14 22 19 56.3–.20 6.11S–.01 154.36E–.01 54–0 5.1W,4.3b
DJA II 14 22 19 57.0–.60 6S–3.0 155E–4.0 87–6 5.9,5.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s97,c127; s106,c148;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}5.49±.13 $M_{\theta\theta}$-3.09±.11; $M_{\phi\phi}$-2.39±.11; $M_{r\theta}$-1.30±.09; $M_{\theta\phi}$3.03±.09; $M_{\phi r}$1.11±.09; Best double couple: NP1:ϕ_s311.00000°,δ53.00000°,λ90.00000°. NP2:ϕ_s132.00000°,δ37.00000°,λ91.00000°. Principal axes: T 5.7430,Plg82.0000° ,Azm219.0000°; N 0.3100,Plg0.0000°,Azm312.0000°; P -6.0430,Plg8.0000°,Azm42.0000° $M_0$5.89300×10^{16}
IDC II 15 15 06 31.2–8.4 7.13S 154.34E 108–62 3.6,3.1b ¶610415571
IDC Error ellipse: s-maj=64.7km s-min=39.0km az=93.0.
IDC II 15 17 46 54.6–7.8 6.28S 155.47E 0 3.6,3.6b ¶610415576
IDC Error ellipse: s-maj=246.0km s-min=32.2km az=110.0.
ISC II 16 04 50 24.2–.66 9.4S–.10 158.83E–.07 27 4.2b,3.2s 21 1-88
IDC II 16 04 50 20.2–.85 9.36S 158.82E 0 4.0,4.0b **¶610415611**
NEIC II 16 04 50 25.8–1.2 9.4S–.10 158.87E–.09 36–8 4.3b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC II 17 00 31 43.0–5.4 6.81S 155.21E 0 3.6,3.6b ¶610415658
IDC Error ellipse: s-maj=186.0km s-min=40.0km az=107.0.
ISC II 17 12 27 01.2–.88 6.93S–.10 154.42E–.09 39 3.8b 24 4-152
IDC II 17 12 26 56.7–3.1 6.69S 154.56E 0 3.8,3.7b **¶610415693**
NEIC II 17 12 27 00.7–2.1 6.9S–.10 154.4E–.10 35–2 4.2b,3.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC II 17 12 57 59.8–3.8 7.00S 154.78E 0 3.6,3.5b ¶610415694
IDC Error ellipse: s-maj=111.3km s-min=34.3km az=120.0.
ISC II 17 14 05 37.6–.43 10.40S–.06 161.29E–.07 61 4.6b 82 2-160
IDC II 17 14 05 39.0–.55 10.35S 161.33E 77–4 4.3,4.0b **¶610415700**
NEIC II 17 14 05 40.6–1.3 10.39S–.06 161.2E–.10 80–9 4.7b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 17 23 54 39.6–1.1 10.7S–.10 161.5E–.20 35 3.6b 9 2-90
IDC II 17 23 54 40.8–2.8 10.77S 161.41E 47–23 3.7,3.6L **¶610415732**
ISC Event type ke.
IDC Error ellipse: s-maj=33.1km s-min=18.9km az=65.0.
IDC II 18 01 35 43.8–3.6 10.51S 161.39E 59–26 3.7,3.4L ¶610415738
IDC Error ellipse: s-maj=53.6km s-min=20.6km az=52.0.
ISC II 18 16 36 29.6–.99 5.9S–.10 154.68E–.08 61 3.4b 11 6-84
IDC II 18 16 36 32.1–2.9 6.08S 154.66E 87–25 3.9s,3.8 **¶610415766**
ISC Event type ke.
IDC Error ellipse: s-maj=29.8km s-min=15.1km az=2.0.
IDC II 18 18 58 34.7–8.3 5.94S 155.57E 0 3.4,3.4b ¶610415775
IDC Error ellipse: s-maj=253.1km s-min=43.6km az=109.0.
ISC II 19 20 08 28.3–.80 6.3S–.10 155.0E–.10 250 3.6b 14 8-153
IDC II 19 20 08 27.3–3.6 6.25S 155.00E 239–35 4.0,3.5b **¶610415839**
ISC Event type ke.
IDC Error ellipse: s-maj=21.9km s-min=19.3km az=32.0.
ISC II 19 23 29 00.8–.51 6.00S–.07 154.95E–.07 150 4.3b 72 3-153
IDC II 19 23 29 02.9–1.9 6.02S 154.83E 175–15 4.3,3.7b **¶610415845**
NEIC II 19 23 29 02.3–1.4 6.1S–.10 154.9E–.10 162–8 4.5b,3.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 20 06 01 59.4–.57 10.15S–.08 160.88E–.08 67 4.2b 40 1-96
IDC II 20 06 01 57.1–2.5 10.17S 161.03E 47–22 3.9,3.7s **¶610384673**
NEIC II 20 06 01 58.4–1.6 10.1S–.10 160.89E–.10 50–8 4.7b,3.7s
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 20 06 19 09.7–.91 10.2S–.10 161.0E–.10 67 3.5b 10 1-96
IDC II 20 06 19 07.5–3.0 10.19S 161.12E 43–26 3.7,3.6L **¶610384674**
ISC Event type ke.
IDC Error ellipse: s-maj=28.8km s-min=18.4km az=60.0.
ISC II 20 07 42 37.8–.47 5.88S–.07 154.55E–.08 200 4.3b 67 3-97
IDC II 20 07 42 34.4–2.1 5.88S 154.71E 161–17 4.0,3.5b **¶610384676**
NEIC II 20 07 42 36.5–1.5 5.9S–.10 154.60E–.09 177–7 4.5b,3.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 20 23 54 34.9–1.1 10.1S–.10 160.9E–.10 67 3.8b 10 1-96
IDC II 20 23 54 25.6–1.2 10.18S 161.19E 0 4.5s,3.9 **¶610384714**
ISC Event type ke.
IDC Error ellipse: s-maj=27.0km s-min=22.1km az=133.0.
ISC II 21 02 02 34.0–1.7 7.3S–.30 156.4E–.20 100 3.9b 9 9-154
IDC II 21 02 02 38.0–11 7.27S 156.12E 127–82 4.0,3.6b **¶610384723**
ISC Event type ke.
IDC Error ellipse: s-maj=98.2km s-min=32.0km az=102.0.
ISC II 21 06 45 29.9–.73 7.0S–.10 155.2E–.10 10 4.4b,3.1s 36 4-153
IDC II 21 06 45 28.2–.90 6.98S 155.28E 0 4.0,4.0b **¶610384730**
NEIC II 21 06 45 31.0–1.5 7.0S–.10 155.2E–.10 10–1 4.5b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 21 10 01 33.5–.40 10.96S–.05 161.33E–.06 28 4.8b,4.0s 121 2-100
IDC II 21 10 01 28.6–.78 10.96S 161.38E 0 4.4,4.4b **¶610272831**
BJI II 21 10 01 30.8–.00 10.63S 161.44E 14 5.1b,4.7s
NEIC II 21 10 01 31.5–1.6 10.92S–.07 161.33E–.08 10–1 4.9b,4.7s
GCMT II 21 10 01 33.5–.30 11.16S–.04 161.34E–.03 22–1 4.9W,4.7s
NOU II 21 10 01 33.6 10.57S 161.70E 64 4.7b,4.7s
ISC Event type se.
IDC Error ellipse: s-maj=20.0km s-min=16.9km az=110.0.
NEIC Event type se. Error ellipse: s-maj=15.0km s-min=11.2km az=56.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s25,c25; s67,c76;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.64±.20 $M_{\theta\theta}$-0.91±.14; $M_{\phi\phi}$-1.73±.14; $M_{r\theta}$1.27±.24; $M_{\theta\phi}$0.65±.09; $M_{\phi r}$-1.42±.20; Best double couple: NP1:ϕ_s144.00000°,δ64.00000°,λ85.00000°. NP2:ϕ_s335.00000°,δ26.00000°,λ100.00000°. Principal axes: T 3.3240,Plg70.0000° ,Azm43.0000°; N -0.5910,Plg4.0000°,Azm146.0000°; P -2.7370,Plg19.0000°,Azm237.0000° $M_0$3.03100×10^{16}
NOU Solomon Islands.
ISC II 21 13 07 15.8–1.1 10.6S–.10 161.1E–.20 62 3.3b 7 2-85
IDC II 21 13 07 09.0–1.6 10.51S 161.18E 0 3.6,3.6b **¶610384752**
ISC Event type ke.
IDC Error ellipse: s-maj=34.9km s-min=25.3km az=62.0.
ISC II 21 16 20 50.1–1.4 10.6S–.20 161.4E–.20 61 3.4b 8 2-90
IDC II 21 16 20 50.4–3.1 10.58S 161.42E 60–23 3.7,3.7L **¶610384761**
ISC Event type ke.
IDC Error ellipse: s-maj=40.1km s-min=18.3km az=58.0.
IDC II 21 22 51 37.9–1.9 7.80S 155.24E 0 4.0L,3.6 ¶610384776
IDC Error ellipse: s-maj=56.9km s-min=29.0km az=122.0.
IDC II 22 05 40 28.6–4.5 6.01S 155.90E 0 3.7,3.7b ¶610384788
IDC Error ellipse: s-maj=145.3km s-min=41.6km az=111.0.
ISC II 23 03 05 57.2–.58 6.90S–.08 154.64E–.09 39 3.9b 29 4-153
IDC II 23 03 05 57.1–.67 6.91S 154.57E 37–4 4.0,4.0L **¶610384842**
ISC Event type ke.
IDC Error ellipse: s-maj=21.7km s-min=18.0km az=121.0.
ISC II 24 01 57 44.5–.48 5.90S–.06 154.92E–.07 150 4.0b 88 3-153
DJA II 24 01 57 43.2–1.9 5S–17 155E–18 218–17 5.2,5.0 **¶610384913**
IDC II 24 01 57 45.2–.69 5.97S 154.85E 159–5 4.2,3.7b
NEIC II 24 01 57 46.0–2.1 5.8S–.10 154.9E–.10 173–9 4.2b,3.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 24 09 44 19.0–.31 9.70S–.04 159.83E–.05 34 4.9b,4.0s 374 0-158
IDC II 24 09 44 14.7–.45 9.74S 159.57E 0 4.5,4.5b **¶610240229**
BJI II 24 09 44 17.7–.00 9.35S 159.88E 22 5.2b,4.7b
NEIC II 24 09 44 18.6–1.4 9.66S–.05 159.79E–.08 27–4 4.9b,4.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 24 18 43 54.9–.87 10.47S–.09 161.2E–.10 50 4.0b 29 2-84
NEIC II 24 18 43 55.6–1.3 10.41S–.05 161.2E–.10 49–10 4.3b **¶610384952**
IDC II 24 18 43 55.3–2.8 10.39S 161.31E 71–21 3.8,3.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.8km s-min=4.6km az=73.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=29.1km s-min=19.5km az=68.0.
ISC II 26 00 44 13.4–.59 5.8S–.10 154.9E–.10 89 4.2b 33 3-153
NEIC II 26 00 44 15.2–.93 5.7S–.10 154.8E–.10 99–8 4.3b **¶610385027**
IDC II 26 00 44 21.4–2.0 5.89S 154.71E 164–16 4.0,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=22.8km s-min=15.1km az=45.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=21.3km s-min=16.3km az=76.0.
ISC II 26 10 15 53.9–.92 5.9S–.10 154.7E–.10 200 4.4b 33 3-84
IDC II 26 10 15 52.5–2.0 5.86S 154.76E 184–17 4.0,3.4b **¶610385053**
NEIC II 26 10 15 53.8–1.5 5.8S–.20 154.8E–.20 192–11 4.5b,3.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 27 11 26 28.2–.46 6.06S–.06 155.02E–.06 150 4.5b 91 3-153
DJA II 27 11 26 29.8–2.0 6S–8.0 155E–19 172–10 4.9b,4.9 **¶610241635**
IDC II 27 11 26 30.7–1.9 6.06S 154.90E 179–17 4.4,3.9b
NEIC II 27 11 26 30.9–.98 6.0S–.10 155.0E–.10 176–6 4.6b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC II 27 16 59 26.5–3.3 11.31S 163.17E 0 5.0L,3.8 ¶610385139
IDC Error ellipse: s-maj=58.5km s-min=43.3km az=72.0.
ISC II 27 17 32 09.9–.71 6.54S–.08 155.03E–.09 350 4.0b 42 4-84
NEIC II 27 17 32 09.7–1.1 6.5S–.10 155.15E–.09 343–8 4.1b **¶610385143**
IDC II 27 17 32 10.0–1.5 6.58S 155.11E 347–16 4.3,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.8km s-min=6.1km az=216.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=25.5km s-min=17.0km az=105.0.
ISC II 27 23 03 19.8–2.0 6.7S–.30 154.1E–.30 10 4.0b 8 7-152
IDC II 27 23 03 19.5–2.6 6.59S 153.92E 0 3.7,3.6b **¶610385158**
ISC Event type ke.
IDC Error ellipse: s-maj=77.7km s-min=26.2km az=121.0.
IDC II 28 10 46 25.2–1.4 6.27S 154.37E 0 3.4,3.4b ¶610385196
IDC Error ellipse: s-maj=58.9km s-min=28.2km az=119.0.
ISC III 01 00 43 22.2–.64 10.56S–.08 161.34E–.10 61 4.2b 42 2-160
NEIC III 01 00 43 20.4–1.6 10.59S–.10 161.5E–.10 39–8 4.4b **¶610545283**
IDC III 01 00 43 23.2–2.6 10.49S 161.34E 67–21 4.1,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.9km s-min=11.6km az=53.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=25.2km s-min=17.8km az=74.0.
IDC III 01 10 44 22.6–6.3 10.54S 161.34E 53–49 3.6,3.3b ¶610545318
IDC Error ellipse: s-maj=44.2km s-min=27.8km az=108.0.
ISC III 01 16 47 48.6–.41 10.80S–.05 161.93E–.06 36 4.8b,4.0s 145 2-132
NOU III 01 16 47 46.5 10.71S 161.98E 0 4.9b,4.0s **¶610243150**
BJI III 01 16 47 47.4–.00 11.01S 161.65E 32 5.1b,4.7b
NEIC III 01 16 47 48.8–1.4 10.80S–.08 161.95E–.10 40–7 4.9b,4.7b
GCMT III 01 16 47 50.8–.40 10.84S–.02 161.76E–.02 35–1 4.9W,4.7b
IDC III 01 16 47 51.4–2.5 10.83S 161.83E 65–20 4.1,3.9s
ISC Event type se.
NOU Solomon Islands.
NEIC Event type se. Error ellipse: s-maj=14.7km s-min=10.8km az=60.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s20,c22; s65,c81;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.98±.24 $M_{\theta\theta}$-0.62±.16; $M_{\phi\phi}$-1.36±.15; $M_{r\theta}$-0.36±.13; $M_{\theta\phi}$2.04±.08; $M_{\phi r}$-1.31±.14; Best double couple: NP1:ϕ_s168.00000°,δ61.00000°,λ127.00000°. NP2:ϕ_s290.00000°,δ45.00000°,λ42.00000°. Principal axes: T 2.8050,Plg57.0000° ,Azm129.0000°; N 0.3840,Plg32.0000°,Azm328.0000°; P -3.1860,Plg9.0000°,Azm233.0000° $M_0$2.99500×10^{16}
IDC Error ellipse: s-maj=21.6km s-min=13.6km az=80.0.
IDC III 01 17 44 29.2–9.0 5.98S 155.29E 0 3.2,3.2b ¶610545336
IDC Error ellipse: s-maj=261.3km s-min=39.7km az=107.0.
ISC III 01 20 25 10.9–.74 8.4S–.20 156.51E–.07 10 4.2b 20 4-86
IDC III 01 20 25 12.5–1.4 8.22S 155.84E 0 5.4L,3.9 **¶610545345**
NEIC III 01 20 25 13.3–1.2 8.20S–.07 156.2E–.10 10–1 4.4b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 01 20 33 16.8–.35 8.27S–.06 156.41E–.05 21 4.8b,3.9s 149 4-155
IDC III 01 20 33 13.5–.55 8.29S 156.36E 0 4.5,4.5b **¶610243157**
DJA III 01 20 33 14.1–.60 8S–4.0 157E–8.0 20–3 5.3b,4.9
BJI III 01 20 33 14.5–.00 8.06S 156.68E 20 5.1b,4.7s
GCMT III 01 20 33 16.8–.30 8.44S–.02 156.49E–.02 19–1 4.8W,4.7s
NEIC III 01 20 33 16.8–1.9 8.31S–.09 156.27E–.05 18–5 4.9b,4.7s
ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s20,c23; s79,c106;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.34±.11 $M_{\theta\theta}$-0.10±.09; $M_{\phi\phi}$-0.24±.08; $M_{r\theta}$-0.09±.18; $M_{\theta\phi}$2.05±.08; $M_{\phi r}$-0.53±.18; Best double couple: NP1:ϕ_s180.00000°,δ85.00000°,λ164.00000°. NP2:ϕ_s272.00000°,δ74.00000°,λ6.00000°. Principal axes: T 1.9930,Plg15.0000° ,Azm135.0000°; N 0.2690,Plg73.0000°,Azm341.0000°; P -2.2640,Plg7.0000°,Azm227.0000° $M_0$2.12900×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 02 08 17 57.7–.82 8.2S–.20 156.2E–.10 18 3.9b,3.1s 10 4-97
IDC III 02 08 17 55.0–1.0 8.15S 156.13E 0 5.1L,4.0 **¶610545370**
ISC Event type ke.
IDC Error ellipse: s-maj=33.2km s-min=23.5km az=131.0.
ISC III 02 10 09 45.1–.42 6.36S–.06 155.02E–.06 50 4.7b,3.3s 96 4-153
NEIC III 02 10 09 43.9–1.8 6.40S–.09 155.16E–.04 41–9 4.8b,3.3s **¶610243234**
DJA III 02 10 09 45.9–.50 6S–3.0 155E–4.0 77–6 4.8,4.7
IDC III 02 10 09 49.8–1.4 6.25S 154.74E 84–13 4.4,4.1b
ISC Event type se.

NEIC Event type se. Error ellipse: s-maj=12.8km s-min=4.7km az=188.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=14.7km s-min=9.7km az=45.0.
ISC III 02 20 14 26.4–.34 6.10S–.05 154.99E–.05 150 4.8b 222 3-153
BJI III 02 20 14 26.0–.00 6.10S 154.90E 156 5.0b,4.2b **¶610244539**
NEIC III 02 20 14 27.7–1.9 6.09S–.08 154.97E–.08 161–8 4.8b,4.2b
IDC III 02 20 14 28.9–1.0 6.09S 154.91E 176–9 4.6,4.0b
DJA III 02 20 14 29.0–.40 6S–4.0 155E–4.0 178–3 6.9,6.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC III 03 06 05 00.2–2.4 6.02S 154.94E 174–22 4.0s,3.8
¶610545431
IDC Error ellipse: s-maj=35.9km s-min=22.3km az=46.0.
ISC III 03 08 40 52.4–.73 10.41S–.08 161.0E–.10 62 4.1b 31 1-97
NEIC III 03 08 40 46.9–1.4 10.53S–.08 161.1E–.10 10–1 4.3b **¶610545440**
IDC III 03 08 40 51.4–4.4 10.43S 161.14E 61–32 4.4L,4.1
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=24.1km s-min=12.4km az=72.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=36.9km s-min=17.4km az=101.0.
IDC III 03 22 44 02.2–15 7.77S 156.94E 0 3.8,3.8b
¶610545481
IDC Error ellipse: s-maj=456.4km s-min=46.0km az=116.0.
ISC III 04 02 58 22.4–.30 7.29S–.03 155.76E–.03 41–2 5.8s,5.8b 1833 5-169
MOS III 04 02 58 17.5–.94 7.16S 155.68E 14 6.1b,5.7s **¶615092497**
IDC III 04 02 58 18.8–1.4 7.23S 155.77E 17–7 5.6s,5.4
NEIC III 04 02 58 20.3–2.1 7.33S–.07 155.75E–.06 17–1 6.1,5.9
NEIC III 04 02 58 20.7 7.33S 155.74E 19 6.1,5.9
BJI III 04 02 58 22.4–.00 6.89S 155.96E 57 5.9b,5.8s
NEIC III 04 02 58 23.5 7.31S 155.74E 30 5.9b,5.8s
NEIC III 04 02 58 23.5 7.31S 155.74E 30 5.9b,5.8s
GCMT III 04 02 58 24.3–.10 7.45S 155.73E 22–0 6.0W,5.8s
DJA III 04 02 58 26.9–.40 7S–2.0 156E–3.0 79–4 6.1b,6.0
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s285.80429°,δ29.02605°,λ68.92050°. NP2: ϕ_s129.59337°,δ63.08050°,λ101.28670°. Principal axes: T Plg69.7892°,Azm63.2084° ; N Plg10.0502°,Azm304.4303°; P Plg17.3471°,Azm211.2568°
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}6.93 $M_{\theta\theta}$-4.10 $M_{\phi\phi}$-2.83 $M_{r\theta}$1.78 $M_{\theta\phi}$4.30 $M_{\phi r}$-3.05 NP1:ϕ_s139.69000°,δ57.85000°,λ100.21000°. NP2:ϕ_s300.99000°,δ33.57000° ,λ74.25000°. Principal axes: T 7.8290,Plg75.0000°,Azm78.0000°; N 0.7042,Plg9.0000° ,Azm314.0000°; P -8.5331,Plg12.0000°,Azm222.0000° $M_0$8.20000×10^{17}
NEIC Event type se.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 5^s5 Moment tensor: Scale 10^{18}Nm; M_{rr}1.38 $M_{\theta\theta}$-1.04 $M_{\phi\phi}$-0.34 $M_{r\theta}$0.33 $M_{\theta\phi}$0.74 $M_{\phi r}$-0.40 NP1:ϕ_s128.71000°,δ54.78000° ,λ97.62000°. NP2:ϕ_s295.65000°,δ35.93000°,λ79.36000°. Principal axes: T 1.4797,Plg79.0000°,Azm67.0000°; N 0.1066,Plg6.0000°,Azm304.0000° ; P -1.5862,Plg9.0000°,Azm213.0000° $M_0$1.53000×10^{18}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s173,c393; s170,c569; Duration: 2^s5 Moment tensor: Scale 10^{18}Nm; M_{rr}1.05±.01 $M_{\theta\theta}$-0.83±.01; $M_{\phi\phi}$-0.21±.01; $M_{r\theta}$0.45±.01; $M_{\theta\phi}$0.57±.01; $M_{\phi r}$-0.49±.01; Best double couple: NP1:ϕ_s130.00000°,δ61.00000° ,λ100.00000°. NP2:ϕ_s291.00000°,δ31.00000°,λ73.00000°. Principal axes: T 1.2540,Plg73.0000°,Azm63.0000°; N 0.0890,Plg9.0000°,Azm305.0000° ; P -1.3450,Plg15.0000°,Azm213.0000° $M_0$1.29900×10^{18}
ISC III 04 03 16 33.3–.24 7.30S–.05 155.77E–.04 44 5.1b,5.0s 428 5-161
MOS III 04 03 16 31.0–.88 7.14S 155.65E 30 5.3b,5.0s **¶615092498**
NEIC III 04 03 16 32.0–1.7 7.27S–.04 155.71E–.07 24–3 5.2b,5.0s
GCMT III 04 03 16 33.0–.40 7.47S–.03 155.76E–.03 27–1 5.2W,5.0s
BJI III 04 03 16 33.2–.00 6.95S 155.98E 53 5.5b,5.4s
IDC III 04 03 16 34.5–2.0 7.33S 155.79E 55–18 5.0s,4.8
DJA III 04 03 16 38.7–.90 8S–7.0 156E–6.0 71–10 5.2b,5.0
BGR III 04 03 16 40.8 7.46S 155.73E 33 5.4s,5.0
ISC Event type ke.
MOS Error ellipse: s-maj=8.8km s-min=6.6km az=117.1.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=5.2km az=86.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s19,c21; s65,c92;Duration: 1^s0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.68±.07 $M_{\theta\theta}$-0.52±.04; $M_{\phi\phi}$-0.15±.04; $M_{r\theta}$0.26±.06; $M_{\theta\phi}$0.35±.02; $M_{\phi r}$-0.47±.06; Best double couple: NP1:ϕ_s138.00000°,δ64.00000°,λ106.00000°. NP2:ϕ_s285.00000°,δ31.00000°,λ60.00000°. Principal axes: T 0.8960,Plg67.0000° ,Azm79.0000°; N -0.0140,Plg15.0000°,Azm311.0000°; P -0.8820,Plg17.0000° ,Azm216.0000° $M_0$0.88900×10^{17}
IDC Error ellipse: s-maj=12.7km s-min=9.9km az=54.0.
BGR Event type ke.
ISC III 04 03 18 40.9–.33 7.38S–.06 155.86E–.06 44 5.0b 189 5-161
BJI III 04 03 18 39.2–.00 6.94S 155.97E 33 5.6b,5.3 **¶610470908**
MOS III 04 03 18 39.0–.92 7.17S 155.67E 31 5.3b,5.3
NEIC III 04 03 18 39.3–1.7 7.3S–.10 155.8E–.10 25–3 5.0b,5.3
IDC III 04 03 18 42.8–2.5 7.28S 155.87E 55–21 4.7,4.4b
ISC Event type se.
MOS Error ellipse: s-maj=10.3km s-min=9.0km az=112.1.
NEIC Event type se. Error ellipse: s-maj=15.8km s-min=14.8km az=175.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=16.6km s-min=12.6km az=59.0.
ISC III 04 03 30 06.2–.53 7.34S–.08 155.77E–.07 44 4.2b 42 5-154
NEIC III 04 03 30 03.9–1.3 7.3S–.10 155.81E–.09 21–5 4.3b **¶610545488**
IDC III 04 03 30 06.7–1.5 7.32S 155.79E 48–14 4.4s,4.1
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.9km s-min=11.3km az=205.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=17.0km s-min=11.4km az=36.0.
ISC III 04 03 49 59.6–.34 7.26S–.06 155.72E–.06 50 4.9b,4.5s 166 5-154
NEIC III 04 03 49 55.0–2.2 7.17S–.10 155.81E–.08 10–1 5.0b,4.5s **¶610470910**
MOS III 04 03 49 58.3–1.0 7.12S 155.57E 45 5.1b,4.5s
BJI III 04 03 49 59.1–.00 6.83S 156.04E 56 5.5b,5.0s
IDC III 04 03 50 01.5–1.6 7.26S 155.75E 68–14 4.4,4.2s
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.5km s-min=11.7km az=208.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=10.0km s-min=7.9km az=119.1.
IDC Error ellipse: s-maj=15.0km s-min=10.0km az=39.0.
ISC III 04 03 59 42.5–1.2 7.7S–.30 156.2E–.30 44 3.6b 11 24-154
IDC III 04 03 59 36.1–1.3 7.63S 156.21E 0 3.6,3.6b **¶610545490**
ISC Event type ke.
IDC Error ellipse: s-maj=49.6km s-min=29.9km az=117.0.
ISC III 04 04 05 00.8–.95 7.1S–.20 155.4E–.10 50 3.6b 8 5-84
IDC III 04 04 04 53.6–2.1 7.07S 155.50E 0 3.7,3.7b **¶610545491**
ISC Event type ke.
IDC Error ellipse: s-maj=74.2km s-min=25.1km az=112.0.
IDC III 04 04 20 39.4–6.4 6.88S 154.79E 0 3.4,3.4b
¶610545492
IDC Error ellipse: s-maj=183.9km s-min=38.9km az=111.0.
ISC III 04 06 32 16.9–.56 5.97S–.07 154.79E–.09 200 4.0b 49 3-153
NEIC III 04 06 32 14.3–1.9 5.9S–.10 155.04E–.05 170–8 4.2b **¶610545500**
IDC III 04 06 32 14.1–1.8 5.96S 154.86E 168–15 4.1,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.8km s-min=5.4km az=195.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=20.0km s-min=12.3km az=77.0.
ISC III 04 07 04 42.6–.55 10.46S–.07 161.58E–.08 61 4.3b 62 2-115
IDC III 04 07 04 42.3–2.5 10.50S 161.56E 61–20 4.2,3.8b **¶610545502**
NEIC III 04 07 04 42.8–1.5 10.5S–.10 161.6E–.10 54–8 4.4b,3.8b
NOU III 04 07 04 42.2 10.45S 161.65E 36 4.8b,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=21.9km s-min=13.5km az=75.0.
NEIC Event type se. Error ellipse: s-maj=20.4km s-min=11.7km az=55.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Solomon Islands.
ISC III 04 07 33 03.8–.85 7.1S–.20 155.4E–.10 50 3.8b 10 5-148
IDC III 04 07 33 07.2–4.4 7.24S 155.52E 88–44 3.8,3.6s **¶610545504**
ISC Event type ke.
IDC Error ellipse: s-maj=32.5km s-min=20.3km az=142.0.
ISC III 04 08 02 16.3–1.9 7.5S–.40 156.0E–.40 44 3.5b 7 9-96
IDC III 04 08 02 10.0–2.2 7.46S 156.01E 0 3.6,3.6b **¶610545507**
ISC Event type ke.
IDC Error ellipse: s-maj=79.2km s-min=28.8km az=126.0.
ISC III 04 08 43 38.2–1.5 7.1S–.10 156.1E–.20 100 3.8b 10 5-93
IDC III 04 08 43 40.1–7.8 7.08S 155.92E 112–52 4.0,3.6b **¶610545509**
ISC Event type ke.
IDC Error ellipse: s-maj=71.0km s-min=24.0km az=94.0.
ISC III 04 09 42 34.1–1.6 7.8S–.20 156.7E–.20 35 4.0b 8 6-94
IDC III 04 09 42 27.5–2.7 7.86S 157.00E 0 4.0,4.0b **¶610545514**
ISC Event type ke.
IDC Error ellipse: s-maj=72.5km s-min=38.5km az=114.0.
ISC III 04 10 05 23.9–.70 7.33S–.05 155.78E–.06 42–6 4.9b,3.8s 206 5-154
NEIC III 04 10 05 20.2–1.7 7.39S–.08 155.75E–.07 10–1 4.9b,3.8s **¶610245303**
MOS III 04 10 05 24.3–.86 7.15S 155.63E 49 5.2b,3.8s
BJI III 04 10 05 24.1–.00 6.89S 155.91E 49 5.3b,4.8b
IDC III 04 10 05 29.1–1.4 7.25S 155.68E 85–12 4.6,4.3b
DJA III 04 10 05 34.1–.60 7S–5.0 155E–5.0 114–8 5.0,4.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC III 04 12 49 26.4–1.6 9.22S 159.09E 0 3.4,3.4b
¶610545524
IDC Error ellipse: s-maj=55.5km s-min=16.5km az=4.0.
ISC III 04 13 08 22.0–.78 9.3S–.20 159.12E–.09 35 3.5b 10 1-96
IDC III 04 13 08 16.8–.88 9.24S 159.13E 0 3.7,3.6b **¶610545525**
ISC Event type ke.
IDC Error ellipse: s-maj=27.9km s-min=15.3km az=5.0.
ISC III 04 15 02 58.5–.82 7.5S–.20 155.6E–.10 100 3.5b 10 5-85
IDC III 04 15 02 57.8–2.6 7.54S 155.72E 96–25 3.8,3.6s **¶610545534**
ISC Event type ke.
IDC Error ellipse: s-maj=28.2km s-min=25.0km az=142.0.
ISC III 05 07 16 15.7–.48 8.45S–.07 156.28E–.06 10 4.4b,4.0s 45 4-146
NEIC III 05 07 16 13.0–1.6 8.1S–.10 156.38E–.03 10–1 4.7b,4.0s **¶610315700**
IDC III 05 07 16 22.4–1.5 8.42S 156.09E 49–16 4.1,3.9s
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=22.8km s-min=3.5km az=11.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=17.4km s-min=11.3km az=33.0.
ISC III 05 07 35 00.2–.75 10.70S–.10 161.8E–.10 54 3.8b,3.5s 14 2-115
IDC III 05 07 35 01.0–2.5 10.73S 161.79E 61–21 3.9,3.9L **¶610545579**
ISC Event type se.
IDC Error ellipse: s-maj=26.9km s-min=14.4km az=65.0.
ISC III 05 08 53 40.0–1.1 10.5S–.10 161.3E–.20 61 3.6b 9 2-90
IDC III 05 08 53 40.0–2.5 10.52S 161.32E 58–21 3.8,3.5L **¶610545582**
ISC Event type ke.
IDC Error ellipse: s-maj=27.0km s-min=15.2km az=62.0.
ISC III 05 14 32 38.0–.98 10.6S–.10 161.7E–.10 10 3.9b 18 2-84
IDC III 05 14 32 36.7–1.8 10.66S 161.68E 0 5.3L,3.9 **¶610545596**
NEIC III 05 14 32 38.5–.73 10.6S–.20 161.8E–.10 13–10 4.2b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 06 06 48 19.4–.85 7.7S–.20 155.7E–.10 150 3.3b 10 5-154
IDC III 06 06 48 20.4–1.3 7.60S 155.80E 170–13 3.8,3.3b **¶610545631**
ISC Event type ke.
IDC Error ellipse: s-maj=24.3km s-min=12.5km az=32.0.
IDC III 06 07 58 18.2–2.9 10.56S 161.48E 68–21 3.7,3.2b
¶610545640
IDC Error ellipse: s-maj=46.4km s-min=16.5km az=54.0.
IDC III 06 11 42 03.4–5.5 10.37S 161.57E 0 3.5,3.5b
¶610545657
IDC Error ellipse: s-maj=317.3km s-min=32.4km az=137.0.
ISC III 07 06 10 13.8–.73 6.01S–.07 154.83E–.09 200 4.5b 62 3-153
IDC III 07 06 10 11.6–2.3 6.10S 155.04E 179–20 4.2,3.7b **¶610545707**
DJA III 07 06 10 14.1–.90 6S–5.0 155E–8.0 221–6 5.1,5.1b
NEIC III 07 06 10 19.3–1.6 6.25S–.10 154.1E–.10 182–18 4.5b,5.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 07 10 59 57.2–.93 10.4S–.10 161.4E–.10 61 3.6b 9 2-96
IDC III 07 10 59 58.0–2.9 10.42S 161.33E 68–24 3.9,3.5b **¶610545728**
ISC Event type ke.
IDC Error ellipse: s-maj=31.1km s-min=21.1km az=61.0.
IDC III 07 18 57 09.5–10 10.11S 161.30E 0 3.5,3.5b
¶610545750
IDC Error ellipse: s-maj=286.7km s-min=42.7km az=117.0.
ISC III 08 02 42 21.8–.57 7.23S–.08 155.75E–.07 150 3.9b 39 5-154
NEIC III 08 02 42 09.9–1.5 7.2S–.10 156.2E–.10 50–5 4.3b **¶610545771**
IDC III 08 02 42 21.4–1.3 7.18S 155.78E 137–12 4.1,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.5km s-min=15.8km az=97.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=15.9km s-min=11.2km az=28.0.
ISC III 08 03 26 56.9–.58 6.16S–.08 154.70E–.07 61 4.0b 24 3-153
IDC III 08 03 26 58.7–1.5 6.22S 154.67E 82–13 4.1,3.8b **¶610545772**
ISC Event type ke.
IDC Error ellipse: s-maj=15.2km s-min=10.6km az=40.0.
ISC III 08 04 35 47.9–1.5 6.0S–.10 154.5E–.20 200 3.2b 10 3-152
IDC III 08 04 35 48.0–5.2 6.03S 154.48E 198–33 3.7,3.1b **¶610545778**
ISC Event type ke.
IDC Error ellipse: s-maj=62.6km s-min=18.1km az=103.0.
ISC III 08 15 01 12.5–.65 7.03S–.09 155.84E–.08 62 4.0b 30 5-84
NEIC III 08 15 01 10.9–2.5 7.05S–.07 156.15E–.08 58–6 4.2b **¶610545817**
IDC III 08 15 01 13.9–1.7 7.03S 155.79E 72–17 3.8,3.5s
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.4km s-min=10.4km az=59.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=25.2km s-min=12.1km az=37.0.
ISC III 08 20 44 39.9–.44 6.41S–.05 155.48E–.06 138–3 4.5b 313 4-160
IDC III 08 20 44 39.2–.56 6.38S 155.44E 133–4 4.5,4.0b **¶610305289**
NEIC III 08 20 44 40.7–1.7 6.43S–.07 155.44E–.07 141–5 4.6b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 09 13 35 18.8–.43 5.13S–.05 154.92E–.05 84–3 4.9b 411 3-152
DJA III 09 13 35 17.4–.50 5S–4.0 155E–4.0 96–5 5.2,5.2b **¶610312618**
IDC III 09 13 35 18.9–.57 5.14S 154.96E 80–4 4.8,4.4b
NEIC III 09 13 35 18.9–2.1 5.06S–.07 154.94E–.08 83–6 4.9b,4.4b
MOS III 09 13 35 18.3–.97 5.09S 154.96E 91 4.9b,4.4b
BJI III 09 13 35 19.0–.00 4.68S 154.70E 74 5.0b,5.0b
ISC Event type se.
IDC Error ellipse: s-maj=9.7km s-min=9.1km az=40.0.

NEIC Event type se. Error ellipse: s-maj=12.7km s-min=9.5km az=53.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=11.1km s-min=7.0km az=93.0.
ISC III 09 17 20 25.6–.33 10.43S–.05 161.36E–.06 61 4.9b 408 2-148
NOU III 09 17 20 24.6 10.32S 161.48E 49 4.8b **¶610315709**
BJI III 09 17 20 24.4–.00 10.09S 161.42E 50 4.9b,4.6b
IDC III 09 17 20 26.6–1.8 10.45S 161.33E 69–14 4.4,4.1b
NEIC III 09 17 20 26.6–1.4 10.45S–.07 161.32E–.09 60–7 4.9b,4.1b
ISC Event type se.
NOU Solomon Islands.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 10 06 16 27.2–.81 10.7S–.10 161.6E–.10 61 3.9b 11 2-97
IDC III 10 06 16 27.1–2.7 10.75S 161.46E 60–22 4.1L,3.9 **¶610545927**
ISC Event type ke.
IDC Error ellipse: s-maj=28.6km s-min=17.9km az=59.0.
ISC III 10 16 27 12.5–.86 10.3S–.10 161.6E–.10 61 3.6b 10 2-96
IDC III 10 16 27 14.4–2.8 10.31S 161.46E 79–22 3.7,3.3s **¶610545972**
ISC Event type ke.
IDC Error ellipse: s-maj=27.7km s-min=20.7km az=74.0.
ISC III 12 00 45 46.5–1.1 6.0S–.20 154.8E–.20 150 3.6b 10 3-153
IDC III 12 00 45 48.4–4.7 5.89S 154.67E 163–33 3.7,3.3b **¶610546046**
ISC Event type ke.
IDC Error ellipse: s-maj=49.4km s-min=21.5km az=105.0.
IDC III 12 04 38 55.9–4.4 6.50S 154.67E 0 3.5,3.5b
¶610546058
IDC Error ellipse: s-maj=145.8km s-min=32.1km az=112.0.
ISC III 12 06 10 35.8–1.4 10.7S–.10 161.4E–.20 61 3.7b 9 2-90
IDC III 12 06 10 35.9–3.2 10.59S 161.36E 54–23 3.9,3.6b **¶610546062**
ISC Event type ke.
IDC Error ellipse: s-maj=35.8km s-min=17.8km az=65.0.
ISC III 13 04 57 19.9–.52 10.89S–.06 161.83E–.08 50 4.4b,3.7s 68 2-115
NEIC III 13 04 57 19.7–1.1 10.81S–.09 161.81E–.09 44–8 4.5b,3.7s **¶610546112**
NOU III 13 04 57 20.7 10.80S 161.82E 117 4.6b,3.7s
IDC III 13 04 57 21.0–2.8 10.86S 161.72E 58–24 4.3L,4.2
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.3km s-min=4.4km az=223.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Solomon Islands.
IDC Error ellipse: s-maj=24.3km s-min=18.7km az=113.0.
IDC III 13 12 04 02.9–8.4 10.38S 160.84E 0 3.5,3.5b
¶610546136
IDC Error ellipse: s-maj=228.1km s-min=46.1km az=116.0.
ISC III 13 13 28 55.2–.82 7.3S–.20 155.5E–.10 50 3.6b 10 5-84
IDC III 13 13 28 57.0–1.7 7.26S 155.52E 76–18 3.8,3.4b **¶610546140**
ISC Event type ke.
IDC Error ellipse: s-maj=27.6km s-min=12.4km az=33.0.
IDC III 14 01 08 47.4–3.6 10.22S 161.55E 91–24 3.7,3.3b
¶610546169
IDC Error ellipse: s-maj=48.7km s-min=24.9km az=55.0.
ISC III 14 11 54 07.2–.94 8.6S–.20 157.76E–.10 10 3.7b 8 2-91
IDC III 14 11 54 05.7–1.0 8.61S 157.74E 0 4.9L,3.7 **¶610546200**
ISC Event type ke.
IDC Error ellipse: s-maj=35.0km s-min=23.2km az=143.0.
IDC III 15 19 02 30.4–6.0 7.63S 154.34E 0 3.5,3.4b
¶610546269
IDC Error ellipse: s-maj=115.4km s-min=30.8km az=87.0.
ISC III 15 21 10 30.6–1.1 7.0S–.90 156.2E–.60 100 3.8b 6 4-85
IDC III 15 21 10 29.9–1.5 7.15S 156.07E 93–16 4.0,3.6s **¶610546273**
ISC Event type ke.
IDC Error ellipse: s-maj=24.0km s-min=12.2km az=32.0.
IDC III 16 15 05 40.0–8.0 5.51S 154.30E 118–53 3.4,3.0b
¶610546318
IDC Error ellipse: s-maj=81.1km s-min=33.4km az=94.0.
ISC III 16 18 25 26.3–.28 8.13S–.04 160.90E–.05 35 5.1b,4.8s 621 2-159
NEIC III 16 18 25 23.3–2.5 8.07S–.07 160.82E–.07 10–1 5.1b,4.8s **¶610330700**
GCMT III 16 18 25 24.3–.10 8.04S–.01 161.07E–.01 12 5.2W,4.8s
BJI III 16 18 25 25.1–.00 7.81S 161.34E 43 5.3b,5.0s
MOS III 16 18 25 26.1–1.1 8.07S 160.71E 47 5.3b,4.6s
IDC III 16 18 25 27.2–2.4 8.07S 160.84E 51–21 4.7s,4.7
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.0km s-min=11.3km az=42.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function. Moment Tensor Solution. s85,c125; s130,c204;Duration: 1s0
Moment tensor: Scale 10^{16}Nm; M_{rr}7.39±.11 $M_{\theta\theta}$-3.76±.10; $M_{\phi\phi}$-3.64±.11; $M_{r\theta}$0.17±.28;
$M_{\theta\phi}$3.42±.09; $M_{\phi r}$2.41±.32; Best double couple: NP1:ϕ_s327.00000°,δ52.00000°,λ106.00000°.
NP2:ϕ_s123.00000°,δ40.00000°,λ71.00000°. Principal axes: T 7.9630,Plg76.0000°
,Azm289.0000°; N -0.6790,Plg12.0000°,Azm138.0000°; P -7.2940,Plg6.0000°,Azm46.0000°
$M_0$7.62800×10^{16}
MOS Error ellipse: s-maj=8.0km s-min=6.5km az=75.1.
IDC Error ellipse: s-maj=16.5km s-min=12.1km az=81.0.
ISC III 16 18 28 33.9–.43 8.06S–.06 160.94E–.09 35 4.7b 96 2-159
NEIC III 16 18 28 30.7–2.6 8.03S–.06 160.9E–.10 10–1 4.8b **¶610546328**
IDC III 16 18 28 35.4–2.8 8.13S 160.96E 50–26 4.4,4.4L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.8km s-min=9.1km az=254.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=20.7km s-min=17.5km az=100.0.
ISC III 16 21 12 13.5–.58 7.99S–.07 161.0E–.10 35 4.3b,3.4s 46 2-159
IDC III 16 21 12 07.9–.96 8.12S 161.04E 0 4.2b,4.1 **¶610546335**
NEIC III 16 21 12 10.1–.58 7.92S–.04 160.9E–.10 10–1 4.4b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC III 16 22 00 35.4–3.4 7.75S 160.18E 0 3.8,3.8b
¶610546337
IDC Error ellipse: s-maj=76.1km s-min=27.1km az=86.0.
IDC III 17 02 25 28.2–3.7 7.68S 160.31E 0 3.6,3.6b
¶610546353
IDC Error ellipse: s-maj=86.1km s-min=28.4km az=90.0.
IDC III 17 05 06 41.7–4.0 7.69S 160.61E 0 4.0L,3.8
¶610546358
IDC Error ellipse: s-maj=99.7km s-min=28.4km az=100.0.
ISC III 17 07 41 43.1–.92 10.6S–.10 161.5E–.10 61 4.2b 12 2-99
IDC III 17 07 41 42.8–2.9 10.61S 161.40E 53–22 4.1,4.0L **¶610546367**
ISC Event type ke.
IDC Error ellipse: s-maj=26.2km s-min=17.3km az=71.0.
ISC III 17 08 01 46.6–1.4 10.6S–.10 161.4E–.20 61 3.6b 8 2-90
IDC III 17 08 01 37.2–2.0 10.71S 161.69E 0 4.4L,3.9s **¶610546370**
ISC Event type ke.
IDC Error ellipse: s-maj=50.3km s-min=29.2km az=127.0.
ISC III 17 08 25 39.2–1.5 10.0S–.20 160.8E–.20 67 3.2b 7 1-84
IDC III 17 08 25 30.1–1.8 10.03S 161.02E 0 3.6L,3.5 **¶610546372**
ISC Event type ke.
IDC Error ellipse: s-maj=30.5km s-min=29.1km az=28.0.
ISC III 17 09 52 47.5–.65 10.51S–.08 161.71E–.08 61 4.0b 36 2-90
IDC III 17 09 52 49.8–3.3 10.40S 161.73E 69–23 3.8,3.3b **¶610546378**
NEIC III 17 09 52 49.6–.99 10.46S–.04 161.7E–.10 82–9 4.3b,3.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 17 18 05 53.7–.34 8.00S–.04 161.02E–.06 35 4.9b,4.1s 269 2-159
NEIC III 17 18 05 50.2–1.2 8.00S–.07 161.02E–.08 10–1 5.1b,4.1s **¶616203827**
GCMT III 17 18 05 51.2–.30 8.06S–.03 161.07E–.03 14–1 4.8W,4.1s
MOS III 17 18 05 52.1–.89 8.11S 160.94E 36 5.1b,4.1s
BJI III 17 18 05 53.6–.00 7.71S 161.09E 37 5.2b,4.6b
IDC III 17 18 05 56.1–2.4 8.08S 160.90E 49–23 4.3,4.2L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.1km s-min=11.1km az=108.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function. Moment Tensor Solution. s12,c14; s87,c107;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}1.80±.14 $M_{\theta\theta}$-1.02±.08; $M_{\phi\phi}$-0.78±.09; $M_{r\theta}$0.12±.19;
$M_{\theta\phi}$0.57±.04; $M_{\phi r}$0.70±.23; Best double couple: NP1:ϕ_s325.00000°,δ53.00000°,λ108.00000°.
NP2:ϕ_s117.00000°,δ40.00000°,λ67.00000°. Principal axes: T 2.0000,Plg74.0000°
,Azm289.0000°; N -0.4830,Plg14.0000°,Azm134.0000°; P -1.5210,Plg7.0000°,Azm43.0000°
$M_0$1.76000×10^{16}
MOS Error ellipse: s-maj=11.0km s-min=9.4km az=96.7.
IDC Error ellipse: s-maj=21.1km s-min=17.4km az=113.0.
IDC III 17 18 09 51.0–3.2 7.67S 160.38E 0 3.7,3.7b
¶610546401
IDC Error ellipse: s-maj=87.6km s-min=24.6km az=96.0.
ISC III 17 18 14 07.7–.49 7.92S–.06 160.99E–.07 10 4.6b,3.6s 84 2-159
IDC III 17 18 14 04.7–.85 8.07S 161.16E 0 4.1,4.1b **¶610546402**
NEIC III 17 18 14 08.0–1.8 7.92S–.06 160.95E–.08 10–1 4.7b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC III 17 20 26 45.0–5.7 7.71S 156.23E 125–66 4.1,3.6b
¶610546410
IDC Error ellipse: s-maj=58.1km s-min=25.1km az=138.0.
IDC III 17 20 28 46.3–4.1 6.93S 155.18E 0 3.7,3.7b
¶610546411
IDC Error ellipse: s-maj=125.1km s-min=41.3km az=122.0.
IDC III 17 20 34 27.4–4.7 7.00S 155.21E 0 3.7,3.7b
¶610546413
IDC Error ellipse: s-maj=137.1km s-min=38.2km az=119.0.
ISC III 17 20 40 02.9–.50 7.70S–.07 156.40E–.05 10 4.3b 38 4-155
NEIC III 17 20 40 05.2–1.7 7.70S–.10 156.36E–.05 28–6 4.5b **¶610546414**
IDC III 17 20 40 13.3–1.8 7.63S 156.16E 100–19 4.0,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.7km s-min=4.7km az=204.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=22.3km s-min=13.4km az=1.0.
ISC III 17 21 04 39.9–.45 7.67S–.07 156.27E–.05 10 4.4b 45 4-154
INMG III 17 21 04 40.0 7.53S 156.22E 10 4.6b **¶610546415**
NEIC III 17 21 04 40.5–2.1 7.53S–.07 156.22E–.04 10–1 4.6b
IDC III 17 21 04 48.5–2.4 7.55S 156.14E 79–21 4.3,4.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=4.9km az=335.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=21.4km s-min=19.5km az=136.0.
IDC III 17 21 49 22.6–4.1 7.00S 155.18E 0 3.5,3.5b
¶610546416
IDC Error ellipse: s-maj=118.2km s-min=37.0km az=119.0.
ISC III 18 00 57 53.0–.31 8.00S–.05 160.97E–.06 35 4.9b,4.1s 379 2-159
IDC III 18 00 57 47.3–.52 7.94S 160.95E 0 4.5,4.5b **¶610344631**
MOS III 18 00 57 47.8–.99 7.90S 160.82E 10 5.1b,4.5b
GCMT III 18 00 57 48.8–.40 7.92S–.04 160.89E–.05 17–1 4.8W,4.5b
NEIC III 18 00 57 49.8–1.6 7.98S–.08 160.94E–.09 10–1 5.0b,4.5b
BJI III 18 00 57 52.0–.00 7.87S 161.20E 53 5.1b,4.9s
ISC Event type se.
IDC Error ellipse: s-maj=17.6km s-min=12.0km az=111.0.
MOS Error ellipse: s-maj=9.4km s-min=7.4km az=76.3.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function. Moment Tensor Solution. s17,c17; s74,c86;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}2.00±.18 $M_{\theta\theta}$-1.47±.13; $M_{\phi\phi}$-0.53±.12; $M_{r\theta}$-0.60±.39;
$M_{\theta\phi}$0.57±.07; $M_{\phi r}$-0.79±.43; Best double couple: NP1:ϕ_s275.00000°,δ52.00000°,λ64.00000°.
NP2:ϕ_s133.00000°,δ45.00000°,λ119.00000°. Principal axes: T 2.3670,Plg70.0000°
,Azm123.0000°; N -0.6140,Plg20.0000°,Azm291.0000°; P -1.7520,Plg4.0000°,Azm23.0000°
$M_0$2.05900×10^{16}
NEIC Event type se. Error ellipse: s-maj=15.0km s-min=13.3km az=82.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC III 18 01 07 02.8–3.5 7.58S 160.13E 0 3.5s,3.5
¶610546424
IDC Error ellipse: s-maj=78.4km s-min=29.2km az=85.0.
ISC III 18 02 17 31.4–.30 7.98S–.04 160.95E–.05 35 5.0b,4.2s 528 2-159
IDC III 18 02 17 26.5–.50 7.90S 160.81E 0 4.7,4.7b **¶610344647**
NEIC III 18 02 17 27.8–1.6 7.96S–.06 160.95E–.08 10–1 5.1b,4.7b
GCMT III 18 02 17 27.8–.30 7.97S–.03 160.98E–.03 18–0 4.9W,4.7b
BJI III 18 02 17 29.5–.00 7.81S 160.95E 32 5.1b,4.8b
MOS III 18 02 17 30.9–.93 7.94S 160.77E 44 5.2b,4.8b
ISC Event type se.
IDC Error ellipse: s-maj=19.0km s-min=12.3km az=111.0.
NEIC Event type se. Error ellipse: s-maj=14.2km s-min=10.2km az=112.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function. Moment Tensor Solution. s33,c36; s95,c119;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}2.92±.15 $M_{\theta\theta}$-1.76±.10; $M_{\phi\phi}$-1.16±.10; $M_{r\theta}$-0.02±.27;
$M_{\theta\phi}$0.82±.07; $M_{\phi r}$0.69±.28; Best double couple: NP1:ϕ_s314.00000°,δ50.00000°,λ101.00000°.
NP2:ϕ_s117.00000°,δ41.00000°,λ77.00000°. Principal axes: T 3.0360,Plg80.0000°
,Azm278.0000°; N -0.6720,Plg8.0000°,Azm127.0000°; P -2.3640,Plg5.0000°,Azm36.0000°
$M_0$2.70000×10^{16}
MOS Error ellipse: s-maj=9.0km s-min=7.1km az=87.9.
ISC III 18 04 16 57.1–.67 8.5S–.10 159.1E–.10 100 3.8b 17 1-145
IDC III 18 04 16 56.9–.70 8.44S 159.06E 95–7 4.1,3.7b **¶610546428**
ISC Event type ke.
IDC Error ellipse: s-maj=16.9km s-min=11.7km az=44.0.
ISC III 18 08 08 16.7–.55 8.01S–.07 160.97E–.08 35 4.2b 45 2-159
IDC III 18 08 08 11.8–1.1 7.94S 160.87E 0 4.1,4.1b **¶610546436**
NEIC III 18 08 08 13.3–2.1 7.97S–.08 160.94E–.08 10–1 4.4b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 18 09 45 01.2–.48 8.09S–.06 161.00E–.08 10 4.5b,3.5s 76 2-159
IDC III 18 09 45 00.1–.84 8.10S 161.02E 0 4.3b,4.2 **¶610546441**
NEIC III 18 09 45 01.2–1.3 8.12S–.07 160.99E–.09 10–1 4.6b,4.2
NOU III 18 09 46 10.5 10.77S 158.19E 411 4.2b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=29.2km s-min=13.9km az=117.0.
NEIC Event type se. Error ellipse: s-maj=15.5km s-min=10.5km az=116.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Solomon Islands.
ISC III 18 15 22 54.8–.83 5.79S–.09 154.99E–.09 175 4.3b 40 3-84
NEIC III 18 15 22 56.4–1.6 5.9S–.20 154.9E–.10 176–12 4.4b **¶610546460**
IDC III 18 15 22 56.5–1.9 5.92S 154.80E 175–16 4.1,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=32.9km s-min=6.8km az=206.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=26.1km s-min=15.7km az=60.0.
ISC III 19 05 42 03.0–.63 11.05S–.08 162.47E–.09 46 4.3b,3.5s 44 3-91
NEIC III 19 05 42 02.8–1.5 11.0S–.10 162.44E–.05 35–2 4.4b,3.5s **¶610546493**
IDC III 19 05 42 05.1–2.7 11.05S 162.40E 68–22 4.2,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.5km s-min=5.2km az=157.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=23.4km s-min=14.0km az=77.0.
ISC III 19 06 22 14.9–2.0 11.0S–.20 162.7E–.20 46 3.6b 8 3-91
IDC III 19 06 22 16.9–3.5 11.00S 162.64E 72–25 4.0,3.5b **¶610546495**

ISC Event type ke.
IDC Error ellipse: s-maj=47.0km s-min=20.6km az=51.0.
ISC III 19 14 45 04.0–.59 10.47S–.08 161.36E–.10 61 4.2b 49 2-96
NEIC III 19 14 45 04.4–1.2 10.48S–.08 161.33E–.10 57–6 4.4b ¶610546516
IDC III 19 14 45 04.7–3.5 10.52S 161.32E 67–27 3.9,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.6km s-min=11.3km az=117.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=29.8km s-min=16.8km az=99.0.
IDC III 19 15 37 14.1–2.1 6.13S 154.41E 0 3.6L,3.2 ¶610546518
IDC Error ellipse: s-maj=50.1km s-min=31.6km az=119.0.
ISC III 19 15 43 18.8–.90 8.2S–.10 160.9E–.20 35 3.7b 20 2-159
IDC III 19 15 43 19.2–3.9 8.35S 161.16E 57–33 3.9,3.9L ¶616204861
ISC Event type ke.
IDC Error ellipse: s-maj=55.9km s-min=26.6km az=124.0.
ISC III 19 15 43 30.0–.42 8.18S–.03 160.81E–.03 33–1 5.9s,5.5b 1202 2-166
IDC III 19 15 43 23.0–.36 8.06S 160.95E 0 5.7s,5.0 ¶615092532
MOS III 19 15 43 25.5–1.1 8.14S 160.73E 19 5.8s,5.6b
NEIC III 19 15 43 25.7–1.9 8.14S–.07 160.75E–.08 8–3 6.0,5.9
NEIC III 19 15 43 25.4 8.05S 161.04E 16 6.0,5.9
NEIC III 19 15 43 25.4 8.15S 160.74E 16 6.0,5.9
NEIC III 19 15 43 26 8.13S 160.75E 10 6.0,5.9
BJI III 19 15 43 28.3–.00 8.24S 160.85E 40 5.9s,5.7
GCMT III 19 15 43 30.7–.10 8.02S 161.07E 12 6.0W,5.7
ISC Event type se.
IDC Error ellipse: s-maj=10.2km s-min=9.1km az=95.0.
MOS Error ellipse: s-maj=7.0km s-min=5.5km az=91.4.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=9.4km az=107.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}6.57 $M_{\theta\theta}$-4.37 $M_{\phi\phi}$-2.20 $M_{r\theta}$-5.61 $M_{\theta\phi}$3.40 $M_{\phi r}$4.15 NP1:ϕ_s125.85000°,δ21.95000°,λ89.46000°. NP2:ϕ_s306.43000°,δ68.05000° ,λ90.22000°. Principal axes: T 9.5444,Plg67.0000°,Azm217.0000°; N 0.2856,Plg0.0000° ,Azm126.0000°; P -9.8300,Plg23.0000°,Azm36.0000° $M_0$9.69000×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 5s0 Moment tensor: Scale 10^{18}Nm; M_{rr}1.24 $M_{\theta\theta}$-0.58 $M_{\phi\phi}$-0.65 $M_{r\theta}$-0.60 $M_{\theta\phi}$0.53 $M_{\phi r}$0.46 NP1:ϕ_s312.21000°,δ61.22000° ,λ85.71000°. NP2:ϕ_s141.05000°,δ29.07000°,λ97.75000°. Principal axes: T 1.4620,Plg73.0000°,Azm212.0000°; N -0.1001,Plg4.0000°,Azm314.0000° ; P -1.3619,Plg16.0000°,Azm45.0000° $M_0$1.41000×10^{18}
NEIC Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s164,c336; s170,c584; Duration: 2s3 Moment tensor: Scale 10^{18}Nm; M_{rr}0.99±.01 $M_{\theta\theta}$-0.47±.01; $M_{\phi\phi}$-0.51±.01; $M_{r\theta}$-0.29±.01; $M_{\theta\phi}$0.49±.00; $M_{\phi r}$0.35±.01; Best double couple: NP1:ϕ_s318.00000°,δ57.00000° ,λ92.00000°. NP2:ϕ_s134.00000°,δ33.00000°,λ87.00000°. Principal axes: T 1.0850,Plg78.0000°,Azm235.0000°; N -0.0050,Plg2.0000°,Azm137.0000° ; P -1.0800,Plg12.0000°,Azm47.0000° $M_0$1.08300×10^{18}
ISC III 19 15 48 21.3–.69 8.0S–.10 161.0E–.20 35 4.1b 20 2-95
IDC III 19 15 48 16.6–1.4 7.89S 160.92E 0 4.2b,4.1 ¶610546521
NEIC III 19 15 48 17.6–1.0 7.90S–.05 161.0E–.20 10–1 4.8b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC III 19 16 05 02.9–6.5 7.49S 160.08E 0 3.5,3.5b ¶610546522
IDC Error ellipse: s-maj=188.4km s-min=36.1km az=113.0.
ISC III 19 18 48 58.5–.61 7.99S–.07 160.97E–.08 10 4.0b 37 2-159
IDC III 19 18 48 57.2–1.2 7.98S 161.00E 0 4.3L,3.9 ¶610546531
NEIC III 19 18 48 58.5–1.3 8.0S–.10 161.06E–.09 10–1 4.4b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC III 19 21 01 01.3–2.4 7.85S 159.99E 0 4.2s,3.5 ¶610546539
IDC Error ellipse: s-maj=65.3km s-min=22.4km az=86.0.
ISC III 20 01 43 22.3–.40 8.15S–.06 161.03E–.07 35 4.6b,3.8s 119 2-159
IDC III 20 01 43 17.9–.50 8.14S 161.00E 0 4.4,4.4b ¶610346347
NEIC III 20 01 43 17.9–1.6 8.21S–.09 161.3E–.10 10–1 4.7b,4.4b
NOU III 20 01 44 14.7 10.17S 159.33E 382 4.2b,4.4b
ISC Event type se.
IDC Error ellipse: s-maj=17.7km s-min=12.4km az=125.0.
NEIC Event type se. Error ellipse: s-maj=18.0km s-min=14.6km az=101.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Solomon Islands.
ISC III 20 03 35 26.0–1.7 6.3S–.10 155.4E–.10 10 9 4-153
IDC III 20 03 35 23.8–3.1 6.13S 155.60E 0 4.1,4.0b ¶610543298
ISC Event type ke.
IDC Error ellipse: s-maj=53.0km s-min=40.0km az=58.0.
ISC III 20 04 24 31.2–.26 8.14S–.04 161.01E–.04 10 5.2b,4.4s 739 2-159
IDC III 20 04 24 29.7–.48 8.14S 161.04E 0 4.8,4.8b ¶610346345
GCMT III 20 04 24 31.6–.20 8.14S–.01 161.14E–.01 12 5.1W,4.8b
NEIC III 20 04 24 31.6–1.7 8.11S–.07 161.00E–.04 10–1 5.2b,4.8b
MOS III 20 04 24 32.7–.88 8.11S 160.91E 31 5.3b,4.8b
BJI III 20 04 24 37.0–.00 8.30S 160.90E 61 5.1b,4.8b
ISC Event type se.
IDC Error ellipse: s-maj=15.9km s-min=12.3km az=116.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s58,c72; s130,c179;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}4.20±.08 $M_{\theta\theta}$-1.99±.08; $M_{\phi\phi}$-2.22±.09; $M_{r\theta}$0.08±.26; $M_{\theta\phi}$1.98±.07; $M_{\phi r}$2.67±.28; Best double couple: NP1:ϕ_s337.00000°,δ61.00000°,λ110.00000°. NP2:ϕ_s120.00000°,δ35.00000°,λ59.00000°. Principal axes: T 5.2470,Plg68.0000° ,Azm287.0000°; N -0.7180,Plg17.0000°,Azm147.0000°; P -4.5380,Plg13.0000° ,Azm52.0000° $M_0$4.89200×10^{16}
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=5.4km az=160.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=7.4km s-min=6.0km az=78.9.
ISC III 20 05 58 21.4–.87 5.92S–.09 155.0E–.10 150 3.6b 16 3-153
IDC III 20 05 58 22.9–2.3 5.89S 154.85E 160–18 3.9,3.4b ¶610543303
ISC Event type se.
IDC Error ellipse: s-maj=24.3km s-min=14.7km az=85.0.
IDC III 21 23 27 35.1–5.3 6.54S 154.41E 0 3.7,3.7b ¶610543431
IDC Error ellipse: s-maj=186.0km s-min=39.2km az=106.0.
IDC III 22 01 14 28.1–5.2 8.40S 159.31E 66–60 3.5,3.2b ¶610543435
IDC Error ellipse: s-maj=62.0km s-min=37.5km az=147.0.
ISC III 22 04 52 10.1–.63 8.09S–.08 161.0E–.10 35 4.2b,3.2s 28 2-159
IDC III 22 04 52 04.8–.92 8.04S 161.01E 0 4.0,4.0b ¶610543447
NEIC III 22 04 52 06.2–.94 7.91S–.09 161.1E–.10 10–1 4.6b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 22 15 16 54.0–1.4 11.6S–.10 162.5E–.20 39 3.5b 13 3-92
NOU III 22 15 16 50.7 11.43S 162.63E 0 4.8b ¶610543474
IDC III 22 15 16 56.0–3.2 11.65S 162.19E 52–24 3.8,3.8L
ISC Event type ke.
NOU Solomon Islands.
IDC Error ellipse: s-maj=42.0km s-min=18.0km az=63.0.
IDC III 22 17 52 36.6–7.2 6.29S 154.34E 135–40 3.7,3.2b ¶610543478
IDC Error ellipse: s-maj=81.8km s-min=22.3km az=92.0.
ISC III 22 21 20 21.5–.99 10.4S–.10 161.4E–.10 61 3.6b 11 2-90
IDC III 22 21 20 22.6–2.7 10.37S 161.36E 70–21 3.8,3.3s ¶610543492
ISC Event type ke.
IDC Error ellipse: s-maj=30.1km s-min=17.5km az=65.0.
ISC III 23 10 19 41.8–1.2 7.5S–.20 155.6E–.20 150 3.6b 8 5-97
IDC III 23 10 19 44.8–15 7.40S 155.36E 172–153 3.6,3.2b ¶610543529
ISC Event type ke.
IDC Error ellipse: s-maj=62.6km s-min=38.2km az=132.0.
IDC III 23 12 07 40.6–4.2 6.11S 154.21E 0 3.4,3.4b ¶610543535
IDC Error ellipse: s-maj=140.5km s-min=34.1km az=111.0.
ISC III 23 12 52 33.1–1.1 11.4S–.10 162.7E–.10 39 3.7b,3.4s 9 3-97
IDC III 23 12 52 27.5–1.5 11.28S 162.70E 0 3.9,3.7b ¶610543537
ISC Event type ke.
IDC Error ellipse: s-maj=30.7km s-min=26.9km az=97.0.
ISC III 23 13 35 39.6–.50 10.23S–.07 161.06E–.08 67 4.5b 55 1-99
NEIC III 23 13 35 39.0–1.8 10.10S–.10 161.06E–.08 59–8 4.6b ¶610543539
IDC III 23 13 35 39.1–2.6 10.12S 161.12E 54–21 4.4L,4.2
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.0km s-min=7.3km az=215.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=24.8km s-min=16.6km az=63.0.
ISC III 23 14 39 40.4–1.5 10.9S–.20 162.7E–.20 46 3.5b 16 3-91
NOU III 23 14 39 36.7 10.66S 162.77E 0 4.8b ¶610543544
IDC III 23 14 39 44.1–3.3 11.02S 162.47E 89–23 4.0,3.5b
ISC Event type ke.
NOU Solomon Islands.
IDC Error ellipse: s-maj=48.6km s-min=20.8km az=52.0.
ISC III 23 14 45 58.8–1.2 11.5S–.10 162.6E–.20 39 3.5b,3.3s 8 3-92
IDC III 23 14 45 53.5–1.6 11.38S 162.47E 0 3.7,3.7b ¶610543545
ISC Event type ke.
IDC Error ellipse: s-maj=36.0km s-min=31.2km az=99.0.
ISC III 23 16 57 49.6–.55 7.32S–.08 155.44E–.07 29 4.0b 29 5-154
NEIC III 23 16 57 52.2–1.7 7.3S–.10 155.5E–.10 64–20 4.2b ¶610543556
IDC III 23 16 57 52.6–1.7 7.25S 155.47E 57–16 4.0,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=24.5km s-min=9.7km az=217.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=17.4km s-min=11.4km az=30.0.
ISC III 23 17 00 33.9–.33 7.27S–.05 155.45E–.05 35 4.8b,3.8s 160 4-154
NEIC III 23 17 00 34.8–1.8 7.3S–.10 155.52E–.08 42–8 4.8b,3.8s ¶610431632
IDC III 23 17 00 34.8–1.5 7.28S 155.54E 46–14 4.3,4.0b
GCMT III 23 17 00 34.8–.20 7.41S–.01 155.43E–.02 20–0 5.0W,4.0b
DJA III 23 17 00 41.6–.60 7S–4.0 155E–5.0 116–6 5.1b,4.8
BJI III 23 17 00 41.0–.00 7.40S 155.40E 115 4.9b,4.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.0km s-min=10.0km az=205.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=14.4km s-min=10.1km az=44.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s33,c39; s91,c134;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.04±.17 $M_{\theta\theta}$-2.60±.10; $M_{\phi\phi}$-0.44±.10; $M_{r\theta}$0.70±.16; $M_{\theta\phi}$1.31±.07; $M_{\phi r}$-0.77±.23; Best double couple: NP1:ϕ_s122.00000°,δ54.00000°,λ99.00000°. NP2:ϕ_s288.00000°,δ37.00000°,λ78.00000°. Principal axes: T 3.2350,Plg79.0000° ,Azm66.0000°; N 0.1240,Plg7.0000°,Azm297.0000°; P -3.3640,Plg9.0000°,Azm206.0000° $M_0$3.30000×10^{16}
IDC III 23 19 12 46.4–2.4 5.98S 154.76E 169–22 3.7,3.2s ¶610543564
IDC Error ellipse: s-maj=36.8km s-min=23.2km az=45.0.
IDC III 24 10 56 44.3–4.0 7.48S 154.88E 0 3.5,3.5b ¶610543591
IDC Error ellipse: s-maj=113.7km s-min=41.5km az=103.0.
ISC III 24 15 38 40.0–.55 9.40S–.10 159.21E–.07 35 4.2b,3.5s 34 1-99
IDC III 24 15 38 34.9–.62 9.39S 159.23E 0 4.0,4.0b ¶610543607
NEIC III 24 15 38 40.6–2.4 9.4S–.20 159.4E–.10 51–10 4.2b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC III 24 17 03 40.6–1.9 5.85S 154.39E 0 3.8s,3.6 ¶610543608
IDC Error ellipse: s-maj=36.7km s-min=30.4km az=109.0.
ISC III 25 08 43 03.3–.72 5.77S–.04 154.82E–.05 223–6 4.7b 464 3-153
DJA III 25 08 43 03.5–.60 5S–5.0 155E–6.0 255–4 5.1b,4.8b ¶610434905
BJI III 25 08 43 04.6–.00 5.68S 154.84E 249 4.7b,4.6b
IDC III 25 08 43 04.4–.79 5.75S 154.74E 232–6 4.8,4.3b
NEIC III 25 08 43 06.5–1.4 5.74S–.08 154.71E–.08 248–7 4.7b,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 25 08 59 26.6–.50 7.35S–.07 155.38E–.06 100 4.1b 46 4-147
IDC III 25 08 59 24.5–1.8 7.27S 155.36E 83–17 4.2,3.7b ¶610543636
NEIC III 25 08 59 25.8–2.1 7.23S–.09 155.52E–.09 77–8 4.2b,3.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 26 08 33 59.4–.99 6.0S–.20 154.6E–.20 200 3.4b 10 3-83
IDC III 26 08 33 57.3–2.2 5.93S 154.77E 171–17 3.7,3.2b ¶610543710
ISC Event type ke.
IDC Error ellipse: s-maj=26.1km s-min=17.1km az=73.0.
ISC III 27 02 42 03.0–.29 11.60S–.05 161.81E–.06 39 4.9b,3.9s 450 3-161
NEIC III 27 02 41 58.6–1.1 11.57S–.07 161.9E–.10 10–1 5.1b,3.9s ¶610471027
BJI III 27 02 41 59.3–.00 11.00S 161.93E 10 5.1b,4.8b
GCMT III 27 02 42 01.6–.30 11.70S–.02 161.92E–.03 20–0 5.0W,4.8b
MOS III 27 02 42 01.7–1.1 11.39S 161.64E 33 5.1b,4.8b
IDC III 27 02 42 05.3–2.4 11.53S 161.70E 54–21 4.6,4.5L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.5km s-min=10.8km az=66.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s36,c37; s93,c116;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.21±.18 $M_{\theta\theta}$2.95±.13; $M_{\phi\phi}$0.26±.11; $M_{r\theta}$-1.10±.22; $M_{\theta\phi}$-1.22±.09; $M_{\phi r}$-1.02±.25; Best double couple: NP1:ϕ_s91.00000°,δ54.00000°,λ-115.00000°. NP2:ϕ_s310.00000°,δ43.00000°,λ-59.00000°. Principal axes: T 3.4910,Plg6.0000° ,Azm199.0000°; N 0.2890,Plg20.0000°,Azm107.0000°; P -3.7790,Plg69.0000° ,Azm305.0000° $M_0$3.63500×10^{16}
MOS Error ellipse: s-maj=9.9km s-min=8.2km az=100.7.
IDC Error ellipse: s-maj=16.9km s-min=12.2km az=84.0.
ISC III 27 09 42 02.5–.47 6.17S–.06 154.41E–.06 61 4.2b 47 3-152
IDC III 27 09 42 02.8–1.4 6.24S 154.36E 67–12 4.0,3.7b ¶610543788
NEIC III 27 09 42 02.1–2.4 6.14S–.06 154.50E–.08 54–8 4.5b,3.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 27 14 16 30.4–.46 10.40S–.06 161.50E–.07 61 4.4b 90 2-96
IDC III 27 14 16 31.4–2.5 10.43S 161.42E 73–18 4.2,3.9b ¶610543798
NEIC III 27 14 16 31.6–1.5 10.37S–.09 161.4E–.10 67–2 4.5b,3.9b
NOU III 27 14 16 31.6 10.42S 161.50E 51 4.4b,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=22.2km s-min=15.8km az=85.0.
NEIC Event type se. Error ellipse: s-maj=16.6km s-min=11.6km az=57.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Solomon Islands.
IDC III 27 22 48 51.1–1.2 9.43S 158.45E 0 4.1s,3.6 ¶610543819
IDC Error ellipse: s-maj=41.2km s-min=19.9km az=173.0.
ISC III 28 03 18 05.8–1.4 10.7S–.20 161.3E–.20 10 3.5b 7 2-90
IDC III 28 03 18 04.0–1.7 10.74S 161.32E 0 3.5,3.5b ¶610543826
ISC Event type ke.
IDC Error ellipse: s-maj=36.3km s-min=31.0km az=109.0.
ISC III 28 16 34 02.9–.80 5.67S–.08 154.42E–.09 118 3.9b 29 3-82
IDC III 28 16 34 01.4–2.6 5.71S 154.48E 98–22 3.9,3.8s ¶610543860

NEIC III 28 16 34 01.1–.86 5.71S–.09 154.5E–.10 97–16 4.4b,3.8s
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC III 29 02 27 40.5–3.5 7.36S 156.76E 0 4.0,4.0b ¶610543889

IDC Error ellipse: s-maj=96.7km s-min=36.4km az=111.0.
ISC III 29 02 37 40.1–1.7 7.2S–.30 156.4E–.40 35 4.1b 9 25-154
IDC III 29 02 37 34.1–1.6 7.20S 156.57E 0 4.1,4.1b ¶610543890
ISC Event type ke.
IDC Error ellipse: s-maj=48.2km s-min=30.7km az=113.0.
IDC III 29 02 38 22.8–3.5 7.27S 156.73E 0 4.2,4.2b ¶610543893

IDC Error ellipse: s-maj=96.9km s-min=38.2km az=110.0.
IDC III 29 04 53 37.1–5.7 7.03S 156.13E 0 4.0,4.0b ¶610543898

IDC Error ellipse: s-maj=147.6km s-min=47.7km az=109.0.
ISC III 29 05 40 15.4–.63 10.79S–.05 161.35E–.08 42–5 4.8b 236 2-160
IDC III 29 05 40 09.0–.66 10.72S 161.34E 0 4.6b,4.5 ¶610543902
NEIC III 29 05 40 14.2–2.1 10.73S–.09 161.4E–.10 33–6 4.9b,4.5
NOU III 29 05 40 14.2 10.53S 161.57E 54 4.9b,4.5
ISC Event type se.
IDC Error ellipse: s-maj=20.7km s-min=14.7km az=92.0.
NEIC Event type se. Error ellipse: s-maj=18.9km s-min=10.1km az=56.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Solomon Islands.
ISC III 30 10 03 09.0–.50 10.96S–.06 162.37E–.07 46 4.7b,3.9s 72 3-133
NOU III 30 10 03 05.8 10.91S 162.31E 0 5.2b,3.9s ¶610543984
IDC III 30 10 03 09.6–2.1 11.03S 162.22E 51–17 4.4L,4.2
NEIC III 30 10 03 11.9–2.2 10.97S–.09 162.2E–.10 67–9 4.7b,4.2
ISC Event type se.
NOU Solomon Islands.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC III 31 14 53 22.0–3.1 5.62S 154.83E 0 3.3,3.2b ¶610544056

IDC Error ellipse: s-maj=56.2km s-min=36.7km az=71.0.
ISC IV 01 11 40 43.9–1.0 10.2S–.10 161.4E–.10 10 3.6b 10 2-90
IDC IV 01 11 40 42.1–1.4 10.23S 161.50E 0 3.7,3.7b ¶610651698
ISC Event type ke.
IDC Error ellipse: s-maj=28.5km s-min=25.1km az=80.0.
ISC IV 01 16 24 34.3–1.5 10.4S–.20 161.6E–.20 100 3.4b 7 2-90
IDC IV 01 16 24 33.0–3.2 10.34S 161.66E 85–22 3.6,3.3b ¶610651715
ISC Event type ke.
IDC Error ellipse: s-maj=40.1km s-min=22.1km az=57.0.
IDC IV 02 09 18 41.9–2.4 7.51S 155.68E 0 3.6,3.6b ¶610651750

IDC Error ellipse: s-maj=149.8km s-min=29.2km az=133.0.
ISC IV 02 16 58 36.8–.88 10.33S–.09 161.5E–.10 61 3.9b 38 2-90
NOU IV 02 16 58 37.0 10.20S 161.64E 32 4.6b ¶610651768
NEIC IV 02 16 58 38.2–1.0 10.3S–.10 161.4E–.10 67–10 4.2b
IDC IV 02 16 58 39.3–3.0 10.39S 161.32E 77–21 3.9,3.4s
ISC Event type se.
NOU Solomon Islands.
NEIC Event type se. Error ellipse: s-maj=21.2km s-min=13.6km az=46.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=35.5km s-min=19.4km az=67.0.
ISC IV 03 05 42 58.7–.59 10.69S–.07 161.62E–.08 61 4.1b 38 2-97
NEIC IV 03 05 42 59.0–1.3 10.72S–.10 161.56E–.06 50–8 4.2b ¶610651801
IDC IV 03 05 42 59.3–2.3 10.65S 161.59E 67–19 4.1,3.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.9km s-min=7.6km az=197.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=20.9km s-min=14.2km az=77.0.
ISC IV 03 10 39 04.2–1.6 10.3S–.10 160.2E–.30 35 3.7b 7 1-90
IDC IV 03 10 38 58.2–1.9 10.42S 160.35E 0 3.7,3.7b ¶610651834
ISC Event type ke.
IDC Error ellipse: s-maj=49.3km s-min=22.3km az=115.0.
ISC IV 03 16 35 51.6–1.0 8.5S–.20 156.6E–.10 10 3.7b,3.2s 7 3-86
IDC IV 03 16 35 52.1–1.3 8.23S 156.17E 0 4.8L,3.7 ¶610651850
ISC Event type ke.
IDC Error ellipse: s-maj=33.5km s-min=26.3km az=178.0.
IDC IV 03 17 25 20.8–6.2 6.98S 155.90E 0 3.3,3.3b ¶610651853

IDC Error ellipse: s-maj=179.6km s-min=46.3km az=111.0.
ISC IV 03 17 31 13.6–.88 7.2S–.20 156.2E–.10 35 4.0b 10 4-85
IDC IV 03 17 31 08.1–1.1 7.19S 156.26E 0 4.7L,4.1 ¶610651854
ISC Event type ke.
IDC Error ellipse: s-maj=30.0km s-min=26.0km az=54.0.
IDC IV 03 17 38 23.1–1.8 7.10S 156.12E 0 4.6L,3.8 ¶610651855

IDC Error ellipse: s-maj=43.2km s-min=29.4km az=17.0.
ISC IV 03 23 27 51.0–.73 10.36S–.10 161.7E–.10 61 4.2b 29 2-148
IDC IV 03 23 27 51.6–2.9 10.39S 161.57E 67–22 4.0s,4.0 ¶610651881
NEIC IV 03 23 27 52.3–1.1 10.37S–.09 161.6E–.10 68–8 4.4b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 04 13 22 35.2–.39 6.26S–.04 154.84E–.05 144–3 4.9b 454 3-153
BJI IV 04 13 22 32.3–.00 5.92S 155.26E 134 5.1b,4.7b ¶610482614
IDC IV 04 13 22 35.4–.57 6.23S 154.85E 144–4 4.8,4.4b
DJA IV 04 13 22 36.2–.60 6S–4.0 155E–5.0 160–5 5.1b,5.0
NEIC IV 04 13 22 36.1–1.4 6.24S–.08 154.86E–.08 148–6 4.9b,5.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 05 15 58 10.4–.58 10.26S–.07 161.47E–.09 83 4.0b 47 2-90
IDC IV 05 15 58 10.4–1.2 10.16S 161.29E 74–7 3.9,3.5s ¶610652021
NEIC IV 05 15 58 11.1–1.2 10.2S–.10 161.5E–.10 83–9 4.4b,3.5s
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 06 02 30 37.9–.92 7.3S–.10 155.5E–.10 100 3.6b 13 5-154
IDC IV 06 02 30 40.7–4.4 7.16S 155.38E 118–35 4.0,3.6b ¶610652044
ISC Event type ke.
IDC Error ellipse: s-maj=37.3km s-min=19.5km az=111.0.
ISC IV 06 19 34 00.8–.82 10.20S–.10 160.9E–.10 50 4.1b 27 1-90
NEIC IV 06 19 34 00.4–2.1 10.1S–.10 160.9E–.10 43–9 4.4b ¶610652101
IDC IV 06 19 34 02.7–5.8 10.25S 160.96E 67–53 3.9,3.8L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.9km s-min=12.3km az=50.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=33.0km s-min=31.2km az=152.0.
IDC IV 08 16 37 18.2–3.2 4.95S 154.17E 0 4.3L,3.7 ¶610652242

IDC Error ellipse: s-maj=59.3km s-min=45.4km az=69.0.
IDC IV 08 17 48 48.4–2.9 9.96S 162.21E 121–24 3.7,3.2b ¶610652246

IDC Error ellipse: s-maj=34.0km s-min=32.3km az=111.0.
ISC IV 08 22 29 09.8–.42 8.34S–.08 156.39E–.07 21 4.6b,3.7s 80 4-147
IDC IV 08 22 29 06.7–.63 8.27S 156.35E 0 4.3,4.3b ¶610972403
NEIC IV 08 22 29 08.2–.84 8.3S–.10 156.53E–.05 10–1 4.7b,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IV 08 22 32 37.8–6.4 8.14S 156.02E 0 3.8,3.8b ¶610652262

IDC Error ellipse: s-maj=181.9km s-min=42.8km az=119.0.
ISC IV 09 07 01 55.6–.57 10.33S–.07 161.58E–.08 61 4.0b 43 2-96
IDC IV 09 07 01 56.5–2.5 10.32S 161.50E 77–20 4.1,3.6b ¶610652284
NEIC IV 09 07 01 57.3–.76 10.4S–.10 161.44E–.06 54–7 4.3b,3.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IV 11 09 56 36.3–3.3 6.42S 154.62E 0 3.7L,3.6 ¶610652448

IDC Error ellipse: s-maj=68.4km s-min=42.0km az=93.0.
ISC IV 12 12 17 14.5–.49 10.44S–.06 161.17E–.07 62 4.1b 57 2-100
NOU IV 12 12 17 11.3 10.42S 161.24E 0 5.3b ¶610652554
NEIC IV 12 12 17 12.4–1.4 10.5S–.10 161.27E–.09 35–1 4.4b
IDC IV 12 12 17 15.7–2.8 10.35S 161.09E 68–22 4.0,3.7b
ISC Event type se.
NOU Solomon Islands.
NEIC Event type se. Error ellipse: s-maj=21.8km s-min=7.1km az=220.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=27.0km s-min=14.5km az=102.0.
IDC IV 12 12 59 58.0–3.5 7.74S 160.18E 0 3.7,3.7b ¶610652558

IDC Error ellipse: s-maj=76.1km s-min=27.6km az=85.0.
ISC IV 12 20 17 09.5–2.0 6.8S–.20 154.8E–.30 41 3.5b 7 4-153
IDC IV 12 20 17 03.2–2.1 6.78S 154.85E 0 3.7L,3.5 ¶610652578
ISC Event type ke.
IDC Error ellipse: s-maj=49.3km s-min=30.6km az=88.0.
ISC IV 13 09 11 20.9–.63 7.5S–.10 155.49E–.07 100 3.9b 18 5-154
IDC IV 13 09 11 20.7–2.1 7.53S 155.55E 101–19 4.1,3.7b ¶610652622
ISC Event type ke.
IDC Error ellipse: s-maj=19.2km s-min=16.1km az=178.0.
ISC IV 13 20 01 54.2–1.3 10.2S–.20 159.2E–.20 35 3.5b 11 1-92
IDC IV 13 20 01 55.6–1.9 10.33S 159.53E 62–17 3.6,3.3b ¶610652655
ISC Event type ke.
IDC Error ellipse: s-maj=62.4km s-min=19.8km az=118.0.
IDC IV 13 20 07 31.9–2.4 10.68S 159.97E 0 3.6s,3.4 ¶610652657

IDC Error ellipse: s-maj=60.3km s-min=20.6km az=113.0.
IDC IV 14 08 56 26.3–2.8 5.51S 154.16E 0 3.3,3.3L ¶610652699

IDC Error ellipse: s-maj=51.4km s-min=34.0km az=63.0.
ISC IV 15 11 14 55.8–1.4 10.6S–.20 161.7E–.20 61 3.3b 7 2-90
IDC IV 15 11 14 54.5–6.9 10.59S 161.72E 50–53 4.7L,3.6 ¶610652792
ISC Event type ke.
IDC Error ellipse: s-maj=45.9km s-min=28.9km az=109.0.
IDC IV 15 13 36 54.0–4.4 11.59S 161.98E 0 4.9L,3.9 ¶610652799

IDC Error ellipse: s-maj=91.6km s-min=38.7km az=102.0.
ISC IV 15 15 09 54.6–.47 11.11S–.06 162.67E–.07 46 4.5b,4.0s 132 3-149
GCMT IV 15 15 09 53.2–.30 11.06S–.02 162.53E–.02 25–1 4.9W,4.0s ¶610528557
NEIC IV 15 15 09 54.2–1.6 11.10S–.09 162.6E–.10 42–8 4.6b,4.0s
IDC IV 15 15 09 56.7–4.0 11.07S 162.55E 60–31 4.3,4.3L
NOU IV 15 15 09 57.4 11.42S 162.44E 7 4.7b,4.3L
ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s18,c21; s69,c94;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.02±.15 $M_{\theta\theta}$-0.25±.10; $M_{\phi\phi}$-0.76±.10; $M_{r\theta}$-0.88±.20; $M_{\theta\phi}$1.68±.07; $M_{\phi r}$-1.68±.23; Best double couple: NP1:ϕ_s178.00000°,δ72.00000°,λ135.00000°. NP2:ϕ_s285.00000°,δ47.00000°,λ25.00000°. Principal axes: T 2.9160,Plg44.0000° ,Azm132.0000°; N -0.5130,Plg42.0000°,Azm341.0000°; P -2.4010,Plg15.0000° ,Azm237.0000° $M_0$2.65800×10^{16}
NEIC Event type se. Error ellipse: s-maj=17.0km s-min=12.9km az=73.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=28.2km s-min=15.1km az=101.0.
NOU Solomon Islands.
IDC IV 15 15 25 16.5–2.5 11.46S 161.96E 0 3.7s,3.6 ¶610652800

IDC Error ellipse: s-maj=53.8km s-min=27.2km az=68.0.
IDC IV 15 15 25 44.8–2.6 11.10S 162.28E 0 3.7,3.5b ¶610652803

IDC Error ellipse: s-maj=58.4km s-min=40.4km az=80.0.
ISC IV 15 23 53 18.9–.35 10.06S–.05 160.95E–.06 50 4.8b,3.9s 318 1-148
IDC IV 15 23 53 19.4–1.8 10.03S 160.92E 53–14 4.4,4.1b ¶610528517
NEIC IV 15 23 53 19.4–1.1 10.04S–.05 160.92E–.04 47–7 4.8b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 16 22 41 06.8–.43 5.95S–.06 154.73E–.07 200 4.4b 92 3-152
IDC IV 16 22 41 07.9–1.7 5.98S 154.73E 211–16 4.5,4.0b ¶610652892
NEIC IV 16 22 41 07.9–1.0 5.97S–.07 154.71E–.10 203–8 4.5b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IV 17 03 50 15.6–2.2 6.75S 154.33E 0 3.7,3.7b ¶610652907

IDC Error ellipse: s-maj=93.9km s-min=29.8km az=125.0.
ISC IV 17 17 54 21.9–.87 9.2S–.20 158.61E–.08 29 3.8b 9 1-87
IDC IV 17 17 54 17.5–.93 9.20S 158.58E 0 3.9,3.9b ¶610652934
ISC Event type ke.
IDC Error ellipse: s-maj=26.4km s-min=17.3km az=170.0.
ISC IV 17 18 31 09.0–.51 9.13S–.09 158.61E–.09 29 4.3b,3.5s 46 1-146
IDC IV 17 18 31 05.6–.64 9.10S 158.57E 0 4.1b,4.0 ¶610652940
NEIC IV 17 18 31 08.2–1.8 9.08S–.06 158.62E–.07 22–6 4.5b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 20 19 07 12.8–.51 7.64S–.07 154.98E–.06 31 4.5b,3.1s 191 4-153
IDC IV 20 19 07 07.8–.75 7.66S 154.99E 0 4.2,4.1b ¶610653129
NEIC IV 20 19 07 14.4–1.8 7.55S–.08 154.88E–.05 41–9 4.6b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IV 21 04 52 04.4–1.3 9.17S 157.44E 0 5.3L,4.1 ¶610653144

IDC Error ellipse: s-maj=38.1km s-min=27.1km az=156.0.
ISC IV 22 02 00 49.0–.60 6.04S–.09 154.77E–.09 200 4.2b 34 3-153
NEIC IV 22 02 00 46.1–1.1 6.1S–.20 154.92E–.08 165–11 4.4b ¶610653233
IDC IV 22 02 00 47.1–1.6 6.04S 154.84E 180–13 4.3,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=23.9km s-min=7.0km az=204.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=15.3km s-min=12.8km az=93.0.
ISC IV 23 09 27 46.3–.54 10.60S–.07 161.45E–.09 61 4.2b 53 2-98
IDC IV 23 09 27 46.2–2.5 10.61S 161.43E 60–20 4.1,3.8b ¶610649807
NEIC IV 23 09 27 46.4–1.3 10.58S–.09 161.4E–.10 54–6 4.3b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 24 03 02 52.3–1.2 5.7S–.20 154.2E–.20 200 3.6b 9 3-152
IDC IV 24 03 02 50.3–4.2 5.79S 154.39E 182–31 3.8,3.3b ¶610649852
ISC Event type ke.
IDC Error ellipse: s-maj=50.3km s-min=23.5km az=114.0.
ISC IV 24 11 47 12.9–.82 7.3S–.20 156.1E–.10 44 3.9b 12 4-154
IDC IV 24 11 47 06.7–.97 7.29S 156.11E 0 5.1L,4.0 ¶610649887
ISC Event type ke.
IDC Error ellipse: s-maj=30.5km s-min=23.5km az=55.0.
ISC IV 25 13 21 28.1–.42 10.24S–.06 161.50E–.07 85 4.4b 96 2-114
NEIC IV 25 13 21 28.4–1.4 10.19S–.02 161.48E–.09 80–7 4.4b ¶610649992
IDC IV 25 13 21 29.2–2.0 10.27S 161.38E 91–16 4.2,3.9b

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=2.8km az=90.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=23.5km s-min=15.2km az=76.0.
ISC IV 25 14 11 25.3–.54 5.85S–.08 154.86E–.09 150 4.0b 45 3-153
NEIC IV 25 14 11 27.3–1.2 5.85S–.10 154.8E–.10 169–4 4.2b **¶610649995**
IDC IV 25 14 11 27.4–2.0 5.90S 154.70E 170–16 3.9,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.6km s-min=12.9km az=62.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=21.2km s-min=14.9km az=84.0.
ISC IV 27 04 49 15.8–1.1 7.0S–.10 154.7E–.20 10 3.9b 8 4-153
IDC IV 27 04 49 14.1–1.4 6.99S 154.66E 0 3.9L,3.8 **¶610650102**
ISC Event type ke.
IDC Error ellipse: s-maj=47.5km s-min=27.4km az=130.0.
IDC IV 27 04 58 56.2–4.5 8.39S 158.14E 129–64 3.8,3.4b
¶610650104
IDC Error ellipse: s-maj=67.4km s-min=28.9km az=118.0.
ISC IV 27 09 31 18.2–.50 10.35S–.05 161.20E–.07 42–4 4.9b,3.9s 288 2-160
NOU IV 27 09 31 14.8 10.24S 161.26E 0 4.7b,3.9s **¶610566396**
NEIC IV 27 09 31 18.6–1.9 10.38S–.09 161.13E–.10 44–1 4.8b,3.9s
BJI IV 27 09 31 19.0–.00 10.40S 161.10E 37 5.1b,4.8b
IDC IV 27 09 31 19.7–2.2 10.39S 161.09E 59–17 4.5,4.2b
ISC Event type se.
NOU Solomon Islands.
NEIC Event type se. Error ellipse: s-maj=14.7km s-min=11.0km az=56.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=18.8km s-min=11.7km az=91.0.
ISC IV 27 10 06 12.4–.85 10.34S–.09 161.1E–.10 35 3.9b,3.7s 21 1-99
IDC IV 27 10 06 13.0–3.2 10.46S 161.05E 40–26 4.0,3.8b **¶610650122**
ISC Event type ke.
IDC Error ellipse: s-maj=26.5km s-min=14.0km az=73.0.
ISC IV 27 11 47 07.0–.60 10.27S–.07 161.56E–.09 61 4.3b 41 2-96
IDC IV 27 11 47 06.5–.92 10.32S 161.61E 64–7 4.2,3.9b **¶610650129**
NEIC IV 27 11 47 08.4–1.4 10.3S–.10 161.5E–.10 66–10 4.5b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 27 20 50 20.2–1.1 7.0S–.20 155.4E–.10 50 3.6b 10 4-153
IDC IV 27 20 50 13.8–1.6 6.79S 155.32E 0 3.9s,3.7 **¶610650165**
ISC Event type ke.
IDC Error ellipse: s-maj=56.6km s-min=26.2km az=128.0.
IDC IV 29 09 03 52.6–1.8 7.62S 154.94E 0 4.1L,3.6
¶610650295
IDC Error ellipse: s-maj=42.3km s-min=27.3km az=112.0.
ISC IV 29 13 35 46.4–.72 10.39S–.08 161.2E–.10 62 4.3b 29 2-132
IDC IV 29 13 35 45.4–2.9 10.31S 161.24E 57–24 4.0,3.8s **¶610650316**
NEIC IV 29 13 35 46.8–2.1 10.33S–.08 161.04E–.09 52–8 4.5b,3.8s
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IV 29 15 37 29.7–3.3 10.32S 160.87E 0 3.6b,3.5
¶610650327
IDC Error ellipse: s-maj=144.7km s-min=36.7km az=136.0.
ISC IV 29 22 33 32.5–.37 10.23S–.04 161.33E–.05 115–2 5.0b 617 2-160
IDC IV 29 22 33 31.9–.58 10.28S 161.39E 110–4 4.8,4.5b **¶610589453**
GCMT IV 29 22 33 31.4–.30 10.31S–.02 161.23E–.03 116–4 4.9W,4.5b
BJI IV 29 22 33 31.8–.00 9.91S 161.39E 113 5.0b,4.8b
MOS IV 29 22 33 31.3–.75 10.11S 161.19E 112 5.2b,4.8b
NEIC IV 29 22 33 33.4–1.5 10.17S–.08 161.30E–.09 112–5 5.1b,4.8b
NOU IV 29 22 33 33.0 10.03S 161.34E 125 4.8b,4.8b
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s11.02050°,δ44.89835°,λ-27.87245°. NP2: ϕ_s121.55753°,δ70.73190°,λ-131.37552°. Principal axes: T Plg15.5185°,Azm240.5749° ; N Plg38.6063°,Azm137.7653°; P Plg47.2417°,Azm348.0503°
IDC Error ellipse: s-maj=9.5km s-min=8.2km az=27.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s19,c20; s91,c113;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.55±.10 $M_{\theta\theta}$-0.70±.11; $M_{\phi\phi}$2.25±.10; $M_{r\theta}$-1.26±.07; $M_{\theta\phi}$-0.30±.12; $M_{\phi r}$-0.46±.08; Best double couple: NP1:ϕ_s25.00000°,δ60.00000°,λ-48.00000°. NP2:ϕ_s144.00000°,δ50.00000°,λ-139.00000°. Principal axes: T 2.3140,Plg6.0000° ,Azm87.0000°; N 0.2060,Plg36.0000°,Azm181.0000°; P -2.5170,Plg54.0000°,Azm349.0000° $M_0$2.41500×10^{16}
MOS Error ellipse: s-maj=8.9km s-min=7.5km az=82.9.
NEIC Event type se. Error ellipse: s-maj=13.5km s-min=9.9km az=51.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Solomon Islands.
ISC IV 30 03 24 37.8–1.1 6.1S–.20 155.0E–.10 150 3.5b 10 3-153
IDC IV 30 03 24 39.8–4.9 5.96S 154.82E 165–35 3.7,3.2b **¶610650378**
ISC Event type ke.
IDC Error ellipse: s-maj=50.4km s-min=20.1km az=109.0.
IDC IV 30 23 21 17.9–2.7 5.76S 154.75E 148–23 3.6,3.0b
¶610650456
IDC Error ellipse: s-maj=41.3km s-min=23.7km az=46.0.
IDC V 01 20 45 45.2–26 9.06S 158.08E 0 3.6,3.6b
¶610689339
IDC Error ellipse: s-maj=439.4km s-min=88.8km az=50.0.
ISC V 02 01 37 00.3–1.9 6.4S–.20 154.7E–.30 48 3.4b 7 3-153
IDC V 02 01 36 52.1–2.8 6.47S 155.04E 0 3.7,3.7b **¶610689355**
ISC Event type ke.
IDC Error ellipse: s-maj=65.7km s-min=36.9km az=98.0.
ISC V 02 04 38 48.1–.41 9.74S–.07 159.68E–.07 10 4.8b,3.4s 71 0-158
IDC V 02 04 38 46.5–.55 9.75S 159.52E 0 4.4,4.4b **¶610669462**
NEIC V 02 04 38 48.4–1.4 9.7S–.10 159.62E–.10 13–1 5.1b,4.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 02 05 21 59.4–.65 9.88S–.06 160.0E–.10 10 4.5b,3.4s 48 0-98
IDC V 02 05 21 58.2–.75 9.67S 159.80E 0 4.2,4.2b **¶610689367**
NEIC V 02 05 22 01.9–2.4 9.79S–.09 160.0E–.10 25–6 4.6b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 02 10 18 45.2–3.1 10.8S–.30 161.8E–.40 10 3.4b 5 2-68
IDC V 02 10 18 42.2–4.3 10.72S 161.95E 0 5.1L,3.8 **¶610689383**
ISC Event type ke.
IDC Error ellipse: s-maj=80.2km s-min=38.1km az=66.0.
ISC V 03 05 26 37.5–1.2 6.6S–.20 155.2E–.20 50 3.9b 8 4-153
IDC V 03 05 26 29.8–1.3 6.78S 155.38E 0 4.0,4.0b **¶610689436**
ISC Event type ke.
IDC Error ellipse: s-maj=43.8km s-min=26.2km az=130.0.
IDC V 03 05 30 38.9–6.7 6.64S 154.97E 0 3.7,3.7b
¶610689438
IDC Error ellipse: s-maj=147.4km s-min=48.0km az=99.0.
IDC V 03 05 31 19.3–5.7 6.68S 155.20E 0 4.3L,4.0
¶610689441
IDC Error ellipse: s-maj=111.1km s-min=37.6km az=85.0.
IDC V 03 08 45 02.2–4.9 8.35S 157.51E 0 5.7L,4.3
¶610689466
IDC Error ellipse: s-maj=109.1km s-min=24.1km az=5.0.
IDC V 03 10 40 05.0–2.3 6.23S 154.30E 0 3.9s,3.4
¶610689475
IDC Error ellipse: s-maj=49.1km s-min=30.2km az=82.0.
ISC V 04 21 56 20.7–1.2 7.1S–.10 154.5E–.20 35 3.9b 21 4-83
NEIC V 04 21 56 18.5–1.7 7.1S–.20 154.7E–.20 10–2 4.3b **¶610689567**
IDC V 04 21 56 24.1–2.6 6.04S 154.87E 159–23 3.8,3.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=36.2km s-min=17.1km az=48.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=37.6km s-min=23.4km az=45.0.
ISC V 05 08 38 17.9–.55 11.58S–.07 162.94E–.09 35 4.3b 51 4-162
NOU V 05 08 38 12.0 10.60S 163.42E 248 4.8b **¶610689596**
IDC V 05 08 38 13.2–.79 11.49S 162.90E 0 4.1,4.1b
NEIC V 05 08 38 14.3–2.4 11.44S–.10 163.0E–.10 10–1 4.6b,4.1b
ISC Event type se.
NOU Solomon Islands.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 07 03 05 04.6–1.8 5.8S–.20 154.4E–.20 200 3.8b 8 3-152
IDC V 07 03 05 05.3–5.2 5.76S 154.33E 203–33 4.0,3.4b **¶610689697**
ISC Event type se.
IDC Error ellipse: s-maj=68.5km s-min=23.5km az=100.0.
ISC V 07 10 31 21.0–.67 7.88S–.07 159.9E–.10 35 4.2b,3.5s 39 2-95
IDC V 07 10 31 20.8–.96 7.87S 159.83E 30–5 4.0,4.0L **¶610689716**
NEIC V 07 10 31 24.9–1.7 8.2S–.10 159.9E–.20 54–13 4.4b,4.0L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC V 08 09 27 10.8–1.9 10.10S 161.06E 0 3.7s,3.5
¶610689788
IDC Error ellipse: s-maj=33.1km s-min=29.0km az=29.0.
ISC V 09 06 56 56.6–.76 9.1S–.20 158.08E–.08 23 4.0b,3.6s 11 2-100
IDC V 09 06 56 53.0–.83 9.06S 158.07E 0 4.0,4.0b **¶610689883**
ISC Event type ke.
IDC Error ellipse: s-maj=27.6km s-min=18.1km az=165.0.
ISC V 11 08 34 27.6–1.3 7.0S–.10 154.6E–.20 39 3.5b 8 4-153
IDC V 11 08 34 21.9–1.6 6.93S 154.65E 0 3.7b,3.6 **¶610690029**
ISC Event type ke.
IDC Error ellipse: s-maj=41.0km s-min=26.5km az=98.0.
ISC V 12 05 38 56.8–.38 7.80S–.04 159.60E–.05 27–2 5.1b,4.4s 627 2-165
MOS V 12 05 38 57.5–1.2 7.76S 159.40E 38 5.3b,4.4s **¶615092638**
BJI V 12 05 38 58.3–.00 7.41S 159.64E 39 5.1b,4.9b
IDC V 12 05 38 59.4–2.0 7.86S 159.47E 42–17 4.9,4.9L
GCMT V 12 05 39 00.1–2.0 7.72S–.01 159.56E–.02 22–0 5.1W,4.9L
NEIC V 12 05 39 00.1–1.6 7.84S–.07 159.65E–.10 50–7 5.1b,4.9L
ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s78,c100; s96,c143;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}4.23±.15 $M_{\theta\theta}$-3.72±.10; $M_{\phi\phi}$-0.50±.10; $M_{r\theta}$-2.75±.16; $M_{\theta\phi}$0.94±.08; $M_{\phi r}$0.81±.19; Best double couple: NP1:ϕ_s286.00000°,δ62.00000°,λ91.00000°. NP2:ϕ_s105.00000°,δ28.00000°,λ89.00000°. Principal axes: T 5.1320,Plg73.0000° ,Azm197.0000°; N -0.2490,Plg1.0000°,Azm106.0000°; P -4.8780,Plg17.0000°,Azm15.0000° $M_0$5.00500×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 13 01 03 18.0–1.1 6.4S–.20 155.6E–.20 200 3.6b 11 4-153
IDC V 13 01 03 17.2–2.5 6.41S 155.64E 192–19 4.0,3.5b **¶610690157**
ISC Event type ke.
IDC Error ellipse: s-maj=27.6km s-min=15.8km az=75.0.
IDC V 13 11 14 34.7–3.4 8.50S 158.98E 95–46 3.9,3.6b
¶610690190
IDC Error ellipse: s-maj=56.0km s-min=32.7km az=119.0.
IDC V 14 06 34 03.5–23 7.89S 154.78E 0 3.6,3.6b
¶610690251
IDC Error ellipse: s-maj=386.4km s-min=104.1km az=30.0.
ISC V 14 14 18 16.7–1.5 11.7S–.20 163.1E–.20 35 3.7b,3.0s 7 4-92
IDC V 14 14 18 11.7–2.1 11.59S 163.06E 0 4.5L,4.1 **¶610690280**
ISC Event type ke.
IDC Error ellipse: s-maj=44.7km s-min=28.3km az=68.0.
ISC V 16 12 44 44.0–1.4 10.8S–.20 161.4E–.20 10 3.7b,3.2s 9 2-97
IDC V 16 12 44 43.5–1.9 10.74S 161.39E 0 3.9b,3.8 **¶610690417**
ISC Event type ke.
IDC Error ellipse: s-maj=45.0km s-min=23.6km az=65.0.
ISC V 16 13 05 17.4–1.3 10.9S–.10 161.5E–.20 28 4.1b,3.7s 16 2-94
NEIC V 16 13 05 11.5–.31 10.4S–.20 162.4E–.10 35–2 4.2b,3.7s **¶610690419**
IDC V 16 13 05 13.7–2.1 10.83S 161.61E 0 4.0,3.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=30.8km s-min=21.5km az=3.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=52.5km s-min=31.8km az=69.0.
IDC V 16 17 15 57.5–2.9 10.69S 161.53E 0 3.9,3.8b
¶610690437
IDC Error ellipse: s-maj=51.9km s-min=31.4km az=86.0.
ISC V 16 18 10 05.3–.44 10.37S–.05 161.53E–.07 61 4.6b 255 2-148
NEIC V 16 18 10 05.8–1.4 10.29S–.10 161.5E–.10 65–8 4.6b **¶610641710**
NOU V 16 18 10 05.5 10.15S 161.69E 83 4.6b
IDC V 16 18 10 07.2–2.4 10.36S 161.45E 79–18 4.3,3.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.3km s-min=10.6km az=49.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Solomon Islands.
IDC Error ellipse: s-maj=21.3km s-min=15.1km az=91.0.
ISC V 16 20 29 42.0–.59 10.46S–.07 161.47E–.09 100 4.2b 51 2-115
NEIC V 16 20 29 43.1–1.8 10.37S–.10 161.4E–.10 103–6 4.3b **¶610690441**
IDC V 16 20 29 43.6–2.2 10.36S 161.37E 110–16 3.9,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.0km s-min=11.0km az=54.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=24.0km s-min=17.9km az=99.0.
ISC V 17 10 15 14.1–.59 5.52S–.07 154.44E–.08 118 4.0b 43 3-95
IDC V 17 10 15 15.4–2.2 5.50S 154.34E 131–18 4.1,3.7b **¶610690483**
NEIC V 17 10 15 16.3–1.5 5.6S–.10 154.3E–.10 127–8 4.1b,3.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 17 10 23 45.1–1.7 10.2S–.20 161.3E–.20 100 3.8b 14 2-75
NOU V 17 10 23 40.8 10.02S 161.58E 0 4.6b **¶610690485**
IDC V 17 10 23 45.3–2.7 10.19S 161.21E 110–16 4.0,3.8s
ISC Event type ke.
NOU Solomon Islands.
IDC Error ellipse: s-maj=39.5km s-min=25.4km az=61.0.
ISC V 17 11 36 02.1–.80 10.91S–.09 162.1E–.10 36 4.0b,3.4s 30 3-86
NEIC V 17 11 36 03.0–1.1 10.9S–.10 162.0E–.20 37–11 4.0b,3.4s **¶610690490**
IDC V 17 11 36 03.8–3.0 10.88S 162.07E 53–26 4.0,3.8L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=28.5km s-min=12.0km az=55.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=27.5km s-min=16.8km az=64.0.
ISC V 19 00 11 10.0–3.1 7.0S–.20 154.5E–.40 35 3.9b 5 4-153
IDC V 19 00 11 03.7–1.8 7.12S 154.78E 0 4.3L,3.9 **¶610690629**
ISC Event type ke.
IDC Error ellipse: s-maj=54.2km s-min=28.1km az=115.0.
ISC V 19 11 17 16.8–.39 9.25S–.04 158.87E–.04 19–1 5.1b,4.5s 810 1-173
IDC V 19 11 17 13.4–.39 9.20S 158.87E 0 4.8b,4.7 **¶615092652**
BJI V 19 11 17 14.9–.00 8.95S 158.55E 5 5.1b,4.8b
MOS V 19 11 17 14.7–.97 9.13S 158.76E 14 5.3b,4.6s
NEIC V 19 11 17 16.0–1.7 9.16S–.08 158.91E–.02 10–1 5.2b,4.6s
GCMT V 19 11 17 18.0–.10 9.28S–.01 158.73E–.01 18–0 5.3W,4.6s
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s82,c107; s109,c175;Duration: 1.0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.59±.02 $M_{\theta\theta}$-0.18±.01; $M_{\phi\phi}$-0.40±.01; $M_{r\theta}$-0.00±.03;

$M_{\theta\phi}$0.33±.01; $M_{\phi r}$-0.76±.04; Best double couple: NP1:ϕ_s170.00000°,δ72.00000°,λ108.00000°. NP2:ϕ_s304.00000°,δ26.00000°,λ47.00000°. Principal axes: T 1.0210,Plg59.0000° ,Azm106.0000°; N -0.0870,Plg17.0000°,Azm344.0000°; P -0.9340,Plg25.0000° ,Azm246.0000° $M_0$0.97800$\times10^{17}$
ISC V 19 14 31 36.2–.29 9.35S–.05 158.86E–.05 27 4.9b,4.2s 384 1-157
BJI V 19 14 31 31.2–.00 9.38S 159.02E 10 5.1b,4.7s **¶610667702**
IDC V 19 14 31 32.1–.44 9.33S 158.80E 0 4.5,4.5b
GCMT V 19 14 31 34.8–.20 9.40S–.02 158.74E–.02 20–0 5.0W,4.5b
NEIC V 19 14 31 35.8–2.2 9.36S–.08 158.91E–.07 25–4 5.0b,4.5b
MOS V 19 14 31 35.3–1.1 9.33S 158.76E 32 5.1b,4.5b
ISC Event type se.
IDC Error ellipse: s-maj=14.5km s-min=9.5km az=7.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s45,c56; s97,c133;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.97±.16 $M_{\theta\theta}$-1.80±.11; $M_{\phi\phi}$-2.18±.10; $M_{r\theta}$0.66±.23; $M_{\theta\phi}$1.46±.06; $M_{\phi r}$-2.82±.21; Best double couple: NP1:ϕ_s154.00000°,δ64.00000°,λ102.00000°. NP2:ϕ_s309.00000°,δ29.00000°,λ67.00000°. Principal axes: T 5.0680,Plg69.0000° ,Azm88.0000°; N -0.7790,Plg11.0000°,Azm329.0000°; P -4.3000,Plg18.0000° ,Azm235.0000° $M_0$4.68400$\times10^{16}$
NEIC Event type se. Error ellipse: s-maj=13.1km s-min=7.7km az=137.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=9.3km s-min=8.7km az=113.9.
ISC V 19 14 45 60.0–.41 9.26S–.07 158.88E–.07 27 4.6b,3.8s 103 1-157
IDC V 19 14 45 55.7–.52 9.28S 158.76E 0 4.3,4.3b **¶610690674**
NEIC V 19 14 45 59.7–1.6 9.3S–.10 158.88E–.07 25–5 4.7b,4.3b
NOU V 19 14 46 39.7 10.56S 157.46E 292 4.4b,4.3b
ISC Event type se.
IDC Error ellipse: s-maj=15.7km s-min=10.6km az=5.0.
NEIC Event type se. Error ellipse: s-maj=17.2km s-min=9.0km az=201.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU South of Solomon Islands.
ISC V 19 16 23 25.3–.43 7.44S–.06 154.55E–.06 27 4.7b,3.2s 116 4-153
NEIC V 19 16 23 27.7–1.3 7.61S–.09 154.7E–.10 53–7 4.7b,3.2s **¶610690684**
IDC V 19 16 23 28.1–1.6 7.45S 154.54E 49–16 4.4,4.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.0km s-min=13.0km az=91.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=14.2km s-min=12.5km az=3.0.
ISC V 19 16 49 42.8–.37 9.27S–.06 158.90E–.05 27 4.8b,3.8s 119 1-157
IDC V 19 16 49 37.7–.54 9.25S 158.78E 0 4.4,4.3b **¶610645597**
NEIC V 19 16 49 39.3–1.7 9.24S–.10 158.86E–.08 10–1 4.8b,4.3b
BJI V 19 16 49 39.8–.00 9.30S 158.72E 18 4.9b,4.5b
GCMT V 19 16 49 40.3–.40 9.26S–.03 158.57E–.03 28–1 4.9W,4.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s18,c21; s61,c79;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.53±.20 $M_{\theta\theta}$-1.50±.15; $M_{\phi\phi}$-1.03±.12; $M_{r\theta}$-0.31±.22; $M_{\theta\phi}$1.06±.07; $M_{\phi r}$-1.76±.16; Best double couple: NP1:ϕ_s155.00000°,δ60.00000°,λ115.00000°. NP2:ϕ_s291.00000°,δ38.00000°,λ53.00000°. Principal axes: T 3.3530,Plg65.0000° ,Azm110.0000°; N -0.8170,Plg22.0000°,Azm322.0000°; P -2.5360,Plg12.0000° ,Azm227.0000° $M_0$2.94400$\times10^{16}$
ISC V 19 17 57 50.4–.40 9.72S–.07 158.96E–.05 27 4.6b,4.0s 98 1-147
IDC V 19 17 57 46.7–.57 9.26S 158.81E 0 4.4b,4.3 **¶610645580**
NEIC V 19 17 57 47.8–1.7 9.6S–.10 159.00E–.03 10–1 4.7b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC V 19 18 03 57.4–1.4 9.24S 158.76E 0 3.7,3.7b
¶610690693
IDC Error ellipse: s-maj=40.2km s-min=18.4km az=1.0.
ISC V 19 18 14 28.1–.33 5.60S–.04 154.39E–.04 95–2 4.9b 598 3-152
BJI V 19 18 14 27.3–.00 5.66S 154.80E 121 4.9b,4.7b **¶610645582**
IDC V 19 18 14 27.9–.49 5.62S 154.36E 93–4 4.8,4.5b
NEIC V 19 18 14 28.4–1.4 5.62S–.08 154.37E–.07 99–6 4.9b,4.5b
GCMT V 19 18 14 28.4–.10 5.71S–.01 154.28E–.01 84–1 5.2W,4.5b
DJA V 19 18 14 33.6–.80 6S–4.0 155E–4.0 141–8 5.7,5.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s103,c162; s122,c203;Duration: 1^{s}0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.65±.01 $M_{\theta\theta}$-0.45±.01; $M_{\phi\phi}$-0.19±.01; $M_{r\theta}$-0.35±.01; $M_{\theta\phi}$0.35±.01; $M_{\phi r}$0.36±.01; Best double couple: NP1:ϕ_s312.00000°,δ63.00000°,λ96.00000°. NP2:ϕ_s118.00000°,δ27.00000°,λ78.00000°. Principal axes: T 0.8200,Plg71.0000° ,Azm235.0000°; N 0.0440,Plg6.0000°,Azm129.0000°; P -0.8640,Plg18.0000°,Azm37.0000° $M_0$0.84200$\times10^{17}$
ISC V 19 23 08 18.1–1.4 11.4S–.20 163.1E–.20 10 4.2b,3.2s 20 4-92
NEIC V 19 23 08 16.9–2.1 11.2S–.10 163.2E–.10 10–2 4.5b,3.2s **¶610690704**
IDC V 19 23 08 18.2–2.8 11.52S 162.73E 0 3.9b,3.8
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=25.4km s-min=7.0km az=44.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=56.0km s-min=28.6km az=60.0.
IDC V 20 02 44 33.3–2.8 6.71S 156.31E 0 3.5,3.5b
¶610685001
IDC Error ellipse: s-maj=121.3km s-min=30.8km az=126.0.
ISC V 20 04 15 35.5–.46 9.29S–.09 158.86E–.07 27 4.5b,3.2s 52 1-146
IDC V 20 04 15 31.7–.59 9.25S 158.85E 0 4.5L,4.4 **¶610685008**
NEIC V 20 04 15 33.4–1.4 9.3S–.10 158.90E–.09 10–4 4.5b,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 21 01 30 37.2–.63 11.20S–.08 162.87E–.09 50 4.2b,3.5s 33 3-98
IDC V 21 01 30 38.4–2.9 11.21S 162.86E 64–23 4.1,3.8b **¶610685059**
NEIC V 21 01 30 40.5–1.9 11.1S–.20 162.6E–.10 62–6 4.3b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 21 16 35 27.1–.96 8.9S–.20 158.23E–.08 23 4.2b 20 2-87
IDC V 21 16 35 24.9–1.0 8.91S 158.12E 0 3.8,3.8b **¶610685091**
NEIC V 21 16 35 28.5–2.3 8.8S–.20 158.3E–.10 35–2 4.3b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 22 22 41 04.6–.93 10.4S–.10 161.6E–.20 61 3.9b 9 2-90
IDC V 22 22 41 05.8–2.5 10.51S 161.46E 75–20 4.0,3.6b **¶610685184**
ISC Event type ke.
IDC Error ellipse: s-maj=34.1km s-min=16.8km az=59.0.
ISC V 23 09 34 13.0–.51 10.73S–.07 161.42E–.09 100 4.5b 119 2-97
NEIC V 23 09 34 12–1.4 10.65S–.09 161.4E–.10 82–7 4.6b **¶610685209**
IDC V 23 09 34 19.1–1.7 10.10S 161.21E 126–11 4.2,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.5km s-min=12.4km az=66.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=22.1km s-min=15.3km az=107.0.
IDC V 23 19 09 37.0–4.3 6.75S 154.77E 0 3.6,3.6b
¶610685245
IDC Error ellipse: s-maj=125.3km s-min=32.1km az=113.0.
ISC V 24 11 05 19.1–.29 10.05S–.03 161.85E–.04 64–2 5.6b 1383 2-165
NEIC V 24 11 05 18.3 10.11S 161.88E 60 5.6b **¶616639968**
NEIC V 24 11 05 18.8–2.7 10.02S–.08 161.95E–.07 52–1 5.6b,5.5
NEIC V 24 11 05 18.3 10.01S 161.98E 49 5.6b,5.5
NEIC V 24 11 05 18.3 10.01S 161.98E 60 5.6b,5.5
GCMT V 24 11 05 19.8–.10 9.99S–.01 161.83E–.01 56–0 5.5W,5.5
BJI V 24 11 05 19.2–.00 9.63S 161.75E 62 5.6b,5.4b
IDC V 24 11 05 21.0–1.2 10.08S 161.78E 79–10 5.4,5.1b
MOS V 24 11 05 21.1–1.0 9.96S 161.63E 83 5.6b,4.9s
NOU V 24 11 05 21.1 10.00S 161.79E 73 5.6L,4.9s
ISC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2^{s}9 Moment tensor: Scale 10^{17}Nm; M_{rr}1.89 $M_{\theta\theta}$-0.86 $M_{\phi\phi}$-1.02 $M_{r\theta}$-0.37 $M_{\theta\phi}$0.89 $M_{\phi r}$0.61 NP1:ϕ_s321.43000°,δ55.50000° ,λ94.27000°. NP2:ϕ_s133.92000°,δ34.73000°,λ83.81000°. Principal axes: T 2.0239,Plg79.0000°,Azm247.0000°; N -0.0575,Plg4.0000°,Azm139.0000° ; P -1.9664,Plg10.0000°,Azm48.0000° $M_0$2.00000$\times10^{17}$
NEIC Event type se. Error ellipse: s-maj=14.3km s-min=11.5km az=211.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}2.28 $M_{\theta\theta}$-0.93 $M_{\phi\phi}$-1.35 $M_{r\theta}$-0.64 $M_{\theta\phi}$1.00 $M_{\phi r}$0.67 NP1:ϕ_s142.70000°,δ33.67000°,λ92.90000°. NP2:ϕ_s319.22000°,δ56.38000° ,λ88.07000°. Principal axes: T 2.4642,Plg79.0000°,Azm222.0000°; N -0.1211,Plg2.0000° ,Azm320.0000°; P -2.3431,Plg11.0000°,Azm51.0000° $M_0$2.41000$\times10^{17}$
NEIC Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s139,c241; s142,c271;Duration: 1^{s}3 Moment tensor: Scale 10^{17}Nm; M_{rr}1.62±.02 $M_{\theta\theta}$-0.79±.02; $M_{\phi\phi}$-0.83±.02; $M_{r\theta}$-0.57±.02; $M_{\theta\phi}$0.92±.02; $M_{\phi r}$0.90±.02; Best double couple: NP1:ϕ_s322.00000°,δ61.00000°,λ97.00000°. NP2:ϕ_s129.00000°,δ29.00000°,λ78.00000°. Principal axes: T 1.9410,Plg73.0000° ,Azm248.0000°; N 0.0840,Plg6.0000°,Azm139.0000°; P -2.0270,Plg16.0000°,Azm47.0000° $M_0$1.98400$\times10^{17}$
IDC Error ellipse: s-maj=11.7km s-min=8.5km az=56.0.
MOS Error ellipse: s-maj=7.3km s-min=5.6km az=116.0.
NOU Solomon Islands.
IDC V 24 13 10 46.7–2.8 6.92S 156.47E 0 3.6,3.6b
¶610685297
IDC Error ellipse: s-maj=55.8km s-min=36.0km az=74.0.
ISC V 25 05 57 34.0–.79 5.1S–.10 154.2E–.10 350 3.9b 33 2-152
NEIC V 25 05 57 27.4–.92 5.0S–.20 154.33E–.09 283–10 4.2b **¶610685337**
IDC V 25 05 57 33.5–1.1 5.01S 154.20E 342–9 4.1,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=26.1km s-min=9.9km az=201.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=22.2km s-min=14.5km az=87.0.
ISC V 25 21 21 00.3–.61 10.72S–.07 161.99E–.08 35 4.3b,3.6s 41 2-91
NEIC V 25 21 21 01.9–2.3 10.67S–.10 161.99E–.10 43–5 4.5b,3.6s **¶610685391**
IDC V 25 21 21 02.5–2.7 10.76S 161.78E 60–23 4.2L,4.0
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.2km s-min=12.3km az=222.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=24.7km s-min=15.7km az=72.0.
ISC V 26 18 10 36.3–.86 10.4S–.10 162.21E–.10 54 3.7b 25 2-88
IDC V 26 18 10 37.0–3.1 10.54S 162.18E 64–27 4.0L,3.9 **¶610685445**
NEIC V 26 18 10 38.1–1.4 10.39S–.04 162.1E–.10 64–10 4.0b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 27 09 52 00.8–.44 5.51S–.06 154.27E–.08 118 4.2b 84 3-152
IDC V 27 09 51 59.7–.68 5.53S 154.25E 109–5 4.3,3.9b **¶610655126**
NEIC V 27 09 52 03.0–1.1 5.5S–.10 154.2E–.10 133–8 4.4b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC V 28 17 21 22.4–3.2 10.58S 161.53E 54–23 3.6,3.3L
¶610685561
IDC Error ellipse: s-maj=51.4km s-min=15.8km az=51.0.
ISC V 29 01 10 20.7–.60 10.43S–.07 161.37E–.07 48–5 4.7b,3.5s 83 2-99
NEIC V 29 01 10 21.1–1.1 10.40S–.10 161.38E–.10 50–8 4.8b,3.5s **¶610655279**
IDC V 29 01 10 22.8–2.3 10.44S 161.33E 69–18 4.4,4.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.2km s-min=10.9km az=224.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=21.5km s-min=13.2km az=82.0.
ISC V 29 02 56 56.1–2.1 7.0S–.30 155.5E–.40 50 3.5b 6 24-153
IDC V 29 02 56 48.9–2.2 6.94S 155.53E 0 3.6,3.6b **¶610685582**
ISC Event type ke.
IDC Error ellipse: s-maj=73.5km s-min=30.0km az=122.0.
IDC V 29 03 12 23.3–2.9 10.47S 161.35E 76–25 3.8,3.4b
¶610685583
IDC Error ellipse: s-maj=30.9km s-min=22.2km az=62.0.
ISC V 29 06 25 37.4–.57 11.56S–.07 161.2E–.10 35 4.5b,3.6s 47 2-100
IDC V 29 06 25 34.1–.76 11.15S 161.48E 0 4.2L,4.1 **¶610685592**
NEIC V 29 06 25 37.8–.99 11.55S–.08 161.3E–.10 35–2 4.7b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 29 21 10 50.2–.32 10.75S–.04 161.91E–.04 70–2 5.2b 570 2-160
BJI V 29 21 10 45.0–.00 10.56S 161.98E 41 5.0b,4.6b **¶616639971**
IDC V 29 21 10 50.0–.58 10.74S 161.93E 69–4 4.8,4.5b
GCMT V 29 21 10 50.3–.20 10.68S–.02 161.81E–.02 81–2 5.0W,4.5b
MOS V 29 21 10 50.6–.94 10.64S 161.81E 85 5.2b,4.5b
NEIC V 29 21 10 51.3–1.7 10.69S–.07 161.90E–.05 78–6 5.3b,4.5b
NOU V 29 21 10 52.9 10.73S 161.85E 84 5.1b,4.5b
ISC Event type se.
IDC Error ellipse: s-maj=11.0km s-min=8.4km az=48.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s55,c67; s102,c142;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.01±.15 $M_{\theta\theta}$-1.51±.16; $M_{\phi\phi}$4.53±.14; $M_{r\theta}$-1.89±.10; $M_{\theta\phi}$1.53±.15; $M_{\phi r}$0.46±.12; Best double couple: NP1:ϕ_s162.00000°,δ56.00000°,λ-137.00000°. NP2:ϕ_s44.00000°,δ56.00000°,λ-43.00000°. Principal axes: T 4.8950,Plg0.0000° ,Azm283.0000°; N -0.4170,Plg37.0000°,Azm193.0000°; P -4.4680,Plg53.0000° ,Azm13.0000° $M_0$4.68200$\times10^{16}$
MOS Error ellipse: s-maj=9.3km s-min=6.6km az=105.6.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=3.6km az=213.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Solomon Islands.
ISC V 30 13 43 34.4–.78 7.2S–.10 155.8E–.10 35 4.5b 17 5-88
IDC V 30 13 43 30.4–1.4 7.10S 155.69E 0 5.5L,4.0 **¶610685723**
NEIC V 30 13 43 36.4–2.3 7.27S–.09 155.9E–.20 35–1 4.6b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 31 04 25 47.1–1.0 6.8S–.10 156.1E–.20 200 3.8b 11 5-154
IDC V 31 04 25 47.4–3.0 6.81S 156.06E 204–27 4.0,3.4b **¶610685762**
ISC Event type ke.
IDC Error ellipse: s-maj=26.6km s-min=20.5km az=93.0.
IDC V 31 13 51 52.6–2.6 11.36S 161.11E 0 3.8s,3.7
¶610685798
IDC Error ellipse: s-maj=55.7km s-min=42.5km az=57.0.
ISC V 31 15 04 48.3–.90 5.4S–.10 154.4E–.10 150 4.2b 45 3-85
NEIC V 31 15 04 39.7–1.7 4.8S–.10 154.3E–.10 101–10 4.3b **¶610685800**
IDC V 31 15 04 49.7–1.9 5.42S 154.26E 164–17 4.0,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=22.0km s-min=18.0km az=210.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=25.3km s-min=17.9km az=77.0.
ISC VI 02 02 11 16.6–.60 10.24S–.07 160.92E–.10 50 4.2b,3.5s 37 1-98
IDC VI 02 02 11 14.7–5.2 10.13S 161.11E 33–39 4.1L,4.0 **¶610791076**
NEIC VI 02 02 11 16.2–1.5 10.28S–.09 160.9E–.10 42–5 4.4b,4.0
ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VI 02 17 50 42.4–1.9 10.34S 161.55E 0 3.5,3.5b ¶610791112
IDC Error ellipse: s-maj=41.5km s-min=19.4km az=36.0.
ISC VI 03 02 59 35.1–.72 7.4S–.20 155.6E–.20 29 4.1b 16 24-154
IDC VI 03 02 59 30.7–.69 7.31S 155.56E 0 4.0,4.0b ¶610791142
ISC Event type ke.
IDC Error ellipse: s-maj=24.5km s-min=20.9km az=121.0.
IDC VI 03 08 43 09.2–3.6 6.95S 155.08E 0 3.6,3.6b ¶610791163
IDC Error ellipse: s-maj=105.9km s-min=30.0km az=113.0.
ISC VI 04 03 24 54.0–1.0 4.8S–.10 154.2E–.10 105 3.7b 11 2-152
IDC VI 04 03 24 54.3–4.6 4.79S 154.17E 108–34 4.1,3.8b ¶610791210
ISC Event type ke.
IDC Error ellipse: s-maj=43.7km s-min=18.9km az=99.0.
IDC VI 06 08 58 06.0–14 11.38S 163.32E 0 5.5L,3.6 ¶610791337
IDC Error ellipse: s-maj=235.7km s-min=38.8km az=60.0.
ISC VI 06 22 35 40.8–1.2 5.5S–.20 154.5E–.10 118 3.9b 13 3-152
IDC VI 06 22 35 43.2–4.9 5.52S 154.46E 139–32 3.9,3.5b ¶610791359
ISC Event type ke.
IDC Error ellipse: s-maj=60.3km s-min=20.6km az=108.0.
ISC VI 07 12 23 28.6–.39 10.39S–.04 161.38E–.05 62–3 5.0b 450 2-158
MOS VI 07 12 23 25.4–.84 10.39S 161.44E 51 5.2b ¶610666959
BJI VI 07 12 23 26.2–.00 10.13S 161.78E 61 5.0b,4.8b
GCMT VI 07 12 23 27.5–.30 10.42S–.02 161.34E–.02 44–2 5.0W,4.8b
NEIC VI 07 12 23 28.5–.80 10.37S–.07 161.45E–.08 62–6 5.0b,4.8b
IDC VI 07 12 23 29.0–2.1 10.45S 161.35E 67–16 4.8,4.4b
NOU VI 07 12 23 29.1 10.41S 161.41E 65 5.1b,4.4b
ISC Event type se.
MOS Error ellipse: s-maj=9.3km s-min=7.7km az=113.1.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s29,c32; s79,c103;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.65±.23 $M_{\theta\theta}$1.40±.16; $M_{\phi\phi}$-3.04±.14; $M_{r\theta}$1.83±.14; $M_{\theta\phi}$0.36±.11; $M_{\phi r}$-1.68±.14; Best double couple: NP1:ϕ_s143.00000°,δ73.00000°,λ55.00000°. NP2:ϕ_s30.00000°,δ38.00000°,λ152.00000°. Principal axes: T 3.5200,Plg49.0000° ,Azm14.0000°; N 0.2420,Plg33.0000°,Azm154.0000°; P -3.7520,Plg20.0000°,Azm258.0000° $M_0$3.63600×10^{16}
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=10.1km az=66.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=19.3km s-min=11.3km az=81.0.
NOU Solomon Islands.
ISC VI 09 20 32 55.2–.33 10.35S–.04 161.16E–.04 48–2 5.2b,4.6s 658 2-160
MOS VI 09 20 32 53.2–1.0 10.27S 161.18E 47 5.3b,4.6s ¶610669124
BJI VI 09 20 32 53.3–.00 10.13S 161.54E 52 5.1b,5.0s
NEIC VI 09 20 32 55.8–1.5 10.26S–.08 161.19E–.09 53–5 5.2b,5.0s
GCMT VI 09 20 32 55.8–.20 10.42S–.02 161.03E–.02 39–1 5.2W,5.0s
IDC VI 09 20 32 56.1–1.8 10.31S 161.14E 58–14 4.9,4.5s
NOU VI 09 20 32 57.6 10.36S 161.13E 53 5.1b,4.5s
ISC Event type se.
MOS Error ellipse: s-maj=7.9km s-min=7.0km az=95.1.
NEIC Event type se. Error ellipse: s-maj=13.5km s-min=10.0km az=49.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s83,c121; s101,c141;Duration: 1.0 Moment tensor: Scale 10^{16}Nm; M_{rr}5.17±.20 $M_{\theta\theta}$-2.57±.15; $M_{\phi\phi}$-2.60±.17; $M_{r\theta}$2.65±.19; $M_{\theta\phi}$3.12±.12; $M_{\phi r}$-5.12±.22; Best double couple: NP1:ϕ_s148.00000°,δ69.00000°,λ100.00000°. NP2:ϕ_s301.00000°,δ24.00000°,λ65.00000°. Principal axes: T 7.8180,Plg65.0000° ,Azm75.0000°; N 0.2350,Plg10.0000°,Azm324.0000°; P -8.0530,Plg23.0000°,Azm230.0000° $M_0$7.93600×10^{16}
IDC Error ellipse: s-maj=16.0km s-min=10.5km az=78.0.
NOU Solomon Islands.
ISC VI 10 04 19 41.8–.50 8.68S–.06 160.3E–.10 50 4.5b,3.5s 53 1-159
NEIC VI 10 04 19 42.5–.66 8.70S–.05 160.4E–.20 54–8 4.5b,3.5s ¶610791570
IDC VI 10 04 19 43.4–1.1 8.78S 160.32E 65–9 4.2,4.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.5km s-min=7.9km az=92.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=23.0km s-min=16.7km az=103.0.
IDC VI 10 17 10 22.8–1.4 7.10S 155.99E 0 5.1L,4.2 ¶610791605
IDC Error ellipse: s-maj=48.2km s-min=28.6km az=32.0.
ISC VI 11 14 20 39.1–.56 10.94S–.05 162.18E–.06 31–3 4.9b,4.1s 364 3-161
BJI VI 11 14 20 38.2–.00 11.48S 162.58E 60 5.1b,4.6b ¶610669640
IDC VI 11 14 20 38.1–2.4 11.03S 162.22E 30–16 4.4,4.2b
GCMT VI 11 14 20 39.6–.30 11.06S–.02 161.99E–.02 32–0 5.0W,4.2b
NOU VI 11 14 20 41.0 10.88S 162.12E 42 5.0b,4.2b
NEIC VI 11 14 20 41.6–1.6 10.88S–.06 162.12E–.06 46–6 4.9b,4.2b
ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s32,c37; s59,c77;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.80±.20 $M_{\theta\theta}$-1.75±.12; $M_{\phi\phi}$-1.06±.13; $M_{r\theta}$-0.19±.13; $M_{\theta\phi}$1.77±.08; $M_{\phi r}$-1.43±.14; Best double couple: NP1:ϕ_s150.00000°,δ56.00000°,λ116.00000°. NP2:ϕ_s289.00000°,δ42.00000°,λ56.00000°. Principal axes: T 3.3910,Plg67.0000° ,Azm114.0000°; N -0.0910,Plg22.0000°,Azm315.0000°; P -3.3090,Plg8.0000° ,Azm222.0000° $M_0$3.35000×10^{16}
NOU Solomon Islands.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 12 07 19 41.3–.85 6.3S–.10 155.3E–.10 150 4.0b 20 4-84
NEIC VI 12 07 19 42.4–.90 6.2S–.20 155.3E–.10 157–18 4.3b ¶610791706
IDC VI 12 07 19 42.8–2.6 6.33S 155.12E 163–21 3.8,3.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=33.9km s-min=12.6km az=207.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=32.5km s-min=19.3km az=63.0.
ISC VI 17 10 21 29.0–.49 7.47S–.06 154.67E–.08 27 4.6b,3.4s 59 4-153
IDC VI 17 10 21 24.5–.73 7.50S 154.80E 0 4.2,4.2b ¶610792053
NEIC VI 17 10 21 27.2–1.0 7.49S–.04 154.7E–.10 10–1 4.7b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 18 16 40 34.8–.58 8.98S–.09 158.98E–.09 500 4.0b 39 1-88
NEIC VI 18 16 40 36.5–1.1 9.0S–.10 159.03E–.04 527–10 4.2b ¶610792131
IDC VI 18 16 40 37.0–1.3 9.07S 158.98E 532–15 4.0,3.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.7km s-min=2.7km az=196.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=31.8km s-min=20.4km az=104.0.
ISC VI 18 18 03 53.7–.65 6.22S–.08 154.85E–.07 89 3.8b 19 3-153
IDC VI 18 18 03 54.0–1.4 6.25S 154.83E 93–13 4.1,3.6b ¶610792138
ISC Event type ke.
IDC Error ellipse: s-maj=16.4km s-min=10.6km az=41.0.
ISC VI 20 11 53 55.4–.56 5.57S–.07 154.66E–.08 118 4.0b 39 3-86
IDC VI 20 11 53 55.1–2.8 5.63S 154.73E 119–23 4.1,3.7b ¶610789159
NEIC VI 20 11 53 56.5–1.8 5.6S–.10 154.7E–.10 129–8 4.3b,3.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 20 12 40 11.5–.33 6.62S–.05 154.87E–.06 35 4.7b,3.8s 337 4-153
IDC VI 20 12 40 07.1–2.9 6.53S 154.92E 16–17 4.5,4.4b ¶610686578
NEIC VI 20 12 40 11.9–1.7 6.65S–.05 154.79E–.07 35–1 4.7b,4.4b
BJI VI 20 12 40 13.1–.00 6.23S 155.14E 62 5.0b,4.8b
DJA VI 20 12 40 14.1–.60 7S–4.0 155E–5.0 59–8 4.8b,4.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VI 21 05 36 45.7–9.2 10.32S 161.41E 0 3.8,3.8b ¶610789192
IDC Error ellipse: s-maj=262.5km s-min=51.5km az=121.0.
IDC VI 21 14 54 17.1–1.9 11.49S 163.76E 0 4.5L,3.8 ¶610789216
IDC Error ellipse: s-maj=35.3km s-min=31.4km az=50.0.
ISC VI 21 20 53 21.4–.33 10.42S–.04 161.41E–.04 50–2 5.3b,4.4s 598 2-160
BJI VI 21 20 53 20.8–.00 9.87S 161.83E 55 5.0b,4.7b ¶610690718
MOS VI 21 20 53 20.7–.92 10.39S 161.35E 61 5.4b,4.7b
IDC VI 21 20 53 20.3–.45 10.46S 161.48E 47–3 4.7,4.5b
NOU VI 21 20 53 22.7 10.39S 161.37E 52 5.3b,4.5b
GCMT VI 21 20 53 23.2–.20 10.39S–.01 161.34E–.01 51–1 5.2W,4.5b
NEIC VI 21 20 53 23.2–1.5 10.41S–.07 161.32E–.09 62–2 5.3b,4.5b
ISC Event type se.
NOU Solomon Islands.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s86,c132; s103,c175;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.76±.16 $M_{\theta\theta}$6.09±.13; $M_{\phi\phi}$-3.34±.15; $M_{r\theta}$2.35±.14; $M_{\theta\phi}$-0.51±.13; $M_{\phi r}$3.80±.13; Best double couple: NP1:ϕ_s236.00000°,δ72.00000°,λ-135.00000°. NP2:ϕ_s129.00000°,δ48.00000°,λ-24.00000°. Principal axes: T 6.6960,Plg15.0000° ,Azm357.0000°; N 0.4540,Plg42.0000°,Azm253.0000°; P -7.1600,Plg44.0000° ,Azm102.0000° $M_0$6.92800×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 22 06 43 33.8–.83 10.1S–.10 161.5E–.10 85 3.7b 13 2-90
IDC VI 22 06 43 35.4–1.1 10.13S 161.37E 104–9 3.9,3.5b ¶610789250
ISC Event type ke.
IDC Error ellipse: s-maj=21.8km s-min=12.3km az=44.0.
ISC VI 22 07 37 26.3–.82 10.5S–.10 161.5E–.10 61 3.7b 10 2-96
IDC VI 22 07 37 26.5–2.7 10.58S 161.41E 67–23 3.9,3.5b ¶610789255
ISC Event type ke.
IDC Error ellipse: s-maj=27.3km s-min=19.2km az=63.0.
IDC VI 22 07 40 10.8–4.0 10.03S 163.22E 0 3.6,3.6b ¶610789256
IDC Error ellipse: s-maj=166.3km s-min=35.7km az=134.0.
ISC VI 23 03 45 42.0–1.2 7.1S–.20 155.1E–.20 150 3.5b 11 4-153
IDC VI 23 03 45 46.1–4.3 6.96S 154.85E 177–30 3.9,3.5s ¶610789310
ISC Event type ke.
IDC Error ellipse: s-maj=42.3km s-min=21.2km az=112.0.

(194) D'Entrecasteaux Islands region.

ISC I 02 10 22 23.2–.45 9.57S–.06 155.24E–.07 33 4.8b,4.0s 62 5-150
GCMT I 02 10 22 18.6–.40 9.68S–.03 155.10E–.02 24–2 5.1W,4.0s ¶610236459
IDC I 02 10 22 18.1–.57 9.59S 155.22E 0 4.5,4.4b
NEIC I 02 10 22 20.6–1.9 9.49S–.10 155.3E–.10 10–1 4.9b,4.4b
ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s12,c12; s70,c89;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.57±.64 $M_{\theta\theta}$-0.95±.41; $M_{\phi\phi}$2.52±.37; $M_{r\theta}$2.37±.67; $M_{\theta\phi}$5.63±.28; $M_{\phi r}$1.81±.51; Best double couple: NP1:ϕ_s81.00000°,δ88.00000°,λ23.00000°. NP2:ϕ_s350.00000°,δ67.00000°,λ178.00000°. Principal axes: T 7.5780,Plg17.0000° ,Azm308.0000°; N -2.2470,Plg67.0000°,Azm84.0000°; P -5.3320,Plg15.0000° ,Azm213.0000° $M_0$6.45500×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 16 09 19 54.0–3.0 9.8S–.30 155.2E–.60 35 3.8b,3.3s 6 8-94
IDC I 16 09 19 48.9–3.0 9.72S 155.12E 0 3.8,3.8b ¶610237502
ISC Event type ke.
IDC Error ellipse: s-maj=94.2km s-min=27.2km az=107.0.
ISC I 19 19 24 26.0–.76 8.07S–.10 154.9E–.10 35 4.0b 24 5-88
NEIC I 19 19 24 22.7–1.8 8.2S–.10 154.8E–.20 10–1 4.3b ¶610237741
IDC I 19 19 24 33.8–2.9 8.22S 154.88E 96–30 4.1,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=29.8km s-min=13.4km az=57.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=32.6km s-min=23.7km az=174.0.
ISC II 27 01 37 20.4–1.3 9.5S–.10 152.1E–.10 17 3.5b 10 5-151
IDC II 27 01 37 18.0–1.7 9.38S 152.09E 0 3.7,3.6b ¶610385087
ISC Event type ke.
IDC Error ellipse: s-maj=51.6km s-min=25.1km az=135.0.
ISC III 03 01 48 15.6–1.2 9.8S–.30 154.4E–.30 18 3.6b,3.2s 6 5-94
IDC III 03 01 48 12.7–1.5 9.78S 154.48E 0 3.6,3.6b ¶610545419
ISC Event type ke.
IDC Error ellipse: s-maj=57.0km s-min=24.8km az=124.0.
ISC IV 07 23 29 01.2–.95 9.8S–.10 151.3E–.10 35 3.9b 12 4-150
IDC IV 07 23 29 06.8–6.4 9.79S 150.85E 78–51 3.9,3.5b ¶610652184
ISC Event type ke.
IDC Error ellipse: s-maj=57.3km s-min=21.7km az=91.0.
ISC IV 23 10 16 55.7–1.7 9.0S–.10 151.3E–.20 35 7 4-150
IDC IV 23 10 17 02.7–2.4 8.64S 150.84E 82–20 3.8,3.1b ¶610649808
ISC Event type ke.
IDC Error ellipse: s-maj=33.2km s-min=10.7km az=130.0.
IDC IV 26 16 39 28.9–1.4 9.27S 155.82E 0 5.0L,3.8 ¶610650074
IDC Error ellipse: s-maj=39.5km s-min=24.3km az=161.0.

SEISMIC REGION 16. New Guinea.

(196) Irian Jaya region.

IDC I 02 14 28 57.5–2.4 2.25S 133.81E 0 3.4,3.3L ¶610236473
IDC Error ellipse: s-maj=63.6km s-min=24.2km az=59.0.
IDC I 05 17 19 59.5–4.9 4.86S 133.30E 0 3.4,3.3b ¶610236783
IDC Error ellipse: s-maj=265.5km s-min=24.9km az=74.0.
IDC I 06 21 57 55.2–2.8 4.35S 135.88E 0 3.6,3.6b ¶610236859
IDC Error ellipse: s-maj=76.2km s-min=26.7km az=67.0.
ISC I 08 02 46 48.8–.48 3.35S–.06 135.58E–.07 22 4.6b,3.4s 81 3-148
IDC I 08 02 46 45.8–.68 3.15S 135.75E 0 4.7L,4.4 ¶610236935
NEIC I 08 02 46 49.5–1.9 3.23S–.10 135.7E–.10 32–6 4.6b,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DJA I 12 06 13 36.9–.60 1S–11 131E–3.0 10 5.7b,5.3 ¶615345227
IDC I 15 01 13 19.3–4.8 4.87S 133.48E 0 3.6b,3.4s ¶610237403
IDC Error ellipse: s-maj=258.1km s-min=27.5km az=75.0.
ISC I 20 14 49 58.7–.55 4.29S–.05 133.67E–.06 21 4.2b 63 2-86
IDC I 20 14 49 55.7–1.8 4.28S 133.93E 0 3.9,3.9L ¶610234942
DJA I 20 14 50 00.1–.20 4S–4.0 134E–2.0 109–9 5.1b,4.5
NEIC I 20 14 50 01.0–2.4 4.25S–.06 133.7E–.10 34–7 4.1b,4.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC I 21 15 45 44.5–2.3 1.61S 135.64E 0 3.3,3.3b ¶610235002
IDC Error ellipse: s-maj=49.2km s-min=25.9km az=63.0.
IDC I 22 02 59 16.1–4.6 0.69S 136.06E 0 3.2,3.1b ¶610235049
IDC Error ellipse: s-maj=215.0km s-min=29.3km az=79.0.
IDC I 24 05 10 03.4–5.5 0.91S 137.89E 0 3.4s,3.4b ¶610235241
IDC Error ellipse: s-maj=265.3km s-min=25.9km az=84.0.
IDC I 25 15 59 14.3–3.9 0.06S 132.98E 0 3.2,3.2b ¶610235334

IDC Error ellipse: s-maj=218.5km s-min=30.0km az=74.0.
ISC I 26 16 33 58.4–.37 1.16S–.04 136.68E–.04 25 4.6b,4.0s 134 1-150
IDC I 26 16 33 55.2–.64 1.10S 136.54E 0 4.4L,4.3 ¶610130722
DJA I 26 16 33 57.3–1.0 1S–3.0 137E–2.0 21–7 5.1b,5.0
GCMT I 26 16 33 59.5–.30 1.01S–.02 136.68E–.02 15 4.8W,5.0
NEIC I 26 16 33 59.5–1.5 1.09S–.09 136.58E–.09 30–6 4.7b,5.0
ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s17,c18; s65,c93;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-0.09±.10 $M_{\theta\theta}$0.62±.08; $M_{\phi\phi}$-0.53±.09; $M_{r\theta}$0.12±.28; $M_{\theta\phi}$1.79±.06; $M_{\phi r}$1.33±.27; Best double couple: NP1:ϕ_s190.00000°,δ88.00000°,λ-145.00000°. NP2:ϕ_s98.00000°,δ55.00000°,λ-3.00000°. Principal axes: T 2.2910,Plg22.0000° ,Azm318.0000°; N 0.0340,Plg55.0000°,Azm193.0000°; P -2.3240,Plg26.0000°,Azm60.0000° $M_0$2.30700×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 26 22 07 29.8–.87 1.51S–.09 134.15E–.06 17–5 3.8b 15 0-66
IDC I 26 22 07 27.1–1.4 1.48S 134.30E 0 4.1L,3.8 ¶610235416
DJA I 26 22 07 30.9–.50 2S–6.0 134E–3.0 12–5 5.4b,4.9
ISC Event type ke.
ISC I 29 13 29 40.0–1.5 1.0N–.10 130.09E–.09 35 3.8b 13 2-62
DJA I 29 13 29 34.4–1.4 1N–8.0 130E–6.0 29–14 5.5b,4.9 ¶610235648
IDC I 29 13 29 36.4–1.9 0.82N 130.04E 0 3.7,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=82.3km s-min=23.1km az=59.0.
IDC I 30 05 52 07.4–1.6 4.14S 136.10E 0 3.9,3.7b
¶610235691
IDC Error ellipse: s-maj=71.4km s-min=30.1km az=77.0.
IDC I 30 06 39 15.7–1.6 3.33S 133.83E 0 4.2s,3.7
¶610235696
IDC Error ellipse: s-maj=77.9km s-min=29.0km az=83.0.
DJA I 31 10 39 26.8–.60 3S–7.0 136E–5.0 25–5 5.5b,5.0b
¶615345483
ISC II 01 18 05 56.3–.60 0.79S–.06 131.39E–.08 35 4.1b,3.7s 58 2-95
IDC II 01 18 05 50.6–1.1 0.61S 131.82E 0 4.1L,4.0 ¶610172156
DJA II 01 18 05 54.2–.40 1S–4.0 131E–3.0 10 5.1b,4.6
NEIC II 01 18 05 57.4–1.5 0.86S–.07 131.3E–.10 39–6 4.1b,4.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 02 17 38 55.7–2.4 0.8S–.20 131.52E–.08 1–17 9 0-64
IDC II 02 17 38 55.3–1.6 0.74S 131.49E 0 3.2b,3.1 ¶610414688
DJA II 02 17 38 57.5–.50 1S–3.0 131E–4.0 10 3.9,3.9
ISC Event type ke.
ISC II 03 06 50 26.2–1.0 0.75S–.09 131.14E–.06 10 4.0b,3.1s 14 0-64
IDC II 03 06 50 22.5–2.7 0.64S 131.62E 0 4.0b,3.9 ¶610414723
DJA II 03 06 50 27.8–.40 1S–4.0 131E–2.0 10 4.3,4.2
ISC Event type ke.
IDC II 05 19 22 54.6–4.6 4.60S 133.68E 0 3.6b,3.5
¶610414904
IDC Error ellipse: s-maj=242.5km s-min=26.8km az=75.0.
IDC II 07 01 09 12.7–7.6 2.54S 134.93E 89–65 3.4,3.0b
¶610415000
IDC Error ellipse: s-maj=89.5km s-min=21.5km az=63.0.
ISC II 07 21 15 52.0–1.3 0.7S–.10 131.18E–.08 35 3.5b 9 2-68
IDC II 07 21 15 47.1–3.3 0.91S 130.29E 0 3.5L,3.4b ¶610415072
DJA II 07 21 15 50.3–.50 1S–4.0 131E–4.0 10 3.8,3.8
ISC Event type ke.
IDC II 13 14 48 03.2–2.8 3.11S 134.53E 0 3.7s,3.5
¶610415453
IDC Error ellipse: s-maj=94.9km s-min=27.0km az=70.0.
IDC II 14 23 44 15.4–2.7 2.13S 134.43E 0 3.4b,3.3
¶610415535
IDC Error ellipse: s-maj=152.7km s-min=29.8km az=82.0.
ISC II 16 22 18 30.3–.44 4.27S–.05 134.09E–.05 10 4.2b,3.7s 83 2-150
IDC II 16 22 18 28.8–.67 4.25S 134.12E 0 4.2,4.2L ¶610223757
NEIC II 16 22 18 31.3–1.2 4.26S–.07 134.1E–.10 17–5 4.4b,4.2L
DJA II 16 22 18 32.9–.30 4S–2.0 134E–2.0 39–5 5.3b,4.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 17 11 59 52.8–.72 2.29N–.07 132.3E–.10 35 4.0b 24 3-98
IDC II 17 11 59 48.2–.94 2.30N 132.72E 0 3.9,3.9b ¶610415690
NEIC II 17 11 59 52.9–1.6 2.33N–.09 132.22E–.07 35–2 4.2b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 17 19 43 26.2–.67 4.03S–.07 136.92E–.08 150 3.4b 38 5-88
NEIC II 17 19 43 22.6–1.9 3.9S–.10 137.2E–.10 112–11 4.1b ¶610415721
IDC II 17 19 43 26.2–2.2 3.99S 136.93E 151–21 3.9,3.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.9km s-min=15.3km az=223.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=23.3km s-min=12.0km az=73.0.
ISC II 19 11 28 01.8–.94 2.2N–.10 132.6E–.20 35 4.1s,3.8b 9 3-98
IDC II 19 11 27 56.8–.96 2.22N 132.66E 0 3.9b,3.8 ¶610415813
ISC Event type ke.
IDC Error ellipse: s-maj=45.7km s-min=18.5km az=79.0.
IDC II 19 18 27 26.3–2.1 0.85S 133.28E 0 3.6L,3.5
¶610415833
IDC Error ellipse: s-maj=41.1km s-min=25.4km az=49.0.
IDC II 19 23 37 44.6–3.7 3.39S 135.90E 0 3.3,3.2b
¶610415847
IDC Error ellipse: s-maj=158.6km s-min=33.2km az=80.0.
IDC II 20 17 46 22.9–2.6 4.21S 134.58E 0 3.7,3.6L
¶610384694
IDC Error ellipse: s-maj=87.9km s-min=25.0km az=68.0.
IDC II 20 22 14 51.0–2.7 3.58S 135.31E 0 3.6L,3.5
¶610384708
IDC Error ellipse: s-maj=85.5km s-min=28.7km az=71.0.
ISC II 21 19 34 48.9–.87 3.33S–.07 131.02E–.05 30 15 1-66
IDC II 21 19 34 44.4–1.7 3.34S 130.95E 0 3.7s,3.1 ¶610384766
DJA II 21 19 34 50.2–1.5 3S–6.0 131E–2.0 29–16 3.9b,3.5
ISC Event type ke.
IDC II 21 22 10 27.2–3.3 2.51S 134.22E 0 3.4,3.3b
¶610384774
IDC Error ellipse: s-maj=160.0km s-min=30.0km az=77.0.
ISC II 22 13 04 26.0–.50 2.24N–.06 132.70E–.08 10 4.5b,3.3s 69 5-129
DJA II 22 13 04 22.1–.30 2N–4.0 133E–4.0 10 4.9b,4.6 ¶610239620
IDC II 22 13 04 23.9–.67 2.30N 132.88E 0 4.1,4.1b
NEIC II 22 13 04 26.7–2.0 2.20N–.08 132.69E–.07 10–1 4.5b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC II 22 18 51 28.4–6.0 3.15S 131.85E 0 3.5,3.5b
¶610384824
IDC Error ellipse: s-maj=402.6km s-min=31.1km az=73.0.
ISC II 27 11 02 17.9–1.1 3.99S–.08 133.59E–.09 35 10 2-68
IDC II 27 11 02 15.3–4.7 4.27S 132.83E 0 3.6,3.5L ¶610385122
DJA II 27 11 02 20.2–2.5 4S–9.0 133E–4.0 26–28 4.0,4.0
ISC Event type ke.
ISC II 28 11 00 13.6–.45 4.67S–.05 134.03E–.08 21 4.3b 80 2-120
IDC II 28 11 00 12.5–.81 4.72S 133.89E 0 4.1,4.0b ¶610241892
NEIC II 28 11 00 15.3–2.0 4.62S–.08 134.0E–.10 38–6 4.3b,4.0b
DJA II 28 11 00 19.5–.30 5S–4.0 134E–3.0 51–16 5.0b,4.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC II 28 17 54 14.9–2.7 2.51N 133.54E 0 3.7s,3.6
¶610385215
IDC Error ellipse: s-maj=160.3km s-min=21.7km az=75.0.
ISC II 28 21 18 19.5–.84 2.61S–.07 136.62E–.05 42 3.5b 20 1-78
IDC II 28 21 18 13.1–2.7 3.01S 136.70E 0 3.7L,3.4 ¶610385228
DJA II 28 21 18 18.1–1.0 3S–4.0 137E–3.0 28–12 5.6b,5.0
ISC Event type ke.
ISC II 28 23 29 11.8–.65 2.73S–.06 136.66E–.05 42 3.8b 47 1-78
IDC II 28 23 29 06.2–1.5 2.84S 136.64E 0 4.1L,3.9 ¶610385235
DJA II 28 23 29 10.2–1.0 3S–5.0 137E–3.0 13–9 5.4b,4.8b
NEIC II 28 23 29 14.4–2.3 2.7S–.10 136.49E–.10 53–10 4.1b,4.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 01 00 48 07.8–.40 3.52S–.05 131.30E–.05 24 4.4b,3.9s 98 1-149
IDC III 01 00 48 04.7–.62 3.38S 131.32E 0 4.2,4.1b ¶610242088
NEIC III 01 00 48 09.8–1.2 3.46S–.07 131.30E–.08 37–8 4.4b,4.1b
DJA III 01 00 48 09.4–.20 4S–3.0 131E–3.0 81–7 5.4b,4.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 01 18 04 11.0–.99 0.8S–.10 131.47E–.06 10 3.4b 11 2-64
IDC III 01 18 04 07.1–3.2 0.52S 132.17E 0 3.4,3.4b ¶610545337
DJA III 01 18 04 15.3–.40 1S–3.0 131E–3.0 10 3.6,3.6
ISC Event type ke.
IDC III 01 21 09 27.5–3.6 3.38S 131.34E 0 3.2,3.2b
¶610545349
IDC Error ellipse: s-maj=234.9km s-min=31.3km az=72.0.
IDC III 02 15 19 03.1–2.6 1.95S 133.52E 0 3.7,3.7b
¶610545395
IDC Error ellipse: s-maj=125.8km s-min=27.0km az=76.0.
IDC III 02 15 29 44.7–2.6 1.99S 133.48E 0 3.7,3.7b
¶610545396
IDC Error ellipse: s-maj=126.5km s-min=27.3km az=76.0.
ISC III 02 18 17 40.5–1.0 0.62S–.09 130.74E–.08 35 3.7b 11 3-68
IDC III 02 18 17 34.9–2.0 0.87S 130.86E 0 3.7b,3.6 ¶610545403
DJA III 02 18 17 38.9–.50 0S–5.0 131E–5.0 47–8 3.8,3.8
ISC Event type ke.
IDC III 02 21 39 08.9–3.8 1.31S 135.72E 0 3.4,3.4b
¶610545411
IDC Error ellipse: s-maj=171.1km s-min=29.7km az=79.0.
IDC III 04 13 19 06.7–3.4 4.28S 134.95E 0 3.3,3.3L
¶610545527
IDC Error ellipse: s-maj=151.6km s-min=33.1km az=79.0.
IDC III 04 13 38 01.9–4.1 3.92S 135.80E 0 3.2,3.1b
¶610545528
IDC Error ellipse: s-maj=183.3km s-min=33.3km az=80.0.
IDC III 04 13 41 48.2–3.8 4.00S 135.03E 0 3.6,3.5L
¶610545529
IDC Error ellipse: s-maj=179.3km s-min=33.0km az=79.0.
IDC III 04 22 02 50.7–2.6 4.42S 135.59E 0 3.7,3.7L
¶610545552
IDC Error ellipse: s-maj=106.1km s-min=30.3km az=80.0.
IDC III 05 03 28 06.2–4.5 2.00N 130.45E 0 3.8,3.8b
¶610545564
IDC Error ellipse: s-maj=315.3km s-min=28.2km az=70.0.
IDC III 06 07 26 56.9–2.3 3.15S 135.76E 0 3.4,3.3b
¶610545636
IDC Error ellipse: s-maj=157.8km s-min=34.1km az=101.0.
ISC III 07 16 55 57.5–.84 4.13S–.10 133.66E–.08 35 3.7b 15 2-89
IDC III 07 16 55 53.3–1.3 4.19S 133.67E 0 3.7,3.6b ¶610545745
DJA III 07 16 55 53.9–.30 4S–3.0 134E–3.0 10 6.0b,5.7
ISC Event type ke.
ISC III 08 11 42 59.5–1.2 4.9S–.10 133.2E–.30 10 9 4-72
IDC III 08 11 42 58.4–1.6 4.63S 133.66E 0 4.0s,3.6 ¶610545802
ISC Event type ke.
IDC Error ellipse: s-maj=94.0km s-min=22.5km az=67.0.
IDC III 10 00 43 56.0–2.0 1.00S 130.03E 0 3.4b,3.3
¶610545912
IDC Error ellipse: s-maj=164.1km s-min=23.9km az=73.0.
IDC III 10 08 29 20.6–6.2 4.78S 134.22E 0 3.7b,3.6
¶610545940
IDC Error ellipse: s-maj=340.8km s-min=32.2km az=78.0.
IDC III 10 08 47 11.7–4.8 4.77S 133.98E 0 3.4,3.3b
¶610545945
IDC Error ellipse: s-maj=226.6km s-min=28.3km az=74.0.
ISC III 10 21 20 55.2–.60 1.88S–.03 133.40E–.03 33–2 4.9b,3.4s 486 1-157
BJI III 10 21 20 49.3–.00 2.01S 133.61E 19 5.0b,4.7b ¶610323119
MOS III 10 21 20 52.6–.77 1.87S 133.38E 29 5.0b,4.7b
DJA III 10 21 20 53.0–.20 2S–3.0 133E–2.0 10 5.2b,4.9
NEIC III 10 21 20 54.0–1.0 1.87S–.07 133.47E–.06 25–5 4.9b,4.9
IDC III 10 21 20 55.9–2.5 1.88S 133.26E 38–21 4.7,4.5b
ISC Event type se.
MOS Error ellipse: s-maj=9.9km s-min=5.0km az=115.1.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=7.8km az=205.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=17.0km s-min=8.7km az=76.0.
IDC III 10 21 37 35.1–2.2 1.80S 133.24E 0 3.6,3.5b
¶610545981
IDC Error ellipse: s-maj=56.3km s-min=22.3km az=57.0.
ISC III 10 22 13 50.9–1.2 1.6S–.20 133.5E–.10 35 3.3b 7 2-68
IDC III 10 22 13 46.0–1.4 1.58S 133.49E 0 3.3,3.3b ¶610545983
ISC Event type ke.
IDC Error ellipse: s-maj=34.7km s-min=21.3km az=47.0.
ISC III 11 02 35 35.6–2.0 2.14S–.09 136.19E–.08 8–14 3.9b,3.0s 16 0-134
IDC III 11 02 35 35.4–1.4 2.13S 136.32E 0 3.9,3.8b ¶610545993
DJA III 11 02 35 37.5–.30 2S–5.0 136E–3.0 10 4.3,4.2
ISC Event type ke.
IDC III 14 02 32 03.6–2.5 0.42N 131.01E 0 3.2,3.1b
¶610546172
IDC Error ellipse: s-maj=200.3km s-min=25.2km az=74.0.
IDC III 14 10 05 24.6–2.2 0.41S 136.30E 0 3.2b,3.1
¶610546193
IDC Error ellipse: s-maj=154.8km s-min=31.3km az=102.0.
IDC III 15 15 40 07.3–2.6 2.49S 133.70E 0 3.1,3.0b
¶610546256
IDC Error ellipse: s-maj=158.6km s-min=30.1km az=81.0.
IDC III 15 15 49 35.2–5.8 0.69S 130.97E 0 3.7s,3.3b
¶616316507
IDC Error ellipse: s-maj=420.0km s-min=27.5km az=72.0.
ISC III 15 16 10 53.5–1.1 1.02S–.09 134.34E–.06 27 3.9b 13 1-66
IDC III 15 16 10 49.7–1.6 1.01S 134.28E 0 3.8,3.7b ¶610546259
DJA III 15 16 10 55.1–.70 1S–5.0 134E–3.0 28–5 4.4b,4.0
ISC Event type ke.
IDC III 16 12 18 59.8–4.4 4.97S 134.01E 0 3.9b,3.4
¶610546312
IDC Error ellipse: s-maj=218.9km s-min=27.6km az=75.0.
IDC III 19 10 18 08.2–2.8 1.49S 132.89E 0 3.3,3.3b
¶610546505
IDC Error ellipse: s-maj=130.4km s-min=29.4km az=75.0.
ISC III 19 10 48 25.2–1.5 0.3S–.10 131.5E–.10 35 7 1-64
IDC III 19 10 48 20.5–5.0 0.38S 131.34E 0 3.1,3.1b ¶610546506
DJA III 19 10 48 25.1–1.3 0S–7.0 132E–9.0 17–15 3.4,3.4
ISC Event type ke.
DJA III 19 22 44 37.2–.40 1S–5.0 131E–3.0 10 4.6b,3.9
¶615345930
IDC III 20 19 27 11.9–3.3 2.32S 134.40E 0 3.0,3.0b
¶610543351
IDC Error ellipse: s-maj=156.5km s-min=30.5km az=77.0.
IDC III 21 21 22 03.8–3.1 1.41S 134.42E 0 3.4L,3.3
¶610543427
IDC Error ellipse: s-maj=137.4km s-min=29.6km az=77.0.

ISC III 24 20 15 44.9–.46 0.96S–.05 134.62E–.06 27 4.3b,3.4s 70 1-152
IDC III 24 20 15 41.2–.67 0.80S 134.66E 0 4.3L,4.1 **¶610434841**
DJA III 24 20 15 45.1–.50 1S–6.0 135E–3.0 10 4.9b,4.6b
NEIC III 24 20 15 45.5–2.1 0.92S–.10 134.7E–.10 31–6 4.4b,4.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DJA III 25 16 03 23.8–.50 3S–5.0 137E–3.0 53–15 3.9b,3.7
¶615345991
DJA III 25 16 10 31.2–1.3 3S–4.0 137E–2.0 31–16 3.8,3.8
¶615345990
ISC III 25 20 29 14.0–1.8 3.5S–.20 133.6E–.50 35 6 4-132
IDC III 25 20 29 08.0–2.3 3.15S 134.19E 0 3.5b,3.4 **¶610543665**
ISC Event type ke.
IDC Error ellipse: s-maj=101.4km s-min=24.1km az=68.0.
IDC III 26 02 37 02.7–2.5 2.22S 134.20E 0 3.2,3.1b
¶610543694
IDC Error ellipse: s-maj=61.8km s-min=25.6km az=59.0.
IDC III 28 20 53 54.2–3.1 4.30S 135.48E 0 3.3,3.2s
¶610543870
IDC Error ellipse: s-maj=99.1km s-min=29.4km az=72.0.
IDC III 29 12 25 48.7–5.9 4.89S 133.07E 0 3.6,3.6b
¶610543927
IDC Error ellipse: s-maj=363.1km s-min=31.6km az=76.0.
IDC III 29 13 58 01.7–2.9 4.09S 136.24E 0 3.4,3.3L
¶610543936
IDC Error ellipse: s-maj=78.5km s-min=27.2km az=66.0.
ISC III 29 18 02 18.8–.78 3.58S–.09 135.2E–.10 35 3.9b 14 5-150
IDC III 29 18 02 15.0–.90 3.04S 135.51E 0 4.1,4.0b **¶610543947**
ISC Event type ke.
IDC Error ellipse: s-maj=43.0km s-min=22.5km az=58.0.
ISC III 30 00 17 28.6–.47 0.63S–.06 135.84E–.06 29 4.4b 63 1-151
IDC III 30 00 17 24.4–.58 0.54S 135.90E 0 4.3,4.3b **¶610543963**
DJA III 30 00 17 28.4–1.5 1S–6.0 136E–4.0 24–17 5.3b,4.8
NEIC III 30 00 17 31.2–.77 0.64S–.09 135.73E–.10 45–7 4.4b,4.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC III 30 13 05 04.9–2.1 3.83S 135.99E 0 4.0,3.8L
¶610543990
IDC Error ellipse: s-maj=75.5km s-min=29.0km az=71.0.
ISC III 31 07 46 21.8–1.6 0.5S–.10 131.2E–.10 10 7 0-64
IDC III 31 07 46 23.4–2.3 0.82S 129.38E 0 3.2,3.2b **¶610544037**
DJA III 31 07 46 23.9–.50 1S–7.0 131E–8.0 10 3.1,3.1
ISC Event type ke.
IDC III 31 08 44 03.1–1.9 4.53S 135.55E 0 4.2,4.2L
¶610544040
IDC Error ellipse: s-maj=79.4km s-min=27.4km az=70.0.
IDC IV 01 12 54 20.4–5.6 1.00N 131.54E 0 3.6,3.6b
¶610651701
IDC Error ellipse: s-maj=379.4km s-min=27.7km az=72.0.
ISC IV 01 16 50 27.0–.45 4.18S–.05 134.12E–.06 35 4.2b,3.9s 81 2-99
IDC IV 01 16 50 22.5–.85 4.14S 134.10E 0 4.7L,4.0 **¶610473026**
DJA IV 01 16 50 25.1–1.5 4S–2.0 134E–2.0 18–13 5.2b,5.0
NEIC IV 01 16 50 26.3–2.5 4.19S–.07 134.1E–.10 25–6 4.4b,5.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 01 16 52 40.9–.43 0.51S–.05 132.00E–.06 31 4.5b,3.7s 51 2-120
IDC IV 01 16 52 36.5–.78 0.47S 131.97E 0 4.4L,4.2 **¶610470138**
DJA IV 01 16 52 41.8–.40 1S–3.0 132E–2.0 10 5.2,5.0
NEIC IV 01 16 52 42.4–1.2 0.51S–.09 132.1E–.10 42–8 4.7b,5.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IV 02 01 35 31.2–6.4 4.39S 134.26E 0 3.5,3.4b
¶610651734
IDC Error ellipse: s-maj=353.9km s-min=31.8km az=78.0.
IDC IV 03 17 02 20.2–3.4 1.61S 132.80E 0 3.1,3.1b
¶610651851
IDC Error ellipse: s-maj=184.7km s-min=29.9km az=75.0.
IDC IV 05 04 48 24.6–3.7 3.98S 135.11E 0 3.6,3.6L
¶610651965
IDC Error ellipse: s-maj=167.3km s-min=32.9km az=79.0.
IDC IV 05 14 00 08.9–2.8 1.91S 133.18E 0 3.2,3.2L
¶610652017
IDC Error ellipse: s-maj=129.7km s-min=29.9km az=75.0.
ISC IV 05 14 28 32.2–1.5 0.6S–.10 131.8E–.10 31 7 2-64
IDC IV 05 14 28 29.2–3.7 0.86S 130.98E 0 3.7s,3.3 **¶610652018**
DJA IV 05 14 28 31.9–.70 1S–5.0 132E–4.0 35–9 3.5,3.5
ISC Event type ke.
ISC IV 07 16 01 22.3–2.0 1.0S–.40 131.3E–.70 35 5 2-64
IDC IV 07 16 01 19.3–3.4 1.23S 130.30E 0 3.7L,3.4 **¶610652167**
DJA IV 07 16 01 22.5–.50 1S–4.0 132E–4.0 29–5 3.7,3.7
ISC Event type ke.
DJA IV 09 02 04 02.1–.60 1S–3.0 132E–2.0 15–5 3.6,3.6
¶615346126
IDC IV 10 23 03 55.1–3.2 1.63S 136.76E 0 4.1L,3.5
¶610652416
IDC Error ellipse: s-maj=123.7km s-min=30.1km az=81.0.
ISC IV 11 00 02 05.2–.59 0.53S–.07 131.39E–.08 10 4.4b 49 3-87
NEIC IV 11 00 02 06.1–1.1 0.6S–.10 131.4E–.10 10–1 4.4b **¶610652418**
DJA IV 11 00 02 08.7–.50 1S–3.0 131E–3.0 11–3 4.2,4.2
IDC IV 11 00 02 24.4–4.7 1.03S 130.94E 197–45 3.9,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=23.9km s-min=13.7km az=42.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=39.7km s-min=10.8km az=69.0.
IDC IV 13 13 05 13.7–4.5 1.63S 130.98E 0 3.2,3.2b
¶610652635
IDC Error ellipse: s-maj=316.9km s-min=29.2km az=72.0.
ISC IV 14 20 39 44.0–1.4 0.6S–.10 134.64E–.10 10 3.4b 7 1-66
DJA IV 14 20 39 41.3–.70 0S–6.0 135E–5.0 10 3.8,3.8 **¶610652755**
IDC IV 14 20 39 47.6–3.0 0.88S 133.72E 0 3.5b,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=120.8km s-min=23.5km az=71.0.
ISC IV 16 18 32 25.2–1.3 1.92S–.08 140.5E–.10 10 3.8b 12 1-70
IDC IV 16 18 32 22.4–2.2 1.72S 140.76E 0 4.2L,3.9 **¶610652880**
DJA IV 16 18 32 34.8–.90 3S–12 140E–16 38–23 5.2b,4.6
ISC Event type ke.
IDC IV 18 01 17 32.3–6.6 1.39S 131.58E 0 3.2,3.2b
¶610652956
IDC Error ellipse: s-maj=454.7km s-min=29.3km az=73.0.
IDC IV 18 22 48 01.1–2.2 0.71S 133.60E 0 4.1L,3.9
¶610653012
IDC Error ellipse: s-maj=130.4km s-min=21.2km az=77.0.
IDC IV 22 15 25 01.9–2.6 3.79S 135.97E 0 3.5,3.4L
¶610653272
IDC Error ellipse: s-maj=67.5km s-min=26.6km az=64.0.
IDC IV 22 18 41 12.7–2.0 0.45N 132.76E 0 3.8,3.7b
¶610653275
IDC Error ellipse: s-maj=40.0km s-min=27.9km az=90.0.
IDC IV 24 22 04 30.2–3.1 0.01S 133.06E 0 3.6b,3.5
¶610649924
IDC Error ellipse: s-maj=160.0km s-min=30.0km az=74.0.
ISC IV 26 18 00 15.8–.59 0.69S–.07 135.68E–.06 35 4.1b 68 1-117
IDC IV 26 18 00 09.0–.86 0.46S 135.97E 0 4.0,4.0L **¶610560066**
DJA IV 26 18 00 14.5–1.8 1S–5.0 136E–3.0 30–21 4.6b,4.5
NEIC IV 26 18 00 20.2–2.1 0.84S–.09 135.37E–.05 61–10 4.2b,4.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 27 18 00 08.8–.86 3.33S–.08 135.56E–.07 22 21 2-23
DJA IV 27 18 00 08.5–.40 3S–4.0 136E–3.0 14–3 5.0b,4.4b **¶612489589**
ISC Event type ke.
ISC IV 28 10 40 32.8–.70 4.56S–.06 132.65E–.06 35 45 2-75
IDC IV 28 10 40 28.5–5.0 4.66S 132.56E 0 4.2,4.1L **¶610650219**
NEIC IV 28 10 40 32.4–1.2 4.54S–.07 132.89E–.04 45–9 4.1b,4.1L
DJA IV 28 10 40 35.0–.40 4S–4.0 133E–2.0 42–60 5.3b,4.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IV 29 21 03 29.6–8.6 2.41S 136.11E 78–72 3.5,3.4L
¶610650350
IDC Error ellipse: s-maj=109.1km s-min=23.4km az=68.0.
ISC IV 30 04 30 56.3–1.1 1.0S–.10 131.39E–.09 35 7 0-64
IDC IV 30 04 30 52.9–1.6 1.15S 130.85E 0 3.6L,3.5 **¶610650381**
DJA IV 30 04 30 53.7–.60 1S–7.0 131E–6.0 24–9 3.7,3.7
ISC Event type ke.
ISC V 03 09 01 08.9–.81 3.40S–.07 131.34E–.06 24 4.1b,3.3s 18 1-99
IDC V 03 09 01 04.3–1.2 3.41S 131.44E 0 4.1,4.1b **¶610689468**
DJA V 03 09 01 10.1–1.3 3S–3.0 131E–3.0 28–13 5.7b,5.2
ISC Event type ke.
IDC V 04 20 26 08.9–3.9 0.57S 136.23E 0 3.6b,3.5
¶610689564
IDC Error ellipse: s-maj=180.6km s-min=26.9km az=79.0.
ISC V 05 07 17 31.7–.36 3.64S–.04 131.38E–.06 24 4.5b,3.3s 109 1-152
IDC V 05 07 17 28.2–.58 3.50S 131.46E 0 4.3,4.2b **¶610598553**
DJA V 05 07 17 32.9–.40 3S–3.0 131E–3.0 36–6 5.0b,4.6b
NEIC V 05 07 17 33.9–1.5 3.55S–.06 131.39E–.07 37–7 4.5b,4.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 05 07 34 20.2–.39 3.61S–.04 131.29E–.04 24 4.6b,3.5s 102 1-152
IDC V 05 07 34 17.0–.63 3.58S 131.10E 0 4.3,4.3b **¶610598554**
DJA V 05 07 34 19.4–.50 4S–3.0 131E–2.0 20–5 5.4b,4.9
NEIC V 05 07 34 21.8–2.4 3.53S–.06 131.37E–.07 34–5 4.5b,4.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 05 08 25 35.8–.64 3.51S–.06 131.28E–.06 24 4.1b 23 1-129
IDC V 05 08 25 32.5–1.2 3.52S 131.34E 0 4.0,4.0b **¶610689593**
DJA V 05 08 25 35.1–.30 3S–4.0 131E–3.0 10 3.9,3.9
ISC Event type ke.
ISC V 05 08 46 32.8–.71 3.59S–.06 131.31E–.06 10 4.0b 16 1-129
IDC V 05 08 46 32.4–1.2 3.55S 131.06E 0 4.0,4.0b **¶610689597**
DJA V 05 08 46 34.5–.50 4S–3.0 131E–3.0 22–5 4.1b,4.0
ISC Event type ke.
ISC V 05 09 02 26.7–.22 3.57S–.03 131.26E–.03 24 5.0b,4.3s 709 1-161
BJI V 05 09 02 22.5–.00 3.91S 131.52E 29 5.0b,4.9b **¶610602367**
IDC V 05 09 02 23.4–.38 3.49S 131.30E 0 4.9,4.9b
MOS V 05 09 02 25.4–1.0 3.52S 131.21E 26 5.1b,4.9b
NEIC V 05 09 02 25.1–1.8 3.51S–.04 131.23E–.06 10–1 5.1b,4.9b
DJA V 05 09 02 26.3–.70 4S–2.0 131E–1.0 16–5 5.5b,5.2
GCMT V 05 09 02 28.1–.20 3.56S–.02 131.42E–.01 14–0 5.0W,5.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s65,c83; s128,c172;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}4.02±.15 $M_{\theta\theta}$-1.34±.09; $M_{\phi\phi}$-2.68±.10; $M_{r\theta}$-0.53±.23; $M_{\theta\phi}$1.38±.06; $M_{\phi r}$2.33±.24; Best double couple: NP1:ϕ_s337.00000°,δ61.00000°,λ98.00000°. NP2:ϕ_s141.00000°,δ30.00000°,λ76.00000°. Principal axes: T 4.7520,Plg73.0000° ,Azm267.0000°; N -0.5750,Plg7.0000°,Azm153.0000°; P -4.1770,Plg16.0000°,Azm61.0000° $M_0$4.46500×10^{16}
ISC V 05 09 35 24.5–.91 3.36S–.06 131.23E–.07 10 15 1-66
IDC V 05 09 35 21.0–1.7 3.64S 130.76E 0 3.6,3.6b **¶610689602**
DJA V 05 09 35 27.3–1.1 3S–5.0 131E–3.0 22–10 4.2b,4.0
ISC Event type ke.
IDC V 05 10 06 27.7–3.8 2.93S 136.19E 0 3.2,3.1b
¶610689605
IDC Error ellipse: s-maj=163.3km s-min=32.9km az=81.0.
ISC V 05 10 19 42.8–.83 3.57S–.07 131.26E–.06 24 19 1-129
IDC V 05 10 19 38.5–1.9 3.53S 131.55E 0 3.7b,3.6 **¶610689606**
DJA V 05 10 19 44.4–1.0 3S–6.0 131E–2.0 28–10 5.8b,5.3
ISC Event type ke.
IDC V 06 04 59 15.9–1.9 3.49S 131.51E 0 3.8,3.8b
¶610689646
IDC Error ellipse: s-maj=130.0km s-min=21.3km az=81.0.
ISC V 07 08 47 14.4–.77 3.58S–.06 131.30E–.06 35 3.8b 28 1-69
IDC V 07 08 47 10.0–1.4 3.52S 131.42E 0 3.9,3.9b **¶610689708**
DJA V 07 08 47 13.8–.40 3S–4.0 131E–3.0 86–7 4.6b,4.1
ISC Event type ke.
ISC V 07 16 16 09.6–1.6 0.7N–.20 132.5E–.20 10 4.0b 15 2-85
IDC V 07 16 16 08.8–1.9 0.56N 132.75E 0 3.9,3.9b **¶610689736**
NEIC V 07 16 16 09.4–1.4 0.8N–.10 132.6E–.10 14–9 4.1b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 07 21 54 52.1–1.3 0.4S–.10 132.6E–.10 10 4.0b 14 1-64
IDC V 07 21 54 50.0–1.4 0.27S 132.71E 0 4.1L,4.0 **¶610689758**
ISC Event type ke.
IDC Error ellipse: s-maj=21.4km s-min=16.8km az=169.0.
IDC V 08 18 16 34.0–1.8 0.92S 134.04E 0 3.7,3.7b
¶610689818
IDC Error ellipse: s-maj=40.7km s-min=22.5km az=56.0.
IDC V 10 20 04 11.7–5.7 3.73S 132.53E 0 3.7b,3.3
¶610689989
IDC Error ellipse: s-maj=367.3km s-min=30.4km az=75.0.
IDC V 12 01 35 47.1–3.4 1.78S 134.92E 0 3.3,3.3L
¶610690088
IDC Error ellipse: s-maj=154.2km s-min=30.0km az=79.0.
IDC V 12 10 42 03.3–1.6 2.60S 133.25E 0 3.6b,3.5
¶610690127
IDC Error ellipse: s-maj=48.5km s-min=20.2km az=69.0.
IDC V 13 00 01 44.7–4.5 1.97S 131.52E 0 3.3L,3.2
¶610690153
IDC Error ellipse: s-maj=297.5km s-min=29.2km az=73.0.
ISC V 13 05 47 35.7–.55 3.20S–.06 132.92E–.07 10 4.4b,3.3s 56 1-152
DJA V 13 05 47 34.4–.40 3S–6.0 133E–3.0 108–12 5.1b,4.6 **¶610638092**
NEIC V 13 05 47 35.1–2.4 3.08S–.07 132.99E–.06 10–1 4.4b,4.6
IDC V 13 05 47 36.1–.85 3.22S 132.97E 0 4.2,4.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.2km s-min=4.0km az=223.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=41.6km s-min=17.1km az=55.0.
ISC V 13 17 02 07.8–.56 1.94S–.05 140.45E–.05 10 4.2b,3.4s 60 1-147
IDC V 13 17 02 06.2–.74 1.87S 140.63E 0 4.0L,3.9 **¶610690206**
NEIC V 13 17 02 07.5–1.2 1.90S–.07 140.4E–.10 6–3 4.4b,3.9
DJA V 13 17 02 09.3–1.0 2S–4.0 141E–6.0 10 4.8b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 14 01 30 14.2–1.1 4.60S–.08 133.8E–.10 10 8 3-68
IDC V 14 01 30 14.4–5.9 4.44S 133.59E 0 3.8L,3.7 **¶610690231**
DJA V 14 01 30 15.3–.50 4S–5.0 134E–4.0 10 5.0b,4.6b
ISC Event type ke.
ISC V 14 06 54 08.8–1.3 3.31S–.09 134.69E–.07 24 8 2-68
IDC V 14 06 54 06.2–2.5 3.24S 134.73E 0 3.9,3.9b **¶610690252**
DJA V 14 06 54 12.4–.60 3S–5.0 135E–4.0 10 3.8,3.8

ISC Event type ke.
IDC **V 15 09 16 00.4–5.9 1.41S 134.33E 0 3.6b,3.4** ¶610690333
IDC Error ellipse: s-maj=108.4km s-min=27.1km az=36.0.
ISC **V 15 23 55 46.6–.82 1.0S–.10 137.3E–.10 26 4.0b 11 4-150**
IDC V 15 23 55 43.1–.92 0.95S 137.16E 0 3.9,3.9b ¶610690367
ISC Event type ke.
IDC Error ellipse: s-maj=35.8km s-min=19.4km az=71.0.
ISC **V 17 00 04 22.9–1.3 0.8S–.10 135.02E–.06 10 9 1-66**
DJA V 17 00 04 21.6–.70 1S–8.0 135E–4.0 102–8 3.9,3.9 ¶610690454
IDC V 17 00 04 22.6–2.1 0.91S 134.89E 0 3.6,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=44.6km s-min=26.2km az=62.0.
ISC **V 17 09 56 43.6–1.0 2.98S–.08 133.94E–.08 24 7 1-67**
DJA V 17 09 56 41.3–.50 3S–4.0 134E–4.0 10 4.2b,3.8 ¶610690479
IDC V 17 09 56 42.0–2.8 2.75S 133.89E 0 3.8,3.7s
ISC Event type ke.
IDC Error ellipse: s-maj=118.4km s-min=31.0km az=76.0.
IDC **V 17 10 00 13.7–2.4 1.99S 135.06E 0 3.7b,3.6** ¶610690481
IDC Error ellipse: s-maj=56.3km s-min=26.3km az=62.0.
IDC **V 17 20 52 25.9–2.8 4.32S 135.05E 0 3.6,3.5L** ¶610690524
IDC Error ellipse: s-maj=83.0km s-min=25.6km az=68.0.
IDC **V 18 13 52 12.9–2.0 3.72S 133.98E 0 4.2L,4.0** ¶610690599
IDC Error ellipse: s-maj=84.7km s-min=28.7km az=67.0.
ISC **V 20 14 17 26.4–.75 1.9S–.10 133.61E–.07 10 4.0b 17 1-70**
IDC V 20 14 17 24.3–6.3 1.93S 133.67E 0 4.1b,4.0 ¶610685031
DJA V 20 14 17 26.5–.30 2S–4.0 134E–2.0 10 5.0b,4.3b
ISC Event type ke.
ISC **V 21 05 48 34.7–.97 1.9S–.10 133.58E–.07 10 10 1-66**
IDC V 21 05 48 33.2–2.9 1.91S 133.63E 0 3.7L,3.6 ¶610685069
DJA V 21 05 48 35.2–.30 2S–4.0 134E–3.0 10 4.1b,4.0
ISC Event type ke.
ISC **V 21 05 54 56.3–.45 2.02S–.05 133.70E–.05 10 4.4b,3.1s 64 1-152**
IDC V 21 05 54 54.8–.98 1.85S 133.95E 0 4.1,4.1b ¶610646024
DJA V 21 05 54 58.5–.30 2S–3.0 134E–3.0 10 4.4,4.4
NEIC V 21 05 55 01.1–1.4 1.98S–.10 133.68E–.05 40–8 4.3b,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC **V 23 21 28 52.0–1.7 4.5S–.10 134.2E–.20 21 13 2-69**
IDC V 23 21 28 51.1–5.8 4.71S 133.37E 0 3.6,3.6L ¶610685250
ISC Event type ke.
IDC Error ellipse: s-maj=340.4km s-min=32.8km az=76.0.
IDC **V 24 04 50 42.4–3.2 4.65S 135.59E 0 3.6,3.5L** ¶610685270
IDC Error ellipse: s-maj=132.2km s-min=33.4km az=80.0.
IDC **V 31 13 16 27.1–5.7 2.33N 130.60E 0 3.3,3.3b** ¶610685795
IDC Error ellipse: s-maj=403.0km s-min=29.9km az=71.0.
IDC **VI 02 18 06 15.6–4.4 0.64S 130.07E 0 3.4b,3.3** ¶610791114
IDC Error ellipse: s-maj=333.3km s-min=28.8km az=70.0.
IDC **VI 06 00 31 17.6–3.9 3.90S 131.57E 0 3.8b,3.5s** ¶610791308
IDC Error ellipse: s-maj=291.4km s-min=27.5km az=73.0.
ISC **VI 08 06 44 12.6–.68 1.88S–.06 140.54E–.08 10 4.4b,3.3s 48 1-88**
IDC VI 08 06 44 09.6–1.1 1.89S 140.81E 0 4.8L,4.3 ¶610791444
NEIC VI 08 06 44 13.3–1.3 1.85S–.08 140.4E–.20 15–4 4.4b,4.3
DJA VI 08 06 44 13.6–2.3 2S–8.0 141E–8.0 16–13 5.5b,5.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DJA **VI 09 16 56 08.2–.70 4S–5.0 135E–4.0 10–6 4.7b,4.1** ¶615347522
IDC **VI 12 21 35 35.7–4.2 3.00S 131.07E 0 3.5,3.5b** ¶610791746
IDC Error ellipse: s-maj=292.6km s-min=30.4km az=72.0.
ISC **VI 15 15 05 27.9–.40 0.34S–.05 132.38E–.06 33 4.5b,3.4s 139 2-90**
IDC VI 15 15 05 22.7–.66 0.29S 132.46E 0 4.4L,4.2 ¶610675341
NEIC VI 15 15 05 27.9–1.3 0.36S–.05 132.42E–.09 34–5 4.5b,4.2
DJA VI 15 15 05 27.8–.40 0S–3.0 132E–3.0 47–4 5.3b,4.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC **VI 16 21 23 51.3–3.2 5.01S 135.00E 0 3.6b,3.5** ¶610792025
IDC Error ellipse: s-maj=142.8km s-min=32.2km az=79.0.
IDC **VI 17 05 45 09.4–18 0.45S 131.74E 0 3.6b,3.4** ¶610792046
IDC Error ellipse: s-maj=339.0km s-min=188.4km az=126.0.
ISC **VI 18 16 17 27.0–.43 3.59S–.03 131.23E–.04 22–3 5.1b,4.5s 739 1-157**
MOS VI 18 16 17 23.3–.78 3.50S 131.16E 10 5.2b,4.5s ¶616640014
IDC VI 18 16 17 23.8–.39 3.52S 131.19E 0 4.9,4.9b
BJI VI 18 16 17 23.0–.00 3.60S 131.20E 10 5.0b,4.8b
NEIC VI 18 16 17 25.8–1.1 3.52S–.05 131.21E–.05 13–3 5.2b,4.8b
GCMT VI 18 16 17 26.8–.10 3.46S–.01 131.34E–.01 15 5.2W,4.8b
DJA VI 18 16 17 28.9–.20 3S–2.0 131E–1.0 41–2 5.5b,5.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s89,c136; s133,c220;Duration: 1±0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.28±.01 $M_{\theta\theta}$0.20±.01; $M_{\phi\phi}$-0.47±.01; $M_{r\theta}$-0.41±.03; $M_{\theta\phi}$0.42±.01; $M_{\phi r}$0.57±.03; Best double couple: NP1:ϕ_s318.00000°,δ75.00000°,λ72.00000°. NP2:ϕ_s189.00000°,δ23.00000°,λ139.00000°. Principal axes: T 0.6830,Plg56.0000° ,Azm205.0000°; N 0.3590,Plg17.0000°,Azm322.0000°; P -1.0420,Plg28.0000°,Azm62.0000° $M_0$0.86300×10^{17}
DJA **VI 18 16 26 07.1–1.1 3S–3.0 131E–3.0 31–17 4.2b,4.0** ¶615348276
DJA **VI 18 16 54 38.2–1.4 3S–3.0 131E–3.0 24–15 4.2b,3.8** ¶615348274
DJA **VI 18 17 08 10.4–.30 3S–3.0 131E–3.0 78–6 4.4b,3.8** ¶615348273
ISC **VI 18 17 20 20.0–1.0 3.42S–.06 131.23E–.06 30 11 1-66**
IDC VI 18 17 20 15.4–1.7 3.46S 131.21E 0 3.6,3.5b ¶610792134
DJA VI 18 17 20 21.1–.30 3S–4.0 131E–3.0 41–28 3.7,3.7
ISC Event type ke.
ISC **VI 18 17 30 29.6–.73 3.52S–.06 131.30E–.06 24 3.7b,3.4s 19 1-70**
IDC VI 18 17 30 26.0–1.2 3.44S 131.34E 0 4.0L,3.9 ¶610792136
DJA VI 18 17 30 30.5–1.3 3S–4.0 131E–2.0 18–13 4.3b,4.2
ISC Event type ke.
ISC **VI 18 18 03 26.4–.00 3.47S–.07 131.16E–.07 35 14 1-66**
IDC VI 18 18 03 17.7–4.0 3.07S 133.21E 0 3.5,3.5b ¶615348269
DJA VI 18 18 03 27.6–1.0 3S–3.0 131E–3.0 33–18 4.8b,4.2b
ISC Event type ke.
DJA **VI 18 18 32 54.2–1.3 3S–4.0 131E–2.0 29–15 4.2b,3.8** ¶615348267
ISC **VI 18 21 24 30.5–.49 3.57S–.05 131.31E–.05 24 4.1b,3.1s 49 1-149**
IDC VI 18 21 24 26.9–.70 3.44S 131.44E 0 4.2,4.1b ¶610792147
DJA VI 18 21 24 31.8–.80 3S–3.0 131E–2.0 12–7 5.7b,5.2
ISC Event type ke.
IDC **VI 19 00 36 54.6–4.2 3.35S 131.12E 0 3.5,3.5b** ¶610792153
IDC Error ellipse: s-maj=285.1km s-min=35.1km az=91.0.
ISC **VI 21 17 50 58.7–1.1 0.2S–.10 130.54E–.09 10 4.0b 16 1-66**
DJA VI 21 17 50 52.7–1.1 0N–5.0 131E–4.0 19–9 5.2b,4.6 ¶610789221
IDC VI 21 17 50 56.3–1.2 0.18S 130.57E 0 3.8,3.8b
ISC Event type ke.
IDC Error ellipse: s-maj=41.6km s-min=16.5km az=55.0.
DJA **VI 21 20 44 51.4–.40 3S–3.0 131E–3.0 74–8 4.2b,3.8** ¶615350386
ISC **VI 22 00 12 11.0–1.4 3.6S–.10 131.1E–.10 30 7 1-66**
IDC VI 22 00 12 07.8–1.9 3.57S 131.37E 0 3.5,3.5b ¶610789236
DJA VI 22 00 12 15.0–.40 3S–3.0 131E–2.0 10 3.3,3.3
ISC Event type ke.
IDC **VI 27 22 42 28.8–2.7 5.03S 135.82E 0 3.7,3.6L** ¶610789602
IDC Error ellipse: s-maj=64.7km s-min=15.6km az=80.0.

(197) Near north coast of Irian Jaya.

ISC **I 01 00 45 56.3–.63 2.81S–.06 139.48E–.06 46 3.9b 33 1-87**
IDC I 01 00 45 49.5–1.3 2.75S 139.79E 0 4.3L,3.9 ¶610236342
DJA I 01 00 45 54.6–1.0 2S–8.0 140E–5.0 74–12 4.0,4.0
NEIC I 01 00 45 58.0–1.8 2.9S–.10 139.4E–.10 49–8 4.1b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC **I 01 03 59 28.6–5.1 2.77S 139.24E 0 3.8L,3.6** ¶610236350
IDC Error ellipse: s-maj=202.1km s-min=31.7km az=87.0.
ISC **I 06 22 37 15.2–.76 2.55S–.07 139.44E–.07 27 3.9b 23 1-87**
IDC I 06 22 37 14.1–2.5 2.84S 139.12E 0 3.9L,3.6 ¶610236861
NEIC I 06 22 37 16.0–1.5 2.6S–.10 139.49E–.10 48–11 4.0b,3.6
DJA I 06 22 37 17.7–.50 3S–6.0 140E–4.0 10 4.2,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC **I 12 06 26 22.5–4.6 2.83S 139.65E 0 3.7L,3.3** ¶610237226
IDC Error ellipse: s-maj=175.8km s-min=31.8km az=88.0.
ISC **I 18 11 23 25.7–.69 2.75S–.07 139.48E–.08 27 4.0b 23 1-100**
DJA I 18 11 23 25.1–.70 3S–8.0 139E–7.0 12–11 5.4b,4.8 ¶610237661
IDC I 18 11 23 32.1–2.8 2.72S 139.26E 78–25 4.1,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=26.0km s-min=12.7km az=91.0.
IDC **I 19 01 16 48.8–2.7 2.79S 139.54E 0 4.2L,3.7** ¶610237697
IDC Error ellipse: s-maj=87.2km s-min=25.3km az=92.0.
IDC **I 22 09 04 52.0–2.8 1.79S 138.27E 0 4.3L,3.7** ¶610235095
IDC Error ellipse: s-maj=120.0km s-min=28.4km az=81.0.
IDC **I 24 04 17 56.5–4.6 2.62S 140.27E 0 4.0L,3.5** ¶610235239
IDC Error ellipse: s-maj=174.2km s-min=30.1km az=89.0.
ISC **I 30 18 22 24.6–.96 2.30S–.08 139.90E–.07 25 3.7b 12 0-85**
IDC I 30 18 22 21.2–1.7 2.44S 139.84E 0 3.6,3.6b ¶610235753
DJA I 30 18 22 22.5–.60 2S–4.0 140E–4.0 12–4 4.0,4.0
ISC Event type ke.
ISC **II 04 02 17 36.2–.34 2.55S–.05 139.98E–.04 25 4.7b,3.5s 145 0-149**
IDC II 04 02 17 32.4–.49 2.51S 139.98E 0 4.8L,4.5 ¶610195879
DJA II 04 02 17 35.8–.60 2S–4.0 140E–4.0 24–3 5.8,5.7
NEIC II 04 02 17 38.9–1.5 2.58S–.10 139.85E–.09 42–6 4.7b,5.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC **II 08 04 17 27.7–.99 2.89S–.08 139.44E–.05 35 3.9s 11 1-74**
IDC II 08 04 17 22.4–4.9 2.79S 139.85E 0 4.1L,3.8 ¶610415087
DJA II 08 04 17 25.3–1.5 2S–22 140E–10 83–9 4.3,4.2
ISC Event type ke.
ISC **II 08 10 51 28.3–.31 2.77S–.04 139.21E–.04 35 4.8b,4.3s 217 1-147**
IDC II 08 10 51 22.7–.50 2.67S 139.21E 0 4.6L,4.5 ¶610199145
DJA II 08 10 51 25.8–.60 3S–3.0 139E–2.0 16–6 5.5b,5.4
BJI II 08 10 51 26.4–.00 2.82S 138.67E 15 5.1b,5.1s
GCMT II 08 10 51 28.9–.30 2.58S–.01 139.34E–.02 25–1 5.0W,5.1s
NEIC II 08 10 51 29.9–1.9 2.83S–.08 139.09E–.05 46–7 4.9b,5.1s
ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s23,c29; s74,c97;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.83±.18 $M_{\theta\theta}$0.90±.13; $M_{\phi\phi}$-1.73±.16; $M_{r\theta}$-1.67±.32; $M_{\theta\phi}$3.10±.10; $M_{\phi r}$0.22±.29; Best double couple: NP1:ϕ_s284.00000°,δ81.00000°,λ29.00000°. NP2:ϕ_s190.00000°,δ62.00000°,λ170.00000°. Principal axes: T 3.5770,Plg26.0000° ,Azm151.0000°; N 0.4650,Plg60.0000°,Azm300.0000°; P -4.0460,Plg13.0000°,Azm54.0000° $M_0$3.81100×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC **II 08 15 20 07.3–5.3 2.91S 140.12E 0 3.7L,3.6** ¶610415130
IDC Error ellipse: s-maj=204.1km s-min=29.8km az=89.0.
ISC **II 09 02 21 50.3–.47 2.32S–.04 140.91E–.04 26–3 5.2b,4.4s 756 1-160**
IDC II 09 02 21 46.3–.38 2.26S 140.93E 0 5.0,5.0L ¶610205758
MOS II 09 02 21 47.5–.85 2.28S 140.90E 19 5.4b,5.0L
BJI II 09 02 21 47.7–.00 2.35S 141.17E 32 5.5b,5.1b
NEIC II 09 02 21 49.6–1.8 2.25S–.07 140.89E–.07 18–3 5.3b,5.1b
GCMT II 09 02 21 50.6–.10 2.23S–.01 140.90E–.01 16–0 5.3W,5.1b
DJA II 09 02 21 52.7–.40 2S–3.0 141E–2.0 41–3 5.6b,5.3
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s310.56552°,δ54.63191°,λ-90.28594°. NP2: ϕ_s131.05953°,δ35.36910°,λ-89.59718°. Principal axes: T Plg9.6315°,Azm40.7706° ; N Plg0.2332°,Azm310.7310°; P Plg80.3656°,Azm219.3573°
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s122,c184; s146,c263;Duration: 1±1 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.10±.02 $M_{\theta\theta}$1.00±.01; $M_{\phi\phi}$0.09±.01; $M_{r\theta}$0.38±.04; $M_{\theta\phi}$-0.31±.01; $M_{\phi r}$0.04±.04; Best double couple: NP1:ϕ_s280.00000°,δ54.00000°,λ-99.00000°. NP2:ϕ_s114.00000°,δ36.00000°,λ-78.00000°. Principal axes: T 1.1520,Plg9.0000° ,Azm16.0000°; N 0.0200,Plg7.0000°,Azm285.0000°; P -1.1750,Plg79.0000°,Azm158.0000° $M_0$1.16300×10^{17}
IDC **II 09 13 27 24.2–2.4 1.33S 138.64E 0 4.3L,3.9** ¶610415173
IDC Error ellipse: s-maj=75.4km s-min=22.8km az=71.0.
IDC **II 10 10 41 11.5–4.8 2.93S 139.44E 0 3.3L,3.2** ¶610415230
IDC Error ellipse: s-maj=185.4km s-min=33.7km az=87.0.
ISC **II 12 09 32 31.3–.35 2.28S–.04 139.06E–.04 46–2 5.0b,4.5s 377 0-151**
IDC II 12 09 32 24.7–.48 2.17S 139.27E 0 4.7,4.7b ¶610208511
MOS II 12 09 32 27.7–.83 2.16S 139.19E 33 5.2b,4.7b
DJA II 12 09 32 29.6–.30 2S–2.0 139E–2.0 38–3 5.7b,5.5
GCMT II 12 09 32 29.7–.20 2.05S–.02 139.11E–.02 20–1 5.1W,5.5
NEIC II 12 09 32 32.7–2.0 2.24S–.09 139.01E–.08 49–5 5.1b,5.5
ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s57,c65; s81,c117;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.31±.17 $M_{\theta\theta}$-0.81±.10; $M_{\phi\phi}$3.12±.14; $M_{r\theta}$-2.32±.31; $M_{\theta\phi}$-0.32±.07; $M_{\phi r}$4.88±.48; Best double couple: NP1:ϕ_s156.00000°,δ78.00000°,λ-102.00000°. NP2:ϕ_s20.00000°,δ17.00000°,λ-47.00000°. Principal axes: T 6.2990,Plg32.0000° ,Azm256.0000°; N -0.4250,Plg11.0000°,Azm159.0000°; P -5.8700,Plg56.0000° ,Azm51.0000° $M_0$6.08500×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC **II 13 20 40 31.2–.48 2.37S–.05 139.02E–.06 10 4.6b 60 0-147**
IDC II 13 20 40 28.6–.85 2.58S 139.17E 0 4.2,4.2b ¶610415469
DJA II 13 20 40 33.0–.50 2S–5.0 139E–4.0 56–5 4.6,4.6
NEIC II 13 20 40 37.7–1.8 2.65S–.09 138.84E–.07 58–7 4.5b,4.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC **II 15 23 56 01.6–1.7 2.69S 139.34E 0 3.8,3.8b** ¶610415593
IDC Error ellipse: s-maj=57.7km s-min=26.8km az=89.0.

ISC II 17 11 21 29.4–.39 2.47S–.03 140.06E–.04 24–2 5.2b,4.4s 913 0-160
BJI II 17 11 21 25.8–.00 2.77S 140.29E 29 5.1b,5.1b ¶610224168
IDC II 17 11 21 25.8–.38 2.41S 140.11E 0 4.9,4.9b
MOS II 17 11 21 26.2–.78 2.44S 140.04E 14 5.3b,4.9b
NEIC II 17 11 21 28.9–1.6 2.44S–.07 140.02E–.06 15–1 5.3b,5.1
DJA II 17 11 21 28.8–.30 2S–3.0 140E–2.0 17–2 5.5b,5.2b
GCMT II 17 11 21 29.9–.10 2.30S–.01 140.24E–.01 15 5.3W,5.2b
ISC Event type se. Moment Tensor Solution. NP1:ϕs318.40732°,δ64.71518°,λ120.42541°. NP2: ϕs84.43446°,δ38.76888°,λ43.00805°. Principal axes: T Plg58.5762°,Azm271.7872° ; N Plg27.2516°,Azm124.3256°; P Plg14.4359°,Azm26.7062°
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; Mrr3.14 Mθθ-2.13 Mϕϕ-1.01 Mrθ-0.02 Mθϕ4.00 Mϕr3.82 NP1:ϕs97.18000°,δ42.21000°,λ30.73000°. NP2:ϕs343.41000°,δ69.92000° ,λ127.94000°. Principal axes: T 6.0086,Plg50.0000°,Azm296.0000°; N 0.3459,Plg35.0000° ,Azm148.0000°; P -6.3545,Plg16.0000°,Azm46.0000° M0 6.19000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s76,c101; s120,c184;Duration: 0 Moment tensor: Scale 10^{17}Nm; Mrr0.20±.01 Mθθ-0.04±.01; Mϕϕ-0.16±.01; Mrθ-0.04±.03; Mθϕ0.49±.01; Mϕr0.84±.03; Best double couple: NP1:ϕs356.00000°,δ83.00000°,λ118.00000°. NP2:ϕs98.00000°,δ29.00000°,λ15.00000°. Principal axes: T 0.9600,Plg45.0000° ,Azm294.0000°; N 0.0590,Plg28.0000°,Azm172.0000°; P -1.0180,Plg32.0000°,Azm62.0000° M0 0.98900×10^{17}
IDC II 17 11 55 57.1–4.0 2.43S 140.04E 0 3.5L,3.4 ¶610415689
IDC Error ellipse: s-maj=150.2km s-min=29.9km az=88.0.
IDC II 17 13 30 17.4–3.9 2.33S 140.59E 0 3.7L,3.4 ¶610415698
IDC Error ellipse: s-maj=151.2km s-min=30.7km az=89.0.
IDC II 20 02 06 32.2–6.6 2.70S 139.57E 0 3.3L,3.2 ¶610384663
IDC Error ellipse: s-maj=262.2km s-min=33.4km az=87.0.
ISC II 22 17 11 39.9–.99 2.3S–.10 139.02E–.07 37 3.7b 9 0-85
IDC II 22 17 11 34.1–1.6 2.49S 139.35E 0 3.5L,3.4 ¶610384821
DJA II 22 17 11 39.0–.70 2S–7.0 139E–5.0 26–6 3.9b,3.8
ISC Event type ke.
ISC III 02 13 13 31.1–.93 2.3S–.10 139.16E–.07 35 3.7b 11 1-72
IDC III 02 13 13 23.5–2.9 2.28S 139.73E 0 3.8L,3.7 ¶610545389
DJA III 02 13 13 29.9–.90 2S–13 139E–5.0 23–7 4.3b,4.1
ISC Event type ke.
IDC III 03 03 35 53.2–5.0 2.64S 139.30E 0 3.6L,3.4 ¶610545424
IDC Error ellipse: s-maj=198.4km s-min=29.9km az=87.0.
ISC III 09 03 16 54.4–1.1 2.7S–.10 139.1E–.40 37 3.8b 7 18-86
IDC III 09 03 16 48.8–1.4 2.62S 139.20E 0 3.8,3.8b ¶610545850
ISC Event type ke.
IDC Error ellipse: s-maj=69.4km s-min=22.3km az=86.0.
IDC III 09 05 12 25.1–9.6 2.62S 139.07E 0 4.6L,3.2 ¶610545855
IDC Error ellipse: s-maj=397.4km s-min=33.7km az=86.0.
ISC III 12 02 14 19.0–.40 2.96S–.05 139.07E–.05 46 4.4b,3.7s 89 1-147
DJA III 12 02 14 18.1–.50 3S–3.0 139E–2.0 36–6 5.5b,5.0 ¶610325558
NEIC III 12 02 14 18.8–1.4 3.0S–.10 138.87E–.09 43–8 4.4b,5.0
IDC III 12 02 14 20.8–4.4 2.81S 139.09E 67–40 4.2,3.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.2km s-min=11.3km az=209.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=34.4km s-min=18.7km az=66.0.
IDC III 12 10 29 23.2–2.5 2.83S 140.60E 0 3.5,3.5b ¶610546073
IDC Error ellipse: s-maj=113.0km s-min=25.0km az=87.0.
ISC III 13 07 15 54.5–.48 2.10S–.04 140.57E–.05 30–3 5.0b,4.2s 334 1-147
IDC III 13 07 15 49.5–.48 2.06S 140.41E 0 4.5,4.5b ¶610326090
MOS III 13 07 15 52.0–1.1 2.06S 140.46E 28 5.1b,4.5b
GCMT III 13 07 15 53.8–.20 1.90S–.01 140.52E–.02 15–0 5.0W,4.5b
NEIC III 13 07 15 53.8–2.1 2.03S–.08 140.67E–.07 28–4 5.1b,4.5b
DJA III 13 07 15 55.3–.50 2S–3.0 141E–3.0 31–3 5.8,5.6
BJI III 13 07 15 55.0–.00 2.00S 140.70E 20 5.2b,4.9b
ISC Event type se. Moment Tensor Solution. NP1:ϕs65.76170°,δ7.98696°,λ-85.39920°. NP2: ϕs241.11603°,δ82.03894°,λ-90.64481°. Principal axes: T Plg37.0358°,Azm331.6872° ; N Plg0.6386°,Azm241.2053°; P Plg52.9568°,Azm150.3591°
IDC Error ellipse: s-maj=19.4km s-min=10.0km az=89.0.
MOS Error ellipse: s-maj=11.9km s-min=5.9km az=103.5.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s50,c57; s105,c146;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr-2.90±.13 Mθθ3.10±.09; Mϕϕ-0.19±.09; Mrθ2.15±.29; Mθϕ0.22±.07; Mϕr0.61±.31; Best double couple: NP1:ϕs259.00000°,δ63.00000°,λ-97.00000°. NP2:ϕs94.00000°,δ27.00000°,λ-76.00000°. Principal axes: T 3.8300,Plg18.0000° ,Azm354.0000°; N -0.1560,Plg6.0000°,Azm262.0000°; P -3.6680,Plg71.0000° ,Azm153.0000° M0 3.74900×10^{16}
NEIC Event type se. Error ellipse: s-maj=14.4km s-min=6.2km az=215.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC III 15 14 35 32.4–7.4 1.83S 137.03E 0 3.4L,3.2 ¶610546253
IDC Error ellipse: s-maj=339.1km s-min=31.0km az=82.0.
IDC III 16 12 54 41.7–4.9 2.67S 139.61E 0 3.3,3.3b ¶610546314
IDC Error ellipse: s-maj=192.6km s-min=31.0km az=88.0.
ISC III 18 15 06 01.5–.32 2.66S–.04 139.23E–.04 37 4.7b,4.0s 199 1-147
IDC III 18 15 05 56.1–.54 2.68S 139.17E 0 4.5,4.5b ¶610345903
DJA III 18 15 06 00.0–.20 3S–3.0 139E–2.0 10 5.2b,5.1
NEIC III 18 15 06 02.5–1.6 2.68S–.09 139.18E–.08 49–6 4.7b,5.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC III 18 18 40 20.0–4.9 2.62S 139.00E 0 3.2L,3.1 ¶610546468
IDC Error ellipse: s-maj=192.1km s-min=32.7km az=87.0.
IDC III 21 10 13 22.5–4.4 2.64S 139.51E 0 3.7,3.6b ¶610543396
IDC Error ellipse: s-maj=172.1km s-min=27.6km az=88.0.
ISC III 22 18 27 00.8–.70 2.69S–.06 139.09E–.05 35 4.0b,3.0s 39 1-86
IDC III 22 18 26 54.4–1.2 2.68S 139.36E 0 3.9,3.9b ¶610543481
DJA III 22 18 26 57.4–2.4 2S–9.0 140E–5.0 16–18 4.4,4.3
NEIC III 22 18 27 02.9–.87 2.78S–.07 139.1E–.10 47–14 4.0b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 24 17 56 19.6–.55 2.16S–.08 139.40E–.05 27 4.3b,3.4s 44 1-85
DJA III 24 17 56 15.8–.80 2S–8.0 140E–5.0 10 4.5b,4.4 ¶610543613
IDC III 24 17 56 16.5–1.1 2.17S 139.27E 0 3.9,3.9L
NEIC III 24 17 56 22.5–1.1 2.20S–.07 139.33E–.08 46–6 4.4b,3.9L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC III 27 07 02 02.5–5.5 2.62S 139.08E 0 3.6,3.5b ¶610543783
IDC Error ellipse: s-maj=224.2km s-min=29.3km az=86.0.
IDC III 29 05 11 34.5–4.9 2.36S 139.72E 0 3.7,3.7L ¶610543899
IDC Error ellipse: s-maj=192.4km s-min=27.8km az=88.0.
IDC IV 01 03 45 17.1–4.6 2.52S 139.03E 0 3.7s,3.3 ¶610651676
IDC Error ellipse: s-maj=181.7km s-min=31.7km az=87.0.
IDC IV 01 05 45 53.4–5.0 2.55S 139.13E 0 3.4,3.3b ¶610651684
IDC Error ellipse: s-maj=201.6km s-min=30.8km az=87.0.
ISC IV 02 17 54 37.3–.63 2.17S–.08 139.18E–.05 35 3.9b 52 1-99
IDC IV 02 17 54 32.0–.94 2.10S 139.31E 0 3.8,3.8b ¶610651773
DJA IV 02 17 54 35.8–.60 2S–5.0 139E–3.0 22–5 5.1b,4.8
ISC Event type ke.
IDC IV 02 21 29 13.4–4.8 2.63S 139.35E 0 3.6,3.5b ¶610651776
IDC Error ellipse: s-maj=189.8km s-min=30.2km az=87.0.
ISC IV 04 14 44 54.7–2.0 2.8S–.20 140.5E–.20 10 9 0-71
IDC IV 04 14 44 49.5–4.0 2.40S 141.60E 0 3.8L,3.5 ¶610651926
DJA IV 04 14 44 54.7–1.0 3S–6.0 140E–10 10 4.2b,4.0
ISC Event type ke.
IDC IV 09 07 40 52.7–9.4 2.56S 139.20E 0 3.3,3.3b ¶610652287
IDC Error ellipse: s-maj=390.5km s-min=33.1km az=86.0.
ISC IV 11 00 12 52.7–1.1 2.7S–.10 139.3E–.30 10 4.0b,3.5s 9 17-137
IDC IV 11 00 12 51.2–1.1 2.65S 139.28E 0 4.0,4.0b ¶610652419
ISC Event type ke.
IDC Error ellipse: s-maj=47.1km s-min=20.8km az=83.0.
IDC IV 11 07 21 47.7–5.9 2.92S 139.02E 0 3.5L,3.4 ¶610652436
IDC Error ellipse: s-maj=241.2km s-min=31.4km az=86.0.
DJA IV 11 15 29 39.0–.60 2S–8.0 140E–4.0 26–5 4.6b,4.0 ¶615346143
IDC IV 12 11 53 16.6–6.4 1.65S 139.63E 0 3.9L,3.8 ¶610652552
IDC Error ellipse: s-maj=217.8km s-min=72.3km az=121.0.
ISC IV 14 05 30 34.1–1.1 1.51S–.09 138.82E–.06 10 3.9b 11 0-99
IDC IV 14 05 30 31.4–3.5 1.54S 139.00E 0 3.8,3.8L ¶610652684
DJA IV 14 05 30 35.4–1.4 2S–9.0 139E–4.0 14–6 4.2,4.2
ISC Event type ke.
IDC IV 19 20 59 52.7–7.6 2.53S 140.88E 0 3.1,3.1b ¶610653074
IDC Error ellipse: s-maj=289.7km s-min=33.6km az=89.0.
IDC IV 24 01 41 58.5–2.6 2.11S 139.59E 0 3.8b,3.7 ¶610649848
IDC Error ellipse: s-maj=228.6km s-min=36.4km az=108.0.
IDC IV 24 15 57 13.9–1.9 2.22S 140.82E 0 3.4L,3.3 ¶610649902
IDC Error ellipse: s-maj=53.3km s-min=30.8km az=107.0.
IDC IV 27 18 10 21.0–1.9 2.67S 139.19E 0 3.6,3.6b ¶610650153
IDC Error ellipse: s-maj=57.2km s-min=26.8km az=73.0.
IDC V 01 19 50 06.4–4.3 2.44S 140.18E 0 3.6L,3.4 ¶610689336
IDC Error ellipse: s-maj=162.8km s-min=28.9km az=88.0.
IDC V 01 19 53 43.3–4.5 2.37S 139.93E 0 3.4L,3.3 ¶610689337
IDC Error ellipse: s-maj=168.1km s-min=31.5km az=88.0.
ISC V 09 15 40 14.5–.98 1.8S–.10 139.10E–.06 10 3.9b 26 0-79
NEIC V 09 15 40 12.5–2.2 1.7S–.10 139.35E–.09 10–2 4.0b ¶610689901
IDC V 09 15 40 13.2–1.0 1.81S 139.18E 0 3.9L,3.8
DJA V 09 15 40 14.3–.80 2S–9.0 139E–4.0 10 6.2b,5.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 10 06 50 07.2–.80 2.53S–.06 140.24E–.05 29–5 4.1b,3.4s 51 0-147
IDC V 10 06 50 03.2–.64 2.60S 140.08E 0 4.3L,4.1 ¶610689946
NEIC V 10 06 50 05.9–2.1 2.55S–.07 140.19E–.06 11–9 4.2b,4.1
DJA V 10 06 50 06.5–.50 2S–9.0 140E–4.0 13–6 4.4,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 10 07 23 40.1–1.1 2.5S–.10 140.26E–.06 25–9 10 0-71
IDC V 10 07 23 31.9–2.2 2.44S 141.59E 0 3.7,3.7b ¶610689948
DJA V 10 07 23 38.3–1.5 3S–26 140E–3.0 28–3 3.3,3.3
ISC Event type ke.
ISC V 11 17 05 12.9–.84 2.4S–.10 139.18E–.07 10 3.4b 13 1-70
IDC V 11 17 05 11.5–1.2 2.39S 139.13E 0 3.3,3.3b ¶610690069
DJA V 11 17 05 13.5–.60 2S–19 139E–6.0 12–8 4.6b,3.9
ISC Event type ke.
ISC V 23 20 59 55.2–.48 2.55S–.06 139.71E–.05 27 4.5b,3.4s 78 0-147
IDC V 23 20 59 51.7–1.0 2.34S 139.66E 0 4.3L,4.1 ¶610650850
DJA V 23 20 59 53.9–.30 2S–5.0 140E–3.0 10 6.0b,5.7
NEIC V 23 20 59 58.3–1.5 2.6S–.10 139.52E–.06 44–6 4.4b,5.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC V 25 03 59 44.1–8.4 2.78S 140.92E 0 3.5L,3.3 ¶610685332
IDC Error ellipse: s-maj=322.7km s-min=33.5km az=89.0.
IDC V 27 07 44 06.1–1.5 2.52S 140.36E 0 4.3L,4.0 ¶610685485
IDC Error ellipse: s-maj=66.7km s-min=23.4km az=92.0.
ISC V 29 04 18 30.1–.79 2.56S–.08 139.78E–.05 25 3.9b,3.4s 28 0-99
DJA V 29 04 18 28.9–1.1 2S–14 140E–18 24–16 4.4,4.4 ¶610685585
IDC V 29 04 18 30.1–2.1 2.58S 138.95E 0 3.9,3.9L
NEIC V 29 04 18 32.1–1.1 2.61S–.09 139.7E–.10 35–1 4.0b,3.9L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC V 30 22 26 47.5–4.1 2.68S 140.72E 0 4.1s,3.5L ¶610685753
IDC Error ellipse: s-maj=141.3km s-min=33.2km az=89.0.
ISC VI 13 10 53 12.1–.78 2.58S–.08 139.24E–.04 35 3.6b 16 1-86
IDC VI 13 10 53 07.0–1.2 2.57S 139.39E 0 3.7,3.7b ¶610791771
DJA VI 13 10 53 10.9–.90 3S–8.0 139E–2.0 29–10 4.2b,4.0
ISC Event type ke.
ISC VI 18 03 25 01.0–1.2 1.8S–.10 139.21E–.05 29 11 1-69
IDC VI 18 03 24 56.2–5.5 1.89S 139.78E 0 3.6L,3.5s ¶610792091
DJA VI 18 03 24 59.8–1.3 3S–10 139E–3.0 15–9 3.9,3.9
ISC Event type ke.
ISC VI 22 10 12 27.3–.74 2.37S–.08 140.33E–.05 24 4.1b,3.6s 35 0-147
DJA VI 22 10 12 27.6–.50 2S–5.0 140E–3.0 23–4 4.4b,4.2 ¶610789268
NEIC VI 22 10 12 28.4–1.1 2.3S–.20 140.37E–.07 32–11 4.2b,4.2
IDC VI 22 10 12 30.2–2.1 2.64S 140.39E 29–17 4.1,4.1L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=31.7km s-min=8.1km az=192.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=33.6km s-min=17.8km az=87.0.
ISC VI 26 17 03 34.2–.72 1.65S–.08 138.76E–.06 10 4.2b 52 0-88
IDC VI 26 17 03 32.7–.89 1.68S 138.76E 0 4.2,3.9b ¶610789521
NEIC VI 26 17 03 33.2–1.6 1.6S–.10 138.9E–.10 10–2 4.3b,3.9b
DJA VI 26 17 03 33.9–2.8 1S–24 139E–6.0 13–14 4.4,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 28 18 57 23.4–.84 2.2S–.10 139.22E–.08 29 3.9b 16 1-147
IDC VI 28 18 57 19.5–.91 2.13S 139.17E 0 4.0,4.0L ¶610789662
DJA VI 28 18 57 21.6–1.0 2S–19 139E–5.0 12–6 4.3,4.3b
ISC Event type ke.
IDC VI 29 16 27 08.8–1.6 2.61S 140.16E 0 3.0,3.0b ¶610789731
IDC Error ellipse: s-maj=33.7km s-min=10.6km az=166.0.
DJA VI 30 22 21 13.3–.80 1S–7.0 137E–2.0 11–6 4.1b,3.9 ¶615350495

(198) Ninigo Islands region.

IDC IV 14 02 55 49.7–1.8 1.90S 141.19E 0 4.0L,3.7 ¶610652674
IDC Error ellipse: s-maj=134.9km s-min=29.1km az=110.0.

(199) Admiralty Islands region.

IDC I 27 04 57 50.9–5.5 2.66S 147.99E 0 3.3,3.3b ¶610235435
IDC Error ellipse: s-maj=173.8km s-min=37.6km az=97.0.
IDC II 21 22 57 23.1–8.8 2.21S 148.30E 0 3.3,3.3b ¶610384778
IDC Error ellipse: s-maj=291.9km s-min=34.3km az=98.0.
IDC II 23 23 35 50.0–5.4 0.48S 147.49E 0 3.7s,3.7 ¶610384908
IDC Error ellipse: s-maj=178.3km s-min=34.4km az=96.0.
IDC II 24 01 05 15.4–2.2 2.51S 146.29E 0 3.5,3.5b ¶610384911
IDC Error ellipse: s-maj=414.7km s-min=32.8km az=118.0.
IDC IV 17 18 40 58.7–1.9 2.51S 145.62E 0 4.0s,3.6 ¶610652942
IDC Error ellipse: s-maj=130.1km s-min=30.2km az=117.0.
IDC V 27 12 32 56.6–9.6 0.19S 146.22E 0 3.3,3.3b ¶610685496
IDC Error ellipse: s-maj=334.0km s-min=36.4km az=94.0.

(200) Near north coast of New Guinea.

ISC I 16 08 43 47.6–.97 4.5S–.10 144.4E–.20 100 3.4b 8 6-85
IDC I 16 08 43 50.8–6.7 4.63S 144.49E 136–72 3.6,3.1b ¶610237501
ISC Event type ke.
IDC Error ellipse: s-maj=55.9km s-min=27.3km az=143.0.
ISC I 21 03 03 53.7–.95 5.0S–.10 144.5E–.20 150 3.8b 8 5-86
IDC I 21 03 03 52.9–6.1 4.94S 144.44E 140–68 4.0,3.6b ¶610234971
ISC Event type ke.
IDC Error ellipse: s-maj=53.5km s-min=24.4km az=135.0.
IDC I 25 00 54 10.1–2.0 4.21S 145.29E 0 3.8L,3.5 ¶610235292
IDC Error ellipse: s-maj=131.0km s-min=30.8km az=118.0.
ISC II 02 09 20 08.6–1.1 2.3S–.10 141.7E–.40 29 3.6b 10 9-146
IDC II 02 09 20 05.2–1.0 2.32S 141.29E 0 3.6,3.6b ¶610414664
ISC Event type ke.
IDC Error ellipse: s-maj=48.0km s-min=15.3km az=99.0.
ISC II 04 13 36 21.8–.77 4.68S–.10 144.5E–.20 100 3.8b 11 5-85
IDC II 04 13 36 18.7–3.2 4.59S 144.47E 67–32 4.0,3.7L ¶610414821
ISC Event type ke.
IDC Error ellipse: s-maj=26.4km s-min=19.1km az=69.0.
IDC II 09 23 59 51.9–1.8 2.21S 141.02E 0 3.9L,3.7 ¶610415205
IDC Error ellipse: s-maj=124.4km s-min=29.7km az=110.0.
ISC II 12 03 10 58.9–.65 3.55S–.06 145.5E–.10 35 4.4b,3.4s 49 6-143
NEIC II 12 03 10 56.6–1.4 3.82S–.10 146.0E–.10 31–6 4.5b,3.4s ¶610415350
IDC II 12 03 11 00.9–2.6 3.53S 145.54E 57–25 4.5L,4.2
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.8km s-min=13.6km az=120.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=28.4km s-min=12.6km az=95.0.
IDC II 17 11 35 18.9–7.2 2.40S 141.92E 0 3.6L,3.4 ¶610415688
IDC Error ellipse: s-maj=266.0km s-min=31.5km az=90.0.
IDC II 27 04 54 58.3–1.7 2.79S 141.66E 0 3.5,3.5b ¶610385093
IDC Error ellipse: s-maj=72.2km s-min=26.6km az=99.0.
ISC III 09 05 00 46.5–.88 3.32S–.10 144.0E–.10 35 3.6b,3.2s 20 7-87
IDC III 09 05 00 40.9–1.3 3.28S 143.95E 0 3.9L,3.6 ¶610545854
NEIC III 09 05 00 50.0–.88 3.9S–.10 144.1E–.20 34–4 4.1b,3.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC III 15 00 40 55.7–8.6 2.51S 141.86E 0 3.3L,3.1 ¶610546223
IDC Error ellipse: s-maj=320.8km s-min=34.6km az=90.0.
ISC III 18 21 20 34.6–.39 2.99S–.06 142.09E–.06 30 4.6b,3.7s 86 2-147
IDC III 18 21 20 29.9–.81 2.95S 142.23E 0 4.0,4.0b ¶610345818
NEIC III 18 21 20 32.1–1.4 2.93S–.05 142.11E–.07 10–1 4.7b,4.0b
DJA III 18 21 20 38.5–1.3 3S–8.0 142E–9.0 43–10 4.8b,4.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC III 19 05 30 49.0–3.9 2.22S 141.29E 0 3.9L,3.7 ¶610546492
IDC Error ellipse: s-maj=131.5km s-min=31.8km az=88.0.
IDC III 22 18 16 51.4–7.2 4.69S 145.64E 103–75 3.5,3.2b ¶610543480
IDC Error ellipse: s-maj=55.9km s-min=31.5km az=141.0.
ISC III 25 05 03 51.9–.71 4.45S–.08 144.5E–.10 100 3.8b 22 6-85
IDC III 25 05 03 52.2–3.6 4.39S 144.48E 108–34 4.1,3.7b ¶610543627
ISC Event type ke.
IDC Error ellipse: s-maj=28.8km s-min=17.1km az=88.0.
IDC III 29 05 20 56.8–3.7 4.70S 145.34E 0 3.6L,3.5 ¶610543901
IDC Error ellipse: s-maj=92.6km s-min=31.5km az=94.0.
ISC III 31 21 55 17.2–.47 3.49S–.05 145.64E–.08 23 4.5b,3.8s 73 2-143
IDC III 31 21 55 13.2–.63 3.45S 145.48E 0 4.2,4.1b ¶610468879
NEIC III 31 21 55 18.1–2.0 3.39S–.08 145.6E–.10 25–6 4.7b,4.1b
DJA III 31 21 55 30.8–3.4 4S–24 145E–15 83–19 4.6,4.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 02 23 31 05.2–.46 3.87S–.06 143.67E–.08 132 4.1b 62 6-149
IDC IV 02 23 31 03.8–3.3 3.84S 143.70E 118–34 4.1,3.7b ¶610651781
NEIC IV 02 23 31 05.3–1.1 3.7S–.10 143.62E–.09 120–11 4.3b,3.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IV 03 01 19 10.4–2.0 3.61S 143.95E 0 3.6,3.6b ¶610651785
IDC Error ellipse: s-maj=106.7km s-min=29.4km az=109.0.
IDC IV 07 23 11 43.2–1.7 3.59S 142.13E 0 3.5L,3.4 ¶610652183
IDC Error ellipse: s-maj=72.4km s-min=27.8km az=104.0.
IDC IV 13 15 36 01.5–2.4 4.88S 145.56E 0 3.5,3.3b ¶610652645
IDC Error ellipse: s-maj=368.5km s-min=32.0km az=120.0.
IDC IV 14 03 33 24.1–1.8 2.04S 141.62E 0 4.0L,3.8 ¶610652678
IDC Error ellipse: s-maj=129.4km s-min=29.3km az=111.0.
IDC IV 15 17 54 15.5–4.4 4.60S 144.92E 229–92 3.7,2.9b ¶610652810
IDC Error ellipse: s-maj=116.6km s-min=31.2km az=92.0.
IDC IV 20 22 44 13.4–7.7 4.89S 144.74E 73–82 3.6,3.2b ¶610653141
IDC Error ellipse: s-maj=54.0km s-min=32.2km az=138.0.
IDC IV 23 21 53 53.6–12 3.93S 145.74E 0 3.8L,3.6 ¶610649834
IDC Error ellipse: s-maj=412.1km s-min=34.9km az=98.0.
ISC IV 30 16 27 50.0–.61 3.48S–.09 145.7E–.10 10 4.1s,3.8b 18 6-99
IDC IV 30 16 27 48.5–.82 3.47S 145.71E 0 4.0s,3.9 ¶610650431
GCMT IV 30 16 27 54.0–.20 3.32S–.01 145.57E–.02 14–1 4.9W,3.9
ISC Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. Moment Tensor Solution. s22,c23; s99,c146;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.07±.11 $M_{\theta\theta}$-0.01±.09; $M_{\phi\phi}$-0.05±.10; $M_{r\theta}$0.20±.19; $M_{\theta\phi}$2.61±.09; $M_{\phi r}$0.03±.19; Best double couple: NP1:ϕ_s90.00000°,δ89.00000°,λ4.00000°. NP2:ϕ_s0.00000°,δ86.00000°,λ179.00000°. Principal axes: T 2.5850,Plg4.0000°,Azm315.0000°; N 0.0650,Plg86.0000°,Azm100.0000°; P -2.6500,Plg3.0000°,Azm225.0000° $M_0$2.61800×10^{16}
ISC V 11 23 24 29.3–1.3 2.8S–.10 141.5E–.20 10 3.6b 6 1-85
IDC V 11 23 24 27.7–1.3 2.82S 141.55E 0 3.5,3.5b ¶610690086
ISC Event type ke.
IDC Error ellipse: s-maj=27.4km s-min=13.2km az=22.0.
IDC V 23 17 09 41.1–5.0 2.46S 141.44E 49–39 3.7L,3.5 ¶610685235
IDC Error ellipse: s-maj=87.7km s-min=19.1km az=98.0.
IDC V 24 21 08 23.6–4.1 4.12S 144.78E 0 3.4s,3.1 ¶610685319
IDC Error ellipse: s-maj=126.3km s-min=34.8km az=97.0.
ISC VI 02 23 48 17.4–.20 4.82S–.03 145.19E–.03 198–1 5.9b 1836 5-160
BJI VI 02 23 48 14.7–.00 4.78S 145.65E 205 6.0b,5.9b ¶611834027
NEIC VI 02 23 48 16.6 4.71S 145.14E 210 6.0b,5.9b
MOS VI 02 23 48 16.3–.84 4.70S 145.16E 195 6.0b,5.9s
NEIC VI 02 23 48 16.6 4.81S 144.84E 210 6.0b,5.9s
DJA VI 02 23 48 17.6–.40 5S–3.0 145E–3.0 192–4 6.2b,6.2
NEIC VI 02 23 48 17.9–1.3 4.74S–.08 145.14E–.07 193–4 5.9,5.9b
IDC VI 02 23 48 18.7–1.1 4.76S 145.19E 208–10 6.0,5.4b
GCMT VI 02 23 48 18.9–.30 4.74S–.02 145.18E–.02 214–2 6.0W,5.4b
KLM VI 02 23 48 20 4.79S 145.17E 223 5.9b,5.4b
ISC Event type se.
NEIC Event type se.
MOS Error ellipse: s-maj=7.6km s-min=4.6km az=110.7.
NEIC Event type se. Moment Tensor Solution.Duration: 4s4 Moment tensor: Scale 10^{17}Nm; M_{rr}-5.19 $M_{\theta\theta}$8.04 $M_{\phi\phi}$-2.85 $M_{r\theta}$1.32 $M_{\theta\phi}$-5.00 $M_{\phi r}$-4.14 NP1:ϕ_s323.99000°,δ66.57000°,λ-45.28000°. NP2:ϕ_s75.87000°,δ49.31000°,λ-148.37000°. Principal axes: T 10.4892,Plg10.0000°,Azm24.0000°; N -1.8901,Plg40.0000°,Azm122.0000°; P -8.5991,Plg48.0000°,Azm282.0000° $M_0$9.54000×10^{17}
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=9.4km az=176.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=7.7km s-min=5.4km az=81.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s34,c38; s133,c235;Duration: 2s4 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.87±.03 $M_{\theta\theta}$1.00±.03; $M_{\phi\phi}$-0.13±.03; $M_{r\theta}$-0.04±.03; $M_{\theta\phi}$-0.65±.03; $M_{\phi r}$-0.50±.03; Best double couple: NP1:ϕ_s322.00000°,δ57.00000°,λ-51.00000°. NP2:ϕ_s86.00000°,δ49.00000°,λ-135.00000°. Principal axes: T 1.3070,Plg5.0000°,Azm26.0000°; N -0.1350,Plg32.0000°,Azm119.0000°; P -1.1740,Plg58.0000°,Azm288.0000° $M_0$1.24100×10^{18}
IDC VI 09 05 58 55.0–1.5 3.23S 145.03E 0 4.2L,4.0 ¶610791504
IDC Error ellipse: s-maj=66.4km s-min=22.6km az=102.0.
ISC VI 13 11 19 40.6–.55 2.90S–.07 141.30E–.08 10 4.5b 58 9-85
NEIC VI 13 11 19 40.9–1.8 2.89S–.08 141.29E–.08 10–1 4.6b ¶610791774
IDC VI 13 11 19 43.9–2.5 2.94S 141.15E 0 3.8,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.0km s-min=13.2km az=223.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=110.4km s-min=23.4km az=85.0.

(201) Irian Jaya.

IDC I 02 11 25 21.1–2.9 3.43S 137.55E 0 3.6,3.6L ¶610236463
IDC Error ellipse: s-maj=73.8km s-min=30.0km az=73.0.
ISC I 03 04 26 54.2–.43 3.56S–.04 139.18E–.06 73 4.7b 125 1-146
IDC I 03 04 26 45.0–.69 3.40S 139.40E 0 4.4,4.4L ¶609950101
NEIC I 03 04 26 52.5–1.4 3.57S–.08 139.32E–.08 52–7 4.8b,4.4L
DJA I 03 04 26 52.6–.40 4S–4.0 139E–4.0 87–4 5.5,5.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 03 06 05 00.5–.46 3.41S–.05 139.16E–.05 73 4.4b 94 1-146
IDC I 03 06 04 51.5–.91 3.19S 139.44E 0 4.2,4.1b ¶610236533
NEIC I 03 06 04 59.2–2.2 3.4S–.10 139.4E–.10 57–8 4.5b,4.1b
DJA I 03 06 04 59.1–.20 3S–2.0 139E–2.0 78–2 5.8b,5.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC I 08 21 00 23.1–2.6 3.81S 136.30E 0 3.5,3.5L ¶610236981
IDC Error ellipse: s-maj=65.4km s-min=27.0km az=64.0.
ISC I 14 07 36 08.8–1.7 2.9S–.10 138.6E–.20 10 6 11-86
IDC I 14 07 36 07.3–2.0 2.67S 138.95E 0 3.8,3.5b ¶610237344
ISC Event type ke.
IDC Error ellipse: s-maj=59.8km s-min=31.4km az=103.0.
ISC I 16 22 17 05.5–.99 3.60S–.09 138.38E–.07 100 10 2-70
IDC I 16 22 16 56.2–1.8 3.50S 137.91E 0 4.2L,4.1 ¶610237543
DJA I 16 22 17 03.9–.30 4S–4.0 138E–4.0 103–5 4.5b,4.1
ISC Event type ke.
ISC I 22 14 55 45.2–1.2 3.55S–.08 140.3E–.20 35 14 1-86
IDC I 22 14 55 40.3–1.6 3.42S 140.48E 0 3.9,3.8L ¶610235115
ISC Event type ke.
IDC Error ellipse: s-maj=48.4km s-min=28.2km az=98.0.
IDC I 25 09 44 30.4–4.1 2.65S 138.48E 0 3.2,3.1b ¶610235318
IDC Error ellipse: s-maj=153.0km s-min=21.7km az=92.0.
ISC II 07 15 16 47.7–.54 4.59S–.06 138.81E–.08 44 4.2b 48 7-146
IDC II 07 15 16 42.7–1.0 4.25S 139.02E 0 4.3L,4.1 ¶610415051
NEIC II 07 15 16 47.8–2.0 4.39S–.10 138.99E–.08 36–8 4.4b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 08 12 00 00.5–.44 4.59S–.05 138.97E–.05 44 4.4b 82 2-146
IDC II 08 11 59 55.2–.73 4.29S 139.08E 0 4.4,4.2b ¶610415118
NEIC II 08 11 59 59.8–1.6 4.57S–.05 139.02E–.05 35–2 4.4b,4.2b
DJA II 08 12 00 01.4–.30 4S–3.0 139E–3.0 123–7 5.6b,5.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 09 08 10 05.6–.64 3.16S–.07 139.52E–.05 50 4.0b 25 1-147
IDC II 09 08 09 56.6–.91 2.87S 139.74E 0 4.4L,4.2 ¶610271473
DJA II 09 08 10 06.2–.30 3S–3.0 139E–3.0 10 5.4b,4.8
ISC Event type ke.
ISC II 11 04 53 20.5–.36 2.42S–.05 138.50E–.04 32 4.7b,3.8s 115 0-148
DJA II 11 04 53 20.4–.50 2S–4.0 139E–2.0 17–5 5.9b,5.4 ¶610208128
IDC II 11 04 53 22.0–2.6 2.32S 138.59E 46–25 4.5,4.5L
NEIC II 11 04 53 21.9–2.0 2.5S–.10 138.29E–.10 44–8 4.7b,4.5L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 11 19 49 42.6–.66 2.33S–.08 138.97E–.08 37 4.3b,3.1s 41 7-85
IDC II 11 19 49 36.3–1.2 2.25S 139.33E 0 4.1,4.1L ¶610415331
NEIC II 11 19 49 38.8–1.0 2.26S–.08 139.1E–.10 10–1 4.5b,4.1L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC II 12 08 01 05.5–5.1 4.47S 139.35E 0 3.4b,3.3L ¶610415363
IDC Error ellipse: s-maj=197.1km s-min=35.6km az=87.0.
ISC II 13 04 55 42.8–.31 4.24S–.04 137.49E–.04 150 4.6b 201 3-147
NEIC II 13 04 55 42.1–1.4 4.23S–.08 137.50E–.08 140–4 4.7b ¶610208595
DJA II 13 04 55 43.1–.20 4S–3.0 138E–2.0 147–3 5.5,5.4b
IDC II 13 04 55 44.4–.68 4.20S 137.54E 156–6 4.8,4.1b
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=10.8km az=115.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=16.7km s-min=8.2km az=84.0.
ISC II 13 19 56 10.0–.51 2.59S–.04 138.98E–.06 50 4.4b 85 1-87
IDC II 13 19 56 02.1–1.1 2.60S 139.38E 0 4.6L,4.0 ¶610415467
DJA II 13 19 56 10.8–.30 3S–3.0 139E–3.0 48–7 4.7b,4.6

NEIC II 13 19 56 11.6–1.7 2.80S–.10 138.9E–.10 60–7 4.5b,4.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC II 25 06 47 40.3–3.1 3.64S 136.15E 0 3.6L,3.4 ¶610384984
IDC Error ellipse: s-maj=119.5km s-min=32.9km az=80.0.
IDC II 26 08 00 51.3–4.2 2.14S 138.01E 0 3.4,3.4L ¶610385040
IDC Error ellipse: s-maj=207.8km s-min=29.0km az=88.0.
ISC III 01 11 54 41.8–1.0 3.42S–.09 139.7E–.10 10 11 1-71
IDC III 01 11 54 32.6–4.5 2.76S 139.77E 0 3.9L,3.5 **¶610545322**
ISC Event type ke.
IDC Error ellipse: s-maj=169.4km s-min=31.4km az=88.0.
ISC III 04 08 20 21.1–.50 4.03S–.06 138.56E–.07 100 4.3b 63 2-90
IDC III 04 08 20 08.9–1.4 3.74S 138.99E 0 4.6L,4.2 **¶610245016**
NEIC III 04 08 20 20.1–2.4 3.92S–.10 138.6E–.10 93–9 4.4b,4.2
DJA III 04 08 20 21.6–.50 4S–7.0 139E–4.0 120–10 5.0b,4.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 05 20 35 35.5–.49 3.82S–.06 138.20E–.06 100 4.0b 52 2-89
NEIC III 05 20 35 33.5–2.4 3.72S–.09 138.38E–.08 85–8 4.3b **¶610545606**
IDC III 05 20 35 35.2–5.0 3.61S 138.38E 94–51 4.1,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.4km s-min=5.1km az=223.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=34.8km s-min=24.4km az=74.0.
ISC III 08 11 08 07.3–.54 3.43S–.05 140.20E–.07 56 3.9b,3.7s 40 1-146
DJA III 08 11 07 58.1–.50 3S–4.0 141E–4.0 10 5.0,4.9 **¶610545799**
IDC III 08 11 08 06.2–3.3 3.51S 140.03E 40–32 4.4L,3.9s
NEIC III 08 11 08 10.4–1.7 3.76S–.10 140.24E–.09 58–10 4.4b,3.9s
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 08 22 49 47.9–.47 3.31S–.05 137.55E–.05 50 4.2b,3.5s 67 2-99
DJA III 08 22 49 45.7–.20 3S–3.0 138E–2.0 10 5.5b,4.9 **¶610305018**
NEIC III 08 22 49 49.8–1.2 3.3S–.10 137.5E–.10 62–8 4.4b,4.9
IDC III 08 22 49 49.9–4.2 3.24S 137.47E 64–39 4.3L,4.2
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.6km s-min=11.5km az=223.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=35.8km s-min=14.6km az=72.0.
ISC III 09 03 13 17.8–.56 2.72S–.07 138.95E–.06 37 4.3b,3.1s 46 1-136
IDC III 09 03 13 12.6–1.0 2.71S 138.82E 0 4.1,4.1b **¶610545848**
DJA III 09 03 13 14.2–.40 3S–4.0 139E–4.0 10 5.6b,5.2
NEIC III 09 03 13 19.4–2.0 2.84S–.04 138.82E–.09 49–8 4.4b,5.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 09 04 57 49.5–.71 2.71S–.08 138.9E–.10 37 4.1b,3.8s 27 7-136
IDC III 09 04 57 43.0–1.6 2.69S 139.20E 0 4.0L,3.8s **¶610545853**
NEIC III 09 04 57 51.1–1.2 2.8S–.10 138.9E–.10 47–8 4.2b,3.8s
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC III 09 05 30 36.9–3.7 2.98S 137.47E 0 3.5,3.5L ¶610545856
IDC Error ellipse: s-maj=146.2km s-min=22.5km az=87.0.
ISC III 10 03 41 49.2–.40 2.20S–.06 138.95E–.05 29 4.7b,3.7s 99 0-148
DJA III 10 03 41 48.3–.40 2S–5.0 139E–3.0 10 4.9b,4.7b **¶610316848**
IDC III 10 03 41 49.1–5.8 2.15S 138.99E 33–43 4.5L,4.4
NEIC III 10 03 41 52.5–1.5 2.3S–.10 138.9E–.10 58–6 4.6b,4.4
ISC Event type se. Moment Tensor Solution. NP1:φs9.56160°,δ39.76880°,λ167.16158°. NP2: φs109.49735°,δ81.82825°,λ50.94272°. Principal axes: T Plg40.0918°,Azm343.8777° ; N Plg38.5868°,Azm116.0767°; P Plg26.2952°,Azm229.2971°
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 10 18 27 33.5–.63 2.70S–.06 138.73E–.08 10 4.2b,3.1s 45 1-86
DJA III 10 18 27 30.2–.80 2S–10 139E–6.0 84–6 4.2,4.1 **¶610323115**
IDC III 10 18 27 31.7–1.2 2.66S 138.86E 0 3.8,3.8b
NEIC III 10 18 27 38.5–1.4 2.8S–.10 138.8E–.10 44–10 4.2b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 11 01 36 29.9–.43 4.81S–.05 138.25E–.07 35 4.3b,3.3s 65 6-147
IDC III 11 01 36 25.6–.73 4.56S 138.43E 0 4.2,4.1b **¶610545991**
NEIC III 11 01 36 31.1–2.2 4.73S–.09 138.28E–.09 43–9 4.4b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 14 09 13 25.5–.31 3.25S–.04 137.59E–.05 50 4.8b,4.0s 210 2-149
NEIC III 14 09 13 25.8–1.8 3.28S–.08 137.56E–.08 50–7 5.0b,4.0s **¶610328157**
GCMT III 14 09 13 26.8–.40 2.94S–.03 137.73E–.03 54–2 4.9W,4.0s
DJA III 14 09 13 26.2–.30 3S–3.0 138E–2.0 67–3 5.2b,5.1
IDC III 14 09 13 26.6–2.2 3.22S 137.53E 58–19 4.4,4.4L
BJI III 14 09 13 27.0–.00 3.30S 137.60E 70 5.2b,4.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=10.7km az=223.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s28,c33; s55,c75;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr2.14±.21 Mθθ-1.81±.13; Mφφ-0.32±.16; Mrθ-0.66±.09; Mθφ0.93±.09; Mφr1.25±.10; Best double couple: NP1:φs314.00000°,δ61.00000°,λ108.00000°. NP2:φs99.00000°,δ34.00000°,λ60.00000°. Principal axes: T 2.6780,Plg68.0000° ,Azm261.0000°; N -0.1220,Plg16.0000°,Azm125.0000°; P -2.5540,Plg14.0000° ,Azm30.0000° M0 2.61600×10^{16}
IDC Error ellipse: s-maj=15.4km s-min=7.6km az=74.0.
IDC III 15 03 39 10.7–10 3.66S 138.51E 272–105 3.4,2.8b ¶610546232
IDC Error ellipse: s-maj=165.4km s-min=40.3km az=106.0.
ISC III 21 01 02 11.7–.90 2.29S–.06 138.74E–.05 10 11 0-69
IDC III 21 01 02 12.9–3.6 2.56S 139.32E 0 4.3L,3.8 **¶610543367**
DJA III 21 01 02 12.5–1.8 2S–14 139E–5.0 14–7 4.1,4.0
ISC Event type ke.
IDC III 21 12 26 57.3–9.4 2.55S 138.05E 0 3.5L,3.2 ¶610543404
IDC Error ellipse: s-maj=407.9km s-min=33.3km az=84.0.
ISC III 24 11 00 15.1–1.0 2.37S–.08 138.99E–.07 35 3.6b 12 0-79
DJA III 24 11 00 07.5–1.4 1S–13 139E–9.0 10 5.6b,5.0 **¶610543592**
IDC III 24 11 00 09.7–4.3 2.05S 139.19E 0 4.1L,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=189.4km s-min=24.4km az=88.0.
ISC III 25 14 57 26.1–.29 3.06S–.03 136.86E–.03 28–1 5.6b,5.1s 1190 1-165
BJI III 25 14 57 19.3–.00 3.38S 137.37E 20 5.5b,5.3b **¶610435114**
KLM III 25 14 57 22 3.15S 137.28E 10 5.6b,5.3b
MOS III 25 14 57 23.8–.97 3.06S 136.84E 24 5.7b,5.2s
DJA III 25 14 57 26.8–.20 3S–2.0 137E–1.0 35–2 6.0,5.9b
NEIC III 25 14 57 27.8–1.7 3.05S–.08 136.87E–.07 34–3 5.6b,5.5
NEIC III 25 14 57 27.8 3.05S 136.87E 34 5.6b,5.5
NEIC III 25 14 57 27.2 3.05S 136.86E 36 5.6b,5.5
NEIC III 25 14 57 27.2 2.95S 136.86E 36 5.6b,5.5
IDC III 25 14 57 28.6–1.8 3.05S 136.87E 48–17 5.4,5.1b
GCMT III 25 14 57 30.8–.10 2.86S–.01 136.93E–.01 47–0 5.6W,5.1b
ISC Event type se. Moment Tensor Solution. NP1:φs125.06832°,δ30.50538°,λ157.43784°. NP2: φs234.76439°,δ78.76894°,λ61.45033°. Principal axes: T Plg48.3269°,Azm114.2155° ; N Plg27.9544°,Azm240.8133°; P Plg28.1323°,Azm347.2972°

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; Mrr0.52 Mθθ-1.26 Mφφ0.73 Mrθ-0.84 Mθφ0.27 Mφr-0.32 NP1:φs138.91000°,δ41.95000°,λ159.46000°. NP2:φs244.48000°,δ76.44000° ,λ49.91000°. Principal axes: T 1.2013,Plg44.0000°,Azm115.0000°; N 0.3997,Plg39.0000° ,Azm256.0000°; P -1.6009,Plg21.0000°,Azm4.0000° M0 1.44000×10^{17}
NEIC Event type se.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: $3^{s}0$ Moment tensor: Scale 10^{17}Nm; Mrr0.92 Mθθ-2.28 Mφφ1.35 Mrθ-1.08 Mθφ1.12 Mφr-0.56 NP1:φs247.36000°,δ76.30000° ,λ36.39000°. NP2:φs147.46000°,δ54.81000°,λ163.16000°. Principal axes: T 2.2607,Plg35.0000°,Azm113.0000°; N 0.5554,Plg51.0000°,Azm265.0000° ; P -2.8161,Plg14.0000°,Azm13.0000° M0 2.54000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s135,c252; s149,c289;Duration: $1^{s}6$ Moment tensor: Scale 10^{17}Nm; Mrr4.71±.16 Mθθ-3.58±.04; Mφφ2.10±.04; Mrθ-1.80±.05; Mθφ1.14±.03; Mφr0.02±.05; Best double couple: NP1:φs243.00000°,δ81.00000°,λ35.00000°. NP2:φs147.00000°,δ55.00000°,λ169.00000°. Principal axes: T 2.5130,Plg31.0000° ,Azm111.0000°; N 1.8380,Plg54.0000°,Azm255.0000°; P -4.3400,Plg17.0000°,Azm10.0000° M0 3.42600×10^{17}
ISC III 25 16 31 13.0–.48 3.02S–.05 137.00E–.05 32 4.0b 44 1-148
DJA III 25 16 31 13.7–1.0 3S–5.0 137E–2.0 14–7 5.0b,4.3 **¶610543655**
IDC III 25 16 31 17.2–3.8 3.09S 136.68E 65–34 4.1L,4.0
ISC Event type ke.
IDC Error ellipse: s-maj=31.1km s-min=13.6km az=67.0.
ISC III 25 20 03 56.3–.37 3.08S–.03 136.88E–.03 44–3 5.1b,4.3s 646 1-152
BJI III 25 20 03 50.3–.00 3.76S 137.34E 60 5.1b,4.9b **¶610435095**
NEIC III 25 20 03 51.5–1.4 3.02S–.08 136.86E–.07 10–1 5.2b,4.9b
MOS III 25 20 03 55.0–.89 3.12S 136.81E 49 5.3b,4.9b
IDC III 25 20 03 56.4–2.3 3.04S 136.86E 41–20 4.8,4.6L
DJA III 25 20 03 56.9–.20 3S–2.0 137E–1.0 48–2 5.3,5.3b
GCMT III 25 20 03 58.5–.20 2.80S–.01 136.88E–.01 47–0 5.1W,5.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s98,c153; s104,c161;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr4.71±.16 Mθθ-6.50±.10; Mφφ1.79±.14; Mrθ-1.79±.11; Mθφ0.54±.09; Mφr1.42±.13; Best double couple: NP1:φs291.00000°,δ57.00000°,λ113.00000°. NP2:φs74.00000°,δ39.00000°,λ59.00000°. Principal axes: T 5.4690,Plg69.0000° ,Azm250.0000°; N 1.3760,Plg19.0000°,Azm98.0000°; P -6.8450,Plg9.0000°,Azm5.0000° M0 6.15700×10^{16}
IDC III 27 03 44 54.4–5.4 2.66S 138.84E 0 3.4,3.4b ¶610543772
IDC Error ellipse: s-maj=217.0km s-min=32.6km az=86.0.
ISC III 27 04 14 02.2–.93 2.71S–.08 138.9E–.10 37 3.9b 13 8-136
IDC III 27 04 13 56.5–1.1 2.74S 138.95E 0 3.9,3.9b **¶610543773**
ISC Event type ke.
IDC Error ellipse: s-maj=32.3km s-min=12.5km az=91.0.
IDC III 28 03 20 15.7–3.1 3.84S 136.21E 0 3.3b,3.3L ¶610543827
IDC Error ellipse: s-maj=117.8km s-min=34.5km az=80.0.
ISC III 29 04 26 27.1–.56 2.58S–.06 138.89E–.07 10 4.3b 35 1-86
DJA III 29 04 26 15.1–1.4 1S–12 139E–10 10 5.8,5.7 **¶610543896**
IDC III 29 04 26 25.1–.90 2.63S 139.07E 0 4.2,4.2b
NEIC III 29 04 26 31.7–1.9 2.5S–.10 138.8E–.20 37–10 4.2b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 29 13 31 24.2–.91 2.44S–.10 138.95E–.06 35 3.5b 12 0-85
DJA III 29 13 31 19.7–1.7 2S–10 139E–4.0 16–8 4.1,4.1 **¶610543931**
IDC III 29 13 31 27.5–4.3 2.68S 139.43E 75–34 3.5,3.2b
ISC Event type ke.
IDC Error ellipse: s-maj=67.1km s-min=24.8km az=89.0.
ISC III 30 16 28 59.2–1.1 3.06S–.07 139.04E–.06 46 10 1-86
IDC III 30 16 28 49.1–2.2 2.68S 139.67E 0 4.0L,3.5 **¶610544002**
DJA III 30 16 28 57.7–.40 3S–3.0 139E–3.0 10 4.0b,3.8
ISC Event type ke.
ISC III 31 23 43 49.9–.72 3.63S–.06 139.75E–.07 37 4.4b 37 1-71
IDC III 31 23 43 41.8–2.6 3.25S 139.29E 0 4.2L,3.9 **¶610544082**
NEIC III 31 23 43 48.6–2.0 3.4S–.10 139.7E–.10 35–2 4.2b,3.9
DJA III 31 23 43 50.3–.80 3S–12 140E–10 77–22 5.4b,4.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 01 09 02 09.5–.88 2.63S–.08 138.87E–.05 10 3.9b 13 1-79
DJA IV 01 09 02 03.6–.90 1S–6.0 139E–4.0 10 4.4b,4.2 **¶610651692**
IDC IV 01 09 02 06.9–6.8 2.60S 139.08E 0 3.9,3.9b
ISC Event type ke.
IDC Error ellipse: s-maj=308.7km s-min=24.8km az=87.0.
ISC IV 09 11 41 11.1–.40 2.83S–.05 138.95E–.04 10 4.6b,3.6s 92 1-147
IDC IV 09 11 41 09.0–.88 2.82S 138.91E 0 4.3,4.2b **¶610523766**
DJA IV 09 11 41 09.3–.40 3S–4.0 139E–4.0 10 5.7b,5.3
NEIC IV 09 11 41 11.7–1.5 2.8S–.10 138.86E–.06 10–1 4.6b,5.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IV 11 19 51 18.7–4.7 4.25S 138.93E 0 3.6b,3.6L ¶610652492
IDC Error ellipse: s-maj=202.9km s-min=30.5km az=88.0.
IDC IV 17 01 21 42.8–3.1 3.20S 136.10E 0 3.3,3.3b ¶610652900
IDC Error ellipse: s-maj=125.5km s-min=31.7km az=80.0.
ISC IV 17 18 58 48.4–.35 3.23S–.05 138.97E–.06 35 4.7b 156 1-152
IDC IV 17 18 58 43.4–.51 3.08S 139.05E 0 4.3,4.3b **¶610529593**
DJA IV 17 18 58 46.0–.50 3S–5.0 139E–5.0 10 5.0b,5.0b
NEIC IV 17 18 58 49.0–1.4 3.18S–.09 138.93E–.08 37–6 4.7b,5.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 22 17 26 17.9–.62 4.36S–.06 140.09E–.08 35 4.5b 59 2-145
IDC IV 22 17 26 13.2–1.2 4.16S 140.09E 0 4.0,4.0b **¶610547331**
DJA IV 22 17 26 15.7–.50 4S–4.0 141E–5.0 44–5 7.2,6.9
NEIC IV 22 17 26 16.9–2.4 4.2S–.10 140.17E–.06 30–6 4.4b,6.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 24 17 27 53.9–1.1 3.5S–.10 139.8E–.20 56 11 1-71
IDC IV 24 17 27 46.4–6.1 3.57S 140.18E 0 3.8L,3.4 **¶610649914**
ISC Event type ke.
IDC Error ellipse: s-maj=232.8km s-min=33.5km az=88.0.
IDC V 03 03 52 26.6–9.1 2.70S 138.51E 0 3.8L,3.7s ¶610689427
IDC Error ellipse: s-maj=387.2km s-min=31.8km az=85.0.
ISC V 05 00 20 16.6–.49 2.21S–.06 138.93E–.05 29 4.3b,3.1s 50 0-148
IDC V 05 00 20 12.9–.87 2.19S 138.97E 0 4.3L,4.0 **¶610689576**
DJA V 05 00 20 14.5–1.7 2S–15 139E–5.0 14–8 4.4,4.4
NEIC V 05 00 20 16.9–1.3 2.23S–.10 138.96E–.09 26–6 4.5b,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DJA V 07 09 28 42.8–.70 3S–3.0 141E–5.0 10 4.7b,4.1 ¶615346354
ISC V 10 05 43 17.5–.82 2.53S–.07 138.79E–.08 10 3.9b,3.0s 14 1-86
DJA V 10 05 43 16.8–.60 2S–14 139E–4.0 59–18 4.1,4.0 **¶610689943**
IDC V 10 05 43 21.4–5.3 2.47S 138.86E 33–40 3.9,3.9L
ISC Event type ke.
IDC Error ellipse: s-maj=30.3km s-min=17.1km az=98.0.
ISC V 11 08 01 15.7–.86 2.74S–.09 138.47E–.08 32 3.6b 10 2-86
IDC V 11 08 01 11.2–1.1 2.62S 138.51E 0 3.6,3.6b **¶610690026**
ISC Event type ke.

IDC Error ellipse: s-maj=25.6km s-min=23.2km az=172.0.
ISC V 11 09 37 06.6–.62 2.63S–.06 138.52E–.04 10 4.0b,3.2s 22 1-148
IDC V 11 09 37 05.9–.75 2.56S 138.52E 0 4.0,4.0b ¶610690033
DJA V 11 09 37 06.0–1.4 1S–8.0 139E–5.0 13–7 4.2,4.1
ISC Event type ke.
ISC V 12 14 52 52.8–.50 4.36S–.05 138.99E–.06 50 4.3b 69 2-146
DJA V 12 14 52 51.8–.80 4S–17 139E–5.0 168–21 4.4,4.3 ¶610690136
IDC V 12 14 52 52.3–1.9 4.21S 139.05E 48–20 4.2L,3.9
NEIC V 12 14 52 53.8–2.4 4.3S–.10 138.9E–.10 47–8 4.4b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 13 21 48 24.8–.40 2.00S–.06 137.43E–.04 10 4.1b,3.4s 82 1-148
IDC V 13 21 48 23.1–.69 1.99S 137.42E 0 3.9,3.9b ¶610690219
DJA V 13 21 48 25.5–.30 2S–5.0 137E–2.0 10 5.2b,4.7b
NEIC V 13 21 48 25.3–1.8 2.02S–.09 137.36E–.06 10–1 4.4b,4.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DJA V 14 16 04 35.8–1.0 3S–6.0 140E–6.0 29–13 4.3b,3.9 ¶615346486
ISC V 18 15 13 51.2–.81 3.60S–.08 140.45E–.08 50 24 1-86
IDC V 18 15 13 44.3–1.9 3.06S 139.51E 0 4.0L,3.8 ¶610690604
NEIC V 18 15 13 51.7–2.5 3.6S–.10 140.4E–.10 60–33 3.8b,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 19 07 15 43.0–.39 3.67S–.04 140.49E–.06 39 4.5b,3.3s 193 1-145
IDC V 19 07 15 43.8–1.3 3.55S 140.45E 49–11 4.3,4.3L ¶610643030
NEIC V 19 07 15 44.4–2.1 3.58S–.06 140.45E–.05 52–7 4.5b,4.3L
DJA V 19 07 15 44.4–1.6 3S–4.0 141E–8.0 23–18 4.9b,4.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 19 08 58 07.0–1.3 4.15S–.06 140.6E–.20 10 10 2-24
DJA V 19 08 58 07.6–1.4 4S–8.0 140E–11 10 4.0,4.0 ¶612489754
ISC Event type ke.
ISC V 27 17 57 29.2–1.0 3.61S–.08 139.23E–.07 73 12 1-71
IDC V 27 17 57 22.6–5.5 3.53S 139.00E 0 3.6,3.6L ¶610685510
DJA V 27 17 57 28.5–1.7 4S–8.0 139E–4.0 16–18 4.1b,4.0
ISC Event type ke.
ISC VI 04 10 24 35.1–.79 4.72S–.07 139.08E–.08 44 4.2b 37 2-87
IDC VI 04 10 24 33.5–1.5 4.54S 137.35E 0 3.9L,3.8 ¶610791229
DJA VI 04 10 24 34.7–.40 4S–11 139E–6.0 152–22 4.6b,4.3
NEIC VI 04 10 24 37.3–2.1 4.6S–.20 139.0E–.10 45–15 4.1b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VI 06 03 41 45.9–6.5 3.22S 138.84E 0 3.4,3.4L ¶610791314
IDC Error ellipse: s-maj=268.0km s-min=33.4km az=86.0.
IDC VI 12 16 49 11.8–5.1 2.35S 138.97E 0 3.4,3.3b ¶610791735
IDC Error ellipse: s-maj=205.9km s-min=31.6km az=87.0.
DJA VI 13 13 41 02.5–.50 3S–7.0 140E–5.0 47–15 4.1b,3.9 ¶615348178
ISC VI 14 09 40 01.3–1.2 2.7S–.10 138.3E–.50 32 3.6b 6 18-86
IDC VI 14 09 39 56.3–1.4 2.48S 138.67E 0 3.6,3.6b ¶610791854
ISC Event type ke.
IDC Error ellipse: s-maj=72.1km s-min=26.0km az=93.0.
DJA VI 17 12 20 45.3–1.5 3S–13 140E–10 10 4.4b,4.0 ¶615348245
IDC VI 21 05 41 39.4–1.6 2.85S 138.81E 0 3.6L,3.5 ¶610789193
IDC Error ellipse: s-maj=33.1km s-min=16.5km az=162.0.
IDC VI 22 01 34 54.8–1.7 2.40S 137.51E 0 3.5L,3.4 ¶610789242
IDC Error ellipse: s-maj=31.0km s-min=29.3km az=178.0.
ISC VI 23 01 08 18.1–.74 2.1S–.10 137.39E–.05 26 3.9b,3.5s 21 1-116
DJA VI 23 01 08 15.3–.60 2S–8.0 137E–3.0 12–5 5.1b,4.6 ¶610789304
IDC VI 23 01 08 17.4–.80 2.46S 137.68E 0 4.0,3.9b
ISC Event type ke.
IDC Error ellipse: s-maj=17.2km s-min=13.2km az=83.0.
ISC VI 24 17 44 34.8–.48 3.14S–.05 139.44E–.04 46 3.8b 62 1-86
DJA VI 24 17 44 36.9–.30 3S–9.0 140E–4.0 70–13 5.3b,4.8 ¶610789397
IDC VI 24 17 44 37.8–1.3 2.93S 139.61E 77–15 4.0,3.4b
NEIC VI 24 17 44 42.9–2.2 3.34S–.09 139.05E–.07 109–9 4.1b,3.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VI 25 03 23 38.3–3.0 3.52S 136.23E 0 3.5L,3.4 ¶610789419
IDC Error ellipse: s-maj=113.0km s-min=32.8km az=80.0.
IDC VI 26 11 07 49.2–1.4 3.14S 139.94E 72–17 3.6,3.1b ¶610789506
IDC Error ellipse: s-maj=35.9km s-min=19.9km az=131.0.
IDC VI 26 18 51 29.2–5.6 3.89S 138.89E 134–89 2.9,2.5b ¶610789525
IDC Error ellipse: s-maj=132.9km s-min=24.1km az=101.0.
IDC VI 30 09 53 16.8–1.6 3.61S 140.53E 0 3.6,3.6b ¶610789777
IDC Error ellipse: s-maj=147.9km s-min=12.9km az=101.0.

(202) New Guinea.

IDC I 03 20 03 29.8–7.9 4.41S 142.49E 184–87 3.7,2.9b ¶610236579
IDC Error ellipse: s-maj=68.8km s-min=26.9km az=136.0.
IDC I 24 04 49 47.9–3.7 6.02S 141.84E 0 4.1L,3.8 ¶610235240
IDC Error ellipse: s-maj=118.0km s-min=29.1km az=99.0.
ISC I 30 13 54 50.6–.50 4.41S–.06 141.85E–.06 35 4.6b 79 2-89
NEIC I 30 13 54 53.8–1.8 4.3S–.10 141.86E–.06 75–7 4.6b ¶610235737
IDC I 30 13 55 02.1–2.7 4.59S 142.23E 167–29 4.4,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.9km s-min=8.9km az=179.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=25.7km s-min=13.0km az=106.0.
ISC II 03 23 49 17.3–.60 4.45S–.08 143.15E–.08 100 4.3b 38 6-148
IDC II 03 23 49 13.6–3.0 4.32S 142.97E 53–28 4.1,3.7b ¶610414774
NEIC II 03 23 49 14.6–1.0 4.3S–.10 143.0E–.10 65–9 4.5b,3.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC II 20 09 55 04.5–3.2 4.00S 143.27E 0 4.0L,3.7 ¶610384680
IDC Error ellipse: s-maj=115.0km s-min=31.1km az=88.0.
ISC II 21 01 09 40.2–.82 4.4S–.10 142.87E–.10 100 4.1b 22 7-89
IDC II 21 01 09 39.4–4.3 4.32S 142.98E 92–43 4.2,3.8s ¶610384720
NEIC II 21 01 09 50.0–1.3 5.1S–.10 142.1E–.20 70–9 4.5b,3.8s
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 23 09 35 19.0–.97 4.3S–.10 143.6E–.20 100 3.7b 8 6-141
IDC II 23 09 35 08.2–1.1 3.94S 143.21E 0 4.2L,4.0 ¶610384871
ISC Event type ke.
IDC Error ellipse: s-maj=42.8km s-min=22.9km az=91.0.
IDC II 27 20 21 58.9–1.9 6.87S 145.15E 0 3.6b,3.5 ¶610385153
IDC Error ellipse: s-maj=39.3km s-min=31.1km az=89.0.
ISC III 10 12 45 48.6–.99 5.6S–.20 142.3E–.10 200 3.3b 7 6-87
IDC III 10 12 45 48.0–4.7 5.54S 142.25E 192–55 3.9,3.2b ¶610545958
ISC Event type ke.
IDC Error ellipse: s-maj=44.3km s-min=26.2km az=138.0.
IDC III 13 13 24 07.7–8.0 4.47S 141.67E 237–84 3.7,3.0b ¶610546139
IDC Error ellipse: s-maj=67.0km s-min=30.1km az=100.0.
ISC III 20 06 33 37.7–.48 5.27S–.04 143.66E–.04 105–4 5.2b 799 4-156
MOS III 20 06 33 34.6–.76 5.16S 143.64E 84 5.2b ¶610346362
BJI III 20 06 33 35.4–.00 5.23S 144.21E 116 5.2b,5.0b
NEIC III 20 06 33 36.8–1.9 5.29S–.07 143.62E–.07 90–1 5.3b,5.0b
IDC III 20 06 33 36.4–1.8 5.21S 143.73E 93–17 5.1,4.7b
GCMT III 20 06 33 38.8–.30 5.20S–.03 143.54E–.03 114–5 4.8W,4.7b
DJA III 20 06 33 38.4–.30 5S–3.0 144E–2.0 103–4 5.4,5.3b
ISC Event type se. Moment Tensor Solution. NP1:ϕs98.23546°,δ69.74302°,λ-108.09486°. NP2: ϕs321.57742°,δ26.90581°,λ-49.91675°. Principal axes: T Plg22.6898°,Azm202.0066° ; N Plg16.9406°,Azm104.6900°; P Plg61.0907°,Azm341.2154°
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s20,c20; s71,c84;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr-2.03±.09 Mθθ0.64±.17; Mϕϕ1.40±.17; Mrθ-0.88±.09; Mθϕ-1.15±.12; Mϕr0.29±.10; Best double couple: NP1:ϕs130.00000°,δ56.00000°,λ-107.00000°. NP2:ϕs338.00000°,δ37.00000°,λ-67.00000°. Principal axes: T 2.3610,Plg10.0000° ,Azm232.0000°; N -0.0600,Plg14.0000°,Azm140.0000°; P -2.2950,Plg73.0000° ,Azm357.0000° M0 2.32800×10^{16}
IDC III 20 14 42 30.0–6.1 3.13S 141.47E 0 3.2,3.2b ¶610543335
IDC Error ellipse: s-maj=226.7km s-min=29.9km az=90.0.
IDC IV 12 12 50 16.2–7.7 4.88S 142.31E 0 3.8L,3.6 ¶610652556
IDC Error ellipse: s-maj=275.1km s-min=33.7km az=94.0.
IDC IV 15 17 14 20.0–14 4.68S 143.73E 0 3.1,3.0b ¶610652807
IDC Error ellipse: s-maj=322.9km s-min=39.1km az=84.0.
IDC V 04 06 43 49.8–7.3 6.09S 145.81E 65–91 3.9,3.9L ¶610689528
IDC Error ellipse: s-maj=63.8km s-min=32.8km az=119.0.
IDC V 22 00 33 47.5–6.6 3.38S 141.13E 0 4.1L,3.6 ¶610685111
IDC Error ellipse: s-maj=245.6km s-min=33.3km az=90.0.
IDC VI 05 21 56 58.9–6.8 3.16S 141.96E 0 3.7L,3.6 ¶610791302
IDC Error ellipse: s-maj=269.1km s-min=29.2km az=93.0.
ISC VI 12 22 25 41.8–.39 6.57S–.05 145.83E–.07 100 4.5b 122 3-144
IDC VI 12 22 25 38.1–2.3 6.43S 146.07E 68–23 4.3,4.0b ¶610671343
NEIC VI 12 22 25 39.6–1.7 6.42S–.09 145.8E–.10 80–7 4.6b,4.0b
DJA VI 12 22 25 49.8–.70 7S–5.0 146E–7.0 124–6 5.3b,5.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VI 15 02 38 02.6–9.5 4.17S 141.66E 0 3.7L,3.4 ¶610791904
IDC Error ellipse: s-maj=352.0km s-min=35.7km az=92.0.
ISC VI 15 20 46 38.9–.36 4.25S–.04 142.61E–.06 100 4.5b 299 3-146
NEIC VI 15 20 46 38–1.9 4.21S–.09 142.60E–.10 95–7 4.6b ¶610675389
IDC VI 15 20 46 41.4–2.6 4.29S 142.61E 129–25 4.4,4.0b
DJA VI 15 20 46 41.0–.60 4S–6.0 143E–6.0 100–5 5.4,5.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 27 17 58 08.5–.46 4.34S–.07 142.82E–.08 100 4.2b 49 3-151
IDC VI 27 17 58 07.2–1.4 4.31S 142.84E 86–15 4.1,3.6b ¶610789587
NEIC VI 27 17 58 08.1–2.6 4.35S–.07 142.81E–.09 86–6 4.6b,3.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(203) Bismarck Sea.

ISC I 10 19 03 14.2–.88 3.45S–.09 146.2E–.10 25 4.1b 23 2-75
NEIC I 10 19 03 10.6–1.5 3.32S–.04 146.1E–.10 10–1 4.3b ¶610237096
IDC I 10 19 03 15.6–2.3 3.82S 145.77E 0 4.1L,4.0
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.6km s-min=7.3km az=278.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=66.0km s-min=23.2km az=80.0.
IDC I 14 08 44 07.0–3.3 3.27S 146.42E 0 3.9,3.8b ¶610237347
IDC Error ellipse: s-maj=94.6km s-min=31.5km az=89.0.
ISC I 25 13 07 45.6–.48 3.32S–.05 146.21E–.08 25 4.3b,3.9s 64 2-151
IDC I 25 13 07 42.5–.83 3.26S 146.01E 0 4.2,4.2b ¶610235327
DJA I 25 13 07 43.4–1.8 3S–3.0 146E–4.0 13–14 5.5b,5.0
NEIC I 25 13 07 43.8–2.2 3.28S–.07 146.17E–.08 10–1 4.5b,5.0
GCMT I 25 13 07 47.8–.30 3.37S–.02 146.19E–.02 15–2 4.8W,5.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s12,c13; s83,c108;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr-0.14±.11 Mθθ0.14±.09; Mϕϕ0.00±.11; Mrθ0.03±.18; Mθϕ1.90±.08; Mϕr0.31±.19; Best double couple: NP1:ϕs181.00000°,δ90.00000°,λ-171.00000°. NP2:ϕs91.00000°,δ81.00000°,λ0.00000°. Principal axes: T 1.9980,Plg6.0000°,Azm316.0000° ; N -0.1440,Plg81.0000°,Azm184.0000°; P -1.8550,Plg7.0000°,Azm46.0000° M0 1.92700×10^{16}
ISC II 14 01 38 20.2–.55 3.48S–.07 149.06E–.09 19 4.3b,3.9s 42 3-146
GCMT II 14 01 38 24.0–.30 3.30S–.01 148.89E–.02 17–1 4.8W,3.9s ¶610208947
IDC II 14 01 38 24.8–4.8 3.56S 149.15E 57–46 4.1,3.9s
NEIC II 14 01 38 28–1.8 3.8S–.10 149.32E–.07 103–9 4.4b,3.9s
ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s14,c14; s102,c136;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr-0.38±.10 Mθθ1.52±.09; Mϕϕ-1.14±.08; Mrθ0.06±.21; Mθϕ1.62±.07; Mϕr-0.82±.24; Best double couple: NP1:ϕs22.00000°,δ79.00000°,λ-159.00000°. NP2:ϕs288.00000°,δ69.00000°,λ-12.00000°. Principal axes: T 2.3200,Plg7.0000° ,Azm153.0000°; N -0.0910,Plg66.0000°,Azm48.0000°; P -2.2300,Plg23.0000° ,Azm246.0000° M0 2.27500×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 15 20 54 10.2–1.2 3.48S–.10 147.0E–.30 25 3.5b 8 6-144
IDC II 15 20 54 06.4–1.4 3.45S 146.94E 0 3.5,3.4b ¶610415584
ISC Event type ke.
IDC Error ellipse: s-maj=59.6km s-min=22.1km az=99.0.
ISC II 16 22 51 16.6–.73 3.29S–.08 146.2E–.10 35 4.2b,3.7s 30 6-144
NEIC II 16 22 51 11.7–.79 3.1S–.10 146.32E–.08 10–1 4.5b,3.7s ¶610415652
IDC II 16 22 51 12.8–1.3 3.35S 146.07E 0 4.2,4.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.1km s-min=9.7km az=33.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=38.5km s-min=19.7km az=95.0.
IDC II 19 12 47 15.1–5.6 4.49S 149.33E 0 3.1,3.0b ¶610415817
IDC Error ellipse: s-maj=252.7km s-min=53.8km az=113.0.
IDC III 18 13 33 48.0–4.6 4.45S 147.95E 0 3.7,3.5b ¶610546457
IDC Error ellipse: s-maj=160.2km s-min=50.9km az=107.0.
ISC IV 12 23 50 26.2–.85 3.49S–.10 146.5E–.20 20 3.8b,3.6s 12 6-144
IDC IV 12 23 50 23.1–1.1 3.45S 146.47E 0 3.9,3.9b ¶610652589
ISC Event type ke.
IDC Error ellipse: s-maj=39.4km s-min=18.1km az=94.0.
ISC IV 13 00 23 55.7–.50 3.48S–.07 146.29E–.09 10 4.5b,4.0s 65 6-151

IDC IV 13 00 23 53.2–1.0 3.38S 146.47E 0 4.1,4.1b ¶610527232
NEIC IV 13 00 23 56.0–.92 3.48S–.08 146.26E–.07 10–1 4.5b,4.1b
GCMT IV 13 00 23 58.0–.30 3.23S–.01 146.46E–.02 18–1 4.9W,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s22,c24; s91,c116;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.57±.13 $M_{\theta\theta}$-0.08±.12; $M_{\phi\phi}$0.65±.13; $M_{r\theta}$-1.14±.30; $M_{\theta\phi}$2.24±.08; $M_{\phi r}$-0.26±.22; Best double couple: NP1:ϕ_s83.00000°,δ84.00000°,λ-29.00000°. NP2:ϕ_s176.00000°,δ61.00000°,λ-174.00000°. Principal axes: T 2.8230,Plg16.0000° ,Azm133.0000°; N -0.5230,Plg60.0000°,Azm253.0000°; P -2.3000,Plg24.0000° ,Azm35.0000° $M_0$2.56200×10^{16}
IDC IV 13 00 44 39.7–4.7 3.71S 146.80E 0 3.7,3.7b ¶610652597
IDC Error ellipse: s-maj=126.2km s-min=29.5km az=94.0.
IDC V 07 09 13 28.6–7.1 4.73S 147.64E 0 3.3b,3.2 ¶610689711
IDC Error ellipse: s-maj=296.9km s-min=52.3km az=109.0.
ISC V 12 21 39 56.9–.75 3.88S–.07 146.61E–.09 10 4.2b,3.4s 48 5-144
IDC V 12 21 39 55.4–1.1 3.92S 146.56E 0 4.2,4.2L ¶610638073
NEIC V 12 21 40 11.4–1.1 4.6S–.10 146.3E–.20 84–15 4.3b,4.2L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC V 16 15 50 01.7–2.1 4.16S 148.80E 0 3.1,3.0b ¶610690429
IDC Error ellipse: s-maj=175.1km s-min=32.7km az=123.0.
IDC V 27 04 40 44.8–5.7 3.28S 149.84E 0 3.4,3.4b ¶610685479
IDC Error ellipse: s-maj=172.5km s-min=37.0km az=101.0.
ISC V 29 19 01 56.4–.76 4.7S–.10 150.0E–.10 450 4.4b 22 2-148
IDC V 29 19 01 55.8–1.2 4.57S 149.68E 412–25 4.0,3.4b ¶610685658
NEIC V 29 19 01 56.2–1.2 4.6S–.40 149.9E–.20 426–36 4.4b,3.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC V 30 20 20 38.8–2.1 4.37S 149.73E 0 3.6,3.6b ¶610685740
IDC Error ellipse: s-maj=147.1km s-min=34.8km az=126.0.
IDC VI 03 02 49 09.6–2.0 4.90S 147.33E 0 4.0L,3.9 ¶610791141
IDC Error ellipse: s-maj=118.4km s-min=30.0km az=119.0.
ISC VI 06 23 54 53.1–.29 3.30S–.04 148.73E–.05 10 5.0b,4.7s 528 6-147
BJI VI 06 23 54 49.8–.00 3.28S 149.15E 12 5.2b,5.0s ¶610666194
IDC VI 06 23 54 51.0–.57 3.29S 148.80E 0 4.7,4.6s
MOS VI 06 23 54 51.8–.91 3.26S 148.59E 13 5.2b,4.6s
NEIC VI 06 23 54 54.9 3.28S 148.59E 26 5.2b,4.6s
NEIC VI 06 23 54 54.1 3.30S 148.68E 10 5.2b,4.6s
NEIC VI 06 23 54 54.9 3.28S 148.69E 26 5.2b,4.6s
NEIC VI 06 23 54 55.0–1.4 3.27S–.07 148.66E–.10 23–1 5.4,5.4
DJA VI 06 23 54 56.4–1.7 3S–4.0 149E–4.0 21–11 5.5b,5.3
GCMT VI 06 23 54 57.0–.10 3.21S–.01 148.73E–.01 14–0 5.4W,5.3
ISC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2s6 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.33 $M_{\theta\theta}$1.29 $M_{\phi\phi}$-0.96 $M_{r\theta}$-0.33 $M_{\theta\phi}$0.93 $M_{\phi r}$1.06 NP1:ϕ_s209.97000°,δ68.71000° ,λ-153.67000°. NP2:ϕ_s109.78000°,δ65.59000°,λ-23.50000°. Principal axes: T 1.6282,Plg2.0000°,Azm339.0000°; N 0.3968,Plg57.0000°,Azm246.0000° ; P -2.0250,Plg33.0000°,Azm71.0000° $M_0$1.83000×10^{17}
NEIC Event type se.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.23 $M_{\theta\theta}$0.96 $M_{\phi\phi}$-1.20 $M_{r\theta}$0.08 $M_{\theta\phi}$0.69 $M_{\phi r}$-0.31 NP1:ϕ_s298.19000°,δ81.99000°,λ-6.93000°. NP2:ϕ_s29.16000°,δ83.14000° ,λ-171.93000°. Principal axes: T 1.1654,Plg1.0000°,Azm164.0000°; N 0.2916,Plg79.0000° ,Azm69.0000°; P -1.4570,Plg11.0000°,Azm254.0000° $M_0$1.34000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s116,c186; s142,c283;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.16±.02 $M_{\theta\theta}$1.11±.02; $M_{\phi\phi}$-0.94±.02; $M_{r\theta}$0.14±.03; $M_{\theta\phi}$0.90±.01; $M_{\phi r}$0.12±.03; Best double couple: NP1:ϕ_s24.00000°,δ88.00000°,λ173.00000°. NP2:ϕ_s115.00000°,δ83.00000°,λ2.00000°. Principal axes: T 1.4660,Plg6.0000° ,Azm339.0000°; N -0.1800,Plg83.0000°,Azm186.0000°; P -1.2870,Plg3.0000°,Azm70.0000° $M_0$1.37700×10^{17}
IDC VI 07 05 57 26.1–2.1 3.34S 148.75E 0 3.8,3.8b ¶610791376
IDC Error ellipse: s-maj=78.6km s-min=27.0km az=108.0.
ISC VI 08 15 43 27.0–.96 3.4S–.10 149.4E–.20 10 4.2b,3.6s 26 6-147
IDC VI 08 15 43 23.2–1.6 3.75S 150.02E 0 3.8,3.8b ¶610791472
NEIC VI 08 15 43 26.5–2.0 3.3S–.10 149.3E–.30 10–1 4.4b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 08 15 46 15.6–1.3 3.8S–.20 149.9E–.30 10 4.2b,3.6s 30 18-147
IDC VI 08 15 46 13.0–1.6 3.81S 150.02E 0 4.0,4.0b ¶610791473
NEIC VI 08 15 46 16.4–2.6 3.7S–.20 149.9E–.30 10–2 4.5b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 08 16 39 22.2–.50 3.36S–.07 149.36E–.09 10 4.4b,3.7s 48 3-147
IDC VI 08 16 39 18.9–.86 3.55S 149.49E 0 4.0,4.0b ¶610791475
NEIC VI 08 16 39 22.8–1.9 3.23S–.05 149.14E–.08 10–1 4.6b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 12 09 24 41.9–.94 3.7S–.10 149.7E–.10 35 4.2b,3.4s 20 2-147
IDC VI 12 09 24 36.8–1.1 3.61S 149.64E 0 4.1,4.1b ¶610791714
NEIC VI 12 09 24 41.9–1.5 3.9S–.20 149.84E–.09 10–2 4.3b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VI 14 07 34 19.8–5.4 3.09S 149.79E 0 3.5,3.4b ¶610791839
IDC Error ellipse: s-maj=164.5km s-min=37.0km az=101.0.
ISC VI 16 06 17 13.3–.40 3.16S–.05 147.00E–.06 10 4.4b,4.1s 85 1-144
IDC VI 16 06 17 11.2–.61 3.15S 146.89E 0 4.0s,4.0 ¶610675503
NEIC VI 16 06 17 13.2–2.1 3.06S–.06 146.88E–.08 10–1 4.7b,4.0
DJA VI 16 06 17 14.7–.30 3S–3.0 147E–4.0 10 5.3b,4.7
GCMT VI 16 06 17 18.2–.20 3.18S–.01 146.91E–.02 15 5.0W,4.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s24,c27; s103,c144;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.09±.11 $M_{\theta\theta}$-1.32±.11; $M_{\phi\phi}$1.23±.11; $M_{r\theta}$-1.70±.39; $M_{\theta\phi}$2.71±.07; $M_{\phi r}$0.18±.30; Best double couple: NP1:ϕ_s77.00000°,δ85.00000°,λ-28.00000°. NP2:ϕ_s169.00000°,δ62.00000°,λ-175.00000°. Principal axes: T 3.1640,Plg16.0000° ,Azm126.0000°; N 0.5160,Plg62.0000°,Azm248.0000°; P -3.6770,Plg23.0000°,Azm30.0000° $M_0$3.42000×10^{16}
ISC VI 16 21 10 02.2–.74 3.4S–.10 146.5E–.10 20 3.9b,3.9s 22 6-144
IDC VI 16 21 09 58.6–1.1 3.27S 146.43E 0 4.0,3.9s ¶610792024
NEIC VI 16 21 10 01.6–.59 3.5S–.10 146.6E–.10 10–2 4.2b,3.9s
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 17 03 54 51.8–.61 3.38S–.08 146.75E–.10 10 4.3b,4.1s 49 5-146
IDC VI 17 03 54 49.8–.87 3.35S 146.82E 0 4.0s,4.0 ¶610792042
NEIC VI 17 03 54 52.6–2.0 3.4S–.10 146.78E–.09 10–1 4.5b,4.0L
GCMT VI 17 03 54 54.6–.20 3.15S–.01 146.87E–.02 18–1 4.9W,4.0L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s22,c23; s100,c139;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.21±.12 $M_{\theta\theta}$-1.46±.09; $M_{\phi\phi}$1.67±.11; $M_{r\theta}$-0.64±.22; $M_{\theta\phi}$2.27±.08; $M_{\phi r}$0.14±.20; Best double couple: NP1:ϕ_s72.00000°,δ83.00000°,λ-12.00000°. NP2:ϕ_s163.00000°,δ78.00000°,λ-173.00000°. Principal axes: T 2.8720,Plg3.0000° ,Azm118.0000°; N -0.0620,Plg76.0000°,Azm221.0000°; P -2.8070,Plg14.0000° ,Azm27.0000° $M_0$2.83900×10^{16}
IDC VI 27 01 01 09.8–4.4 4.82S 148.31E 0 3.7,3.5b ¶610789530
IDC Error ellipse: s-maj=150.2km s-min=50.9km az=109.0.
IDC VI 27 11 55 19.7–2.0 3.63S 146.90E 0 3.3,3.2b ¶610789570
IDC Error ellipse: s-maj=319.8km s-min=28.2km az=120.0.
ISC VI 29 19 26 48.4–1.0 4.6S–.10 149.6E–.20 550 3.4b 14 2-147
IDC VI 29 19 26 48.6–1.2 4.58S 149.66E 555–16 3.7,2.8b ¶610789735
ISC Event type ke.
IDC Error ellipse: s-maj=33.9km s-min=14.9km az=109.0.

(204) Aru Islands region.

ISC I 13 04 13 11.2–1.1 5.1S–.10 133.2E–.50 35 3.8b 7 5-78
IDC I 13 04 13 06.3–1.4 4.94S 133.09E 0 3.9,3.9b ¶610237273
ISC Event type ke.
IDC Error ellipse: s-maj=72.9km s-min=28.0km az=82.0.
IDC I 21 12 30 26.3–4.2 7.01S 133.46E 0 3.3b,3.1 ¶610234996
IDC Error ellipse: s-maj=244.2km s-min=29.7km az=78.0.
ISC I 22 13 01 21.4–.74 5.29S–.06 134.26E–.10 35 4.4b 31 3-72
IDC I 22 13 01 17.1–2.0 5.30S 134.38E 0 4.0,4.0L ¶610235111
NEIC I 22 13 01 21.4–1.1 5.17S–.06 134.3E–.20 28–6 4.5b,4.0L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 25 13 49 01.6–.25 5.85S–.03 133.69E–.04 33 5.0b,4.2s 377 3-159
BJI I 25 13 48 54.4–.00 6.07S 134.02E 10 5.1b,4.8s ¶610117024
MOS I 25 13 48 56.7–.93 5.83S 133.70E 10 5.2b,4.6s
IDC I 25 13 48 56.7–.45 5.80S 133.70E 0 4.8,4.8L
NEIC I 25 13 48 59.2–1.3 5.77S–.05 133.78E–.07 10–1 5.2b,4.8L
DJA I 25 13 49 00.1–.70 6S–2.0 134E–1.0 18–5 6.8,6.7
GCMT I 25 13 49 03.2–.20 5.68S–.02 133.59E–.02 24–0 5.0W,6.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s61,c76; s81,c122;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.64±.16 $M_{\theta\theta}$0.64±.10; $M_{\phi\phi}$3.00±.11; $M_{r\theta}$0.22±.15; $M_{\theta\phi}$1.27±.07; $M_{\phi r}$1.77±.14; Best double couple: NP1:ϕ_s196.00000°,δ58.00000°,λ-97.00000°. NP2:ϕ_s30.00000°,δ33.00000°,λ-78.00000°. Principal axes: T 3.9420,Plg13.0000° ,Azm292.0000°; N 0.1400,Plg6.0000°,Azm200.0000°; P -4.0850,Plg76.0000°,Azm85.0000° $M_0$4.01300×10^{16}
IDC II 08 14 10 41.1–3.5 6.15S 133.31E 0 3.5b,3.3s ¶610415123
IDC Error ellipse: s-maj=184.3km s-min=29.6km az=77.0.
IDC II 08 23 21 18.3–3.4 6.08S 134.52E 0 3.3b,3.1 ¶610415147
IDC Error ellipse: s-maj=149.4km s-min=35.1km az=79.0.
IDC II 11 23 17 15.1–1.7 5.06S 133.75E 0 3.9,3.9L ¶610415339
IDC Error ellipse: s-maj=89.9km s-min=23.1km az=67.0.
IDC III 07 03 48 57.9–1.9 5.08S 133.07E 0 3.7,3.7L ¶610545693
IDC Error ellipse: s-maj=93.8km s-min=28.0km az=67.0.
ISC III 26 00 45 45.3–.75 5.49S–.06 133.52E–.08 35 3.9b 30 3-79
IDC III 26 00 45 39.5–2.2 5.69S 133.59E 0 4.0b,3.9 ¶610543682
DJA III 26 00 45 48.8–2.0 5S–5.0 134E–3.0 28–23 5.3b,4.8b
ISC Event type ke.
IDC IV 03 22 38 45.3–5.0 5.44S 132.27E 0 3.5b,3.5L ¶610651876
IDC Error ellipse: s-maj=327.0km s-min=31.3km az=75.0.
IDC IV 05 02 07 32.8–2.8 6.08S 135.53E 0 3.7b,3.3 ¶610651957
IDC Error ellipse: s-maj=103.3km s-min=34.2km az=81.0.
ISC IV 13 10 52 25.6–.79 5.71S–.06 133.65E–.09 10 3.7b 26 3-73
IDC IV 13 10 52 25.9–1.8 6.06S 133.41E 0 3.9L,3.8 ¶610652631
DJA IV 13 10 52 31.3–1.6 5S–5.0 133E–4.0 19–16 5.1b,4.6b
ISC Event type ke.
IDC IV 16 22 06 17.6–3.0 5.34S 134.18E 0 3.9,3.8L ¶610652890
IDC Error ellipse: s-maj=122.1km s-min=25.3km az=81.0.
IDC IV 19 01 48 03.5–5.9 5.53S 134.00E 0 3.8b,3.4 ¶610653021
IDC Error ellipse: s-maj=329.7km s-min=31.7km az=78.0.
ISC IV 26 18 26 23.0–.51 5.42S–.06 133.90E–.06 32 4.3b,4.0s 64 3-147
IDC IV 26 18 26 18.9–.96 5.45S 133.96E 0 3.9,3.9L ¶610560068
NEIC IV 26 18 26 23.8–2.9 5.33S–.08 133.9E–.20 31–8 4.2b,3.9L
DJA IV 26 18 26 24.0–.70 5S–3.0 134E–2.0 39–15 5.3b,4.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IV 26 22 46 36.2–2.6 5.01S 134.03E 0 3.7,3.6b ¶610650091
IDC Error ellipse: s-maj=104.5km s-min=27.4km az=74.0.
IDC V 01 17 41 44.7–2.1 5.03S 134.58E 0 3.6s,3.6b ¶610689331
IDC Error ellipse: s-maj=103.6km s-min=28.0km az=74.0.
IDC V 09 06 47 20.7–5.1 5.41S 132.38E 0 3.2b,3.1 ¶610689882
IDC Error ellipse: s-maj=328.0km s-min=34.2km az=75.0.
IDC V 29 00 59 01.0–5.7 6.19S 134.19E 0 4.1,4.0b ¶610685578
IDC Error ellipse: s-maj=328.9km s-min=32.1km az=79.0.
IDC VI 01 04 15 46.8–5.6 5.06S 133.11E 0 3.8L,3.7b ¶610791035
IDC Error ellipse: s-maj=336.2km s-min=31.8km az=76.0.
ISC VI 22 17 46 59.8–1.1 5.63S–.08 132.5E–.20 10 13 3-68
IDC VI 22 17 46 57.3–5.7 5.57S 132.95E 0 3.7L,3.4 ¶610789288
ISC Event type ke.
IDC Error ellipse: s-maj=343.9km s-min=33.4km az=76.0.

(206) Near south coast of New Guinea.

ISC V 17 22 39 58.3–1.5 7.1S–.20 146.0E–.20 150 3.5b 7 3-144
IDC V 17 22 39 59.4–2.6 7.15S 146.37E 183–41 3.5,3.1b ¶610690532
ISC Event type ke.
IDC Error ellipse: s-maj=63.1km s-min=34.1km az=113.0.

(207) Eastern New Guinea region.

IDC I 01 03 10 10.8–4.9 5.88S 147.65E 208–47 3.7,3.1b ¶610236349
IDC Error ellipse: s-maj=96.8km s-min=44.4km az=123.0.
IDC I 01 11 52 24.8–1.7 6.25S 146.61E 0 3.7,3.6b ¶610236384
IDC Error ellipse: s-maj=52.6km s-min=26.0km az=103.0.
ISC I 01 20 58 24.2–1.7 6.0S–.10 147.1E–.10 78 3.8b 20 3-145
IDC I 01 20 58 20.9–3.8 5.93S 146.92E 44–30 4.1L,3.9 ¶610236415
ISC Event type ke.
IDC Error ellipse: s-maj=33.5km s-min=21.8km az=132.0.
ISC I 03 10 49 36.5–.46 8.28S–.04 148.03E–.04 58–4 5.1b,4.0s 544 1-153
BJI I 03 10 49 32.9–.00 8.14S 148.45E 48 5.2b,5.1b ¶609950387
MOS I 03 10 49 34.9–.79 8.24S 148.01E 55 5.2b,5.1b
DJA I 03 10 49 35.8–.40 8S–3.0 148E–4.0 61–5 5.1b,5.1

NEIC I 03 10 49 36.3–1.9 8.25S–.06 148.00E–.07 50–4 5.1b,5.1
IDC I 03 10 49 37.5–.98 8.26S 148.12E 63–9 4.8,4.5b
GCMT I 03 10 49 39.3–.40 8.35S–.03 148.04E–.03 76–3 5.0W,4.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s39,c51; s47,c55;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.45±.20 $M_{\theta\theta}$-2.10±.19; $M_{\phi\phi}$-0.34±.21; $M_{r\theta}$-0.18±.21; $M_{\theta\phi}$-2.55±.13; $M_{\phi r}$0.68±.18; Best double couple: NP1:ϕ_s31.00000°,δ53.00000°,λ56.00000°. NP2:ϕ_s259.00000°,δ49.00000°,λ126.00000°. Principal axes: T 2.7860,Plg63.0000° ,Azm239.0000°; N 1.1460,Plg26.0000°,Azm53.0000°; P -3.9300,Plg2.0000°,Azm144.0000° $M_0$3.35800×10^{16}
ISC I 07 17 54 56.0–.59 5.47S–.06 146.53E–.08 123 3.9b 39 4-85
IDC I 07 17 54 53.7–2.7 5.40S 146.84E 118–25 4.2,3.8b **¶610236911**
NEIC I 07 17 54 58.3–1.2 5.50S–.09 146.5E–.10 133–12 4.4b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 08 08 52 08.0–.19 6.18S–.02 147.52E–.03 69–1 5.7b 1695 3-168
BJI I 08 08 52 02.6–.00 6.40S 147.95E 68 5.7b,5.4s **¶611831504**
MOS I 08 08 52 04.7–.96 6.12S 147.45E 50 5.8b,5.4s
NEIC I 08 08 52 07.9–1.5 6.23S–.06 147.48E–.07 61–1 5.9,5.8b
IDC I 08 08 52 07.2–1.0 6.13S 147.59E 59–8 5.5,5.2b
KLM I 08 08 52 09 6.22S 147.53E 62 6.3b,5.2b
DJA I 08 08 52 10.2–.30 6S–2.0 148E–2.0 76–3 6.4b,6.2
GCMT I 08 08 52 10.9–.10 6.41S 147.65E 65–0 5.9W,6.2
NEIC I 08 08 52 17.7 6.33S 147.48E 50 5.9W,6.2
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s214.86702°,δ25.50133°,λ22.50899°. NP2: ϕ_s104.35997°,δ80.51323°,λ113.78143°. Principal axes: T Plg49.0046°,Azm40.1240° ; N Plg23.4366°,Azm280.2058°; P Plg31.4445°,Azm174.8347°
MOS Error ellipse: s-maj=6.7km s-min=4.4km az=106.4.
NEIC Event type se. Error ellipse: s-maj=11.4km s-min=9.7km az=279.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}3.50 $M_{\theta\theta}$-5.21 $M_{\phi\phi}$1.71 $M_{r\theta}$5.26 $M_{\theta\phi}$0.05 $M_{\phi r}$-2.45 NP1:ϕ_s112.18000°,δ73.38000°,λ108.72000°. NP2:ϕ_s242.34000°,δ24.83000° ,λ42.93000°. Principal axes: T 6.9158,Plg58.0000°,Azm47.0000°; N 0.9034,Plg18.0000° ,Azm287.0000°; P -7.8192,Plg26.0000°,Azm188.0000° $M_0$7.41000×10^{17}
IDC Error ellipse: s-maj=9.8km s-min=7.0km az=93.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s160,c343; s155,c453; Duration: $2\overset{s}{.}3$ Moment tensor: Scale 10^{18}Nm; M_{rr}0.54±.01 $M_{\theta\theta}$-0.87±.01; $M_{\phi\phi}$0.33±.01; $M_{r\theta}$0.55±.01; $M_{\theta\phi}$0.13±.01; $M_{\phi r}$-0.39±.01; Best double couple: NP1:ϕ_s121.00000°,δ70.00000° ,λ117.00000°. NP2:ϕ_s245.00000°,δ33.00000°,λ39.00000°. Principal axes: T 0.9210,Plg56.0000°,Azm67.0000°; N 0.1870,Plg25.0000°,Azm291.0000° ; P -1.1080,Plg20.0000°,Azm191.0000° $M_0$1.01500×10^{18}
NEIC Event type se. Moment Tensor Solution.Duration: $4\overset{s}{.}5$ Moment tensor: Scale 10^{17}Nm; M_{rr}6.61 $M_{\theta\theta}$-8.19 $M_{\phi\phi}$1.58 $M_{r\theta}$4.83 $M_{\theta\phi}$1.67 $M_{\phi r}$-3.69 NP1:ϕ_s118.36000°,δ65.57000° ,λ109.61000°. NP2:ϕ_s257.63000°,δ30.95000°,λ53.55000°. Principal axes: T 9.3178,Plg64.0000°,Azm61.0000°; N 0.9285,Plg18.0000°,Azm290.0000° ; P -10.2463,Plg18.0000°,Azm194.0000° $M_0$9.78000×10^{17}
ISC I 08 17 57 23.1–.44 6.21S–.05 147.52E–.07 77 4.5b 94 3-153
IDC I 08 17 57 21.8–1.5 6.14S 147.63E 62–14 4.4,4.0b **¶610236976**
NEIC I 08 17 57 23.8–2.4 6.24S–.05 147.62E–.07 87–8 4.5b,4.0b
DJA I 08 17 57 24.7–.40 6S–3.0 148E–4.0 85–5 5.0b,4.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC I 09 21 30 42.0–8.2 6.32S 147.96E 89–51 3.9,3.9L
¶610237041
IDC Error ellipse: s-maj=72.3km s-min=59.4km az=74.0.
ISC I 10 14 18 26.9–.90 5.53S–.07 147.0E–.10 150 4.2b 25 3-32
NEIC I 10 14 18 27.9–1.6 5.46S–.09 147.1E–.10 167–12 4.3b **¶610237086**
IDC I 10 14 18 31.7–3.2 5.98S 147.62E 214–19 4.0,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.1km s-min=12.4km az=100.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=50.6km s-min=27.3km az=122.0.
IDC I 11 01 55 42.0–3.6 6.15S 147.66E 0 4.0L,3.9
¶610237118
IDC Error ellipse: s-maj=88.6km s-min=36.5km az=94.0.
IDC I 11 12 02 17.2–3.6 5.49S 147.67E 0 3.6,3.3b
¶610237145
IDC Error ellipse: s-maj=100.2km s-min=31.7km az=94.0.
ISC I 12 10 05 04.6–.97 9.1S–.10 148.3E–.10 35 3.9b,3.2s 13 1-147
IDC I 12 10 04 59.4–1.1 9.02S 148.40E 0 3.9,3.8b **¶610237235**
ISC Event type ke.
IDC Error ellipse: s-maj=27.5km s-min=20.3km az=123.0.
IDC I 12 12 47 58.8–330 5.52S 147.85E 0
¶610237240
IDC Error ellipse: s-maj=131.5km s-min=20.0km az=74.0.
IDC I 13 05 58 18.6–5.9 6.01S 147.52E 0 3.9,3.9b
¶610237280
IDC Error ellipse: s-maj=85.5km s-min=58.7km az=64.0.
ISC I 13 06 42 59.1–.35 6.24S–.05 147.57E–.05 77 4.8b 115 3-153
IDC I 13 06 42 55.9–1.6 6.09S 147.36E 53–14 4.7L,4.4 **¶610068628**
DJA I 13 06 42 58.3–.40 6S–3.0 147E–3.0 60–6 5.4b,5.3
NEIC I 13 06 42 58.6–1.4 6.24S–.03 147.57E–.07 63–8 4.9b,5.3
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s215.07469°,δ59.01819°,λ47.44688°. NP2: ϕ_s95.79430°,δ50.83518°,λ138.39977°. Principal axes: T Plg54.1517°,Azm70.3352° ; N Plg35.4358°,Azm240.3689°; P Plg4.7369°,Azm333.7494°
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC I 13 16 47 04.8–331 5.66S 147.93E 0
¶610237304
IDC Error ellipse: s-maj=129.6km s-min=35.3km az=73.0.
ISC I 14 08 50 04.3–.54 7.49S–.05 147.13E–.10 32 4.2b 62 2-153
IDC I 14 08 49 59.2–.93 7.32S 147.16E 0 4.2,4.1b **¶610237348**
NEIC I 14 08 50 06.7–2.3 7.57S–.06 147.04E–.10 49–6 4.3b,4.1b
DJA I 14 08 50 08.7–.40 8S–4.0 147E–4.0 10 6.4b,6.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC I 14 14 56 25.3–498 5.78S 147.46E 0
¶610237363
IDC Error ellipse: s-maj=190.6km s-min=31.6km az=72.0.
ISC I 14 23 10 09.3–.32 5.66S–.04 146.81E–.05 150 4.9b 216 4-154
BJI I 14 23 10 05.0–.00 5.91S 147.20E 152 5.1b,4.7b **¶610094889**
DJA I 14 23 10 09.2–.30 6S–3.0 147E–4.0 158–4 5.5b,5.2
NEIC I 14 23 10 09.3–1.5 5.61S–.06 146.82E–.08 147–7 5.0b,5.2
IDC I 14 23 10 09.2–1.2 5.60S 146.88E 156–12 4.5,4.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=9.3km az=89.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=10.8km s-min=8.1km az=112.0.
IDC I 15 00 00 11.4–330 5.53S 147.78E 0
¶610237398
IDC Error ellipse: s-maj=130.9km s-min=28.0km az=75.0.
ISC I 15 11 03 46.0–1.7 7.6S–.20 147.6E–.30 50 7 2-25
IDC I 15 11 03 45.4–2.9 7.59S 147.52E 44–37 3.9L,3.7 **¶610237432**
ISC Event type ke.
IDC Error ellipse: s-maj=54.1km s-min=10.4km az=122.0.
IDC I 15 11 32 32.5–330 5.59S 147.87E 0
¶610237435
IDC Error ellipse: s-maj=130.1km s-min=15.3km az=73.0.
IDC I 15 21 00 06.8–331 5.65S 147.85E 0
¶610237457
IDC Error ellipse: s-maj=129.4km s-min=16.5km az=73.0.
ISC I 16 00 11 02.3–1.7 6.1S–.10 147.9E–.20 35 4.1b 25 3-146
NEIC I 16 00 11 01.6–1.3 6.0S–.10 148.0E–.10 35–2 4.1b **¶610237462**
IDC I 16 00 11 07.1–7.3 6.43S 147.96E 71–51 4.2L,4.1
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=24.8km s-min=18.8km az=92.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=69.4km s-min=59.9km az=87.0.
ISC I 16 06 48 03.1–.44 8.01S–.05 147.49E–.06 52 4.3b,3.3s 69 1-153
IDC I 16 06 48 02.5–1.8 7.96S 147.91E 62–16 4.2,3.8b **¶610097474**
NEIC I 16 06 48 05.6–1.6 8.12S–.06 147.26E–.09 70–8 4.4b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC I 16 17 48 26.1–340 5.49S 147.63E 0
¶610237530
IDC Error ellipse: s-maj=134.7km s-min=18.6km az=75.0.
IDC I 17 11 03 56.5–330 5.44S 147.74E 0
¶610237593
IDC Error ellipse: s-maj=132.3km s-min=33.9km az=76.0.
IDC I 17 15 31 59.0–331 5.70S 147.78E 0
¶610237606
IDC Error ellipse: s-maj=128.4km s-min=17.5km az=72.0.
IDC I 18 22 24 44.9–330 5.55S 147.80E 0
¶610237689
IDC Error ellipse: s-maj=130.9km s-min=32.6km az=75.0.
IDC I 19 03 40 29.2–330 5.55S 147.83E 0
¶610237703
IDC Error ellipse: s-maj=131.0km s-min=14.1km az=74.0.
ISC I 22 05 15 59.7–2.1 10.1S–.30 149.5E–.40 35 4.4b 7 17-90
IDC I 22 05 15 54.0–2.8 10.12S 149.69E 0 4.6L,4.2 **¶610235060**
ISC Event type ke.
IDC Error ellipse: s-maj=105.3km s-min=30.3km az=125.0.
ISC I 22 15 44 03.7–2.8 6.5S–.20 147.6E–.40 100 12 3-146
IDC I 22 15 44 01.7–6.9 6.48S 147.92E 98–62 3.6,3.6L **¶610235121**
ISC Event type ke.
IDC Error ellipse: s-maj=117.6km s-min=55.6km az=115.0.
IDC I 23 16 25 24.2–5.2 6.22S 147.40E 0 3.4s,3.4
¶610235208
IDC Error ellipse: s-maj=73.2km s-min=56.2km az=68.0.
ISC I 24 13 02 59.6–.91 5.53S–.08 146.6E–.10 50 3.7b 20 4-84
NEIC I 24 13 03 01.1–1.4 5.58S–.05 146.7E–.20 72–13 4.2b **¶610235265**
IDC I 24 13 03 02.8–1.8 6.10S 146.07E 0 3.9L,3.8
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=25.4km s-min=5.2km az=99.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=56.0km s-min=21.6km az=81.0.
ISC I 25 22 23 12.5–1.8 6.18S–.10 147.7E–.40 50 3.6b 9 3-146
IDC I 25 22 23 06.4–2.6 6.04S 147.62E 0 3.9L,3.7 **¶610235345**
ISC Event type ke.
IDC Error ellipse: s-maj=92.4km s-min=22.8km az=93.0.
ISC I 26 18 56 00.3–.64 5.39S–.06 146.60E–.09 100 3.8b 31 3-145
NEIC I 26 18 56 00.4–.84 5.30S–.09 146.6E–.10 104–10 4.1b **¶610235407**
IDC I 26 18 56 03.2–4.3 5.68S 146.60E 108–42 3.8,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.7km s-min=12.4km az=111.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=40.5km s-min=29.4km az=119.0.
IDC I 27 22 10 08.9–5.0 7.04S 147.61E 94–68 3.2,3.2L
¶610235512
IDC Error ellipse: s-maj=141.6km s-min=43.2km az=111.0.
IDC I 28 15 17 21.7–330 5.58S 147.72E 0
¶610235568
IDC Error ellipse: s-maj=129.9km s-min=9.0km az=74.0.
ISC I 29 08 07 52.6–.54 5.97S–.07 147.88E–.08 60 3.8b 47 3-146
NEIC I 29 08 07 48.1–1.2 5.91S–.09 147.8E–.10 10–1 4.1b **¶610235622**
IDC I 29 08 07 52.6–2.0 6.00S 147.93E 59–19 3.9,3.8L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=23.5km s-min=3.2km az=130.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=27.6km s-min=9.5km az=124.0.
ISC I 29 09 21 32.4–.46 5.49S–.05 146.99E–.07 195 4.4b 69 3-145
IDC I 29 09 21 32.4–1.7 5.41S 147.05E 199–17 4.2,3.7b **¶610235632**
DJA I 29 09 21 33.0–.40 5S–5.0 147E–6.0 185–9 4.6b,4.5
NEIC I 29 09 21 34.2–.76 5.44S–.07 147.0E–.10 199–9 4.6b,4.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC I 29 09 46 42.1–1.9 5.08S 146.56E 0 3.6,3.4b
¶610235634
IDC Error ellipse: s-maj=72.3km s-min=30.0km az=113.0.
IDC I 29 17 55 03.3–340 5.56S 147.66E 0
¶610235663
IDC Error ellipse: s-maj=133.6km s-min=22.5km az=74.0.
IDC I 29 21 47 59.4–331 5.70S 147.73E 0
¶610235672
IDC Error ellipse: s-maj=128.6km s-min=14.0km az=72.0.
IDC I 29 23 47 07.3–330 5.56S 147.96E 0
¶610235678
IDC Error ellipse: s-maj=132.0km s-min=12.4km az=73.0.
IDC I 30 06 48 56.6–330 5.57S 147.90E 0
¶610235697
IDC Error ellipse: s-maj=131.2km s-min=11.9km az=73.0.
IDC I 30 14 06 26.2–330 5.64S 147.95E 0
¶610235739
IDC Error ellipse: s-maj=130.2km s-min=21.9km az=72.0.
ISC II 01 19 12 03.5–.58 6.14S–.06 146.89E–.08 78 4.4b 53 3-145
NEIC II 01 19 12 02.8–1.6 6.14S–.03 146.83E–.09 60–14 4.3b **¶610172157**
IDC II 01 19 12 04.4–2.7 6.15S 147.09E 107–31 4.1,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=4.9km az=92.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=38.7km s-min=16.7km az=119.0.
ISC II 01 21 37 46.7–.40 5.50S–.05 147.33E–.08 170 4.2b 108 3-145
IDC II 01 21 37 49.5–.61 5.48S 147.29E 203–5 4.3,3.7b **¶610172161**
DJA II 01 21 37 49.7–1.1 6S–7.0 147E–9.0 189–8 5.2b,5.0
NEIC II 01 21 37 49.5–2.1 5.56S–.04 147.22E–.09 194–7 4.4b,5.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 02 12 16 39.3–1.1 5.39S–.10 146.7E–.20 250 3.3b 11 4-145
IDC II 02 12 16 40.6–2.1 5.34S 146.60E 263–25 3.7,3.1b **¶610414670**
ISC Event type ke.
IDC Error ellipse: s-maj=52.3km s-min=12.8km az=111.0.
IDC II 03 12 19 11.0–6.8 6.12S 146.97E 99–51 3.5,3.1b
¶610414739
IDC Error ellipse: s-maj=57.4km s-min=55.5km az=47.0.
ISC II 04 06 45 07.8–2.0 6.3S–.10 147.4E–.40 63 3.8b 7 3-146
IDC II 04 06 45 11.6–6.3 6.56S 147.52E 90–42 3.9,3.6b **¶610414792**
ISC Event type ke.
IDC Error ellipse: s-maj=57.0km s-min=44.9km az=65.0.
ISC II 05 13 12 13.2–.90 5.33S–.09 147.7E–.20 35 3.8b 22 4-146
NEIC II 05 13 12 05.4–1.7 4.9S–.20 148.1E–.30 10–1 4.1b **¶610414883**
IDC II 05 13 12 08.2–.98 5.31S 147.70E 0 4.2L,4.0
ISC Event type se.

NEIC Event type se. Error ellipse: s-maj=57.4km s-min=16.9km az=291.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=32.5km s-min=18.0km az=90.0.
ISC II 06 11 11 21.8–1.0 6.7S–.10 146.4E–.20 110 3.6b 11 3-145
IDC II 06 11 11 21.8–3.1 6.69S 146.49E 113–35 3.7,3.4b ¶610414965
ISC Event type ke.
IDC Error ellipse: s-maj=36.9km s-min=27.4km az=107.0.
IDC II 07 02 57 39.2–7.1 6.93S 147.57E 81–70 3.5L,3.3
¶610415007
IDC Error ellipse: s-maj=114.6km s-min=53.3km az=114.0.
ISC II 07 18 17 38.6–.75 6.37S–.08 147.61E–.10 100 3.7b 23 3-146
IDC II 07 18 17 38.2–3.3 6.36S 147.69E 100–38 3.9,3.6b ¶610415059
NEIC II 07 18 17 40.1–2.5 6.42S–.05 147.6E–.10 96–17 4.1b,3.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 08 06 18 53.2–1.4 6.3S–.10 147.0E–.30 100 7 3-145
IDC II 08 06 18 41.7–1.6 5.72S 146.55E 0 3.6,3.5L ¶610415094
ISC Event type ke.
IDC Error ellipse: s-maj=65.2km s-min=27.0km az=108.0.
IDC II 08 16 50 13.8–2.4 6.59S 147.70E 0 3.3,3.3b
¶610415132
IDC Error ellipse: s-maj=161.3km s-min=32.7km az=123.0.
IDC II 10 15 38 41.2–8.9 5.25S 146.42E 0 3.3,3.3b
¶610415240
IDC Error ellipse: s-maj=288.4km s-min=37.1km az=101.0.
ISC II 12 11 57 59.3–.34 5.56S–.05 145.29E–.06 86 4.8b 179 4-150
IDC II 12 11 57 57.7–2.2 5.48S 145.45E 75–21 4.6,4.2b ¶610208513
DJA II 12 11 57 59.7–.30 6S–2.0 145E–3.0 84–4 5.6b,5.3
BJI II 12 11 57 59.2–.00 5.72S 145.12E 102 5.1b,4.8b
NEIC II 12 11 58 00.7–1.6 5.54S–.09 145.40E–.09 94–7 4.9b,4.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC II 13 21 07 25.4–1.5 5.28S 146.53E 0 3.7,3.4b
¶610415470
IDC Error ellipse: s-maj=54.5km s-min=24.7km az=103.0.
ISC II 15 10 48 53.7–.54 5.50S–.07 147.17E–.08 195 4.3b 66 4-145
IDC II 15 10 48 54.1–1.8 5.52S 147.25E 206–16 4.3,3.8b ¶610415557
DJA II 15 10 48 54.6–.80 6S–7.0 147E–8.0 179–10 5.0b,4.6
NEIC II 15 10 48 55.5–1.4 5.51S–.06 147.24E–.09 209–8 4.5b,4.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 19 23 15 58.8–.53 5.53S–.06 145.44E–.07 86 4.2b 69 4-150
IDC II 19 23 15 57.4–2.2 5.53S 145.37E 75–23 4.3,3.8b ¶610231654
NEIC II 19 23 15 58.5–1.3 5.5S–.10 145.5E–.10 75–11 4.4b,3.8b
DJA II 19 23 16 00.6–.40 6S–4.0 145E–4.0 94–4 5.4b,5.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 21 07 03 42.5–.41 6.13S–.05 147.72E–.07 50 4.4b,3.8s 95 3-153
IDC II 21 07 03 41.2–1.7 6.09S 147.63E 58–16 4.1,3.8s ¶610237815
NEIC II 21 07 03 45.0–.90 6.31S–.09 147.7E–.10 53–7 4.5b,3.8s
DJA II 21 07 03 45.3–.60 6S–5.0 148E–5.0 58–8 5.2,5.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC II 21 07 18 07.3–331 5.69S 147.94E 0
¶610384732
IDC Error ellipse: s-maj=129.0km s-min=19.4km az=72.0.
IDC II 21 09 14 50.0–1.4 6.56S 146.82E 0 3.3,3.3b
¶610384739
IDC Error ellipse: s-maj=55.8km s-min=24.3km az=102.0.
ISC II 23 04 01 26.5–.37 6.54S–.05 146.83E–.06 100 4.7b 183 3-154
IDC II 23 04 01 25.9–1.4 6.56S 146.82E 100–15 4.6,4.2b ¶610239722
NEIC II 23 04 01 27.1–1.6 6.57S–.08 146.83E–.10 106–8 4.7b,4.2b
DJA II 23 04 01 28.4–.50 7S–3.0 147E–4.0 105–6 5.8,5.5
GCMT II 23 04 01 29.1–.20 6.47S–.01 146.73E–.02 108–2 5.1W,5.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function. Moment Tensor Solution. s61,c71; s106,c161;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-2.62±.11 $M_{\theta\theta}$2.54±.13; $M_{\phi\phi}$0.08±.14; $M_{r\theta}$-1.71±.09;
$M_{\theta\phi}$-4.47±.12; $M_{\phi r}$-1.39±.09; Best double couple: NP1:ϕ_s90.00000°,δ66.00000°,λ-146.00000°.
NP2:ϕ_s345.00000°,δ60.00000°,λ-29.00000°. Principal axes: T 5.9820,Plg4.0000°
,Azm216.0000°; N -0.8230,Plg49.0000°,Azm122.0000°; P -5.1520,Plg40.0000°
,Azm310.0000° $M_0$5.56700×10^{16}
ISC II 23 15 11 05.7–.22 5.86S–.03 146.74E–.03 124–1 5.5b 1051 4-152
SJA II 23 15 10 39.9–1.5 5.82S 146.76E 113–999 5.4W ¶610239931
BJI II 23 15 11 01.7–.00 5.98S 147.00E 121 5.3b,4.8b
MOS II 23 15 11 03.4–.76 5.73S 146.69E 114 5.3b,4.8b
IDC II 23 15 11 04.0–1.1 5.81S 146.72E 105–9 5.1,4.8b
NEIC II 23 15 11 05.8–2.0 5.85S–.05 146.75E–.06 116–1 5.6b,5.4
DJA II 23 15 11 05.3–.30 6S–2.0 147E–2.0 109–3 6.3,5.8b
KLM II 23 15 11 07 5.93S 146.72E 116 5.6b,5.8b
NEIC II 23 15 11 07.7 5.75S 146.73E 110 5.6b,5.8b
GCMT II 23 15 11 07.8–.10 5.81S–.01 146.80E–.01 124–0 5.5W,5.8b
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s43.04701°,δ45.10233°,λ167.84682°. NP2:
ϕ_s141.69009°,δ81.42349°,λ45.54699°. Principal axes: T Plg37.1970°,Azm13.2514°
; N Plg43.8278°,Azm150.0139°; P Plg23.1821°,Azm264.2852°
ISC Hypocentre not reviewed by the ISC.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.30 $M_{\theta\theta}$0.49 $M_{\phi\phi}$-0.79 $M_{r\theta}$0.48 $M_{\theta\phi}$-0.68
$M_{\phi r}$-1.27 NP1:ϕ_s163.06000°,δ83.71000°,λ56.40000°. NP2:ϕ_s63.70000°,δ34.12000°
,λ168.74000°. Principal axes: T 1.6629,Plg42.0000°,Azm42.0000°; N 0.0124,Plg33.0000°
,Azm167.0000°; P -1.6753,Plg31.0000°,Azm280.0000° $M_0$1.67000×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 2s6 Moment tensor: Scale 10^{17}Nm;
M_{rr}0.68 $M_{\theta\theta}$0.50 $M_{\phi\phi}$-1.18 $M_{r\theta}$0.46 $M_{\theta\phi}$-0.54 $M_{\phi r}$-1.13 NP1:ϕ_s164.06000°,δ75.18000°
,λ57.36000°. NP2:ϕ_s52.28000°,δ35.50000°,λ153.86000°. Principal axes:
T 1.5995,Plg49.0000°,Azm38.0000°; N 0.1575,Plg31.0000°,Azm173.0000°
; P -1.7570,Plg23.0000°,Azm279.0000° $M_0$1.68000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function. Moment Tensor Solution. s134,c216; s143,c288;Duration: 1s4
Moment tensor: Scale 10^{17}Nm; M_{rr}0.72±.02 $M_{\theta\theta}$0.61±.03; $M_{\phi\phi}$-1.34±.03; $M_{r\theta}$0.34±.02;
$M_{\theta\phi}$-0.91±.02; $M_{\phi r}$-1.59±.02; Best double couple: NP1:ϕ_s169.00000°,δ78.00000°,λ57.00000°.
NP2:ϕ_s61.00000°,δ35.00000°,λ159.00000°. Principal axes: T 2.0080,Plg47.0000°
,Azm44.0000°; N 0.3380,Plg33.0000°,Azm176.0000°; P -2.3480,Plg25.0000°,Azm284.0000°
$M_0$2.17800×10^{17}
ISC II 25 13 24 39.4–.32 5.99S–.05 147.41E–.05 100 4.9b 174 3-154
IDC II 25 13 24 38.2–1.4 5.94S 147.40E 83–12 4.5,4.2b ¶610241246
BJI II 25 13 24 38.3–.00 5.95S 147.84E 105 5.1b,4.5b
DJA II 25 13 24 40.0–.30 6S–2.0 147E–3.0 94–4 5.5,5.3b
NEIC II 25 13 24 40.0–2.4 5.98S–.08 147.39E–.07 100–6 5.0b,5.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 28 06 38 08.8–.84 5.22S–.08 146.6E–.20 200 4.0b 23 4-85
IDC II 28 06 38 09.1–3.2 5.16S 146.76E 207–33 4.2,3.6b ¶610385177
ISC Event type ke.
IDC Error ellipse: s-maj=28.4km s-min=18.8km az=115.0.
IDC II 28 10 13 21.1–3.0 6.24S 147.74E 0 3.6,3.6b
¶610385193
IDC Error ellipse: s-maj=73.0km s-min=35.4km az=94.0.
ISC II 28 15 52 14.1–.37 8.02S–.04 147.89E–.06 50 4.7b,3.8s 122 2-153
IDC II 28 15 52 14.3–1.3 8.01S 148.01E 54–13 4.4,4.0b ¶610241904
DJA II 28 15 52 15.5–.50 8S–4.0 148E–5.0 53–7 5.2,5.0b
NEIC II 28 15 52 15–1.1 7.98S–.02 147.90E–.08 55–7 4.7b,5.0b

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 02 04 50 53.9–.35 5.85S–.04 147.10E–.06 78 4.7b 214 4-154
BJI III 02 04 50 50.6–.00 5.91S 147.45E 75 5.1b,4.7b ¶610243169
IDC III 02 04 50 51.9–1.6 5.80S 147.17E 62–14 4.5,4.2b
NEIC III 02 04 50 53.1–1.5 5.82S–.08 147.13E–.10 70–7 4.7b,4.2b
DJA III 02 04 50 53.9–.30 6S–2.0 147E–3.0 70–4 5.5b,5.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 02 06 58 31.7–.54 5.72S–.06 147.23E–.06 200 4.2b 56 4-145
IDC III 02 06 58 28.3–1.7 5.55S 147.11E 173–14 4.5,3.9b ¶610545369
NEIC III 02 06 58 29.4–.92 5.52S–.06 147.10E–.07 169–8 4.4b,3.9b
DJA III 02 06 58 31.7–.80 6S–3.0 147E–3.0 31–10 5.5b,5.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC III 02 15 48 37.4–3.2 6.43S 147.42E 0 3.4L,3.3
¶610545397
IDC Error ellipse: s-maj=79.6km s-min=34.3km az=91.0.
ISC III 03 10 46 53.5–.28 5.68S–.04 147.25E–.04 122 4.7b 364 4-154
BJI III 03 10 46 50.7–.00 5.68S 147.61E 116 5.2b,4.6b ¶610244617
DJA III 03 10 46 53.8–.40 6S–4.0 147E–4.0 110–5 5.6,5.4b
IDC III 03 10 46 54.2–1.2 5.63S 147.29E 131–10 4.5,4.1b
NEIC III 03 10 46 54.2–1.4 5.61S–.08 147.26E–.06 122–5 4.8b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC III 05 15 16 01.8–2.0 6.03S 147.29E 0 3.4,3.4L
¶610545598
IDC Error ellipse: s-maj=45.5km s-min=27.8km az=124.0.
ISC III 08 07 30 43.2–.30 6.32S–.04 147.58E–.06 63 4.8b 229 3-153
BJI III 08 07 30 39.2–.00 6.31S 148.07E 60 5.1b,4.8b ¶610273100
IDC III 08 07 30 42.9–1.3 6.27S 147.51E 62–11 4.7,4.4b
DJA III 08 07 30 43.8–.40 6S–2.0 148E–3.0 70–4 5.7b,5.3
NEIC III 08 07 30 44.0–1.2 6.30S–.03 147.59E–.10 67–7 4.7b,5.3
GCMT III 08 07 30 46.0–.40 6.54S–.03 147.62E–.03 64–3 4.8W,5.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function. Moment Tensor Solution. s34,c39; s53,c63;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}1.72±.14 $M_{\theta\theta}$-1.39±.12; $M_{\phi\phi}$-0.32±.13; $M_{r\theta}$1.29±.08;
$M_{\theta\phi}$-0.53±.12; $M_{\phi r}$-0.06±.09; Best double couple: NP1:ϕ_s82.00000°,δ64.00000°,λ102.00000°.
NP2:ϕ_s237.00000°,δ28.00000°,λ68.00000°. Principal axes: T 2.2070,Plg69.0000°
,Azm15.0000°; N -0.2080,Plg10.0000°,Azm257.0000°; P -1.9930,Plg18.0000°
,Azm163.0000° $M_0$2.10000×10^{16}
ISC III 09 12 11 26.1–.52 7.54S–.05 147.04E–.09 32 4.4b 59 2-153
IDC III 09 12 11 21.2–.72 7.46S 147.15E 0 4.2,4.2b ¶610312607
DJA III 09 12 11 25.5–2.8 8S–7.0 147E–8.0 22–22 5.5b,4.9
NEIC III 09 12 11 26.2–1.5 7.58S–.09 147.0E–.10 38–11 4.2b,4.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC III 10 18 10 10.2–4.2 5.01S 147.17E 184–50 3.6,3.0b
¶610545977
IDC Error ellipse: s-maj=93.1km s-min=32.6km az=108.0.
IDC III 11 01 32 58.4–6.8 6.38S 147.64E 136–74 3.4,2.9b
¶610545990
IDC Error ellipse: s-maj=131.4km s-min=33.9km az=132.0.
ISC III 11 16 40 19.7–.75 8.43S–.09 147.5E–.10 35 4.0b 15 1-146
IDC III 11 16 40 15.3–1.1 8.29S 147.46E 0 4.2L,4.0 ¶610546022
ISC Event type ke.
IDC Error ellipse: s-maj=36.1km s-min=9.9km az=100.0.
IDC III 12 05 07 14.7–3.4 6.49S 147.86E 0 3.6b,3.5
¶610546061
IDC Error ellipse: s-maj=89.3km s-min=35.5km az=100.0.
ISC III 13 00 48 27.7–.66 6.21S–.08 147.6E–.10 77 4.2b 45 3-146
DJA III 13 00 48 20.5–.60 6S–5.0 147E–6.0 10 5.8b,5.3 ¶610326164
IDC III 13 00 48 25.9–2.3 6.11S 147.61E 67–22 4.0,3.6b
NEIC III 13 00 48 28.1–.69 6.3S–.10 147.5E–.10 57–17 4.1b,3.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC III 13 06 09 32.5–3.1 6.11S 147.46E 0 3.5,3.4b
¶610546117
IDC Error ellipse: s-maj=74.0km s-min=34.3km az=93.0.
IDC III 14 04 10 36.1–3.7 5.90S 146.47E 0 3.3,2.8b
¶610546176
IDC Error ellipse: s-maj=68.7km s-min=52.8km az=94.0.
ISC III 15 16 38 18.1–.34 5.47S–.05 146.89E–.06 200 4.4b 130 4-145
IDC III 15 16 38 18.8–.72 5.41S 146.97E 210–7 4.5,3.9b ¶610329600
BJI III 15 16 38 18.4–.00 5.27S 147.10E 214 4.9b,4.4b
NEIC III 15 16 38 19.2–1.6 5.48S–.08 146.90E–.05 207–7 4.5b,4.4b
DJA III 15 16 38 19.1–.40 5S–4.0 147E–4.0 196–6 5.1,5.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC III 16 06 01 04.2–5.7 7.07S 148.64E 131–38 3.5,3.0b
¶610546295
IDC Error ellipse: s-maj=118.3km s-min=52.4km az=120.0.
ISC III 16 14 12 14.0–.38 6.42S–.05 147.26E–.06 63 4.7b 156 3-153
IDC III 16 14 12 10.4–2.9 6.32S 147.43E 33–20 4.8L,4.4 ¶610330729
NEIC III 16 14 12 15.7–2.7 6.41S–.06 147.26E–.09 84–5 4.7b,4.4
DJA III 16 14 12 15.9–.30 6S–3.0 147E–4.0 74–2 6.0,6.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 16 22 19 55.0–.65 6.36S–.07 146.4E–.10 110 4.1b 53 3-145
NEIC III 16 22 19 56.1–1.2 6.3S–.10 146.4E–.20 112–9 4.2b ¶610546338
IDC III 16 22 19 57.9–1.5 6.57S 146.52E 148–18 4.2,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=23.4km s-min=15.2km az=81.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=26.8km s-min=12.9km az=106.0.
IDC III 20 02 17 33.2–3.4 7.48S 148.22E 0 3.5,3.2b
¶610543296
IDC Error ellipse: s-maj=104.4km s-min=40.3km az=114.0.
ISC III 23 05 44 01.6–.43 5.28S–.05 145.71E–.07 100 4.5b 117 4-99
BJI III 23 05 43 57.1–.00 5.38S 146.24E 92 5.1b,4.7b ¶610434663
IDC III 23 05 44 01.0–.67 5.24S 145.75E 94–6 4.3,4.0b
NEIC III 23 05 44 00.8–1.5 5.27S–.09 145.7E–.10 87–8 4.6b,4.0b
DJA III 23 05 44 02.0–.40 5S–3.0 146E–4.0 86–6 5.2b,4.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC III 24 03 01 43.6–6.7 6.08S 147.24E 95–50 4.0,3.6b
¶610543573
IDC Error ellipse: s-maj=72.3km s-min=51.2km az=89.0.
ISC III 25 09 07 46.0–.25 5.18S–.03 145.44E–.04 91–1 5.4b 867 5-168
BJI III 25 09 07 42.0–.00 5.20S 145.93E 92 5.1b,5.1b ¶610471021
MOS III 25 09 07 43.7–.65 5.13S 145.34E 84 5.3b,5.1b
NEIC III 25 09 07 44.9–1.6 5.13S–.07 145.39E–.08 73–4 5.5b,5.3
NEIC III 25 09 07 45.4 5.13S 145.39E 80 5.5b,5.3
IDC III 25 09 07 45.5–.48 5.17S 145.42E 85–4 5.3,4.9b
NEIC III 25 09 07 45.4 5.13S 145.39E 80 5.3,4.9b
DJA III 25 09 07 46.6–.30 5S–2.0 145E–2.0 89–3 6.0,5.8b
GCMT III 25 09 07 47.9–.10 5.16S–.01 145.36E–.01 94–1 5.3W,5.8b
KLM III 25 09 07 47 5.15S 145.43E 82 5.6b,5.8b

ISC Event type se. Moment Tensor Solution. NP1:ϕ_s40.30242°,δ30.02454°,λ68.55658°. NP2: ϕ_s244.70357°,δ62.24222°,λ101.92989°. Principal axes: T Plg70.3127°,Azm180.4178° ; N Plg10.5403°,Azm59.0838°; P Plg16.4332°,Azm325.9378° Moment Tensor Solution. NP1: ϕ_s246.52799°,δ64.55210°,λ146.95607°. NP2:ϕ_s352.14435°,δ60.50309°,λ29.58274°. Principal axes: T Plg40.6925°,Azm207.9486°; N Plg49.1936°,Azm33.0810°; P Plg2.5405° ,Azm300.1352°
MOS Error ellipse: s-maj=9.1km s-min=5.0km az=106.6.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=10.2km az=65.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution.Duration: 2s2 Moment tensor: Scale 10^{17}Nm; M_{rr}0.24 $M_{\theta\theta}$-0.22 $M_{\phi\phi}$-0.02 $M_{r\theta}$-0.69 $M_{\theta\phi}$-0.71 $M_{\phi r}$0.03 NP1:ϕ_s268.42000°,δ81.04000° ,λ134.06000°. NP2:ϕ_s7.56000°,δ44.78000°,λ12.77000°. Principal axes: T 0.9777,Plg38.0000°,Azm217.0000°; N 0.0768,Plg43.0000°,Azm80.0000° ; P -1.0545,Plg23.0000°,Azm326.0000° $M_0$1.02000×10^{17}
IDC Error ellipse: s-maj=12.6km s-min=7.3km az=74.0.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s102,c165; s136,c242;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}0.34±.02 $M_{\theta\theta}$-0.30±.02; $M_{\phi\phi}$-0.03±.02; $M_{r\theta}$-0.77±.01; $M_{\theta\phi}$-0.68±.01; $M_{\phi r}$-0.07±.01; Best double couple: NP1:ϕ_s265.00000°,δ79.00000°,λ126.00000°. NP2:ϕ_s10.00000°,δ38.00000°,λ19.00000°. Principal axes: T 0.9730,Plg44.0000° ,Azm211.0000°; N 0.1810,Plg35.0000°,Azm77.0000°; P -1.1530,Plg25.0000°,Azm327.0000° $M_0$1.06300×10^{17}
ISC III 25 10 10 58.4–.63 5.09S–.07 145.56E–.09 64 4.2b 46 5-85
IDC III 25 10 10 59.6–3.3 5.16S 145.58E 74–32 4.0,3.6b ¶610435118
NEIC III 25 10 11 01.7–1.1 5.21S–.06 145.5E–.10 91–7 4.2b,3.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC III 26 00 59 13.3–7.0 5.74S 147.41E 157–78 3.9,3.1b
¶610543686
IDC Error ellipse: s-maj=132.2km s-min=49.6km az=121.0.
ISC III 26 06 53 45.5–.52 5.19S–.05 145.40E–.06 78–5 4.5b 123 4-99
IDC III 26 06 53 45.9–.68 5.13S 145.48E 87–6 4.3,3.9b ¶610435151
NEIC III 26 06 53 45.4–1.5 5.19S–.07 145.30E–.06 75–6 4.5b,3.9b
DJA III 26 06 53 47.6–.50 5S–4.0 145E–4.0 94–6 5.5b,5.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC III 26 22 43 20.2–6.0 5.76S 147.72E 177–57 3.7,3.2b
¶610543753
IDC Error ellipse: s-maj=108.4km s-min=52.0km az=121.0.
ISC III 31 21 17 35.6–.85 6.35S–.10 147.8E–.10 63 4.0b 21 3-146
IDC III 31 21 17 34.2–7.6 6.26S 147.83E 64–56 4.1,4.1L ¶610544074
NEIC III 31 21 17 34.3–.87 6.4S–.10 147.8E–.10 35–2 4.1b,4.1L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 01 04 47 47.4–.72 6.33S–.08 147.7E–.10 50 4.1b,3.4s 23 3-153
DJA IV 01 04 47 47.7–.40 6S–4.0 148E–5.0 42–3 5.6b,5.1 ¶610651680
IDC IV 01 04 47 48.2–2.7 6.46S 147.78E 61–27 4.1L,4.0
ISC Event type ke.
IDC Error ellipse: s-maj=39.5km s-min=14.0km az=116.0.
ISC IV 02 10 31 15.9–.48 6.71S–.06 147.93E–.08 51 4.2b,3.6s 69 3-153
IDC IV 02 10 31 08.5–.63 6.66S 148.06E 0 4.2,4.2L ¶610470185
NEIC IV 02 10 31 18.2–1.1 6.78S–.06 147.9E–.10 66–11 4.2b,4.2L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 08 12 23 16.8–.34 5.60S–.05 147.05E–.06 150 4.6b 188 4-154
BJI IV 08 12 23 13.8–.00 5.52S 147.32E 146 4.9b,4.8b ¶610523722
DJA IV 08 12 23 15.5–.30 5S–3.0 147E–3.0 139–3 5.5b,5.4
IDC IV 08 12 23 15.2–1.2 5.61S 147.08E 137–12 4.8,4.3b
NEIC IV 08 12 23 18.2–1.6 5.60S–.08 147.1E–.10 159–7 4.6b,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 14 06 52 38.0–1.3 6.3S–.10 146.7E–.20 100 3.6b 9 3-145
IDC IV 14 06 52 40.6–3.4 6.51S 146.78E 127–34 3.6,3.2b ¶610528297
ISC Event type ke.
IDC Error ellipse: s-maj=40.2km s-min=29.4km az=112.0.
IDC IV 16 23 08 38.5–6.2 7.07S 146.88E 117–62 3.4,3.0b
¶610652893
IDC Error ellipse: s-maj=85.5km s-min=52.4km az=120.0.
IDC IV 20 02 59 45.4–5.0 5.28S 145.19E 0 3.4,2.8b
¶610653091
IDC Error ellipse: s-maj=74.3km s-min=62.0km az=28.0.
IDC IV 20 20 53 37.3–2.6 7.96S 147.28E 143–48 3.0,2.6b
¶610653134
IDC Error ellipse: s-maj=145.1km s-min=39.5km az=114.0.
ISC IV 20 21 43 26.8–.76 5.29S–.08 145.98E–.10 69 4.0b 34 4-151
IDC IV 20 21 43 27.0–3.4 5.35S 145.96E 73–30 4.0,3.6b ¶610653138
NEIC IV 20 21 43 27.3–1.4 5.25S–.09 146.0E–.10 67–9 4.1b,3.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IV 21 10 00 50.7–3.9 5.15S 146.56E 0 3.6,3.6b
¶610653188
IDC Error ellipse: s-maj=61.1km s-min=54.6km az=58.0.
ISC IV 23 20 42 59.0–1.2 5.8S–.10 147.5E–.20 250 3.3b 9 4-145
IDC IV 23 20 42 58.8–1.9 5.71S 147.24E 236–23 3.7,3.0b ¶610649831
ISC Event type ke.
IDC Error ellipse: s-maj=57.3km s-min=14.1km az=114.0.
ISC IV 24 16 34 17.1–.63 6.97S–.07 146.1E–.10 170 3.9b 52 3-151
IDC IV 24 16 34 15.8–1.9 6.81S 146.21E 155–23 3.9,3.5b ¶610649905
NEIC IV 24 16 34 15.7–1.9 6.9S–.10 146.1E–.10 155–10 4.0b,3.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 27 12 01 47.1–.70 5.60S–.08 147.29E–.09 100 4.2b 57 4-145
IDC IV 27 12 01 48.3–2.5 5.70S 147.37E 115–22 4.3,3.9b ¶610650130
NEIC IV 27 12 01 49.6–1.6 5.67S–.10 147.4E–.10 119–9 4.4b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 27 15 23 09.5–.82 5.47S–.08 147.12E–.08 200 4.2b 48 3-145
NEIC IV 27 15 23 09.3–1.7 5.43S–.08 147.1E–.10 185–11 4.3b ¶610650144
IDC IV 27 15 23 11.3–2.8 5.71S 147.42E 209–28 4.1,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.0km s-min=11.2km az=101.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=55.0km s-min=18.7km az=126.0.
IDC IV 28 03 57 51.9–6.2 5.33S 147.14E 180–66 3.7,3.0b
¶610650187
IDC Error ellipse: s-maj=95.8km s-min=29.5km az=132.0.
ISC IV 28 15 37 57.3–.74 6.22S–.08 147.89E–.07 60 4.5b 51 3-40
IDC IV 28 15 37 48.5–2.7 5.92S 147.46E 0 4.2,4.1b ¶610650226
NEIC IV 28 15 37 56.4–1.1 6.0S–.10 147.8E–.10 72–11 4.4b,4.1b
DJA IV 28 15 37 57.5–.50 6S–4.0 148E–5.0 66–7 5.0,4.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IV 30 02 59 01.0–6.4 5.51S 147.36E 198–71 3.6,3.0b
¶610650376
IDC Error ellipse: s-maj=122.7km s-min=30.1km az=130.0.
IDC V 03 12 58 37.2–6.3 7.04S 147.73E 66–61 4.1,3.8b
¶610689481
IDC Error ellipse: s-maj=87.8km s-min=42.7km az=123.0.
IDC V 04 07 11 41.2–5.3 5.59S 147.25E 184–37 4.0,3.3b
¶610689529
IDC Error ellipse: s-maj=55.5km s-min=47.9km az=141.0.
ISC V 04 16 35 17.7–.59 5.44S–.05 146.92E–.08 274 3.9b 55 3-145
IDC V 04 16 35 17.5–1.1 5.48S 147.01E 274–17 4.0,3.2b ¶610689556
NEIC V 04 16 35 17.7–2.1 5.39S–.06 146.88E–.10 264–8 4.2b,3.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 05 01 52 05.8–.73 6.11S–.09 147.9E–.10 60 4.3b,3.5s 16 3-146
IDC V 05 01 52 05.6–.83 6.13S 147.95E 52–7 4.2,3.9b ¶610689579
ISC Event type ke.
IDC Error ellipse: s-maj=31.2km s-min=10.0km az=107.0.
IDC V 06 02 32 47.2–8.1 6.17S 147.80E 60–72 3.4,2.9b
¶610689639
IDC Error ellipse: s-maj=98.3km s-min=54.1km az=109.0.
ISC V 07 11 48 46.2–1.5 6.2S–.20 147.9E–.40 150 6 3-146
IDC V 07 11 48 44.1–5.1 6.06S 147.91E 123–60 3.7,3.2b ¶610689721
ISC Event type ke.
IDC Error ellipse: s-maj=118.0km s-min=16.8km az=128.0.
ISC V 10 16 01 37.6–1.2 5.5S–.10 147.1E–.20 10 3.6b 8 4-145
IDC V 10 16 01 36.0–1.4 5.40S 147.13E 0 3.7,3.6b ¶610689976
ISC Event type ke.
IDC Error ellipse: s-maj=44.4km s-min=23.8km az=124.0.
IDC V 14 02 47 14.3–2.4 5.43S 146.29E 0 3.1,3.1b
¶610690235
IDC Error ellipse: s-maj=326.7km s-min=32.1km az=121.0.
ISC V 14 17 33 40.3–.88 5.7S–.10 147.32E–.09 150 3.5b 11 4-145
IDC V 14 17 33 38.5–1.8 5.69S 147.41E 133–14 3.9,3.3b ¶610690290
ISC Event type ke.
IDC Error ellipse: s-maj=27.2km s-min=13.4km az=106.0.
IDC V 17 04 41 47.7–2.0 5.67S 147.71E 0 3.7,3.5L
¶610690467
IDC Error ellipse: s-maj=48.5km s-min=26.8km az=148.0.
ISC V 18 10 29 21.8–1.2 5.6S–.10 147.4E–.20 200 4.4b 29 4-145
IDC V 18 10 29 19.5–2.6 5.51S 147.11E 175–25 4.3,3.5b ¶612489743
ISC Event type ke.
IDC Error ellipse: s-maj=55.6km s-min=14.6km az=118.0.
IDC V 22 02 16 41.9–1.7 6.04S 147.20E 0 3.6L,3.4
¶610685114
IDC Error ellipse: s-maj=86.2km s-min=28.9km az=117.0.
IDC V 23 09 36 48.4–2.5 5.22S 147.65E 0 4.4L,3.8
¶610685210
IDC Error ellipse: s-maj=275.5km s-min=31.4km az=122.0.
IDC V 23 09 41 03.1–2.9 7.79S 148.90E 0 3.8L,3.4
¶610685212
IDC Error ellipse: s-maj=256.3km s-min=32.0km az=127.0.
ISC V 26 16 27 10.2–.68 5.28S–.09 147.2E–.10 200 4.3b 32 3-145
NEIC V 26 16 27 08.3–.84 5.3S–.10 147.51E–.09 180–12 4.2b ¶610685439
IDC V 26 16 27 11.5–2.3 5.35S 147.19E 202–26 4.0,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.7km s-min=11.3km az=215.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=47.4km s-min=14.7km az=120.0.
ISC V 26 23 54 25.7–.63 5.87S–.07 147.26E–.08 50 4.2b,3.0s 56 5-145
IDC V 26 23 54 25.9–3.7 5.79S 147.17E 72–33 4.2,4.1L ¶610685461
DJA V 26 23 54 26.5–.60 6S–5.0 147E–5.0 51–7 5.6,5.3b
NEIC V 26 23 54 27.1–.94 5.8S–.10 147.2E–.10 67–16 4.3b,5.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 27 20 02 34.7–.62 5.86S–.08 145.8E–.10 100 3.8b 27 6-144
IDC V 27 20 02 36.6–3.4 5.98S 146.09E 130–36 3.9,3.5b ¶610685514
ISC Event type ke.
IDC Error ellipse: s-maj=31.7km s-min=15.9km az=112.0.
ISC VI 02 14 30 00.3–1.1 5.4S–.20 147.3E–.20 200 3.4b 6 5-145
IDC VI 02 14 30 01.8–2.3 5.44S 147.37E 219–26 3.7,3.1b ¶610791102
ISC Event type ke.
IDC Error ellipse: s-maj=29.5km s-min=21.7km az=124.0.
IDC VI 04 06 25 49.0–7.3 5.80S 146.51E 0 3.3L,3.2
¶610791216
IDC Error ellipse: s-maj=234.3km s-min=37.3km az=103.0.
IDC VI 04 21 39 30.1–4.7 6.94S 147.22E 0 3.8s,3.4L
¶610791255
IDC Error ellipse: s-maj=117.2km s-min=39.2km az=99.0.
ISC VI 06 04 18 20.1–1.1 6.0S–.20 147.7E–.20 77 3.5b 18 14-153
IDC VI 06 04 18 09.9–1.1 5.90S 147.74E 0 4.4L,3.8 ¶610791316
ISC Event type ke.
IDC Error ellipse: s-maj=51.4km s-min=24.6km az=107.0.
IDC VI 06 04 29 14.8–7.0 5.54S 147.68E 0 3.6L,3.4
¶610791318
IDC Error ellipse: s-maj=158.5km s-min=58.0km az=162.0.
ISC VI 06 07 22 56.5–.34 6.28S–.04 147.82E–.07 50 4.8b,3.6s 198 3-153
BJI VI 06 07 22 55.9–.00 6.27S 148.32E 84 5.0b,4.8b ¶610664111
IDC VI 06 07 22 56.1–1.8 6.24S 147.74E 46–16 4.8L,4.6
NEIC VI 06 07 22 57.9–2.0 6.27S–.08 147.76E–.10 59–7 4.7b,4.6
DJA VI 06 07 22 59.9–1.0 6S–5.0 148E–8.0 77–7 5.5b,4.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VI 11 21 09 48.4–2.9 6.70S 147.43E 0 3.7L,3.6
¶610791678
IDC Error ellipse: s-maj=65.5km s-min=39.2km az=96.0.
ISC VI 13 18 02 38.8–.60 6.33S–.04 147.58E–.05 66–5 4.7b 293 3-153
IDC VI 13 18 02 38.2–1.7 6.27S 147.58E 57–15 4.6,4.3b ¶611600308
NEIC VI 13 18 02 38.5–1.9 6.28S–.06 147.62E–.09 59–6 4.7b,4.3b
DJA VI 13 18 02 41.0–.80 6S–5.0 148E–7.0 76–5 5.4b,5.3
GCMT VI 13 18 02 42.5–.30 6.50S–.02 147.79E–.03 83–3 4.8W,5.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s35,c39; s68,c91;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.10±.12 $M_{\theta\theta}$-0.51±.12; $M_{\phi\phi}$-0.58±.13; $M_{r\theta}$1.23±.06; $M_{\theta\phi}$-1.69±.09; $M_{\phi r}$-0.38±.08; Best double couple: NP1:ϕ_s80.00000°,δ68.00000°,λ137.00000°. NP2:ϕ_s189.00000°,δ51.00000°,λ28.00000°. Principal axes: T 2.3010,Plg45.0000° ,Azm37.0000°; N 0.0550,Plg43.0000°,Azm238.0000°; P -2.3530,Plg11.0000°,Azm138.0000° $M_0$2.32700×10^{16}
IDC VI 14 06 04 55.9–7.6 5.72S 147.46E 153–81 3.9,3.3b
¶610791833
IDC Error ellipse: s-maj=122.1km s-min=29.9km az=133.0.
ISC VI 15 10 19 37.1–.51 6.30S–.05 147.59E–.08 63 4.3b 103 3-153
IDC VI 15 10 19 36.0–1.8 6.24S 147.56E 53–15 4.4L,4.1 ¶610791936
NEIC VI 15 10 19 37.3–1.9 6.30S–.06 147.6E–.10 64–7 4.4b,4.1
DJA VI 15 10 19 37.2–1.8 6S–10 148E–16 46–11 5.0b,4.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VI 16 21 26 60.0–8.7 5.20S 145.46E 75–62 3.8,3.4b
¶610792026
IDC Error ellipse: s-maj=89.4km s-min=50.3km az=42.0.
IDC VI 21 08 47 11.7–5.0 5.74S 147.65E 200–46 3.7,3.1b
¶610789200
IDC Error ellipse: s-maj=91.3km s-min=46.7km az=122.0.
ISC VI 21 20 35 15.9–1.3 5.8S–.10 146.9E–.20 78 10 4-145
IDC VI 21 20 35 17.6–2.8 5.91S 146.84E 97–25 3.7,3.1b ¶610789231
ISC Event type ke.
IDC Error ellipse: s-maj=37.5km s-min=18.4km az=65.0.
ISC VI 22 03 45 00.9–1.3 7.6S–.10 147.0E–.30 100 3.6b 9 2-145
IDC VI 22 03 45 02.4–2.2 7.71S 147.14E 117–18 3.7,3.4b ¶610789246
ISC Event type ke.

IDC Error ellipse: s-maj=56.9km s-min=23.6km az=87.0.
IDC VI 27 01 22 24.4–7.3 6.72S 146.73E 110–74 3.7L,3.6 ¶610789531
IDC Error ellipse: s-maj=89.5km s-min=53.7km az=122.0.
ISC VI 29 11 13 19.8–.68 6.35S–.07 147.9E–.10 51 3.9b 18 3-146
IDC VI 29 11 13 20.3–2.1 6.33S 147.95E 55–21 4.0,3.8L **¶610789714**
ISC Event type ke.
IDC Error ellipse: s-maj=29.2km s-min=14.3km az=106.0.
ISC VI 30 11 45 00.1–1.2 6.19S–.10 146.3E–.20 100 3.4b 10 3-144
IDC VI 30 11 45 02.5–2.7 6.35S 146.56E 130–28 3.7,3.2s **¶610789784**
ISC Event type ke.
IDC Error ellipse: s-maj=41.6km s-min=17.8km az=111.0.

SEISMIC REGION 17.
Caroline Islands to Guam.

(209) Western Caroline Islands.

ISC I 01 05 52 48.3–.77 11.5N–.10 140.64E–.10 43 4.1b,2.9s 19 5-152
IDC I 01 05 52 49.2–3.5 11.52N 140.72E 51–32 4.0L,3.9 **¶610236359**
ISC Event type ke.
IDC Error ellipse: s-maj=20.8km s-min=18.5km az=96.0.
ISC I 05 06 54 42.2–1.2 11.5N–.20 139.7E–.40 22 3.6b 6 32-73
IDC I 05 06 54 39.0–1.3 11.51N 139.65E 0 3.6,3.6b **¶610236760**
ISC Event type ke.
IDC Error ellipse: s-maj=62.0km s-min=21.2km az=88.0.
IDC I 07 21 25 31.6–5.2 8.06N 137.94E 0 3.7,3.7b ¶610236926
IDC Error ellipse: s-maj=150.6km s-min=60.1km az=5.0.
IDC I 08 06 55 07.6–3.5 5.65N 133.61E 0 3.6,3.6b ¶610236951
IDC Error ellipse: s-maj=215.4km s-min=23.1km az=75.0.
IDC I 11 14 55 13.3–3.3 12.37N 140.81E 0 4.0s,3.7 ¶610056568
IDC Error ellipse: s-maj=162.8km s-min=27.1km az=82.0.
ISC I 12 09 22 39.0–.96 11.1N–.20 142.0E–.20 44 3.5b 8 4-91
IDC I 12 09 22 32.6–1.0 11.17N 142.08E 0 3.7,3.7b **¶610237232**
ISC Event type ke.
IDC Error ellipse: s-maj=43.2km s-min=23.9km az=97.0.
ISC I 13 04 31 40.8–.95 12.2N–.10 141.0E–.20 35 3.9b 7 4-91
IDC I 13 04 31 46.5–6.9 12.24N 141.46E 98–76 4.3L,4.0 **¶610237276**
ISC Event type ke.
IDC Error ellipse: s-maj=91.4km s-min=20.3km az=92.0.
IDC I 13 06 36 45.7–3.1 12.13N 140.67E 0 4.5s,3.7 ¶610237282
IDC Error ellipse: s-maj=145.7km s-min=23.3km az=75.0.
ISC I 16 01 34 43.6–1.3 8.3N–.20 138.8E–.40 35 4.7s,3.9b 6 28-96
IDC I 16 01 34 38.2–1.6 8.35N 138.84E 0 4.5s,3.8 **¶610237466**
ISC Event type ke.
IDC Error ellipse: s-maj=62.5km s-min=31.3km az=82.0.
ISC I 16 02 10 46.2–2.0 8.3N–.20 137.6E–.70 35 3.9b 6 28-70
IDC I 16 02 10 41.1–2.1 8.33N 137.58E 0 3.8,3.8b **¶610237472**
ISC Event type ke.
IDC Error ellipse: s-maj=104.4km s-min=22.6km az=82.0.
IDC I 17 11 48 35.0–1.1 10.49N 138.84E 0 3.6,3.6b ¶610237596
IDC Error ellipse: s-maj=101.4km s-min=21.7km az=98.0.
IDC II 06 06 16 07.4–336 9.59N 132.50E 0 ¶610414935
IDC Error ellipse: s-maj=155.1km s-min=65.0km az=130.0.
IDC II 09 01 10 58.1–6.4 11.80N 139.68E 0 3.6,3.6b ¶610415150
IDC Error ellipse: s-maj=269.4km s-min=29.5km az=76.0.
ISC II 22 20 49 44.1–1.3 8.4N–.20 138.1E–.40 46 3.7b 6 30-76
IDC II 22 20 49 37.7–1.5 8.45N 138.12E 0 3.7,3.7b **¶610384830**
ISC Event type ke.
IDC Error ellipse: s-maj=60.5km s-min=27.3km az=84.0.
IDC III 07 04 01 14.8–1.6 9.91N 138.36E 0 3.5,3.5b ¶610545695
IDC Error ellipse: s-maj=63.1km s-min=32.7km az=82.0.
ISC III 26 19 24 43.5–1.0 10.5N–.20 140.0E–.10 35 3.8b 9 6-88
IDC III 26 19 24 46.9–3.7 10.45N 140.15E 70–34 4.0L,3.8 **¶610543739**
ISC Event type ke.
IDC Error ellipse: s-maj=32.0km s-min=21.4km az=138.0.
ISC IV 03 07 48 02.8–.85 11.2N–.10 140.4E–.10 33 3.6b 11 5-152
IDC IV 03 07 48 04.7–3.9 11.22N 140.52E 46–38 3.7,3.7L **¶610651816**
ISC Event type ke.
IDC Error ellipse: s-maj=33.7km s-min=20.3km az=98.0.
ISC IV 03 08 59 06.1–.67 11.4N–.10 140.39E–.09 35 4.3b 33 5-92
IDC IV 03 08 59 02.1–.79 11.46N 140.09E 0 4.0L,3.7 **¶610651823**
NEIC IV 03 08 59 05.6–1.6 11.52N–.06 140.5E–.10 35–2 4.4b,3.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 11 21 54 23.4–.40 11.61N–.05 141.42E–.06 27–2 4.9b,4.7s 393 4-151
BJI IV 11 21 54 17.6–.00 11.35N 141.59E 13 5.9b,4.9s **¶610526841**
IDC IV 11 21 54 19.1–.54 11.59N 141.50E 0 4.4,4.4b
NEIC IV 11 21 54 23.9–.91 11.59N–.09 141.5E–.10 30–5 4.9b,4.4b
GCMT IV 11 21 54 25.9–.40 11.51N–.03 141.45E–.05 27–1 5.0W,4.4b
DJA IV 11 21 54 28.0–1.2 12N–11 141E–14 50–20 5.8b,5.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s17,c21; s65,c95;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.37±.35 $M_{\theta\theta}$-3.05±.20; $M_{\phi\phi}$-0.32±.19; $M_{r\theta}$-0.23±.29; $M_{\theta\phi}$-0.35±.11; $M_{\phi r}$1.09±.42; Best double couple: NP1:ϕ_s278.00000°,δ48.00000°,λ111.00000°. NP2:ϕ_s68.00000°,δ46.00000°,λ68.00000°. Principal axes: T 3.6820,Plg74.0000° ,Azm260.0000°; N -0.5870,Plg16.0000°,Azm83.0000°; P -3.0950,Plg1.0000°,Azm353.0000° $M_0$3.38800×10^{16}
IDC IV 12 17 16 00.8–3.0 7.09N 134.23E 0 3.3,3.3b ¶610652571
IDC Error ellipse: s-maj=172.3km s-min=23.8km az=76.0.
ISC IV 16 13 03 46.0–1.3 11.4N–.20 141.0E–.40 45 3.5b 7 32-91
IDC IV 16 13 03 39.5–1.4 11.46N 141.11E 0 3.6,3.6b **¶610652869**
ISC Event type ke.
IDC Error ellipse: s-maj=68.0km s-min=23.2km az=85.0.
ISC IV 18 02 37 49.1–.47 8.29N–.06 137.51E–.08 35 4.6b,3.9s 120 3-154
IDC IV 18 02 37 42.9–.66 8.29N 137.71E 0 4.3,4.3b **¶610529600**
DJA IV 18 02 37 48.6–.60 8N–3.0 138E–5.0 33–4 5.6b,5.1
GCMT IV 18 02 37 49.0–.40 8.44N–.06 137.60E–.05 23–1 4.9W,5.1
NEIC IV 18 02 37 49.0–1.1 8.4N–.10 137.5E–.20 28–6 4.6b,5.1
ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s19,c20; s75,c86;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.90±.25 $M_{\theta\theta}$-1.20±.14; $M_{\phi\phi}$-1.70±.16; $M_{r\theta}$-0.08±.30; $M_{\theta\phi}$-0.96±.09; $M_{\phi r}$-0.02±.28; Best double couple: NP1:ϕ_s219.00000°,δ46.00000°,λ91.00000°. NP2:ϕ_s37.00000°,δ44.00000°,λ89.00000°. Principal axes: T 2.9020,Plg89.0000° ,Azm180.0000°; N -0.4590,Plg1.0000°,Azm38.0000°; P -2.4430,Plg1.0000°,Azm308.0000° $M_0$2.67200×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 24 08 06 21.9–.95 10.0N–.10 140.6E–.10 26 3.6b 9 5-88
IDC IV 24 08 06 24.4–3.4 10.02N 140.69E 49–37 4.3L,3.6 **¶610649869**
ISC Event type ke.
IDC Error ellipse: s-maj=32.7km s-min=17.5km az=107.0.
ISC V 12 04 45 29.0–.99 11.9N–.20 141.9E–.10 50 3.6b 8 3-91
IDC V 12 04 45 30.6–3.8 11.90N 142.04E 69–38 4.1L,3.7 **¶610690100**
ISC Event type ke.
IDC Error ellipse: s-maj=39.0km s-min=27.4km az=129.0.
ISC V 29 12 12 22.4–.94 10.8N–.20 140.2E–.10 35 3.6b,2.9s 9 5-87
IDC V 29 12 12 16.7–1.1 10.88N 140.46E 0 3.6,3.6b **¶610685612**
ISC Event type ke.
IDC Error ellipse: s-maj=45.6km s-min=23.8km az=92.0.
ISC V 30 23 18 10.1–.57 11.64N–.09 140.64E–.10 100 4.1b 34 5-91
IDC V 30 23 18 09.0–3.8 11.59N 140.65E 91–36 4.0,3.6b **¶610685757**
NEIC V 30 23 18 09.4–1.7 11.71N–.09 140.6E–.10 89–8 4.3b,3.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 30 08 10 22.7–.55 11.99N–.05 140.46E–.06 28–3 4.7b,4.0s 261 5-152
BJI VI 30 08 10 17.9–.00 12.19N 141.12E 15 4.8b,4.7b **¶610712070**
IDC VI 30 08 10 17.4–.58 12.09N 140.21E 0 4.2,4.2b
NEIC VI 30 08 10 20.6–1.2 12.09N–.09 140.49E–.06 10–1 4.9b,4.2b
GCMT VI 30 08 10 22.6–.30 12.09N–.02 140.14E–.02 12–1 4.8W,4.2b
DJA VI 30 08 10 26.1–.50 12N–6.0 140E–5.0 31–3 5.3b,4.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s17,c19; s106,c139;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.95±.13 $M_{\theta\theta}$-0.81±.08; $M_{\phi\phi}$1.76±.11; $M_{r\theta}$-0.57±.26; $M_{\theta\phi}$1.73±.07; $M_{\phi r}$0.48±.23; Best double couple: NP1:ϕ_s167.00000°,δ70.00000°,λ-154.00000°. NP2:ϕ_s67.00000°,δ66.00000°,λ-22.00000°. Principal axes: T 2.6390,Plg3.0000° ,Azm296.0000°; N -0.5110,Plg58.0000°,Azm202.0000°; P -2.1240,Plg32.0000° ,Azm28.0000° $M_0$2.38200×10^{16}

(210) South of Mariana Islands.

IDC I 04 05 16 40.4–1.8 13.17N 146.75E 0 3.5,3.5b ¶610236671
IDC Error ellipse: s-maj=43.1km s-min=24.8km az=67.0.
IDC I 04 06 34 49.5–5.8 11.21N 143.30E 0 3.8,3.8b ¶610236676
IDC Error ellipse: s-maj=167.2km s-min=36.2km az=170.0.
ISC I 05 00 40 18.6–1.0 12.8N–.20 143.0E–.10 100 3.4b 7 2-61
IDC I 05 00 40 19.8–6.3 12.82N 143.18E 115–85 3.5,3.1b **¶610236747**
ISC Event type ke.
IDC Error ellipse: s-maj=97.7km s-min=19.9km az=87.0.
IDC I 05 02 34 02.1–1.1 12.82N 144.24E 0 3.4,3.4b ¶610236750
IDC Error ellipse: s-maj=46.9km s-min=15.5km az=119.0.
ISC I 06 03 55 48.7–.87 13.0N–.10 143.9E–.10 100 3.6b 13 1-88
IDC I 06 03 55 50.7–.97 13.03N 144.21E 124–9 3.8,3.4b **¶610236808**
ISC Event type ke.
IDC Error ellipse: s-maj=28.6km s-min=19.6km az=94.0.
ISC I 08 06 24 55.7–.74 13.0N–.10 143.7E–.10 200 3.5b 13 1-88
IDC I 08 06 24 56.0–.85 13.03N 143.75E 205–10 3.7,3.6s **¶610236949**
ISC Event type ke.
IDC Error ellipse: s-maj=30.6km s-min=11.8km az=93.0.
ISC I 11 02 16 55.4–1.1 12.9N–.20 141.7E–.10 100 3.6b 6 3-91
IDC I 11 02 16 58.3–3.6 12.89N 141.96E 138–39 3.9,3.4b **¶610237120**
ISC Event type ke.
IDC Error ellipse: s-maj=43.1km s-min=28.0km az=98.0.
ISC I 11 13 32 03.1–2.6 12.3N–.30 141.3E–.50 33 3.7b 6 33-60
IDC I 11 13 31 57.7–3.0 12.33N 141.37E 0 3.7,3.7b **¶610237152**
ISC Event type ke.
IDC Error ellipse: s-maj=96.8km s-min=25.1km az=65.0.
ISC I 11 14 21 03.0–.31 12.25N–.04 141.09E–.05 34 4.8b,3.6s 203 4-140
BJI I 11 14 20 57.4–.00 12.28N 141.30E 13 5.1b,4.6b **¶610056564**
NEIC I 11 14 20 59.9–1.8 12.25N–.08 141.04E–.10 10–1 4.9b,4.6b
IDC I 11 14 21 03.6–2.4 12.26N 141.21E 43–24 4.5,4.4L
DJA I 11 14 21 07.9–1.2 12N–5.0 141E–4.0 88–10 5.5,5.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 11 14 22 50.3–.50 12.18N–.07 141.03E–.08 34 4.5b 37 4-87
IDC I 11 14 22 45.7–.96 12.16N 141.06E 0 4.4,4.4b **¶610237157**
NEIC I 11 14 22 47.1–1.6 12.21N–.07 141.06E–.10 10–1 4.6b,4.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 11 14 35 59.4–.48 12.23N–.07 141.05E–.08 34 4.5b 47 4-91
NEIC I 11 14 35 56.6–1.0 12.2N–.10 141.1E–.10 10–1 4.5b **¶610237158**
IDC I 11 14 36 03.0–3.0 12.27N 141.17E 70–29 4.3,4.3L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.2km s-min=17.0km az=265.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=18.9km s-min=11.2km az=84.0.
ISC I 11 14 38 40.3–.40 12.21N–.03 141.05E–.03 22–4 5.4b,4.8s 997 4-173
BJI I 11 14 38 38.3–.00 12.47N 141.13E 9 5.5b,5.1s **¶611831546**
NEIC I 11 14 38 38.7–2.0 12.22N–.08 141.07E–.08 8–1 5.5b,5.2
MOS I 11 14 38 40.3–.98 12.20N 141.10E 36 5.7b,5.2s
GCMT I 11 14 38 40.7–.10 12.25N–.01 140.93E–.01 12 5.4W,5.2s
IDC I 11 14 38 43.3–1.6 12.21N 141.10E 46–16 5.2,5.0b
NEIC I 11 14 38 44.4 12.24N 141.06E 12 5.2,5.0b
DJA I 11 14 38 45.1–.50 12N–3.0 141E–3.0 62–5 5.7b,5.6
KLM I 11 14 38 47 12.19N 141.51E 112 5.4b,5.6
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s263.83603°,δ48.10446°,λ-92.92912°. NP2: ϕ_s88.21769°,δ41.97892°,λ-86.73988°. Principal axes: T Plg3.0650°,Azm355.9098° ; N Plg2.1799°,Azm265.7930°; P Plg86.2376°,Azm140.4235° Moment Tensor Solution. NP1: ϕ_s30.19207°,δ48.80674°,λ-108.56687°. NP2:ϕ_s237.21414°,δ44.49373°,λ-70.00839°. Principal axes: T Plg2.2177°,Azm133.2137°; N Plg13.8631°,Azm42.6661°; P Plg75.9536° ,Azm232.1183°
NEIC Event type se. Error ellipse: s-maj=13.9km s-min=12.8km az=248.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-7.97 $M_{\theta\theta}$5.44 $M_{\phi\phi}$2.53 $M_{r\theta}$2.16 $M_{\theta\phi}$4.44 $M_{\phi r}$3.22 NP1:ϕ_s63.52000°,δ33.89000°,λ-74.61000°. NP2:ϕ_s225.17000°,δ57.48000° ,λ-100.11000°. Principal axes: T 9.4289,Plg12.0000°,Azm322.0000°; N -0.4891,Plg9.0000° ,Azm231.0000°; P -8.9398,Plg75.0000°,Azm106.0000° $M_0$9.19000×10^{16}
MOS Error ellipse: s-maj=8.0km s-min=4.1km az=116.8.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s106,c165; s141,c249;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.98±.01 $M_{\theta\theta}$0.84±.01; $M_{\phi\phi}$0.13±.01; $M_{r\theta}$1.04±.04; $M_{\theta\phi}$0.35±.01; $M_{\phi r}$0.76±.04; Best double couple: NP1:ϕ_s237.00000°,δ72.00000°,λ-97.00000°. NP2:ϕ_s77.00000°,δ20.00000°,λ-71.00000°. Principal axes: T 1.6040,Plg26.0000° ,Azm332.0000°; N 0.0250,Plg6.0000°,Azm239.0000°; P -1.6290,Plg63.0000°,Azm136.0000° $M_0$1.61600×10^{17}
IDC Error ellipse: s-maj=10.7km s-min=7.3km az=78.0.
NEIC Event type se. Moment Tensor Solution.Duration: 2s2 Moment tensor: Scale 10^{16}Nm; M_{rr}-7.67 $M_{\theta\theta}$5.92 $M_{\phi\phi}$1.76 $M_{r\theta}$-2.53 $M_{\theta\phi}$3.83 $M_{\phi r}$2.23 NP1:ϕ_s79.11000°,δ52.38000° ,λ-63.57000°. NP2:ϕ_s219.95000°,δ44.83000°,λ-120.01000°. Principal axes: T 8.2679,Plg4.0000°,Azm151.0000°; N 0.6899,Plg21.0000°,Azm242.0000° ; P -8.9578,Plg69.0000°,Azm50.0000° $M_0$8.61000×10^{16}
ISC I 11 14 43 36.8–.40 12.26N–.06 141.10E–.09 30 4.7b 67 4-140
IDC I 11 14 43 32.1–.55 12.33N 141.27E 0 4.4,4.4b **¶610056567**
NEIC I 11 14 43 34.8–1.5 12.29N–.09 141.1E–.10 10–1 4.9b,4.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 11 14 45 31.2–.53 12.62N–.07 141.49E–.10 33 4.4b 29 3-91
IDC I 11 14 45 27.9–1.2 12.49N 141.51E 0 4.0,4.0b **¶610237159**
NEIC I 11 14 45 28.1–2.0 12.70N–.09 141.43E–.10 10–1 4.4b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 11 14 47 18.6–.86 12.3N–.10 141.4E–.20 33 4.0b 11 33-91
IDC I 11 14 47 13.6–.90 12.32N 141.45E 0 3.9,3.9b **¶610237160**
ISC Event type ke.
IDC Error ellipse: s-maj=37.7km s-min=18.1km az=89.0.
ISC I 11 14 55 49.9–.41 12.22N–.06 141.12E–.08 35 4.5b 67 4-140
NEIC I 11 14 55 47.1–1.1 12.26N–.08 141.10E–.07 10–1 4.7b **¶610237162**

IDC I 11 14 55 54.2–3.2 12.26N 141.29E 75–30 4.4,4.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.0km s-min=4.0km az=138.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=18.9km s-min=11.2km az=82.0.
IDC I 11 15 03 35.3–4.0 12.36N 141.61E 0 3.6,3.6b
¶610237164
IDC Error ellipse: s-maj=116.8km s-min=27.6km az=70.0.
ISC I 11 15 25 12.4–2.3 12.4N–.20 141.6E–.50 33 3.8b 7 33-69
IDC I 11 15 25 07.9–2.4 12.35N 141.58E 0 3.6,3.6b **¶610237167**
ISC Event type ke.
IDC Error ellipse: s-maj=86.5km s-min=21.0km az=74.0.
IDC I 11 15 44 06.6–4.9 12.02N 141.26E 0 3.6,3.6b
¶610237169
IDC Error ellipse: s-maj=203.6km s-min=30.5km az=76.0.
ISC I 11 16 23 08.9–1.3 12.20N–.05 141.13E–.07 52–13 4.7b,3.8s 173 4-140
NEIC I 11 16 23 03.8–1.6 12.25N–.08 141.06E–.08 10–1 4.9b,3.8s **¶610056573**
BJI I 11 16 23 05.9–.00 12.11N 141.36E 52 5.1b,4.7b
IDC I 11 16 23 09.8–2.7 12.21N 141.18E 61–26 4.5,4.3L
DJA I 11 16 23 14.1–2.5 12N–7.0 141E–10 86–22 4.8b,4.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC I 11 17 50 55.7–2.8 12.27N 141.33E 0 3.6,3.6b
¶610237175
IDC Error ellipse: s-maj=94.2km s-min=24.0km az=76.0.
ISC I 11 21 10 35.8–.44 12.25N–.07 141.06E–.09 30 4.4b,3.1s 55 4-87
NEIC I 11 21 10 33.7–1.4 12.27N–.03 141.1E–.10 10–1 4.5b,3.1s **¶610237196**
IDC I 11 21 10 39.3–3.5 12.30N 141.17E 66–34 4.5L,4.2
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.7km s-min=4.2km az=254.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=20.8km s-min=11.5km az=79.0.
ISC I 11 21 17 56.9–.55 12.18N–.09 141.2E–.10 35 4.2b,3.0s 34 4-91
NEIC I 11 21 17 54.6–.75 12.2N–.10 141.1E–.10 10–1 4.4b,3.0s **¶610237199**
IDC I 11 21 18 01.4–3.4 12.18N 141.39E 82–34 4.1,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.0km s-min=20.8km az=159.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=26.4km s-min=12.9km az=88.0.
IDC I 11 21 31 13.2–3.2 12.26N 141.30E 0 3.6,3.6b
¶610237201
IDC Error ellipse: s-maj=100.2km s-min=25.1km az=67.0.
ISC I 11 21 32 53.3–.79 12.3N–.10 141.5E–.10 33 3.6b 9 3-87
IDC I 11 21 32 59.4–4.1 12.26N 141.37E 86–43 3.6,3.3b **¶610237202**
ISC Event type ke.
IDC Error ellipse: s-maj=35.4km s-min=18.5km az=89.0.
ISC I 11 21 41 08.1–.31 12.27N–.04 141.11E–.05 30 4.9b,3.8s 298 4-94
IDC I 11 21 41 03.0–.49 12.34N 141.27E 0 4.6,4.6b **¶610057032**
MOS I 11 21 41 06.3–.87 12.27N 141.13E 32 5.2b,4.6b
BJI I 11 21 41 07.2–.00 12.30N 141.20E 40 5.2b,4.7b
NEIC I 11 21 41 07.1–1.0 12.26N–.08 141.15E–.09 21–5 5.0b,4.7b
DJA I 11 21 41 09.4–1.3 12N–4.0 141E–5.0 31–11 5.9,5.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 12 03 49 57.8–.99 13.0N–.20 143.8E–.30 138 3.6b 6 34-88
IDC I 12 03 49 41.3–1.1 13.15N 143.97E 0 3.8,3.8b **¶610237222**
ISC Event type ke.
IDC Error ellipse: s-maj=51.8km s-min=22.4km az=99.0.
ISC I 13 05 14 01.2–1.0 13.0N–.20 143.6E–.20 150 3.8b 7 1-70
IDC I 13 05 13 59.6–5.2 12.95N 143.32E 124–72 3.9,3.5b **¶610237278**
ISC Event type ke.
IDC Error ellipse: s-maj=95.0km s-min=17.6km az=87.0.
ISC I 13 06 10 23.6–.38 12.23N–.06 141.09E–.08 35 4.7b,3.5s 85 4-91
BJI I 13 06 10 15.8–.00 12.16N 141.30E 5 5.0b,4.6b **¶610068626**
NEIC I 13 06 10 20.6–1.4 12.26N–.08 141.07E–.03 10–1 4.8b,4.6b
IDC I 13 06 10 26.1–3.1 12.28N 141.17E 60–30 4.6,4.6L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.2km s-min=3.7km az=161.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=18.6km s-min=9.7km az=76.0.
IDC I 20 14 20 33.8–2.0 13.98N 146.13E 136–55 3.7,3.3b
¶610234940
IDC Error ellipse: s-maj=174.9km s-min=34.4km az=2.0.
ISC I 21 10 03 41.5–.53 11.89N–.07 143.9E–.10 26 4.1b 30 2-149
IDC I 21 10 03 37.9–.66 11.92N 143.79E 0 4.0,4.0b **¶610234992**
NEIC I 21 10 03 39.4–2.0 11.90N–.08 143.9E–.20 10–1 4.4b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 24 09 38 32.8–.44 12.07N–.03 146.31E–.04 25–2 5.5b,5.1s 1085 2-166
IDC I 24 09 38 28.3–.35 12.06N 146.35E 0 5.0,5.0b **¶610105984**
BJI I 24 09 38 28.8–.00 12.25N 146.52E 8 5.7b,5.4s
MOS I 24 09 38 29.0–.83 12.04N 146.28E 12 5.6b,5.0s
DJA I 24 09 38 30.1–1.3 12N–3.0 146E–3.0 13–8 6.0b,5.6
NEIC I 24 09 38 31.1–1.4 12.09N–.07 146.26E–.09 10–1 5.5b,5.5
NEIC I 24 09 38 33 11.97N 146.26E 22 5.5b,5.5
KLM I 24 09 38 33 12.23N 146.16E 10 5.9b,5.5
GCMT I 24 09 38 34.0–.10 12.03N–.01 146.31E–.01 20–0 5.6W,5.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{17}Nm; Mrr-0.06 Mθθ-0.17 Mϕϕ0.23 Mrθ0.86 Mθϕ1.69
Mϕr0.42 NP1:ϕs87.36000°,δ83.99000°,λ26.12000°. NP2:ϕs354.42000°,δ64.04000°
,λ173.31000°. Principal axes: T 2.1039,Plg23.0000°,Azm314.0000°; N -0.3429,Plg63.0000°
,Azm99.0000°; P -1.7610,Plg14.0000°,Azm218.0000° M0 1.96000×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 2s6 Moment tensor: Scale 10^{17}Nm;
Mrr0.20 Mθθ0.58 Mϕϕ-0.78 Mrθ0.51 Mθϕ2.50 Mϕr0.02 NP1:ϕs7.00000°,δ79.00000°,λ177.00000°.
NP2:ϕs98.00000°,δ87.00000°,λ11.00000°. Principal axes: T 2.5603,Plg10.0000°
,Azm323.0000°; N 0.1581,Plg78.0000°,Azm113.0000°; P -2.7184,Plg6.0000°,Azm232.0000°
M0 2.64000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function. Moment Tensor Solution. s131,c232; s162,c320;Duration: 1s6
Moment tensor: Scale 10^{17}Nm; Mrr-0.02±.04 Mθθ0.93±.04; Mϕϕ-0.90±.04; Mrθ1.15±.08;
Mθϕ2.96±.03; Mϕr-0.21±.07; Best double couple: NP1:ϕs278.00000°,δ89.00000°,λ-21.00000°.
NP2:ϕs9.00000°,δ69.00000°,λ-179.00000°. Principal axes: T 3.3090,Plg14.0000°
,Azm326.0000°; N 0.0060,Plg69.0000°,Azm97.0000°; P -3.3160,Plg15.0000°,Azm232.0000°
M0 3.31200×10^{17}
IDC I 29 00 16 07.2–1.8 11.48N 144.08E 0 3.5,3.5b
¶610235601
IDC Error ellipse: s-maj=67.2km s-min=35.1km az=97.0.
ISC I 29 13 47 44.5–.91 12.65N–.04 145.11E–.06 32–5 4.8b,4.0s 420 1-155
BJI I 29 13 47 38.9–.00 12.68N 145.31E 17 4.9b,4.5b **¶610147587**
NEIC I 29 13 47 41.7–1.4 12.69N–.06 145.2E–.10 10–1 5.0b,4.5b
MOS I 29 13 47 43.3–.76 12.71N 145.05E 39 4.8b,4.1s
DJA I 29 13 47 44.4–.60 13N–4.0 145E–5.0 49–6 5.7b,5.2
GCMT I 29 13 47 45.7–.40 12.49N–.03 145.10E–.03 18–1 4.8W,5.2
IDC I 29 13 47 46.0–1.6 12.74N 145.15E 42–12 4.3,4.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.1km s-min=9.8km az=78.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=11.4km s-min=6.8km az=101.2.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function. Moment Tensor Solution. s16,c19; s71,c103;Duration: 0
Moment tensor: Scale 10^{16}Nm; Mrr1.45±.14 Mθθ0.14±.08; Mϕϕ-1.59±.10; Mrθ0.24±.25;
Mθϕ-0.70±.06; Mϕr0.67±.21; Best double couple: NP1:ϕs20.00000°,δ57.00000°,λ90.00000°.
NP2:ϕs199.00000°,δ33.00000°,λ89.00000°. Principal axes: T 1.5980,Plg78.0000°
,Azm291.0000°; N 0.3940,Plg0.0000°,Azm200.0000°; P -1.9880,Plg12.0000°,Azm110.0000°
M0 1.79300×10^{16}
IDC Error ellipse: s-maj=20.5km s-min=11.7km az=95.0.
ISC I 29 13 53 26.9–1.2 12.7N–.10 145.2E–.30 50 3.4b 11 1-145
IDC I 29 13 53 28.2–1.9 12.75N 145.16E 59–13 3.6,3.3b **¶610235651**
ISC Event type ke.
IDC Error ellipse: s-maj=35.7km s-min=18.5km az=94.0.
IDC I 30 18 05 22.2–5.6 13.34N 143.23E 202–107 3.5,3.0b
¶610235752
IDC Error ellipse: s-maj=188.4km s-min=25.2km az=82.0.
ISC II 01 00 33 06.7–.80 13.5N–.10 146.2E–.10 35 4.1b,3.4s 27 1-92
IDC II 01 00 33 01.4–.98 13.47N 146.35E 0 3.8,3.8b **¶610414581**
NEIC II 01 00 33 03.0–1.1 13.5N–.10 146.2E–.10 10–1 4.4b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 02 00 18 47.9–.34 12.10N–.03 141.07E–.04 42–2 5.3b,4.8s 943 4-171
BJI II 02 00 18 42.2–.00 11.98N 141.28E 21 5.5b,5.2s **¶610172167**
NEIC II 02 00 18 44.0–1.6 12.12N–.07 141.03E–.07 9–1 5.6,5.4
GCMT II 02 00 18 46.0–.10 12.11N–.01 140.84E–.01 14–0 5.6W,5.4
MOS II 02 00 18 46.2–.86 12.10N 141.03E 41 5.7b,4.9s
DJA II 02 00 18 48.1–.30 12N–3.0 141E–3.0 51–2 5.8b,5.5
KLM II 02 00 18 50 12.17N 141.04E 49 5.3b,5.5
IDC II 02 00 18 50.9–1.8 12.13N 141.19E 69–16 5.2,4.9b
NEIC II 02 00 18 54.2 12.10N 140.53E 26 5.2,4.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=9.5km az=309.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{17}Nm; Mrr-1.45 Mθθ1.05 Mϕϕ0.40 Mrθ-0.03 Mθϕ1.07
Mϕr0.49 NP1:ϕs216.13000°,δ52.42000°,λ-113.55000°. NP2:ϕs71.69000°,δ43.40000°
,λ-62.55000°. Principal axes: T 1.8618,Plg5.0000°,Azm323.0000°; N -0.2583,Plg18.0000°
,Azm231.0000°; P -1.6035,Plg71.0000°,Azm66.0000° M0 1.75000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function. Moment Tensor Solution. s126,c209; s152,c282;Duration: 1s5
Moment tensor: Scale 10^{17}Nm; Mrr-2.52±.04 Mθθ1.95±.03; Mϕϕ0.56±.03; Mrθ0.72±.07;
Mθϕ1.37±.03; Mϕr1.28±.08; Best double couple: NP1:ϕs224.00000°,δ60.00000°,λ-106.00000°.
NP2:ϕs73.00000°,δ34.00000°,λ-66.00000°. Principal axes: T 3.0950,Plg13.0000°
,Azm326.0000°; N -0.1040,Plg13.0000°,Azm232.0000°; P -2.9920,Plg71.0000°
,Azm99.0000° M0 3.04300×10^{17}
MOS Error ellipse: s-maj=7.7km s-min=4.1km az=113.4.
IDC Error ellipse: s-maj=11.3km s-min=7.7km az=80.0.
NEIC Event type se. Moment Tensor Solution.Duration: 3s2 Moment tensor: Scale 10^{17}Nm;
Mrr-2.30 Mθθ1.69 Mϕϕ0.61 Mrθ1.87 Mθϕ1.35 Mϕr1.76 NP1:ϕs228.88000°,δ68.26000°
,λ-95.82000°. NP2:ϕs64.27000°,δ22.46000°,λ-75.74000°. Principal axes:
T 3.6884,Plg23.0000°,Azm323.0000°; N -0.2659,Plg5.0000°,Azm231.0000°
; P -3.4225,Plg66.0000°,Azm129.0000° M0 3.56000×10^{17}
ISC II 02 00 24 34.1–.58 12.11N–.09 141.1E–.10 34 4.6b 47 23-91
NEIC II 02 00 24 31.1–.74 12.17N–.09 141.1E–.10 10–1 4.7b **¶610414635**
IDC II 02 00 24 52.0–7.8 12.03N 141.17E 207–79 4.4,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.3km s-min=10.3km az=130.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=20.2km s-min=12.4km az=91.0.
ISC II 02 16 46 28.2–.91 13.2N–.10 143.4E–.10 200 3.3b 10 2-91
IDC II 02 16 46 29.1–1.0 13.15N 143.64E 214–15 3.7,3.1b **¶610414687**
ISC Event type ke.
IDC Error ellipse: s-maj=40.5km s-min=13.5km az=92.0.
ISC II 03 22 13 05.3–3.4 13.6N–.60 146.6E–.20 26 4.1b 7 2-92
IDC II 03 22 13 00.8–4.9 13.60N 146.74E 0 3.9,3.9b **¶610414771**
ISC Event type ke.
IDC Error ellipse: s-maj=119.0km s-min=32.0km az=159.0.
ISC II 05 13 49 41.8–.37 13.03N–.06 143.39E–.07 200 4.3b 146 2-149
IDC II 05 13 49 42.1–.69 13.08N 143.42E 200–6 4.4,3.9b **¶610198704**
NEIC II 05 13 49 42.6–1.4 13.08N–.09 143.43E–.07 203–6 4.4b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 08 15 15 04.9–.58 12.23N–.10 141.1E–.10 35 4.5b 31 4-151
NEIC II 08 15 15 05.7–1.2 12.2N–.10 141.1E–.10 38–9 4.5b **¶610415129**
IDC II 08 15 15 08.3–3.7 12.30N 141.21E 72–35 4.0L,3.8
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.1km s-min=18.4km az=103.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=28.0km s-min=16.9km az=94.0.
ISC II 09 14 11 05.8–.94 12.6N–.10 144.1E–.10 27 3.7b,3.5s 10 1-149
IDC II 09 14 11 01.9–.94 12.71N 144.02E 0 3.6,3.6b **¶610415176**
ISC Event type ke.
IDC Error ellipse: s-maj=28.2km s-min=17.1km az=127.0.
ISC II 10 08 38 48.5–.58 13.49N–.09 147.21E–.08 35 4.2b 31 2-92
IDC II 10 08 38 43.4–1.0 13.64N 147.29E 0 4.7L,3.9 **¶610415225**
NEIC II 10 08 38 48.0–1.0 13.51N–.03 147.17E–.09 23–5 4.3b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC II 11 09 51 45.4–5.2 13.69N 143.44E 126–81 3.4,3.0b
¶610415308
IDC Error ellipse: s-maj=118.3km s-min=23.9km az=82.0.
ISC II 12 10 57 49.0–.51 13.20N–.08 143.92E–.10 138 4.1b 33 1-149
NEIC II 12 10 57 49.6–1.3 13.19N–.06 144.0E–.20 139–10 4.6b **¶610415371**
IDC II 12 10 57 49.0–.81 13.19N 143.98E 141–8 3.9,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=25.8km s-min=5.8km az=74.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=23.4km s-min=13.0km az=82.0.
ISC II 17 12 22 06.8–.35 12.53N–.05 142.31E–.07 150 4.4b 112 3-150
IDC II 17 12 22 05.2–.66 12.53N 142.31E 134–6 4.2,3.7b **¶610415692**
DJA II 17 12 22 06.4–.70 13N–10 142E–5.0 163–9 4.8b,4.7
NEIC II 17 12 22 06.9–1.3 12.51N–.09 142.3E–.10 142–1 4.6b,4.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 19 10 42 09.1–1.0 13.77N–.05 147.50E–.06 18–4 4.9b,3.6s 363 3-146
IDC II 19 10 42 05.6–.48 13.84N 147.49E 0 4.7L,4.6 **¶610231557**
BJI II 19 10 42 05.8–.00 13.88N 147.73E 11 5.0b,4.7b
MOS II 19 10 42 06.4–.96 13.81N 147.51E 16 5.0b,4.7b
NEIC II 19 10 42 08.4–1.3 13.77N–.10 147.53E–.08 10–1 5.1b,4.7b
DJA II 19 10 42 08.2–.50 14N–6.0 147E–5.0 10 5.6b,5.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 20 22 11 29.5–.86 12.1N–.20 143.9E–.20 26 4.2b 15 23-94
IDC II 20 22 11 25.3–.79 12.13N 143.89E 0 4.1,4.1b **¶610384707**
ISC Event type ke.
IDC Error ellipse: s-maj=29.0km s-min=20.4km az=100.0.
ISC II 22 13 23 56.8–.90 12.0N–.10 143.5E–.10 25 3.9b,3.0s 12 2-89
IDC II 22 13 23 58.3–4.2 11.98N 143.51E 37–36 3.8,3.6b **¶610384810**
ISC Event type ke.
IDC Error ellipse: s-maj=28.3km s-min=16.9km az=109.0.
ISC II 24 22 21 30.8–.60 12.86N–.08 145.0E–.10 57 4.3b 91 1-144
NEIC II 24 22 21 31.5–1.2 12.83N–.02 145.0E–.20 61–6 4.3b **¶610384960**
IDC II 24 22 21 33.3–1.2 13.16N 145.08E 73–5 3.9,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.3km s-min=3.0km az=94.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=26.1km s-min=17.8km az=97.0.

ISC II 25 07 30 56.6–.49 12.64N–.08 143.17E–.09 50 4.4b 56 2-156
IDC II 25 07 30 59.6–2.1 12.70N 143.28E 78–19 4.1,3.8b ¶610384986
NEIC II 25 07 30 59.4–1.3 12.7N–.10 143.3E–.10 74–9 4.5b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 27 09 29 13.7–.46 12.17N–.07 143.42E–.08 25 4.6b,3.1s 91 2-149
IDC II 27 09 29 09.2–.61 12.11N 143.50E 0 4.2,4.2b ¶610241602
BJI II 27 09 29 11.0–.00 12.30N 143.30E 10 4.9b,4.4b
NEIC II 27 09 29 12.1–1.9 12.25N–.09 143.4E–.10 10–1 4.6b,4.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC II 27 15 23 24.8–1.5 13.11N 143.95E 222–51 3.4,2.8b ¶610385134
IDC Error ellipse: s-maj=171.7km s-min=20.1km az=88.0.
ISC II 28 01 47 31.6–1.7 12.6N–.10 143.0E–.10 100 4.4b 6 2-91
IDC II 28 01 47 34.8–1.5 12.66N 143.23E 117–16 4.2,3.8b ¶610385166
NEIC II 28 01 47 34.4–1.1 12.68N–.05 143.1E–.10 106–7 4.6b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 28 22 30 08.1–1.1 13.9N–.20 146.1E–.30 35 3.4b 6 1-86
IDC II 28 22 30 02.8–1.2 13.94N 146.12E 0 3.4,3.4b ¶610385234
ISC Event type ke.
IDC Error ellipse: s-maj=40.2km s-min=31.7km az=111.0.
ISC III 01 18 20 44.8–1.2 12.1N–.30 143.2E–.40 31 3.6b 7 2-89
IDC III 01 18 20 40.0–1.4 12.13N 143.17E 0 3.7L,3.5 ¶610545339
ISC Event type ke.
IDC Error ellipse: s-maj=85.1km s-min=20.4km az=120.0.
IDC III 03 03 30 39.6–9.4 12.19N 142.83E 0 3.5,3.5b ¶610545422
IDC Error ellipse: s-maj=254.1km s-min=49.3km az=4.0.
ISC III 07 02 43 02.1–.68 12.08N–.09 144.3E–.20 29 3.9b 18 2-148
IDC III 07 02 42 57.6–.66 12.09N 144.22E 0 3.9,3.9b ¶610545691
ISC Event type ke.
IDC Error ellipse: s-maj=27.0km s-min=15.6km az=99.0.
ISC III 07 02 44 21.4–.51 12.16N–.04 144.29E–.07 16–2 4.9b,3.7s 280 2-155
BJI III 07 02 44 16.9–.00 12.16N 144.47E 7 4.8b,4.7b ¶610247307
IDC III 07 02 44 19.0–.36 12.16N 144.16E 0 4.7,4.7b
MOS III 07 02 44 20.9–.98 12.15N 144.08E 24 5.1b,4.7b
NEIC III 07 02 44 26–1.7 12.2N–.10 144.2E–.10 45–7 4.9b,4.7b
DJA III 07 02 44 28.3–.60 12N–3.0 145E–4.0 87–6 5.6,5.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 08 10 19 19.8–.92 12.2N–.10 144.1E–.20 35 3.6b 11 2-92
IDC III 08 10 19 21.4–2.5 12.26N 144.17E 51–24 3.6,3.3b ¶610545797
ISC Event type ke.
IDC Error ellipse: s-maj=36.8km s-min=15.5km az=106.0.
IDC III 08 16 56 13.6–3.3 12.67N 143.69E 0 3.4,3.4b ¶610545823
IDC Error ellipse: s-maj=105.0km s-min=25.8km az=78.0.
ISC III 10 20 20 49.0–.76 12.16N–.10 141.50E–.10 100 4.0b 19 4-91
NEIC III 10 20 20 50.9–2.1 12.2N–.10 141.7E–.10 118–15 4.1b ¶610545980
IDC III 10 20 20 52.5–3.1 12.29N 141.82E 150–40 3.8,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.0km s-min=14.6km az=166.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=39.1km s-min=16.4km az=82.0.
ISC III 11 10 33 13.3–.67 11.82N–.07 144.8E–.20 16 4.2b 33 2-93
IDC III 11 10 33 10.9–.90 11.81N 144.74E 0 3.9,3.9b ¶610546010
NEIC III 11 10 33 12.7–.80 11.81N–.08 145.0E–.10 10–1 4.4b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 16 12 13 36.1–.74 13.1N–.10 143.3E–.10 200 3.4b 11 2-91
IDC III 16 12 13 37.1–1.1 13.07N 143.48E 212–13 3.9,3.3b ¶610546311
ISC Event type ke.
IDC Error ellipse: s-maj=32.4km s-min=13.5km az=99.0.
ISC III 17 03 13 45.5–.59 12.9N–.10 143.7E–.10 150 4.0b 19 1-149
IDC III 17 03 13 44.9–1.0 12.96N 143.64E 141–9 4.1,3.7b ¶610546355
ISC Event type ke.
IDC Error ellipse: s-maj=23.1km s-min=12.3km az=110.0.
ISC III 17 03 33 31.9–.79 12.7N–.20 143.8E–.20 27 3.9b,3.2s 13 1-134
IDC III 17 03 33 27.8–.74 12.72N 143.66E 0 3.9,3.9b ¶610546356
ISC Event type ke.
IDC Error ellipse: s-maj=37.2km s-min=17.7km az=118.0.
ISC III 17 14 31 18.7–1.1 12.5N–.20 144.3E–.30 30 3.4b 7 1-84
IDC III 17 14 31 21.5–1.9 12.54N 144.44E 57–20 3.4,3.1b ¶610546390
ISC Event type ke.
IDC Error ellipse: s-maj=56.7km s-min=18.2km az=106.0.
ISC III 23 13 01 43.7–.83 11.7N–.10 142.8E–.10 32 3.8b 14 3-150
IDC III 23 13 01 38.9–.81 11.76N 142.78E 0 3.9,3.9L ¶610543538
ISC Event type ke.
IDC Error ellipse: s-maj=24.5km s-min=17.4km az=116.0.
ISC III 25 05 10 37.6–1.2 12.4N–.30 143.9E–.50 27 3.8b,3.3s 11 1-149
IDC III 25 05 10 33.4–1.1 12.52N 143.74E 0 4.0b,3.9 ¶610543628
ISC Event type ke.
IDC Error ellipse: s-maj=72.3km s-min=15.2km az=119.0.
ISC III 27 10 27 43.0–.79 12.4N–.10 143.8E–.10 27 3.8b,3.0s 15 2-149
IDC III 27 10 27 39.1–.71 12.48N 143.78E 0 3.8,3.8b ¶610543789
ISC Event type ke.
IDC Error ellipse: s-maj=24.4km s-min=15.9km az=120.0.
ISC III 28 04 14 23.2–.90 12.0N–.10 143.2E–.20 31 4.0b,3.4s 12 2-92
IDC III 28 04 14 18.4–.87 12.03N 143.18E 0 4.3L,3.9 ¶610543830
ISC Event type ke.
IDC Error ellipse: s-maj=30.6km s-min=19.1km az=117.0.
ISC III 28 06 53 50.0–.94 12.0N–.20 144.2E–.30 26 3.8b 9 2-92
IDC III 28 06 53 45.9–.97 12.04N 144.18E 0 3.7s,3.6 ¶610543836
ISC Event type ke.
IDC Error ellipse: s-maj=51.4km s-min=18.6km az=111.0.
ISC III 29 08 38 56.9–1.0 12.2N–.20 143.9E–.30 26 3.5b 8 2-92
IDC III 29 08 38 53.0–1.1 12.24N 143.85E 0 3.5,3.5b ¶610543911
ISC Event type ke.
IDC Error ellipse: s-maj=47.7km s-min=19.0km az=117.0.
ISC III 29 09 23 10.5–.56 11.97N–.04 143.05E–.05 11–3 5.0b,4.1s 472 2-145
BJI III 29 09 23 04.2–.00 11.55N 143.46E 10 5.1b,4.8b ¶610444217
IDC III 29 09 23 08.9–.41 12.07N 143.03E 0 4.7,4.7b
DJA III 29 09 23 10.5–2.1 12N–4.0 143E–4.0 11–14 6.0b,5.6
MOS III 29 09 23 10.1–.91 11.99N 143.02E 21 5.0b,5.6
NEIC III 29 09 23 11.1–1.3 12.03N–.07 143.01E–.09 10–1 5.2b,5.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC III 29 09 58 02.5–6.0 12.87N 143.02E 138–86 3.7,3.3b ¶610543920
IDC Error ellipse: s-maj=104.5km s-min=26.7km az=84.0.
IDC III 29 14 51 44.6–1.2 12.12N 144.44E 0 3.5s,3.3 ¶610543939
IDC Error ellipse: s-maj=65.6km s-min=17.2km az=105.0.
ISC III 31 08 04 23.7–.93 12.9N–.20 143.9E–.20 150 3.4b 9 1-91
IDC III 31 08 04 23.6–1.1 12.94N 143.90E 148–13 3.7,3.2b ¶610544038
ISC Event type ke.
IDC Error ellipse: s-maj=37.7km s-min=15.5km az=101.0.
ISC III 31 09 35 59.8–.70 12.4N–.10 143.4E–.10 27 4.2b,3.7s 15 2-145
IDC III 31 09 35 55.8–.69 12.45N 143.39E 0 4.1,4.1b ¶610544043
ISC Event type ke.
IDC Error ellipse: s-maj=21.2km s-min=17.0km az=111.0.
IDC III 31 11 47 16.4–1.3 12.18N 144.16E 0 3.5,3.5b ¶610544046
IDC Error ellipse: s-maj=52.7km s-min=18.7km az=108.0.
ISC IV 01 15 30 55.9–.94 12.4N–.20 142.5E–.10 150 3.6b 9 3-91
IDC IV 01 15 30 55.3–2.8 12.44N 142.42E 143–29 3.7,3.3b ¶610651712
ISC Event type ke.
IDC Error ellipse: s-maj=39.9km s-min=15.6km az=103.0.
ISC IV 04 10 43 14.0–.29 12.29N–.04 144.17E–.06 35–4 5.0b,3.9s 441 1-154
IDC IV 04 10 43 09.6–.44 12.37N 144.07E 0 4.6,4.6b ¶610478107
MOS IV 04 10 43 10.6–.96 12.35N 144.03E 21 5.1b,4.6b
NEIC IV 04 10 43 10.9–2.2 12.31N–.06 144.19E–.09 10–1 5.2b,4.6b
BJI IV 04 10 43 11.4–.00 12.48N 144.18E 21 5.1b,4.8b
DJA IV 04 10 43 17.1–.40 12N–3.0 145E–5.0 72–6 5.8b,5.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IV 05 15 04 33.6–1.9 12.39N 143.84E 0 3.3,3.3b ¶610652019
IDC Error ellipse: s-maj=124.8km s-min=18.2km az=120.0.
IDC IV 12 22 43 27.2–1.7 10.99N 143.04E 0 3.3,3.3b ¶610652586
IDC Error ellipse: s-maj=53.1km s-min=33.2km az=93.0.
ISC IV 16 14 21 33.8–.60 12.29N–.06 144.3E–.10 35 4.5b,3.1s 48 1-90
IDC IV 16 14 21 28.2–.84 12.52N 143.89E 0 3.7,3.7b ¶610528763
NEIC IV 16 14 21 31.0–.92 12.27N–.09 144.5E–.20 10–1 4.6b,3.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IV 17 18 24 48.5–3.4 12.67N 147.23E 0 4.0L,3.4 ¶610652937
IDC Error ellipse: s-maj=84.4km s-min=30.6km az=68.0.
IDC IV 21 11 36 35.2–1.8 12.74N 144.42E 129–18 3.6,3.2b ¶610653194
IDC Error ellipse: s-maj=234.9km s-min=25.1km az=118.0.
ISC IV 21 18 30 43.5–.53 12.16N–.08 142.16E–.09 150 4.0b 47 3-91
NEIC IV 21 18 30 42.2–1.1 12.20N–.10 142.0E–.10 124–4 4.2b ¶610653217
IDC IV 21 18 30 43.8–1.6 12.21N 142.19E 149–18 4.0,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.9km s-min=12.3km az=113.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=20.4km s-min=11.6km az=98.0.
ISC IV 22 08 24 08.2–.85 12.2N–.10 144.3E–.20 29 3.6b 10 1-88
IDC IV 22 08 24 11.9–2.1 12.19N 144.36E 62–23 3.7,3.4b ¶610653250
ISC Event type ke.
IDC Error ellipse: s-maj=41.2km s-min=15.8km az=96.0.
ISC IV 24 22 19 51.1–.47 12.72N–.05 144.04E–.06 29–3 4.7b 119 1-149
IDC IV 24 22 19 47.1–.62 12.75N 143.90E 0 5.4s,4.2 ¶610548810
DJA IV 24 22 19 48.6–1.7 14N–19 145E–26 147–11 5.9b,5.5
BJI IV 24 22 19 51.7–.00 12.65N 143.81E 22 5.4s,5.3b
NEIC IV 24 22 19 52.6–1.4 12.77N–.09 144.0E–.10 36–7 5.0b,5.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 24 22 30 12.2–.59 12.34N–.07 144.5E–.10 10 4.3b 41 1-92
NEIC IV 24 22 30 11.8–2.0 12.42N–.09 144.5E–.20 10–2 4.4b ¶610649927
IDC IV 24 22 30 11.8–.80 12.34N 144.32E 0 5.1s,4.0
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=27.7km s-min=15.2km az=94.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=26.3km s-min=14.8km az=95.0.
ISC IV 24 22 30 41.5–.91 12.5N–.10 144.3E–.20 10 4.0b 14 1-93
IDC IV 24 22 30 39.9–.88 12.46N 144.28E 0 4.1,4.1b ¶610649930
ISC Event type ke.
IDC Error ellipse: s-maj=26.4km s-min=17.0km az=102.0.
ISC IV 25 12 49 16.6–.97 12.6N–.10 144.1E–.10 27 3.7b 12 1-88
IDC IV 25 12 49 12.6–.98 12.59N 144.08E 0 3.7,3.7b ¶610649988
ISC Event type ke.
IDC Error ellipse: s-maj=28.8km s-min=16.5km az=111.0.
ISC IV 26 11 02 49.8–1.3 12.4N–.30 143.6E–.30 10 3.6b 7 2-85
IDC IV 26 11 02 48.3–1.4 12.39N 143.46E 0 3.6,3.6b ¶610650053
ISC Event type ke.
IDC Error ellipse: s-maj=72.6km s-min=17.7km az=120.0.
ISC IV 28 15 13 29.2–1.1 11.8N–.20 143.3E–.30 10 3.6b 7 2-92
IDC IV 28 15 13 27.8–1.1 11.81N 143.15E 0 4.1L,3.6 ¶610650225
ISC Event type ke.
IDC Error ellipse: s-maj=66.6km s-min=19.6km az=117.0.
IDC IV 30 16 11 15.7–7.2 13.74N 142.85E 0 3.3,3.3b ¶610650430
IDC Error ellipse: s-maj=277.4km s-min=30.0km az=78.0.
IDC IV 30 17 15 06.7–1.5 12.23N 143.02E 0 3.6L,3.5 ¶610650437
IDC Error ellipse: s-maj=91.1km s-min=26.6km az=119.0.
ISC V 01 03 59 17.8–1.0 13.0N–.10 144.9E–.30 57 3.5b,3.2s 10 1-83
IDC V 01 03 59 17.1–1.5 13.00N 144.86E 50–11 3.6,3.3b ¶610689277
ISC Event type ke.
IDC Error ellipse: s-maj=51.5km s-min=17.7km az=103.0.
ISC V 02 14 30 28.2–.40 12.25N–.05 144.24E–.08 27 4.5b,3.9s 62 1-148
IDC V 02 14 30 24.6–.65 12.30N 144.13E 0 4.2,4.2b ¶610592325
NEIC V 02 14 30 28.2–.85 12.28N–.08 144.3E–.10 23–5 4.7b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 06 08 25 26.8–.89 12.5N–.10 144.3E–.10 30 4.1b,3.6s 18 1-135
IDC V 06 08 25 29.9–1.7 12.59N 144.33E 57–16 4.0,3.7b ¶610689653
ISC Event type ke.
IDC Error ellipse: s-maj=23.6km s-min=15.3km az=100.0.
ISC V 06 17 07 55.7–.00 12.4N–.20 146.1E–.10 35 4.2b 42 2-93
IDC V 06 17 07 49.4–2.4 12.42N 146.36E 0 3.9,3.9b ¶610689676
NEIC V 06 17 07 56.7–2.2 12.6N–.20 146.3E–.10 33–7 4.4b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 08 20 53 04.6–.94 13.5N–.20 146.7E–.10 35 3.8b 13 2-100
IDC V 08 20 52 59.3–.90 13.49N 146.77E 0 3.9,3.9b ¶610689843
ISC Event type ke.
IDC Error ellipse: s-maj=21.4km s-min=19.6km az=117.0.
ISC V 13 13 49 51.9–.77 11.9N–.10 142.33E–.09 42 4.3b,3.0s 34 3-150
NEIC V 13 13 49 53.0–1.0 11.88N–.10 142.3E–.20 47–13 4.5b,3.0s ¶610690197
IDC V 13 13 49 54.2–2.5 11.93N 142.42E 64–23 4.1,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=27.4km s-min=6.1km az=118.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=18.3km s-min=16.1km az=106.0.
ISC V 14 23 00 59.8–.68 11.54N–.09 145.4E–.10 35 4.0b 32 2-147
IDC V 14 23 00 54.4–.81 11.49N 145.29E 0 4.6L,3.9 ¶610690303
NEIC V 14 23 00 58.0–1.8 11.55N–.08 145.2E–.20 20–6 4.2b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 16 03 56 26.8–.27 12.81N–.03 145.15E–.04 68–1 5.6b 1162 1-167
KLM V 16 03 56 20 12.68N 145.97E 44 5.9b ¶616653182
MOS V 16 03 56 22.0–.78 12.81N 145.14E 41 5.9b,4.8s
NEIC V 16 03 56 24.6–1.4 12.75N–.07 145.1E–.10 42–1 5.6b,5.4
NEIC V 16 03 56 24.6 12.76N 145.15E 42 5.6b,5.4
NEIC V 16 03 56 24.6 12.66N 145.25E 40 5.6b,5.4
IDC V 16 03 56 24.4–.51 12.82N 145.12E 46–4 5.4,5.2b
DJA V 16 03 56 25.9–.40 13N–3.0 145E–4.0 83–3 6.2b,5.9b
GCMT V 16 03 56 26.6–.10 12.63N–.01 145.18E–.01 38–1 5.5W,5.9b
BJI V 16 03 56 26.9–.00 13.12N 145.05E 66 5.7b,5.4b

NEIC V 16 03 56 27.1 12.78N 145.10E 62 5.7b,5.4b
ISC Event type se.
MOS Error ellipse: s-maj=8.3km s-min=4.2km az=113.6.
NEIC Event type se. Error ellipse: s-maj=17.8km s-min=10.4km az=252.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.56 $M_{\theta\theta}$-0.44 $M_{\phi\phi}$-0.12 $M_{r\theta}$0.30 $M_{\theta\phi}$-0.32 $M_{\phi r}$1.37 NP1:ϕ_s255.55000°,δ16.76000°,λ146.37000°. NP2:ϕ_s18.05000°,δ80.81000° ,λ75.93000°. Principal axes: T 1.6358,Plg52.0000°,Azm272.0000°; N -0.2420,Plg14.0000° ,Azm20.0000°; P -1.3939,Plg34.0000°,Azm120.0000° $M_0$1.53000×10^{17}
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2s6 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.01 $M_{\theta\theta}$0.04 $M_{\phi\phi}$-0.03 $M_{r\theta}$0.33 $M_{\theta\phi}$-0.33 $M_{\phi r}$1.42 NP1:ϕ_s11.12000°,δ88.67000° ,λ78.63000°. NP2:ϕ_s274.56000°,δ11.45000°,λ173.30000°. Principal axes: T 1.4005,Plg45.0000°,Azm270.0000°; N 0.1789,Plg11.0000°,Azm11.0000° ; P -1.5794,Plg43.0000°,Azm112.0000° $M_0$1.49000×10^{17}
IDC Error ellipse: s-maj=10.5km s-min=8.1km az=82.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s115,c183; s133,c247;Duration: 1s4 Moment tensor: Scale 10^{17}Nm; M_{rr}0.58±.03 $M_{\theta\theta}$-0.11±.02; $M_{\phi\phi}$-0.46±.02; $M_{r\theta}$0.46±.03; $M_{\theta\phi}$-0.45±.02; $M_{\phi r}$2.09±.07; Best double couple: NP1:ϕ_s13.00000°,δ82.00000°,λ82.00000°. NP2:ϕ_s239.00000°,δ11.00000°,λ135.00000°. Principal axes: T 2.2140,Plg52.0000° ,Azm274.0000°; N 0.0680,Plg8.0000°,Azm14.0000°; P -2.2830,Plg36.0000°,Azm110.0000° $M_0$2.24900×10^{17}
NEIC Event type se.
IDC V 16 08 55 37.2–1.7 12.63N 143.16E 0 3.4,3.4b ¶610690403
IDC Error ellipse: s-maj=68.8km s-min=21.1km az=128.0.
ISC V 17 04 29 59.6–1.1 12.7N–.20 143.7E–.10 27 4.0b 7 1-61
IDC V 17 04 29 56.0–1.2 12.65N 143.65E 0 3.9,3.9b **¶610690466**
ISC Event type ke.
IDC Error ellipse: s-maj=32.1km s-min=21.9km az=98.0.
ISC V 21 21 56 09.9–1.0 12.7N–.20 143.6E–.20 27 3.4b 7 2-88
IDC V 21 21 56 05.8–1.2 12.68N 143.55E 0 3.4,3.4b **¶610685106**
ISC Event type ke.
IDC Error ellipse: s-maj=33.7km s-min=20.1km az=124.0.
ISC V 22 22 49 28.9–.98 12.0N–.20 142.4E–.10 50 3.7b 8 3-92
IDC V 22 22 49 31.7–4.3 11.99N 142.60E 82–52 5.0L,3.8 **¶610685185**
ISC Event type ke.
IDC Error ellipse: s-maj=45.6km s-min=19.5km az=93.0.
IDC V 30 22 32 34.2–2.2 12.15N 144.91E 0 3.7,3.7b ¶610685754
IDC Error ellipse: s-maj=179.5km s-min=22.1km az=94.0.
ISC VI 01 21 08 15.7–.74 11.1N–.10 143.1E–.10 35 4.3b 37 3-90
IDC VI 01 21 08 10.4–1.0 11.16N 143.19E 0 4.0L,3.8 **¶610791068**
NEIC VI 01 21 08 12.6–1.7 11.10N–.08 143.11E–.08 10–1 4.4b,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 03 00 56 30.6–.96 11.6N–.20 142.8E–.20 32 3.6b 10 3-92
IDC VI 03 00 56 25.9–.97 11.64N 142.87E 0 3.9L,3.7 **¶610791132**
ISC Event type ke.
IDC Error ellipse: s-maj=34.4km s-min=19.6km az=111.0.
ISC VI 03 02 08 41.7–.91 11.2N–.20 143.1E–.20 35 3.8b 10 3-90
IDC VI 03 02 08 36.4–.97 11.21N 143.13E 0 4.3L,4.2s **¶610791135**
ISC Event type ke.
IDC Error ellipse: s-maj=33.1km s-min=20.0km az=122.0.
ISC VI 03 02 16 09.8–.81 11.3N–.10 143.0E–.10 32 4.2b 25 3-149
NEIC VI 03 02 16 05.2–1.1 11.0N–.10 143.1E–.20 10–2 4.4b **¶610791137**
IDC VI 03 02 16 05.0–.81 11.27N 143.03E 0 4.2L,4.1
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=31.7km s-min=10.0km az=122.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=28.8km s-min=18.7km az=119.0.
ISC VI 03 05 32 28.6–.74 11.2N–.10 143.0E–.10 35 4.4b 27 3-149
IDC VI 03 05 32 24.1–1.0 11.23N 143.07E 0 4.1,4.1b **¶610791152**
NEIC VI 03 05 32 25.3–.61 11.2N–.10 143.0E–.10 10–2 4.6b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 04 04 56 24.6–.90 11.2N–.10 143.1E–.20 35 4.2b 12 3-93
IDC VI 04 04 56 19.3–.88 11.23N 143.11E 0 4.4L,4.1 **¶610791213**
ISC Event type ke.
IDC Error ellipse: s-maj=28.2km s-min=18.7km az=119.0.
ISC VI 07 22 12 31.0–1.0 12.2N–.20 144.0E–.40 35 3.9b,3.4s 8 2-149
IDC VI 07 22 12 26.1–1.1 12.33N 143.75E 0 3.9b,3.8 **¶610791423**
ISC Event type ke.
IDC Error ellipse: s-maj=60.1km s-min=19.0km az=119.0.
ISC VI 07 23 41 34.1–1.0 11.2N–.20 143.3E–.20 35 3.9b 10 3-93
IDC VI 07 23 41 29.0–1.1 11.19N 143.18E 0 4.3L,3.9 **¶610791428**
ISC Event type ke.
IDC Error ellipse: s-maj=36.7km s-min=21.1km az=105.0.
ISC VI 08 09 39 43.0–.60 11.88N–.09 144.2E–.10 26 4.4b,2.8s 55 2-92
IDC VI 08 09 39 39.3–.88 11.98N 144.22E 0 4.0,4.0b **¶610791458**
NEIC VI 08 09 39 42.7–1.6 11.64N–.08 144.2E–.20 29–4 4.6b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 08 18 37 36.2–.93 11.3N–.10 143.0E–.20 32 3.9b 11 3-92
IDC VI 08 18 37 31.3–.97 11.29N 143.03E 0 4.0L,3.9 **¶610791478**
ISC Event type ke.
IDC Error ellipse: s-maj=30.2km s-min=19.6km az=118.0.
IDC VI 11 01 03 15.6–4.3 12.44N 145.23E 52–29 3.7,3.5b ¶610791625
IDC Error ellipse: s-maj=128.0km s-min=24.7km az=82.0.
ISC VI 13 14 30 03.9–.74 12.99N–.08 144.9E–.10 57 4.0b 23 1-70
IDC VI 13 14 29 58.5–2.3 12.88N 144.93E 0 3.8,3.8b **¶610791782**
NEIC VI 13 14 30 04.8–1.2 13.0N–.10 144.9E–.20 56–13 4.3b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 13 22 41 45.5–.95 12.6N–.10 144.2E–.20 27 3.8b,3.5s 11 1-99
IDC VI 13 22 41 41.5–.96 12.57N 144.13E 0 3.7,3.7b **¶610791804**
ISC Event type ke.
IDC Error ellipse: s-maj=29.3km s-min=16.7km az=120.0.
ISC VI 18 10 31 41.3–1.1 13.6N–.20 146.3E–.10 26 3.6b 8 1-92
IDC VI 18 10 31 37.4–1.2 13.61N 146.28E 0 3.6,3.6b **¶610792117**
ISC Event type ke.
IDC Error ellipse: s-maj=28.1km s-min=22.5km az=150.0.
ISC VI 19 10 32 31.5–.43 12.57N–.06 144.35E–.07 30 4.5b,3.9s 72 1-148
IDC VI 19 10 32 26.3–.70 12.57N 144.32E 0 4.0,4.0b **¶610681778**
NEIC VI 19 10 32 33.4–2.9 12.59N–.05 144.27E–.09 35–1 4.7b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 19 10 35 38.5–.99 12.6N–.10 144.3E–.20 30 3.7b 10 1-99
IDC VI 19 10 35 34.1–.98 12.58N 144.28E 0 3.7,3.7b **¶610792184**
ISC Event type ke.
IDC Error ellipse: s-maj=30.8km s-min=16.0km az=113.0.
ISC VI 19 10 59 07.9–1.0 12.6N–.10 144.3E–.20 30 3.8s,3.7b 8 1-98
IDC VI 19 10 59 03.5–.97 12.58N 144.26E 0 3.7s,3.7 **¶610792185**
ISC Event type ke.
IDC Error ellipse: s-maj=37.1km s-min=15.9km az=116.0.
IDC VI 19 11 03 29.5–1.3 12.59N 144.26E 0 4.0s,3.7 ¶610792187
IDC Error ellipse: s-maj=48.4km s-min=17.2km az=118.0.
ISC VI 21 13 16 40.3–.73 11.22N–.04 143.14E–.06 14–4 4.9b,3.8s 355 3-156
BJI VI 21 13 16 34.6–.00 10.88N 143.48E 14 4.9b,4.6b **¶610689209**
IDC VI 21 13 16 38.0–.38 11.27N 143.09E 0 4.6,4.6b
NEIC VI 21 13 16 40.0–1.5 11.28N–.07 143.1E–.10 10–1 4.9b,4.6b
DJA VI 21 13 16 44.1–.90 11N–4.0 143E–5.0 38–9 5.3b,4.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 21 23 15 03.9–.67 12.9N–.10 145.85E–.08 10 4.7b,3.7s 63 1-147
BJI VI 21 23 15 01.9–.00 13.13N 145.94E 10 4.9b,4.6b **¶610690726**
IDC VI 21 23 15 01.6–.68 12.98N 145.86E 0 4.4,4.4b
NEIC VI 21 23 15 03.7–.80 12.96N–.10 145.85E–.08 10–1 4.8b,4.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 22 22 21 49.2–.58 13.03N–.08 143.4E–.10 200 3.9b 33 2-91
NEIC VI 22 22 21 47.5–1.3 13.1N–.10 143.2E–.10 163–10 4.2b **¶610789299**
IDC VI 22 22 21 50.3–.74 13.12N 143.81E 224–17 4.0,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.6km s-min=13.6km az=220.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=50.1km s-min=11.3km az=84.0.
ISC VI 25 20 29 37.6–.49 12.87N–.07 145.69E–.09 50 4.5b,3.6s 86 1-147
IDC VI 25 20 29 31.3–.69 13.00N 145.84E 0 4.3b,4.2 **¶610694647**
BJI VI 25 20 29 32.5–.00 12.80N 146.07E 37 4.9b,4.6b
NEIC VI 25 20 29 38.6–2.4 12.90N–.09 145.6E–.10 52–6 4.5b,4.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 25 20 33 59.0–1.2 13.0N–.10 145.7E–.20 50 3.5b 9 1-135
IDC VI 25 20 33 52.1–1.1 12.94N 145.82E 0 3.7,3.7b **¶610789464**
ISC Event type ke.
IDC Error ellipse: s-maj=27.9km s-min=18.2km az=71.0.
IDC VI 26 07 51 49.0–1.4 12.88N 145.87E 0 3.5,3.5b ¶610789494
IDC Error ellipse: s-maj=37.7km s-min=23.2km az=77.0.
IDC VI 26 11 47 53.1–1.5 12.89N 145.81E 0 3.5,3.5b ¶610789507
IDC Error ellipse: s-maj=65.6km s-min=26.7km az=97.0.
ISC VI 27 02 53 18.5–1.2 12.9N–.20 145.8E–.20 50 3.9b 7 1-92
IDC VI 27 02 53 11.6–1.1 12.93N 145.96E 0 3.9,3.9b **¶610789535**
ISC Event type ke.
IDC Error ellipse: s-maj=32.8km s-min=21.1km az=84.0.
ISC VI 27 03 30 28.9–1.1 12.9N–.10 145.8E–.20 35 4.2b 15 1-78
IDC VI 27 03 30 23.9–1.3 12.89N 145.86E 0 3.7,3.7b **¶610789539**
NEIC VI 27 03 30 29.0–1.3 12.93N–.10 145.86E–.07 36–9 4.3b,3.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VI 27 06 44 00.2–1.2 12.90N 145.89E 0 3.8,3.8b ¶610789553
IDC Error ellipse: s-maj=36.4km s-min=20.0km az=79.0.
IDC VI 27 23 39 35.3–2.2 12.88N 145.87E 0 4.0,4.0b ¶610789605
IDC Error ellipse: s-maj=66.4km s-min=21.7km az=72.0.
ISC VI 30 01 16 55.4–.46 12.34N–.08 141.82E–.07 100 4.4b 202 3-151
NEIC VI 30 01 16 57.7–.93 12.2N–.10 142.0E–.10 129–11 4.4b **¶610712033**
IDC VI 30 01 16 59.1–1.4 12.42N 142.01E 134–14 4.3,3.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=23.2km s-min=14.2km az=131.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=13.7km s-min=12.6km az=121.0.

SEISMIC REGION 18.
Guam to Japan.

(211) Southeast of Honshu.

ISC I 02 16 18 03.1–1.3 32.07N–.05 141.09E–.08 52–12 3.7b 33 1-93
JMA I 02 16 18 03.9–.23 32.3N–.70 141.1E–.90 29 4.0 **¶610236488**
IDC I 02 16 18 04.3–1.8 32.05N 140.87E 60–15 3.7,3.4b
ISC Event type ke.
JMA Event type ke. E OFF HACHIJOJIMA ISLAND.
IDC Error ellipse: s-maj=23.2km s-min=13.1km az=72.0.
ISC I 03 10 32 20.7–.52 31.67N–.05 141.87E–.09 35 4.2b 67 2-93
IDC I 03 10 32 15.5–.68 31.64N 141.89E 0 3.8,3.8b **¶610236553**
JMA I 03 10 32 17.4–.44 32N–1.0 142E–2.0 89 3.3,3.8b
NEIC I 03 10 32 17.9–1.4 31.71N–.07 141.8E–.10 10–1 4.5b,3.8b
ISC Event type ke.
JMA Event type ke. NEAR TORISHIMA IS .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 04 08 35 07.0–1.0 32.94N–.08 139.48E–.07 200 3.8b 26 1-72
JMA I 04 08 35 06.1–.49 32.9N–.90 139E–1.0 197–4 3.4 **¶610236683**
IDC I 04 08 35 06.3–2.5 32.81N 139.23E 180–22 3.9,3.6b
ISC Event type ke.
JMA Event type ke. NEAR HACHIJOJIMA ISLAND .
IDC Error ellipse: s-maj=139.6km s-min=19.5km az=82.0.
ISC I 08 13 20 51.0–.86 30.76N–.06 142.0E–.20 24 3.6b 25 3-80
IDC I 08 13 20 47.8–1.1 30.62N 141.73E 0 3.6,3.6b **¶610236964**
JMA I 08 13 20 56.2–.80 31N–4.0 142E–5.0 128 3.3,3.6b
ISC Event type ke.
JMA Event type ke. NEAR TORISHIMA IS .
ISC I 13 19 43 08.4–.50 30.96N–.06 141.39E–.10 37 4.1b,3.5s 64 3-89
IDC I 13 19 43 02.9–.60 30.91N 141.33E 0 4.0,4.0b **¶610237311**
NEIC I 13 19 43 07.2–1.2 31.03N–.07 141.3E–.10 24–6 4.3b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 14 09 16 59.1–1.7 33.15N–.07 140.64E–.07 12–10 4.0b 37 1-77
IDC I 14 09 16 56.4–.92 33.17N 140.80E 0 3.7,3.6s **¶610237349**
JMA I 14 09 17 03.4–.18 33.2N–.40 140E–2.0 43–2 3.8,3.6s
ISC Event type ke.
JMA Event type ke. E OFF HACHIJOJIMA ISLAND.
ISC I 14 14 27 06.3–.92 29.8N–.10 141.9E–.20 30 3.8b 14 7-83
IDC I 14 14 27 01.7–.90 29.73N 141.97E 0 3.6,3.6b **¶610237359**
ISC Event type ke.
IDC Error ellipse: s-maj=29.7km s-min=17.9km az=77.0.
ISC I 14 15 19 40.0–.36 33.48N–.03 138.29E–.04 284–3 4.5b 487 1-151
MOS I 14 15 19 38.3–1.0 33.39N 138.19E 279 4.6b **¶610094900**
JMA I 14 15 19 38.8–.37 34N–2.0 138E–1.0 299–3 4.5,4.5
BJI I 14 15 19 38.2–.00 33.46N 138.16E 281 4.7b,4.6b
NIED I 14 15 19 38.8 33.52N 138.37E 299 4.6W,4.6b
NEIC I 14 15 19 39.5–1.9 33.51N–.06 138.22E–.05 285–6 4.5b,4.6b
IDC I 14 15 19 40.2–.43 33.43N 138.17E 280–3 4.7,4.0b
ISC Event type ke. Moment Tensor Solution. NP1:ϕ_s313.06198°,δ17.08647°,λ14.13619°. NP2: ϕ_s209.52628°,δ85.88506°,λ106.59792°. Principal axes: T Plg46.6052°,Azm136.6241° ; N Plg16.5539°,Azm28.3010°; P Plg38.6937°,Azm284.5278°
MOS Error ellipse: s-maj=8.3km s-min=4.6km az=112.5.
JMA Event type ke. FAR S OFF TOKAI DISTRICT.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}3.31 $M_{\theta\theta}$0.46 $M_{\phi\phi}$-3.77 $M_{r\theta}$-1.52 $M_{\theta\phi}$-0.80 $M_{\phi r}$-7.76 NP1:ϕ_s191.00000°,δ78.00000°,λ90.00000°. NP2:ϕ_s9.00000° ,δ12.00000°,λ88.00000°. $M_0$8.70000×10^{15}
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=2.2km az=144.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=7.3km s-min=5.9km az=78.0.
ISC I 15 05 50 53.8–.57 29.24N–.09 141.2E–.20 50 3.8b 24 2-152
JMA I 15 05 50 48.1–.17 29.6N–.20 143E–2.0 56 3.9 **¶610237413**
IDC I 15 05 50 55.8–2.4 29.23N 141.15E 70–21 3.9,3.6b
ISC Event type ke.
JMA Event type ke. FAR E OFF IZU ISLANDS .
IDC Error ellipse: s-maj=25.5km s-min=14.5km az=80.0.
ISC I 16 16 16 59.5–2.4 30.1N–.20 138.8E–.60 10 3.5b 6 5-54

JMA I 16 16 16 53.2–.67 30N–3.0 139E–4.0 0 3.6 ¶610237525
IDC I 16 16 17 02.1–10 29.68N 137.73E 0 3.4,3.4b
ISC Event type ke.
JMA Event type ke. NEAR TORISHIMA IS .
IDC Error ellipse: s-maj=431.0km s-min=33.9km az=65.0.
IDC I 16 16 24 10.9–4.9 29.76N 140.19E 0 3.6,3.6b ¶610237526
IDC Error ellipse: s-maj=350.9km s-min=33.1km az=82.0.
ISC I 18 09 51 14.9–1.3 31.1N–.10 140.5E–.20 110 3.5b 11 2-55
IDC I 18 09 51 13.8–6.8 30.95N 140.32E 94–79 3.4,3.1b ¶610237659
JMA I 18 09 51 13.5–.22 31N–1.0 141E–2.0 136 3.3,3.1b
ISC Event type ke.
JMA Event type ke. NEAR TORISHIMA IS .
ISC I 19 22 06 52.2–1.2 32.10N–.08 141.0E–.10 35 3.9b 16 1-52
IDC I 19 22 06 49.8–2.0 31.70N 139.88E 0 3.6,3.6b ¶610237748
JMA I 19 22 06 53.5–.28 32.3N–.60 141E–1.0 37 3.4,3.6b
ISC Event type ke.
JMA Event type ke. E OFF HACHIJOJIMA ISLAND.
JMA I 20 14 13 43.2–.53 30N–3.0 139E–5.0 434 3.5 ¶614112170
JMA Event type ke. NEAR TORISHIMA IS .
ISC I 21 21 28 14.6–3.6 32.5N–.20 141.9E–.20 35 3.7b 6 2-53
IDC I 21 21 28 09.9–2.2 32.21N 141.92E 0 3.7,3.6b ¶610235022
ISC Event type ke.
IDC Error ellipse: s-maj=61.6km s-min=24.2km az=70.0.
ISC I 22 15 36 42.5–.40 32.38N–.05 141.72E–.05 10 4.5b 166 2-93
MOS I 22 15 36 40.6–.98 32.36N 141.77E 13 4.7b ¶610105092
IDC I 22 15 36 40.4–.62 32.38N 141.78E 0 4.0,4.0b
JMA I 22 15 36 43.0–.29 32.5N–.80 142E–1.0 14 4.0,4.0b
NEIC I 22 15 36 43.1–.81 32.35N–.07 141.64E–.10 10–1 4.6b,4.0b
ISC Event type ke.
JMA Event type ke. E OFF HACHIJOJIMA ISLAND.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 22 17 35 27.9–1.3 32.42N–.08 141.8E–.10 35 3.5b 15 2-67
IDC I 22 17 35 23.8–2.1 32.26N 141.62E 0 4.2s,3.5b ¶610235125
JMA I 22 17 35 26.1–.72 33N–2.0 142E–3.0 0 3.7,3.5b
ISC Event type ke.
JMA Event type ke. E OFF HACHIJOJIMA ISLAND.
ISC I 23 13 11 25.3–.00 32.19N–.10 139.9E–.10 132 3.4b 18 0-94
IDC I 23 13 11 24.6–1.2 32.07N 139.70E 126–12 3.5,3.2b ¶610235197
JMA I 23 13 11 27.4–.29 32N–1.0 140E–3.0 133–1 3.1,3.2b
ISC Event type ke.
JMA Event type ke. NEAR HACHIJOJIMA ISLAND .
IDC I 24 07 52 20.1–306 30.19N 137.15E 0 ¶610235252
IDC Error ellipse: s-maj=128.1km s-min=111.7km az=58.0.
ISC I 24 17 26 02.2–.42 33.28N–.04 138.06E–.05 317–3 4.1b 316 1-118
NIED I 24 17 26 00.6 33.27N 138.12E 337 4.2W ¶610114201
JMA I 24 17 26 00.6–.38 33N–1.0 138E–1.0 337–3 3.9
MOS I 24 17 26 00.9–.97 33.21N 138.00E 317 4.0b
IDC I 24 17 26 02.2–.56 33.26N 138.00E 314–5 4.2,3.5b
NEIC I 24 17 26 03–2.6 33.30N–.06 138.11E–.07 321–3 4.2b,3.5b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.94 $M_{\theta\theta}$0.57 $M_{\phi\phi}$-1.52 $M_{r\theta}$-0.03 $M_{\theta\phi}$0.52 $M_{\phi r}$-1.82 NP1:ϕ_s182.00000°,δ74.00000°,λ104.00000°. NP2:ϕ_s320.00000°,δ22.00000°,λ50.00000°. $M_0$2.26000×10^{15}
JMA Event type ke. FAR S OFF TOKAI DISTRICT.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 25 05 12 43.4–2.3 32.3N–.30 138.1E–.10 400 3.5b 13 2-76
JMA I 25 05 12 42.0–.54 32N–4.0 138E–2.0 376 3.3 ¶610235297
IDC I 25 05 12 47.1–20 32.68N 137.77E 394–65 3.7,3.1b
ISC Event type ke.
JMA Event type ke. FAR S OFF TOKAI DISTRICT.
IDC Error ellipse: s-maj=361.1km s-min=67.7km az=168.0.
ISC I 25 09 10 02.9–.50 30.08N–.06 138.86E–.07 421 3.8b 124 3-82
JMA I 25 09 09 59.9–.17 30N–1.0 139E–2.0 450 3.3 ¶610235316
MOS I 25 09 10 01.3–.87 30.08N 138.74E 417 4.0b
IDC I 25 09 10 03.3–1.0 30.13N 138.73E 425–11 4.1,3.3b
NEIC I 25 09 10 03.1–1.7 30.1N–.10 138.9E–.20 418–8 4.1b,3.3b
ISC Event type ke.
JMA Event type ke. NEAR TORISHIMA IS .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 25 10 00 12.2–.52 31.26N–.05 141.74E–.07 10 4.1b 67 2-93
IDC I 25 10 00 10.7–.70 31.26N 141.81E 0 3.9,3.9b ¶610235319
NEIC I 25 10 00 13.0–1.2 31.32N–.08 141.71E–.08 10–1 4.5b,3.9b
JMA I 25 10 00 16.3–.70 32N–2.0 142E–2.0 0 4.1,3.9b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. NEAR TORISHIMA IS .
ISC I 25 16 28 13.1–1.4 32.46N–.09 141.63E–.10 50 3.3b 15 2-56
JMA I 25 16 28 12.9–.22 32.5N–.90 141.6E–.80 63 3.2 ¶610235335
IDC I 25 16 28 13.7–1.4 31.80N 139.29E 0 3.3b,3.2
ISC Event type ke.
JMA Event type ke. E OFF HACHIJOJIMA ISLAND.
IDC Error ellipse: s-maj=50.6km s-min=18.9km az=99.0.
IDC I 27 00 38 35.7–4.8 30.70N 141.93E 45–27 3.4,3.1b ¶610235423
IDC Error ellipse: s-maj=154.2km s-min=17.3km az=75.0.
ISC I 28 02 46 59.7–1.2 33.33N–.03 139.51E–.05 8–8 3.5b 34 0-85
IDC I 28 02 46 57.7–.67 33.12N 139.75E 0 3.6,3.6b ¶610235529
JMA I 28 02 47 00.2–.12 33.3N–.30 140E–2.0 19–3 3.4,3.6b
ISC Event type ke.
JMA Event type ke. NEAR HACHIJOJIMA ISLAND .
ISC I 28 14 17 02.5–1.4 33.21N–.06 138.19E–.03 27–13 39 1-57
JMA I 28 14 17 03.7–.10 33.3N–.50 138.2E–.30 54–2 3.5 ¶610235563
IDC I 28 14 17 07.2–2.0 33.66N 138.76E 0 3.3b,3.2
ISC Event type ke.
JMA Event type ke. FAR S OFF TOKAI DISTRICT.
IDC Error ellipse: s-maj=132.1km s-min=24.4km az=86.0.
ISC I 30 11 49 52.4–2.0 33.46N–.07 141.0E–.10 51–22 17 1-57
IDC I 30 11 49 49.5–2.3 32.99N 139.89E 0 3.6b,3.4 ¶610235728
JMA I 30 11 49 52.1–.23 33.5N–.70 141E–1.0 59 3.1,3.4
ISC Event type ke.
JMA Event type ke. E OFF HACHIJOJIMA ISLAND.
IDC I 31 12 02 08.1–4.7 29.73N 141.71E 0 3.4b,3.3 ¶610235817
IDC Error ellipse: s-maj=189.7km s-min=27.9km az=73.0.
ISC II 02 03 40 11.4–1.7 33.56N–.06 140.9E–.10 55–19 19 1-57
JMA II 02 03 40 12.2–.23 33.7N–.70 141E–1.0 47 3.1 ¶610414645
IDC II 02 03 40 14.4–3.5 33.43N 140.61E 78–26 3.5,3.4b
ISC Event type ke.
JMA Event type ke. E OFF HACHIJOJIMA ISLAND.
IDC Error ellipse: s-maj=67.6km s-min=12.9km az=81.0.
ISC II 04 15 59 50.2–.91 33.3N–.10 138.2E–.10 350 3.0b 11 1-71
IDC II 04 15 59 50.2–.73 33.34N 138.12E 343–14 3.5,2.9b ¶610414828
ISC Event type ke.
IDC Error ellipse: s-maj=43.8km s-min=13.4km az=66.0.
ISC II 05 13 20 59.7–.79 33.00N–.05 140.15E–.08 148–6 3.5b 35 0-93
IDC II 05 13 20 59.7–.93 33.10N 140.10E 144–4 3.8,3.2b ¶610414884
JMA II 05 13 21 01.2–.16 33.1N–.50 140E–1.0 142–1 3.9,3.2b
ISC Event type ke.
JMA Event type ke. E OFF HACHIJOJIMA ISLAND.
ISC II 05 19 51 52.3–1.1 32.15N–.08 139.66E–.06 15 3.7b 24 0-150
IDC II 05 19 51 50.0–1.3 32.17N 139.70E 0 3.8,3.8b ¶610414905
JMA II 05 19 51 51.4–.14 32N–1.0 140E–2.0 17 3.3,3.8b
ISC Event type ke.
JMA Event type ke. E OFF HACHIJOJIMA ISLAND.
ISC II 06 15 55 57.0–1.0 31.22N–.07 140.9E–.10 71 3.6b 20 2-55
JMA II 06 15 55 58.0–.25 31N–1.0 141E–1.0 76 3.9 ¶610414983
IDC II 06 15 55 57.7–2.3 31.01N 140.20E 72–63 3.5,3.1b
ISC Event type ke.
JMA Event type ke. NEAR TORISHIMA IS .
IDC Error ellipse: s-maj=184.1km s-min=11.3km az=70.0.
JMA II 09 04 05 44.2–.28 32N–1.0 142E–2.0 31 3.8 ¶614129638
JMA Event type ke. NEAR TORISHIMA IS .
ISC II 11 14 44 24.7–1.1 32.1N–.10 137.9E–.10 380 3.0b 19 3-72
JMA II 11 14 44 13.1–.49 31N–4.0 138E–2.0 492 3.5 ¶610415322
IDC II 11 14 44 25.5–2.2 32.10N 137.64E 386–29 3.6,2.8b
ISC Event type ke.
JMA Event type ke. NEAR TORISHIMA IS .
IDC Error ellipse: s-maj=52.1km s-min=19.3km az=73.0.
ISC II 11 19 52 18.8–1.8 31.3N–.10 142.5E–.30 35 3.6b 13 4-55
IDC II 11 19 52 19.3–3.7 30.83N 140.72E 0 3.5b,3.4 ¶610415332
JMA II 11 19 52 19.8–.47 32N–2.0 143E–4.0 146 2.9,3.4
ISC Event type ke.
JMA Event type ke. FAR E OFF IZU ISLANDS .
ISC II 12 11 19 19.8–1.4 32.77N–.08 141.7E–.10 41 3.4b 15 2-57
JMA II 12 11 19 12.6–.30 32.8N–.80 142E–1.0 14 3.3 ¶610415374
IDC II 12 11 19 21.5–4.4 32.82N 141.47E 46–42 3.3,3.1b
ISC Event type ke.
JMA Event type ke. E OFF HACHIJOJIMA ISLAND.
IDC Error ellipse: s-maj=38.8km s-min=33.8km az=50.0.
ISC II 12 18 07 54.8–.58 29.24N–.05 141.5E–.10 50 3.6b 45 2-81
JMA II 12 18 07 54.2–.12 29.3N–.90 142E–5.0 49 4.3 ¶610415394
IDC II 12 18 07 55.2–1.1 29.17N 141.33E 56–11 3.7,3.4b
ISC Event type ke.
JMA Event type ke. NEAR TORISHIMA IS .
IDC Error ellipse: s-maj=22.7km s-min=7.2km az=74.0.
ISC II 14 00 34 55.5–2.4 29.2N–.10 142.4E–.60 27 3.7b 10 2-53
IDC II 14 00 34 51.5–3.0 29.22N 142.56E 0 3.7b,3.6 ¶610415475
ISC Event type ke.
IDC Error ellipse: s-maj=107.5km s-min=17.3km az=77.0.
ISC II 14 20 33 44.1–.87 33.55N–.06 139.59E–.05 165–6 3.2b 45 0-71
JMA II 14 20 33 43.5–.19 33.6N–.50 139.6E–.90 166–1 3.4 ¶610415526
IDC II 14 20 33 43.8–1.0 33.48N 139.63E 163–8 3.5,3.1b
ISC Event type ke.
JMA Event type ke. NEAR MIYAKEJIMA ISLAND .
IDC Error ellipse: s-maj=81.3km s-min=12.2km az=72.0.
IDC II 17 07 42 21.0–4.3 30.56N 141.15E 0 3.4,3.4b ¶610415672
IDC Error ellipse: s-maj=164.4km s-min=23.7km az=72.0.
ISC II 20 02 58 43.9–.54 32.40N–.05 141.75E–.07 39 4.2b 59 2-121
NEIC II 20 02 58 38.7–1.5 32.53N–.08 141.95E–.09 10–1 4.6b ¶610247255
IDC II 20 02 58 39.5–.63 32.38N 141.60E 0 3.8,3.8b
NIED II 20 02 58 39.4 32.44N 142.13E 68 4.5W,3.8b
JMA II 20 02 58 39.4–.31 32N–1.0 142E–1.0 68 3.6,3.8b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}2.01 $M_{\theta\theta}$-0.38 $M_{\phi\phi}$-1.63 $M_{r\theta}$4.66 $M_{\theta\phi}$0.18 $M_{\phi r}$-2.48 NP1:ϕ_s121.00000°,δ82.00000°,λ83.00000°. NP2:ϕ_s344.00000°,δ10.00000°,λ132.00000°. $M_0$5.51000×10^{15}
JMA Event type ke. FAR E OFF IZU ISLANDS .
ISC II 20 14 55 06.3–.95 32.56N–.07 141.78E–.09 35 4.2b 38 2-73
IDC II 20 14 55 01.1–2.3 32.70N 142.06E 0 4.1,4.1b ¶610384690
JMA II 20 14 55 04.5–.23 32.8N–.70 141.7E–.90 0 3.9,4.1b
NEIC II 20 14 55 09.9–.58 32.9N–.10 141.6E–.10 40–12 4.1b,4.1b
ISC Event type ke.
JMA Event type ke. E OFF HACHIJOJIMA ISLAND.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 20 22 50 36.3–.54 33.25N–.04 138.06E–.04 303–5 4.2b 424 1-151
NIED II 20 22 50 33.6 33.20N 138.31E 322 4.3W ¶610237802
JMA II 20 22 50 33.6–.53 33N–2.0 138E–2.0 322–4 4.1
MOS II 20 22 50 35.3–.91 33.21N 138.06E 307 4.2b
NEIC II 20 22 50 36.5–1.3 33.22N–.06 138.07E–.08 301–6 4.3b
IDC II 20 22 50 36.6–.47 33.23N 138.03E 302–4 4.4,3.7b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}1.54 $M_{\theta\theta}$0.26 $M_{\phi\phi}$-1.80 $M_{r\theta}$-0.20 $M_{\theta\phi}$-1.19 $M_{\phi r}$-2.57 NP1:ϕ_s186.00000°,δ73.00000°,λ73.00000°. NP2:ϕ_s52.00000°,δ24.00000°,λ133.00000°. $M_0$3.27000×10^{15}
JMA Event type ke. FAR S OFF TOKAI DISTRICT.
MOS Error ellipse: s-maj=8.1km s-min=5.3km az=105.2.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=5.9km az=129.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=8.6km s-min=7.3km az=71.0.
JMA II 21 11 53 26.5–.49 31N–3.0 143E–4.0 0 3.9 ¶614139193
JMA Event type ke. FAR E OFF IZU ISLANDS .
ISC II 23 20 25 25.1–.85 29.99N–.08 139.1E–.10 421 3.0b 24 3-80
IDC II 23 20 25 25.8–1.1 29.99N 139.04E 434–19 3.7,2.8b ¶610384898
JMA II 23 20 25 27.0–.42 30N–3.0 139E–2.0 450 3.5,2.8b
ISC Event type ke.
JMA Event type ke. NEAR TORISHIMA IS .
ISC II 24 08 55 50.8–.72 30.76N–.06 139.0E–.10 400 3.3b 34 2-79
JMA II 24 08 55 49.6–.27 31N–2.0 139E–3.0 430 3.6 ¶610384924
IDC II 24 08 55 50.8–.83 30.72N 138.80E 394–14 3.8,3.0b
ISC Event type ke.
JMA Event type ke. NEAR TORISHIMA IS .
IDC Error ellipse: s-maj=41.0km s-min=11.8km az=69.0.
ISC II 25 16 03 44.1–.35 31.21N–.04 140.35E–.05 100–2 4.7b 576 1-155
MOS II 25 16 03 41.6–1.1 31.12N 140.27E 98 4.6b ¶610241255
IDC II 25 16 03 44.3–.51 31.21N 140.17E 101–4 4.3,4.0b
NEIC II 25 16 03 44.3–2.4 31.16N–.06 140.32E–.09 101–6 4.9b,4.0b
JMA II 25 16 03 45.3–.19 31.4N–.90 141E–2.0 107–2 4.5,4.1
NIED II 25 16 03 45.3 31.39N 140.61E 107 4.4W,4.1
ISC Event type ke.
MOS Error ellipse: s-maj=10.5km s-min=5.2km az=101.7.
IDC Error ellipse: s-maj=11.6km s-min=6.2km az=79.0.
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=8.1km az=86.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. NEAR TORISHIMA IS .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.58 $M_{\theta\theta}$2.45 $M_{\phi\phi}$-1.88 $M_{r\theta}$1.15 $M_{\theta\phi}$-2.33 $M_{\phi r}$-3.56 NP1:ϕ_s336.00000°,δ85.00000°,λ-50.00000°. NP2:ϕ_s72.00000°,δ40.00000°,λ-173.00000°. $M_0$4.93000×10^{15}
JMA II 25 19 04 30.4–.32 31N–1.0 141E–1.0 0 4.0 ¶614142647
JMA Event type ke. NEAR TORISHIMA IS .
IDC II 26 07 01 51.9–4.6 31.29N 140.95E 0 3.7s,3.4b ¶610385039
IDC Error ellipse: s-maj=186.3km s-min=23.0km az=71.0.
IDC II 26 08 46 43.4–3.1 30.57N 140.50E 0 3.4,3.4b ¶610385045
IDC Error ellipse: s-maj=135.1km s-min=23.2km az=75.0.
ISC II 26 18 07 32.9–1.3 31.75N–.07 142.1E–.10 50 16 2-56
JMA II 26 18 07 31.2–.36 32N–1.0 142E–2.0 49 3.3 ¶610385078
IDC II 26 18 07 33.9–2.1 31.26N 140.54E 0 3.4s,3.4
ISC Event type ke.
JMA Event type ke. NEAR TORISHIMA IS .
IDC Error ellipse: s-maj=129.5km s-min=18.7km az=77.0.
ISC II 27 04 32 42.2–.32 31.67N–.04 141.74E–.05 10 4.9b,4.0s 527 2-153
IDC II 27 04 32 41.3–.44 31.66N 141.76E 0 4.6,4.6b ¶610241549
BJI II 27 04 32 41.1–.00 31.63N 141.78E 18 4.8b,4.7b
NEIC II 27 04 32 42.6–1.6 31.63N–.04 141.75E–.09 11–4 4.9b,4.7b
MOS II 27 04 32 43.0–1.1 31.65N 141.71E 23 5.0b,4.2s

JMA II 27 04 32 43.2–.33 32N–1.0 142E–1.0 32 4.4,4.2s
NIED II 27 04 32 43.2 31.75N 141.96E 32 4.8W,4.2s
GCMT II 27 04 32 46.6–.40 31.45N–.05 141.74E–.03 18–1 4.8W,4.2s
ISC Event type ke. Moment Tensor Solution. NP1:ϕ_s173.24139°,δ21.23407°,λ110.46252°. NP2: ϕ_s331.42432°,δ70.16419°,λ82.26440°. Principal axes: T Plg64.0322°,Azm228.8699° ; N Plg7.2741°,Azm334.0634°; P Plg24.7816°,Azm67.4418°
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. NEAR TORISHIMA IS .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}0.88 $M_{\theta\theta}$-0.01 $M_{\phi\phi}$-0.87 $M_{r\theta}$-0.66 $M_{\theta\phi}$0.15 $M_{\phi r}$1.10 NP1:ϕ_s333.00000°,δ73.00000°,λ80.00000°. NP2:ϕ_s185.00000° ,δ19.00000°,λ120.00000°. $M_0$1.56000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s21,c22; s69,c85;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.71±.16 $M_{\theta\theta}$0.10±.11; $M_{\phi\phi}$-1.81±.12; $M_{r\theta}$1.09±.32; $M_{\theta\phi}$-0.14±.07; $M_{\phi r}$0.04±.24; Best double couple: NP1:ϕ_s29.00000°,δ41.00000°,λ124.00000°. NP2:ϕ_s160.00000°,δ49.00000°,λ53.00000°. Principal axes: T 2.2600,Plg63.0000° ,Azm1.0000°; N -0.4380,Plg27.0000°,Azm187.0000°; P -1.8250,Plg2.0000°,Azm95.0000° $M_0$2.04200×10^{16}

ISC III 01 05 17 58.3–.88 32.36N–.09 137.88E–.08 400 3.2b 31 2-76
JMA III 01 05 17 57.3–.29 32N–3.0 138E–2.0 405 3.8 **¶610545296**
IDC III 01 05 17 58.3–1.1 32.22N 137.73E 393–13 3.7,3.0b
ISC Event type ke.
JMA Event type ke. FAR S OFF TOKAI DISTRICT.
IDC Error ellipse: s-maj=31.9km s-min=15.5km az=69.0.

ISC III 02 05 30 12.2–1.4 31.6N–.10 141.8E–.20 35 3.5b 10 2-55
JMA III 02 05 30 08.9–.37 32N–2.0 142E–2.0 31 3.4 **¶610545366**
IDC III 02 05 30 15.7–5.5 31.38N 141.10E 42–76 3.5,3.3b
ISC Event type ke.
JMA Event type ke. NEAR TORISHIMA IS .
IDC Error ellipse: s-maj=266.6km s-min=33.3km az=69.0.

ISC III 02 16 00 15.8–.76 29.61N–.07 139.6E–.10 350 3.3b 29 3-80
JMA III 02 16 00 14.8–.13 29.6N–1.0 140E–2.0 392 3.6 **¶610545398**
IDC III 02 16 00 16.5–.78 29.60N 139.61E 362–10 3.8,3.0b
ISC Event type ke.
JMA Event type ke. NEAR TORISHIMA IS .
IDC Error ellipse: s-maj=29.9km s-min=9.6km az=75.0.

ISC III 03 17 46 59.1–.40 30.75N–.04 141.75E–.07 35 4.3b,3.6s 174 3-122
IDC III 03 17 46 54.3–.59 30.75N 141.69E 0 4.0,4.0b **¶610244802**
MOS III 03 17 46 56.2–1.2 30.76N 141.72E 28 4.5b,4.0b
NIED III 03 17 46 57.2 30.90N 142.00E 48 4.4W,4.0b
JMA III 03 17 46 57.2–.30 31N–1.0 142E–2.0 48 4.3,4.0b
NEIC III 03 17 46 58.3–1.4 30.78N–.05 141.8E–.10 28–5 4.5b,4.0b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}1.87 $M_{\theta\theta}$-0.35 $M_{\phi\phi}$-1.52 $M_{r\theta}$-2.35 $M_{\theta\phi}$0.88 $M_{\phi r}$4.35 NP1:ϕ_s332.00000°,δ79.00000°,λ90.00000°. NP2:ϕ_s152.00000° ,δ11.00000°,λ90.00000°. $M_0$5.30000×10^{15}
JMA Event type ke. NEAR TORISHIMA IS .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC III 05 01 35 41.5–.65 30.79N–.07 141.7E–.10 35 4.0b 40 3-84
IDC III 05 01 35 36.5–.91 30.67N 141.63E 0 3.8,3.8b **¶610470917**
NEIC III 05 01 35 39.1–.81 30.87N–.06 142.0E–.20 22–6 4.2b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC III 05 10 46 17.4–.90 30.1N–.10 139.8E–.20 300 3.2b 8 3-74
IDC III 05 10 46 18.1–1.0 30.00N 139.85E 318–22 3.7,3.1b **¶610545588**
ISC Event type ke.
IDC Error ellipse: s-maj=76.8km s-min=13.0km az=71.0.

IDC III 07 19 18 37.7–3.6 30.94N 140.72E 0 3.5b,3.4
¶610545754
IDC Error ellipse: s-maj=146.4km s-min=25.7km az=73.0.

ISC III 08 11 52 02.4–.38 31.63N–.04 141.97E–.05 29 4.6b,4.1s 205 2-152
BJI III 08 11 51 53.7–.00 31.54N 142.26E 5 4.7b,4.5s **¶610274478**
IDC III 08 11 51 58.6–.58 31.66N 141.88E 0 4.2,4.2b
MOS III 08 11 51 58.0–1.5 31.78N 142.01E 10 4.7b,4.0s
NIED III 08 11 52 00.9 31.67N 141.91E 55 4.8W,4.0s
NEIC III 08 11 52 00.1–1.3 31.68N–.06 142.0E–.10 10–1 4.7b,4.0s
JMA III 08 11 52 00.9–.26 31.7N–.80 142E–1.0 55 4.4,4.0s
GCMT III 08 11 52 04.1–.40 31.51N–.04 141.98E–.02 20–1 4.8W,4.0s
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}1.34 $M_{\theta\theta}$-0.11 $M_{\phi\phi}$-1.23 $M_{r\theta}$-0.39 $M_{\theta\phi}$0.33 $M_{\phi r}$0.57 NP1:ϕ_s336.00000°,δ59.00000°,λ81.00000°. NP2:ϕ_s173.00000° ,δ32.00000°,λ104.00000°. $M_0$1.50000×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. NEAR TORISHIMA IS .
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s15,c19; s76,c104;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.29±.16 $M_{\theta\theta}$-0.23±.08; $M_{\phi\phi}$-2.06±.11; $M_{r\theta}$0.41±.20; $M_{\theta\phi}$0.24±.06; $M_{\phi r}$0.65±.18; Best double couple: NP1:ϕ_s4.00000°,δ54.00000°,λ102.00000°. NP2:ϕ_s163.00000°,δ38.00000°,λ74.00000°. Principal axes: T 2.4560,Plg77.0000° ,Azm317.0000°; N -0.2870,Plg10.0000°,Azm176.0000°; P -2.1710,Plg8.0000°,Azm85.0000° $M_0$2.31300×10^{16}

ISC III 08 12 21 30.6–1.1 31.72N–.08 141.9E–.10 10 3.8b 29 2-56
IDC III 08 12 21 29.0–1.2 31.62N 141.88E 0 3.7b,3.6 **¶610545806**
JMA III 08 12 21 31.8–.25 31.8N–.80 142E–1.0 47 3.6,3.6
ISC Event type ke.
JMA Event type ke. NEAR TORISHIMA IS .

ISC III 08 12 22 58.7–1.4 31.64N–.10 142.0E–.20 29 3.4b 8 2-56
IDC III 08 12 22 54.9–2.1 31.63N 142.02E 0 3.5,3.4b **¶610545807**
ISC Event type ke.
IDC Error ellipse: s-maj=65.9km s-min=21.9km az=76.0.

IDC III 08 18 35 02.6–3.0 31.79N 139.81E 0 3.2,3.2b
¶610545826
IDC Error ellipse: s-maj=124.8km s-min=27.5km az=74.0.

ISC III 08 22 48 59.3–.56 31.63N–.07 141.81E–.08 29 4.1b 60 2-93
IDC III 08 22 48 54.7–.74 31.62N 141.91E 0 4.0,4.0b **¶610545837**
NEIC III 08 22 48 58.2–1.2 31.67N–.07 141.9E–.10 18–4 4.4b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC III 09 03 25 13.3–2.2 31.6N–.20 141.5E–.40 50 3.4b 7 2-55
IDC III 09 03 25 08.9–3.6 31.29N 140.92E 0 3.4b,3.3 **¶610545851**
ISC Event type ke.
IDC Error ellipse: s-maj=141.8km s-min=19.4km az=72.0.

ISC III 09 12 43 05.9–.90 30.54N–.09 137.7E–.10 496 3.6b 26 3-62
JMA III 09 12 43 02.7–.56 30N–4.0 138E–3.0 521 3.6 **¶610545880**
IDC III 09 12 43 03.5–1.1 30.59N 137.61E 452–23 3.9,3.0b
ISC Event type ke.
JMA Event type ke. SHIKOKU BASIN .
IDC Error ellipse: s-maj=35.3km s-min=15.3km az=66.0.

ISC III 10 15 53 53.6–.32 29.68N–.03 140.85E–.04 116–2 4.9b 737 3-152
BGR III 10 15 53 42.3 29.26N 140.89E 33 4.8b **¶611832010**
BJI III 10 15 53 48.4–.00 29.56N 141.36E 126 4.9b,4.8b
MOS III 10 15 53 51.1–.97 29.61N 140.61E 102 5.0b,4.8b
JMA III 10 15 53 53.0–.11 30N–2.0 141E–5.0 122 4.9W,4.8
NEIC III 10 15 53 52.9–2.4 29.69N–.06 141.0E–.10 110–5 5.0b,4.8
NIED III 10 15 53 53.0 29.69N 141.24E 122 4.7W,4.8
IDC III 10 15 53 53.6–.55 29.59N 140.78E 114–5 4.8,4.4b
GCMT III 10 15 53 55.9–.30 29.72N–.02 140.96E–.02 123–3 4.8W,4.4b
ISC Event type ke.
BGR Event type ke.
JMA Event type ke. NEAR TORISHIMA IS .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}0.34 $M_{\theta\theta}$-0.33 $M_{\phi\phi}$-0.01 $M_{r\theta}$0.14 $M_{\theta\phi}$-0.87 $M_{\phi r}$0.75 NP1:ϕ_s12.00000°,δ80.00000°,λ45.00000°. NP2:ϕ_s272.00000° ,δ46.00000°,λ165.00000°. $M_0$1.20000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s20,c23; s86,c130;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.80±.09 $M_{\theta\theta}$-0.74±.09; $M_{\phi\phi}$-0.06±.10; $M_{r\theta}$-0.19±.06; $M_{\theta\phi}$-1.64±.08; $M_{\phi r}$1.45±.06; Best double couple: NP1:ϕ_s13.00000°,δ75.00000°,λ43.00000°. NP2:ϕ_s269.00000°,δ49.00000°,λ159.00000°. Principal axes: T 2.3600,Plg41.0000° ,Azm239.0000°; N -0.0630,Plg45.0000°,Azm29.0000°; P -2.2970,Plg16.0000° ,Azm135.0000° $M_0$2.32900×10^{16}

ISC III 13 06 13 39.0–.70 31.18N–.07 138.34E–.09 400 3.2b 32 2-81
JMA III 13 06 13 37.4–.33 31N–3.0 138E–2.0 448 3.4 **¶610326234**
IDC III 13 06 13 38.5–.77 31.13N 138.07E 396–9 3.7,2.8b
ISC Event type ke.
JMA Event type ke. NEAR TORISHIMA IS .
IDC Error ellipse: s-maj=20.5km s-min=10.4km az=70.0.

ISC III 14 06 56 39.9–.54 31.79N–.06 141.72E–.06 10 4.7b,4.0s 234 2-153
BJI III 14 06 56 35.7–.00 31.67N 141.84E 9 4.8b,4.7b **¶610327703**
IDC III 14 06 56 36.9–.48 31.65N 141.73E 0 4.5,4.5b
MOS III 14 06 56 36.9–.99 31.64N 141.70E 10 5.0b,4.5b
NEIC III 14 06 56 38.7–2.1 31.63N–.07 141.73E–.09 10–1 4.7b,4.5b
JMA III 14 06 56 45.3–.78 32N–2.0 142E–3.0 14 4.0,4.5b
NIED III 14 06 56 45.3 32.16N 141.54E 14 4.7W,4.5b
ISC Event type ke.
IDC Error ellipse: s-maj=13.9km s-min=11.1km az=65.0.
MOS Error ellipse: s-maj=10.2km s-min=4.8km az=111.9.
NEIC Event type se. Error ellipse: s-maj=13.5km s-min=10.6km az=56.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. E OFF HACHIJOJIMA ISLAND.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}0.52 $M_{\theta\theta}$-0.09 $M_{\phi\phi}$-0.43 $M_{r\theta}$-1.08 $M_{\theta\phi}$0.13 $M_{\phi r}$0.28 NP1:ϕ_s291.00000°,δ81.00000°,λ79.00000°. NP2:ϕ_s161.00000° ,δ15.00000°,λ139.00000°. $M_0$1.19000×10^{16}

IDC III 17 07 41 55.2–3.2 30.31N 140.86E 0 3.7b,3.6
¶610546368
IDC Error ellipse: s-maj=122.2km s-min=29.3km az=72.0.

ISC III 17 08 26 26.2–.64 30.62N–.05 140.8E–.10 35 4.0b,3.7s 27 4-153
IDC III 17 08 26 22.2–.57 30.36N 140.20E 0 3.9,3.9b **¶610546373**
JMA III 17 08 26 25.3–.15 30.7N–.80 141E–2.0 27 4.0,3.9b
ISC Event type ke.
JMA Event type ke. NEAR TORISHIMA IS .

ISC III 18 07 22 49.6–.95 30.87N–.09 141.9E–.20 24 3.7b 12 4-83
IDC III 18 07 22 46.1–1.1 30.88N 141.99E 0 3.7,3.7b **¶610546434**
ISC Event type ke.
IDC Error ellipse: s-maj=43.2km s-min=17.4km az=79.0.

ISC III 18 22 24 38.0–.45 31.93N–.06 138.12E–.05 380 3.9b 194 1-89
BJI III 18 22 24 35.0–.00 32.00N 138.10E 369 4.4b,4.2b **¶610345835**
MOS III 18 22 24 37.8–.74 32.04N 138.00E 384 4.0b,4.2b
IDC III 18 22 24 37.8–1.0 31.95N 137.98E 370–9 4.1,3.3b
JMA III 18 22 24 38.1–.24 32N–2.0 138E–2.0 390 3.8,3.3b
NEIC III 18 22 24 38.8–1.2 32.00N–.09 138.07E–.10 379–7 4.0b,3.3b
NIED III 18 22 24 38.1 32.10N 138.15E 390 4.2W,3.3b
ISC Event type ke.
MOS Error ellipse: s-maj=11.6km s-min=5.9km az=120.8.
IDC Error ellipse: s-maj=13.1km s-min=11.7km az=79.0.
JMA Event type ke. FAR S OFF TOKAI DISTRICT.
NEIC Event type se. Error ellipse: s-maj=12.5km s-min=11.7km az=160.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.53 $M_{\theta\theta}$-0.01 $M_{\phi\phi}$0.54 $M_{r\theta}$-0.68 $M_{\theta\phi}$-0.71 $M_{\phi r}$-2.07 NP1:ϕ_s12.00000°,δ85.00000°,λ-70.00000°. NP2:ϕ_s117.00000° ,δ20.00000°,λ-164.00000°. $M_0$2.33000×10^{15}

ISC III 19 11 12 36.5–.95 32.23N–.09 138.0E–.10 400 2.7b 9 4-56
IDC III 19 11 12 37.6–1.6 32.35N 137.66E 396–27 3.3,2.5b **¶610546507**
ISC Event type ke.
IDC Error ellipse: s-maj=45.9km s-min=21.1km az=62.0.

ISC III 21 21 01 03.1–.64 30.07N–.06 139.3E–.10 425 3.3b 41 4-80
IDC III 21 21 01 03.1–.86 30.00N 139.10E 413–12 3.8,3.0b **¶610543426**
JMA III 21 21 01 03.9–.19 30N–1.0 139E–3.0 425 3.5,3.0b
ISC Event type ke.
JMA Event type ke. NEAR TORISHIMA IS .

ISC III 22 03 26 33.5–.62 31.77N–.06 140.80E–.08 35 4.1b,3.6s 52 2-94
IDC III 22 03 26 38.9–1.6 31.80N 140.55E 84–14 4.0,3.7b **¶610416108**
NIED III 22 03 26 38.8 32.17N 140.73E 19 4.4W,3.7b
JMA III 22 03 26 38.8–.37 32N–1.0 141E–1.0 19 4.4,3.7b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.15 $M_{\theta\theta}$-0.49 $M_{\phi\phi}$0.65 $M_{r\theta}$0.38 $M_{\theta\phi}$-0.24 $M_{\phi r}$-3.75 NP1:ϕ_s355.00000°,δ87.00000°,λ-88.00000°. NP2:ϕ_s143.00000° ,δ4.00000°,λ-122.00000°. $M_0$3.80000×10^{15}
JMA Event type ke. E OFF HACHIJOJIMA ISLAND.

ISC III 22 11 00 46.5–.96 31.92N–.08 140.69E–.09 73 3.5b 31 1-94
JMA III 22 11 00 46.6–.34 32.2N–.80 141E–1.0 14 3.6 **¶610543466**
IDC III 22 11 00 48.3–3.3 31.78N 140.63E 92–29 3.5,3.2b
ISC Event type ke.
JMA Event type ke. E OFF HACHIJOJIMA ISLAND.
IDC Error ellipse: s-maj=32.2km s-min=18.6km az=90.0.

IDC III 22 17 35 00.9–4.2 31.58N 139.74E 102–45 3.4,3.2b
¶610543477
IDC Error ellipse: s-maj=108.7km s-min=24.5km az=75.0.

ISC III 23 02 45 27.3–2.0 31.6N–.10 142.3E–.40 35 3.7b 12 3-56
IDC III 23 02 45 26.5–1.1 31.24N 141.02E 0 3.7,3.7b **¶610543502**
JMA III 23 02 45 27.1–.32 32N–1.0 143E–2.0 43 3.9,3.7b
ISC Event type ke.
JMA Event type ke. FAR E OFF IZU ISLANDS .

ISC III 25 21 13 05.0–.52 30.33N–.04 137.29E–.05 494–6 4.3b 246 3-85
NIED III 25 21 13 01.9 30.29N 137.49E 543 4.4W **¶610435100**
JMA III 25 21 13 01.9–.30 30N–2.0 137E–1.0 543–4 4.2
IDC III 25 21 13 05.9–.80 30.38N 137.18E 502–8 4.6,3.6b
NEIC III 25 21 13 05.8–1.2 30.37N–.09 137.2E–.10 497–8 4.4b,3.6b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.97 $M_{\theta\theta}$2.40 $M_{\phi\phi}$-1.43 $M_{r\theta}$1.12 $M_{\theta\phi}$2.39 $M_{\phi r}$-2.72 NP1:ϕ_s25.00000°,δ67.00000°,λ-149.00000°. NP2:ϕ_s282.00000° ,δ62.00000°,λ-26.00000°. $M_0$4.19000×10^{15}
JMA Event type ke. SHIKOKU BASIN .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC III 26 01 27 51.7–1.6 30.24N 140.77E 0 3.7b,3.5
¶610543690
IDC Error ellipse: s-maj=74.9km s-min=30.3km az=98.0.

ISC III 31 20 22 51.8–1.1 32.5N–.10 137.6E–.10 450 3.7b 33 2-83
JMA III 31 20 22 49.5–.50 32N–4.0 137E–3.0 436 3.2 **¶610544073**
IDC III 31 20 22 52.3–1.2 32.49N 137.48E 409–15 3.8,3.0b
NEIC III 31 20 22 52.5–1.3 32.5N–.10 137.5E–.10 414–9 4.0b,3.0b
ISC Event type ke.
JMA Event type ke. FAR S OFF TOKAI DISTRICT.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC IV 01 09 14 01.2–1.2 33.42N–.04 140.94E–.06 42–12 4.2b 94 1-149
IDC IV 01 09 14 01.1–2.3 33.43N 141.00E 42–21 3.8,3.6b **¶610630651**
JMA IV 01 09 14 02.2–.15 33.5N–.40 140.9E–.80 58–3 4.0,3.6b
NEIC IV 01 09 14 02.6–1.0 33.44N–.08 140.88E–.09 49–8 4.6b,3.6b
NIED IV 01 09 14 02.2 33.51N 140.87E 58 4.0W,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=22.8km s-min=14.9km az=85.0.
JMA Event type ke. E OFF HACHIJOJIMA ISLAND.
NEIC Event type se. Error ellipse: s-maj=14.2km s-min=4.6km az=136.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.85 $M_{\theta\theta}$0.10 $M_{\phi\phi}$-0.95 $M_{r\theta}$-0.47 $M_{\theta\phi}$0.16 $M_{\phi r}$0.24 NP1:ϕ_s329.00000°,δ59.00000°,λ63.00000°. NP2:ϕ_s194.00000° ,δ40.00000°,λ127.00000°. $M_0$1.06000×10^{15}

ISC IV 02 18 15 04.7–.41 31.04N–.05 141.63E–.06 37 4.3b,3.5s 132 3-149
IDC IV 02 18 15 00.1–.54 31.11N 141.63E 0 4.0,4.0b **¶610471062**
NIED IV 02 18 15 01.6 31.29N 141.73E 0 4.1W,4.0b

JMA IV 02 18 15 01.6–.35 31N–1.0 142E–1.0 0 4.0,4.0b
NEIC IV 02 18 15 03.0–2.4 31.09N–.06 141.7E–.10 20–6 4.5b,4.0b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; Mrr0.67 Mθθ0.58 Mφφ-1.25 Mrθ0.72 Mθφ-0.54 Mφr0.44 NP1:φs49.00000°,δ72.00000°,λ132.00000°. NP2:φs158.00000°,δ45.00000°,λ26.00000°. M0 1.46000×10^{15}
JMA Event type ke. NEAR TORISHIMA IS .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 03 03 09 31.8–3.5 32.54N–.09 141.0E–.30 55–30 15 1-53
IDC IV 03 03 09 29.1–3.2 31.98N 139.67E 0 3.4b,3.3 **¶610651790**
JMA IV 03 03 09 31.4–.20 32.6N–.50 141.0E–1.0 52 3.4,3.3
ISC Event type ke.
JMA Event type ke. E OFF HACHIJOJIMA ISLAND.
ISC IV 03 13 49 36.8–1.1 33.97N–.07 139.8E–.10 100 16 0-54
IDC IV 03 13 49 36.8–4.2 33.75N 139.46E 95–53 3.1,2.9b **¶610651843**
JMA IV 03 13 49 37.5–.29 34.0N–.80 140E–2.0 97–2 2.7,2.9b
ISC Event type ke.
JMA Event type ke. FAR S OFF BOSO PENINSULA.
IDC IV 03 22 52 11.1–9.7 30.92N 139.12E 0 3.7,3.7b
¶610651877
IDC Error ellipse: s-maj=370.9km s-min=29.9km az=65.0.
JMA IV 04 11 11 01.3–.35 32.9N–.80 142E–2.0 78 3.5
¶614788084
JMA Event type ke. FAR E OFF IZU ISLANDS .
ISC IV 05 03 27 04.4–.41 29.18N–.06 139.29E–.07 423 3.9b 117 3-152
IDC IV 05 03 27 04.7–.67 29.18N 139.31E 428–8 4.2,3.5b **¶610598302**
NEIC IV 05 03 27 05.3–1.6 29.1N–.10 139.4E–.10 436–8 4.0b,3.5b
JMA IV 05 03 27 05.6–.27 29N–1.0 140E–2.0 445–3 3.9,3.5b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. NEAR TORISHIMA IS .
ISC IV 05 06 34 21.4–.48 29.99N–.05 140.80E–.08 150 4.1b 81 3-122
JMA IV 05 06 34 20.4–.12 30N–1.0 141E–3.0 128 4.3 **¶610598304**
NEIC IV 05 06 34 20.5–1.4 29.98N–.06 140.89E–.06 138–9 4.3b
IDC IV 05 06 34 20.2–.66 29.90N 140.64E 131–7 4.3,3.9b
ISC Event type ke.
JMA Event type ke. NEAR TORISHIMA IS .
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=3.1km az=139.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=17.9km s-min=7.8km az=71.0.
ISC IV 05 10 42 52.9–.47 31.13N–.05 142.00E–.07 24 4.5b,3.9s 115 2-149
BJI IV 05 10 42 47.8–.00 31.07N 142.23E 22 4.9b,4.4b **¶610484886**
IDC IV 05 10 42 49.8–.55 31.15N 141.88E 0 4.2,4.2b
JMA IV 05 10 42 51.0–.23 31.2N–.80 142E–1.0 21 4.4,4.2b
NIED IV 05 10 42 51.0 31.16N 141.94E 21 4.6W,4.2b
NEIC IV 05 10 42 53.3–1.2 31.13N–.06 141.9E–.10 25–6 4.7b,4.2b
ISC Event type ke.
JMA Event type ke. NEAR TORISHIMA IS .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; Mrr4.03 Mθθ-0.19 Mφφ-3.84 Mrθ-3.34 Mθφ1.25 Mφr7.74 NP1:φs337.00000°,δ77.00000°,λ87.00000°. NP2:φs169.00000°,δ13.00000°,λ101.00000°. M0 9.38000×10^{15}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IV 05 10 45 46.9–4.2 30.88N 140.57E 0 3.2,3.2b
¶610652001
IDC Error ellipse: s-maj=250.1km s-min=35.6km az=81.0.
ISC IV 06 21 52 26.9–.41 30.44N–.05 138.42E–.07 450 4.0b 101 2-84
JMA IV 06 21 52 24.4–.26 31N–2.0 139E–4.0 499 3.7 **¶610598313**
IDC IV 06 21 52 25.6–.79 30.45N 138.51E 436–10 4.0,3.1b
NEIC IV 06 21 52 28.5–1.7 30.5N–.10 138.3E–.10 458–9 4.2b,3.1b
ISC Event type ke.
JMA Event type ke. NEAR TORISHIMA IS .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 07 20 18 42.0–4.2 31.8N–.40 141E–1.0 26 3.6b 7 5-56
IDC IV 07 20 18 40.7–3.3 31.61N 140.78E 0 3.6L,3.5 **¶610652179**
ISC Event type ke.
IDC Error ellipse: s-maj=134.1km s-min=21.7km az=69.0.
ISC IV 08 00 10 09.6–1.1 30.49N–.10 139.2E–.20 450 15 3-50
IDC IV 08 00 10 09.8–1.5 30.40N 138.97E 434–48 3.7,2.9b **¶610652187**
JMA IV 08 00 10 11.3–.32 31N–2.0 139E–4.0 447 3.4,2.9b
ISC Event type ke.
JMA Event type ke. NEAR TORISHIMA IS .
ISC IV 08 14 17 33.6–.81 32.70N–.04 140.50E–.05 20–3 4.5b,4.0s 329 1-147
IDC IV 08 14 17 35.9–2.2 32.62N 140.28E 39–19 4.2,4.0b **¶610523714**
NEIC IV 08 14 17 35.7–1.9 32.68N–.06 140.3E–.10 30–6 4.6b,4.0b
NIED IV 08 14 17 36.7 32.75N 140.23E 43 4.2W,4.0b
MOS IV 08 14 17 36.1–1.9 32.77N 140.49E 40 4.6b,4.0b
JMA IV 08 14 17 36.7–.14 32.8N–.20 140E–2.0 43–3 4.7,4.5
ISC Event type ke. Moment Tensor Solution. NP1:φs261.02097°,δ39.50710°,λ47.82728°. NP2: φs130.59958°,δ61.86934°,λ118.96771°. Principal axes: T Plg61.5165°,Azm86.4971° ; N Plg25.2841°,Azm295.9717°; P Plg12.2499°,Azm200.0852°
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; Mrr0.94 Mθθ-1.18 Mφφ0.24 Mrθ-0.92 Mθφ1.35 Mφr-0.45 NP1:φs266.00000°,δ69.00000°,λ42.00000°. NP2:φs158.00000°,δ51.00000°,λ153.00000°. M0 2.00000×10^{15}
JMA Event type ke. E OFF HACHIJOJIMA ISLAND.
ISC IV 09 06 55 56.3–.50 30.85N–.05 138.86E–.07 400 3.6b 49 2-81
JMA IV 09 06 55 55.5–.16 31N–1.0 139E–2.0 420 3.4 **¶610652283**
IDC IV 09 06 55 55.5–.81 30.92N 138.89E 384–9 4.1,3.4b
ISC Event type ke.
JMA Event type ke. NEAR TORISHIMA IS .
IDC Error ellipse: s-maj=14.8km s-min=8.2km az=72.0.
ISC IV 09 18 42 03.4–.66 30.57N–.07 141.0E–.10 50 3.8b,3.5s 22 3-146
IDC IV 09 18 42 04.2–2.4 30.55N 140.77E 52–23 3.7,3.4s **¶610652319**
JMA IV 09 18 42 05.3–.31 31N–2.0 142E–4.0 119 3.2,3.4s
ISC Event type ke.
JMA Event type ke. NEAR TORISHIMA IS .
ISC IV 10 20 42 05.1–.42 29.44N–.03 142.10E–.05 22–2 4.9b,4.2s 766 2-151
BJI IV 10 20 41 56.9–.00 29.27N 142.56E 10 4.8b,4.6b **¶610526827**
IDC IV 10 20 42 01.7–.41 29.46N 142.14E 0 4.5b,4.4
MOS IV 10 20 42 02.8–.95 29.45N 142.00E 18 5.1b,4.4
JMA IV 10 20 42 04.3–.17 29.6N–.50 142E–3.0 48 5.0,4.7W
NIED IV 10 20 42 04.3 29.64N 142.47E 48 4.7W,4.7W
NEIC IV 10 20 42 06.3–1.3 29.55N–.06 142.1E–.10 23–4 4.9b,4.7W
GCMT IV 10 20 42 07.3–.30 29.54N–.03 142.27E–.02 24–0 4.9W,4.7W
ISC Event type ke.
JMA Event type ke. NEAR TORISHIMA IS .
NIED Moment Tensor Solution. s2 Moment tensor: Scale 10^{16}Nm; Mrr0.29 Mθθ-0.42 Mφφ0.13 Mrθ-1.07 Mθφ0.73 Mφr0.78 NP1:φs307.00000°,δ78.00000°,λ93.00000°. NP2:φs115.00000°,δ13.00000°,λ78.00000°. M0 1.46000×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s33,c40; s80,c102;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr2.72±.17 Mθθ-0.73±.10; Mφφ-2.00±.10; Mrθ-0.85±.14; Mθφ0.87±.06; Mφr1.07±.12; Best double couple: NP1:φs328.00000°,δ59.00000°,λ85.00000°. NP2:φs157.00000°,δ31.00000°,λ98.00000°. Principal axes: T 3.0690,Plg76.0000°,Azm224.0000°; N -0.3050,Plg4.0000°,Azm331.0000°; P -2.7710,Plg14.0000°,Azm62.0000° M0 2.92000×10^{16}
ISC IV 10 21 58 29.5–.78 32.94N–.06 140.13E–.08 128–6 3.6b 43 0-72
IDC IV 10 21 58 28.8–4.0 32.91N 140.13E 117–37 3.8,3.5b **¶610652413**
NEIC IV 10 21 58 28.9–1.5 32.94N–.08 140.2E–.10 126–5 4.0b,3.5b
JMA IV 10 21 58 30.2–.14 33.0N–.40 140E–2.0 120–1 3.3,3.5b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. E OFF HACHIJOJIMA ISLAND.
ISC IV 11 09 06 36.1–1.0 32.46N–.08 141.9E–.10 10 3.6b 24 2-80
NIED IV 11 09 06 34.9 32.48N 141.66E 0 3.9W **¶610619261**
JMA IV 11 09 06 34.9–.76 32N–2.0 142E–3.0 0 4.0
IDC IV 11 09 06 35.1–1.2 32.37N 141.63E 0 3.6b,3.5
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; Mrr2.72 Mθθ0.18 Mφφ-2.90 Mrθ1.17 Mθφ-1.35 Mφr6.83 NP1:φs10.00000°,δ78.00000°,λ85.00000°. NP2:φs215.00000°,δ13.00000°,λ115.00000°. M0 7.58000×10^{14}
JMA Event type ke. E OFF HACHIJOJIMA ISLAND.
IDC Error ellipse: s-maj=42.0km s-min=20.1km az=71.0.
ISC IV 14 15 45 01.9–.86 30.2N–.20 139.1E–.20 421 3.5b 12 4-120
IDC IV 14 15 45 02.0–.98 30.18N 139.18E 428–12 3.8,3.0b **¶610528139**
ISC Event type ke.
IDC Error ellipse: s-maj=35.4km s-min=11.9km az=66.0.
ISC IV 15 07 04 06.5–.43 32.03N–.04 141.90E–.05 10 4.4b,3.9s 160 2-149
IDC IV 15 07 04 04.5–.61 32.01N 141.95E 0 4.1,4.1b **¶610528313**
MOS IV 15 07 04 04.0–.99 32.01N 141.93E 9 4.6b,4.1b
NEIC IV 15 07 04 06.7–1.9 32.02N–.04 141.9E–.10 10–1 4.4b,4.1b
JMA IV 15 07 04 07.8–.35 32N–1.0 142E–1.0 18 4.0,4.1b
NIED IV 15 07 04 07.8 32.22N 141.78E 18 4.7W,4.1b
ISC Event type ke.
IDC Error ellipse: s-maj=17.8km s-min=14.6km az=79.0.
MOS Error ellipse: s-maj=14.3km s-min=6.0km az=112.7.
NEIC Event type se. Error ellipse: s-maj=15.4km s-min=6.7km az=74.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. E OFF HACHIJOJIMA ISLAND.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; Mrr-0.03 Mθθ0.22 Mφφ-0.19 Mrθ1.12 Mθφ-0.05 Mφr-0.38 NP1:φs289.00000°,δ87.00000°,λ-86.00000°. NP2:φs52.00000°,δ5.00000°,λ-147.00000°. M0 1.19000×10^{16}
ISC IV 15 07 08 53.9–.83 31.93N–.09 141.6E–.20 26 3.9b 10 5-93
IDC IV 15 07 08 50.1–.83 32.02N 141.63E 0 4.0L,3.7 **¶610652780**
ISC Event type ke.
IDC Error ellipse: s-maj=31.9km s-min=18.9km az=95.0.
ISC IV 15 07 13 30.7–.71 31.95N–.07 141.8E–.20 29 3.9b 15 5-93
IDC IV 15 07 13 26.6–.78 31.96N 141.74E 0 3.7,3.7b **¶610652781**
JMA IV 15 07 13 28.0–.44 32N–1.0 142E–2.0 40 3.8,3.7b
ISC Event type ke.
JMA Event type ke. E OFF HACHIJOJIMA ISLAND.
ISC IV 15 15 52 16.1–.79 32.02N–.06 142.0E–.10 29 3.5b 17 2-68
IDC IV 15 15 52 12.8–.99 31.97N 141.82E 0 3.5,3.4b **¶610652804**
JMA IV 15 15 52 15.7–.50 32N–2.0 142E–2.0 57 3.6,3.4b
ISC Event type ke.
JMA Event type ke. E OFF HACHIJOJIMA ISLAND.
ISC IV 16 09 42 43.3–.58 30.16N–.06 139.2E–.10 400 3.3b 37 3-82
JMA IV 16 09 42 42.9–.28 30N–1.0 139E–3.0 416–4 3.1 **¶610652860**
IDC IV 16 09 42 43.3–1.2 30.18N 139.03E 393–13 3.9,3.1b
ISC Event type ke.
JMA Event type ke. NEAR TORISHIMA IS .
IDC Error ellipse: s-maj=21.5km s-min=9.7km az=78.0.
ISC IV 17 09 40 12.8–.53 29.99N–.05 140.38E–.06 56–4 4.5b,3.6s 311 3-153
IDC IV 17 09 40 05.2–.58 30.00N 140.04E 0 4.2,4.2b **¶610529063**
JMA IV 17 09 40 08.5–.11 30N–1.0 141E–4.0 26 4.6,4.2b
NIED IV 17 09 40 08.5 30.10N 140.66E 26 4.3W,4.2b
MOS IV 17 09 40 12.6–1.4 30.09N 140.13E 67 4.7b,4.2b
NEIC IV 17 09 40 13.4–1.9 29.87N–.07 140.3E–.10 54–8 4.6b,4.2b
ISC Event type ke.
JMA Event type ke. NEAR TORISHIMA IS .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; Mrr1.08 Mθθ1.08 Mφφ-2.17 Mrθ-2.30 Mθφ-1.38 Mφr-1.21 NP1:φs236.00000°,δ79.00000°,λ126.00000°. NP2:φs342.00000°,δ37.00000°,λ19.00000°. M0 3.49000×10^{15}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 17 10 41 09.2–.51 30.15N–.05 140.9E–.10 50 4.3b,3.6s 61 3-146
IDC IV 17 10 41 00.9–.64 30.07N 140.09E 0 4.0,4.0b **¶610619271**
JMA IV 17 10 41 05.8–.18 30.3N–.90 142E–4.0 58 4.4,4.0b
NIED IV 17 10 41 05.8 30.34N 141.95E 58 4.3W,4.0b
NEIC IV 17 10 41 11.1–2.6 30.28N–.07 140.8E–.20 45–8 4.5b,4.0b
ISC Event type ke.
JMA Event type ke. NEAR TORISHIMA IS .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; Mrr1.60 Mθθ0.85 Mφφ-2.45 Mrθ-1.57 Mθφ0.31 Mφr-0.94 NP1:φs208.00000°,δ66.00000°,λ129.00000°. NP2:φs324.00000°,δ45.00000°,λ34.00000°. M0 2.83000×10^{15}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 17 10 51 02.4–.57 29.99N–.08 140.2E–.10 35 3.8b 24 3-95
IDC IV 17 10 50 57.5–.70 30.08N 140.13E 0 3.8,3.8b **¶610598392**
ISC Event type ke.
IDC Error ellipse: s-maj=21.1km s-min=17.1km az=88.0.
ISC IV 19 16 24 22.5–1.6 29.1N–.20 139.1E–.60 473 3.2b 10 16-81
IDC IV 19 16 24 20.3–4.8 29.11N 139.15E 448–52 3.8,2.9b **¶610653058**
ISC Event type ke.
IDC Error ellipse: s-maj=61.5km s-min=16.2km az=76.0.
ISC IV 25 07 35 51.7–.82 30.30N–.07 141.2E–.20 200 3.7b 22 3-75
IDC IV 25 07 35 50.0–2.6 30.08N 140.13E 146–39 3.9,3.4b **¶610649962**
JMA IV 25 07 35 50.0–.13 30N–1.0 141E–5.0 205 3.9,3.4b
ISC Event type ke.
JMA Event type ke. NEAR TORISHIMA IS .
ISC IV 27 05 59 05.2–1.0 30.05N–.08 139.1E–.20 421 19 3-54
IDC IV 27 05 59 05.0–1.4 29.87N 138.68E 404–43 3.9,3.1b **¶610650108**
JMA IV 27 05 59 04.8–.18 30N–1.0 139E–2.0 448 3.4,3.1b
ISC Event type ke.
JMA Event type ke. NEAR TORISHIMA IS .
IDC IV 27 14 55 55.8–1.3 31.63N 142.02E 0 3.6b,3.5
¶610650143
IDC Error ellipse: s-maj=48.6km s-min=23.8km az=86.0.
ISC IV 28 09 32 04.1–2.1 33.28N–.08 141.0E–.10 42–26 22 1-57
IDC IV 28 09 32 03.3–1.4 32.74N 138.98E 0 3.7b,3.5 **¶610650211**
JMA IV 28 09 32 03.4–.18 33.3N–.50 141.0E–1.0 50 3.2,3.5
ISC Event type ke.
JMA Event type ke. E OFF HACHIJOJIMA ISLAND.
JMA IV 29 23 13 18.0–.17 30N–1.0 141E–4.0 164 3.5
¶614808290
JMA Event type ke. NEAR TORISHIMA IS .
ISC IV 30 13 33 09.5–1.4 33.34N–.08 140.85E–.08 10 13 1-57
JMA IV 30 13 33 09.1–.26 33.2N–.80 141E–1.0 46 2.9 **¶610650416**
IDC IV 30 13 33 12.4–1.5 32.95N 139.26E 0 3.2b,3.0
ISC Event type ke.
JMA Event type ke. E OFF HACHIJOJIMA ISLAND.
IDC Error ellipse: s-maj=29.1km s-min=15.4km az=143.0.
ISC V 03 03 30 15.3–.51 33.00N–.06 138.12E–.05 341 3.9b 88 1-118
JMA V 03 03 30 12.7–.44 33N–2.0 138E–1.0 336–3 3.3 **¶610669466**
IDC V 03 03 30 14.3–.59 32.99N 138.12E 320–7 3.8,3.1b
NEIC V 03 03 30 14.1–1.8 32.98N–.09 138.15E–.10 323–4 4.4b,3.1b
ISC Event type ke.
JMA Event type ke. FAR S OFF TOKAI DISTRICT.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 05 18 52 42.9–.72 31.79N–.06 140.5E–.10 50 3.7b 27 1-94
IDC V 05 18 52 44.4–1.9 31.72N 140.28E 61–16 3.8,3.5b **¶610669476**
JMA V 05 18 52 45.0–.27 32.1N–.70 141E–1.0 28 3.2,3.5b
ISC Event type ke.
JMA Event type ke. E OFF HACHIJOJIMA ISLAND.
ISC V 06 12 44 25.6–.70 33.12N–.07 138.32E–.05 305–5 3.8b 63 1-95
JMA V 06 12 44 23.5–.48 33N–2.0 138E–2.0 318–4 3.6 **¶610669484**
IDC V 06 12 44 24.7–.60 33.01N 138.20E 297–5 4.2,3.5b
ISC Event type ke.
JMA Event type ke. FAR S OFF TOKAI DISTRICT.
IDC Error ellipse: s-maj=13.0km s-min=9.0km az=75.0.
ISC V 06 14 23 15.6–.31 33.20N–.03 140.77E–.04 51–2 5.0b,3.8s 919 1-154

BJI V 06 14 23 06.8–.00 32.94N 141.56E 50 4.6b,4.5b ¶610617751
MOS V 06 14 23 13.7–1.2 33.22N 140.78E 48 5.2b,4.5b
NIED V 06 14 23 16.4 33.27N 140.79E 57 4.9W,4.5b
JMA V 06 14 23 16.4–.12 33.3N–.30 140.8E–1.0 57–3 4.9,4.8W
NEIC V 06 14 23 17.4–2.2 33.16N–.06 140.75E–.09 64–4 4.9b,4.8W
IDC V 06 14 23 17.2–.80 33.21N 140.58E 59–6 4.8,4.5b
GCMT V 06 14 23 19.4–.40 33.21N–.02 140.78E–.03 57–1 5.0W,4.5b
BGR V 06 14 23 20.8 34.73N 140.97E 33 5.2b,4.0s
ISC Event type ke.
MOS Error ellipse: s-maj=7.6km s-min=3.7km az=113.3.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}1.58 $M_{\theta\theta}$0.61 $M_{\phi\phi}$-2.19 $M_{r\theta}$-1.07 $M_{\theta\phi}$0.34 $M_{\phi r}$1.37 NP1:ϕ_s330.00000°,δ68.00000°,λ66.00000°. NP2:ϕ_s200.00000°,δ32.00000°,λ135.00000°. $M_0$2.63000×10^{16}
JMA Event type fe. E OFF HACHIJOJIMA ISLAND.
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=8.8km az=78.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=11.5km s-min=7.7km az=90.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s33,c40; s73,c98;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.34±.19 $M_{\theta\theta}$1.42±.15; $M_{\phi\phi}$-3.76±.13; $M_{r\theta}$-0.98±.10; $M_{\theta\phi}$0.98±.13; $M_{\phi r}$0.51±.10; Best double couple: NP1:ϕ_s322.00000°,δ59.00000°,λ52.00000°. NP2:ϕ_s199.00000°,δ48.00000°,λ136.00000°. Principal axes: T 2.9620,Plg57.0000°,Azm178.0000°; N 1.0510,Plg32.0000°,Azm345.0000°; P -4.0130,Plg6.0000°,Azm79.0000° $M_0$3.48800×10^{16}
BGR Event type ke.
ISC V 06 20 39 22.7–1.7 33.20N–.05 140.81E–.10 45–19 4.3b 35 1-60
IDC V 06 20 39 20.0–1.3 32.66N 139.11E 0 3.8b,3.6 ¶610689685
NEIC V 06 20 39 21.3–1.4 33.04N–.06 140.88E–.08 31–8 4.5b,3.6
JMA V 06 20 39 22.2–.16 33.3N–.40 141E–2.0 59–4 3.1,3.6
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. E OFF HACHIJOJIMA ISLAND.
ISC V 07 15 32 08.6–.97 31.89N–.08 140.72E–.09 50 3.7b 29 1-94
IDC V 07 15 32 09.6–2.0 31.79N 140.45E 64–18 3.6,3.3b ¶610689733
JMA V 07 15 32 10.8–.26 32.2N–.80 140.7E–.80 11 3.8,3.3b
ISC Event type ke.
JMA Event type ke. E OFF HACHIJOJIMA ISLAND.
ISC V 07 18 00 01.8–1.1 31.8N–.10 140.7E–.20 10 3.6b 12 1-82
IDC V 07 18 00 02.7–1.6 31.50N 139.72E 0 3.5b,3.4 ¶610689744
JMA V 07 18 00 09.6–.25 32N–2.0 140.7E–.90 0 3.4,3.4
ISC Event type ke.
JMA Event type ke. E OFF HACHIJOJIMA ISLAND.
ISC V 09 19 12 26.2–.55 30.73N–.04 138.81E–.05 387–6 4.2b 318 2-90
IDC V 09 19 12 26.0–.53 30.73N 138.76E 384–6 4.6,3.9b ¶610667648
JMA V 09 19 12 25.1–.30 31N–1.0 139E–1.0 414–3 4.0,3.9b
NEIC V 09 19 12 26.9–2.1 30.72N–.06 138.84E–.09 393–6 4.2b,3.9b
ISC Event type ke.
JMA Event type ke. NEAR TORISHIMA IS .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC V 10 19 48 09.6–4.8 29.35N 141.72E 0 3.4,3.4b
¶610689986
IDC Error ellipse: s-maj=189.3km s-min=29.5km az=75.0.
ISC V 10 22 11 23.2–.41 30.37N–.05 137.57E–.07 496 3.8b 110 3-153
JMA V 10 22 11 19.7–.20 30N–2.0 138E–2.0 541 3.8 ¶610667649
NEIC V 10 22 11 22.6–1.2 30.3N–.10 137.5E–.10 479–4 4.0b
IDC V 10 22 11 23.4–.77 30.44N 137.45E 490–8 4.1,3.3b
ISC Event type ke.
JMA Event type ke. SHIKOKU BASIN .
NEIC Event type se. Error ellipse: s-maj=17.3km s-min=13.5km az=126.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=10.8km s-min=8.6km az=100.0.
ISC V 12 03 41 36.1–.93 31.95N–.08 140.59E–.10 73 3.8b 26 1-94
IDC V 12 03 41 35.9–2.4 31.78N 140.39E 69–20 3.7,3.4b ¶610690096
JMA V 12 03 41 36.9–.21 32.1N–.80 140.7E–.70 31 3.7,3.4b
ISC Event type ke.
JMA Event type ke. E OFF HACHIJOJIMA ISLAND.
ISC V 12 08 36 29.5–2.4 31.9N–.10 140.7E–.10 49–20 3.6b 28 1-82
IDC V 12 08 36 29.3–2.7 31.70N 140.41E 49–24 3.6,3.4b ¶610667669
NIED V 12 08 36 32.5 32.13N 140.71E 30 3.7W,3.4b
JMA V 12 08 36 32.5–.30 32N–1.0 141E–1.0 30 3.8,3.4b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-4.49 $M_{\theta\theta}$0.99 $M_{\phi\phi}$3.50 $M_{r\theta}$0.28 $M_{\theta\phi}$0.28 $M_{\phi r}$0.81 NP1:ϕ_s188.00000°,δ51.00000°,λ-88.00000°. NP2:ϕ_s5.00000°,δ39.00000°,λ-93.00000°. $M_0$4.10000×10^{14}
JMA Event type ke. E OFF HACHIJOJIMA ISLAND.
ISC V 17 05 02 34.7–.62 31.18N–.06 141.9E–.10 24 3.9b 30 3-93
IDC V 17 05 02 31.3–.72 31.08N 141.86E 0 3.8,3.8b ¶610667690
NIED V 17 05 02 33.8 31.29N 142.07E 45 4.1W,3.8b
JMA V 17 05 02 33.8–.24 31.3N–.80 142E–1.0 45 4.1,3.8b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.01 $M_{\theta\theta}$0.26 $M_{\phi\phi}$-0.25 $M_{r\theta}$1.36 $M_{\theta\phi}$-0.30 $M_{\phi r}$-0.44 NP1:ϕ_s286.00000°,δ86.00000°,λ-94.00000°. NP2:ϕ_s155.00000°,δ6.00000°,λ-41.00000°. $M_0$1.45000×10^{15}
JMA Event type ke. NEAR TORISHIMA IS .
ISC V 17 10 50 47.0–1.2 32.9N–.10 138.1E–.10 341 2.8b 15 1-56
JMA V 17 10 50 36.5–.22 32N–2.0 138E–2.0 424 3.0 ¶610690487
IDC V 17 10 50 46.3–1.9 32.90N 138.17E 339–34 3.2,2.6b
ISC Event type ke.
JMA Event type ke. FAR S OFF TOKAI DISTRICT.
IDC Error ellipse: s-maj=71.3km s-min=23.0km az=57.0.
ISC V 18 02 13 46.6–1.1 33.17N–.06 139.72E–.08 151–7 25 0-72
IDC V 18 02 13 46.5–.82 33.05N 139.76E 155–7 3.6,3.0b ¶610690539
JMA V 18 02 13 46.3–.38 33.2N–.70 140E–2.0 149–3 3.3,3.0b
ISC Event type ke.
JMA Event type ke. NEAR HACHIJOJIMA ISLAND .
ISC V 18 16 56 10.3–4.5 32.3N–.10 140.6E–.60 80–42 14 1-56
IDC V 18 16 56 04.5–1.4 31.74N 139.49E 0 3.1,3.1b ¶610690610
JMA V 18 16 56 11.3–.24 32.4N–.60 141E–1.0 53 3.1,3.1b
ISC Event type ke.
JMA Event type ke. E OFF HACHIJOJIMA ISLAND.
ISC V 20 03 13 56.9–.91 30.0N–.10 141.3E–.40 74 3.7b 7 3-95
IDC V 20 03 13 57.1–2.3 29.94N 141.32E 79–23 3.6,3.4b ¶610685004
ISC Event type ke.
IDC Error ellipse: s-maj=61.0km s-min=17.6km az=75.0.
ISC V 22 02 53 08.4–.84 30.95N–.06 139.9E–.10 200 2.8b 24 2-74
JMA V 22 02 53 07.7–.39 31N–2.0 140E–2.0 222–4 3.5 ¶610685120
IDC V 22 02 53 08.3–.84 31.01N 140.18E 200–13 3.7,2.9b
ISC Event type ke.
JMA Event type ke. NEAR TORISHIMA IS .
IDC Error ellipse: s-maj=59.4km s-min=9.4km az=72.0.
ISC V 25 15 40 43.8–.98 32.70N–.09 137.92E–.08 376 2.9b 28 1-56
JMA V 25 15 40 42.5–.31 33N–3.0 138E–2.0 380 3.3 ¶610685373
IDC V 25 15 40 43.9–1.5 32.60N 137.87E 369–22 3.4,2.7b
ISC Event type ke.
JMA Event type ke. FAR S OFF TOKAI DISTRICT.
IDC Error ellipse: s-maj=33.9km s-min=25.9km az=60.0.
JMA V 26 04 10 56.1–.13 29.8N–.90 141E–3.0 185 3.5
¶614832012
JMA Event type ke. NEAR TORISHIMA IS .
IDC V 28 02 10 38.8–4.0 31.97N 140.50E 0 3.5b,3.3
¶610685528
IDC Error ellipse: s-maj=205.8km s-min=20.4km az=76.0.
JMA V 28 03 40 52.0–.24 30N–1.0 142E–5.0 53 3.6
¶614834021
JMA Event type ke. NEAR TORISHIMA IS .
ISC V 28 05 15 18.8–.91 31.82N–.08 140.72E–.09 50 3.7b 27 1-94
IDC V 28 05 15 21.6–2.3 31.77N 140.40E 71–18 3.7,3.5b ¶610685541
JMA V 28 05 15 21.1–.57 32N–2.0 141E–2.0 11 3.8,3.5b
ISC Event type ke.
JMA Event type ke. E OFF HACHIJOJIMA ISLAND.
ISC V 28 16 03 23.8–.98 33.61N–.09 138.35E–.08 307–8 3.0b 31 1-57
JMA V 28 16 03 23.0–.18 34N–2.0 138E–2.0 314 3.1 ¶610685558
IDC V 28 16 03 23.1–1.2 33.61N 138.63E 309–27 3.4,2.9b
ISC Event type ke.
JMA Event type ke. FAR S OFF TOKAI DISTRICT.
IDC Error ellipse: s-maj=69.1km s-min=19.2km az=59.0.
ISC V 29 04 30 00.1–1.4 31.79N–.09 140.8E–.10 57 3.5b 21 1-82
JMA V 29 04 30 02.6–.21 32.1N–.70 140.8E–.70 20 3.8 ¶610685586
IDC V 29 04 30 04.9–4.3 31.64N 140.14E 85–48 3.5,3.2b
ISC Event type ke.
JMA Event type ke. E OFF HACHIJOJIMA ISLAND.
IDC Error ellipse: s-maj=121.2km s-min=28.1km az=71.0.
ISC V 30 08 59 11.6–1.3 30.91N–.07 143.1E–.10 30 3.6b 23 3-55
JMA V 30 08 59 09.4–.26 31.0N–1.0 143E–2.0 60 4.2 ¶610685709
IDC V 30 08 59 11.9–4.9 30.65N 142.12E 0 3.5,3.4b
ISC Event type ke.
JMA Event type ke. FAR E OFF IZU ISLANDS .
IDC Error ellipse: s-maj=188.8km s-min=27.6km az=72.0.
ISC V 31 08 37 46.8–1.2 33.0N–.10 138.30E–.08 300 20 1-53
JMA V 31 08 37 41.4–.31 33N–3.0 138E–2.0 349 3.1 ¶610685784
IDC V 31 08 37 47.2–3.1 32.99N 138.26E 310–86 3.4,2.8b
ISC Event type ke.
JMA Event type ke. FAR S OFF TOKAI DISTRICT.
IDC Error ellipse: s-maj=202.8km s-min=31.8km az=62.0.
ISC VI 01 01 57 15.8–.72 30.4N–.10 140.4E–.10 35 4.2b 35 6-150
NEIC VI 01 01 57 17.6–1.1 30.4N–.10 140.4E–.20 46–9 4.3b ¶610791027
IDC VI 01 01 57 17.1–3.7 30.44N 140.34E 46–34 3.8,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.0km s-min=16.7km az=98.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=31.8km s-min=18.8km az=108.0.
ISC VI 01 01 59 49.4–1.0 30.4N–.10 140.8E–.20 10 3.9b,3.5s 8 3-153
IDC VI 01 01 59 47.9–.97 30.34N 140.72E 0 3.8,3.8b ¶610791028
ISC Event type ke.
IDC Error ellipse: s-maj=39.3km s-min=21.0km az=92.0.
ISC VI 01 02 31 44.0–.99 30.3N–.10 140.4E–.30 35 3.8b 8 6-147
IDC VI 01 02 31 46.3–4.8 30.34N 140.38E 56–46 3.7,3.5b ¶610791029
ISC Event type ke.
IDC Error ellipse: s-maj=49.8km s-min=20.4km az=108.0.
ISC VI 02 00 55 20.5–.40 32.56N–.04 140.84E–.05 63–3 4.6b 356 1-154
BJI VI 02 00 55 11.0–.00 32.23N 141.95E 60 4.4b,4.3b ¶610659598
NIED VI 02 00 55 19.6 32.59N 140.90E 43 4.5W,4.3b
JMA VI 02 00 55 19.6–.15 32.6N–.40 140.9E–.70 43 4.6,4.5W
IDC VI 02 00 55 20.5–.50 32.54N 140.66E 63–3 4.2,4.0b
NEIC VI 02 00 55 21.6–1.3 32.51N–.06 140.75E–.09 63–5 4.6,4.6b
NEIC VI 02 00 55 21.6 32.52N 140.75E 63 4.6,4.6b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}6.51 $M_{\theta\theta}$0.41 $M_{\phi\phi}$-6.92 $M_{r\theta}$-1.65 $M_{\theta\phi}$0.31 $M_{\phi r}$-2.30 NP1:ϕ_s191.00000°,δ56.00000°,λ106.00000°. NP2:ϕ_s344.00000°,δ37.00000°,λ67.00000°. $M_0$7.30000×10^{15}
JMA Event type ke. E OFF HACHIJOJIMA ISLAND.
IDC Error ellipse: s-maj=11.2km s-min=6.9km az=36.0.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=7.7km az=57.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}0.74 $M_{\theta\theta}$1.73 $M_{\phi\phi}$-2.47 $M_{r\theta}$-5.61 $M_{\theta\phi}$-5.85 $M_{\phi r}$-0.05 NP1:ϕ_s353.27000°,δ48.70000°,λ6.62000°. NP2:ϕ_s258.89000°,δ85.03000°,λ138.51000°. Principal axes: T 8.7100,Plg32.0000°,Azm207.0000°; N -0.6571,Plg48.0000°,Azm73.0000°; P -8.0529,Plg24.0000°,Azm313.0000° $M_0$8.40000×10^{15}
NEIC Event type se.
ISC VI 02 10 15 55.6–.45 31.46N–.04 140.39E–.05 99–3 4.5b 528 1-150
BJI VI 02 10 15 50.4–.00 31.26N 141.03E 112 4.7b,4.4b ¶610659613
IDC VI 02 10 15 54.8–.54 31.44N 140.21E 92–4 4.3,4.0b
NEIC VI 02 10 15 54.9–1.4 31.51N–.05 140.24E–.08 83–3 4.6b,4.0b
JMA VI 02 10 15 55.7–.29 32N–1.0 141E–3.0 99–3 4.2,4.0b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. NEAR TORISHIMA IS .
ISC VI 03 07 29 45.4–.60 32.47N–.06 137.51E–.04 395–5 4.1b 408 1-152
BJI VI 03 07 29 43.8–.00 32.41N 137.60E 408 4.5b,4.5b ¶610660639
JMA VI 03 07 29 44.0–.31 32N–2.0 138E–1.0 407–2 4.0,4.5b
NIED VI 03 07 29 44.0 32.46N 137.60E 407 4.3W,4.5b
IDC VI 03 07 29 44.7–.60 32.43N 137.49E 387–6 4.5,3.8b
NEIC VI 03 07 29 45.3–1.3 32.38N–.08 137.54E–.07 389–7 4.1b,3.8b
ISC Event type ke.
JMA Event type ke. FAR S OFF TOKAI DISTRICT.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.67 $M_{\theta\theta}$0.77 $M_{\phi\phi}$-0.09 $M_{r\theta}$0.62 $M_{\theta\phi}$-0.90 $M_{\phi r}$-2.68 NP1:ϕ_s343.00000°,δ84.00000°,λ-70.00000°. NP2:ϕ_s89.00000°,δ21.00000°,λ-162.00000°. $M_0$2.98000×10^{15}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 04 07 51 40.9–1.6 32.48N–.08 142.3E–.10 35 20 2-53
JMA VI 04 07 51 38.7–.40 33N–1.0 142E–2.0 0 3.7 ¶610791220
IDC VI 04 07 51 41.0–4.3 31.96N 140.87E 0 3.5,3.5b
ISC Event type ke.
JMA Event type ke. FAR E OFF IZU ISLANDS .
IDC Error ellipse: s-maj=156.1km s-min=28.1km az=73.0.
ISC VI 08 07 36 11.1–.91 29.10N–.07 139.4E–.20 500 26 3-53
JMA VI 08 07 36 09.7–.25 29N–2.0 140E–2.0 510 3.7 ¶610791449
IDC VI 08 07 36 11.2–1.0 28.97N 139.16E 480–20 4.3,3.3b
ISC Event type ke.
JMA Event type ke. NEAR TORISHIMA IS .
IDC Error ellipse: s-maj=45.4km s-min=14.4km az=74.0.
JMA VI 08 17 05 21.4–.54 32N–3.0 142E–2.0 0 3.6
¶614843712
JMA Event type ke. FAR E OFF IZU ISLANDS .
ISC VI 10 14 01 56.3–1.0 33.35N–.06 139.95E–.08 147–7 3.4b 27 0-57
IDC VI 10 14 01 56.6–.71 33.06N 139.05E 125–14 3.5,3.2b ¶610791594
JMA VI 10 14 01 57.2–.15 33.4N–.40 140.0E–.80 139–1 3.4,3.2b
ISC Event type ke.
JMA Event type ke. E OFF HACHIJOJIMA ISLAND.
ISC VI 11 13 42 46.8–2.2 30.9N–.20 141.0E–.70 35 3.7b 8 2-79
IDC VI 11 13 42 40.8–2.7 30.88N 141.34E 0 3.7b,3.6 ¶610791653
ISC Event type ke.
IDC Error ellipse: s-maj=134.8km s-min=19.1km az=76.0.
ISC VI 11 21 46 44.0–.75 32.79N–.08 138.27E–.07 300 3.4b 38 1-80
IDC VI 11 21 46 44.4–.69 32.79N 138.33E 307–8 3.8,3.2b ¶610791680
JMA VI 11 21 46 45.0–.27 33N–3.0 138E–2.0 314 3.6,3.2b
ISC Event type ke.
JMA Event type ke. FAR S OFF TOKAI DISTRICT.
ISC VI 11 22 24 07.6–.85 33.90N–.04 139.95E–.07 104–6 3.4b 32 0-93
IDC VI 11 22 24 07.9–.81 33.80N 139.86E 111–5 3.4,3.1b ¶610791682
JMA VI 11 22 24 08.0–.16 33.9N–.40 140.0E–.70 99–1 3.2,3.1b
ISC Event type ke.
JMA Event type ke. FAR S OFF BOSO PENINSULA.
ISC VI 16 14 19 00.3–.62 29.45N–.07 139.7E–.10 400 3.3b 24 3-83
JMA VI 16 14 19 00.1–.16 30N–1.0 140E–3.0 421 3.4 ¶610792006
IDC VI 16 14 19 00.7–1.2 29.36N 139.40E 394–15 3.8,3.0b
ISC Event type ke.
JMA Event type ke. NEAR TORISHIMA IS .
IDC Error ellipse: s-maj=27.6km s-min=13.4km az=71.0.
ISC VI 16 18 03 07.0–.82 30.28N–.07 138.9E–.10 411 3.1b 30 3-74
JMA VI 16 18 03 04.0–.23 30N–2.0 139E–2.0 481 3.6 ¶610792019
IDC VI 16 18 03 07.5–.84 30.36N 138.95E 424–15 3.7,2.8b
ISC Event type ke.
JMA Event type ke. NEAR TORISHIMA IS .

IDC Error ellipse: s-maj=36.7km s-min=14.7km az=72.0.
JMA VI 17 14 44 06.6–.55 33N–2.0 142E–2.0 84 2.8
¶610792064
JMA Event type ke. E OFF HACHIJOJIMA ISLAND.
IDC VI 17 14 44 55.3–4.7 30.73N 141.36E 0 3.8b,3.6
¶617233567
IDC Error ellipse: s-maj=239.2km s-min=34.0km az=78.0.
ISC VI 18 19 33 35.3–.68 33.83N–.07 138.42E–.06 275–5 3.5b 57 1-94
JMA VI 18 19 33 35.3–.39 34N–2.0 139E–1.0 288–3 3.7 ¶610764491
NIED VI 18 19 33 33.5 33.82N 138.54E 288 3.8W
IDC VI 18 19 33 34.8–.50 33.76N 138.37E 266–5 3.9,3.4b
ISC Event type ke.
JMA Event type ke. NEAR NIIJIMA ISLAND .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-1.65 $M_{\theta\theta}$1.18 $M_{\phi\phi}$0.46 $M_{r\theta}$1.93 $M_{\theta\phi}$-0.21 $M_{\phi r}$-5.15 NP1:ϕ_s338.00000°,δ84.00000°,λ-86.00000°. NP2:ϕ_s123.00000°,δ7.00000°,λ-125.00000°. $M_0$5.63000×10^{14}
IDC Error ellipse: s-maj=15.7km s-min=9.0km az=69.0.
ISC VI 19 06 13 58.1–1.7 31.0N–.10 141.9E–.30 50 3.6b 8 4-55
IDC VI 19 06 13 55.6–3.3 30.65N 140.63E 0 3.5b,3.4 ¶610792169
JMA VI 19 06 14 00.3–.39 31N–2.0 141E–3.0 96 3.5b,3.4
ISC Event type ke.
JMA Event type ke. NEAR TORISHIMA IS .
ISC VI 20 19 08 14.6–.55 29.22N–.06 139.46E–.09 423 3.3b 60 3-81
IDC VI 20 19 08 14.0–.72 29.17N 139.39E 423–10 4.0,3.1b ¶610789173
JMA VI 20 19 08 14.0–.26 29.2N–.90 140E–2.0 454–3 4.3,3.1b
ISC Event type ke.
JMA Event type ke. NEAR TORISHIMA IS .
ISC VI 21 22 39 42.1–.44 30.20N–.05 140.69E–.09 35 4.4b,3.0s 95 2-150
IDC VI 21 22 39 37.3–.61 30.17N 140.51E 0 4.0,4.0b ¶610760979
JMA VI 21 22 39 40.3–.13 30N–1.0 141E–3.0 33 4.7,4.0b
NEIC VI 21 22 39 40.6–2.5 30.19N–.06 140.7E–.10 17–4 4.5b,4.0b
ISC Event type ke.
JMA Event type ke. NEAR TORISHIMA IS .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 22 09 31 22.4–.87 32.3N–.10 141.3E–.10 31 3.6b,3.2s 13 2-149
IDC VI 22 09 31 17.8–.81 32.36N 141.42E 0 3.6,3.6b ¶610789265
ISC Event type ke.
IDC Error ellipse: s-maj=26.0km s-min=18.5km az=67.0.
ISC VI 22 10 30 41.2–.60 29.36N–.07 138.97E–.09 500 3.5b 50 4-81
JMA VI 22 10 30 39.0–.20 29N–1.0 139E–2.0 516 3.7 ¶610760985
IDC VI 22 10 30 40.3–1.1 29.29N 138.84E 479–14 4.0,3.1b
ISC Event type ke.
JMA Event type ke. NEAR TORISHIMA IS .
IDC Error ellipse: s-maj=15.7km s-min=9.4km az=93.0.
ISC VI 22 22 04 33.4–.34 32.45N–.03 141.50E–.04 29–1 4.9b,4.2s 833 1-163
BJI VI 22 22 04 29.0–.00 32.45N 141.91E 40 4.7b,4.6b ¶610693788
JMA VI 22 22 04 31.6–.42 33N–1.0 141E–2.0 22 4.9W,4.7
NIED VI 22 22 04 31.6 32.53N 141.44E 22 4.7W,4.7
MOS VI 22 22 04 32.3–.86 32.37N 141.32E 32 5.1b,4.3s
IDC VI 22 22 04 32.9–2.6 32.41N 141.33E 24–16 4.6,4.4b
NEIC VI 22 22 04 35.4–1.2 32.47N–.06 141.44E–.08 35–6 4.9b,4.4b
ISC Event type ke.
JMA Event type ke. E OFF HACHIJOJIMA ISLAND.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.80 $M_{\theta\theta}$0.95 $M_{\phi\phi}$-0.15 $M_{r\theta}$0.34 $M_{\theta\phi}$-0.27 $M_{\phi r}$0.99 NP1:ϕ_s249.00000°,δ61.00000°,λ-133.00000°. NP2:ϕ_s131.00000°,δ50.00000°,λ-39.00000°. $M_0$1.31000×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 23 06 48 34.2–.77 31.79N–.08 141.20E–.08 57 3.8b 35 1-149
JMA VI 23 06 48 32.7–.26 31.9N–.90 141E–1.0 22 4.1 ¶610789318
IDC VI 23 06 48 34.0–1.9 31.64N 140.89E 56–17 3.7,3.5b
ISC Event type ke.
JMA Event type ke. NEAR TORISHIMA IS .
IDC Error ellipse: s-maj=23.6km s-min=12.8km az=73.0.
ISC VI 24 08 44 37.5–.96 29.88N–.09 139.2E–.20 400 3.4b 13 4-74
JMA VI 24 08 44 37.1–.15 30N–1.0 140E–2.0 432 3.2 ¶610789382
IDC VI 24 08 44 38.7–2.7 29.91N 138.73E 404–34 3.7,3.0b
ISC Event type ke.
JMA Event type ke. NEAR TORISHIMA IS .
IDC Error ellipse: s-maj=104.7km s-min=20.1km az=81.0.
IDC VI 24 13 50 04.2–3.5 31.98N 140.48E 0 3.4b,3.3
¶610789389
IDC Error ellipse: s-maj=145.8km s-min=23.5km az=73.0.
IDC VI 25 02 33 41.9–4.0 32.00N 140.65E 0 3.4b,3.3
¶610789417
IDC Error ellipse: s-maj=153.9km s-min=30.2km az=72.0.
ISC VI 26 09 47 36.9–1.1 32.89N–.05 140.41E–.07 84–8 3.4b 36 1-57
JMA VI 26 09 47 37.9–.09 33.0N–.20 140E–1.0 74–1 3.3 ¶610789501
IDC VI 26 09 47 39.0–2.1 32.79N 140.16E 100–21 3.3,3.0b
ISC Event type ke.
JMA Event type ke. E OFF HACHIJOJIMA ISLAND.
IDC Error ellipse: s-maj=54.4km s-min=15.3km az=69.0.
IDC VI 26 10 30 42.8–12 31.46N 139.70E 0 3.2,3.2b
¶610789505
IDC Error ellipse: s-maj=462.7km s-min=35.3km az=65.0.
ISC VI 27 15 12 22.4–.49 32.02N–.06 138.07E–.05 380 3.8b 90 2-80
JMA VI 27 15 12 22.5–.48 32N–2.0 138E–2.0 399–4 3.2 ¶610789579
IDC VI 27 15 12 23.7–1.5 32.12N 138.03E 382–12 3.9,3.2b
NEIC VI 27 15 12 23.2–2.0 32.04N–.08 138.1E–.10 391–8 4.2b,3.2b
ISC Event type ke.
JMA Event type ke. FAR S OFF TOKAI DISTRICT.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 27 16 25 57.7–.61 29.92N–.06 139.11E–.10 421 3.6b 44 3-82
JMA VI 27 16 25 55.3–.19 30N–1.0 139E–2.0 439 3.7 ¶610789582
IDC VI 27 16 25 56.9–.84 29.90N 138.95E 404–9 4.1,3.3b
ISC Event type ke.
JMA Event type ke. NEAR TORISHIMA IS .
IDC Error ellipse: s-maj=18.8km s-min=9.2km az=81.0.
ISC VI 29 00 38 43.6–1.0 32.86N–.07 140.2E–.10 147–7 3.2b 20 0-147
IDC VI 29 00 38 26.1–1.4 33.04N 140.78E 0 3.3,3.3b ¶610789681
JMA VI 29 00 38 45.2–.16 32.9N–.40 140E–2.0 137–1 3.1,3.3b
ISC Event type ke.
JMA Event type ke. E OFF HACHIJOJIMA ISLAND.

(212) Bonin Islands region.
ISC I 01 05 36 54.5–.84 27.4N–.20 140.6E–.20 300 3.1b 11 1-83
IDC I 01 05 36 55.6–1.4 27.41N 140.67E 316–15 3.8,3.1b ¶610236357
ISC Event type ke.
IDC Error ellipse: s-maj=37.8km s-min=17.0km az=91.0.
ISC I 05 09 28 20.0–.70 27.11N–.09 140.3E–.10 443 3.4b 21 2-83
IDC I 05 09 28 21.6–1.1 26.93N 140.25E 483–13 3.8,2.9b ¶610236766
JMA I 05 09 28 22.5–.27 27N–1.0 140E–2.0 443–3 3.9,2.9b
ISC Event type ke.
JMA Event type ke. W OFF OGASAWARA .
JMA I 05 18 51 00.7–.08 26.7N–.30 143.4E–.40 77 4.2
¶614096866
JMA Event type ke. NEAR CHICHIJIMA ISLAND .
ISC I 06 04 56 59.2–.52 28.63N–.06 139.82E–.10 450 3.7b 57 3-89
JMA I 06 04 56 57.5–.13 29N–1.0 140E–2.0 448 4.0 ¶610010012
IDC I 06 04 56 59.4–.89 28.60N 139.60E 444–9 4.2,3.3b
ISC Event type ke.
JMA Event type ke. W OFF OGASAWARA .
IDC Error ellipse: s-maj=14.1km s-min=9.8km az=82.0.
ISC I 09 08 11 42.3–.84 27.8N–.10 139.9E–.10 500 3.4b 20 2-82
IDC I 09 08 11 43.4–1.9 27.75N 139.79E 516–22 3.9,3.1b ¶610237009
ISC Event type ke.
IDC Error ellipse: s-maj=20.9km s-min=10.9km az=90.0.
ISC I 10 16 21 56.0–.31 27.56N–.03 140.05E–.04 474–2 4.8b 1229 2-164
MOS I 10 16 21 54.8–.77 27.54N 139.99E 476 5.0b ¶610051620
JMA I 10 16 21 55.0–.21 27.7N–.90 141E–2.0 490–2 5.5,4.7
BJI I 10 16 21 55.1–.00 27.57N 139.98E 478 5.3b,5.2b
NEIC I 10 16 21 55.6–1.4 27.60N–.08 140.0E–.10 462–5 4.8b,5.2b
IDC I 10 16 21 56.3–.35 27.57N 140.02E 476–3 5.1,4.2b
ISC Event type ke.
MOS Error ellipse: s-maj=7.6km s-min=4.2km az=113.7.
JMA Event type fe. W OFF OGASAWARA .
NEIC Event type se. Error ellipse: s-maj=13.3km s-min=12.1km az=97.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=9.0km s-min=6.0km az=89.0.
ISC I 11 14 03 31.8–.78 26.9N–.10 140.9E–.20 500 3.5b 31 1-83
JMA I 11 14 03 32.9–.16 27N–2.0 141E–4.0 470 3.8 ¶610237154
IDC I 11 14 03 32.5–1.1 26.98N 140.47E 490–13 3.9,3.1b
ISC Event type ke.
JMA Event type ke. W OFF OGASAWARA .
IDC Error ellipse: s-maj=21.9km s-min=12.0km az=85.0.
ISC I 15 18 24 58.9–.91 26.3N–.10 141.7E–.10 35 3.5b 16 1-78
IDC I 15 18 24 59.9–2.0 26.40N 141.63E 42–21 3.7,3.5b ¶610237452
JMA I 15 18 25 00.9–.14 26.5N–.40 142.6E–.50 28 3.7,3.5b
ISC Event type ke.
JMA Event type ke. NEAR CHICHIJIMA ISLAND .
ISC I 17 01 04 48.5–.93 27.4N–.20 140.1E–.20 350 3.2b 10 2-83
IDC I 17 01 04 49.9–1.5 27.43N 140.39E 375–23 3.7,2.9b ¶610237554
ISC Event type ke.
IDC Error ellipse: s-maj=63.7km s-min=18.2km az=79.0.
ISC I 17 11 46 26.4–.59 27.78N–.05 142.7E–.10 10 4.2b 53 1-149
NEIC I 17 11 46 26.9–1.6 27.70N–.02 142.65E–.08 10–1 4.5b ¶610237595
IDC I 17 11 46 32.0–1.2 27.68N 142.63E 58–11 3.9,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=3.0km az=272.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=23.4km s-min=13.4km az=85.0.
ISC I 20 14 18 57.6–.58 27.05N–.06 141.61E–.09 50 4.2b 51 1-124
NEIC I 20 14 18 56.9–1.1 27.1N–.10 141.6E–.10 38–0 4.4b ¶610180897
IDC I 20 14 18 58.9–1.3 27.07N 141.63E 62–12 4.0,3.8b
JMA I 20 14 18 59.3–.12 27.1N–.40 142E–2.0 60 4.2,3.8b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. NEAR CHICHIJIMA ISLAND .
IDC I 21 23 51 00.4–17 26.00N 142.08E 0 4.0,4.0b
¶610235036
IDC Error ellipse: s-maj=526.5km s-min=112.0km az=4.0.
ISC I 26 07 28 15.9–.98 26.4N–.20 140.8E–.20 300 3.5b 12 1-82
IDC I 26 07 28 16.8–1.2 26.38N 140.71E 512–15 3.9,3.1b ¶610235369
ISC Event type ke.
IDC Error ellipse: s-maj=31.5km s-min=19.4km az=66.0.
ISC I 27 16 52 08.2–.46 28.42N–.05 139.72E–.08 448 4.0b 113 3-122
JMA I 27 16 52 09.4–.36 29N–1.0 140E–2.0 470–4 4.0 ¶610235488
NEIC I 27 16 52 09.2–1.1 28.40N–.08 139.7E–.10 457–9 4.1b
IDC I 27 16 52 10.1–.92 28.45N 139.67E 469–10 4.0,3.1b
ISC Event type ke.
JMA Event type ke. W OFF OGASAWARA .
NEIC Event type se. Error ellipse: s-maj=16.8km s-min=10.5km az=64.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=15.6km s-min=9.9km az=85.0.
IDC I 29 21 57 48.8–1.6 28.27N 140.98E 0 3.3,3.3b
¶610235673
IDC Error ellipse: s-maj=59.3km s-min=20.6km az=54.0.
ISC I 31 12 24 28.6–1.2 26.9N–.10 143.9E–.10 35 3.4b 7 2-57
IDC I 31 12 24 23.9–1.4 26.75N 143.82E 0 3.4,3.3b ¶610235820
ISC Event type ke.
IDC Error ellipse: s-maj=29.5km s-min=23.4km az=55.0.
IDC II 07 05 40 32.1–1.4 27.06N 140.37E 0 3.6,3.6b
¶610415015
IDC Error ellipse: s-maj=85.5km s-min=32.4km az=93.0.
ISC II 08 12 52 02.7–.35 27.51N–.05 139.80E–.06 500 4.2b 379 2-152
NEIC II 08 12 52 03.0–1.6 27.49N–.10 139.8E–.10 495–7 4.2b ¶610205568
JMA II 08 12 52 02.9–.12 28N–1.0 140E–1.0 492 4.2
IDC II 08 12 52 02.5–.44 27.50N 139.82E 502–5 4.6,3.7b
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=16.8km s-min=13.4km az=121.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. W OFF OGASAWARA .
IDC Error ellipse: s-maj=9.3km s-min=7.4km az=82.0.
ISC II 12 16 18 09.6–.44 28.82N–.05 143.12E–.07 35 4.5b,3.0s 124 2-150
IDC II 12 16 18 04.7–.56 28.79N 143.32E 0 4.0,4.0b ¶610208520
NEIC II 12 16 18 06.0–1.7 28.73N–.05 143.3E–.10 10–1 4.6b,4.0b
JMA II 12 16 18 09.1–.30 28.8N–.70 143E–5.0 61 4.3,4.0b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. NEAR CHICHIJIMA ISLAND .
ISC II 13 08 03 05.4–.60 28.47N–.08 140.1E–.10 300 3.5b 35 2-84
JMA II 13 08 03 04.9–.15 29N–1.0 141E–3.0 338 4.0 ¶610415434
IDC II 13 08 03 06.3–1.2 28.50N 139.92E 311–12 3.9,3.2b
ISC Event type ke.
JMA Event type ke. W OFF OGASAWARA .
IDC Error ellipse: s-maj=23.4km s-min=11.2km az=90.0.
IDC II 13 08 48 39.7–18 26.94N 141.85E 0 3.6,3.6b
¶610415438
IDC Error ellipse: s-maj=509.3km s-min=47.2km az=174.0.
ISC II 15 23 59 51.7–1.1 26.3N–.10 141.7E–.10 35 3.7b 10 1-78
IDC II 15 23 59 54.3–2.7 26.48N 141.84E 62–44 3.7,3.4b ¶610415595
JMA II 15 23 59 54.0–.13 26.5N–.40 141.7E–.50 24 3.4,3.4b
ISC Event type ke.
JMA Event type ke. NEAR CHICHIJIMA ISLAND .
ISC II 16 03 34 21.0–.71 26.31N–.07 142.0E–.10 40 3.7b 26 0-150
IDC II 16 03 34 21.9–1.4 26.43N 141.86E 47–12 3.8,3.6b ¶610243806
JMA II 16 03 34 22.4–.05 26.5N–.60 142E–4.0 42–4 4.1,4.1
ISC Event type ke.
JMA Event type fe. NEAR CHICHIJIMA ISLAND .
ISC II 18 10 48 02.5–.88 28.20N–.05 142.7E–.20 25 3.9b 19 1-95
JMA II 18 10 48 02.1–.06 28.2N–.30 142E–2.0 61–2 3.8 ¶610415754
IDC II 18 10 48 03.7–5.7 28.11N 142.91E 33–43 3.8,3.6b
ISC Event type ke.
JMA Event type ke. NEAR CHICHIJIMA ISLAND .
IDC Error ellipse: s-maj=37.8km s-min=17.4km az=90.0.
ISC II 25 14 20 45.3–1.1 27.4N–.10 140.6E–.20 400 3.4b 9 1-77
IDC II 25 14 20 43.6–1.1 27.32N 140.30E 371–11 3.8,2.9b ¶610385004
ISC Event type ke.
IDC Error ellipse: s-maj=37.8km s-min=15.9km az=92.0.
ISC II 26 23 17 08.0–.46 26.86N–.04 144.09E–.04 19–1 5.1b,3.9s 970 2-164
IDC II 26 23 17 04.8–.42 26.83N 144.12E 0 4.8,4.8b ¶611831890
BJI II 26 23 17 04.4–.00 26.83N 143.92E 4 5.0b,4.8b
MOS II 26 23 17 06.4–.89 26.85N 144.03E 19 5.3b,4.8b
JMA II 26 23 17 07.2–.19 27N–1.0 144.1E–.80 44 5.3,4.9W
NEIC II 26 23 17 08.1–1.5 26.91N–.07 144.05E–.07 15–2 5.2b,4.9W
GCMT II 26 23 17 10.1–.20 26.94N–.01 143.94E–.03 17–0 4.9W,4.9W
ISC Event type ke.
JMA Event type fe. FAR E OFF OGASAWARA .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s38,c39; s111,c143;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.62±.13 $M_{\theta\theta}$2.32±.09; $M_{\phi\phi}$0.30±.07; $M_{r\theta}$0.27±.18; $M_{\theta\phi}$-0.41±.05; $M_{\phi r}$1.11±.26; Best double couple: NP1:ϕ_s262.00000°,δ49.00000°,λ-116.00000°. NP2:ϕ_s119.00000°,δ48.00000°,λ-63.00000°. Principal axes: T 2.4000,Plg1.0000°

,Azm11.0000°; N 0.6220,Plg19.0000°,Azm280.0000°; P -3.0220,Plg71.0000°,Azm103.0000° $M_0$2.71100$\times10^{16}$
ISC II 28 00 11 21.8–.76 27.4N–.10 140.3E–.10 450 3.5b 14 2-151
IDC II 28 00 11 21.5–.61 27.39N 140.19E 447–8 4.0,3.1b **¶610385162**
ISC Event type ke.
IDC Error ellipse: s-maj=21.2km s-min=16.1km az=76.0.
ISC II 28 04 12 05.4–.66 28.80N–.09 141.5E–.20 56 3.6b 14 2-95
IDC II 28 04 12 06.3–1.8 28.77N 141.55E 67–19 4.1s,3.7 **¶610385169**
ISC Event type ke.
IDC Error ellipse: s-maj=29.8km s-min=15.0km az=74.0.
ISC II 28 17 41 22.6–.48 28.74N–.04 143.11E–.06 35–1 4.7b 276 2-150
BJI II 28 17 41 16.7–.00 28.60N 143.10E 8 4.8b,4.5b **¶610241889**
IDC II 28 17 41 17.5–.54 28.74N 143.23E 0 4.0,4.0b
MOS II 28 17 41 20.4–1.3 28.82N 143.26E 33 4.7b,4.0b
JMA II 28 17 41 21.9–.16 28.8N–.40 143E–3.0 40 4.3,4.0b
NIED II 28 17 41 21.9 28.82N 142.52E 40 4.2W,4.0b
NEIC II 28 17 41 22.6–1.6 28.72N–.05 143.2E–.10 31–4 4.9b,4.0b
ISC Event type ke.
JMA Event type ke. NEAR CHICHIJIMA ISLAND .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-1.94 $M_{\theta\theta}$0.32 $M_{\phi\phi}$1.62 $M_{r\theta}$-0.31 $M_{\theta\phi}$-0.65 $M_{\phi r}$1.56 NP1:ϕ_s165.00000°,δ65.00000°,λ-84.00000°. NP2:ϕ_s331.00000°,δ26.00000°,λ-102.00000°. $M_0$2.49000$\times10^{15}$
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 28 17 56 24.7–.83 28.77N–.06 143.3E–.10 35 4.1b 35 2-77
IDC II 28 17 56 18.9–1.1 28.76N 143.76E 0 3.8b,3.7 **¶610385216**
NEIC II 28 17 56 25.4–2.3 28.68N–.07 143.2E–.10 32–5 4.4b,3.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 02 14 11 22.9–.91 27.64N–.09 141.8E–.30 150 3.5b 16 1-77
JMA III 02 14 11 23.4–.15 27.5N–1.0 141E–2.0 138 3.8 **¶610545392**
IDC III 02 14 11 24.0–4.0 27.53N 141.44E 151–82 3.6,3.2b
ISC Event type ke.
JMA Event type ke. NEAR CHICHIJIMA ISLAND .
IDC Error ellipse: s-maj=366.1km s-min=28.5km az=86.0.
ISC III 02 20 55 11.9–.80 27.21N–.09 140.3E–.20 450 3.4b 27 2-83
IDC III 02 20 55 12.0–.71 27.14N 140.27E 452–10 3.9,3.1b **¶610476269**
JMA III 02 20 55 13.7–.38 27N–2.0 140E–5.0 421 3.9,3.1b
ISC Event type ke.
JMA Event type ke. W OFF OGASAWARA .
ISC III 03 10 32 14.0–.95 28.82N–.05 143.0E–.20 41 3.5b 24 2-70
IDC III 03 10 32 08.4–1.0 28.70N 143.28E 0 3.5,3.5b **¶610545450**
JMA III 03 10 32 12.1–.13 28.9N–.30 143E–2.0 45 4.1,3.5b
ISC Event type ke.
JMA Event type ke. NEAR CHICHIJIMA ISLAND .
ISC III 03 21 06 52.5–.54 28.38N–.06 139.63E–.09 400 3.8b 46 3-96
JMA III 03 21 06 52.8–.23 29N–2.0 140E–5.0 435 3.3 **¶610545476**
NEIC III 03 21 06 53.2–2.9 28.30N–.10 139.7E–.20 410–8 4.5b
IDC III 03 21 06 54.1–1.4 28.42N 139.72E 426–22 3.9,3.1b
ISC Event type ke.
JMA Event type ke. W OFF OGASAWARA .
NEIC Event type se. Error ellipse: s-maj=20.0km s-min=13.6km az=73.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=51.4km s-min=12.9km az=77.0.
ISC III 05 19 40 38.5–.99 27.5N–.20 140.9E–.30 500 3.2b 8 1-77
IDC III 05 19 40 38.3–.74 27.37N 140.64E 485–19 3.7,2.8b **¶610545605**
ISC Event type ke.
IDC Error ellipse: s-maj=71.4km s-min=19.9km az=76.0.
ISC III 06 15 18 48.9–.79 28.82N–.06 143.1E–.10 41 3.5b 20 2-94
IDC III 06 15 18 43.3–.93 28.81N 143.35E 0 3.6,3.5b **¶610545669**
JMA III 06 15 18 47.5–.22 28.9N–.60 143E–4.0 49 3.6,3.5b
ISC Event type ke.
JMA Event type ke. NEAR CHICHIJIMA ISLAND .
ISC III 06 15 25 30.0–.88 28.81N–.05 143.1E–.10 41 3.5b 22 2-77
IDC III 06 15 25 24.3–.98 28.85N 143.23E 0 3.7,3.6b **¶610545671**
JMA III 06 15 25 27.6–.18 28.8N–.60 143E–2.0 53 3.7,3.6b
ISC Event type ke.
JMA Event type ke. NEAR CHICHIJIMA ISLAND .
JMA III 06 20 30 02.0–.20 27N–1.0 141E–1.0 143 3.8
¶614151191
JMA Event type ke. W OFF OGASAWARA .
ISC III 07 11 24 04.2–1.1 28.87N–.08 142.2E–.30 30 3.5b 10 2-71
IDC III 07 11 24 06.8–2.4 28.89N 142.28E 55–22 3.5,3.1b **¶610545731**
ISC Event type ke.
IDC Error ellipse: s-maj=49.2km s-min=13.5km az=83.0.
IDC III 09 16 11 52.3–3.3 27.62N 141.84E 0 3.6,3.6b
¶610545884
IDC Error ellipse: s-maj=152.4km s-min=31.0km az=76.0.
IDC III 09 21 42 30.1–17 27.02N 143.19E 0 3.6,3.5b
¶610545900
IDC Error ellipse: s-maj=427.1km s-min=93.6km az=92.0.
IDC III 12 23 01 58.7–3.0 28.65N 139.34E 491–46 3.5,2.7b
¶610546102
IDC Error ellipse: s-maj=88.2km s-min=20.6km az=73.0.
ISC III 13 15 47 37.0–.70 28.70N–.04 142.8E–.10 34 3.9b 29 2-79
IDC III 13 15 47 32.1–.74 28.73N 143.19E 0 3.7,3.7b **¶610546149**
JMA III 13 15 47 35.7–.09 28.8N–.40 142E–5.0 16 3.8,3.7b
ISC Event type ke.
JMA Event type ke. NEAR CHICHIJIMA ISLAND .
IDC III 14 06 13 40.1–1.4 27.19N 141.10E 0 4.5L,3.8
¶610546184
IDC Error ellipse: s-maj=29.7km s-min=21.2km az=92.0.
ISC III 18 11 22 51.5–1.0 27.85N–.09 142.9E–.20 22 3.8b,3.6s 14 1-80
IDC III 18 11 22 47.6–1.1 27.98N 143.10E 0 3.6,3.6b **¶610546448**
JMA III 18 11 22 57.4–.15 28N–1.0 142E–5.0 37 3.9,3.6b
ISC Event type ke.
JMA Event type ke. NEAR CHICHIJIMA ISLAND .
ISC III 19 09 11 41.5–.88 27.8N–.10 140.2E–.20 500 3.1b 18 2-77
IDC III 19 09 11 41.0–.68 27.93N 140.48E 501–15 3.6,2.7b **¶610546501**
JMA III 19 09 11 43.0–.18 28N–2.0 140E–4.0 495 3.7,2.7b
ISC Event type ke.
JMA Event type ke. W OFF OGASAWARA .
IDC III 21 04 45 21.3–4.8 27.92N 141.20E 0 3.7,3.7b
¶610543380
IDC Error ellipse: s-maj=335.3km s-min=30.3km az=84.0.
ISC III 21 19 07 35.7–.66 26.84N–.09 141.9E–.10 48 4.2b 22 0-78
IDC III 21 19 07 30.6–.96 26.64N 141.89E 0 4.0,4.0b **¶610543421**
NEIC III 21 19 07 35.8–1.4 27.0N–.10 141.9E–.30 54–17 4.4b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC III 22 17 19 16.2–3.6 28.88N 140.19E 0 3.4b,3.3
¶610543476
IDC Error ellipse: s-maj=273.9km s-min=34.8km az=85.0.
ISC III 26 09 50 37.5–.32 28.86N–.04 138.79E–.06 500 4.0b 184 3-153
NIED III 26 09 50 36.4 28.86N 139.08E 529 4.3W **¶610543714**
JMA III 26 09 50 36.4–.19 29N–2.0 139E–2.0 529 4.4
IDC III 26 09 50 37.4–.60 28.85N 138.75E 499–7 4.3,3.4b
NEIC III 26 09 50 38.5–1.6 28.90N–.09 138.8E–.10 504–7 4.3b,3.4b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-2.18 $M_{\theta\theta}$2.76 $M_{\phi\phi}$-0.58 $M_{r\theta}$0.49 $M_{\theta\phi}$0.68 $M_{\phi r}$0.98 NP1:ϕ_s237.00000°,δ57.00000°,λ-118.00000°. NP2:ϕ_s102.00000°,δ43.00000°,λ-54.00000°. $M_0$2.82000$\times10^{15}$
JMA Event type ke. W OFF OGASAWARA .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 27 15 33 00.5–.87 28.47N–.05 142.6E–.20 25 3.7b 25 1-79
IDC III 27 15 32 56.9–.91 28.39N 142.54E 0 3.7,3.7b **¶610543803**
JMA III 27 15 32 59.4–.08 28.5N–.20 142E–2.0 42 4.1,3.7b
ISC Event type ke.
JMA Event type ke. NEAR CHICHIJIMA ISLAND .
ISC III 28 01 07 12.7–.62 28.33N–.06 142.3E–.20 25 4.2b 42 1-124
IDC III 28 01 07 08.7–.88 28.42N 142.42E 0 3.9,3.9b **¶610543824**
NEIC III 28 01 07 14.0–.58 28.31N–.06 142.2E–.20 26–6 4.4b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 01 09 16 06.2–3.1 26.2N–.60 141.1E–.30 500 3.7b 9 1-78
IDC IV 01 09 16 05.4–3.3 25.86N 140.86E 511–17 3.8,3.1b **¶610651693**
ISC Event type ke.
IDC Error ellipse: s-maj=83.6km s-min=33.7km az=11.0.
IDC IV 01 15 12 52.1–17 26.26N 143.18E 0 3.4,3.4b
¶610651711
IDC Error ellipse: s-maj=666.6km s-min=28.2km az=72.0.
ISC IV 01 16 06 36.8–.83 26.7N–.10 144.15E–.09 35 3.6b 19 2-88
IDC IV 01 16 06 31.2–.85 26.59N 144.29E 0 3.6,3.6b **¶610651714**
ISC Event type ke.
IDC Error ellipse: s-maj=21.8km s-min=18.2km az=81.0.
ISC IV 01 16 14 10.6–.82 26.7N–.10 144.18E–.08 10 3.9b 30 2-83
IDC IV 01 16 14 08.7–.77 26.60N 144.26E 0 3.9,3.8b **¶610630653**
JMA IV 01 16 14 11.4–.21 27N–1.0 144.0E–.80 1 3.9,3.8b
NIED IV 01 16 14 11.4 27.07N 144.04E 1 4.0W,3.8b
ISC Event type ke.
IDC Error ellipse: s-maj=19.9km s-min=16.7km az=86.0.
JMA Event type ke. FAR E OFF OGASAWARA .
NIED Moment Tensor Solution. s1 Moment tensor: Scale 10^{15}Nm; M_{rr}-1.04 $M_{\theta\theta}$0.43 $M_{\phi\phi}$0.61 $M_{r\theta}$-0.22 $M_{\theta\phi}$-0.29 $M_{\phi r}$0.32 NP1:ϕ_s144.00000°,δ56.00000°,λ-89.00000°. NP2:ϕ_s323.00000°,δ34.00000°,λ-91.00000°. $M_0$1.01000$\times10^{15}$
ISC IV 02 02 50 51.7–1.2 26.7N–.10 144.1E–.10 31 4.0b 9 2-79
IDC IV 02 02 50 47.1–1.4 26.59N 144.14E 0 3.8,3.8b **¶610651739**
ISC Event type ke.
IDC Error ellipse: s-maj=35.3km s-min=24.4km az=58.0.
ISC IV 02 14 55 53.4–1.1 26.6N–.20 144.1E–.10 10 3.5b 9 2-79
IDC IV 02 14 55 51.7–1.3 26.56N 144.26E 0 3.5,3.5b **¶610651762**
ISC Event type ke.
IDC Error ellipse: s-maj=32.5km s-min=26.8km az=24.0.
IDC IV 03 04 22 07.8–1.4 27.96N 141.20E 0 3.7,3.7b
¶610651792
IDC Error ellipse: s-maj=57.6km s-min=19.6km az=50.0.
ISC IV 03 06 22 22.7–.52 28.34N–.05 142.4E–.10 10 4.2b 48 1-149
IDC IV 03 06 22 21.7–.69 28.40N 142.21E 0 3.9b,3.8 **¶610651807**
NEIC IV 03 06 22 23.4–1.6 28.39N–.03 142.5E–.10 10–1 4.4b,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IV 03 23 19 20.1–1.1 26.60N 144.60E 0 3.7,3.7b
¶610651879
IDC Error ellipse: s-maj=40.8km s-min=26.5km az=71.0.
ISC IV 04 17 47 00.4–.88 27.9N–.10 140.1E–.20 500 3.0b 18 2-76
IDC IV 04 17 46 59.8–.94 27.92N 139.89E 483–29 3.6,2.7b **¶610651939**
JMA IV 04 17 47 02.2–.13 28N–1.0 141E–3.0 494 3.5,2.7b
ISC Event type ke.
JMA Event type ke. W OFF OGASAWARA .
ISC IV 04 23 59 46.7–.36 27.68N–.05 139.90E–.07 500 4.1b 175 2-152
IDC IV 04 23 59 46.1–.46 27.68N 139.85E 488–5 4.4,3.5b **¶610483622**
NEIC IV 04 23 59 46.6–1.1 27.70N–.09 139.9E–.10 495–8 4.2b,3.5b
JMA IV 04 23 59 47.0–.15 28N–1.0 140E–2.0 497 4.3,3.5b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. W OFF OGASAWARA .
ISC IV 05 21 44 49.3–1.2 28.0N–.10 139.2E–.20 400 3.2b 12 3-82
JMA IV 05 21 44 51.0–.25 28N–1.0 139E–3.0 402 3.5 **¶610652030**
IDC IV 05 21 44 52.5–3.3 27.90N 139.78E 477–39 3.7,2.9b
ISC Event type ke.
JMA Event type ke. W OFF OGASAWARA .
IDC Error ellipse: s-maj=39.8km s-min=18.7km az=79.0.
ISC IV 07 17 10 07.0–.57 28.00N–.06 139.89E–.07 439–6 4.1b 169 2-152
IDC IV 07 17 10 06.5–.51 27.99N 139.87E 432–6 4.2,3.4b **¶610518537**
JMA IV 07 17 10 06.9–.18 28N–2.0 140E–3.0 451 4.2,3.4b
NEIC IV 07 17 10 07.8–1.4 27.97N–.09 139.86E–.07 446–6 4.3b,3.4b
ISC Event type ke.
JMA Event type ke. W OFF OGASAWARA .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 07 17 21 25.2–.92 27.3N–.20 140.0E–.20 450 3.1b 8 2-77
IDC IV 07 17 21 25.6–.69 27.30N 140.34E 464–12 3.6,2.7b **¶610652170**
ISC Event type ke.
IDC Error ellipse: s-maj=38.6km s-min=16.3km az=80.0.
IDC IV 11 14 15 21.9–6.5 28.60N 143.04E 0 3.7b,3.6
¶610652464
IDC Error ellipse: s-maj=257.4km s-min=28.4km az=74.0.
ISC IV 13 10 51 10.6–.95 28.0N–.20 141.7E–.20 200 3.6b 7 1-95
IDC IV 13 10 51 11.3–3.6 28.16N 141.73E 203–139 3.8,3.3b **¶610652630**
ISC Event type ke.
IDC Error ellipse: s-maj=427.8km s-min=27.3km az=15.0.
ISC IV 15 12 05 07.7–1.8 27.3N–.10 143.6E–.10 35 3.7b 17 1-62
IDC IV 15 12 04 59.5–1.4 26.72N 143.70E 0 3.6,3.5b **¶610652794**
JMA IV 15 12 05 01.4–.11 27.2N–.60 143.9E–.50 41 4.1,3.5b
ISC Event type ke.
JMA Event type ke. NEAR CHICHIJIMA ISLAND .
ISC IV 15 12 39 55.7–.00 26.9N–.10 143.75E–.09 35 3.5b 13 1-83
IDC IV 15 12 39 50.2–.92 26.72N 143.69E 0 3.5,3.5b **¶610652796**
JMA IV 15 12 39 52.2–.24 27N–2.0 144E–1.0 24 4.1,3.5b
ISC Event type ke.
JMA Event type ke. NEAR CHICHIJIMA ISLAND .
ISC IV 15 16 18 10.3–1.0 28.38N–.08 139.9E–.20 400 2.9b 14 2-76
IDC IV 15 16 18 09.7–2.1 28.31N 139.75E 391–23 3.4,2.7b **¶610652805**
JMA IV 15 16 18 10.8–.37 28N–2.0 140E–5.0 393 3.7,2.7b
ISC Event type ke.
JMA Event type ke. W OFF OGASAWARA .
ISC IV 16 23 26 15.8–.64 27.20N–.08 140.7E–.10 450 3.4b 40 1-151
IDC IV 16 23 26 15.1–1.1 27.18N 140.37E 430–13 3.9,3.1b **¶610598381**
JMA IV 16 23 26 16.1–.33 27N–2.0 141E–3.0 436–3 3.5,3.1b
ISC Event type ke.
JMA Event type ke. W OFF OGASAWARA .
ISC IV 18 00 38 06.3–1.2 28.0N–.10 138.8E–.20 35 3.5b 8 9-73
IDC IV 18 00 38 09.8–5.2 28.10N 138.76E 68–48 3.6,3.4b **¶610652954**
ISC Event type ke.
IDC Error ellipse: s-maj=33.0km s-min=26.7km az=90.0.
ISC IV 19 10 33 56.0–.45 26.87N–.06 143.87E–.06 35 4.4b,3.4s 105 2-149
IDC IV 19 10 33 50.6–.49 26.82N 143.92E 0 4.1,4.1b **¶610532816**
NEIC IV 19 10 33 53.4–1.6 26.89N–.09 143.83E–.10 10–1 4.6b,4.1b
JMA IV 19 10 33 54.9–.11 27.0N–.50 143.8E–.50 89 4.4,4.1b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. NEAR CHICHIJIMA ISLAND .
IDC IV 22 23 38 35.0–1.4 28.22N 142.93E 0 3.4,3.3b
¶610653290
IDC Error ellipse: s-maj=57.4km s-min=20.5km az=109.0.
ISC IV 28 21 01 08.9–.34 26.40N–.04 141.79E–.06 40 4.6b 334 0-150
IDC IV 28 21 01 02.5–.50 26.37N 141.64E 0 4.3b,4.2 **¶610588549**
MOS IV 28 21 01 07.9–1.1 26.36N 141.58E 50 4.7b,4.2
BJI IV 28 21 01 08.0–.00 26.40N 141.80E 51 4.6b,4.2
NEIC IV 28 21 01 09.6–2.2 26.34N–.06 142.0E–.10 41–6 4.6b,4.2
JMA IV 28 21 01 10.2–.08 26.5N–.20 142.0E–.90 54 4.7,4.1
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

JMA Event type fe. NEAR CHICHIJIMA ISLAND .
ISC V 02 01 36 16.5–.86 28.63N–.08 140.4E–.20 350 3.2b 18 2-76
JMA V 02 01 36 17.0–.15 29N–1.0 140E–3.0 342 3.6 **¶610689354**
IDC V 02 01 36 16.3–1.2 28.57N 140.21E 335–24 3.8,3.0b
ISC Event type ke.
JMA Event type ke. W OFF OGASAWARA .
IDC Error ellipse: s-maj=78.1km s-min=14.6km az=77.0.
ISC V 02 09 29 30.5–.76 28.92N–.10 139.7E–.10 423 3.1b 17 3-84
IDC V 02 09 29 30.5–.70 28.87N 139.66E 431–8 3.6,2.8b **¶610689378**
ISC Event type ke.
IDC Error ellipse: s-maj=17.6km s-min=10.7km az=76.0.
IDC V 03 21 11 42.3–1.1 27.58N 141.57E 0 3.5,3.5b
¶610689506
IDC Error ellipse: s-maj=38.5km s-min=18.7km az=52.0.
IDC V 08 13 38 07.6–1.3 27.83N 141.31E 0 3.9b,3.7
¶610689795
IDC Error ellipse: s-maj=59.6km s-min=21.1km az=58.0.
ISC V 10 14 58 05.2–1.0 27.37N–.08 143.5E–.10 35 3.6b 20 1-71
IDC V 10 14 58 00.2–1.1 27.27N 143.48E 0 3.5,3.5b **¶610689970**
JMA V 10 14 58 02.6–.11 27.4N–.70 143.5E–.50 64 3.4,3.5b
ISC Event type ke.
JMA Event type ke. NEAR CHICHIJIMA ISLAND .
IDC V 11 16 51 48.7–3.2 28.32N 142.97E 0 3.4,3.4b
¶610690067
IDC Error ellipse: s-maj=89.3km s-min=26.0km az=85.0.
ISC V 13 06 42 04.3–.40 28.04N–.05 139.30E–.07 507 3.9b 205 3-152
JMA V 13 06 42 03.3–.15 28N–1.0 140E–2.0 530 4.1 **¶610667672**
IDC V 13 06 42 03.9–.59 28.05N 139.27E 505–7 4.3,3.4b
NEIC V 13 06 42 05.2–1.3 28.08N–.06 139.3E–.10 513–8 4.0b,3.4b
ISC Event type ke.
JMA Event type ke. W OFF OGASAWARA .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 17 01 59 44.9–.62 27.53N–.08 140.0E–.10 450 3.6b 42 2-152
IDC V 17 01 59 44.9–.61 27.50N 140.07E 455–7 4.0,3.2b **¶610667691**
JMA V 17 01 59 47.5–.19 28N–2.0 141E–4.0 469 4.2,3.2b
ISC Event type ke.
JMA Event type ke. W OFF OGASAWARA .
ISC V 21 00 33 55.3–.42 28.07N–.06 139.92E–.07 426 4.1b 160 2-122
IDC V 21 00 33 54.6–.51 28.00N 139.89E 422–6 4.4,3.6b **¶610646354**
NEIC V 21 00 33 55.7–1.2 28.1N–.10 139.9E–.10 426–8 4.2b,3.6b
JMA V 21 00 33 55.3–.14 28N–1.0 140E–2.0 438 3.9,3.6b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. W OFF OGASAWARA .
ISC V 25 02 43 57.5–1.3 27.2N–.20 140.3E–.30 443 3.1b 6 47-83
IDC V 25 02 43 58.2–10 27.23N 140.31E 450–124 3.6,2.8b **¶610685331**
ISC Event type ke.
IDC Error ellipse: s-maj=43.6km s-min=27.9km az=76.0.
ISC V 25 11 57 43.2–2.5 28.0N–.20 139.7E–.80 500 3.7b 7 17-76
IDC V 25 11 57 45.5–6.4 28.04N 139.83E 535–75 4.0,3.1b **¶610685362**
ISC Event type ke.
IDC Error ellipse: s-maj=72.8km s-min=23.6km az=75.0.
ISC V 26 04 16 50.3–1.2 28.49N–.09 139.6E–.20 450 3.2b 19 3-81
IDC V 26 04 16 49.2–1.0 28.36N 139.54E 462–12 3.7,2.8b **¶610685406**
JMA V 26 04 16 51.2–.24 29N–2.0 140E–4.0 475 3.5,2.8b
ISC Event type ke.
JMA Event type ke. W OFF OGASAWARA .
IDC V 26 08 57 20.3–1.2 26.61N 144.18E 0 3.6,3.6b
¶610685425
IDC Error ellipse: s-maj=34.0km s-min=28.3km az=167.0.
ISC V 27 04 15 19.1–1.9 28.29N–.05 142.5E–.40 25 3.7b 17 1-85
JMA V 27 04 15 14.9–.14 28N–1.0 143E–5.0 2 3.9 **¶610685477**
IDC V 27 04 15 18.8–.82 27.91N 141.52E 0 3.7,3.7b
ISC Event type ke.
JMA Event type ke. NEAR CHICHIJIMA ISLAND .
IDC Error ellipse: s-maj=37.1km s-min=13.8km az=64.0.
JMA V 27 21 33 06.2–.07 27.1N–.40 143.8E–.30 41 3.7
¶614833815
JMA Event type ke. NEAR CHICHIJIMA ISLAND .
ISC V 29 02 08 28.6–.44 27.66N–.06 140.05E–.07 479 4.3b 235 2-152
MOS V 29 02 08 27.9–.85 27.63N 139.85E 480 4.5b **¶610655453**
NEIC V 29 02 08 27.5–1.3 27.6N–.10 140.0E–.10 467–9 4.3b
JMA V 29 02 08 28.6–.15 28N–2.0 140E–2.0 460 3.8
IDC V 29 02 08 29.3–1.3 27.72N 139.87E 477–13 4.5,3.6b
ISC Event type ke.
MOS Error ellipse: s-maj=14.3km s-min=5.3km az=120.4.
NEIC Event type se. Error ellipse: s-maj=18.6km s-min=15.7km az=126.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. W OFF OGASAWARA .
IDC Error ellipse: s-maj=15.1km s-min=9.9km az=83.0.
JMA V 29 15 27 49.2–.13 27.1N–.70 143.8E–.60 64 3.9
¶614835319
JMA Event type ke. NEAR CHICHIJIMA ISLAND .
ISC VI 02 00 43 31.4–.48 28.36N–.05 141.95E–.10 50 4.2b 91 1-151
NEIC VI 02 00 43 30.6–2.5 28.40N–.04 142.0E–.10 35–2 4.3b **¶610764455**
JMA VI 02 00 43 33.1–.14 28N–1.0 142E–5.0 43 4.9,4.4
IDC VI 02 00 43 33.2–2.9 28.22N 141.92E 75–24 4.1,3.8b
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=19.4km s-min=3.7km az=75.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. NEAR CHICHIJIMA ISLAND .
IDC Error ellipse: s-maj=19.2km s-min=15.6km az=80.0.
ISC VI 08 12 05 55.5–.70 27.54N–.09 140.0E–.10 450 3.6b 36 2-84
IDC VI 08 12 05 55.5–.64 27.52N 140.17E 457–7 4.0,3.1b **¶610760927**
JMA VI 08 12 05 57.2–.14 28N–1.0 141E–3.0 478 3.7,3.1b
ISC Event type ke.
JMA Event type ke. W OFF OGASAWARA .
ISC VI 09 11 47 31.5–2.5 28.5N–.30 138.1E–.80 650 3.2b 7 48-81
IDC VI 09 11 47 31.5–29 28.50N 137.97E 650–356 3.7,2.7b **¶610791537**
ISC Event type ke.
IDC Error ellipse: s-maj=292.9km s-min=18.2km az=69.0.
ISC VI 10 01 56 36.1–.90 27.54N–.09 140.0E–.20 450 3.6b 17 2-77
IDC VI 10 01 55 58.5–13 27.99N 141.61E 102–111 4.2L,4.1 **¶610791566**
JMA VI 10 01 56 37.3–.27 28N–1.0 140E–3.0 448–4 3.5,4.1
ISC Event type ke.
JMA Event type ke. W OFF OGASAWARA .
ISC VI 11 16 53 30.5–.69 28.96N–.06 142.4E–.10 27 4.3s,4.1b 56 2-85
IDC VI 11 16 53 27.1–1.1 28.87N 142.24E 0 4.4s,3.8 **¶610764480**
NIED VI 11 16 53 29.7 29.04N 142.42E 47 4.1W,3.8
JMA VI 11 16 53 29.7–.23 29.0N–.60 142E–4.0 47 4.0,3.8
NEIC VI 11 16 53 31.4–1.5 28.91N–.06 142.3E–.20 26–6 4.5b,3.8
ISC Event type ke.
NIED Moment Tensor Solution. s2 Moment tensor: Scale 10^{15}Nm; M_{rr}0.55 $M_{\theta\theta}$-0.02 $M_{\phi\phi}$-0.54 $M_{r\theta}$-0.62 $M_{\theta\phi}$0.22 $M_{\phi r}$1.32 NP1:ϕ_s335.00000°,δ79.00000°,λ88.00000°. NP2:ϕ_s166.00000°,δ11.00000°,λ100.00000°. $M_0$1.57000×10^{15}
JMA Event type ke. NEAR TORISHIMA IS .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 13 14 31 57.7–.35 28.05N–.04 139.78E–.05 441–3 4.6b 762 2-165
BGR VI 13 14 31 08.7 26.96N 139.82E 33 5.1b **¶617195263**
BJI VI 13 14 31 56.1–.00 27.99N 139.76E 443 5.1b,4.6b
NEIC VI 13 14 31 58.0–1.4 28.03N–.09 139.7E–.10 438–6 4.6b,4.6b
NIED VI 13 14 31 57.7 28.16N 140.22E 441 4.7W,4.6b
JMA VI 13 14 31 57.7–.34 28N–1.0 140E–3.0 441–4 5.4,4.7
IDC VI 13 14 31 58.1–.52 28.01N 139.73E 445–5 5.0,4.2b
ISC Event type ke.
BGR Event type ke.
NEIC Event type se. Error ellipse: s-maj=14.8km s-min=12.6km az=109.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.96 $M_{\theta\theta}$1.03 $M_{\phi\phi}$-0.07 $M_{r\theta}$-0.09 $M_{\theta\phi}$-0.37 $M_{\phi r}$-0.70 NP1:ϕ_s315.00000°,δ56.00000°,λ-53.00000°. NP2:ϕ_s81.00000°,δ49.00000°,λ-132.00000°. $M_0$1.26000×10^{16}
JMA Event type fe. W OFF OGASAWARA .
IDC Error ellipse: s-maj=8.1km s-min=6.0km az=77.0.
ISC VI 16 03 15 38.6–1.5 27.59N–.06 141.8E–.10 32–11 4.3b,3.6s 73 1-150
IDC VI 16 03 15 33.9–.58 27.61N 141.78E 0 4.1b,4.0 **¶610760952**
NEIC VI 16 03 15 36.7–1.4 27.60N–.07 141.7E–.10 14–5 4.4b,4.0
JMA VI 16 03 15 41.2–.12 27.5N–.80 142E–2.0 38 4.4,3.9
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. NEAR CHICHIJIMA ISLAND .
ISC VI 16 19 05 59.5–.33 27.82N–.03 139.57E–.04 520–3 4.6b 852 2-152
NIED VI 16 19 05 58.1 27.87N 139.79E 525 4.8W **¶610678711**
MOS VI 16 19 05 58.5–.93 27.82N 139.51E 522 4.4b
JMA VI 16 19 05 58.1–.31 28N–1.0 140E–2.0 525–4 5.3,4.7
NEIC VI 16 19 05 59.2–1.2 27.88N–.08 139.6E–.10 517–6 4.6b,4.7
BJI VI 16 19 05 59.4–.00 27.88N 139.57E 538 4.8b,4.8b
IDC VI 16 19 05 59.4–.45 27.87N 139.54E 517–5 4.9,3.9b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.87 $M_{\theta\theta}$1.38 $M_{\phi\phi}$-0.51 $M_{r\theta}$0.59 $M_{\theta\phi}$-0.07 $M_{\phi r}$-0.71 NP1:ϕ_s302.00000°,δ68.00000°,λ-55.00000°. NP2:ϕ_s61.00000°,δ40.00000°,λ-144.00000°. $M_0$1.52000×10^{16}
MOS Error ellipse: s-maj=8.4km s-min=4.8km az=99.0.
JMA Event type fe. W OFF OGASAWARA .
NEIC Event type se. Error ellipse: s-maj=13.3km s-min=11.7km az=89.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=7.9km s-min=5.4km az=90.0.
ISC VI 18 17 14 36.7–1.9 27.7N–.20 140.2E–.60 479 3.0b 7 9-77
IDC VI 18 17 14 35.5–3.4 27.61N 139.86E 453–41 3.5,2.6b **¶610792133**
ISC Event type ke.
IDC Error ellipse: s-maj=88.5km s-min=16.9km az=79.0.
IDC VI 19 12 01 24.8–1.9 27.29N 141.76E 0 3.4,3.4b
¶610792190
IDC Error ellipse: s-maj=36.8km s-min=17.5km az=15.0.
ISC VI 19 20 47 44.4–.43 27.37N–.06 140.22E–.08 479 3.9b 118 2-152
IDC VI 19 20 47 42.5–.53 27.32N 140.02E 447–6 4.3,3.4b **¶610792210**
NEIC VI 19 20 47 44.7–1.5 27.4N–.10 140.08E–.08 470–9 4.0b,3.4b
JMA VI 19 20 47 44.5–.13 28N–1.0 140E–2.0 453 3.9,3.4b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. W OFF OGASAWARA .
IDC VI 23 10 18 12.3–5.2 27.80N 139.12E 432–90 3.8,3.0b
¶610789335
IDC Error ellipse: s-maj=202.3km s-min=23.3km az=85.0.
ISC VI 26 17 42 05.4–.40 26.23N–.05 140.66E–.06 400 4.1b 362 1-151
IDC VI 26 17 42 06.0–1.0 26.19N 140.68E 410–11 4.3,3.5b **¶610695183**
NEIC VI 26 17 42 06.4–1.4 26.2N–.10 140.7E–.10 407–7 4.2b,3.5b
JMA VI 26 17 42 07.5–.19 26N–2.0 141E–3.0 394 4.2,3.5b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. W OFF OGASAWARA .
ISC VI 30 10 21 22.1–.90 27.8N–.10 140.4E–.20 500 3.0b 16 2-77
IDC VI 30 10 21 22.0–1.4 27.73N 139.91E 484–29 3.7,2.9b **¶610789780**
JMA VI 30 10 21 23.1–.40 28N–2.0 141E–3.0 498–4 3.7,2.9b
ISC Event type ke.
JMA Event type ke. W OFF OGASAWARA .

(213) Volcano Islands region.

ISC I 01 19 44 02.7–.98 24.21N–.09 141.3E–.20 150 3.4b 24 3-80
IDC I 01 19 44 01.9–4.8 24.13N 141.55E 149–46 3.5,3.1b **¶610236410**
JMA I 01 19 44 05.5–.09 25N–1.0 141E–4.0 166 4.6,3.1b
ISC Event type ke.
JMA Event type ke. IOTO ISLANDS REGION .
ISC I 02 13 33 32.7–2.4 22.5N–.20 144.8E–.70 35 3.8b 9 5-63
IDC I 02 13 33 33.6–5.8 22.52N 144.72E 40–39 4.3s,4.1L **¶610236468**
ISC Event type ke.
IDC Error ellipse: s-maj=115.9km s-min=18.8km az=78.0.
ISC I 04 20 02 06.2–2.8 22.8N–.20 144.8E–.70 100 3.6b 7 21-63
IDC I 04 20 02 09.5–10 22.86N 144.80E 130–94 3.7,3.2b **¶610236726**
ISC Event type ke.
IDC Error ellipse: s-maj=104.3km s-min=18.5km az=79.0.
IDC I 06 23 02 03.4–1.5 25.31N 141.69E 0 3.5,3.5b
¶610236863
IDC Error ellipse: s-maj=68.7km s-min=21.6km az=101.0.
ISC I 09 13 31 42.9–1.0 22.8N–.10 144.4E–.20 100 3.6b 11 20-83
IDC I 09 13 31 45.8–8.5 22.80N 144.30E 127–78 3.6,3.2b **¶610237032**
ISC Event type ke.
IDC Error ellipse: s-maj=34.7km s-min=19.4km az=92.0.
IDC I 11 13 36 33.9–1.5 23.01N 141.81E 0 3.9L,3.3
¶610237153
IDC Error ellipse: s-maj=170.8km s-min=24.6km az=103.0.
ISC I 12 15 58 55.0–.88 22.93N–.09 144.5E–.20 35 4.0b 21 5-83
NEIC I 12 15 58 51.9–1.3 23.0N–.10 144.5E–.20 10–1 4.5b **¶610237246**
IDC I 12 15 58 55.6–4.4 22.97N 144.56E 44–40 4.2L,3.9
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=28.9km s-min=17.5km az=77.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=49.3km s-min=17.9km az=90.0.
ISC I 13 15 36 35.6–1.0 25.5N–.10 141.3E–.20 35 3.5b 9 2-79
IDC I 13 15 36 36.4–3.1 25.50N 141.30E 43–31 3.5,3.3b **¶610237300**
ISC Event type ke.
IDC Error ellipse: s-maj=37.0km s-min=18.5km az=100.0.
IDC I 15 02 42 24.5–4.8 25.62N 142.79E 0 3.6,3.6b
¶610237409
IDC Error ellipse: s-maj=330.8km s-min=30.9km az=86.0.
ISC I 17 07 46 22.8–.39 22.12N–.05 143.71E–.08 150 4.6b 176 5-149
BJI I 17 07 46 14.9–.00 21.85N 144.14E 122 5.0b,4.7b **¶610098434**
IDC I 17 07 46 20.9–1.6 22.02N 143.65E 136–13 4.6,4.2b
NEIC I 17 07 46 21–1.4 22.05N–.08 143.7E–.10 127–7 4.7b,4.2b
JMA I 17 07 46 23.2–.18 22.5N–.70 144E–1.0 152–2 5.4,4.2b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. IOTO ISLANDS REGION .
ISC I 18 06 23 42.4–1.2 23.5N–.10 144.0E–.30 50 3.6b 9 4-82
IDC I 18 06 23 42.3–3.6 23.54N 143.99E 48–30 3.8,3.8L **¶610237645**
ISC Event type ke.
IDC Error ellipse: s-maj=49.2km s-min=19.3km az=82.0.
ISC I 19 01 09 33.8–.95 22.1N–.10 143.4E–.30 250 3.6b 14 5-150
IDC I 19 01 09 32.1–3.2 21.87N 143.28E 229–27 3.9,3.2b **¶610237696**
ISC Event type ke.
IDC Error ellipse: s-maj=27.6km s-min=19.8km az=62.0.
IDC I 21 02 44 34.2–3.0 22.69N 144.63E 0 3.6,3.6b
¶610234970
IDC Error ellipse: s-maj=141.5km s-min=27.1km az=82.0.
ISC I 21 12 12 21.8–1.1 22.82N–.08 144.1E–.20 100 4.1b 30 4-146
NEIC I 21 12 12 19.7–1.4 22.5N–.10 144.0E–.20 82–13 4.3b **¶610234994**
IDC I 21 12 12 20.1–3.3 22.45N 143.86E 87–27 4.0,3.6b
JMA I 21 12 12 22.0–.28 23N–2.0 144E–4.0 142 4.0,3.6b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

JMA Event type ke. IOTO ISLANDS REGION .
IDC I 21 19 39 12.8–.98 25.04N 142.06E 254–56 3.7,3.0b
¶610235014
IDC Error ellipse: s-maj=183.4km s-min=17.0km az=69.0.
IDC I 22 00 24 17.7–2.8 23.75N 141.96E 115–29 3.4,2.9b
¶610235039
IDC Error ellipse: s-maj=56.0km s-min=22.3km az=95.0.
JMA I 25 02 58 39.9–.29 26N–2.0 141E–2.0 121 4.0
¶614115997
JMA Event type ke. IOTO ISLANDS REGION .
ISC I 25 23 09 36.5–.43 24.75N–.06 141.37E–.10 200 4.1b 69 2-149
NEIC I 25 23 09 36.0–1.5 24.73N–.09 141.4E–.10 188–7 4.3b **¶610235349**
IDC I 25 23 09 37.5–.71 24.75N 141.32E 203–6 4.0,3.4b
JMA I 25 23 09 38.3–.14 25.1N–.50 141E–2.0 173 5.0,3.4b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. IOTO ISLANDS REGION .
ISC I 27 11 57 35.1–.75 24.36N–.09 142.8E–.10 35 4.1b 40 3-88
NEIC I 27 11 57 37.5–1.9 24.50N–.09 142.8E–.20 53–5 4.2b **¶610235479**
IDC I 27 11 57 40.8–2.3 24.50N 142.66E 82–18 3.8,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=23.0km s-min=12.8km az=92.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=23.3km s-min=15.3km az=95.0.
ISC I 28 19 34 10.9–1.2 23.0N–.10 142.1E–.20 300 3.4b 20 4-83
IDC I 28 19 34 08.6–2.0 22.57N 141.77E 293–20 4.0,3.1b **¶610235589**
JMA I 28 19 34 10.8–.18 23N–1.0 143E–4.0 304 4.0,3.1b
ISC Event type ke.
JMA Event type ke. IOTO ISLANDS REGION .
IDC II 05 12 37 27.7–3.5 22.23N 144.57E 0 3.7,3.7b
¶610414881
IDC Error ellipse: s-maj=157.1km s-min=37.4km az=82.0.
IDC II 06 07 26 20.1–11 24.69N 142.39E 0 3.7,3.7b
¶610414943
IDC Error ellipse: s-maj=357.5km s-min=123.0km az=12.0.
ISC II 06 11 45 13.6–1.2 22.2N–.10 143.2E–.30 250 3.6b 15 5-83
IDC II 06 11 45 11.5–2.4 22.12N 143.29E 231–19 3.9,3.3b **¶610414967**
ISC Event type ke.
IDC Error ellipse: s-maj=34.5km s-min=16.9km az=82.0.
IDC II 08 09 19 00.2–1.5 24.97N 140.73E 0 3.4,3.4b
¶610415108
IDC Error ellipse: s-maj=55.8km s-min=26.8km az=96.0.
IDC II 09 08 06 05.7–1.4 22.45N 142.28E 0 3.7,3.7b
¶610415165
IDC Error ellipse: s-maj=86.4km s-min=30.8km az=103.0.
IDC II 12 12 07 52.5–7.7 24.43N 142.13E 228–41 3.8,3.2b
¶610415377
IDC Error ellipse: s-maj=99.7km s-min=38.8km az=175.0.
ISC II 13 20 22 43.1–.36 24.37N–.05 142.12E–.07 550 4.2b 260 2-151
BJI II 13 20 22 39.7–.00 24.36N 142.17E 518 4.6b,4.4b **¶610208910**
IDC II 13 20 22 42.7–.59 24.34N 142.14E 541–6 4.6,3.7b
NEIC II 13 20 22 42.6–1.6 24.34N–.09 142.2E–.10 540–8 4.4b,3.7b
JMA II 13 20 22 43.5–.27 25N–1.0 142E–2.0 544–1 5.7,5.0
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. IOTO ISLANDS REGION .
IDC II 15 05 29 39.8–1.4 23.89N 142.03E 0 3.5,3.5b
¶610415543
IDC Error ellipse: s-maj=47.8km s-min=27.8km az=87.0.
IDC II 19 16 33 53.2–44 22.74N 141.51E 0 3.6,3.6b
¶610415827
IDC Error ellipse: s-maj=889.2km s-min=274.4km az=164.0.
ISC II 23 22 04 08.1–6.1 25.5N–.60 142.7E–.90 100 3.9b 4 2-80
IDC II 23 22 04 05.9–2.8 25.79N 140.96E 110–24 3.7,3.3b **¶610384901**
ISC Event type ke.
IDC Error ellipse: s-maj=61.7km s-min=17.0km az=103.0.
ISC II 25 05 58 02.3–.58 24.47N–.07 141.4E–.10 200 4.0b 52 2-149
NEIC II 25 05 58 01.8–1.7 24.4N–.10 141.5E–.20 182–9 4.3b **¶610384982**
JMA II 25 05 58 02.5–.78 25.4N–.80 140E–4.0 0 5.0
IDC II 25 05 58 03.3–1.7 24.45N 141.14E 205–16 4.1,3.4b
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=24.0km s-min=15.2km az=88.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. IOTO ISLANDS REGION .
IDC Error ellipse: s-maj=17.2km s-min=11.1km az=91.0.
ISC II 26 10 47 49.4–.56 25.50N–.07 142.4E–.10 38 4.2b 66 2-150
NEIC II 26 10 47 50.6–1.3 25.58N–.09 142.3E–.20 35–8 4.4b **¶610243842**
IDC II 26 10 47 53.1–1.7 25.57N 142.41E 73–12 3.9,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=26.7km s-min=12.7km az=91.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=18.8km s-min=13.7km az=94.0.
IDC II 27 16 38 12.5–11 25.06N 141.72E 0 3.8,3.8b
¶610385138
IDC Error ellipse: s-maj=262.7km s-min=56.2km az=159.0.
ISC III 01 05 42 50.8–1.2 25.6N–.10 142.2E–.30 35 3.6b 9 1-79
IDC III 01 05 42 45.8–1.1 25.68N 142.20E 0 3.7,3.7b **¶610545297**
ISC Event type ke.
IDC Error ellipse: s-maj=51.5km s-min=16.4km az=90.0.
ISC III 01 14 25 58.1–.45 22.07N–.07 143.1E–.10 100 4.4b 83 5-98
BJI III 01 14 25 46.0–.00 22.10N 143.20E 10 4.9b,4.6b **¶610242591**
IDC III 01 14 25 55.3–5.1 22.03N 143.07E 75–47 4.2,3.9b
NEIC III 01 14 26 00.2–1.6 22.11N–.09 143.09E–.09 113–7 4.6b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC III 02 14 08 26.5–10 24.66N 140.70E 188–191 4.3L,3.5
¶610545391
IDC Error ellipse: s-maj=332.3km s-min=26.8km az=71.0.
ISC III 12 07 03 39.3–.96 25.72N–.09 142.2E–.20 100 3.9b 24 1-150
IDC III 12 07 03 30.1–.79 25.71N 140.69E 0 3.9,3.9b **¶610546064**
NEIC III 12 07 03 39.0–1.3 25.79N–.04 142.3E–.20 92–10 4.2b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC III 12 18 26 48.9–5.3 22.36N 144.68E 125–40 3.5,2.9b
¶610546089
IDC Error ellipse: s-maj=164.4km s-min=27.7km az=77.0.
ISC III 13 07 16 34.8–.88 22.11N–.10 142.9E–.20 250 3.3b 17 5-98
IDC III 13 07 16 33.0–2.2 22.04N 143.00E 234–19 3.8,3.2b **¶610546120**
ISC Event type ke.
IDC Error ellipse: s-maj=21.9km s-min=15.3km az=89.0.
ISC III 17 14 46 22.1–1.1 22.1N–.20 143.2E–.20 35 3.4b 7 20-83
IDC III 17 14 46 16.8–1.1 22.12N 143.26E 0 3.4,3.4b **¶610546392**
ISC Event type ke.
IDC Error ellipse: s-maj=40.2km s-min=23.4km az=86.0.
ISC III 20 16 25 36.6–.74 22.13N–.10 143.7E–.20 150 3.4b 16 5-149
IDC III 20 16 25 34.5–3.5 22.02N 143.67E 131–31 3.6,3.1b **¶610543339**
ISC Event type ke.
IDC Error ellipse: s-maj=25.9km s-min=15.4km az=91.0.
JMA III 23 22 14 20.5–.04 24.3N–.70 141E–2.0 136–0 4.1
¶614165229
JMA Event type ke. IOTO ISLANDS REGION .
ISC III 24 17 38 03.9–.96 24.38N–.09 141.3E–.20 148 3.4b 13 3-52
IDC III 24 17 38 02.7–6.2 24.27N 141.61E 145–114 3.8L,3.5 **¶610543610**
NEIC III 24 17 38 04.4–1.9 24.4N–.10 141.3E–.30 145–18 4.3b,3.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC III 25 23 34 44.3–3.3 23.38N 143.36E 0 3.6,3.6L
¶610543673
IDC Error ellipse: s-maj=146.7km s-min=27.6km az=82.0.
IDC III 26 09 21 26.8–43 25.41N 140.13E 210–221 3.7,3.2L
¶610543712
IDC Error ellipse: s-maj=542.1km s-min=46.0km az=175.0.
JMA III 29 11 15 28.2–.16 25N–1.0 141E–2.0 168 4.5
¶614170171
JMA Event type ke. IOTO ISLANDS REGION .
ISC III 29 21 40 41.9–1.4 23.77N–.09 142.7E–.40 50 3.7b 12 3-81
IDC III 29 21 40 43.4–2.6 23.94N 143.01E 75–31 3.7,3.4b **¶610543958**
ISC Event type ke.
IDC Error ellipse: s-maj=100.8km s-min=16.6km az=75.0.
ISC IV 06 11 18 45.7–.61 22.12N–.07 144.2E–.20 100 3.9b 35 5-149
IDC IV 06 11 18 45.9–.76 22.05N 144.12E 104–6 3.8,3.5b **¶610652075**
JMA IV 06 11 18 47.0–.26 23N–3.0 145E–4.0 0 5.5,3.5b
ISC Event type ke.
JMA Event type ke. FAR E OFF OGASAWARA .
ISC IV 07 07 43 59.0–.73 22.24N–.09 142.8E–.20 35 4.0b,3.5s 21 5-150
IDC IV 07 07 43 53.7–.67 22.27N 142.78E 0 4.0,4.0b **¶610652132**
ISC Event type ke.
IDC Error ellipse: s-maj=27.7km s-min=14.5km az=80.0.
IDC IV 09 15 56 23.9–3.4 22.76N 143.79E 0 3.7L,3.6
¶610652307
IDC Error ellipse: s-maj=157.8km s-min=22.3km az=83.0.
ISC IV 09 15 57 13.7–.89 22.93N–.10 144.3E–.20 35 3.9b 21 5-149
NEIC IV 09 15 57 10.3–.78 23.0N–.20 144.3E–.20 10–2 4.4b **¶610652310**
IDC IV 09 15 57 15.8–5.0 22.83N 143.98E 40–43 3.9L,3.6
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=40.6km s-min=16.6km az=58.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=59.5km s-min=20.5km az=81.0.
IDC IV 15 00 06 51.6–8.8 22.87N 144.25E 140–57 3.8,3.3b
¶610652765
IDC Error ellipse: s-maj=134.0km s-min=71.6km az=59.0.
IDC IV 18 23 59 41.0–1.2 22.09N 142.69E 0 3.6,3.6b
¶610653015
IDC Error ellipse: s-maj=96.6km s-min=27.1km az=99.0.
IDC IV 19 00 34 04.0–5.4 22.14N 142.66E 0 3.7,3.7b
¶610653018
IDC Error ellipse: s-maj=371.7km s-min=34.1km az=87.0.
ISC IV 19 13 26 36.3–1.1 22.2N–.10 143.5E–.30 250 3.2b 10 5-83
IDC IV 19 13 26 35.1–2.9 22.02N 143.50E 239–28 3.7,3.0b **¶610653050**
ISC Event type ke.
IDC Error ellipse: s-maj=42.5km s-min=14.8km az=82.0.
ISC IV 24 01 56 50.3–1.1 25.5N–.10 141.6E–.20 10 3.6b 9 2-79
IDC IV 24 01 56 48.8–1.1 25.51N 141.30E 0 3.7,3.7b **¶610649850**
ISC Event type ke.
IDC Error ellipse: s-maj=42.1km s-min=20.0km az=112.0.
IDC IV 24 20 07 44.7–35 23.06N 143.16E 452–279 3.7,2.9b
¶610649919
IDC Error ellipse: s-maj=288.5km s-min=43.2km az=169.0.
IDC IV 25 22 04 19.7–1.5 23.60N 143.10E 0 4.0s,3.6
¶610650018
IDC Error ellipse: s-maj=63.1km s-min=28.2km az=89.0.
ISC IV 26 11 55 13.6–1.4 23.4N–.10 143.1E–.30 39 3.5b 7 4-75
IDC IV 26 11 55 07.8–1.5 23.28N 143.12E 0 3.5,3.5b **¶610650055**
ISC Event type ke.
IDC Error ellipse: s-maj=53.0km s-min=25.4km az=82.0.
ISC IV 30 06 34 50.7–.81 22.28N–.09 143.3E–.30 150 3.5b 10 5-150
IDC IV 30 06 34 50.9–3.3 22.23N 143.42E 150–32 3.8,3.3b **¶610650388**
ISC Event type ke.
IDC Error ellipse: s-maj=36.5km s-min=15.1km az=98.0.
ISC V 05 15 32 46.9–.67 22.91N–.08 143.9E–.10 100 4.0b 41 4-149
IDC V 05 15 32 34.4–.81 22.65N 144.26E 0 3.9,3.9b **¶610689615**
NEIC V 05 15 32 47.2–2.2 22.95N–.06 143.7E–.20 107–8 4.1b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 06 14 14 39.5–.85 22.20N–.08 144.8E–.20 50 4.1b 29 5-83
NEIC V 06 14 14 39.6–.82 22.24N–.10 144.9E–.20 51–7 4.4b **¶610689666**
IDC V 06 14 14 39.2–4.2 22.19N 144.57E 41–36 3.8,3.7L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.7km s-min=13.8km az=102.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=41.7km s-min=17.9km az=87.0.
IDC V 10 06 26 28.0–1.9 22.50N 142.30E 243–21 3.6,2.9b
¶610689944
IDC Error ellipse: s-maj=49.2km s-min=17.6km az=96.0.
ISC V 10 15 32 35.4–.88 25.60N–.09 141.4E–.20 10 3.5b 10 2-74
IDC V 10 15 32 34.2–.88 25.56N 141.44E 0 3.6,3.6b **¶610689972**
ISC Event type ke.
IDC Error ellipse: s-maj=33.6km s-min=15.8km az=101.0.
ISC V 16 19 25 39.3–.88 25.42N–.09 143.1E–.10 40 4.0b 28 2-84
IDC V 16 19 25 34.6–1.8 25.37N 143.03E 0 3.8b,3.7 **¶610690439**
NEIC V 16 19 25 34.6–1.5 25.46N–.09 143.2E–.10 7–6 4.5b,3.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA V 19 07 17 09.5–.39 26N–1.0 141E–4.0 150 3.8
¶614825673
JMA Event type ke. IOTO ISLANDS REGION .
ISC V 22 07 30 05.8–.48 22.35N–.06 143.5E–.10 118 4.3b 82 5-146
IDC V 22 07 30 06.6–2.9 22.30N 143.49E 128–26 4.2,3.7b **¶610685147**
NEIC V 22 07 30 07.2–1.8 22.37N–.06 143.5E–.10 128–7 4.3b,3.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 24 15 19 49.5–1.7 25.6N–.20 143.5E–.40 35 3.6b 7 2-80
IDC V 24 15 19 54.6–4.2 25.55N 142.98E 70–28 3.5,3.2b **¶610685304**
ISC Event type ke.
IDC Error ellipse: s-maj=99.4km s-min=20.3km az=80.0.
ISC V 24 20 12 45.8–2.4 25.4N–.20 142.4E–.60 38 3.7b 7 25-80
IDC V 24 20 12 40.1–2.5 25.36N 142.45E 0 3.7,3.7b **¶610685314**
ISC Event type ke.
IDC Error ellipse: s-maj=97.0km s-min=29.9km az=80.0.
ISC V 25 10 02 36.2–.45 23.07N–.05 143.08E–.10 100 4.3b 96 4-150
IDC V 25 10 02 34.9–2.2 23.00N 143.12E 87–19 4.2,3.8b **¶610685358**
NEIC V 25 10 02 35.3–2.6 22.97N–.09 143.3E–.10 89–8 4.5b,3.8b
JMA V 25 10 02 38.0–.32 23N–1.0 142.9E–.90 150 5.0,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. IOTO ISLANDS REGION .
ISC V 29 07 04 08.9–1.9 23.9N–.10 143.9E–.40 150 9 3-48
IDC V 29 07 03 51.9–9.8 23.90N 144.12E 0 3.5,3.4b **¶610685596**
JMA V 29 07 04 15.2–.73 24N–3.0 144E–3.0 157 4.1,3.4b
ISC Event type ke.
JMA Event type ke. IOTO ISLANDS REGION .
ISC VI 04 18 46 11.1–.40 24.91N–.03 142.18E–.04 28–2 5.1b,4.3s 1008 2-174
JMA VI 04 18 45 56.5–.33 24.5N–.90 143E–1.0 0 5.8,5.2 **¶610661314**
BJI VI 04 18 46 06.7–.00 24.85N 142.64E 30 4.8b,4.8b
NEIC VI 04 18 46 08.9–2.8 24.93N–.06 142.17E–.10 10–1 5.2b,4.8b
MOS VI 04 18 46 10.9–.96 24.86N 141.96E 38 5.4b,4.6s
GCMT VI 04 18 46 12.9–.20 24.95N–.01 142.30E–.02 13–1 4.9W,4.6s
IDC VI 04 18 46 13.1–1.6 24.88N 141.97E 44–14 4.9,4.7b

ISC Event type ke.
JMA Event type fe. IOTO ISLANDS REGION .
NEIC Event type se. Error ellipse: s-maj=15.0km s-min=9.6km az=94.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=8.3km s-min=3.7km az=114.8.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s43,c51; s105,c171;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.81±.11 $M_{\theta\theta}$-2.46±.09; $M_{\phi\phi}$1.66±.08; $M_{r\theta}$-0.25±.17; $M_{\theta\phi}$-1.96±.07; $M_{\phi r}$-0.06±.20; Best double couple: NP1:ϕ_s113.00000°,δ89.00000°,λ-176.00000°. NP2:ϕ_s23.00000°,δ86.00000°,λ-1.00000°. Principal axes: T 2.4440,Plg1.0000°,Azm248.0000°; N 0.8230,Plg86.0000°,Azm136.0000°; P -3.2590,Plg4.0000°,Azm338.0000° $M_0$2.85200×10^{16}
IDC Error ellipse: s-maj=12.7km s-min=9.2km az=76.0.
IDC VI 09 07 44 49.1–2.2 23.16N 141.42E 218–22 3.7,3.1b ¶610791512
IDC Error ellipse: s-maj=46.2km s-min=22.1km az=89.0.
IDC VI 11 01 51 04.4–10 25.46N 140.55E 207–102 3.6,3.3s ¶610791629
IDC Error ellipse: s-maj=62.5km s-min=27.2km az=90.0.
ISC VI 13 10 59 14.0–.50 22.57N–.07 143.0E–.10 184 3.9b 76 5-88
IDC VI 13 10 59 11.7–6.2 22.47N 142.92E 170–58 3.8,3.3b **¶610791772**
NEIC VI 13 10 59 14.7–1.5 22.60N–.08 142.95E–.08 184–7 4.1b,3.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 13 11 06 33.6–.69 25.43N–.08 143.1E–.10 40 4.2b 41 2-88
IDC VI 13 11 06 28.1–.98 25.45N 142.98E 0 3.9,3.9b **¶610791773**
NEIC VI 13 11 06 30.1–2.1 25.43N–.07 143.18E–.05 10–1 4.5b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 14 04 19 31.5–1.3 25.5N–.20 142.8E–.30 40 3.9b 6 46-84
IDC VI 14 04 19 25.8–1.4 25.51N 142.77E 0 3.9,3.9b **¶610791826**
ISC Event type ke.
IDC Error ellipse: s-maj=50.2km s-min=31.5km az=87.0.
IDC VI 14 12 11 14.5–1.2 22.91N 141.85E 0 3.6,3.6b ¶610791863
IDC Error ellipse: s-maj=70.2km s-min=28.9km az=97.0.
IDC VI 14 13 08 01.0–7.4 25.13N 141.25E 0 3.7,3.7b ¶610791868
IDC Error ellipse: s-maj=305.8km s-min=31.5km az=73.0.
IDC VI 14 14 35 20.6–2.6 25.45N 142.62E 0 3.6,3.6b ¶610791873
IDC Error ellipse: s-maj=125.4km s-min=35.7km az=82.0.
ISC VI 14 19 52 50.3–.51 25.43N–.06 142.7E–.10 10 4.6b,3.9s 179 1-150
IDC VI 14 19 52 48.2–.53 25.48N 142.77E 0 4.1,4.1b **¶610674297**
JMA VI 14 19 52 48.1–.14 25.5N–.20 143.3E–.80 5–1 5.0,4.6
NIED VI 14 19 52 48.1 25.50N 143.25E 5 4.7W,4.6
NEIC VI 14 19 52 50.2–1.5 25.52N–.08 142.7E–.10 10–1 4.7b,4.6
ISC Event type ke.
JMA Event type ke. IOTO ISLANDS REGION .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}0.39 $M_{\theta\theta}$0.25 $M_{\phi\phi}$-0.65 $M_{r\theta}$0.83 $M_{\theta\phi}$-0.09 $M_{\phi r}$-0.46 NP1:ϕ_s138.00000°,δ80.00000°,λ62.00000°. NP2:ϕ_s30.00000°,δ30.00000°,λ159.00000°. $M_0$1.06000×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VI 14 20 00 42.0–2.3 25.35N 141.29E 0 4.4s,3.6 ¶610791888
IDC Error ellipse: s-maj=122.4km s-min=23.2km az=82.0.
ISC VI 14 20 02 10.4–2.5 25.4N–.20 142.4E–.80 38 3.7b 6 25-80
IDC VI 14 20 02 04.9–2.3 25.39N 142.32E 0 3.6,3.6b **¶610791889**
ISC Event type ke.
IDC Error ellipse: s-maj=112.3km s-min=21.5km az=81.0.
ISC VI 15 03 23 47.3–1.2 22.1N–.10 142.9E–.30 300 3.1b 8 15-83
IDC VI 15 03 23 48.8–5.8 22.06N 142.87E 315–61 3.7,3.0b **¶610791905**
ISC Event type ke.
IDC Error ellipse: s-maj=40.6km s-min=14.3km az=91.0.
ISC VI 16 03 51 30.8–2.2 25.5N–.20 142.7E–.70 40 3.8b 8 23-85
IDC VI 16 03 51 24.7–2.0 25.51N 142.86E 0 3.8,3.8b **¶610760953**
ISC Event type ke.
IDC Error ellipse: s-maj=99.3km s-min=22.5km az=80.0.
ISC VI 18 11 18 54.5–.50 25.50N–.05 142.71E–.07 40–4 4.7b,3.6s 374 1-150
JMA VI 18 11 18 47.9–.23 25.5N–.50 143E–1.0 1–2 4.8,4.5 **¶611834143**
IDC VI 18 11 18 48.1–.51 25.50N 142.72E 0 4.3,4.3b
NEIC VI 18 11 18 55.3–1.4 25.55N–.07 142.8E–.10 36–7 4.8b,4.3b
ISC Event type ke.
JMA Event type ke. IOTO ISLANDS REGION .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 25 08 17 07.9–.61 25.43N–.08 142.5E–.10 38 4.2b,3.1s 56 2-150
IDC VI 25 08 17 02.2–.63 25.45N 142.67E 0 4.0b,3.9 **¶610760999**
NEIC VI 25 08 17 06.6–1.5 25.47N–.10 142.4E–.20 20–6 4.3b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VI 25 08 29 04.7–4.5 25.27N 140.46E 0 3.7,3.7b ¶610789433
IDC Error ellipse: s-maj=321.5km s-min=32.3km az=84.0.
ISC VI 25 12 32 41.2–1.4 25.4N–.10 141.9E–.30 35 3.8b,3.0s 10 2-85
IDC VI 25 12 32 35.8–1.7 25.43N 142.16E 0 3.7,3.7b **¶610789446**
ISC Event type ke.
IDC Error ellipse: s-maj=68.2km s-min=19.1km az=82.0.
ISC VI 25 15 09 45.5–.55 25.54N–.08 142.7E–.10 38 4.2b,3.2s 54 2-88
NEIC VI 25 15 09 42.3–1.8 25.51N–.02 142.7E–.10 10–1 4.5b,3.2s **¶610789452**
IDC VI 25 15 09 45.5–4.3 25.46N 142.83E 42–38 3.8,3.6b
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=22.7km s-min=3.8km az=92.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=30.2km s-min=17.1km az=87.0.
ISC VI 25 16 10 32.0–.98 25.5N–.10 141.2E–.20 10 4.0b 21 2-85
IDC VI 25 16 10 32.2–1.1 25.35N 140.57E 0 3.6,3.6b **¶610789456**
NEIC VI 25 16 10 32.3–1.5 25.48N–.07 141.4E–.20 10–1 4.3b,3.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 25 23 52 38.2–1.6 25.5N–.20 143.1E–.40 40 4.0b 10 24-85
IDC VI 25 23 52 32.4–1.5 25.52N 143.10E 0 4.0,4.0b **¶610789469**
ISC Event type ke.
IDC Error ellipse: s-maj=59.8km s-min=20.1km az=83.0.
ISC VI 27 10 55 54.1–.89 25.4N–.10 142.3E–.30 38 4.1b 16 2-80
IDC VI 27 10 55 48.3–2.8 25.41N 142.36E 0 3.7,3.7b **¶610789569**
NEIC VI 27 10 55 50.9–1.2 25.40N–.10 142.3E–.20 10–1 4.2b,3.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(215) Mariana Islands region.

IDC I 03 12 48 38.3–1.3 21.34N 144.07E 0 3.6,3.6b ¶610236564
IDC Error ellipse: s-maj=87.2km s-min=24.2km az=95.0.
ISC I 06 16 52 59.2–.67 21.28N–.06 144.6E–.10 35 4.5b 59 6-144
IDC I 06 16 52 55.8–.68 21.31N 144.32E 0 4.2,4.2b **¶610180863**
NEIC I 06 16 52 58.4–2.6 21.41N–.08 144.9E–.20 35–2 4.7b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 08 01 27 29.3–2.9 21.5N–.20 145.8E–.90 29 3.7b 6 30-84
IDC I 08 01 27 24.9–3.0 21.51N 145.80E 0 3.8,3.8b **¶610236931**
ISC Event type ke.
IDC Error ellipse: s-maj=136.5km s-min=22.1km az=84.0.
ISC I 08 11 41 03.8–.43 21.48N–.04 145.47E–.06 33–2 5.0b,4.0s 630 6-144
BJI I 08 11 41 02.3–.00 21.39N 145.57E 42 5.0b,4.7b **¶610049670**
MOS I 08 11 41 02.2–.81 21.43N 145.40E 35 5.2b,4.7b
NEIC I 08 11 41 06.3–1.4 21.49N–.06 145.4E–.10 47–6 5.0b,4.7b
IDC I 08 11 41 08.1–2.7 21.44N 145.46E 73–24 4.6,4.3b
ISC Event type se.
MOS Error ellipse: s-maj=9.3km s-min=4.7km az=115.4.
NEIC Event type se. Error ellipse: s-maj=16.1km s-min=8.9km az=77.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=15.0km s-min=10.4km az=81.0.
ISC I 08 11 45 32.0–1.1 21.4N–.20 145.8E–.30 29 3.7b 7 20-84
IDC I 08 11 45 27.6–1.1 21.47N 145.78E 0 3.7,3.7b **¶610236960**
ISC Event type ke.
IDC Error ellipse: s-maj=51.9km s-min=21.4km az=97.0.
IDC I 08 21 28 05.0–7.5 21.68N 146.21E 0 3.6,3.6b ¶610236983
IDC Error ellipse: s-maj=297.3km s-min=24.9km az=79.0.
IDC I 10 09 27 22.2–4.2 14.63N 143.57E 0 3.6,3.6b ¶610237069
IDC Error ellipse: s-maj=166.9km s-min=28.9km az=85.0.
ISC I 14 00 53 32.9–.87 21.5N–.10 145.8E–.20 29 3.9b,3.2s 20 8-92
IDC I 14 00 53 28.4–.81 21.42N 145.81E 0 4.0,4.0b **¶610087846**
ISC Event type ke.
IDC Error ellipse: s-maj=26.0km s-min=17.6km az=86.0.
IDC I 14 21 06 01.3–3.0 21.47N 145.75E 0 3.7,3.7b ¶610237386
IDC Error ellipse: s-maj=145.0km s-min=25.1km az=86.0.
ISC I 16 03 17 06.3–.73 21.51N–.04 143.25E–.06 300–6 4.6b 461 6-150
NEIC I 16 03 17 04.2–1.5 21.50N–.07 143.2E–.10 278–5 4.6b **¶610237475**
BJI I 16 03 17 06.1–.00 21.67N 143.31E 305 4.9b,4.3b
IDC I 16 03 17 07.1–.97 21.54N 143.26E 305–9 4.8,4.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.6km s-min=9.9km az=87.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=11.0km s-min=5.8km az=76.0.
ISC I 16 16 49 23.8–1.2 21.3N–.10 143.7E–.30 35 3.6b,3.0s 12 15-84
IDC I 16 16 49 18.5–1.1 21.27N 143.86E 0 3.7,3.6b **¶610237527**
ISC Event type ke.
IDC Error ellipse: s-maj=42.0km s-min=18.5km az=83.0.
ISC I 22 02 38 54.0–1.8 16.4N–.20 148.0E–.30 35 3.7b 7 4-70
IDC I 22 02 38 49.3–2.1 16.37N 147.95E 0 3.8L,3.6 **¶610235047**
ISC Event type ke.
IDC Error ellipse: s-maj=62.8km s-min=22.4km az=92.0.
IDC I 22 12 48 23.5–2.2 19.99N 143.72E 0 3.5,3.5b ¶610235109
IDC Error ellipse: s-maj=290.2km s-min=29.8km az=109.0.
ISC I 24 00 33 04.5–.67 17.97N–.08 147.1E–.10 50 4.1b 34 5-134
IDC I 24 00 32 57.2–.74 18.00N 147.13E 0 3.9,3.9b **¶610235233**
NEIC I 24 00 33 03.0–1.3 17.8N–.10 147.1E–.20 35–2 4.5b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 26 18 21 14.1–1.2 21.4N–.20 145.7E–.30 35 3.4b 7 41-84
IDC I 26 18 21 08.8–1.3 21.46N 145.76E 0 3.3,3.3b **¶610235404**
ISC Event type ke.
IDC Error ellipse: s-maj=48.5km s-min=25.2km az=82.0.
ISC I 29 16 04 31.2–1.1 21.4N–.10 145.7E–.30 50 3.9b 23 7-84
NEIC I 29 16 04 26.6–1.5 21.55N–.10 145.9E–.30 10–2 4.2b **¶610235656**
IDC I 29 16 04 35.2–5.8 21.49N 145.57E 82–41 3.8,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=41.5km s-min=13.5km az=75.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=102.1km s-min=17.4km az=83.0.
ISC I 31 14 47 19.6–.95 21.3N–.10 145.5E–.20 35 4.0b 30 7-85
NEIC I 31 14 47 19.8–.84 21.3N–.10 145.49E–.09 35–8 4.3b **¶610235826**
IDC I 31 14 47 32.0–7.1 21.13N 145.25E 141–62 3.8,3.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.6km s-min=9.6km az=148.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=83.4km s-min=14.5km az=82.0.
ISC II 15 06 07 28.4–.72 18.41N–.09 147.0E–.20 52 3.9b,3.3s 17 5-88
IDC II 15 06 07 30.7–4.2 18.35N 146.97E 75–39 3.9,3.9L **¶610415546**
ISC Event type ke.
IDC Error ellipse: s-maj=27.7km s-min=14.7km az=87.0.
ISC II 16 15 00 58.1–.47 18.39N–.05 147.19E–.09 52 4.4b,3.5s 90 5-93
NEIC II 16 15 00 58.5–1.7 18.36N–.07 147.2E–.10 49–7 4.5b,3.5s **¶610415639**
IDC II 16 15 00 59.8–3.0 18.40N 147.09E 61–27 4.2,4.1L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.5km s-min=10.7km az=85.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=27.6km s-min=10.7km az=91.0.
IDC II 17 12 10 44.6–2.2 18.39N 147.45E 0 3.4,3.4b ¶610415691
IDC Error ellipse: s-maj=392.1km s-min=33.6km az=113.0.
ISC II 18 12 54 52.6–1.2 19.6N–.20 146.4E–.30 35 3.6b 7 24-86
IDC II 18 12 54 47.3–1.4 19.64N 146.41E 0 3.6,3.6b **¶610415760**
ISC Event type ke.
IDC Error ellipse: s-maj=40.7km s-min=31.8km az=90.0.
ISC II 19 07 28 19.1–1.0 21.5N–.20 143.6E–.40 35 3.8s,3.4b 6 22-89
IDC II 19 07 28 13.8–1.1 21.51N 143.58E 0 3.8s,3.6 **¶610415804**
ISC Event type ke.
IDC Error ellipse: s-maj=77.9km s-min=23.9km az=108.0.
ISC II 23 10 25 08.3–.30 21.63N–.04 143.14E–.07 311 4.5b 422 6-150
IDC II 23 10 25 07.5–1.0 21.62N 143.08E 303–9 4.7,4.0b **¶610239756**
NEIC II 23 10 25 08.0–1.4 21.64N–.08 143.2E–.10 302–7 4.5b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 26 16 06 55.9–1.2 15.4N–.10 148.0E–.20 29 3.5b 10 4-91
IDC II 26 16 06 51.1–1.3 15.48N 148.18E 0 3.6,3.6b **¶610385074**
ISC Event type ke.
IDC Error ellipse: s-maj=40.9km s-min=20.0km az=96.0.
ISC II 27 03 50 16.5–.53 21.74N–.07 143.5E–.10 200 4.1b 93 5-146
NEIC II 27 03 50 14.9–1.3 21.67N–.10 143.5E–.20 186–9 4.2b **¶610385091**
IDC II 27 03 50 19.9–1.6 21.88N 143.37E 222–13 4.3,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=24.1km s-min=14.5km az=86.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=15.1km s-min=11.2km az=79.0.
ISC III 01 06 08 53.6–.31 21.69N–.03 143.16E–.04 300–2 5.1b 1053 5-168
MOS III 01 06 08 51.5–.77 21.53N 143.18E 289 5.3b **¶611831932**
BJI III 01 06 08 52.6–.00 21.85N 143.01E 285 4.7b,4.6b
GCMT III 01 06 08 53.6–.50 21.73N–.05 142.92E–.04 295–2 5.2W,4.6b
NEIC III 01 06 08 53.6–1.7 21.64N–.06 143.19E–.10 294–5 5.1b,4.6b
IDC III 01 06 08 55.6–.84 21.67N 143.17E 318–7 5.3,4.6b
JMA III 01 06 08 58.6–.33 22N–2.0 143E–2.0 321–2 5.5,5.1W
ISC Event type ke. Moment Tensor Solution. NP1:ϕ_s250.21170°,δ41.45917°,λ123.54246°. NP2: ϕ_s28.71538°,δ56.50712°,λ63.98033°. Principal axes: T Plg66.9452°,Azm246.3338°; N Plg21.4592°,Azm43.7919°; P Plg8.0317°,Azm136.9716°
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. Moment Tensor Solution. s60,c74;Duration: 1ş0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.76±.04 $M_{\theta\theta}$-0.19±.07; $M_{\phi\phi}$-0.57±.06; $M_{r\theta}$-0.05±.06; $M_{\theta\phi}$-0.44±.06; $M_{\phi r}$0.07±.07; Best double couple: NP1: ϕ_s26.00000°,δ46.00000°,λ80.00000°. NP2:ϕ_s220.00000°,δ44.00000°,λ100.00000°. Principal axes: T 0.7730,Plg83.0000°,Azm221.0000°; N 0.0910,Plg7.0000°,Azm33.0000°; P -0.8620,Plg1.0000°,Azm123.0000° $M_0$0.81700×10^{17}

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. IOTO ISLANDS REGION .
ISC III 01 17 27 53.7–10 22.0N–.80 142E–3.0 35 3.4b 6 23-62
IDC III 01 17 27 49.3–7.6 21.91N 142.12E 0 3.5,3.5b **¶610545334**
ISC Event type ke.
IDC Error ellipse: s-maj=319.5km s-min=22.3km az=75.0.
ISC III 02 21 27 57.8–.92 21.6N–.10 143.0E–.10 300 3.7b 27 14-83
IDC III 02 21 27 55.7–6.3 21.66N 143.11E 276–61 3.8,3.1b **¶610545410**
NEIC III 02 21 27 57.4–2.0 21.6N–.10 142.9E–.10 293–11 4.0b,3.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 03 20 24 33.6–.94 21.5N–.10 144.0E–.20 200 3.3b 11 21-145
IDC III 03 20 24 36.8–6.0 21.58N 143.76E 221–57 3.7,3.1b **¶610545473**
ISC Event type ke.
IDC Error ellipse: s-maj=32.8km s-min=15.4km az=81.0.
ISC III 04 21 11 41.4–1.0 17.90N–.09 147.4E–.20 53 3.7b 25 5-88
IDC III 04 21 11 33.7–1.4 17.93N 147.56E 0 4.2L,3.6 **¶610545547**
NEIC III 04 21 11 36.9–1.2 17.98N–.06 147.4E–.20 10–2 4.0b,3.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 05 17 50 55.0–2.6 21.8N–.20 144.0E–.80 35 3.9b 8 5-83
IDC III 05 17 50 50.1–2.9 21.83N 143.90E 0 4.0L,3.8 **¶610545600**
ISC Event type ke.
IDC Error ellipse: s-maj=128.3km s-min=18.8km az=80.0.
ISC III 05 22 16 24.8–1.1 15.5N–.20 147.8E–.40 29 3.7b 8 18-96
IDC III 05 22 16 20.3–1.1 15.53N 147.76E 0 3.9b,3.8 **¶610545614**
ISC Event type ke.
IDC Error ellipse: s-maj=55.4km s-min=23.2km az=103.0.
IDC III 07 07 56 21.4–2.0 18.72N 148.15E 0 3.2,3.2b
¶610545714
IDC Error ellipse: s-maj=356.4km s-min=30.4km az=113.0.
ISC III 11 21 22 18.0–1.1 21.6N–.10 143.0E–.30 311 3.1b 12 5-146
IDC III 11 21 22 17.6–2.2 21.62N 142.99E 305–20 4.0,3.0b **¶610546036**
ISC Event type ke.
IDC Error ellipse: s-maj=44.7km s-min=17.9km az=86.0.
ISC III 12 14 05 52.9–.58 21.66N–.04 143.15E–.07 306–5 4.5b 542 5-150
IDC III 12 14 05 53.2–.97 21.63N 143.20E 310–8 4.8,4.1b **¶611832031**
NEIC III 12 14 05 54.4–1.4 21.61N–.07 143.17E–.07 316–6 4.4b,4.1b
ISC Event type se. Moment Tensor Solution. NP1:ϕs145.60428°,δ14.34105°,λ-17.87944°. NP2: ϕs252.96053°,δ85.63870°,λ-103.67506°. Principal axes: T Plg39.1461°,Azm355.4086° ; N Plg13.6347°,Azm254.0205°; P Plg47.6331°,Azm148.5970°
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 14 08 40 45.5–.77 21.7N–.10 144.4E–.20 114 3.8b 17 21-84
IDC III 14 08 40 50.8–6.6 21.69N 144.30E 164–62 3.9,3.5b **¶610546191**
ISC Event type ke.
IDC Error ellipse: s-maj=23.1km s-min=12.3km az=85.0.
IDC III 17 11 28 47.7–6.5 21.99N 143.56E 0 3.7,3.7b
¶610546382
IDC Error ellipse: s-maj=264.1km s-min=23.2km az=76.0.
ISC III 20 15 09 57.7–.93 21.7N–.10 143.1E–.20 311 3.2b 12 5-83
IDC III 20 15 09 57.0–2.0 21.64N 143.17E 305–19 3.6,2.9b **¶610543338**
ISC Event type ke.
IDC Error ellipse: s-maj=30.1km s-min=13.8km az=95.0.
ISC III 28 03 26 37.5–.99 21.7N–.20 143.1E–.30 311 3.2b 8 42-146
IDC III 28 03 26 33.5–11 21.74N 143.05E 268–108 3.7,3.1b **¶610543828**
ISC Event type ke.
IDC Error ellipse: s-maj=37.4km s-min=22.4km az=87.0.
ISC III 28 03 39 29.5–1.0 21.8N–.20 143.0E–.30 200 3.2b 7 42-146
IDC III 28 03 39 31.6–11 21.76N 143.02E 220–108 3.5,3.0b **¶610543829**
ISC Event type ke.
IDC Error ellipse: s-maj=39.3km s-min=22.2km az=88.0.
IDC III 29 14 14 06.7–5.0 19.53N 143.95E 0 3.7,3.7b
¶610543937
IDC Error ellipse: s-maj=140.9km s-min=48.2km az=8.0.
IDC III 30 15 23 20.9–10 21.41N 142.84E 0 3.3,3.3b
¶610543999
IDC Error ellipse: s-maj=395.2km s-min=34.2km az=74.0.
ISC III 31 03 15 21.1–.61 16.39N–.08 148.46E–.09 35 4.2b 39 4-145
NEIC III 31 03 15 17.7–1.7 16.4N–.10 148.5E–.10 10–1 4.4b **¶610544024**
IDC III 31 03 15 17.1–.93 16.60N 148.56E 0 3.9,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.5km s-min=16.3km az=137.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=31.5km s-min=18.7km az=95.0.
ISC III 31 17 47 53.2–1.2 21.7N–.10 143.4E–.30 300 3.1b 13 5-141
IDC III 31 17 47 52.2–2.0 21.68N 143.36E 289–20 3.7,3.0b **¶610544066**
ISC Event type ke.
IDC Error ellipse: s-maj=40.1km s-min=13.6km az=82.0.
ISC IV 04 04 42 50.7–.92 21.9N–.10 144.4E–.30 69 3.4b 8 21-145
IDC IV 04 04 42 41.8–.95 21.84N 144.56E 0 3.6,3.5b **¶610651890**
ISC Event type ke.
IDC Error ellipse: s-maj=44.3km s-min=21.6km az=93.0.
ISC IV 06 04 38 37.1–.46 21.67N–.05 143.10E–.10 311 4.2b 78 5-150
IDC IV 06 04 38 35.8–1.4 21.65N 143.09E 296–13 4.2,3.5b **¶610652049**
JMA IV 06 04 38 35.7–.34 22N–2.0 144E–4.0 317 4.6,3.5b
NEIC IV 06 04 38 37.4–1.7 21.69N–.09 143.0E–.20 306–8 4.3b,3.5b
ISC Event type se.
JMA Event type ke. MARIANA ISLANDS REGION .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 06 10 46 20.3–1.2 21.6N–.10 142.7E–.50 300 3.2b 7 6-83
IDC IV 06 10 46 21.0–2.4 21.64N 142.70E 308–23 3.6,2.8b **¶610652068**
ISC Event type ke.
IDC Error ellipse: s-maj=68.3km s-min=17.5km az=96.0.
ISC IV 06 20 07 19.3–1.3 21.8N–.20 143.5E–.40 35 3.8b 6 42-83
IDC IV 06 20 07 13.9–1.4 21.82N 143.56E 0 3.8,3.8b **¶610652103**
ISC Event type ke.
IDC Error ellipse: s-maj=57.3km s-min=28.0km az=86.0.
ISC IV 08 02 04 48.3–1.1 21.7N–.10 142.8E–.40 311 3.5b 9 5-83
IDC IV 08 02 04 47.3–2.3 21.67N 142.88E 302–22 3.9,3.2b **¶610652197**
ISC Event type ke.
IDC Error ellipse: s-maj=50.2km s-min=16.6km az=101.0.
ISC IV 09 03 29 35.2–.95 21.6N–.10 145.3E–.30 44 3.7b 16 6-148
IDC IV 09 03 29 28.0–1.0 21.53N 145.60E 0 4.1L,3.8 **¶610652274**
ISC Event type ke.
IDC Error ellipse: s-maj=41.7km s-min=18.9km az=78.0.
ISC IV 12 11 22 37.2–4.4 20.0N–.80 143.6E–.40 35 3.7b 6 22-85
IDC IV 12 11 22 31.1–4.4 19.82N 143.62E 0 3.8,3.7b **¶610652550**
ISC Event type ke.
IDC Error ellipse: s-maj=128.5km s-min=49.6km az=14.0.
ISC IV 14 16 45 35.4–1.0 21.5N–.10 143.3E–.20 300 2.8b 10 6-83
IDC IV 14 16 45 36.0–2.2 21.58N 143.27E 305–21 3.5,2.7b **¶610652743**
ISC Event type ke.
IDC Error ellipse: s-maj=29.4km s-min=16.8km az=102.0.
ISC IV 16 16 12 37.5–2.4 21.6N–.10 143.1E–.60 311 3.1b 7 6-63
IDC IV 16 16 12 37.3–2.3 21.56N 142.85E 299–36 3.6,2.8b **¶610652876**
ISC Event type ke.
IDC Error ellipse: s-maj=118.9km s-min=18.6km az=78.0.
ISC IV 17 05 54 48.6–.76 14.7N–.10 147.7E–.10 10 4.7s,4.4b 29 3-91
IDC IV 17 05 54 46.9–.86 14.78N 147.80E 0 4.6s,4.0 **¶610652914**
NEIC IV 17 05 54 49.6–2.1 14.64N–.06 147.6E–.10 10–1 4.6b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 17 08 47 26.8–.66 21.57N–.07 143.1E–.10 311 3.5b 35 5-150
JMA IV 17 08 47 26.8–.34 22N–1.0 143E–3.0 311–1 4.7 **¶610652920**
IDC IV 17 08 47 26.9–1.4 21.57N 143.11E 312–14 4.1,3.3b
ISC Event type ke.
JMA Event type ke. MARIANA ISLANDS REGION .
IDC Error ellipse: s-maj=17.3km s-min=10.1km az=86.0.
IDC IV 20 20 46 21.6–3.6 21.70N 145.88E 0 3.6,3.6b
¶610653133
IDC Error ellipse: s-maj=159.4km s-min=30.0km az=83.0.
ISC IV 21 00 22 14.7–.90 20.7N–.20 146.4E–.20 35 3.6s,3.5b 10 23-147
IDC IV 21 00 22 09.6–.89 20.77N 146.37E 0 3.6s,3.6 **¶610653145**
ISC Event type ke.
IDC Error ellipse: s-maj=32.1km s-min=23.0km az=95.0.
ISC IV 30 21 32 51.2–1.9 14.7N–.20 147.7E–.20 10 3.6b 6 3-63
IDC IV 30 21 32 49.9–2.2 14.73N 147.69E 0 4.7L,3.9 **¶610650451**
ISC Event type ke.
IDC Error ellipse: s-maj=44.3km s-min=32.0km az=85.0.
ISC V 03 00 56 00.2–.85 21.5N–.10 143.1E–.20 311 3.4b 16 6-150
IDC V 03 00 56 00.3–1.9 21.55N 143.08E 310–17 4.1,3.2b **¶610689422**
ISC Event type ke.
IDC Error ellipse: s-maj=21.6km s-min=12.5km az=88.0.
ISC V 06 02 42 17.0–.49 21.62N–.04 143.10E–.06 302–4 4.6b 519 5-168
MOS V 06 02 42 15.8–.92 21.61N 143.02E 299 4.7b **¶610613144**
NEIC V 06 02 42 18.1–1.3 21.66N–.08 143.03E–.03 303–6 4.6b
IDC V 06 02 42 18.1–1.4 21.59N 143.07E 309–14 4.7,4.0b
JMA V 06 02 42 19.9–.32 22N–2.0 143E–2.0 317–2 4.9,4.0b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. MARIANA ISLANDS REGION .
IDC V 06 04 28 37.6–3.3 21.69N 143.21E 299–31 3.8,3.0b
¶610689645
IDC Error ellipse: s-maj=81.9km s-min=25.6km az=98.0.
IDC V 07 16 24 20.8–2.9 20.90N 146.28E 0 3.6,3.6b
¶610689737
IDC Error ellipse: s-maj=113.4km s-min=24.8km az=79.0.
ISC V 09 09 50 03.0–.68 21.97N–.08 143.5E–.10 200 3.8b 26 5-150
IDC V 09 09 50 02.7–2.0 21.94N 143.29E 196–19 4.1,3.5b **¶610689890**
JMA V 09 09 50 05.0–.32 22N–1.0 143E–2.0 191 4.1,3.5b
ISC Event type ke.
JMA Event type ke. IOTO ISLANDS REGION .
ISC V 11 02 34 17.3–1.1 18.51N–.09 147.4E–.20 35 3.8b 17 5-146
IDC V 11 02 34 11.8–1.1 18.58N 147.64E 0 3.9,3.9b **¶610690014**
ISC Event type ke.
IDC Error ellipse: s-maj=38.6km s-min=17.9km az=85.0.
IDC V 11 12 21 48.0–3.1 21.65N 143.40E 288–32 3.7,2.9b
¶610690048
IDC Error ellipse: s-maj=84.1km s-min=17.3km az=96.0.
IDC V 14 20 24 54.5–5.8 18.90N 147.15E 0 3.5,3.5b
¶610690297
IDC Error ellipse: s-maj=366.6km s-min=37.0km az=92.0.
ISC V 17 02 12 11.5–.68 21.69N–.04 143.03E–.06 306–6 4.5b 544 5-161
BJI V 17 02 12 09.4–.00 21.88N 142.72E 268 4.5b,4.4b **¶610641723**
NEIC V 17 02 12 10.7–1.6 21.68N–.08 143.0E–.10 293–5 4.6b,4.4b
IDC V 17 02 12 11.1–1.1 21.64N 142.96E 301–10 4.8,4.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.9km s-min=11.0km az=91.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=10.3km s-min=7.1km az=84.0.
IDC V 18 08 37 56.6–8.0 16.07N 147.14E 100–81 3.5,3.1L
¶610690572
IDC Error ellipse: s-maj=192.2km s-min=31.5km az=112.0.
ISC V 20 16 50 52.5–1.2 21.7N–.10 143.1E–.30 311 3.1b 9 5-83
IDC V 20 16 50 51.5–2.1 21.61N 143.15E 300–22 3.6,2.8b **¶610685039**
ISC Event type ke.
IDC Error ellipse: s-maj=37.7km s-min=16.3km az=89.0.
ISC V 26 04 25 57.6–1.0 21.6N–.10 143.0E–.30 311 3.2b 9 6-146
IDC V 26 04 25 58.4–2.0 21.65N 142.91E 319–19 3.9,3.1b **¶610685407**
ISC Event type ke.
IDC Error ellipse: s-maj=42.1km s-min=15.1km az=92.0.
ISC V 31 20 35 26.1–1.0 21.2N–.10 144.3E–.20 30 3.9b,3.1s 12 16-145
IDC V 31 20 35 36.0–6.3 21.22N 144.05E 119–58 3.8,3.4b **¶610685817**
ISC Event type ke.
IDC Error ellipse: s-maj=33.6km s-min=14.8km az=90.0.
ISC V 31 20 50 49.7–.60 21.27N–.07 143.5E–.20 35 4.5b,3.2s 62 6-150
NEIC V 31 20 50 47.3–3.0 21.31N–.08 143.37E–.08 10–1 4.6b,3.2s **¶610685818**
IDC V 31 20 50 56.1–5.9 21.28N 143.77E 105–53 3.9,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.9km s-min=5.8km az=41.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=28.5km s-min=14.6km az=94.0.
ISC V 31 21 24 47.8–.84 21.1N–.10 143.4E–.20 150 3.8b 17 16-145
IDC V 31 21 24 48.9–5.6 21.12N 143.35E 159–53 3.9,3.5b **¶610685822**
ISC Event type ke.
IDC Error ellipse: s-maj=24.4km s-min=12.9km az=90.0.
ISC VI 08 21 24 16.7–.57 18.51N–.06 147.1E–.10 52 4.2b,3.5s 40 5-88
NEIC VI 08 21 24 13.7–1.4 18.52N–.08 147.2E–.10 22–5 4.3b,3.5s **¶610791482**
IDC VI 08 21 24 17.2–3.4 18.49N 147.10E 56–30 4.0,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.1km s-min=10.4km az=103.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=28.8km s-min=12.4km az=87.0.
ISC VI 08 23 23 46.8–.42 18.53N–.03 147.07E–.04 42–3 5.4b,5.0s 1443 5-156
BJI VI 08 23 23 39.2–.00 18.27N 147.09E 10 5.2b,5.2s **¶616640004**
DJA VI 08 23 23 41.8–.30 18N–4.0 147E–5.0 10 5.9b,5.8
KLM VI 08 23 23 41 18.41N 147.52E 10 5.6b,5.8
NEIC VI 08 23 23 43.8 18.50N 147.57E 20 5.6b,5.8
NEIC VI 08 23 23 43.7–1.1 18.50N–.04 147.10E–.07 17–3 5.5b,5.4
MOS VI 08 23 23 43.1–.79 18.46N 147.05E 28 5.6b,5.0s
NEIC VI 08 23 23 43.2 18.50N 147.05E 8 5.6b,5.0s
NEIC VI 08 23 23 43.8 18.50N 147.04E 20 5.6b,5.0s
GCMT VI 08 23 23 46.7–.10 18.55N–.01 147.31E–.01 23–0 5.4W,5.0s
IDC VI 08 23 23 48.5–.98 18.50N 147.03E 56–8 5.0s,5.0
ISC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2s5 Moment tensor: Scale 10^{17}Nm; M_{rr}0.25 $M_{\theta\theta}$-1.01 $M_{\phi\phi}$0.76 $M_{r\theta}$-0.40 $M_{\theta\phi}$0.01 $M_{\phi r}$1.26 NP1:ϕs319.40000°,δ83.30000° ,λ127.60000°. NP2:ϕs58.02000°,δ38.11000°,λ10.90000°. Principal axes: T 1.8093,Plg40.0000°,Azm264.0000°; N -0.5606,Plg37.0000°,Azm134.0000° ; P -1.2487,Plg28.0000°,Azm20.0000° $M_0$1.53000×10^{17}
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=4.2km az=122.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.60 $M_{\theta\theta}$-0.96 $M_{\phi\phi}$0.36 $M_{r\theta}$-0.84 $M_{\theta\phi}$0.20 $M_{\phi r}$0.92 NP1:ϕs66.14000°,δ28.00000°,λ28.28000°. NP2:ϕs310.73000°,δ77.15000° ,λ115.09000°. Principal axes: T 1.5194,Plg51.0000°,Azm249.0000°; N -0.0055,Plg24.0000° ,Azm125.0000°; P -1.5139,Plg28.0000°,Azm21.0000° $M_0$1.52000×10^{17}
MOS Error ellipse: s-maj=6.4km s-min=3.8km az=114.3.
NEIC Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s108,c174; s148,c285;Duration: 1s3 Moment tensor: Scale 10^{17}Nm; M_{rr}0.38±.02 $M_{\theta\theta}$-1.24±.02; $M_{\phi\phi}$0.85±.02; $M_{r\theta}$-0.91±.05; $M_{\theta\phi}$0.12±.01; $M_{\phi r}$0.97±.05; Best double couple: NP1:ϕs312.00000°,δ82.00000°,λ127.00000°. NP2:ϕs53.00000°,δ38.00000°,λ13.00000°. Principal axes: T 1.7010,Plg41.0000° ,Azm257.0000°; N 0.0550,Plg37.0000°,Azm127.0000°; P -1.7570,Plg28.0000°,Azm14.0000° $M_0$1.72900×10^{17}
IDC Error ellipse: s-maj=8.5km s-min=6.1km az=85.0.
ISC VI 08 23 33 00.8–2.2 21.6N–.20 142.9E–.70 311 3.7b 7 20-83
IDC VI 08 23 33 00.7–8.1 21.60N 142.94E 310–76 3.9,3.2b **¶610791488**
ISC Event type ke.

IDC Error ellipse: s-maj=86.6km s-min=23.4km az=83.0.
ISC VI 08 23 35 19.7–3.5 18.5N–.20 147E–1.0 52 3.7b 6 19-88
IDC VI 08 23 35 12.7–4.0 18.50N 147.19E 0 3.7,3.7b ¶610791489
ISC Event type ke.
IDC Error ellipse: s-maj=163.2km s-min=26.5km az=83.0.
ISC VI 09 19 38 07.1–.66 21.56N–.08 143.1E–.20 311 3.5b 20 6-83
IDC VI 09 19 38 08.9–1.7 21.61N 143.12E 327–17 4.1,3.3b ¶610791552
ISC Event type ke.
IDC Error ellipse: s-maj=24.0km s-min=11.8km az=80.0.
IDC VI 11 07 50 45.8–6.2 19.21N 147.10E 0 3.5,3.5b
¶610791643
IDC Error ellipse: s-maj=394.2km s-min=37.3km az=92.0.
IDC VI 15 10 23 08.3–4.2 17.83N 143.72E 0 3.6,3.6b
¶610791937
IDC Error ellipse: s-maj=237.1km s-min=28.3km az=87.0.
ISC VI 15 18 00 24.2–.65 15.08N–.09 147.41E–.09 18 4.2b 42 3-91
IDC VI 15 18 00 22.8–.99 15.19N 147.30E 0 3.8,3.8b ¶610791954
NEIC VI 15 18 00 23.6–2.2 15.1N–.10 147.4E–.10 10–1 4.4b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VI 17 16 46 24.0–5.5 20.42N 147.39E 0 3.6,3.6b
¶610792070
IDC Error ellipse: s-maj=346.1km s-min=37.0km az=92.0.
ISC VI 20 16 52 16.7–.47 21.66N–.06 143.01E–.10 311 3.9b 89 5-150
NEIC VI 20 16 52 16.6–1.1 21.63N–.08 143.0E–.10 305–8 4.0b ¶610789165
IDC VI 20 16 52 16.2–1.7 21.65N 143.10E 307–17 4.2,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.2km s-min=5.7km az=120.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=16.5km s-min=9.4km az=83.0.
IDC VI 22 15 36 26.0–1.6 14.62N 143.42E 0 3.4,3.4b
¶610789281
IDC Error ellipse: s-maj=44.9km s-min=22.1km az=43.0.
IDC VI 22 18 37 27.8–2.2 17.26N 141.23E 0 3.9L,3.5
¶610789290
IDC Error ellipse: s-maj=61.6km s-min=27.0km az=56.0.
IDC VI 28 23 05 24.8–1.7 20.18N 146.23E 0 3.6,3.6b
¶610789675
IDC Error ellipse: s-maj=51.6km s-min=31.7km az=85.0.
IDC VI 30 10 11 21.7–2.1 20.32N 143.62E 0 3.5,3.5b
¶610789778
IDC Error ellipse: s-maj=292.3km s-min=24.0km az=109.0.

(216) Mariana Islands.

ISC I 02 04 36 04.9–2.5 19.0N–.20 145.9E–.70 109 3.9b 8 32-87
IDC I 02 04 36 12.1–11 18.96N 145.88E 177–106 3.9,3.5b ¶610236441
ISC Event type ke.
IDC Error ellipse: s-maj=83.4km s-min=25.4km az=84.0.
ISC I 02 07 18 14.7–6.6 14N–1.0 146.0E–.30 50 4.1b 7 20-92
IDC I 02 07 18 05.9–7.3 13.23N 146.04E 0 3.9,3.9b ¶610236447
ISC Event type ke.
IDC Error ellipse: s-maj=207.0km s-min=38.2km az=179.0.
ISC I 02 18 47 45.1–1.0 18.77N–.09 145.5E–.30 200 3.5b 14 5-73
NEIC I 02 18 47 43.7–1.6 18.8N–.10 145.5E–.30 186–12 3.8b ¶610236500
IDC I 02 18 47 46.6–7.7 18.70N 145.18E 197–32 3.6,2.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=44.8km s-min=16.4km az=97.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=218.8km s-min=28.6km az=79.0.
ISC I 03 12 37 28.6–1.3 14.9N–.10 145.5E–.30 35 3.7b 19 1-76
IDC I 03 12 37 24.3–1.5 15.06N 145.61E 0 3.5,3.5b ¶610236562
NEIC I 03 12 37 30.4–1.8 14.79N–.06 144.64E–.09 18–1 3.9b,3.5L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 04 04 45 31.9–1.2 18.9N–.20 146.0E–.30 109 3.5b 8 19-87
IDC I 04 04 45 42.2–7.2 18.93N 145.84E 207–68 3.7,3.2b ¶610236670
ISC Event type ke.
IDC Error ellipse: s-maj=43.9km s-min=20.2km az=94.0.
ISC I 05 22 47 19.0–.70 17.70N–.07 145.6E–.10 182 3.7b 24 4-79
IDC I 05 22 47 17.2–2.5 17.67N 145.86E 176–26 3.7,3.2b ¶610236799
NEIC I 05 22 47 19.8–1.6 17.68N–.10 145.63E–.09 182–10 4.2b,3.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 06 19 19 38.2–.97 13.2N–.10 145.9E–.10 50 3.6b 13 1-92
IDC I 06 19 19 31.3–1.0 13.24N 145.97E 0 3.5,3.5b ¶610236851
ISC Event type ke.
IDC Error ellipse: s-maj=22.0km s-min=20.9km az=16.0.
ISC I 07 04 34 20.5–.40 18.62N–.05 145.60E–.10 200 4.4b 78 5-148
NEIC I 07 04 34 20.6–.87 18.65N–.08 145.6E–.10 194–6 4.5b ¶610236872
IDC I 07 04 34 21.0–1.7 18.60N 145.54E 207–17 4.3,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.2km s-min=11.8km az=94.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=17.2km s-min=9.4km az=80.0.
IDC I 07 11 33 43.3–1.3 13.20N 145.71E 0 3.3,3.3b
¶610236895
IDC Error ellipse: s-maj=66.2km s-min=26.4km az=104.0.
ISC I 07 23 47 45.0–.82 13.1N–.10 145.1E–.20 35 3.5b 11 1-83
IDC I 07 23 47 40.6–1.2 13.12N 145.26E 0 3.4,3.4b ¶610236930
NEIC I 07 23 47 44.2–2.9 12.98N–.07 145.0E–.10 34–7 3.9b,3.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 09 09 44 15.3–.43 18.76N–.05 145.5E–.10 214 4.3b 120 5-88
NEIC I 09 09 44 14.8–1.3 18.78N–.07 145.6E–.20 201–8 4.5b ¶610237018
IDC I 09 09 44 16.2–1.6 18.80N 145.48E 222–15 4.3,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.8km s-min=10.5km az=88.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=13.7km s-min=8.6km az=95.0.
ISC I 10 06 49 33.0–.55 13.6N–.10 144.6E–.10 150 4.3b 43 0-147
NEIC I 10 06 49 23.5–2.7 15.17N–.10 144.65E–.08 10–1 4.7b ¶610074526
IDC I 10 06 49 32.2–.37 13.70N 144.63E 134–3 4.4,4.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.1km s-min=12.4km az=179.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=18.1km s-min=12.1km az=86.0.
ISC I 10 10 01 35.6–.25 14.60N–.04 144.30E–.04 27 5.1b,5.1s 556 1-155
BJI I 10 10 01 30.5–.00 14.84N 144.50E 10 5.5b,5.3s ¶610051540
IDC I 10 10 01 31.4–.46 14.70N 144.32E 0 4.9s,4.6
DJA I 10 10 01 32.8–.30 15N–4.0 144E–5.0 10 5.8b,5.3
MOS I 10 10 01 32.7–.95 14.66N 144.22E 21 5.2b,5.0s
NEIC I 10 10 01 33.1–1.7 14.69N–.08 144.34E–.09 10–1 5.7,5.2b
KLM I 10 10 01 36 14.64N 144.57E 39 5.2b,5.2b
GCMT I 10 10 01 38.1–.30 14.53N–.03 144.12E–.02 20–1 5.8W,5.2b
NEIC I 10 10 01 40 14.59N 144.24E 16 5.8W,5.2b
ISC Event type se.
IDC Error ellipse: s-maj=18.8km s-min=10.2km az=73.0.
MOS Error ellipse: s-maj=10.7km s-min=4.8km az=116.7.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=13.7km az=247.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s24,c25; s109,c182;Duration: 1§9 Moment tensor: Scale 10^{17}Nm; M_{rr}-6.10±.39 $M_{\theta\theta}$1.40±.20; $M_{\phi\phi}$4.71±.24; $M_{r\theta}$-0.92±.53; $M_{\theta\phi}$0.71±.13; $M_{\phi r}$0.44±.39; Best double couple: NP1:ϕ_s184.00000°,δ47.00000°,λ-100.00000°. NP2:ϕ_s19.00000°,δ44.00000°,λ-79.00000°. Principal axes: T 4.8620,Plg1.0000° ,Azm281.0000°; N 1.3830,Plg7.0000°,Azm191.0000°; P -6.2350,Plg82.0000°,Azm21.0000° $M_0$5.54900×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 14§0 Moment tensor: Scale 10^{17}Nm; M_{rr}-4.28 $M_{\theta\theta}$0.62 $M_{\phi\phi}$3.66 $M_{r\theta}$-0.72 $M_{\theta\phi}$0.85 $M_{\phi r}$0.37 NP1:ϕ_s24.00000°,δ44.00000° ,λ-76.00000°. NP2:ϕ_s185.00000°,δ47.00000°,λ-102.00000°. Principal axes: T 3.8874,Plg1.0000°,Azm284.0000°; N 0.5269,Plg9.0000°,Azm194.0000° ; P -4.4143,Plg81.0000°,Azm22.0000° $M_0$4.18000×10^{17}
ISC I 10 12 54 56.0–.53 18.45N–.06 145.6E–.10 200 4.2b 56 5-88
NEIC I 10 12 54 56.2–2.3 18.41N–.07 145.6E–.20 199–8 4.4b ¶610237082
IDC I 10 12 54 57.5–3.9 18.34N 146.34E 198–30 3.5,2.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=22.5km s-min=10.5km az=83.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=271.5km s-min=25.6km az=111.0.
ISC I 10 13 48 37.6–.77 14.76N–.09 144.5E–.20 22 4.3b 23 1-82
IDC I 10 13 48 34.5–1.1 14.74N 144.40E 0 3.8,3.8b ¶610237084
NEIC I 10 13 48 36.3–1.0 14.78N–.04 144.49E–.08 10–1 4.5b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC I 10 13 53 46.3–1.8 14.64N 144.27E 0 3.6s,3.4
¶610237085
IDC Error ellipse: s-maj=79.4km s-min=18.7km az=60.0.
ISC I 11 19 52 24.4–.76 18.65N–.07 145.5E–.20 200 3.9b 31 5-87
NEIC I 11 19 52 23.7–1.7 18.71N–.05 145.5E–.30 182–11 4.1b ¶610237187
IDC I 11 19 52 25.6–3.2 18.65N 145.74E 212–30 3.8,3.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=39.0km s-min=5.2km az=98.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=32.7km s-min=15.2km az=89.0.
ISC I 12 06 18 50.9–1.1 20.7N–.20 144.7E–.20 100 3.6b 8 21-83
IDC I 12 06 18 48.3–14 20.75N 144.71E 75–138 3.7,3.4b ¶610237225
ISC Event type ke.
IDC Error ellipse: s-maj=52.1km s-min=22.0km az=94.0.
ISC I 12 11 35 55.6–.48 18.88N–.06 145.7E–.10 150 4.2b 92 5-90
NEIC I 12 11 35 55.0–1.0 18.90N–.09 145.6E–.20 140–5 4.3b ¶610237237
IDC I 12 11 35 56.3–2.5 18.91N 145.83E 157–25 4.0,3.5s
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.4km s-min=13.2km az=101.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=23.2km s-min=15.0km az=90.0.
ISC I 15 10 20 36.7–1.0 19.6N–.20 145.4E–.30 147 3.2b 7 18-83
IDC I 15 10 20 35.8–16 19.61N 145.48E 140–164 3.5,3.0b ¶610237431
ISC Event type ke.
IDC Error ellipse: s-maj=80.9km s-min=18.6km az=99.0.
ISC I 15 14 58 47.4–.90 20.3N–.10 144.3E–.20 10 3.6b 15 17-88
IDC I 15 14 58 45.9–.91 20.17N 144.35E 0 3.6,3.6b ¶610237443
ISC Event type ke.
IDC Error ellipse: s-maj=29.5km s-min=22.7km az=82.0.
ISC I 15 22 13 40.1–.57 19.01N–.09 145.3E–.10 214 4.2b 71 18-148
IDC I 15 22 13 39.0–6.1 19.02N 145.26E 203–58 3.9,3.7s ¶610237459
NEIC I 15 22 13 48.7–1.1 19.0N–.10 145.3E–.10 296–7 4.1b,3.7s
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 16 06 14 48.8–.48 13.74N–.09 144.5E–.10 129 4.3b 91 0-148
IDC I 16 06 14 49.4–.34 13.76N 144.64E 138–3 4.1,3.7b ¶610237489
NEIC I 16 06 14 50.3–1.4 13.7N–.10 144.5E–.10 138–5 4.4b,3.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 17 00 54 09.6–.53 18.93N–.07 144.8E–.10 10 4.4b 37 5-84
IDC I 17 00 54 07.9–.73 18.86N 144.87E 0 3.9,3.9b ¶610237553
NEIC I 17 00 54 11.2–1.2 18.97N–.04 144.9E–.20 18–5 4.5b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 17 05 52 10.0–3.6 18.4N–.20 146.2E–.90 300 3.4b 6 5-87
IDC I 17 05 52 08.5–12 18.50N 146.36E 282–132 4.0,3.2b ¶610237572
ISC Event type ke.
IDC Error ellipse: s-maj=228.3km s-min=79.1km az=52.0.
ISC I 17 13 27 25.1–.93 17.9N–.20 145.8E–.50 150 3.3b 8 4-84
IDC I 17 13 27 25.5–3.2 17.87N 145.80E 155–31 3.6,3.0b ¶610237600
ISC Event type ke.
IDC Error ellipse: s-maj=78.4km s-min=22.9km az=110.0.
ISC I 17 19 52 30.9–.96 20.8N–.20 144.7E–.20 100 3.5b 10 21-83
IDC I 17 19 52 18.6–.90 20.79N 144.84E 0 3.6,3.6b ¶610237620
ISC Event type ke.
IDC Error ellipse: s-maj=27.5km s-min=20.3km az=92.0.
ISC I 18 00 05 03.1–.46 18.61N–.06 145.4E–.10 250 4.0b 74 5-93
IDC I 18 00 05 02.7–2.3 18.74N 145.45E 244–23 4.3,3.7b ¶610237630
NEIC I 18 00 05 03.5–1.4 18.67N–.09 145.5E–.20 245–8 4.2b,3.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 18 00 46 54.4–.73 18.0N–.10 146.7E–.20 66 4.1b 24 19-95
IDC I 18 00 46 59.2–5.7 18.01N 146.68E 110–51 4.0,3.7b ¶610237631
ISC Event type ke.
IDC Error ellipse: s-maj=26.7km s-min=13.4km az=88.0.
ISC I 18 03 44 10.5–.68 18.5N–.10 145.9E–.20 250 3.5b 15 19-148
IDC I 18 03 44 12.0–5.2 18.50N 145.60E 258–51 3.9,3.3b ¶610237639
ISC Event type ke.
IDC Error ellipse: s-maj=31.0km s-min=11.6km az=82.0.
ISC I 18 05 31 32.3–1.0 18.9N–.10 145.5E–.20 214 3.3b 8 19-87
IDC I 18 05 31 40.5–6.1 18.85N 145.43E 297–63 3.7,3.0b ¶610237644
ISC Event type ke.
IDC Error ellipse: s-maj=35.7km s-min=16.0km az=90.0.
ISC I 19 17 29 45.0–.43 18.60N–.04 145.55E–.07 209–4 4.6b 241 5-148
IDC I 19 17 29 44.0–.45 18.56N 145.61E 202–4 4.5,4.0b ¶610101976
DJA I 19 17 29 43.1–1.2 19N–6.0 146E–12 198–9 5.2,5.1
NEIC I 19 17 29 46.9–1.7 18.53N–.07 145.6E–.10 224–7 4.6b,5.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 22 03 11 01.4–.90 19.0N–.10 145.3E–.30 550 2.8b 9 19-148
IDC I 22 03 11 03.9–5.0 19.01N 145.17E 575–62 3.5,2.5b ¶610235052
ISC Event type ke.
IDC Error ellipse: s-maj=41.1km s-min=17.6km az=90.0.
IDC I 22 16 03 22.5–4.3 18.34N 144.08E 112–77 3.9L,3.7
¶610235122
IDC Error ellipse: s-maj=331.6km s-min=29.0km az=81.0.
ISC I 22 21 40 14.9–.49 13.35N–.09 144.59E–.08 129 4.2b 81 0-148
IDC I 22 21 40 13.1–.71 13.30N 144.68E 112–3 3.9,3.6b ¶610235141
NEIC I 22 21 40 14.4–1.1 13.35N–.10 144.5E–.10 114–5 4.4b,3.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 24 07 52 04.1–.81 18.6N–.10 145.7E–.20 250 3.3b 18 17-78
IDC I 24 07 52 03.0–14 18.68N 145.69E 232–145 3.6,3.0b ¶610235251
NEIC I 24 07 52 04.0–2.0 18.61N–.10 145.6E–.20 248–11 4.1b,3.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC I 25 08 44 35.0–1.1 13.4N–.20 144.2E–.20 142 3.6b 6 1-64
IDC I 25 08 44 34.0–4.3 13.34N 143.85E 120–80 3.5,3.2b ¶610235312
ISC Event type ke.
IDC Error ellipse: s-maj=152.4km s-min=23.2km az=84.0.
ISC I 25 23 54 45.1–1.3 20.3N–.20 145.6E–.30 81 3.3b 6 17-85
IDC I 25 23 54 34.7–1.4 20.31N 145.70E 0 3.3,3.3b ¶610235351
ISC Event type ke.
IDC Error ellipse: s-maj=57.1km s-min=25.2km az=88.0.
ISC I 26 18 33 51.1–.53 18.24N–.07 145.51E–.10 250 4.1b 54 5-84
NEIC I 26 18 33 51.1–1.1 18.15N–.10 145.5E–.10 243–9 4.3b ¶610235406
IDC I 26 18 33 54.5–1.9 18.14N 145.64E 288–18 3.8,3.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.1km s-min=13.8km az=102.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=23.7km s-min=13.4km az=85.0.
ISC I 27 07 39 17.9–.92 19.2N–.10 145.7E–.20 150 3.8b 12 8-87
IDC I 27 07 39 19.4–4.5 19.23N 145.71E 166–43 4.0,3.5b ¶610235450
ISC Event type ke.
IDC Error ellipse: s-maj=30.0km s-min=13.3km az=100.0.
ISC I 27 16 40 50.4–.74 14.4N–.10 145.0E–.20 150 4.1b 14 1-91
NEIC I 27 16 40 50.9–2.4 14.2N–.10 144.5E–.10 190–9 4.3b ¶610235487
IDC I 27 16 40 52.0–.68 14.33N 145.04E 161–4 4.0,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=22.0km s-min=18.9km az=137.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=29.2km s-min=14.5km az=89.0.
IDC I 28 23 00 49.2–1.1 14.11N 144.97E 0 3.2,3.2b ¶610235599
IDC Error ellipse: s-maj=61.2km s-min=13.5km az=100.0.
ISC I 29 04 08 12.2–.86 20.8N–.10 144.7E–.20 100 3.9b 15 7-87
IDC I 29 04 07 59.9–.76 20.75N 144.83E 0 3.9,3.9b ¶610147572
ISC Event type ke.
IDC Error ellipse: s-maj=24.7km s-min=18.5km az=105.0.
ISC I 29 13 34 33.9–.50 15.82N–.07 145.9E–.10 109 4.3b 77 2-147
IDC I 29 13 34 34.3–2.7 15.80N 145.96E 113–25 3.8,3.4b ¶610235649
NEIC I 29 13 34 34.5–1.2 15.89N–.09 145.7E–.10 110–5 4.4b,3.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 29 23 35 37.9–.47 19.29N–.04 145.46E–.07 184–4 4.8b 427 6-158
BJI I 29 23 35 35.7–.00 19.56N 145.66E 175 4.8b,4.3b ¶610147699
IDC I 29 23 35 37.5–.78 19.26N 145.48E 186–7 4.7,4.2b
NEIC I 29 23 35 38.7–1.6 19.24N–.04 145.45E–.09 186–5 4.8b,4.2b
GCMT I 29 23 35 38.7–.40 19.25N–.02 145.46E–.03 182–4 4.8W,4.2b
DJA I 29 23 35 39.4–1.0 19N–5.0 146E–6.0 203–10 5.2,5.1
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s174.14177°,δ38.29657°,λ149.81027°. NP2: ϕ_s288.68247°,δ71.84181°,λ55.68450°. Principal axes: T Plg50.8332°,Azm159.5463° ; N Plg32.3897°,Azm300.6909°; P Plg19.5472°,Azm43.7073°
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s9,c9; s85,c103;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.91±.11 $M_{\theta\theta}$0.17±.15; $M_{\phi\phi}$-1.08±.14; $M_{r\theta}$-1.78±.09; $M_{\theta\phi}$1.19±.13; $M_{\phi r}$0.28±.09; Best double couple: NP1:ϕ_s292.00000°,δ76.00000°,λ56.00000°. NP2:ϕ_s183.00000°,δ37.00000°,λ157.00000°. Principal axes: T 2.4480,Plg47.0000° ,Azm166.0000°; N -0.1300,Plg33.0000°,Azm302.0000°; P -2.3140,Plg23.0000° ,Azm48.0000° $M_0$2.38100×10^{16}
ISC I 30 21 49 04.0–.53 18.53N–.06 145.5E–.10 200 4.2b 78 5-88
NEIC I 30 21 49 04.9–1.1 18.58N–.05 145.5E–.20 202–8 4.3b ¶610235761
IDC I 30 21 49 07.6–2.6 18.43N 145.64E 236–26 4.0,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=24.7km s-min=5.2km az=100.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=24.5km s-min=10.9km az=95.0.
ISC II 01 04 55 44.9–2.7 14.7N–.30 146.0E–.40 35 4.0b 6 2-70
IDC II 01 04 55 42.8–25 15.29N 145.95E 0 3.8,3.8b ¶610414589
ISC Event type ke.
IDC Error ellipse: s-maj=675.1km s-min=55.4km az=173.0.
ISC II 01 10 09 39.2–.70 18.72N–.07 145.6E–.20 200 3.8b 22 5-87
NEIC II 01 10 09 41.9–.24 18.63N–.06 145.6E–.20 218–12 4.3b ¶610414603
IDC II 01 10 09 41.9–3.0 18.67N 145.49E 233–30 3.9,3.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=30.2km s-min=7.9km az=99.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=28.3km s-min=14.3km az=86.0.
ISC II 02 10 30 43.9–.41 19.30N–.04 145.48E–.07 185–3 4.7b 442 6-158
BJI II 02 10 30 35.6–.00 19.04N 146.09E 164 5.2b,4.6b ¶610177522
IDC II 02 10 30 42.8–1.4 19.26N 145.42E 180–13 4.8,4.3b
DJA II 02 10 30 42.9–1.3 19N–7.0 146E–12 182–10 5.5b,5.2
KLM II 02 10 30 42 19.58N 145.62E 200 5.3b,5.2
NEIC II 02 10 30 44.0–1.4 19.26N–.08 145.5E–.10 179–7 4.8b,5.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 04 15 49 28.2–2.5 18.7N–.20 146.0E–.70 250 3.2b 8 19-87
IDC II 04 15 49 29.4–5.7 18.70N 146.04E 264–58 3.6,3.0b ¶610414826
ISC Event type ke.
IDC Error ellipse: s-maj=88.0km s-min=13.5km az=84.0.
ISC II 07 01 05 08.0–.79 19.5N–.10 145.2E–.20 200 4.1b 89 17-88
IDC II 07 01 05 10.3–6.0 19.55N 145.29E 223–58 4.0,3.5b ¶610414999
NEIC II 07 01 05 10.9–1.1 19.6N–.10 145.2E–.20 223–7 4.2b,3.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 09 15 05 10.4–.85 13.3N–.10 144.2E–.10 150 3.9b 17 1-70
NEIC II 09 15 05 10.8–1.0 13.8N–.20 144.0E–.30 156–17 4.8b ¶610415179
IDC II 09 15 05 10.1–.82 13.29N 144.32E 147–34 3.8,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=42.2km s-min=25.5km az=47.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=126.5km s-min=15.7km az=81.0.
ISC II 10 11 59 49.5–.77 19.39N–.10 145.3E–.20 200 3.9b 33 8-86
NEIC II 10 11 59 50.8–.99 19.46N–.09 145.4E–.20 212–10 4.3b ¶610415233
IDC II 10 11 59 52.9–9.3 19.37N 145.35E 220–90 3.9,3.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=22.7km s-min=12.8km az=78.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=46.8km s-min=15.3km az=84.0.
IDC II 10 17 29 02.6–7.0 18.24N 144.96E 267–24 3.6,2.9b ¶610415252
IDC Error ellipse: s-maj=233.3km s-min=27.0km az=79.0.
ISC II 11 08 59 31.4–.98 18.7N–.20 145.7E–.30 35 3.5b 8 40-83
IDC II 11 08 59 26.1–1.0 18.70N 145.69E 0 3.5,3.5b ¶610415302
ISC Event type ke.
IDC Error ellipse: s-maj=37.5km s-min=23.9km az=101.0.
ISC II 12 19 53 26.0–.51 13.06N–.07 144.7E–.10 54 4.5b,3.4s 78 1-148
NEIC II 12 19 53 26.4–1.9 13.06N–.08 144.8E–.10 59–7 4.6b,3.4s ¶610208581
IDC II 12 19 53 26.1–.76 13.16N 144.63E 50–7 4.2,3.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.8km s-min=11.0km az=93.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=17.8km s-min=11.9km az=98.0.
ISC II 16 21 44 05.3–.35 18.75N–.03 145.13E–.04 357–2 5.0b 997 2-167
MOS II 16 21 44 04.4–.79 18.72N 145.11E 361 5.1b ¶611831832
NEIC II 16 21 44 05.1–1.8 18.74N–.07 145.1E–.10 346–5 5.0b
BJI II 16 21 44 05.3–.00 18.97N 145.08E 353 4.9b,4.5b
GCMT II 16 21 44 05.1–.60 18.41N–.06 145.23E–.05 355–3 5.0W,4.5b
JMA II 16 21 44 06.1–.37 19N–2.0 145E–4.0 413 4.6,4.5b
NIED II 16 21 44 06.1 18.84N 145.46E 413 4.8W,4.5b
DJA II 16 21 44 07.4–.40 19N–4.0 145E–5.0 375–3 5.4,5.3b
IDC II 16 21 44 08.1–.82 18.75N 145.04E 381–7 5.2,4.4b
ISC Event type ke. Moment Tensor Solution. NP1:ϕ_s127.61670°,δ61.75446°,λ-149.10843°. NP2: ϕ_s21.80774°,δ63.10985°,λ-32.04768°. Principal axes: T Plg0.8496°,Azm74.9798° ; N Plg49.1093°,Azm165.9610°; P Plg40.8780°,Azm344.2443°
MOS Error ellipse: s-maj=9.1km s-min=4.6km az=115.2.
NEIC Event type se. Error ellipse: s-maj=15.2km s-min=10.0km az=81.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. Moment Tensor Solution. s47,c63;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-4.33±.26 $M_{\theta\theta}$0.86±.43; $M_{\phi\phi}$3.47±.42; $M_{r\theta}$-1.64±.48; $M_{\theta\phi}$-1.81±.47; $M_{\phi r}$-0.89±.51; Best double couple: NP1: ϕ_s352.00000°,δ49.00000°,λ-62.00000°. NP2:ϕ_s134.00000°,δ48.00000°,λ-118.00000°. Principal axes: T 4.3970,Plg0.0000°,Azm63.0000°; N 0.6360,Plg21.0000°,Azm153.0000° ; P -5.0320,Plg69.0000°,Azm332.0000° $M_0$4.71400×10^{16}
JMA Event type ke. FAR FIELD .
NIED Moment Tensor Solution. s1 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.70 $M_{\theta\theta}$-0.31 $M_{\phi\phi}$2.01 $M_{r\theta}$-0.87 $M_{\theta\phi}$-0.42 $M_{\phi r}$0.09 NP1:ϕ_s146.00000°,δ54.00000°,λ-123.00000°. NP2:ϕ_s14.00000° ,δ47.00000°,λ-53.00000°. $M_0$2.11000×10^{16}
IDC Error ellipse: s-maj=8.9km s-min=6.0km az=100.0.
ISC II 17 17 45 48.7–.38 14.42N–.03 144.25E–.06 401–3 4.7b 426 1-157
BJI II 17 17 45 47.3–.00 14.41N 144.37E 408 4.8b,4.5b ¶610228677
IDC II 17 17 45 47.9–.27 14.43N 144.26E 391–2 5.0,4.2b
NEIC II 17 17 45 48.3–1.2 14.47N–.08 144.2E–.10 391–5 4.7b,4.2b
DJA II 17 17 45 52.3–.50 14N–4.0 144E–5.0 432–6 6.1,6.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 18 22 22 58.7–.43 13.39N–.04 145.89E–.05 30–2 4.9b,4.2s 357 1-155
BJI II 18 22 22 49.8–.00 13.09N 146.26E 10 5.1b,4.7b ¶610231535
DJA II 18 22 22 58.9–1.5 14N–10 146E–12 42–8 5.5b,5.2b
NEIC II 18 22 23 00.0–1.2 13.44N–.09 145.89E–.07 37–6 4.9b,5.2b
IDC II 18 22 23 01.9–1.5 13.51N 145.74E 52–12 4.5,4.3b
GCMT II 18 22 23 02.0–.30 13.36N–.03 145.98E–.03 31–0 5.2W,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s26,c29; s86,c126;Duration: 0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.77±.04 $M_{\theta\theta}$-0.18±.03; $M_{\phi\phi}$-0.58±.02; $M_{r\theta}$-0.05±.04; $M_{\theta\phi}$-0.15±.01; $M_{\phi r}$0.26±.03; Best double couple: NP1:ϕ_s10.00000°,δ55.00000°,λ81.00000°. NP2:ϕ_s205.00000°,δ36.00000°,λ102.00000°. Principal axes: T 0.8180,Plg78.0000° ,Azm249.0000°; N -0.1460,Plg7.0000°,Azm15.0000°; P -0.6730,Plg9.0000°,Azm106.0000° $M_0$0.74600×10^{17}
ISC II 20 13 12 35.7–1.1 18.3N–.10 145.4E–.20 450 3.1b 10 33-78
IDC II 20 13 12 34.9–7.9 18.34N 145.38E 439–96 3.5,2.7b ¶610384686
ISC Event type ke.
IDC Error ellipse: s-maj=31.4km s-min=15.9km az=82.0.
ISC II 20 18 48 36.6–1.1 13.6N–.20 145.6E–.40 45 3.3b 6 35-91
IDC II 20 18 48 30.2–1.2 13.62N 145.67E 0 3.4,3.4b ¶610384696
ISC Event type ke.
IDC Error ellipse: s-maj=59.4km s-min=24.2km az=102.0.
ISC II 20 22 10 54.9–1.3 14.1N–.10 145.1E–.40 10 3.7b 8 1-135
IDC II 20 22 10 53.8–1.3 14.00N 144.91E 0 3.5,3.5b ¶610384706
ISC Event type ke.
IDC Error ellipse: s-maj=56.1km s-min=11.3km az=88.0.
IDC II 23 08 02 03.9–1.2 13.97N 145.35E 177–6 3.3,2.9b ¶610384854
IDC Error ellipse: s-maj=51.3km s-min=20.5km az=100.0.
ISC II 23 17 22 36.3–.47 14.29N–.07 145.41E–.10 100 4.3b 86 1-148
IDC II 23 17 22 35.4–.81 14.33N 145.47E 94–7 4.2,3.9b ¶610384887
NEIC II 23 17 22 37.5–1.4 14.27N–.08 145.2E–.10 104–7 4.4b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 24 16 51 28.4–.56 19.05N–.06 145.3E–.20 214 3.6b 37 5-83
IDC II 24 16 51 31.2–2.8 19.01N 145.47E 235–28 4.0,3.3b ¶610384945
NEIC II 24 16 51 32.2–2.0 19.08N–.09 145.1E–.10 256–10 3.8b,3.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC II 25 05 27 34.0–2.4 14.54N 145.61E 95–22 3.5,3.2b ¶610384980
IDC Error ellipse: s-maj=46.3km s-min=31.2km az=101.0.
IDC II 28 07 06 30.6–344 14.51N 146.75E 0 ¶610385178
IDC Error ellipse: s-maj=141.5km s-min=73.8km az=157.0.
ISC II 28 18 34 57.8–.43 18.83N–.05 145.63E–.09 214 4.3b 97 5-87
IDC II 28 18 34 59.1–2.1 18.74N 145.65E 231–20 4.1,3.5b ¶610385220
NEIC II 28 18 35 00.2–2.0 18.80N–.02 145.7E–.10 229–8 4.4b,3.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC III 01 14 49 15.7–2.0 17.98N 145.39E 0 3.4,3.4b ¶610545328
IDC Error ellipse: s-maj=323.3km s-min=27.6km az=111.0.
IDC III 02 11 28 25.5–2.1 13.32N 145.01E 56–21 3.3,3.0b ¶610545384
IDC Error ellipse: s-maj=60.3km s-min=24.7km az=115.0.
ISC III 03 20 49 47.1–.56 18.49N–.07 145.3E–.20 100 4.3b 31 5-87
NEIC III 03 20 49 48.6–2.4 18.41N–.09 145.4E–.20 108–8 4.4b ¶610545475
IDC III 03 20 49 50.3–4.5 18.48N 145.11E 135–41 4.0,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=25.4km s-min=11.6km az=101.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=73.2km s-min=20.1km az=112.0.
ISC III 04 10 34 21.7–.75 18.93N–.07 145.7E–.20 214 3.8b 26 5-83
IDC III 04 10 34 22.8–2.2 18.89N 145.59E 228–22 3.8,3.0b ¶610545517
NEIC III 04 10 34 23.8–.65 18.85N–.08 145.7E–.20 228–13 3.9b,3.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 07 06 57 40.8–1.0 19.3N–.20 145.0E–.30 300 3.2b 8 32-88
IDC III 07 06 57 39.7–11 19.30N 145.02E 288–114 3.7,3.0b ¶610545709
ISC Event type ke.
IDC Error ellipse: s-maj=38.6km s-min=21.2km az=88.0.
ISC III 07 13 51 08.7–.83 13.2N–.10 144.2E–.10 138 3.4b 9 1-70
IDC III 07 13 51 08.7–.54 13.27N 144.43E 147–20 3.5,3.1b ¶610545737
ISC Event type ke.
IDC Error ellipse: s-maj=77.7km s-min=17.0km az=79.0.
ISC III 08 22 37 45.6–.64 17.33N–.09 145.5E–.20 450 3.7b 27 4-148
NEIC III 08 22 37 45.2–1.5 17.3N–.20 145.6E–.20 441–12 3.8b ¶610545836
IDC III 08 22 37 47.0–2.1 17.33N 145.59E 468–27 3.9,3.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=31.0km s-min=8.4km az=138.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=32.0km s-min=25.5km az=108.0.
ISC III 09 06 08 09.5–1.3 18.6N–.10 145.7E–.30 200 3.8b 8 5-87
NEIC III 09 06 08 07.8–.30 18.8N–.20 145.6E–.70 177–17 4.6b ¶610545858
IDC III 09 06 08 12.2–10 19.02N 145.76E 188–101 3.8,3.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=99.8km s-min=16.6km az=103.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC Error ellipse: s-maj=88.9km s-min=24.2km az=85.0.
ISC III 10 10 01 38.8–.56 13.15N–.08 144.8E–.10 100 4.2b 31 0-75
IDC III 10 10 01 39.3–.63 13.16N 144.72E 97–14 3.9,3.6b **¶610545949**
NEIC III 10 10 01 39.9–2.1 13.3N–.10 144.8E–.10 111–4 4.3b,3.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC III 11 06 52 12.3–7.3 16.08N 145.93E 124–98 3.5,3.4L
¶610546003
IDC Error ellipse: s-maj=96.0km s-min=43.8km az=178.0.
ISC III 11 13 12 35.2–.93 20.7N–.20 144.6E–.20 100 3.5b 11 7-87
IDC III 11 13 12 37.6–9.7 20.67N 144.59E 121–89 3.6,3.2b **¶610546016**
ISC Event type ke.
IDC Error ellipse: s-maj=30.7km s-min=18.9km az=83.0.
ISC III 12 22 24 20.0–.48 18.67N–.07 145.5E–.10 200 3.8b 61 5-148
IDC III 12 22 24 18.4–2.3 18.76N 145.62E 186–22 4.0,3.4b **¶610546100**
NEIC III 12 22 24 18.1–1.4 18.77N–.07 145.5E–.10 173–5 4.1b,3.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 13 08 49 05.6–.22 14.41N–.03 145.31E–.03 113–1 5.4b 1771 1-175
BJI III 13 08 48 58.8–.00 14.06N 145.83E 100 5.6b,5.4b **¶610326133**
DJA III 13 08 49 01.0–.80 15N–6.0 145E–4.0 98–6 6.1,6.0b
MOS III 13 08 49 04.6–1.0 14.37N 145.17E 115 5.5b,4.5s
NEIC III 13 08 49 05.3 14.33N 145.27E 120 5.5b,4.5s
NEIC III 13 08 49 05.9 14.33N 145.26E 104 5.5b,4.5s
NEIC III 13 08 49 05.3–2.1 14.39N–.08 145.21E–.08 99–1 5.5,5.5
IDC III 13 08 49 05.3–.41 14.43N 145.32E 108–3 5.4,5.1b
NEIC III 13 08 49 05.3 14.53N 146.09E 120 5.4,5.1b
KLM III 13 08 49 05 14.34N 145.34E 103 5.2b,5.1b
GCMT III 13 08 49 07.3–.10 14.32N–.01 145.31E–.01 108–0 5.6W,5.1b
ISC Event type se. Moment Tensor Solution. NP1:ϕs164.89398°,δ27.03143°,λ-85.85732°. NP2: ϕs340.24533°,δ63.04493°,λ-92.11087°. Principal axes: T Plg18.0192°,Azm71.8148° ; N Plg1.8815°,Azm341.2025°; P Plg71.8761°,Azm245.4425°
NEIC Event type se.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-1.39 $M_{\theta\theta}$0.76 $M_{\phi\phi}$0.63 $M_{r\theta}$1.26 $M_{\theta\phi}$-0.19 $M_{\phi r}$-1.74 NP1:ϕs322.23000°,δ76.12000°,λ-87.17000°. NP2:ϕs130.59000°,δ14.16000° ,λ-101.30000°. Principal axes: T 2.1626,Plg31.0000°,Azm50.0000°; N 0.5276,Plg3.0000° ,Azm142.0000°; P -2.6902,Plg59.0000°,Azm236.0000° $M_0$2.47000×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 2^{s}5 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.48 $M_{\theta\theta}$0.49 $M_{\phi\phi}$0.99 $M_{r\theta}$0.60 $M_{\theta\phi}$-0.96 $M_{\phi r}$-1.19 NP1:ϕs329.93000°,δ65.04000° ,λ-82.70000°. NP2:ϕs133.04000°,δ25.94000°,λ-105.27000°. Principal axes: T 2.2037,Plg20.0000°,Azm54.0000°; N -0.2245,Plg7.0000°,Azm147.0000° ; P -1.9792,Plg69.0000°,Azm255.0000° $M_0$2.09000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s148,c265; s164,c326;Duration: 1^{s}5 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.55±.03 $M_{\theta\theta}$1.28±.03; $M_{\phi\phi}$0.27±.03; $M_{r\theta}$0.93±.02; $M_{\theta\phi}$-0.82±.03; $M_{\phi r}$-2.02±.02; Best double couple: NP1:ϕs326.00000°,δ73.00000°,λ-72.00000°. NP2:ϕs98.00000°,δ24.00000°,λ-135.00000°. Principal axes: T 2.6390,Plg26.0000° ,Azm42.0000°; N 0.2490,Plg17.0000°,Azm141.0000°; P -2.8830,Plg58.0000°,Azm261.0000° $M_0$2.76100×10^{17}
ISC III 17 16 29 48.9–.63 18.38N–.08 145.9E–.10 145 4.1b 44 5-88
NEIC III 17 16 29 47.2–2.2 18.3N–.10 146.0E–.10 119–6 4.3b **¶610546397**
IDC III 17 16 29 47.8–.73 18.44N 145.86E 127–7 3.8,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.3km s-min=15.8km az=94.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=26.6km s-min=11.5km az=108.0.
IDC III 20 13 34 40.1–.98 20.73N 145.01E 0 3.6,3.6b
¶610543332
IDC Error ellipse: s-maj=48.0km s-min=21.7km az=106.0.
IDC III 21 10 41 42.2–2.6 16.47N 146.63E 181–31 3.6,3.1b
¶610543398
IDC Error ellipse: s-maj=151.3km s-min=20.5km az=112.0.
ISC III 21 21 08 11.9–.61 13.65N–.06 144.72E–.08 137–5 4.5b 125 0-148
BJI III 21 21 08 08.5–.00 13.34N 144.91E 148 5.0b,4.6b **¶610415882**
IDC III 21 21 08 11.1–.29 13.70N 144.84E 132–2 4.4s,4.3
NEIC III 21 21 08 12.2–1.3 13.70N–.08 144.7E–.10 136–4 4.6b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 21 22 30 00.8–.72 17.62N–.09 146.1E–.30 35 4.3b 19 4-88
IDC III 21 22 29 55.0–1.1 17.78N 145.82E 0 4.2L,3.7 **¶610543429**
NEIC III 21 22 30 01.4–1.7 17.56N–.08 146.2E–.30 34–7 4.4b,3.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 22 06 06 52.6–.61 19.10N–.09 145.3E–.10 250 4.1b 31 5-148
NEIC III 22 06 06 36.0–1.2 19.9N–.10 146.5E–.20 157–9 4.6b **¶610543450**
IDC III 22 06 06 52.9–3.2 19.02N 145.36E 250–31 4.1,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=27.5km s-min=15.3km az=85.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=26.9km s-min=15.1km az=97.0.
IDC III 23 14 21 29.7–3.2 14.34N 145.24E 101–13 3.7,3.4b
¶610543543
IDC Error ellipse: s-maj=94.4km s-min=24.1km az=87.0.
ISC III 23 18 11 26.7–1.1 13.7N–.10 144.7E–.40 250 3.4b 12 0-135
IDC III 23 18 11 26.6–.45 13.64N 144.07E 225–8 3.7,3.2b **¶610543561**
ISC Event type ke.
IDC Error ellipse: s-maj=30.7km s-min=12.3km az=88.0.
IDC III 24 00 50 53.1–2.8 18.86N 146.34E 0 3.6,3.6b
¶610543571
IDC Error ellipse: s-maj=120.8km s-min=24.3km az=81.0.
ISC III 25 06 34 20.2–.51 18.60N–.06 145.5E–.10 200 4.0b 55 5-93
IDC III 25 06 34 21.9–2.6 18.61N 145.63E 223–25 3.9,3.4b **¶610543632**
NEIC III 25 06 34 21.6–1.3 18.6N–.10 145.6E–.20 208–3 4.1b,3.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 25 14 53 11.8–.99 17.4N–.10 145.6E–.30 300 2.9b 6 4-84
IDC III 25 14 53 10.3–2.6 17.50N 145.67E 282–27 3.5,2.8b **¶610543650**
ISC Event type ke.
IDC Error ellipse: s-maj=43.6km s-min=18.9km az=104.0.
ISC III 26 03 05 11.0–.66 18.68N–.07 145.9E–.20 145 3.5b 15 5-88
IDC III 26 03 05 10.4–2.5 18.70N 145.88E 138–25 3.7,3.3b **¶610543695**
ISC Event type ke.
IDC Error ellipse: s-maj=27.3km s-min=13.2km az=87.0.
ISC III 26 08 04 42.2–.77 14.63N–.08 144.5E–.20 10 4.3b 26 1-82
IDC III 26 08 04 41.4–.97 14.55N 144.32E 0 4.6s,3.9 **¶610543709**
NEIC III 26 08 04 42.0–1.1 14.73N–.04 144.6E–.20 10–1 4.4b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 27 12 45 52.6–.67 18.60N–.08 145.3E–.20 200 3.9b 42 5-88
NEIC III 27 12 45 50.1–1.0 18.8N–.10 145.2E–.20 166–10 4.1b **¶610543793**
IDC III 27 12 45 51.5–2.6 18.61N 145.70E 181–25 4.0s,3.8
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=32.4km s-min=15.5km az=99.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=40.4km s-min=16.5km az=111.0.
ISC III 27 20 40 42.7–1.0 16.0N–.10 145.7E–.30 200 3.0b 10 3-80
IDC III 27 20 40 42.6–1.6 16.00N 145.71E 198–16 3.5,2.9b **¶610543814**
ISC Event type ke.
IDC Error ellipse: s-maj=34.4km s-min=18.2km az=95.0.
IDC III 28 04 19 14.7–4.5 17.49N 145.43E 295–22 3.8,3.1b
¶610543831
IDC Error ellipse: s-maj=87.7km s-min=23.6km az=71.0.
IDC III 29 04 52 53.5–1.2 19.43N 144.41E 0 3.7,3.7b
¶610543897
IDC Error ellipse: s-maj=78.8km s-min=29.1km az=109.0.
ISC III 29 08 16 03.2–.68 18.66N–.08 145.6E–.10 250 3.9b 39 5-87
NEIC III 29 08 16 02.9–.76 18.67N–.09 145.7E–.20 241–5 4.1b **¶610543910**
IDC III 29 08 16 04.5–6.2 18.68N 145.55E 262–62 3.9,3.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=26.2km s-min=12.8km az=93.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=24.9km s-min=13.1km az=86.0.
IDC III 30 02 49 32.2–3.8 19.74N 145.93E 0 3.7,3.7b
¶610543967
IDC Error ellipse: s-maj=147.1km s-min=28.0km az=84.0.
ISC III 30 04 00 08.0–.43 15.78N–.06 145.91E–.10 109 4.5b 122 2-147
IDC III 30 04 00 08.0–1.5 15.80N 145.87E 108–14 4.2,3.9b **¶610543969**
NEIC III 30 04 00 08.4–1.1 15.78N–.10 145.9E–.10 106–5 4.6b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 30 04 40 59.6–.58 18.46N–.07 145.3E–.20 250 4.1b 63 5-148
IDC III 30 04 40 58.7–2.6 18.68N 145.46E 233–26 4.1,3.5b **¶610543972**
NEIC III 30 04 41 02.3–1.1 18.7N–.20 145.3E–.20 263–10 4.1b,3.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 30 11 56 50.8–.77 18.89N–.06 145.5E–.20 214 4.0b 33 5-78
NEIC III 30 11 56 49.4–1.1 18.87N–.09 145.6E–.20 191–11 4.2b **¶610543987**
IDC III 30 11 56 50.6–2.1 18.86N 145.80E 218–20 3.9,3.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.3km s-min=12.3km az=81.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=38.9km s-min=12.2km az=86.0.
IDC III 30 20 50 35.8–3.6 13.45N 144.86E 0 3.8,3.8b
¶610544010
IDC Error ellipse: s-maj=157.0km s-min=27.7km az=85.0.
IDC IV 02 00 00 18.3–1.6 14.42N 144.32E 0 3.2,3.2b
¶610651733
IDC Error ellipse: s-maj=59.5km s-min=17.3km az=58.0.
IDC IV 03 09 53 17.6–6.2 18.31N 144.98E 164–50 3.6,3.0b
¶610651831
IDC Error ellipse: s-maj=124.9km s-min=23.3km az=116.0.
ISC IV 04 14 40 46.3–.62 18.53N–.06 146.5E–.10 64 4.2b 37 5-133
NEIC IV 04 14 40 44.0–1.8 18.5N–.10 146.5E–.20 35–2 4.5b **¶610651925**
IDC IV 04 14 40 49.6–3.8 18.52N 146.65E 97–34 3.8,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=29.9km s-min=17.7km az=97.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=35.4km s-min=13.7km az=85.0.
ISC IV 04 21 12 57.6–1.0 13.7N–.20 145.3E–.20 100 3.5b 10 0-144
IDC IV 04 21 12 56.5–1.5 13.72N 145.35E 88–11 3.7,3.4b **¶610651949**
ISC Event type ke.
IDC Error ellipse: s-maj=40.6km s-min=27.6km az=104.0.
ISC IV 05 04 59 09.7–.46 15.30N–.07 145.92E–.09 100 4.5b 109 2-154
IDC IV 05 04 59 08.2–1.7 15.32N 145.95E 89–15 4.2,3.8b **¶610651966**
NEIC IV 05 04 59 09.0–1.1 15.39N–.09 146.0E–.10 81–4 4.6b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IV 05 21 20 55.8–1.5 18.68N 145.93E 0 3.4,3.4b
¶610652029
IDC Error ellipse: s-maj=68.0km s-min=28.1km az=97.0.
ISC IV 06 04 22 54.1–.30 18.50N–.03 146.46E–.04 57–2 5.1b,4.2s 687 5-166
DJA IV 06 04 22 49.9–1.1 19N–6.0 147E–5.0 45–9 5.9b,5.8 **¶610505902**
BJI IV 06 04 22 51.3–.00 18.74N 146.58E 36 5.0b,4.7b
NEIC IV 06 04 22 52.6–1.9 18.51N–.08 146.5E–.10 38–5 5.2b,4.7b
MOS IV 06 04 22 52.8–.99 18.47N 146.28E 62 5.3b,4.7b
IDC IV 06 04 22 55.6–1.5 18.46N 146.23E 70–13 4.7,4.4b
GCMT IV 06 04 22 55.6–.20 18.47N–.01 146.61E–.01 46–0 5.2W,4.4b
KLM IV 06 04 23 03 19.03N 146.26E 112 5.1b,4.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.9km s-min=11.8km az=99.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=11.7km s-min=5.8km az=96.9.
IDC Error ellipse: s-maj=14.0km s-min=7.7km az=89.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s94,c127; s116,c178;Duration: 1^{s}0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.66±.02 $M_{\theta\theta}$0.04±.01; $M_{\phi\phi}$-0.70±.01; $M_{r\theta}$0.01±.01; $M_{\theta\phi}$0.09±.01; $M_{\phi r}$0.29±.01; Best double couple: NP1:ϕs357.00000°,δ56.00000°,λ94.00000°. NP2:ϕs169.00000°,δ34.00000°,λ84.00000°. Principal axes: T 0.7230,Plg78.0000° ,Azm282.0000°; N 0.0520,Plg4.0000°,Azm175.0000°; P -0.7750,Plg11.0000°,Azm84.0000° $M_0$0.74900×10^{17}
ISC IV 06 10 56 19.0–1.2 19.0N–.10 145.9E–.40 150 3.6b 7 5-87
IDC IV 06 10 56 17.9–3.5 19.06N 145.79E 138–33 3.8,3.3b **¶610652071**
ISC Event type ke.
IDC Error ellipse: s-maj=56.3km s-min=22.1km az=100.0.
IDC IV 07 14 46 48.3–1.4 18.91N 145.72E 0 3.3,3.3b
¶610652162
IDC Error ellipse: s-maj=60.7km s-min=26.6km az=99.0.
ISC IV 07 21 31 41.9–.61 19.10N–.06 145.5E–.10 214 3.9b 55 6-86
IDC IV 07 21 31 41.4–1.8 19.07N 145.55E 213–17 4.0,3.6s **¶610652181**
NEIC IV 07 21 31 41.5–1.6 19.07N–.08 145.6E–.20 203–10 4.1b,3.6s
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 08 01 27 18.7–.78 14.3N–.10 144.3E–.20 35 4.0s,3.7b 11 1-149
IDC IV 08 01 27 13.8–.80 14.28N 144.24E 0 3.9s,3.7 **¶610652195**
ISC Event type ke.
IDC Error ellipse: s-maj=30.2km s-min=13.1km az=63.0.
IDC IV 08 10 27 33.2–3.8 15.90N 145.87E 93–38 3.4,3.3s
¶610652220
IDC Error ellipse: s-maj=54.5km s-min=32.5km az=104.0.
ISC IV 08 17 05 08.5–.82 19.72N–.08 144.7E–.30 500 3.2b 12 6-86
IDC IV 08 17 05 09.2–1.3 19.70N 144.62E 519–16 3.8,2.8b **¶610652244**
ISC Event type ke.
IDC Error ellipse: s-maj=30.1km s-min=14.0km az=87.0.
ISC IV 10 02 01 34.1–.37 18.72N–.04 145.97E–.09 145 4.5b 171 5-147
IDC IV 10 02 01 35.0–.59 18.71N 145.90E 152–5 4.4,4.0b **¶610524823**
NEIC IV 10 02 01 36.4–1.9 18.65N–.07 146.0E–.10 163–7 4.5b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 10 07 32 29.0–.57 18.62N–.07 145.6E–.10 250 4.0b 77 5-87
NEIC IV 10 07 32 27.2–1.8 18.64N–.09 145.6E–.10 220–7 4.2b **¶610652350**
IDC IV 10 07 32 27.8–2.4 18.79N 145.50E 232–25 3.9,3.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.2km s-min=12.4km az=86.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=23.3km s-min=14.5km az=89.0.
ISC IV 10 21 45 06.6–.52 18.50N–.06 146.3E–.20 75 4.1b 57 5-147
NEIC IV 10 21 45 06.9–.71 18.5N–.10 146.2E–.20 75–8 4.3b **¶610652412**
IDC IV 10 21 45 07.5–3.2 18.51N 146.26E 82–30 3.9,3.6b
ISC Event type se.

NEIC Event type se. Error ellipse: s-maj=29.0km s-min=13.6km az=101.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=26.8km s-min=13.7km az=83.0.
ISC IV 13 06 30 16.3–.59 18.84N–.06 145.3E–.10 214 3.9b 41 5-148
NEIC IV 13 06 30 16.9–1.2 18.76N–.05 145.2E–.20 207–11 4.3b **¶610652609**
IDC IV 13 06 30 16.4–2.1 18.81N 145.45E 216–21 4.1,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=32.2km s-min=5.9km az=81.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=21.5km s-min=10.4km az=83.0.
ISC IV 14 03 40 43.9–.90 17.3N–.10 145.8E–.20 200 3.2b 8 4-84
IDC IV 14 03 40 42.5–2.5 17.40N 145.85E 184–24 3.5,3.0b **¶610652679**
ISC Event type ke.
IDC Error ellipse: s-maj=39.5km s-min=21.2km az=114.0.
ISC IV 14 05 50 01.9–.35 14.30N–.04 145.43E–.06 109–2 4.8b 427 1-154
BJI IV 14 05 49 54.9–.00 13.84N 145.80E 100 5.1b,4.7b **¶610528002**
IDC IV 14 05 50 01.3–1.0 14.36N 145.44E 108–8 4.5,4.2b
DJA IV 14 05 50 01.8–.60 14N–4.0 145E–7.0 99–3 5.5b,5.1b
NEIC IV 14 05 50 01.5–1.5 14.33N–.08 145.4E–.10 102–7 4.8b,5.1b
GCMT IV 14 05 50 04.5–.30 14.14N–.03 145.36E–.03 132–5 4.9W,5.1b
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s254.88780°,δ9.31227°,λ12.93185°. NP2:
ϕ_s152.12076°,δ87.92470°,λ99.08007°. Principal axes: T Plg46.3354°,Azm71.4220°
; N Plg9.0741°,Azm331.7892°; P Plg42.2357°,Azm233.4520°
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function. Moment Tensor Solution. s11,c12; s85,c109;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-0.66±.13 $M_{\theta\theta}$-0.45±.19; $M_{\phi\phi}$1.10±.19; $M_{r\theta}$1.87±.09;
$M_{\theta\phi}$0.60±.17; $M_{\phi r}$-1.55±.10; Best double couple: NP1:ϕ_s322.00000°,δ85.00000°,λ-111.00000°.
NP2:ϕ_s221.00000°,δ22.00000°,λ-13.00000°. Principal axes: T 2.1170,Plg37.0000°
,Azm71.0000°; N 0.8940,Plg21.0000°,Azm324.0000°; P -3.0140,Plg46.0000°,Azm211.0000°
$M_0$2.56500×10^{16}
ISC IV 19 09 35 38.4–.66 14.3N–.10 144.2E–.10 10 3.8b,3.5s 14 1-149
IDC IV 19 09 35 37.0–.70 14.32N 144.23E 0 3.8,3.8b **¶610653040**
ISC Event type ke.
IDC Error ellipse: s-maj=25.0km s-min=12.8km az=65.0.
ISC IV 19 18 31 43.9–.74 18.65N–.08 145.6E–.20 200 3.4b 14 5-87
IDC IV 19 18 31 44.0–2.1 18.64N 145.66E 200–21 3.7,3.2b **¶610653064**
ISC Event type ke.
IDC Error ellipse: s-maj=28.7km s-min=13.1km az=89.0.
ISC IV 19 20 43 54.1–.79 20.5N–.10 144.9E–.20 200 3.5b 12 22-131
IDC IV 19 20 43 54.2–8.5 20.47N 144.88E 200–83 3.8,3.2b **¶610653072**
ISC Event type ke.
IDC Error ellipse: s-maj=34.9km s-min=12.6km az=87.0.
IDC IV 19 22 18 17.1–12 19.37N 144.86E 0 3.5,3.5b
¶610653078
IDC Error ellipse: s-maj=497.6km s-min=154.2km az=70.0.
ISC IV 21 08 48 07.7–1.3 16.9N–.10 146.6E–.30 35 4.0b 8 4-147
IDC IV 21 08 48 03.1–.74 16.98N 146.86E 0 3.9,3.9b **¶610653181**
ISC Event type ke.
IDC Error ellipse: s-maj=26.4km s-min=15.4km az=95.0.
ISC IV 21 11 09 59.4–.46 13.84N–.07 144.4E–.10 150 4.3b 64 1-149
IDC IV 21 11 09 59.1–.42 13.90N 144.69E 158–3 3.9,3.4b **¶610653192**
NEIC IV 21 11 10 00.6–1.1 13.8N–.10 144.4E–.10 150–6 4.4b,3.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 23 01 07 38.8–.52 18.73N–.06 145.6E–.10 200 4.1b 43 5-148
IDC IV 23 01 07 39.6–2.2 18.68N 145.46E 210–20 3.9,3.4b **¶610649782**
NEIC IV 23 01 07 40.6–1.1 18.69N–.08 145.6E–.20 211–8 4.3b,3.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IV 23 05 04 30.0–3.9 19.09N 144.79E 228–44 3.9,3.3b
¶610649798
IDC Error ellipse: s-maj=275.8km s-min=22.6km az=85.0.
ISC IV 25 09 22 13.9–.85 18.7N–.10 145.6E–.30 150 3.6b 9 5-83
IDC IV 25 09 22 14.5–14 18.67N 145.59E 157–141 3.7,3.3b **¶610649971**
ISC Event type ke.
IDC Error ellipse: s-maj=47.2km s-min=21.7km az=104.0.
ISC IV 29 15 16 40.7–.98 18.49N–.09 146.3E–.30 100 3.3b 10 5-83
IDC IV 29 15 16 41.7–3.4 18.45N 146.29E 111–32 3.7,3.3b **¶610650322**
ISC Event type ke.
IDC Error ellipse: s-maj=49.8km s-min=17.4km az=90.0.
ISC IV 29 16 32 30.6–.72 14.4N–.10 145.6E–.20 109 3.5b 15 1-82
IDC IV 29 16 32 32.3–.90 14.26N 145.38E 126–6 3.7,3.3b **¶610650333**
ISC Event type ke.
IDC Error ellipse: s-maj=28.4km s-min=13.9km az=93.0.
ISC IV 29 23 49 17.6–.36 18.67N–.03 145.65E–.05 209–3 5.1b 1193 5-167
BJI IV 29 23 49 15.8–.00 18.87N 145.89E 205 5.2b,4.8b **¶610589456**
NEIC IV 29 23 49 17.9–1.5 18.66N–.07 145.6E–.10 200–4 5.1b,4.8b
IDC IV 29 23 49 19.0–.96 18.59N 145.63E 222–8 5.3,4.8b
MOS IV 29 23 49 18.1–.79 18.65N 145.49E 224 5.1b,4.8b
GCMT IV 29 23 49 19.9–.30 18.68N–.02 145.84E–.02 205–2 5.0W,4.8b
DJA IV 29 23 49 20.9–1.3 19N–3.0 146E–5.0 243–12 5.6b,5.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function. Moment Tensor Solution. s34,c41; s114,c147;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}2.55±.12 $M_{\theta\theta}$-0.58±.14; $M_{\phi\phi}$-1.97±.15; $M_{r\theta}$0.46±.11;
$M_{\theta\phi}$1.61±.15; $M_{\phi r}$3.00±.11; Best double couple: NP1:ϕ_s355.00000°,δ70.00000°,λ113.00000°.
NP2:ϕ_s123.00000°,δ30.00000°,λ43.00000°. Principal axes: T 4.3190,Plg59.0000°
,Azm297.0000°; N -0.3730,Plg22.0000°,Azm166.0000°; P -3.9420,Plg22.0000°
,Azm67.0000° $M_0$4.13000×10^{16}
IDC V 01 00 10 13.8–1.4 18.00N 146.21E 0 3.6,3.6b
¶610689267
IDC Error ellipse: s-maj=52.5km s-min=28.9km az=106.0.
ISC V 04 16 52 05.1–.60 18.06N–.07 144.9E–.20 300 3.9b 40 4-87
NEIC V 04 16 52 03.3–2.1 18.2N–.10 145.0E–.20 278–9 4.0b **¶610689557**
IDC V 04 16 52 04.2–1.6 18.05N 145.19E 288–18 3.8,3.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=30.0km s-min=15.0km az=90.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=31.0km s-min=13.9km az=94.0.
ISC V 05 00 02 07.5–.80 18.96N–.09 145.4E–.20 214 3.6b 14 9-87
IDC V 05 00 02 10.8–3.5 18.93N 145.37E 246–34 3.9,3.3b **¶610689574**
ISC Event type ke.
IDC Error ellipse: s-maj=28.4km s-min=12.1km az=91.0.
ISC V 07 02 30 56.5–.36 18.25N–.05 145.72E–.07 200 4.4b 136 5-157
GCMT V 07 02 30 55.9–.40 18.16N–.03 145.84E–.03 179–5 4.9W **¶610617820**
NEIC V 07 02 30 55.9–1.6 18.25N–.08 145.8E–.10 185–6 4.5b
BJI V 07 02 30 55.4–.00 18.56N 145.96E 178 4.5b,4.4b
IDC V 07 02 30 55.3–1.4 18.18N 145.76E 182–13 4.4,3.9b
DJA V 07 02 31 00.0–2.8 18N–11 146E–10 195–25 5.4b,4.9
ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function. Moment Tensor Solution. s13,c13; s88,c102;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}1.59±.14 $M_{\theta\theta}$1.26±.18; $M_{\phi\phi}$-2.85±.17; $M_{r\theta}$-1.66±.10;
$M_{\theta\phi}$0.67±.22; $M_{\phi r}$1.19±.13; Best double couple: NP1:ϕ_s319.00000°,δ71.00000°,λ52.00000°.
NP2:ϕ_s206.00000°,δ42.00000°,λ151.00000°. Principal axes: T 3.1280,Plg49.0000°
,Azm187.0000°; N 0.2800,Plg35.0000°,Azm333.0000°; P -3.4080,Plg17.0000°,Azm76.0000°
$M_0$3.26800×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC V 07 17 07 15.1–7.2 19.06N 145.40E 136–61 3.5,3.0b
¶610689740
IDC Error ellipse: s-maj=195.8km s-min=23.6km az=111.0.
IDC V 07 18 18 47.5–4.2 17.37N 145.93E 0 3.5s,3.4
¶610689748
IDC Error ellipse: s-maj=111.9km s-min=44.9km az=164.0.
ISC V 09 02 12 51.5–1.0 18.22N–.09 144.1E–.40 150 3.6b 8 5-87
IDC V 09 02 12 51.4–4.9 18.40N 143.75E 148–48 4.0,3.5b **¶610689866**
ISC Event type ke.
IDC Error ellipse: s-maj=61.3km s-min=25.0km az=114.0.
ISC V 09 19 52 13.9–.21 13.63N–.03 144.90E–.03 127–1 5.1b 988 0-167
BJI V 09 19 52 11.6–.00 13.67N 145.19E 121 5.1b,4.7b **¶610619296**
MOS V 09 19 52 13.3–1.1 13.66N 145.02E 136 4.9b,4.7b
NEIC V 09 19 52 13.9 13.74N 145.47E 120 4.9b,4.7b
NEIC V 09 19 52 13.8 13.63N 144.98E 124 4.9b,4.7b
NEIC V 09 19 52 13.9–1.7 13.65N–.07 144.95E–.08 125–2 5.4,5.4
IDC V 09 19 52 13.9–.31 13.68N 145.07E 124–2 4.9,4.5b
NEIC V 09 19 52 13.9 13.64N 144.95E 125 4.9,4.5b
DJA V 09 19 52 14.1–.60 14N–5.0 145E–4.0 127–4 5.7b,5.6
GCMT V 09 19 52 16.9–.10 13.48N–.01 144.97E–.01 128–1 5.5W,5.6
ISC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2s4 Moment tensor: Scale 10^{17}Nm;
M_{rr}-0.26 $M_{\theta\theta}$1.31 $M_{\phi\phi}$-1.05 $M_{r\theta}$0.59 $M_{\theta\phi}$-0.75 $M_{\phi r}$0.43 NP1:ϕ_s243.56000°,δ82.47000°
,λ-151.55000°. NP2:ϕ_s149.50000°,δ61.81000°,λ-8.55000°. Principal axes:
T 1.6358,Plg14.0000°,Azm13.0000°; N -0.0964,Plg61.0000°,Azm257.0000°
; P -1.5395,Plg25.0000°,Azm110.0000° $M_0$1.59000×10^{17}
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.64 $M_{\theta\theta}$1.07 $M_{\phi\phi}$-0.43 $M_{r\theta}$0.64
$M_{\theta\phi}$-1.16 $M_{\phi r}$0.40 NP1:ϕ_s260.19000°,δ71.91000°,λ-145.36000°. NP2:ϕ_s158.09000°
,δ57.29000°,λ-21.65000°. Principal axes: T 1.7642,Plg9.0000°,Azm26.0000°
; N -0.2072,Plg51.0000°,Azm284.0000°; P -1.5570,Plg37.0000°,Azm123.0000°
$M_0$1.67000×10^{17}
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function. Moment Tensor Solution. s98,c135; s142,c277;Duration: 1s4
Moment tensor: Scale 10^{17}Nm; M_{rr}-1.38±.04 $M_{\theta\theta}$1.53±.04; $M_{\phi\phi}$-0.14±.04; $M_{r\theta}$0.73±.03;
$M_{\theta\phi}$-1.48±.04; $M_{\phi r}$0.71±.03; Best double couple: NP1:ϕ_s268.00000°,δ61.00000°,λ-136.00000°.
NP2:ϕ_s153.00000°,δ53.00000°,λ-38.00000°. Principal axes: T 2.4140,Plg4.0000°
,Azm29.0000°; N -0.2060,Plg39.0000°,Azm295.0000°; P -2.2030,Plg51.0000°
,Azm124.0000° $M_0$2.30800×10^{17}
ISC V 13 10 53 18.9–.43 17.07N–.05 145.6E–.10 200 4.2b 70 4-148
IDC V 13 10 53 16.7–1.4 17.03N 145.91E 183–13 4.2,3.9s **¶610690189**
NEIC V 13 10 53 18.3–1.2 17.13N–.09 145.6E–.10 190–8 4.3b,3.9s
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 13 20 56 06.5–.46 18.54N–.05 145.4E–.10 200 4.3b 69 5-148
NEIC V 13 20 56 06.9–1.2 18.56N–.09 145.4E–.20 201–8 4.4b **¶610690215**
IDC V 13 20 56 08.4–1.9 18.53N 145.54E 222–18 4.2,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.7km s-min=12.3km az=100.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=18.4km s-min=9.7km az=89.0.
ISC V 13 21 18 47.9–.52 18.54N–.05 145.5E–.10 200 3.8b 42 5-148
NEIC V 13 21 18 48.4–1.1 18.54N–.08 145.6E–.10 196–6 4.1b **¶610690218**
IDC V 13 21 18 49.2–2.1 18.52N 145.61E 219–21 3.8,3.3s
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.7km s-min=10.2km az=72.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=25.1km s-min=11.3km az=89.0.
IDC V 14 06 21 22.3–1.1 19.27N 145.40E 0 3.6,3.6b
¶610690250
IDC Error ellipse: s-maj=72.3km s-min=26.6km az=108.0.
IDC V 16 16 17 44.9–1.1 19.22N 144.41E 0 3.7,3.7b
¶610690431
IDC Error ellipse: s-maj=65.6km s-min=22.5km az=102.0.
ISC V 17 09 58 59.1–.94 13.5N–.20 144.5E–.20 129 3.5b 7 0-83
IDC V 17 09 58 58.7–.65 13.52N 144.62E 127–10 3.5,3.2b **¶610690480**
ISC Event type ke.
IDC Error ellipse: s-maj=42.6km s-min=22.3km az=89.0.
ISC V 18 08 35 31.1–.50 18.50N–.06 145.5E–.20 200 4.0b 59 5-148
IDC V 18 08 35 29.3–2.1 18.56N 145.57E 182–20 4.0,3.5b **¶610690571**
NEIC V 18 08 35 30.7–1.6 18.59N–.10 145.4E–.20 187–0 4.1b,3.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 20 07 59 02.9–.60 18.07N–.08 145.8E–.20 135 4.0b 19 5-148
IDC V 20 07 59 01.3–.76 18.14N 145.81E 111–7 4.1,3.7b **¶610685015**
ISC Event type ke.
IDC Error ellipse: s-maj=26.0km s-min=11.0km az=102.0.
IDC V 23 03 31 04.7–3.6 13.45N 144.03E 109–77 3.5,3.2b
¶610685197
IDC Error ellipse: s-maj=162.8km s-min=29.3km az=82.0.
ISC V 24 10 19 37.2–.91 14.1N–.10 145.3E–.20 100 3.4b 10 1-86
IDC V 24 10 19 36.0–1.3 14.11N 145.40E 88–11 3.4,3.1b **¶610685290**
ISC Event type ke.
IDC Error ellipse: s-maj=36.1km s-min=21.8km az=97.0.
ISC V 25 15 38 57.9–.40 18.43N–.04 146.61E–.07 64 4.7b 180 5-147
GCMT V 25 15 38 56.9–.50 18.46N–.02 147.09E–.03 34–2 4.9W **¶610654447**
IDC V 25 15 38 59.4–2.7 18.40N 146.49E 71–25 4.3,4.0b
NEIC V 25 15 38 59.9–1.3 18.45N–.06 146.6E–.10 81–7 4.7b,4.0b
ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function. Moment Tensor Solution. s18,c21; s75,c99;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}0.07±.22 $M_{\theta\theta}$-2.40±.14; $M_{\phi\phi}$2.33±.14; $M_{r\theta}$0.41±.14;
$M_{\theta\phi}$-0.85±.10; $M_{\phi r}$0.50±.17; Best double couple: NP1:ϕ_s215.00000°,δ90.00000°,λ-14.00000°.
NP2:ϕ_s305.00000°,δ76.00000°,λ-180.00000°. Principal axes: T 2.5510,Plg10.0000°
,Azm261.0000°; N 0.0870,Plg76.0000°,Azm33.0000°; P -2.6390,Plg10.0000°,Azm169.0000°
$M_0$2.59500×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 25 17 03 48.6–1.1 13.6N–.20 145.4E–.10 35 4.7b 19 1-83
IDC V 25 17 03 46.0–2.0 13.06N 144.91E 52–15 3.5,3.4s **¶610654420**
DJA V 25 17 03 50.6–1.4 14N–15 145E–13 29–6 6.0,6.0
ISC Event type ke.
ISC V 25 17 03 56.5–.84 13.06N–.05 144.56E–.07 33–3 4.8b 358 1-148
BJI V 25 17 03 54.5–.00 13.01N 144.73E 35 4.9b,4.6b **¶610685375**
NEIC V 25 17 03 55.5–1.4 13.07N–.07 144.7E–.10 23–5 4.9b,4.6b
IDC V 25 17 03 57.9–.86 13.03N 144.69E 48–7 4.4,4.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.5km s-min=6.2km az=114.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=17.8km s-min=11.4km az=95.0.
IDC V 25 17 54 40.7–2.4 13.44N 144.34E 113–90 3.2,2.9b
¶610685382
IDC Error ellipse: s-maj=262.4km s-min=28.4km az=82.0.
ISC V 26 11 40 32.0–.55 18.85N–.07 145.2E–.10 300 3.9b 79 5-90
NEIC V 26 11 40 32.1–1.8 18.89N–.08 145.3E–.10 295–7 4.1b **¶610685431**
IDC V 26 11 40 33.2–4.5 18.94N 145.35E 309–46 4.0,3.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.9km s-min=9.1km az=123.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=24.5km s-min=12.7km az=92.0.
IDC V 27 00 23 31.8–9.2 18.42N 146.63E 103–59 3.8,3.3b
¶610685463
IDC Error ellipse: s-maj=144.0km s-min=25.3km az=83.0.
ISC V 27 20 42 58.6–2.1 18.60N–.08 146.4E–.50 100 3.5b 10 5-137
IDC V 27 20 42 55.2–7.0 18.74N 146.86E 78–49 4.1s,3.6 **¶610685516**

ISC Event type ke.
IDC Error ellipse: s-maj=119.3km s-min=22.1km az=80.0.
ISC V 31 06 29 32.5–.22 19.09N–.03 145.83E–.03 134–1 5.6b 1656 6-166
BJI V 31 06 29 29.7–.00 19.31N 145.91E 119 5.2b,4.9b ¶611834019
NEIC V 31 06 29 31.5–2.1 19.08N–.07 145.84E–.09 118–4 5.6b,5.5
KLM V 31 06 29 31 19.21N 146.21E 122 5.6b,5.5
NEIC V 31 06 29 32.3 19.10N 145.85E 120 5.6b,5.5
NEIC V 31 06 29 32.3 19.00N 146.49E 120 5.6b,5.5
GCMT V 31 06 29 33.5–.10 19.10N–.01 146.06E–.01 123–1 5.5W,5.5
IDC V 31 06 29 33.4–.97 19.05N 145.80E 145–8 5.4,5.0b
MOS V 31 06 29 33.3–.93 19.09N 145.68E 153 5.4b,5.0b
DJA V 31 06 29 33.9–1.1 19N–4.0 146E–4.0 144–9 6.2,6.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2s7 Moment tensor: Scale 10^{17}Nm; M_{rr}0.03 $M_{\theta\theta}$0.72 $M_{\phi\phi}$-0.75 $M_{r\theta}$-1.29 $M_{\theta\phi}$-0.11 $M_{\phi r}$1.82 NP1:ϕ_s323.56000°,δ89.06000°,λ71.89000°. NP2:ϕ_s230.68000°,δ18.13000°,λ176.97000°. Principal axes: T 2.2919,Plg43.0000°,Azm216.0000°; N 0.1143,Plg18.0000°,Azm324.0000°; P -2.4062,Plg41.0000°,Azm71.0000° $M_0$2.35000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s139,c244; s148,c293;Duration: 1s4 Moment tensor: Scale 10^{17}Nm; M_{rr}0.14±.03 $M_{\theta\theta}$0.43±.03; $M_{\phi\phi}$-0.56±.03; $M_{r\theta}$-1.40±.02; $M_{\theta\phi}$-0.38±.03; $M_{\phi r}$1.93±.02; Best double couple: NP1:ϕ_s326.00000°,δ90.00000°,λ76.00000°. NP2:ϕ_s235.00000°,δ14.00000°,λ178.00000°. Principal axes: T 2.5840,Plg44.0000°,Azm222.0000°; N -0.2510,Plg14.0000°,Azm326.0000°; P -2.3330,Plg43.0000°,Azm70.0000° $M_0$2.45800×10^{17}
IDC V 31 16 33 23.6–10 20.77N 144.07E 0 3.7s,3.3 ¶610685804
IDC Error ellipse: s-maj=369.8km s-min=32.2km az=74.0.
IDC V 31 16 37 54.1–8.6 20.87N 144.12E 0 3.5,3.5b ¶610685805
IDC Error ellipse: s-maj=309.4km s-min=30.1km az=74.0.
ISC VI 01 05 50 18.2–.99 13.7N–.20 145.1E–.30 122–8 3.6b 11 0-87
IDC VI 01 05 50 17.7–.72 13.74N 145.04E 116–6 3.7,3.3b ¶610791039
ISC Event type ke.
IDC Error ellipse: s-maj=36.5km s-min=21.8km az=106.0.
ISC VI 04 03 10 20.7–.77 19.0N–.10 145.0E–.20 450 3.6b 34 5-86
IDC VI 04 03 10 15.5–5.4 19.06N 145.25E 391–60 3.8,3.1b ¶610791207
NEIC VI 04 03 10 24.3–1.6 19.0N–.10 145.0E–.20 491–12 3.7b,3.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 05 12 04 19.2–.54 18.54N–.07 145.5E–.20 200 4.1b 54 5-148
IDC VI 05 12 04 17.7–2.1 18.60N 145.55E 183–20 3.9,3.8s ¶610791281
NEIC VI 05 12 04 18.5–1.1 18.61N–.06 145.4E–.20 184–10 4.2b,3.8s
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VI 06 03 25 20.2–1.1 13.62N 144.19E 0 3.6,3.6b ¶610791313
IDC Error ellipse: s-maj=25.7km s-min=15.1km az=1.0.
IDC VI 06 04 11 47.9–1.1 13.67N 144.14E 0 4.0,4.0b ¶610791315
IDC Error ellipse: s-maj=17.7km s-min=16.2km az=16.0.
IDC VI 07 02 54 26.7–5.3 19.02N 145.18E 201–44 3.8,3.2b ¶610791371
IDC Error ellipse: s-maj=145.0km s-min=20.2km az=114.0.
ISC VI 09 10 57 48.6–.65 18.52N–.06 146.9E–.10 52 4.4b,3.4s 66 5-94
IDC VI 09 10 57 49.1–3.9 18.43N 146.96E 64–35 4.1,4.0L ¶610791535
NEIC VI 09 10 57 52.3–1.0 18.46N–.05 146.7E–.20 80–10 4.4b,4.0L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 13 00 18 32.6–.75 18.57N–.08 145.3E–.20 200 4.1b 27 5-148
IDC VI 13 00 18 33.4–3.2 18.52N 145.51E 214–39 4.0,3.4b ¶610791749
NEIC VI 13 00 18 34.3–.56 18.2N–.20 145.2E–.10 233–18 4.1b,3.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 14 11 20 49.6–.60 18.83N–.07 145.4E–.20 214 3.7b 25 5-87
NEIC VI 14 11 20 47.9–.84 18.88N–.08 145.4E–.20 191–12 4.1b ¶610791860
IDC VI 14 11 20 48.8–2.6 18.90N 145.49E 203–26 4.0s,3.9
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=27.8km s-min=11.6km az=82.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=26.4km s-min=16.3km az=103.0.
IDC VI 14 18 25 07.4–1.5 17.32N 145.79E 460–14 3.5,2.6b ¶610791879
IDC Error ellipse: s-maj=51.6km s-min=19.0km az=101.0.
IDC VI 15 07 03 22.4–1.1 19.12N 145.43E 0 3.5,3.5b ¶610791917
IDC Error ellipse: s-maj=54.8km s-min=24.0km az=106.0.
ISC VI 15 20 57 48.7–.60 19.03N–.07 145.9E–.20 109 4.0b 37 6-90
IDC VI 15 20 57 50.9–2.9 18.96N 145.93E 133–29 4.0,3.5b ¶610791963
NEIC VI 15 20 57 50.5–1.1 19.02N–.04 145.7E–.30 128–9 4.4b,3.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 16 10 34 53.1–.44 18.45N–.06 147.0E–.10 52 4.5b,3.5s 78 5-146
NEIC VI 16 10 34 48.6–1.7 18.45N–.07 147.04E–.10 10–1 4.6b,3.5s ¶610791999
IDC VI 16 10 34 53.1–3.6 18.46N 147.07E 52–33 3.9,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.8km s-min=7.4km az=57.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=28.6km s-min=14.1km az=89.0.
ISC VI 17 09 31 12.2–.59 18.17N–.07 145.3E–.10 300 3.8b 42 5-148
IDC VI 17 09 31 10.7–1.8 18.20N 145.53E 292–19 3.9,3.3b ¶610792052
NEIC VI 17 09 31 12.4–.97 18.3N–.10 145.2E–.20 295–10 4.0b,3.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 20 08 54 06.6–2.4 18.4N–.10 145.5E–.70 250 3.9b 15 5-84
IDC VI 20 08 54 03.9–3.1 18.57N 145.46E 220–26 3.7,3.0b ¶610789154
NEIC VI 20 08 54 05.7–.83 18.5N–.10 145.4E–.30 224–11 4.2b,3.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 21 01 11 55.7–.96 18.8N–.20 145.5E–.30 250 3.5b 7 40-87
IDC VI 21 01 11 56.2–12 18.75N 145.55E 254–121 3.8,3.2b ¶610789183
ISC Event type ke.
IDC Error ellipse: s-maj=40.0km s-min=22.7km az=88.0.
ISC VI 24 04 54 42.4–2.0 18.21N–.08 146.4E–.50 100 3.6b 11 5-88
IDC VI 24 04 54 44.0–5.8 18.15N 146.25E 108–39 3.7,3.3b ¶610789375
ISC Event type ke.
IDC Error ellipse: s-maj=97.8km s-min=16.0km az=82.0.
ISC VI 26 17 27 27.0–1.0 15.0N–.10 146.0E–.20 100 3.4b 8 2-85
IDC VI 26 17 27 21.8–3.6 15.22N 146.15E 49–34 3.6L,3.4 ¶610789523
ISC Event type ke.
IDC Error ellipse: s-maj=36.7km s-min=25.5km az=106.0.
ISC VI 28 15 55 02.7–.54 18.55N–.06 145.7E–.10 150 4.0b 40 5-148
IDC VI 28 15 55 05.3–2.1 18.42N 145.78E 183–20 3.7,3.2b ¶610789651
NEIC VI 28 15 55 06.2–1.1 18.36N–.10 145.8E–.20 183–9 4.1b,3.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 29 01 14 39.5–.45 14.21N–.07 145.56E–.09 100 4.3b 78 1-147
IDC VI 29 01 14 39.9–.73 14.24N 145.44E 105–7 4.2,3.8b ¶610789683
NEIC VI 29 01 14 40.6–1.7 14.18N–.10 145.5E–.10 107–5 4.4b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 29 07 26 39.0–.58 13.5N–.10 144.5E–.10 150 4.1b 39 0-148
IDC VI 29 07 26 38.5–.50 13.55N 144.56E 143–5 4.3s,4.0 ¶610789706
NEIC VI 29 07 26 39.2–1.4 13.5N–.10 144.5E–.10 147–6 4.2b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 29 14 48 58.6–.38 15.38N–.05 146.08E–.08 100 4.5b 123 2-96
NEIC VI 29 14 48 51.6–2.2 15.44N–.07 146.22E–.10 27–5 4.7b ¶610711905
IDC VI 29 14 48 58.1–1.4 15.38N 146.05E 89–12 4.5,4.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.8km s-min=9.9km az=92.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=17.2km s-min=8.9km az=90.0.
ISC VI 30 04 37 15.1–1.2 16.01N–.10 145.8E–.30 200 3.3b 9 3-85
IDC VI 30 04 37 14.7–1.9 16.02N 145.86E 195–16 3.6,3.1b ¶610789758
ISC Event type ke.
IDC Error ellipse: s-maj=37.5km s-min=16.7km az=89.0.

SEISMIC REGION 19.
Japan-Kurils-Kamchatka.

(217) Kamchatka Peninsula.

ISC I 05 20 52 36.2–.64 55.58N–.03 160.67E–.04 179–5 3.4b 111 0-84
KRSC I 05 20 52 35.9–.89 55.55N 160.72E 176–9 4.5L ¶610009960
MOS I 05 20 52 35.6–.91 55.68N 160.51E 182 4.3b
IDC I 05 20 52 36.8–1.6 55.70N 160.49E 178–17 3.9,3.3s
ISC Event type se.
KRSC Event type se.
MOS Error ellipse: s-maj=17.4km s-min=5.5km az=77.2.
IDC Error ellipse: s-maj=23.4km s-min=16.6km az=133.0.
ISC I 08 03 29 34.1–1.1 52.02N–.06 157.61E–.08 141–7 40 0-136
KRSC I 08 03 29 31.4–1.6 51.93N 157.70E 150–13 3.7L ¶610049896
IDC I 08 03 29 32.2–6.2 51.79N 158.90E 77–80 3.4,3.1b
ISC Event type se.
KRSC Event type se.
IDC Error ellipse: s-maj=108.1km s-min=59.7km az=80.0.
ISC I 12 10 53 42.8–.71 51.05N–.07 156.90E–.07 118–6 4.2b 143 1-146
KRSC I 12 10 53 41.4–2.1 50.89N 157.54E 125–18 4.2L ¶610064828
MOS I 12 10 53 42.0–.93 51.13N 156.74E 126 4.1b
IDC I 12 10 53 43.8–1.7 51.19N 156.58E 122–16 3.9,3.7s
NEIC I 12 10 53 44.7–1.0 51.4N–.10 156.5E–.20 124–10 4.2b,3.7s
ISC Event type se.
KRSC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
KRSC I 15 12 00 19.5–2.6 53.49N 155.48E 423–22 4.0L ¶610096762
KRSC Event type se.
ISC I 16 19 07 20.3–.27 55.53N–.03 160.13E–.03 194–2 4.8b 1393 0-156
BJI I 16 19 07 17.5–.00 55.49N 160.38E 209 4.8b,4.5b ¶610098416
KRSC I 16 19 07 18.1–1.0 55.51N 160.38E 198–9 5.2L,4.5
MOS I 16 19 07 19.3–.81 55.61N 159.97E 194 4.8b,4.5
IDC I 16 19 07 20.9–.37 55.68N 159.89E 192–3 4.7,4.2b
NEIC I 16 19 07 20.3–1.5 55.61N–.08 160.0E–.10 185–5 4.9b,4.2b
ISC Event type se.
KRSC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 23 13 23 39.5–1.1 56.84N–.06 155.40E–.05 10 28 2-7
KRSC I 23 13 23 32.5–1.6 57.00N 154.70E 39–41 4.1L ¶610105981
NERS I 23 13 23 37.2–.00 56.69N 154.79E 33 4.1L
ISC Event type se.
KRSC Event type se.
NERS Event type se.
ISC III 24 12 22 29.8–.79 51.13N–.10 156.8E–.10 10 3.6b,3.5s 15 2-136
IDC III 24 12 22 28.0–.89 51.14N 156.62E 0 3.6,3.5s ¶610543595
ISC Event type ke.
IDC Error ellipse: s-maj=25.2km s-min=16.7km az=119.0.
KRSC IV 02 14 20 16.0–1.6 58.84N 163.33E 1–10 3.5L ¶610473036
KRSC Event type se.
IDC IV 02 18 33 33.5–11 51.26N 156.87E 0 ¶610651774
IDC Error ellipse: s-maj=112.4km s-min=37.0km az=15.0.
ISC IV 06 00 29 57.1–.33 52.10N–.04 157.63E–.04 125–2 4.5b 602 0-146
BJI IV 06 00 29 54.2–.00 52.12N 157.89E 132 4.8b,4.7b ¶610505791
MOS IV 06 00 29 56.7–.96 52.12N 157.50E 132 4.5b,4.7b
KRSC IV 06 00 29 56.7–1.1 51.99N 157.99E 125–9 4.7L,4.7b
IDC IV 06 00 29 57.6–.41 52.24N 157.46E 125–2 4.3,3.8b
NEIC IV 06 00 29 58.7–1.1 52.29N–.08 157.4E–.10 130–5 4.6b,3.8b
ISC Event type se.
KRSC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 17 17 51 39.6–1.5 55.27N–.03 157.90E–.04 9–10 3.6b 109 1-72
IDC V 17 17 51 38.8–1.1 55.32N 157.78E 0 3.9L,3.6 ¶610642233
MOS V 17 17 51 39.9–.58 55.28N 157.81E 21 3.6b,3.6
KRSC V 17 17 51 40.2–.82 55.23N 157.95E 24–28 4.1L,4.0
ISC Event type se.
IDC Error ellipse: s-maj=22.9km s-min=18.1km az=69.0.
MOS Error ellipse: s-maj=9.6km s-min=4.7km az=85.7.
KRSC Event type se.
ISC V 26 02 39 06.6–.67 53.67N–.07 157.47E–.08 271–7 3.2b 51 0-72
KRSC V 26 02 39 07.0–1.8 53.68N 157.53E 268–16 4.3L ¶610654908
IDC V 26 02 39 06.8–.64 54.01N 157.00E 255–11 3.6,3.0b
ISC Event type se.
KRSC Event type se.
IDC Error ellipse: s-maj=29.1km s-min=17.2km az=157.0.
ISC VI 29 22 19 32.2–1.0 54.1N–.20 157.6E–.10 286–16 2.8b 23 0-46
IDC VI 29 22 19 30.9–.90 53.13N 157.76E 326–8 3.4,2.6b ¶610713207
KRSC VI 29 22 19 31.9–1.9 54.14N 157.60E 286–20 3.6L,2.6b
ISC Event type se.
IDC Error ellipse: s-maj=31.4km s-min=6.0km az=56.0.
KRSC Event type se.

(218) Near east coast of Kamchatka Peninsula.

ISC I 10 14 47 05.1–1.1 56.01N–.03 163.51E–.03 27–8 4.2b 193 0-67
IDC I 10 14 47 02.3–.89 56.23N 163.24E 0 4.1L,3.9 ¶610051615
KRSC I 10 14 47 03.6–1.4 55.99N 163.54E 51–17 4.7,4.6L
MOS I 10 14 47 05.6–.92 56.05N 163.48E 44 4.3b,4.6L
NEIC I 10 14 47 07.3–1.1 56.2N–.10 163.1E–.10 35–2 4.2b,4.6L
ISC Event type se.
KRSC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
KRSC I 13 00 20 13.5–1.6 51.12N 157.70E 119–18 3.8L ¶610087839
KRSC Event type se.
ISC I 14 11 23 54.2–2.0 54.44N–.05 162.02E–.05 10–13 3.8b 42 1-59
IDC I 14 11 23 53.7–2.0 54.62N 161.74E 0 3.7,3.7b ¶610096756
KRSC I 14 11 23 55.0–.66 54.34N 162.15E 40–21 4.1L,3.7b
ISC Event type se.
IDC Error ellipse: s-maj=54.4km s-min=21.4km az=134.0.
KRSC Event type se.
ISC I 15 13 00 21.1–.70 54.65N–.04 159.33E–.06 200–6 3.4b 67 1-81
IDC I 15 13 00 19.7–1.9 55.16N 158.71E 168–21 3.7,3.1b ¶610096761

KRSC I 15 13 00 19.1–1.7 54.62N 159.50E 206–15 4.0L,3.1b
ISC Event type se.
IDC Error ellipse: s-maj=29.2km s-min=14.5km az=156.0.
KRSC Event type se.
ISC I 21 22 23 53.9–.86 52.62N–.05 158.77E–.06 90–6 3.2b 42 0-135
KRSC I 21 22 23 53.3–.45 52.62N 158.77E 88–3 3.8L **¶610130020**
IDC I 21 22 23 53.3–3.6 52.57N 158.53E 95–19 3.4,3.0b
ISC Event type se.
KRSC Event type se.
IDC Error ellipse: s-maj=83.7km s-min=31.8km az=177.0.
KRSC I 28 05 34 26.0–.68 55.52N 162.93E 69–22 3.8L
¶610150199
KRSC Event type se.
ISC I 28 10 28 18.7–.84 54.86N–.03 162.29E–.03 46–8 4.2b 186 1-85
KRSC I 28 10 28 15.4–.90 54.85N 162.37E 62–24 4.6L **¶610147523**
MOS I 28 10 28 17.5–.84 54.89N 162.26E 50 4.5b
IDC I 28 10 28 19.8–2.3 55.01N 161.93E 50–22 4.0,3.7b
NEIC I 28 10 28 19.2–1.1 55.0N–.10 162.0E–.20 41–8 4.4b,3.7b
ISC Event type se.
KRSC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
KRSC II 02 08 51 36.5–1.0 51.17N 157.68E 117–10 3.7L
¶610186338
KRSC Event type se.
ISC II 05 13 12 30.9–1.1 53.53N–.05 160.87E–.05 52–12 3.4b 48 1-80
KRSC II 05 13 12 29.0–.90 53.52N 160.88E 60–16 4.1L **¶610197952**
IDC II 05 13 12 34.3–3.3 53.79N 160.50E 65–32 3.5,3.2b
ISC Event type se.
KRSC Event type se.
IDC Error ellipse: s-maj=33.1km s-min=25.9km az=160.0.
KRSC II 07 15 16 25.3–1.2 51.58N 157.91E 104–13 3.9L
¶610199138
KRSC Event type se.
ISC II 15 06 42 55.2–.70 53.41N–.04 160.50E–.04 51–6 4.4b,3.6s 276 0-87
KRSC II 15 06 42 52.8–.99 53.34N 160.66E 52–13 4.7L,3.6s **¶610209206**
BJI II 15 06 42 52.5–.00 53.82N 160.34E 48 4.8b,4.3b
MOS II 15 06 42 54.9–.91 53.39N 160.47E 61 4.5b,4.3b
NEIC II 15 06 42 56.9–1.9 53.4N–.10 160.4E–.10 66–7 4.4b,4.3b
IDC II 15 06 42 57.0–2.2 53.58N 160.17E 60–20 4.4L,4.2
ISC Event type se.
KRSC Event type se.
MOS Error ellipse: s-maj=6.7km s-min=3.8km az=80.8.
NEIC Event type se. Error ellipse: s-maj=17.0km s-min=5.5km az=154.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=14.4km s-min=10.9km az=143.0.
KRSC III 03 14 39 25.9–.63 55.56N 161.54E 97–10 3.5L
¶610245480
KRSC Event type se.
ISC III 10 12 54 26.6–.89 54.58N–.04 160.57E–.06 110–8 3.3b 49 1-81
KRSC III 10 12 54 25.0–.77 54.58N 160.60E 113–14 3.6L **¶610323365**
IDC III 10 12 54 27.1–2.5 54.54N 160.37E 118–27 3.5,3.1b
ISC Event type se.
KRSC Event type se.
IDC Error ellipse: s-maj=48.4km s-min=21.2km az=124.0.
KRSC III 11 14 07 26.0–1.6 51.36N 157.87E 97–18 3.9L
¶610329909
KRSC Event type se.
ISC III 12 19 51 59.0–.60 55.64N–.03 162.07E–.03 71–5 4.0b 208 1-83
KRSC III 12 19 51 56.9–.47 55.59N 162.15E 68–13 4.7L **¶610326050**
MOS III 12 19 51 57.9–.81 55.65N 162.12E 68 4.3b
NEIC III 12 19 52 01.7–1.8 55.37N–.08 161.9E–.20 110–12 4.0b
IDC III 12 19 52 01.3–2.6 55.65N 161.83E 81–25 3.9,3.6b
ISC Event type se.
KRSC Event type se.
MOS Error ellipse: s-maj=9.2km s-min=4.6km az=71.2.
NEIC Event type se. Error ellipse: s-maj=17.3km s-min=11.8km az=87.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=16.3km s-min=12.0km az=151.0.
ISC III 21 03 27 16.3–.80 56.11N–.04 161.25E–.04 98–5 3.2b 58 0-79
KRSC III 21 03 27 14.7–.80 56.10N 161.24E 103–7 3.6L **¶610416512**
IDC III 21 03 27 18.1–4.3 56.38N 160.35E 132–34 3.4,3.0b
ISC Event type se.
KRSC Event type se.
IDC Error ellipse: s-maj=129.3km s-min=24.9km az=133.0.
ISC III 22 02 28 52.0–1.1 53.57N–.04 160.84E–.04 45–11 3.6b 101 1-80
KRSC III 22 02 28 49.6–.92 53.53N 160.97E 41–16 4.4L **¶610416107**
MOS III 22 02 28 51.2–.56 53.51N 160.91E 49 4.0b
IDC III 22 02 28 55.9–1.9 53.80N 160.26E 82–20 3.8,3.5b
ISC Event type se.
KRSC Event type se.
MOS Error ellipse: s-maj=9.2km s-min=5.0km az=77.0.
IDC Error ellipse: s-maj=26.1km s-min=17.3km az=141.0.
KRSC III 23 16 16 17.6–.88 56.56N 161.41E 95–8 3.7L
¶610434570
KRSC Event type se.
ISC III 23 23 49 20.7–.64 55.11N–.03 161.71E–.03 70–6 4.4b 544 1-143
KRSC III 23 23 49 19.1–.43 55.10N 161.78E 69–16 5.2L **¶610434482**
MOS III 23 23 49 19.6–1.0 55.15N 161.74E 72 4.5b
NEIC III 23 23 49 22.5–1.7 55.09N–.09 161.6E–.10 86–7 4.4b
IDC III 23 23 49 23.5–1.5 55.21N 161.54E 90–14 4.1,3.8b
ISC Event type se.
KRSC Event type se.
MOS Error ellipse: s-maj=7.5km s-min=3.9km az=77.8.
NEIC Event type se. Error ellipse: s-maj=13.9km s-min=9.4km az=154.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=14.2km s-min=10.1km az=137.0.
ISC III 24 00 03 06.0–2.0 51.24N–.07 157.09E–.07 2–12 3.3b 28 0-77
IDC III 24 00 03 05.8–1.2 51.18N 157.13E 0 3.3,3.3b **¶610434901**
KRSC III 24 00 03 06.7–.98 51.28N 156.94E 6–6 3.6L,3.3b
ISC Event type se.
IDC Error ellipse: s-maj=42.6km s-min=20.7km az=114.0.
KRSC Event type se.
ISC III 29 04 09 23.8–.23 56.85N–.02 162.74E–.02 18–0 6.6s,6.5b 3611 1-166
IDC III 29 04 09 21.0–.32 56.89N 162.77E 0 6.4s,5.9 **¶610441408**
BJI III 29 04 09 21.0–.00 56.88N 162.82E 20 7.1,7.1s
KRSC III 29 04 09 22.3–1.6 56.97N 163.22E 43–18 7.2,6.8L
NEIC III 29 04 09 24.2 56.94N 162.72E 18 7.2,6.8L
NEIC III 29 04 09 24.2 56.94N 162.72E 24 7.2,6.8L
NEIC III 29 04 09 24.2 57.04N 162.90E 24 7.2,6.8L
MOS III 29 04 09 24.5–.95 57.04N 162.84E 31 6.8s,6.6b
NEIC III 29 04 09 24.2–1.5 56.94N–.06 162.8E–.10 17–1 6.6,6.6
BGR III 29 04 09 28.5 57.04N 162.62E 27–2 6.9,6.6s
GCMT III 29 04 09 30.2–.00 57.00N 163.15E 17–0 6.6W,6.6s
ISC Event type ke. Moment Tensor Solution. NP1:ϕ_s227.54683°,δ52.10078°,λ108.78821°. NP2: ϕ_s18.56822°,δ41.66486°,λ67.52366°. Principal axes: T Plg74.2804°,Azm194.7482° ; N Plg14.7228°,Azm35.7433°; P Plg5.3871°,Azm304.3234°
IDC Error ellipse: s-maj=10.4km s-min=8.4km az=2.0.
KRSC Event type se.
NEIC Event type se.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 9ṡ5 Moment tensor: Scale 10^{18}Nm; M_{rr}8.99 $M_{\theta\theta}$-1.87 $M_{\phi\phi}$-7.12 $M_{r\theta}$0.61 $M_{\theta\phi}$-3.44 $M_{\phi r}$1.78 NP1:ϕ_s24.83000°,δ50.92000° ,λ88.16000°. NP2:ϕ_s207.75000°,δ39.11000°,λ92.26000°. Principal axes: T 9.1931,Plg84.0000°,Azm282.0000°; N -0.1772,Plg1.0000°,Azm26.0000° ; P -9.0159,Plg6.0000°,Azm116.0000° $M_0$9.10000×10^{18}
MOS Error ellipse: s-maj=5.9km s-min=3.0km az=80.2.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=10.0km az=18.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}4.42 $M_{\theta\theta}$-0.13 $M_{\phi\phi}$-4.29 $M_{r\theta}$-0.79 $M_{\theta\phi}$-1.64 $M_{\phi r}$-1.49 NP1:ϕ_s202.46000°,δ54.96000°,λ93.98000°. NP2:ϕ_s15.56000°,δ35.24000° ,λ84.35000°. Principal axes: T 4.7230,Plg80.0000°,Azm128.0000°; N 0.4278,Plg3.0000° ,Azm20.0000°; P -5.1508,Plg10.0000°,Azm290.0000° $M_0$4.95000×10^{18}
BGR Event type ke.
GCMT nsta1 refers to body waves, cutoff=50s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s172,c454; s172,c808; Duration: 4ṡ9 Moment tensor: Scale 10^{19}Nm; M_{rr}0.93±.00 $M_{\theta\theta}$-0.17±.00; $M_{\phi\phi}$-0.77±.00; $M_{r\theta}$-0.21±.01; $M_{\theta\phi}$-0.45±.00; $M_{\phi r}$-0.09±.01; Best double couple: NP1:ϕ_s217.00000° ,δ51.00000°,λ102.00000°. NP2:ϕ_s19.00000°,δ41.00000°,λ76.00000°. Principal axes: T 0.9730,Plg79.0000°,Azm180.0000°; N 0.0530,Plg9.0000°,Azm30.0000° ; P -1.0270,Plg5.0000°,Azm299.0000° $M_0$1.00000×10^{19}
KRSC III 29 04 22 11.4–1.3 56.90N 163.24E 43–16 4.1L
¶610453803
KRSC Event type se.
KRSC III 29 04 27 23.9–1.2 56.93N 163.25E 16–14 3.9L
¶610453808
KRSC Event type se.
KRSC III 29 04 32 28.4–1.1 57.04N 163.25E 40–15 4.2L
¶610453810
KRSC Event type se.
ISC III 29 04 34 59.4–.48 56.93N–.03 162.84E–.03 13–2 5.0b 815 1-158
IDC III 29 04 34 57.2–.42 56.90N 162.80E 0 4.6,4.6L **¶610441410**
BJI III 29 04 34 57.0–.00 56.98N 162.58E 6 4.8b,4.6L
NEIC III 29 04 34 59.9–2.5 56.82N–.08 163.0E–.10 10–1 5.0b,4.6L
KRSC III 29 04 34 59.0–1.2 56.91N 163.21E 44–16 5.2L,4.6L
MOS III 29 04 35 01.3–.96 56.96N 162.95E 39 5.0b,4.6L
ISC Event type se.
IDC Error ellipse: s-maj=12.5km s-min=8.6km az=179.0.
NEIC Event type se. Error ellipse: s-maj=14.3km s-min=10.0km az=350.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
KRSC Event type se.
MOS Error ellipse: s-maj=7.4km s-min=3.3km az=73.2.
ISC III 29 04 49 43.7–1.3 57.01N–.03 163.03E–.03 6–8 3.3b 113 1-80
IDC III 29 04 49 42.4–1.3 56.83N 162.56E 0 3.3,3.3b **¶610453815**
KRSC III 29 04 49 44.9–1.5 56.91N 163.18E 40–16 4.2L,3.3b
MOS III 29 04 49 47.3–1.6 56.93N 163.00E 44 3.8b,3.3b
ISC Event type se.
IDC Error ellipse: s-maj=43.5km s-min=25.1km az=163.0.
KRSC Event type se.
MOS Error ellipse: s-maj=14.1km s-min=4.9km az=66.1.
ISC III 29 05 25 48.8–1.4 56.94N–.04 163.05E–.04 8–9 3.7b 101 1-84
IDC III 29 05 25 47.2–.81 56.92N 162.69E 0 3.9L,3.8 **¶610453819**
KRSC III 29 05 25 47.8–1.3 56.93N 163.24E 23–14 4.5L,3.8
MOS III 29 05 25 50.3–1.4 56.96N 163.06E 30 4.1b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=28.2km s-min=17.3km az=138.0.
KRSC Event type se.
MOS Error ellipse: s-maj=13.5km s-min=4.4km az=68.3.
ISC III 29 05 27 48.1–.36 56.79N–.03 162.88E–.03 26–2 5.3b,5.2s 1216 1-163
IDC III 29 05 27 44.9–.37 56.84N 162.71E 0 5.0,5.0b **¶610441412**
KRSC III 29 05 27 45.6–1.3 56.88N 163.24E 42–15 6.2,5.5L
NEIC III 29 05 27 45.8–1.9 56.84N–.07 162.8E–.10 10–1 5.4b,5.5L
BJI III 29 05 27 47.3–.00 57.01N 162.35E 21 5.7b,5.3
BGR III 29 05 27 48.6 57.80N 161.98E 14–1 4.9b,5.3
MOS III 29 05 27 48.8–.97 56.90N 162.84E 42 5.4b,4.5s
ISC Event type ke.
IDC Error ellipse: s-maj=11.5km s-min=9.0km az=150.0.
KRSC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=10.5km az=183.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BGR Event type ke.
MOS Error ellipse: s-maj=5.9km s-min=3.1km az=79.4.
ISC III 29 05 39 11.6–1.5 56.94N–.03 163.07E–.04 0–10 3.4b 106 1-84
IDC III 29 05 39 11.4–1.1 56.94N 162.73E 0 3.4,3.4b **¶610453820**
KRSC III 29 05 39 11.7–1.4 56.91N 163.23E 22–16 4.3L,3.4b
MOS III 29 05 39 14.8–.82 56.90N 163.08E 32 3.9b,3.4b
ISC Event type se.
IDC Error ellipse: s-maj=50.2km s-min=22.1km az=143.0.
KRSC Event type se.
MOS Error ellipse: s-maj=16.2km s-min=5.1km az=63.1.
ISC III 29 05 59 09.6–1.3 56.98N–.04 162.97E–.04 13–8 3.7b 104 1-84
IDC III 29 05 59 07.2–.92 56.89N 162.68E 0 3.8,3.8b **¶610448480**
KRSC III 29 05 59 08.4–1.1 57.00N 163.14E 29–13 4.5L,3.8b
MOS III 29 05 59 09.7–.82 57.03N 163.04E 23 4.1b,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=29.8km s-min=18.4km az=166.0.
KRSC Event type se.
MOS Error ellipse: s-maj=13.6km s-min=4.2km az=68.9.
KRSC III 29 06 32 38.6–1.2 56.92N 163.19E 22–18 3.7L
¶615296892
KRSC Event type se.
ISC III 29 07 14 25.0–1.5 57.00N–.04 163.12E–.04 3–10 3.5b 62 1-84
KRSC III 29 07 14 24.3–1.3 56.97N 163.31E 22–16 4.0L **¶610543908**
IDC III 29 07 14 24.1–.96 57.00N 162.64E 0 3.5,3.5b
ISC Event type se.
KRSC Event type se.
IDC Error ellipse: s-maj=45.5km s-min=19.4km az=144.0.
ISC III 29 08 26 36.3–1.6 56.98N–.04 163.15E–.04 5–10 3.7b 85 1-84
IDC III 29 08 26 34.5–1.2 56.55N 162.80E 0 3.5,3.5b **¶610453822**
KRSC III 29 08 26 35.3–1.2 56.97N 163.32E 20–15 4.2L,3.5b
MOS III 29 08 26 38.7–.73 56.93N 163.14E 30 3.8b,3.5b
ISC Event type se.
IDC Error ellipse: s-maj=45.6km s-min=23.8km az=170.0.
KRSC Event type se.
MOS Error ellipse: s-maj=16.8km s-min=5.6km az=64.8.
ISC III 29 09 33 39.7–1.5 57.15N–.04 163.12E–.04 1–11 42 1-39
IDC III 29 09 33 38.8–4.3 54.94N 166.08E 0 3.1b,3.0 **¶610543916**
KRSC III 29 09 33 40.6–.69 57.08N 163.23E 26–11 3.7L,3.0
ISC Event type ke.
IDC Error ellipse: s-maj=229.8km s-min=31.9km az=153.0.
KRSC Event type se.
ISC III 29 09 34 35.1–1.7 56.97N–.05 163.29E–.04 11–11 3.2b 84 1-84
IDC III 29 09 34 34.0–1.4 57.11N 162.91E 0 3.3,3.3b **¶610453826**
KRSC III 29 09 34 34.5–1.2 56.96N 163.42E 20–14 4.3L,3.3b
MOS III 29 09 34 36.9–.50 56.95N 163.34E 28 3.9b,3.3b
ISC Event type se.
IDC Error ellipse: s-maj=54.8km s-min=25.5km az=140.0.
KRSC Event type se.
MOS Error ellipse: s-maj=18.8km s-min=6.1km az=59.8.
ISC III 29 10 01 17.6–3.2 57.03N–.04 163.11E–.04 6–21 3.6b 38 1-84
IDC III 29 10 01 16.0–2.2 56.89N 162.95E 0 3.6b,3.5 **¶610543921**
KRSC III 29 10 01 17.6–.87 57.04N 163.24E 47–14 4.3L,3.5
ISC Event type se.
IDC Error ellipse: s-maj=140.8km s-min=29.2km az=133.0.
KRSC Event type se.
ISC III 29 13 25 16.9–2.0 56.83N–.06 162.96E–.05 4–13 3.5b 28 1-68
KRSC III 29 13 25 17.2–.96 56.96N 163.16E 34–12 3.9L **¶610453827**
IDC III 29 13 25 18.4–2.1 56.30N 164.10E 0 3.4b,3.3
ISC Event type se.
KRSC Event type se.
IDC Error ellipse: s-maj=156.4km s-min=33.0km az=144.0.
ISC III 29 13 26 23.3–.73 57.04N–.05 163.29E–.05 10 3.2b 44 1-67
KRSC III 29 13 26 21.7–1.3 57.02N 163.52E 16–15 4.3L **¶610453828**
IDC III 29 13 26 22.9–1.3 57.18N 163.04E 0 3.3,3.3b
ISC Event type se.

KRSC Event type se.
IDC Error ellipse: s-maj=36.6km s-min=21.0km az=160.0.
KRSC III 29 14 59 49.9–.98 56.97N 163.21E 22–13 3.6L
¶610453829
KRSC Event type se.
ISC III 29 16 47 35.3–1.4 56.93N–.04 163.15E–.04 7–9 3.9b 104 1-84
KRSC III 29 16 47 33.8–1.2 56.93N 163.33E 24–16 4.3L ¶610448491
IDC III 29 16 47 34.2–.84 56.86N 163.15E 0 3.7,3.6b
MOS III 29 16 47 37.2–1.1 56.90N 163.14E 33 4.0b,3.6b
ISC Event type se.
KRSC Event type se.
IDC Error ellipse: s-maj=30.6km s-min=17.5km az=142.0.
MOS Error ellipse: s-maj=12.8km s-min=4.4km az=66.7.
KRSC III 29 18 13 40.3–.95 57.04N 163.27E 27–12 4.0L
¶610453831
KRSC Event type se.
ISC III 29 20 38 32.5–1.4 57.02N–.04 163.08E–.03 3–9 3.5b 96 1-84
KRSC III 29 20 38 32.4–1.2 56.97N 163.25E 26–14 4.3L ¶610453832
MOS III 29 20 38 35.4–.65 56.97N 163.06E 30 3.9b
IDC III 29 20 38 40.0–2.8 56.95N 162.76E 58–28 3.8,3.6L
ISC Event type se.
KRSC Event type se.
MOS Error ellipse: s-maj=14.2km s-min=4.5km az=67.0.
IDC Error ellipse: s-maj=26.3km s-min=17.5km az=144.0.
KRSC III 29 21 21 47.7–1.2 56.98N 163.20E 20–11 3.5L
¶610453834
KRSC Event type se.
ISC III 30 02 29 18.2–1.1 57.04N–.03 163.02E–.03 18–6 4.3b,3.7s 221 1-134
IDC III 30 02 29 15.2–.65 57.02N 162.61E 0 3.9,3.9b ¶610452495
KRSC III 30 02 29 16.7–1.1 57.05N 163.26E 44–13 4.8L,3.9b
NEIC III 30 02 29 18.1–1.4 57.00N–.10 163.0E–.20 10–1 4.4b,3.9b
MOS III 30 02 29 19.6–1.0 57.07N 162.91E 38 4.6b,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=21.6km s-min=13.6km az=156.0.
KRSC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.4km s-min=16.2km az=108.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=10.7km s-min=4.2km az=68.0.
KRSC III 30 03 21 23.7–1.4 56.95N 163.35E 22–18 4.0L
¶610465749
KRSC Event type se.
ISC III 30 04 46 50.0–2.0 56.99N–.03 163.08E–.03 12–13 4.0b 110 1-84
KRSC III 30 04 46 47.5–1.3 56.99N 163.28E 12–17 4.3L ¶610543973
NEIC III 30 04 46 50.9–2.1 57.3N–.10 162.4E–.20 10–2 4.2b
MOS III 30 04 46 51.5–.86 56.99N 163.05E 36 4.4b
IDC III 30 04 46 56.0–3.5 56.98N 162.66E 58–34 4.4L,3.9
ISC Event type se.
KRSC Event type se.
NEIC Event type se. Error ellipse: s-maj=27.7km s-min=16.8km az=142.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=14.6km s-min=5.5km az=65.4.
IDC Error ellipse: s-maj=21.7km s-min=15.1km az=152.0.
ISC III 30 06 47 26.5–1.6 57.00N–.04 163.09E–.04 4–11 3.3b 47 1-68
KRSC III 30 06 47 25.6–.61 57.03N 163.26E 19–6 3.9L ¶610465752
IDC III 30 06 47 34.2–7.3 56.89N 165.38E 0 3.3,3.3b
ISC Event type se.
KRSC Event type se.
IDC Error ellipse: s-maj=183.7km s-min=86.5km az=108.0.
KRSC III 30 14 40 49.6–1.1 56.95N 163.22E 22–14 3.5L
¶615296906
KRSC Event type se.
ISC III 30 16 01 42.8–1.3 57.00N–.03 162.99E–.03 8–8 3.6b 131 1-84
IDC III 30 16 01 41.4–.80 57.02N 162.61E 0 3.5b,3.4 ¶610465759
KRSC III 30 16 01 43.1–1.0 56.93N 163.17E 44–13 4.4L,4.3
MOS III 30 16 01 44.8–1.6 57.06N 162.91E 38 4.0b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=21.2km s-min=15.2km az=175.0.
KRSC Event type se.
MOS Error ellipse: s-maj=12.3km s-min=4.2km az=70.0.
ISC III 30 21 08 51.1–1.6 56.95N–.05 163.09E–.04 7–10 3.3b 52 1-84
KRSC III 30 21 08 49.8–.68 56.97N 163.24E 18–6 3.9L ¶610465761
IDC III 30 21 08 50.2–1.1 56.99N 162.91E 0 3.4,3.3b
ISC Event type se.
KRSC Event type se.
IDC Error ellipse: s-maj=35.8km s-min=21.2km az=144.0.
ISC III 30 21 24 54.8–.44 56.86N–.03 162.91E–.03 31–2 5.1b,4.5s 1157 1-163
KRSC III 30 21 24 51.0–1.1 56.90N 163.23E 46–14 6.3,5.5L ¶610460764
IDC III 30 21 24 50.1–.39 56.73N 162.80E 0 4.8,4.8L
NEIC III 30 21 24 51.8–1.2 56.75N–.03 162.7E–.10 10–1 5.2b,4.8L
BJI III 30 21 24 54.6–.00 56.95N 162.24E 34 5.1s,5.0b
GCMT III 30 21 24 54.9–.20 57.00N–.02 163.12E–.02 21–0 5.1W,5.0b
MOS III 30 21 24 55.0–1.1 56.87N 162.76E 47 5.1b,4.7s
ISC Event type se.
KRSC Event type se.
IDC Error ellipse: s-maj=11.1km s-min=8.7km az=161.0.
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=5.6km az=264.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s49,c65; s108,c171;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}4.40±.25 $M_{\theta\theta}$-0.13±.15; $M_{\phi\phi}$-4.27±.15; $M_{r\theta}$-1.19±.33; $M_{\theta\phi}$-2.54±.09; $M_{\phi r}$0.25±.23; Best double couple: NP1:ϕ_s222.00000°,δ49.00000°,λ114.00000°. NP2:ϕ_s8.00000°,δ46.00000°,λ65.00000°. Principal axes: T 4.7850,Plg72.0000° ,Azm200.0000°; N 0.6990,Plg18.0000°,Azm26.0000°; P -5.4850,Plg2.0000°,Azm296.0000° $M_0$5.13500×10^{16}
MOS Error ellipse: s-maj=6.1km s-min=3.1km az=73.6.
ISC III 30 22 03 40.1–.42 56.94N–.03 162.87E–.03 44–3 4.9b,3.9s 946 1-139
IDC III 30 22 03 34.0–.42 56.89N 162.75E 0 4.6L,4.4 ¶611832168
KRSC III 30 22 03 35.3–.90 56.96N 163.19E 44–11 5.2,5.1L
NEIC III 30 22 03 36.5–1.4 57.05N–.07 162.8E–.10 10–1 5.0b,5.1L
MOS III 30 22 03 38.2–.88 57.00N 162.83E 41 5.0b,3.9s
BJI III 30 22 03 39.9–.00 57.20N 162.22E 48 4.9b,4.7s
ISC Event type se.
IDC Error ellipse: s-maj=13.3km s-min=8.9km az=169.0.
KRSC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=10.7km az=176.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=6.4km s-min=3.1km az=73.8.
ISC III 30 22 59 25.5–1.4 56.91N–.03 162.95E–.03 6–9 4.2b 153 1-147
IDC III 30 22 59 24.3–.81 56.79N 162.88E 0 3.8,3.8L ¶610465762
KRSC III 30 22 59 25.6–1.7 56.87N 163.22E 42–17 4.6,4.4L
NEIC III 30 22 59 28.5–2.3 56.9N–.10 162.9E–.30 10–2 4.2b,4.2L
MOS III 30 22 59 28.5–1.5 56.86N 162.99E 48 4.1b,4.4L
ISC Event type se.
IDC Error ellipse: s-maj=30.1km s-min=19.0km az=144.0.
KRSC Event type se.
NEIC Event type se. Error ellipse: s-maj=36.4km s-min=5.3km az=307.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=13.6km s-min=4.4km az=66.8.
ISC IV 01 13 23 00.3–1.8 57.00N–.05 163.05E–.04 1–12 3.2b 44 1-84
KRSC IV 01 13 22 59.1–1.0 57.01N 163.31E 18–12 3.7L ¶610470157
IDC IV 01 13 23 01.0–1.2 56.84N 163.09E 0 3.1,3.1b
ISC Event type se.
KRSC Event type se.
IDC Error ellipse: s-maj=49.7km s-min=24.3km az=144.0.
ISC IV 03 01 47 15.5–1.6 56.92N–.05 163.11E–.04 7–10 3.4b 49 1-68
KRSC IV 03 01 47 13.8–1.2 56.97N 163.32E 21–14 4.0L ¶610476796
IDC IV 03 01 47 16.0–1.9 56.67N 163.63E 0 3.3b,3.2
ISC Event type se.
KRSC Event type se.
IDC Error ellipse: s-maj=141.6km s-min=25.2km az=138.0.
KRSC IV 03 08 02 04.4–.62 56.90N 163.04E 34–7 3.6L
¶610476799
KRSC Event type se.
KRSC IV 03 17 51 21.1–1.1 53.29N 160.57E 56–11 3.9L
¶610476802
KRSC Event type se.
IDC IV 04 19 24 48.4–5.6 51.87N 157.82E 105–90 3.4,3.0b
¶610651943
IDC Error ellipse: s-maj=121.7km s-min=80.0km az=5.0.
ISC IV 05 12 33 57.5–1.6 57.03N–.04 163.20E–.04 9–11 3.2b 43 1-84
KRSC IV 05 12 33 58.5–1.4 56.98N 163.21E 18–16 4.0L ¶610513887
IDC IV 05 12 34 00.9–1.4 55.91N 164.56E 0 3.2,3.2b
ISC Event type se.
KRSC Event type se.
IDC Error ellipse: s-maj=135.0km s-min=24.0km az=136.0.
ISC IV 06 00 45 31.6–1.3 57.04N–.05 163.12E–.03 9–8 3.5b 104 1-84
KRSC IV 06 00 45 30.4–1.7 56.95N 163.31E 11–20 4.3L ¶610518421
MOS IV 06 00 45 32.4–.64 56.92N 163.17E 14 3.9b
IDC IV 06 00 45 38.0–2.5 57.19N 162.52E 54–24 3.7s,3.5
ISC Event type se.
KRSC Event type se.
MOS Error ellipse: s-maj=15.3km s-min=5.1km az=62.9.
IDC Error ellipse: s-maj=29.7km s-min=13.5km az=146.0.
KRSC IV 06 11 45 22.7–1.0 56.96N 163.14E 11–10 3.6L
¶610518423
KRSC Event type se.
ISC IV 06 13 22 50.2–1.7 57.06N–.04 163.07E–.04 15–11 3.3b 94 1-84
IDC IV 06 13 22 46.8–1.9 56.97N 162.67E 0 3.4s,3.4 ¶610518424
KRSC IV 06 13 22 49.9–1.3 57.01N 163.20E 44–16 4.3L,3.4
MOS IV 06 13 22 51.6–.76 57.05N 163.07E 40 3.9b,3.4
ISC Event type se.
IDC Error ellipse: s-maj=134.2km s-min=19.5km az=135.0.
KRSC Event type se.
MOS Error ellipse: s-maj=17.1km s-min=4.7km az=65.4.
KRSC IV 06 14 12 22.4–1.2 56.88N 163.17E 38–15 3.7L
¶610518425
KRSC Event type se.
ISC IV 06 15 40 36.6–.42 56.83N–.03 162.79E–.03 33–2 4.9b,4.0s 811 1-158
IDC IV 06 15 40 32.2–.41 56.81N 162.69E 0 4.6,4.6b ¶610514476
KRSC IV 06 15 40 33.4–1.1 56.90N 163.21E 42–12 5.4,5.4L
NEIC IV 06 15 40 33.6–1.7 56.84N–.07 162.7E–.10 10–1 4.9b,5.4L
MOS IV 06 15 40 36.5–1.2 56.94N 162.76E 42 5.0b,4.2s
GCMT IV 06 15 40 37.6–.50 57.06N–.06 162.86E–.07 29–0 4.9W,4.2s
BJI IV 06 15 40 38.9–.00 56.97N 162.29E 57 4.9b,4.7b
ISC Event type se.
IDC Error ellipse: s-maj=12.9km s-min=9.6km az=154.0.
KRSC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=10.6km az=130.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=6.3km s-min=3.1km az=76.3.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s17,c20; s68,c89;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}3.80±.29 $M_{\theta\theta}$-1.37±.20; $M_{\phi\phi}$-2.42±.17; $M_{r\theta}$-0.57±.33; $M_{\theta\phi}$-0.47±.10; $M_{\phi r}$-0.45±.21; Best double couple: NP1:ϕ_s206.00000°,δ51.00000°,λ95.00000°. NP2:ϕ_s18.00000°,δ40.00000°,λ84.00000°. Principal axes: T 3.8880,Plg83.0000° ,Azm148.0000°; N -1.2200,Plg4.0000°,Azm23.0000°; P -2.6580,Plg6.0000°,Azm292.0000° $M_0$3.27300×10^{16}
ISC IV 06 21 28 01.9–.41 56.92N–.03 162.88E–.03 29–2 5.0b,3.9s 1176 1-147
BJI IV 06 21 27 56.8–.00 56.93N 163.01E 17 4.8b,4.6b ¶610518265
IDC IV 06 21 27 57.7–.41 56.87N 162.74E 0 4.6,4.6b
KRSC IV 06 21 27 59.2–1.6 56.90N 163.24E 44–14 5.4,5.2L
NEIC IV 06 21 27 59.5–1.5 56.87N–.07 162.8E–.10 10–1 5.1b,5.2L
GCMT IV 06 21 28 01.5–.40 56.77N–.04 162.91E–.05 22–1 4.8W,5.2L
MOS IV 06 21 28 02.4–.94 56.93N 162.80E 44 5.1b,4.1s
ISC Event type se.
IDC Error ellipse: s-maj=11.6km s-min=9.2km az=177.0.
KRSC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=11.0km az=171.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s24,c25; s73,c93;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}2.13±.17 $M_{\theta\theta}$-0.56±.11; $M_{\phi\phi}$-1.57±.11; $M_{r\theta}$0.95±.19; $M_{\theta\phi}$-0.32±.06; $M_{\phi r}$-0.75±.15; Best double couple: NP1:ϕ_s172.00000°,δ57.00000°,λ67.00000°. NP2:ϕ_s29.00000°,δ40.00000°,λ120.00000°. Principal axes: T 2.5880,Plg69.0000° ,Azm32.0000°; N -0.8550,Plg19.0000°,Azm185.0000°; P -1.7340,Plg9.0000°,Azm278.0000° $M_0$2.16100×10^{16}
MOS Error ellipse: s-maj=5.6km s-min=3.0km az=83.1.
KRSC IV 07 05 04 00.4–1.5 56.96N 163.30E 40–16 3.5L
¶610521492
KRSC Event type se.
ISC IV 07 11 23 07.1–1.3 56.91N–.03 163.01E–.03 8–8 4.1b 152 1-84
IDC IV 07 11 23 05.5–1.1 56.89N 162.65E 0 3.8,3.7b ¶610521493
KRSC IV 07 11 23 06.5–1.4 56.89N 163.17E 46–14 4.1L,3.7b
MOS IV 07 11 23 08.9–1.3 56.91N 163.00E 39 3.9b,3.7b
NEIC IV 07 11 23 08.1–1.9 56.97N–.04 163.0E–.20 10–2 4.2b,3.7b
ISC Event type se.
KRSC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 08 23 05 30.4–1.5 56.97N–.04 162.99E–.04 4–10 3.4b 63 1-84
KRSC IV 08 23 05 30.6–1.5 56.89N 163.23E 33–14 4.0L ¶610523734
IDC IV 08 23 05 31.5–1.1 56.03N 164.31E 0 3.4,3.4b
ISC Event type se.
KRSC Event type se.
IDC Error ellipse: s-maj=42.9km s-min=22.1km az=139.0.
ISC IV 09 10 50 02.1–1.2 56.89N–.04 162.86E–.03 13–8 4.3b,3.5s 399 1-93
IDC IV 09 10 50 01.3–.65 57.19N 162.76E 0 3.9,3.9b ¶610524854
KRSC IV 09 10 50 01.1–1.3 56.86N 163.11E 37–12 4.8,4.5L
NEIC IV 09 10 50 02.8–1.2 57.1N–.10 162.8E–.20 10–1 4.3b,4.5L
MOS IV 09 10 50 03.3–1.0 56.97N 162.86E 38 4.4b,4.5L
ISC Event type se.
IDC Error ellipse: s-maj=21.5km s-min=13.0km az=155.0.
KRSC Event type se.
NEIC Event type se. Error ellipse: s-maj=25.4km s-min=18.2km az=151.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=9.7km s-min=3.9km az=70.3.
ISC IV 10 08 04 35.7–.79 52.51N–.05 158.53E–.06 111–5 3.3b 56 0-79
KRSC IV 10 08 04 34.4–.69 52.51N 158.50E 112–6 3.8L ¶610526242
IDC IV 10 08 04 36.1–1.9 52.75N 158.21E 116–33 3.4,3.0b
ISC Event type se.
KRSC Event type se.
IDC Error ellipse: s-maj=124.5km s-min=28.2km az=130.0.
ISC IV 14 21 54 17.4–.88 57.01N–.05 163.06E–.06 10 3.3b 39 1-68
KRSC IV 14 21 54 14.5–.87 57.04N 163.30E 16–12 3.9L ¶610528513
IDC IV 14 21 54 16.6–1.4 57.00N 163.17E 0 3.2,3.2b
ISC Event type se.
KRSC Event type se.
IDC Error ellipse: s-maj=54.2km s-min=23.0km az=147.0.
ISC IV 16 06 43 48.8–1.6 57.09N–.04 163.09E–.05 10–11 3.7b 42 1-84
KRSC IV 16 06 43 49.1–1.0 57.02N 163.24E 20–12 4.0L ¶610529476
IDC IV 16 06 43 58.4–3.9 56.92N 161.96E 64–38 3.5,3.2b
ISC Event type se.
KRSC Event type se.
IDC Error ellipse: s-maj=32.9km s-min=18.1km az=149.0.

ISC IV 17 21 38 51.0–.31 51.99N–.03 157.65E–.03 125–2 5.0b 1065 0-160
BJI IV 17 21 38 47.7–.00 52.24N 157.85E 131 4.8b,4.7b ¶610529588
KRSC IV 17 21 38 49.8–.96 51.92N 157.77E 124–9 4.9L,4.3
MOS IV 17 21 38 50.2–1.1 52.00N 157.54E 131 4.5b,4.3
NEIC IV 17 21 38 51.4–1.7 52.13N–.08 157.5E–.10 128–4 5.0b,4.3
IDC IV 17 21 38 52.3–.63 52.13N 157.46E 129–4 4.8,4.3b
GCMT IV 17 21 38 54.4–.30 52.14N–.02 157.68E–.03 102–2 5.0W,4.3b
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s76.15160°,δ60.70128°,λ117.62540°. NP2: ϕ_s209.22934°,δ39.40651°,λ50.43215°. Principal axes: T Plg63.1746°,Azm32.7505° ; N Plg23.8519°,Azm241.7864°; P Plg11.5558°,Azm146.5997°
KRSC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s30,c31; s115,c157;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.61±.11 $M_{\theta\theta}$-3.08±.14; $M_{\phi\phi}$0.46±.14; $M_{r\theta}$-0.97±.09; $M_{\theta\phi}$-2.26±.14; $M_{\phi r}$-1.72±.07; Best double couple: NP1:ϕ_s220.00000°,δ63.00000°,λ59.00000°. NP2:ϕ_s93.00000°,δ40.00000°,λ136.00000°. Principal axes: T 3.5760,Plg59.0000° ,Azm85.0000°; N 0.9760,Plg27.0000°,Azm235.0000°; P -4.5580,Plg13.0000°,Azm332.0000° $M_0$4.06700×10^{16}
KRSC IV 17 23 10 45.6–1.4 56.90N 163.35E 43–17 4.6,4.5L ¶610529784
KRSC Event type se.
ISC IV 17 23 26 00.0–2.0 56.88N–.04 163.04E–.03 20–8 4.1b 153 1-84
IDC IV 17 23 25 56.7–.70 56.89N 162.80E 0 4.0L,3.9 ¶610529785
KRSC IV 17 23 25 58.3–1.2 56.85N 163.23E 44–12 4.7L,3.9
NEIC IV 17 23 26 00.6–.99 57.1N–.10 162.3E–.20 10–2 4.2b,3.9
MOS IV 17 23 26 00.5–.87 56.89N 163.05E 42 4.6b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=20.7km s-min=15.4km az=146.0.
KRSC Event type se.
NEIC Event type se. Error ellipse: s-maj=25.4km s-min=20.0km az=150.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=11.8km s-min=4.4km az=68.5.
KRSC IV 19 02 23 18.8–1.6 56.94N 163.44E 42–17 3.9L ¶610544323
KRSC Event type se.
ISC IV 22 16 13 13.5–1.6 57.00N–.05 163.02E–.05 7–11 3.3b 47 1-84
KRSC IV 22 16 13 12.9–1.4 56.97N 163.19E 18–15 4.0L ¶610547499
IDC IV 22 16 13 13.4–1.4 55.88N 164.84E 0 3.3,3.3b
ISC Event type se.
KRSC Event type se.
IDC Error ellipse: s-maj=134.2km s-min=24.8km az=137.0.
ISC IV 23 23 06 30.5–1.6 56.89N–.05 163.05E–.05 23–12 3.5b 64 1-147
KRSC IV 23 23 06 27.1–1.4 56.95N 163.33E 20–16 4.6L,4.5 ¶610547877
IDC IV 23 23 06 34.2–2.8 56.97N 162.85E 54–27 4.0L,3.7
ISC Event type se.
KRSC Event type se.
IDC Error ellipse: s-maj=22.0km s-min=15.2km az=136.0.
ISC IV 25 12 49 40.3–.42 56.93N–.03 163.00E–.03 40–5 4.4b,3.5s 560 1-147
IDC IV 25 12 49 34.8–.47 56.91N 162.79E 0 4.3L,4.2 ¶610554302
KRSC IV 25 12 49 36.0–1.1 56.97N 163.26E 49–12 4.7L,4.2
MOS IV 25 12 49 39.0–.86 57.00N 162.88E 44 4.5b,4.2
NEIC IV 25 12 49 40.6–1.6 57.02N–.06 162.77E–.09 36–5 4.4b,4.2
ISC Event type se.
KRSC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 26 07 02 28.5–.30 53.77N–.03 160.74E–.03 45–2 5.0b,4.0s 994 1-154
BJI IV 26 07 02 23.8–.00 54.08N 161.00E 38 4.9b,4.8b ¶611833655
KRSC IV 26 07 02 27.6–.66 53.69N 160.91E 56–14 5.5L,4.8
NEIC IV 26 07 02 28.6–2.4 53.81N–.07 160.63E–.10 40–2 4.9b,4.8
BGR IV 26 07 02 30.1 54.43N 160.78E 33 5.2b,4.8
MOS IV 26 07 02 30.3–1.1 53.79N 160.52E 73 5.2b,3.8s
GCMT IV 26 07 02 32.5–.30 53.71N–.02 160.78E–.03 53–1 4.9W,3.8s
IDC IV 26 07 02 33.6–1.1 53.94N 160.36E 84–9 4.9,4.5b
ISC Event type ke.
KRSC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=7.6km az=155.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BGR Event type ke.
MOS Error ellipse: s-maj=5.9km s-min=3.0km az=86.5.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s48,c52; s80,c107;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.87±.14 $M_{\theta\theta}$-0.84±.12; $M_{\phi\phi}$-1.03±.14; $M_{r\theta}$0.63±.08; $M_{\theta\phi}$-1.88±.09; $M_{\phi r}$1.13±.08; Best double couple: NP1:ϕ_s32.00000°,δ60.00000°,λ75.00000°. NP2:ϕ_s240.00000°,δ33.00000°,λ114.00000°. Principal axes: T 2.2580,Plg71.0000° ,Azm269.0000°; N 0.8760,Plg13.0000°,Azm39.0000°; P -3.1330,Plg14.0000°,Azm132.0000° $M_0$2.69600×10^{16}
IDC Error ellipse: s-maj=10.8km s-min=8.2km az=141.0.
ISC IV 29 15 18 09.2–1.7 54.24N–.06 161.94E–.04 11–13 3.6b 54 1-81
IDC IV 29 15 18 07.5–5.2 54.27N 161.98E 0 3.8,3.7b ¶610589461
KRSC IV 29 15 18 10.2–1.2 54.07N 161.83E 16–30 4.1L,3.7b
ISC Event type se.
IDC Error ellipse: s-maj=155.9km s-min=37.8km az=172.0.
KRSC Event type se.
ISC IV 30 03 13 24.3–.63 51.86N–.05 157.35E–.06 136–5 4.0b 86 0-136
KRSC IV 30 03 13 22.8–1.5 51.72N 157.66E 140–10 4.2L ¶610589571
NEIC IV 30 03 13 24.8–1.1 52.1N–.10 157.1E–.20 140–9 4.2b
IDC IV 30 03 13 25.8–.82 52.08N 157.03E 144–6 4.0,3.5b
ISC Event type se.
KRSC Event type se.
NEIC Event type se. Error ellipse: s-maj=24.0km s-min=12.6km az=141.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=22.3km s-min=10.8km az=143.0.
ISC V 01 13 45 50.7–1.5 55.04N–.04 162.69E–.05 13–11 3.5b 49 1-82
IDC V 01 13 45 49.8–1.3 54.71N 162.99E 0 3.4,3.4b ¶610591574
KRSC V 01 13 45 51.5–.77 55.05N 162.46E 52–26 4.0L,3.4b
ISC Event type se.
IDC Error ellipse: s-maj=81.3km s-min=22.8km az=146.0.
KRSC Event type se.
KRSC V 05 09 04 21.9–1.2 56.95N 163.25E 18–9 3.6L ¶610617711
KRSC Event type se.
ISC V 07 03 00 46.6–1.1 53.28N–.04 160.51E–.05 45–10 3.9b 63 0-80
KRSC V 07 03 00 44.8–.90 53.29N 160.57E 47–10 4.1L ¶610617985
IDC V 07 03 00 48.3–5.9 53.53N 160.31E 65–45 3.7,3.4b
ISC Event type se.
KRSC Event type se.
IDC Error ellipse: s-maj=48.3km s-min=38.1km az=101.0.
KRSC V 08 12 24 31.6–1.3 56.93N 163.21E 15–11 3.7L ¶610618941
KRSC Event type se.
KRSC V 09 12 46 42.0–1.6 56.93N 163.12E 42–13 3.6L ¶610619348
KRSC Event type se.
KRSC V 10 10 28 41.0–.90 55.05N 162.43E 47–23 3.6L ¶610625918
KRSC Event type se.
ISC V 13 02 43 47.2–.42 56.92N–.04 162.55E–.04 66–3 4.4b 419 1-96
KRSC V 13 02 43 39.6–.78 57.03N 163.22E 48–11 5.3,5.0L ¶610638085
MOS V 13 02 43 43.7–.98 57.05N 162.75E 55 4.5b,3.7s
IDC V 13 02 43 44.7–2.2 56.96N 162.79E 46–22 3.9,3.7b
NEIC V 13 02 43 48.7–1.9 56.92N–.09 162.4E–.20 78–8 4.4b,3.7b
ISC Event type se.
KRSC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 16 13 06 13.3–.92 54.39N–.04 161.00E–.05 72–10 3.6b 62 1-77
KRSC V 16 13 06 11.7–.54 54.37N 161.03E 73–15 4.2L ¶610641786
IDC V 16 13 06 13.5–2.4 54.85N 160.00E 90–31 3.6,3.3b
ISC Event type se.
KRSC Event type se.
IDC Error ellipse: s-maj=115.0km s-min=22.5km az=128.0.
ISC V 17 06 21 10.9–.30 54.40N–.03 160.90E–.03 111–2 4.7b 614 1-160
BJI V 17 06 21 09.1–.00 54.60N 160.78E 122 4.8b,4.4b ¶610641729
KRSC V 17 06 21 10.1–.49 54.36N 161.11E 99–7 5.8L,4.7
NEIC V 17 06 21 11.0–2.4 54.45N–.09 160.9E–.10 109–6 4.7b,4.7
MOS V 17 06 21 10.3–.93 54.41N 160.94E 116 4.6b,3.2s
IDC V 17 06 21 11.1–.40 54.53N 160.73E 106–3 4.6,4.2b
GCMT V 17 06 21 13.0–.30 54.21N–.03 160.95E–.04 98–3 5.0W,4.2b
ISC Event type se.
KRSC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s17,c18; s79,c97;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.86±.11 $M_{\theta\theta}$-2.63±.14; $M_{\phi\phi}$1.76±.14; $M_{r\theta}$0.28±.09; $M_{\theta\phi}$-2.62±.14; $M_{\phi r}$0.89±.06; Best double couple: NP1:ϕ_s21.00000°,δ84.00000°,λ17.00000°. NP2:ϕ_s289.00000°,δ73.00000°,λ173.00000°. Principal axes: T 3.1890,Plg17.0000° ,Azm247.0000°; N 0.7420,Plg71.0000°,Azm41.0000°; P -3.9370,Plg8.0000°,Azm154.0000° $M_0$3.56300×10^{16}
ISC V 20 02 25 05.6–1.3 51.33N–.08 158.31E–.08 100–8 3.5b 51 1-65
KRSC V 20 02 25 05.7–.95 51.37N 158.36E 90–10 4.2L ¶610646007
IDC V 20 02 25 06.6–6.1 51.48N 158.32E 111–33 3.7,3.3b
ISC Event type se.
KRSC Event type se.
IDC Error ellipse: s-maj=67.7km s-min=54.1km az=122.0.
ISC V 22 10 48 52.0–.71 53.58N–.04 159.63E–.05 104–6 3.3b 66 0-80
KRSC V 22 10 48 50.8–.93 53.58N 159.67E 105–10 3.9L ¶610650478
IDC V 22 10 48 52.2–1.1 53.74N 159.39E 105–11 3.5,3.2b
ISC Event type se.
KRSC Event type se.
IDC Error ellipse: s-maj=26.4km s-min=16.0km az=145.0.
KRSC V 25 17 05 30.5–.80 54.44N 160.99E 115–9 3.6L ¶610654698
KRSC Event type se.
ISC V 29 06 50 53.4–1.0 57.03N–.03 162.90E–.03 26–7 4.5b,3.4s 439 1-90
IDC V 29 06 50 49.5–.58 56.97N 162.84E 0 4.1,4.1b ¶610655470
KRSC V 29 06 50 49.6–1.2 56.97N 163.29E 20–14 5.2,4.7L
MOS V 29 06 50 52.4–.88 57.09N 162.89E 27 4.6b,4.7L
NEIC V 29 06 50 55.5–1.6 57.13N–.08 162.6E–.10 38–5 4.5b,4.7L
ISC Event type se.
KRSC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 30 22 36 17.0–1.3 55.73N–.03 162.29E–.03 20–5 3.4b 76 1-68
IDC V 30 22 36 14.0–1.6 55.64N 162.51E 0 3.5b,3.4 ¶610656257
KRSC V 30 22 36 17.1–.53 55.68N 162.23E 49–15 4.0L,3.4
ISC Event type se.
IDC Error ellipse: s-maj=153.3km s-min=21.7km az=145.0.
KRSC Event type se.
KRSC V 31 07 44 34.3–.96 55.50N 161.32E 145–9 3.7L ¶610657361
KRSC Event type se.
KRSC VI 03 22 41 00.1–.94 54.51N 162.20E 41–9 3.5L ¶610661305
KRSC Event type se.
ISC VI 05 09 22 13.4–1.1 55.52N–.04 162.46E–.04 46–12 3.6b 52 1-83
KRSC VI 05 09 22 10.9–.34 55.46N 162.50E 53–13 3.7L ¶610664147
IDC VI 05 09 22 16.4–4.6 55.58N 162.26E 73–45 3.6,3.4b
ISC Event type se.
KRSC Event type se.
IDC Error ellipse: s-maj=39.7km s-min=24.3km az=93.0.
KRSC VI 06 12 43 00.4–1.7 54.22N 162.75E 17–25 3.8L ¶610666298
KRSC Event type se.
ISC VI 07 00 27 18.4–.29 57.04N–.03 163.01E–.03 27–1 5.1b,4.7s 1118 1-166
IDC VI 07 00 27 14.9–.42 56.95N 162.80E 0 5.0L,4.6 ¶611834062
KRSC VI 07 00 27 15.6–1.4 57.05N 163.31E 44–17 5.7,5.5L
NEIC VI 07 00 27 19.3–2.0 56.98N–.07 162.8E–.10 31–4 5.1b,5.5L
MOS VI 07 00 27 19.1–1.0 57.05N 162.87E 40 5.2b,4.5s
GCMT VI 07 00 27 20.3–.30 57.06N–.04 163.31E–.04 24–1 5.0W,4.5s
BJI VI 07 00 27 20.7–.00 57.20N 162.22E 40 5.1b,4.9s
ISC Event type se.
IDC Error ellipse: s-maj=11.8km s-min=8.9km az=177.0.
KRSC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=9.6km az=185.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=6.1km s-min=3.1km az=78.8.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s21,c23; s86,c127;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.50±.30 $M_{\theta\theta}$-0.45±.16; $M_{\phi\phi}$-3.05±.17; $M_{r\theta}$0.58±.27; $M_{\theta\phi}$-0.94±.09; $M_{\phi r}$0.52±.17; Best double couple: NP1:ϕ_s24.00000°,δ51.00000°,λ98.00000°. NP2:ϕ_s192.00000°,δ40.00000°,λ81.00000°. Principal axes: T 3.6060,Plg82.0000° ,Azm335.0000°; N -0.1840,Plg6.0000°,Azm199.0000°; P -3.4160,Plg6.0000°,Azm109.0000° $M_0$3.51100×10^{16}
KRSC VI 09 06 03 50.3–.81 56.18N 163.16E 11–7 3.6L ¶610669496
KRSC Event type se.
ISC VI 14 14 19 04.1–1.1 56.28N–.03 162.61E–.03 15–7 3.5b 97 0-83
KRSC VI 14 14 19 02.5–.83 56.25N 162.71E 27–8 4.4L ¶610675171
MOS VI 14 14 19 04.8–.66 56.29N 162.66E 36 4.1b
IDC VI 14 14 19 08.3–2.5 56.22N 162.47E 49–27 3.5,3.4L
ISC Event type se.
KRSC Event type se.
MOS Error ellipse: s-maj=10.9km s-min=4.9km az=68.0.
IDC Error ellipse: s-maj=25.3km s-min=17.1km az=153.0.
ISC VI 14 20 50 05.8–1.7 54.34N–.03 162.88E–.03 29–13 4.2b 168 1-85
IDC VI 14 20 50 01.9–.95 54.63N 162.53E 0 3.9s,3.9L ¶610674304
NEIC VI 14 20 50 03.0–2.1 54.77N–.10 162.7E–.10 10–1 4.5b,3.9L
KRSC VI 14 20 50 04.4–1.1 54.35N 162.82E 60–18 4.4L,3.9L
MOS VI 14 20 50 06.0–.75 54.36N 162.86E 50 4.3b,3.9L
ISC Event type se.
IDC Error ellipse: s-maj=29.2km s-min=17.3km az=149.0.
NEIC Event type se. Error ellipse: s-maj=18.8km s-min=11.0km az=324.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
KRSC Event type se.
MOS Error ellipse: s-maj=6.9km s-min=4.9km az=80.0.
ISC VI 24 02 12 40.8–.62 57.00N–.03 162.94E–.03 25–4 4.3b,3.3s 460 1-147
IDC VI 24 02 12 36.3–.49 57.02N 162.62E 0 4.0,4.0b ¶610694344
KRSC VI 24 02 12 38.3–.96 57.01N 163.23E 40–14 4.9,4.9L
MOS VI 24 02 12 41.4–1.1 57.03N 162.84E 43 4.4b,4.9L
NEIC VI 24 02 12 43.6–1.2 57.07N–.09 162.6E–.10 44–5 4.3b,4.9L
ISC Event type se.
KRSC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 27 06 42 22.7–1.2 56.85N–.05 163.11E–.05 44–13 3.4b 51 1-147
IDC VI 27 06 42 17.7–.80 57.00N 162.87E 0 3.4,3.4b ¶610697588
KRSC VI 27 06 42 19.9–1.3 56.85N 163.19E 48–18 4.1L,3.4b
ISC Event type se.
IDC Error ellipse: s-maj=31.4km s-min=19.5km az=159.0.
KRSC Event type se.
KRSC VI 29 19 57 19.7–2.0 51.08N 158.12E 80–23 3.8L ¶610713206
KRSC Event type se.

(219) Off east coast of Kamchatka Peninsula.

ISC I 04 23 30 48.5–1.1 52.05N–.05 159.88E–.04 42–10 4.2b,3.0s 166 1-134
KRSC I 04 23 30 44.6–1.7 51.99N 159.99E 56–21 4.5L,3.0s ¶609985354
MOS I 04 23 30 44.1–.99 51.94N 160.04E 21 4.4b,3.0s
NEIC I 04 23 30 50.3–2.1 52.24N–.06 159.6E–.10 53–7 4.3b,3.0s
IDC I 04 23 30 52.6–1.9 52.24N 159.56E 72–15 3.9,3.6b
ISC Event type se.
KRSC Event type se.
MOS Error ellipse: s-maj=8.5km s-min=4.2km az=98.7.
NEIC Event type se. Error ellipse: s-maj=13.6km s-min=3.5km az=53.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=16.7km s-min=11.3km az=144.0.
ISC I 15 19 49 13.7–1.8 52.38N–.04 160.77E–.05 28–11 3.9b 143 1-87
KRSC I 15 19 49 10.1–1.9 52.33N 160.97E 16–26 4.3L,3.5 ¶610095164
IDC I 15 19 49 10.8–1.0 52.60N 160.72E 0 4.1L,3.8
NEIC I 15 19 49 14.3–.94 52.3N–.10 160.73E–.07 48–12 4.4b,3.8
MOS I 15 19 49 14.2–.99 52.38N 160.78E 49 4.3b,3.8
ISC Event type se.
KRSC Event type se.
IDC Error ellipse: s-maj=24.3km s-min=16.3km az=119.0.
NEIC Event type se. Error ellipse: s-maj=19.3km s-min=6.4km az=184.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=8.7km s-min=4.6km az=105.2.
ISC I 15 21 31 20.4–3.8 52.34N–.07 160.92E–.05 9–23 3.8b 40 1-70
KRSC I 15 21 31 19.7–2.3 52.37N 161.04E 18–33 4.2L,3.5 ¶610096759
IDC I 15 21 31 19.6–2.4 52.44N 160.90E 0 3.8b,3.7
ISC Event type se.
KRSC Event type se.
IDC Error ellipse: s-maj=51.5km s-min=29.0km az=155.0.
ISC I 18 07 32 55.7–.80 55.47N–.05 163.26E–.04 20 3.2b 37 1-68
KRSC I 18 07 32 53.8–.68 55.36N 163.31E 23–27 3.6L ¶610101647
IDC I 18 07 32 54.5–1.5 55.72N 163.28E 0 3.2b,3.1
ISC Event type se.
KRSC Event type se.
IDC Error ellipse: s-maj=59.3km s-min=23.3km az=154.0.
KRSC II 01 11 22 17.7–1.9 51.12N 161.03E 48–37 3.8L
¶610177510
KRSC Event type se.
KRSC II 05 11 20 15.5–1.4 51.43N 159.12E 24–21 3.5L
¶610197951
KRSC Event type se.
ISC II 06 10 48 36.1–.90 52.80N–.04 159.78E–.04 49–7 3.5b 91 0-71
KRSC II 06 10 48 34.1–1.1 52.78N 159.82E 56–10 4.2L ¶610198710
MOS II 06 10 48 35.2–.80 52.78N 159.77E 54 3.8b
IDC II 06 10 48 38.8–2.2 52.65N 159.29E 94–19 3.7,3.4b
ISC Event type se.
KRSC Event type se.
MOS Error ellipse: s-maj=11.1km s-min=6.4km az=85.1.
IDC Error ellipse: s-maj=40.1km s-min=24.4km az=154.0.
ISC II 08 18 56 25.3–.64 52.22N–.05 160.97E–.05 10 4.0b,3.3s 108 1-79
IDC II 08 18 56 24.6–1.2 52.32N 161.00E 0 4.1L,3.8 ¶610205747
NEIC II 08 18 56 24.2–2.1 52.1N–.20 161.2E–.20 10–2 4.3b,3.8
KRSC II 08 18 56 28.6–1.8 52.29N 160.82E 58–22 4.3L,3.8
MOS II 08 18 56 29.5–.96 52.26N 160.86E 54 4.3b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=27.7km s-min=20.4km az=160.0.
NEIC Event type se. Error ellipse: s-maj=29.8km s-min=16.7km az=198.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
KRSC Event type se.
MOS Error ellipse: s-maj=10.0km s-min=5.5km az=118.0.
ISC II 18 03 01 52.9–1.5 55.86N–.04 163.22E–.03 16–9 4.0b 71 0-83
KRSC II 18 03 01 51.1–.68 55.79N 163.28E 20–19 4.2L ¶610228744
MOS II 18 03 01 53.1–.80 55.87N 163.21E 27 4.3b
IDC II 18 03 01 59.2–4.0 55.86N 162.84E 66–39 3.6,3.3b
ISC Event type se.
KRSC Event type se.
MOS Error ellipse: s-maj=11.5km s-min=6.7km az=66.3.
IDC Error ellipse: s-maj=29.0km s-min=22.5km az=129.0.
IDC II 20 09 43 14.9–1.7 53.85N 161.44E 0 3.2,3.2b
¶610384679
IDC Error ellipse: s-maj=88.0km s-min=21.9km az=156.0.
ISC II 20 19 25 22.8–.45 55.42N–.03 163.70E–.03 42–4 4.8b,4.1s 700 1-96
BJI II 20 19 25 16.0–.00 55.44N 163.66E 12 5.0b,4.7s ¶611831841
IDC II 20 19 25 17.5–.42 55.46N 163.54E 0 4.9L,4.4
NEIC II 20 19 25 18.9–1.9 55.5N–.10 163.6E–.10 10–1 4.9b,4.4
KRSC II 20 19 25 19.3–1.1 55.39N 163.76E 61–18 5.3L,5.0
MOS II 20 19 25 22.1–.95 55.41N 163.63E 54 5.0b,3.9s
GCMT II 20 19 25 24.9–.50 55.49N–.03 163.82E–.04 24–1 4.9W,3.9s
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
KRSC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s10,c13; s82,c104;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.95±.31 $M_{\theta\theta}$0.28±.18; $M_{\phi\phi}$1.67±.18; $M_{r\theta}$0.42±.21; $M_{\theta\phi}$2.21±.09; $M_{\phi r}$0.07±.19; Best double couple: NP1:ϕ_s236.00000°,δ52.00000°,λ-62.00000°. NP2:ϕ_s15.00000°,δ46.00000°,λ-121.00000°. Principal axes: T 3.3080,Plg3.0000° ,Azm306.0000°; N -1.2230,Plg22.0000°,Azm38.0000°; P -2.0880,Plg68.0000° ,Azm208.0000° $M_0$2.69800×10^{16}
ISC II 22 05 21 07.7–.92 55.58N–.04 163.68E–.04 10 3.3b 28 1-49
KRSC II 22 05 21 05.5–1.2 56.31N 164.31E 20–15 3.9L ¶610241517
IDC II 22 05 21 09.1–2.0 55.44N 163.35E 0 3.4,3.4b
ISC Event type se.
KRSC Event type se.
IDC Error ellipse: s-maj=81.5km s-min=18.0km az=148.0.
ISC II 23 04 30 47.6–1.5 51.87N–.05 159.24E–.04 26–10 3.8b 82 1-135
MOS II 23 04 30 44.9–.83 51.73N 159.45E 22 4.0b ¶610239718
KRSC II 23 04 30 46.5–1.1 51.84N 159.29E 24–17 4.3L
IDC II 23 04 30 54.0–3.8 52.41N 159.27E 59–25 3.7,3.4s
ISC Event type se.
MOS Error ellipse: s-maj=14.3km s-min=5.0km az=103.9.
KRSC Event type se.
IDC Error ellipse: s-maj=61.4km s-min=21.8km az=177.0.
ISC II 23 19 37 23.4–1.0 52.45N–.04 159.46E–.04 44–10 3.6b 89 1-144
IDC II 23 19 37 17.2–.90 52.50N 159.53E 0 3.5,3.5b ¶610240055
KRSC II 23 19 37 22.7–.96 52.44N 159.44E 43–14 4.1L,3.5b
MOS II 23 19 37 22.8–.74 52.45N 159.48E 51 3.7b,3.5b
ISC Event type se.
IDC Error ellipse: s-maj=24.6km s-min=16.8km az=175.0.
KRSC Event type se.
MOS Error ellipse: s-maj=11.9km s-min=6.5km az=100.1.
ISC II 24 01 07 34.4–1.2 54.10N–.06 163.79E–.08 35 3.8b 42 1-68
IDC II 24 01 07 30.2–2.3 54.22N 163.73E 0 3.8b,3.7 ¶610241523
KRSC II 24 01 07 31.3–1.4 54.09N 163.76E 55–22 3.8L,3.7
ISC Event type se.
IDC Error ellipse: s-maj=73.7km s-min=31.4km az=172.0.
KRSC Event type se.
ISC II 24 01 09 27.7–1.6 52.98N–.07 163.01E–.09 35 40 2-69
IDC II 24 01 09 22.3–4.2 52.39N 163.10E 0 3.7b,3.6 ¶610241522
KRSC II 24 01 09 25.4–1.6 53.01N 162.94E 60–26 3.7L,3.6
ISC Event type se.
IDC Error ellipse: s-maj=138.3km s-min=35.1km az=8.0.
KRSC Event type se.
ISC II 27 01 21 21.6–.37 51.98N–.04 159.09E–.03 59–2 5.0b,4.1s 1252 1-152
KRSC II 27 01 21 17.5–1.3 51.86N 159.28E 35–17 5.3L,4.8 ¶610241552
BJI II 27 01 21 18.5–.00 52.15N 159.13E 59 4.9b,4.8b
MOS II 27 01 21 20.3–1.1 51.97N 158.95E 61 5.1b,4.0s
NEIC II 27 01 21 22.3–1.3 52.10N–.08 159.0E–.10 64–6 5.0b,4.0s
GCMT II 27 01 21 22.3–.60 51.88N–.04 159.44E–.05 36–1 4.9W,4.0s
IDC II 27 01 21 23.7–1.4 52.07N 158.94E 73–11 4.7,4.4b
BGR II 27 01 21 24.2 52.70N 157.78E 33 5.1b,4.4s
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s224.55510°,δ60.50510°,λ93.23852°. NP2: ϕ_s37.99912°,δ29.65626°,λ84.29671°. Principal axes: T Plg74.2856°,Azm143.0366° ; N Plg2.8184°,Azm42.9593°; P Plg15.4467°,Azm312.1799°
KRSC Event type se.
MOS Error ellipse: s-maj=7.0km s-min=3.0km az=91.5.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=11.0km az=119.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s33,c39; s49,c64;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.32±.16 $M_{\theta\theta}$-1.10±.12; $M_{\phi\phi}$-1.22±.12; $M_{r\theta}$0.48±.12; $M_{\theta\phi}$-1.18±.07; $M_{\phi r}$0.80±.11; Best double couple: NP1:ϕ_s39.00000°,δ56.00000°,λ85.00000°. NP2:ϕ_s228.00000°,δ35.00000°,λ98.00000°. Principal axes: T 2.5080,Plg78.0000° ,Azm290.0000°; N 0.0060,Plg4.0000°,Azm42.0000°; P -2.5140,Plg11.0000°,Azm133.0000° $M_0$2.51100×10^{16}
IDC Error ellipse: s-maj=13.0km s-min=9.4km az=144.0.
ISC Event type ke. Hypocentre not reviewed by the ISC.
ISC II 28 00 58 05.6–1.5 54.84N–.04 163.04E–.05 14–9 4.3b,3.2s 267 1-76
IDC II 28 00 58 04.0–.85 55.04N 162.71E 0 3.9,3.9b ¶610241743
KRSC II 28 00 58 04.5–1.3 54.74N 163.23E 42–16 4.5L,3.9b
NEIC II 28 00 58 05.4–1.4 53.7N–.20 164.1E–.20 26–8 4.3b,3.9b
MOS II 28 00 58 07.1–.69 54.80N 163.09E 38 4.4b,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=26.6km s-min=13.0km az=164.0.
KRSC Event type se.
NEIC Event type se. Error ellipse: s-maj=36.5km s-min=11.7km az=161.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=7.3km s-min=5.0km az=78.4.
KRSC III 03 04 40 36.0–1.1 55.86N 163.23E 3–10 4.1L
¶610245478
KRSC Event type se.
ISC III 11 06 57 26.6–3.9 52.32N–.05 160.75E–.05 29–29 3.7b,2.7s 102 1-79
IDC III 11 06 57 22.7–.70 52.42N 160.65E 0 3.8,3.8b ¶610329906
KRSC III 11 06 57 24.9–1.5 52.34N 160.77E 35–18 4.4L,3.5
MOS III 11 06 57 26.1–.78 52.27N 160.76E 37 4.1b,3.5
ISC Event type se.
IDC Error ellipse: s-maj=21.0km s-min=13.4km az=166.0.
KRSC Event type se.
MOS Error ellipse: s-maj=8.7km s-min=5.0km az=106.7.
ISC III 11 16 55 55.6–.91 51.78N–.04 161.19E–.04 42–9 4.0b 236 1-79
KRSC III 11 16 55 53.2–1.8 51.83N 161.20E 64–32 4.9L ¶610325498
MOS III 11 16 55 54.7–.83 51.77N 161.16E 54 4.3b
NEIC III 11 16 55 55.4–2.2 51.73N–.09 161.1E–.10 38–7 4.3b
IDC III 11 16 55 57.1–2.0 51.89N 160.93E 46–20 4.1L,3.7
ISC Event type se.
KRSC Event type se.
MOS Error ellipse: s-maj=7.1km s-min=3.7km az=99.1.
NEIC Event type se. Error ellipse: s-maj=13.3km s-min=10.7km az=179.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=17.5km s-min=11.9km az=154.0.
ISC III 22 08 06 30.6–.45 51.37N–.05 159.56E–.04 30 4.6b,3.9s 185 1-135
KRSC III 22 08 06 25.2–2.8 51.11N 159.98E 49–24 4.7L,4.3 ¶610416144
IDC III 22 08 06 26.6–.70 51.51N 159.40E 0 4.6L,4.2
MOS III 22 08 06 30.3–1.1 51.30N 159.57E 50 4.8b,3.8s
NEIC III 22 08 06 32.0–2.5 51.45N–.09 159.5E–.10 36–8 4.8b,3.8s
ISC Event type se.
KRSC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 02 10 25 16.7–.65 52.42N–.04 159.93E–.04 54–5 4.4b,3.5s 272 1-153
KRSC IV 02 10 25 13.1–1.6 52.33N 160.04E 42–22 4.9L,4.3 ¶610470179
MOS IV 02 10 25 15.1–1.2 52.35N 159.85E 54 4.6b,4.3
NEIC IV 02 10 25 17.8–2.1 52.6N–.10 159.7E–.10 54–7 4.5b,4.3
IDC IV 02 10 25 20.5–1.4 52.58N 159.48E 82–10 4.1,3.7b
ISC Event type se.
KRSC Event type se.
MOS Event type fe. Error ellipse: s-maj=7.4km s-min=3.6km az=95.2. Felt (II) at Petropavlovsk-Kamchatskiy. Moment Tensor Solution.
NEIC Event type se. Error ellipse: s-maj=15.8km s-min=10.3km az=183.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=15.6km s-min=10.6km az=141.0.
ISC IV 03 05 04 06.4–1.2 54.93N–.03 163.60E–.03 15–8 4.3b 191 1-70
NEIC IV 03 05 04 04.3–1.5 55.27N–.10 164.2E–.20 10–2 4.4b ¶610476798
IDC IV 03 05 04 06.3–1.3 55.36N 163.20E 0 3.8,3.8b
KRSC IV 03 05 04 07.8–1.4 54.90N 163.56E 65–26 4.3L,3.8b
MOS IV 03 05 04 09.3–.73 54.91N 163.65E 62 4.4b,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=28.1km s-min=3.9km az=126.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=36.2km s-min=19.8km az=146.0.
KRSC Event type se.
MOS Error ellipse: s-maj=6.8km s-min=5.4km az=86.2.
KRSC IV 08 14 42 51.5–1.3 52.49N 162.30E 42–26 3.7L
¶610523735
KRSC Event type se.
ISC IV 09 00 31 06.2–.97 52.66N–.04 160.03E–.04 46–9 3.8b 101 0-71
KRSC IV 09 00 31 05.1–1.2 52.65N 160.02E 42–13 4.0L ¶610523782
MOS IV 09 00 31 05.4–.82 52.62N 160.08E 45 4.0b
IDC IV 09 00 31 09.3–2.8 52.79N 159.69E 74–19 3.7,3.4b
ISC Event type se.
KRSC Event type se.
MOS Error ellipse: s-maj=9.4km s-min=6.1km az=107.0.
IDC Error ellipse: s-maj=30.2km s-min=27.9km az=163.0.
ISC IV 19 19 16 15.7–1.1 52.85N–.05 159.90E–.05 48–8 3.4b 43 0-60
KRSC IV 19 19 16 14.5–.84 52.83N 159.96E 49–7 4.2L ¶610544325
IDC IV 19 19 16 16.2–5.1 52.45N 159.53E 82–27 3.5,3.1b
ISC Event type se.
KRSC Event type se.
IDC Error ellipse: s-maj=79.7km s-min=34.4km az=3.0.
KRSC IV 22 00 05 59.4–1.2 53.39N 162.71E 47–28 3.7L
¶610547494
KRSC Event type se.
ISC IV 22 07 32 06.8–.94 52.42N–.04 159.58E–.04 46–8 4.2b,3.3s 185 1-135
KRSC IV 22 07 32 04.4–1.0 52.37N 159.66E 43–13 4.6L,3.3s ¶610547341
MOS IV 22 07 32 05.8–1.1 52.37N 159.62E 51 4.2b,3.3s
NEIC IV 22 07 32 09.1–1.1 52.7N–.10 159.3E–.10 57–5 4.3b,3.3s
IDC IV 22 07 32 10.1–1.5 52.58N 159.27E 77–11 3.9,3.5b
ISC Event type se.
KRSC Event type se.
MOS Event type fe. Error ellipse: s-maj=8.0km s-min=3.8km az=89.4. Felt (II) at Petropavlovsk-Kamchatskiy. Moment Tensor Solution.
NEIC Event type se. Error ellipse: s-maj=14.7km s-min=12.8km az=184.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=17.8km s-min=12.5km az=153.0.
ISC IV 22 08 28 54.6–.74 53.35N–.05 162.85E–.05 35 3.7b 70 2-81
KRSC IV 22 08 28 49.9–1.4 53.34N 162.86E 41–34 4.1L ¶610547497
IDC IV 22 08 28 50.6–.93 53.41N 162.65E 0 3.7,3.7b
ISC Event type se.
KRSC Event type se.
IDC Error ellipse: s-maj=27.7km s-min=15.7km az=165.0.
ISC IV 25 00 00 52.0–1.6 52.40N–.08 162.25E–.08 35 43 2-70
KRSC IV 25 00 00 48.9–1.6 52.45N 162.24E 42–27 3.7L ¶610649943

IDC IV 25 00 00 49.4–2.6 55.10N 160.91E 0 3.5b,3.4
ISC Event type ke.
KRSC Event type se.
IDC Error ellipse: s-maj=227.2km s-min=23.5km az=138.0.
ISC V 03 00 38 10.7–1.4 52.42N–.05 159.58E–.04 28–10 3.3b 53 1-71
IDC V 03 00 38 06.6–4.2 52.54N 159.77E 0 3.3,3.3b ¶610594162
KRSC V 03 00 38 10.1–.76 52.45N 159.68E 40–11 4.0L,3.3b
ISC Event type se.
IDC Error ellipse: s-maj=128.9km s-min=20.3km az=10.0.
KRSC Event type se.
ISC V 08 16 26 34.5–1.2 55.31N–.03 163.01E–.04 44–14 3.5b 67 1-82
KRSC V 08 16 26 31.6–.84 55.23N 163.04E 47–23 3.8L ¶610618942
IDC V 08 16 26 36.6–3.2 55.60N 162.49E 63–33 3.4,3.1b
ISC Event type se.
KRSC Event type se.
IDC Error ellipse: s-maj=45.8km s-min=19.6km az=141.0.
KRSC V 14 15 01 41.3–1.2 52.55N 159.70E 50–15 3.6L ¶610638722
KRSC Event type se.
KRSC V 15 01 33 32.5–2.4 51.23N 159.94E 68–32 3.6L ¶610641336
KRSC Event type se.
ISC V 17 10 28 17.9–.48 51.94N–.04 160.01E–.04 49–3 4.6b,4.2s 313 1-152
KRSC V 17 10 28 11.8–1.3 51.76N 160.42E 51–21 5.3L,4.7 ¶610641792
BJI V 17 10 28 16.6–.00 52.24N 159.57E 40 4.8b,4.7b
MOS V 17 10 28 16.2–1.2 51.93N 160.02E 52 4.9b,3.8s
IDC V 17 10 28 17.2–.64 52.08N 159.91E 35–4 4.4L,4.2
NEIC V 17 10 28 19.2–1.8 51.97N–.08 159.79E–.09 54–6 4.7b,4.2
ISC Event type se.
KRSC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 18 05 05 23.0–1.2 51.84N–.07 159.02E–.08 58–12 3.2b 50 1-78
IDC V 18 05 05 14.9–1.2 51.62N 159.20E 0 3.3,3.3b ¶610643013
KRSC V 18 05 05 21.6–1.2 51.87N 158.97E 67–15 4.1L,3.3b
ISC Event type se.
IDC Error ellipse: s-maj=32.9km s-min=23.9km az=77.0.
KRSC Event type se.
ISC V 20 09 52 35.5–1.4 52.65N–.06 160.29E–.07 43–12 3.7b 53 0-79
KRSC V 20 09 52 34.2–1.0 52.68N 160.32E 42–11 4.1L ¶610646009
IDC V 20 09 52 39.0–2.5 52.76N 160.08E 74–21 3.7,3.4b
ISC Event type se.
KRSC Event type se.
IDC Error ellipse: s-maj=27.5km s-min=22.5km az=171.0.
ISC V 29 00 28 29.0–.40 52.81N–.03 160.31E–.03 38–1 4.7b,3.6s 530 0-112
BJI V 29 00 28 26.4–.00 53.08N 160.22E 40 4.7b,4.6b ¶610655277
KRSC V 29 00 28 26.6–1.0 52.75N 160.43E 40–10 5.0L,4.3
MOS V 29 00 28 29.1–1.1 52.82N 160.17E 52 4.9b,4.3
NEIC V 29 00 28 29.9–1.6 53.01N–.04 160.1E–.10 35–1 4.6b,4.3
IDC V 29 00 28 33.2–1.5 52.94N 160.00E 73–11 4.5,4.2b
BGR V 29 00 28 35.4 53.46N 159.44E 33 4.9b,3.6s
ISC Event type ke.
KRSC Event type se.
MOS Event type fe. Error ellipse: s-maj=6.3km s-min=3.3km az=97.4. Felt (II-III) at Petropavlovsk-Kamchatskiy. Moment Tensor Solution.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=7.8km az=104.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=13.4km s-min=9.6km az=139.0.
BGR Event type ke.
ISC VI 09 16 58 45.3–1.6 52.49N–.04 160.87E–.04 6–10 3.9b,3.5s 116 1-79
IDC VI 09 16 58 45.5–.98 52.51N 160.77E 0 3.9L,3.8 ¶610669119
KRSC VI 09 16 58 46.1–2.1 52.29N 160.94E 52–29 4.1L,3.8
MOS VI 09 16 58 49.8–.93 52.41N 160.77E 46 4.0b,3.8
NEIC VI 09 16 58 49.4–1.1 52.7N–.20 160.98E–.10 28–9 4.4b,3.8
ISC Event type se.
KRSC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 11 08 52 08.3–.60 53.90N–.03 161.17E–.03 60–11 97 1-72
KRSC VI 11 08 52 06.7–.86 53.87N 161.19E 58–17 4.3L ¶610669627
MOS VI 11 08 52 07.9–.64 53.87N 161.16E 65 3.6b
ISC Event type se.
KRSC Event type se.
MOS Error ellipse: s-maj=9.3km s-min=4.7km az=78.7.
ISC VI 19 22 43 49.0–2.0 52.51N–.06 160.59E–.06 6–11 38 1-61
IDC VI 19 22 43 45.4–3.8 51.91N 160.46E 0 3.6,3.6b ¶610685829
KRSC VI 19 22 43 52.1–1.4 52.44N 160.46E 24–20 3.8L,3.6b
ISC Event type se.
IDC Error ellipse: s-maj=110.2km s-min=46.8km az=23.0.
KRSC Event type se.
ISC VI 20 07 26 24.0–.56 51.63N–.04 159.19E–.04 75–4 4.1b 191 1-135
NEIC VI 20 07 26 18.9–1.8 51.37N–.09 159.03E–.05 35–2 4.2b ¶610681933
KRSC VI 20 07 26 22.1–1.5 51.63N 159.24E 77–21 4.2L
MOS VI 20 07 26 23.5–1.0 51.64N 159.14E 87 4.5b
IDC VI 20 07 26 25.8–.65 51.66N 159.02E 83–5 4.1,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.9km s-min=3.7km az=163.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
KRSC Event type se.
MOS Error ellipse: s-maj=9.2km s-min=3.7km az=90.7.
IDC Error ellipse: s-maj=11.4km s-min=8.9km az=69.0.
IDC VI 21 11 15 48.1–1.6 54.45N 163.05E 0 3.3,3.3b ¶610789207
IDC Error ellipse: s-maj=95.8km s-min=24.4km az=157.0.
ISC VI 27 02 23 21.1–.45 52.67N–.03 160.52E–.03 31–2 5.0b,4.6s 722 1-144
IDC VI 27 02 23 16.8–.45 52.78N 160.45E 0 4.8,4.7b ¶611834203
BJI VI 27 02 23 18.5–.00 53.04N 160.26E 23 5.0s,4.8
KRSC VI 27 02 23 18.1–1.8 52.58N 160.80E 40–17 5.3L,4.8
GCMT VI 27 02 23 22.7–.20 52.53N–.02 160.81E–.02 30–0 5.2W,4.8
BGR VI 27 02 23 22.1 52.96N 160.91E 33 5.2b,4.6s
MOS VI 27 02 23 23.3–1.2 52.75N 160.24E 58 5.3b,4.8s
NEIC VI 27 02 23 24.7–1.1 52.80N–.09 160.3E–.10 55–6 4.9b,4.8s
ISC Event type ke.
KRSC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s76,c109; s112,c181;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}6.23±.22 $M_{\theta\theta}$-1.79±.14; $M_{\phi\phi}$-4.44±.14; $M_{r\theta}$3.30±.23; $M_{\theta\phi}$-2.34±.08; $M_{\phi r}$2.89±.17; Best double couple: NP1:ϕ_s40.00000°,δ63.00000°,λ99.00000°. NP2:ϕ_s202.00000°,δ28.00000°,λ73.00000°. Principal axes: T 7.7450,Plg71.0000°,Azm329.0000°; N -0.6170,Plg8.0000°,Azm217.0000°; P -7.1280,Plg18.0000°,Azm124.0000° $M_0$7.43600×10^{16}
BGR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 27 03 18 28.0–1.6 52.75N–.05 160.75E–.04 14–9 4.3b 72 1-68
IDC VI 27 03 18 23.2–4.5 52.17N 160.64E 0 3.9b,3.8 ¶610697587
KRSC VI 27 03 18 27.8–2.1 52.63N 160.77E 17–23 3.8L,3.8
NEIC VI 27 03 18 29.0–1.1 52.3N–.20 160.6E–.10 35–9 4.4b,3.8
ISC Event type se.
KRSC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 28 00 57 36.7–1.5 52.77N–.04 160.68E–.03 15–9 4.1b,3.4s 184 1-80
IDC VI 28 00 57 34.6–.68 52.80N 160.54E 0 3.9,3.9b ¶610696932
KRSC VI 28 00 57 36.9–1.6 52.68N 160.69E 25–21 4.4L,3.3
MOS VI 28 00 57 37.8–.79 52.58N 160.68E 29 4.2b,3.3
NEIC VI 28 00 57 41.0–1.4 52.8N–.10 160.5E–.20 44–8 4.4b,3.3
ISC Event type se.
KRSC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
KRSC VI 28 01 50 56.2–.80 52.51N 159.48E 46–11 3.8L ¶610699283
KRSC Event type se.

(220) Northwest of Kuril Islands.

ISC I 09 04 01 59.9–.60 47.66N–.07 148.92E–.09 350 3.9b 74 5-79
JMA I 09 04 02 01.3–.99 47N–5.0 150E–9.0 353 3.9 ¶610180871
NEIC I 09 04 02 01.6–1.4 47.85N–.07 148.6E–.20 380–6 4.0b
IDC I 09 04 02 04.8–1.8 47.86N 148.55E 394–20 4.1,3.3b
ISC Event type ke.
JMA Event type ke. KURILE ISLANDS REGION .
NEIC Event type se. Error ellipse: s-maj=18.7km s-min=9.6km az=93.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=17.8km s-min=12.9km az=135.0.
ISC I 17 13 53 23.5–.65 50.73N–.09 150.1E–.10 500 3.9b 43 5-80
NEIC I 17 13 53 19.8–1.0 50.80N–.10 150.4E–.20 461–9 4.1b ¶610237601
IDC I 17 13 53 26.1–1.8 50.80N 149.98E 528–23 3.9,3.0b
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=17.8km s-min=11.2km az=129.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=24.2km s-min=18.3km az=73.0.
ISC I 19 04 02 34.4–.31 47.89N–.04 148.67E–.04 384 4.3b 275 3-151
JMA I 19 04 02 32.0–.68 47N–3.0 149E–6.0 395 4.4 ¶610101690
NIED I 19 04 02 32.0 47.22N 149.38E 395 4.4W
SKHL I 19 04 02 32.7–.10 47.90N 148.80E 360–7 5.2,5.1
MOS I 19 04 02 32.4–1.1 47.96N 148.59E 372 4.0b,5.1
NEIC I 19 04 02 34.5–1.2 48.04N–.08 148.5E–.10 370–6 4.3b,5.1
IDC I 19 04 02 34.9–.96 47.96N 148.51E 379–9 4.5,3.7b
ISC Event type ke.
JMA Event type ke. SOUTHERN SEA OF OKHOTSK .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}2.40 $M_{\theta\theta}$1.13 $M_{\phi\phi}$-3.53 $M_{r\theta}$-0.08 $M_{\theta\phi}$-0.16 $M_{\phi r}$-2.52 NP1:ϕ_s182.00000°,δ65.00000°,λ90.00000°. NP2:ϕ_s2.00000°,δ25.00000°,λ90.00000°. $M_0$3.90000×10^{15}
MOS Error ellipse: s-maj=8.6km s-min=5.9km az=73.1.
NEIC Event type se. Error ellipse: s-maj=16.7km s-min=6.8km az=127.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=11.7km s-min=7.9km az=136.0.
ISC I 25 19 04 08.8–.53 47.23N–.04 146.17E–.05 400–5 4.2b 383 2-153
NIED I 25 19 04 07.6 46.95N 146.66E 417 4.4W ¶610121982
JMA I 25 19 04 07.6–.61 47N–3.0 147E–5.0 417 3.6
SKHL I 25 19 04 08.5–.20 47.30N 146.20E 395–3 5.0,4.8b
MOS I 25 19 04 08.3–.88 47.31N 146.16E 403 4.3b,4.8b
NEIC I 25 19 04 09.5–1.5 47.4N–.10 146.1E–.20 396–5 4.3b,4.8b
IDC I 25 19 04 09.2–1.3 47.41N 146.17E 396–14 4.4,3.7b
ISC Event type ke.
NIED Moment Tensor Solution. s2 Moment tensor: Scale 10^{15}Nm; M_{rr}-4.98 $M_{\theta\theta}$1.91 $M_{\phi\phi}$3.08 $M_{r\theta}$1.71 $M_{\theta\phi}$2.16 $M_{\phi r}$-1.19 NP1:ϕ_s236.00000°,δ49.00000°,λ-64.00000°. NP2:ϕ_s19.00000°,δ48.00000°,λ-117.00000°. $M_0$5.22000×10^{15}
JMA Event type ke. SOUTHERN SEA OF OKHOTSK .
MOS Error ellipse: s-maj=8.4km s-min=5.3km az=107.8.
NEIC Event type se. Error ellipse: s-maj=18.1km s-min=13.5km az=147.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=10.6km s-min=8.2km az=155.0.
ISC I 26 08 39 18.7–1.6 51.3N–.20 155.3E–.10 245–9 3.2b 32 2-74
IDC I 26 08 39 19.2–3.3 51.45N 155.12E 246–16 3.5,2.9b ¶610133036
KRSC I 26 08 39 21.3–1.2 51.35N 155.58E 241–11 3.7L,2.9b
ISC Event type se.
IDC Error ellipse: s-maj=61.7km s-min=26.0km az=172.0.
KRSC Event type se.
ISC II 23 05 37 55.4–.36 47.78N–.05 148.42E–.05 384 4.1b 392 3-151
SKHL II 23 05 37 53.5–.30 47.80N 148.60E 357–3 5.4,5.0b ¶610239717
MOS II 23 05 37 53.5–.90 47.87N 148.36E 367 4.0b,5.0b
JMA II 23 05 37 54.2–.91 47N–4.0 149E–8.0 365 4.1,5.0b
IDC II 23 05 37 55.2–1.1 47.92N 148.31E 369–11 4.4,3.6b
NEIC II 23 05 37 56.6–1.6 47.9N–.10 148.3E–.10 381–8 4.1b,3.6b
ISC Event type ke.
JMA Event type ke. KURILE ISLANDS REGION .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 25 04 39 59.4–.39 47.59N–.04 147.09E–.04 410–3 4.5b 731 2-152
BJI II 25 04 39 57.3–.00 47.72N 146.97E 396 4.8b,4.7b ¶610240971
MOS II 25 04 39 58.4–.83 47.64N 147.03E 411 4.4b,4.7b
SKHL II 25 04 39 58.2–.10 47.50N 147.10E 407–9 5.5,5.4b
NEIC II 25 04 39 59.1–1.3 47.68N–.09 147.1E–.10 403–6 4.6b,5.4b
NIED II 25 04 40 00.0 46.97N 147.36E 443 4.5W,5.4b
IDC II 25 04 40 00.1–.82 47.72N 146.96E 412–8 4.7,3.9b
JMA II 25 04 40 00.0–.43 47N–3.0 147E–3.0 443 4.6,3.9b
ISC Event type ke. Moment Tensor Solution. NP1:ϕ_s187.51839°,δ23.56335°,λ10.37121°. NP2:ϕ_s87.99541°,δ85.87301°,λ113.21944°. Principal axes: T Plg44.3497°,Azm20.9408°; N Plg23.1557°,Azm266.2270°; P Plg36.6738°,Azm157.6558°
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s2 Moment tensor: Scale 10^{15}Nm; M_{rr}3.83 $M_{\theta\theta}$-3.07 $M_{\phi\phi}$-0.76 $M_{r\theta}$4.26 $M_{\theta\phi}$-3.02 $M_{\phi r}$0.99 NP1:ϕ_s73.00000°,δ68.00000°,λ107.00000°. NP2:ϕ_s214.00000°,δ27.00000°,λ54.00000°. $M_0$6.32000×10^{15}
JMA Event type ke. SOUTHERN SEA OF OKHOTSK .
ISC III 05 10 11 28.0–.41 47.50N–.05 147.04E–.05 403 3.7b 174 2-152
SKHL III 05 10 11 27.6–.80 47.50N 147.20E 410–9 4.8s,4.7b ¶610245384
MOS III 05 10 11 28.7–.89 47.74N 146.86E 417 3.8b,4.7b
IDC III 05 10 11 29.8–1.4 47.75N 146.91E 418–15 3.9,3.1b
JMA III 05 10 11 29.8–.53 47N–3.0 147E–5.0 451 3.8,3.1b
NEIC III 05 10 11 30.5–1.3 47.7N–.10 146.9E–.20 423–9 4.0b,3.1b
ISC Event type ke.
JMA Event type ke. SOUTHERN SEA OF OKHOTSK .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 11 15 04 32.0–.89 47.2N–.10 146.2E–.10 395 3.1b 12 4-81
IDC III 11 15 04 32.6–1.5 47.24N 146.19E 402–20 3.6,2.8b ¶610546020
ISC Event type ke.
IDC Error ellipse: s-maj=30.3km s-min=17.6km az=155.0.
ISC III 13 14 10 37.8–.72 47.97N–.06 148.21E–.09 400 3.2b 20 3-80
SKHL III 13 14 10 39.0–.40 48.00N 148.30E 378–6 4.7,4.5b ¶610546142
IDC III 13 14 10 41.2–1.4 48.42N 146.23E 483–20 3.7,2.8b
ISC Event type ke.
IDC Error ellipse: s-maj=23.0km s-min=14.7km az=158.0.
IDC III 20 01 39 42.2–4.1 49.11N 151.00E 0 3.4,3.4b ¶610543293
IDC Error ellipse: s-maj=125.8km s-min=42.1km az=8.0.
ISC III 30 02 50 15.7–.49 51.94N–.06 153.21E–.07 450 3.4b 137 2-77
MOS III 30 02 50 15.3–1.1 51.96N 153.19E 475 3.6b ¶610452496
IDC III 30 02 50 16.3–.82 52.14N 152.89E 448–10 3.8,3.0b
KRSC III 30 02 50 16.2–1.9 51.76N 153.87E 478–22 4.3L,3.0b
ISC Event type se.
MOS Error ellipse: s-maj=11.0km s-min=6.1km az=60.4.
IDC Error ellipse: s-maj=15.8km s-min=10.5km az=132.0.
KRSC Event type se.
KRSC IV 03 10 16 24.6–2.7 52.80N 154.76E 436–33 3.7L ¶610476801
KRSC Event type se.
ISC IV 16 05 54 34.3–.45 47.34N–.05 147.12E–.05 403 3.6b 133 2-146
SKHL IV 16 05 54 32.6–.70 47.30N 147.20E 380–9 4.9,4.9 ¶610532512
MOS IV 16 05 54 32.3–1.2 47.45N 147.08E 385 3.8b,4.9
IDC IV 16 05 54 35.1–1.2 47.56N 146.87E 394–13 4.0,3.2b
ISC Event type ke.
MOS Error ellipse: s-maj=11.4km s-min=6.9km az=84.1.

IDC Error ellipse: s-maj=12.1km s-min=8.4km az=153.0.
ISC V 04 07 30 13.6–1.2 49.3N–.20 151.2E–.10 400 2.9b 30 5-61
IDC V 04 07 30 13.4–2.5 49.73N 150.45E 365–33 3.4,2.7b **¶610602365**
KRSC V 04 07 30 16.0–2.0 49.25N 152.11E 433–30 4.1L,2.7b
ISC Event type se.
IDC Error ellipse: s-maj=48.2km s-min=20.0km az=156.0.
KRSC Event type se.
ISC V 13 14 48 09.2–.89 49.8N–.10 150.2E–.20 400 3.2b 10 6-75
IDC V 13 14 48 09.6–1.7 49.79N 150.34E 407–22 3.5,2.8b **¶610690200**
ISC Event type ke.
IDC Error ellipse: s-maj=28.4km s-min=16.2km az=118.0.
IDC V 14 00 38 02.8–5.2 48.28N 148.86E 403–58 3.5,2.7b
¶610690227
IDC Error ellipse: s-maj=82.2km s-min=30.9km az=178.0.
ISC V 14 20 54 44.7–.59 47.88N–.08 146.90E–.09 450 3.4b 36 3-81
SKHL V 14 20 54 45.9–.60 47.70N 147.30E 464–15 4.8,4.4b **¶610667682**
IDC V 14 20 54 46.6–1.5 48.14N 146.56E 460–23 3.8,3.0b
ISC Event type ke.
IDC Error ellipse: s-maj=25.2km s-min=13.9km az=169.0.
ISC V 17 03 18 40.1–.87 47.0N–.10 148.0E–.20 400 2.9b 16 4-62
JMA V 17 03 18 45 47N–4.0 149E–8.0 405 3.1 **¶610690462**
IDC V 17 03 18 45.4–7.8 48.15N 147.34E 387–44 3.5,2.7b
ISC Event type ke.
JMA Event type ke. SOUTHERN SEA OF OKHOTSK .
IDC Error ellipse: s-maj=178.8km s-min=28.0km az=168.0.
ISC V 28 21 03 06.6–.49 47.38N–.05 146.88E–.06 450 3.5b 106 2-152
JMA V 28 21 03 05.5–.50 47N–3.0 147E–5.0 465 3.6 **¶610655274**
SKHL V 28 21 03 05.2–.60 47.50N 146.90E 435–13 5.0,4.8b
MOS V 28 21 03 05.5–1.4 47.56N 146.80E 436 3.8b,4.8b
IDC V 28 21 03 06.8–1.1 47.73N 146.61E 422–14 3.9,3.1b
ISC Event type ke.
JMA Event type ke. SOUTHERN SEA OF OKHOTSK .
MOS Error ellipse: s-maj=13.8km s-min=7.6km az=71.9.
IDC Error ellipse: s-maj=17.6km s-min=11.1km az=156.0.
ISC VI 05 22 28 25.6–.37 52.97N–.05 152.78E–.05 550 4.1b 566 3-148
KRSC VI 05 22 28 24.5–1.4 52.65N 153.97E 601–25 4.6L **¶610664092**
MOS VI 05 22 28 25.2–.64 53.09N 152.74E 550 4.1b
SKHL VI 05 22 28 25.0–.50 53.20N 152.40E 548–13 5.0,4.6s
IDC VI 05 22 28 26.1–.71 53.08N 152.72E 548–8 4.2,3.2b
NEIC VI 05 22 28 27.3–1.9 53.1N–.10 152.8E–.20 558–10 4.1b,3.2b
ISC Event type se.
KRSC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
KRSC VI 17 09 59 15.6–1.9 51.46N 154.45E 422–24 3.9L
¶610681482
KRSC Event type se.
ISC VI 17 15 46 33.2–1.2 49.5N–.20 150.8E–.10 500 3.0b 19 5-61
IDC VI 17 15 46 33.2–1.9 49.74N 150.09E 461–68 3.4,2.6b **¶610681483**
KRSC VI 17 15 46 37.0–1.5 49.07N 152.07E 519–21 4.1L,2.6b
ISC Event type se.
IDC Error ellipse: s-maj=99.3km s-min=28.2km az=124.0.
KRSC Event type se.
ISC VI 26 15 41 04.8–.57 52.52N–.08 152.59E–.07 501 3.7b 126 3-78
SKHL VI 26 15 41 04.6–.40 52.50N 152.20E 530–15 4.8,4.4b **¶610695513**
KRSC VI 26 15 41 04.8–1.5 52.29N 152.88E 520–19 4.2L,4.4b
IDC VI 26 15 41 05.6–.88 52.54N 152.67E 521–13 3.8,2.9b
NEIC VI 26 15 41 05.8–1.3 52.6N–.20 152.6E–.20 515–13 4.0b,2.9b
MOS VI 26 15 41 05.0–.89 52.55N 152.69E 527 3.7b,2.9b
ISC Event type se.
KRSC Event type se.
IDC Error ellipse: s-maj=20.3km s-min=17.7km az=115.0.
NEIC Event type se. Error ellipse: s-maj=23.8km s-min=16.3km az=155.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=12.6km s-min=9.7km az=59.3.
ISC VI 28 22 21 14.0–.47 52.48N–.07 152.86E–.06 500 3.9b 153 3-78
KRSC VI 28 22 21 12.7–1.8 52.22N 153.77E 550–35 4.4L **¶610699040**
SKHL VI 28 22 21 13.0–.30 52.50N 152.20E 511–16 5.1,4.6b
MOS VI 28 22 21 13.2–.74 52.52N 152.75E 500 4.1b,4.6b
IDC VI 28 22 21 14.3–1.2 52.60N 152.66E 500–15 3.8,2.9b
NEIC VI 28 22 21 14.2–1.1 52.5N–.20 152.7E–.20 497–13 4.0b,2.9b
ISC Event type se.
KRSC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
KRSC VI 30 20 57 05.0–1.7 52.60N 155.06E 466–19 3.8L
¶610755768
KRSC Event type se.

(221) Kuril Islands.

ISC I 01 02 34 06.4–2.0 49.1N–.10 156.3E–.10 50 29 2-63
KRSC I 01 02 34 10.2–1.2 49.42N 156.84E 40–19 4.0L **¶609949324**
IDC I 01 02 34 11.9–8.7 49.44N 156.07E 89–58 3.8,3.4b
ISC Event type se.
KRSC Event type se.
IDC Error ellipse: s-maj=135.1km s-min=53.9km az=122.0.
ISC I 01 05 49 45.9–.93 43.94N–.05 146.86E–.05 80–8 3.5b 52 1-83
IDC I 01 05 49 38.3–2.8 44.25N 147.32E 0 3.6L,3.5 **¶610236358**
MOS I 01 05 49 44.5–1.2 43.85N 146.95E 89 4.3b,3.5
SKHL I 01 05 49 46.1–.40 43.90N 147.00E 82–4 5.7,4.7b
JMA I 01 05 49 46.2–.25 44.0N–.90 147E–2.0 83–3 3.6,4.7b
ISC Event type ke.
JMA Event type ke. NEAR KUNASHIRI ISLAND .
IDC I 01 10 50 11.9–4.0 48.32N 153.10E 146–44 3.7,3.3b
¶610236381
IDC Error ellipse: s-maj=117.4km s-min=26.3km az=128.0.
ISC I 02 12 26 03.6–.75 44.85N–.06 149.85E–.07 51 3.5b 54 1-141
MOS I 02 12 26 02.4–.80 45.01N 149.77E 53 4.0b **¶610236466**
SKHL I 02 12 26 02.4–.60 45.00N 149.90E 54–5 4.7b
JMA I 02 12 26 02.7–1.2 45N–4.0 150E–8.0 30 3.9
IDC I 02 12 26 05.2–3.4 44.98N 149.79E 60–31 3.5,3.3L
ISC Event type ke.
MOS Error ellipse: s-maj=19.0km s-min=11.8km az=150.3.
JMA Event type ke. SE OFF ETOROFU .
IDC Error ellipse: s-maj=35.0km s-min=15.3km az=144.0.
ISC I 03 01 33 40.0–3.2 44.0N–.10 148.4E–.20 47 21 1-4
JMA I 03 01 33 36.4–.33 44N–2.0 148E–2.0 0 3.5 **¶614092442**
SKHL I 03 01 33 38.3–.20 43.90N 148.40E 28–3 4.0b
ISC Event type ke.
JMA Event type ke. SE OFF ETOROFU .
ISC I 03 18 29 54.3–1.2 49.5N–.30 153.9E–.30 300 2.9b 17 2-76
IDC I 03 18 29 52.5–2.6 49.59N 152.89E 250–28 3.2,2.7b **¶609975324**
KRSC I 03 18 29 54.6–1.9 49.22N 154.36E 288–13 3.6L,2.7b
ISC Event type se.
IDC Error ellipse: s-maj=129.7km s-min=19.1km az=128.0.
KRSC Event type se.
ISC I 04 05 02 24.1–1.6 50.5N–.10 157.2E–.10 120–12 3.2b 32 1-136
IDC I 04 05 02 02.0–2.8 49.16N 156.97E 0 3.5,3.3L **¶609985560**
KRSC I 04 05 02 23.0–2.1 50.45N 157.40E 104–23 4.1L,3.3L
ISC Event type se.
IDC Error ellipse: s-maj=71.3km s-min=27.3km az=153.0.
KRSC Event type se.
JMA I 04 05 02 55.7–.98 46N–7.0 152E–9.0 30 4.0
¶614094418
JMA Event type ke. KURILE ISLANDS REGION .
ISC I 07 12 18 38.0–1.8 44.53N–.08 146.05E–.07 23–15 17 1-2
JMA I 07 12 18 38.7–.47 45N–2.0 146E–2.0 30 2.7 **¶614099166**
SKHL I 07 12 18 38.8–.10 44.60N 146.00E 33–3 3.8b
ISC Event type ke.
JMA Event type ke. NEAR KUNASHIRI ISLAND .
SKHL I 09 06 00 39.9–.40 45.00N 150.00E 54–5 4.6b
JMA I 09 06 00 40.7–.95 45N–3.0 150E–6.0 30 4.3 **¶614101195**
JMA Event type ke. KURILE ISLANDS REGION .
ISC I 09 19 15 26.5–1.3 48.5N–.10 155.2E–.20 36 3.4b 25 2-137
KRSC I 09 19 15 28.8–1.5 48.66N 156.26E 16–20 4.2L **¶610051538**
IDC I 09 19 15 30.5–3.3 48.71N 154.89E 76–32 3.7,3.2b
ISC Event type se.
KRSC Event type se.
IDC Error ellipse: s-maj=46.0km s-min=21.8km az=126.0.
ISC I 11 05 35 13.4–3.3 44.1N–.10 148.2E–.20 70 17 1-4
SKHL I 11 05 35 11.5–.20 44.00N 148.40E 47–5 4.6b **¶614103052**
JMA I 11 05 35 11.2–.43 44N–2.0 148E–2.0 0 3.9
ISC Event type ke.
JMA Event type ke. SE OFF ETOROFU .
ISC I 11 14 18 24.2–1.6 43.65N–.06 146.15E–.06 69–10 26 0-3
SKHL I 11 14 18 24.6–.30 43.60N 146.20E 64–2 4.6b **¶614103427**
JMA I 11 14 18 24.1–.17 43.6N–.50 146.1E–.90 75–1 3.6
ISC Event type ke.
JMA Event type ke. NEAR KUNASHIRI ISLAND .
ISC I 11 14 58 38.3–3.1 44.3N–.10 147.9E–.20 30–28 26 1-4
JMA I 11 14 58 39.1–.31 44N–2.0 148E–2.0 59 3.5 **¶614103452**
SKHL I 11 14 58 40.0–.10 44.30N 147.80E 61–4 4.5b
ISC Event type ke.
JMA Event type ke. SE OFF ETOROFU .
ISC I 14 01 08 37.0–4.3 44.9N–.10 149.6E–.20 60 23 1-7
JMA I 14 01 08 36.2–.91 45N–5.0 150E–6.0 30 4.2 **¶614105875**
SKHL I 14 01 08 38.5–.50 44.80N 149.40E 65–7 4.8b
ISC Event type ke.
JMA Event type ke. SE OFF ETOROFU .
KRSC I 15 19 13 02.5–1.1 49.53N 156.87E 44–19 3.7L
¶610096760
KRSC Event type se.
ISC I 16 04 52 47.2–1.2 49.3N–.10 156.68E–.10 50 3.8b 45 1-78
KRSC I 16 04 52 52.2–2.6 49.65N 157.20E 48–35 4.1L **¶610098411**
IDC I 16 04 52 57.4–7.1 50.07N 155.98E 101–45 3.7,3.4b
ISC Event type se.
KRSC Event type se.
IDC Error ellipse: s-maj=66.5km s-min=21.7km az=168.0.
ISC I 16 07 39 30.3–1.6 43.36N–.07 146.95E–.07 42–14 3.4b 52 1-72
MOS I 16 07 39 30.2–1.4 43.28N 146.76E 64 4.2b **¶610237495**
JMA I 16 07 39 30.8–.27 43.4N–.90 147E–1.0 38–3 3.8
IDC I 16 07 39 30.5–7.0 42.73N 146.93E 78–36 3.6,3.3b
SKHL I 16 07 39 31.3–.00 43.40N 146.90E 59–9 4.6b,3.3b
ISC Event type ke.
MOS Error ellipse: s-maj=17.6km s-min=11.8km az=105.2.
JMA Event type ke. E OFF HOKKAIDO .
IDC Error ellipse: s-maj=91.6km s-min=16.8km az=173.0.
KRSC I 17 04 36 45.8–1.4 48.43N 155.39E 21–24 3.7L
¶610099365
KRSC Event type se.
ISC I 17 18 28 10.9–1.1 49.90N–.07 156.36E–.07 66–9 4.4b 188 1-145
KRSC I 17 18 28 08.2–2.3 49.92N 156.35E 78–14 4.6L **¶610099178**
IDC I 17 18 28 09.7–.68 49.91N 156.11E 51–6 3.9,3.7b
MOS I 17 18 28 10.0–.99 49.95N 156.26E 75 4.5b,3.7b
NEIC I 17 18 28 13.1–1.5 50.1N–.10 156.1E–.20 79–8 4.5b,3.7b
ISC Event type se.
KRSC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 20 08 06 39.0–.65 48.08N–.07 155.23E–.07 33 4.0b 118 3-137
MOS I 20 08 06 35.9–1.1 48.09N 155.18E 19 4.4b **¶610103748**
KRSC I 20 08 06 38.2–2.0 48.18N 156.35E 15–37 4.1L
SKHL I 20 08 06 40.2–.30 48.10N 155.30E 64–6 4.8b
IDC I 20 08 06 42.6–2.7 48.26N 154.90E 58–23 3.8,3.7L
ISC Event type se.
MOS Error ellipse: s-maj=13.1km s-min=4.6km az=73.5.
KRSC Event type se.
IDC Error ellipse: s-maj=22.8km s-min=15.3km az=143.0.
ISC I 20 14 25 53.7–1.0 43.67N–.07 147.62E–.07 45 3.5b 43 1-70
JMA I 20 14 25 50.6–.36 44N–1.0 148E–2.0 23 3.7 **¶610234941**
SKHL I 20 14 25 52.9–.20 43.60N 147.70E 53–6 4.5b
MOS I 20 14 25 54.0–1.3 43.82N 147.40E 63 4.1b
IDC I 20 14 25 59.2–5.1 44.30N 147.25E 61–41 3.6s,3.6
ISC Event type ke.
JMA Event type ke. E OFF HOKKAIDO .
MOS Error ellipse: s-maj=17.2km s-min=15.2km az=71.4.
IDC Error ellipse: s-maj=94.5km s-min=26.3km az=164.0.
IDC I 21 19 27 39.6–9.1 48.13N 153.69E 213–49 3.9,3.4b
¶610235012
IDC Error ellipse: s-maj=136.4km s-min=48.4km az=144.0.
ISC I 22 07 02 28.5–1.1 49.18N–.10 156.1E–.10 34 3.5b 57 2-137
MOS I 22 07 02 22.8–.86 48.82N 156.01E 19 3.7b **¶610105486**
KRSC I 22 07 02 30.5–2.2 49.41N 156.82E 15–33 4.2L
IDC I 22 07 02 30.1–4.1 49.17N 155.91E 51–33 3.6,3.3b
ISC Event type se.
MOS Error ellipse: s-maj=30.8km s-min=5.0km az=77.1.
KRSC Event type se.
IDC Error ellipse: s-maj=62.8km s-min=19.0km az=149.0.
ISC I 23 08 10 29.9–.86 44.06N–.06 149.57E–.08 38 3.7b 51 2-81
IDC I 23 08 10 25.8–3.6 44.31N 149.36E 0 3.7,3.7b **¶610180909**
SKHL I 23 08 10 27.7–.10 44.10N 149.70E 37–7 4.8b,3.7b
JMA I 23 08 10 27.8–.72 44N–3.0 150E–4.0 30 4.2,3.7b
MOS I 23 08 10 28.6–.93 44.19N 149.57E 33 4.3b,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=96.1km s-min=25.3km az=174.0.
JMA Event type ke. SE OFF ETOROFU .
MOS Error ellipse: s-maj=19.7km s-min=14.3km az=27.6.
ISC I 23 14 52 36.8–.53 49.62N–.07 156.16E–.06 54 4.4b,3.5s 194 1-149
MOS I 23 14 52 32.7–.93 49.30N 156.13E 48 4.6b,3.5s **¶610105777**
KRSC I 23 14 52 35.8–1.6 49.52N 156.92E 45–25 4.7L,3.5s
NEIC I 23 14 52 35.7–2.9 49.7N–.10 156.2E–.20 41–5 4.5b,3.5s
IDC I 23 14 52 38.1–1.1 49.69N 156.05E 64–7 4.0,3.7b
ISC Event type ke.
MOS Error ellipse: s-maj=13.8km s-min=4.1km az=79.8.
KRSC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.3km s-min=13.8km az=131.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=26.6km s-min=13.9km az=163.0.
ISC I 25 18 31 28.7–.41 45.33N–.05 151.50E–.04 66–2 4.7b 324 3-149
BJI I 25 18 31 26.4–.00 45.77N 151.62E 56 5.0b,4.8s **¶610121979**
MOS I 25 18 31 28.2–1.1 45.52N 151.46E 72 4.8b,3.1s
NIED I 25 18 31 29.6 45.43N 151.31E 30 4.5W,3.1s
JMA I 25 18 31 29.6–.79 45N–4.0 151E–5.0 30 5.4,3.1s
SKHL I 25 18 31 30.1–.50 45.40N 151.40E 86–4 6.2,5.6b
NEIC I 25 18 31 31.7–2.2 45.7N–.10 151.33E–.10 74–9 4.8b,5.6b
IDC I 25 18 31 31.2–.49 45.63N 151.28E 79–4 4.3,4.0b
ISC Event type ke.
MOS Error ellipse: s-maj=6.9km s-min=5.6km az=91.6.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.23 $M_{\theta\theta}$3.00 $M_{\phi\phi}$-3.23 $M_{r\theta}$2.51 $M_{\theta\phi}$-4.42 $M_{\phi r}$0.27 NP1:ϕ_s72.00000°,δ86.00000°,λ155.00000°. NP2:ϕ_s164.00000°,δ66.00000°,λ5.00000°. $M_0$5.96000×10^{15}
JMA Event type ke. KURILE ISLANDS REGION .
NEIC Event type se. Error ellipse: s-maj=22.1km s-min=2.4km az=154.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=13.9km s-min=9.1km az=154.0.
ISC I 26 23 55 37.2–.61 46.78N–.08 153.04E–.07 56 4.3b,3.3s 116 4-139
JMA I 26 23 55 34.2–1.1 47N–6.0 153E–9.0 30 4.6,3.3s **¶610180916**
MOS I 26 23 55 36.0–2.1 46.90N 153.20E 33 4.3b,3.3s
SKHL I 26 23 55 38.8–.90 47.10N 152.90E 72–7 4.9b,3.3s

NEIC I 26 23 55 38.6–1.2 47.0N–.10 152.9E–.20 59–10 4.5b,3.3s
IDC I 26 23 55 39.1–2.6 46.99N 152.99E 68–23 3.9,3.6b
ISC Event type ke.
JMA Event type ke. KURILE ISLANDS REGION .
MOS Error ellipse: s-maj=12.5km s-min=7.8km az=65.7.
NEIC Event type se. Error ellipse: s-maj=25.2km s-min=11.8km az=139.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=18.7km s-min=14.1km az=147.0.
ISC I 27 12 56 33.9–2.0 43.78N–.10 147.4E–.10 63 28 1-3
JMA I 27 12 56 34.3–.24 43.7N–.80 147E–1.0 29 3.7 **¶614118287**
SKHL I 27 12 56 35.6–.20 43.80N 147.30E 43–5 4.8b
ISC Event type ke.
JMA Event type ke. E OFF HOKKAIDO .
ISC I 27 21 22 11.2–.94 49.7N–.20 154.3E–.30 250 3.5b 27 2-76
KRSC I 27 21 22 11.2–1.9 49.46N 155.11E 282–20 4.0L **¶610145140**
IDC I 27 21 22 15.6–3.1 50.27N 153.12E 311–32 3.7,3.0b
ISC Event type se.
KRSC Event type se.
IDC Error ellipse: s-maj=16.8km s-min=11.8km az=134.0.
KRSC I 28 14 30 30.6–1.3 50.59N 157.61E 42–19 3.7L
¶610150200
KRSC Event type se.
ISC I 30 02 12 15.6–.47 47.47N–.05 152.86E–.04 108–4 4.6b 539 4-148
BJI I 30 02 12 14.4–.00 47.63N 152.99E 128 4.9b,4.4b **¶610147701**
MOS I 30 02 12 15.0–1.1 47.49N 152.79E 117 4.7b,3.1s
SKHL I 30 02 12 15.1–.80 47.30N 153.10E 109–9 5.8,5.4
IDC I 30 02 12 16.7–.55 47.65N 152.54E 112–4 4.2,3.8b
NEIC I 30 02 12 17.5–1.4 47.7N–.10 152.6E–.10 119–8 4.7b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 31 19 11 24.7–.54 50.97N–.05 156.47E–.05 134–4 4.4b 408 0-151
KRSC I 31 19 11 20.9–2.0 50.75N 156.69E 137–14 4.7L **¶610159380**
MOS I 31 19 11 23.4–.78 50.96N 156.46E 136 4.4b
NEIC I 31 19 11 25.6–1.3 51.12N–.07 156.26E–.08 135–7 4.4b
IDC I 31 19 11 25.7–.74 51.14N 156.23E 137–6 4.2,3.8b
ISC Event type se.
KRSC Event type se.
MOS Error ellipse: s-maj=10.5km s-min=3.5km az=70.6.
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=6.2km az=200.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=14.3km s-min=7.5km az=139.0.
ISC II 01 12 53 54.0–.89 50.8N–.10 156.6E–.10 130 3.2b 35 0-77
KRSC II 01 12 53 51.2–1.6 50.67N 156.85E 119–10 4.0L **¶610177513**
IDC II 01 12 53 54.9–2.3 51.09N 156.28E 130–24 3.5,3.0b
ISC Event type se.
KRSC Event type se.
IDC Error ellipse: s-maj=38.3km s-min=23.4km az=141.0.
ISC II 01 15 18 10.5–.57 48.16N–.05 153.26E–.05 163–4 4.4b 410 3-139
BGR II 01 15 18 01.6 49.03N 153.68E 33 5.0b **¶610169731**
KRSC II 01 15 18 09.0–2.2 48.23N 153.37E 170–52 4.6L
MOS II 01 15 18 09.4–.92 48.28N 152.98E 152 4.5b
SKHL II 01 15 18 09.4–.20 48.00N 153.60E 149–6 5.6s,5.0b
NEIC II 01 15 18 11.2–1.5 48.4N–.10 152.8E–.20 154–11 4.4b,5.0b
JMA II 01 15 18 12.9–.90 47N–8.0 154E–9.0 198 4.0,5.0b
IDC II 01 15 18 12.2–1.7 48.31N 152.99E 164–15 4.2,3.8b
ISC Event type ke.
ISC Event type ke. Hypocentre not reviewed by the ISC.
KRSC Event type se.
MOS Error ellipse: s-maj=7.3km s-min=4.1km az=78.2.
NEIC Event type se. Error ellipse: s-maj=25.4km s-min=11.8km az=139.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. KURILE ISLANDS REGION .
IDC Error ellipse: s-maj=15.1km s-min=9.5km az=140.0.
ISC II 02 03 05 54.4–1.7 43.47N–.06 146.07E–.06 70–10 28 0-4
JMA II 02 03 05 54.9–.17 43.5N–.50 146.0E–.90 72–1 3.6 **¶614123282**
SKHL II 02 03 05 55.4–.20 43.50N 146.10E 64–3 4.7b
ISC Event type ke.
JMA Event type ke. NEMURO REGION .
ISC II 02 06 39 55.3–3.3 44.1N–.10 148.5E–.20 50 20 1-5
JMA II 02 06 39 52.9–.57 44N–2.0 148E–3.0 0 4.2 **¶610247213**
NIED II 02 06 39 52.9 43.95N 148.29E 0 3.7W
SKHL II 02 06 39 56.1–.40 44.10N 148.40E 55–4 4.6b
ISC Event type ke.
JMA Event type ke. SE OFF ETOROFU .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-0.16 $M_{\theta\theta}$1.64 $M_{\phi\phi}$-1.48 $M_{r\theta}$1.87 $M_{\theta\phi}$-1.10 $M_{\phi r}$2.76 NP1:ϕ_s49.00000°,δ89.00000°,λ117.00000°. NP2:ϕ_s140.00000° ,δ27.00000°,λ2.00000°. $M_0$3.65000×10^{14}
ISC II 02 12 08 07.3–1.2 45.4N–.20 150.0E–.10 200 3.0b 29 2-67
SKHL II 02 12 08 06.0–.60 44.80N 150.90E 50–4 4.2b **¶614123523**
JMA II 02 12 08 08.7–.85 45N–5.0 150E–7.0 190 3.5
IDC II 02 12 08 44.0–18 47.94N 154.60E 292–67 3.2,2.5b
ISC Event type ke.
JMA Event type ke. KURILE ISLANDS REGION .
IDC Error ellipse: s-maj=302.0km s-min=158.1km az=69.0.
ISC II 02 14 49 19.1–.78 45.3N–.10 147.4E–.10 200 3.2b 29 2-82
SKHL II 02 14 49 20.2–.30 42.60N 149.10E 48–5 3.7b **¶610414682**
JMA II 02 14 49 20.3–.56 45N–2.0 147E–4.0 186 3.8
IDC II 02 14 49 21.1–2.5 45.74N 147.05E 211–24 3.5,3.0b
ISC Event type ke.
JMA Event type ke. NEAR ETOROFU ISLAND .
IDC Error ellipse: s-maj=31.3km s-min=16.8km az=112.0.
ISC II 02 19 35 44.4–1.1 45.5N–.20 151.3E–.10 150 3.3b 23 2-79
IDC II 02 19 35 43.8–4.9 46.61N 150.60E 155–47 3.5,3.1b **¶610414694**
SKHL II 02 19 35 46.4–.40 45.00N 151.70E 45–4 4.2b,3.1b
JMA II 02 19 35 46.4–.76 46N–6.0 151E–8.0 149 3.2,3.1b
ISC Event type ke.
JMA Event type ke. KURILE ISLANDS REGION .
SKHL II 03 12 25 56.1–.20 45.20N 149.20E 127–7 4.6s,4.1b
JMA II 03 12 25 33.5–.78 46N–4.0 151E–6.0 164 3.7,4.1b **¶614124310**
JMA Event type ke. KURILE ISLANDS REGION .
ISC II 04 04 13 39.7–2.8 43.76N–.10 147.5E–.10 8–13 24 1-3
JMA II 04 04 13 43.9–.32 44N–1.0 147E–2.0 22 3.7 **¶614124965**
SKHL II 04 04 13 44.2–.30 43.80N 147.40E 43–2 4.5b
ISC Event type ke.
JMA Event type ke. E OFF HOKKAIDO .
ISC II 06 01 31 30.4–2.0 43.84N–.10 147.9E–.10 71–12 3.5b 38 1-70
MOS II 06 01 31 17.3–1.5 43.08N 149.07E 42 4.0b **¶610414921**
IDC II 06 01 31 23.1–29 44.25N 147.93E 0 3.7,3.7b
SKHL II 06 01 31 33.4–.20 44.00N 147.60E 92–2 5.4s,4.8b
JMA II 06 01 31 33.4–.30 44N–1.0 148E–2.0 61 3.5,4.8b
ISC Event type ke.
JMA Event type ke. E OFF HOKKAIDO .
KRSC II 06 05 42 23.0–2.3 50.26N 155.60E 221–17 3.9L
¶615296546
KRSC Event type se.
ISC II 06 07 12 47.9–.42 48.54N–.05 154.81E–.05 50 4.3b,3.5s 237 2-147
KRSC II 06 07 12 46.3–2.4 48.54N 155.03E 88–39 4.7L,3.5s **¶610197736**
SKHL II 06 07 12 47.6–.20 48.40N 155.10E 78–7 4.9b,3.5s
MOS II 06 07 12 47.5–.95 48.57N 154.73E 68 4.6b,3.5s
IDC II 06 07 12 50.0–2.8 48.63N 154.55E 71–24 4.1,3.8b
NEIC II 06 07 12 50.2–1.6 48.73N–.10 154.4E–.10 66–7 4.4b,3.8b
ISC Event type se.
KRSC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 07 10 25 35.4–2.2 49.9N–.20 156.83E–.09 93–13 3.5b 65 1-136
IDC II 07 10 25 20.8–3.1 49.06N 156.57E 0 3.6,3.5b **¶610199137**
MOS II 07 10 25 32.1–.92 49.59N 156.71E 66 3.9b,3.5b
KRSC II 07 10 25 37.6–2.4 50.04N 157.17E 70–27 4.2L,3.5b
ISC Event type se.
IDC Error ellipse: s-maj=63.6km s-min=29.7km az=152.0.
MOS Error ellipse: s-maj=26.2km s-min=5.0km az=79.4.
KRSC Event type se.
ISC II 07 17 29 50.4–.75 48.51N–.08 154.45E–.08 51 3.5b 67 2-138
MOS II 07 17 29 43.7–1.1 48.00N 155.06E 16 4.1b **¶610199139**
KRSC II 07 17 29 48.0–1.4 48.21N 156.36E 14–28 4.4L
SKHL II 07 17 29 51.9–.10 48.60N 154.20E 80–5 5.5,4.7b
IDC II 07 17 29 52.4–3.8 48.42N 154.55E 76–34 3.5,3.2s
ISC Event type se.
MOS Error ellipse: s-maj=24.3km s-min=5.7km az=71.9.
KRSC Event type se.
IDC Error ellipse: s-maj=30.9km s-min=17.6km az=147.0.
ISC II 08 14 07 31.5–.43 45.19N–.04 150.14E–.04 58–3 4.5b,3.8s 377 2-151
JMA II 08 14 07 30.7–.76 45N–3.0 150E–5.0 30 4.7,3.8s **¶610205570**
NIED II 08 14 07 30.7 45.39N 150.13E 30 4.3W,3.8s
SKHL II 08 14 07 31.8–.50 45.20N 150.20E 76–4 5.6b,3.8s
MOS II 08 14 07 31.0–.86 45.28N 150.10E 66 4.8b,3.8s
IDC II 08 14 07 31.9–.56 45.43N 149.93E 52–4 4.1,3.9b
NEIC II 08 14 07 32.4–1.5 45.2N–.10 150.1E–.10 58–6 4.6b,3.9b
ISC Event type ke.
JMA Event type ke. KURILE ISLANDS REGION .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.26 $M_{\theta\theta}$1.75 $M_{\phi\phi}$-1.49 $M_{r\theta}$-0.84 $M_{\theta\phi}$-0.32 $M_{\phi r}$2.04 NP1:ϕ_s143.00000°,δ86.00000°,λ-52.00000°. NP2:ϕ_s238.00000° ,δ39.00000°,λ-173.00000°. $M_0$2.71000×10^{15}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 08 18 35 23.1–1.6 44.32N–.06 149.13E–.09 42–16 3.2b 45 1-81
IDC II 08 18 35 17.5–2.0 44.35N 148.91E 0 3.4,3.4b **¶610247240**
NIED II 08 18 35 23.8 44.67N 148.95E 30 3.7W,3.4b
JMA II 08 18 35 23.8–.60 45N–3.0 149E–3.0 30 4.3,3.4b
SKHL II 08 18 35 24.6–.20 44.40N 149.10E 63–2 4.8b,3.4b
MOS II 08 18 35 24.0–1.4 44.51N 148.97E 64 4.2b,3.4b
ISC Event type ke.
IDC Error ellipse: s-maj=63.5km s-min=23.0km az=160.0.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-0.53 $M_{\theta\theta}$2.89 $M_{\phi\phi}$-2.36 $M_{r\theta}$0.31 $M_{\theta\phi}$-0.65 $M_{\phi r}$-2.70 NP1:ϕ_s320.00000°,δ77.00000°,λ-37.00000°. NP2:ϕ_s60.00000° ,δ54.00000°,λ-164.00000°. $M_0$3.72000×10^{14}
JMA Event type ke. SE OFF ETOROFU .
MOS Error ellipse: s-maj=17.4km s-min=14.9km az=158.5.
ISC II 09 03 24 00.8–.51 44.92N–.05 149.66E–.06 100 4.2b 176 1-150
SKHL II 09 03 24 00.6–.20 44.90N 149.70E 103–2 6.5,5.4b **¶610205759**
MOS II 09 03 24 00.4–.96 45.13N 149.58E 101 4.3b,5.4b
IDC II 09 03 24 00.5–3.0 45.20N 149.48E 83–27 4.0,3.7b
JMA II 09 03 24 01.4–.68 45N–3.0 150E–4.0 30 4.8,3.7b
NEIC II 09 03 24 04.7–1.9 45.2N–.10 149.4E–.10 124–9 4.3b,3.7b
ISC Event type ke.
JMA Event type ke. SE OFF ETOROFU .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 09 15 25 51.7–.41 46.71N–.05 152.96E–.05 50 4.4b,3.6s 278 4-149
JMA II 09 15 25 48.8–1.1 47N–5.0 153E–8.0 30 4.5,3.6s **¶610206142**
NIED II 09 15 25 48.8 46.64N 153.27E 30 4.1W,3.6s
MOS II 09 15 25 52.4–1.1 46.80N 152.86E 73 4.5b,3.6s
SKHL II 09 15 25 53.0–.40 46.80N 153.00E 76–4 5.2b,3.6s
IDC II 09 15 25 54.9–2.4 46.91N 152.75E 74–21 4.1,3.7b
NEIC II 09 15 25 55.8–1.7 47.0N–.10 152.7E–.10 77–7 4.4b,3.7b
ISC Event type ke.
JMA Event type ke. KURILE ISLANDS REGION .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.02 $M_{\theta\theta}$1.43 $M_{\phi\phi}$-1.45 $M_{r\theta}$-0.58 $M_{\theta\phi}$0.62 $M_{\phi r}$0.11 NP1:ϕ_s304.00000°,δ83.00000°,λ19.00000°. NP2:ϕ_s212.00000° ,δ71.00000°,λ173.00000°. $M_0$1.67000×10^{15}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 09 17 29 19.6–.61 46.08N–.07 153.16E–.06 31 4.2b 104 4-78
IDC II 09 17 29 16.0–.79 46.18N 152.95E 0 3.8,3.8b **¶610207645**
MOS II 09 17 29 16.7–1.2 46.10N 153.13E 61 4.4b,3.8b
NEIC II 09 17 29 17.0–1.2 46.0N–.20 153.2E–.20 20–8 4.3b,3.8b
NIED II 09 17 29 16.3 46.03N 153.43E 30 4.0W,3.8b
SKHL II 09 17 29 20.7–.20 46.10N 153.20E 58–7 4.8b,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=20.8km s-min=15.7km az=135.0.
MOS Error ellipse: s-maj=8.6km s-min=7.2km az=76.3.
NEIC Event type se. Error ellipse: s-maj=27.8km s-min=12.0km az=144.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.03 $M_{\theta\theta}$0.54 $M_{\phi\phi}$-0.51 $M_{r\theta}$-1.02 $M_{\theta\phi}$-0.14 $M_{\phi r}$-0.15 NP1:ϕ_s71.00000°,δ86.00000°,λ-112.00000°. NP2:ϕ_s331.00000° ,δ22.00000°,λ-11.00000°. $M_0$1.11000×10^{15}
ISC II 12 05 09 20.1–.49 47.23N–.06 153.75E–.05 31 4.3b,3.4s 121 4-148
SKHL II 12 05 09 20.5–.20 47.10N 153.90E 64–5 4.9b,3.4s **¶610208505**
MOS II 12 05 09 20.4–1.1 47.23N 153.70E 52 4.5b,3.4s
NEIC II 12 05 09 22.0–1.3 47.3N–.10 153.6E–.20 39–6 4.5b,3.4s
IDC II 12 05 09 23.4–2.5 47.25N 153.60E 63–22 3.9,3.5b
ISC Event type se.
MOS Error ellipse: s-maj=10.3km s-min=6.5km az=61.9.
NEIC Event type se. Error ellipse: s-maj=19.7km s-min=11.0km az=131.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=19.1km s-min=13.1km az=142.0.
ISC II 12 07 33 28.0–.98 47.1N–.20 153.4E–.20 100 3.2b 11 4-139
SKHL II 12 07 33 26.0–.70 45.50N 154.30E 55–2 4.3b **¶610415362**
IDC II 12 07 33 26.5–3.6 47.28N 153.86E 71–34 3.5,3.1b
ISC Event type ke.
IDC Error ellipse: s-maj=47.9km s-min=22.7km az=132.0.
ISC II 12 19 40 22.9–2.7 43.82N–.07 147.22E–.07 18–19 47 1-50
MOS II 12 19 40 25.1–1.0 43.94N 147.15E 46 3.9b **¶611603269**
JMA II 12 19 40 25.9–.22 43.8N–.70 147E–1.0 39–4 3.6
SKHL II 12 19 40 26.4–.30 43.90N 147.10E 45–4 4.8b
ISC Event type fe.
MOS Event type fe. Error ellipse: s-maj=18.6km s-min=16.0km az=88.6. Felt (II-III) at Malokuril'skoye. Moment Tensor Solution.
JMA Event type ke. E OFF HOKKAIDO .
ISC II 13 00 52 12.0–.88 46.7N–.10 152.1E–.10 10 3.8b 22 3-139
SKHL II 13 00 52 07.7–.40 45.20N 153.50E 44–5 4.5b **¶610415409**
IDC II 13 00 52 11.2–.94 46.82N 152.20E 0 3.7,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=27.8km s-min=19.2km az=126.0.
KRSC II 13 22 08 03.9–1.9 49.59N 156.84E 15–29 4.2L
¶610208987
KRSC Event type se.
ISC II 14 05 30 50.5–2.2 45.1N–.20 151.2E–.20 35 3.3b 10 2-79
SKHL II 14 05 30 51.3–.40 45.00N 151.20E 45–4 4.5b **¶610415485**
IDC II 14 05 31 44.3–18 46.62N 148.98E 433–190 3.3,2.5b
ISC Event type ke.
IDC Error ellipse: s-maj=134.3km s-min=34.0km az=173.0.
ISC II 14 16 43 35.9–.45 45.12N–.04 148.77E–.04 110–3 4.6b 697 1-151
SKHL II 14 16 43 34.9–.10 45.10N 148.90E 113–5 5.9,5.5 **¶610209108**
BJI II 14 16 43 34.8–.00 45.36N 148.86E 126 4.8b,4.6b
MOS II 14 16 43 35.7–.94 45.21N 148.65E 117 4.5b,4.6b
IDC II 14 16 43 36.1–.57 45.34N 148.45E 107–5 4.3,3.9b
JMA II 14 16 43 37.1–.54 45N–2.0 149E–3.0 107 4.4,4.3
NIED II 14 16 43 37.1 44.86N 148.82E 107 4.6W,4.3
NEIC II 14 16 43 39.3–.89 45.39N–.08 148.5E–.10 128–4 4.6b,4.3
ISC Event type ke.
JMA Event type ke. SE OFF ETOROFU .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}5.09 $M_{\theta\theta}$-2.83 $M_{\phi\phi}$-2.26 $M_{r\theta}$-4.22 $M_{\theta\phi}$-3.90 $M_{\phi r}$-4.79 NP1:ϕ_s222.00000°,δ69.00000°,λ86.00000°. NP2:ϕ_s54.00000° ,δ21.00000°,λ101.00000°. $M_0$8.61000×10^{15}

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA II 16 08 39 54.0–.21 44N–1.0 147E–1.0 72–3 2.1
SKHL II 16 08 39 42.2–.60 44.30N 143.80E 45–4 3.6b ¶614135390
JMA Event type ke. E OFF HOKKAIDO .
ISC II 16 22 50 11.0–.57 48.52N–.07 155.05E–.07 50 3.8b 124 2-137
SKHL II 16 22 50 12.0–.70 48.50N 155.10E 79–2 4.7b ¶610223758
MOS II 16 22 50 12.2–.91 48.69N 154.77E 76 4.1b
KRSC II 16 22 50 13.2–2.2 48.59N 156.46E 30–27 4.5L
IDC II 16 22 50 14.4–2.6 48.71N 154.69E 81–24 3.8,3.5b
NEIC II 16 22 50 14.2–1.8 48.8N–.20 154.5E–.20 60–10 4.1b,3.5b
ISC Event type se.
KRSC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 17 13 46 25.7–1.5 43.08N–.06 146.48E–.05 33–7 3.7b 61 1-72
IDC II 17 13 46 20.9–.92 43.18N 146.76E 0 3.8,3.8b ¶610243810
MOS II 17 13 46 25.5–1.1 43.00N 146.50E 47 4.1b,3.8b
JMA II 17 13 46 27.2–.15 43.1N–.50 146.4E–.80 47–1 4.0,3.8b
SKHL II 17 13 46 27.6–.40 43.10N 146.40E 62–2 4.8b,3.8b
NIED II 17 13 46 27.2 43.11N 146.40E 47 3.8W,3.8b
ISC Event type ke.
IDC Error ellipse: s-maj=22.5km s-min=18.1km az=133.0.
MOS Error ellipse: s-maj=17.2km s-min=9.5km az=106.6.
JMA Event type fe. OFF NEMURO PENINSULA .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}2.45 $M_{\theta\theta}$-0.95 $M_{\phi\phi}$-1.49
$M_{r\theta}$5.09 $M_{\theta\phi}$-3.05 $M_{\phi r}$0.77 NP1:ϕ_s75.00000°,δ77.00000°,λ116.00000°. NP2:ϕ_s189.00000°
,δ29.00000°,λ27.00000°. $M_0$6.35000×10^{14}
ISC II 17 18 07 13.8–.59 45.75N–.05 150.63E–.05 111–5 4.3b 293 2-140
MOS II 17 18 07 13.9–1.3 45.85N 150.58E 125 4.2b ¶610228729
NEIC II 17 18 07 13.7–2.1 45.89N–.09 150.4E–.10 100–7 4.5b
SKHL II 17 18 07 13.5–.20 45.70N 150.80E 123–3 6.2,5.6s
IDC II 17 18 07 16.9–1.9 45.96N 150.46E 129–16 4.2,3.8b
JMA II 17 18 07 16.8–.73 45N–3.0 151E–5.0 102 4.4,3.8b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. KURILE ISLANDS REGION .
ISC II 18 15 55 16.1–.75 47.5N–.10 152.4E–.10 150 3.5b 28 4-139
SKHL II 18 15 55 15.6–.10 45.00N 153.80E 34–4 4.3b ¶610243817
IDC II 18 15 55 17.4–3.8 47.72N 152.52E 152–33 3.7,3.3b
ISC Event type ke.
IDC Error ellipse: s-maj=23.9km s-min=14.9km az=162.0.
ISC II 18 18 53 13.9–.96 48.1N–.10 154.4E–.10 42 3.5b 54 3-138
KRSC II 18 18 53 09.6–1.9 48.05N 154.59E 44–33 4.2L ¶610244597
MOS II 18 18 53 10.9–.56 48.07N 154.24E 37 3.8b
SKHL II 18 18 53 10.8–.20 47.80N 155.00E 47–4 4.1b
IDC II 18 18 53 17.1–4.3 48.33N 154.28E 68–35 3.6,3.3b
ISC Event type se.
KRSC Event type se.
MOS Error ellipse: s-maj=29.8km s-min=6.4km az=73.4.
IDC Error ellipse: s-maj=43.6km s-min=18.6km az=163.0.
ISC II 19 18 10 30.5–1.1 50.41N–.08 157.39E–.06 91–8 4.1b 118 1-78
NEIC II 19 18 10 28.6–1.5 50.3N–.20 157.1E–.20 80–14 4.2b ¶610231644
KRSC II 19 18 10 28.7–2.3 50.40N 157.60E 80–27 4.6L
MOS II 19 18 10 29.4–.84 50.43N 157.05E 92 4.3b
IDC II 19 18 10 33.1–2.5 50.61N 156.91E 100–19 3.8,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=23.2km s-min=16.8km az=173.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
KRSC Event type se.
MOS Error ellipse: s-maj=16.8km s-min=4.6km az=82.5.
IDC Error ellipse: s-maj=22.5km s-min=14.3km az=160.0.
ISC II 20 22 10 35.6–1.9 49.7N–.20 154.0E–.10 200 3.4b 22 2-62
KRSC II 20 22 10 36.5–2.5 49.35N 155.16E 216–14 4.2L ¶610239065
IDC II 20 22 10 41.5–7.0 50.55N 153.50E 207–29 3.6,3.2b
ISC Event type se.
KRSC Event type se.
IDC Error ellipse: s-maj=149.7km s-min=29.1km az=166.0.
ISC II 21 09 10 26.4–.98 48.1N–.20 152.9E–.20 150 3.2b 15 5-77
IDC II 21 09 10 08.5–1.0 48.06N 153.13E 0 3.6,3.6b ¶610239553
SKHL II 21 09 10 28.0–.70 43.70N 155.00E 33–1 4.3b,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=29.3km s-min=26.3km az=87.0.
ISC II 21 23 39 55.7–.69 48.67N–.08 155.97E–.08 35 4.0b,3.0s 104 2-78
KRSC II 21 23 39 58.2–2.3 48.88N 156.80E 32–31 4.4L,3.0s ¶610239556
IDC II 21 23 40 01.5–3.0 48.97N 155.28E 75–27 3.8,3.4b
NEIC II 21 23 40 01.9–1.8 49.2N–.20 155.1E–.20 69–7 4.3b,3.4b
MOS II 21 23 40 03.0–1.2 49.15N 156.13E 134 4.2b,3.4b
ISC Event type se.
KRSC Event type se.
IDC Error ellipse: s-maj=27.1km s-min=16.2km az=142.0.
NEIC Event type se. Error ellipse: s-maj=31.4km s-min=11.1km az=142.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=21.6km s-min=5.1km az=78.2.
KRSC II 22 00 54 11.5–1.5 50.45N 157.62E 41–20 4.0L
¶610241518
KRSC Event type se.
SKHL II 22 17 02 00.8–.30 45.20N 151.70E 30–4 4.2b
JMA II 22 17 02 00.3–.97 46N–6.0 151E–8.0 30 3.7 ¶614140299
JMA Event type ke. KURILE ISLANDS REGION .
ISC II 23 09 30 58.4–.51 49.35N–.07 155.79E–.07 54 4.3b,3.5s 180 1-85
KRSC II 23 09 30 56.0–2.3 49.31N 156.76E 14–31 4.8L,3.5s ¶610239758
MOS II 23 09 30 57.1–1.2 49.34N 155.67E 61 4.3b,3.5s
NEIC II 23 09 30 59.5–1.4 49.48N–.10 155.4E–.20 55–5 4.4b,3.5s
IDC II 23 09 31 01.4–2.0 49.55N 155.50E 78–17 4.1,3.9b
ISC Event type se.
KRSC Event type se.
MOS Error ellipse: s-maj=10.4km s-min=3.8km az=72.5.
NEIC Event type se. Error ellipse: s-maj=18.3km s-min=10.5km az=126.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=16.3km s-min=9.2km az=143.0.
ISC II 25 00 47 50.9–.60 48.56N–.06 155.01E–.06 52–5 4.0b 163 2-146
IDC II 25 00 47 50.9–.56 48.63N 154.66E 49–5 3.9,3.6b ¶610240965
MOS II 25 00 47 50.9–1.1 48.61N 154.92E 70 4.4b,3.6b
SKHL II 25 00 47 52.1–.40 48.60N 155.10E 75–4 5.0b,3.6b
NEIC II 25 00 47 52.2–1.2 48.6N–.10 154.8E–.20 53–3 4.2b,3.6b
KRSC II 25 00 47 52.2–2.2 48.61N 156.53E 23–37 4.7L,3.6b
ISC Event type se.
IDC Error ellipse: s-maj=15.5km s-min=9.8km az=134.0.
MOS Error ellipse: s-maj=11.0km s-min=4.3km az=72.9.
NEIC Event type se. Error ellipse: s-maj=22.3km s-min=11.0km az=135.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
KRSC Event type se.
ISC II 25 09 21 28.3–1.1 43.03N–.06 146.94E–.05 35–4 4.4b,3.5s 156 1-94
BJI II 25 09 21 21.4–.00 43.00N 147.18E 8 4.9b,4.5b ¶610241224
NEIC II 25 09 21 22.9–1.1 42.87N–.08 147.4E–.10 10–1 4.5b,4.5b
MOS II 25 09 21 24.6–1.1 42.94N 147.13E 25 4.6b,4.5b
NIED II 25 09 21 27.0 43.00N 146.96E 53 4.1W,4.5b
JMA II 25 09 21 27.0–.22 43.0N–.70 147E–1.0 53–3 4.2,4.2
SKHL II 25 09 21 28.5–.40 43.00N 146.90E 55–4 4.8b,4.2
IDC II 25 09 21 31.0–2.4 43.07N 146.74E 48–21 4.0,3.7b
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=16.9km s-min=10.8km az=127.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=9.7km s-min=6.7km az=115.2.

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}1.19 $M_{\theta\theta}$-0.38 $M_{\phi\phi}$-0.81
$M_{r\theta}$0.32 $M_{\theta\phi}$-0.65 $M_{\phi r}$0.64 NP1:ϕ_s31.00000°,δ60.00000°,λ85.00000°. NP2:ϕ_s221.00000°
,δ30.00000°,λ99.00000°. $M_0$1.43000×10^{15}
JMA Event type fe. OFF NEMURO PENINSULA .
IDC Error ellipse: s-maj=16.7km s-min=14.0km az=142.0.
ISC II 25 13 21 18.9–1.2 48.2N–.20 153.1E–.20 150 3.3b 14 3-77
SKHL II 25 13 21 20.4–.30 48.40N 152.70E 84–6 5.3,4.4b ¶610385001
IDC II 25 13 21 22.6–2.9 48.50N 153.05E 172–24 3.6,3.2b
ISC Event type ke.
IDC Error ellipse: s-maj=46.9km s-min=22.9km az=156.0.
ISC II 25 19 20 42.1–1.1 49.5N–.20 154.5E–.20 200 29 2-75
IDC II 25 19 20 40.9–4.8 49.43N 154.15E 182–71 3.6,2.8b ¶610241528
KRSC II 25 19 20 42.8–1.6 49.46N 154.79E 200–10 3.7L,2.8b
ISC Event type se.
IDC Error ellipse: s-maj=209.9km s-min=20.7km az=137.0.
KRSC Event type se.
ISC II 26 08 08 17.1–.71 44.68N–.10 146.60E–.08 207–6 3.1b 37 1-82
JMA II 26 08 08 18.5–.47 45N–2.0 147E–3.0 188–3 2.8 ¶610385041
SKHL II 26 08 08 20.0–.50 44.50N 146.50E 177–7 4.4,4.0b
IDC II 26 08 08 22.6–7.6 45.12N 146.48E 247–72 3.5,2.9b
ISC Event type ke.
JMA Event type ke. NEAR ETOROFU ISLAND .
IDC Error ellipse: s-maj=29.2km s-min=21.7km az=158.0.
ISC II 26 11 35 25.4–1.2 48.7N–.20 153.7E–.20 200 3.2b 29 3-74
IDC II 26 11 35 09.9–1.6 47.58N 153.41E 0 3.4,3.3b ¶610241530
SKHL II 26 11 35 22.0–.40 47.80N 154.20E 70–5 4.1b,3.3b
KRSC II 26 11 35 24.7–2.0 48.46N 154.39E 221–20 4.0L,3.3b
ISC Event type se.
IDC Error ellipse: s-maj=64.0km s-min=26.7km az=120.0.
KRSC Event type se.
ISC II 27 01 44 05.9–.96 48.9N–.10 155.6E–.10 51 3.5b 29 2-75
IDC II 27 01 44 08.3–4.4 48.93N 155.16E 74–35 3.5,3.1b ¶610241883
KRSC II 27 01 44 12.2–1.5 49.21N 156.51E 60–24 4.2L,3.1b
ISC Event type se.
IDC Error ellipse: s-maj=37.5km s-min=18.4km az=159.0.
KRSC Event type se.
KRSC II 27 05 54 34.3–1.3 49.66N 156.08E 111–11 3.8L
¶610241884
KRSC Event type se.
ISC II 27 15 49 10.4–.74 44.38N–.05 147.72E–.05 106–6 4.2b 187 1-82
MOS II 27 15 49 10.2–.87 44.54N 147.70E 112 4.1b ¶610241640
SKHL II 27 15 49 10.6–.30 44.30N 147.80E 111–4 6.1s,5.3b
JMA II 27 15 49 11.5–.37 44N–1.0 148E–2.0 90 4.1,5.3b
NEIC II 27 15 49 12.6–1.4 44.5N–.10 147.7E–.10 114–9 4.2b,5.3b
IDC II 27 15 49 12.2–2.3 44.64N 147.69E 111–19 4.0,3.6b
ISC Event type ke.
MOS Event type fe. Error ellipse: s-maj=9.7km s-min=7.7km az=69.1. Felt (II-III) at
Malokuril'skoye. Moment Tensor Solution.
JMA Event type ke. SE OFF ETOROFU .
NEIC Event type se. Error ellipse: s-maj=15.9km s-min=12.8km az=156.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=21.6km s-min=12.0km az=163.0.
ISC II 28 06 45 13.5–3.1 44.16N–.10 148.4E–.20 47 26 1-5
JMA II 28 06 45 16.1–.46 44N–2.0 148E–3.0 0 3.7 ¶614144964
SKHL II 28 06 45 17.0–.30 44.30N 148.00E 45–3 4.5b
ISC Event type ke.
JMA Event type ke. SE OFF ETOROFU .
ISC III 01 00 42 47.5–.35 44.21N–.04 148.48E–.04 40–3 4.8b,4.0s 852 1-151
JMA III 01 00 42 44.9–.67 44N–2.0 148E–4.0 0 4.8,4.7W ¶610242087
NIED III 01 00 42 44.9 43.95N 148.33E 0 4.5W,4.7W
BJI III 01 00 42 45.0–.00 44.19N 148.74E 45 4.9b,4.9b
MOS III 01 00 42 46.5–.97 44.26N 148.51E 44 5.2b,4.9b
SKHL III 01 00 42 46.6–.10 44.10N 148.60E 53–5 5.0b,4.9b
NEIC III 01 00 42 47.8–1.7 44.26N–.10 148.5E–.10 37–6 4.9b,4.9b
IDC III 01 00 42 50.2–2.0 44.40N 148.43E 56–16 4.6,4.3b
BGR III 01 00 42 58.1 46.26N 147.48E 33 5.1b,4.3b
ISC Event type ke. Moment Tensor Solution. NP1:ϕ_s185.89423°,δ11.83755°,λ38.15244°. NP2:
ϕ_s58.33854°,δ82.71962°,λ99.35930°. Principal axes: T Plg51.4144°,Azm338.9634°
; N Plg9.2832°,Azm237.1420°; P Plg37.0463°,Azm140.0548°
JMA Event type ke. SE OFF ETOROFU .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}4.17 $M_{\theta\theta}$-2.63 $M_{\phi\phi}$-1.54
$M_{r\theta}$3.35 $M_{\theta\phi}$-1.55 $M_{\phi r}$3.87 NP1:ϕ_s44.00000°,δ71.00000°,λ84.00000°. NP2:ϕ_s242.00000°
,δ20.00000°,λ107.00000°. $M_0$6.46000×10^{15}
MOS Error ellipse: s-maj=6.1km s-min=4.4km az=109.2.
NEIC Event type se. Error ellipse: s-maj=16.0km s-min=10.5km az=145.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=16.6km s-min=10.3km az=162.0.
BGR Event type ke.
ISC III 01 09 41 44.4–.71 47.26N–.07 154.14E–.07 31 3.9b 71 4-138
IDC III 01 09 41 40.0–.85 47.34N 153.85E 0 3.8,3.8b ¶610242598
MOS III 01 09 41 44.5–1.2 47.30N 154.06E 49 4.5b,3.8b
SKHL III 01 09 41 44.9–.30 47.20N 154.30E 61–4 4.8b,3.8b
ISC Event type ke.
IDC Error ellipse: s-maj=20.6km s-min=15.8km az=127.0.
MOS Error ellipse: s-maj=11.3km s-min=7.3km az=75.1.
ISC III 02 09 08 44.2–.88 49.62N–.10 156.12E–.09 100 3.8b 73 1-74
KRSC III 02 09 08 44.0–1.5 49.61N 156.84E 57–24 4.2L ¶610244523
MOS III 02 09 08 43.7–.72 49.68N 156.01E 110 3.8b
IDC III 02 09 08 48.7–3.9 50.04N 155.70E 127–29 3.8,3.4b
ISC Event type se.
KRSC Event type se.
MOS Error ellipse: s-maj=22.3km s-min=5.2km az=74.3.
IDC Error ellipse: s-maj=40.0km s-min=13.1km az=168.0.
ISC III 04 01 36 19.6–1.7 48.1N–.20 155.1E–.20 35 3.6b 11 3-137
IDC III 04 01 36 13.5–2.8 47.99N 155.02E 0 3.5,3.5b ¶610245486
KRSC III 04 01 36 21.0–1.1 48.22N 156.35E 39–25 4.1L,3.5b
ISC Event type se.
IDC Error ellipse: s-maj=68.2km s-min=38.9km az=175.0.
KRSC Event type se.
ISC III 04 14 06 25.1–1.5 43.56N–.08 147.73E–.09 45 3.4b 38 1-65
MOS III 04 14 06 19.6–2.4 43.25N 148.22E 46 4.0b ¶610545530
JMA III 04 14 06 24.9–.26 43N–1.0 148E–1.0 18 3.3
SKHL III 04 14 06 25.1–.20 43.50N 147.70E 61–5 4.4b
IDC III 04 14 06 30.1–9.6 43.43N 147.79E 100–56 3.5,3.2b
ISC Event type ke.
MOS Error ellipse: s-maj=32.6km s-min=16.5km az=37.6.
JMA Event type ke. E OFF HOKKAIDO .
IDC Error ellipse: s-maj=150.9km s-min=62.8km az=178.0.
KRSC III 07 09 37 26.2–1.4 50.18N 156.58E 105–13 4.0L
¶610273052
KRSC Event type se.
ISC III 08 01 33 11.9–.56 47.21N–.07 153.79E–.06 35 4.4b,4.1s 290 4-150
SKHL III 08 01 33 09.1–.50 47.20N 153.70E 28–5 5.6b,4.1s ¶610273085
MOS III 08 01 33 09.3–1.2 47.26N 153.82E 27 4.6b,4.1s
NEIC III 08 01 33 12.4–1.6 47.3N–.10 153.8E–.10 35–2 4.4b,4.1s
IDC III 08 01 33 14.6–2.3 47.36N 153.71E 47–19 4.2,4.0b
BGR III 08 01 33 16.1 47.68N 154.68E 33 4.8b,4.0s
ISC Event type ke.
MOS Error ellipse: s-maj=7.6km s-min=5.3km az=86.2.
NEIC Event type se. Error ellipse: s-maj=20.0km s-min=12.1km az=144.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=21.8km s-min=11.3km az=153.0.
BGR Event type ke.
ISC III 08 17 22 31.0–.72 44.04N–.06 149.90E–.07 35 3.6b 63 2-81
JMA III 08 17 22 30.6–.58 44N–2.0 150E–3.0 30 3.8 ¶610470932
NIED III 08 17 22 30.6 44.46N 149.78E 30 3.8W
MOS III 08 17 22 31.7–1.1 44.24N 149.77E 50 4.0b
SKHL III 08 17 22 31.0–.20 44.10N 149.90E 54–5 4.5b

IDC III 08 17 22 33.9–2.6 44.32N 149.85E 46–23 3.7,3.4b
ISC Event type ke.
JMA Event type ke. SE OFF ETOROFU .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}0.82 $M_{\theta\theta}$3.93 $M_{\phi\phi}$-4.75 $M_{r\theta}$2.37 $M_{\theta\phi}$-3.05 $M_{\phi r}$1.22 NP1:ϕ_s61.00000°,δ85.00000°,λ152.00000°. NP2:ϕ_s153.00000° ,δ63.00000°,λ5.00000°. $M_0$5.96000×10^{14}
MOS Error ellipse: s-maj=12.4km s-min=10.1km az=17.1.
IDC Error ellipse: s-maj=24.0km s-min=16.5km az=153.0.
ISC III 09 02 50 34.6–.30 45.37N–.03 148.07E–.04 145–2 4.7b 670 0-152
BGR III 09 02 50 17.5 46.07N 152.94E 33 4.9b,3.9s **¶610305038**
BJI III 09 02 50 31.7–.00 45.51N 148.11E 140 5.1b,5.0b
SKHL III 09 02 50 33.5–.30 45.20N 148.30E 141–6 6.2,5.6s
MOS III 09 02 50 33.7–1.1 45.34N 147.98E 151 4.7b,5.6s
NEIC III 09 02 50 34.7–1.2 45.37N–.07 147.9E–.10 136–5 4.7b,5.6s
NIED III 09 02 50 34.5 44.97N 148.20E 164 4.7W,5.6s
JMA III 09 02 50 34.5–.48 45N–2.0 148E–3.0 164 5.0W,4.7
IDC III 09 02 50 35.5–.39 45.56N 147.90E 147–2 4.6,4.1b
GCMT III 09 02 50 37.7–.30 45.40N–.02 148.03E–.02 145–3 5.0W,4.1b
ISC Event type ke.
BGR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.44 $M_{\theta\theta}$-0.08 $M_{\phi\phi}$0.51 $M_{r\theta}$0.83 $M_{\theta\phi}$0.21 $M_{\phi r}$-1.13 NP1:ϕ_s330.00000°,δ84.00000°,λ-105.00000°. NP2:ϕ_s216.00000° ,δ16.00000°,λ-24.00000°. $M_0$1.48000×10^{16}
JMA Event type ke. NEAR ETOROFU ISLAND .
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s28,c30; s115,c167;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.91±.13 $M_{\theta\theta}$1.44±.21; $M_{\phi\phi}$-0.53±.20; $M_{r\theta}$-2.36±.10; $M_{\theta\phi}$0.15±.19; $M_{\phi r}$-3.21±.10; Best double couple: NP1:ϕ_s40.00000°,δ85.00000°,λ-104.00000°. NP2:ϕ_s291.00000°,δ15.00000°,λ-19.00000°. Principal axes: T 3.8990,Plg38.0000° ,Azm143.0000°; N 0.5130,Plg14.0000°,Azm41.0000°; P -4.4170,Plg48.0000°,Azm295.0000° $M_0$4.15800×10^{16}
ISC III 09 15 48 17.1–2.2 44.38N–.08 146.95E–.09 117–15 32 1-4
JMA III 09 15 48 17.4–.44 44N–2.0 147E–3.0 118–4 2.7 **¶614153274**
SKHL III 09 15 48 17.1–.30 44.40N 146.90E 118–4 5.0,4.3b
ISC Event type ke.
JMA Event type ke. NEAR ETOROFU ISLAND .
ISC III 10 14 43 24.4–.71 46.44N–.09 153.38E–.08 50 3.8b 63 4-79
JMA III 10 14 43 22.7–.98 47N–7.0 153E–10 30 4.3 **¶610470944**
SKHL III 10 14 43 24.1–.60 46.50N 153.50E 54–4 4.9b
MOS III 10 14 43 24.8–1.5 46.71N 153.13E 58 4.3b
IDC III 10 14 43 28.0–2.7 46.80N 152.98E 65–24 3.7,3.4b
ISC Event type ke.
JMA Event type ke. KURILE ISLANDS REGION .
MOS Error ellipse: s-maj=15.6km s-min=9.1km az=45.2.
IDC Error ellipse: s-maj=26.7km s-min=14.9km az=142.0.
SKHL III 10 14 45 12.2–.20 44.70N 149.20E 35–2 4.0b
¶615627509
ISC III 10 23 16 09.5–.67 47.2N–.10 153.3E–.10 50 4.2b 79 4-139
NEIC III 10 23 16 09.3–1.2 47.1N–.20 153.2E–.30 48–11 4.2b **¶610470946**
SKHL III 10 23 16 09.4–.50 47.30N 153.20E 25–4 4.5b
IDC III 10 23 16 11.2–4.0 47.31N 152.98E 70–33 5.4L,3.8
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=38.0km s-min=6.3km az=132.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=27.2km s-min=20.4km az=159.0.
ISC III 13 11 18 15.3–1.0 47.4N–.10 154.7E–.10 31 3.4b 21 3-138
SKHL III 13 11 18 15.1–.30 47.60N 154.50E 20–5 4.6b **¶610546134**
IDC III 13 11 18 20.2–3.3 47.73N 154.37E 76–30 3.5,3.0b
ISC Event type ke.
IDC Error ellipse: s-maj=34.3km s-min=23.7km az=137.0.
ISC III 13 12 44 16.2–.60 44.52N–.05 146.47E–.05 168–5 3.5b 85 1-83
MOS III 13 12 44 15.2–.97 44.54N 146.48E 172 3.8b **¶610327069**
IDC III 13 12 44 16.9–1.4 44.65N 146.39E 173–13 3.7,3.2s
SKHL III 13 12 44 16.0–.10 44.60N 146.50E 150–8 5.5,4.8b
JMA III 13 12 44 17.1–.47 44N–1.0 146E–3.0 164–3 3.7,4.8b
ISC Event type ke.
JMA Event type ke. NEAR KUNASHIRI ISLAND .
KRSC III 14 19 14 44.5–1.6 48.66N 155.84E 6–22 4.0L
¶610329236
KRSC Event type se.
ISC III 15 11 41 49.8–1.2 46.5N–.20 153.1E–.10 50 3.5b 14 4-139
SKHL III 15 11 41 49.3–.30 46.10N 153.20E 35–5 4.5b **¶610546249**
IDC III 15 11 41 54.1–2.9 46.91N 152.87E 94–26 3.7s,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=33.1km s-min=16.4km az=145.0.
ISC III 15 18 50 21.6–.46 45.01N–.06 150.20E–.06 51 4.1b 177 2-150
MOS III 15 18 50 21.8–.80 45.24N 150.14E 61 4.2b **¶610546267**
SKHL III 15 18 50 22.6–.20 45.10N 150.20E 71–5 5.3b
JMA III 15 18 50 25.8–.93 45N–4.0 150E–6.0 30 5.1
NEIC III 15 18 50 25.4–1.1 45.3N–.10 150.1E–.10 70–7 4.4b
IDC III 15 18 50 25.2–2.2 45.32N 150.01E 74–19 3.9,3.6b
ISC Event type ke.
MOS Error ellipse: s-maj=8.6km s-min=7.6km az=56.5.
JMA Event type ke. KURILE ISLANDS REGION .
NEIC Event type se. Error ellipse: s-maj=18.3km s-min=12.4km az=152.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=16.1km s-min=10.8km az=152.0.
ISC III 17 16 25 37.4–1.3 43.85N–.06 147.65E–.07 55–9 3.7b 69 1-79
MOS III 17 16 25 37.8–1.1 43.98N 147.50E 72 4.3b **¶610470980**
SKHL III 17 16 25 38.3–.10 43.90N 147.60E 79–4 4.8b
JMA III 17 16 25 39.8–.21 43.8N–.80 147E–1.0 29 4.0
NIED III 17 16 25 39.8 43.82N 147.38E 29 3.8W
IDC III 17 16 25 42.5–3.6 44.08N 147.38E 92–30 3.7,3.4b
ISC Event type ke.
MOS Error ellipse: s-maj=13.5km s-min=12.2km az=131.5.
JMA Event type ke. E OFF HOKKAIDO .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}1.23 $M_{\theta\theta}$-2.62 $M_{\phi\phi}$1.38 $M_{r\theta}$-0.43 $M_{\theta\phi}$-0.38 $M_{\phi r}$-4.59 NP1:ϕ_s201.00000°,δ87.00000°,λ69.00000°. NP2:ϕ_s102.00000° ,δ21.00000°,λ171.00000°. $M_0$4.75000×10^{14}
IDC Error ellipse: s-maj=24.8km s-min=19.4km az=120.0.
ISC III 20 02 32 57.1–.59 46.99N–.10 152.61E–.08 100 4.2b 90 4-139
SKHL III 20 02 32 52.2–.30 46.20N 153.60E 60–4 4.5b **¶610543297**
IDC III 20 02 32 58.0–2.5 47.10N 152.64E 99–21 3.8,3.4b
NEIC III 20 02 32 57.9–1.2 47.2N–.20 152.5E–.20 96–10 4.4b,3.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 20 10 19 31.9–1.9 43.09N–.09 147.00E–.07 42–17 3.2b 49 1-68
MOS III 20 10 19 29.3–.77 42.96N 147.12E 55 4.2b **¶610543325**
SKHL III 20 10 19 31.3–.30 43.00N 147.00E 64–4 4.7b
JMA III 20 10 19 32.8–.23 43.1N–.80 147E–1.0 57–3 3.5
IDC III 20 10 19 35.4–6.7 43.40N 146.99E 65–44 3.3,3.3L
ISC Event type ke.
MOS Error ellipse: s-maj=27.1km s-min=14.3km az=121.7.
JMA Event type ke. E OFF HOKKAIDO .
IDC Error ellipse: s-maj=138.0km s-min=30.6km az=179.0.
ISC III 20 14 59 57.5–1.8 43.13N–.09 146.18E–.06 45–14 27 0-2
JMA III 20 14 59 57.8–.16 43.1N–.60 146.1E–.80 50–0 2.6 **¶614162851**
SKHL III 20 14 59 58.6–.10 43.20N 146.20E 40–3 3.8b
ISC Event type ke.
JMA Event type ke. OFF NEMURO PENINSULA .
ISC III 20 17 55 00.7–1.1 47.5N–.20 152.3E–.20 35 3.6b 8 7-139
IDC III 20 17 55 01.3–3.7 47.56N 152.22E 40–34 3.6,3.3b **¶610543346**
ISC Event type ke.
IDC Error ellipse: s-maj=31.7km s-min=19.2km az=128.0.
ISC III 23 18 45 57.4–3.8 44.56N–.08 148.6E–.20 114–18 30 1-5
SKHL III 23 18 45 59.9–.20 44.70N 148.50E 105–4 5.3,4.5b **¶614165087**
JMA III 23 18 46 00.0–.46 44N–3.0 148E–3.0 121 3.8,4.5b
ISC Event type ke.
JMA Event type ke. SE OFF ETOROFU .
ISC III 24 04 32 34.1–1.1 44.23N–.05 148.81E–.07 49–9 4.1b,3.0s 135 1-148
NEIC III 24 04 32 32.6–1.6 44.1N–.10 148.9E–.10 40–11 4.2b,3.0s **¶610434519**
MOS III 24 04 32 33.6–.96 44.39N 148.77E 53 4.3b,3.0s
SKHL III 24 04 32 34.4–.20 44.40N 148.80E 59–3 5.3b,3.0s
IDC III 24 04 32 35.9–2.5 44.46N 148.61E 56–22 3.9,3.7b
JMA III 24 04 32 35.1–.48 44N–2.0 148E–3.0 0 4.7,3.7b
NIED III 24 04 32 35.1 44.02N 148.38E 0 4.2W,3.7b
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=18.4km s-min=12.4km az=149.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=10.0km s-min=7.6km az=61.0.
IDC Error ellipse: s-maj=24.3km s-min=15.0km az=154.0.
JMA Event type ke. SE OFF ETOROFU .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}1.05 $M_{\theta\theta}$0.02 $M_{\phi\phi}$-1.08 $M_{r\theta}$1.45 $M_{\theta\phi}$-1.21 $M_{\phi r}$0.01 NP1:ϕ_s67.00000°,δ71.00000°,λ129.00000°. NP2:ϕ_s180.00000° ,δ43.00000°,λ29.00000°. $M_0$2.17000×10^{15}
ISC III 24 05 10 00.7–2.9 44.30N–.05 148.86E–.06 30–21 3.7b 83 1-81
SKHL III 24 05 10 01.7–.20 44.30N 148.80E 58–4 5.2b **¶610434525**
MOS III 24 05 10 01.9–1.1 44.49N 148.69E 52 3.7b
JMA III 24 05 10 01.7–.56 44N–2.0 148E–3.0 0 4.3
NIED III 24 05 10 01.7 44.03N 148.44E 0 3.9W
IDC III 24 05 10 03.3–3.0 44.67N 148.75E 42–27 3.7,3.5b
ISC Event type ke.
MOS Error ellipse: s-maj=10.5km s-min=8.6km az=53.6.
JMA Event type ke. SE OFF ETOROFU .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}2.99 $M_{\theta\theta}$1.77 $M_{\phi\phi}$-4.76 $M_{r\theta}$6.84 $M_{\theta\phi}$-4.04 $M_{\phi r}$0.93 NP1:ϕ_s65.00000°,δ77.00000°,λ127.00000°. NP2:ϕ_s171.00000° ,δ39.00000°,λ20.00000°. $M_0$8.96000×10^{14}
IDC Error ellipse: s-maj=28.7km s-min=17.5km az=152.0.
ISC III 24 05 47 36.3–.76 44.42N–.07 146.58E–.06 168–6 3.4b 48 1-65
IDC III 24 05 47 34.0–4.4 44.45N 146.48E 139–41 3.6,3.1b **¶610543576**
MOS III 24 05 47 35.3–1.1 44.62N 146.40E 164 4.0b,3.1b
SKHL III 24 05 47 36.0–.30 44.40N 146.60E 158–3 5.1,4.5b
JMA III 24 05 47 37.4–.40 44N–1.0 146E–2.0 166–3 3.5,4.5b
ISC Event type ke.
JMA Event type ke. NEAR KUNASHIRI ISLAND .
KRSC III 24 10 39 28.6–2.0 48.26N 153.94E 180–42 3.9L
¶610434900
KRSC Event type se.
ISC III 24 23 37 31.4–.84 49.10N–.08 156.45E–.10 34 3.6b 69 2-75
MOS III 24 23 37 29.3–.76 48.90N 156.54E 32 4.3b **¶610434899**
KRSC III 24 23 37 33.6–2.0 49.39N 157.03E 15–34 4.3L
IDC III 24 23 37 36.9–3.5 49.42N 155.86E 89–33 3.7,3.3b
ISC Event type se.
MOS Error ellipse: s-maj=31.8km s-min=4.8km az=79.5.
KRSC Event type se.
IDC Error ellipse: s-maj=35.3km s-min=15.9km az=140.0.
KRSC III 25 11 20 31.6–1.1 49.26N 156.55E 53–21 4.2L
¶616320638
KRSC Event type se.
ISC III 25 18 41 39.4–1.7 48.0N–.20 152.0E–.20 350 2.9b 17 6-63
JMA III 25 18 41 42.5–.81 47N–6.0 153E–10 330 3.2 **¶610543660**
IDC III 25 18 41 43.7–2.8 48.97N 151.02E 307–33 3.5,2.8b
ISC Event type ke.
JMA Event type ke. KURILE ISLANDS REGION .
IDC Error ellipse: s-maj=50.3km s-min=24.1km az=147.0.
ISC III 25 20 28 22.5–.41 45.50N–.05 151.69E–.05 36–1 4.6b,4.1s 479 3-150
BJI III 25 20 28 21.6–.00 45.72N 151.69E 48 4.9b,4.6b **¶610435099**
SKHL III 25 20 28 22.1–.60 45.50N 151.70E 54–5 5.2b,4.6b
MOS III 25 20 28 22.2–.93 45.62N 151.57E 45 4.8b,3.7s
NEIC III 25 20 28 23.8–1.3 45.68N–.08 151.5E–.10 39–7 4.7b,3.7s
JMA III 25 20 28 23.1–1.1 46N–4.0 152E–7.0 30 4.7,3.7s
IDC III 25 20 28 27.5–2.2 45.91N 151.32E 69–19 4.1,4.0s
BGR III 25 20 28 38.1 48.65N 149.39E 33 4.6b,4.0s
ISC Event type ke.
MOS Error ellipse: s-maj=6.1km s-min=4.6km az=108.0.
NEIC Event type se. Error ellipse: s-maj=13.9km s-min=9.5km az=135.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. KURILE ISLANDS REGION .
IDC Error ellipse: s-maj=16.2km s-min=10.1km az=149.0.
BGR Event type ke.
ISC III 25 20 30 36.7–.94 45.6N–.10 151.65E–.09 50 3.5b 33 3-140
MOS III 25 20 30 33.8–1.5 45.67N 151.70E 40 4.3b **¶610543666**
SKHL III 25 20 30 34.2–.30 45.40N 151.80E 56–4 4.8b
IDC III 25 20 30 38.1–4.9 45.68N 151.60E 58–40 3.6,3.5L
ISC Event type ke.
MOS Error ellipse: s-maj=20.8km s-min=10.5km az=152.9.
IDC Error ellipse: s-maj=35.6km s-min=24.7km az=100.0.
ISC III 26 12 34 27.4–2.1 44.04N–.08 147.7E–.10 11–13 31 1-5
JMA III 26 12 34 29.9–.27 44N–1.0 148E–1.0 13 3.9 **¶614167667**
SKHL III 26 12 34 32.0–.10 44.20N 147.60E 44–5 4.7b
ISC Event type ke.
JMA Event type ke. E OFF HOKKAIDO .
ISC III 26 19 14 01.3–1.5 47.5N–.20 152.1E–.20 150 3.5b 14 4-139
SKHL III 26 19 13 59.5–.40 45.40N 153.10E 27–4 4.3b **¶610471024**
IDC III 26 19 14 02.4–8.5 47.64N 151.97E 144–47 3.7,3.6s
ISC Event type ke.
IDC Error ellipse: s-maj=105.0km s-min=28.5km az=167.0.
ISC III 28 01 24 58.6–.47 48.20N–.05 155.28E–.05 27 4.3b,3.8s 200 3-147
MOS III 28 01 24 58.5–1.3 48.24N 155.23E 39 4.4b,3.3s **¶610954461**
SKHL III 28 01 24 59.2–.50 48.20N 155.40E 48–5 5.3,5.3b
KRSC III 28 01 25 00.6–2.0 48.40N 156.43E 16–38 4.8L,5.3b
NEIC III 28 01 25 01.4–1.9 48.4N–.10 154.9E–.20 44–7 4.5b,5.3b
IDC III 28 01 25 02.4–2.5 48.53N 154.90E 58–22 4.1L,4.0
ISC Event type se.
MOS Error ellipse: s-maj=8.4km s-min=4.0km az=73.3.
KRSC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.7km s-min=10.8km az=134.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=19.9km s-min=11.7km az=139.0.
ISC III 29 22 09 38.0–2.9 44.43N–.09 147.5E–.10 138–17 30 1-4
SKHL III 29 22 09 38.6–.50 44.50N 147.30E 120–4 5.2,4.4b **¶614170643**
JMA III 29 22 09 39.8–.54 44N–2.0 147E–4.0 131 3.1,4.4b
ISC Event type ke.
JMA Event type ke. NEAR ETOROFU ISLAND .
ISC III 31 03 21 27.0–.48 48.16N–.06 154.57E–.05 42 4.3b,3.3s 185 3-147
KRSC III 31 03 21 27.9–1.5 48.11N 156.25E 15–33 4.7L,3.3s **¶610460788**
MOS III 31 03 21 28.0–1.0 48.21N 154.50E 73 4.1b,3.3s
SKHL III 31 03 21 29.6–.10 48.20N 154.50E 82–5 5.6,4.9b
IDC III 31 03 21 29.4–2.6 48.31N 154.22E 66–24 4.0,3.7b
NEIC III 31 03 21 30.5–1.4 48.3N–.10 154.3E–.10 72–7 4.4b,3.7b
ISC Event type se.
KRSC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 31 23 54 07.2–1.4 49.60N–.09 156.59E–.07 49–12 3.7b,3.6s 84 1-136
KRSC III 31 23 54 03.4–2.4 49.47N 157.25E 40–26 4.7L,3.6s **¶610468889**
MOS III 31 23 54 06.7–1.3 49.71N 156.40E 60 4.3b,3.6s
IDC III 31 23 54 08.6–2.8 49.88N 156.41E 52–24 3.7,3.4b
ISC Event type se.
KRSC Event type se.
MOS Error ellipse: s-maj=14.0km s-min=4.2km az=77.2.
IDC Error ellipse: s-maj=24.1km s-min=13.9km az=137.0.
KRSC IV 01 08 01 12.9–2.2 50.06N 157.35E 60–25 3.7L
¶610470155

KRSC Event type se.
ISC IV 01 08 13 34.9–.35 45.38N–.03 150.81E–.03 52–2 5.1b,4.5s 1409 2-153
JMA IV 01 08 13 31.9–1.2 45N–4.0 151E–8.0 30 5.2W,5.1 **¶610468907**
NIED IV 01 08 13 31.9 45.38N 150.98E 30 5.1W,5.1
SKHL IV 01 08 13 33.3–.60 45.30N 151.00E 60–2 5.6b,5.5
MOS IV 01 08 13 33.5–.90 45.45N 150.69E 52 5.4b,4.8s
IDC IV 01 08 13 33.5–3.2 45.54N 150.68E 33–23 4.8,4.7b
BJI IV 01 08 13 34.8–.00 45.38N 150.59E 60 5.1b,5.0b
NEIC IV 01 08 13 36.1–1.7 45.45N–.08 150.8E–.10 55–6 5.1b,5.0b
GCMT IV 01 08 13 37.1–.20 45.45N–.01 150.97E–.02 40–0 5.2W,5.0b
BGR IV 01 08 13 42.0 47.23N 150.19E 33 5.2b,4.9s
ISC Event type ke. Moment Tensor Solution. NP1:ϕ_s77.54766°,δ65.15466°,λ102.01458°. NP2: ϕ_s230.68477°,δ27.43086°,λ65.79293°. Principal axes: T Plg67.6247°,Azm10.2947° ; N Plg10.8883°,Azm252.4378°; P Plg19.2991°,Azm158.5754°
JMA Event type ke. KURILE ISLANDS REGION .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}1.97 $M_{\theta\theta}$-0.52 $M_{\phi\phi}$-1.46 $M_{r\theta}$1.04 $M_{\theta\phi}$-2.03 $M_{\phi r}$3.50 NP1:ϕ_s18.00000°,δ74.00000°,λ73.00000°. NP2:ϕ_s247.00000° ,δ23.00000°,λ137.00000°. $M_0$4.50000×10^{16}
MOS Error ellipse: s-maj=5.3km s-min=3.8km az=105.9.
IDC Error ellipse: s-maj=11.6km s-min=9.0km az=143.0.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=9.4km az=143.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s95,c137; s115,c183;Duration: 1s0 Moment tensor: Scale 10^{16}Nm; M_{rr}6.76±.19 $M_{\theta\theta}$-4.19±.14; $M_{\phi\phi}$-2.57±.14; $M_{r\theta}$1.30±.13; $M_{\theta\phi}$-4.10±.09; $M_{\phi r}$2.75±.11; Best double couple: NP1:ϕ_s40.00000°,δ56.00000°,λ78.00000°. NP2:ϕ_s242.00000°,δ36.00000°,λ108.00000°. Principal axes: T 7.5130,Plg75.0000° ,Azm274.0000°; N 0.5620,Plg10.0000°,Azm47.0000°; P -8.0760,Plg11.0000°,Azm139.0000° $M_0$7.79500×10^{16}
BGR Event type ke.
ISC IV 01 12 50 14.9–1.8 43.11N–.09 146.18E–.07 68–11 27 0-2
JMA IV 01 12 50 15.6–.17 43.1N–.60 146.1E–.90 69–1 2.9 **¶614785776**
SKHL IV 01 12 50 16.5–.50 43.10N 146.20E 53–3 4.2b
ISC Event type ke.
JMA Event type ke. OFF NEMURO PENINSULA .
ISC IV 02 04 11 19.4–2.3 44.13N–.10 147.8E–.10 32–14 29 1-4
JMA IV 02 04 11 20.5–.32 44N–1.0 147E–2.0 3 3.7 **¶614786278**
SKHL IV 02 04 11 21.5–.10 44.20N 147.70E 44–2 4.7b
ISC Event type ke.
JMA Event type ke. E OFF HOKKAIDO .
ISC IV 02 04 43 46.0–.79 48.26N–.09 154.05E–.08 100 3.6b 59 3-138
IDC IV 02 04 43 34.9–.69 48.19N 153.79E 0 4.8L,3.7 **¶610473034**
MOS IV 02 04 43 43.8–1.1 48.23N 155.95E 27 4.1b,3.7
SKHL IV 02 04 43 43.9–.40 48.10N 154.30E 107–5 5.3,4.6b
ISC Event type ke.
IDC Error ellipse: s-maj=23.7km s-min=15.6km az=142.0.
MOS Error ellipse: s-maj=17.0km s-min=5.4km az=66.5.
KRSC IV 02 06 42 46.6–1.8 49.55N 156.62E 15–21 3.7L
¶610473035
KRSC Event type se.
ISC IV 02 07 51 42.0–.44 46.84N–.06 153.10E–.05 56 4.3b,3.4s 204 4-139
JMA IV 02 07 51 38.8–1.3 47N–6.0 153E–10 30 4.3,3.4s **¶610470177**
SKHL IV 02 07 51 41.8–.40 46.80N 153.30E 71–8 4.7b,3.4s
MOS IV 02 07 51 41.1–.94 46.91N 153.05E 61 4.5b,3.4s
NEIC IV 02 07 51 42.5–.97 47.02N–.09 152.8E–.10 53–7 4.4b,3.4s
IDC IV 02 07 51 45.5–2.3 47.05N 152.84E 80–20 4.0,3.7b
ISC Event type ke.
JMA Event type ke. KURILE ISLANDS REGION .
MOS Error ellipse: s-maj=8.1km s-min=5.7km az=72.1.
NEIC Event type se. Error ellipse: s-maj=14.9km s-min=9.6km az=141.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=18.3km s-min=11.5km az=145.0.
ISC IV 04 03 39 47.0–1.6 47.8N–.20 152.6E–.20 150 3.8b 13 8-77
IDC IV 04 03 39 47.9–5.0 47.58N 152.59E 167–65 3.9,3.4b **¶610483628**
ISC Event type ke.
IDC Error ellipse: s-maj=72.2km s-min=23.5km az=1.0.
KRSC IV 04 10 35 29.1–1.9 49.19N 156.57E 6–28 3.8L
¶610483631
KRSC Event type se.
ISC IV 04 11 31 14.9–.86 49.1N–.10 154.8E–.20 150 3.3b 34 2-75
KRSC IV 04 11 31 12.3–1.4 48.95N 155.19E 171–16 3.8L **¶610483633**
IDC IV 04 11 31 16.3–2.8 49.62N 153.96E 168–32 3.6,3.1b
ISC Event type se.
KRSC Event type se.
IDC Error ellipse: s-maj=93.6km s-min=15.5km az=129.0.
ISC IV 05 10 45 09.0–1.9 43.12N–.09 146.02E–.07 49–12 22 0-2
JMA IV 05 10 45 09.6–.17 43.1N–.60 146.0E–.80 50–1 2.5 **¶614788912**
SKHL IV 05 10 45 10.4–.40 43.20N 146.00E 46–2 3.6b
ISC Event type ke.
JMA Event type ke. OFF NEMURO PENINSULA .
ISC IV 05 18 21 44.0–.63 44.51N–.06 146.65E–.05 138–5 3.9b 113 1-83
MOS IV 05 18 21 43.0–1.1 44.63N 146.54E 142 4.0b **¶610630688**
NIED IV 05 18 21 44.2 44.50N 146.69E 137 3.7W
IDC IV 05 18 21 44.9–1.9 44.68N 146.50E 143–18 3.8,3.3b
JMA IV 05 18 21 44.2–.36 45N–1.0 147E–2.0 137–3 3.8,3.3b
SKHL IV 05 18 21 44.2–.10 44.40N 146.70E 143–6 5.4,5.0b
NEIC IV 05 18 21 45.3–1.6 44.6N–.10 146.58E–.06 145–9 4.4b,5.0b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}0.76 $M_{\theta\theta}$-2.75 $M_{\phi\phi}$1.99 $M_{r\theta}$-0.48 $M_{\theta\phi}$1.21 $M_{\phi r}$-4.36 NP1:ϕ_s158.00000°,δ84.00000°,λ125.00000°. NP2:ϕ_s256.00000° ,δ35.00000°,λ10.00000°. $M_0$4.68000×10^{14}
JMA Event type ke. NEAR ETOROFU ISLAND .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 06 19 31 37.3–1.1 47.6N–.30 152.6E–.30 128 3.1b 13 4-77
IDC IV 06 19 31 31.2–15 47.13N 152.17E 101–87 3.4,3.0b **¶610652100**
SKHL IV 06 19 31 38.5–.20 47.50N 152.70E 53–5 4.4b,3.0b
ISC Event type ke.
IDC Error ellipse: s-maj=152.9km s-min=54.3km az=12.0.
ISC IV 07 14 01 38.7–.38 44.97N–.04 147.39E–.04 133–3 4.5b 737 0-153
BJI IV 07 14 01 37.3–.00 45.04N 147.49E 143 5.0b,4.9b **¶610518544**
MOS IV 07 14 01 38.0–1.0 44.98N 147.36E 139 4.6b,4.9b
NIED IV 07 14 01 38.3 44.79N 147.57E 139 4.6W,4.9b
JMA IV 07 14 01 38.3–.49 45N–2.0 148E–3.0 139 4.4,4.9b
IDC IV 07 14 01 38.9–.46 45.12N 147.21E 128–3 4.6,4.1b
SKHL IV 07 14 01 38.2–.00 44.80N 147.60E 136–5 6.1,5.7b
NEIC IV 07 14 01 40.6–1.7 45.16N–.08 147.2E–.10 138–6 4.5b,5.7b
BGR IV 07 14 01 58.3 47.89N 145.89E 130 4.6b,5.7b
ISC Event type ke.
MOS Event type fe. Error ellipse: s-maj=6.4km s-min=4.4km az=100.6. Felt (II-III) at Malokuril'skoye. Moment Tensor Solution.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}1.65 $M_{\theta\theta}$0.23 $M_{\phi\phi}$-1.88 $M_{r\theta}$-5.28 $M_{\theta\phi}$-0.49 $M_{\phi r}$-6.92 NP1:ϕ_s217.00000°,δ85.00000°,λ96.00000°. NP2:ϕ_s350.00000° ,δ8.00000°,λ43.00000°. $M_0$8.90000×10^{15}
JMA Event type ke. NEAR ETOROFU ISLAND .
IDC Error ellipse: s-maj=10.1km s-min=7.0km az=150.0.
NEIC Event type se. Error ellipse: s-maj=13.0km s-min=10.2km az=121.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BGR Event type ke.
ISC IV 07 22 36 24.4–.64 46.71N–.10 152.66E–.08 85 3.9b 72 4-139
SKHL IV 07 22 36 21.2–.30 46.40N 153.10E 86–4 5.2,4.6b **¶610598323**
MOS IV 07 22 36 22.9–1.6 46.82N 152.66E 85 3.9b,4.6b
IDC IV 07 22 36 24.4–2.7 46.86N 152.73E 80–24 3.8,3.4b
NEIC IV 07 22 36 25.5–1.9 46.9N–.10 152.5E–.10 85–13 4.1b,3.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 09 01 10 02.6–1.9 48.1N–.10 155.8E–.30 10 3.9b 19 3-75
IDC IV 09 01 10 00.6–2.3 48.14N 155.41E 0 3.6,3.6b **¶610524856**
KRSC IV 09 01 10 03.4–1.3 48.13N 156.77E 16–27 3.8L,3.6b
ISC Event type se.
IDC Error ellipse: s-maj=50.4km s-min=35.1km az=155.0.
KRSC Event type se.
ISC IV 10 00 54 23.0–1.7 43.21N–.09 146.10E–.06 45–11 22 0-2
JMA IV 10 00 54 24.2–.18 43.2N–.70 146.0E–.90 45–0 2.9 **¶614792439**
SKHL IV 10 00 54 25.1–.00 43.30N 146.00E 43–2 4.1b
ISC Event type ke.
JMA Event type ke. OFF NEMURO PENINSULA .
ISC IV 10 16 24 29.4–.00 47.9N–.20 153.0E–.20 150 3.3b 28 3-73
MOS IV 10 16 24 27.7–1.6 47.79N 153.31E 142 4.0b **¶610652396**
SKHL IV 10 16 24 29.4–.40 47.90N 153.00E 142–8 5.2,5.0b
IDC IV 10 16 24 29.2–4.4 47.93N 153.10E 138–55 3.5,3.1b
ISC Event type ke.
MOS Error ellipse: s-maj=61.7km s-min=13.5km az=57.8.
IDC Error ellipse: s-maj=346.6km s-min=32.2km az=120.0.
ISC IV 10 17 30 23.8–.61 46.06N–.07 152.81E–.07 35 4.3b,3.2s 122 4-139
SKHL IV 10 17 30 22.1–.20 46.00N 153.00E 41–9 4.9b,3.2s **¶610652400**
JMA IV 10 17 30 22.7–.87 47N–5.0 153E–8.0 30 4.5,3.2s
MOS IV 10 17 30 23.7–1.1 46.33N 152.57E 44 4.4b,3.2s
NEIC IV 10 17 30 26.1–1.6 46.4N–.10 152.58E–.09 35–2 4.4b,3.2s
IDC IV 10 17 30 27.6–2.8 46.37N 152.47E 61–25 3.9,3.5b
ISC Event type ke.
JMA Event type ke. KURILE ISLANDS REGION .
MOS Error ellipse: s-maj=13.5km s-min=7.3km az=55.8.
NEIC Event type se. Error ellipse: s-maj=17.5km s-min=9.9km az=168.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=21.7km s-min=12.1km az=144.0.
ISC IV 11 03 45 19.4–.47 48.84N–.08 153.47E–.07 140 4.2b 170 3-80
KRSC IV 11 03 45 15.9–2.5 48.47N 154.53E 172–41 4.5L **¶610526835**
MOS IV 11 03 45 17.6–.85 48.84N 153.43E 137 4.1b
SKHL IV 11 03 45 18.3–.30 48.70N 153.70E 132–7 5.3,4.5b
IDC IV 11 03 45 18.1–2.4 48.96N 153.26E 123–22 3.9,3.5b
NEIC IV 11 03 45 19.6–1.1 48.9N–.10 153.4E–.20 133–8 4.2b,3.5b
ISC Event type se.
KRSC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 12 03 33 41.9–1.5 50.2N–.10 156.77E–.08 58–12 3.7b 67 1-73
KRSC IV 12 03 33 41.2–1.7 50.29N 157.04E 41–20 4.1L **¶610526862**
MOS IV 12 03 33 43.9–1.1 50.53N 156.37E 68 4.0b
IDC IV 12 03 33 45.9–3.3 50.58N 157.16E 116–40 3.5,3.2b
ISC Event type se.
KRSC Event type se.
MOS Error ellipse: s-maj=25.4km s-min=5.4km az=72.2.
IDC Error ellipse: s-maj=57.7km s-min=40.6km az=92.0.
KRSC IV 12 16 58 22.9–1.8 48.79N 155.89E 32–23 3.8L
¶610527265
KRSC Event type se.
ISC IV 14 00 15 36.3–5.7 43.1N–.10 146.21E–.08 37–6 21 0-2
JMA IV 14 00 15 35.3–.18 43.0N–.70 146.2E–.90 47–1 2.7 **¶614795077**
SKHL IV 14 00 15 36.2–.40 43.00N 146.20E 28–3 3.7b
ISC Event type ke.
JMA Event type ke. OFF NEMURO PENINSULA .
ISC IV 14 04 09 31.9–.57 45.92N–.06 149.84E–.06 163–4 4.1b 229 2-151
MOS IV 14 04 09 31.3–1.2 46.11N 149.81E 166 4.2b **¶610528012**
IDC IV 14 04 09 33.4–.76 46.21N 149.71E 168–6 4.1,3.7b
SKHL IV 14 04 09 33.2–.10 45.80N 149.70E 164–8 5.7,5.3b
JMA IV 14 04 09 34.7–.79 45N–4.0 150E–5.0 155 4.1,5.3b
NEIC IV 14 04 09 34.3–.99 46.7N–.20 149.4E–.20 149–10 4.3b,5.3b
ISC Event type ke.
JMA Event type ke. KURILE ISLANDS REGION .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 14 12 53 07.8–.52 48.94N–.06 155.39E–.06 51 4.1b,3.4s 207 2-147
KRSC IV 14 12 53 05.7–3.0 48.97N 156.57E 7–44 4.3L,3.4s **¶610528150**
SKHL IV 14 12 53 06.8–.70 48.90N 155.50E 61–8 4.8b,3.4s
MOS IV 14 12 53 06.2–1.3 48.88N 155.55E 53 4.3b,3.4s
IDC IV 14 12 53 09.4–2.6 49.05N 155.26E 71–24 3.8,3.5b
NEIC IV 14 12 53 09.9–1.7 49.07N–.07 155.3E–.20 63–9 4.2b,3.5b
ISC Event type se.
KRSC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 15 02 56 12.7–4.3 44.89N–.10 149.2E–.20 35 21 1-7
JMA IV 15 02 56 11.7–.81 45N–3.0 149E–6.0 30 4.4 **¶614796184**
SKHL IV 15 02 56 13.1–.20 44.90N 149.20E 53–3 4.8b
ISC Event type ke.
JMA Event type ke. NEAR ETOROFU ISLAND .
ISC IV 16 10 22 24.5–.62 47.92N–.09 154.03E–.07 64 4.0b 49 6-76
NEIC IV 16 10 22 25.7–1.1 48.0N–.10 154.2E–.20 64–8 4.2b **¶610652863**
IDC IV 16 10 22 26.8–2.6 48.09N 153.85E 85–24 3.9,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.4km s-min=12.2km az=144.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=25.0km s-min=11.8km az=141.0.
IDC IV 16 13 48 40.6–5.7 47.28N 150.99E 204–65 3.5,3.1b
¶610652871
IDC Error ellipse: s-maj=67.0km s-min=30.8km az=74.0.
ISC IV 17 10 34 28.8–1.1 46.5N–.10 153.2E–.10 35 3.6b 24 6-139
JMA IV 17 10 34 29.7–1.1 47N–7.0 153E–10 30 4.0 **¶610598391**
IDC IV 17 10 34 34.9–3.1 46.88N 152.86E 81–26 3.7,3.3b
ISC Event type ke.
JMA Event type ke. KURILE ISLANDS REGION .
IDC Error ellipse: s-maj=28.0km s-min=17.0km az=121.0.
ISC IV 20 00 23 04.8–.52 48.76N–.05 152.87E–.05 136–4 4.2b 238 3-148
SKHL IV 20 00 23 03.8–.90 48.80N 152.70E 126–8 5.7,5.1b **¶610544102**
MOS IV 20 00 23 04.0–.97 48.83N 152.78E 136 4.1b,5.1b
IDC IV 20 00 23 05.3–.62 48.71N 153.06E 153–5 4.1,3.6b
NEIC IV 20 00 23 06.8–.99 48.7N–.10 153.0E–.20 153–7 4.3b,3.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 20 08 42 19.7–.36 49.09N–.04 156.20E–.03 43–2 4.9b,4.7s 895 2-151
KRSC IV 20 08 42 13.4–2.4 48.86N 156.92E 30–29 5.4L,4.9 **¶610544121**
BJI IV 20 08 42 15.9–.00 49.25N 156.31E 34 5.0b,5.0b
SKHL IV 20 08 42 17.9–.10 48.90N 156.40E 60–2 5.7,5.6b
MOS IV 20 08 42 17.9–1.1 49.13N 156.13E 39 5.1b,4.9s
NEIC IV 20 08 42 20.8–1.7 49.20N–.05 156.2E–.10 46–5 4.8b,4.9s
IDC IV 20 08 42 20.9–2.0 49.22N 156.01E 50–18 5.2L,4.6
GCMT IV 20 08 42 22.8–.20 49.18N–.01 156.45E–.02 26–0 5.2W,4.6
ISC Event type se.
KRSC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s90,c131; s127,c194;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.68±.02 $M_{\theta\theta}$-0.21±.01; $M_{\phi\phi}$-0.47±.01; $M_{r\theta}$0.25±.03; $M_{\theta\phi}$-0.32±.01; $M_{\phi r}$0.42±.02; Best double couple: NP1:ϕ_s32.00000°,δ63.00000°,λ88.00000°. NP2:ϕ_s216.00000°,δ27.00000°,λ93.00000°. Principal axes: T 0.8400,Plg72.0000° ,Azm299.0000°; N 0.0040,Plg1.0000°,Azm33.0000°; P -0.8450,Plg18.0000°,Azm123.0000° $M_0$0.84300×10^{17}
ISC IV 20 08 58 15.5–.48 49.21N–.05 156.20E–.06 34 4.3b 174 1-145
KRSC IV 20 08 58 12.4–1.7 49.04N 157.03E 30–24 4.7L **¶610544354**
MOS IV 20 08 58 15.4–.96 49.21N 156.11E 50 4.3b
NEIC IV 20 08 58 17.5–1.8 49.2N–.10 156.1E–.20 52–8 4.8b,4.9s
IDC IV 20 08 58 18.3–2.4 49.24N 155.97E 61–21 4.0,3.7b
ISC Event type se.

KRSC Event type se.
MOS Error ellipse: s-maj=10.5km s-min=3.9km az=77.2.
NEIC Event type se. Error ellipse: s-maj=18.6km s-min=11.8km az=139.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=16.6km s-min=11.2km az=142.0.
ISC IV 20 11 41 25.6–.25 44.43N–.03 148.73E–.03 60–1 5.5b 1822 1-157
BJI IV 20 11 41 25.2–.00 44.40N 148.51E 63 5.6b,5.2b **¶610544362**
MOS IV 20 11 41 25.4–.97 44.49N 148.67E 68 5.8b,4.7s
JMA IV 20 11 41 25.1–.28 44N–1.0 148E–1.0 0 5.2W,5.2
NIED IV 20 11 41 25.1 43.99N 148.47E 0 5.1W,5.2
SKHL IV 20 11 41 25.3–.30 44.30N 148.90E 76–4 6.2b,4.6s
NEIC IV 20 11 41 26 44.43N 148.73E 70 6.2b,4.6s
NEIC IV 20 11 41 26.3–1.7 44.42N–.06 148.73E–.09 63–4 5.5b,5.1
NEIC IV 20 11 41 26 44.13N 149.29E 70 5.5b,5.1
IDC IV 20 11 41 27.1–1.5 44.51N 148.64E 72–12 5.4,5.1b
GCMT IV 20 11 41 27.3–.20 44.40N–.01 148.90E–.02 54–0 5.2W,5.1b
ISC Event type ke. Moment Tensor Solution. NP1:ϕs30.52963°,δ51.02659°,λ68.70750°. NP2: ϕs242.31392°,δ43.58361°,λ114.17307°. Principal axes: T Plg73.1265°,Azm238.3241° ; N Plg16.3981°,Azm44.3028°; P Plg3.8684°,Azm135.4429°
MOS Event type fe. Felt (IV) at Gornyy, Goryachiye Klyuchi, (III-IV) at Kuril'sk, Reydovo, (II) at Yuzhno-Kuril'sk, Malokuril'skoye, Krabozavodskoye, Lagunnoye, Goryachiy Plyazh. Moment Tensor Solution.
JMA Event type fe. SE OFF ETOROFU .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; Mrr1.68 Mθθ-0.86 Mϕϕ-0.82 Mrθ2.61 Mθϕ-1.26 Mϕr4.07 NP1:ϕs33.00000°,δ80.00000°,λ84.00000°. NP2:ϕs243.00000° ,δ12.00000°,λ119.00000°. M0 5.19000×10^{16}
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution.Duration: 1s0 8 Moment tensor: Scale 10^{16}Nm; Mrr5.66 Mθθ-3.57 Mϕϕ-2.09 Mrθ0.82 Mθϕ-1.05 Mϕr2.32 NP1:ϕs47.03000°,δ56.88000° ,λ77.39000°. NP2:ϕs249.29000°,δ35.18000°,λ108.50000°. Principal axes: T 6.3320,Plg75.0000°,Azm281.0000°; N -1.8679,Plg11.0000°,Azm54.0000° ; P -4.4641,Plg11.0000°,Azm146.0000° M0 5.40000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s96,c131; s122,c195;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; Mrr0.93±.02 Mθθ-0.47±.02; Mϕϕ-0.46±.02; Mrθ0.10±.01; Mθϕ-0.42±.01; Mϕr0.29±.01; Best double couple: NP1:ϕs38.00000°,δ54.00000°,λ81.00000°. NP2:ϕs232.00000°,δ37.00000°,λ102.00000°. Principal axes: T 0.9870,Plg79.0000° ,Azm274.0000°; N -0.0560,Plg7.0000°,Azm43.0000°; P -0.9290,Plg9.0000°,Azm134.0000° M0 0.95800×10^{17}
ISC IV 20 15 14 00.6–.65 49.09N–.06 156.28E–.08 34 4.1b 103 2-78
KRSC IV 20 15 13 58.8–1.6 49.08N 156.89E 42–26 4.5L **¶610544454**
MOS IV 20 15 14 00.7–.88 49.16N 156.16E 51 4.4b
IDC IV 20 15 14 03.3–2.8 49.15N 156.09E 59–23 4.5L,3.9
NEIC IV 20 15 14 04.4–2.2 49.34N–.08 155.9E–.20 60–12 4.2b,3.9
ISC Event type se.
KRSC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 20 15 20 43.0–.30 49.17N–.04 156.13E–.03 40–2 5.1b,4.8s 1181 2-151
IDC IV 20 15 20 37.4–.44 49.26N 156.07E 0 5.3L,4.8 **¶611833497**
KRSC IV 20 15 20 39.4–2.1 49.04N 156.71E 51–30 5.4L,4.8
BJI IV 20 15 20 40.0–.00 49.34N 156.12E 34 5.1b,5.1s
MOS IV 20 15 20 41.5–1.0 49.17N 156.11E 44 5.3b,5.0s
SKHL IV 20 15 20 41.4–.60 49.00N 156.50E 60–3 5.8,5.7b
NEIC IV 20 15 20 43.2–1.5 49.27N–.09 156.1E–.10 39–5 5.1b,5.7b
GCMT IV 20 15 20 45.2–.20 49.15N–.01 156.49E–.02 27–0 5.2W,5.7b
ISC Event type se. Moment Tensor Solution. NP1:ϕs25.21078°,δ76.37964°,λ78.95621°. NP2: ϕs244.86295°,δ17.46906°,λ128.32924°. Principal axes: T Plg57.2469°,Azm280.7116° ; N Plg10.7295°,Azm27.8423°; P Plg30.5293°,Azm124.2583°
KRSC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s95,c141; s136,c217;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; Mrr0.83±.02 Mθθ-0.29±.01; Mϕϕ-0.54±.01; Mrθ0.24±.03; Mθϕ-0.36±.01; Mϕr0.44±.02; Best double couple: NP1:ϕs32.00000°,δ61.00000°,λ87.00000°. NP2:ϕs219.00000°,δ29.00000°,λ96.00000°. Principal axes: T 0.9760,Plg74.0000° ,Azm294.0000°; N -0.0330,Plg3.0000°,Azm34.0000°; P -0.9440,Plg16.0000°,Azm124.0000° M0 0.96000×10^{17}
ISC IV 20 15 29 10.8–2.1 49.1N–.10 156.5E–.20 34 24 2-7
KRSC IV 20 15 29 07.2–1.6 49.05N 156.62E 75–31 4.2L **¶610546749**
SKHL IV 20 15 29 09.8–.60 49.10N 156.70E 55–4 4.4b
ISC Event type se.
KRSC Event type se.
ISC IV 20 16 01 21.5–.56 49.17N–.05 156.16E–.05 33–2 4.7b,4.0s 577 2-149
IDC IV 20 16 01 16.9–.54 49.22N 156.13E 0 4.8L,4.4 **¶610544434**
BJI IV 20 16 01 18.7–.00 49.25N 156.37E 36 4.8b,4.7b
KRSC IV 20 16 01 18.0–2.7 49.11N 157.09E 7–44 4.8L,4.7b
MOS IV 20 16 01 21.6–1.1 49.19N 156.13E 45 4.9b,3.7s
NEIC IV 20 16 01 23.0–1.5 49.25N–.08 156.1E–.10 43–7 4.6b,3.7s
ISC Event type se.
KRSC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 20 17 43 41.9–.43 49.13N–.05 156.23E–.05 34 4.5b,3.7s 318 2-149
IDC IV 20 17 43 37.1–.56 49.19N 156.14E 0 4.9L,4.1 **¶610544436**
KRSC IV 20 17 43 39.3–1.7 49.10N 156.93E 23–29 4.9L,4.1
MOS IV 20 17 43 41.1–.98 49.12N 156.15E 40 4.8b,4.1
NEIC IV 20 17 43 43.9–1.6 49.2N–.10 156.1E–.20 46–8 4.5b,4.1
ISC Event type se.
KRSC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 20 21 16 35.8–.94 48.1N–.10 155.2E–.10 33 3.7b 21 5-78
IDC IV 20 21 16 37.6–2.4 48.13N 155.09E 47–21 3.8,3.5b **¶610598419**
ISC Event type ke.
IDC Error ellipse: s-maj=24.0km s-min=13.4km az=131.0.
ISC IV 20 21 21 48.2–.78 45.59N–.09 151.26E–.08 100 4.1b 87 2-79
MOS IV 20 21 21 46.5–.72 45.64N 151.49E 91 4.0b **¶610653137**
IDC IV 20 21 21 50.0–3.1 46.04N 150.90E 104–28 3.8,3.5b
SKHL IV 20 21 21 51.1–.40 45.60N 151.00E 133–8 5.8,5.2b
NEIC IV 20 21 21 52.5–1.3 46.2N–.20 150.8E–.20 110–17 4.2b,5.2b
JMA IV 20 21 21 52.3–.67 45N–4.0 151E–4.0 103 4.1,5.2b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. KURILE ISLANDS REGION .
KRSC IV 21 10 51 58.9–1.6 49.96N 156.44E 59–22 3.7L
¶610547204
KRSC Event type se.
ISC IV 21 14 18 46.6–.65 44.28N–.05 147.67E–.05 106–5 4.3b 302 1-85
MOS IV 21 14 18 46.0–1.1 44.35N 147.70E 115 4.4b **¶610546887**
JMA IV 21 14 18 47.2–.31 44N–1.0 148E–2.0 104 3.9
SKHL IV 21 14 18 47.4–.30 44.30N 147.60E 108–4 6.0,5.1b
IDC IV 21 14 18 48.1–2.1 44.53N 147.57E 114–18 4.2,3.9b
NEIC IV 21 14 18 50.0–.93 44.62N–.10 147.5E–.20 115–8 4.4b,3.9b
ISC Event type ke.
JMA Event type ke. SE OFF ETOROFU .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 22 07 02 00.9–2.7 44.3N–.10 147.7E–.10 5–14 20 1-4
JMA IV 22 07 02 00.8–.28 44N–2.0 148E–1.0 6 3.5 **¶614801767**
SKHL IV 22 07 02 03.9–.40 44.30N 147.80E 52–3 4.0b
ISC Event type ke.
JMA Event type ke. SE OFF ETOROFU .
ISC IV 22 20 26 43.9–1.0 46.6N–.20 152.4E–.10 52 3.6b 22 3-139
SKHL IV 22 20 26 44.3–.80 45.70N 152.90E 47–3 4.4b **¶610547323**
IDC IV 22 20 26 49.0–2.8 46.88N 152.10E 90–25 3.6,3.3b
ISC Event type ke.
IDC Error ellipse: s-maj=35.6km s-min=16.4km az=150.0.
KRSC IV 22 20 30 37.4–1.2 48.84N 155.96E 16–18 4.2L
¶610547500
KRSC Event type se.
KRSC IV 24 18 33 16.8–.94 48.68N 153.96E 146–10 3.7L
¶610549148
KRSC Event type se.
ISC IV 25 03 12 00.9–.94 44.57N–.08 147.79E–.09 140–7 3.7b 47 1-77
SKHL IV 25 03 12 02.9–.20 44.60N 147.60E 127–3 5.5,4.7b **¶610649951**
JMA IV 25 03 12 02.9–.38 44N–2.0 148E–3.0 143 3.6,4.7b
IDC IV 25 03 12 04.9–2.8 45.79N 147.11E 110–35 3.9,3.5b
ISC Event type ke.
JMA Event type ke. NEAR ETOROFU ISLAND .
IDC Error ellipse: s-maj=71.1km s-min=18.7km az=162.0.
ISC IV 25 09 27 45.3–1.1 48.59N–.07 155.29E–.07 46–10 4.2b,3.3s 212 2-146
MOS IV 25 09 27 46.7–.96 48.84N 155.00E 71 4.6b,3.3s **¶610559157**
SKHL IV 25 09 27 46.6–.30 48.70N 155.20E 69–7 4.8b,3.3s
NEIC IV 25 09 27 47.0–1.4 48.8N–.10 154.7E–.20 53–8 4.2b,3.3s
KRSC IV 25 09 27 47.0–2.0 48.73N 156.62E 30–27 4.6L,3.3s
IDC IV 25 09 27 49.1–2.3 48.84N 154.92E 74–20 3.9,3.6b
ISC Event type se.
MOS Error ellipse: s-maj=13.2km s-min=4.0km az=70.8.
NEIC Event type se. Error ellipse: s-maj=21.2km s-min=10.3km az=128.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
KRSC Event type se.
IDC Error ellipse: s-maj=21.1km s-min=10.9km az=139.0.
ISC IV 25 12 40 14.0–.82 43.82N–.05 147.29E–.05 57–7 3.5b 79 0-83
MOS IV 25 12 40 13.3–.88 43.83N 147.25E 69 3.7b **¶610554298**
IDC IV 25 12 40 15.1–2.6 43.75N 147.26E 71–25 3.6,3.3b
JMA IV 25 12 40 15.0–.21 43.8N–.80 147E–1.0 39 4.2,3.9
NIED IV 25 12 40 15.0 43.75N 147.22E 39 3.9W,3.9
SKHL IV 25 12 40 16.0–.70 43.90N 147.20E 72–6 4.9b,3.9
ISC Event type ke.
MOS Event type fe. Error ellipse: s-maj=11.5km s-min=8.9km az=53.6. Felt (II-III) at Malokuril'skoye. Moment Tensor Solution.
IDC Error ellipse: s-maj=23.8km s-min=16.3km az=146.0.
JMA Event type fe. E OFF HOKKAIDO .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; Mrr2.04 Mθθ0.64 Mϕϕ-2.67 Mrθ-3.17 Mθϕ-0.53 Mϕr-5.59 NP1:ϕs209.00000°,δ81.00000°,λ99.00000°. NP2:ϕs344.00000° ,δ13.00000°,λ46.00000°. M0 6.87000×10^{14}
ISC IV 25 18 51 03.7–.58 49.84N–.08 154.71E–.07 200 4.0b 186 1-76
MOS IV 25 18 51 00.9–1.3 49.41N 155.10E 179 4.2b **¶610559158**
KRSC IV 25 18 51 01.7–1.8 49.29N 155.99E 186–16 4.3L
IDC IV 25 18 51 04.9–1.9 50.05N 154.22E 200–18 3.8,3.3b
NEIC IV 25 18 51 05.5–1.6 50.2N–.10 154.3E–.20 197–10 4.1b,3.3b
ISC Event type se.
KRSC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 27 01 13 39.5–3.0 44.37N–.09 148.2E–.20 10–12 26 1-4
JMA IV 27 01 13 41.5–.42 44N–2.0 148E–2.0 0 3.6 **¶614805535**
SKHL IV 27 01 13 42.2–.00 44.40N 148.20E 33–6 4.1b
ISC Event type ke.
JMA Event type ke. SE OFF ETOROFU .
ISC IV 27 08 11 56.9–2.9 44.31N–.09 148.1E–.20 12–11 25 1-6
JMA IV 27 08 11 59.2–.32 44N–1.0 148E–2.0 4 3.8 **¶614805732**
SKHL IV 27 08 11 59.8–.10 44.40N 148.10E 29–3 4.4b
ISC Event type ke.
JMA Event type ke. SE OFF ETOROFU .
ISC IV 28 20 39 50.8–.67 44.68N–.06 147.21E–.05 128–6 4.8b 107 1-152
JMA IV 28 20 39 51.1–.35 45N–2.0 147E–2.0 127–4 3.7 **¶610650251**
SKHL IV 28 20 39 52.1–.10 44.70N 147.10E 121–3 5.5,5.1b
NEIC IV 28 20 39 52.1–2.0 44.8N–.10 147.1E–.10 129–8 4.9b,5.1b
IDC IV 28 20 39 54.7–1.8 45.23N 146.72E 153–17 4.0,3.5b
ISC Event type ke.
JMA Event type ke. NEAR ETOROFU ISLAND .
NEIC Event type se. Error ellipse: s-maj=16.2km s-min=12.3km az=145.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=34.1km s-min=14.9km az=155.0.
ISC IV 29 12 21 33.2–3.2 44.27N–.09 148.4E–.20 6–13 24 1-4
JMA IV 29 12 21 36.8–.35 44N–1.0 148E–2.0 0 3.5 **¶614807520**
SKHL IV 29 12 21 37.6–.20 44.40N 148.20E 46–2 4.2b
ISC Event type ke.
JMA Event type ke. SE OFF ETOROFU .
ISC IV 30 14 26 43.9–1.2 44.4N–.10 148.2E–.10 74–13 3.2b 33 1-82
JMA IV 30 14 26 45.0–.40 44N–2.0 148E–2.0 60 3.6 **¶610650418**
IDC IV 30 14 26 45.4–4.2 44.59N 148.06E 90–45 3.3,3.0b
SKHL IV 30 14 26 45.4–.10 44.50N 148.10E 70–5 4.5b,3.0b
ISC Event type ke.
JMA Event type ke. SE OFF ETOROFU .
IDC Error ellipse: s-maj=78.0km s-min=21.3km az=128.0.
KRSC IV 30 14 41 26.6–1.8 48.22N 154.34E 210–20 4.1L
IDC IV 30 14 41 11.3–9.6 48.33N 150.56E 103–59 3.5,3.1b **¶610589572**
KRSC Event type se.
IDC Error ellipse: s-maj=152.9km s-min=70.2km az=122.0.
ISC IV 30 22 28 53.3–1.4 48.6N–.20 153.2E–.20 150 3.7b 25 5-90
IDC IV 30 22 28 52.4–2.7 48.60N 153.23E 141–18 3.9,3.5b **¶610598497**
ISC Event type ke.
IDC Error ellipse: s-maj=36.5km s-min=14.6km az=152.0.
ISC V 03 20 32 28.6–.94 48.6N–.10 155.1E–.10 35 3.5b 43 2-137
IDC V 03 20 32 18.1–6.0 48.19N 154.00E 0 3.5s,3.5 **¶610594163**
KRSC V 03 20 32 29.7–1.5 48.75N 156.40E 8–22 4.3L,3.5
SKHL V 03 20 32 31.1–.40 48.90N 154.50E 70–4 4.5b,3.5
ISC Event type se.
IDC Error ellipse: s-maj=163.2km s-min=49.0km az=95.0.
KRSC Event type se.
ISC V 04 19 20 22.2–.76 43.59N–.05 147.03E–.05 44–6 4.0b,3.4s 151 0-143
IDC V 04 19 20 16.1–.66 43.65N 146.92E 0 4.0b,3.9 **¶610598511**
MOS V 04 19 20 21.0–1.2 43.55N 147.09E 51 4.2b,3.9
NEIC V 04 19 20 22.3–2.2 43.66N–.09 147.02E–.05 43–8 4.1b,3.9
SKHL V 04 19 20 23.1–.40 43.60N 146.90E 55–2 5.3b,3.9
JMA V 04 19 20 23.4–.24 43.6N–.80 147E–1.0 40–3 4.4,4.0
NIED V 04 19 20 23.4 43.58N 146.87E 40 4.1W,4.0
ISC Event type ke.
IDC Error ellipse: s-maj=18.1km s-min=14.7km az=129.0.
MOS Event type fe. Error ellipse: s-maj=8.6km s-min=6.6km az=92.8. Felt (III) at Malokuril'skoye. Moment Tensor Solution.
NEIC Event type se. Error ellipse: s-maj=13.6km s-min=1.3km az=155.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. E OFF HOKKAIDO .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; Mrr0.60 Mθθ-0.14 Mϕϕ-0.46 Mrθ-1.03 Mθϕ-0.24 Mϕr-0.70 NP1:ϕs233.00000°,δ78.00000°,λ100.00000°. NP2:ϕs13.00000° ,δ15.00000°,λ52.00000°. M0 1.38000×10^{15}
ISC V 04 19 22 28.8–1.9 43.61N–.09 146.96E–.09 42–15 25 0-3
JMA V 04 19 22 29.4–.27 44N–1.0 147E–1.0 44–4 3.5 **¶614813144**
SKHL V 04 19 22 30.0–.20 43.70N 146.90E 42–4 4.5b
ISC Event type ke.
JMA Event type ke. E OFF HOKKAIDO .
KRSC V 07 05 29 41.8–1.6 48.63N 155.69E 51–26 3.9L
¶610617986
KRSC Event type se.
SKHL V 09 10 06 00.5–.40 44.90N 149.50E 49–4 4.5b
JMA V 09 10 05 59.4–.66 45N–3.0 150E–4.0 30 4.1 **¶614817333**
JMA Event type ke. SE OFF ETOROFU .
ISC V 10 02 20 43.7–.95 45.1N–.10 150.35E–.09 50 3.6b 24 2-80
SKHL V 10 02 20 43.9–.40 45.30N 150.20E 93–6 5.2,4.6b **¶610689929**
MOS V 10 02 20 43.8–1.5 45.13N 150.22E 78 4.0b,4.6b

IDC V 10 02 20 48.5–4.5 45.31N 150.04E 105–47 3.5,3.1b
ISC Event type ke.
MOS Error ellipse: s-maj=25.6km s-min=13.9km az=45.8.
IDC Error ellipse: s-maj=79.0km s-min=23.3km az=128.0.
ISC V 11 08 31 20.7–.34 49.97N–.05 155.72E–.04 98–2 4.8b 746 1-149
MOS V 11 08 31 16.4–.96 49.69N 155.54E 85 4.7b ¶610623496
BJI V 11 08 31 18.1–.00 50.13N 155.91E 103 4.8b,4.8b
KRSC V 11 08 31 18.1–2.6 49.67N 156.48E 69–22 5.6L,4.6
IDC V 11 08 31 20.4–.36 50.13N 155.47E 90–3 4.7,4.3b
GCMT V 11 08 31 21.0–.40 50.16N–.03 155.90E–.04 101–5 4.8W,4.3b
NEIC V 11 08 31 23.0–1.7 50.12N–.09 155.5E–.10 108–7 4.9b,4.3b
ISC Event type se.
MOS Event type fe. Felt (III) at Severo-Kuril'sk. Moment Tensor Solution.
KRSC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s11,c12; s84,c106;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.03±.11 $M_{\theta\theta}$1.76±.15; $M_{\phi\phi}$-0.72±.14; $M_{r\theta}$-0.15±.08; $M_{\theta\phi}$-0.90±.10; $M_{\phi r}$-1.14±.05; Best double couple: NP1:ϕ_s323.00000°,δ63.00000°,λ-39.00000°. NP2:ϕ_s73.00000°,δ56.00000°,λ-147.00000°. Principal axes: T 2.0640,Plg4.0000° ,Azm19.0000°; N 0.0990,Plg44.0000°,Azm114.0000°; P -2.1590,Plg45.0000°,Azm285.0000° $M_0$2.11200×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 12 04 39 50.8–.42 47.50N–.06 154.40E–.05 31 4.4b,3.7s 347 3-147
MOS V 12 04 39 49.9–1.2 47.51N 154.36E 42 4.6b,3.8s ¶610630791
IDC V 12 04 39 51.1–4.4 47.68N 154.15E 30–30 4.2,4.0b
SKHL V 12 04 39 51.9–.10 47.50N 154.50E 63–4 5.1b,4.4s
NEIC V 12 04 39 52.9–1.4 47.60N–.10 154.3E–.10 46–6 4.5b,4.4s
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 13 00 38 50.6–.81 48.55N–.10 155.3E–.10 36 3.7b 37 2-137
KRSC V 13 00 38 50.4–1.5 48.66N 156.16E 16–27 4.3L ¶610638584
IDC V 13 00 38 54.5–2.8 48.78N 155.00E 74–26 3.8,3.4b
ISC Event type se.
KRSC Event type se.
IDC Error ellipse: s-maj=30.1km s-min=14.9km az=138.0.
ISC V 13 05 29 52.1–4.2 44.1N–.10 149.4E–.20 35 20 2-5
SKHL V 13 05 29 51.9–.40 44.10N 149.40E 50–4 4.4b ¶614820762
JMA V 13 05 29 51.2–.72 44N–3.0 149E–4.0 30 3.8
ISC Event type ke.
JMA Event type ke. SE OFF ETOROFU .
ISC V 13 13 46 10.8–.58 44.76N–.04 148.39E–.05 122–5 4.4b 242 1-142
MOS V 13 13 46 11.2–.97 44.92N 148.33E 128 4.4b ¶610638473
SKHL V 13 13 46 12.6–.40 44.90N 148.20E 125–5 5.9,5.4b
JMA V 13 13 46 12.2–.37 44N–2.0 148E–2.0 132 4.5,5.4b
IDC V 13 13 46 13.9–1.8 45.19N 148.19E 124–15 4.2,3.8b
NEIC V 13 13 46 13.4–2.4 44.76N–.09 148.4E–.10 139–7 4.4b,3.8b
ISC Event type ke.
JMA Event type ke. SE OFF ETOROFU .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC V 13 20 40 20.7–4.9 47.20N 151.62E 160–42 3.1,2.7b
¶610690213
IDC Error ellipse: s-maj=73.1km s-min=24.8km az=158.0.
ISC V 14 00 50 44.9–2.2 44.88N–.08 149.30E–.08 27–16 3.5b 28 1-141
IDC V 14 00 50 41.7–2.2 44.69N 149.71E 0 3.4,3.4b ¶610638598
MOS V 14 00 50 46.7–3.4 45.73N 148.59E 33 3.9b,3.4b
SKHL V 14 00 50 48.4–.60 44.90N 149.20E 66–4 4.6b,3.4b
ISC Event type ke.
IDC Error ellipse: s-maj=81.9km s-min=27.6km az=163.0.
MOS Error ellipse: s-maj=23.3km s-min=9.8km az=58.8.
KRSC V 14 19 23 26.3–1.6 50.44N 157.23E 31–24 3.6L
¶610638723
KRSC Event type se.
ISC V 15 06 24 49.1–1.2 44.57N–.05 149.10E–.07 43–11 4.1b 167 1-148
JMA V 15 06 24 48.0–1.1 45N–4.0 149E–7.0 30 4.7 ¶610638736
NIED V 15 06 24 48.0 44.84N 149.03E 30 4.0W
SKHL V 15 06 24 48.1–.60 44.60N 149.20E 47–4 5.2b
MOS V 15 06 24 48.5–1.2 44.64N 148.99E 50 4.3b
IDC V 15 06 24 51.0–2.8 44.76N 148.96E 54–24 3.8,3.6b
NEIC V 15 06 24 51.0–1.6 44.50N–.09 149.03E–.10 63–8 4.2b,3.6b
ISC Event type ke.
JMA Event type ke. SE OFF ETOROFU .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}1.01 $M_{\theta\theta}$-0.30 $M_{\phi\phi}$-0.70 $M_{r\theta}$-0.32 $M_{\theta\phi}$-0.27 $M_{\phi r}$0.88 NP1:ϕ_s358.00000°,δ68.00000°,λ73.00000°. NP2:ϕ_s217.00000° ,δ28.00000°,λ125.00000°. $M_0$1.28000×10^{15}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 16 01 59 11.5–.63 50.56N–.06 157.31E–.04 66–5 4.4b 233 1-89
KRSC V 16 01 59 09.0–1.5 50.55N 157.49E 50–22 4.7L ¶610641344
MOS V 16 01 59 09.1–1.0 50.46N 157.34E 57 4.6b
NEIC V 16 01 59 11.7–1.5 50.61N–.06 157.2E–.20 65–7 4.4b
IDC V 16 01 59 12.1–.74 50.64N 157.18E 66–6 4.2,3.9b
ISC Event type se.
KRSC Event type se.
MOS Event type fe. Error ellipse: s-maj=11.0km s-min=3.9km az=78.1. Felt (III) at Severo-Kuril'sk. Moment Tensor Solution.
NEIC Event type se. Error ellipse: s-maj=17.7km s-min=4.8km az=117.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=13.0km s-min=8.9km az=127.0.
ISC V 16 10 19 35.2–3.0 44.18N–.05 148.92E–.07 23–22 3.8b,3.0s 66 1-81
MOS V 16 10 19 37.5–.93 44.30N 148.89E 43 4.0b,3.0s ¶610641634
SKHL V 16 10 19 39.0–.40 44.30N 148.80E 50–4 4.8b,3.0s
JMA V 16 10 19 39.8–.34 44N–1.0 148E–2.0 0 4.3,3.0s
NIED V 16 10 19 39.8 43.99N 148.36E 0 3.8W,3.0s
IDC V 16 10 19 43.9–3.5 44.77N 148.34E 94–28 3.7,3.4b
ISC Event type ke.
MOS Error ellipse: s-maj=14.0km s-min=11.5km az=153.7.
JMA Event type ke. SE OFF ETOROFU .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-1.03 $M_{\theta\theta}$0.60 $M_{\phi\phi}$0.43 $M_{r\theta}$4.67 $M_{\theta\phi}$-2.49 $M_{\phi r}$2.09 NP1:ϕ_s260.00000°,δ86.00000°,λ-116.00000°. NP2:ϕ_s162.00000° ,δ26.00000°,λ-8.00000°. $M_0$5.54000×10^{14}
IDC Error ellipse: s-maj=48.0km s-min=26.6km az=161.0.
ISC V 20 01 21 42.1–.30 45.10N–.05 150.90E–.04 35–3 4.9b,4.6s 909 2-152
IDC V 20 01 21 37.8–.46 45.35N 150.73E 0 4.5,4.5b ¶616639956
BJI V 20 01 21 39.2–.00 45.18N 151.05E 33 5.3b,4.9b
JMA V 20 01 21 41.4–.79 45N–4.0 151E–5.0 30 5.3,4.9
SKHL V 20 01 21 42.4–.40 45.10N 150.90E 52–2 5.4b,4.9
NEIC V 20 01 21 42.5–1.2 45.19N–.10 150.8E–.10 32–5 4.8b,4.9
MOS V 20 01 21 43.1–.94 45.27N 150.69E 49 5.2b,4.7s
ISC Event type ke.
IDC Error ellipse: s-maj=14.3km s-min=10.3km az=142.0.
JMA Event type ke. KURILE ISLANDS REGION .
NEIC Event type se. Error ellipse: s-maj=15.5km s-min=10.3km az=143.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=6.1km s-min=4.7km az=118.0.
KRSC V 20 03 57 45.0–1.7 50.15N 156.95E 82–25 3.9L
¶610646008
KRSC Event type se.
ISC V 20 22 09 46.0–2.6 44.32N–.08 148.2E–.20 10 26 1-6
SKHL V 20 22 09 48.2–.40 44.40N 148.40E 40–3 4.3b ¶614827248
JMA V 20 22 09 48.6–.54 44N–2.0 148E–3.0 0 3.8
ISC Event type ke.
JMA Event type ke. SE OFF ETOROFU .
ISC V 21 10 36 32.1–.57 45.04N–.06 151.12E–.05 52–4 4.1b,3.6s 172 2-83
JMA V 21 10 36 26.6–.86 45N–4.0 152E–6.0 30 4.4,3.6s ¶610646031
NIED V 21 10 36 26.6 45.33N 151.54E 30 4.1W,3.6s
SKHL V 21 10 36 30.9–.20 44.90N 151.30E 65–5 4.8b,3.6s
MOS V 21 10 36 31.6–1.0 45.22N 151.01E 53 4.4b,3.6s
IDC V 21 10 36 33.1–.61 45.45N 150.93E 45–6 3.9,3.6b
NEIC V 21 10 36 33.4–2.3 45.0N–.20 151.1E–.20 59–12 4.3b,3.6b
ISC Event type ke.
JMA Event type ke. KURILE ISLANDS REGION .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.79 $M_{\theta\theta}$0.67 $M_{\phi\phi}$-1.46 $M_{r\theta}$-0.46 $M_{\theta\phi}$-0.54 $M_{\phi r}$0.77 NP1:ϕ_s340.00000°,δ70.00000°,λ48.00000°. NP2:ϕ_s230.00000° ,δ46.00000°,λ152.00000°. $M_0$1.62000×10^{15}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 21 14 44 52.8–1.4 49.6N–.10 155.8E–.20 54 21 1-75
IDC V 21 14 44 46.6–1.6 49.47N 154.91E 0 3.4b,3.3 ¶610646164
KRSC V 21 14 44 53.0–.64 49.69N 156.59E 16–8 4.0L,3.3
ISC Event type se.
IDC Error ellipse: s-maj=147.2km s-min=27.3km az=113.0.
KRSC Event type se.
ISC V 21 19 51 20.6–2.8 44.26N–.09 148.2E–.20 13–11 27 1-4
NIED V 21 19 51 22.6 43.99N 147.91E 0 3.4W ¶610667709
JMA V 21 19 51 22.6–.33 44N–1.0 148E–2.0 0 3.9
SKHL V 21 19 51 24.1–.30 44.40N 148.10E 54–4 4.7b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}0.28 $M_{\theta\theta}$-0.14 $M_{\phi\phi}$-0.14 $M_{r\theta}$0.72 $M_{\theta\phi}$-0.42 $M_{\phi r}$1.06 NP1:ϕ_s33.00000°,δ81.00000°,λ83.00000°. NP2:ϕ_s251.00000° ,δ11.00000°,λ128.00000°. $M_0$1.35000×10^{14}
JMA Event type ke. SE OFF ETOROFU .
ISC V 21 21 48 08.3–.79 50.73N–.06 157.56E–.06 78–5 3.8b 119 1-136
KRSC V 21 21 48 06.0–1.2 50.70N 157.81E 41–20 4.7L ¶610646089
MOS V 21 21 48 08.1–1.0 50.84N 157.32E 88 4.0b
IDC V 21 21 48 10.6–2.3 50.98N 157.26E 89–20 3.8,3.5b
ISC Event type se.
KRSC Event type se.
MOS Error ellipse: s-maj=13.0km s-min=4.4km az=80.7.
IDC Error ellipse: s-maj=18.8km s-min=13.2km az=124.0.
ISC V 21 22 08 18.7–.74 48.73N–.09 154.57E–.10 114–6 4.0b 124 2-138
MOS V 21 22 08 15.0–1.0 48.72N 154.01E 89 4.0b ¶610646165
SKHL V 21 22 08 19.3–.90 48.90N 154.10E 108–6 5.7,4.9b
KRSC V 21 22 08 19.4–1.6 48.52N 156.19E 72–34 4.4L,4.9b
IDC V 21 22 08 21.0–2.0 48.96N 154.41E 128–17 3.9,3.6b
ISC Event type se.
MOS Error ellipse: s-maj=19.9km s-min=5.2km az=72.0.
KRSC Event type se.
IDC Error ellipse: s-maj=19.1km s-min=11.6km az=123.0.
ISC V 22 11 00 57.2–.23 43.91N–.03 147.70E–.02 54–1 6.0b,4.9s 2665 1-153
BJI V 22 11 00 55.9–.00 43.93N 147.52E 43 5.5b,5.5b ¶611833954
NEIC V 22 11 00 56.5 43.94N 147.71E 40 5.5b,5.5b
IDC V 22 11 00 57.3–1.1 43.88N 147.73E 56–9 5.7,5.4b
NEIC V 22 11 00 58.0–1.6 43.92N–.07 147.72E–.10 54–1 5.9b,5.5
SKHL V 22 11 00 57.4–.10 43.80N 147.90E 72–5 6.3b,5.1s
MOS V 22 11 00 57.3–.90 43.82N 147.75E 69 6.3b,5.0s
NEIC V 22 11 00 58 43.83N 147.86E 60 6.3b,5.0s
NIED V 22 11 00 58.8 43.65N 147.63E 35 5.6W,5.0s
BGR V 22 11 00 58.1 43.99N 147.72E 33 6.4,5.9b
NEIC V 22 11 00 58 43.93N 147.72E 60 6.4,5.9b
JMA V 22 11 00 58.8–.33 43.7N–1.0 148E–2.0 35 5.7,5.5W
GCMT V 22 11 00 59.0–.10 43.88N–.01 147.85E–.01 55–0 5.6W,5.5W
ISC Event type ke.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.48 $M_{\theta\theta}$0.08 $M_{\phi\phi}$-1.56 $M_{r\theta}$1.47 $M_{\theta\phi}$-0.38 $M_{\phi r}$0.69 NP1:ϕ_s170.95000°,δ32.88000°,λ42.26000°. NP2:ϕ_s43.60000°,δ68.59000° ,λ115.57000°. Principal axes: T 2.4437,Plg58.0000°,Azm349.0000°; N -0.4413,Plg24.0000° ,Azm214.0000°; P -2.0024,Plg20.0000°,Azm115.0000° $M_0$2.26000×10^{17}
MOS Event type fe. Felt (IV) at Malokuril'skoye; Gorniy, Goryachiye Klyuchi; (III-IV) at Kuril'sk, Reydovo; (III) at Goryachiy Plyazh, Lagunnoye, Mendeleyevo, Yuzhno- Kuril'sk. Moment Tensor Solution.
NEIC Event type se. Moment Tensor Solution.Duration: 2s7 Moment tensor: Scale 10^{17}Nm; M_{rr}0.33 $M_{\theta\theta}$1.22 $M_{\phi\phi}$-1.55 $M_{r\theta}$1.14 $M_{\theta\phi}$-0.30 $M_{\phi r}$0.52 NP1:ϕ_s48.29000°,δ80.72000° ,λ139.67000°. NP2:ϕ_s146.09000°,δ50.31000°,λ12.10000°. Principal axes: T 1.9955,Plg34.0000°,Azm359.0000°; N -0.1848,Plg49.0000°,Azm218.0000° ; P -1.8106,Plg20.0000°,Azm103.0000° $M_0$1.90000×10^{17}
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{17}Nm; M_{rr}0.53 $M_{\theta\theta}$1.34 $M_{\phi\phi}$-1.88 $M_{r\theta}$1.94 $M_{\theta\phi}$-0.53 $M_{\phi r}$0.67 NP1:ϕ_s52.00000°,δ81.00000°,λ132.00000°. NP2:ϕ_s152.00000° ,δ43.00000°,λ13.00000°. $M_0$2.66000×10^{17}
BGR Event type se.
NEIC Event type se.
JMA Event type fe. E OFF HOKKAIDO .
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s121,c204; s147,c291;Duration: 1s5 Moment tensor: Scale 10^{17}Nm; M_{rr}1.56±.04 $M_{\theta\theta}$1.09±.04; $M_{\phi\phi}$-2.65±.03; $M_{r\theta}$1.55±.03; $M_{\theta\phi}$-0.85±.03; $M_{\phi r}$0.79±.03; Best double couple: NP1:ϕ_s45.00000°,δ69.00000°,λ130.00000°. NP2:ϕ_s158.00000°,δ44.00000°,λ31.00000°. Principal axes: T 2.8930,Plg49.0000° ,Azm359.0000°; N 0.2270,Plg37.0000°,Azm208.0000°; P -3.1210,Plg14.0000° ,Azm107.0000° $M_0$3.00700×10^{17}
ISC V 23 16 09 43.8–3.0 44.32N–.08 148.3E–.20 7–12 26 1-6
JMA V 23 16 09 46.0–.31 44N–2.0 148E–2.0 0 3.9 ¶614829739
SKHL V 23 16 09 47.9–.30 44.50N 148.20E 44–4 4.3b
ISC Event type ke.
JMA Event type ke. SE OFF ETOROFU .
ISC V 23 19 12 25.6–1.0 43.77N–.07 147.26E–.07 84–6 3.5b 49 0-72
IDC V 23 19 12 14.3–1.5 43.92N 147.76E 0 3.6,3.6b ¶610685246
MOS V 23 19 12 22.0–.93 43.84N 147.69E 80 4.2b,3.6b
SKHL V 23 19 12 27.4–.20 43.80N 147.20E 82–3 5.6,4.6b
JMA V 23 19 12 27.6–.25 43.7N–.90 147E–2.0 74–4 3.4,4.6b
ISC Event type ke.
JMA Event type ke. E OFF HOKKAIDO .
ISC V 24 05 13 29.6–.62 46.30N–.08 152.94E–.07 50 3.7b 56 4-149
SKHL V 24 05 13 27.9–.50 46.20N 153.10E 60–4 4.7b ¶610650880
IDC V 24 05 13 28.7–3.7 46.49N 152.88E 39–31 3.7,3.4b
MOS V 24 05 13 28.9–2.1 46.53N 152.62E 47 4.3b,3.4b
ISC Event type se.
IDC Error ellipse: s-maj=23.6km s-min=18.1km az=133.0.
MOS Error ellipse: s-maj=13.3km s-min=8.0km az=57.4.
KRSC V 24 09 13 58.7–1.6 48.28N 153.89E 199–25 4.1L
¶610653812
KRSC Event type se.
ISC V 24 11 23 41.0–1.4 43.51N–.07 147.50E–.07 41–12 3.7b 68 1-72
MOS V 24 11 23 41.3–1.6 43.65N 147.48E 54 4.3b ¶610651499
SKHL V 24 11 23 42.8–.40 43.60N 147.40E 62–2 4.8b
JMA V 24 11 23 43.0–.23 43.5N–.80 147E–1.0 36 4.0
IDC V 24 11 23 50.3–2.8 44.96N 146.86E 50–27 3.7,3.5b
ISC Event type ke.
MOS Error ellipse: s-maj=12.6km s-min=10.0km az=73.9.
JMA Event type ke. E OFF HOKKAIDO .
IDC Error ellipse: s-maj=34.4km s-min=21.2km az=142.0.
ISC V 26 19 06 36.4–1.9 43.01N–.08 146.26E–.06 16–10 22 1-3
JMA V 26 19 06 37.8–.14 42.9N–.50 146.3E–.70 42–1 2.7 ¶614832448
SKHL V 26 19 06 39.3–.20 43.00N 146.30E 50–2 3.6b
ISC Event type ke.
JMA Event type ke. OFF NEMURO PENINSULA .
ISC V 28 02 13 17.7–2.9 44.27N–.09 148.3E–.20 11–12 27 1-6
JMA V 28 02 13 19.9–.33 44N–2.0 148E–2.0 0 4.2 ¶614833964
SKHL V 28 02 13 21.8–.40 44.40N 148.20E 54–4 4.5b
ISC Event type ke.
JMA Event type ke. SE OFF ETOROFU .
KRSC V 28 04 04 01.2–2.2 49.52N 156.87E 7–38 3.7L
¶610655484
KRSC Event type se.
ISC V 28 16 57 01.3–.58 48.19N–.05 154.31E–.05 65–4 4.4b 472 3-148
KRSC V 28 16 56 58.1–1.9 48.15N 154.51E 113–42 4.9L ¶610655165
SKHL V 28 16 57 00.7–.60 48.10N 154.60E 76–4 5.0b

NEIC V 28 16 57 00.9–1.7 48.28N–.08 154.2E–.10 51–4 4.5b
MOS V 28 16 57 00.2–1.1 48.28N 154.27E 67 4.6b
IDC V 28 16 57 03.7–2.2 48.39N 154.13E 83–19 4.2,3.8b
ISC Event type se.
KRSC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.9km s-min=8.5km az=130.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=8.5km s-min=3.6km az=69.3.
IDC Error ellipse: s-maj=14.3km s-min=9.8km az=139.0.
KRSC V 29 07 12 20.5–1.9 50.19N 156.99E 70–23 4.3L ¶610655779
KRSC Event type se.
ISC V 30 07 16 54.9–.80 49.41N–.08 156.60E–.07 57 3.8b 122 1-136
NEIC V 30 07 16 51.9–1.9 49.2N–.20 156.0E–.30 51–15 4.2b **¶610655736**
KRSC V 30 07 16 53.7–3.0 49.47N 157.11E 41–42 4.3L
MOS V 30 07 16 55.3–.70 49.55N 156.32E 77 3.9b
IDC V 30 07 16 55.3–6.8 49.59N 155.40E 86–48 5.1L,3.7
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=28.2km s-min=19.2km az=135.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
KRSC Event type se.
MOS Error ellipse: s-maj=21.5km s-min=4.0km az=76.6.
IDC Error ellipse: s-maj=53.8km s-min=34.7km az=4.0.
ISC V 31 10 51 51.5–.73 49.65N–.08 156.36E–.08 53 3.5b 87 1-137
MOS V 31 10 51 45.5–.73 49.37N 156.79E 17 4.1b **¶610657038**
KRSC V 31 10 51 48.3–1.9 49.67N 156.88E 16–26 4.5L
IDC V 31 10 51 53.6–3.1 49.91N 156.05E 81–30 3.6,3.2b
ISC Event type se.
MOS Error ellipse: s-maj=17.2km s-min=3.8km az=78.9.
KRSC Event type se.
IDC Error ellipse: s-maj=44.7km s-min=17.4km az=139.0.
ISC V 31 16 20 56.0–4.0 44.8N–.20 146.7E–.20 189–25 20 1-4
SKHL V 31 16 20 55.3–.10 42.40N 148.40E 58–4 3.6b **¶614837187**
JMA V 31 16 20 56.6–.47 45N–2.0 147E–4.0 179 2.5
ISC Event type ke.
JMA Event type ke. NEAR ETOROFU ISLAND .
ISC V 31 17 17 00.3–1.2 47.3N–.10 154.2E–.10 35 3.6b 41 4-77
IDC V 31 17 16 55.4–2.4 47.22N 153.80E 0 3.6,3.6b **¶610657362**
SKHL V 31 17 16 59.4–.20 47.10N 154.40E 65–5 4.5b,3.6b
MOS V 31 17 16 59.7–1.4 47.48N 153.95E 38 3.9b,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=63.5km s-min=33.9km az=179.0.
MOS Error ellipse: s-maj=22.9km s-min=6.0km az=66.0.
KRSC VI 02 07 49 09.1–1.6 50.25N 157.07E 42–21 4.2L ¶610661102
KRSC Event type se.
ISC VI 03 11 47 23.9–.24 50.82N–.03 157.34E–.02 59–1 5.5b,4.5s 2296 1-159
KRSC VI 03 11 47 20.6–2.3 50.63N 157.67E 62–26 5.9L,5.5 **¶611834039**
BJI VI 03 11 47 22.3–.00 50.86N 157.20E 60 5.4b,5.1b
NEIC VI 03 11 47 23.7 50.53N 158.12E 60 5.4b,5.1b
NEIC VI 03 11 47 23.3–2.2 50.82N–.05 157.35E–.08 44–1 5.6b,5.3
NEIC VI 03 11 47 23.7 50.83N 157.33E 60 5.6b,5.3
NEIC VI 03 11 47 23.1 50.86N 157.26E 42 5.6b,5.3
MOS VI 03 11 47 24.0–.92 50.84N 157.18E 74 5.7b,4.8s
IDC VI 03 11 47 25.9–1.3 50.95N 157.20E 71–10 5.5,5.2b
GCMT VI 03 11 47 26.3–.10 50.76N–.01 157.70E–.01 54–0 5.3W,5.2b
BGR VI 03 11 47 27.3 51.83N 156.31E 33 5.5b,5.2b
ISC Event type ke.
KRSC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2s1 Moment tensor: Scale 10^{17}Nm; M_{rr}0.98 $M_{\theta\theta}$-0.22 $M_{\phi\phi}$-0.76 $M_{r\theta}$0.06 $M_{\theta\phi}$-0.53 $M_{\phi r}$0.10 NP1:ϕ_s31.36000°,δ48.09000°,λ89.90000°. NP2:ϕ_s211.52000°,δ41.91000°,λ90.11000°. Principal axes: T 0.9900,Plg87.0000°,Azm300.0000°; N 0.1019,Plg0.0000°,Azm31.0000°; P -1.0919,Plg3.0000°,Azm121.0000° $M_0$1.04000×10^{17}
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=5.2km az=226.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.15 $M_{\theta\theta}$-0.67 $M_{\phi\phi}$-0.47 $M_{r\theta}$0.20 $M_{\theta\phi}$-0.50 $M_{\phi r}$0.31 NP1:ϕ_s235.61000°,δ36.37000°,λ98.12000°. NP2:ϕ_s45.57000°,δ54.05000°,λ84.06000°. Principal axes: T 1.2099,Plg80.0000°,Azm291.0000°; N -0.0751,Plg5.0000°,Azm49.0000°; P -1.1347,Plg9.0000°,Azm140.0000° $M_0$1.17000×10^{17}
NEIC Event type se.
NEIC Event type se.
MOS Event type fe. Error ellipse: s-maj=5.5km s-min=2.7km az=84.0. Felt (III) at Severo-Kurilsk; (II) at Petropavlovsk-Kamchatsky. Moment Tensor Solution.
IDC Error ellipse: s-maj=9.7km s-min=7.8km az=134.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s131,c218; s140,c255;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}1.25±.02 $M_{\theta\theta}$-0.39±.02; $M_{\phi\phi}$-0.85±.02; $M_{r\theta}$0.21±.01; $M_{\theta\phi}$-0.64±.01; $M_{\phi r}$0.39±.01; Best double couple: NP1:ϕ_s33.00000°,δ55.00000°,λ87.00000°. NP2:ϕ_s217.00000°,δ35.00000°,λ94.00000°. Principal axes: T 1.3270,Plg80.0000°,Azm292.0000°; N 0.0490,Plg2.0000°,Azm34.0000°; P -1.3780,Plg10.0000°,Azm125.0000° $M_0$1.35200×10^{17}
BGR Event type ke.
KRSC VI 03 11 57 27.8–1.6 50.74N 157.65E 43–22 4.1L ¶610661303
KRSC Event type se.
KRSC VI 05 10 51 58.1–2.6 49.17N 156.62E 16–36 3.8L ¶610664148
KRSC Event type se.
ISC VI 07 07 50 53.5–3.5 44.25N–.08 148.1E–.10 9–24 33 1-7
JMA VI 07 07 50 55.5–.26 44N–1.0 148E–1.0 0 3.9 **¶614842695**
SKHL VI 07 07 50 57.6–.30 44.40N 148.00E 27–3 4.4b
ISC Event type ke.
JMA Event type ke. SE OFF ETOROFU .
KRSC VI 07 09 14 14.8–2.2 49.14N 156.16E 16–30 4.0L ¶610667877
KRSC Event type se.
ISC VI 08 14 55 27.1–.93 47.0N–.10 153.0E–.10 50 3.9b 23 4-139
SKHL VI 08 14 55 28.4–.60 47.30N 152.50E 105–5 5.4,4.6b **¶610791470**
IDC VI 08 14 55 31.1–2.9 47.15N 152.84E 84–25 3.8,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=32.1km s-min=18.3km az=133.0.
SKHL VI 09 19 33 50.2–.10 44.20N 146.10E 167–2 4.4,3.8b ¶617198913
ISC VI 10 06 19 02.5–.66 44.19N–.07 149.76E–.07 51 3.9b 74 2-72
SKHL VI 10 06 18 59.4–.20 44.20N 150.00E 41–4 4.8b **¶610669154**
MOS VI 10 06 19 00.5–1.4 44.42N 149.73E 38 4.2b
JMA VI 10 06 19 00.3–.99 44N–4.0 150E–6.0 30 4.2
IDC VI 10 06 19 04.4–2.5 44.47N 149.49E 54–20 4.5s,3.9
ISC Event type ke.
MOS Error ellipse: s-maj=10.2km s-min=8.4km az=54.9.
JMA Event type ke. SE OFF ETOROFU .
IDC Error ellipse: s-maj=23.6km s-min=15.9km az=131.0.
ISC VI 10 06 43 17.0–1.6 44.3N–.10 149.8E–.10 34 3.7b 33 2-81
JMA VI 10 06 43 14.5–.78 45N–3.0 150E–5.0 30 3.8 **¶610791580**
SKHL VI 10 06 43 15.7–.30 44.30N 150.00E 51–5 4.5b
IDC VI 10 06 43 15.6–2.7 45.05N 149.79E 0 3.7b,3.6
MOS VI 10 06 43 18.3–1.5 44.35N 149.62E 58 4.0b,3.6
ISC Event type ke.
JMA Event type ke. SE OFF ETOROFU .
IDC Error ellipse: s-maj=79.1km s-min=30.2km az=173.0.
MOS Error ellipse: s-maj=26.3km s-min=14.5km az=2.6.
ISC VI 10 07 43 19.0–1.1 44.14N–.08 149.90E–.08 35 3.8b 40 2-81
IDC VI 10 07 43 17.5–2.8 44.72N 149.82E 0 3.7,3.7b **¶610791582**
MOS VI 10 07 43 18.5–1.6 44.44N 149.89E 36 4.0b,3.7b
SKHL VI 10 07 43 18.5–.10 44.20N 149.90E 43–5 4.5b,3.7b
JMA VI 10 07 43 19.2–.76 45N–3.0 150E–5.0 30 3.9,3.7b
ISC Event type ke.
JMA Event type ke. SE OFF ETOROFU .
ISC VI 10 07 58 41.0–4.3 44.2N–.10 149.7E–.20 35 19 2-5
SKHL VI 10 07 58 37.9–.50 44.20N 150.00E 30–5 4.3b **¶614845308**
JMA VI 10 07 58 39.4–.73 44N–3.0 150E–4.0 30 3.9
ISC Event type ke.
JMA Event type ke. SE OFF ETOROFU .
ISC VI 10 09 18 39.7–1.6 43.30N–.09 146.35E–.06 31–12 23 0-2
JMA VI 10 09 18 40.9–.24 43.3N–.70 146E–1.0 45–1 3.6 **¶614845361**
SKHL VI 10 09 18 41.0–.20 43.30N 146.30E 30–4 4.7b
ISC Event type ke.
JMA Event type fe. OFF NEMURO PENINSULA .
ISC VI 10 18 30 48.1–.85 49.17N–.08 156.16E–.10 50 3.5b 58 2-137
MOS VI 10 18 30 45.8–.58 49.00N 156.30E 38 4.1b **¶610669605**
KRSC VI 10 18 30 49.0–1.9 49.39N 157.04E 14–36 4.4L
IDC VI 10 18 30 51.5–3.8 49.50N 155.74E 84–37 3.5,3.2b
ISC Event type se.
MOS Error ellipse: s-maj=26.1km s-min=4.9km az=77.5.
KRSC Event type se.
IDC Error ellipse: s-maj=41.0km s-min=16.7km az=143.0.
ISC VI 10 23 39 44.9–3.2 44.3N–.10 148.1E–.20 13–15 27 1-4
JMA VI 10 23 39 46.9–.32 44N–1.0 148E–2.0 0 3.7 **¶614845970**
SKHL VI 10 23 39 47.8–.20 44.30N 148.00E 26–5 4.3b
ISC Event type ke.
JMA Event type ke. SE OFF ETOROFU .
ISC VI 11 13 19 51.7–1.6 43.34N–.07 146.17E–.06 47–11 26 0-2
JMA VI 11 13 19 52.2–.20 43.3N–.70 146E–1.0 51–1 2.8 **¶614846562**
SKHL VI 11 13 19 52.9–.20 43.40N 146.10E 41–3 4.1b
ISC Event type ke.
JMA Event type ke. OFF NEMURO PENINSULA .
ISC VI 12 11 19 11.9–1.0 43.72N–.06 147.48E–.06 44–9 4.3b 285 0-143
MOS VI 12 11 19 11.4–1.3 43.78N 147.39E 60 4.6b **¶610670111**
SKHL VI 12 11 19 11.4–.30 43.60N 147.50E 60–5 5.3b
NIED VI 12 11 19 12.7 43.67N 147.29E 26 3.8W
JMA VI 12 11 19 12.7–.24 43.7N–.80 147E–1.0 26 4.3
NEIC VI 12 11 19 13.0–1.2 43.8N–.10 147.4E–.20 42–7 4.3b
IDC VI 12 11 19 13.1–2.6 43.90N 147.35E 54–23 3.9,3.7b
ISC Event type ke.
MOS Error ellipse: s-maj=10.1km s-min=7.7km az=65.2.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}1.48 $M_{\theta\theta}$-0.04 $M_{\phi\phi}$-1.44 $M_{r\theta}$4.42 $M_{\theta\phi}$-0.47 $M_{\phi r}$-4.51 NP1:ϕ_s138.00000°,δ86.00000°,λ83.00000°. NP2:ϕ_s17.00000°,δ8.00000°,λ148.00000°. $M_0$6.42000×10^{14}
JMA Event type ke. E OFF HOKKAIDO .
NEIC Event type se. Error ellipse: s-maj=25.0km s-min=13.0km az=144.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=30.5km s-min=14.7km az=157.0.
ISC VI 14 06 37 49.0–.47 48.26N–.06 154.26E–.05 100 4.2b 214 3-148
MOS VI 14 06 37 48.8–1.4 48.35N 154.01E 107 4.5b **¶610673136**
KRSC VI 14 06 37 48.4–1.8 48.08N 156.36E 12–37 4.7L
SKHL VI 14 06 37 48.3–.20 48.10N 154.50E 107–4 5.8,5.1b
IDC VI 14 06 37 50.2–1.8 48.45N 153.68E 99–16 4.1,3.8b
NEIC VI 14 06 37 52.9–1.7 48.7N–.20 153.6E–.20 108–12 4.2b,3.8b
ISC Event type se.
KRSC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 15 07 32 14.3–.73 43.82N–.05 146.36E–.04 99–5 3.4b 56 0-83
SKHL VI 15 07 32 13.2–.30 43.90N 146.30E 95–2 5.8,4.9b **¶610791924**
MOS VI 15 07 32 13.0–1.1 43.88N 146.14E 103 4.5b,4.9b
IDC VI 15 07 32 13.2–5.0 43.98N 146.18E 86–47 3.5,3.2b
JMA VI 15 07 32 14.5–.20 43.8N–.70 146E–1.0 96–1 3.6,3.2b
ISC Event type ke.
JMA Event type ke. NEAR KUNASHIRI ISLAND .
ISC VI 16 09 09 14.8–.88 44.55N–.05 148.61E–.06 58–7 4.3b,3.5s 288 1-142
MOS VI 16 09 09 13.8–1.1 44.58N 148.59E 60 4.5b,3.5s **¶610677959**
NIED VI 16 09 09 14.4 44.19N 148.35E 0 4.1W,3.5s
JMA VI 16 09 09 14.4–.48 44N–2.0 148E–3.0 0 5.0,3.5s
SKHL VI 16 09 09 14.8–.20 44.60N 148.60E 67–4 5.6b,3.5s
NEIC VI 16 09 09 17.1–1.4 44.66N–.05 148.4E–.10 69–6 4.3b,3.5s
IDC VI 16 09 09 17.7–2.1 44.72N 148.41E 83–18 4.1,3.8b
ISC Event type ke.
MOS Error ellipse: s-maj=7.6km s-min=6.3km az=64.6.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.37 $M_{\theta\theta}$0.15 $M_{\phi\phi}$-0.52 $M_{r\theta}$0.37 $M_{\theta\phi}$-0.52 $M_{\phi r}$1.28 NP1:ϕ_s14.00000°,δ79.00000°,λ79.00000°. NP2:ϕ_s240.00000°,δ16.00000°,λ135.00000°. $M_0$1.47000×10^{15}
JMA Event type ke. SE OFF ETOROFU .
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=6.1km az=110.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=15.0km s-min=11.3km az=137.0.
ISC VI 17 17 27 29.2–.55 44.68N–.04 146.40E–.04 181–5 4.1b 237 1-92
MOS VI 17 17 27 28.6–.99 44.74N 146.38E 186 4.1b **¶614852603**
IDC VI 17 17 27 29.9–1.5 44.90N 146.37E 175–11 4.1,3.7s
SKHL VI 17 17 27 29.0–.20 44.80N 146.30E 168–4 5.6,5.2b
NEIC VI 17 17 27 29.2–2.2 44.68N–.07 146.4E–.10 177–7 4.2b,5.2b
JMA VI 17 17 27 30.7–.27 45N–1.0 146E–2.0 179–2 3.8,5.2b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. NEAR KUNASHIRI ISLAND .
ISC VI 20 00 42 48.9–.80 45.01N–.06 149.50E–.07 73–6 3.7b 85 1-141
JMA VI 20 00 42 47.3–.84 45N–4.0 149E–5.0 30 4.7 **¶610681925**
NIED VI 20 00 42 47.3 45.29N 149.45E 30 3.8W
SKHL VI 20 00 42 48.4–.20 45.10N 149.50E 77–5 4.9b
MOS VI 20 00 42 48.3–1.6 45.07N 149.38E 84 3.8b
IDC VI 20 00 42 52.2–2.8 45.33N 149.04E 97–25 3.7,3.4b
ISC Event type ke.
JMA Event type ke. SE OFF ETOROFU .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}2.10 $M_{\theta\theta}$0.17 $M_{\phi\phi}$-2.27 $M_{r\theta}$-3.63 $M_{\theta\phi}$-3.10 $M_{\phi r}$4.49 NP1:ϕ_s347.00000°,δ79.00000°,λ55.00000°. NP2:ϕ_s241.00000°,δ37.00000°,λ161.00000°. $M_0$6.53000×10^{14}
MOS Error ellipse: s-maj=12.2km s-min=8.1km az=135.0.
IDC Error ellipse: s-maj=26.4km s-min=15.3km az=137.0.
ISC VI 20 09 35 05.7–.95 50.36N–.08 157.45E–.07 108–7 3.5b 75 1-136
MOS VI 20 09 35 05.2–.61 50.37N 157.21E 120 3.8b **¶610688728**
KRSC VI 20 09 35 05.8–2.0 50.43N 157.47E 104–24 4.2L
IDC VI 20 09 35 08.6–2.2 51.01N 156.11E 150–21 3.7,3.3b
ISC Event type se.
MOS Error ellipse: s-maj=37.0km s-min=5.2km az=78.2.
KRSC Event type se.
IDC Error ellipse: s-maj=29.1km s-min=24.7km az=141.0.
ISC VI 20 18 25 17.7–.80 47.05N–.10 153.1E–.10 56 3.5b 33 4-77
IDC VI 20 18 25 10.8–1.1 46.74N 153.71E 0 3.6,3.6b **¶610789172**
MOS VI 20 18 25 16.2–1.6 47.04N 153.22E 58 4.7b,3.6b
SKHL VI 20 18 25 18.4–.50 47.10N 153.00E 76–4 4.7b,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=57.0km s-min=20.2km az=130.0.
MOS Error ellipse: s-maj=32.2km s-min=9.8km az=50.9.
ISC VI 22 02 41 54.9–.30 44.96N–.03 149.79E–.03 69–2 5.4b 1580 1-152
BJI VI 22 02 41 52.1–.00 45.07N 149.80E 59 5.2b,5.1b **¶616640025**
MOS VI 22 02 41 53.9–1.2 44.97N 149.81E 76 5.8b,4.5s
SKHL VI 22 02 41 54.2–.50 44.80N 150.00E 89–5 6.9,6.3b
IDC VI 22 02 41 55.6–1.3 45.13N 149.75E 72–10 5.4,5.2b
NIED VI 22 02 41 56.0 45.02N 149.69E 30 5.4W,5.2b
BGR VI 22 02 41 56.5 45.63N 149.35E 33 5.9b,5.2b
NEIC VI 22 02 41 56.1–1.4 45.08N–.08 149.7E–.10 73–5 5.4b,5.2b
JMA VI 22 02 41 56.0–.65 45N–2.0 150E–4.0 30 6.2,5.3
GCMT VI 22 02 41 58.1–.10 45.06N–.01 149.88E–.01 70–1 5.3W,5.3
ISC Event type ke.
MOS Event type fe. Felt (III-IV) at Kuril'sk, Reydovo;(III) at Goryachiye Klyuchi, Gornyy; (II) at Yuzhno-Kuril'sk, Goryachiy Plyazh, Malokuril'skoe. Moment Tensor Solution.

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{17}Nm; M_{rr}0.02 $M_{\theta\theta}$0.63 $M_{\phi\phi}$-0.65 $M_{r\theta}$0.91 $M_{\theta\phi}$-0.08 $M_{\phi r}$0.46 NP1:ϕ_s54.00000°,δ90.00000°,λ122.00000°. NP2:ϕ_s144.00000° ,δ32.00000°,λ0.00000°. $M_0$1.19000×10^{17}
BGR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. SE OFF ETOROFU .
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s105,c172; s128,c239;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}0.09±.02 $M_{\theta\theta}$0.69±.02; $M_{\phi\phi}$-0.77±.02; $M_{r\theta}$0.91±.01; $M_{\theta\phi}$-0.22±.02; $M_{\phi r}$0.47±.01; Best double couple: NP1:ϕ_s54.00000°,δ87.00000°,λ127.00000°. NP2:ϕ_s148.00000°,δ37.00000°,λ5.00000°. Principal axes: T 1.3470,Plg37.0000° ,Azm356.0000°; N -0.1530,Plg37.0000°,Azm232.0000°; P -1.1950,Plg32.0000° ,Azm114.0000° $M_0$1.27100×10^{17}
ISC VI 22 22 36 23.0–.39 46.10N–.04 152.39E–.03 40–2 5.0b,4.3s 1310 3-153
BJI VI 22 22 36 17.9–.00 46.26N 152.69E 32 5.0b,4.9b **¶610693784**
NEIC VI 22 22 36 19.5–1.6 46.21N–.08 152.3E–.10 10–4 5.0b,4.9b
NIED VI 22 22 36 21.9 46.15N 152.43E 30 4.8W,4.9b
IDC VI 22 22 36 21.3–3.0 46.23N 152.17E 23–18 4.7,4.6b
JMA VI 22 22 36 21.9–1.1 46N–5.0 152E–7.0 30 5.2,5.0W
MOS VI 22 22 36 22.8–.98 46.18N 152.21E 50 5.2b,4.5s
SKHL VI 22 22 36 23.1–.40 46.00N 152.40E 65–5 5.9b,5.5
GCMT VI 22 22 36 25.5–.30 46.28N–.02 152.47E–.03 35–0 5.0W,5.5
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.49 $M_{\theta\theta}$1.69 $M_{\phi\phi}$-1.19 $M_{r\theta}$-0.42 $M_{\theta\phi}$-0.37 $M_{\phi r}$0.81 NP1:ϕ_s138.00000°,δ77.00000°,λ-34.00000°. NP2:ϕ_s236.00000° ,δ57.00000°,λ-165.00000°. $M_0$1.79000×10^{16}
JMA Event type ke. KURILE ISLANDS REGION .
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s60,c87; s90,c134;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.93±.17 $M_{\theta\theta}$-2.22±.12; $M_{\phi\phi}$-1.71±.11; $M_{r\theta}$0.57±.14; $M_{\theta\phi}$-2.38±.07; $M_{\phi r}$1.75±.11; Best double couple: NP1:ϕ_s36.00000°,δ57.00000°,λ75.00000°. NP2:ϕ_s241.00000°,δ36.00000°,λ111.00000°. Principal axes: T 4.4310,Plg74.0000° ,Azm266.0000°; N 0.2300,Plg12.0000°,Azm44.0000°; P -4.6610,Plg11.0000°,Azm136.0000° $M_0$4.54600×10^{16}
ISC VI 24 16 41 18.0–.61 48.73N–.08 153.70E–.08 150 3.9b 121 3-77
SKHL VI 24 16 41 18.4–.30 48.90N 153.40E 136–8 5.6,4.7b **¶610694547**
KRSC VI 24 16 41 19.0–2.0 48.60N 154.51E 175–26 4.1L,4.7b
MOS VI 24 16 41 18.4–1.1 48.82N 153.66E 167 4.3b,4.7b
NEIC VI 24 16 41 20.1–2.8 48.9N–.20 153.2E–.30 156–13 4.1b,4.7b
IDC VI 24 16 41 21.0–2.2 48.88N 153.64E 172–20 3.9,3.4b
ISC Event type se.
KRSC Event type se.
MOS Error ellipse: s-maj=12.0km s-min=5.3km az=62.2.
NEIC Event type se. Error ellipse: s-maj=33.9km s-min=11.6km az=136.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=17.0km s-min=12.9km az=122.0.
ISC VI 26 18 18 51.9–.63 48.34N–.07 154.56E–.07 100 3.8b 129 3-138
MOS VI 26 18 18 49.9–1.0 48.38N 154.38E 80 4.4b **¶610695515**
NEIC VI 26 18 18 49.2–2.2 48.3N–.10 154.4E–.20 62–8 4.5b
KRSC VI 26 18 18 50.3–1.4 48.19N 156.24E 30–24 4.4L
SKHL VI 26 18 18 51.2–.10 48.30N 154.60E 88–5 5.8,5.0b
IDC VI 26 18 18 52.9–2.2 48.50N 154.21E 90–19 3.9,3.4b
ISC Event type se.
MOS Error ellipse: s-maj=12.4km s-min=4.3km az=70.4.
NEIC Event type se. Error ellipse: s-maj=27.5km s-min=10.5km az=134.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
KRSC Event type se.
IDC Error ellipse: s-maj=20.3km s-min=12.9km az=122.0.
KRSC VI 27 00 39 07.1–1.6 50.08N 156.94E 96–25 3.8L
¶610697586
KRSC Event type se.
IDC VI 27 06 31 33.9–10 48.92N 151.20E 271–95 3.9,3.3b
¶610789551
IDC Error ellipse: s-maj=34.3km s-min=28.9km az=94.0.
ISC VI 27 14 58 34.5–3.8 44.73N–.09 148.7E–.20 160–16 27 1-7
SKHL VI 27 14 58 37.1–.20 44.80N 148.60E 121–8 5.1,4.4b **¶614865306**
JMA VI 27 14 58 38.4–.45 45N–2.0 148E–4.0 156 3.5,4.4b
ISC Event type ke.
JMA Event type ke. NEAR ETOROFU ISLAND .
ISC VI 27 16 55 49.8–3.2 44.2N–.10 148.2E–.20 12–12 24 1-4
JMA VI 27 16 55 52.0–.30 44N–1.0 148E–2.0 0 3.5 **¶614865464**
SKHL VI 27 16 55 53.1–.20 44.20N 148.10E 37–2 4.3b
ISC Event type ke.
JMA Event type ke. SE OFF ETOROFU .
ISC VI 28 12 07 31.5–.22 43.83N–.03 147.86E–.02 64–1 5.6b 1973 1-153
BJI VI 28 12 07 29.0–.00 43.87N 147.82E 49 5.4b,5.3b **¶614866677**
NEIC VI 28 12 07 30.1 43.66N 148.09E 50 5.4b,5.3b
NEIC VI 28 12 07 30.1 43.76N 147.95E 50 5.4b,5.3b
NEIC VI 28 12 07 30.9 43.76N 147.96E 49 5.4b,5.3b
MOS VI 28 12 07 31.7–.82 43.77N 147.84E 75 6.1b,5.0s
SKHL VI 28 12 07 32.0–.20 43.70N 148.00E 77–4 6.3b,5.1s
JMA VI 28 12 07 32.2–.25 43.6N–1.0 148E–1.0 31 5.7,5.5W
NIED VI 28 12 07 32.2 43.56N 147.83E 31 5.6W,5.5W
NEIC VI 28 12 07 32.0–1.5 43.80N–.07 147.9E–.10 61–1 5.5,5.5b
IDC VI 28 12 07 33.5–.38 43.83N 147.87E 77–3 5.6,5.3b
GCMT VI 28 12 07 34.0–.10 43.77N–.01 147.98E–.01 65–1 5.5W,5.3b
BGR VI 28 12 07 37.2 44.75N 147.09E 60–6 6.3,6.1b
ISC Event type ke.
NEIC Event type se. Moment Tensor Solution.Duration: 2s5 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.24 $M_{\theta\theta}$1.58 $M_{\phi\phi}$-0.34 $M_{r\theta}$0.99 $M_{\theta\phi}$0.09 $M_{\phi r}$0.97 NP1:ϕ_s240.22000°,δ68.78000° ,λ-115.28000°. NP2:ϕ_s112.75000°,δ32.55000°,λ-42.29000°. Principal axes: T 1.9642,Plg20.0000°,Azm349.0000°; N 0.0745,Plg23.0000°,Azm250.0000° ; P -2.0387,Plg58.0000°,Azm115.0000° $M_0$2.00000×10^{17}
NEIC Event type se.
NEIC Event type se.
MOS Event type fe. Error ellipse: s-maj=5.9km s-min=3.7km az=120.5. Felt (III) at Malokuril'skoe, Yuzhno-Kuril'sk, Goryachiy Plyazh, Mendeleyevo, Lagunnoye, Kuril'sk. Moment Tensor Solution.
JMA Event type fe. E OFF HOKKAIDO .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.86 $M_{\theta\theta}$1.67 $M_{\phi\phi}$-0.81 $M_{r\theta}$1.81 $M_{\theta\phi}$-0.36 $M_{\phi r}$0.83 NP1:ϕ_s248.00000°,δ78.00000°,λ-117.00000°. NP2:ϕ_s135.00000° ,δ29.00000°,λ-26.00000°. $M_0$2.48000×10^{17}
NEIC Event type se. Error ellipse: s-maj=12.5km s-min=10.9km az=294.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.60 $M_{\theta\theta}$0.72 $M_{\phi\phi}$-0.12 $M_{r\theta}$1.46 $M_{\theta\phi}$-0.38 $M_{\phi r}$0.99 NP1:ϕ_s133.01000°,δ19.77000°,λ-22.37000°. NP2:ϕ_s244.18000° ,δ82.60000°,λ-108.39000°. Principal axes: T 1.7001,Plg35.0000°,Azm350.0000° ; N 0.3969,Plg18.0000°,Azm247.0000°; P -2.0970,Plg49.0000°,Azm134.0000° $M_0$1.93000×10^{17}
IDC Error ellipse: s-maj=7.3km s-min=6.8km az=66.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s124,c215; s148,c304;Duration: 1s4 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.50±.03 $M_{\theta\theta}$1.78±.03; $M_{\phi\phi}$-1.27±.03; $M_{r\theta}$1.52±.03; $M_{\theta\phi}$-0.44±.03; $M_{\phi r}$1.27±.03; Best double couple: NP1:ϕ_s237.00000°,δ83.00000°,λ-128.00000°. NP2:ϕ_s138.00000°,δ39.00000°,λ-12.00000°. Principal axes: T 2.5490,Plg28.0000° ,Azm357.0000°; N 0.0590,Plg38.0000°,Azm243.0000°; P -2.6010,Plg40.0000° ,Azm112.0000° $M_0$2.57500×10^{17}
BGR Event type ke.
ISC VI 28 15 21 20.5–1.9 43.23N–.08 146.65E–.07 42–30 31 1-5
SKHL VI 28 15 21 21.2–.30 43.30N 146.60E 48–4 4.7b **¶614866963**
JMA VI 28 15 21 21.1–.19 43.3N–.60 147E–1.0 55–1 3.6
ISC Event type ke.
JMA Event type ke. OFF NEMURO PENINSULA .
ISC VI 30 05 34 49.5–.89 45.6N–.10 151.56E–.10 35 3.6b,3.5s 35 3-140
IDC VI 30 05 34 44.7–.96 45.84N 151.48E 0 3.7L,3.6 **¶610789761**
JMA VI 30 05 34 50.1–.89 46N–5.0 151E–7.0 30 4.3,3.6
SKHL VI 30 05 34 52.2–.10 45.30N 151.40E 39–3 4.9b,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=28.9km s-min=23.1km az=125.0.
JMA Event type ke. KURILE ISLANDS REGION .
ISC VI 30 15 29 01.1–.54 48.29N–.07 152.50E–.06 200 4.0b 160 3-77
NEIC VI 30 15 28 58.9–2.0 48.3N–.10 152.3E–.20 171–9 4.1b **¶610728754**
MOS VI 30 15 28 58.1–1.3 48.26N 152.48E 181 3.9b
SKHL VI 30 15 28 58.3–.10 48.30N 152.50E 168–6 5.4,4.6b
IDC VI 30 15 29 00.8–.86 48.37N 152.35E 183–7 4.0,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=24.0km s-min=3.5km az=131.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=9.8km s-min=6.1km az=73.1.
IDC Error ellipse: s-maj=13.2km s-min=9.1km az=147.0.

(222) East of Kuril Islands.

ISC I 01 22 14 44.6–.82 44.95N–.09 151.09E–.07 35 3.9b 47 2-80
SKHL I 01 22 14 44.7–.20 45.00N 151.10E 54–2 4.9b **¶610236424**
MOS I 01 22 14 44.0–1.5 45.07N 151.04E 49 4.3b
JMA I 01 22 14 45.3–.69 46N–5.0 151E–6.0 30 4.2
IDC I 01 22 14 49.4–3.9 45.47N 150.73E 66–32 3.8,3.5b
ISC Event type ke.
MOS Error ellipse: s-maj=16.2km s-min=12.7km az=160.0.
JMA Event type ke. KURILE ISLANDS REGION .
IDC Error ellipse: s-maj=54.9km s-min=22.0km az=165.0.
JMA I 08 01 53 09.2–.63 45N–3.0 150E–4.0 30 4.1
¶614099985
JMA Event type ke. SE OFF ETOROFU .
KRSC I 10 14 08 14.5–1.3 50.55N 159.97E 51–34 3.8L
¶610056668
KRSC Event type se.
ISC I 14 16 14 12.4–1.2 45.6N–.10 152.7E–.10 55 3.6b 46 3-139
JMA I 14 16 14 11.8–.77 46N–5.0 152E–7.0 30 4.5 **¶610237364**
SKHL I 14 16 14 15.6–.70 45.80N 152.20E 92–8 5.6,5.0b
MOS I 14 16 14 15.9–2.0 46.46N 151.98E 63 4.4b,5.0b
IDC I 14 16 14 20.4–3.3 46.68N 151.79E 74–27 3.6,3.3b
ISC Event type ke.
JMA Event type ke. KURILE ISLANDS REGION .
MOS Error ellipse: s-maj=22.9km s-min=11.3km az=137.4.
IDC Error ellipse: s-maj=64.4km s-min=20.6km az=141.0.
ISC I 20 00 20 39.1–.86 43.90N–.06 148.38E–.06 51–7 4.2b 152 1-142
NEIC I 20 00 20 38.7–2.6 43.86N–.09 148.5E–.10 35–2 4.3b **¶610102440**
MOS I 20 00 20 38.3–1.3 43.90N 148.40E 65 4.1b
IDC I 20 00 20 40.6–2.3 43.92N 148.33E 65–21 3.9,3.6b
JMA I 20 00 20 40.2–.27 44N–1.0 148E–1.0 5 4.8,3.6b
SKHL I 20 00 20 40.6–.60 43.90N 148.30E 87–2 6.1,5.1b
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=17.0km s-min=12.7km az=131.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=9.3km s-min=7.0km az=80.4.
IDC Error ellipse: s-maj=18.4km s-min=13.3km az=158.0.
JMA Event type ke. SE OFF ETOROFU .
KRSC I 20 21 18 06.0–1.0 48.76N 156.20E 17–17 3.6L
¶615296420
KRSC Event type se.
SKHL I 24 20 15 59.5–.40 44.90N 151.10E 37–5 4.4b
JMA I 24 20 15 57.3–.85 46N–6.0 151E–7.0 30 3.9 **¶614115743**
JMA Event type ke. KURILE ISLANDS REGION .
ISC II 02 22 20 49.2–4.7 44.6N–.70 151.1E–.30 61 3.6b 8 28-65
IDC II 02 22 20 40.7–5.5 44.48N 151.14E 0 3.7,3.7b **¶610414700**
ISC Event type ke.
IDC Error ellipse: s-maj=124.5km s-min=33.5km az=162.0.
ISC II 09 17 58 27.6–4.4 44.9N–.10 150.1E–.20 51 25 2-8
SKHL II 09 17 58 27.4–.50 45.10N 150.10E 53–6 4.1b **¶614130053**
JMA II 09 17 58 27.7–.70 45N–4.0 150E–6.0 30 3.8
ISC Event type ke.
JMA Event type ke. KURILE ISLANDS REGION .
ISC II 09 19 15 41.6–1.7 46.0N–.20 153.1E–.20 31 3.8b 17 4-83
SKHL II 09 19 15 39.8–.30 45.50N 153.50E 43–2 4.1b **¶610415195**
IDC II 09 19 15 47.8–3.8 46.68N 152.42E 46–28 3.7,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=72.4km s-min=23.0km az=143.0.
ISC II 10 08 44 43.4–.79 45.8N–.10 152.86E–.09 35 4.0b 42 4-148
JMA II 10 08 44 45.0–.92 46N–7.0 153E–8.0 30 4.3 **¶610415226**
SKHL II 10 08 44 46.3–.20 45.20N 152.90E 45–5 4.7b
IDC II 10 08 44 46.2–3.4 46.02N 152.73E 51–29 3.8,3.6b
ISC Event type ke.
JMA Event type ke. KURILE ISLANDS REGION .
IDC Error ellipse: s-maj=25.7km s-min=17.2km az=167.0.
ISC II 13 10 10 11.1–1.1 45.7N–.10 152.83E–.10 50 3.8b,3.3s 56 4-139
MOS II 13 10 10 11.0–1.4 46.00N 152.67E 44 4.1b,3.3s **¶610243802**
JMA II 13 10 10 11.8–.67 46N–4.0 152E–5.0 30 4.6,3.3s
SKHL II 13 10 10 12.0–.60 45.90N 152.70E 57–4 4.9b,3.3s
IDC II 13 10 10 15.8–3.7 46.34N 152.43E 58–29 4.0L,3.8
ISC Event type ke.
MOS Error ellipse: s-maj=14.5km s-min=11.3km az=136.7.
JMA Event type ke. KURILE ISLANDS REGION .
IDC Error ellipse: s-maj=53.8km s-min=24.5km az=151.0.
ISC II 15 13 00 37.8–4.4 45.2N–.20 152.5E–.20 55 25 3-9
JMA II 15 13 00 33.6–.90 46N–7.0 152E–9.0 30 4.2 **¶614134733**
SKHL II 15 13 00 35.3–.20 45.40N 152.60E 39–4 4.6b
ISC Event type ke.
JMA Event type ke. KURILE ISLANDS REGION .
SKHL II 15 15 36 57.2–.80 45.10N 153.80E 35–5 4.2b
JMA II 15 15 36 54.5–.67 46N–6.0 154E–7.0 30 3.8 **¶614134845**
JMA Event type ke. KURILE ISLANDS REGION .
KRSC II 19 03 33 32.7–1.7 49.62N 158.59E 48–25 3.8L
¶610231637
KRSC Event type se.
ISC II 20 07 07 25.8–1.0 48.67N–.09 156.1E–.10 100 3.6b 58 2-137
KRSC II 20 07 07 23.6–1.7 48.69N 156.69E 48–24 4.5L **¶610239062**
MOS II 20 07 07 24.8–1.4 49.21N 154.54E 132 4.1b
IDC II 20 07 07 28.4–3.2 49.24N 154.42E 144–29 3.8,3.4b
ISC Event type se.
KRSC Event type se.
MOS Error ellipse: s-maj=27.8km s-min=5.7km az=69.1.
IDC Error ellipse: s-maj=22.8km s-min=17.8km az=138.0.
ISC II 20 18 28 07.3–.61 44.38N–.07 150.75E–.06 35 4.2b,2.9s 130 2-79
IDC II 20 18 28 02.9–.82 44.48N 150.60E 0 3.9,3.9b **¶610243822**
JMA II 20 18 28 05.4–.61 45N–3.0 151E–4.0 30 4.4,3.9b
SKHL II 20 18 28 05.2–.30 44.30N 150.90E 51–5 4.8b,3.9b
MOS II 20 18 28 05.8–1.1 44.50N 150.71E 36 4.4b,3.9b
NEIC II 20 18 28 06.6–1.1 44.7N–.10 150.8E–.20 22–4 4.3b,3.9b
ISC Event type ke.
JMA Event type ke. KURILE ISLANDS REGION .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 23 15 45 37.9–1.9 44.3N–.10 150.6E–.10 35 3.3b 36 2-73
MOS II 23 15 45 38.0–1.2 44.50N 150.47E 44 4.0b **¶610384883**
JMA II 23 15 45 38.6–.62 45N–4.0 150E–4.0 30 3.9
SKHL II 23 15 45 38.7–.30 44.40N 150.50E 45–4 4.3b
IDC II 23 15 45 43.3–1.9 45.87N 149.65E 0 3.5,3.5b
ISC Event type ke.
MOS Error ellipse: s-maj=42.0km s-min=17.5km az=4.1.
JMA Event type ke. KURILE ISLANDS REGION .
IDC Error ellipse: s-maj=42.5km s-min=33.9km az=63.0.
ISC III 07 22 41 31.8–3.1 43.7N–.10 148.0E–.10 34–4 20 1-4
SKHL III 07 22 41 33.3–.20 43.70N 148.00E 53–2 4.5b **¶614152012**

JMA III 07 22 41 33.2–.33 44N–1.0 148E–2.0 21 3.5
ISC Event type ke.
JMA Event type ke. E OFF HOKKAIDO .
ISC III 19 06 14 58.9–.90 49.90N–.06 159.48E–.05 49–7 4.4b 210 2-79
IDC III 19 06 14 52.9–.61 49.98N 159.48E 0 4.1L,4.0 **¶610345990**
KRSC III 19 06 14 55.9–2.2 49.91N 159.50E 59–36 5.2L,4.0
NEIC III 19 06 14 55.1–1.7 49.86N–.08 159.39E–.06 10–1 4.5b,4.0
MOS III 19 06 14 56.9–.84 49.85N 159.53E 50 4.6b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=14.3km s-min=12.6km az=147.0.
KRSC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.9km s-min=7.0km az=182.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Event type fe. Error ellipse: s-maj=8.8km s-min=3.3km az=92.4. Felt (II) at Severo-Kuril'sk. Moment Tensor Solution.
ISC III 23 08 20 15.0–2.8 43.85N–.06 148.60E–.05 11–17 3.7b 64 1-142
IDC III 23 08 20 13.7–.80 43.92N 148.56E 0 3.6,3.6b **¶610471009**
SKHL III 23 08 20 14.8–.20 43.80N 148.80E 35–5 5.0b,3.6b
JMA III 23 08 20 15.7–.76 44N–3.0 149E–4.0 30 4.2,3.6b
NIED III 23 08 20 15.7 44.37N 148.55E 30 3.7W,3.6b
MOS III 23 08 20 16.4–1.5 43.84N 148.61E 34 4.5b,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=22.8km s-min=16.1km az=155.0.
JMA Event type ke. SE OFF ETOROFU .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}3.36 $M_{\theta\theta}$1.54 $M_{\phi\phi}$-4.91 $M_{r\theta}$-1.48 $M_{\theta\phi}$-1.15 $M_{\phi r}$0.33 NP1:ϕ_s343.00000°,δ53.00000°,λ50.00000°. NP2:ϕ_s217.00000°,δ52.00000°,λ131.00000°. $M_0$4.69000×10^{14}
MOS Error ellipse: s-maj=11.5km s-min=10.5km az=42.6.
KRSC III 29 05 51 16.5–1.7 48.60N 156.38E 30–25 3.8L
¶610453821
KRSC Event type se.
KRSC III 31 02 45 27.7–1.8 48.75N 157.28E 15–42 3.7L
¶610468890
KRSC Event type se.
KRSC IV 02 16 27 55.6–2.5 48.16N 156.75E 23–49 3.7L
¶615296932
KRSC Event type se.
KRSC IV 03 09 33 50.4–1.9 50.88N 158.34E 50–27 3.8L
¶610476800
KRSC Event type se.
SKHL IV 04 10 54 50.4–.60 44.40N 152.70E 62–7 4.4b
JMA IV 04 10 54 48.2–.79 45N–6.0 153E–6.0 30 3.8 **¶614788066**
JMA Event type ke. KURILE ISLANDS REGION .
KRSC IV 05 04 22 38.7–1.9 49.09N 157.08E 31–28 4.2L
¶610513876
KRSC Event type se.
ISC IV 05 12 11 32.8–.41 48.84N–.05 156.10E–.04 35–1 4.8b,4.1s 427 2-149
BJI IV 05 12 11 27.3–.00 49.07N 156.24E 15 4.9b,4.7b **¶610502370**
IDC IV 05 12 11 28.1–.50 48.97N 156.05E 0 5.0L,4.3
KRSC IV 05 12 11 30.7–1.8 48.87N 157.07E 30–27 4.9L,4.3
SKHL IV 05 12 11 30.4–.40 48.70N 156.40E 32–5 5.3,5.1s
MOS IV 05 12 11 30.8–1.2 48.81N 156.20E 32 5.0b,3.9s
NEIC IV 05 12 11 33.4–.98 48.88N–.06 156.1E–.10 36–7 4.8b,3.9s
ISC Event type se.
KRSC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
KRSC IV 05 21 34 39.2–1.7 48.81N 157.80E 14–36 4.0L
¶610513905
KRSC Event type se.
ISC IV 06 11 02 39.4–.79 45.8N–.10 153.90E–.08 35 3.7b,3.3s 42 4-148
IDC IV 06 11 02 34.9–.72 46.05N 154.07E 0 3.7,3.7b **¶610652073**
JMA IV 06 11 02 38.7–.69 47N–6.0 153E–7.0 30 4.3,3.7b
MOS IV 06 11 02 38.4–.79 46.06N 153.94E 36 4.3b,3.7b
SKHL IV 06 11 02 39.2–.10 45.80N 154.00E 46–4 4.7b,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=21.9km s-min=17.8km az=147.0.
JMA Event type ke. KURILE ISLANDS REGION .
MOS Error ellipse: s-maj=23.2km s-min=16.9km az=158.4.
ISC IV 07 08 23 05.0–1.1 45.32N–.05 152.13E–.04 24–7 4.7b,3.5s 488 3-151
BJI IV 07 08 23 02.6–.00 45.40N 152.30E 26 4.8b,4.7b **¶610518300**
IDC IV 07 08 23 02.4–.60 45.59N 151.94E 0 4.5L,4.4
NEIC IV 07 08 23 03.5–3.0 45.33N–.09 152.2E–.10 10–1 4.7b,4.4
JMA IV 07 08 23 05.4–.97 46N–4.0 152E–6.0 30 5.4,4.4
MOS IV 07 08 23 06.4–1.3 45.46N 151.98E 41 4.9b,4.4
SKHL IV 07 08 23 06.4–.10 45.30N 152.10E 50–7 5.4b,4.4
ISC Event type ke.
IDC Error ellipse: s-maj=16.4km s-min=11.1km az=159.0.
NEIC Event type se. Error ellipse: s-maj=16.7km s-min=12.0km az=133.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. KURILE ISLANDS REGION .
MOS Error ellipse: s-maj=6.9km s-min=5.2km az=91.4.
ISC IV 07 11 10 49.7–1.1 44.7N–.10 151.78E–.08 37 3.2b 43 3-53
IDC IV 07 11 10 46.0–3.2 44.79N 151.74E 0 3.5L,3.4 **¶610652148**
JMA IV 07 11 10 49.8–.97 45N–4.0 152E–6.0 30 4.4,3.4
MOS IV 07 11 10 50.2–1.7 44.94N 151.60E 45 4.0b,3.4
SKHL IV 07 11 10 50.3–.40 44.80N 151.70E 45–5 4.6b,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=87.6km s-min=21.5km az=155.0.
JMA Event type ke. KURILE ISLANDS REGION .
MOS Error ellipse: s-maj=21.1km s-min=12.2km az=154.8.
ISC IV 11 06 06 03.6–.88 43.85N–.06 148.38E–.06 68–5 3.9b 94 1-142
JMA IV 11 06 06 03.3–.27 44N–1.0 148E–1.0 0 4.3 **¶610526218**
MOS IV 11 06 06 03.6–1.1 44.07N 148.31E 70 4.2b
SKHL IV 11 06 06 04.5–.30 43.90N 148.30E 83–5 5.8,5.0b
IDC IV 11 06 06 07.5–4.5 44.19N 148.33E 82–22 3.8,3.5b
ISC Event type ke.
JMA Event type ke. E OFF HOKKAIDO .
MOS Error ellipse: s-maj=10.8km s-min=9.7km az=114.4.
IDC Error ellipse: s-maj=78.8km s-min=14.9km az=163.0.
KRSC IV 12 21 32 30.6–.46 50.41N 158.03E 40–8 4.0L
¶610527267
KRSC Event type se.
KRSC IV 14 16 56 33.3–1.8 48.44N 157.80E 17–46 3.7L
¶610528515
KRSC Event type se.
KRSC IV 14 17 06 37.4–1.6 48.27N 157.71E 31–54 3.9L
¶610528514
KRSC Event type se.
ISC IV 16 22 19 30.1–.62 43.11N–.07 148.77E–.06 35 4.0b,3.4s 82 2-151
IDC IV 16 22 19 24.5–.75 43.04N 148.92E 0 3.8b,3.7 **¶610598380**
JMA IV 16 22 19 27.7–.36 43N–1.0 148E–2.0 0 3.8,3.7
MOS IV 16 22 19 28.6–1.0 43.14N 148.78E 40 4.4b,3.7
NEIC IV 16 22 19 28.8–1.1 43.0N–.10 148.8E–.10 21–7 4.2b,3.7
SKHL IV 16 22 19 30.4–.40 43.20N 148.70E 46–4 4.6b,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=19.0km s-min=18.6km az=57.0.
JMA Event type ke. SE OFF ETOROFU .
MOS Error ellipse: s-maj=12.3km s-min=9.3km az=127.4.
NEIC Event type se. Error ellipse: s-maj=20.2km s-min=15.1km az=167.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 17 03 59 02.9–2.1 45.8N–.20 152.9E–.20 100 3.4b 17 4-139
SKHL IV 17 03 59 05.7–.60 45.40N 152.80E 42–3 4.3b **¶610598390**
IDC IV 17 03 59 14.8–3.0 47.74N 150.93E 78–28 3.7,3.4b
ISC Event type ke.
IDC Error ellipse: s-maj=48.3km s-min=23.7km az=147.0.
KRSC IV 18 08 43 34.1–1.6 49.89N 157.08E 61–28 3.7L
¶610532777
KRSC Event type se.
ISC IV 18 18 50 01.2–3.1 43.1N–.10 148.8E–.20 35 22 2-6
SKHL IV 18 18 50 01.9–.20 43.10N 148.70E 34–3 4.3b **¶614798892**
JMA IV 18 18 50 01.1–.38 43N–2.0 148E–2.0 0 3.8
ISC Event type ke.
JMA Event type ke. SE OFF ETOROFU .
KRSC IV 20 08 53 03.0–2.5 49.31N 157.11E 6–38 4.0L
¶610546746
KRSC Event type se.
ISC IV 20 09 10 54.4–1.9 48.9N–.10 156.2E–.10 35 37 2-48
IDC IV 20 09 10 48.5–3.4 48.66N 156.28E 0 3.2,3.2b **¶610546747**
MOS IV 20 09 10 51.5–1.0 48.74N 156.27E 40 3.6b,3.2b
KRSC IV 20 09 10 54.3–2.4 49.02N 156.63E 53–32 4.0L,3.2b
ISC Event type se.
IDC Error ellipse: s-maj=69.2km s-min=39.5km az=142.0.
MOS Error ellipse: s-maj=46.9km s-min=5.9km az=80.0.
KRSC Event type se.
ISC IV 20 15 40 14.2–3.5 43.65N–.10 149.3E–.20 35 26 2-7
SKHL IV 20 15 40 17.3–.60 43.70N 149.10E 50–5 4.2b **¶614800301**
JMA IV 20 15 40 17.0–.59 44N–3.0 149E–4.0 30 3.6
ISC Event type ke.
JMA Event type ke. SE OFF ETOROFU .
KRSC IV 28 16 23 40.1–1.3 49.92N 157.02E 20–19 4.4L
¶610589252
KRSC Event type se.
ISC V 01 03 11 40.0–2.0 49.9N–.10 159.14E–.06 66–17 3.7b 96 2-77
KRSC V 01 03 11 38.8–2.1 50.04N 159.26E 60–37 4.7L **¶610589582**
MOS V 01 03 11 40.9–.68 50.04N 159.00E 75 4.6b
IDC V 01 03 11 48.0–1.8 52.20N 161.43E 0 3.7,3.7b
ISC Event type se.
KRSC Event type se.
MOS Error ellipse: s-maj=20.9km s-min=4.0km az=91.7.
IDC Error ellipse: s-maj=50.2km s-min=24.2km az=172.0.
KRSC V 03 20 52 36.3–1.2 48.67N 156.34E 24–20 3.9L
¶610594164
KRSC Event type se.
KRSC V 05 16 07 28.4–1.1 48.72N 156.17E 64–22 3.6L
¶610617713
KRSC Event type se.
SKHL V 09 14 36 27.4–.30 45.60N 153.60E 49–4 4.1b
¶615092630
ISC V 11 00 31 02.2–1.2 43.93N–.10 149.66E–.09 38 3.8b 26 2-70
IDC V 11 00 30 59.9–6.8 44.46N 149.56E 0 3.7,3.7b **¶610667659**
JMA V 11 00 31 02.2–.90 44N–3.0 150E–5.0 30 3.9,3.7b
SKHL V 11 00 31 02.5–.10 44.00N 149.60E 49–3 4.3b,3.7b
ISC Event type se.
IDC Error ellipse: s-maj=174.4km s-min=26.1km az=164.0.
JMA Event type ke. SE OFF ETOROFU .
ISC V 13 02 24 40.4–1.0 43.97N–.07 149.62E–.08 38 4.4b,3.7s 60 2-87
SKHL V 13 02 24 40.9–.40 44.10N 149.60E 47–2 4.9b,3.7s **¶610667674**
JMA V 13 02 24 40.0–.67 44N–3.0 150E–4.0 30 4.3,3.7s
NIED V 13 02 24 40.0 44.41N 149.54E 30 4.0W,3.7s
MOS V 13 02 24 42.3–1.5 44.03N 149.39E 51 5.6b,3.7s
IDC V 13 02 24 48.0–1.0 45.86N 148.55E 0 3.8,3.8b
ISC Event type ke.
JMA Event type ke. SE OFF ETOROFU .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}1.34 $M_{\theta\theta}$-0.65 $M_{\phi\phi}$-0.69 $M_{r\theta}$-0.06 $M_{\theta\phi}$-0.44 $M_{\phi r}$0.50 NP1:ϕ_s30.00000°,δ54.00000°,λ75.00000°. NP2:ϕ_s234.00000°,δ39.00000°,λ110.00000°. $M_0$1.31000×10^{15}
MOS Error ellipse: s-maj=17.7km s-min=10.5km az=17.1.
IDC Error ellipse: s-maj=27.1km s-min=21.3km az=134.0.
ISC V 19 04 55 45.7–.81 49.81N–.06 157.51E–.06 31–4 3.7b 69 1-73
KRSC V 19 04 55 43.8–1.7 49.91N 157.80E 20–39 4.3L **¶610645881**
MOS V 19 04 55 43.0–.53 49.69N 157.65E 24 4.0b
IDC V 19 04 55 46.9–.88 49.90N 157.33E 38–8 3.6,3.4b
ISC Event type se.
KRSC Event type se.
MOS Error ellipse: s-maj=22.1km s-min=4.6km az=84.6.
IDC Error ellipse: s-maj=26.5km s-min=17.2km az=137.0.
ISC V 19 14 00 47.9–.61 49.83N–.06 157.44E–.06 50 4.0b,3.3s 122 1-78
KRSC V 19 14 00 43.2–2.4 49.80N 157.79E 18–37 4.5L,3.3s **¶610645593**
MOS V 19 14 00 43.3–.80 49.69N 157.60E 21 4.3b,3.3s
IDC V 19 14 00 52.1–1.9 49.98N 157.24E 81–17 3.9,3.6b
NEIC V 19 14 00 53.6–2.0 50.4N–.10 155.7E–.30 37–15 4.2b,3.6b
ISC Event type se.
KRSC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
KRSC V 19 14 26 53.0–2.0 49.78N 157.71E 18–50 3.9L
¶610645882
KRSC Event type se.
ISC V 19 21 41 20.5–.87 44.06N–.10 150.05E–.08 35 4.2b,3.3s 55 2-73
MOS V 19 21 41 14.9–.81 44.06N 150.30E 15 4.6b,3.3s **¶610667699**
NEIC V 19 21 41 16.3–1.2 44.0N–.20 150.5E–.20 10–2 4.5b,3.3s
SKHL V 19 21 41 20.8–.40 44.20N 149.90E 30–5 4.6b,3.3s
NIED V 19 21 41 21.8 44.53N 149.75E 30 3.9W,3.3s
JMA V 19 21 41 21.8–.73 45N–4.0 150E–4.0 30 4.2,3.3s
IDC V 19 21 41 28.5–3.7 45.92N 148.88E 0 3.8,3.7b
ISC Event type ke.
MOS Error ellipse: s-maj=25.6km s-min=11.8km az=4.8.
NEIC Event type se. Error ellipse: s-maj=27.1km s-min=19.1km az=161.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}2.53 $M_{\theta\theta}$3.09 $M_{\phi\phi}$-5.62 $M_{r\theta}$4.67 $M_{\theta\phi}$-2.04 $M_{\phi r}$0.99 NP1:ϕ_s51.00000°,δ73.00000°,λ136.00000°. NP2:ϕ_s157.00000°,δ49.00000°,λ23.00000°. $M_0$7.07000×10^{14}
JMA Event type ke. SE OFF ETOROFU .
IDC Error ellipse: s-maj=93.1km s-min=23.4km az=157.0.
IDC V 22 05 44 00.3–1.6 46.91N 156.25E 0 3.4,3.2b
¶610685130
IDC Error ellipse: s-maj=44.1km s-min=25.5km az=124.0.
KRSC V 25 05 46 20.3–1.3 48.84N 156.79E 48–33 3.9L
¶610654697
KRSC Event type se.
KRSC V 25 19 23 27.9–2.1 49.53N 157.14E 48–34 4.1L
¶610654699
KRSC Event type se.
KRSC V 26 00 36 28.1–2.2 49.60N 157.21E 16–37 3.7L
¶610654906
KRSC Event type se.
KRSC V 28 11 35 41.9–2.0 48.65N 157.97E 16–35 4.1L
¶610655486
KRSC Event type se.
KRSC V 28 22 15 40.2–2.8 49.90N 157.21E 40–28 4.4L
¶610655487
KRSC Event type se.
ISC VI 01 09 26 14.5–.79 47.75N–.08 156.15E–.10 35 3.8b 57 3-75
IDC VI 01 09 26 09.0–.86 47.67N 155.92E 0 3.7,3.7b **¶610657920**
SKHL VI 01 09 26 11.0–.20 47.60N 156.50E 48–5 4.6b,3.7b
MOS VI 01 09 26 11.0–.67 47.71N 156.37E 35 4.1b,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=24.5km s-min=20.0km az=149.0.
MOS Error ellipse: s-maj=19.8km s-min=4.9km az=83.5.
KRSC VI 05 08 03 10.1–1.5 48.07N 156.30E 18–26 3.9L
¶610664146
KRSC Event type se.
KRSC VI 05 12 00 12.5–1.7 48.90N 157.60E 26–41 3.7L
¶610664149
KRSC Event type se.
ISC VI 07 01 48 24.5–1.9 49.0N–.10 156.2E–.20 35 3.5b 21 2-75
IDC VI 07 01 48 28.0–12 49.62N 154.61E 101–70 3.4,3.1b **¶610667874**

KRSC VI 07 01 48 30.6–1.4 49.37N 156.76E 45–24 3.8L,3.1b
ISC Event type se.
IDC Error ellipse: s-maj=137.0km s-min=44.2km az=13.0.
KRSC Event type se.
KRSC VI 08 20 34 28.5–1.9 48.91N 157.00E 7–31 3.8L ¶610668158
KRSC Event type se.
ISC VI 09 12 51 51.2–.89 43.72N–.05 148.16E–.06 68–6 4.3b 135 1-84
NIED VI 09 12 51 49.5 43.56N 147.91E 7 3.7W **¶610669001**
JMA VI 09 12 51 49.5–.22 43.6N–.90 148E–1.0 7 4.2
MOS VI 09 12 51 50.1–1.5 43.89N 148.04E 71 4.4b
SKHL VI 09 12 51 50.4–.20 43.70N 148.10E 76–4 4.9b
NEIC VI 09 12 51 52.4–1.5 44.0N–.10 147.88E–.05 55–9 4.3b
IDC VI 09 12 51 56.8–4.0 44.63N 147.62E 65–26 4.1,3.9b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}0.36 $M_{\theta\theta}$1.57 $M_{\phi\phi}$-1.92 $M_{r\theta}$3.58 $M_{\theta\phi}$-0.46 $M_{\phi r}$1.88 NP1:ϕ_s57.00000°,δ89.00000°,λ114.00000°. NP2:ϕ_s150.00000°,δ24.00000°,λ4.00000°. $M_0$4.41000×10^{14}
JMA Event type ke. E OFF HOKKAIDO .
MOS Error ellipse: s-maj=10.5km s-min=9.0km az=103.7.
NEIC Event type se. Error ellipse: s-maj=15.4km s-min=4.1km az=169.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=72.9km s-min=19.6km az=157.0.
ISC VI 10 12 36 07.0–.66 50.94N–.06 158.36E–.05 36–2 3.8b 115 1-135
KRSC VI 10 12 36 05.7–1.3 50.97N 158.41E 49–20 4.9L,3.2 **¶610669513**
MOS VI 10 12 36 07.4–.69 50.96N 158.36E 46 4.0b,3.2
IDC VI 10 12 36 14.2–2.4 51.36N 157.99E 89–20 3.7,3.4b
ISC Event type se.
KRSC Event type se.
MOS Error ellipse: s-maj=14.4km s-min=3.8km az=85.7.
IDC Error ellipse: s-maj=21.2km s-min=12.4km az=149.0.
KRSC VI 14 22 01 30.4–.85 48.37N 156.58E 39–21 3.8L ¶610675172
KRSC Event type se.
KRSC VI 17 17 49 17.1–2.4 49.56N 157.35E 49–41 4.4L ¶610681484
KRSC Event type se.
KRSC VI 19 09 35 50.9–.60 48.10N 156.44E 18–11 3.7L ¶610685828
KRSC Event type se.
ISC VI 21 20 56 41.0–1.1 48.95N–.10 156.6E–.10 34 3.6b 36 2-74
KRSC VI 21 20 56 38.5–1.8 49.05N 157.13E 15–38 4.1L **¶610693458**
IDC VI 21 20 56 43.1–3.8 49.07N 156.36E 48–33 3.5,3.3b
ISC Event type se.
KRSC Event type se.
IDC Error ellipse: s-maj=54.1km s-min=23.0km az=151.0.
KRSC VI 25 00 52 41.6–1.4 48.41N 156.09E 16–20 3.7L ¶610694816
KRSC Event type se.
ISC VI 27 01 43 47.6–.50 48.67N–.06 157.61E–.05 35 4.5b,2.8s 214 2-79
IDC VI 27 01 43 42.8–.67 48.63N 157.51E 0 4.2,4.2b **¶610695209**
MOS VI 27 01 43 46.1–.85 48.63N 157.61E 37 4.7b,4.2b
SKHL VI 27 01 43 48.5–.30 48.60N 157.40E 58–4 5.7b,4.2b
NEIC VI 27 01 43 48.2–1.4 48.7N–.10 157.6E–.10 33–6 4.6b,4.2b
KRSC VI 27 01 43 48.8–2.0 48.97N 158.17E 40–26 5.0L,4.2b
ISC Event type se.
IDC Error ellipse: s-maj=16.7km s-min=12.2km az=157.0.
MOS Error ellipse: s-maj=9.5km s-min=3.3km az=85.1.
NEIC Event type se. Error ellipse: s-maj=16.2km s-min=11.6km az=158.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
KRSC Event type se.
ISC VI 30 07 44 23.7–3.3 43.9N–.10 148.6E–.20 26–20 24 1-6
JMA VI 30 07 44 25.7–.38 44N–1.0 148E–2.0 0 3.8 **¶614869074**
SKHL VI 30 07 44 26.1–.10 44.00N 148.50E 51–4 4.3b
ISC Event type ke.
JMA Event type ke. SE OFF ETOROFU .

(223) Eastern Sea of Japan.

ISC I 07 13 34 52.0–1.0 42.4N–.10 137.5E–.10 250 3.2b 15 2-47
JMA I 07 13 34 51.5–.35 42.4N–1.0 138E–3.0 275 3.4 **¶610236903**
IDC I 07 13 34 57.4–7.4 41.65N 137.70E 368–182 3.4,2.7b
ISC Event type ke.
JMA Event type ke. EASTERN SEA OF JAPAN .
IDC Error ellipse: s-maj=196.0km s-min=23.4km az=174.0.
ISC I 11 05 25 36.0–.69 43.83N–.07 139.89E–.07 200 3.5b 29 1-74
JMA I 11 05 25 35.8–.45 44N–2.0 140E–3.0 214–4 3.1 **¶610237128**
IDC I 11 05 25 36.3–.99 43.82N 139.95E 209–10 3.8,3.3b
ISC Event type ke.
JMA Event type ke. NW OFF SHAKOTAN PEN .
IDC Error ellipse: s-maj=23.5km s-min=12.4km az=163.0.
ISC I 25 05 33 34.4–.56 43.77N–.06 138.22E–.06 250 3.5b 40 2-75
IDC I 25 05 33 35.5–.97 43.86N 138.16E 258–10 3.8,3.2b **¶610235298**
JMA I 25 05 33 35.2–.45 44N–2.0 138E–4.0 272 3.0,3.2b
ISC Event type ke.
JMA Event type ke. EASTERN SEA OF JAPAN .
ISC II 15 07 58 20.9–1.5 40.12N–.03 138.92E–.05 14–9 3.9b 38 0-90
IDC II 15 07 58 19.2–.82 40.10N 138.83E 0 3.7,3.7b **¶610247248**
JMA II 15 07 58 21.0–.19 40.1N–.40 138.8E–.90 34–2 4.0,4.0
NIED II 15 07 58 21.0 40.14N 138.82E 34 3.6W,4.0
ISC Event type ke.
IDC Error ellipse: s-maj=29.9km s-min=17.6km az=119.0.
JMA Event type ke. W OFF AKITA PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}2.79 $M_{\theta\theta}$0.36 $M_{\phi\phi}$-3.14 $M_{r\theta}$0.33 $M_{\theta\phi}$-0.03 $M_{\phi r}$-0.18 NP1:ϕ_s173.00000°,δ47.00000°,λ80.00000°. NP2:ϕ_s8.00000°,δ44.00000°,λ101.00000°. $M_0$2.99000×10^{14}
ISC II 25 02 15 07.7–.95 43.59N–.09 138.39E–.09 274 3.0b 20 2-75
IDC II 25 02 15 07.0–1.4 43.61N 138.27E 263–15 3.5,2.9b **¶610384971**
JMA II 25 02 15 10.2–.40 44N–2.0 138E–4.0 247 2.9,2.9b
ISC Event type ke.
JMA Event type ke. EASTERN SEA OF JAPAN .
ISC III 06 23 49 15.8–1.1 43.48N–.08 138.61E–.08 250 3.2b 21 1-63
IDC III 06 23 49 14.2–11 43.30N 138.14E 220–184 3.6,3.3L **¶610545686**
JMA III 06 23 49 15.7–.68 43N–1.0 139E–3.0 259–4 3.0,3.3L
ISC Event type ke.
JMA Event type ke. EASTERN SEA OF JAPAN .
ISC III 07 11 46 03.1–.56 41.61N–.06 136.44E–.06 350 3.6b 52 2-90
JMA III 07 11 46 02.7–.37 42N–1.0 137E–4.0 355 3.8 **¶610545733**
IDC III 07 11 46 03.7–1.1 41.64N 136.05E 348–10 3.9,3.3b
ISC Event type ke.
JMA Event type ke. EASTERN SEA OF JAPAN .
IDC Error ellipse: s-maj=11.6km s-min=11.3km az=53.0.
ISC III 20 08 22 28.0–.36 44.07N–.03 139.01E–.03 253–3 4.4b 711 1-151
MOS III 20 08 22 27.4–.92 44.10N 139.02E 257 4.5b **¶611832103**
SKHL III 20 08 22 27.3–.70 44.00N 139.00E 250–8 5.2,5.1s
BJI III 20 08 22 27.0–.00 44.20N 139.10E 262 4.5b,4.5b
NEIC III 20 08 22 28.7–1.7 44.09N–.07 139.00E–.09 253–6 4.3b,4.5b
IDC III 20 08 22 28.4–.55 44.18N 139.00E 247–5 4.7,4.1b
NIED III 20 08 22 28.1 44.03N 139.13E 268 4.5W,4.1b
JMA III 20 08 22 28.1–.35 44N–1.0 139E–2.0 268–2 4.3,4.3
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-3.82 $M_{\theta\theta}$4.54 $M_{\phi\phi}$-0.72 $M_{r\theta}$-2.27 $M_{\theta\phi}$-2.86 $M_{\phi r}$-1.08 NP1:ϕ_s88.00000°,δ61.00000°,λ-124.00000°. NP2:ϕ_s322.00000°,δ44.00000°,λ-44.00000°. $M_0$5.64000×10^{15}
JMA Event type ke. NW OFF SHAKOTAN PEN .
ISC III 27 22 31 23.6–.22 42.03N–.03 138.67E–.02 21–2 5.5b,4.7s 1607 1-164
BJI III 27 22 31 18.1–.00 42.13N 139.09E 28 5.3b,5.1b **¶611832139**
IDC III 27 22 31 19.9–.35 42.05N 138.47E 0 4.9,4.9b
NEIC III 27 22 31 21.8 42.04N 138.55E 12 4.9,4.9b
NEIC III 27 22 31 21.1–1.6 42.04N–.06 138.55E–.08 5–3 5.6b,5.1
NEIC III 27 22 31 21.8 42.04N 138.55E 12 5.6b,5.1
NEIC III 27 22 31 21.8 42.04N 138.55E 10 5.6b,5.1
JMA III 27 22 31 23.3–.22 42.0N–.50 139E–1.0 31–1 5.1W,5.0
NIED III 27 22 31 23.3 42.01N 138.70E 31 5.1W,5.0
SKHL III 27 22 31 24.7–.40 42.20N 138.50E 40–5 5.3,5.3b
MOS III 27 22 31 24.6–1.2 42.05N 138.43E 39 5.6b,5.0s
GCMT III 27 22 31 25.0–.10 42.07N–.01 138.38E–.02 12 5.2W,5.0s
BGR III 27 22 31 28.0 42.06N 138.51E 30–1 5.1b,5.0s
ISC Event type ke. Moment Tensor Solution. NP1:ϕ_s82.30964°,δ60.25698°,λ110.26226°. NP2: ϕ_s225.65622°,δ35.45919°,λ58.77987°. Principal axes: T Plg67.9356°,Azm32.9943° ; N Plg14.4993°,Azm251.9312°; P Plg13.0120°,Azm157.7530°
IDC Error ellipse: s-maj=12.1km s-min=9.5km az=85.0.
NEIC Event type se. Moment Tensor Solution.Duration: 1s9 Moment tensor: Scale 10^{16}Nm; M_{rr}5.53 $M_{\theta\theta}$-4.05 $M_{\phi\phi}$-1.48 $M_{r\theta}$-0.15 $M_{\theta\phi}$-2.92 $M_{\phi r}$-2.30 NP1:ϕ_s219.95000°,δ54.31000°,λ68.80000°. NP2:ϕ_s73.56000°,δ40.78000°,λ116.72000°. Principal axes: T 6.2693,Plg71.0000°,Azm77.0000°; N -0.1455,Plg17.0000°,Azm233.0000° ; P -6.1238,Plg7.0000°,Azm325.0000° $M_0$6.20000×10^{16}
NEIC Event type se. Error ellipse: s-maj=8.7km s-min=7.8km az=139.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}2.81 $M_{\theta\theta}$-1.48 $M_{\phi\phi}$-1.33 $M_{r\theta}$1.66 $M_{\theta\phi}$-1.37 $M_{\phi r}$0.86 NP1:ϕ_s218.22000°,δ29.12000°,λ75.07000°. NP2:ϕ_s55.20000°,δ61.95000°,λ98.17000°. Principal axes: T 3.4112,Plg72.0000°,Azm344.0000°; N -0.0949,Plg7.0000°,Azm231.0000°; P -3.3163,Plg17.0000°,Azm139.0000° $M_0$3.36000×10^{16}
NEIC Event type se.
NEIC Event type se.
JMA Event type fe. SW OFF HOKKAIDO .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}3.74 $M_{\theta\theta}$-2.62 $M_{\phi\phi}$-1.12 $M_{r\theta}$2.15 $M_{\theta\phi}$-1.76 $M_{\phi r}$1.82 NP1:ϕ_s53.00000°,δ63.00000°,λ86.00000°. NP2:ϕ_s241.00000°,δ27.00000°,λ97.00000°. $M_0$4.70000×10^{16}
MOS Error ellipse: s-maj=5.4km s-min=3.8km az=116.2.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s88,c122; s134,c225;Duration: 1s0 Moment tensor: Scale 10^{16}Nm; M_{rr}6.80±.11 $M_{\theta\theta}$-4.28±.11; $M_{\phi\phi}$-2.52±.11; $M_{r\theta}$-1.12±.31; $M_{\theta\phi}$-3.76±.09; $M_{\phi r}$-3.25±.37; Best double couple: NP1:ϕ_s218.00000°,δ58.00000°,λ74.00000°. NP2:ϕ_s65.00000°,δ35.00000°,λ113.00000°. Principal axes: T 7.8220,Plg72.0000°,Azm89.0000°; N 0.0290,Plg13.0000°,Azm226.0000°; P -7.8510,Plg11.0000°,Azm319.0000° $M_0$7.83600×10^{16}
BGR Event type ke.
ISC IV 02 09 29 30.5–.36 40.90N–.05 137.23E–.05 300 4.0b 337 2-147
NIED IV 02 09 29 29.9 40.85N 137.36E 335 4.0W **¶610470180**
JMA IV 02 09 29 29.9–.27 40.9N–.80 137E–2.0 335–3 3.9
MOS IV 02 09 29 30.2–.85 40.94N 137.22E 311 4.0b
IDC IV 02 09 29 31.2–.96 40.91N 137.10E 307–9 4.1,3.4b
NEIC IV 02 09 29 31.6–1.6 40.91N–.09 137.2E–.10 294–8 4.0b,3.4b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.47 $M_{\theta\theta}$0.08 $M_{\phi\phi}$-0.55 $M_{r\theta}$0.15 $M_{\theta\phi}$-0.16 $M_{\phi r}$-1.15 NP1:ϕ_s174.00000°,δ79.00000°,λ80.00000°. NP2:ϕ_s36.00000°,δ15.00000°,λ131.00000°. $M_0$1.28000×10^{15}
JMA Event type ke. EASTERN SEA OF JAPAN .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 13 19 02 33.9–.65 43.74N–.06 138.45E–.06 250 3.5b 37 2-67
JMA IV 13 19 02 33.6–.37 44N–2.0 138E–4.0 279 3.0 **¶610652653**
IDC IV 13 19 02 34.7–1.2 43.85N 138.33E 256–12 3.7,3.2b
ISC Event type ke.
JMA Event type ke. EASTERN SEA OF JAPAN .
IDC Error ellipse: s-maj=14.5km s-min=11.1km az=100.0.
ISC IV 15 20 37 45.0–1.7 43.05N–.07 139.18E–.05 23–17 14 1-45
JMA IV 15 20 37 44.9–.20 43.1N–.50 139.2E–.90 34–3 3.1 **¶610652820**
IDC IV 15 20 37 47.9–1.6 43.68N 139.15E 130–20 3.3,2.6b
ISC Event type ke.
JMA Event type ke. NW OFF SHAKOTAN PEN .
IDC Error ellipse: s-maj=51.1km s-min=10.9km az=174.0.
ISC V 06 19 11 30.2–.56 43.24N–.04 139.06E–.04 227–5 4.0b 211 1-145
SKHL V 06 19 11 28.9–.00 43.20N 139.00E 208–8 5.1,4.9 **¶610617723**
BJI V 06 19 11 28.2–.00 43.11N 139.12E 246 4.2b,4.2b
MOS V 06 19 11 29.3–1.4 43.25N 139.02E 234 4.1b,4.2b
IDC V 06 19 11 29.6–.72 43.31N 138.94E 221–7 4.2,3.5b
NEIC V 06 19 11 30.3–1.3 43.23N–.07 139.03E–.04 222–7 4.1b,3.5b
JMA V 06 19 11 31.1–.23 43.2N–.80 139E–2.0 227–1 3.6,3.5b
NIED V 06 19 11 31.1 43.20N 139.21E 227 4.2W,3.5b
ISC Event type ke.
MOS Error ellipse: s-maj=8.9km s-min=6.2km az=84.9.
IDC Error ellipse: s-maj=10.4km s-min=7.4km az=108.0.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=4.0km az=178.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. NW OFF SHAKOTAN PEN .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-1.25 $M_{\theta\theta}$1.80 $M_{\phi\phi}$-0.56 $M_{r\theta}$0.91 $M_{\theta\phi}$-1.47 $M_{\phi r}$0.97 NP1:ϕ_s260.00000°,δ65.00000°,λ-140.00000°. NP2:ϕ_s151.00000°,δ54.00000°,λ-31.00000°. $M_0$2.55000×10^{15}
ISC V 11 06 44 03.2–.96 41.78N–.06 139.00E–.06 35 16 0-62
IDC V 11 06 43 58.8–1.5 41.72N 139.08E 0 3.5,3.4L **¶610667662**
NIED V 11 06 44 01.7 41.74N 138.97E 32 3.6W,3.4L
JMA V 11 06 44 01.7–.22 41.7N–.30 139E–1.0 32–1 4.1,3.7
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}2.28 $M_{\theta\theta}$0.11 $M_{\phi\phi}$-2.39 $M_{r\theta}$-1.35 $M_{\theta\phi}$-0.42 $M_{\phi r}$0.02 NP1:ϕ_s213.00000°,δ53.00000°,λ123.00000°. NP2:ϕ_s346.00000°,δ48.00000°,λ54.00000°. $M_0$2.71000×10^{14}
JMA Event type fe. SW OFF HOKKAIDO .
ISC V 13 07 21 44.2–.78 39.97N–.05 138.15E–.07 250 3.5b 32 2-65
IDC V 13 07 21 43.9–1.1 39.92N 138.40E 268–14 3.8,3.2b **¶610690178**
JMA V 13 07 21 43.8–.22 39.9N–.80 138E–2.0 281–2 3.4,3.2b
ISC Event type ke.
JMA Event type ke. EASTERN SEA OF JAPAN .
ISC V 14 03 06 09.3–3.3 43.97N–.05 139.03E–.04 16–21 3.7b 42 1-76
IDC V 14 03 06 07.4–.68 44.07N 138.97E 0 3.6,3.6b **¶610667677**
JMA V 14 03 06 10.5–.31 43.9N–.80 139E–1.0 24–4 3.5,3.6b
NIED V 14 03 06 10.5 43.92N 139.09E 24 3.7W,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=18.1km s-min=17.0km az=42.0.
JMA Event type ke. NW OFF SHAKOTAN PEN .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}3.25 $M_{\theta\theta}$-0.07 $M_{\phi\phi}$-3.18 $M_{r\theta}$-0.04 $M_{\theta\phi}$0.25 $M_{\phi r}$1.62 NP1:ϕ_s357.00000°,δ58.00000°,λ91.00000°. NP2:ϕ_s174.00000°,δ32.00000°,λ88.00000°. $M_0$3.61000×10^{14}

(224) Hokkaido region.

ISC I 01 09 12 57.5–1.7 44.76N–.07 145.69E–.05 25–15 24 1-3
JMA I 01 09 12 58.1–.19 44.8N–.50 145E–1.0 15–1 3.0 **¶614088742**
SKHL I 01 09 12 59.4–.20 44.70N 145.70E 38–3 4.0b
ISC Event type ke.
JMA Event type ke. SOUTHERN SEA OF OKHOTSK .
ISC I 02 21 24 20.8–.42 41.17N–.03 142.01E–.03 65–3 4.8b 543 1-153
BJI I 02 21 24 15.4–.00 41.08N 142.47E 60 5.0b,4.6b **¶611831443**
MOS I 02 21 24 19.5–1.0 41.19N 142.01E 60 5.0b,4.6b
NIED I 02 21 24 20.8 41.20N 142.03E 58 4.6W,4.6b
NEIC I 02 21 24 20.6–1.8 41.21N–.06 142.00E–.08 55–5 4.8b,4.5
JMA I 02 21 24 20.8–.09 41.2N–.30 142.0E–.60 58–1 4.5,4.4
IDC I 02 21 24 21.4–1.3 41.17N 142.00E 64–11 4.5,4.2b
ISC Event type ke. Moment Tensor Solution. NP1:ϕ_s93.42333°,δ17.89022°,λ-16.09745°. NP2: ϕ_s198.78001°,δ85.11384°,λ-107.23107°. Principal axes: T Plg37.7841°,Azm304.1490° ; N Plg17.1665°,Azm200.2932°; P Plg47.1507°,Azm90.8412°
MOS Error ellipse: s-maj=6.3km s-min=4.1km az=106.5.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}4.20 $M_{\theta\theta}$-0.36 $M_{\phi\phi}$-3.85 $M_{r\theta}$2.45 $M_{\theta\phi}$-1.67 $M_{\phi r}$5.78 NP1:ϕ_s23.00000°,δ73.00000°,λ91.00000°. NP2:ϕ_s201.00000°,δ17.00000°,λ88.00000°. $M_0$7.64000×10^{15}

NEIC Event type se. Error ellipse: s-maj=11.0km s-min=5.2km az=133.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}2.21 $M_{\theta\theta}$1.19 $M_{\phi\phi}$-3.40 $M_{r\theta}$3.49 $M_{\theta\phi}$0.38 $M_{r\phi}$4.94 NP1:ϕ_s145.43000°,δ21.55000°,λ26.93000°. NP2:ϕ_s30.15000°,δ80.43000°,λ109.40000°. Principal axes: T 6.9285,Plg51.0000°,Azm322.0000°; N -0.3563,Plg19.0000°,Azm207.0000°; P -6.5723,Plg33.0000°,Azm104.0000° $M_0$6.76000×10^{15}
JMA Event type fe. E OFF AOMORI PREF .
IDC Error ellipse: s-maj=11.1km s-min=8.2km az=122.0.
ISC I 03 19 48 56.1–1.3 42.01N–.04 142.52E–.04 30–11 3.7b 31 0-48
IDC I 03 19 48 50.8–10.0 42.33N 142.54E 0 3.6b,3.5 ¶610236578
JMA I 03 19 48 56.9–.18 42.0N–.70 142.6E–.70 61–1 3.2,3.5
ISC Event type ke.
JMA Event type ke. S OFF URAKAWA .
ISC I 07 09 35 14.9–.45 43.79N–.03 140.74E–.04 217–4 4.4b 366 1-149
BGR I 07 09 35 07.7 43.66N 144.13E 200 4.9b ¶610038959
MOS I 07 09 35 13.9–.77 43.81N 140.70E 221 4.4b
NIED I 07 09 35 14.7 43.79N 140.68E 222 4.4W
IDC I 07 09 35 14.8–.48 43.85N 140.68E 214–4 4.4,3.8b
JMA I 07 09 35 14.7–.17 43.8N–.60 141E–1.0 222–1 4.3,3.8b
SKHL I 07 09 35 15.1–.20 43.90N 140.90E 207–6 5.1,5.0
NEIC I 07 09 35 15.1–1.2 43.81N–.07 140.70E–.09 213–6 4.4b,5.0
ISC Event type ke.
BGR Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-4.06 $M_{\theta\theta}$-0.61 $M_{\phi\phi}$4.68 $M_{r\theta}$0.01 $M_{\theta\phi}$-0.67 $M_{r\phi}$-1.86 NP1:ϕ_s356.00000°,δ56.00000°,λ-86.00000°. NP2:ϕ_s169.00000°,δ34.00000°,λ-96.00000°. $M_0$4.79000×10^{15}
JMA Event type ke. ISHIKARI BAY REGION .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 08 08 04 18.8–.78 42.36N–.04 142.07E–.04 91–6 3.3b 40 0-74
IDC I 08 08 04 17.9–2.5 42.31N 142.01E 83–23 3.6,3.2b ¶610236954
JMA I 08 08 04 18.8–.18 42.4N–.60 142.1E–.70 92–1 3.2,3.2b
ISC Event type ke.
JMA Event type ke. S OFF URAKAWA .
ISC I 12 13 49 44.9–1.6 42.79N–.05 144.03E–.04 77–10 36 0-4
SKHL I 12 13 49 45.8–.20 42.80N 144.00E 74–2 4.3b ¶614104346
JMA I 12 13 49 45.3–.11 42.8N–.40 144.0E–.50 76–0 2.8
ISC Event type ke.
JMA Event type ke. SE OFF TOKACHI .
ISC I 15 11 17 52.3–.86 45.43N–.06 142.95E–.08 311–7 2.8b 34 1-66
JMA I 15 11 17 52.6–.23 45N–2.0 143E–3.0 313 2.9 ¶610237433
IDC I 15 11 17 52.9–1.2 45.42N 142.81E 318–14 3.3,2.6b
SKHL I 15 11 17 53.3–.70 45.50N 143.20E 313–4 4.5,4.0b
ISC Event type ke.
JMA Event type ke. NE OFF HOKKAIDO .
IDC Error ellipse: s-maj=29.9km s-min=21.4km az=137.0.
ISC I 15 12 13 22.4–.50 44.41N–.04 141.18E–.05 240–5 4.2b 409 0-91
BJI I 15 12 13 20.6–.00 44.44N 141.18E 230 5.0b,4.4b ¶610094917
JMA I 15 12 13 21.5–.23 44.4N–.80 141E–2.0 251–1 4.1,4.4b
NIED I 15 12 13 21.5 44.40N 141.19E 251 4.2W,4.4b
SKHL I 15 12 13 21.8–.30 44.40N 141.20E 230–9 5.3,5.0s
MOS I 15 12 13 21.6–.89 44.42N 141.18E 246 4.1b,5.0s
IDC I 15 12 13 21.8–.51 44.45N 141.18E 234–5 4.4,3.8b
NEIC I 15 12 13 22.1–1.6 44.42N–.07 141.1E–.10 236–4 4.3b,3.8b
ISC Event type ke.
JMA Event type ke. NW OFF HOKKAIDO .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.76 $M_{\theta\theta}$-0.49 $M_{\phi\phi}$-0.27 $M_{r\theta}$0.88 $M_{\theta\phi}$-1.82 $M_{r\phi}$-0.90 NP1:ϕ_s85.00000°,δ65.00000°,λ151.00000°. NP2:ϕ_s188.00000°,δ64.00000°,λ28.00000°. $M_0$2.31000×10^{15}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 15 20 20 34.1–1.7 42.86N–.05 143.95E–.04 110–10 42 0-4
JMA I 15 20 20 34.3–.14 42.9N–.50 143.9E–.60 111–1 3.4 ¶614107571
SKHL I 15 20 20 34.7–.10 42.90N 144.00E 108–8 5.5,4.6b
ISC Event type ke.
JMA Event type ke. KUSHIRO REGION .
ISC I 17 15 28 24.8–.64 41.54N–.03 142.11E–.03 67–6 4.3b 158 1-114
MOS I 17 15 28 22.1–.83 41.49N 142.07E 60 4.4b ¶610098996
IDC I 17 15 28 23.8–1.9 41.58N 142.11E 57–16 3.9,3.6b
JMA I 17 15 28 24.1–.16 41.6N–.50 142.1E–.70 65–2 3.8,3.6b
NEIC I 17 15 28 24.3–1.8 41.52N–.07 142.13E–.09 60–7 4.4b,3.6b
NIED I 17 15 28 24.1 41.55N 142.06E 65 3.9W,3.6b
ISC Event type ke.
MOS Error ellipse: s-maj=9.6km s-min=6.8km az=90.2.
IDC Error ellipse: s-maj=16.6km s-min=11.7km az=118.0.
JMA Event type fe. E OFF AOMORI PREF .
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=5.9km az=136.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}5.47 $M_{\theta\theta}$-0.73 $M_{\phi\phi}$-4.74 $M_{r\theta}$2.97 $M_{\theta\phi}$0.52 $M_{r\phi}$5.78 NP1:ϕ_s18.00000°,δ71.00000°,λ103.00000°. NP2:ϕ_s162.00000°,δ22.00000°,λ56.00000°. $M_0$8.19000×10^{14}
ISC I 18 14 34 02.1–.83 42.54N–.07 139.40E–.08 208–6 3.4b 35 0-75
IDC I 18 14 34 01.1–1.6 42.54N 139.30E 196–16 3.7,3.2b ¶610100866
JMA I 18 14 34 02.4–.17 42.6N–.60 139E–1.0 201–1 2.9,3.2b
ISC Event type ke.
JMA Event type ke. SW OFF HOKKAIDO .
ISC I 19 20 24 20.2–1.7 43.12N–.07 145.77E–.07 48–9 26 0-3
JMA I 19 20 24 20.0–.15 43.1N–.50 145.8E–.70 51–1 3.2 ¶614111613
SKHL I 19 20 24 20.7–.20 43.10N 145.80E 41–2 4.0b
ISC Event type ke.
JMA Event type ke. OFF NEMURO PENINSULA .
ISC I 21 18 11 06.2–.33 41.09N–.03 142.45E–.03 52–2 4.8b,3.8s 764 1-153
IDC I 21 18 10 59.0–.51 41.16N 142.31E 0 5.4L,4.5 ¶611831621
MOS I 21 18 11 03.6–.88 41.04N 142.40E 44 5.1b,4.5
NIED I 21 18 11 05.6 41.07N 142.44E 37 4.5W,4.5
BJI I 21 18 11 05.7–.00 41.04N 142.38E 71 5.0b,4.7b
JMA I 21 18 11 05.6–.13 41.1N–.40 142.4E–.70 37–3 4.5W,4.5
NEIC I 21 18 11 07.5–1.8 41.15N–.06 142.36E–.10 57–6 4.8b,4.5
BGR I 21 18 11 12.4 41.62N 142.05E 57 4.5b,4.5
ISC Event type ke. Moment Tensor Solution. NP1:ϕ_s45.08082°,δ77.38097°,λ112.97634°. NP2:ϕ_s162.34143°,δ26.04796°,λ29.83525°. Principal axes: T Plg52.1634°,Azm341.8229°; N Plg22.3908°,Azm219.7888°; P Plg28.7379°,Azm116.7325°
IDC Error ellipse: s-maj=14.9km s-min=12.0km az=115.0.
MOS Error ellipse: s-maj=5.9km s-min=4.1km az=108.8.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}2.93 $M_{\theta\theta}$0.17 $M_{\phi\phi}$-3.10 $M_{r\theta}$2.62 $M_{\theta\phi}$-0.43 $M_{r\phi}$4.03 NP1:ϕ_s28.00000°,δ75.00000°,λ102.00000°. NP2:ϕ_s169.00000°,δ19.00000°,λ52.00000°. $M_0$5.69000×10^{15}
JMA Event type fe. E OFF AOMORI PREF .
NEIC Event type se. Error ellipse: s-maj=11.6km s-min=7.0km az=122.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BGR Event type ke.
JMA I 22 04 37 52.6–.14 43.6N–.50 144.4E–.80 0 0.5
¶614113540
JMA Event type ke. TESHIKAGA REGION .
ISC I 22 12 13 43.9–.52 42.03N–.04 142.61E–.03 71–4 4.3b 172 0-146
MOS I 22 12 13 42.5–.88 42.04N 142.68E 77 4.5b ¶610105079
JMA I 22 12 13 43.1–.17 42.0N–.70 142.6E–.70 64–1 4.1,4.1
NEIC I 22 12 13 43.9–1.8 42.01N–.06 142.7E–.10 70–7 4.4b,4.1
IDC I 22 12 13 44.3–.73 42.09N 142.58E 74–6 4.2,3.9b
ISC Event type ke.
MOS Error ellipse: s-maj=8.3km s-min=5.8km az=89.1.
JMA Event type fe. S OFF URAKAWA .
NEIC Event type se. Error ellipse: s-maj=13.3km s-min=6.5km az=122.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=12.2km s-min=8.1km az=104.0.
ISC I 23 06 11 56.6–.92 45.36N–.04 142.25E–.04 10 13 0-3
SKHL I 23 06 11 55.3–.30 45.40N 142.20E 12–2 4.3b ¶614114254
JMA I 23 06 11 57.0–.27 45.4N–.80 142.3E–1.0 0 3.4
ISC Event type ke.
JMA Event type fe. NE OFF HOKKAIDO .
ISC I 26 18 29 03.7–1.6 43.44N–.05 145.10E–.04 91–9 33 0-3
SKHL I 26 18 29 03.3–.20 43.40N 145.20E 97–5 5.0,4.2b ¶614117623
JMA I 26 18 29 03.2–.12 43.5N–.40 145.1E–.50 94–0 2.6,4.2b
ISC Event type ke.
JMA Event type ke. NEMURO REGION .
ISC I 27 01 33 00.5–1.6 43.38N–.06 145.81E–.06 66–9 27 0-2
SKHL I 27 01 33 00.8–.10 43.30N 145.90E 60–3 4.7b ¶614117909
JMA I 27 01 33 00.4–.17 43.4N–.50 145.8E–.80 68–1 3.6
ISC Event type ke.
JMA Event type fe. NEMURO REGION .
ISC I 27 03 25 19.1–1.1 41.07N–.04 142.55E–.05 22–5 3.5b 32 1-61
JMA I 27 03 25 18.8–.22 41.1N–.40 142.6E–.70 28–4 3.8 ¶610235432
IDC I 27 03 25 27.1–3.7 41.24N 140.50E 0 3.4,3.4b
ISC Event type ke.
JMA Event type ke. E OFF AOMORI PREF .
IDC Error ellipse: s-maj=106.7km s-min=29.2km az=70.0.
ISC II 05 02 02 32.9–.74 43.97N–.05 140.97E–.05 240–6 3.3b 42 1-63
JMA II 05 02 02 32.5–.24 44.0N–.70 141E–1.0 234–2 2.9 ¶610414856
SKHL II 05 02 02 32.5–.40 44.10N 141.20E 239–9 4.6s,4.2b
IDC II 05 02 02 40.9–6.3 42.14N 141.28E 438–178 3.6,2.8b
ISC Event type ke.
JMA Event type ke. NW OFF HOKKAIDO .
IDC Error ellipse: s-maj=219.1km s-min=29.1km az=171.0.
ISC II 05 15 17 44.8–.70 41.83N–.03 141.58E–.04 84–6 3.7b 52 0-74
NIED II 05 15 17 45.9 41.86N 141.58E 75 3.7W ¶610247227
JMA II 05 15 17 45.9–.11 41.9N–.30 141.6E–.50 75–1 3.5
IDC II 05 15 17 46.1–1.4 41.89N 141.67E 98–12 3.7,3.4b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-3.13 $M_{\theta\theta}$0.72 $M_{\phi\phi}$2.40 $M_{r\theta}$1.96 $M_{\theta\phi}$-1.29 $M_{r\phi}$-0.54 NP1:ϕ_s311.00000°,δ61.00000°,λ-111.00000°. NP2:ϕ_s169.00000°,δ35.00000°,λ-58.00000°. $M_0$3.70000×10^{14}
JMA Event type ke. S OFF TOMAKOMAI .
IDC Error ellipse: s-maj=17.4km s-min=11.1km az=116.0.
ISC II 07 13 03 18.6–.77 41.54N–.04 142.10E–.03 62–7 4.1b 119 1-147
MOS II 07 13 03 16.9–.86 41.48N 142.09E 62 4.3b ¶610198816
NEIC II 07 13 03 18.6–1.8 41.49N–.07 142.13E–.07 61–9 4.2b
NIED II 07 13 03 18.6 41.56N 142.06E 65 3.9W
IDC II 07 13 03 18.8–2.2 41.54N 142.05E 63–19 3.7,3.5b
JMA II 07 13 03 18.6–.15 41.6N–.50 142.1E–.60 65–2 3.7,3.5b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}4.59 $M_{\theta\theta}$-0.25 $M_{\phi\phi}$-4.33 $M_{r\theta}$2.23 $M_{\theta\phi}$-1.10 $M_{r\phi}$4.34 NP1:ϕ_s24.00000°,δ69.00000°,λ97.00000°. NP2:ϕ_s185.00000°,δ23.00000°,λ73.00000°. $M_0$6.71000×10^{14}
JMA Event type fe. E OFF AOMORI PREF .
ISC II 07 13 39 28.7–.84 41.59N–.07 143.71E–.07 35 3.7b 26 1-86
JMA II 07 13 39 29.9–.22 42N–1.0 143.7E–.80 26–2 3.5 ¶610247237
NIED II 07 13 39 29.9 41.67N 143.67E 26 3.7W
IDC II 07 13 39 30.2–2.9 41.59N 143.63E 47–25 3.7,3.5b
ISC Event type ke.
JMA Event type ke. SE OFF ERIMOMISAKI .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-3.82 $M_{\theta\theta}$3.60 $M_{\phi\phi}$0.22 $M_{r\theta}$-1.05 $M_{\theta\phi}$-1.33 $M_{r\phi}$1.73 NP1:ϕ_s126.00000°,δ58.00000°,λ-71.00000°. NP2:ϕ_s273.00000°,δ36.00000°,λ-117.00000°. $M_0$4.44000×10^{14}
IDC Error ellipse: s-maj=34.2km s-min=20.3km az=165.0.
ISC II 13 19 18 56.9–.44 41.97N–.04 142.33E–.03 71–3 4.5b 297 0-147
BJI II 13 19 18 54.0–.00 41.93N 142.39E 73 4.8b,4.5b ¶610208908
MOS II 13 19 18 55.7–.98 41.97N 142.37E 74 4.7b,4.5b
NIED II 13 19 18 55.9 41.95N 142.34E 69 4.2W,4.5b
JMA II 13 19 18 55.9–.22 42.0N–.90 142.3E–.90 69–2 4.1,4.0
NEIC II 13 19 18 56.4–1.4 41.95N–.06 142.35E–.09 65–7 4.6b,4.0
IDC II 13 19 18 57.6–.57 42.05N 142.26E 74–4 4.1,3.8b
ISC Event type ke. Moment Tensor Solution. NP1:ϕ_s187.90941°,δ83.76820°,λ-108.76485°. NP2:ϕ_s80.19026°,δ19.73715°,λ-18.74984°. Principal axes: T Plg36.0725°,Azm294.2545°; N Plg18.6499°,Azm190.0215°; P Plg47.9296°,Azm78.0643°
MOS Error ellipse: s-maj=7.4km s-min=5.2km az=96.6.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}1.64 $M_{\theta\theta}$-0.32 $M_{\phi\phi}$-1.31 $M_{r\theta}$0.55 $M_{\theta\phi}$-0.28 $M_{r\phi}$1.74 NP1:ϕ_s17.00000°,δ70.00000°,λ91.00000°. NP2:ϕ_s193.00000°,δ20.00000°,λ87.00000°. $M_0$2.37000×10^{15}
JMA Event type fe. S OFF URAKAWA .
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=7.1km az=130.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=12.0km s-min=6.9km az=108.0.
ISC II 16 05 32 42.8–1.1 44.01N–.05 145.07E–.04 20–5 22 0-2
JMA II 16 05 32 45.0–.08 44.0N–.30 145.0E–.40 6–1 2.9 ¶614135318
SKHL II 16 05 32 45.0–.30 43.90N 145.30E 72–2 4.0b
ISC Event type ke.
JMA Event type ke. SHIRETOKO PENINSULA REG .
ISC II 16 12 14 50.2–1.8 43.17N–.08 145.99E–.07 43–10 24 0-2
SKHL II 16 12 14 50.9–.30 43.20N 146.00E 43–2 4.2b ¶614135571
JMA II 16 12 14 50.3–.17 43.2N–.60 146.0E–.90 45–0 2.7
ISC Event type ke.
JMA Event type ke. OFF NEMURO PENINSULA .
ISC II 19 01 22 21.6–.84 41.72N–.04 140.71E–.05 120–6 3.4b 35 0-75
JMA II 19 01 22 21.9–.13 41.7N–.30 140.7E–.60 118–1 2.8 ¶610415788
IDC II 19 01 22 22.0–1.6 41.74N 140.74E 129–18 3.5,3.1b
ISC Event type ke.
JMA Event type ke. TSUGARU STRAIT REGION .
IDC Error ellipse: s-maj=28.2km s-min=16.3km az=105.0.
ISC II 19 01 53 32.4–1.0 41.55N–.03 142.06E–.04 44–10 3.7b 48 1-148
JMA II 19 01 53 32.1–.10 41.6N–.40 142.1E–.50 48–2 3.7 ¶610247254
NIED II 19 01 53 32.1 41.55N 142.07E 48 3.8W
IDC II 19 01 53 35.1–2.5 41.61N 141.89E 64–18 3.8,3.4b
ISC Event type ke.
JMA Event type fe. E OFF AOMORI PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}4.85 $M_{\theta\theta}$-3.76 $M_{\phi\phi}$-1.09 $M_{r\theta}$1.26 $M_{\theta\phi}$1.58 $M_{r\phi}$0.24 NP1:ϕ_s107.00000°,δ52.00000°,λ80.00000°. NP2:ϕ_s302.00000°,δ39.00000°,λ102.00000°. $M_0$4.84000×10^{14}
IDC Error ellipse: s-maj=25.8km s-min=15.3km az=129.0.
ISC II 19 12 17 39.3–1.7 43.08N–.07 145.79E–.06 34–2 24 0-3
JMA II 19 12 17 38.4–.14 43.1N–.50 145.8E–.60 45–0 2.8 ¶614137840
SKHL II 19 12 17 39.3–.30 43.10N 145.80E 33–3 4.3b
ISC Event type ke.
JMA Event type ke. OFF NEMURO PENINSULA .
ISC II 25 17 02 30.6–.63 42.63N–.04 141.78E–.04 146–5 3.9b 89 0-70
IDC II 25 17 02 30.1–1.2 42.60N 142.03E 143–7 3.9,3.4b ¶614142557
NEIC II 25 17 02 30.5–2.4 42.70N–.05 141.6E–.10 136–9 4.2b,3.4b
JMA II 25 17 02 31.3–.19 42.7N–.70 141.7E–.80 142–1 3.2,3.4b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. ISHIKARI DEPRESSION .
ISC II 26 21 38 01.2–.60 42.28N–.04 143.03E–.03 64–5 4.2b 132 0-146
SKHL II 26 21 38 00.8–.50 42.20N 143.00E 74–5 5.0b ¶610243843
MOS II 26 21 38 00.0–.99 42.29N 143.00E 70 4.4b
NEIC II 26 21 38 00.6–1.2 42.22N–.06 143.3E–.10 71–5 4.4b
JMA II 26 21 38 01.8–.15 42.3N–.50 143.0E–.50 53–1 3.9
NIED II 26 21 38 01.8 42.33N 143.01E 53 4.1W
IDC II 26 21 38 02.8–1.8 42.39N 142.96E 75–13 3.9,3.6b
ISC Event type ke.
MOS Error ellipse: s-maj=10.1km s-min=7.3km az=90.0.
NEIC Event type se. Error ellipse: s-maj=16.1km s-min=5.9km az=114.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. HIDAKA MOUNTAINS REGION .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}1.19 $M_{\theta\theta}$-0.50 $M_{\phi\phi}$-0.69 $M_{r\theta}$0.56 $M_{\theta\phi}$-0.52 $M_{r\phi}$0.74 NP1:ϕ_s38.00000°,δ64.00000°,λ89.00000°. NP2:ϕ_s221.00000°

,δ26.00000°,λ93.00000°. $M_0$1.48000$\times10^{15}$
IDC Error ellipse: s-maj=18.5km s-min=12.2km az=111.0.
ISC II 27 06 21 34.9–.54 43.43N–.04 145.88E–.04 64–4 4.4b 224 0-153
SKHL II 27 06 21 34.7–.10 43.40N 145.80E 76–2 5.2b **¶610385100**
MOS II 27 06 21 34.1–1.0 43.48N 145.89E 71 4.2b
JMA II 27 06 21 35.0–.16 43.4N–.50 145.8E–.80 67–1 4.6,4.3
NIED II 27 06 21 35.0 43.42N 145.83E 67 4.0W,4.3
NEIC II 27 06 21 36.7–1.2 43.47N–.07 145.8E–.10 79–7 4.4b,4.3
IDC II 27 06 21 38.3–2.7 43.50N 145.86E 96–25 4.0,3.6b
ISC Event type ke.
MOS Error ellipse: s-maj=9.6km s-min=6.2km az=85.5.
JMA Event type fe. NEMURO REGION .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.90 $M_{\theta\theta}$-0.56 $M_{\phi\phi}$-0.34 $M_{r\theta}$0.23 $M_{\theta\phi}$-0.40 $M_{\phi r}$-0.74 NP1:ϕ_s202.00000°,δ62.00000°,λ61.00000°. NP2:ϕ_s72.00000° ,δ40.00000°,λ132.00000°. $M_0$1.12000$\times10^{15}$
NEIC Event type se. Error ellipse: s-maj=13.3km s-min=9.8km az=110.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=17.5km s-min=13.7km az=136.0.
ISC II 27 09 10 38.0–.32 42.31N–.03 143.03E–.03 60–2 4.9b 919 0-168
MOS II 27 09 10 36.9–.89 42.23N 143.00E 64 5.1b **¶614144221**
BJI II 27 09 10 36.4–.00 42.19N 143.01E 63 5.0b,5.0b
SKHL II 27 09 10 37.0–.50 42.10N 143.00E 72–3 5.5b,5.0b
IDC II 27 09 10 38.3–1.4 42.37N 143.00E 61–12 4.7,4.4b
NEIC II 27 09 10 38.6–1.8 42.32N–.06 143.0E–.10 56–5 4.9b,4.4b
JMA II 27 09 10 39.2–.15 42.4N–.50 143.1E–.50 52–1 4.7W,4.7
NIED II 27 09 10 39.2 42.35N 143.05E 52 4.6W,4.7
BGR II 27 09 10 44.2 43.57N 142.34E 33 5.1b,4.7
ISC Event type ke. Moment Tensor Solution. NP1:ϕ_s5.60291°,δ3.31593°,λ-103.51982°. NP2: ϕ_s199.14458°,δ86.77605°,λ-89.22398°. Principal axes: T Plg41.7711°,Azm288.4088° ; N Plg0.7748°,Azm19.1009°; P Plg48.2184°,Azm109.9681°
MOS Error ellipse: s-maj=5.8km s-min=4.2km az=112.5.
IDC Error ellipse: s-maj=11.9km s-min=8.9km az=123.0.
NEIC Event type se. Error ellipse: s-maj=12.5km s-min=6.9km az=114.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. HIDAKA MOUNTAINS REGION .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}7.32 $M_{\theta\theta}$-3.32 $M_{\phi\phi}$-4.00 $M_{r\theta}$1.61 $M_{\theta\phi}$-4.66 $M_{\phi r}$5.22 NP1:ϕ_s28.00000°,δ63.00000°,λ75.00000°. NP2:ϕ_s239.00000° ,δ31.00000°,λ117.00000°. $M_0$9.58000$\times10^{15}$
ISC Event type ke. Hypocentre not reviewed by the ISC.
ISC III 03 08 27 36.2–.26 43.15N–.03 145.48E–.03 91–1 5.3b 1205 0-153
BGR III 03 08 27 31.4 42.79N 145.89E 33 5.4b,4.0s **¶610244544**
BJI III 03 08 27 33.9–.00 43.29N 145.43E 81 5.0b,5.0b
NEIC III 03 08 27 34.5–2.7 43.11N–.06 145.7E–.10 66–5 5.3b,5.1
MOS III 03 08 27 35.8–.84 43.08N 145.44E 100 5.4b,5.1
NEIC III 03 08 27 36.6 43.14N 145.47E 50 5.4b,5.1
NEIC III 03 08 27 36.6 43.14N 145.88E 50 5.4b,5.1
IDC III 03 08 27 36.4–.37 43.14N 145.39E 89–3 5.1,4.8b
NIED III 03 08 27 37.1 43.08N 145.48E 93 4.8W,4.8b
JMA III 03 08 27 37.1–.17 43.1N–.50 145.5E–.80 93–1 4.9W,4.9
SKHL III 03 08 27 37.4–.10 43.10N 145.50E 98–4 6.8s,5.4b
GCMT III 03 08 27 38.5–.30 43.22N–.02 145.38E–.03 86–4 4.9W,5.4b
ISC Event type ke. Moment Tensor Solution. NP1:ϕ_s190.69789°,δ10.78048°,λ36.11670°. NP2: ϕ_s65.06564°,δ83.67020°,λ98.74439°. Principal axes: T Plg50.5867°,Azm344.8136° ; N Plg8.6907°,Azm244.0941°; P Plg38.0732°,Azm147.2171°
BGR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Event type fe. Felt (II-III) at Yuzhno-Kuril'sk. Moment Tensor Solution.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 1s7 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.05 $M_{\theta\theta}$2.67 $M_{\phi\phi}$0.37 $M_{r\theta}$2.68 $M_{\theta\phi}$2.83 $M_{\phi r}$0.88 NP1:ϕ_s249.97000°,δ64.34000° ,λ-73.90000°. NP2:ϕ_s36.29000°,δ29.99000°,λ-119.99000°. Principal axes: T 5.4527,Plg18.0000°,Azm328.0000°; N -1.3337,Plg14.0000°,Azm63.0000° ; P -4.1190,Plg67.0000°,Azm190.0000° $M_0$4.79000$\times10^{16}$
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.73 $M_{\theta\theta}$0.62 $M_{\phi\phi}$0.10 $M_{r\theta}$1.84 $M_{\theta\phi}$0.27 $M_{\phi r}$0.51 NP1:ϕ_s254.00000°,δ80.00000°,λ-87.00000°. NP2:ϕ_s60.00000° ,δ11.00000°,λ-104.00000°. $M_0$2.05000$\times10^{16}$
JMA Event type fe. OFF NEMURO PENINSULA .
SKHL Event type fe. Felt (II-III) at Yushno-Kuril'sk.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s26,c26; s103,c137;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.39±.14 $M_{\theta\theta}$1.23±.17; $M_{\phi\phi}$0.16±.15; $M_{r\theta}$2.35±.07; $M_{\theta\phi}$0.70±.11; $M_{\phi r}$0.65±.07; Best double couple: NP1:ϕ_s253.00000°,δ75.00000°,λ-84.00000°. NP2:ϕ_s52.00000°,δ17.00000°,λ-110.00000°. Principal axes: T 2.9260,Plg29.0000° ,Azm338.0000°; N -0.1310,Plg6.0000°,Azm72.0000°; P -2.7860,Plg60.0000°,Azm172.0000° $M_0$2.85600$\times10^{16}$
ISC III 05 00 57 33.4–.80 42.44N–.05 143.36E–.04 65–6 3.3b 49 0-65
MOS III 05 00 57 32.9–1.2 42.49N 143.23E 78 4.3b **¶610545559**
SKHL III 05 00 57 33.3–.80 42.50N 143.30E 76–4 4.8b
JMA III 05 00 57 34.2–.14 42.5N–.40 143.3E–.70 55–1 3.4
IDC III 05 00 57 35.5–2.1 42.59N 143.03E 77–15 3.5,3.2b
ISC Event type ke.
MOS Error ellipse: s-maj=24.2km s-min=11.0km az=61.3.
JMA Event type fe. TOKACHI REGION .
IDC Error ellipse: s-maj=28.2km s-min=13.5km az=107.0.
JMA III 05 09 15 41.4–.32 46N–2.0 144E–5.0 325 3.5
¶614149772
JMA Event type ke. NE OFF HOKKAIDO .
ISC III 07 09 45 54.4–.94 42.39N–.06 144.82E–.04 46–9 3.9b,3.3s 92 1-99
MOS III 07 09 45 52.7–1.2 42.27N 144.88E 51 4.6b,3.3s **¶610470927**
NEIC III 07 09 45 53.5–2.7 42.37N–.05 145.1E–.20 50–9 4.1b,3.3s
JMA III 07 09 45 54.5–.07 42.4N–.20 144.8E–.40 44–0 4.3,4.2
IDC III 07 09 45 54.1–2.3 42.34N 144.88E 42–19 3.9,3.7b
NIED III 07 09 45 54.5 42.40N 144.79E 44 4.0W,3.7b
SKHL III 07 09 45 55.0–.20 42.40N 144.80E 66–3 5.2b,3.7b
ISC Event type ke.
MOS Error ellipse: s-maj=12.5km s-min=7.0km az=80.5.
NEIC Event type se. Error ellipse: s-maj=19.9km s-min=6.2km az=100.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. SE OFF TOKACHI .
IDC Error ellipse: s-maj=17.4km s-min=12.6km az=94.0.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.67 $M_{\theta\theta}$0.89 $M_{\phi\phi}$-0.22 $M_{r\theta}$0.93 $M_{\theta\phi}$-0.34 $M_{\phi r}$0.32 NP1:ϕ_s259.00000°,δ73.00000°,λ-115.00000°. NP2:ϕ_s135.00000° ,δ30.00000°,λ-37.00000°. $M_0$1.31000$\times10^{15}$
ISC III 07 16 08 19.1–.26 41.49N–.03 141.99E–.03 61–1 5.1b 1056 1-153
BJI III 07 16 08 15.0–.00 41.43N 142.31E 65 5.6b,5.3s **¶616203825**
MOS III 07 16 08 17.5–.96 41.50N 141.92E 59 5.3s,5.2b
NEIC III 07 16 08 18 41.51N 141.97E 54 5.3s,5.2b
BGR III 07 16 08 19.2 42.56N 143.78E 33 5.3s,5.1b
JMA III 07 16 08 19.0–.14 41.5N–.50 142.0E–.70 65–2 5.7W,5.2
IDC III 07 16 08 19.9–1.6 41.47N 141.91E 68–14 4.9s,4.7
NIED III 07 16 08 19.0 41.48N 141.98E 65 5.6W,4.7
NEIC III 07 16 08 19.0–1.1 41.52N–.05 141.90E–.10 56–1 5.7,5.7
NEIC III 07 16 08 19 41.53N 141.90E 55 5.7,5.7
NEIC III 07 16 08 19 41.53N 141.90E 55 5.7,5.7
GCMT III 07 16 08 22.0–.10 41.49N–.01 142.16E–.01 55–0 5.7W,5.7
NEIC III 07 16 08 26 41.41N 142.24E 60 5.7W,5.7
ISC Event type ke. Moment Tensor Solution. NP1:ϕ_s219.12885°,δ83.99121°,λ-117.47221°. NP2: ϕ_s117.74573°,δ28.07162°,λ-12.85318°. Principal axes: T Plg33.3603°,Azm332.1178° ; N Plg27.3087°,Azm222.2443°; P Plg44.2622°,Azm102.0323° Moment Tensor Solution. NP1:ϕ_s347.04108°,δ84.96965°,λ66.56986°. NP2:ϕ_s245.60271°,δ23.93426°,λ167.51787°. Principal axes: T Plg45.0972°,Azm233.5687°; N Plg23.3345°,Azm349.2172°; P Plg35.7537° ,Azm97.3122°
MOS Error ellipse: s-maj=5.2km s-min=3.7km az=108.0.
NEIC Event type se.
BGR Event type ke.
JMA Event type fe. E OFF AOMORI PREF .
IDC Error ellipse: s-maj=11.5km s-min=9.8km az=122.0.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{17}Nm; M_{rr}1.66 $M_{\theta\theta}$-0.17 $M_{\phi\phi}$-1.49 $M_{r\theta}$1.13 $M_{\theta\phi}$-0.33 $M_{\phi r}$2.50 NP1:ϕ_s23.00000°,δ75.00000°,λ95.00000°. NP2:ϕ_s186.00000° ,δ16.00000°,λ74.00000°. $M_0$3.18000$\times10^{17}$
NEIC Event type se. Error ellipse: s-maj=13.0km s-min=8.2km az=115.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.55 $M_{\theta\theta}$-0.02 $M_{\phi\phi}$-1.53 $M_{r\theta}$0.06 $M_{\theta\phi}$-0.77 $M_{\phi r}$2.15 NP1:ϕ_s222.20000°,δ22.45000°,λ124.32000°. NP2:ϕ_s5.75000°,δ71.62000° ,λ76.89000°. Principal axes: T 2.6824,Plg61.0000°,Azm256.0000°; N 0.1321,Plg12.0000° ,Azm10.0000°; P -2.8145,Plg26.0000°,Azm106.0000° $M_0$2.75000$\times10^{17}$ Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}3.89 $M_{\theta\theta}$0.14 $M_{\phi\phi}$-4.02 $M_{r\theta}$1.18 $M_{\theta\phi}$-0.48 $M_{\phi r}$2.74 NP1:ϕ_s176.11000°,δ27.98000°,λ71.81000°. NP2:ϕ_s16.51000°,δ63.53000° ,λ99.41000°. Principal axes: T 4.9447,Plg70.0000°,Azm306.0000°; N 0.0614,Plg8.0000° ,Azm192.0000°; P -5.0061,Plg18.0000°,Azm100.0000° $M_0$4.98000$\times10^{17}$
NEIC Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s146,c279; s158,c329;Duration: 1s7 Moment tensor: Scale 10^{17}Nm; M_{rr}3.56±.06 $M_{\theta\theta}$-0.43±.04; $M_{\phi\phi}$-3.13±.04; $M_{r\theta}$1.23±.04; $M_{\theta\phi}$-1.27±.04; $M_{\phi r}$2.32±.04; Best double couple: NP1:ϕ_s25.00000°,δ63.00000°,λ93.00000°. NP2:ϕ_s198.00000°,δ27.00000°,λ83.00000°. Principal axes: T 4.4250,Plg72.0000° ,Azm303.0000°; N 0.0580,Plg3.0000°,Azm204.0000°; P -4.4820,Plg18.0000°,Azm113.0000° $M_0$4.45300$\times10^{17}$
NEIC Event type se. Moment Tensor Solution.Duration: 16s0 Moment tensor: Scale 10^{17}Nm; M_{rr}3.56 $M_{\theta\theta}$-0.56 $M_{\phi\phi}$-3.00 $M_{r\theta}$0.99 $M_{\theta\phi}$-1.47 $M_{\phi r}$1.57 NP1:ϕ_s202.00000°,δ32.00000° ,λ84.00000°. NP2:ϕ_s28.00000°,δ59.00000°,λ94.00000°. Principal axes: T 4.0112,Plg76.0000°,Azm309.0000°; N 0.1146,Plg3.0000°,Azm207.0000° ; P -4.1258,Plg13.0000°,Azm116.0000° $M_0$4.07000$\times10^{17}$
ISC III 08 01 55 15.3–.68 41.91N–.04 142.35E–.03 71–5 4.2b 148 0-82
MOS III 08 01 55 14.9–1.3 41.98N 142.44E 83 4.1b **¶610273087**
JMA III 08 01 55 14.5–.24 41.9N–.90 142.3E–.90 71–3 3.8
NEIC III 08 01 55 14.7–1.1 41.89N–.06 142.34E–.07 67–7 4.3b
IDC III 08 01 55 16.7–1.7 42.05N 142.29E 79–13 4.3s,3.9
ISC Event type ke.
MOS Error ellipse: s-maj=8.5km s-min=6.9km az=101.2.
JMA Event type fe. S OFF URAKAWA .
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=5.7km az=134.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=17.3km s-min=11.5km az=126.0.
ISC III 08 05 18 52.2–.62 42.71N–.05 140.81E–.05 153–5 3.4b 61 0-87
IDC III 08 05 18 52.5–1.1 42.73N 140.89E 152–9 3.6,3.2b **¶610545782**
JMA III 08 05 18 53.1–.13 42.8N–.50 140.8E–.60 146–1 3.2,3.2b
ISC Event type ke.
JMA Event type ke. SHIRIBESHI REGION .
ISC III 08 13 50 50.4–.91 42.83N–.06 144.99E–.03 48–6 3.5b 52 0-69
SKHL III 08 13 50 49.1–.10 42.70N 145.00E 61–4 4.7b **¶610545811**
MOS III 08 13 50 49.2–1.7 42.80N 144.87E 55 4.4b
JMA III 08 13 50 50.5–.12 42.9N–.50 144.9E–.50 51–1 3.3
IDC III 08 13 50 54.6–3.3 42.97N 144.77E 81–24 3.6,3.3b
ISC Event type ke.
MOS Error ellipse: s-maj=18.0km s-min=10.8km az=83.1.
JMA Event type fe. OFF NEMURO PENINSULA .
IDC Error ellipse: s-maj=30.6km s-min=23.6km az=3.0.
ISC III 10 00 49 53.4–1.2 43.94N–.07 145.07E–.07 16–6 17 0-2
NIED III 10 00 49 54.5 43.96N 145.00E 5 3.5W **¶610470937**
JMA III 10 00 49 54.5–.06 44.0N–.30 145.0E–.40 5–2 3.5
SKHL III 10 00 49 54.5–.10 44.00N 145.10E 15–2 4.5b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}1.27 $M_{\theta\theta}$-0.79 $M_{\phi\phi}$-0.49 $M_{r\theta}$-0.22 $M_{\theta\phi}$-1.15 $M_{\phi r}$0.54 NP1:ϕ_s24.00000°,δ55.00000°,λ55.00000°. NP2:ϕ_s254.00000° ,δ48.00000°,λ129.00000°. $M_0$1.69000$\times10^{14}$
JMA Event type fe. SHIRETOKO PENINSULA REG .
ISC III 10 02 23 05.5–.75 43.96N–.03 145.08E–.03 13–4 3.5b 44 0-84
IDC III 10 02 23 03.9–.88 43.99N 145.13E 0 3.5,3.4b **¶610316993**
MOS III 10 02 23 04.7–.76 43.94N 145.06E 17 4.2b,3.4b
JMA III 10 02 23 05.4–.08 44.0N–.30 145.0E–.40 6–2 3.4,3.4b
SKHL III 10 02 23 05.2–.10 44.00N 145.00E 17–3 4.6b,3.4b
ISC Event type ke.
IDC Error ellipse: s-maj=28.2km s-min=19.9km az=130.0.
MOS Error ellipse: s-maj=14.6km s-min=11.5km az=70.8.
JMA Event type fe. SHIRETOKO PENINSULA REG .
ISC III 11 12 13 07.2–1.8 42.97N–.09 145.45E–.05 47–12 24 0-3
JMA III 11 12 13 07.9–.15 43.0N–.50 145.4E–.70 48–1 2.8 **¶614154898**
SKHL III 11 12 13 08.4–.30 43.00N 145.40E 43–3 4.0b
ISC Event type ke.
JMA Event type ke. OFF NEMURO PENINSULA .
ISC III 13 08 55 30.5–1.9 43.13N–.08 145.29E–.05 97–10 28 0-3
JMA III 13 08 55 30.6–.16 43.1N–.50 145.3E–.80 97–1 2.9 **¶614156891**
SKHL III 13 08 55 30.7–.20 43.10N 145.30E 97–3 5.4,4.4b
ISC Event type ke.
JMA Event type ke. OFF NEMURO PENINSULA .
ISC III 14 03 56 48.8–.37 42.79N–.03 142.65E–.03 96–2 4.9b 903 0-163
BJI III 14 03 56 47.2–.00 42.66N 142.47E 86 5.2b,4.7b **¶610327655**
SKHL III 14 03 56 48.6–.30 42.70N 142.70E 105–6 6.7,5.8b
MOS III 14 03 56 48.1–1.0 42.76N 142.61E 105 5.0b,5.8b
NEIC III 14 03 56 48.5–1.4 42.72N–.03 142.7E–.10 90–5 5.0b,4.7
NEIC III 14 03 56 48.8 42.70N 142.71E 92 5.0b,4.7
IDC III 14 03 56 49.0–.88 42.81N 142.66E 97–6 4.8,4.5b
NIED III 14 03 56 50.2 42.82N 142.70E 82 4.7W,4.5b
JMA III 14 03 56 50.2–.23 42.8N–.50 142.7E–.70 82–2 4.7W,4.7
BGR III 14 03 56 57.4 43.86N 141.31E 103 5.1b,4.7
ISC Event type ke. Moment Tensor Solution. NP1:ϕ_s129.95450°,δ60.56084°,λ108.40312°. NP2: ϕ_s275.85880°,δ34.27538°,λ60.77804°. Principal axes: T Plg68.7256°,Azm77.9245° ; N Plg15.9582°,Azm300.6671°; P Plg13.6959°,Azm206.6711°
MOS Error ellipse: s-maj=5.9km s-min=4.2km az=93.2.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=4.0km az=92.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.39 $M_{\theta\theta}$-0.34 $M_{\phi\phi}$-0.05 $M_{r\theta}$1.18 $M_{\theta\phi}$-0.08 $M_{\phi r}$-0.45 NP1:ϕ_s109.03000°,δ82.69000°,λ96.80000°. NP2:ϕ_s245.86000°,δ9.97000° ,λ47.27000°. Principal axes: T 1.3836,Plg52.0000°,Azm27.0000°; N -0.1305,Plg7.0000° ,Azm288.0000°; P -1.2531,Plg37.0000°,Azm193.0000° $M_0$1.32000$\times10^{16}$
NEIC Event type se.
IDC Error ellipse: s-maj=10.1km s-min=8.1km az=129.0.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.22 $M_{\theta\theta}$-0.08 $M_{\phi\phi}$0.29 $M_{r\theta}$1.31 $M_{\theta\phi}$-0.38 $M_{\phi r}$-0.41 NP1:ϕ_s289.00000°,δ86.00000°,λ-107.00000°. NP2:ϕ_s185.00000° ,δ17.00000°,λ-15.00000°. $M_0$1.44000$\times10^{16}$
JMA Event type fe. HIDAKA MOUNTAINS REGION .
BGR Event type ke.
ISC III 15 11 27 51.0–.57 42.66N–.04 141.49E–.04 140–5 4.1b 171 0-87
IDC III 15 11 27 50.7–1.0 42.68N 141.45E 138–8 3.9,3.5b **¶610329266**
MOS III 15 11 27 50.4–.87 42.68N 141.47E 151 4.1b,3.5b
JMA III 15 11 27 51.2–.12 42.7N–.50 141.4E–.50 137–0 3.8,3.5b
NEIC III 15 11 27 51.4–.68 42.71N–.06 141.4E–.10 138–8 4.1b,3.5b
SKHL III 15 11 27 52.1–.30 42.70N 141.60E 143–9 5.7,4.9b
ISC Event type ke.
IDC Error ellipse: s-maj=14.2km s-min=11.1km az=141.0.
MOS Error ellipse: s-maj=9.0km s-min=6.9km az=92.2.
JMA Event type ke. IBURI REGION .
NEIC Event type se. Error ellipse: s-maj=12.3km s-min=8.2km az=101.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 17 19 35 24.0–1.8 42.92N–.09 145.47E–.06 49–11 26 0-2
JMA III 17 19 35 24.8–.13 43.0N–.50 145.4E–.60 48–0 2.6 **¶614160274**
SKHL III 17 19 35 25.5–.20 43.00N 145.40E 45–2 3.9b
ISC Event type ke.
JMA Event type ke. OFF NEMURO PENINSULA .
ISC III 22 00 39 55.4–.65 45.78N–.07 143.37E–.07 329–6 3.2b 53 1-84
JMA III 22 00 39 55.1–.45 46N–2.0 143E–3.0 338–3 3.3 **¶610415914**
IDC III 22 00 39 55.7–.67 45.92N 143.28E 324–11 3.7,3.0b

SKHL III 22 00 39 56.1–1.0 45.80N 143.53E 326–3 4.8s,4.2b
ISC Event type ke.
JMA Event type ke. NE OFF HOKKAIDO .
IDC Error ellipse: s-maj=22.7km s-min=13.8km az=169.0.
ISC III 22 10 09 01.1–1.9 42.87N–.10 145.83E–.07 43–18 27 1-3
SKHL III 22 10 09 02.4–.10 42.90N 145.80E 43–2 3.8b **¶614164042**
JMA III 22 10 09 02.1–.13 42.9N–.50 145.7E–.60 46–1 2.8
ISC Event type ke.
JMA Event type ke. OFF NEMURO PENINSULA .
ISC III 22 12 12 39.0–1.7 42.89N–.07 144.87E–.04 93–9 36 0-4
JMA III 22 12 12 39.7–.14 43.0N–.50 144.8E–.60 92–1 3.0 **¶614164108**
SKHL III 22 12 12 40.8–.10 43.00N 144.80E 87–5 5.2,4.4b
ISC Event type ke.
JMA Event type ke. OFF NEMURO PENINSULA .
ISC III 23 08 59 47.5–2.4 44.02N–.08 144.71E–.05 150–16 24 0-3
JMA III 23 08 59 45.9–.27 44N–1.0 144.8E–1.0 159–2 2.5 **¶614164772**
SKHL III 23 08 59 46.1–.40 44.20N 144.30E 130–4 4.5,3.8b
ISC Event type ke.
JMA Event type ke. NE OFF HOKKAIDO .
ISC III 24 22 02 55.9–.51 45.80N–.05 143.21E–.04 340–5 4.0b 233 1-84
NIED III 24 22 02 55.8 45.84N 143.12E 346 4.0W **¶610434846**
JMA III 24 22 02 55.8–.28 46N–1.0 143E–2.0 346–2 4.0
NEIC III 24 22 02 56.3–1.6 45.90N–.08 143.1E–.10 338–6 4.1b
SKHL III 24 22 02 56.6–.60 45.74N 143.28E 334–1 4.5b,4.4s
IDC III 24 22 02 56.0–.55 45.99N 143.08E 330–6 4.1,3.4b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.18 $M_{\theta\theta}$0.08 $M_{\phi\phi}$-0.27 $M_{r\theta}$0.59 $M_{\theta\phi}$-0.05 $M_{\phi r}$-1.10 NP1:ϕ_s153.00000°,δ86.00000°,λ82.00000°. NP2:ϕ_s36.00000°,δ9.00000°,λ154.00000°. $M_0$1.27000$\times10^{15}$
JMA Event type ke. NE OFF HOKKAIDO .
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=10.5km az=109.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=12.4km s-min=10.0km az=154.0.
ISC III 26 11 47 21.9–.66 41.41N–.03 142.31E–.04 40–6 4.1b 71 1-147
NIED III 26 11 47 20.8 41.41N 142.33E 41 3.6W **¶610471022**
JMA III 26 11 47 20.8–.10 41.4N–.60 142.3E–.70 41–3 3.9
NEIC III 26 11 47 22.6–1.4 41.49N–.07 142.3E–.10 39–11 4.2b
IDC III 26 11 47 23.4–2.2 41.40N 142.34E 56–19 4.4L,3.6
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-0.73 $M_{\theta\theta}$-1.98 $M_{\phi\phi}$2.70 $M_{r\theta}$-1.56 $M_{\theta\phi}$0.71 $M_{\phi r}$-0.35 NP1:ϕ_s49.00000°,δ75.00000°,λ-32.00000°. NP2:ϕ_s148.00000°,δ59.00000°,λ-162.00000°. $M_0$2.99000$\times10^{14}$
JMA Event type fe. E OFF AOMORI PREF .
NEIC Event type se. Error ellipse: s-maj=16.9km s-min=1.8km az=128.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=25.2km s-min=13.4km az=107.0.
ISC III 27 02 02 20.3–.86 42.68N–.06 141.08E–.05 144–7 3.7b 37 0-69
IDC III 27 02 02 18.8–1.5 44.92N 140.14E 0 3.7,3.7b **¶610543768**
JMA III 27 02 02 20.7–.12 42.7N–.50 141.0E–.60 139–0 2.5,3.7b
ISC Event type ke.
JMA Event type ke. IBURI REGION .
ISC III 28 05 12 34.9–1.0 44.88N–.09 143.1E–.10 278–7 3.5b 26 0-63
IDC III 28 05 11 38.7–52 41.97N 146.44E 0 3.8,3.8b **¶610543833**
JMA III 28 05 12 35.0–.40 45N–2.0 143E–3.0 278–3 2.8,3.8b
ISC Event type ke.
JMA Event type ke. NE OFF HOKKAIDO .
ISC III 31 04 05 26.8–.83 42.30N–.06 143.02E–.03 56–6 3.5b 43 0-86
MOS III 31 04 05 25.6–1.4 42.32N 142.92E 64 4.1b **¶610544025**
SKHL III 31 04 05 25.6–.10 42.20N 143.00E 64–5 4.6b
JMA III 31 04 05 26.9–.14 42.4N–.40 143.0E–.50 52–1 3.3
IDC III 31 04 05 28.6–2.7 42.39N 142.72E 68–20 3.5,3.3b
ISC Event type ke.
MOS Error ellipse: s-maj=25.2km s-min=11.8km az=54.7.
JMA Event type ke. HIDAKA MOUNTAINS REGION .
IDC Error ellipse: s-maj=36.2km s-min=16.3km az=111.0.
ISC IV 01 21 52 05.7–.56 45.69N–.05 144.62E–.05 312–5 3.9b 137 2-90
NIED IV 01 21 52 05.8 45.60N 144.58E 324 4.1W **¶610630654**
MOS IV 01 21 52 05.0–1.0 45.81N 144.52E 315 4.5b
SKHL IV 01 21 52 05.4–.30 45.70N 144.60E 322–3 5.1,4.7b
JMA IV 01 21 52 05.8–.47 46N–2.0 145E–2.0 324–3 3.7,4.7b
IDC IV 01 21 52 06.5–.70 45.98N 144.38E 305–9 4.1,3.4b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-1.01 $M_{\theta\theta}$0.57 $M_{\phi\phi}$0.44 $M_{r\theta}$-0.47 $M_{\theta\phi}$-0.90 $M_{\phi r}$0.33 NP1:ϕ_s128.00000°,δ58.00000°,λ-96.00000°. NP2:ϕ_s320.00000°,δ33.00000°,λ-80.00000°. $M_0$1.34000$\times10^{15}$
MOS Error ellipse: s-maj=14.1km s-min=8.3km az=93.7.
JMA Event type ke. SOUTHERN SEA OF OKHOTSK .
IDC Error ellipse: s-maj=17.4km s-min=10.3km az=158.0.
JMA IV 02 20 04 55.0–.17 42.6N–.70 140.5E–.60 8–1
¶614786812
JMA Event type ke. SHIRIBESHI REGION .
JMA IV 04 16 52 45.1–.48 44.9N–1.0 142E–2.0 27–3 0.3
¶614788350
JMA Event type ke. SOYA REGION .
ISC IV 06 06 14 55.3–.59 44.77N–.05 141.72E–.05 254–5 3.7b 63 0-85
SKHL IV 06 06 14 54.4–.10 44.80N 141.70E 250–2 4.8,4.7b **¶610630691**
JMA IV 06 06 14 55.1–.19 44.8N–.80 142E–1.0 256–1 3.6,4.7b
IDC IV 06 06 14 55.1–.44 44.80N 141.70E 249–4 4.1,3.4b
NIED IV 06 06 14 55.1 44.81N 141.67E 256 4.2W,3.4b
ISC Event type ke.
JMA Event type ke. NW OFF HOKKAIDO .
IDC Error ellipse: s-maj=11.3km s-min=9.5km az=136.0.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.90 $M_{\theta\theta}$-0.52 $M_{\phi\phi}$1.42 $M_{r\theta}$1.17 $M_{\theta\phi}$-0.70 $M_{\phi r}$-0.51 NP1:ϕ_s309.00000°,δ72.00000°,λ-127.00000°. NP2:ϕ_s196.00000°,δ40.00000°,λ-29.00000°. $M_0$1.92000$\times10^{15}$
ISC IV 08 15 09 12.7–.78 41.91N–.04 142.53E–.04 62–7 3.4b 50 0-79
JMA IV 08 15 09 12.4–.18 41.9N–.80 142.5E–.70 62–2 3.4 **¶610652235**
IDC IV 08 15 09 12.9–2.0 41.95N 142.55E 65–16 3.4,3.2b
ISC Event type ke.
JMA Event type ke. S OFF URAKAWA .
IDC Error ellipse: s-maj=20.7km s-min=13.0km az=112.0.
ISC IV 09 07 58 08.5–1.8 42.93N–.09 145.53E–.05 43–12 25 0-3
SKHL IV 09 07 58 08.8–.20 42.90N 145.60E 39–6 4.3b **¶614791745**
JMA IV 09 07 58 08.7–.10 43.0N–.40 145.5E–.50 46–0 3.3
ISC Event type ke.
JMA Event type fe. OFF NEMURO PENINSULA .
ISC IV 10 02 24 37.8–.91 44.78N–.06 141.55E–.06 250 3.0b 31 0-72
IDC IV 10 02 24 37.9–4.6 44.72N 141.58E 255–55 3.5,2.8b **¶610652333**
JMA IV 10 02 24 37.0–.38 45N–1.0 142E–3.0 263–3 3.2,2.8b
SKHL IV 10 02 24 37.1–.60 44.80N 141.50E 258–7 4.9,4.5b
ISC Event type ke.
IDC Error ellipse: s-maj=161.2km s-min=33.5km az=174.0.
JMA Event type ke. NW OFF HOKKAIDO .
ISC IV 10 07 39 54.3–.89 41.31N–.06 142.99E–.08 30 3.7b 24 1-66
JMA IV 10 07 39 50.9–.22 41.2N–1.0 143E–1.0 37 3.5 **¶610619259**
NIED IV 10 07 39 50.9 41.15N 143.08E 37 3.8W
IDC IV 10 07 39 58.7–3.0 41.20N 142.86E 60–27 3.6,3.4b
ISC Event type ke.
JMA Event type ke. E OFF AOMORI PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}2.43 $M_{\theta\theta}$-2.20 $M_{\phi\phi}$-0.23 $M_{r\theta}$0.79 $M_{\theta\phi}$-3.96 $M_{\phi r}$3.03 NP1:ϕ_s19.00000°,δ73.00000°,λ48.00000°. NP2:ϕ_s270.00000°,δ45.00000°,λ155.00000°. $M_0$5.46000$\times10^{14}$
IDC Error ellipse: s-maj=28.8km s-min=21.6km az=117.0.
ISC IV 11 12 28 02.5–1.8 41.12N–.06 143.22E–.06 25–12 3.9b 34 1-69
NIED IV 11 12 28 02.6 41.12N 143.08E 22 3.8W **¶610619262**
JMA IV 11 12 28 02.6–.15 41.1N–.60 143.1E–.80 22 3.7
IDC IV 11 12 28 06.5–3.2 41.21N 143.00E 53–27 3.7,3.5b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}3.80 $M_{\theta\theta}$2.15 $M_{\phi\phi}$-5.95 $M_{r\theta}$2.06 $M_{\theta\phi}$-1.83 $M_{\phi r}$2.80 NP1:ϕ_s34.00000°,δ65.00000°,λ117.00000°. NP2:ϕ_s164.00000°,δ36.00000°,λ46.00000°. $M_0$6.32000$\times10^{14}$
JMA Event type ke. E OFF AOMORI PREF .
IDC Error ellipse: s-maj=41.1km s-min=23.3km az=147.0.
ISC IV 11 13 58 37.7–2.1 43.14N–.07 145.37E–.05 97–12 28 0-2
JMA IV 11 13 58 37.9–.16 43.2N–.50 145.4E–.80 97–1 2.6 **¶614793455**
SKHL IV 11 13 58 38.0–.20 43.10N 145.40E 96–5 5.3,4.3b
ISC Event type ke.
JMA Event type ke. NEMURO REGION .
ISC IV 13 07 04 03.3–2.6 42.8N–.10 145.84E–.07 35–5 22 1-2
SKHL IV 13 07 04 02.9–.20 42.70N 145.70E 56–3 3.9b **¶614794502**
JMA IV 13 07 04 02.8–.16 42.8N–.60 145.8E–.70 43–1 2.7
ISC Event type ke.
JMA Event type ke. OFF NEMURO PENINSULA .
ISC IV 13 13 12 09.6–1.9 42.19N–.10 143.05E–.04 59–10 26 0-3
SKHL IV 13 13 12 09.7–.20 42.10N 143.10E 56–7 4.6b **¶614794679**
JMA IV 13 13 12 10.0–.16 42.2N–.60 143.0E–.60 54–1 3.6
ISC Event type ke.
JMA Event type fe. HIDAKA REGION .
ISC IV 13 15 40 14.3–1.3 44.62N–.04 145.45E–.04 14–9 3.4b 45 1-83
IDC IV 13 15 40 12.5–.89 44.61N 145.48E 0 3.4,3.4b **¶610619263**
MOS IV 13 15 40 13.3–1.2 44.63N 145.40E 18 4.4b,3.4b
NIED IV 13 15 40 14.7 44.63N 145.31E 14 3.7W,3.4b
JMA IV 13 15 40 14.7–.19 44.6N–.60 145.3E–.90 14–1 3.8,3.4b
SKHL IV 13 15 40 15.9–.10 44.60N 145.50E 26–3 4.6b,3.4b
ISC Event type ke.
IDC Error ellipse: s-maj=29.0km s-min=17.3km az=148.0.
MOS Error ellipse: s-maj=16.6km s-min=10.0km az=83.8.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}3.53 $M_{\theta\theta}$-4.52 $M_{\phi\phi}$0.99 $M_{r\theta}$0.80 $M_{\theta\phi}$-0.24 $M_{\phi r}$0.54 NP1:ϕ_s78.00000°,δ52.00000°,λ77.00000°. NP2:ϕ_s278.00000°,δ40.00000°,λ106.00000°. $M_0$4.16000$\times10^{14}$
JMA Event type ke. NE OFF HOKKAIDO .
ISC IV 13 15 49 29.1–1.6 44.71N–.07 145.46E–.06 15–11 18 1-2
JMA IV 13 15 49 32.6–.18 44.6N–.60 145.3E–.90 15–1 2.6 **¶614794773**
SKHL IV 13 15 49 33.4–.10 44.60N 145.50E 21–3 4.0b
ISC Event type ke.
JMA Event type ke. NE OFF HOKKAIDO .
ISC IV 14 03 38 42.0–1.3 44.68N–.04 145.48E–.05 14–11 21 1-3
JMA IV 14 03 38 44.7–.20 44.6N–.60 145E–1.0 12–1 3.2 **¶614795182**
SKHL IV 14 03 38 47.0–.30 44.50N 145.40E 22–3 4.3b
ISC Event type ke.
JMA Event type ke. NE OFF HOKKAIDO .
ISC IV 15 19 24 01.8–.39 41.16N–.03 142.65E–.04 51–3 4.6b,3.6s 461 1-94
BJI IV 15 19 23 56.7–.00 41.24N 143.14E 55 4.7b,4.7b **¶611832314**
MOS IV 15 19 24 00.5–.91 41.24N 142.50E 48 4.8b,4.7b
NEIC IV 15 19 24 01.6–1.7 41.19N–.05 142.53E–.08 39–6 4.6b,4.3
NEIC IV 15 19 24 01.7 41.20N 142.53E 40 4.6b,4.3
NIED IV 15 19 24 01.0 41.12N 142.57E 32 4.3W,4.3
JMA IV 15 19 24 01.0–.17 41.1N–.40 142.6E–.60 32–4 4.7,4.4
IDC IV 15 19 24 02.8–.52 41.20N 142.46E 53–3 4.2,4.0b
ISC Event type ke. Moment Tensor Solution. NP1:ϕ_s180.23528°,δ11.15740°,λ44.93140°. NP2:ϕ_s45.85047°,δ82.14510°,λ97.94891°. Principal axes: T Plg52.2209°,Azm325.0353°; N Plg7.8738°,Azm224.7572°; P Plg36.6629°,Azm128.8486° Moment Tensor Solution. NP1:ϕ_s350.18747°,δ66.15292°,λ98.81754°. NP2:ϕ_s149.19653°,δ25.33541°,λ70.87452°. Principal axes: T Plg67.6649°,Azm276.7596°; N Plg8.0595°,Azm166.5988°; P Plg20.6841°,Azm73.5343°
MOS Error ellipse: s-maj=7.1km s-min=4.9km az=99.4.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=5.3km az=127.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}1.19 $M_{\theta\theta}$-0.57 $M_{\phi\phi}$-0.62 $M_{r\theta}$1.25 $M_{\theta\phi}$-0.19 $M_{\phi r}$2.80 NP1:ϕ_s217.63000°,δ9.03000°,λ102.71000°. NP2:ϕ_s24.76000°,δ81.19000°,λ88.00000°. Principal axes: T 3.4371,Plg54.0000°,Azm292.0000°; N -0.4353,Plg2.0000°,Azm25.0000°; P -3.0018,Plg36.0000°,Azm117.0000° $M_0$3.24000$\times10^{15}$
NEIC Event type se.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}2.14 $M_{\theta\theta}$-0.20 $M_{\phi\phi}$-1.94 $M_{r\theta}$1.52 $M_{\theta\phi}$0.07 $M_{\phi r}$2.50 NP1:ϕ_s24.00000°,δ73.00000°,λ103.00000°. NP2:ϕ_s166.00000°,δ21.00000°,λ54.00000°. $M_0$3.53000$\times10^{15}$
JMA Event type fe. E OFF AOMORI PREF .
IDC Error ellipse: s-maj=12.6km s-min=9.7km az=116.0.
JMA IV 20 21 17 28.7–.35 42.6N–1.0 143E–1.0 69–2 0.4
¶616720994
JMA Event type ke. HIDAKA MOUNTAINS REGION .
ISC IV 21 08 47 39.9–.61 42.26N–.04 142.97E–.03 64–5 3.8b 56 0-146
IDC IV 21 08 47 39.9–1.6 42.27N 142.93E 58–14 3.9,3.5b **¶610619278**
NIED IV 21 08 47 41.0 42.35N 142.95E 55 4.0W,3.5b
JMA IV 21 08 47 41.0–.15 42.4N–.50 143.0E–.50 55–1 3.9,3.5b
SKHL IV 21 08 47 41.0–.80 42.30N 143.00E 59–6 5.0b,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=17.5km s-min=10.4km az=108.0.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.97 $M_{\theta\theta}$0.75 $M_{\phi\phi}$0.22 $M_{r\theta}$0.05 $M_{\theta\phi}$-0.50 $M_{\phi r}$0.73 NP1:ϕ_s148.00000°,δ60.00000°,λ-60.00000°. NP2:ϕ_s279.00000°,δ41.00000°,λ-131.00000°. $M_0$1.23000$\times10^{15}$
JMA Event type fe. HIDAKA MOUNTAINS REGION .
ISC IV 22 14 52 27.7–1.5 44.72N–.06 145.69E–.06 28–15 20 1-2
JMA IV 22 14 52 27.8–.22 44.8N–.60 145E–1.0 15–1 2.7 **¶614802016**
SKHL IV 22 14 52 29.4–.00 44.70N 145.50E 40–6 3.8b
ISC Event type ke.
JMA Event type ke. SOUTHERN SEA OF OKHOTSK .
ISC IV 23 18 35 34.0–.90 41.68N–.06 144.85E–.10 35 3.7b,3.5s 25 1-74
IDC IV 23 18 35 28.8–1.1 41.66N 144.88E 0 3.7b,3.6 **¶610619283**
NIED IV 23 18 35 32.2 41.64N 144.73E 40 3.9W,3.6
JMA IV 23 18 35 32.2–.37 42N–2.0 144.7E–.90 40–2 3.8,3.6
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}3.68 $M_{\theta\theta}$-2.76 $M_{\phi\phi}$-0.93 $M_{r\theta}$-1.47 $M_{\theta\phi}$-6.30 $M_{\phi r}$5.64 NP1:ϕ_s12.00000°,δ71.00000°,λ44.00000°. NP2:ϕ_s265.00000°,δ49.00000°,λ155.00000°. $M_0$9.19000$\times10^{14}$
JMA Event type ke. SE OFF TOKACHI .
ISC IV 23 18 43 15.1–.73 41.92N–.05 143.35E–.06 47–6 4.3b,3.3s 116 0-146
NEIC IV 23 18 43 15.6–2.6 41.97N–.02 143.4E–.10 45–8 4.4b,3.3s **¶610619284**
NIED IV 23 18 43 16.1 41.97N 143.21E 45 4.2W,3.3s
JMA IV 23 18 43 16.1–.16 42.0N–.60 143.2E–.70 45–1 4.4,4.3
IDC IV 23 18 43 18.0–1.7 42.05N 143.09E 66–14 4.0,3.8b
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=3.3km az=88.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-1.51 $M_{\theta\theta}$1.36 $M_{\phi\phi}$0.15 $M_{r\theta}$0.95 $M_{\theta\phi}$-1.36 $M_{\phi r}$0.63 NP1:ϕ_s274.00000°,δ61.00000°,λ-129.00000°. NP2:ϕ_s153.00000°,δ48.00000°,λ-42.00000°. $M_0$2.28000$\times10^{15}$
JMA Event type fe. HIDAKA MOUNTAINS REGION .
IDC Error ellipse: s-maj=15.6km s-min=10.1km az=117.0.
ISC IV 23 23 39 21.4–.74 42.61N–.04 142.68E–.03 106–5 3.3b 51 0-86
IDC IV 23 23 39 21.8–2.0 42.67N 142.48E 105–12 3.5,3.2b **¶610649843**
JMA IV 23 23 39 22.0–.19 42.7N–.60 142.7E–.80 98–1 2.9,3.2b
SKHL IV 23 23 39 22.2–.30 42.60N 142.70E 102–3 5.3,4.6b
ISC Event type ke.
IDC Error ellipse: s-maj=29.2km s-min=16.6km az=126.0.
JMA Event type ke. HIDAKA MOUNTAINS REGION .
ISC IV 24 07 14 09.1–.56 42.37N–.04 141.89E–.03 127–5 4.2b 236 0-152
IDC IV 24 07 14 08.5–1.0 42.40N 141.92E 119–8 4.2,3.8b **¶610547888**
NEIC IV 24 07 14 08.9–1.6 42.40N–.06 141.8E–.10 118–5 4.2b,3.8b
JMA IV 24 07 14 08.6–.20 42.4N–.70 141.8E–.70 128–1 4.0,3.9
NIED IV 24 07 14 08.6 42.43N 141.77E 128 4.0W,3.9
SKHL IV 24 07 14 10.0–.20 42.50N 142.10E 132–8 5.7,4.7b
ISC Event type ke.
IDC Error ellipse: s-maj=12.3km s-min=9.8km az=120.0.
NEIC Event type se. Error ellipse: s-maj=13.5km s-min=7.6km az=106.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. S OFF TOMAKOMAI .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-1.01 $M_{\theta\theta}$0.65 $M_{\phi\phi}$0.36 $M_{r\theta}$0.02 $M_{\theta\phi}$0.54 $M_{\phi r}$0.31 NP1:ϕ_s220.00000°,δ52.00000°,λ-106.00000°. NP2:ϕ_s65.00000°

,δ41.00000°,λ-71.00000°. M0 1.09000×10^{15}
ISC IV 26 02 22 07.3–.86 45.84N–.07 143.29E–.08 334–7 2.9b 32 1-62
IDC IV 26 02 22 07.2–3.0 46.46N 143.05E 294–92 3.5,2.9b **¶610650025**
JMA IV 26 02 22 08.0–.29 46N–3.0 143E–5.0 342 3.2,2.9b
SKHL IV 26 02 22 09.3–.90 45.69N 143.17E 323–1 4.6s,4.3b
ISC Event type ke.
IDC Error ellipse: s-maj=152.3km s-min=21.1km az=176.0.
JMA Event type ke. NE OFF HOKKAIDO .
ISC IV 26 09 28 37.4–.83 41.91N–.04 142.46E–.04 61–7 3.7b 42 0-65
IDC IV 26 09 28 37.4–3.5 41.88N 142.57E 63–30 3.7L,3.6 **¶610650045**
JMA IV 26 09 28 37.1–.17 41.9N–.80 142.5E–.70 65–2 3.3,3.6
ISC Event type ke.
JMA Event type ke. S OFF URAKAWA .
ISC IV 26 12 15 09.2–2.1 44.6N–.10 145.35E–.05 22–12 19 1-2
JMA IV 26 12 15 09.3–.18 44.6N–.50 145.3E–.90 12–1 2.5 **¶614805140**
SKHL IV 26 12 15 10.2–.10 44.60N 145.30E 22–1 3.8b
ISC Event type ke.
JMA Event type ke. NE OFF HOKKAIDO .
ISC IV 28 14 31 06.9–1.8 42.85N–.07 145.16E–.05 90–11 31 0-2
JMA IV 28 14 31 07.5–.15 42.9N–.50 145.1E–.70 88–1 3.1 **¶614806828**
SKHL IV 28 14 31 08.4–.10 42.80N 145.20E 78–5 4.4b
ISC Event type ke.
JMA Event type ke. OFF NEMURO PENINSULA .
ISC IV 29 19 34 51.1–.80 41.95N–.04 142.31E–.04 66–7 3.7b 50 0-76
JMA IV 29 19 34 50.6–.23 41.9N–.90 142.3E–.90 68–2 3.4 **¶610598480**
IDC IV 29 19 34 51.7–2.2 42.01N 142.34E 73–17 3.7,3.5b
ISC Event type ke.
JMA Event type ke. S OFF URAKAWA .
IDC Error ellipse: s-maj=26.0km s-min=16.7km az=109.0.
ISC IV 30 14 42 35.4–.23 42.32N–.03 143.08E–.02 60–1 5.3b 1787 0-157
IDC IV 30 14 42 27.8–.36 42.37N 143.03E 0 5.4L,5.0 **¶610589490**
BJI IV 30 14 42 34.1–.00 42.21N 142.90E 62 5.3b,5.1b
SKHL IV 30 14 42 34.9–.20 42.20N 143.10E 74–5 6.0b,5.1s
MOS IV 30 14 42 34.2–.83 42.26N 143.08E 69 5.6b,4.8s
NEIC IV 30 14 42 35.4–1.2 42.31N–.06 143.0E–.10 58–4 5.3,5.3b
NEIC IV 30 14 42 35.5 42.29N 142.99E 60 5.3,5.3b
JMA IV 30 14 42 35.9–.16 42.3N–.50 143.1E–.60 53–1 5.4W,5.4
NEIC IV 30 14 42 35.5 42.09N 143.39E 60 5.4W,5.4
NIED IV 30 14 42 35.9 42.32N 143.07E 53 5.4W,5.4
GCMT IV 30 14 42 36.4–.10 42.23N–.01 143.21E–.01 58 5.4W,5.4
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se.
JMA Event type fe. HIDAKA MOUNTAINS REGION .
NEIC Event type se. Moment Tensor Solution.Duration: 2s2 Moment tensor: Scale 10^{17}Nm; Mrr0.99 Mθθ-0.52 Mφφ-0.47 Mrθ0.20 Mθφ-0.58 Mφr0.61 NP1:φs31.70000°,δ60.92000°,λ74.81000°. NP2:φs240.88000°,δ32.50000°,λ115.23000°. Principal axes: T 1.2099,Plg70.0000°,Azm269.0000°; N 0.0146,Plg13.0000°,Azm39.0000°; P -1.2245,Plg15.0000°,Azm133.0000° M0 1.22000×10^{17}
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{17}Nm; Mrr0.99 Mθθ-0.34 Mφφ-0.65 Mrθ0.26 Mθφ-0.54 Mφr0.65 NP1:φs28.00000°,δ62.00000°,λ81.00000°. NP2:φs227.00000°,δ29.00000°,λ106.00000°. M0 1.24000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s125,c206; s148,c266;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; Mrr1.40±.03 Mθθ-0.61±.02; Mφφ-0.79±.02; Mrθ0.35±.02; Mθφ-0.76±.02; Mφr0.72±.01; Best double couple: NP1:φs34.00000°,δ60.00000°,λ82.00000°. NP2:φs229.00000°,δ31.00000°,λ103.00000°. Principal axes: T 1.6220,Plg74.0000°,Azm283.0000°; N 0.0400,Plg7.0000°,Azm38.0000°; P -1.6630,Plg14.0000°,Azm130.0000° M0 1.64200×10^{17}
ISC IV 30 21 24 30.5–.56 42.54N–.04 143.16E–.03 114–5 3.9b 106 0-86
SKHL IV 30 21 24 30.8–.10 42.60N 143.20E 118–2 5.7,5.0b **¶610589568**
MOS IV 30 21 24 30.3–.98 42.54N 143.15E 125 4.1b,5.0b
IDC IV 30 21 24 31.2–1.2 42.59N 143.06E 114–9 3.8,3.5b
NIED IV 30 21 24 32.1 42.61N 143.10E 103 3.8W,3.5b
JMA IV 30 21 24 32.1–.15 42.6N–.50 143.1E–.60 103–1 3.9,3.5b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; Mrr-1.11 Mθθ1.11 Mφφ0.00 Mrθ5.55 Mθφ1.68 Mφr0.97 NP1:φs260.00000°,δ83.00000°,λ-77.00000°. NP2:φs17.00000°,δ15.00000°,λ-153.00000°. M0 5.96000×10^{14}
JMA Event type fe. TOKACHI REGION .
ISC V 02 10 29 21.0–.69 41.54N–.04 141.99E–.03 70–6 4.3b 162 1-147
MOS V 02 10 29 19.6–.93 41.52N 142.02E 79 4.4b **¶610591580**
IDC V 02 10 29 21.4–1.6 41.53N 141.84E 72–13 3.9,3.7b
NEIC V 02 10 29 21.7–1.6 41.55N–.07 142.0E–.10 75–7 4.3b,3.7b
JMA V 02 10 29 21.0–.14 41.6N–.40 141.9E–.60 66–1 3.8,3.7b
NIED V 02 10 29 21.0 41.59N 141.92E 66 3.8W,3.7b
ISC Event type ke.
MOS Error ellipse: s-maj=9.3km s-min=6.5km az=80.1.
IDC Error ellipse: s-maj=17.8km s-min=10.8km az=121.0.
NEIC Event type se. Error ellipse: s-maj=14.3km s-min=8.9km az=109.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. E OFF AOMORI PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; Mrr3.88 Mθθ-0.31 Mφφ-3.57 Mrθ1.82 Mθφ-1.05 Mφr4.57 NP1:φs21.00000°,δ71.00000°,λ93.00000°. NP2:φs192.00000°,δ19.00000°,λ82.00000°. M0 6.26000×10^{14}
ISC V 05 10 51 59.3–.72 41.52N–.03 142.14E–.03 65–7 4.2b 149 1-74
MOS V 05 10 51 57.8–.78 41.52N 142.16E 70 4.5b **¶610669471**
NIED V 05 10 51 58.9 41.55N 142.08E 65 3.9W
JMA V 05 10 51 58.9–.16 41.6N–.50 142.1E–.60 65–2 3.8
NEIC V 05 10 51 59.7–1.5 41.56N–.03 142.15E–.10 64–7 4.4b
IDC V 05 10 51 59.9–1.8 41.58N 142.08E 66–15 3.9,3.6b
ISC Event type ke.
MOS Error ellipse: s-maj=11.3km s-min=6.5km az=69.9.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; Mrr6.69 Mθθ-0.88 Mφφ-5.80 Mrθ2.97 Mθφ-1.55 Mφr5.45 NP1:φs24.00000°,δ67.00000°,λ96.00000°. NP2:φs189.00000°,δ24.00000°,λ76.00000°. M0 8.96000×10^{14}
JMA Event type fe. E OFF AOMORI PREF .
NEIC Event type se. Error ellipse: s-maj=11.0km s-min=3.4km az=76.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=18.4km s-min=11.8km az=113.0.
ISC V 05 13 38 12.0–.60 44.98N–.05 143.58E–.05 273–6 3.6b 64 1-84
JMA V 05 13 38 11.9–.27 45N–1.0 143E–2.0 278–2 3.9 **¶610669472**
NIED V 05 13 38 11.9 44.98N 143.49E 278 4.0W
SKHL V 05 13 38 12.8–.80 45.06N 143.79E 252–7 4.7b,4.6s
IDC V 05 13 38 12.3–.55 45.06N 143.53E 272–5 4.0,3.4b
ISC Event type ke.
JMA Event type ke. NE OFF HOKKAIDO .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; Mrr0.56 Mθθ0.06 Mφφ-0.62 Mrθ-0.35 Mθφ0.40 Mφr-0.73 NP1:φs189.00000°,δ72.00000°,λ120.00000°. NP2:φs307.00000°,δ34.00000°,λ33.00000°. M0 1.08000×10^{15}
IDC Error ellipse: s-maj=13.4km s-min=10.4km az=126.0.
ISC V 05 20 43 18.4–1.9 42.87N–.10 145.73E–.06 67–11 27 0-3
JMA V 05 20 43 18.9–.17 42.9N–.70 145.7E–.80 70–1 2.5 **¶614814103**
SKHL V 05 20 43 19.6–.50 42.90N 145.70E 60–2 3.8b
ISC Event type ke.
JMA Event type ke. OFF NEMURO PENINSULA .
ISC V 06 01 45 41.7–.51 42.49N–.04 139.06E–.05 230–5 4.3b 242 1-147
SKHL V 06 01 45 40.7–.40 42.50N 139.10E 211–8 5.4,5.1 **¶610613142**
MOS V 06 01 45 40.7–.81 42.55N 139.03E 234 4.2b,5.1
BJI V 06 01 45 40.1–.00 42.46N 139.05E 239 4.9b,4.5b
IDC V 06 01 45 41.4–.75 42.56N 139.11E 223–7 4.3,3.7b
NEIC V 06 01 45 42.0–1.1 42.56N–.07 138.99E–.07 226–9 4.3b,3.7b
JMA V 06 01 45 42.8–.18 42.5N–.60 139E–1.0 229–1 4.4,3.7b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. SW OFF HOKKAIDO .
ISC V 08 03 13 01.9–3.0 42.81N–.07 145.54E–.04 31–21 3.4b 50 0-72
MOS V 08 03 13 00.0–.96 42.63N 145.57E 45 4.2b **¶610667637**
NIED V 08 03 13 02.5 42.83N 145.53E 46 3.6W
JMA V 08 03 13 02.5–.11 42.8N–.40 145.5E–.60 46–1 3.6
SKHL V 08 03 13 02.4–.10 42.80N 145.60E 48–2 4.5b
IDC V 08 03 13 04.3–6.4 42.56N 145.46E 66–40 3.7L,3.6
ISC Event type ke.
MOS Error ellipse: s-maj=22.9km s-min=11.1km az=86.3.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; Mrr2.70 Mθθ-2.18 Mφφ-0.52 Mrθ1.68 Mθφ-0.75 Mφr0.27 NP1:φs75.00000°,δ62.00000°,λ95.00000°. NP2:φs244.00000°,δ29.00000°,λ80.00000°. M0 3.09000×10^{14}
JMA Event type ke. OFF NEMURO PENINSULA .
IDC Error ellipse: s-maj=69.4km s-min=23.9km az=178.0.
ISC V 08 15 18 09.7–.74 44.35N–.05 142.55E–.05 230–6 3.4b 52 0-68
SKHL V 08 15 18 08.7–.30 44.40N 142.70E 233–7 4.8,4.4b **¶610689798**
IDC V 08 15 18 09.9–.86 44.34N 142.52E 228–7 3.8,3.1b
JMA V 08 15 18 09.9–.22 44.4N–.80 142E–1.0 229–1 3.4,3.1b
ISC Event type ke.
JMA Event type ke. KAMIKAWA-SORACHI REGION .
ISC V 09 23 52 23.1–.74 42.06N–.04 141.65E–.04 94–6 3.6b 46 0-64
IDC V 09 23 52 23.8–1.6 42.16N 141.69E 99–13 3.6,3.2b **¶610689920**
JMA V 09 23 52 23.5–.16 42.1N–.40 141.6E–.60 88–1 3.2,3.2b
ISC Event type ke.
JMA Event type ke. S OFF TOMAKOMAI .
ISC V 11 08 17 57.6–.97 45.20N–.09 141.67E–.07 300 17 0-57
IDC V 11 08 17 57.2–14 45.50N 141.60E 276–180 3.4,2.5b **¶610690027**
JMA V 11 08 17 58.4–.16 45N–2.0 142E–3.0 290 2.9,2.5b
ISC Event type ke.
JMA Event type ke. SOYA REGION .
ISC V 13 14 47 38.6–1.6 43.27N–.06 145.31E–.04 73–9 31 0-3
JMA V 13 14 47 38.2–.15 43.3N–.40 145.3E–.60 77–1 2.5 **¶614821082**
SKHL V 13 14 47 39.0–.40 43.20N 145.40E 76–4 4.1b
ISC Event type ke.
JMA Event type ke. NEMURO REGION .
ISC V 14 13 59 29.2–.91 41.53N–.04 142.07E–.05 60–9 3.6b 34 1-65
JMA V 14 13 59 28.8–.17 41.6N–.50 142.1E–.70 65–2 3.1 **¶610690278**
IDC V 14 13 59 30.0–2.3 41.50N 142.11E 70–20 3.5,3.3b
ISC Event type ke.
JMA Event type ke. E OFF AOMORI PREF .
IDC Error ellipse: s-maj=31.9km s-min=16.9km az=104.0.
ISC V 15 12 26 26.5–1.6 43.26N–.07 145.91E–.05 51–9 28 0-2
JMA V 15 12 26 26.8–.17 43.3N–.50 145.9E–.80 53–1 2.9 **¶614822484**
SKHL V 15 12 26 27.4–.40 43.30N 145.90E 48–2 4.0b
ISC Event type ke.
JMA Event type ke. OFF NEMURO PENINSULA .
ISC V 16 11 24 58.9–1.7 42.80N–.09 145.06E–.04 45–9 27 0-3
JMA V 16 11 24 59.2–.09 42.8N–.30 145.0E–.40 47–0 2.8 **¶614823266**
SKHL V 16 11 25 00.2–.30 42.90N 145.00E 40–2 3.9b
ISC Event type ke.
JMA Event type ke. OFF NEMURO PENINSULA .
ISC V 20 03 57 51.5–.73 41.14N–.04 142.35E–.04 51–6 3.7b 48 1-72
NIED V 20 03 57 51.2 41.15N 142.37E 43 3.8W **¶610667704**
JMA V 20 03 57 51.2–.10 41.2N–.40 142.4E–.80 43–3 4.0,3.9
IDC V 20 03 57 52.6–.82 41.12N 142.31E 66–8 3.7,3.4b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; Mrr-4.28 Mθθ4.61 Mφφ-0.32 Mrθ-0.45 Mθφ-1.92 Mφr1.59 NP1:φs127.00000°,δ54.00000°,λ-66.00000°. NP2:φs270.00000°,δ43.00000°,λ-119.00000°. M0 5.10000×10^{14}
JMA Event type fe. E OFF AOMORI PREF .
IDC Error ellipse: s-maj=19.8km s-min=10.6km az=99.0.
ISC V 23 05 46 17.0–.69 44.53N–.07 142.83E–.06 240–6 3.4b 38 0-68
JMA V 23 05 46 16.5–.23 45N–1.0 143E–1.0 244–1 3.5 **¶610685200**
IDC V 23 05 46 17.3–.49 44.57N 142.73E 236–4 3.7,3.1b
ISC Event type ke.
JMA Event type ke. ABASHIRI REGION .
IDC Error ellipse: s-maj=20.4km s-min=13.3km az=107.0.
ISC V 24 08 34 08.0–.68 42.33N–.05 139.24E–.06 221–6 3.5b 55 0-75
IDC V 24 08 34 07.6–.96 42.39N 139.10E 214–9 3.7,3.2b **¶610685285**
JMA V 24 08 34 08.3–.18 42.3N–.50 139E–1.0 219–1 3.6,3.2b
ISC Event type ke.
JMA Event type ke. SW OFF HOKKAIDO .
ISC V 25 10 37 25.3–.69 44.44N–.08 142.91E–.07 250–6 3.2b 36 0-91
IDC V 25 10 37 25.4–.71 44.49N 142.83E 247–7 3.6,3.1b **¶610685360**
JMA V 25 10 37 25.9–.27 44N–1.0 143E–2.0 245–2 2.9,3.1b
ISC Event type ke.
JMA Event type ke. ABASHIRI REGION .
ISC V 25 12 08 01.0–.91 43.29N–.03 144.01E–.02 13–7 3.5b 34 0-59
IDC V 25 12 07 59.6–5.2 44.02N 144.52E 0 3.6,3.6b **¶610685364**
JMA V 25 12 08 01.3–.07 43.3N–.20 144.0E–.30 10–1 3.3,3.6b
SKHL V 25 12 08 02.5–.50 43.10N 144.00E 34–4 3.9b,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=155.0km s-min=23.3km az=174.0.
JMA Event type fe. KUSHIRO REGION .
ISC V 25 17 33 23.5–.43 42.01N–.04 142.61E–.03 69–3 4.5b 320 0-93
MOS V 25 17 33 21.5–.90 42.00N 142.58E 64 4.9b **¶610654419**
JMA V 25 17 33 22.7–.18 42.0N–.80 142.6E–.70 64–1 4.3W,4.1
BJI V 25 17 33 22.0–.00 41.96N 142.53E 73 4.7b,4.5b
NIED V 25 17 33 22.7 42.01N 142.58E 64 4.3W,4.5b
SKHL V 25 17 33 22.4–.30 41.90N 142.60E 73–2 5.1b,4.5b
NEIC V 25 17 33 23.1–1.5 42.02N–.04 142.66E–.10 66–7 4.6b,4.5b
IDC V 25 17 33 23.9–.64 42.04N 142.50E 69–5 4.2,3.9b
BGR V 25 17 33 25.9 42.74N 144.52E 71 4.5b,3.9b
ISC Event type ke.
MOS Error ellipse: s-maj=7.1km s-min=4.9km az=100.7.
JMA Event type fe. S OFF URAKAWA .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; Mrr2.24 Mθθ-0.69 Mφφ-1.55 Mrθ0.12 Mθφ-1.03 Mφr1.70 NP1:φs17.00000°,δ64.00000°,λ75.00000°. NP2:φs228.00000°,δ30.00000°,λ117.00000°. M0 2.81000×10^{15}
NEIC Event type se. Error ellipse: s-maj=11.6km s-min=3.0km az=112.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=13.0km s-min=7.1km az=101.0.
BGR Event type ke.
ISC V 29 17 40 09.4–.91 41.57N–.04 141.91E–.04 69–8 3.8b 40 1-65
JMA V 29 17 40 09.3–.15 41.6N–.40 141.9E–.70 69–2 3.3 **¶610685649**
IDC V 29 17 40 11.8–2.4 41.69N 141.97E 87–16 3.5,3.4b
ISC Event type ke.
JMA Event type fe. E OFF AOMORI PREF .
IDC Error ellipse: s-maj=36.2km s-min=14.7km az=122.0.
ISC VI 03 02 31 06.1–2.2 43.23N–.08 145.27E–.06 107–13 27 0-2
JMA VI 03 02 31 06.3–.18 43.2N–.60 145.3E–.90 106–1 2.6 **¶614839034**
SKHL VI 03 02 31 06.5–.20 43.20N 145.30E 106–3 5.1,4.3b
ISC Event type ke.
JMA Event type ke. NEMURO REGION .
JMA VI 07 00 00 30.7–.05 43.13N–.09 142.7E–.20 11–0 0.1
¶614842485
JMA Event type ke. TAISETSU MOUNTAINS REG .
ISC VI 07 05 55 20.4–2.7 42.7N–.10 145.21E–.06 39–4 21 0-2
JMA VI 07 05 55 19.3–.13 42.7N–.40 145.3E–.70 47–1 2.5 **¶614842660**
SKHL VI 07 05 55 22.0–.30 42.80N 145.20E 26–2 3.8b
ISC Event type ke.
JMA Event type ke. OFF NEMURO PENINSULA .
ISC VI 07 11 47 14.2–.64 44.83N–.06 141.48E–.07 261–5 3.4b 46 0-73
JMA VI 07 11 47 13.6–.21 44.9N–.80 141E–2.0 266–1 3.2 **¶610791404**
IDC VI 07 11 47 14.1–.58 44.85N 141.48E 259–5 3.9,3.2b
ISC Event type ke.
JMA Event type ke. NW OFF HOKKAIDO .
IDC Error ellipse: s-maj=15.5km s-min=12.1km az=108.0.
ISC VI 09 07 34 54.7–.77 41.83N–.04 139.94E–.06 163–6 3.6b 46 0-88
IDC VI 09 07 34 54.4–1.7 41.86N 139.96E 159–15 3.7,3.2b **¶610760928**
JMA VI 09 07 34 55.5–.14 41.9N–.80 140.0E–.80 157–1 3.3,3.2b
ISC Event type ke.

JMA Event type ke. SW OFF HOKKAIDO .
ISC VI 10 06 11 23.6–.76 45.82N–.06 143.74E–.08 340–6 3.0b 41 1-83
JMA VI 10 06 11 22.6–.39 46N–3.0 144E–4.0 355 3.2 ¶610791576
SKHL VI 10 06 11 24.3–.70 45.78N 143.81E 337–2 4.9s,4.5b
IDC VI 10 06 11 24.2–1.1 46.14N 143.49E 330–11 3.5,2.8b
ISC Event type ke.
JMA Event type ke. NE OFF HOKKAIDO .
IDC Error ellipse: s-maj=21.5km s-min=19.3km az=54.0.
ISC VI 10 07 31 11.6–.46 42.37N–.04 144.95E–.03 31–2 4.8b,4.2s 655 1-151
IDC VI 10 07 31 06.3–.45 42.44N 144.97E 0 4.4,4.4b ¶611834084
BJI VI 10 07 31 07.7–.00 42.41N 145.02E 21 4.9b,4.9b
NEIC VI 10 07 31 11.8–1.6 42.36N–.07 144.9E–.10 27–5 4.8b,4.5
MOS VI 10 07 31 11.3–1.0 42.27N 144.83E 44 5.0b,4.0s
SKHL VI 10 07 31 11.6–.30 42.20N 145.00E 53–4 5.3b,4.2s
JMA VI 10 07 31 12.4–.06 42.4N–.20 144.8E–.60 34–0 4.6W,4.6
NIED VI 10 07 31 12.4 42.35N 144.82E 34 4.7W,4.6
NEIC VI 10 07 31 13.1 42.36N 144.80E 36 4.7W,4.6
BGR VI 10 07 31 14.2 42.48N 144.70E 33 4.7b,4.6
ISC Event type ke.
IDC Error ellipse: s-maj=12.6km s-min=10.6km az=144.0.
NEIC Event type se. Error ellipse: s-maj=12.6km s-min=9.3km az=120.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; Mrr-2.51 Mθθ-0.69 Mφφ3.20 Mrθ3.17 Mθφ1.40 Mφr4.16 NP1:φs352.05000°,δ19.31000°,λ-132.40000°. NP2:φs216.10000°,δ75.86000° ,λ-76.71000°. Principal axes: T 6.4809,Plg30.0000°,Azm295.0000°; N -0.7276,Plg13.0000° ,Azm33.0000°; P -5.7534,Plg57.0000°,Azm144.0000° M0 6.15000×10^{15}
MOS Error ellipse: s-maj=7.0km s-min=4.9km az=100.0.
JMA Event type fe. SE OFF TOKACHI .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; Mrr0.69 Mθθ-0.14 Mφφ-0.55 Mrθ0.29 Mθφ-0.44 Mφr0.69 NP1:φs25.00000°,δ67.00000°,λ83.00000°. NP2:φs223.00000° ,δ24.00000°,λ106.00000°. M0 1.06000×10^{16}
NEIC Event type se.
BGR Event type ke.
ISC VI 11 10 47 02.3–.84 42.13N–.06 143.40E–.04 44–6 3.6b,3.6s 38 0-86
MOS VI 11 10 47 02.2–1.0 42.13N 143.34E 63 4.1b,3.6s ¶610764479
JMA VI 11 10 47 03.1–.14 42.2N–.50 143.4E–.70 41–1 3.5,3.6s
NIED VI 11 10 47 03.1 42.19N 143.36E 41 3.8W,3.6s
IDC VI 11 10 47 04.4–2.3 42.17N 143.33E 62–18 3.7,3.4b
ISC Event type ke.
MOS Error ellipse: s-maj=19.0km s-min=10.3km az=68.8.
JMA Event type fe. SE OFF TOKACHI .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; Mrr3.69 Mθθ-1.47 Mφφ-2.23 Mrθ4.71 Mθφ-2.04 Mφr2.58 NP1:φs57.00000°,δ73.00000°,λ101.00000°. NP2:φs204.00000° ,δ20.00000°,λ58.00000°. M0 6.58000×10^{14}
IDC Error ellipse: s-maj=25.3km s-min=14.8km az=92.0.
ISC VI 11 18 08 52.2–2.3 42.6N–.10 145.65E–.08 59–19 25 1-2
JMA VI 11 18 08 52.1–.15 42.6N–.30 145.6E–.80 62–1 2.7 ¶614846815
SKHL VI 11 18 08 53.0–.10 42.60N 145.70E 55–2 4.3b
ISC Event type ke.
JMA Event type ke. OFF NEMURO PENINSULA .
ISC VI 12 08 57 19.5–.54 43.32N–.04 142.39E–.04 159–4 4.2b 222 0-149
MOS VI 12 08 57 18.7–1.4 43.30N 142.38E 167 4.2b ¶610670977
NEIC VI 12 08 57 19.3–1.7 43.34N–.05 142.2E–.10 158–7 4.2b
SKHL VI 12 08 57 19.2–.20 43.30N 142.40E 151–3 5.4,4.8b
JMA VI 12 08 57 19.8–.17 43.3N–.60 142.4E–.80 157–1 3.3,4.8b
IDC VI 12 08 57 19.2–.72 43.38N 142.56E 159–5 4.2,3.8b
ISC Event type ke.
MOS Error ellipse: s-maj=8.6km s-min=5.9km az=88.1.
NEIC Event type se. Error ellipse: s-maj=13.7km s-min=7.6km az=98.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. KAMIKAWA-SORACHI REGION .
IDC Error ellipse: s-maj=14.3km s-min=11.8km az=108.0.
ISC VI 13 13 17 13.2–2.5 41.9N–.10 143.28E–.06 48–12 22 0-5
JMA VI 13 13 17 14.2–.12 42.0N–.40 143.2E–.50 45–0 3.4 ¶614848873
SKHL VI 13 13 17 14.9–.30 42.00N 143.40E 39–5 4.6b
ISC Event type ke.
JMA Event type ke. HIDAKA MOUNTAINS REGION .
SKHL VI 15 18 21 59.4–.50 43.90N 145.50E 151–3 4.5,3.8b
JMA VI 15 18 21 59.3–.27 44N–1.0 146E–2.0 166–2 2.3,3.8b ¶614850777
JMA Event type ke. NEAR KUNASHIRI ISLAND .
JMA VI 15 18 22 25.7–.07 43.4N–.20 143.1E–.20 4–1 1.2
¶614850780
JMA Event type ke. TAISETSU MOUNTAINS REG .
ISC VI 18 11 05 21.0–.70 41.04N–.04 139.94E–.07 165–5 3.4b 42 0-89
JMA VI 18 11 05 21.8–.13 41.1N–.30 140.0E–.70 161–1 3.3 ¶610792119
IDC VI 18 11 05 21.1–1.3 41.09N 140.09E 166–12 3.6,3.1b
ISC Event type ke.
JMA Event type ke. W OFF AOMORI PREF .
IDC Error ellipse: s-maj=20.5km s-min=11.9km az=109.0.
ISC VI 23 18 10 01.6–.89 42.89N–.05 145.52E–.04 42–8 3.8b 85 0-141
MOS VI 23 18 10 00.8–1.2 42.93N 145.48E 49 4.0b ¶610764500
SKHL VI 23 18 10 01.2–.10 42.80N 145.50E 51–4 4.6b
JMA VI 23 18 10 02.0–.11 43.0N–.40 145.5E–.50 48–0 4.0,3.6
NIED VI 23 18 10 02.0 42.96N 145.46E 48 3.7W,3.6
NEIC VI 23 18 10 03.0–2.0 42.87N–.03 145.4E–.20 50–10 4.0b,3.6
IDC VI 23 18 10 04.3–3.6 42.90N 145.29E 61–26 3.7,3.4b
ISC Event type ke.
MOS Error ellipse: s-maj=13.9km s-min=8.5km az=73.9.
JMA Event type fe. OFF NEMURO PENINSULA .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; Mrr2.47 Mθθ-0.82 Mφφ-1.65 Mrθ1.14 Mθφ-1.08 Mφr2.39 NP1:φs28.00000°,δ69.00000°,λ85.00000°. NP2:φs220.00000° ,δ22.00000°,λ101.00000°. M0 3.59000×10^{14}
NEIC Event type se. Error ellipse: s-maj=16.1km s-min=4.4km az=94.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=32.1km s-min=27.1km az=37.0.
ISC VI 24 20 22 03.9–.89 41.54N–.04 142.08E–.04 62–8 3.7b 41 1-65
JMA VI 24 20 22 03.6–.16 41.6N–.50 142.1E–.60 65–2 3.1 ¶610789401
IDC VI 24 20 22 04.6–2.0 41.56N 142.12E 71–18 3.6,3.4b
ISC Event type ke.
JMA Event type ke. E OFF AOMORI PREF .
IDC Error ellipse: s-maj=24.4km s-min=15.0km az=104.0.
ISC VI 27 13 49 01.4–1.4 42.16N–.04 144.57E–.04 7–9 4.0b,3.4s 89 1-145
IDC VI 27 13 49 00.9–1.1 42.18N 144.60E 0 3.6,3.6b ¶610761002
SKHL VI 27 13 49 02.6–.40 42.10N 144.60E 40–5 4.8b,3.6b
NIED VI 27 13 49 03.0 42.25N 144.55E 25 3.9W,3.6b
JMA VI 27 13 49 03.0–.05 42.3N–.30 144.6E–.60 25–1 4.1,4.0
MOS VI 27 13 49 03.2–1.8 42.13N 144.50E 41 4.5b,4.0
NEIC VI 27 13 49 05.4–2.1 42.044N–.01 144.4E–.10 35–2 4.0b,4.0
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; Mrr-3.08 Mθθ6.63 Mφφ-3.56 Mrθ1.94 Mθφ-6.26 Mφr1.78 NP1:φs254.00000°,δ74.00000°,λ-157.00000°. NP2:φs157.00000° ,δ67.00000°,λ-17.00000°. M0 8.75000×10^{14}
JMA Event type ke. SE OFF TOKACHI .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA VI 28 15 45 15.3–.17 42.7N–.60 142.1E–.70 106–1 2.2
¶614866992
JMA Event type ke. ISHIKARI DEPRESSION .
ISC VI 28 17 23 34.8–1.6 43.37N–.05 145.03E–.04 90–9 34 0-3
JMA VI 28 17 23 34.5–.13 43.4N–.40 145.0E–.60 92–1 3.1 ¶614867148
SKHL VI 28 17 23 35.0–.10 43.40N 145.00E 91–3 5.5,4.6b
ISC Event type ke.
JMA Event type fe. NEMURO REGION .
ISC VI 30 12 48 23.5–.93 41.24N–.04 141.42E–.05 83–6 3.5b 35 0-65
JMA VI 30 12 48 23.6–.12 41.3N–.30 141.5E–.70 82–0 3.1 ¶610789788
IDC VI 30 12 48 25.1–1.7 41.34N 141.54E 111–20 3.4,3.1b
ISC Event type ke.
JMA Event type fe. SHIMOKITA PENINSULA REG .
IDC Error ellipse: s-maj=29.6km s-min=17.5km az=99.0.
ISC VI 30 21 39 38.8–1.1 43.91N–.05 141.87E–.04 13–8 3.7b,2.9s 38 0-69
IDC VI 30 21 39 34.0–1.2 43.43N 141.91E 0 3.7b,3.6 ¶610764515
NIED VI 30 21 39 40.8 43.81N 141.82E 9 3.9W,3.6
JMA VI 30 21 39 40.8–.08 43.8N–.20 141.8E–.50 9–1 3.8,3.6
NEIC VI 30 21 39 41.5–1.3 43.91N–.04 141.83E–.10 16–9 4.1b,3.6
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; Mrr7.27 Mθθ0.05 Mφφ-7.32 Mrθ1.26 Mθφ3.83 Mφr2.69 NP1:φs354.00000°,δ55.00000°,λ113.00000°. NP2:φs139.00000° ,δ41.00000°,λ62.00000°. M0 8.72000×10^{14}
JMA Event type fe. KAMIKAWA-SORACHI REGION .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(225) Off southeast coast of Hokkaido.

ISC I 22 10 19 13.5–3.0 42.80N–.09 149.1E–.10 35 26 3-6
JMA I 22 10 19 15.8–1.1 43N–4.0 149E–6.0 30 4.1 ¶614113689
SKHL I 22 10 19 16.3–.10 43.00N 148.90E 29–4 4.8b
ISC Event type ke.
JMA Event type ke. FAR SE OFF KURILE ISL .
ISC II 25 14 57 59.6–1.7 42.88N–.05 146.31E–.05 15–10 3.8b 50 1-72
NIED II 25 14 57 58.8 42.82N 146.40E 32 3.7W ¶610247265
JMA II 25 14 57 58.8–.21 42.8N–.60 146E–1.0 32–2 3.9
IDC II 25 14 57 58.0–1.1 43.04N 146.30E 0 3.6,3.6b
SKHL II 25 14 57 59.2–.40 42.80N 146.40E 35–4 4.7b,3.6b
MOS II 25 14 58 00.7–.91 42.89N 146.20E 35 4.2b,3.6b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; Mrr2.32 Mθθ-0.06 Mφφ-2.27 Mrθ3.22 Mθφ-0.36 Mφr0.52 NP1:φs57.00000°,δ74.00000°,λ113.00000°. NP2:φs181.00000° ,δ28.00000°,λ36.00000°. M0 3.73000×10^{14}
JMA Event type ke. OFF NEMURO PENINSULA .
IDC Error ellipse: s-maj=26.8km s-min=20.3km az=162.0.
MOS Error ellipse: s-maj=19.6km s-min=10.9km az=98.7.
ISC III 01 22 07 30.2–3.2 42.87N–.10 146.34E–.08 24–20 24 1-3
JMA III 01 22 07 29.2–.29 42.8N–.80 146E–1.0 29–2 3.1 ¶614146565
SKHL III 01 22 07 31.0–.20 42.80N 146.30E 33–2 4.2b
ISC Event type ke.
JMA Event type ke. OFF NEMURO PENINSULA .
ISC IV 21 20 00 22.4–.87 42.95N–.06 147.0E–.10 37–2 4.0b 91 1-76
MOS IV 21 20 00 20.5–1.1 42.90N 147.00E 44 4.3b ¶610598424
JMA IV 21 20 00 22.0–.18 43.0N–.60 147E–1.0 58–2 4.0
NIED IV 21 20 00 22.0 43.03N 146.93E 58 3.8W
SKHL IV 21 20 00 22.1–.30 43.00N 147.10E 54–7 4.9b
NEIC IV 21 20 00 24.6–2.4 42.78N–.07 146.8E–.10 65–9 4.2b
IDC IV 21 20 00 24.9–3.4 42.81N 146.85E 71–27 3.8,3.6b
ISC Event type ke.
MOS Error ellipse: s-maj=12.8km s-min=9.2km az=107.0.
JMA Event type ke. E OFF HOKKAIDO .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; Mrr0.98 Mθθ3.29 Mφφ-4.27 Mrθ2.26 Mθφ0.67 Mφr1.43 NP1:φs36.00000°,δ78.00000°,λ146.00000°. NP2:φs134.00000° ,δ57.00000°,λ14.00000°. M0 4.75000×10^{14}
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=6.4km az=47.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=35.0km s-min=22.8km az=1.0.
ISC V 30 21 30 24.7–1.7 42.95N–.07 146.21E–.05 14–10 26 1-3
JMA V 30 21 30 26.5–.18 42.9N–.60 146.3E–.90 42–1 3.3 ¶614836498
SKHL V 30 21 30 27.4–.60 42.90N 146.30E 37–2 4.1b
ISC Event type ke.
JMA Event type ke. OFF NEMURO PENINSULA .
ISC VI 08 22 01 17.9–1.5 42.68N–.05 146.88E–.05 26–10 4.3b,3.6s 194 1-94
IDC VI 08 22 01 13.7–.80 42.65N 146.99E 0 4.4,4.4b ¶610668105
MOS VI 08 22 01 17.4–1.1 42.68N 147.01E 39 4.5b,4.4b
SKHL VI 08 22 01 19.0–.20 42.70N 146.90E 56–3 5.3b,4.4b
NIED VI 08 22 01 19.1 42.68N 146.74E 56 4.1W,4.4b
JMA VI 08 22 01 19.1–.19 42.7N–.50 147E–1.0 56–3 4.3,4.1
NEIC VI 08 22 01 20.8–2.2 42.60N–.09 146.8E–.10 45–9 4.3b,4.1
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; Mrr-0.24 Mθθ1.33 Mφφ-1.09 Mrθ1.03 Mθφ-0.17 Mφr0.40 NP1:φs234.00000°,δ87.00000°,λ-138.00000°. NP2:φs141.00000° ,δ48.00000°,λ-3.00000°. M0 1.62000×10^{15}
JMA Event type fe. OFF NEMURO PENINSULA .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 14 01 07 33.3–3.1 42.76N–.08 146.67E–.07 27–20 3.6b 36 1-70
IDC VI 14 01 07 28.5–2.0 42.71N 146.88E 0 3.7,3.7b ¶610791818
MOS VI 14 01 07 32.2–.57 42.72N 146.79E 42 4.1b,3.7b
JMA VI 14 01 07 33.4–.28 42.7N–.80 147E–2.0 54–4 3.3,3.7b
SKHL VI 14 01 07 33.4–.10 42.70N 146.70E 57–5 4.6b,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=65.5km s-min=34.5km az=77.0.
MOS Error ellipse: s-maj=41.4km s-min=13.8km az=112.8.
JMA Event type ke. OFF NEMURO PENINSULA .
ISC VI 14 02 40 24.4–2.5 42.8N–.10 146.61E–.08 29–14 21 1-3
JMA VI 14 02 40 24.7–.46 42.7N–.90 147E–3.0 50 3.0 ¶614849424
SKHL VI 14 02 40 26.1–.20 42.80N 146.60E 55–2 4.4b
ISC Event type ke.
JMA Event type ke. OFF NEMURO PENINSULA .

(226) Near west coast of eastern Honshu.

ISC I 17 06 47 13.4–.68 36.20N–.07 136.94E–.06 278–6 3.2b 50 0-93
JMA I 17 06 47 13.3–.19 36.2N–.80 137.0E–1.0 281–1 3.2 ¶610237577
IDC I 17 06 47 13.6–.57 36.18N 136.93E 280–4 3.8,3.1b
ISC Event type ke.
JMA Event type ke. NORTHERN GIFU PREF .
IDC Error ellipse: s-maj=15.5km s-min=12.4km az=109.0.
IDC I 19 07 27 00.6–330 37.62N 136.45E 0
¶610237711
IDC Error ellipse: s-maj=142.4km s-min=74.8km az=127.0.
JMA III 04 03 06 19.9–.06 36.2N–.20 136.3E–.10 11–0 0.1
¶614148304
JMA Event type ke. CENTRAL FUKUI PREF .
IDC III 20 23 27 53.6–312 37.43N 137.66E 0
¶610543363
IDC Error ellipse: s-maj=147.2km s-min=63.1km az=134.0.
ISC IV 01 10 43 24.3–.76 37.30N–.04 136.84E–.06 14 3.4b 15 0-93
IDC IV 01 10 43 22.4–1.0 37.29N 136.79E 0 3.4b,3.3 ¶610471059
JMA IV 01 10 43 23.2–.05 37.3N–.10 136.8E–.20 5–0 3.6,3.3
NIED IV 01 10 43 23.2 37.31N 136.77E 5 3.5W,3.3
ISC Event type ke.
IDC Error ellipse: s-maj=28.8km s-min=14.3km az=36.0.
JMA Event type fe. NOTO PENINSULA REGION .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; Mrr1.43 Mθθ-0.07 Mφφ-1.36 Mrθ-0.05 Mθφ-0.66 Mφr-1.32 NP1:φs189.00000°,δ66.00000°,λ77.00000°. NP2:φs39.00000° ,δ27.00000°,λ117.00000°. M0 2.03000×10^{14}
JMA IV 02 18 16 43.1–.07 38.13N–.09 138.5E–.20 19–0 0.5
¶614786755
JMA Event type ke. SADOGASHIMA IS REG .
ISC V 31 15 26 30.7–1.2 37.23N–.07 137.81E–.09 249–9 30 0-42
IDC V 31 15 26 30.6–1.2 37.25N 137.87E 248–14 3.6,2.7b ¶610685801
JMA V 31 15 26 31.9–.23 37.2N–.80 138E–1.0 241–1 2.8,2.7b
ISC Event type ke.
JMA Event type ke. OFF S NIIGATA PREF .
JMA VI 06 12 00 13.6–.49 37N–4.0 136E–3.0 309 2.8
¶614842009
JMA Event type ke. NW OFF HOKURIKU DISTRICT.

(227) Eastern Honshu.

ISC I 05 05 18 10.5–.89 35.18N–.09 137.57E–.09 300 3.1b 17 1-59
JMA I 05 05 18 09.7–.52 35N–2.0 138E–2.0 300–4 3.0 ¶610236755
IDC I 05 05 18 10.2–.80 35.37N 138.29E 313–10 3.5,2.8b

ISC Event type ke.
JMA Event type ke. NE AICHI PREF .
IDC Error ellipse: s-maj=36.5km s-min=19.0km az=54.0.
JMA I 06 21 00 24.4–.11 39.2N–.40 141.5E–.70 73–0 0.7
¶614098245
JMA Event type ke. SOUTHERN IWATE PREF .
ISC I 11 00 06 06.8–.53 37.44N–.04 140.85E–.05 91–4 4.3b 104 0-148
IDC I 11 00 06 06.8–.58 37.47N 140.97E 90–4 4.1,3.8b ¶610207606
JMA I 11 00 06 07.8–.09 37.5N–.20 140.8E–.40 90–0 4.1,4.1
NEIC I 11 00 06 07.6–1.6 37.45N–.04 140.80E–.07 91–6 4.4b,4.1
NIED I 11 00 06 07.8 37.46N 140.77E 90 4.2W,4.1
ISC Event type ke.
IDC Error ellipse: s-maj=13.1km s-min=9.8km az=134.0.
JMA Event type fe. EASTERN FUKUSHIMA PREF .
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=3.6km az=60.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.74 $M_{\theta\theta}$0.55 $M_{\phi\phi}$-1.29 $M_{r\theta}$-1.02 $M_{\theta\phi}$1.35 $M_{\phi r}$0.48 NP1:ϕ_s295.00000°,δ77.00000°,λ42.00000°. NP2:ϕ_s194.00000° ,δ50.00000°,λ163.00000°. $M_0$2.04000×10^{15}
ISC I 12 23 41 45.8–.00 37.44N–.04 139.70E–.04 3–6 3.6b 27 0-78
IDC I 12 23 41 45.2–.79 37.38N 139.75E 0 3.6L,3.5 ¶610074538
JMA I 12 23 41 45.6–.02 37.44N–.08 139.7E–.10 5–0 3.5,3.5
NIED I 12 23 41 45.6 37.44N 139.70E 5 3.8W,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=24.3km s-min=12.7km az=137.0.
JMA Event type fe. WESTERN FUKUSHIMA PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-3.31 $M_{\theta\theta}$2.03 $M_{\phi\phi}$1.29 $M_{r\theta}$2.11 $M_{\theta\phi}$-2.63 $M_{\phi r}$-2.43 NP1:ϕ_s317.00000°,δ65.00000°,λ-83.00000°. NP2:ϕ_s122.00000° ,δ26.00000°,λ-104.00000°. $M_0$4.99000×10^{14}
JMA I 14 15 19 06.8–.03 37.06N–.09 139.3E–.10 9–0 1.0
¶614106389
JMA Event type ke. WESTERN FUKUSHIMA PREF .
ISC I 15 04 36 34.6–.49 40.20N–.04 140.13E–.05 175–4 4.2b 162 0-147
MOS I 15 04 36 33.8–.97 40.24N 140.10E 178 4.2b ¶610094934
BJI I 15 04 36 33.1–.00 40.25N 140.00E 175 4.7b,4.5b
IDC I 15 04 36 35.3–1.5 40.21N 140.04E 175–14 4.2,3.7b
JMA I 15 04 36 35.6–.12 40.2N–.40 140.2E–.70 174–0 3.9,3.7b
NIED I 15 04 36 35.6 40.20N 140.16E 174 4.1W,3.7b
NEIC I 15 04 36 35.1–1.3 40.26N–.07 140.0E–.10 173–6 4.3b,3.7b
ISC Event type ke.
JMA Event type ke. NORTHERN AKITA PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.45 $M_{\theta\theta}$-0.39 $M_{\phi\phi}$0.83 $M_{r\theta}$-0.66 $M_{\theta\phi}$0.69 $M_{\phi r}$1.03 NP1:ϕ_s163.00000°,δ79.00000°,λ-128.00000°. NP2:ϕ_s60.00000° ,δ39.00000°,λ-17.00000°. $M_0$1.57000×10^{15}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 18 05 56 07.1–.86 36.18N–.05 139.87E–.05 53–7 3.6b 39 0-58
NEIC I 18 05 56 06.9–2.1 36.13N–.06 140.01E–.09 49–9 4.1b ¶610101645
IDC I 18 05 56 07.9–3.5 36.11N 139.81E 61–29 3.4,3.2s
JMA I 18 05 56 07.4–.10 36.1N–.30 139.8E–.30 50–0 3.5,3.2s
NIED I 18 05 56 07.4 36.14N 139.84E 50 3.6W,3.2s
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=6.1km az=125.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=33.6km s-min=27.0km az=67.0.
JMA Event type fe. SW IBARAKI PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}2.38 $M_{\theta\theta}$-1.06 $M_{\phi\phi}$-1.31 $M_{r\theta}$1.49 $M_{\theta\phi}$-1.23 $M_{\phi r}$0.91 NP1:ϕ_s52.00000°,δ63.00000°,λ99.00000°. NP2:ϕ_s213.00000° ,δ28.00000°,λ73.00000°. $M_0$2.97000×10^{14}
ISC I 21 22 33 18.9–.97 36.37N–.09 137.1E–.10 300 3.2b 19 1-68
JMA I 21 22 33 19.4–.33 36N–1.0 137E–2.0 282–2 2.9 ¶610235029
IDC I 21 22 33 20.3–.84 36.37N 137.32E 291–10 3.9,3.1b
ISC Event type ke.
JMA Event type ke. TOYAMA GIFU BORDER REG .
IDC Error ellipse: s-maj=52.1km s-min=18.9km az=87.0.
ISC I 27 02 29 00.2–1.2 35.2N–.10 137.6E–.20 300 3.0b 10 0-59
IDC I 27 02 28 58.9–5.5 34.63N 137.00E 232–116 3.4s,3.4 ¶610235430
JMA I 27 02 29 00.8–.12 35.2N–.80 137E–1.0 287–0 2.5,3.4
ISC Event type ke.
JMA Event type ke. NE AICHI PREF .
ISC I 28 13 40 29.3–.23 39.80N–.03 140.67E–.03 154–1 4.9b 1360 0-160
BGR I 28 13 40 23.7 39.49N 142.71E 150–2 5.1b ¶610147532
BJI I 28 13 40 26.7–.00 39.74N 140.68E 150 4.9b,4.8b
MOS I 28 13 40 27.9–.92 39.81N 140.73E 151 4.9b,4.8b
JMA I 28 13 40 29.6–.14 39.8N–.50 140.8E–.70 151–1 5.0,4.9W
NIED I 28 13 40 29.6 39.76N 140.77E 151 4.9W,4.9W
NEIC I 28 13 40 29.1–1.9 39.78N–.04 140.71E–.09 147–4 4.9,4.9b
IDC I 28 13 40 29.3–.38 39.80N 140.65E 149–3 5.0,4.6b
NEIC I 28 13 40 31.2 39.77N 140.98E 150 5.0,4.6b
GCMT I 28 13 40 31.1–.40 39.82N–.03 140.65E–.03 156–3 4.9W,4.6b
ISC Event type ke. Moment Tensor Solution. NP1:ϕ_s178.09601°,δ47.45162°,λ-81.00892°. NP2: ϕ_s344.92648°,δ43.30988°,λ-99.66261°. Principal axes: T Plg2.0846°,Azm261.7473° ; N Plg6.6113°,Azm351.9890°; P Plg83.0650°,Azm154.3344°
BGR Event type ke.
JMA Event type fe. NORTHERN AKITA PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.03 $M_{\theta\theta}$-0.37 $M_{\phi\phi}$2.39 $M_{r\theta}$0.72 $M_{\theta\phi}$-0.38 $M_{\phi r}$-0.07 NP1:ϕ_s333.00000°,δ51.00000°,λ-117.00000°. NP2:ϕ_s192.00000° ,δ46.00000°,λ-61.00000°. $M_0$2.38000×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution.Duration: 1s3 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.07 $M_{\theta\theta}$-0.47 $M_{\phi\phi}$2.54 $M_{r\theta}$0.60 $M_{\theta\phi}$-0.33 $M_{\phi r}$0.17 NP1:ϕ_s191.93000°,δ49.34000° ,λ-64.40000°. NP2:ϕ_s335.60000°,δ46.83000°,λ-116.70000°. Principal axes: T 2.5762,Plg1.0000°,Azm264.0000°; N -0.2892,Plg19.0000°,Azm355.0000° ; P -2.2870,Plg71.0000°,Azm170.0000° $M_0$2.43000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s21,c23; s102,c136;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.87±.11 $M_{\theta\theta}$0.09±.14; $M_{\phi\phi}$2.78±.12; $M_{r\theta}$1.25±.10; $M_{\theta\phi}$-0.30±.16; $M_{\phi r}$0.07±.12; Best double couple: NP1:ϕ_s335.00000°,δ49.00000°,λ-117.00000°. NP2:ϕ_s193.00000°,δ48.00000°,λ-62.00000°. Principal axes: T 2.8130,Plg1.0000° ,Azm83.0000°; N 0.5160,Plg20.0000°,Azm353.0000°; P -3.3320,Plg70.0000°,Azm175.0000° $M_0$3.07300×10^{16}
JMA II 06 11 57 17.1–.12 36.6N–.20 139.3E–.30 9–1 0.3
¶614127007
JMA Event type ke. TOCHIGI GUNMA BORDER .
ISC II 14 08 41 05.9–1.0 36.4N–.10 137.2E–.10 271 3.1b 13 1-60
JMA II 14 08 41 05.7–.44 36N–1.0 137E–1.0 271–4 2.9 ¶610415498
IDC II 14 08 41 06.2–.83 36.35N 137.38E 276–11 3.6,2.9b
ISC Event type ke.
JMA Event type ke. TOYAMA GIFU BORDER REG .
IDC Error ellipse: s-maj=54.5km s-min=18.7km az=79.0.
ISC II 18 01 06 21.7–.82 36.78N–.06 137.59E–.08 238–7 3.2b 30 1-56
JMA II 18 01 06 21.6–.27 36.7N–.90 138E–1.0 243–2 2.8 ¶610415736
IDC II 18 01 06 21.6–.89 36.84N 137.71E 241–9 3.7,3.1b
ISC Event type ke.
JMA Event type ke. TOYAMA PREF .
IDC Error ellipse: s-maj=48.2km s-min=12.5km az=62.0.
ISC II 23 18 27 17.6–1.0 36.3N–.10 137.1E–.10 265–8 3.0b 15 0-60
IDC II 23 18 27 17.6–.88 36.31N 137.36E 267–12 3.4,2.7b ¶610384890
JMA II 23 18 27 17.9–.49 36N–2.0 137E–1.0 268–4 2.8,2.7b
ISC Event type ke.
JMA Event type ke. NORTHERN GIFU PREF .
ISC II 25 01 18 55.0–.84 36.09N–.04 139.91E–.05 50–7 3.9b 46 0-92
NEIC II 25 01 18 55.0–1.2 36.06N–.07 140.02E–.09 55–8 4.3b ¶610241527
IDC II 25 01 18 55.8–2.2 35.96N 139.80E 58–22 3.9L,3.7
JMA II 25 01 18 55.5–.09 36.1N–.20 139.9E–.30 46–0 3.6,3.7
NIED II 25 01 18 55.5 36.08N 139.89E 46 3.8W,3.7
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=11.4km s-min=8.3km az=129.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=31.1km s-min=12.3km az=68.0.
JMA Event type fe. SW IBARAKI PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}4.58 $M_{\theta\theta}$-2.88 $M_{\phi\phi}$-1.70 $M_{r\theta}$2.00 $M_{\theta\phi}$-2.07 $M_{\phi r}$3.93 NP1:ϕ_s36.00000°,δ67.00000°,λ77.00000°. NP2:ϕ_s246.00000° ,δ26.00000°,λ118.00000°. $M_0$6.29000×10^{14}
ISC II 25 20 11 44.6–.72 36.18N–.04 139.79E–.04 62–6 4.3b 126 0-148
BJI II 25 20 11 43.0–.00 36.20N 139.90E 67 4.8b,4.6b ¶614142703
NEIC II 25 20 11 44.0–1.8 36.18N–.05 139.83E–.06 56–5 4.5b,4.1
NEIC II 25 20 11 44 36.18N 139.83E 56 4.5b,4.1
NIED II 25 20 11 45.1 36.20N 139.80E 56 4.2W,4.1
JMA II 25 20 11 45.1–.09 36.2N–.20 139.8E–.30 56–0 4.2W,4.0
IDC II 25 20 11 45.5–1.1 36.10N 139.60E 70–10 4.0,3.7b
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=8.2km s-min=6.4km az=127.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}0.61 $M_{\theta\theta}$0.46 $M_{\phi\phi}$-1.07 $M_{r\theta}$-0.52 $M_{\theta\phi}$-0.32 $M_{\phi r}$1.20 NP1:ϕ_s340.37000°,δ77.08000°,λ63.45000°. NP2:ϕ_s226.27000°,δ29.32000° ,λ152.84000°. Principal axes: T 1.5720,Plg51.0000°,Azm220.0000°; N 0.1245,Plg26.0000° ,Azm347.0000°; P -1.6965,Plg27.0000°,Azm91.0000° $M_0$1.64000×10^{15}
NEIC Event type se.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}1.57 $M_{\theta\theta}$-0.01 $M_{\phi\phi}$-1.57 $M_{r\theta}$-0.50 $M_{\theta\phi}$-0.28 $M_{\phi r}$1.21 NP1:ϕ_s351.00000°,δ65.00000°,λ73.00000°. NP2:ϕ_s206.00000° ,δ30.00000°,λ121.00000°. $M_0$2.06000×10^{15}
JMA Event type fe. SW IBARAKI PREF .
IDC Error ellipse: s-maj=16.7km s-min=7.4km az=65.0.
JMA III 03 17 47 43.0–.06 36.6N–.30 139.4E–.20 7–0 -0.3
¶614147981
JMA Event type ke. TOCHIGI GUNMA BORDER .
JMA III 10 15 54 07.7–.13 39.7N–.30 141.8E–.60 56–0 0.4
¶614154080
JMA Event type ke. NORTHERN IWATE PREF .
ISC III 14 02 17 28.9–1.2 36.11N–.06 139.12E–.09 125–8 18 0-60
IDC III 14 02 17 28.9–2.5 35.84N 139.16E 110–43 3.7,3.4b ¶610546171
JMA III 14 02 17 29.4–.20 36.1N–.70 139.2E–.80 120–1 3.0,3.4b
ISC Event type ke.
JMA Event type ke. WESTERN SAITAMA PREF .
ISC III 17 07 33 09.6–1.1 39.16N–.05 141.91E–.09 63–7 3.7b 27 0-47
JMA III 17 07 33 10.2–.08 39.1N–.20 141.8E–.40 62–0 3.1 ¶610546366
IDC III 17 07 33 11.7–2.3 39.51N 141.50E 52–21 3.6,3.4b
ISC Event type ke.
JMA Event type fe. SOUTHERN IWATE PREF .
IDC Error ellipse: s-maj=35.8km s-min=12.0km az=120.0.
JMA III 17 13 00 31.1–.09 36.8N–.20 137.9E–.30 9–0 -0.2
¶614159987
JMA Event type ke. NORTHERN NAGANO PREF .
ISC III 23 16 29 53.9–.72 36.01N–.04 139.98E–.05 55–6 4.3b 108 0-75
NEIC III 23 16 29 54.1–1.1 36.05N–.04 139.96E–.07 55–8 4.3b ¶610434449
NIED III 23 16 29 54.3 36.06N 139.94E 45 3.9W
JMA III 23 16 29 54.3–.09 36.1N–.20 139.9E–.30 45–0 3.9
IDC III 23 16 29 55.4–1.6 36.04N 139.82E 67–13 4.0,3.7b
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=8.1km s-min=6.0km az=111.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}2.03 $M_{\theta\theta}$0.74 $M_{\phi\phi}$-2.77 $M_{r\theta}$-1.28 $M_{\theta\phi}$-1.17 $M_{\phi r}$6.42 NP1:ϕ_s350.00000°,δ81.00000°,λ76.00000°. NP2:ϕ_s228.00000° ,δ16.00000°,λ146.00000°. $M_0$7.10000×10^{14}
JMA Event type fe. SW IBARAKI PREF .
IDC Error ellipse: s-maj=16.2km s-min=13.5km az=68.0.
ISC III 23 17 22 10.4–1.0 36.04N–.06 139.95E–.06 50–9 3.5b 20 0-56
IDC III 23 17 22 10.7–3.6 36.05N 140.02E 56–30 3.5,3.2b ¶614165032
JMA III 23 17 22 11.2–.09 36.1N–.20 139.9E–.30 43–0 3.1,3.2b
ISC Event type ke.
JMA Event type fe. SW IBARAKI PREF .
ISC III 25 14 47 26.9–.81 36.61N–.05 139.98E–.07 123–7 3.4b 44 0-79
JMA III 25 14 47 27.8–.13 36.6N–.40 139.9E–.60 119–1 2.9 ¶610543648
IDC III 25 14 47 28.5–1.5 36.60N 139.81E 132–12 3.5,3.1b
ISC Event type ke.
JMA Event type ke. SOUTHERN TOCHIGI PREF .
IDC Error ellipse: s-maj=23.3km s-min=18.6km az=84.0.
JMA IV 02 18 16 26.8–.14 37.8N–.30 140.0E–.30 9–1 -0.2
¶614786752
JMA Event type ke. SOUTHERN YAMAGATA PREF .
JMA IV 02 20 05 03.4–.08 39.1N–.20 140.9E–.30 10–1 0.7
¶614786813
JMA Event type ke. SOUTHERN IWATE PREF .
ISC IV 02 20 06 08.1–.64 37.95N–.04 140.52E–.04 115–5 3.5b 61 0-90
JMA IV 02 20 06 08.0–.09 37.9N–.30 140.5E–.40 113–0 3.5 ¶610630661
NIED IV 02 20 06 08.0 37.92N 140.52E 113 3.6W
IDC IV 02 20 06 10.0–1.4 37.88N 140.34E 135–15 3.7,3.3b
ISC Event type ke.
JMA Event type ke. SOUTHERN MIYAGI PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}2.08 $M_{\theta\theta}$1.37 $M_{\phi\phi}$-3.45 $M_{r\theta}$0.71 $M_{\theta\phi}$-0.79 $M_{\phi r}$-1.28 NP1:ϕ_s162.00000°,δ64.00000°,λ54.00000°. NP2:ϕ_s41.00000° ,δ44.00000°,λ140.00000°. $M_0$3.34000×10^{14}
IDC Error ellipse: s-maj=18.5km s-min=15.4km az=109.0.
ISC IV 06 10 05 07.2–1.2 36.81N–.03 138.73E–.03 1–8 3.7b,3.5s 35 0-97
IDC IV 06 10 05 06.5–.72 36.74N 138.70E 0 3.8,3.8b ¶610518278
NIED IV 06 10 05 07.2 36.83N 138.73E 5 4.0W,3.8b
JMA IV 06 10 05 07.2–.08 36.8N–.30 138.7E–.30 5–2 3.8,3.8b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.27 $M_{\theta\theta}$0.47 $M_{\phi\phi}$-0.74 $M_{r\theta}$0.52 $M_{\theta\phi}$-0.86 $M_{\phi r}$-0.15 NP1:ϕ_s68.00000°,δ73.00000°,λ155.00000°. NP2:ϕ_s166.00000° ,δ66.00000°,λ19.00000°. $M_0$1.20000×10^{15}
JMA Event type fe. MID NIIGATA PREF .
ISC IV 06 10 52 28.5–1.2 36.84N–.03 138.71E–.03 1–12 27 0-51
IDC IV 06 10 52 27.4–1.7 36.85N 138.72E 0 3.5,3.5b ¶614789582
JMA IV 06 10 52 28.6–.07 36.8N–.30 138.7E–.30 5–2 3.6,3.5b
NIED IV 06 10 52 28.6 36.83N 138.72E 5 3.8W,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=18.7km s-min=11.1km az=132.0.
JMA Event type fe. MID NIIGATA PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}1.91 $M_{\theta\theta}$2.96 $M_{\phi\phi}$-4.87 $M_{r\theta}$2.51 $M_{\theta\phi}$-4.00 $M_{\phi r}$-1.83 NP1:ϕ_s163.00000°,δ71.00000°,λ28.00000°. NP2:ϕ_s63.00000° ,δ63.00000°,λ159.00000°. $M_0$6.62000×10^{14}
JMA IV 06 16 51 21.9–.13 35.9N–.60 137.7E–.30 10–1 0.1
¶614789828
JMA Event type ke. WESTERN NAGANO PREF .
ISC IV 14 14 01 21.0–1.1 36.83N–.03 138.71E–.03 3–7 4.3b,3.4s 194 0-92
IDC IV 14 14 01 20.2–.59 36.87N 138.68E 0 3.9,3.9b ¶616498886
NIED IV 14 14 01 20.9 36.82N 138.73E 5 4.2W,3.9b
JMA IV 14 14 01 20.9–.07 36.8N–.30 138.7E–.30 5–2 3.9,3.9b
NEIC IV 14 14 01 22.8–1.9 36.86N–.04 138.57E–.06 10–1 4.5b,3.9b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.95 $M_{\theta\theta}$0.76 $M_{\phi\phi}$-1.70 $M_{r\theta}$0.45 $M_{\theta\phi}$-1.33 $M_{\phi r}$-1.06 NP1:ϕ_s167.00000°,δ73.00000°,λ41.00000°. NP2:ϕ_s63.00000° ,δ51.00000°,λ158.00000°. $M_0$2.27000×10^{15}
JMA Event type fe. MID NIIGATA PREF .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 14 15 36 16.2–.93 36.84N–.03 138.70E–.04 10 21 0-4
JMA IV 14 15 36 16.1–.08 36.8N–.30 138.7E–.30 4–2 3.2 ¶614795793
ISC Event type ke.
JMA Event type fe. MID NIIGATA PREF .
JMA IV 14 15 46 11.4–.05 36.8N–.20 138.7E–.20 6–1 1.0
¶610652738
JMA Event type ke. MID NIIGATA PREF .

JMA IV 23 06 39 01.3–.04 36.9N–.10 139.4E–.20 5–0 ¶614802602
JMA Event type ke. NORTHERN TOCHIGI PREF .
JMA IV 29 20 24 01.9–.19 35.9N–.30 138.0E–.40 12–1 0.1 ¶614808078
JMA Event type ke. AKAISHI MOUNTAINS REG .
JMA V 01 14 27 02.3–.14 39.7N–.30 141.8E–.60 56–1 0.1 ¶614809888
JMA Event type ke. NORTHERN IWATE PREF .
ISC V 03 06 08 16.4–.75 36.86N–.05 137.78E–.07 233–6 3.6b 34 0-73
IDC V 03 06 08 16.4–.67 36.93N 137.80E 230–6 4.0,3.4b ¶610689445
JMA V 03 06 08 16.3–.26 36.9N–1.0 138E–1.0 238–2 3.2,3.4b
ISC Event type ke.
JMA Event type ke. SW NIIGATA PREF .
ISC V 03 21 20 18.4–.93 37.04N–.04 140.63E–.04 9–6 28 0-57
IDC V 03 21 20 16.5–1.9 37.00N 140.73E 0 3.5,3.5b ¶610669465
NIED V 03 21 20 19.2 37.05N 140.59E 6 3.4W,3.5b
JMA V 03 21 20 19.2–.03 37.1N–.10 140.6E–.20 6–0 3.5,3.5b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-1.19 $M_{\theta\theta}$-0.10 $M_{\phi\phi}$1.29 $M_{r\theta}$-0.38 $M_{\theta\phi}$-0.27 $M_{\phi r}$0.61 NP1:ϕ_s158.00000°,δ60.00000°,λ-102.00000°. NP2:ϕ_s2.00000°,δ32.00000°,λ-70.00000°. $M_0$1.46000$\times10^{14}$
JMA Event type fe. MID FUKUSHIMA PREF .
JMA V 05 05 17 07.1–.08 35.5N–.20 139.0E–.20 26–0 0.4 ¶614813535
JMA Event type ke. EASTERN YAMANASHI PREF .
ISC V 06 08 18 54.4–.66 39.74N–.03 141.92E–.05 59–5 4.1b,3.3s 73 0-88
MOS V 06 08 18 53.6–1.4 39.76N 141.86E 67 4.6b,3.3s ¶610669480
JMA V 06 08 18 54.5–.08 39.8N–.20 141.8E–.40 60–0 4.1,3.9
NIED V 06 08 18 54.5 39.76N 141.84E 60 4.1W,3.9
IDC V 06 08 18 55.1–1.6 39.70N 141.87E 69–14 4.1,3.7b
ISC Event type ke.
MOS Error ellipse: s-maj=11.2km s-min=6.6km az=81.9.
JMA Event type fe. NORTHERN IWATE PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}1.05 $M_{\theta\theta}$-0.23 $M_{\phi\phi}$-0.82 $M_{r\theta}$0.43 $M_{\theta\phi}$-0.22 $M_{\phi r}$1.18 NP1:ϕ_s20.00000°,δ71.00000°,λ91.00000°. NP2:ϕ_s197.00000°,δ19.00000°,λ88.00000°. $M_0$1.59000$\times10^{15}$
IDC Error ellipse: s-maj=18.0km s-min=10.9km az=102.0.
JMA V 07 03 32 37.7–.06 36.2N–.10 138.0E–.20 9–0 3.8
NIED V 07 03 32 37.7 36.16N 138.03E 9 3.8W ¶616639104
JMA Event type fe. CENTRAL NAGANO PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}0.40 $M_{\theta\theta}$2.46 $M_{\phi\phi}$-2.86 $M_{r\theta}$0.13 $M_{\theta\phi}$-3.26 $M_{\phi r}$-3.36 NP1:ϕ_s342.00000°,δ89.00000°,λ-37.00000°. NP2:ϕ_s73.00000°,δ53.00000°,λ-179.00000°. $M_0$5.31000$\times10^{14}$
JMA V 09 19 13 19.2–.17 36.3N–.80 139.2E–.60 7–1 ¶614817738
JMA Event type ke. SE GUNMA PREF .
ISC V 20 19 39 50.6–.82 36.20N–.05 139.54E–.07 140–6 3.4b 40 0-69
IDC V 20 19 39 49.5–1.2 36.26N 139.74E 131–8 3.7,3.2b ¶610685044
JMA V 20 19 39 52.1–.16 36.2N–.60 139.5E–.80 133–1 3.4,3.2b
ISC Event type ke.
JMA Event type ke. EASTERN SAITAMA PREF .
ISC V 27 11 59 39.1–1.1 36.71N–.03 138.54E–.04 1–6 4.5b,3.6s 159 0-153
BJI V 27 11 59 34.1–.00 36.74N 139.08E 8 4.6b,4.4b ¶616913565
MOS V 27 11 59 37.5–.96 36.51N 138.51E 10 4.6b,4.4b
IDC V 27 11 59 38.5–.56 36.48N 138.64E 0 4.0b,3.9
NIED V 27 11 59 38.9 36.74N 138.53E 0 4.5W,3.9
JMA V 27 11 59 38.9–.07 36.7N–.30 138.5E–.30 0 4.4W,4.4
NEIC V 27 11 59 40.0–.98 36.83N–.04 138.38E–.06 2–3 4.6b,4.4
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.69 $M_{\theta\theta}$2.20 $M_{\phi\phi}$-2.90 $M_{r\theta}$-0.89 $M_{\theta\phi}$-4.82 $M_{\phi r}$-2.77 NP1:ϕ_s345.00000°,δ83.00000°,λ-22.00000°. NP2:ϕ_s78.00000°,δ68.00000°,λ-172.00000°. $M_0$6.04000$\times10^{15}$
JMA Event type fe. NORTHERN NAGANO PREF .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 27 13 07 26.4–.94 36.71N–.06 138.53E–.04 10 13 0-56
IDC V 27 13 07 25.6–1.5 36.73N 138.50E 0 3.5b,3.4 ¶610685498
JMA V 27 13 07 25.3–.07 36.7N–.30 138.5E–.30 0 3.0,3.4
ISC Event type ke.
JMA Event type fe. NORTHERN NAGANO PREF .
ISC VI 02 09 08 41.5–.68 36.66N–.05 137.36E–.07 238–6 3.4b 49 0-78
JMA VI 02 09 08 41.4–.17 36.6N–.70 137.5E–.90 241–1 3.1 ¶610791086
IDC VI 02 09 08 41.3–.58 36.65N 137.31E 235–6 3.8,3.2b
ISC Event type ke.
JMA Event type ke. TOYAMA PREF .
IDC Error ellipse: s-maj=18.7km s-min=11.5km az=78.0.
ISC VI 05 06 40 17.7–.97 36.64N–.03 139.42E–.04 13–7 3.6b 20 0-60
IDC VI 05 06 40 15.1–1.5 36.78N 139.48E 0 3.7,3.6b ¶610661468
JMA VI 05 06 40 17.9–.02 36.65N–.07 139.4E–.10 5–0 3.4,3.6b
ISC Event type ke.
JMA Event type fe. TOCHIGI GUNMA BORDER .
ISC VI 09 21 34 27.6–1.3 36.16N–.08 137.76E–.08 223–8 21 1-60
IDC VI 09 21 34 16.2–3.7 34.27N 137.07E 0 3.7b,3.5 ¶610791556
JMA VI 09 21 34 27.8–.20 36.1N–.90 138E–1.0 222–1 2.4,3.5
ISC Event type ke.
JMA Event type ke. CENTRAL NAGANO PREF .
ISC VI 12 09 34 10.0–.96 35.58N–.04 138.97E–.05 16–10 17 0-3
JMA VI 12 09 34 09.5–.08 35.6N–.20 139.0E–.20 24–0 3.1 ¶612490014
ISC Event type ke.
JMA Event type fe. EASTERN YAMANASHI PREF .
JMA VI 12 12 40 11.2–.08 36.4N–.20 138.1E–.20 6–1 -0.1 ¶614847701
JMA Event type ke. NEAR MATSUSHIRO .
ISC VI 18 20 51 29.6–.58 37.10N–.03 140.61E–.03 17–3 4.5b,3.1s 372 0-147
IDC VI 18 20 51 27.7–.52 37.10N 140.46E 0 4.4b,4.3 ¶610681610
MOS VI 18 20 51 27.3–.97 37.14N 140.52E 10 4.7b,4.3
NEIC VI 18 20 51 28.6–2.3 37.08N–.02 140.64E–.08 10–1 4.5b,4.3
JMA VI 18 20 51 29.3–.03 37.1N–.10 140.6E–.20 6–0 4.5,4.3W
NIED VI 18 20 51 29.3 37.09N 140.60E 6 4.2W,4.3W
BJI VI 18 20 51 31.1–.00 37.11N 140.63E 41 4.7b,4.3b
ISC Event type ke.
IDC Error ellipse: s-maj=14.9km s-min=11.8km az=89.0.
MOS Error ellipse: s-maj=9.3km s-min=5.7km az=96.7.
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=3.0km az=96.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. EASTERN FUKUSHIMA PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-1.96 $M_{\theta\theta}$1.05 $M_{\phi\phi}$0.91 $M_{r\theta}$-0.52 $M_{\theta\phi}$-0.84 $M_{\phi r}$0.82 NP1:ϕ_s139.00000°,δ58.00000°,λ-84.00000°. NP2:ϕ_s307.00000°,δ32.00000°,λ-100.00000°. $M_0$2.12000$\times10^{15}$
ISC VI 22 23 59 00.8–.70 39.33N–.04 141.96E–.05 54–6 4.5b,4.0s 200 0-95
NIED VI 22 23 59 00.4 39.34N 142.06E 48 4.8W,4.0s ¶610693783
NEIC VI 22 23 59 00–1.5 39.26N–.05 141.8E–.10 40–5 4.5,4.5b
JMA VI 22 23 59 00.4–.09 39.3N–.20 142.1E–.60 48–0 4.8W,4.5
GCMT VI 22 23 59 02.0–.40 39.47N–.02 142.19E–.04 48–1 5.0W,4.5
NEIC VI 22 23 59 02.4 39.35N 141.81E 58 5.0W,4.5
IDC VI 22 23 59 02.2–1.8 39.38N 141.97E 66–15 4.2,3.9s
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}1.13 $M_{\theta\theta}$-0.21 $M_{\phi\phi}$-0.92 $M_{r\theta}$0.61 $M_{\theta\phi}$-0.20 $M_{\phi r}$1.30 NP1:ϕ_s23.00000°,δ72.00000°,λ94.00000°. NP2:ϕ_s189.00000°,δ19.00000°,λ77.00000°. $M_0$1.78000$\times10^{16}$
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=7.0km az=110.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-5.93 $M_{\theta\theta}$-0.10 $M_{\phi\phi}$6.03 $M_{r\theta}$0.71 $M_{\theta\phi}$2.02 $M_{\phi r}$0.09 NP1:ϕ_s9.74000°,δ44.12000°,λ-100.06000°. NP2:ϕ_s203.62000°,δ46.73000°,λ-80.39000°. Principal axes: T 6.6430,Plg1.0000°,Azm287.0000°; N -0.6282,Plg7.0000°,Azm17.0000°; P -6.0148,Plg83.0000°,Azm186.0000° $M_0$6.35000$\times10^{15}$
JMA Event type fe. E OFF IWATE PREF .
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s40,c46; s82,c110;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.29±.18 $M_{\theta\theta}$-0.84±.12; $M_{\phi\phi}$-2.45±.11; $M_{r\theta}$0.96±.08; $M_{\theta\phi}$-0.51±.09; $M_{\phi r}$1.29±.08; Best double couple: NP1:ϕ_s25.00000°,δ59.00000°,λ97.00000°. NP2:ϕ_s191.00000°,δ32.00000°,λ78.00000°. Principal axes: T 3.7200,Plg75.0000°,Azm314.0000°; N -0.7580,Plg6.0000°,Azm201.0000°; P -2.9660,Plg14.0000°,Azm110.0000° $M_0$3.34300$\times10^{16}$
NEIC Event type se.
IDC Error ellipse: s-maj=14.8km s-min=10.4km az=120.0.
JMA VI 24 16 27 54.9–.03 35.8N–.10 137.5E–.10 7–1 ¶614858294
JMA Event type ke. WESTERN NAGANO PREF .
ISC VI 24 22 02 16.7–.39 35.83N–.02 137.64E–.02 12–2 5.5b,4.8s 1845 0-165
BJI VI 24 22 02 08.8–.00 35.61N 138.30E 10 5.3b,5.3s ¶617195267
MOS VI 24 22 02 14.4–.95 35.84N 137.60E 10 5.6b,4.8s
IDC VI 24 22 02 14.8–.35 35.85N 137.61E 0 5.2,5.2b
BGR VI 24 22 02 14.8 36.00N 139.44E 33 5.5b,4.9s
JMA VI 24 22 02 15.4–.02 35.87N–.09 137.6E–.10 7–0 5.6,5.2W
NIED VI 24 22 02 15.4 35.87N 137.59E 7 5.2W,5.2W
NEIC VI 24 22 02 17.0–1.3 35.86N–.04 137.57E–.06 10–1 5.5b,5.2
NEIC VI 24 22 02 16.8 35.80N 137.64E 12 5.5b,5.2
NEIC VI 24 22 02 16.9 35.86N 137.57E 10 5.5b,5.2
NEIC VI 24 22 02 16.8 35.50N 137.76E 12 5.5b,5.2
GCMT VI 24 22 02 18.0–.10 35.93N–.01 137.51E–.01 12 5.3W,5.2
ISC Event type ke.
BGR Event type ke.
JMA Event type fe. WESTERN NAGANO PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}6.07 $M_{\theta\theta}$-0.55 $M_{\phi\phi}$-5.53 $M_{r\theta}$-0.57 $M_{\theta\phi}$-3.13 $M_{\phi r}$1.94 NP1:ϕ_s13.00000°,δ53.00000°,λ73.00000°. NP2:ϕ_s219.00000°,δ40.00000°,λ111.00000°. $M_0$6.89000$\times10^{16}$
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}5.17 $M_{\theta\theta}$-0.12 $M_{\phi\phi}$-5.06 $M_{r\theta}$0.90 $M_{\theta\phi}$-2.77 $M_{\phi r}$1.81 NP1:ϕ_s202.97000°,δ35.28000°,λ88.21000°. NP2:ϕ_s25.16000°,δ54.73000°,λ91.26000°. Principal axes: T 5.5206,Plg80.0000°,Azm300.0000°; N 1.1258,Plg1.0000°,Azm204.0000°; P -6.6464,Plg10.0000°,Azm114.0000° $M_0$6.16000$\times10^{16}$
NEIC Event type se.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2s0 Moment tensor: Scale 10^{16}Nm; M_{rr}6.42 $M_{\theta\theta}$0.17 $M_{\phi\phi}$-6.59 $M_{r\theta}$2.95 $M_{\theta\phi}$-3.78 $M_{\phi r}$0.58 NP1:ϕ_s45.00000°,δ55.75000°,λ117.58000°. NP2:ϕ_s182.13000°,δ42.89000°,λ55.78000°. Principal axes: T 7.6484,Plg66.0000°,Azm10.0000°; N 0.8420,Plg23.0000°,Azm209.0000°; P -8.4904,Plg7.0000°,Azm116.0000° $M_0$8.07000$\times10^{16}$
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s97,c150; s134,c268;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}0.82±.01 $M_{\theta\theta}$-0.10±.01; $M_{\phi\phi}$-0.72±.01; $M_{r\theta}$-0.32±.04; $M_{\theta\phi}$-0.48±.01; $M_{\phi r}$-0.48±.04; Best double couple: NP1:ϕ_s212.00000°,δ61.00000°,λ94.00000°. NP2:ϕ_s24.00000°,δ29.00000°,λ83.00000°. Principal axes: T 0.9950,Plg73.0000°,Azm132.0000°; N 0.1610,Plg3.0000°,Azm30.0000°; P -1.1550,Plg16.0000°,Azm299.0000° $M_0$1.07500$\times10^{17}$
ISC VI 25 00 24 06.0–.66 35.85N–.02 137.60E–.03 8–4 4.4b,3.5s 192 0-93
IDC VI 25 00 24 04.5–.59 35.82N 137.57E 0 4.0,4.0b ¶610694620
MOS VI 25 00 24 04.7–.95 35.81N 137.54E 13 4.5b,4.0b
NEIC VI 25 00 24 05.6–1.2 35.84N–.02 137.60E–.05 4–4 4.5b,4.1
NIED VI 25 00 24 05.5 35.86N 137.57E 6 4.2W,4.1
NEIC VI 25 00 24 05.6 35.84N 137.60E 4 4.2W,4.1
JMA VI 25 00 24 05.5–.02 35.86N–.08 137.57E–.09 6–0 4.5,4.3
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}1.23 $M_{\theta\theta}$-0.49 $M_{\phi\phi}$-0.74 $M_{r\theta}$0.16 $M_{\theta\phi}$-1.21 $M_{\phi r}$1.27 NP1:ϕ_s16.99000°,δ67.57000°,λ62.68000°. NP2:ϕ_s250.54000°,δ34.79000°,λ138.03000°. Principal axes: T 1.9305,Plg58.0000°,Azm249.0000°; N 0.2430,Plg25.0000°,Azm28.0000°; P -2.1736,Plg18.0000°,Azm127.0000° $M_0$2.06000$\times10^{15}$
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}1.52 $M_{\theta\theta}$-0.98 $M_{\phi\phi}$-0.54 $M_{r\theta}$-0.72 $M_{\theta\phi}$-1.45 $M_{\phi r}$0.97 NP1:ϕ_s19.00000°,δ56.00000°,λ45.00000°. NP2:ϕ_s259.00000°,δ54.00000°,λ136.00000°. $M_0$2.31000$\times10^{15}$
NEIC Event type se.
JMA Event type fe. WESTERN NAGANO PREF .
ISC VI 25 00 48 42.7–1.0 35.84N–.03 137.57E–.03 9–10 28 0-59
IDC VI 25 00 48 41.4–1.1 35.82N 137.58E 0 3.5,3.5b ¶617195283
NIED VI 25 00 48 42.8 35.86N 137.57E 6 3.6W,3.5b
JMA VI 25 00 48 42.8–.02 35.86N–.07 137.57E–.08 6–0 3.5,3.5b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}2.54 $M_{\theta\theta}$-0.54 $M_{\phi\phi}$-2.00 $M_{r\theta}$-0.60 $M_{\theta\phi}$-1.13 $M_{\phi r}$1.52 NP1:ϕ_s7.00000°,δ60.00000°,λ67.00000°. NP2:ϕ_s227.00000°,δ37.00000°,λ124.00000°. $M_0$3.04000$\times10^{14}$
JMA Event type fe. WESTERN NAGANO PREF .
ISC VI 25 06 16 51.4–.87 35.86N–.03 137.56E–.04 22–7 19 0-59
IDC VI 25 06 16 47.5–1.9 35.97N 137.22E 0 3.7s,3.2 ¶617196349
JMA VI 25 06 16 52.2–.02 35.86N–.07 137.58E–.07 7–0 3.4,3.2
ISC Event type ke.
JMA Event type ke. WESTERN NAGANO PREF .
ISC VI 25 06 17 15.7–.61 35.83N–.03 137.63E–.02 12–3 4.7b,3.9s 503 0-150
IDC VI 25 06 17 13.0–.57 35.87N 137.53E 0 4.3,4.3b ¶617195288
MOS VI 25 06 17 13.0–.87 35.75N 137.62E 12 4.8b,4.3b
JMA VI 25 06 17 14.6–.02 35.86N–.07 137.58E–.07 7–0 4.7,4.5W
NIED VI 25 06 17 14.6 35.86N 137.58E 7 4.5W,4.5W
NEIC VI 25 06 17 14.8–1.6 35.69N–.04 137.70E–.07 10–1 4.7b,4.5W
BGR VI 25 06 17 14.9 35.78N 139.56E 33 4.9b,4.5W
ISC Event type ke.
IDC Error ellipse: s-maj=15.1km s-min=8.3km az=140.0.
MOS Error ellipse: s-maj=7.5km s-min=5.3km az=104.5.
JMA Event type fe. WESTERN NAGANO PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}5.12 $M_{\theta\theta}$0.33 $M_{\phi\phi}$-5.44 $M_{r\theta}$1.22 $M_{\theta\phi}$-1.34 $M_{\phi r}$2.29 NP1:ϕ_s20.00000°,δ58.00000°,λ98.00000°. NP2:ϕ_s184.00000°,δ33.00000°,λ77.00000°. $M_0$6.02000$\times10^{15}$
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=7.2km az=88.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BGR Event type ke.
ISC VI 25 14 13 48.7–1.2 35.87N–.03 137.60E–.03 1–12 19 0-59
IDC VI 25 14 13 48.5–1.2 35.88N 137.62E 0 3.2,3.2b ¶617195295
NIED VI 25 14 13 48.6 35.87N 137.58E 6 3.5W,3.2b
JMA VI 25 14 13 48.6–.02 35.87N–.08 137.58E–.09 6–0 3.6,3.2b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}0.55 $M_{\theta\theta}$0.75 $M_{\phi\phi}$-1.30 $M_{r\theta}$0.64 $M_{\theta\phi}$-1.21 $M_{\phi r}$0.44 NP1:ϕ_s66.00000°,δ83.00000°,λ151.00000°. NP2:ϕ_s160.00000°,δ61.00000°,λ8.00000°. $M_0$1.77000$\times10^{14}$
JMA Event type fe. WESTERN NAGANO PREF .
ISC VI 25 14 29 21.0–1.2 35.87N–.03 137.60E–.03 2–12 18 0-59
IDC VI 25 14 29 20.4–1.2 35.84N 137.67E 0 3.2,3.2b ¶610694742
NIED VI 25 14 29 20.7 35.87N 137.58E 6 3.5W,3.2b
JMA VI 25 14 29 20.7–.02 35.87N–.08 137.58E–.08 6–0 3.6,3.2b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}0.48 $M_{\theta\theta}$0.83 $M_{\phi\phi}$-1.32 $M_{r\theta}$0.64 $M_{\theta\phi}$-1.23 $M_{\phi r}$0.47 NP1:ϕ_s67.00000°,δ85.00000°,λ152.00000°. NP2:ϕ_s159.00000°,δ62.00000°,λ6.00000°. $M_0$1.81000$\times10^{14}$
JMA Event type fe. WESTERN NAGANO PREF .
JMA VI 25 14 32 33.4–.04 35.9N–.20 137.6E–.20 6–1 0.1 ¶614861828
JMA Event type ke. WESTERN NAGANO PREF .
JMA VI 25 14 32 41.6–.03 35.8N–.10 137.6E–.10 6–0 0.6 ¶614861831
JMA Event type ke. WESTERN NAGANO PREF .
ISC VI 25 15 38 54.2–1.4 35.81N–.05 137.64E–.03 2–13 27 0-59
IDC VI 25 15 38 53.7–4.7 37.06N 137.46E 63–19 3.3,3.0b ¶617195296
NIED VI 25 15 38 55.3 35.87N 137.57E 5 3.4W,3.0b
JMA VI 25 15 38 55.3–.02 35.87N–.07 137.57E–.08 5–0 3.5,3.0b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}0.47 $M_{\theta\theta}$0.63 $M_{\phi\phi}$-1.11 $M_{r\theta}$0.25 $M_{\theta\phi}$-0.97 $M_{\phi r}$0.40 NP1:ϕ_s249.00000°,δ87.00000°,λ-166.00000°. NP2:ϕ_s158.00000°

,δ76.00000°,λ-4.00000°. M0 1.36000×10^{14}
JMA Event type ke. WESTERN NAGANO PREF .
ISC VI 26 17 09 44.1–1.5 35.85N–.04 137.64E–.08 5–13 15 0-59
IDC VI 26 17 09 43.6–1.2 35.70N 138.01E 0 3.5s,3.3 ¶617195300
JMA VI 26 17 09 44.7–.02 35.86N–.08 137.56E–.08 5–0 3.3,3.3
ISC Event type fe.
JMA Event type ke. WESTERN NAGANO PREF .
JMA VI 27 10 18 28.7–.09 35.9N–.50 137.6E–.40 5–1 -0.3 ¶614864942
JMA Event type ke. WESTERN NAGANO PREF .
JMA VI 27 10 18 33.6–.14 35.9N–.50 137.6E–.50 8–1 0.2 ¶614864945
JMA Event type ke. WESTERN NAGANO PREF .
JMA VI 28 09 23 28.7–.02 35.86N–.08 137.56E–.08 5–0 3.5
NIED VI 28 09 23 28.7 35.86N 137.56E 5 3.4W ¶610764505
JMA Event type fe. WESTERN NAGANO PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; Mrr0.06 Mθθ0.43 Mϕϕ-0.50 Mrθ0.35 Mθϕ-1.12 Mϕr0.08 NP1:ϕs78.00000°,δ89.00000°,λ164.00000°. NP2:ϕs169.00000° ,δ74.00000°,λ1.00000°. M0 1.26000×10^{14}
JMA VI 28 12 07 04.9–.04 37.7N–.20 140.0E–.20 4–1 1.1 ¶617195814
JMA Event type ke. WESTERN FUKUSHIMA PREF .
JMA VI 28 15 44 03.3–.03 40.1N–.10 140.6E–.20 6–1 0.8 ¶614866990
JMA Event type ke. NORTHERN AKITA PREF .
JMA VI 29 10 39 27.3–.02 35.9N–.10 137.6E–.10 6–0 0.4 ¶614867971
JMA Event type ke. WESTERN NAGANO PREF .
JMA VI 29 17 20 04.1–.06 40.1N–.20 140.6E–.20 5–2 0.3 ¶614868423
JMA Event type ke. NORTHERN AKITA PREF .

(228) Near east coast of eastern Honshu.

ISC I 01 05 38 15.4–1.6 37.39N–.04 141.69E–.05 3–10 3.6b 48 1-147
IDC I 01 05 38 15.1–.84 37.41N 141.87E 0 3.7,3.7b ¶614088402
NIED I 01 05 38 17.2 37.42N 141.67E 23 3.7W,3.7b
JMA I 01 05 38 17.2–.14 37.4N–.30 141.7E–.60 23–1 3.9,3.7b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; Mrr-3.73 Mθθ1.80 Mϕϕ1.92 Mrθ-0.63 Mθϕ2.02 Mϕr-0.12 NP1:ϕs50.00000°,δ49.00000°,λ-82.00000°. NP2:ϕs218.00000° ,δ41.00000°,λ-99.00000°. M0 3.86000×10^{14}
JMA Event type ke. E OFF FUKUSHIMA PREF .
JMA I 01 06 43 10.2–.16 35.9N–.40 140.9E–.70 15–1 0.7 ¶614088484
JMA Event type ke. NEAR CHOSHI CITY .
ISC I 01 14 55 07.0–.98 40.90N–.03 142.04E–.05 56–9 3.6b 38 1-147
JMA I 01 14 55 06.7–.11 40.9N–.30 142.1E–.80 51–2 3.7 ¶610236395
IDC I 01 14 55 07.8–2.2 40.91N 142.20E 71–23 3.7,3.5b
ISC Event type ke.
JMA Event type fe. E OFF AOMORI PREF .
IDC Error ellipse: s-maj=37.0km s-min=15.3km az=88.0.
JMA I 02 16 10 22.9–.19 37.4N–.70 141.6E–.90 35–2 0.9 ¶613385389
JMA Event type ke. E OFF FUKUSHIMA PREF .
ISC I 02 16 10 59.2–.47 38.89N–.04 142.71E–.05 41–3 4.4b 141 1-136
BJI I 02 16 10 57.0–.00 38.90N 142.80E 47 4.4b,4.3s ¶614091777
NEIC I 02 16 10 59.1–2.9 38.87N–.01 142.8E–.10 35–8 4.6b,4.3s
NIED I 02 16 11 00.9 38.96N 142.55E 53 4.3W,4.3s
JMA I 02 16 11 00.9–.12 39.0N–.30 142.6E–.80 53–1 4.8,4.4
IDC I 02 16 11 01.3–.50 38.91N 142.61E 55–4 4.1,3.7b
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=2.1km az=89.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; Mrr-0.53 Mθθ2.66 Mϕϕ-2.13 Mrθ-0.24 Mθϕ-0.86 Mϕr1.50 NP1:ϕs141.00000°,δ76.00000°,λ-28.00000°. NP2:ϕs239.00000° ,δ62.00000°,λ-165.00000°. M0 2.99000×10^{15}
JMA Event type fe. E OFF MIYAGI PREF .
IDC Error ellipse: s-maj=13.3km s-min=8.6km az=125.0.
JMA I 02 18 35 57.1–.07 36.7N–.10 140.7E–.30 4–0 0.2 ¶614091962
JMA Event type ke. NORTHERN IBARAKI PREF .
ISC I 02 18 48 40.8–1.1 36.83N–.05 140.60E–.05 11–10 3.5b 20 0-60
IDC I 02 18 48 39.4–1.7 36.84N 140.69E 0 3.3,3.3b ¶610236501
JMA I 02 18 48 41.5–.03 36.8N–.10 140.6E–.20 6–0 3.0,3.3b
ISC Event type ke.
JMA Event type ke. NORTHERN IBARAKI PREF .
ISC I 03 01 33 48.1–3.3 37.21N–.06 141.6E–.10 16–18 3.4b 17 1-147
IDC I 03 01 33 45.7–2.3 37.19N 141.76E 0 3.4s,3.3b ¶610236524
JMA I 03 01 33 49.1–.19 37.2N–.40 142E–1.0 35–1 3.2,3.3b
ISC Event type ke.
JMA Event type ke. E OFF FUKUSHIMA PREF .
ISC I 03 11 53 45.9–2.0 38.71N–.05 142.47E–.07 17–12 3.5b 32 1-88
JMA I 03 11 53 49.6–.11 38.7N–.20 142.3E–.70 38–1 4.0,3.8 ¶610236559
IDC I 03 11 53 50.3–2.7 38.71N 142.53E 53–24 3.7,3.2b
ISC Event type ke.
JMA Event type ke. E OFF MIYAGI PREF .
IDC Error ellipse: s-maj=26.4km s-min=16.9km az=103.0.
ISC I 03 12 13 42.2–.53 38.64N–.04 142.42E–.05 24 4.1b,3.4s 102 1-89
BJI I 03 12 13 40.7–.00 38.61N 142.67E 32 4.8b,4.5b ¶614093137
NEIC I 03 12 13 43.2–1.7 38.61N–.06 142.52E–.10 35–2 4.4b,4.5b
NIED I 03 12 13 44.5 38.70N 142.25E 39 4.1W,4.5b
JMA I 03 12 13 44.5–.12 38.7N–.30 142.3E–.70 39–1 4.7,4.2
IDC I 03 12 13 45.3–1.9 38.66N 142.17E 45–19 3.9,3.6b
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=13.5km s-min=8.8km az=112.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; Mrr-0.20 Mθθ0.16 Mϕϕ0.04 Mrθ1.13 Mθϕ0.01 Mϕr1.25 NP1:ϕs222.00000°,δ87.00000°,λ-92.00000°. NP2:ϕs80.00000° ,δ3.00000°,λ-52.00000°. M0 1.70000×10^{15}
JMA Event type fe. E OFF MIYAGI PREF .
IDC Error ellipse: s-maj=18.0km s-min=13.4km az=106.0.
JMA I 03 12 13 49.6–.05 36.7N–.10 140.6E–.20 9–0 0.2 ¶614093139
JMA Event type ke. NORTHERN IBARAKI PREF .
ISC I 03 12 23 33.6–1.7 38.70N–.05 142.29E–.07 29–12 3.5b 29 1-89
NIED I 03 12 23 35.5 38.70N 142.25E 34 3.7W ¶614093157
JMA I 03 12 23 35.5–.12 38.7N–.30 142.3E–.70 34–1 3.7
IDC I 03 12 23 36.8–2.7 38.84N 141.92E 57–25 3.3,3.1b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; Mrr-1.57 Mθθ1.02 Mϕϕ0.55 Mrθ1.75 Mθϕ0.69 Mϕr2.62 NP1:ϕs216.00000°,δ77.00000°,λ-97.00000°. NP2:ϕs67.00000° ,δ15.00000°,λ-60.00000°. M0 3.50000×10^{14}
JMA Event type ke. E OFF MIYAGI PREF .
IDC Error ellipse: s-maj=33.3km s-min=12.0km az=116.0.
ISC I 04 03 33 54.6–1.0 36.41N–.04 141.10E–.07 37–2 3.7b 38 0-75
JMA I 04 03 33 54.5–.13 36.4N–.30 141.0E–.80 46–1 3.4 ¶610236661
IDC I 04 03 33 55.6–1.9 36.37N 141.03E 47–20 3.7,3.5b
ISC Event type ke.
JMA Event type fe. E OFF IBARAKI PREF .
IDC Error ellipse: s-maj=22.7km s-min=13.5km az=92.0.
ISC I 04 15 12 45.8–1.2 36.86N–.04 141.04E–.08 50–8 24 0-57
JMA I 04 15 12 45.8–.11 36.9N–.30 141.0E–.60 55–0 3.1 ¶610236705
IDC I 04 15 12 45.9–2.6 36.83N 141.06E 46–26 3.7,3.3b
ISC Event type ke.
JMA Event type ke. E OFF IBARAKI PREF .
IDC Error ellipse: s-maj=22.6km s-min=15.1km az=60.0.
ISC I 04 15 31 42.2–2.1 37.15N–.05 141.34E–.10 11–12 3.3b 19 0-61
IDC I 04 15 31 40.8–1.3 37.15N 141.39E 0 3.3b,3.2 ¶610236707
JMA I 04 15 31 42.7–.16 37.2N–.30 141.3E–.80 23–1 3.0,3.2
ISC Event type ke.
JMA Event type ke. E OFF FUKUSHIMA PREF .
ISC I 04 15 43 59.5–.25 36.89N–.02 140.90E–.03 56–1 5.2b,4.5s 1212 0-162
MOS I 04 15 43 57.9–1.1 36.96N 140.87E 53 5.3b,4.3s ¶610570420
BJI I 04 15 43 57.5–.00 36.95N 140.98E 66 5.1b,5.0b
IDC I 04 15 43 58.9–1.3 36.89N 140.79E 47–13 5.0,4.8b
NIED I 04 15 43 59.2 36.86N 140.98E 56 5.2W,4.8b
JMA I 04 15 43 59.2–.10 36.9N–.20 141.0E–.50 56–0 5.3,5.1W
NEIC I 04 15 43 59.6–1.8 36.90N–.05 140.94E–.08 53–4 5.3b,5.2
GCMT I 04 15 44 00.6–.20 36.97N–.01 140.93E–.01 60–1 5.1W,5.2
BGR I 04 15 44 01.4 37.07N 141.15E 50–0 4.9b,4.6s
NEIC I 04 15 44 03 36.91N 140.91E 40 4.9b,4.6s
ISC Event type ke. Moment Tensor Solution. NP1:ϕs193.55199°,δ78.99922°,λ97.26447°. NP2: ϕs339.80835°,δ13.15822°,λ56.95684°. Principal axes: T Plg55.4340°,Azm112.6194° ; N Plg7.1303°,Azm12.1586°; P Plg33.6150°,Azm277.3884°
MOS Error ellipse: s-maj=6.0km s-min=3.7km az=106.0.
IDC Error ellipse: s-maj=10.7km s-min=7.7km az=108.0.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; Mrr2.99 Mθθ-1.25 Mϕϕ-1.73 Mrθ-2.22 Mθϕ-2.87 Mϕr-4.15 NP1:ϕs209.00000°,δ72.00000°,λ78.00000°. NP2:ϕs64.00000° ,δ22.00000°,λ123.00000°. M0 6.01000×10^{16}
JMA Event type fe. E OFF IBARAKI PREF .
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=7.0km az=99.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; Mrr5.03 Mθθ-1.70 Mϕϕ-3.33 Mrθ-1.85 Mθϕ-2.78 Mϕr-2.08 NP1:ϕs219.22000°,δ59.03000°,λ92.54000°. NP2:ϕs34.29000°,δ31.06000° ,λ85.77000°. Principal axes: T 5.7331,Plg76.0000°,Azm137.0000°; N 0.3732,Plg2.0000° ,Azm38.0000°; P -6.1062,Plg14.0000°,Azm307.0000° M0 5.93000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s68,c104; s117,c202;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr3.00±.15 Mθθ-1.03±.13; Mϕϕ-1.97±.13; Mrθ-2.03±.10; Mθϕ-4.18±.10; Mϕr-3.80±.09; Best double couple: NP1:ϕs204.00000°,δ70.00000°,λ69.00000°. NP2:ϕs71.00000°,δ29.00000°,λ134.00000°. Principal axes: T 5.0660,Plg60.0000° ,Azm84.0000°; N 2.3400,Plg19.0000°,Azm211.0000°; P -7.4070,Plg22.0000°,Azm309.0000° M0 6.23700×10^{16}
BGR Event type ke.
NEIC Event type se. Moment Tensor Solution.Duration: 8s0 Moment tensor: Scale 10^{16}Nm; Mrr3.37 Mθθ-0.84 Mϕϕ-2.54 Mrθ-1.80 Mθϕ-3.51 Mϕr-4.60 NP1:ϕs63.00000°,δ25.00000° ,λ129.00000°. NP2:ϕs202.00000°,δ71.00000°,λ74.00000°. Principal axes: T 5.8833,Plg61.0000°,Azm88.0000°; N 1.5275,Plg15.0000°,Azm207.0000° ; P -7.4108,Plg24.0000°,Azm304.0000° M0 6.78000×10^{16}
ISC I 04 17 35 12.7–1.5 37.12N–.04 141.38E–.06 9–8 4.2b 93 0-147
IDC I 04 17 35 11.4–.63 37.14N 141.23E 0 4.0,4.0b ¶610208164
JMA I 04 17 35 13.3–.16 37.1N–.30 141.3E–.80 26–1 4.2,4.2
NEIC I 04 17 35 13.8–1.9 37.19N–.05 141.37E–.07 10–1 4.4b,4.2
NIED I 04 17 35 13.3 37.13N 141.34E 26 4.0W,4.2
ISC Event type ke.
IDC Error ellipse: s-maj=17.8km s-min=13.3km az=117.0.
JMA Event type fe. E OFF FUKUSHIMA PREF .
NEIC Event type se. Error ellipse: s-maj=11.0km s-min=6.3km az=60.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; Mrr-9.85 Mθθ3.60 Mϕϕ6.25 Mrθ0.72 Mθϕ4.41 Mϕr1.23 NP1:ϕs216.00000°,δ49.00000°,λ-91.00000°. NP2:ϕs37.00000° ,δ41.00000°,λ-89.00000°. M0 9.80000×10^{14}
ISC I 04 17 53 20.5–.28 37.16N–.02 141.31E–.02 14–1 5.6b,4.8s 2111 0-167
BJI I 04 17 53 17.2–.00 37.00N 141.32E 14 5.3b,5.3s ¶614095170
IDC I 04 17 53 18.8–.33 37.15N 141.17E 0 5.1b,5.0
MOS I 04 17 53 19.2–.89 37.20N 141.22E 17 5.8b,5.0s
JMA I 04 17 53 20.5–.15 37.1N–.30 141.4E–.80 26–1 5.6,5.3W
NIED I 04 17 53 20.5 37.12N 141.36E 26 5.3W,5.3W
NEIC I 04 17 53 20.7–1.9 37.15N–.04 141.31E–.07 10–1 5.7b,5.3
GCMT I 04 17 53 22.7–.10 37.17N–.01 141.32E–.01 12 5.3W,5.3
BGR I 04 17 53 24.6 37.51N 141.40E 18–0 5.6b,4.8s
NEIC I 04 17 53 24 37.23N 141.34E 12 5.6b,4.8s
ISC Event type ke. Moment Tensor Solution. NP1:ϕs0.25352°,δ45.44768°,λ-72.37067°. NP2: ϕs155.88466°,δ47.22330°,λ-107.09936°. Principal axes: T Plg0.9083°,Azm257.8861° ; N Plg12.4636°,Azm167.6853°; P Plg77.5023°,Azm351.9876° Moment Tensor Solution. NP1:ϕs357.68015°,δ55.94415°,λ-127.11268°. NP2:ϕs231.17452°,δ48.64814°,λ-48.24548°. Principal axes: T Plg4.0825°,Azm113.0045°; N Plg29.9933°,Azm20.6435°; P Plg59.6724° ,Azm210.0124°
IDC Error ellipse: s-maj=11.9km s-min=9.0km az=84.0.
MOS Error ellipse: s-maj=6.1km s-min=3.8km az=97.3.
JMA Event type fe. E OFF FUKUSHIMA PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; Mrr-8.57 Mθθ0.84 Mϕϕ7.74 Mrθ0.03 Mθϕ3.21 Mϕr1.44 NP1:ϕs198.00000°,δ49.00000°,λ-95.00000°. NP2:ϕs25.00000° ,δ41.00000°,λ-85.00000°. M0 8.90000×10^{16}
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=5.8km az=248.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; Mrr-6.50 Mθθ0.59 Mϕϕ5.90 Mrθ-0.17 Mθϕ1.96 Mϕr1.01 NP1:ϕs194.04000°,δ49.12000°,λ-95.49000°. NP2:ϕs22.39000°,δ41.19000° ,λ-83.70000°. Principal axes: T 6.6106,Plg4.0000°,Azm288.0000°; N -0.0147,Plg4.0000° ,Azm198.0000°; P -6.5959,Plg84.0000°,Azm62.0000° M0 6.60000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s94,c158; s146,c253;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; Mrr-0.88±.01 Mθθ0.11±.01; Mϕϕ0.76±.01; Mrθ0.17±.03; Mθϕ0.38±.01; Mϕr0.25±.03; Best double couple: NP1:ϕs208.00000°,δ54.00000°,λ-86.00000°. NP2:ϕs21.00000°,δ36.00000°,λ-96.00000°. Principal axes: T 0.9910,Plg9.0000° ,Azm295.0000°; N -0.0590,Plg3.0000°,Azm26.0000°; P -0.9320,Plg80.0000°,Azm135.0000° M0 0.96200×10^{17}
BGR Event type ke.
NEIC Event type se. Moment Tensor Solution.Duration: 8s0 Moment tensor: Scale 10^{17}Nm; Mrr-0.88 Mθθ0.06 Mϕϕ0.83 Mrθ-0.09 Mθϕ0.41 Mϕr-0.45 NP1:ϕs210.00000°,δ32.00000° ,λ-79.00000°. NP2:ϕs17.00000°,δ58.00000°,λ-96.00000°. Principal axes: T 1.1049,Plg13.0000°,Azm112.0000°; N -0.1097,Plg6.0000°,Azm21.0000° ; P -0.9952,Plg76.0000°,Azm268.0000° M0 1.05000×10^{17}
ISC I 04 18 07 45.2–2.2 37.11N–.06 141.38E–.09 11–12 3.4b 18 0-57
IDC I 04 18 07 43.8–1.6 37.03N 141.39E 0 3.3,3.3b ¶614095207
JMA I 04 18 07 46.3–.16 37.1N–.30 141.3E–.80 25–1 3.5,3.3b
ISC Event type ke.
JMA Event type ke. E OFF FUKUSHIMA PREF .
JMA I 04 19 08 52.5–.41 37.1N–.80 141E–2.0 24–3 1.3 ¶614095311
JMA Event type ke. E OFF FUKUSHIMA PREF .
ISC I 04 19 47 45.4–2.1 37.38N–.05 141.65E–.08 3–12 3.6b 26 1-147
IDC I 04 19 47 46.9–1.5 37.64N 141.59E 0 3.6,3.6b ¶610208165
JMA I 04 19 47 47.0–.17 37.4N–.40 141.6E–.80 28–1 3.5,3.6b
NIED I 04 19 47 47.0 37.38N 141.62E 28 3.7W,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=31.7km s-min=23.7km az=132.0.
JMA Event type ke. E OFF FUKUSHIMA PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; Mrr-3.29 Mθθ0.99 Mϕϕ2.29 Mrθ-0.83 Mθϕ1.91 Mϕr-0.25 NP1:ϕs45.00000°,δ51.00000°,λ-78.00000°. NP2:ϕs206.00000° ,δ40.00000°,λ-105.00000°. M0 3.58000×10^{14}
ISC I 04 21 29 44.3–1.2 36.80N–.04 140.58E–.05 8–9 22 0-57
IDC I 04 21 29 43.2–2.6 36.56N 140.55E 0 3.4,3.4b ¶614095515
JMA I 04 21 29 44.1–.03 36.8N–.10 140.6E–.20 7–0 3.4,3.4b
ISC Event type ke.
JMA Event type fe. NORTHERN IBARAKI PREF .
ISC I 04 21 31 48.2–1.0 36.81N–.04 140.55E–.07 10 13 0-57
IDC I 04 21 31 48.0–2.4 36.44N 140.49E 0 3.3,3.3b ¶614095526
JMA I 04 21 31 48.1–.03 36.82N–.09 140.6E–.20 8–0 3.3,3.3b
ISC Event type ke.
JMA Event type fe. NORTHERN IBARAKI PREF .
ISC I 05 01 09 48.5–2.2 37.09N–.05 141.4E–.10 14–12 3.3b 19 0-57
IDC I 05 01 09 46.3–1.6 37.16N 141.54E 0 3.4b,3.3 ¶610208166
JMA I 05 01 09 50.0–.14 37.1N–.30 141.3E–.70 27–0 3.5,3.3
NIED I 05 01 09 50.0 37.12N 141.34E 27 3.5W,3.3
ISC Event type ke.
IDC Error ellipse: s-maj=33.6km s-min=26.7km az=154.0.

JMA Event type fe. E OFF FUKUSHIMA PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; Mrr-2.02 Mθθ0.87 Mφφ1.15 Mrθ-0.19 Mθφ0.75 Mφr-0.03 NP1:φs43.00000°,δ47.00000°,λ-86.00000°. NP2:φs217.00000° ,δ43.00000°,λ-95.00000°. Mo1.90000×10^{14}
JMA I 05 03 17 14.4–.22 37.4N–.50 142E–1.0 30–2 2.6 ¶614095886
JMA Event type ke. E OFF FUKUSHIMA PREF .
ISC I 05 03 17 34.9–1.8 36.66N–.04 141.25E–.08 23–12 3.4b 34 1-147
IDC I 05 03 17 31.6–1.1 36.82N 141.18E 0 3.5,3.4b ¶614095888
JMA I 05 03 17 35.0–.12 36.6N–.30 141.2E–.70 45–1 3.6,3.4b
ISC Event type ke.
JMA Event type fe. E OFF IBARAKI PREF .
ISC I 05 05 57 38.9–1.9 37.34N–.05 141.49E–.07 9–11 3.6b 30 0-147
NIED I 05 05 57 38.9 37.31N 141.53E 30 3.6W ¶614096029
JMA I 05 05 57 38.9–.19 37.3N–.40 141.5E–.90 30–1 3.6
IDC I 05 05 57 38.8–.91 37.62N 141.42E 0 3.7,3.6b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; Mrr-2.05 Mθθ0.49 Mφφ1.55 Mrθ-0.70 Mθφ2.44 Mφr0.30 NP1:φs68.00000°,δ56.00000°,λ-47.00000°. NP2:φs189.00000° ,δ52.00000°,λ-135.00000°. Mo3.04000×10^{14}
JMA Event type fe. E OFF FUKUSHIMA PREF .
IDC Error ellipse: s-maj=24.4km s-min=17.6km az=144.0.
ISC I 05 08 34 38.3–.94 38.88N–.06 141.78E–.09 61–6 3.7b 31 0-73
JMA I 05 08 34 39.4–.09 38.9N–.30 141.6E–.50 61–0 3.4 ¶614096151
IDC I 05 08 34 40.1–2.6 38.97N 141.92E 80–22 3.7,3.4b
ISC Event type ke.
JMA Event type fe. NORTHERN MIYAGI PREF .
IDC Error ellipse: s-maj=26.5km s-min=15.1km az=105.0.
ISC I 05 17 26 55.8–2.3 37.23N–.06 141.48E–.09 5–13 20 1-44
IDC I 05 17 26 53.3–6.2 37.16N 141.76E 0 3.4b,3.2 ¶614096782
JMA I 05 17 26 57.7–.19 37.3N–.30 141.4E–.90 23–1 3.2,3.2
ISC Event type ke.
JMA Event type ke. E OFF FUKUSHIMA PREF .
ISC I 05 17 39 12.1–.45 38.62N–.04 142.41E–.04 40–4 4.6b,3.7s 285 1-96
BJI I 05 17 39 06.0–.00 38.57N 142.69E 27 4.8b,4.5b ¶609997974
NEIC I 05 17 39 11.7–1.2 38.66N–.06 142.3E–.10 31–5 4.6b,4.5b
MOS I 05 17 39 11.0–.88 38.73N 142.32E 39 4.8b,4.5b
NIED I 05 17 39 12.5 38.71N 142.28E 39 4.4W,4.5b
JMA I 05 17 39 12.5–.12 38.7N–.30 142.3E–.70 39–1 4.7,4.4
IDC I 05 17 39 13.9–1.8 38.68N 142.22E 47–16 4.3,4.1b
ISC Event type ke. Moment Tensor Solution. NP1:φs153.58313°,δ28.20991°,λ36.95008°. NP2: φs30.04491°,δ73.49191°,λ113.20402°. Principal axes: T Plg55.4916°,Azm329.5023° ; N Plg22.1953°,Azm203.0999°; P Plg24.9731°,Azm102.1460° Moment Tensor Solution. NP1:φs236.21779°,δ37.52349°,λ157.86250°. NP2:φs344.10013°,δ76.73104°,λ54.57329°. Principal axes: T Plg46.3115°,Azm217.7016°; N Plg34.3458°,Azm353.3732°; P Plg23.4852° ,Azm100.6452°
NEIC Event type se. Error ellipse: s-maj=12.2km s-min=7.3km az=118.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=7.7km s-min=4.8km az=105.9.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; Mrr2.41 Mθθ0.06 Mφφ-2.47 Mrθ0.49 Mθφ-0.60 Mφr3.66 NP1:φs8.00000°,δ73.00000°,λ87.00000°. NP2:φs198.00000° ,δ17.00000°,λ99.00000°. Mo4.46000×10^{15}
JMA Event type fe. E OFF MIYAGI PREF .
IDC Error ellipse: s-maj=17.2km s-min=12.0km az=104.0.
ISC I 06 01 14 05.5–1.2 36.37N–.05 141.00E–.08 35 3.3b 23 0-56
JMA I 06 01 14 05.5–.14 36.3N–.30 140.9E–.90 45–1 3.4 ¶610208171
NIED I 06 01 14 05.5 36.34N 140.92E 45 3.6W
IDC I 06 01 14 09.0–7.2 36.09N 140.77E 59–54 3.4,3.2b
ISC Event type ke.
JMA Event type fe. E OFF IBARAKI PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; Mrr-0.41 Mθθ-0.64 Mφφ1.04 Mrθ1.14 Mθφ-1.98 Mφr1.74 NP1:φs190.00000°,δ81.00000°,λ-41.00000°. NP2:φs288.00000° ,δ50.00000°,λ-168.00000°. Mo2.97000×10^{14}
IDC Error ellipse: s-maj=67.1km s-min=32.0km az=56.0.
ISC I 06 02 01 25.4–1.7 35.64N–.04 141.04E–.09 10 17 0-59
JMA I 06 02 01 25.1–.22 35.6N–.50 141.0E–.90 14–1 2.9 ¶610236805
IDC I 06 02 01 40.0–2.0 34.90N 138.02E 0 3.2,3.2b
ISC Event type ke.
JMA Event type ke. NEAR CHOSHI CITY .
IDC Error ellipse: s-maj=66.8km s-min=24.0km az=95.0.
ISC I 06 06 09 54.5–2.0 37.13N–.05 141.41E–.08 12–10 3.6b 33 0-147
JMA I 06 06 09 55.4–.14 37.1N–.30 141.3E–.70 28–0 4.0,3.8 ¶610208172
IDC I 06 06 09 55.4–1.2 37.52N 141.20E 0 3.5,3.5b
NIED I 06 06 09 55.4 37.12N 141.34E 28 3.5W,3.5b
ISC Event type ke.
JMA Event type fe. E OFF FUKUSHIMA PREF .
IDC Error ellipse: s-maj=29.0km s-min=23.8km az=113.0.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; Mrr-1.08 Mθθ-0.06 Mφφ1.15 Mrθ-0.24 Mθφ1.40 Mφr0.65 NP1:φs181.00000°,δ64.00000°,λ-136.00000°. NP2:φs68.00000° ,δ51.00000°,λ-34.00000°. Mo1.87000×10^{14}
JMA I 06 14 45 12.0–.03 36.71N–.08 140.6E–.20 9–0 0.6 ¶614097830
JMA Event type ke. NORTHERN IBARAKI PREF .
JMA I 07 23 02 53.6–.04 36.8N–.10 140.6E–.30 6–0 0.5 ¶614099861
JMA Event type ke. NORTHERN IBARAKI PREF .
ISC I 08 04 15 40.9–.82 36.86N–.04 141.10E–.06 50–7 4.0b,3.3s 94 0-147
JMA I 08 04 15 41.4–.11 36.9N–.30 141.0E–.60 55–0 4.3,4.3 ¶610050537
NEIC I 08 04 15 41.8–2.0 36.90N–.04 141.0E–.10 47–8 4.2b,4.3
NIED I 08 04 15 41.4 36.88N 140.99E 55 4.2W,4.3
IDC I 08 04 15 42.9–1.9 36.82N 140.90E 69–19 4.1,3.7b
ISC Event type ke.
JMA Event type fe. E OFF IBARAKI PREF .
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=5.7km az=96.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; Mrr0.81 Mθθ0.45 Mφφ-1.27 Mrθ-0.71 Mθφ-0.15 Mφr1.61 NP1:φs339.00000°,δ77.00000°,λ71.00000°. NP2:φs216.00000° ,δ23.00000°,λ145.00000°. Mo2.08000×10^{15}
IDC Error ellipse: s-maj=16.3km s-min=10.4km az=61.0.
JMA I 08 11 43 31.2–.05 36.8N–.10 140.6E–.30 8–0 1.0 ¶614100498
JMA Event type ke. NORTHERN IBARAKI PREF .
ISC I 08 14 38 55.5–1.9 39.21N–.05 142.4E–.10 31–11 3.4b 25 1-47
JMA I 08 14 38 55.4–.11 39.2N–.20 142.4E–.60 33–0 3.3 ¶614100630
IDC I 08 14 38 58.9–4.8 35.64N 142.98E 273–22 3.4,2.9b
ISC Event type ke.
JMA Event type ke. E OFF IWATE PREF .
IDC Error ellipse: s-maj=97.3km s-min=30.2km az=172.0.
JMA I 08 17 47 40.0–.13 36.9N–.40 141.0E–.60 53–1 1.1 ¶614100770
JMA Event type ke. E OFF IBARAKI PREF .
ISC I 08 19 47 21.2–.73 36.51N–.06 141.71E–.06 10 3.7b,2.4s 41 1-78
IDC I 08 19 47 19.1–.73 36.43N 141.84E 0 3.7,3.7b ¶610236979
JMA I 08 19 47 25.7–.20 36.6N–.50 141E–1.0 50–3 3.4,3.7b
ISC Event type ke.
JMA Event type ke. E OFF IBARAKI PREF .
ISC I 08 23 30 40.6–1.2 37.20N–.04 141.45E–.05 18–4 3.9b 39 0-147
NIED I 08 23 30 40.1 37.20N 141.44E 30 4.1W ¶614101003
JMA I 08 23 30 40.1–.18 37.2N–.40 141.4E–.90 30–1 4.5,3.8
IDC I 08 23 30 43.4–3.3 36.99N 141.38E 43–29 3.8,3.6b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; Mrr-1.07 Mθθ0.60 Mφφ0.47 Mrθ0.66 Mθφ0.69 Mφr0.42 NP1:φs234.00000°,δ62.00000°,λ-83.00000°. NP2:φs40.00000° ,δ29.00000°,λ-102.00000°. Mo1.39000×10^{15}
JMA Event type ke. E OFF FUKUSHIMA PREF .
IDC Error ellipse: s-maj=27.2km s-min=21.0km az=151.0.
ISC I 09 05 03 05.4–.00 36.67N–.04 140.63E–.06 7–6 3.7b 21 0-74
IDC I 09 05 03 04.6–1.3 36.53N 140.58E 0 3.6,3.6b ¶610236993
JMA I 09 05 03 05.4–.04 36.7N–.10 140.6E–.20 5–0 3.4,3.6b
ISC Event type ke.
JMA Event type fe. NORTHERN IBARAKI PREF .
ISC I 10 01 42 25.3–3.1 37.35N–.05 141.71E–.08 10–19 3.5b 28 1-147
IDC I 10 01 42 24.1–1.0 37.33N 141.80E 0 3.5,3.5b ¶610207604
JMA I 10 01 42 27.3–.17 37.4N–.40 141.7E–.90 33–2 3.8,3.5b
NIED I 10 01 42 27.3 37.37N 141.66E 33 3.7W,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=25.3km s-min=22.6km az=144.0.
JMA Event type ke. E OFF FUKUSHIMA PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; Mrr-2.63 Mθθ1.24 Mφφ1.39 Mrθ-0.65 Mθφ2.17 Mφr1.44 NP1:φs198.00000°,δ57.00000°,λ-125.00000°. NP2:φs70.00000° ,δ46.00000°,λ-49.00000°. Mo3.52000×10^{14}
ISC I 10 21 54 33.0–1.8 37.38N–.04 141.69E–.06 0–10 3.8b 46 1-147
IDC I 10 21 54 34.7–1.4 37.63N 141.47E 0 3.8b,3.7 ¶610207605
NIED I 10 21 54 35.6 37.33N 141.60E 33 3.5W,3.7
JMA I 10 21 54 35.6–.17 37.3N–.30 141.6E–.80 33–1 3.8,3.7
NEIC I 10 21 54 36.2–.60 37.44N–.06 141.58E–.06 15–4 4.0b,3.7
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; Mrr-1.70 Mθθ0.67 Mφφ1.03 Mrθ-0.18 Mθφ1.45 Mφr-0.44 NP1:φs34.00000°,δ52.00000°,λ-100.00000°. NP2:φs230.00000° ,δ39.00000°,λ-78.00000°. Mo2.07000×10^{14}
JMA Event type fe. E OFF FUKUSHIMA PREF .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA I 11 08 38 28.3–.12 36.7N–.10 140.6E–.40 8–0 -0.1 ¶614103147
JMA Event type ke. NORTHERN IBARAKI PREF .
ISC I 11 17 12 51.5–1.4 37.14N–.04 141.28E–.08 31–9 3.5b 32 0-78
JMA I 11 17 12 51.0–.15 37.1N–.30 141.3E–.80 33–1 3.8 ¶610207609
NIED I 11 17 12 51.0 37.13N 141.31E 33 3.6W
IDC I 11 17 12 57.1–2.3 37.11N 140.99E 79–21 3.6,3.2b
ISC Event type ke.
JMA Event type fe. E OFF FUKUSHIMA PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; Mrr-2.18 Mθθ0.27 Mφφ1.91 Mrθ1.03 Mθφ1.19 Mφr-0.43 NP1:φs231.00000°,δ51.00000°,λ-57.00000°. NP2:φs5.00000° ,δ49.00000°,λ-124.00000°. Mo2.62000×10^{14}
IDC Error ellipse: s-maj=26.0km s-min=17.3km az=93.0.
ISC I 12 00 36 29.1–.74 36.09N–.04 140.13E–.05 70–6 4.4b 189 0-86
BJI I 12 00 36 26.9–.00 36.17N 140.00E 65 4.9b,4.9s ¶610057039
MOS I 12 00 36 27.9–1.0 36.09N 140.19E 78 4.7b,4.9s
IDC I 12 00 36 29.8–1.6 36.04N 140.21E 82–13 4.1,3.8b
JMA I 12 00 36 30.2–.09 36.1N–.30 140.1E–.40 64–0 3.9,3.8b
NEIC I 12 00 36 30.0–1.5 36.13N–.07 140.13E–.10 78–7 4.5b,3.8b
NIED I 12 00 36 30.2 36.12N 140.08E 64 4.2W,3.8b
ISC Event type ke.
MOS Error ellipse: s-maj=11.9km s-min=6.6km az=127.8.
IDC Error ellipse: s-maj=15.0km s-min=12.6km az=71.0.
JMA Event type fe. SW IBARAKI PREF .
NEIC Event type se. Error ellipse: s-maj=12.6km s-min=8.0km az=125.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; Mrr1.47 Mθθ0.26 Mφφ-1.73 Mrθ-0.01 Mθφ-0.14 Mφr1.72 NP1:φs0.00000°,δ69.00000°,λ87.00000°. NP2:φs189.00000° ,δ22.00000°,λ98.00000°. Mo2.36000×10^{15}
ISC I 12 21 47 27.7–1.4 38.25N–.06 142.1E–.10 58–10 3.6b 33 0-68
JMA I 12 21 47 28.9–.09 38.3N–.30 141.9E–.50 63–0 3.7 ¶610237262
IDC I 12 21 47 28.4–2.8 38.31N 142.16E 68–24 3.6,3.4b
ISC Event type ke.
JMA Event type fe. E OFF MIYAGI PREF .
IDC Error ellipse: s-maj=37.5km s-min=16.8km az=95.0.
ISC I 13 01 20 53.7–1.2 37.45N–.04 141.47E–.05 23–7 4.4b,3.6s 167 0-147
MOS I 13 01 20 49.5–1.0 37.41N 141.56E 13 4.7b,3.6s ¶610068614
IDC I 13 01 20 49.6–.67 37.38N 141.48E 0 4.2b,4.1
JMA I 13 01 20 51.7–.15 37.4N–.30 141.6E–.70 29–1 4.4,4.2
NIED I 13 01 20 51.7 37.38N 141.59E 29 4.1W,4.2
NEIC I 13 01 20 52.4–1.8 37.47N–.05 141.53E–.06 10–1 4.5b,4.2
ISC Event type ke.
JMA Event type fe. E OFF FUKUSHIMA PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; Mrr-1.32 Mθθ0.23 Mφφ1.09 Mrθ0.02 Mθφ0.80 Mφr0.07 NP1:φs210.00000°,δ46.00000°,λ-91.00000°. NP2:φs32.00000° ,δ44.00000°,λ-89.00000°. Mo1.45000×10^{15}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 13 03 25 31.5–.34 35.68N–.03 140.63E–.04 56–2 5.0b,4.2s 630 0-150
BGR I 13 03 25 24.8 35.08N 141.71E 33 5.2b,4.5s ¶610068620
MOS I 13 03 25 28.3–1.1 35.65N 140.59E 41 5.2b,4.0s
BJI I 13 03 25 28.0–.00 35.60N 140.70E 63 5.1b,5.0b
NEIC I 13 03 25 30.7–2.0 35.66N–.05 140.77E–.09 49–4 5.0,5.0b
NIED I 13 03 25 30.7 35.73N 140.61E 50 5.1W,5.0b
NEIC I 13 03 25 30 35.65N 140.78E 60 5.1W,5.0b
JMA I 13 03 25 30.7–.18 35.7N–.50 140.6E–.60 50–1 5.1W,4.9
IDC I 13 03 25 31.3–1.3 35.59N 140.51E 53–11 4.7,4.4b
GCMT I 13 03 25 33.7–.20 35.60N–.01 140.67E–.02 51–1 5.1W,4.4b
ISC Event type ke. Moment Tensor Solution. NP1:φs153.34897°,δ8.34995°,λ50.45107°. NP2: φs13.19799°,δ83.57080°,λ95.33917°. Principal axes: T Plg51.1499°,Azm289.2189° ; N Plg5.3055°,Azm192.5984°; P Plg38.3477°,Azm98.3854° Moment Tensor Solution. NP1: φs329.84283°,δ65.22982°,λ60.94606°. NP2:φs202.81982°,δ37.46396°,λ136.46370°. Principal axes: T Plg59.0392°,Azm197.9688°; N Plg26.1647°,Azm342.9457°; P Plg15.3665° ,Azm80.7053°
BGR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; Mrr3.03 Mθθ-0.51 Mφφ-2.52 Mrθ0.05 Mθφ-0.04 Mφr4.17 NP1:φs1.00000°,δ73.00000°,λ90.00000°. NP2:φs181.00000° ,δ17.00000°,λ90.00000°. Mo5.01000×10^{16}
NEIC Event type se. Moment Tensor Solution.Duration: 2s0 Moment tensor: Scale 10^{16}Nm; Mrr2.91 Mθθ0.95 Mφφ-3.86 Mrθ0.09 Mθφ-1.18 Mφr2.95 NP1:φs208.00000°,δ27.00000° ,λ112.00000°. NP2:φs3.00000°,δ65.00000°,λ79.00000°. Principal axes: T 4.0542,Plg68.0000°,Azm253.0000°; N 1.1213,Plg10.0000°,Azm8.0000° ; P -5.1755,Plg20.0000°,Azm101.0000° Mo4.72000×10^{16}
JMA Event type fe. NEAR CHOSHI CITY .
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s61,c91; s107,c151;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr4.43±.15 Mθθ-0.28±.12; Mφφ-4.15±.10; Mrθ-0.35±.09; Mθφ-0.54±.09; Mφr3.44±.10; Best double couple: NP1:φs360.00000°,δ64.00000°,λ83.00000°. NP2:φs195.00000°,δ26.00000°,λ104.00000°. Principal axes: T 5.6820,Plg70.0000° ,Azm256.0000°; N -0.2970,Plg6.0000°,Azm3.0000°; P -5.3890,Plg19.0000°,Azm95.0000° Mo5.53500×10^{16}
ISC I 13 04 44 07.8–1.0 36.32N–.05 141.64E–.09 35 3.4b 21 1-64
JMA I 13 04 44 06.8–.19 36.3N–.30 142E–1.0 57–3 3.3 ¶610237277
IDC I 13 04 44 10.2–4.2 36.18N 141.57E 60–38 3.6,3.5L
ISC Event type ke.
JMA Event type ke. FAR E OFF IBARAKI PREF .
IDC Error ellipse: s-maj=36.0km s-min=14.1km az=64.0.
JMA I 13 19 39 11.4–.42 35.6N–.80 141E–2.0 14–1 1.3 ¶614105654
JMA Event type ke. NEAR CHOSHI CITY .
ISC I 13 20 26 23.3–1.8 37.36N–.04 141.65E–.06 4–11 3.8b,3.5s 52 1-79
IDC I 13 20 26 23.0–.97 37.37N 141.56E 0 3.8,3.7b ¶614105692
NEIC I 13 20 26 24.7–1.9 37.40N–.05 141.58E–.05 10–2 4.2b,3.7b
JMA I 13 20 26 24.8–.17 37.4N–.40 141.6E–.80 25–1 4.2,4.1
NIED I 13 20 26 24.8 37.39N 141.60E 25 3.9W,4.1
ISC Event type ke.
IDC Error ellipse: s-maj=27.1km s-min=18.3km az=97.0.
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=3.0km az=38.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. E OFF FUKUSHIMA PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; Mrr-6.90 Mθθ2.34 Mφφ4.56 Mrθ0.42 Mθφ5.24 Mφr-0.35 NP1:φs33.00000°,δ45.00000°,λ-99.00000°. NP2:φs225.00000° ,δ45.00000°,λ-81.00000°. Mo7.88000×10^{14}

ISC I 15 19 36 12.0–1.8 36.92N–.05 141.38E–.07 10–10 3.4b 25 1-147
IDC I 15 19 36 10.6–1.1 36.88N 141.42E 0 3.5b,3.4 **¶610207614**
JMA I 15 19 36 12.8–.12 36.9N–.30 141.4E–.60 27–0 3.6,3.4
NIED I 15 19 36 12.8 36.94N 141.35E 27 3.6W,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=24.0km s-min=22.7km az=39.0.
JMA Event type ke. E OFF FUKUSHIMA PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-2.26 $M_{\theta\theta}$0.38 $M_{\phi\phi}$1.89 $M_{r\theta}$0.15 $M_{\theta\phi}$0.80 $M_{\phi r}$0.84 NP1:ϕ_s199.00000°,δ55.00000°,λ-95.00000°. NP2:ϕ_s28.00000°,δ35.00000°,λ-83.00000°. $M_0$2.40000×10^{14}

ISC I 16 10 53 18.1–2.0 37.32N–.06 141.6E–.10 20–9 3.5b 25 1-70
JMA I 16 10 53 18.5–.17 37.3N–.40 141.6E–.90 31–1 3.5 **¶610207616**
NIED I 16 10 53 18.5 37.33N 141.58E 31 3.3W
IDC I 16 10 53 19.3–1.8 37.68N 141.31E 0 3.4,3.4b
ISC Event type ke.
JMA Event type ke. E OFF FUKUSHIMA PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{13}Nm; M_{rr}-6.69 $M_{\theta\theta}$2.25 $M_{\phi\phi}$4.43 $M_{r\theta}$3.17 $M_{\theta\phi}$6.97 $M_{\phi r}$2.26 NP1:ϕ_s232.00000°,δ58.00000°,λ-75.00000°. NP2:ϕ_s25.00000°,δ35.00000°,λ-112.00000°. $M_0$9.45000×10^{13}
IDC Error ellipse: s-maj=40.2km s-min=25.6km az=68.0.

ISC I 16 14 21 47.7–.73 40.19N–.04 142.44E–.04 48–6 4.4b,4.2s 187 1-80
MOS I 16 14 21 46.4–.93 40.19N 142.52E 56 4.6b,4.2s **¶610097485**
JMA I 16 14 21 46.9–.12 40.2N–.30 142.4E–.70 35–1 4.2,4.1
NIED I 16 14 21 46.9 40.16N 142.42E 35 4.1W,4.1
IDC I 16 14 21 49.4–1.7 40.21N 142.47E 66–14 4.1,3.8b
NEIC I 16 14 21 49.2–1.4 40.20N–.06 142.3E–.10 54–7 4.6b,3.8b
ISC Event type ke.
JMA Event type fe. NE OFF IWATE PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}1.10 $M_{\theta\theta}$-0.09 $M_{\phi\phi}$-1.00 $M_{r\theta}$0.49 $M_{\theta\phi}$-0.16 $M_{\phi r}$1.14 NP1:ϕ_s20.00000°,δ70.00000°,λ96.00000°. NP2:ϕ_s182.00000°,δ21.00000°,λ73.00000°. $M_0$1.63000×10^{15}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC I 16 20 21 35.4–1.9 36.99N–.05 141.56E–.08 8–10 22 1-57
IDC I 16 20 21 34.3–2.7 36.91N 141.59E 0 3.2b,3.1 **¶614108386**
JMA I 16 20 21 38.1–.11 37.0N–.20 141.4E–.60 32–0 3.3,3.1
ISC Event type ke.
JMA Event type ke. E OFF FUKUSHIMA PREF .

ISC I 16 22 35 22.7–1.5 38.65N–.05 142.13E–.09 43–11 4.1b 80 1-85
NIED I 16 22 35 22.2 38.65N 142.16E 40 4.2W **¶610207618**
JMA I 16 22 35 22.2–.11 38.7N–.20 142.2E–.60 40–1 4.1,3.9
NEIC I 16 22 35 24.8–1.1 38.70N–.10 142.1E–.20 59–10 4.3b,3.9
IDC I 16 22 35 24.3–2.5 38.67N 142.12E 57–21 3.9,3.6b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}1.36 $M_{\theta\theta}$-0.56 $M_{\phi\phi}$-0.80 $M_{r\theta}$0.44 $M_{\theta\phi}$-0.85 $M_{\phi r}$1.12 NP1:ϕ_s28.00000°,δ65.00000°,λ78.00000°. NP2:ϕ_s235.00000°,δ27.00000°,λ114.00000°. $M_0$1.89000×10^{15}
JMA Event type fe. E OFF MIYAGI PREF .
NEIC Event type se. Error ellipse: s-maj=22.5km s-min=8.7km az=121.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=26.1km s-min=15.5km az=106.0.

ISC I 17 01 55 33.9–1.0 39.58N–.05 142.21E–.09 52–8 3.8b 40 0-149
NIED I 17 01 55 33.8 39.60N 142.24E 51 3.9W **¶610180895**
JMA I 17 01 55 33.8–.09 39.6N–.20 142.2E–.50 51–0 4.0,3.9
IDC I 17 01 55 35.7–2.2 39.56N 142.10E 71–20 3.9,3.6b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}7.42 $M_{\theta\theta}$-2.00 $M_{\phi\phi}$-5.43 $M_{r\theta}$2.57 $M_{\theta\phi}$-1.67 $M_{\phi r}$1.71 NP1:ϕ_s34.00000°,δ56.00000°,λ101.00000°. NP2:ϕ_s194.00000°,δ35.00000°,λ74.00000°. $M_0$7.40000×10^{14}
JMA Event type fe. E OFF IWATE PREF .
IDC Error ellipse: s-maj=19.4km s-min=12.9km az=123.0.

ISC I 18 08 19 25.8–.56 36.43N–.03 140.72E–.05 57–5 4.5b,3.0s 214 0-148
BJI I 18 08 19 23.2–.00 36.38N 140.66E 51 4.9b,4.7 **¶610099372**
MOS I 18 08 19 24.3–1.4 36.52N 140.67E 57 4.8b,4.7
JMA I 18 08 19 25.8–.10 36.4N–.20 140.6E–.50 53–0 4.3W,4.2
NIED I 18 08 19 25.8 36.43N 140.64E 53 4.2W,4.2
NEIC I 18 08 19 27.0–2.0 36.48N–.05 140.65E–.09 59–7 4.5b,4.2
IDC I 18 08 19 27.5–1.5 36.38N 140.60E 70–14 4.3,4.0b
ISC Event type ke.
MOS Error ellipse: s-maj=9.8km s-min=5.9km az=111.5.
JMA Event type fe. NORTHERN IBARAKI PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}1.51 $M_{\theta\theta}$-0.34 $M_{\phi\phi}$-1.17 $M_{r\theta}$0.63 $M_{\theta\phi}$-0.34 $M_{\phi r}$1.70 NP1:ϕ_s20.00000°,δ71.00000°,λ90.00000°. NP2:ϕ_s199.00000°,δ19.00000°,λ89.00000°. $M_0$2.29000×10^{15}
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=7.1km az=111.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=15.2km s-min=9.4km az=79.0.

ISC I 18 19 20 22.6–1.8 37.37N–.04 141.84E–.07 23–12 3.6b 35 1-57
IDC I 18 19 20 17.8–2.0 37.48N 142.14E 0 3.7,3.6b **¶610237682**
JMA I 18 19 20 24.8–.13 37.4N–.40 141.7E–.80 44–2 3.4,3.6b
ISC Event type ke.
JMA Event type ke. E OFF FUKUSHIMA PREF .

ISC I 19 01 44 08.2–1.4 36.15N–.05 141.07E–.08 32–8 3.2b 20 0-56
IDC I 19 01 44 02.4–2.9 36.19N 141.42E 0 3.4,3.3b **¶610237698**
JMA I 19 01 44 07.8–.15 36.1N–.30 141.0E–.90 42–1 3.0,3.3b
ISC Event type ke.
JMA Event type ke. E OFF IBARAKI PREF .

ISC I 19 12 17 31.7–.61 40.02N–.04 142.31E–.06 10 3.9b 31 0-88
IDC I 19 12 17 30.5–.70 40.09N 142.24E 0 3.8,3.8b **¶610207624**
NIED I 19 12 17 31.8 40.02N 142.27E 20 4.0W,3.8b
JMA I 19 12 17 31.8–.09 40.0N–.20 142.3E–.50 20–0 4.2,4.2
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.01 $M_{\theta\theta}$1.00 $M_{\phi\phi}$-1.00 $M_{r\theta}$0.48 $M_{\theta\phi}$0.07 $M_{\phi r}$-0.38 NP1:ϕ_s133.00000°,δ89.00000°,λ31.00000°. NP2:ϕ_s42.00000°,δ59.00000°,λ179.00000°. $M_0$1.17000×10^{15}
JMA Event type fe. NE OFF IWATE PREF .

ISC I 20 04 12 23.0–1.4 34.16N–.05 140.81E–.08 48–16 22 1-58
IDC I 20 04 12 18.9–2.5 33.87N 140.40E 0 3.3b,3.2 **¶610234916**
JMA I 20 04 12 22.2–.29 34.2N–.80 141E–1.0 53–3 3.1,3.2
ISC Event type ke.
JMA Event type ke. FAR S OFF BOSO PENINSULA.

ISC I 20 07 09 19.8–1.2 36.69N–.05 141.94E–.08 50 3.3b 26 1-61
JMA I 20 07 09 20.0–.18 36.8N–.50 142E–1.0 50–3 3.7 **¶610207625**
NIED I 20 07 09 20.0 36.75N 141.81E 50 3.5W
IDC I 20 07 09 22.4–4.0 36.46N 141.83E 58–35 3.4,3.1b
ISC Event type ke.
JMA Event type ke. E OFF FUKUSHIMA PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-1.72 $M_{\theta\theta}$0.15 $M_{\phi\phi}$1.57 $M_{r\theta}$0.21 $M_{\theta\phi}$-0.20 $M_{\phi r}$-1.08 NP1:ϕ_s350.00000°,δ62.00000°,λ-92.00000°. NP2:ϕ_s174.00000°,δ28.00000°,λ-87.00000°. $M_0$1.99000×10^{14}
IDC Error ellipse: s-maj=31.0km s-min=13.9km az=67.0.

ISC I 20 17 35 07.9–2.1 37.29N–.05 141.55E–.09 13–10 3.6b 26 1-74
IDC I 20 17 35 05.5–6.0 37.27N 141.69E 0 3.8b,3.7s **¶610234951**
JMA I 20 17 35 09.3–.18 37.3N–.30 141.5E–.90 26–1 3.6,3.7s
ISC Event type ke.
JMA Event type ke. E OFF FUKUSHIMA PREF .

ISC I 21 11 54 32.9–.43 40.58N–.03 142.50E–.04 48–3 4.7b,3.9s 378 1-146
MOS I 21 11 54 31.6–.85 40.65N 142.50E 49 4.9b,3.9s **¶610104788**
BJI I 21 11 54 31.5–.00 40.66N 142.50E 61 5.0b,4.6b
NIED I 21 11 54 31.1 40.56N 142.54E 29 4.5W,4.6b
JMA I 21 11 54 31.1–.14 40.6N–.30 142.5E–.60 29–1 4.5W,4.5
NEIC I 21 11 54 32.9–1.6 40.65N–.06 142.40E–.08 39–7 4.8b,4.5
IDC I 21 11 54 32.7–1.4 40.65N 142.50E 47–12 4.3,4.1b
ISC Event type ke. Moment Tensor Solution. NP1:ϕ_s180.56804°,δ25.18020°,λ75.52145°. NP2: ϕ_s16.49320°,δ65.67234°,λ96.70400°. Principal axes: T Plg68.6241°,Azm299.5830°; N Plg6.1063°,Azm193.7209°; P Plg20.4028°,Azm101.4404°
MOS Error ellipse: s-maj=7.4km s-min=4.5km az=102.9.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}2.89 $M_{\theta\theta}$-0.36 $M_{\phi\phi}$-2.53 $M_{r\theta}$2.30 $M_{\theta\phi}$-1.63 $M_{\phi r}$5.28 NP1:ϕ_s24.00000°,δ76.00000°,λ87.00000°. NP2:ϕ_s214.00000°,δ14.00000°,λ100.00000°. $M_0$6.57000×10^{15}
JMA Event type fe. E OFF AOMORI PREF .
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=7.2km az=133.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=15.2km s-min=8.8km az=115.0.

ISC I 21 13 13 02.9–1.2 36.81N–.05 140.59E–.04 3–11 18 0-57
JMA I 21 13 13 02.8–.03 36.82N–.09 140.6E–.20 5–0 2.6 **¶614112967**
IDC I 21 13 13 03.5–2.3 36.54N 140.49E 0 3.1s,3.1
ISC Event type ke.
JMA Event type ke. NORTHERN IBARAKI PREF .
IDC Error ellipse: s-maj=31.9km s-min=19.4km az=14.0.

ISC I 22 01 19 22.0–2.0 36.60N–.05 141.89E–.07 34–6 3.6b 42 1-151
IDC I 22 01 19 16.3–.84 36.58N 141.94E 0 3.7,3.6b **¶610207630**
NIED I 22 01 19 20.3 36.64N 141.80E 58 3.7W,3.6b
JMA I 22 01 19 20.3–.14 36.6N–.40 142E–1.0 58–3 3.9,3.6b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-3.32 $M_{\theta\theta}$0.60 $M_{\phi\phi}$2.72 $M_{r\theta}$-0.48 $M_{\theta\phi}$1.46 $M_{\phi r}$-0.21 NP1:ϕ_s33.00000°,δ49.00000°,λ-82.00000°. NP2:ϕ_s201.00000°,δ42.00000°,λ-99.00000°. $M_0$3.43000×10^{14}
JMA Event type ke. FAR E OFF IBARAKI PREF .

ISC I 22 15 25 06.2–1.9 37.24N–.04 141.61E–.06 2–11 3.5b 41 1-74
IDC I 22 15 25 05.9–.99 37.16N 141.83E 0 3.7s,3.7 **¶610235118**
JMA I 22 15 25 07.7–.15 37.3N–.30 141.5E–.70 30–1 4.2,4.1
ISC Event type ke.
JMA Event type fe. E OFF FUKUSHIMA PREF .

ISC I 22 23 14 31.2–2.3 37.35N–.05 141.67E–.09 12–11 24 1-44
IDC I 22 23 14 26.8–6.8 37.06N 142.10E 0 3.4b,3.3 **¶610235145**
JMA I 22 23 14 32.6–.17 37.4N–.40 141.6E–.80 30–1 3.4,3.3
ISC Event type ke.
JMA Event type ke. E OFF FUKUSHIMA PREF .

ISC I 23 18 55 57.3–1.6 40.52N–.04 142.60E–.05 15–10 29 1-75
IDC I 23 18 55 55.4–2.0 40.54N 142.53E 0 3.4,3.4b **¶610235213**
JMA I 23 18 55 59.3–.14 40.5N–.30 142.6E–.60 26–1 3.5,3.4b
ISC Event type ke.
JMA Event type ke. E OFF AOMORI PREF .

ISC I 23 20 55 02.4–2.0 37.31N–.05 141.69E–.07 1–11 3.6b 27 1-56
IDC I 23 20 55 00.8–6.0 37.16N 141.91E 0 3.7b,3.6 **¶610207632**
JMA I 23 20 55 05.8–.18 37.4N–.40 141.6E–.90 29–1 3.5,3.6
NIED I 23 20 55 05.8 37.35N 141.56E 29 3.4W,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=106.7km s-min=33.8km az=137.0.
JMA Event type ke. E OFF FUKUSHIMA PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-0.95 $M_{\theta\theta}$-0.24 $M_{\phi\phi}$1.19 $M_{r\theta}$-0.53 $M_{\theta\phi}$0.51 $M_{\phi r}$-0.17 NP1:ϕ_s43.00000°,δ59.00000°,λ-57.00000°. NP2:ϕ_s171.00000°,δ44.00000°,λ-132.00000°. $M_0$1.32000×10^{14}

ISC I 24 02 18 07.1–.97 35.81N–.05 140.24E–.06 52–9 3.7b 21 0-59
IDC I 24 02 17 58.2–2.2 36.08N 140.80E 0 3.5,3.5b **¶610235235**
JMA I 24 02 18 06.4–.13 35.9N–.30 140.2E–.50 53–1 2.9,3.5b
ISC Event type ke.
JMA Event type ke. SOUTHERN IBARAKI PREF .

ISC I 24 19 03 39.3–2.7 36.53N–.10 141.7E–.10 50 17 1-45
IDC I 24 19 03 39.8–2.7 36.53N 141.77E 119–20 3.5,2.9b **¶610235279**
JMA I 24 19 03 39.4–.17 36.5N–.40 142E–1.0 57–2 2.9,2.9b
ISC Event type ke.
JMA Event type ke. E OFF IBARAKI PREF .

ISC I 25 15 00 13.2–1.7 37.37N–.04 141.51E–.06 17–10 3.7b 50 1-147
IDC I 25 15 00 10.6–.78 37.36N 141.53E 0 3.7,3.7b **¶610207634**
JMA I 25 15 00 12.9–.16 37.4N–.40 141.7E–.80 31–1 4.1,4.1
NIED I 25 15 00 12.9 37.35N 141.66E 31 3.8W,4.1
ISC Event type ke.
IDC Error ellipse: s-maj=19.8km s-min=15.5km az=126.0.
JMA Event type fe. E OFF FUKUSHIMA PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-3.88 $M_{\theta\theta}$1.85 $M_{\phi\phi}$2.03 $M_{r\theta}$-0.04 $M_{\theta\phi}$2.45 $M_{\phi r}$-2.69 NP1:ϕ_s23.00000°,δ61.00000°,λ-113.00000°. NP2:ϕ_s244.00000°,δ36.00000°,λ-54.00000°. $M_0$4.95000×10^{14}

ISC I 25 15 51 47.5–1.8 37.32N–.04 141.65E–.07 6–11 29 1-155
IDC I 25 15 51 47.0–1.5 37.38N 141.68E 0 3.3,3.1b **¶610235332**
JMA I 25 15 51 49.4–.17 37.3N–.30 141.6E–.90 33–1 3.4,3.1b
ISC Event type ke.
JMA Event type ke. E OFF FUKUSHIMA PREF .

ISC I 25 21 47 26.8–2.4 37.19N–.05 141.37E–.09 4–14 3.5b 25 0-64
IDC I 25 21 47 26.3–1.1 37.05N 141.20E 0 3.4b,3.3 **¶614116822**
NIED I 25 21 47 27.5 37.20N 141.31E 23 3.7W,3.3
JMA I 25 21 47 27.5–.17 37.2N–.30 141.3E–.80 23–1 3.5,3.3
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-2.87 $M_{\theta\theta}$0.37 $M_{\phi\phi}$2.50 $M_{r\theta}$1.37 $M_{\theta\phi}$1.26 $M_{\phi r}$-0.99 NP1:ϕ_s1.00000°,δ54.00000°,λ-122.00000°. NP2:ϕ_s228.00000°,δ47.00000°,λ-54.00000°. $M_0$3.40000×10^{14}
JMA Event type ke. E OFF FUKUSHIMA PREF .

ISC I 26 05 45 43.8–1.4 38.90N–.06 142.0E–.10 50–8 3.9b 27 0-73
IDC I 26 05 45 35.0–1.8 39.07N 142.68E 0 3.9b,3.8 **¶610235363**
JMA I 26 05 45 44.4–.10 38.9N–.30 141.9E–.60 51–0 3.6,3.8
ISC Event type ke.
JMA Event type fe. KINKAZAN REGION .

ISC I 26 08 06 27.8–.22 40.19N–.02 142.45E–.03 31 5.3b,4.5s 1334 1-159
BJI I 26 08 06 24.5–.00 40.01N 142.65E 39 5.1b,5.0b **¶611831653**
NIED I 26 08 06 27.9 40.17N 142.46E 36 5.1W,5.0b
JMA I 26 08 06 27.9–.09 40.2N–.20 142.5E–.50 36–0 5.2,5.1W
MOS I 26 08 06 28.5–.86 40.25N 142.40E 47 5.6b,4.5s
IDC I 26 08 06 29.7–.46 40.17N 142.36E 46–3 5.2,4.9b
NEIC I 26 08 06 30.2–1.9 40.24N–.05 142.43E–.08 42–5 5.4b,5.1
GCMT I 26 08 06 31.2–.20 40.25N–.01 142.46E–.02 42–0 5.2W,5.1
BGR I 26 08 06 35.7 40.88N 142.29E 46–0 5.2b,4.7s
NEIC I 26 08 06 37.4 40.15N 142.58E 50 5.2b,4.7s
ISC Event type ke. Moment Tensor Solution. NP1:ϕ_s37.07205°,δ52.23656°,λ100.41933°. NP2: ϕ_s200.35889°,δ38.96682°,λ76.85915°. Principal axes: T Plg79.3632°,Azm350.9249°; N Plg8.2198°,Azm210.6470°; P Plg6.7045°,Azm119.6740°
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}3.36 $M_{\theta\theta}$0.24 $M_{\phi\phi}$-3.60 $M_{r\theta}$1.87 $M_{\theta\phi}$-0.63 $M_{\phi r}$3.34 NP1:ϕ_s24.00000°,δ69.00000°,λ102.00000°. NP2:ϕ_s174.00000°,δ24.00000°,λ62.00000°. $M_0$5.21000×10^{16}
JMA Event type fe. NE OFF IWATE PREF .
MOS Error ellipse: s-maj=5.8km s-min=3.6km az=109.5.
IDC Error ellipse: s-maj=9.6km s-min=8.3km az=109.0.
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=7.0km az=118.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}2.20 $M_{\theta\theta}$-0.23 $M_{\phi\phi}$-1.97 $M_{r\theta}$1.24 $M_{\theta\phi}$-0.14 $M_{\phi r}$3.14 NP1:ϕ_s175.69000°,δ16.84000°,λ67.98000°. NP2:ϕ_s18.60000°,δ74.42000°,λ96.48000°. Principal axes: T 4.1287,Plg60.0000°,Azm298.0000°; N -0.3280,Plg6.0000°,Azm197.0000°; P -3.8007,Plg29.0000°,Azm103.0000° $M_0$3.97000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s81,c104; s119,c193;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.68±.02 $M_{\theta\theta}$-0.07±.01; $M_{\phi\phi}$-0.60±.01; $M_{r\theta}$0.25±.01; $M_{\theta\phi}$-0.10±.01; $M_{\phi r}$0.41±.01; Best double couple: NP1:ϕ_s22.00000°,δ63.00000°,λ100.00000°. NP2:ϕ_s181.00000°,δ28.00000°,λ71.00000°. Principal axes: T 0.8510,Plg70.0000°,Azm313.0000°; N -0.0850,Plg9.0000°,Azm197.0000°; P -0.7650,Plg18.0000°,Azm105.0000° $M_0$0.80800×10^{17}
BGR Event type ke.
NEIC Event type se. Moment Tensor Solution.Duration: 1s8 Moment tensor: Scale 10^{16}Nm; M_{rr}4.35 $M_{\theta\theta}$-0.04 $M_{\phi\phi}$-4.31 $M_{r\theta}$0.95 $M_{\theta\phi}$-0.83 $M_{\phi r}$2.31 NP1:ϕ_s16.48000°,δ59.75000°,λ96.07000°. NP2:ϕ_s184.55000°,δ30.80000°,λ79.72000°. Principal axes: T 5.0355,Plg74.0000°,Azm303.0000°; N 0.0678,Plg5.0000°,Azm193.0000°; P -5.1033,Plg15.0000°,Azm102.0000° $M_0$5.07000×10^{16}

ISC I 26 18 24 41.1–.66 35.21N–.05 141.26E–.06 10 4.2b 55 1-147
IDC I 26 18 24 40.2–1.1 35.16N 141.18E 0 3.8,3.8b **¶610235405**
JMA I 26 18 24 43.5–.26 35.3N–.70 141E–1.0 28–2 3.4,3.8b
NEIC I 26 18 24 45.0–1.4 35.20N–.05 141.23E–.09 36–6 4.6b,3.8b
ISC Event type ke.
JMA Event type ke. E OFF BOSO PENINSULA .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC I 27 19 05 49.4–1.2 38.35N–.05 141.98E–.09 56–9 3.6b 38 0-62
IDC I 27 19 05 48.5–2.8 38.40N 142.31E 56–28 3.6,3.2L ¶610235493
JMA I 27 19 05 50.8–.09 38.4N–.20 141.8E–.50 58–0 3.7,3.2L
ISC Event type ke.
JMA Event type fe. E OFF MIYAGI PREF .
ISC I 28 17 43 17.2–.95 36.76N–.03 140.61E–.05 15–7 3.4b 18 0-60
IDC I 28 17 43 15.0–2.3 36.73N 140.68E 0 3.4,3.4b ¶610235580
JMA I 28 17 43 17.8–.04 36.8N–.10 140.6E–.20 9–0 3.4,3.4b
ISC Event type ke.
JMA Event type fe. NORTHERN IBARAKI PREF .
JMA I 28 18 14 05.4–.39 36N–1.0 141E–1.0 34–2 1.2
¶614119555
JMA Event type ke. NEAR CHOSHI CITY .
ISC I 28 18 27 60.0–.44 40.23N–.03 142.33E–.04 49–3 4.4b,3.6s 302 0-90
BJI I 28 18 27 56.7–.00 40.12N 142.54E 45 4.8b,4.4b ¶610147548
NIED I 28 18 27 59.7 40.23N 142.35E 36 4.2W,4.4b
JMA I 28 18 27 59.7–.10 40.2N–.20 142.4E–.60 36–0 4.7,4.2
MOS I 28 18 27 59.5–.88 40.33N 142.28E 53 4.6b,4.2
NEIC I 28 18 28 00.8–1.4 40.23N–.03 142.23E–.07 51–7 4.6b,4.2
IDC I 28 18 28 01.6–1.7 40.24N 142.28E 63–14 4.1,3.8b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}1.12 $M_{\theta\theta}$-0.05 $M_{\phi\phi}$-1.06 $M_{r\theta}$1.38 $M_{\theta\phi}$-0.36 $M_{\phi r}$1.37 NP1:ϕ_s41.00000°,δ76.00000°,λ102.00000°. NP2:ϕ_s180.00000° ,δ19.00000°,λ51.00000°. $M_0$2.25000×10^{15}
JMA Event type fe. NE OFF IWATE PREF .
MOS Error ellipse: s-maj=8.4km s-min=5.3km az=98.6.
NEIC Event type se. Error ellipse: s-maj=8.9km s-min=2.8km az=63.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=15.5km s-min=10.2km az=112.0.
ISC I 28 20 25 31.7–.98 38.27N–.04 141.80E–.07 48–8 3.9b 77 0-78
NEIC I 28 20 25 31.9–2.3 38.27N–.05 141.8E–.10 41–9 4.1b ¶610235591
JMA I 28 20 25 32.9–.09 38.3N–.20 141.6E–.40 54–0 3.9
IDC I 28 20 25 32.1–2.2 38.37N 142.03E 62–19 3.8,3.5b
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=6.7km az=108.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. KINKAZAN REGION .
IDC Error ellipse: s-maj=23.7km s-min=12.0km az=106.0.
JMA I 28 21 00 10.3–.15 37.2N–.30 141.3E–.70 15–1 0.7
¶614119678
JMA Event type ke. E OFF FUKUSHIMA PREF .
ISC I 30 06 49 13.3–1.2 38.66N–.04 142.00E–.09 56–8 3.2b 32 0-62
IDC I 30 06 49 08.7–2.1 39.13N 141.81E 0 3.5b,3.4 ¶610235698
JMA I 30 06 49 14.0–.08 38.7N–.20 141.9E–.40 58–0 3.9,3.4
ISC Event type ke.
JMA Event type fe. KINKAZAN REGION .
ISC I 31 18 42 59.8–2.3 38.32N–.04 142.35E–.05 9–14 4.3b,3.0s 130 1-82
MOS I 31 18 42 58.9–1.1 38.35N 142.36E 14 4.6b,3.0s ¶610169717
IDC I 31 18 42 59.6–.66 38.30N 142.22E 0 3.8,3.8b
JMA I 31 18 43 01.8–.17 38.4N–.40 142.3E–.80 28–1 4.5,4.2
NEIC I 31 18 43 01.3–2.0 38.28N–.06 142.37E–.09 17–2 4.6b,4.2
NIED I 31 18 43 01.8 38.39N 142.28E 28 4.0W,4.2
ISC Event type ke.
MOS Error ellipse: s-maj=10.8km s-min=6.5km az=84.4.
IDC Error ellipse: s-maj=18.2km s-min=12.3km az=125.0.
JMA Event type fe. E OFF MIYAGI PREF .
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=7.2km az=123.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.41 $M_{\theta\theta}$0.04 $M_{\phi\phi}$0.37 $M_{r\theta}$0.85 $M_{\theta\phi}$-0.72 $M_{\phi r}$-0.15 NP1:ϕ_s286.00000°,δ77.00000°,λ-126.00000°. NP2:ϕ_s179.00000° ,δ38.00000°,λ-21.00000°. $M_0$1.19000×10^{15}
ISC II 01 16 25 06.9–2.1 37.37N–.05 141.93E–.08 16–11 27 1-57
IDC II 01 16 25 04.0–2.5 37.33N 142.29E 0 3.9s,3.4b ¶610414618
JMA II 01 16 25 09.1–.20 37.4N–.50 142E–1.0 41–3 3.5,3.4b
ISC Event type ke.
JMA Event type ke. E OFF FUKUSHIMA PREF .
ISC II 02 13 25 21.2–1.2 35.07N–.05 140.74E–.07 48–9 22 0-59
JMA II 02 13 25 20.5–.18 35.1N–.50 140.8E–.80 49–2 2.8 ¶610414678
IDC II 02 13 25 21.5–1.9 34.28N 139.00E 0 3.4b,3.3
ISC Event type ke.
JMA Event type ke. E OFF BOSO PENINSULA .
IDC Error ellipse: s-maj=94.7km s-min=22.5km az=81.0.
ISC II 02 17 38 32.0–.69 35.35N–.04 140.43E–.05 58–5 4.2b 71 0-75
IDC II 02 17 38 31.0–1.9 35.33N 140.51E 49–16 3.8,3.5b ¶610247211
JMA II 02 17 38 31.8–.19 35.4N–.50 140.4E–.90 59–1 3.5,3.5b
NIED II 02 17 38 31.8 35.41N 140.41E 59 3.9W,3.5b
NEIC II 02 17 38 32.9–.95 35.35N–.05 140.4E–.10 59–7 4.5b,3.5b
ISC Event type ke.
JMA Event type fe. KUJUKURI COAST BOSO PEN .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}4.57 $M_{\theta\theta}$-0.22 $M_{\phi\phi}$-4.35 $M_{r\theta}$0.97 $M_{\theta\phi}$0.92 $M_{\phi r}$5.53 NP1:ϕ_s4.00000°,δ71.00000°,λ101.00000°. NP2:ϕ_s154.00000° ,δ22.00000°,λ62.00000°. $M_0$7.22000×10^{14}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 03 11 58 33.6–.55 36.24N–.04 141.02E–.06 40–5 4.1b 87 0-147
JMA II 03 11 58 33.1–.13 36.2N–.30 140.9E–.80 47–1 3.9 ¶610197709
NEIC II 03 11 58 34.0–2.3 36.27N–.06 141.1E–.10 37–8 4.3b
NIED II 03 11 58 33.1 36.22N 140.94E 47 4.1W
IDC II 03 11 58 36.0–2.0 36.13N 140.90E 64–19 3.8,3.5b
ISC Event type ke.
JMA Event type fe. E OFF IBARAKI PREF .
NEIC Event type se. Error ellipse: s-maj=12.3km s-min=7.9km az=105.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.77 $M_{\theta\theta}$0.88 $M_{\phi\phi}$-0.10 $M_{r\theta}$0.70 $M_{\theta\phi}$-0.16 $M_{\phi r}$0.96 NP1:ϕ_s237.00000°,δ74.00000°,λ-116.00000°. NP2:ϕ_s118.00000° ,δ30.00000°,λ-33.00000°. $M_0$1.40000×10^{15}
IDC Error ellipse: s-maj=18.5km s-min=9.6km az=68.0.
ISC II 03 14 15 32.2–.73 37.23N–.03 141.44E–.04 24–4 4.7b,4.1s 403 0-151
BJI II 03 14 15 27.5–.00 37.11N 141.35E 8 4.9b,4.5b ¶614124404
IDC II 03 14 15 28.0–.46 37.17N 141.45E 0 4.6,4.6b
JMA II 03 14 15 30.2–.21 37.2N–.40 141E–1.0 27–1 4.9,4.4W
NIED II 03 14 15 30.2 37.19N 141.48E 27 4.4W,4.4W
MOS II 03 14 15 31.0–.90 37.41N 141.36E 21 5.1b,4.4W
NEIC II 03 14 15 34.0–1.2 37.37N–.06 141.31E–.09 25–5 4.8b,4.4W
ISC Event type ke.
JMA Event type ke. E OFF FUKUSHIMA PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-4.28 $M_{\theta\theta}$3.27 $M_{\phi\phi}$1.01 $M_{r\theta}$0.78 $M_{\theta\phi}$2.57 $M_{\phi r}$-0.68 NP1:ϕ_s251.00000°,δ48.00000°,λ-71.00000°. NP2:ϕ_s43.00000° ,δ45.00000°,λ-111.00000°. $M_0$4.75000×10^{15}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 04 01 51 13.0–1.6 37.19N–.04 141.45E–.06 15–10 3.6b 32 0-69
IDC II 04 01 51 09.9–1.2 37.26N 141.66E 0 3.5,3.5b ¶610247224
NIED II 04 01 51 14.0 37.18N 141.37E 27 3.6W,3.5b
JMA II 04 01 51 14.0–.20 37.2N–.40 141.4E–1.0 27–1 3.5,3.5b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-0.89 $M_{\theta\theta}$-0.31 $M_{\phi\phi}$1.20 $M_{r\theta}$1.48 $M_{\theta\phi}$1.07 $M_{\phi r}$1.75 NP1:ϕ_s223.00000°,δ76.00000°,λ-76.00000°. NP2:ϕ_s357.00000° ,δ19.00000°,λ-134.00000°. $M_0$2.68000×10^{14}
JMA Event type ke. E OFF FUKUSHIMA PREF .
ISC II 04 08 51 43.3–1.1 35.52N–.04 141.05E–.06 34–2 3.6b 38 0-147
JMA II 04 08 51 43.4–.17 35.5N–.50 141.0E–.90 39–1 3.2 ¶610414799
IDC II 04 08 51 44.1–2.3 35.51N 140.93E 42–23 3.7,3.5b
ISC Event type ke.
JMA Event type ke. NEAR CHOSHI CITY .
IDC Error ellipse: s-maj=24.4km s-min=10.3km az=74.0.
ISC II 04 12 34 54.2–2.2 37.60N–.05 141.95E–.08 14–11 25 1-58
IDC II 04 12 34 55.0–2.5 37.21N 142.05E 0 3.3,3.3b ¶610414816
JMA II 04 12 34 55.8–.15 37.6N–.30 141.9E–.70 29–2 3.6,3.3b
ISC Event type ke.
JMA Event type ke. E OFF FUKUSHIMA PREF .
ISC II 05 00 16 52.2–1.1 40.14N–.04 142.41E–.07 44–10 4.1b 72 0-77
NIED II 05 00 16 51.2 40.15N 142.44E 35 3.8W ¶610247228
JMA II 05 00 16 51.2–.12 40.2N–.30 142.4E–.70 35–1 4.1,3.7
IDC II 05 00 16 53.0–2.4 40.17N 142.52E 56–18 3.8,3.6b
NEIC II 05 00 16 53.9–1.7 40.22N–.06 142.36E–.07 57–3 4.2b,3.6b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}4.04 $M_{\theta\theta}$-0.44 $M_{\phi\phi}$-3.61 $M_{r\theta}$1.71 $M_{\theta\phi}$-1.16 $M_{\phi r}$4.78 NP1:ϕ_s19.00000°,δ71.00000°,λ91.00000°. NP2:ϕ_s197.00000° ,δ19.00000°,λ88.00000°. $M_0$6.47000×10^{14}
JMA Event type fe. NE OFF IWATE PREF .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 05 17 13 55.8–1.3 35.15N–.06 141.3E–.10 27 3.6b 14 1-59
IDC II 05 17 13 51.4–1.7 35.19N 141.58E 0 3.6b,3.5 ¶610414896
JMA II 05 17 13 55.0–.29 35.1N–.50 141E–2.0 25–4 2.5,3.5
ISC Event type ke.
JMA Event type ke. E OFF BOSO PENINSULA .
ISC II 05 21 32 18.8–.64 36.31N–.05 141.68E–.06 26 3.8b 60 1-80
IDC II 05 21 32 15.7–1.2 36.36N 141.67E 0 4.1s,3.7 ¶614126656
NIED II 05 21 32 19.7 36.31N 141.54E 57 3.7W,3.7
JMA II 05 21 32 19.7–.24 36.3N–.40 142E–1.0 57–3 3.6,3.7
NEIC II 05 21 32 19.8–1.3 36.38N–.08 141.8E–.10 39–9 4.3b,3.7
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}1.76 $M_{\theta\theta}$0.31 $M_{\phi\phi}$-2.07 $M_{r\theta}$1.46 $M_{\theta\phi}$-1.62 $M_{\phi r}$2.74 NP1:ϕ_s28.00000°,δ72.00000°,λ91.00000°. NP2:ϕ_s204.00000° ,δ18.00000°,λ86.00000°. $M_0$3.88000×10^{14}
JMA Event type ke. FAR E OFF IBARAKI PREF .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 06 02 27 28.3–.68 38.51N–.05 141.83E–.06 59–4 4.3b,3.6s 214 0-147
MOS II 06 02 27 27.4–.98 38.53N 141.82E 62 4.6b,3.6s ¶610197726
NEIC II 06 02 27 28.1–1.2 38.50N–.07 141.8E–.10 55–7 4.5b,3.6s
NIED II 06 02 27 28.3 38.53N 141.81E 50 4.2W,3.6s
JMA II 06 02 27 28.3–.11 38.5N–.20 141.8E–.60 50–0 4.4,4.1
IDC II 06 02 27 29.6–1.8 38.57N 141.87E 66–15 4.1,3.8b
ISC Event type ke.
MOS Error ellipse: s-maj=9.5km s-min=5.9km az=110.0.
NEIC Event type se. Error ellipse: s-maj=14.9km s-min=7.1km az=124.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}1.30 $M_{\theta\theta}$-0.22 $M_{\phi\phi}$-1.08 $M_{r\theta}$0.42 $M_{\theta\phi}$-0.42 $M_{\phi r}$1.58 NP1:ϕ_s16.00000°,δ71.00000°,λ87.00000°. NP2:ϕ_s207.00000° ,δ19.00000°,λ100.00000°. $M_0$2.07000×10^{15}
JMA Event type fe. KINKAZAN REGION .
IDC Error ellipse: s-maj=16.5km s-min=9.7km az=121.0.
ISC II 06 06 24 48.3–.85 35.83N–.04 140.95E–.05 26–5 4.1b,3.2s 70 0-147
NIED II 06 06 24 47.1 35.79N 141.05E 27 4.0W,3.2s ¶610198149
JMA II 06 06 24 47.1–.22 35.8N–.60 141E–1.0 27–1 3.9,3.2s
NEIC II 06 06 24 52.1–1.9 36.15N–.06 140.8E–.10 47–9 4.4b,3.2s
IDC II 06 06 24 53.2–2.3 35.54N 140.56E 61–20 3.8,3.4b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.39 $M_{\theta\theta}$0.18 $M_{\phi\phi}$0.21 $M_{r\theta}$1.14 $M_{\theta\phi}$-0.48 $M_{\phi r}$0.48 NP1:ϕ_s260.00000°,δ84.00000°,λ-111.00000°. NP2:ϕ_s155.00000° ,δ22.00000°,λ-16.00000°. $M_0$1.31000×10^{15}
JMA Event type fe. NEAR CHOSHI CITY .
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=7.9km az=108.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=26.1km s-min=8.8km az=66.0.
ISC II 06 21 16 10.9–2.0 37.33N–.04 141.90E–.06 25–13 4.2b,3.1s 100 1-147
NIED II 06 21 16 10.9 37.31N 141.92E 40 4.1W,3.1s ¶610247232
JMA II 06 21 16 10.9–.21 37.3N–.50 142E–1.0 40–3 4.3,4.1
IDC II 06 21 16 13.2–2.3 37.25N 141.85E 41–23 4.0,3.7b
NEIC II 06 21 16 15.2–1.7 37.57N–.07 141.69E–.08 47–8 4.4b,3.7b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}1.18 $M_{\theta\theta}$-0.83 $M_{\phi\phi}$-0.35 $M_{r\theta}$0.80 $M_{\theta\phi}$0.84 $M_{\phi r}$0.55 NP1:ϕ_s98.00000°,δ60.00000°,λ54.00000°. NP2:ϕ_s334.00000° ,δ46.00000°,λ136.00000°. $M_0$1.64000×10^{15}
JMA Event type fe. E OFF FUKUSHIMA PREF .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 07 08 56 14.1–.84 35.16N–.03 140.13E–.04 32–6 3.6b 29 0-59
IDC II 07 08 56 09.6–2.3 35.12N 140.20E 0 3.4,3.4b ¶610415030
JMA II 07 08 56 14.0–.19 35.2N–.50 140.2E–.80 34–1 2.9,3.4b
ISC Event type ke.
JMA Event type fe. SOUTHERN BOSO PENINSULA .
JMA II 07 11 03 53.8–.13 36.7N–.30 140.6E–.70 4–1
¶616051073
JMA Event type ke. NORTHERN IBARAKI PREF .
ISC II 07 11 03 55.8–.84 36.74N–.02 140.59E–.04 10–5 4.4b,3.3s 234 0-148
IDC II 07 11 03 54.7–.49 36.87N 140.58E 0 4.2,4.2b ¶614127691
NIED II 07 11 03 56.0 36.71N 140.63E 6 4.2W,4.2b
JMA II 07 11 03 56.0–.04 36.7N–.10 140.6E–.20 6–0 4.4,4.2
MOS II 07 11 03 58.8–.91 36.92N 140.50E 36 4.6b,4.2
NEIC II 07 11 03 60.0–2.1 36.76N–.02 140.58E–.08 36–7 4.6b,4.2
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-1.43 $M_{\theta\theta}$0.21 $M_{\phi\phi}$1.22 $M_{r\theta}$-1.12 $M_{\theta\phi}$-0.82 $M_{\phi r}$0.59 NP1:ϕ_s131.00000°,δ65.00000°,λ-110.00000°. NP2:ϕ_s351.00000° ,δ31.00000°,λ-54.00000°. $M_0$2.01000×10^{15}
JMA Event type fe. NORTHERN IBARAKI PREF .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 07 18 54 09.4–2.7 37.30N–.05 141.86E–.07 25–19 3.4b 31 1-61
IDC II 07 18 54 05.9–1.1 37.33N 142.06E 0 3.5,3.4b ¶610415062
JMA II 07 18 54 10.4–.22 37.3N–.60 142E–1.0 40–3 3.8,3.4b
ISC Event type ke.
JMA Event type ke. E OFF FUKUSHIMA PREF .
ISC II 07 19 44 53.5–1.2 36.19N–.05 140.94E–.08 42–9 3.3b 20 0-65
IDC II 07 19 44 51.0–1.1 35.58N 140.36E 0 3.3,3.3b ¶610247236
NIED II 07 19 44 53.6 36.17N 140.89E 44 3.6W,3.3b
JMA II 07 19 44 53.6–.14 36.2N–.30 140.9E–.80 44–1 3.5,3.3b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}3.14 $M_{\theta\theta}$-0.34 $M_{\phi\phi}$-2.80 $M_{r\theta}$-1.35 $M_{\theta\phi}$0.01 $M_{\phi r}$0.77 NP1:ϕ_s340.00000°,δ56.00000°,λ69.00000°. NP2:ϕ_s195.00000° ,δ40.00000°,λ118.00000°. $M_0$3.29000×10^{14}
JMA Event type fe. E OFF IBARAKI PREF .
ISC II 08 00 06 22.1–1.8 37.22N–.04 141.49E–.05 17–10 4.2b 113 1-147
IDC II 08 00 06 20.9–1.1 37.29N 141.33E 0 4.0,4.0b ¶610243783
MOS II 08 00 06 21.1–1.1 37.29N 141.43E 22 4.6b,4.0b
JMA II 08 00 06 22.9–.11 37.2N–.20 141.4E–.60 29–0 4.2,4.0
NEIC II 08 00 06 22.9–1.5 37.29N–.05 141.42E–.07 23–5 4.5b,4.0
ISC Event type ke.
JMA Event type fe. E OFF FUKUSHIMA PREF .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 08 18 31 42.9–1.2 38.46N–.05 141.68E–.08 57–7 26 0-58
IDC II 08 18 31 32.2–2.7 38.71N 142.51E 0 3.4b,3.3 ¶610415136
JMA II 08 18 31 43.6–.09 38.5N–.20 141.6E–.40 56–0 3.2,3.3
ISC Event type ke.
JMA Event type fe. KINKAZAN REGION .
ISC II 08 20 08 51.2–2.1 37.03N–.05 141.21E–.08 16–12 3.6b 35 0-74
IDC II 08 20 08 48.7–.90 37.13N 141.33E 0 3.7,3.7b ¶614129345
NIED II 08 20 08 52.1 37.01N 141.17E 23 3.6W,3.7b
JMA II 08 20 08 52.1–.09 37.0N–.20 141.2E–.40 23–0 4.0,4.0
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-2.04 $M_{\theta\theta}$0.65 $M_{\phi\phi}$1.39 $M_{r\theta}$-0.38 $M_{\theta\phi}$1.53 $M_{\phi r}$0.73 NP1:ϕ_s198.00000°,δ53.00000°,λ-118.00000°. NP2:ϕ_s59.00000° ,δ45.00000°,λ-58.00000°. $M_0$2.49000×10^{14}

JMA Event type fe. E OFF FUKUSHIMA PREF .
JMA II 08 20 53 40.3–.11 38.3N–.30 141.9E–.60 46–0 3.3
¶614129376
JMA Event type ke. E OFF MIYAGI PREF .
ISC II 09 05 07 14.6–1.4 36.46N–.04 141.17E–.07 29–9 3.9b 64 0-147
JMA II 09 05 07 14.7–.13 36.5N–.30 141.1E–.80 45–1 4.3,4.0 ¶614129679
NIED II 09 05 07 14.7 36.46N 141.10E 45 3.9W,4.0
NEIC II 09 05 07 15.6–1.7 36.46N–.06 141.2E–.10 41–9 4.2b,4.0
IDC II 09 05 07 17.4–2.7 36.38N 141.11E 58–25 3.9,3.6b
ISC Event type ke.
JMA Event type fe. E OFF IBARAKI PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-0.26 $M_{\theta\theta}$-0.04 $M_{\phi\phi}$0.30 $M_{r\theta}$2.42 $M_{\theta\phi}$-1.03 $M_{\phi r}$6.37 NP1:ϕ_s20.00000°,δ90.00000°,λ82.00000°. NP2:ϕ_s288.00000° ,δ8.00000°,λ178.00000°. $M_0$6.88000×10^{14}
NEIC Event type se. Error ellipse: s-maj=15.8km s-min=8.8km az=97.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=21.8km s-min=11.2km az=65.0.
ISC II 09 15 00 32.3–1.2 36.71N–.02 140.58E–.04 1–10 3.6b 27 0-60
JMA II 09 15 00 32.0–.04 36.7N–.10 140.6E–.20 6–0 3.3 ¶610415178
IDC II 09 15 00 32.3–1.1 36.62N 140.59E 0 3.6,3.6b
ISC Event type ke.
JMA Event type fe. NORTHERN IBARAKI PREF .
IDC Error ellipse: s-maj=24.8km s-min=22.0km az=84.0.
ISC II 09 21 33 01.6–.78 35.37N–.05 141.10E–.06 33 3.5b 29 0-147
IDC II 09 21 32 56.8–1.0 35.21N 141.16E 0 3.5,3.5b ¶610415200
JMA II 09 21 32 59.8–.20 35.4N–.50 141E–1.0 31–2 3.4,3.5b
ISC Event type ke.
JMA Event type ke. E OFF BOSO PENINSULA .
ISC II 10 03 18 36.3–2.1 36.30N–.08 140.92E–.09 25–14 17 0-56
IDC II 10 03 18 31.5–2.8 36.57N 141.16E 0 3.3s,3.3b ¶610415209
JMA II 10 03 18 36.8–.13 36.2N–.30 140.8E–.80 47–1 3.4,3.3b
ISC Event type ke.
JMA Event type fe. E OFF IBARAKI PREF .
ISC II 10 16 09 09.6–.63 38.30N–.04 142.06E–.07 36–1 4.0b 61 0-89
JMA II 10 16 09 08.8–.15 38.3N–.40 142.1E–.80 37–1 4.6,4.1 ¶610243790
IDC II 10 16 09 09.5–.64 38.26N 141.96E 38–5 3.9,3.8L
ISC Event type ke.
JMA Event type fe. E OFF MIYAGI PREF .
IDC Error ellipse: s-maj=16.1km s-min=12.3km az=102.0.
JMA II 10 18 13 11.0–.07 37.2N–.10 141.3E–.30 13–0 1.5
¶614130677
JMA Event type ke. E OFF FUKUSHIMA PREF .
JMA II 10 21 05 04.5–.05 36.7N–.10 140.7E–.20 5–0 0.6
¶610208113
JMA Event type ke. NORTHERN IBARAKI PREF .
ISC II 10 21 05 29.0–.40 37.27N–.03 141.66E–.03 30–2 5.4b,4.9s 1566 1-157
IDC II 10 21 05 24.2–.39 37.20N 141.62E 0 5.1,5.1b ¶614130796
MOS II 10 21 05 25.9–.83 37.39N 141.56E 15 5.5b,5.2s
JMA II 10 21 05 26.8–.20 37.2N–.50 142E–1.0 41–2 5.4,5.2W
NIED II 10 21 05 26.8 37.18N 141.72E 41 5.2W,5.2W
NEIC II 10 21 05 26.6–1.2 37.28N–.04 141.70E–.06 7–2 5.4b,5.2
BJI II 10 21 05 26.0–.00 37.29N 141.75E 33 5.1b,5.1b
GCMT II 10 21 05 29.5–.20 37.25N–.01 141.74E–.01 22–0 5.2W,5.1b
NEIC II 10 21 05 33 37.34N 141.62E 22 5.2W,5.1b
BGR II 10 21 05 33.6 37.56N 141.37E 33 5.1b,5.0s
ISC Event type ke. Moment Tensor Solution. NP1:ϕ_s59.03161°,δ74.00081°,λ-81.65443°. NP2: ϕ_s211.00816°,δ17.99445°,λ-116.84859°. Principal axes: T Plg28.5304°,Azm142.3232° ; N Plg8.0201°,Azm236.7162°; P Plg60.1596°,Azm340.9348°
IDC Error ellipse: s-maj=14.1km s-min=9.7km az=91.0.
MOS Error ellipse: s-maj=5.4km s-min=3.2km az=110.1.
JMA Event type fe. E OFF FUKUSHIMA PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}-4.41 $M_{\theta\theta}$2.04 $M_{\phi\phi}$2.37 $M_{r\theta}$-3.36 $M_{\theta\phi}$2.27 $M_{\phi r}$-2.11 NP1:ϕ_s53.00000°,δ66.00000°,λ-82.00000°. NP2:ϕ_s213.00000° ,δ25.00000°,λ-108.00000°. $M_0$5.96000×10^{16}
NEIC Event type se. Error ellipse: s-maj=7.3km s-min=4.8km az=61.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-2.02 $M_{\theta\theta}$0.72 $M_{\phi\phi}$1.30 $M_{r\theta}$-3.59 $M_{\theta\phi}$0.79 $M_{\phi r}$-2.26 NP1:ϕ_s203.57000°,δ13.70000°,λ-120.93000°. NP2:ϕ_s55.24000°,δ78.28000° ,λ-82.86000°. Principal axes: T 4.4634,Plg33.0000°,Azm139.0000°; N 0.3807,Plg7.0000° ,Azm234.0000°; P -4.8440,Plg56.0000°,Azm334.0000° $M_0$4.67000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s96,c149; s140,c241;Duration: 1^{s}0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.88±.02 $M_{\theta\theta}$0.38±.01; $M_{\phi\phi}$0.49±.01; $M_{r\theta}$-0.44±.02; $M_{\theta\phi}$0.27±.01; $M_{\phi r}$-0.18±.02; Best double couple: NP1:ϕ_s52.00000°,δ60.00000°,λ-80.00000°. NP2:ϕ_s211.00000°,δ32.00000°,λ-107.00000°. Principal axes: T 0.8250,Plg14.0000° ,Azm134.0000°; N 0.2010,Plg9.0000°,Azm226.0000°; P -1.0270,Plg73.0000°,Azm348.0000° $M_0$0.92600×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 8^{s}0 Moment tensor: Scale 10^{16}Nm; M_{rr}-6.28 $M_{\theta\theta}$2.41 $M_{\phi\phi}$3.87 $M_{r\theta}$-5.58 $M_{\theta\phi}$2.01 $M_{\phi r}$-4.23 NP1:ϕ_s208.00000°,δ21.00000° ,λ-108.00000°. NP2:ϕ_s48.00000°,δ70.00000°,λ-83.00000°. Principal axes: T 8.4279,Plg25.0000°,Azm133.0000°; N 1.2524,Plg6.0000°,Azm226.0000° ; P -9.6802,Plg64.0000°,Azm329.0000° $M_0$9.12000×10^{16}
ISC Event type ke. Hypocentre not reviewed by the ISC.
JMA II 10 21 05 29.9–.03 36.70N–.08 140.6E–.10 5–0
¶614130800
JMA Event type ke. NORTHERN IBARAKI PREF .
ISC II 10 21 39 00.3–1.3 37.11N–.03 141.31E–.05 23–8 4.3b 166 0-151
IDC II 10 21 38 56.7–.58 37.10N 141.30E 0 4.1,4.1b ¶614130833
MOS II 10 21 38 57.0–.87 37.13N 141.32E 14 4.5b,4.1b
JMA II 10 21 38 58.9–.14 37.1N–.30 141.4E–.80 32–0 4.5,4.4
NIED II 10 21 38 58.9 37.10N 141.35E 32 4.2W,4.4
NEIC II 10 21 38 59.3–1.9 37.15N–.04 141.36E–.06 10–1 4.4b,4.1
ISC Event type ke.
JMA Event type fe. E OFF FUKUSHIMA PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-1.69 $M_{\theta\theta}$0.01 $M_{\phi\phi}$1.68 $M_{r\theta}$-0.36 $M_{\theta\phi}$0.75 $M_{\phi r}$0.84 NP1:ϕ_s182.00000°,δ58.00000°,λ-112.00000°. NP2:ϕ_s40.00000° ,δ38.00000°,λ-59.00000°. $M_0$2.06000×10^{15}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-1.36 $M_{\theta\theta}$-0.01 $M_{\phi\phi}$1.37 $M_{r\theta}$-0.42 $M_{\theta\phi}$0.43 $M_{\phi r}$0.44 NP1:ϕ_s176.93000°,δ54.43000°,λ-114.32000°. NP2:ϕ_s34.79000°,δ42.16000° ,λ-60.06000°. Principal axes: T 1.5328,Plg6.0000°,Azm284.0000°; N 0.0481,Plg20.0000° ,Azm192.0000°; P -1.5809,Plg69.0000°,Azm31.0000° $M_0$1.56000×10^{15}
ISC II 11 00 06 07.7–2.0 37.13N–.05 141.55E–.07 11–11 3.5b 23 1-147
IDC II 11 00 06 06.5–1.2 37.15N 141.53E 0 3.5,3.4b ¶610415268
JMA II 11 00 06 09.5–.19 37.2N–.40 141.5E–1.0 29–1 3.7,3.4b
ISC Event type ke.
JMA Event type fe. E OFF FUKUSHIMA PREF .
ISC II 11 00 11 14.8–2.4 37.22N–.07 141.6E–.10 27–15 3.3b 18 1-64
JMA II 11 00 11 13.6–.21 37.2N–.40 141.7E–1.0 31–2 3.3 ¶610415269
IDC II 11 00 11 13.1–3.6 37.60N 141.55E 0 3.5s,3.3
ISC Event type ke.
JMA Event type ke. E OFF FUKUSHIMA PREF .
IDC Error ellipse: s-maj=111.4km s-min=24.7km az=153.0.
ISC II 11 07 33 38.3–1.6 36.63N–.04 141.01E–.09 25–9 3.8b 32 0-147
JMA II 11 07 33 37.7–.10 36.6N–.20 141E–1.50 30–1 3.5 ¶610415296
IDC II 11 07 33 47.4–3.0 36.45N 140.35E 93–24 3.8,3.5b
ISC Event type ke.
JMA Event type fe. E OFF IBARAKI PREF .
IDC Error ellipse: s-maj=32.3km s-min=19.2km az=78.0.
ISC II 11 12 03 23.9–1.6 37.19N–.04 141.40E–.06 12–9 3.7b 50 0-147
IDC II 11 12 03 22.4–.70 37.24N 141.26E 0 3.7,3.7b ¶610247243
NIED II 11 12 03 25.2 37.22N 141.30E 24 3.7W,3.7b
JMA II 11 12 03 25.2–.16 37.2N–.30 141.3E–.80 24–1 3.8,3.7b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-3.81 $M_{\theta\theta}$2.50 $M_{\phi\phi}$1.31 $M_{r\theta}$0.08 $M_{\theta\phi}$1.85 $M_{\phi r}$0.27 NP1:ϕ_s231.00000°,δ47.00000°,λ-93.00000°. NP2:ϕ_s56.00000° ,δ43.00000°,λ-86.00000°. $M_0$3.84000×10^{14}
JMA Event type fe. E OFF FUKUSHIMA PREF .
JMA II 11 20 27 58.3–.05 36.8N–.20 140.6E–.30 5–0 0.2
¶614131603
JMA Event type ke. NORTHERN IBARAKI PREF .
ISC II 12 13 36 54.5–.28 40.20N–.03 142.27E–.03 48–2 5.0b,4.1s 998 0-155
NIED II 12 13 36 54.0 40.16N 142.37E 36 4.7W,4.1s ¶611831795
IDC II 12 13 36 53.9–1.9 40.17N 142.32E 40–16 4.8,4.5b
JMA II 12 13 36 54.0–.13 40.2N–.30 142.4E–.70 36–1 4.8,4.7W
MOS II 12 13 36 53.5–.88 40.27N 142.27E 48 5.1b,4.7W
BJI II 12 13 36 54.0–.00 40.20N 142.33E 70 5.0b,4.9b
NEIC II 12 13 36 55.0–1.5 40.22N–.05 142.31E–.07 44–5 5.0b,4.9b
ISC Event type ke. Moment Tensor Solution. NP1:ϕ_s206.74352°,δ88.02379°,λ-116.73631°. NP2: ϕ_s112.82734°,δ26.80388°,λ-4.38586°. Principal axes: T Plg37.3547°,Azm320.3342° ; N Plg26.7191°,Azm207.7387°; P Plg40.9588°,Azm91.8303°
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}0.68 $M_{\theta\theta}$-0.05 $M_{\phi\phi}$-0.63 $M_{r\theta}$0.54 $M_{\theta\phi}$-0.09 $M_{\phi r}$0.87 NP1:ϕ_s28.00000°,δ74.00000°,λ99.00000°. NP2:ϕ_s176.00000° ,δ18.00000°,λ60.00000°. $M_0$1.22000×10^{16}
JMA Event type fe. NE OFF IWATE PREF .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 14 06 50 33.6–1.7 37.38N–.04 141.59E–.06 10–10 4.0b,3.1s 57 1-146
JMA II 14 06 50 33.5–.17 37.4N–.30 141.6E–.80 25–1 4.4,4.3 ¶610208954
NIED II 14 06 50 33.5 37.40N 141.62E 25 3.9W,4.3
IDC II 14 06 50 36.6–5.0 37.37N 141.51E 30–36 3.9,3.8b
ISC Event type ke.
JMA Event type fe. E OFF FUKUSHIMA PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-7.65 $M_{\theta\theta}$3.67 $M_{\phi\phi}$3.98 $M_{r\theta}$2.03 $M_{\theta\phi}$4.64 $M_{\phi r}$-1.30 NP1:ϕ_s241.00000°,δ49.00000°,λ-67.00000°. NP2:ϕ_s27.00000° ,δ46.00000°,λ-114.00000°. $M_0$8.44000×10^{14}
IDC Error ellipse: s-maj=19.0km s-min=13.8km az=104.0.
JMA II 15 01 10 57.9–.23 37.2N–.50 141E–1.0 23–1 1.2
¶614134336
JMA Event type ke. E OFF FUKUSHIMA PREF .
ISC II 16 08 01 20.2–.58 36.07N–.04 141.72E–.06 26 3.8b 39 1-147
IDC II 16 08 01 16.6–.69 35.98N 141.86E 0 3.8,3.8b ¶610247249
NIED II 16 08 01 21.1 36.15N 141.61E 43 4.1W,3.8b
JMA II 16 08 01 21.1–.29 36.1N–.60 142E–2.0 43–4 3.9,3.8b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.05 $M_{\theta\theta}$0.40 $M_{\phi\phi}$-0.46 $M_{r\theta}$1.08 $M_{\theta\phi}$-0.32 $M_{\phi r}$0.94 NP1:ϕ_s52.00000°,δ87.00000°,λ109.00000°. NP2:ϕ_s150.00000° ,δ19.00000°,λ8.00000°. $M_0$1.52000×10^{15}
JMA Event type ke. FAR E OFF IBARAKI PREF .
ISC II 16 21 20 52.4–.00 38.70N–.04 141.58E–.07 73–6 3.7b 34 0-59
IDC II 16 21 20 47.0–3.4 38.93N 142.29E 48–26 3.7,3.4b ¶610415648
JMA II 16 21 20 52.9–.07 38.7N–.20 141.5E–.30 69–0 3.5,3.4b
ISC Event type ke.
JMA Event type fe. NORTHERN MIYAGI PREF .
ISC II 17 06 59 37.6–1.2 40.90N–.04 142.08E–.07 52–11 3.7b 26 1-66
IDC II 17 06 59 24.4–22 40.21N 142.72E 0 3.8,3.8b ¶610415670
JMA II 17 06 59 37.4–.12 40.9N–.30 142.1E–.90 50–2 3.3,3.8b
ISC Event type ke.
JMA Event type fe. E OFF AOMORI PREF .
ISC II 18 06 56 33.7–1.9 37.40N–.04 141.59E–.08 23–13 3.7b 30 1-147
IDC II 18 06 56 30.2–1.3 37.40N 141.79E 0 4.4s,3.7 ¶610247253
JMA II 18 06 56 32.5–.18 37.4N–.40 141.7E–.90 32–2 3.5,3.7
NIED II 18 06 56 32.5 37.36N 141.68E 32 3.6W,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=32.6km s-min=22.0km az=81.0.
JMA Event type ke. E OFF FUKUSHIMA PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-2.29 $M_{\theta\theta}$1.03 $M_{\phi\phi}$1.26 $M_{r\theta}$-0.12 $M_{\theta\phi}$1.63 $M_{\phi r}$-0.12 NP1:ϕ_s43.00000°,δ47.00000°,λ-90.00000°. NP2:ϕ_s223.00000° ,δ43.00000°,λ-90.00000°. $M_0$2.54000×10^{14}
ISC II 18 14 25 10.5–.50 35.73N–.05 140.16E–.05 70 4.2b 94 0-82
NEIC II 18 14 25 10.4–1.2 35.75N–.06 140.18E–.09 67–7 4.4b ¶610243816
IDC II 18 14 25 10.7–1.3 35.66N 140.24E 72–11 4.0,3.6b
JMA II 18 14 25 11.3–.16 35.8N–.40 140.1E–.60 62–1 3.3,3.6b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. NORTHERN CHIBA PREF .
ISC II 18 15 29 26.2–1.9 37.34N–.05 141.58E–.07 9–11 27 1-49
IDC II 18 15 29 17.2–2.9 36.88N 142.73E 0 3.4,3.4b ¶610415764
JMA II 18 15 29 28.2–.16 37.4N–.30 141.6E–.80 30–1 3.4,3.4b
ISC Event type ke.
JMA Event type ke. E OFF FUKUSHIMA PREF .
ISC II 18 22 21 29.6–.97 36.77N–.02 140.52E–.05 8–7 3.6b 31 0-148
IDC II 18 22 21 28.5–.86 36.95N 140.53E 0 3.6,3.6b ¶610415783
JMA II 18 22 21 29.5–.03 36.75N–.07 140.6E–.10 11–0 3.6,3.6b
ISC Event type ke.
JMA Event type fe. NORTHERN IBARAKI PREF .
ISC II 19 06 01 52.5–1.1 37.68N–.04 141.91E–.07 52–10 3.8b 87 1-147
NEIC II 19 06 01 53.2–1.3 37.74N–.03 141.90E–.08 57–8 4.1b ¶614137598
NIED II 19 06 01 53.7 37.71N 141.78E 64 4.0W
JMA II 19 06 01 53.7–.11 37.7N–.30 141.8E–.60 64–1 4.6,4.2
IDC II 19 06 01 54.4–2.6 37.49N 141.99E 73–28 3.9,3.4b
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=2.2km az=114.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.21 $M_{\theta\theta}$0.36 $M_{\phi\phi}$-0.57 $M_{r\theta}$-0.68 $M_{\theta\phi}$0.74 $M_{\phi r}$0.09 NP1:ϕ_s289.00000°,δ81.00000°,λ38.00000°. NP2:ϕ_s192.00000° ,δ52.00000°,λ169.00000°. $M_0$1.13000×10^{15}
JMA Event type fe. E OFF FUKUSHIMA PREF .
IDC Error ellipse: s-maj=20.7km s-min=16.0km az=54.0.
ISC II 19 09 19 30.5–.25 35.68N–.03 140.63E–.03 46–1 5.5b,4.8s 1735 0-167
BJI II 19 09 19 26.9–.00 35.68N 140.71E 50 5.5b,5.3b ¶614137695
MOS II 19 09 19 28.8–.88 35.63N 140.61E 45 5.8b,4.9s
NIED II 19 09 19 29.8 35.73N 140.67E 52 5.4W,4.9s
JMA II 19 09 19 29.8–.17 35.7N–.50 140.7E–.60 52–1 5.4W,5.4
IDC II 19 09 19 30.3–1.1 35.68N 140.57E 43–10 5.4,5.1b
NEIC II 19 09 19 31.1–2.6 35.66N–.05 140.75E–.08 42–1 5.5b,5.4
GCMT II 19 09 19 33.1–.10 35.64N–.01 140.74E–.01 45–0 5.5W,5.4
NEIC II 19 09 19 36.3 35.66N 140.63E 50 5.5W,5.4
ISC Event type ke. Moment Tensor Solution. NP1:ϕ_s22.79231°,δ66.67820°,λ109.36620°. NP2: ϕ_s161.19226°,δ29.96425°,λ52.43354°. Principal axes: T Plg63.1933°,Azm324.1200° ; N Plg17.7288°,Azm194.8702°; P Plg19.4299°,Azm98.3953°
MOS Error ellipse: s-maj=6.3km s-min=3.7km az=118.3.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{17}Nm; M_{rr}1.22 $M_{\theta\theta}$-0.13 $M_{\phi\phi}$-1.09 $M_{r\theta}$0.17 $M_{\theta\phi}$-0.08 $M_{\phi r}$1.21 NP1:ϕ_s7.00000°,δ68.00000°,λ91.00000°. NP2:ϕ_s183.00000° ,δ22.00000°,λ86.00000°. $M_0$1.68000×10^{17}
JMA Event type fe. NEAR CHOSHI CITY .
IDC Error ellipse: s-maj=11.3km s-min=7.6km az=98.0.
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=8.5km az=286.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.47 $M_{\theta\theta}$-0.06 $M_{\phi\phi}$-0.41 $M_{r\theta}$-0.00 $M_{\theta\phi}$-0.18 $M_{\phi r}$1.33 NP1:ϕ_s219.59000°,δ11.70000°,λ127.47000°. NP2:ϕ_s1.54000°,δ80.74000° ,λ82.82000°. Principal axes: T 1.4453,Plg54.0000°,Azm263.0000°; N -0.0548,Plg7.0000° ,Azm3.0000°; P -1.3905,Plg35.0000°,Azm98.0000° $M_0$1.42000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s114,c204; s142,c271;Duration: 1^{s}4 Moment tensor: Scale 10^{17}Nm; M_{rr}1.84±.03 $M_{\theta\theta}$-0.15±.02; $M_{\phi\phi}$-1.68±.02; $M_{r\theta}$0.03±.02; $M_{\theta\phi}$-0.40±.02; $M_{\phi r}$1.13±.02; Best double couple: NP1:ϕ_s8.00000°,δ61.00000°,λ84.00000°. NP2:ϕ_s200.00000°,δ30.00000°,λ101.00000°. Principal axes: T 2.1740,Plg73.0000° ,Azm263.0000°; N -0.0770,Plg5.0000°,Azm11.0000°; P -2.0930,Plg16.0000°,Azm102.0000° $M_0$2.13400×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 2^{s}4 Moment tensor: Scale 10^{17}Nm; M_{rr}1.07 $M_{\theta\theta}$-0.10 $M_{\phi\phi}$-0.97 $M_{r\theta}$-0.04 $M_{\theta\phi}$-0.24 $M_{\phi r}$0.88 NP1:ϕ_s3.80000°,δ65.15000° ,λ81.42000°. NP2:ϕ_s203.55000°,δ26.20000°,λ107.86000°. Principal axes: T 1.4062,Plg69.0000°,Azm257.0000°; N -0.0703,Plg8.0000°,Azm7.0000° ; P -1.3359,Plg20.0000°,Azm100.0000° $M_0$1.37000×10^{17}
ISC II 19 10 25 27.4–.94 35.69N–.04 140.73E–.06 51–7 3.5b 32 0-59

IDC II 19 10 25 26.3–2.4 35.67N 140.79E 42–22 3.5,3.2b ¶610415809
JMA II 19 10 25 27.6–.20 35.7N–.60 140.6E–.70 51–1 3.1,3.2b
ISC Event type ke.
JMA Event type fe. NEAR CHOSHI CITY .
ISC II 19 11 16 13.5–1.1 35.70N–.04 140.81E–.07 49–7 3.4b 26 0-59
IDC II 19 11 16 05.8–2.7 35.87N 141.12E 0 3.5,3.4b ¶610415811
JMA II 19 11 16 13.6–.20 35.7N–.60 140.6E–.70 51–1 2.9,3.4b
ISC Event type ke.
JMA Event type ke. NEAR CHOSHI CITY .
ISC II 20 04 56 02.8–1.1 34.89N–.05 140.72E–.08 63–8 3.4b 22 0-59
IDC II 20 04 55 59.3–2.1 34.27N 139.66E 0 3.5b,3.4 ¶610384669
JMA II 20 04 56 01.8–.21 34.9N–.60 140.8E–.80 67–1 3.2,3.4
ISC Event type ke.
JMA Event type ke. SE OFF BOSO PENINSULA .
ISC II 20 13 08 48.9–1.8 37.09N–.05 141.40E–.07 10–10 3.5b 27 0-90
IDC II 20 13 08 47.7–1.0 37.10N 141.41E 0 3.5,3.5b ¶610384685
JMA II 20 13 08 50.4–.14 37.1N–.30 141.3E–.70 23–0 3.4,3.5b
ISC Event type ke.
JMA Event type ke. E OFF FUKUSHIMA PREF .
ISC II 22 09 53 34.5–.97 36.72N–.02 140.59E–.04 7–6 3.7b 43 0-148
IDC II 22 09 53 33.6–.78 36.79N 140.57E 0 3.7,3.7b ¶610247261
JMA II 22 09 53 34.3–.04 36.7N–.10 140.6E–.20 6–0 3.7,3.7b
NIED II 22 09 53 34.3 36.70N 140.64E 6 3.8W,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=19.7km s-min=16.5km az=124.0.
JMA Event type fe. NORTHERN IBARAKI PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; Mrr-3.18 Mθθ-0.58 Mφφ3.75 Mrθ-2.88 Mθφ-2.57 Mφr1.26 NP1:φs127.00000°,δ67.00000°,λ-122.00000°. NP2:φs5.00000°,δ39.00000°,λ-39.00000°. M0 5.34000$\times10^{14}$
ISC II 22 12 43 04.2–1.8 37.01N–.05 141.27E–.09 26–12 3.3b 27 0-64
IDC II 22 12 43 00.3–1.1 36.86N 141.49E 0 3.4,3.3b ¶610384809
JMA II 22 12 43 03.5–.12 37.0N–.30 141.3E–.70 34–0 3.4,3.3b
ISC Event type ke.
JMA Event type ke. E OFF FUKUSHIMA PREF .
ISC II 23 18 44 17.4–3.4 38.02N–.05 142.72E–.08 14–22 3.4b 29 1-62
IDC II 23 18 44 15.1–1.8 37.97N 142.97E 0 3.5,3.3b ¶610247262
JMA II 23 18 44 21.0–.18 38.1N–.50 142.6E–.80 38–2 3.7,3.3b
NIED II 23 18 44 21.0 38.10N 142.61E 38 3.5W,3.3b
ISC Event type ke.
IDC Error ellipse: s-maj=39.1km s-min=23.9km az=85.0.
JMA Event type ke. E OFF MIYAGI PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; Mrr1.77 Mθθ-1.82 Mφφ0.05 Mrθ-0.29 Mθφ1.14 Mφr-0.90 NP1:φs141.00000°,δ53.00000°,λ127.00000°. NP2:φs269.00000°,δ50.00000°,λ51.00000°. M0 2.33000$\times10^{14}$
ISC II 24 02 50 11.6–1.3 39.27N–.06 142.73E–.09 29 3.7b 24 1-59
JMA II 24 02 50 08.9–.21 39.1N–.40 142.9E–.90 25–1 3.6 ¶610384914
IDC II 24 02 50 09.8–2.3 39.52N 142.35E 0 3.8,3.8b
ISC Event type ke.
JMA Event type ke. FAR E OFF SANRIKU .
IDC Error ellipse: s-maj=51.3km s-min=24.3km az=90.0.
ISC II 24 15 47 55.9–1.9 38.71N–.05 142.40E–.07 11–11 3.5b 31 1-63
JMA II 24 15 47 59.7–.12 38.7N–.30 142.3E–.70 38–1 3.8 ¶610384941
IDC II 24 15 48 00.2–2.5 38.78N 142.55E 48–22 3.4,3.1b
ISC Event type ke.
JMA Event type fe. E OFF MIYAGI PREF .
IDC Error ellipse: s-maj=29.8km s-min=12.7km az=114.0.
ISC II 24 19 03 35.9–2.1 35.18N–.05 141.23E–.09 18–12 3.6b 19 1-55
IDC II 24 19 03 34.0–2.6 35.17N 141.13E 0 3.4,3.4b ¶610384953
JMA II 24 19 03 36.6–.19 35.2N–.40 141E–1.0 31–3 2.8,3.4b
ISC Event type ke.
JMA Event type ke. E OFF BOSO PENINSULA .
ISC II 25 04 52 55.1–.57 38.72N–.04 142.21E–.05 44–4 4.5b,3.9s 186 1-148
BJI II 25 04 52 54.0–.00 38.68N 142.23E 53 4.9b,4.6b ¶611831887
NIED II 25 04 52 54.2 38.72N 142.26E 39 4.6W,4.6b
JMA II 25 04 52 54.2–.11 38.7N–.30 142.3E–.70 39–1 4.6W,4.5
IDC II 25 04 52 55.4–.64 38.72N 142.15E 44–5 4.4,4.1b
NEIC II 25 04 52 55.1–1.3 38.77N–.06 142.3E–.10 39–6 4.6b,4.1b
ISC Event type ke. Moment Tensor Solution. NP1:φs9.17587°,δ73.77479°,λ83.37081°. NP2: φs211.76041°,δ17.49347°,λ111.63855°. Principal axes: T Plg60.6895°,Azm269.5770° ; N Plg6.3640°,Azm11.0358°; P Plg28.4785°,Azm104.5045°
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; Mrr3.83 Mθθ0.55 Mφφ-4.37 Mrθ2.49 Mθφ-0.90 Mφr6.91 NP1:φs19.00000°,δ75.00000°,λ95.00000°. NP2:φs178.00000°,δ16.00000°,λ70.00000°. M0 8.46000$\times10^{15}$
JMA Event type fe. E OFF MIYAGI PREF .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 25 17 20 10.1–.58 36.35N–.04 141.10E–.06 35–4 4.0b,2.9s 93 0-147
NIED II 25 17 20 10.5 36.39N 140.99E 45 3.9W,2.9s ¶610241526
NEIC II 25 17 20 10.8–1.5 36.43N–.03 141.09E–.08 36–9 4.3b,2.9s
JMA II 25 17 20 10.5–.13 36.4N–.30 141.0E–.80 45–1 3.7,2.9s
IDC II 25 17 20 12.3–2.1 36.34N 140.89E 54–21 3.9,3.6b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; Mrr5.39 Mθθ1.98 Mφφ-7.37 Mrθ3.08 Mθφ-1.89 Mφr4.37 NP1:φs30.00000°,δ66.00000°,λ111.00000°. NP2:φs167.00000°,δ31.00000°,λ51.00000°. M0 8.60000$\times10^{14}$
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=1.7km az=115.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. E OFF IBARAKI PREF .
IDC Error ellipse: s-maj=20.0km s-min=12.0km az=80.0.
ISC II 25 21 47 39.8–1.5 35.75N–.06 140.9E–.10 50–8 16 0-56
IDC II 25 21 47 32.2–2.8 35.80N 141.25E 0 3.4,3.3b ¶610385025
JMA II 25 21 47 40.2–.24 35.7N–.60 140.7E–.80 50–1 2.6,3.3b
ISC Event type ke.
JMA Event type ke. NEAR CHOSHI CITY .
JMA II 26 01 59 21.9–.04 36.80N–.09 140.6E–.20 9–0 0.1
¶614142992
JMA Event type ke. NORTHERN IBARAKI PREF .
ISC II 26 11 34 09.6–1.0 40.35N–.04 142.13E–.08 53–8 3.5b 34 0-66
JMA II 26 11 34 10.0–.10 40.4N–.30 142.1E–.70 50–0 3.8 ¶610385059
IDC II 26 11 34 11.1–1.9 40.41N 142.03E 63–17 3.6,3.3b
ISC Event type ke.
JMA Event type fe. NE OFF IWATE PREF .
IDC Error ellipse: s-maj=23.7km s-min=12.1km az=106.0.
ISC II 26 14 54 45.3–.46 37.19N–.03 141.20E–.05 61–3 4.5b 177 0-147
IDC II 26 14 54 45.6–.57 37.19N 141.06E 63–4 4.0,3.7b ¶610241366
JMA II 26 14 54 45.4–.10 37.2N–.20 141.2E–.60 62–0 4.4,4.2
NIED II 26 14 54 45.4 37.17N 141.18E 62 4.3W,4.2
NEIC II 26 14 54 46.0–2.4 37.23N–.05 141.20E–.09 61–5 4.6b,4.2
ISC Event type ke. Moment Tensor Solution. NP1:φs190.79057°,δ74.76109°,λ116.64877°. NP2: φs308.43497°,δ30.41896°,λ31.27378°. Principal axes: T Plg52.7148°,Azm132.3606° ; N Plg25.6422°,Azm3.2765°; P Plg25.0818°,Azm260.2928°
JMA Event type fe. E OFF FUKUSHIMA PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; Mrr2.00 Mθθ-0.72 Mφφ-1.28 Mrθ-0.50 Mθφ-0.34 Mφr-2.62 NP1:φs193.00000°,δ74.00000°,λ86.00000°. NP2:φs26.00000°,δ17.00000°,λ102.00000°. M0 3.17000$\times10^{15}$
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 26 15 03 33.7–.28 37.12N–.03 141.15E–.03 53–2 5.1b,4.1s 1179 0-155
MOS II 26 15 03 31.0–.88 37.11N 141.23E 43 5.4b,4.1s ¶611831899
BJI II 26 15 03 31.0–.00 37.10N 141.21E 57 5.1b,4.9b
NIED II 26 15 03 33.3 37.07N 141.18E 50 4.9W,4.9b
IDC II 26 15 03 33.5–1.2 37.03N 141.12E 50–10 4.9,4.7b
BGR II 26 15 03 33.9 37.47N 141.86E 33 5.2b,4.7b
NEIC II 26 15 03 33.9–1.3 37.16N–.05 141.17E–.05 48–4 5.1b,4.8
NEIC II 26 15 03 33.4 37.15N 141.19E 50 5.1b,4.8
NEIC II 26 15 03 33.4 37.15N 141.19E 50 5.1b,4.8
JMA II 26 15 03 33.3–.14 37.1N–.40 141.2E–.80 50–0 4.9,4.8W
GCMT II 26 15 03 34.9–.30 37.08N–.02 141.28E–.03 48–1 5.0W,4.8W
ISC Event type ke. Moment Tensor Solution. NP1:φs145.68147°,δ29.04112°,λ20.17359°. NP2: φs37.87385°,δ80.36270°,λ117.52782°. Principal axes: T Plg47.4409°,Azm336.7683° ; N Plg27.1072°,Azm212.8873°; P Plg29.9885°,Azm105.7058° Moment Tensor Solution. NP1:φs190.54248°,δ27.73782°,λ118.95091°. NP2:φs338.53662°,δ65.96690°,λ75.71893°. Principal axes: T Plg66.0401°,Azm223.0993°; N Plg13.0202°,Azm344.4552°; P Plg19.7472°,Azm79.2168°
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; Mrr1.25 Mθθ-0.27 Mφφ-0.98 Mrθ0.64 Mθφ-0.48 Mφr1.60 NP1:φs23.00000°,δ72.00000°,λ88.00000°. NP2:φs210.00000°,δ18.00000°,λ97.00000°. M0 2.12000$\times10^{16}$
ISC Event type ke. Hypocentre not reviewed by the ISC.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 1s4 Moment tensor: Scale 10^{16}Nm; Mrr1.48 Mθθ0.07 Mφφ-1.55 Mrθ0.39 Mθφ-0.23 Mφr1.46 NP1:φs13.02000°,δ67.39000°,λ94.06000°. NP2:φs182.56000°,δ22.95000°,λ80.34000°. Principal axes: T 2.1084,Plg67.0000°,Azm291.0000°; N 0.0887,Plg4.0000°,Azm191.0000° ; P -2.1971,Plg22.0000°,Azm100.0000° M0 2.15000$\times10^{16}$
JMA Event type fe. E OFF FUKUSHIMA PREF .
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s44,c51; s94,c130;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr3.07±.17 Mθθ-1.00±.11; Mφφ-2.08±.10; Mrθ0.57±.07; Mθφ-0.95±.06; Mφr1.62±.07; Best double couple: NP1:φs25.00000°,δ60.00000°,λ86.00000°. NP2:φs214.00000°,δ30.00000°,λ98.00000°. Principal axes: T 3.5560,Plg74.0000°,Azm284.0000°; N -0.4660,Plg4.0000°,Azm27.0000°; P -3.0960,Plg15.0000°,Azm118.0000° M0 3.32600$\times10^{16}$
ISC II 26 18 09 19.8–.87 37.31N–.04 141.49E–.06 37–1 3.5b 55 0-77
JMA II 26 18 09 21.4–.11 37.4N–.30 141.3E–.70 47–0 4.0,3.8 ¶610247267
NIED II 26 18 09 21.4 37.37N 141.32E 47 3.7W,3.8
IDC II 26 18 09 23.5–2.1 37.23N 141.38E 76–20 3.7,3.3b
ISC Event type ke.
JMA Event type fe. E OFF FUKUSHIMA PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; Mrr2.37 Mθθ-2.04 Mφφ-0.33 Mrθ3.48 Mθφ-1.02 Mφr0.97 NP1:φs73.00000°,δ73.00000°,λ95.00000°. NP2:φs236.00000°,δ18.00000°,λ74.00000°. M0 4.36000$\times10^{14}$
IDC Error ellipse: s-maj=17.9km s-min=14.6km az=78.0.
ISC II 26 23 26 39.1–.87 35.84N–.04 140.95E–.05 29–6 3.6b 54 0-147
IDC II 26 23 26 35.0–.86 35.77N 140.98E 0 3.7,3.6b ¶614143866
NEIC II 26 23 26 39.7–1.6 35.85N–.05 141.02E–.08 33–7 3.8b,3.6b
JMA II 26 23 26 39.3–.20 35.8N–.50 140.9E–.90 31–1 3.7,3.6b
NIED II 26 23 26 39.3 35.84N 140.90E 31 3.9W,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=23.4km s-min=15.9km az=82.0.
NEIC Event type se. Error ellipse: s-maj=12.3km s-min=2.8km az=127.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. NEAR CHOSHI CITY .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; Mrr-4.27 Mθθ-0.58 Mφφ4.84 Mrθ6.10 Mθφ-0.16 Mφr-3.35 NP1:φs316.00000°,δ76.00000°,λ-113.00000°. NP2:φs195.00000°,δ27.00000°,λ-33.00000°. M0 8.06000$\times10^{14}$
ISC II 27 05 19 53.6–.80 37.25N–.03 141.52E–.04 25–5 4.6b,3.6s 315 1-147
IDC II 27 05 19 50.0–.53 37.22N 141.45E 0 4.3,4.3b ¶614144070
JMA II 27 05 19 52.8–.16 37.3N–.30 141.6E–.80 33–1 4.5,4.3W
NIED II 27 05 19 52.8 37.25N 141.55E 33 4.3W,4.3W
BJI II 27 05 19 52.6–.00 37.10N 141.69E 45 5.0b,4.5b
NEIC II 27 05 19 53.8–2.1 37.23N–.04 141.48E–.07 19–4 4.6b,4.2
MOS II 27 05 19 53.4–1.1 37.31N 141.44E 31 4.9b,4.2
NEIC II 27 05 19 56.1 37.25N 141.41E 36 4.9b,4.2
ISC Event type ke.
IDC Error ellipse: s-maj=16.1km s-min=12.1km az=102.0.
JMA Event type fe. E OFF FUKUSHIMA PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; Mrr-2.94 Mθθ1.27 Mφφ1.66 Mrθ-0.67 Mθφ1.55 Mφr-0.10 NP1:φs50.00000°,δ51.00000°,λ-79.00000°. NP2:φs213.00000°,δ41.00000°,λ-103.00000°. M0 3.06000$\times10^{15}$
NEIC Event type se. Error ellipse: s-maj=8.6km s-min=6.2km az=74.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; Mrr-2.04 Mθθ0.98 Mφφ1.06 Mrθ-0.09 Mθφ0.81 Mφr-0.90 NP1:φs234.39000°,δ35.84000°,λ-70.04000°. NP2:φs30.25000°,δ56.61000°,λ-103.85000°. Principal axes: T 1.9645,Plg11.0000°,Azm130.0000°; N 0.3191,Plg12.0000°,Azm38.0000°; P -2.2835,Plg74.0000°,Azm262.0000° M0 2.14000$\times10^{15}$
MOS Error ellipse: s-maj=8.6km s-min=5.6km az=106.6.
NEIC Event type se.
ISC II 27 08 01 06.1–1.4 38.25N–.06 141.9E–.10 48–10 3.6b 31 0-62
IDC II 27 08 01 07.1–2.9 38.36N 141.91E 62–25 3.5,3.3b ¶610385107
JMA II 27 08 01 07.5–.10 38.3N–.30 141.7E–.50 51–0 3.6,3.3b
ISC Event type ke.
JMA Event type ke. KINKAZAN REGION .
ISC II 27 18 59 54.5–.78 35.88N–.04 140.05E–.05 114–6 3.4b 48 0-77
IDC II 27 18 59 54.1–1.6 35.89N 140.14E 105–13 3.7,3.1b ¶610385148
JMA II 27 18 59 55.8–.18 35.9N–.50 140.0E–.80 104–1 3.6,3.1b
ISC Event type ke.
JMA Event type fe. SOUTHERN IBARAKI PREF .
ISC II 28 07 49 02.3–.22 37.53N–.02 141.29E–.02 52–1 5.8b,5.2s 2452 0-166
BJI II 28 07 48 57.6–.00 37.51N 141.48E 43 5.7b,5.5b ¶610241802
IDC II 28 07 49 00.2–2.2 37.55N 141.34E 33–16 5.7,5.5b
MOS II 28 07 49 00.0–.83 37.61N 141.23E 41 6.2b,5.3s
BGR II 28 07 49 01.8 37.70N 142.27E 45 6.0,5.8b
NEIC II 28 07 49 02.9–2.1 37.57N–.06 141.34E–.09 47–1 5.8,5.7
JMA II 28 07 49 02.1–.09 37.5N–.20 141.4E–.60 52–0 5.7W,5.7
NIED II 28 07 49 02.1 37.51N 141.37E 52 5.7W,5.7
GCMT II 28 07 49 03.9–.10 37.56N–.01 141.45E–.01 54–0 5.8W,5.7
NEIC II 28 07 49 10.2 37.46N 141.46E 60 5.8W,5.7
ISC Event type ke. Moment Tensor Solution. NP1:φs32.73759°,δ59.80354°,λ126.95589°. NP2: φs156.50148°,δ46.31718°,λ44.06696°. Principal axes: T Plg57.5677°,Azm355.1735° ; N Plg31.3068°,Azm192.0107°; P Plg7.6270°,Azm97.3394°
IDC Error ellipse: s-maj=10.3km s-min=8.7km az=99.0.
MOS Error ellipse: s-maj=5.5km s-min=3.3km az=109.2.
ISC Event type ke. Hypocentre not reviewed by the ISC.
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=9.0km az=294.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; Mrr-0.21 Mθθ0.51 Mφφ-0.30 Mrθ1.63 Mθφ0.25 Mφr3.79 NP1:φs203.84000°,δ89.22000°,λ-96.50000°. NP2:φs107.00000°,δ6.55000°,λ-6.88000°. Principal axes: T 4.0613,Plg44.0000°,Azm300.0000°; N 0.1934,Plg6.0000°,Azm204.0000°; P -4.2547,Plg45.0000°,Azm107.0000° M0 4.16000$\times10^{17}$ Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; Mrr4.38 Mθθ-0.88 Mφφ-3.50 Mrθ1.00 Mθφ-0.88 Mφr3.23 NP1:φs196.90000°,δ25.16000°,λ89.82000°. NP2:φs17.10000°,δ64.85000°,λ90.09000°. Principal axes: T 5.6016,Plg70.0000°,Azm287.0000°; N -0.6097,Plg0.0000°,Azm197.0000°; P -4.9918,Plg20.0000°,Azm107.0000° M0 5.32000$\times10^{17}$
JMA Event type fe. E OFF FUKUSHIMA PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{17}Nm; Mrr2.81 Mθθ-0.00 Mφφ-2.81 Mrθ0.96 Mθφ-1.02 Mφr3.18 NP1:φs17.00000°,δ69.00000°,λ89.00000°. NP2:φs199.00000°,δ21.00000°,λ92.00000°. M0 4.46000$\times10^{17}$
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s151,c298; s163,c355;Duration: 1s9 Moment tensor: Scale 10^{17}Nm; Mrr4.74±.06 Mθθ-0.40±.05; Mφφ-4.34±.05; Mrθ0.96±.04; Mθφ-1.30±.04; Mφr3.16±.05; Best double couple: NP1:φs17.00000°,δ62.00000°,λ90.00000°. NP2:φs197.00000°,δ28.00000°,λ90.00000°. Principal axes: T 5.7790,Plg73.0000°,Azm287.0000°; N -0.0100,Plg0.0000°,Azm197.0000°; P -5.7690,Plg17.0000°,Azm107.0000° M0 5.77400$\times10^{17}$
NEIC Event type se. Moment Tensor Solution.Duration: 3s6 Moment tensor: Scale 10^{17}Nm; Mrr3.21 Mθθ-0.44 Mφφ-2.77 Mrθ0.41 Mθφ-0.79 Mφr2.11 NP1:φs13.78000°,δ62.33000°,λ87.15000°. NP2:φs199.91000°,δ27.81000°,λ95.42000°. Principal axes: T 3.8854,Plg73.0000°,Azm277.0000°; N -0.2079,Plg3.0000°,Azm15.0000° ; P -3.6775,Plg17.0000°,Azm106.0000° M0 3.78000$\times10^{17}$
ISC III 01 00 44 10.6–1.3 36.36N–.03 141.13E–.06 29–9 4.0b,3.7s 54 0-85
IDC III 01 00 44 06.4–1.1 36.34N 141.24E 0 4.1,3.9b ¶614145720
JMA III 01 00 44 10.9–.14 36.4N–.30 141.1E–.90 46–1 3.7,3.9b
NIED III 01 00 44 10.9 36.38N 141.05E 46 3.7W,3.9b
NEIC III 01 00 44 14.2–1.8 36.30N–.06 140.96E–.07 59–10 4.2b,3.9b
ISC Event type ke.
JMA Event type fe. E OFF IBARAKI PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; Mrr-2.43 Mθθ-0.30 Mφφ2.73 Mrθ2.01 Mθφ-0.96 Mφr2.97 NP1:φs198.00000°,δ73.00000°,λ-65.00000°. NP2:φs320.00000°

,δ30.00000°,λ-145.00000°. M0 4.48000×10^{14}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 01 06 43 04.5–.27 37.51N–.03 141.46E–.03 52–1 4.9b,4.2s 833 0-147
BJI III 01 06 43 02.0–.00 37.52N 141.52E 58 4.9b,4.9b ¶610242100
MOS III 01 06 43 02.1–.87 37.56N 141.44E 44 5.2b,4.9b
NIED III 01 06 43 04.0 37.52N 141.45E 49 4.9W,4.9b
JMA III 01 06 43 04.0–.08 37.5N–.20 141.5E–.50 49–1 4.9W,4.9
BGR III 01 06 43 04.7 37.31N 140.68E 33 5.2b,4.3s
IDC III 01 06 43 04.8–.37 37.53N 141.38E 53–2 4.8,4.5b
NEIC III 01 06 43 05.5–2.0 37.57N–.06 141.41E–.10 54–5 5.0b,4.5b
GCMT III 01 06 43 06.5–.30 37.63N–.02 141.48E–.03 46–1 5.0W,4.5b
ISC Event type ke. Moment Tensor Solution. NP1:φs151.30026°,δ23.86436°,λ20.27810°. NP2: φs42.63075°,δ81.93967°,λ112.53728°. Principal axes: T Plg48.2279°,Azm336.6371° ; N Plg22.3026°,Azm219.3007°; P Plg33.1961°,Azm113.7330°
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; Mrr1.95 Mθθ-0.43 Mφφ-1.52 Mrθ0.87 Mθφ-0.65 Mφr2.03 NP1:φs24.00000°,δ70.00000°,λ89.00000°. NP2:φs206.00000° ,δ20.00000°,λ92.00000°. M0 2.90000×10^{16}
JMA Event type fe. E OFF FUKUSHIMA PREF .
BGR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s60,c72; s86,c131;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr4.32±.20 Mθθ-1.17±.13; Mφφ-3.14±.12; Mrθ1.33±.11; Mθφ-0.78±.09; Mφr2.33±.11; Best double couple: NP1:φs25.00000°,δ62.00000°,λ94.00000°. NP2:φs196.00000°,δ28.00000°,λ83.00000°. Principal axes: T 5.1700,Plg72.0000° ,Azm304.0000°; N -0.9290,Plg3.0000°,Azm203.0000°; P -4.2310,Plg17.0000° ,Azm112.0000° M0 4.70100×10^{16}
ISC III 01 12 09 04.6–1.2 35.68N–.05 141.13E–.07 33–6 3.5b 30 0-147
JMA III 01 12 09 05.5–.22 35.7N–.60 141E–1.0 35–1 3.3 ¶610545323
IDC III 01 12 09 06.7–2.4 35.68N 140.98E 52–22 3.5,3.2b
ISC Event type ke.
JMA Event type fe. NEAR CHOSHI CITY .
IDC Error ellipse: s-maj=23.1km s-min=9.5km az=72.0.
ISC III 03 00 36 30.3–1.3 40.15N–.04 142.31E–.09 41–11 3.6b 30 0-69
JMA III 03 00 36 29.4–.13 40.2N–.30 142.4E–.80 35–1 3.9 ¶610545416
IDC III 03 00 36 31.7–2.7 40.17N 142.46E 64–23 3.7,3.4b
ISC Event type ke.
JMA Event type fe. NE OFF IWATE PREF .
IDC Error ellipse: s-maj=38.7km s-min=16.9km az=102.0.
ISC III 04 04 23 27.2–1.4 37.32N–.04 141.45E–.06 30–9 3.9b 62 0-147
IDC III 04 04 23 24.4–.68 37.32N 141.49E 0 3.8,3.8b ¶610545493
JMA III 04 04 23 25.2–.21 37.3N–.50 142E–1.0 34–2 3.9,3.8b
NEIC III 04 04 23 29.8–1.2 37.45N–.07 141.41E–.09 46–9 4.1b,3.8b
ISC Event type ke.
JMA Event type fe. E OFF FUKUSHIMA PREF .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 04 07 38 55.1–2.5 37.31N–.06 141.5E–.10 28–17 20 0-57
IDC III 04 07 38 54.2–2.8 36.77N 141.66E 0 3.4b,3.2 ¶610545505
JMA III 04 07 38 56.4–.15 37.3N–.30 141.4E–.80 33–1 3.3,3.2
ISC Event type ke.
JMA Event type ke. E OFF FUKUSHIMA PREF .
ISC III 05 01 18 54.3–.31 35.70N–.03 140.79E–.04 46–2 4.8b,4.1s 677 0-154
MOS III 05 01 18 51.9–1.1 35.68N 140.83E 39 5.1b,4.1s ¶611831965
BJI III 05 01 18 53.4–.00 35.72N 140.74E 63 5.0b,4.8b
NIED III 05 01 18 54.6 35.74N 140.72E 52 4.9W,4.8b
NEIC III 05 01 18 54.5–1.4 35.66N–.05 140.87E–.09 44–5 4.9b,4.8
NEIC III 05 01 18 54.5 35.66N 140.87E 44 4.9b,4.8
JMA III 05 01 18 54.6–.20 35.7N–.60 140.7E–.80 52–1 4.8W,4.7
IDC III 05 01 18 57.4–1.2 35.61N 140.67E 68–11 4.6,4.3b
GCMT III 05 01 18 59.3–.50 35.59N–.03 140.78E–.04 46–1 5.0W,4.3b
ISC Event type ke. Moment Tensor Solution. NP1:φs7.54232°,δ63.43056°,λ126.24526°. NP2: φs128.93059°,δ43.83626°,λ40.22582°. Principal axes: T Plg55.7234°,Azm325.4725° ; N Plg31.9246°,Azm169.3878°; P Plg11.1732°,Azm72.3189° Moment Tensor Solution. NP1: φs269.39423°,δ28.15091°,λ176.97173°. NP2:φs2.06483°,δ88.57179°,λ61.88239°. Principal axes: T Plg39.8728°,Azm246.3294°; N Plg28.1081°,Azm2.8279°; P Plg37.2891° ,Azm116.8280°
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; Mrr1.34 Mθθ0.40 Mφφ-1.74 Mrθ0.35 Mθφ0.06 Mφr1.55 NP1:φs10.00000°,δ69.00000°,λ101.00000°. NP2:φs162.00000° ,δ24.00000°,λ64.00000°. M0 2.22000×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; Mrr1.33 Mθθ-0.18 Mφφ-1.15 Mrθ-0.09 Mθφ0.07 Mφr1.65 NP1:φs175.69000°,δ18.52000°,λ89.02000°. NP2:φs356.72000°,δ71.48000° ,λ90.33000°. Principal axes: T 2.1496,Plg64.0000°,Azm267.0000°; N -0.1713,Plg0.0000° ,Azm177.0000°; P -1.9783,Plg26.0000°,Azm86.0000° M0 2.07000×10^{16}
NEIC Event type se.
JMA Event type fe. NEAR CHOSHI CITY .
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s27,c30; s62,c85;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr2.94±.24 Mθθ0.14±.16; Mφφ-3.08±.14; Mrθ0.11±.12; Mθφ-0.55±.10; Mφr1.33±.09; Best double couple: NP1:φs7.00000°,δ57.00000°,λ88.00000°. NP2:φs192.00000°,δ33.00000°,λ94.00000°. Principal axes: T 3.2210,Plg78.0000° ,Azm269.0000°; N 0.2250,Plg2.0000°,Azm9.0000°; P -3.4480,Plg12.0000°,Azm99.0000° M0 3.33400×10^{16}
ISC III 05 01 33 09.5–.86 35.72N–.05 140.79E–.07 48–6 3.6b 26 0-75
JMA III 05 01 33 08.8–.20 35.7N–.60 140.7E–.80 51–1 3.1 ¶614149366
IDC III 05 01 33 09.8–2.0 35.72N 140.72E 49–19 3.7,3.4b
ISC Event type ke.
JMA Event type fe. NEAR CHOSHI CITY .
IDC Error ellipse: s-maj=30.3km s-min=12.2km az=85.0.
ISC III 05 01 52 40.4–.95 35.70N–.04 140.83E–.06 44–7 3.4b 32 0-83
IDC III 05 01 52 32.9–1.7 35.85N 141.19E 0 3.9,3.5b ¶614149391
JMA III 05 01 52 40.1–.18 35.7N–.50 140.7E–.70 49–1 3.1,3.5b
ISC Event type ke.
JMA Event type ke. NEAR CHOSHI CITY .
ISC III 05 04 18 25.7–.89 35.70N–.03 141.02E–.05 28–6 3.9b,3.4s 69 0-147
IDC III 05 04 18 21.7–.69 35.60N 140.99E 0 3.9,3.8b ¶614149508
JMA III 05 04 18 25.0–.23 35.8N–.60 141E–1.0 26–1 3.9,3.8b
NIED III 05 04 18 25.0 35.79N 141.07E 26 4.0W,3.8b
NEIC III 05 04 18 25.8–1.8 35.67N–.06 141.2E–.10 33–8 4.1b,3.8b
ISC Event type ke.
JMA Event type fe. NEAR CHOSHI CITY .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; Mrr-0.60 Mθθ0.16 Mφφ0.44 Mrθ1.16 Mθφ-0.27 Mφr0.27 NP1:φs267.00000°,δ81.00000°,λ-103.00000°. NP2:φs142.00000° ,δ16.00000°,λ-36.00000°. M0 1.26000×10^{15}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 05 10 04 44.8–.75 37.22N–.03 141.33E–.05 31–4 4.5b,3.6s 228 0-147
IDC III 05 10 04 39.9–.50 37.15N 141.41E 0 4.2,4.2b ¶610245381
NEIC III 05 10 04 43.0–1.8 37.24N–.04 141.34E–.03 14–4 4.6b,4.2b
JMA III 05 10 04 42.2–.17 37.2N–.30 141.4E–.90 29–1 4.6,4.2W
NIED III 05 10 04 42.2 37.19N 141.43E 29 4.2W,4.2W
MOS III 05 10 04 44.0–1.3 37.18N 141.42E 38 4.7b,4.2W
ISC Event type ke.
IDC Error ellipse: s-maj=14.8km s-min=11.9km az=113.0.
NEIC Event type se. Error ellipse: s-maj=5.2km s-min=3.0km az=167.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. E OFF FUKUSHIMA PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; Mrr-1.90 Mθθ1.10 Mφφ0.80 Mrθ1.09 Mθφ0.99 Mφr1.17 NP1:φs225.00000°,δ65.00000°,λ-94.00000°. NP2:φs54.00000° ,δ25.00000°,λ-82.00000°. M0 2.50000×10^{15}
MOS Error ellipse: s-maj=9.6km s-min=6.2km az=100.7.
JMA III 05 10 11 37.9–.13 37.2N–.30 141.5E–.50 18–1 1.4
¶614149814
JMA Event type ke. E OFF FUKUSHIMA PREF .
ISC III 06 04 54 35.0–1.3 37.67N–.04 141.61E–.07 45–11 3.7b 40 1-90
JMA III 06 04 54 35.4–.08 37.7N–.20 141.6E–.50 48–1 4.0,3.7 ¶610545623
IDC III 06 04 54 38.1–4.6 37.57N 141.49E 78–40 3.8,3.4b
ISC Event type ke.
JMA Event type fe. E OFF FUKUSHIMA PREF .
IDC Error ellipse: s-maj=38.2km s-min=17.7km az=59.0.
ISC III 06 15 39 55.5–1.1 38.91N–.05 141.99E–.09 49–8 3.8b 30 0-67
JMA III 06 15 39 55.7–.10 38.9N–.30 141.9E–.60 51–0 3.6 ¶610470920
NIED III 06 15 39 55.7 38.93N 141.93E 51 3.7W
IDC III 06 15 39 57.4–2.1 38.94N 142.07E 75–18 3.6,3.3b
ISC Event type ke.
JMA Event type fe. KINKAZAN REGION .
NIED Moment Tensor Solution. s2 Moment tensor: Scale 10^{14}Nm; Mrr4.10 Mθθ-0.47 Mφφ-3.63 Mrθ0.83 Mθφ-0.11 Mφr1.60 NP1:φs11.00000°,δ57.00000°,λ99.00000°. NP2:φs174.00000° ,δ34.00000°,λ76.00000°. M0 4.26000×10^{14}
IDC Error ellipse: s-maj=24.9km s-min=11.1km az=114.0.
ISC III 08 00 34 55.9–2.0 36.50N–.06 141.28E–.08 12–11 25 1-57
JMA III 08 00 35 00.8–.12 36.6N–.30 141.2E–.70 48–1 3.2 ¶610545767
IDC III 08 00 35 02.3–6.9 36.22N 141.16E 69–54 3.0,2.7b
ISC Event type ke.
JMA Event type ke. E OFF IBARAKI PREF .
IDC Error ellipse: s-maj=57.6km s-min=34.1km az=67.0.
ISC III 08 08 26 56.3–3.1 35.76N–.07 141.20E–.10 17–15 17 0-56
IDC III 08 08 26 52.1–2.7 35.95N 141.55E 0 3.6,3.5b ¶610545789
JMA III 08 08 27 01.0–.18 35.7N–.50 140.8E–.70 48–1 3.0,3.5b
ISC Event type ke.
JMA Event type ke. NEAR CHOSHI CITY .
ISC III 08 16 15 26.8–3.4 37.72N–.04 141.94E–.08 10–23 3.4b 30 1-62
JMA III 08 16 15 28.2–.16 37.7N–.30 141.9E–.70 24–1 3.8 ¶610545818
IDC III 08 16 15 28.6–2.5 37.22N 142.17E 0 3.3b,3.2
ISC Event type ke.
JMA Event type ke. SE OFF MIYAGI PREF .
IDC Error ellipse: s-maj=52.7km s-min=31.9km az=39.0.
ISC III 08 17 19 24.3–1.5 35.24N–.05 141.3E–.10 27 15 1-59
JMA III 08 17 19 25.5–.13 35.3N–.20 141.3E–.70 38–1 2.6 ¶610545824
IDC III 08 17 19 29.9–1.5 34.18N 137.90E 0 3.6,3.6b
ISC Event type ke.
JMA Event type ke. E OFF BOSO PENINSULA .
IDC Error ellipse: s-maj=34.8km s-min=21.5km az=83.0.
ISC III 09 02 25 24.8–.64 34.57N–.04 140.60E–.05 48–5 4.3b 74 0-85
NIED III 09 02 25 23.5 34.56N 140.66E 52 4.1W ¶616204525
JMA III 09 02 25 23.5–.21 34.6N–.60 140.7E–.70 52–2 3.8
NEIC III 09 02 25 25.8–1.8 34.55N–.06 140.5E–.10 55–4 4.8b
IDC III 09 02 25 27.7–1.8 34.43N 140.10E 62–13 4.1,3.8b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; Mrr0.73 Mθθ0.23 Mφφ-0.96 Mrθ0.80 Mθφ-0.51 Mφr1.16 NP1:φs35.00000°,δ74.00000°,λ102.00000°. NP2:φs177.00000° ,δ20.00000°,λ54.00000°. M0 1.71000×10^{15}
JMA Event type ke. SE OFF BOSO PENINSULA .
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=8.2km az=97.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=30.8km s-min=7.8km az=75.0.
ISC III 09 02 39 31.7–.97 34.58N–.06 140.63E–.07 59 3.3b 20 0-61
IDC III 09 02 39 25.5–1.6 34.32N 140.32E 0 3.5s,3.4b ¶610545846
JMA III 09 02 39 29.2–.24 34.6N–.70 140.7E–.80 54–2 3.0,3.4b
ISC Event type ke.
JMA Event type ke. SE OFF BOSO PENINSULA .
ISC III 10 07 15 46.1–1.1 38.18N–.05 141.86E–.08 51–9 3.8b 51 0-146
JMA III 10 07 15 46.7–.08 38.2N–.20 141.8E–.40 55–0 4.0,3.8 ¶614153813
NIED III 10 07 15 46.7 38.21N 141.76E 55 3.8W,3.8
IDC III 10 07 15 49.6–2.5 38.17N 141.67E 86–24 3.8,3.5b
ISC Event type ke.
JMA Event type fe. E OFF MIYAGI PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; Mrr3.91 Mθθ-0.19 Mφφ-3.72 Mrθ1.57 Mθφ-2.39 Mφr-2.78 NP1:φs180.00000°,δ63.00000°,λ59.00000°. NP2:φs52.00000° ,δ41.00000°,λ135.00000°. M0 5.51000×10^{14}
IDC Error ellipse: s-maj=23.9km s-min=14.6km az=99.0.
ISC III 10 07 57 37.5–1.7 37.18N–.04 141.39E–.06 7–10 3.9s,3.6b 41 0-147
IDC III 10 07 57 36.6–.99 37.15N 141.31E 0 3.8s,3.6 ¶610470940
JMA III 10 07 57 38.2–.18 37.2N–.30 141.4E–.90 27–1 3.9,3.6
NIED III 10 07 57 38.2 37.18N 141.42E 27 3.8W,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=21.7km s-min=15.9km az=145.0.
JMA Event type fe. E OFF FUKUSHIMA PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; Mrr0.35 Mθθ0.62 Mφφ-0.97 Mrθ-0.09 Mθφ3.58 Mφr3.50 NP1:φs4.00000°,δ88.00000°,λ136.00000°. NP2:φs95.00000° ,δ46.00000°,λ2.00000°. M0 5.06000×10^{14}
ISC III 10 22 04 30.7–1.7 37.11N–.03 141.36E–.06 6–10 3.6b 44 0-147
IDC III 10 22 04 29.6–.79 37.08N 141.39E 0 3.6b,3.5 ¶610470942
JMA III 10 22 04 32.0–.16 37.2N–.30 141.3E–.80 26–1 3.9,3.5
NIED III 10 22 04 32.0 37.16N 141.35E 26 3.7W,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=18.9km s-min=16.0km az=106.0.
JMA Event type fe. E OFF FUKUSHIMA PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; Mrr-2.81 Mθθ0.26 Mφφ2.56 Mrθ0.35 Mθφ1.78 Mφr2.06 NP1:φs196.00000°,δ62.00000°,λ-104.00000°. NP2:φs44.00000° ,δ31.00000°,λ-66.00000°. M0 3.82000×10^{14}
ISC III 11 19 57 47.8–.24 37.51N–.02 141.52E–.03 48–1 5.5b,4.7s 1802 1-161
MOS III 11 19 57 45.2–.89 37.58N 141.50E 35 5.8b,5.0s ¶610325491
BJI III 11 19 57 45.5–.00 37.55N 141.48E 52 5.3b,5.1b
NEIC III 11 19 57 46.5 37.63N 141.32E 50 5.3b,5.1b
NEIC III 11 19 57 46.5 37.53N 141.57E 50 5.3b,5.1b
NIED III 11 19 57 47.6 37.51N 141.54E 46 5.3W,5.1b
JMA III 11 19 57 47.6–.10 37.5N–.30 141.5E–.70 46–1 5.4,5.3W
NEIC III 11 19 57 48.1–1.5 37.53N–.05 141.51E–.07 44–4 5.5b,5.3
IDC III 11 19 57 48.8–1.3 37.59N 141.41E 54–11 5.2,5.0b
NEIC III 11 19 57 48.4 37.54N 141.47E 46 5.2,5.0b
GCMT III 11 19 57 50.1–.10 37.56N–.01 141.62E–.01 48–0 5.3W,5.0b
BGR III 11 19 57 51.1 38.08N 142.43E 51–1 5.6b,4.9s
ISC Event type ke. Moment Tensor Solution. NP1:φs43.68659°,δ58.15051°,λ75.92558°. NP2: φs249.09923°,δ34.51906°,λ111.37821°. Principal axes: T Plg72.8906°,Azm277.9195° ; N Plg11.9213°,Azm51.2228°; P Plg12.0918°,Azm143.8152°
MOS Error ellipse: s-maj=5.4km s-min=3.3km az=106.5.
NEIC Event type se. Moment Tensor Solution.Duration: 2s3 Moment tensor: Scale 10^{16}Nm; Mrr7.43 Mθθ-0.03 Mφφ-7.40 Mrθ2.22 Mθφ-1.54 Mφr5.98 NP1:φs17.24000°,δ65.12000° ,λ95.15000°. NP2:φs185.15000°,δ25.38000°,λ79.04000°. Principal axes: T 9.8023,Plg69.0000°,Azm298.0000°; N 0.1987,Plg5.0000°,Azm195.0000° ; P -10.0010,Plg20.0000°,Azm103.0000° M0 9.90000×10^{16}
NEIC Event type se.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; Mrr5.38 Mθθ0.65 Mφφ-6.03 Mrθ3.16 Mθφ-1.73 Mφr6.76 NP1:φs23.00000°,δ71.00000°,λ97.00000°. NP2:φs181.00000° ,δ20.00000°,λ69.00000°. M0 9.54000×10^{16}
JMA Event type fe. E OFF FUKUSHIMA PREF .
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=6.8km az=72.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; Mrr2.85 Mθθ-0.08 Mφφ-2.77 Mrθ2.10 Mθφ-1.02 Mφr6.50 NP1:φs199.48000°,δ11.80000°,λ91.50000°. NP2:φs17.94000°,δ78.21000° ,λ89.69000°. Principal axes: T 7.3257,Plg57.0000°,Azm288.0000°; N 0.2617,Plg0.0000° ,Azm18.0000°; P -7.5874,Plg33.0000°,Azm108.0000° M0 7.46000×10^{16}
IDC Error ellipse: s-maj=10.1km s-min=8.4km az=109.0.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s107,c180; s142,c260;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; Mrr1.14±.02 Mθθ-0.16±.01; Mφφ-0.97±.02; Mrθ0.35±.01; Mθφ-0.28±.01; Mφr0.69±.01; Best double couple: NP1:φs23.00000°,δ62.00000°,λ95.00000°. NP2:φs193.00000°,δ28.00000°,λ81.00000°. Principal axes: T 1.3870,Plg72.0000° ,Azm303.0000°; N -0.0840,Plg4.0000°,Azm200.0000°; P -1.3030,Plg17.0000° ,Azm109.0000° M0 1.34500×10^{17}
BGR Event type ke.
ISC III 12 06 18 12.5–1.6 37.11N–.04 141.44E–.05 11–9 4.1b 92 1-147
IDC III 12 06 18 11.5–.69 37.07N 141.43E 0 3.9,3.9b ¶610325580

JMA III 12 06 18 13.6–.14 37.1N–.30 141.4E–.70 27–0 4.3,4.2
NIED III 12 06 18 13.6 37.12N 141.37E 27 3.9W,4.2
NEIC III 12 06 18 16.1–1.2 37.21N–.05 141.38E–.09 35–9 4.3b,4.2
ISC Event type ke.
JMA Event type fe. E OFF FUKUSHIMA PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-3.93 $M_{\theta\theta}$0.76 $M_{\phi\phi}$3.17 $M_{r\theta}$1.31 $M_{\theta\phi}$2.35 $M_{\phi r}$5.96 NP1:ϕ_s196.00000°,δ73.00000°,λ-101.00000°. NP2:ϕ_s49.00000° ,δ20.00000°,λ-58.00000°. $M_0$7.46000×10^{14}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 12 09 44 35.6–1.6 37.50N–.06 141.54E–.09 42–13 3.6b 33 1-74
IDC III 12 09 44 36.0–3.3 37.56N 141.78E 54–23 3.7,3.5b **¶614155933**
JMA III 12 09 44 37.3–.09 37.5N–.20 141.3E–.60 53–0 3.8,3.5b
ISC Event type ke.
JMA Event type fe. E OFF FUKUSHIMA PREF .
ISC III 12 21 03 38.5–1.9 37.23N–.04 141.62E–.07 12–10 26 1-57
JMA III 12 21 03 41.3–.17 37.3N–.30 141.5E–.90 28–1 3.1 **¶610546095**
IDC III 12 21 03 44.3–6.1 37.02N 141.59E 53–49 3.3,2.9b
ISC Event type ke.
JMA Event type ke. E OFF FUKUSHIMA PREF .
IDC Error ellipse: s-maj=46.7km s-min=18.1km az=56.0.
ISC III 12 23 34 45.0–2.4 38.89N–.06 142.3E–.10 27–13 3.5b 22 1-59
IDC III 12 23 34 38.0–3.0 39.06N 142.99E 0 3.5b,3.4 **¶610546103**
JMA III 12 23 34 48.7–.11 38.9N–.30 142.1E–.70 46–1 3.7,3.4
ISC Event type ke.
JMA Event type fe. KINKAZAN REGION .
ISC III 13 00 47 57.4–1.4 37.12N–.04 141.45E–.05 5–8 4.1b 95 1-147
IDC III 13 00 47 57.0–.61 37.12N 141.35E 0 4.1,4.0b **¶610326120**
JMA III 13 00 47 58.8–.16 37.1N–.30 141.4E–.80 26–1 4.4,4.3
NIED III 13 00 47 58.8 37.13N 141.37E 26 4.1W,4.3
MOS III 13 00 47 59.6–.85 37.31N 141.32E 25 4.6b,4.3
ISC Event type ke.
IDC Error ellipse: s-maj=15.7km s-min=12.0km az=144.0.
JMA Event type fe. E OFF FUKUSHIMA PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.70 $M_{\theta\theta}$0.03 $M_{\phi\phi}$0.67 $M_{r\theta}$-0.18 $M_{\theta\phi}$0.33 $M_{\phi r}$1.10 NP1:ϕ_s177.00000°,δ74.00000°,λ-107.00000°. NP2:ϕ_s45.00000° ,δ23.00000°,λ-45.00000°. $M_0$1.35000×10^{15}
MOS Error ellipse: s-maj=9.9km s-min=7.1km az=93.3.
ISC III 13 05 13 23.0–1.3 35.81N–.05 141.10E–.07 24–8 3.4b 27 0-147
IDC III 13 05 13 19.5–.88 35.76N 141.15E 0 3.5,3.4b **¶610470953**
NIED III 13 05 13 23.8 35.80N 140.99E 30 3.8W,3.4b
JMA III 13 05 13 23.8–.21 35.8N–.60 141E–1.0 30–1 3.6,3.4b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}4.26 $M_{\theta\theta}$-4.25 $M_{\phi\phi}$-0.01 $M_{r\theta}$3.67 $M_{\theta\phi}$-0.54 $M_{\phi r}$-2.30 NP1:ϕ_s108.00000°,δ68.00000°,λ109.00000°. NP2:ϕ_s245.00000° ,δ28.00000°,λ51.00000°. $M_0$6.05000×10^{14}
JMA Event type fe. NEAR CHOSHI CITY .
ISC III 13 18 54 11.6–1.0 35.85N–.04 141.01E–.06 28–7 3.5b 36 0-147
IDC III 13 18 54 07.2–1.2 35.81N 141.09E 0 3.6,3.5b **¶610470955**
JMA III 13 18 54 11.7–.20 35.8N–.50 140.9E–.90 33–1 3.8,3.5b
NIED III 13 18 54 11.7 35.84N 140.92E 33 3.9W,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=29.6km s-min=17.6km az=83.0.
JMA Event type fe. NEAR CHOSHI CITY .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-3.87 $M_{\theta\theta}$-2.15 $M_{\phi\phi}$6.02 $M_{r\theta}$-1.75 $M_{\theta\phi}$0.20 $M_{\phi r}$-4.02 NP1:ϕ_s21.00000°,δ68.00000°,λ-69.00000°. NP2:ϕ_s155.00000° ,δ30.00000°,λ-132.00000°. $M_0$6.73000×10^{14}
ISC III 14 08 39 19.4–2.7 37.34N–.06 141.7E–.10 7–12 3.7b 23 1-51
IDC III 14 08 39 13.3–6.5 36.92N 142.34E 0 3.8,3.8b **¶610470958**
JMA III 14 08 39 21.5–.18 37.4N–.30 141.6E–.90 30–1 3.6,3.8b
NIED III 14 08 39 21.5 37.36N 141.57E 30 3.4W,3.8b
ISC Event type ke.
IDC Error ellipse: s-maj=120.3km s-min=44.2km az=146.0.
JMA Event type ke. E OFF FUKUSHIMA PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-1.09 $M_{\theta\theta}$0.08 $M_{\phi\phi}$1.00 $M_{r\theta}$-0.14 $M_{\theta\phi}$0.64 $M_{\phi r}$-0.28 NP1:ϕ_s27.00000°,δ52.00000°,λ-90.00000°. NP2:ϕ_s207.00000° ,δ38.00000°,λ-90.00000°. $M_0$1.25000×10^{14}
ISC III 15 07 30 31.8–.75 35.75N–.05 140.74E–.06 52–6 4.0b 82 0-147
NIED III 15 07 30 30.8 35.74N 140.68E 50 4.1W **¶610329577**
JMA III 15 07 30 30.8–.21 35.7N–.60 140.7E–.80 50–1 3.7
NEIC III 15 07 30 33.0–1.2 35.84N–.07 140.7E–.10 61–8 4.3b
IDC III 15 07 30 34.2–2.2 35.67N 140.56E 75–18 3.8,3.5b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}1.14 $M_{\theta\theta}$-0.08 $M_{\phi\phi}$-1.05 $M_{r\theta}$-0.05 $M_{\theta\phi}$-0.03 $M_{\phi r}$0.96 NP1:ϕ_s359.00000°,δ66.00000°,λ87.00000°. NP2:ϕ_s185.00000° ,δ24.00000°,λ96.00000°. $M_0$1.46000×10^{15}
JMA Event type fe. NEAR CHOSHI CITY .
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=8.9km az=116.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=17.0km s-min=14.8km az=98.0.
ISC III 15 15 42 42.9–1.9 37.03N–.05 141.23E–.08 15–9 20 0-61
JMA III 15 15 42 43.0–.09 37.0N–.20 141.2E–.40 21–0 3.0 **¶610546257**
IDC III 15 15 42 44.3–5.6 36.55N 141.18E 0 3.4,3.4b
ISC Event type ke.
JMA Event type ke. E OFF FUKUSHIMA PREF .
IDC Error ellipse: s-maj=114.9km s-min=32.7km az=24.0.
ISC III 15 17 05 19.8–.77 35.90N–.04 140.88E–.06 44–6 4.0b 77 0-148
JMA III 15 17 05 19.4–.16 35.9N–.40 140.9E–.70 43–1 3.6 **¶610470972**
NIED III 15 17 05 19.4 35.90N 140.87E 43 4.1W
NEIC III 15 17 05 20.5–1.3 35.93N–.08 141.0E–.10 50–8 4.4b
IDC III 15 17 05 20.8–2.8 35.85N 140.76E 53–24 3.8,3.6b
ISC Event type ke.
JMA Event type fe. NEAR CHOSHI CITY .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.85 $M_{\theta\theta}$-0.13 $M_{\phi\phi}$-0.72 $M_{r\theta}$0.07 $M_{\theta\phi}$-0.48 $M_{\phi r}$1.35 NP1:ϕ_s8.00000°,δ74.00000°,λ76.00000°. NP2:ϕ_s230.00000° ,δ21.00000°,λ130.00000°. $M_0$1.64000×10^{15}
NEIC Event type se. Error ellipse: s-maj=16.2km s-min=7.4km az=125.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=19.1km s-min=15.3km az=113.0.
ISC III 16 01 56 26.6–1.1 37.38N–.05 141.6E–.10 21–5 3.6b 27 1-57
IDC III 16 01 56 22.9–1.8 37.47N 141.92E 0 3.6b,3.5 **¶610546284**
JMA III 16 01 56 26.7–.16 37.4N–.40 141.6E–.80 31–1 3.4,3.5
ISC Event type ke.
JMA Event type ke. E OFF FUKUSHIMA PREF .
ISC III 16 05 31 09.9–2.4 37.20N–.05 141.5E–.10 23–14 3.6b 22 0-74
IDC III 16 05 31 06.2–1.8 37.34N 141.60E 0 3.6b,3.5 **¶610546294**
JMA III 16 05 31 10.4–.19 37.2N–.40 141.4E–.90 28–1 3.5,3.5
ISC Event type ke.
JMA Event type ke. E OFF FUKUSHIMA PREF .
ISC III 16 16 46 46.2–2.1 37.22N–.04 141.28E–.10 13–11 19 0-57
IDC III 16 16 46 43.6–2.7 37.20N 141.64E 0 3.1b,3.0 **¶614159327**
JMA III 16 16 46 47.1–.15 37.2N–.20 141.2E–.70 17–1 2.9,3.0
ISC Event type ke.
JMA Event type ke. E OFF FUKUSHIMA PREF .
ISC III 17 10 15 24.2–2.3 37.35N–.05 141.8E–.10 24–13 27 1-57
JMA III 17 10 15 26.4–.14 37.4N–.40 141.7E–.80 42–2 3.4 **¶610546379**
IDC III 17 10 15 28.6–2.6 38.20N 140.80E 0 3.2b,3.1
ISC Event type ke.
JMA Event type ke. E OFF FUKUSHIMA PREF .
IDC Error ellipse: s-maj=47.3km s-min=38.7km az=94.0.
ISC III 17 13 00 25.1–.61 35.92N–.04 140.58E–.05 56–5 4.3b,3.2s 167 0-91
MOS III 17 13 00 23.0–1.1 35.97N 140.65E 54 4.6b,3.2s **¶610339919**
BJI III 17 13 00 24.0–.00 35.90N 140.50E 69 4.7b,4.5b
NIED III 17 13 00 26.4 36.02N 140.38E 55 4.2W,4.5b
JMA III 17 13 00 26.4–.14 36.0N–.30 140.4E–.50 55–1 3.6,4.5b
NEIC III 17 13 00 26.2–1.5 35.97N–.03 140.48E–.08 56–6 4.5b,4.5b
IDC III 17 13 00 28.5–1.9 35.93N 140.29E 81–15 4.1,3.8b
ISC Event type ke.
MOS Error ellipse: s-maj=8.9km s-min=5.7km az=110.6.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}1.73 $M_{\theta\theta}$0.18 $M_{\phi\phi}$-1.92 $M_{r\theta}$-0.14 $M_{\theta\phi}$-0.59 $M_{\phi r}$1.64 NP1:ϕ_s1.00000°,δ66.00000°,λ77.00000°. NP2:ϕ_s211.00000° ,δ27.00000°,λ117.00000°. $M_0$2.52000×10^{15}
JMA Event type fe. SOUTHERN IBARAKI PREF .
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=4.1km az=81.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=15.6km s-min=11.9km az=108.0.
ISC III 17 14 23 24.2–1.2 35.68N–.06 140.83E–.08 45–7 16 0-56
JMA III 17 14 23 23.7–.19 35.7N–.60 140.8E–.80 49–1 2.7 **¶610546389**
IDC III 17 14 23 27.4–6.6 35.81N 140.72E 74–49 3.2,3.0b
ISC Event type ke.
JMA Event type ke. NEAR CHOSHI CITY .
IDC Error ellipse: s-maj=75.6km s-min=35.0km az=58.0.
ISC III 17 16 59 55.4–2.0 36.31N–.09 141.9E–.10 19 3.3b 17 1-60
JMA III 17 16 59 55.3–.35 36.3N–.60 142E–2.0 19 3.1 **¶614160153**
IDC III 17 16 59 56.3–1.7 36.63N 141.78E 0 3.3,3.3b
ISC Event type ke.
JMA Event type ke. FAR E OFF IBARAKI PREF .
IDC Error ellipse: s-maj=37.1km s-min=27.2km az=60.0.
JMA III 17 22 34 17.0–.13 35.9N–.40 140.9E–.60 15–1 0.9
¶614160373
JMA Event type ke. NEAR CHOSHI CITY .
ISC III 18 19 54 24.9–1.8 37.96N–.04 141.86E–.08 18–5 37 0-5
NIED III 18 19 54 24.9 37.94N 141.90E 43 3.7W **¶610470984**
JMA III 18 19 54 24.9–.14 37.9N–.40 141.9E–.80 43–1 3.7
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-0.60 $M_{\theta\theta}$1.60 $M_{\phi\phi}$-1.01 $M_{r\theta}$-2.46 $M_{\theta\phi}$0.51 $M_{\phi r}$2.87 NP1:ϕ_s132.00000°,δ88.00000°,λ-70.00000°. NP2:ϕ_s229.00000° ,δ20.00000°,λ-173.00000°. $M_0$4.00000×10^{14}
JMA Event type ke. SE OFF MIYAGI PREF .
ISC III 19 04 34 15.4–1.1 37.13N–.04 141.39E–.05 19–3 3.6b 36 0-147
JMA III 19 04 34 14.4–.17 37.1N–.30 141.4E–.80 27–1 3.6 **¶610470989**
NIED III 19 04 34 14.4 37.14N 141.44E 27 3.6W
IDC III 19 04 34 18.2–3.1 37.08N 141.38E 40–27 3.6,3.4b
ISC Event type ke.
JMA Event type ke. E OFF FUKUSHIMA PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-1.95 $M_{\theta\theta}$0.95 $M_{\phi\phi}$1.00 $M_{r\theta}$-0.64 $M_{\theta\phi}$1.49 $M_{\phi r}$1.38 NP1:ϕ_s196.00000°,δ60.00000°,λ-126.00000°. NP2:ϕ_s71.00000° ,δ45.00000°,λ-45.00000°. $M_0$2.71000×10^{14}
IDC Error ellipse: s-maj=25.3km s-min=20.4km az=127.0.
ISC III 19 04 39 36.7–2.2 37.10N–.06 141.50E–.08 2–13 3.9b,3.5s 34 1-147
IDC III 19 04 39 35.9–.79 36.97N 141.51E 0 3.8,3.8b **¶610470990**
JMA III 19 04 39 38.2–.18 37.2N–.30 141.4E–.90 27–1 3.8,3.8b
NIED III 19 04 39 38.2 37.15N 141.42E 27 3.8W,3.8b
ISC Event type ke.
IDC Error ellipse: s-maj=19.3km s-min=16.0km az=142.0.
JMA Event type ke. E OFF FUKUSHIMA PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-4.18 $M_{\theta\theta}$1.00 $M_{\phi\phi}$3.18 $M_{r\theta}$-1.72 $M_{\theta\phi}$2.57 $M_{\phi r}$0.85 NP1:ϕ_s56.00000°,δ51.00000°,λ-59.00000°. NP2:ϕ_s192.00000° ,δ48.00000°,λ-123.00000°. $M_0$4.96000×10^{14}
ISC III 19 11 35 43.5–.68 35.67N–.05 140.24E–.05 69–6 4.1b 98 0-118
IDC III 19 11 35 42.7–2.0 35.62N 140.26E 59–18 3.9,3.6b **¶610470991**
NIED III 19 11 35 43.3 35.73N 140.20E 66 4.1W,3.6b
NEIC III 19 11 35 43.6–1.2 35.69N–.05 140.25E–.04 60–8 4.5b,3.6b
JMA III 19 11 35 43.3–.22 35.7N–.60 140.2E–.80 66–1 3.5,3.6b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.81 $M_{\theta\theta}$0.47 $M_{\phi\phi}$-1.28 $M_{r\theta}$0.22 $M_{\theta\phi}$0.24 $M_{\phi r}$0.79 NP1:ϕ_s13.00000°,δ67.00000°,λ114.00000°. NP2:ϕ_s145.00000° ,δ33.00000°,λ47.00000°. $M_0$1.37000×10^{15}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. NORTHERN CHIBA PREF .
ISC III 19 13 20 40.6–1.1 35.35N–.04 140.68E–.06 40–9 18 0-55
IDC III 19 13 20 34.7–4.6 35.36N 140.84E 0 3.2b,3.1 **¶610546512**
JMA III 19 13 20 40.2–.20 35.4N–.50 140.6E–.90 42–2 2.7,3.1
ISC Event type ke.
JMA Event type ke. KUJUKURI COAST BOSO PEN .
ISC III 19 14 36 15.7–.65 35.48N–.05 141.09E–.06 33 3.6b 39 0-147
JMA III 19 14 36 16.0–.20 35.6N–.60 141E–1.0 38–1 3.2 **¶610546515**
IDC III 19 14 36 17.5–2.7 35.44N 140.97E 45–26 3.7,3.5L
ISC Event type ke.
JMA Event type ke. NEAR CHOSHI CITY .
IDC Error ellipse: s-maj=24.7km s-min=16.0km az=81.0.
ISC III 20 08 54 41.2–1.2 37.60N–.05 141.84E–.07 40–12 3.7b 46 1-90
IDC III 20 08 54 41.2–2.8 37.57N 141.72E 40–26 3.6s,3.6 **¶614162620**
JMA III 20 08 54 42.1–.08 37.6N–.20 141.7E–.50 47–1 4.0,3.6
ISC Event type ke.
JMA Event type fe. E OFF FUKUSHIMA PREF .
ISC III 20 17 50 48.6–1.7 39.01N–.04 142.28E–.08 31–11 28 0-59
JMA III 20 17 50 48.0–.14 39.1N–.30 142.4E–.70 31–1 3.3 **¶610543345**
IDC III 20 17 50 56.1–1.3 39.78N 139.95E 135–15 3.2,2.9b
ISC Event type ke.
JMA Event type ke. E OFF IWATE PREF .
IDC Error ellipse: s-maj=62.0km s-min=10.7km az=113.0.
ISC III 20 20 05 15.2–.96 35.58N–.04 140.09E–.04 71–7 3.5b 35 0-55
IDC III 20 20 05 12.2–1.9 34.78N 138.32E 0 3.4,3.4b **¶610543355**
JMA III 20 20 05 15.1–.24 35.6N–.60 140.1E–.80 68–2 3.2,3.4b
ISC Event type ke.
JMA Event type fe. CENTRAL CHIBA PREF .
ISC III 20 21 52 04.1–1.3 36.42N–.04 141.11E–.06 34–3 3.4b 31 0-56
JMA III 20 21 52 04.5–.12 36.4N–.30 141.0E–.80 44–1 3.4 **¶610543358**
IDC III 20 21 52 05.2–3.0 36.44N 141.11E 45–27 3.4,3.2b
ISC Event type ke.
JMA Event type ke. E OFF IBARAKI PREF .
IDC Error ellipse: s-maj=28.7km s-min=16.0km az=138.0.
ISC III 21 04 18 53.3–1.0 35.07N–.04 140.03E–.05 65–6 34 0-55
IDC III 21 04 18 48.1–1.9 34.60N 139.39E 0 3.3,3.3b **¶610543378**
JMA III 21 04 18 52.9–.16 35.1N–.60 140.0E–.60 67–1 3.0,3.3b
ISC Event type ke.
JMA Event type ke. SOUTHERN BOSO PENINSULA .
ISC III 21 15 15 33.4–.79 35.06N–.04 140.07E–.04 70–5 4.4b 60 0-59
IDC III 21 15 15 27.3–1.8 34.86N 140.22E 0 3.7,3.6b **¶610415859**
NEIC III 21 15 15 33.2–2.1 35.04N–.05 140.15E–.08 77–11 4.2b,3.6b
JMA III 21 15 15 33.8–.18 35.1N–.70 140.0E–.70 69–1 3.3,3.6b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. SOUTHERN BOSO PENINSULA .
ISC III 21 16 34 08.7–1.1 34.88N–.05 140.11E–.05 70–8 29 0-55
IDC III 21 16 34 02.3–2.0 34.66N 140.59E 0 3.4,3.2L **¶610543413**
JMA III 21 16 34 09.2–.19 34.8N–.60 140.1E–.70 64–1 3.1,3.2L
ISC Event type ke.
JMA Event type ke. SE OFF BOSO PENINSULA .
ISC III 21 20 09 05.0–1.8 37.12N–.04 141.43E–.07 11–10 3.5b 31 1-61
IDC III 21 20 09 03.6–1.2 36.96N 141.51E 0 3.5b,3.4 **¶610543424**
JMA III 21 20 09 05.6–.19 37.2N–.40 141.4E–.90 27–1 3.4,3.4
ISC Event type ke.
JMA Event type ke. E OFF FUKUSHIMA PREF .
ISC III 22 00 21 03.3–.68 37.30N–.04 141.58E–.05 27–3 4.4b,3.7s 192 1-147
IDC III 22 00 20 59.0–.58 37.33N 141.53E 0 4.1,4.1b **¶614163794**
JMA III 22 00 21 01.5–.18 37.3N–.40 141.6E–.90 34–1 4.7,4.5
NIED III 22 00 21 01.5 37.27N 141.57E 34 4.1W,4.5
NEIC III 22 00 21 02.2–1.6 37.40N–.05 141.54E–.05 14–4 4.6b,4.5
BJI III 22 00 21 03.6–.00 37.11N 141.39E 38 4.9b,4.6b
ISC Event type ke.
IDC Error ellipse: s-maj=15.1km s-min=12.8km az=125.0.
JMA Event type fe. E OFF FUKUSHIMA PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.46 $M_{\theta\theta}$-0.48 $M_{\phi\phi}$0.95 $M_{r\theta}$1.07 $M_{\theta\phi}$0.55 $M_{\phi r}$0.83 NP1:ϕ_s232.00000°,δ80.00000°,λ-61.00000°. NP2:ϕ_s339.00000° ,δ31.00000°,λ-160.00000°. $M_0$1.67000×10^{15}

NEIC Event type se. Error ellipse: s-maj=8.6km s-min=2.6km az=214.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 22 13 50 14.7–.67 35.69N–.05 140.65E–.05 51–5 4.1b,2.9s 88 0-79
JMA III 22 13 50 14.4–.17 35.7N–.50 140.6E–.60 50–1 3.6,2.9s **¶610424466**
NEIC III 22 13 50 14.9–2.2 35.59N–.06 140.7E–.10 59–7 4.3b,2.9s
NIED III 22 13 50 14.4 35.70N 140.63E 50 4.1W,2.9s
IDC III 22 13 50 17.2–2.5 35.59N 140.48E 71–21 3.8,3.5b
ISC Event type ke.
JMA Event type fe. NEAR CHOSHI CITY .
NEIC Event type se. Error ellipse: s-maj=12.5km s-min=8.5km az=110.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.94 $M_{\theta\theta}$-0.13 $M_{\phi\phi}$-0.81 $M_{r\theta}$0.18 $M_{\theta\phi}$-0.11 $M_{\phi r}$1.08 NP1:ϕ_s9.00000°,δ70.00000°,λ90.00000°. NP2:ϕ_s189.00000° ,δ20.00000°,λ90.00000°. $M_0$1.41000×10^{15}
IDC Error ellipse: s-maj=19.9km s-min=15.0km az=87.0.
ISC III 22 14 47 21.4–.96 36.64N–.04 141.00E–.07 47–7 4.0b 72 0-147
NIED III 22 14 47 21.6 36.64N 140.94E 48 3.8W **¶610424468**
JMA III 22 14 47 21.6–.11 36.6N–.30 140.9E–.70 48–1 3.8
NEIC III 22 14 47 22.1–2.1 36.69N–.06 141.0E–.10 47–9 4.1b
IDC III 22 14 47 23.1–2.1 36.63N 140.90E 63–17 3.8,3.5b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}4.89 $M_{\theta\theta}$-0.83 $M_{\phi\phi}$-4.06 $M_{r\theta}$-0.30 $M_{\theta\phi}$-1.82 $M_{\phi r}$2.64 NP1:ϕ_s11.00000°,δ59.00000°,λ76.00000°. NP2:ϕ_s217.00000° ,δ34.00000°,λ112.00000°. $M_0$5.55000×10^{14}
JMA Event type fe. E OFF IBARAKI PREF .
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=7.8km az=112.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=18.7km s-min=12.9km az=129.0.
ISC III 22 19 50 56.6–1.5 36.03N–.05 141.27E–.07 25–11 3.5b 24 0-60
IDC III 22 19 50 52.8–1.5 36.10N 141.53E 0 3.4,3.4b **¶610543486**
JMA III 22 19 50 56.4–.21 36.0N–.50 141E–1.0 31–2 3.3,3.4b
ISC Event type ke.
JMA Event type fe. FAR E OFF IBARAKI PREF .
ISC III 23 08 52 51.8–1.0 38.43N–.05 141.91E–.08 59–8 3.7b 36 0-146
JMA III 23 08 52 52.5–.10 38.4N–.20 141.8E–.50 58–0 4.0,3.8 **¶610543523**
IDC III 23 08 52 56.1–3.1 38.47N 141.51E 99–30 3.5,3.2b
ISC Event type ke.
JMA Event type fe. E OFF MIYAGI PREF .
IDC Error ellipse: s-maj=28.8km s-min=21.6km az=102.0.
ISC III 23 11 52 17.8–1.6 37.20N–.04 141.38E–.06 10–9 3.5b 30 0-147
IDC III 23 11 52 16.4–1.0 37.14N 141.41E 0 3.5,3.5b **¶610471010**
NIED III 23 11 52 18.3 37.23N 141.37E 24 3.6W,3.5b
JMA III 23 11 52 18.3–.18 37.2N–.30 141.4E–.90 24–1 3.5,3.5b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-2.43 $M_{\theta\theta}$0.62 $M_{\phi\phi}$1.81 $M_{r\theta}$0.41 $M_{\theta\phi}$1.27 $M_{\phi r}$0.87 NP1:ϕ_s210.00000°,δ55.00000°,λ-93.00000°. NP2:ϕ_s36.00000° ,δ35.00000°,λ-85.00000°. $M_0$2.70000×10^{14}
JMA Event type ke. E OFF FUKUSHIMA PREF .
ISC III 24 11 46 47.2–1.0 34.73N–.04 140.15E–.05 83–7 3.4b 31 0-58
IDC III 24 11 46 40.6–7.2 35.13N 141.19E 59–53 3.2,3.0b **¶610543594**
JMA III 24 11 46 46.8–.27 34.7N–.80 140.1E–1.0 82–2 2.9,3.0b
ISC Event type ke.
JMA Event type ke. SE OFF BOSO PENINSULA .
ISC III 24 17 48 44.3–1.6 38.35N–.04 142.02E–.07 18–4 3.5b 26 0-62
IDC III 24 17 48 41.5–1.7 38.28N 141.92E 0 3.4b,3.2 **¶610543612**
JMA III 24 17 48 45.3–.14 38.4N–.30 142.1E–.70 35–1 3.3,3.2
ISC Event type ke.
JMA Event type ke. E OFF MIYAGI PREF .
ISC III 24 21 19 47.1–1.1 35.07N–.04 140.02E–.05 66–7 30 0-59
IDC III 24 21 19 43.5–1.8 34.51N 138.84E 0 3.4,3.4b **¶610543617**
JMA III 24 21 19 46.5–.17 35.1N–.60 140.0E–.70 68–1 3.1,3.4b
ISC Event type ke.
JMA Event type ke. SOUTHERN BOSO PENINSULA .
ISC III 25 04 11 12.8–2.0 37.01N–.04 141.21E–.09 10–13 17 0-57
JMA III 25 04 11 14.4–.08 37.0N–.10 141.2E–.40 20–0 3.0 **¶610543625**
IDC III 25 04 11 14.7–2.7 36.59N 141.26E 0 3.1s,3.1b
ISC Event type ke.
JMA Event type ke. E OFF FUKUSHIMA PREF .
IDC Error ellipse: s-maj=55.6km s-min=31.3km az=39.0.
ISC III 26 15 35 21.3–1.4 35.52N–.07 141.4E–.10 25 3.3b 15 0-59
IDC III 26 15 35 17.0–1.7 35.66N 141.70E 0 3.5L,3.4 **¶610543732**
JMA III 26 15 35 23.2–.17 35.4N–.40 141.3E–.90 32–1 2.8,3.4
ISC Event type ke.
JMA Event type ke. E OFF BOSO PENINSULA .
ISC III 26 20 23 47.3–1.5 35.36N–.08 141.4E–.10 25 11 1-55
IDC III 26 20 23 42.4–3.3 35.54N 141.70E 0 3.4b,3.2 **¶610543743**
JMA III 26 20 23 48.1–.18 35.4N–.40 141.3E–1.0 27–1 2.6,3.2
ISC Event type ke.
JMA Event type ke. E OFF BOSO PENINSULA .
ISC III 27 05 31 46.2–1.2 36.80N–.04 140.66E–.04 7–8 4.0b 66 0-148
JMA III 27 05 31 47.6–.02 36.72N–.06 140.6E–.10 7–0 3.8 **¶610471026**
NIED III 27 05 31 47.6 36.72N 140.63E 7 3.6W
NEIC III 27 05 31 52.4–1.3 36.94N–.07 140.3E–.10 57–9 4.4b
IDC III 27 05 31 53.0–2.7 36.79N 140.56E 51–23 3.8,3.6L
ISC Event type ke.
JMA Event type fe. NORTHERN IBARAKI PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-2.77 $M_{\theta\theta}$1.33 $M_{\phi\phi}$1.45 $M_{r\theta}$-0.90 $M_{\theta\phi}$-1.59 $M_{\phi r}$1.00 NP1:ϕ_s137.00000°,δ58.00000°,λ-89.00000°. NP2:ϕ_s315.00000° ,δ32.00000°,λ-92.00000°. $M_0$3.18000×10^{14}
NEIC Event type se. Error ellipse: s-maj=13.5km s-min=7.6km az=126.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=19.1km s-min=15.9km az=136.0.
ISC III 28 08 34 57.1–1.5 37.22N–.04 141.31E–.06 13–8 3.7b 49 0-151
IDC III 28 08 34 54.9–.83 37.16N 141.40E 0 3.8b,3.7 **¶610471031**
JMA III 28 08 34 57.9–.13 37.2N–.20 141.3E–.70 26–0 4.2,4.0
NIED III 28 08 34 57.9 37.24N 141.25E 26 3.8W,4.0
ISC Event type ke.
IDC Error ellipse: s-maj=21.0km s-min=17.3km az=124.0.
JMA Event type fe. E OFF FUKUSHIMA PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-2.86 $M_{\theta\theta}$4.20 $M_{\phi\phi}$-1.35 $M_{r\theta}$2.62 $M_{\theta\phi}$1.55 $M_{\phi r}$2.61 NP1:ϕ_s230.00000°,δ70.00000°,λ-117.00000°. NP2:ϕ_s106.00000° ,δ33.00000°,λ-38.00000°. $M_0$5.42000×10^{14}
ISC III 28 10 28 24.1–.96 36.02N–.05 140.08E–.06 71–8 3.5b 24 0-60
JMA III 28 10 28 25.2–.18 36.0N–.30 140.1E–.30 61–0 3.2 **¶610543845**
IDC III 28 10 28 30.0–2.3 35.29N 138.25E 68–26 3.5,3.2b
ISC Event type ke.
JMA Event type fe. SOUTHERN IBARAKI PREF .
IDC Error ellipse: s-maj=40.7km s-min=22.4km az=68.0.
ISC III 30 08 30 12.3–1.4 38.17N–.05 141.9E–.10 52–10 3.8b 30 0-62
IDC III 30 08 30 04.2–1.5 38.33N 142.31E 0 3.7b,3.6 **¶610543979**
JMA III 30 08 30 14.0–.10 38.2N–.30 141.7E–.50 50–0 3.4,3.6
ISC Event type ke.
JMA Event type ke. E OFF MIYAGI PREF .
ISC III 30 15 02 35.0–1.7 36.23N–.06 141.6E–.10 26 3.4b 15 1-60
JMA III 30 15 02 33.5–.26 36.2N–.50 142E–2.0 50–4 2.6 **¶614171162**
IDC III 30 15 02 34.4–2.4 36.57N 141.66E 0 3.3,3.3b
ISC Event type ke.
JMA Event type ke. FAR E OFF IBARAKI PREF .
IDC Error ellipse: s-maj=48.2km s-min=27.8km az=49.0.
ISC III 30 20 57 46.0–1.2 38.34N–.04 141.73E–.08 52–7 32 0-58
IDC III 30 20 57 36.3–2.5 38.62N 142.39E 0 3.5b,3.4 **¶614171415**
JMA III 30 20 57 46.6–.09 38.4N–.20 141.7E–.40 54–0 3.7,3.4
ISC Event type ke.
JMA Event type fe. KINKAZAN REGION .
ISC IV 01 11 28 29.0–1.2 36.74N–.04 140.64E–.04 5–8 3.8b 59 0-91
IDC IV 01 11 28 28.1–.73 36.75N 140.63E 0 3.8L,3.7 **¶616497987**
NIED IV 01 11 28 29.6 36.70N 140.65E 6 3.7W,3.7
JMA IV 01 11 28 29.6–.04 36.7N–.10 140.7E–.20 6–0 4.0,3.8
NEIC IV 01 11 28 33.5–1.2 36.80N–.07 140.6E–.10 35–4 4.0b,3.8
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-2.45 $M_{\theta\theta}$-0.05 $M_{\phi\phi}$2.50 $M_{r\theta}$-2.02 $M_{\theta\phi}$-1.38 $M_{\phi r}$1.81 NP1:ϕ_s138.00000°,δ68.00000°,λ-107.00000°. NP2:ϕ_s358.00000° ,δ27.00000°,λ-54.00000°. $M_0$3.91000×10^{14}
JMA Event type fe. NORTHERN IBARAKI PREF .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 01 15 40 45.3–1.0 40.39N–.04 142.05E–.06 50–8 3.5b 31 0-66
JMA IV 01 15 40 45.3–.10 40.4N–.30 142.1E–.60 51–0 3.7 **¶610651713**
IDC IV 01 15 40 46.1–2.4 40.40N 142.30E 70–21 3.6,3.3b
ISC Event type ke.
JMA Event type fe. NE OFF IWATE PREF .
IDC Error ellipse: s-maj=36.5km s-min=16.1km az=98.0.
ISC IV 01 15 41 49.6–1.3 35.37N–.04 140.49E–.09 32–7 3.3b 17 0-59
IDC IV 01 15 41 48.2–2.6 34.84N 139.66E 0 3.3b,3.2 **¶610471060**
JMA IV 01 15 41 50.5–.19 35.4N–.40 140.3E–.80 31–1 3.0,3.2
ISC Event type ke.
JMA Event type fe. KUJUKURI COAST BOSO PEN .
ISC IV 01 18 25 30.4–2.2 39.14N–.05 142.4E–.10 28–13 26 1-59
JMA IV 01 18 25 29.6–.15 39.1N–.30 142.5E–.70 31–1 3.2 **¶610651717**
IDC IV 01 18 25 33.8–1.9 39.63N 141.37E 0 3.4b,3.2
ISC Event type ke.
JMA Event type ke. E OFF IWATE PREF .
IDC Error ellipse: s-maj=50.0km s-min=23.3km az=103.0.
ISC IV 02 03 32 16.4–.70 38.03N–.06 142.63E–.05 26–4 4.5b,3.8s 229 1-146
IDC IV 02 03 32 12.6–.56 37.96N 142.55E 0 4.1,4.1b **¶610470168**
BJI IV 02 03 32 12.0–.00 37.84N 142.73E 15 4.8b,4.5b
MOS IV 02 03 32 13.8–1.1 38.09N 142.58E 19 4.6b,4.5b
JMA IV 02 03 32 14.8–.23 38.0N–.60 142.6E–1.0 36–2 4.8,4.5
NIED IV 02 03 32 14.8 37.97N 142.58E 36 4.3W,4.5
NEIC IV 02 03 32 16.3–1.3 38.00N–.08 142.58E–.10 21–5 4.5b,4.5
ISC Event type ke.
JMA Event type fe. SE OFF MIYAGI PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.89 $M_{\theta\theta}$-0.16 $M_{\phi\phi}$1.05 $M_{r\theta}$-0.82 $M_{\theta\phi}$0.41 $M_{\phi r}$2.62 NP1:ϕ_s165.00000°,δ81.00000°,λ-103.00000°. NP2:ϕ_s43.00000° ,δ16.00000°,λ-33.00000°. $M_0$2.94000×10^{15}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 02 15 54 00.7–1.5 39.67N–.04 142.3E–.10 46–10 3.7b 35 0-67
IDC IV 02 15 53 52.3–1.7 39.78N 142.80E 0 3.6,3.6b **¶614786663**
JMA IV 02 15 54 01.5–.09 39.6N–.20 142.1E–.50 48–0 3.3,3.6b
ISC Event type ke.
JMA Event type fe. E OFF IWATE PREF .
ISC IV 03 13 59 59.3–1.7 37.19N–.04 141.48E–.07 15–10 24 1-57
IDC IV 03 13 59 57.0–2.1 37.22N 141.56E 0 3.5s,3.3b **¶610651844**
JMA IV 03 14 00 01.6–.15 37.2N–.30 141.4E–.70 25–1 3.4,3.3b
ISC Event type ke.
JMA Event type ke. E OFF FUKUSHIMA PREF .
ISC IV 03 14 49 03.5–1.9 38.41N–.06 142.23E–.08 29–11 3.7b 31 1-68
NIED IV 03 14 49 05.1 38.41N 142.11E 39 3.5W **¶610630671**
JMA IV 03 14 49 05.1–.13 38.4N–.30 142.1E–.80 39–1 3.7
IDC IV 03 14 49 07.1–3.2 38.43N 142.18E 64–26 3.5,3.3b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-0.24 $M_{\theta\theta}$-0.62 $M_{\phi\phi}$0.86 $M_{r\theta}$1.14 $M_{\theta\phi}$-0.22 $M_{\phi r}$1.80 NP1:ϕ_s211.00000°,δ87.00000°,λ-70.00000°. NP2:ϕ_s311.00000° ,δ20.00000°,λ-170.00000°. $M_0$2.27000×10^{14}
JMA Event type fe. E OFF MIYAGI PREF .
IDC Error ellipse: s-maj=29.9km s-min=16.5km az=100.0.
ISC IV 03 19 35 43.0–1.1 35.37N–.07 141.15E–.08 33 3.2b 19 0-59
IDC IV 03 19 35 38.1–1.8 35.34N 141.27E 0 3.3,3.3b **¶610651869**
JMA IV 03 19 35 42.7–.18 35.4N–.50 141E–1.0 31–2 2.9,3.3b
ISC Event type ke.
JMA Event type ke. E OFF BOSO PENINSULA .
ISC IV 04 16 55 13.1–1.4 37.18N–.07 141.6E–.10 76–9 33 1-57
IDC IV 04 16 55 12.6–3.5 37.19N 141.66E 78–32 3.6,3.1b **¶614788355**
JMA IV 04 16 55 14.7–.11 37.2N–.30 141.4E–.70 78–0 3.8,3.1b
ISC Event type ke.
JMA Event type fe. E OFF FUKUSHIMA PREF .
ISC IV 04 17 37 42.9–2.0 37.24N–.05 141.52E–.08 15–12 24 1-61
IDC IV 04 17 37 41.0–2.0 37.25N 141.64E 0 3.2,3.2b **¶610651938**
JMA IV 04 17 37 44.2–.18 37.2N–.40 141.5E–.90 31–1 3.4,3.2b
ISC Event type ke.
JMA Event type ke. E OFF FUKUSHIMA PREF .
JMA IV 04 23 58 49.3–.24 35.7N–.60 141E–1.0 36–1 0.9
¶614788605
JMA Event type ke. NEAR CHOSHI CITY .
ISC IV 05 20 00 13.6–.72 39.61N–.03 142.05E–.06 51–5 4.3b 109 0-81
NIED IV 05 20 00 13.5 39.63N 142.11E 48 4.1W **¶610505782**
JMA IV 05 20 00 13.5–.09 39.6N–.20 142.1E–.60 48–0 4.2,4.1
NEIC IV 05 20 00 14.2–1.1 39.64N–.06 142.1E–.10 53–9 4.5b,4.1
IDC IV 05 20 00 18.6–2.0 39.67N 142.01E 98–18 4.2,3.8b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.87 $M_{\theta\theta}$0.14 $M_{\phi\phi}$-1.01 $M_{r\theta}$0.37 $M_{\theta\phi}$-0.39 $M_{\phi r}$0.93 NP1:ϕ_s21.00000°,δ67.00000°,λ94.00000°. NP2:ϕ_s191.00000° ,δ23.00000°,λ81.00000°. $M_0$1.41000×10^{15}
JMA Event type fe. E OFF IWATE PREF .
NEIC Event type se. Error ellipse: s-maj=13.9km s-min=7.8km az=108.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=16.1km s-min=11.7km az=100.0.
ISC IV 07 20 17 29.9–1.5 37.19N–.06 141.5E–.10 20–5 25 1-44
JMA IV 07 20 17 30.6–.18 37.2N–.30 141.4E–.90 27–1 3.2 **¶614790627**
IDC IV 07 20 17 32.8–6.2 37.19N 141.56E 53–31 3.1,3.0b
ISC Event type ke.
JMA Event type ke. E OFF FUKUSHIMA PREF .
IDC Error ellipse: s-maj=72.6km s-min=15.5km az=134.0.
ISC IV 08 01 46 08.0–1.6 40.20N–.04 142.59E–.07 25–11 3.8b 31 1-72
NIED IV 08 01 46 10.7 40.15N 142.45E 34 3.8W **¶610630708**
JMA IV 08 01 46 10.7–.13 40.2N–.30 142.5E–.70 34–1 4.0,3.6
IDC IV 08 01 46 15.7–2.5 40.08N 142.34E 89–19 3.8,3.5b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}2.38 $M_{\theta\theta}$2.05 $M_{\phi\phi}$-4.43 $M_{r\theta}$2.49 $M_{\theta\phi}$-1.63 $M_{\phi r}$4.00 NP1:ϕ_s36.00000°,δ74.00000°,λ113.00000°. NP2:ϕ_s158.00000° ,δ27.00000°,λ36.00000°. $M_0$6.09000×10^{14}
JMA Event type ke. NE OFF IWATE PREF .
IDC Error ellipse: s-maj=37.2km s-min=16.2km az=104.0.
ISC IV 08 10 25 49.1–.78 36.55N–.05 141.57E–.07 26 3.4b 19 1-78
IDC IV 08 10 25 45.8–1.2 36.61N 141.71E 0 3.6,3.4b **¶614791012**
JMA IV 08 10 25 50.0–.24 36.6N–.60 142E–2.0 49–4 3.4,3.4b
ISC Event type ke.
JMA Event type ke. E OFF IBARAKI PREF .
JMA IV 08 14 17 07.5–.17 37.2N–.30 141.4E–.70 15–2 1.3
¶614791126
JMA Event type ke. E OFF FUKUSHIMA PREF .
ISC IV 08 18 55 35.8–1.1 36.77N–.06 141.82E–.09 50 3.5b 28 1-147
JMA IV 08 18 55 34.3–.29 36.8N–.70 142E–2.0 57–4 3.5 **¶610652250**
IDC IV 08 18 55 35.4–3.6 36.81N 141.95E 45–30 3.6,3.3b
ISC Event type ke.
JMA Event type ke. E OFF FUKUSHIMA PREF .
IDC Error ellipse: s-maj=31.5km s-min=25.0km az=138.0.
ISC IV 08 22 20 14.1–.30 37.51N–.03 141.54E–.03 52–2 5.1b,4.3s 1313 1-165
IDC IV 08 22 20 07.1–.41 37.50N 141.50E 0 5.0,5.0b **¶610523731**
BJI IV 08 22 20 10.0–.00 37.48N 141.66E 41 5.2b,4.7b
MOS IV 08 22 20 11.9–.85 37.51N 141.60E 50 5.4b,4.1s
NIED IV 08 22 20 13.3 37.51N 141.57E 45 4.9W,4.1s
NEIC IV 08 22 20 14.0–1.3 37.56N–.05 141.56E–.07 43–5 5.2b,4.8
JMA IV 08 22 20 13.3–.11 37.5N–.30 141.6E–.70 45–1 5.0,4.9W
NEIC IV 08 22 20 14.2 37.54N 141.50E 43 5.0,4.9W
GCMT IV 08 22 20 15.0–.20 37.55N–.01 141.66E–.02 46–1 5.0W,4.9W

BGR IV 08 22 20 18.1 38.20N 142.06E 50–0 5.2b,4.4s
ISC Event type ke. Moment Tensor Solution. NP1:ϕ_s39.66672°,δ71.46724°,λ124.90035°. NP2: ϕ_s154.16153°,δ38.95707°,λ30.36664°. Principal axes: T Plg50.7697°,Azm349.4362° ; N Plg32.8526°,Azm207.1645°; P Plg18.9720°,Azm104.3380°
IDC Error ellipse: s-maj=12.2km s-min=9.9km az=108.0.
MOS Error ellipse: s-maj=6.4km s-min=4.6km az=108.7.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}1.78 $M_{\theta\theta}$-0.31 $M_{\phi\phi}$-1.47 $M_{r\theta}$1.00 $M_{\theta\phi}$-0.41 $M_{\phi r}$2.15 NP1:ϕ_s23.00000°,δ72.00000°,λ93.00000°. NP2:ϕ_s193.00000° ,δ18.00000°,λ80.00000°. $M_0$2.91000×10^{16}
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=7.6km az=93.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.84 $M_{\theta\theta}$-0.02 $M_{\phi\phi}$-0.81 $M_{r\theta}$0.78 $M_{\theta\phi}$-0.17 $M_{\phi r}$1.90 NP1:ϕ_s182.35000°,δ11.64000°,λ71.24000°. NP2:ϕ_s21.47000°,δ78.98000° ,λ93.79000°. Principal axes: T 2.2245,Plg56.0000°,Azm296.0000°; N -0.0123,Plg4.0000° ,Azm201.0000°; P -2.2122,Plg34.0000°,Azm108.0000° $M_0$2.22000×10^{16}
JMA Event type fe. E OFF FUKUSHIMA PREF .
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s55,c70; s104,c165;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.78±.16 $M_{\theta\theta}$-0.66±.11; $M_{\phi\phi}$-3.12±.10; $M_{r\theta}$1.10±.08; $M_{\theta\phi}$-0.93±.07; $M_{\phi r}$2.19±.09; Best double couple: NP1:ϕ_s23.00000°,δ62.00000°,λ94.00000°. NP2:ϕ_s195.00000°,δ28.00000°,λ83.00000°. Principal axes: T 4.5420,Plg73.0000° ,Azm302.0000°; N -0.3710,Plg3.0000°,Azm201.0000°; P -4.1760,Plg17.0000° ,Azm110.0000° $M_0$4.35900×10^{16}
BGR Event type ke.
ISC IV 09 17 08 47.0–2.7 35.79N–.09 141.5E–.10 26–15 3.5b 19 0-56
IDC IV 09 17 08 42.6–2.5 35.81N 141.64E 0 3.6,3.5b **¶610652315**
JMA IV 09 17 08 49.6–.22 35.8N–.70 141E–1.0 37–1 2.8,3.5b
ISC Event type ke.
JMA Event type ke. NEAR CHOSHI CITY .
ISC IV 09 18 10 39.1–.46 38.28N–.04 141.96E–.04 58–3 4.4b,3.2s 180 0-146
MOS IV 09 18 10 38.5–.85 38.39N 142.00E 58 4.5b,3.2s **¶610523841**
NEIC IV 09 18 10 39.4–1.7 38.30N–.03 141.86E–.06 55–7 4.5b,3.2s
JMA IV 09 18 10 40.6–.09 38.3N–.20 141.8E–.50 58–0 4.7,4.4
NIED IV 09 18 10 40.6 38.32N 141.79E 58 4.3W,4.4
IDC IV 09 18 10 40.7–.66 38.32N 141.80E 62–6 4.1,3.7b
ISC Event type ke.
MOS Error ellipse: s-maj=8.7km s-min=5.8km az=88.6.
NEIC Event type se. Error ellipse: s-maj=7.1km s-min=3.8km az=62.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. E OFF MIYAGI PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.82 $M_{\theta\theta}$1.91 $M_{\phi\phi}$-2.73 $M_{r\theta}$-1.06 $M_{\theta\phi}$-1.30 $M_{\phi r}$0.31 NP1:ϕ_s333.00000°,δ71.00000°,λ21.00000°. NP2:ϕ_s236.00000° ,δ70.00000°,λ159.00000°. $M_0$2.96000×10^{15}
IDC Error ellipse: s-maj=14.9km s-min=10.3km az=135.0.
ISC IV 09 21 05 27.6–.82 38.31N–.05 141.97E–.07 63–7 3.9b 43 0-89
JMA IV 09 21 05 27.8–.09 38.3N–.30 141.9E–.50 62–0 4.1,3.7 **¶610652324**
IDC IV 09 21 05 28.3–2.3 38.27N 141.98E 72–21 3.8,3.5b
ISC Event type ke.
JMA Event type fe. E OFF MIYAGI PREF .
IDC Error ellipse: s-maj=23.9km s-min=15.4km az=89.0.
ISC IV 10 01 32 35.2–2.2 37.49N–.07 141.69E–.10 27–12 3.7b 27 1-74
JMA IV 10 01 32 37.5–.11 37.5N–.30 141.6E–.70 45–1 3.8 **¶610652329**
IDC IV 10 01 32 38.3–1.5 38.34N 140.73E 0 3.7b,3.6
ISC Event type ke.
JMA Event type fe. E OFF FUKUSHIMA PREF .
IDC Error ellipse: s-maj=37.3km s-min=23.3km az=113.0.
ISC IV 10 12 37 31.9–1.1 35.76N–.04 140.94E–.07 9–7 3.6b 23 0-59
IDC IV 10 12 37 31.2–1.2 35.60N 140.81E 0 3.7,3.6b **¶610619260**
NIED IV 10 12 37 32.5 35.75N 140.89E 11 3.7W,3.6b
JMA IV 10 12 37 32.5–.18 35.8N–.40 140.9E–.80 11–1 3.9,3.6b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-2.85 $M_{\theta\theta}$0.34 $M_{\phi\phi}$2.50 $M_{r\theta}$-1.08 $M_{\theta\phi}$2.02 $M_{\phi r}$0.09 NP1:ϕ_s51.00000°,δ53.00000°,λ-62.00000°. NP2:ϕ_s190.00000° ,δ45.00000°,λ-122.00000°. $M_0$3.51000×10^{14}
JMA Event type fe. NEAR CHOSHI CITY .
ISC IV 11 18 10 48.0–.33 36.13N–.03 140.20E–.04 58–2 4.8b,4.8s 570 0-152
MOS IV 11 18 10 46.1–1.1 36.17N 140.16E 53 5.0b,4.8s **¶611832283**
IDC IV 11 18 10 48.3–.61 36.12N 140.13E 56–4 4.5,4.2b
NIED IV 11 18 10 49.2 36.16N 140.10E 54 4.5W,4.2b
NEIC IV 11 18 10 49.2–2.4 36.16N–.04 140.19E–.05 63–6 4.8b,4.2b
JMA IV 11 18 10 49.2–.09 36.2N–.30 140.1E–.40 54–0 4.6,4.5W
ISC Event type ke. Moment Tensor Solution. NP1:ϕ_s241.94595°,δ14.65579°,λ-130.42793°. NP2: ϕ_s103.31175°,δ78.89556°,λ-80.37458°. Principal axes: T Plg33.2239°,Azm185.1866° ; N Plg9.4435°,Azm281.4409°; P Plg55.1136°,Azm25.2418°
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}2.38 $M_{\theta\theta}$-2.20 $M_{\phi\phi}$-0.18 $M_{r\theta}$-5.74 $M_{\theta\phi}$1.09 $M_{\phi r}$0.04 NP1:ϕ_s273.00000°,δ79.00000°,λ81.00000°. NP2:ϕ_s133.00000° ,δ14.00000°,λ130.00000°. $M_0$6.28000×10^{15}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. SW IBARAKI PREF .
JMA IV 12 02 33 20.9–.04 36.8N–.10 140.5E–.40 4–1 0.9
¶614793782
JMA Event type ke. NORTHERN IBARAKI PREF .
ISC IV 14 03 05 11.9–2.1 36.89N–.05 141.32E–.07 13–11 3.4b 26 0-147
IDC IV 14 03 05 10.1–1.2 36.85N 141.40E 0 3.5b,3.4 **¶610619264**
NIED IV 14 03 05 12.4 36.91N 141.33E 30 3.4W,3.4
JMA IV 14 03 05 12.4–.12 36.9N–.30 141.3E–.60 30–0 3.8,3.4
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-1.59 $M_{\theta\theta}$0.17 $M_{\phi\phi}$1.42 $M_{r\theta}$0.00 $M_{\theta\phi}$0.73 $M_{\phi r}$-0.01 NP1:ϕ_s24.00000°,δ45.00000°,λ-90.00000°. NP2:ϕ_s205.00000° ,δ45.00000°,λ-90.00000°. $M_0$1.68000×10^{14}
JMA Event type fe. E OFF FUKUSHIMA PREF .
ISC IV 14 05 12 21.7–2.1 37.63N–.06 141.41E–.09 81–11 31 0-5
JMA IV 14 05 12 21.5–.08 37.7N–.20 141.4E–.50 84–0 3.5 **¶614795235**
ISC Event type ke.
JMA Event type fe. E OFF FUKUSHIMA PREF .
JMA IV 14 15 36 14.4–.06 36.7N–.10 140.6E–.30 6–0 0.5
¶612489466
JMA Event type ke. NORTHERN IBARAKI PREF .
ISC IV 14 15 46 11.9–.67 35.58N–.04 140.09E–.05 72–6 4.3b 117 0-148
NEIC IV 14 15 46 11.7–1.9 35.58N–.05 140.17E–.09 66–7 4.4b **¶614795807**
NIED IV 14 15 46 12.0 35.66N 140.06E 68 4.1W
JMA IV 14 15 46 12.0–.22 35.7N–.50 140.1E–.80 68–1 3.9
IDC IV 14 15 46 14.7–1.8 35.54N 139.96E 92–14 4.0,3.7b
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=7.5km az=101.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}1.17 $M_{\theta\theta}$0.17 $M_{\phi\phi}$-1.34 $M_{r\theta}$0.73 $M_{\theta\phi}$-0.29 $M_{\phi r}$0.92 NP1:ϕ_s29.00000°,δ67.00000°,λ107.00000°. NP2:ϕ_s170.00000° ,δ28.00000°,λ55.00000°. $M_0$1.75000×10^{15}
JMA Event type fe. CENTRAL CHIBA PREF .
IDC Error ellipse: s-maj=16.2km s-min=13.7km az=106.0.
ISC IV 14 17 27 38.5–.93 35.73N–.05 140.25E–.05 64–8 3.3b 33 0-59
IDC IV 14 17 27 35.7–2.5 35.73N 140.72E 51–27 3.6,3.0b **¶610652744**
JMA IV 14 17 27 38.5–.23 35.7N–.60 140.2E–.80 66–1 2.8,3.0b
ISC Event type ke.
JMA Event type ke. NORTHERN CHIBA PREF .
ISC IV 14 19 06 38.1–.81 34.96N–.05 140.59E–.05 83–6 3.6b 51 0-77
IDC IV 14 19 06 34.7–2.0 34.81N 140.74E 52–19 3.8,3.4b **¶610652749**
JMA IV 14 19 06 37.0–.22 35.0N–.70 141E–1.0 92–1 3.3,3.4b
ISC Event type ke.
JMA Event type ke. SE OFF BOSO PENINSULA .
ISC IV 14 22 29 48.5–.90 36.93N–.05 140.97E–.06 101–7 41 0-57
NIED IV 14 22 29 50.6 37.05N 140.81E 98 3.5W **¶610619266**
JMA IV 14 22 29 50.6–.12 37.1N–.40 140.8E–.60 98–0 3.7
IDC IV 14 22 29 51.1–4.3 36.59N 140.69E 83–35 3.8,3.1b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-1.89 $M_{\theta\theta}$0.92 $M_{\phi\phi}$0.97 $M_{r\theta}$-0.10 $M_{\theta\phi}$-1.73 $M_{\phi r}$0.18 NP1:ϕ_s138.00000°,δ48.00000°,λ-86.00000°. NP2:ϕ_s313.00000° ,δ43.00000°,λ-94.00000°. $M_0$2.29000×10^{14}
JMA Event type fe. EASTERN FUKUSHIMA PREF .
IDC Error ellipse: s-maj=45.6km s-min=17.7km az=49.0.
ISC IV 17 02 59 44.0–1.9 37.21N–.05 141.52E–.07 9–10 3.5b 26 1-64
IDC IV 17 02 59 42.6–1.4 37.13N 141.60E 0 3.4,3.4b **¶610652906**
JMA IV 17 02 59 45.4–.18 37.2N–.30 141.4E–.90 28–1 3.4,3.4b
ISC Event type ke.
JMA Event type ke. E OFF FUKUSHIMA PREF .
ISC IV 17 10 20 00.8–.89 37.63N–.05 141.73E–.07 79–7 3.5b 51 1-90
IDC IV 17 10 20 02.5–2.4 37.69N 141.57E 91–20 3.6,3.3b **¶610652922**
JMA IV 17 10 20 02.3–.11 37.7N–.30 141.6E–.60 79–1 3.7,3.3b
ISC Event type ke.
JMA Event type ke. E OFF FUKUSHIMA PREF .
ISC IV 17 17 39 00.8–.44 34.58N–.03 140.38E–.04 73–3 4.6b 235 0-92
MOS IV 17 17 38 57.7–1.2 34.56N 140.50E 64 4.8b **¶610529477**
NEIC IV 17 17 39 01.5–1.3 34.58N–.06 140.41E–.10 77–7 4.7b
NIED IV 17 17 39 02.1 34.58N 140.21E 79 4.2W
IDC IV 17 17 39 02.0–1.7 34.49N 140.13E 78–14 4.2,3.9b
JMA IV 17 17 39 02.1–.27 34.6N–.70 140.2E–.90 79–2 4.4,4.3
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.50 $M_{\theta\theta}$1.20 $M_{\phi\phi}$-1.70 $M_{r\theta}$-0.66 $M_{\theta\phi}$-1.08 $M_{\phi r}$-0.81 NP1:ϕ_s241.00000°,δ88.00000°,λ151.00000°. NP2:ϕ_s332.00000° ,δ61.00000°,λ2.00000°. $M_0$2.05000×10^{15}
JMA Event type fe. SE OFF BOSO PENINSULA .
ISC IV 17 19 40 30.6–1.2 35.62N–.05 140.18E–.07 68–9 17 0-59
IDC IV 17 19 40 25.5–2.1 35.19N 139.93E 0 3.1,3.1b **¶610652945**
JMA IV 17 19 40 29.9–.24 35.7N–.60 140.2E–.90 67–2 2.6,3.1b
ISC Event type ke.
JMA Event type ke. CENTRAL CHIBA PREF .
ISC IV 19 17 13 41.9–.67 36.73N–.03 140.65E–.04 11–4 4.5b,3.5s 153 0-133
IDC IV 19 17 13 40.2–.52 36.77N 140.54E 0 4.3,4.3b **¶610537709**
JMA IV 19 17 13 41.7–.03 36.7N–.10 140.6E–.20 6–0 4.5,4.4
NIED IV 19 17 13 41.7 36.70N 140.64E 6 4.2W,4.4
NEIC IV 19 17 13 44.2–1.1 36.78N–.05 140.64E–.08 24–5 4.6b,4.4
ISC Event type ke.
JMA Event type fe. NORTHERN IBARAKI PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-1.84 $M_{\theta\theta}$0.15 $M_{\phi\phi}$1.69 $M_{r\theta}$-1.06 $M_{\theta\phi}$-0.92 $M_{\phi r}$0.97 NP1:ϕ_s141.00000°,δ63.00000°,λ-104.00000°. NP2:ϕ_s350.00000° ,δ30.00000°,λ-64.00000°. $M_0$2.46000×10^{15}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 19 17 15 32.6–.37 37.30N–.03 141.92E–.03 30–2 4.9b,4.1s 1007 1-155
IDC IV 19 17 15 28.3–.40 37.27N 141.85E 0 4.6,4.6b **¶614799475**
BJI IV 19 17 15 30.9–.00 37.11N 141.87E 33 4.9b,4.6b
NIED IV 19 17 15 30.8 37.32N 141.91E 36 4.6W,4.6b
JMA IV 19 17 15 30.8–.22 37.3N–.50 142E–1.0 36–3 5.0,4.8
GCMT IV 19 17 15 32.6–.50 37.35N–.03 141.94E–.04 27–1 4.9W,4.8
MOS IV 19 17 15 33.2–.91 37.41N 141.78E 41 5.1b,4.0s
NEIC IV 19 17 15 34.6–1.3 37.31N–.06 141.80E–.09 38–6 5.0b,4.0s
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-7.05 $M_{\theta\theta}$4.14 $M_{\phi\phi}$2.91 $M_{r\theta}$-1.19 $M_{\theta\phi}$4.94 $M_{\phi r}$-0.81 NP1:ϕ_s50.00000°,δ50.00000°,λ-88.00000°. NP2:ϕ_s227.00000° ,δ40.00000°,λ-93.00000°. $M_0$7.91000×10^{15}
JMA Event type fe. E OFF FUKUSHIMA PREF .
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s18,c21; s72,c84;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.96±.25 $M_{\theta\theta}$1.40±.14; $M_{\phi\phi}$1.56±.16; $M_{r\theta}$-0.35±.24; $M_{\theta\phi}$0.99±.06; $M_{\phi r}$0.42±.27; Best double couple: NP1:ϕ_s214.00000°,δ46.00000°,λ-102.00000°. NP2:ϕ_s51.00000°,δ45.00000°,λ-77.00000°. Principal axes: T 2.4760,Plg1.0000° ,Azm312.0000°; N 0.5700,Plg9.0000°,Azm222.0000°; P -3.0460,Plg81.0000°,Azm47.0000° $M_0$2.76100×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA IV 19 19 45 40.7–.04 36.7N–.10 140.6E–.20 7–0 1.1
¶616499236
JMA Event type ke. NORTHERN IBARAKI PREF .
ISC IV 19 19 46 07.4–.76 36.69N–.02 140.60E–.03 12–4 4.4b,3.4s 257 0-148
IDC IV 19 19 46 05.6–.50 36.73N 140.51E 0 4.2,4.2b **¶616499239**
MOS IV 19 19 46 07.3–.90 36.86N 140.44E 16 4.6b,4.2b
JMA IV 19 19 46 07.6–.03 36.70N–.07 140.6E–.10 9–0 4.2,4.2
NIED IV 19 19 46 07.6 36.70N 140.59E 9 4.0W,4.2
NEIC IV 19 19 46 08.5–2.6 36.74N–.04 140.68E–.07 10–1 4.4b,4.2
ISC Event type ke.
JMA Event type fe. NORTHERN IBARAKI PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-1.09 $M_{\theta\theta}$-0.07 $M_{\phi\phi}$1.16 $M_{r\theta}$0.07 $M_{\theta\phi}$0.20 $M_{\phi r}$0.29 NP1:ϕ_s190.00000°,δ52.00000°,λ-88.00000°. NP2:ϕ_s8.00000° ,δ38.00000°,λ-92.00000°. $M_0$1.18000×10^{15}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 20 15 25 37.6–1.6 37.39N–.05 141.86E–.07 29–12 3.7b 29 1-61
IDC IV 20 15 25 31.4–2.3 37.59N 142.23E 0 3.7,3.7b **¶614800292**
JMA IV 20 15 25 39.3–.13 37.4N–.30 141.8E–.80 45–2 3.9,3.7b
ISC Event type ke.
JMA Event type fe. E OFF FUKUSHIMA PREF .
ISC IV 21 01 45 43.6–2.3 37.15N–.05 141.51E–.08 2–14 3.5b 25 1-147
IDC IV 21 01 45 43.0–1.1 37.02N 141.58E 0 3.6,3.5b **¶610619277**
NIED IV 21 01 45 44.3 37.16N 141.49E 28 3.6W,3.5b
JMA IV 21 01 45 44.3–.20 37.2N–.40 141.5E–1.0 28–1 3.7,3.5b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-2.07 $M_{\theta\theta}$0.75 $M_{\phi\phi}$1.32 $M_{r\theta}$-0.25 $M_{\theta\phi}$1.44 $M_{\phi r}$1.53 NP1:ϕ_s195.00000°,δ62.00000°,λ-117.00000°. NP2:ϕ_s63.00000° ,δ38.00000°,λ-49.00000°. $M_0$2.79000×10^{14}
JMA Event type fe. E OFF FUKUSHIMA PREF .
JMA IV 21 13 20 24.5–.26 38.4N–.50 142E–1.0 24–4 1.1
¶614801085
JMA Event type ke. E OFF MIYAGI PREF .
ISC IV 21 19 42 37.5–1.3 40.54N–.04 142.43E–.06 29–9 3.9b 38 1-87
NIED IV 21 19 42 37.6 40.53N 142.46E 29 3.8W **¶610619280**
JMA IV 21 19 42 37.6–.16 40.5N–.40 142.5E–.80 29–1 4.0,4.0
IDC IV 21 19 42 41.0–1.9 40.54N 142.46E 61–17 3.8,3.5b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-5.58 $M_{\theta\theta}$1.74 $M_{\phi\phi}$3.84 $M_{r\theta}$-0.72 $M_{\theta\phi}$1.93 $M_{\phi r}$-0.62 NP1:ϕ_s34.00000°,δ50.00000°,λ-87.00000°. NP2:ϕ_s208.00000° ,δ40.00000°,λ-94.00000°. $M_0$5.37000×10^{14}
JMA Event type fe. E OFF AOMORI PREF .
IDC Error ellipse: s-maj=21.2km s-min=11.4km az=105.0.
ISC IV 21 21 32 23.8–1.3 38.51N–.05 141.80E–.10 53–8 27 0-59
IDC IV 21 21 32 21.3–5.9 38.71N 142.28E 47–48 3.5,3.3b **¶614801495**
JMA IV 21 21 32 24.6–.09 38.5N–.20 141.7E–.50 53–0 3.7,3.3b
ISC Event type ke.
JMA Event type fe. KINKAZAN REGION .
ISC IV 22 21 49 54.5–2.3 38.96N–.05 142.4E–.10 25–16 3.7b 29 1-63
NIED IV 22 21 49 53.5 38.95N 142.46E 26 3.6W **¶614802329**
JMA IV 22 21 49 53.5–.17 39.0N–.40 142.5E–.80 26–1 3.8
IDC IV 22 21 49 57.7–3.3 38.89N 142.40E 54–31 3.6,3.4b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-2.57 $M_{\theta\theta}$-0.05 $M_{\phi\phi}$2.62 $M_{r\theta}$0.35 $M_{\theta\phi}$-1.31 $M_{\phi r}$-0.02 NP1:ϕ_s329.00000°,δ47.00000°,λ-102.00000°. NP2:ϕ_s167.00000° ,δ44.00000°,λ-77.00000°. $M_0$2.89000×10^{14}
JMA Event type fe. E OFF MIYAGI PREF .
IDC Error ellipse: s-maj=32.6km s-min=20.1km az=100.0.
ISC IV 23 10 09 15.7–.94 37.13N–.04 141.32E–.05 23–6 4.4b,2.9s 183 0-147
IDC IV 23 10 09 12.1–.57 37.10N 141.33E 0 4.0,4.0b **¶610547558**
MOS IV 23 10 09 12.6–.96 37.15N 141.38E 15 4.5b,4.0b
NIED IV 23 10 09 14.3 37.10N 141.38E 32 4.0W,4.0b
JMA IV 23 10 09 14.3–.14 37.1N–.30 141.4E–.70 32–0 4.4,4.3
NEIC IV 23 10 09 18.2–1.9 37.20N–.05 141.21E–.09 39–7 4.4b,4.3

ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-1.20 $M_{\theta\theta}$0.00 $M_{\phi\phi}$1.19 $M_{r\theta}$0.00 $M_{\theta\phi}$0.37 $M_{\phi r}$0.00 NP1:ϕ_s196.00000°,δ45.00000°,λ-90.00000°. NP2:ϕ_s16.00000°,δ45.00000°,λ-90.00000°. $M_0$1.25000×10^{15}
JMA Event type fe. E OFF FUKUSHIMA PREF .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 23 19 19 13.9–.70 37.14N–.05 141.38E–.09 21–5 3.7b 45 0-147
IDC IV 23 19 19 10.8–.71 37.16N 141.42E 0 3.7,3.7b **¶610619285**
NIED IV 23 19 19 12.8 37.16N 141.47E 30 3.7W,3.7b
JMA IV 23 19 19 12.8–.18 37.2N–.40 141.5E–.90 30–1 3.9,3.7b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-3.04 $M_{\theta\theta}$0.81 $M_{\phi\phi}$2.24 $M_{r\theta}$0.82 $M_{\theta\phi}$2.05 $M_{\phi r}$2.17 NP1:ϕ_s206.00000°,δ63.00000°,λ-100.00000°. NP2:ϕ_s47.00000°,δ29.00000°,λ-71.00000°. $M_0$4.10000×10^{14}
JMA Event type fe. E OFF FUKUSHIMA PREF .
ISC IV 25 18 01 33.7–.88 38.86N–.05 142.16E–.08 51 3.7b 32 0-67
JMA IV 25 18 01 34.3–.10 38.9N–.30 142.0E–.60 49–0 3.6 **¶610619286**
NIED IV 25 18 01 34.3 38.89N 141.97E 49 3.7W
IDC IV 25 18 01 35.4–2.5 38.88N 142.18E 68–22 3.6,3.4b
ISC Event type ke.
JMA Event type fe. KINKAZAN REGION .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}1.93 $M_{\theta\theta}$-0.19 $M_{\phi\phi}$-1.74 $M_{r\theta}$1.40 $M_{\theta\phi}$-0.25 $M_{\phi r}$2.70 NP1:ϕ_s24.00000°,δ75.00000°,λ97.00000°. NP2:ϕ_s179.00000°,δ17.00000°,λ65.00000°. $M_0$3.56000×10^{14}
IDC Error ellipse: s-maj=24.6km s-min=15.3km az=102.0.
ISC IV 25 18 12 38.4–1.2 38.85N–.05 142.07E–.09 55–8 3.8b 30 0-59
JMA IV 25 18 12 38.7–.10 38.9N–.30 142.0E–.60 49–0 3.5 **¶610619287**
NIED IV 25 18 12 38.7 38.89N 141.97E 49 3.4W
IDC IV 25 18 12 40.2–3.0 38.91N 142.15E 73–23 3.8,3.5b
ISC Event type ke.
JMA Event type fe. KINKAZAN REGION .
NIED Moment tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}0.64 $M_{\theta\theta}$-0.17 $M_{\phi\phi}$-0.47 $M_{r\theta}$0.50 $M_{\theta\phi}$-0.39 $M_{\phi r}$1.34 NP1:ϕ_s22.00000°,δ78.00000°,λ83.00000°. NP2:ϕ_s230.00000°,δ14.00000°,λ118.00000°. $M_0$1.59000×10^{14}
IDC Error ellipse: s-maj=46.8km s-min=21.0km az=84.0.
ISC IV 26 03 27 12.8–2.1 38.42N–.05 142.30E–.08 25–14 3.7b 39 1-89
IDC IV 26 03 27 15.1–2.7 38.43N 142.39E 44–25 3.7,3.4b **¶610650030**
JMA IV 26 03 27 17.4–.11 38.4N–.30 141.9E–.60 45–0 4.0,3.5
ISC Event type ke.
JMA Event type fe. E OFF MIYAGI PREF .
ISC IV 27 16 39 04.0–.99 40.89N–.03 142.07E–.05 55–9 3.8b 38 1-66
JMA IV 27 16 39 03.5–.12 40.9N–.30 142.1E–.90 51–2 3.7 **¶610650150**
IDC IV 27 16 39 04.2–2.2 40.87N 142.26E 68–19 3.7,3.6b
ISC Event type ke.
JMA Event type fe. E OFF AOMORI PREF .
IDC Error ellipse: s-maj=30.4km s-min=14.5km az=99.0.
JMA IV 28 07 30 03.8–.09 38.4N–.20 142.0E–.50 58–0 3.6
NIED IV 28 07 30 03.8 38.42N 141.98E 58 3.6W **¶614806587**
JMA Event type fe. E OFF MIYAGI PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}2.01 $M_{\theta\theta}$-0.65 $M_{\phi\phi}$-1.36 $M_{r\theta}$1.15 $M_{\theta\phi}$-1.51 $M_{\phi r}$-0.59 NP1:ϕ_s65.00000°,δ55.00000°,λ127.00000°. NP2:ϕ_s192.00000°,δ49.00000°,λ49.00000°. $M_0$2.67000×10^{14}
ISC IV 28 08 11 01.5–1.8 36.54N–.05 141.12E–.08 24–15 26 0-6
JMA IV 28 08 11 02.4–.12 36.5N–.30 141.0E–.70 54–1 3.5 **¶612489595**
ISC Event type ke.
JMA Event type fe. E OFF IBARAKI PREF .
ISC IV 28 17 02 56.8–3.6 39.33N–.07 142.93E–.08 12–23 3.5b 23 1-60
IDC IV 28 17 02 54.7–1.6 39.41N 143.30E 0 3.5b,3.4 **¶610650235**
JMA IV 28 17 02 56.5–.19 39.3N–.40 143.0E–.70 14–1 3.7,3.4
ISC Event type ke.
JMA Event type ke. FAR E OFF SANRIKU .
JMA IV 28 21 01 50.8–.19 39.3N–.50 142.4E–.90 32–1 1.1
¶614807046
JMA Event type ke. E OFF IWATE PREF .
ISC IV 29 05 55 24.5–.80 35.20N–.04 140.28E–.07 25–5 3.8b,2.7s 31 0-80
IDC IV 29 05 55 21.0–.64 35.19N 140.25E 0 3.8,3.8b **¶616499881**
JMA IV 29 05 55 26.0–.15 35.3N–.40 140.3E–.60 13–1 3.7,3.8b
NIED IV 29 05 55 26.0 35.25N 140.29E 13 3.8W,3.8b
ISC Event type ke.
IDC Error ellipse: s-maj=20.8km s-min=13.2km az=85.0.
JMA Event type fe. KUJUKURI COAST BOSO PEN .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}3.14 $M_{\theta\theta}$-2.65 $M_{\phi\phi}$-0.49 $M_{r\theta}$4.26 $M_{\theta\phi}$-2.52 $M_{\phi r}$1.74 NP1:ϕ_s67.00000°,δ71.00000°,λ99.00000°. NP2:ϕ_s221.00000°,δ21.00000°,λ66.00000°. $M_0$5.94000×10^{14}
ISC IV 29 10 47 03.9–2.3 38.07N–.06 142.58E–.09 12–12 27 1-62
IDC IV 29 10 47 02.1–1.7 38.07N 142.81E 0 3.9s,3.5 **¶610650300**
JMA IV 29 10 47 07.0–.20 38.1N–.50 142.4E–.90 35–2 3.6,3.5
ISC Event type ke.
JMA Event type ke. E OFF MIYAGI PREF .
JMA IV 29 12 32 30.6–.16 39.1N–.40 142.4E–.80 33–2 0.9
¶614807524
JMA Event type ke. E OFF IWATE PREF .
ISC IV 29 21 19 15.9–.81 36.38N–.05 141.84E–.06 19 3.5b 29 1-75
IDC IV 29 21 19 12.5–1.0 36.40N 142.13E 0 3.6,3.5b **¶614808139**
JMA IV 29 21 19 17.9–.28 36.4N–.50 142E–2.0 65–4 3.2,3.5b
ISC Event type ke.
JMA Event type ke. FAR E OFF IBARAKI PREF .
JMA IV 30 02 01 27.0–.10 36.8N–1.0 140E–1.0 49 1.2
¶614808401
JMA Event type ke. NORTHERN TOCHIGI PREF .
ISC IV 30 06 28 11.2–1.7 37.37N–.05 141.82E–.08 32–12 3.4b 26 1-57
IDC IV 30 06 28 04.5–2.3 37.56N 142.40E 0 3.5,3.4b **¶610650386**
JMA IV 30 06 28 12.7–.13 37.4N–.30 141.8E–.80 46–2 3.5,3.4b
ISC Event type ke.
JMA Event type ke. E OFF FUKUSHIMA PREF .
ISC IV 30 10 30 32.2–.50 35.63N–.04 140.25E–.04 59–4 4.3b,3.6s 188 0-148
BJI IV 30 10 30 27.1–.00 35.65N 140.75E 63 4.6b,4.6b **¶610589482**
MOS IV 30 10 30 30.5–1.1 35.61N 140.30E 58 4.6b,4.6b
NIED IV 30 10 30 32.7 35.66N 140.17E 65 4.1W,4.6b
JMA IV 30 10 30 32.7–.23 35.7N–.60 140.2E–.80 65–1 3.7,4.6b
NEIC IV 30 10 30 33.1–1.5 35.63N–.06 140.24E–.09 61–8 4.5b,4.6b
IDC IV 30 10 30 33.7–1.0 35.50N 140.11E 74–9 4.0,3.7b
ISC Event type ke.
MOS Error ellipse: s-maj=10.7km s-min=5.7km az=106.4.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.00 $M_{\theta\theta}$0.48 $M_{\phi\phi}$-0.48 $M_{r\theta}$-0.01 $M_{\theta\phi}$-0.38 $M_{\phi r}$1.81 NP1:ϕ_s356.00000°,δ87.00000°,λ76.00000°. NP2:ϕ_s253.00000°,δ14.00000°,λ167.00000°. $M_0$1.87000×10^{15}
JMA Event type fe. CENTRAL CHIBA PREF .
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=8.0km az=104.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=13.2km s-min=6.7km az=70.0.
ISC IV 30 10 37 03.7–.97 35.55N–.04 140.25E–.05 69–7 3.5b 41 0-59
IDC IV 30 10 37 02.2–1.2 34.77N 138.15E 0 3.8L,3.7 **¶614808712**
JMA IV 30 10 37 03.8–.21 35.7N–.50 140.2E–.80 66–1 2.9,3.7
ISC Event type ke.
JMA Event type ke. CENTRAL CHIBA PREF .
ISC IV 30 13 13 43.6–1.6 37.29N–.04 141.33E–.06 15–10 3.1b 26 0-61
IDC IV 30 13 13 41.4–1.7 37.31N 141.44E 0 3.4,3.2b **¶610650414**
JMA IV 30 13 13 43.6–.17 37.3N–.30 141.4E–.80 25–1 3.6,3.2b
ISC Event type ke.
JMA Event type ke. E OFF FUKUSHIMA PREF .
ISC V 01 02 51 28.3–.67 36.57N–.04 140.16E–.05 115–5 4.1b 101 0-117
IDC V 01 02 51 28.4–1.2 36.54N 140.20E 115–12 3.9s,3.7 **¶610669446**
NIED V 01 02 51 29.1 36.56N 140.09E 113 3.8W,3.7
NEIC V 01 02 51 29.4–1.9 36.57N–.06 140.16E–.09 116–7 4.2b,3.7
JMA V 01 02 51 29.1–.12 36.6N–.40 140.1E–.60 113–0 3.7,3.7
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-5.45 $M_{\theta\theta}$4.32 $M_{\phi\phi}$1.14 $M_{r\theta}$-0.57 $M_{\theta\phi}$2.53 $M_{\phi r}$-0.15 NP1:ϕ_s63.00000°,δ48.00000°,λ-88.00000°. NP2:ϕ_s239.00000°,δ42.00000°,λ-92.00000°. $M_0$5.61000×10^{14}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. SOUTHERN TOCHIGI PREF .
ISC V 01 10 25 56.6–1.8 37.37N–.04 141.61E–.06 14–10 3.6b,3.3s 30 1-74
IDC V 01 10 25 53.8–1.3 37.34N 141.94E 0 3.6,3.6b **¶610669447**
JMA V 01 10 25 56.3–.17 37.4N–.40 141.7E–.80 29–1 3.7,3.6b
NIED V 01 10 25 56.3 37.36N 141.66E 29 3.9W,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=34.7km s-min=17.9km az=84.0.
JMA Event type ke. E OFF FUKUSHIMA PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-6.71 $M_{\theta\theta}$1.26 $M_{\phi\phi}$5.45 $M_{r\theta}$3.62 $M_{\theta\phi}$4.37 $M_{\phi r}$2.91 NP1:ϕ_s224.00000°,δ61.00000°,λ-77.00000°. NP2:ϕ_s18.00000°,δ31.00000°,λ-112.00000°. $M_0$8.82000×10^{14}
JMA V 01 14 27 03.8–.16 36.6N–.30 140.6E–.60 6–0 0.2
¶614809889
JMA Event type ke. NORTHERN IBARAKI PREF .
ISC V 01 18 18 48.0–1.3 38.90N–.05 142.0E–.10 52–10 3.5b 24 0-59
JMA V 01 18 18 49.0–.11 38.9N–.30 141.9E–.60 51–0 3.4 **¶610689332**
IDC V 01 18 18 49.2–2.4 38.98N 142.03E 62–24 3.6,3.3b
ISC Event type ke.
JMA Event type fe. KINKAZAN REGION .
IDC Error ellipse: s-maj=46.6km s-min=15.9km az=99.0.
ISC V 01 22 47 34.2–1.7 37.49N–.04 141.72E–.07 12–9 3.5b 27 1-63
JMA V 01 22 47 35.8–.14 37.5N–.30 141.7E–.70 29–1 3.7 **¶610669448**
NIED V 01 22 47 35.8 37.52N 141.69E 29 3.6W
IDC V 01 22 47 36.1–1.5 38.00N 141.56E 0 3.5b,3.4
ISC Event type ke.
JMA Event type fe. E OFF FUKUSHIMA PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-1.19 $M_{\theta\theta}$0.37 $M_{\phi\phi}$0.82 $M_{r\theta}$-0.60 $M_{\theta\phi}$2.39 $M_{\phi r}$0.63 NP1:ϕ_s183.00000°,δ67.00000°,λ-153.00000°. NP2:ϕ_s82.00000°,δ65.00000°,λ-26.00000°. $M_0$2.71000×10^{14}
IDC Error ellipse: s-maj=35.4km s-min=27.3km az=126.0.
ISC V 03 06 32 45.3–1.3 35.71N–.05 140.86E–.10 48–8 3.6b 18 0-56
IDC V 03 06 32 37.6–2.2 35.74N 141.17E 0 3.8b,3.7 **¶610689448**
JMA V 03 06 32 45.0–.22 35.7N–.60 140.7E–.80 51–1 3.0,3.7
ISC Event type ke.
JMA Event type ke. NEAR CHOSHI CITY .
ISC V 05 00 19 40.5–.97 35.75N–.04 140.25E–.06 67–7 3.6b 31 0-59
IDC V 05 00 19 29.9–2.4 35.86N 140.91E 0 3.6,3.6b **¶610689575**
JMA V 05 00 19 40.2–.20 35.8N–.50 140.2E–.70 61–1 2.9,3.6b
ISC Event type ke.
JMA Event type ke. NORTHERN CHIBA PREF .
ISC V 06 00 16 25.6–1.8 37.32N–.04 141.99E–.07 10–10 3.4b 30 1-63
IDC V 06 00 16 23.1–1.4 37.44N 142.46E 0 3.5,3.4b **¶610689633**
JMA V 06 00 16 28.5–.29 37.3N–.60 142E–1.0 37–4 3.4,3.4b
ISC Event type ke.
JMA Event type ke. E OFF FUKUSHIMA PREF .
ISC V 06 14 02 57.4–.98 34.72N–.04 140.76E–.06 55–9 3.6b 29 0-58
JMA V 06 14 02 56.8–.20 34.7N–.60 140.7E–.70 60–1 3.3 **¶610689665**
IDC V 06 14 02 56.0–2.7 34.72N 141.10E 41–24 3.8,3.3b
ISC Event type ke.
JMA Event type ke. SE OFF BOSO PENINSULA .
IDC Error ellipse: s-maj=47.3km s-min=19.9km az=79.0.
ISC V 06 20 00 20.3–1.5 36.49N–.04 141.14E–.07 30–10 3.8b,2.9s 43 0-147
NIED V 06 20 00 20.6 36.48N 141.10E 44 4.0W,2.9s **¶610669481**
JMA V 06 20 00 20.6–.13 36.5N–.30 141.1E–.80 44–1 4.0,3.9
IDC V 06 20 00 23.1–3.9 36.43N 140.98E 57–36 3.7,3.5b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}1.80 $M_{\theta\theta}$-0.83 $M_{\phi\phi}$-0.97 $M_{r\theta}$7.80 $M_{\theta\phi}$-5.65 $M_{\phi r}$0.23 NP1:ϕ_s85.00000°,δ83.00000°,λ125.00000°. NP2:ϕ_s184.00000°,δ35.00000°,λ11.00000°. $M_0$9.76000×10^{14}
JMA Event type fe. E OFF IBARAKI PREF .
IDC Error ellipse: s-maj=28.0km s-min=16.6km az=99.0.
JMA V 07 08 02 20.6–.13 36.4N–.30 141.0E–.80 44–1 3.6
NIED V 07 08 02 20.6 36.43N 141.02E 44 3.6W **¶610669485**
JMA Event type fe. E OFF IBARAKI PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}1.16 $M_{\theta\theta}$-0.96 $M_{\phi\phi}$-0.21 $M_{r\theta}$0.12 $M_{\theta\phi}$-1.53 $M_{\phi r}$2.03 NP1:ϕ_s17.00000°,δ75.00000°,λ56.00000°. NP2:ϕ_s266.00000°,δ37.00000°,λ154.00000°. $M_0$2.76000×10^{14}
ISC V 07 09 14 46.0–2.1 37.15N–.05 141.59E–.07 5–13 32 1-61
IDC V 07 09 14 45.1–1.9 37.06N 141.82E 0 3.4,3.4b **¶610669486**
NIED V 07 09 14 49.3 37.19N 141.43E 29 3.6W,3.4b
JMA V 07 09 14 49.3–.18 37.2N–.30 141.4E–.90 29–1 3.7,3.4b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-2.28 $M_{\theta\theta}$0.68 $M_{\phi\phi}$1.59 $M_{r\theta}$0.97 $M_{\theta\phi}$1.08 $M_{\phi r}$0.40 NP1:ϕ_s227.00000°,δ57.00000°,λ-75.00000°. NP2:ϕ_s21.00000°,δ36.00000°,λ-111.00000°. $M_0$2.52000×10^{14}
JMA Event type ke. E OFF FUKUSHIMA PREF .
ISC V 07 10 21 00.4–1.9 38.83N–.05 142.46E–.08 31–13 3.9b 41 1-63
JMA V 07 10 21 01.5–.11 38.9N–.30 142.4E–.70 43–1 4.3,4.1 **¶610689715**
IDC V 07 10 21 02.1–2.3 38.80N 142.52E 49–22 4.0,3.7b
ISC Event type ke.
JMA Event type fe. E OFF MIYAGI PREF .
IDC Error ellipse: s-maj=28.3km s-min=15.8km az=99.0.
ISC V 08 00 36 41.9–.98 34.76N–.04 140.11E–.05 61–7 3.9b 30 0-55
JMA V 08 00 36 41.7–.21 34.7N–.60 140.1E–.70 61–2 3.1 **¶610689765**
IDC V 08 00 36 45.1–2.7 34.58N 139.64E 79–11 3.7,3.5b
ISC Event type ke.
JMA Event type ke. SE OFF BOSO PENINSULA .
IDC Error ellipse: s-maj=84.2km s-min=7.1km az=72.0.
ISC V 08 02 32 46.6–2.4 37.23N–.05 141.55E–.09 13–12 3.4b 20 1-57
IDC V 08 02 32 43.9–2.5 37.37N 141.77E 0 3.5b,3.4 **¶610689772**
JMA V 08 02 32 48.2–.17 37.2N–.30 141.5E–.90 29–1 3.4,3.4
ISC Event type ke.
JMA Event type ke. E OFF FUKUSHIMA PREF .
ISC V 08 22 08 05.0–2.0 38.70N–.05 142.32E–.08 28–13 3.4b 27 1-59
IDC V 08 22 08 02.7–2.3 38.93N 142.12E 0 3.5b,3.4 **¶610689853**
JMA V 08 22 08 06.1–.11 38.7N–.20 142.3E–.60 38–1 3.7,3.4
ISC Event type ke.
JMA Event type fe. E OFF MIYAGI PREF .
ISC V 08 22 27 57.7–1.6 37.22N–.03 141.34E–.05 11–10 4.0b,3.5s 77 0-147
NIED V 08 22 27 57.9 37.23N 141.39E 24 3.8W,3.5s **¶610618195**
JMA V 08 22 27 57.9–.19 37.2N–.30 141.4E–.90 24–1 3.9,3.5s
NEIC V 08 22 27 58.7–2.0 37.31N–.06 141.48E–.08 22–6 4.2b,3.5s
IDC V 08 22 28 01.9–3.2 37.17N 141.19E 38–28 3.9,3.7b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-6.10 $M_{\theta\theta}$1.64 $M_{\phi\phi}$4.46 $M_{r\theta}$0.36 $M_{\theta\phi}$2.79 $M_{\phi r}$2.17 NP1:ϕ_s204.00000°,δ55.00000°,λ-99.00000°. NP2:ϕ_s39.00000°,δ36.00000°,λ-78.00000°. $M_0$6.52000×10^{14}
JMA Event type ke. E OFF FUKUSHIMA PREF .
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=5.1km az=133.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=18.7km s-min=15.0km az=108.0.
ISC V 09 09 48 57.5–1.6 37.18N–.04 141.40E–.06 12–9 4.0b 57 0-81
JMA V 09 09 48 58.5–.16 37.2N–.30 141.3E–.80 24–1 3.6 **¶610689889**
NEIC V 09 09 49 01.1–2.1 37.25N–.04 141.4E–.10 35–7 4.4b
IDC V 09 09 49 04.0–2.6 37.05N 141.26E 62–25 3.8,3.5b
ISC Event type ke.
JMA Event type ke. E OFF FUKUSHIMA PREF .
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=6.0km az=85.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=20.3km s-min=14.0km az=66.0.
ISC V 09 18 10 27.1–.76 34.74N–.03 140.15E–.04 60–6 4.0b 66 0-75
JMA V 09 18 10 26.7–.21 34.7N–.60 140.1E–.70 60–2 3.3 **¶614817676**
NEIC V 09 18 10 26.3–1.9 34.76N–.05 140.3E–.10 54–6 4.2b
IDC V 09 18 10 27.7–1.9 34.69N 140.08E 64–14 3.8,3.5b
ISC Event type ke.
JMA Event type ke. SE OFF BOSO PENINSULA .

NEIC Event type se. Error ellipse: s-maj=12.3km s-min=6.8km az=84.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=32.6km s-min=6.7km az=73.0.
ISC V 10 11 41 14.8–1.7 37.39N–.05 141.76E–.07 10–10 3.7b 34 1-57
NIED V 10 11 41 17.3 37.34N 141.75E 42 3.6W **¶610667654**
JMA V 10 11 41 17.3–.19 37.3N–.50 142E–1.0 42–2 3.7
IDC V 10 11 41 18.6–2.0 37.90N 141.04E 0 3.6b,3.5
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}0.47 $M_{\theta\theta}$0.39 $M_{\phi\phi}$-0.86
$M_{r\theta}$1.91 $M_{\theta\phi}$-0.30 $M_{\phi r}$1.91 NP1:ϕ_s44.00000°,δ85.00000°,λ103.00000°. NP2:ϕ_s157.00000°
,δ14.00000°,λ23.00000°. $M_0$2.82000×10^{14}
JMA Event type ke. E OFF FUKUSHIMA PREF .
IDC Error ellipse: s-maj=46.0km s-min=24.8km az=97.0.
ISC V 10 17 56 33.8–2.3 40.61N–.06 142.3E–.10 27–13 19 1-61
JMA V 10 17 56 35.4–.16 40.6N–.40 142.2E–.90 35–1 3.7 **¶610689980**
IDC V 10 17 56 50.4–26 40.07N 141.01E 144–153 3.2,2.9b
ISC Event type ke.
JMA Event type fe. E OFF AOMORI PREF .
IDC Error ellipse: s-maj=364.0km s-min=34.2km az=61.0.
ISC V 12 12 22 55.0–1.9 37.14N–.05 141.22E–.08 14–10 24 0-5
JMA V 12 12 22 55.3–.10 37.1N–.20 141.2E–.50 22–0 3.6 **¶612489696**
ISC Event type ke.
JMA Event type fe. E OFF FUKUSHIMA PREF .
ISC V 13 18 58 14.6–2.5 37.24N–.04 141.95E–.06 13–15 40 1-57
IDC V 13 18 58 12.5–2.0 37.22N 142.14E 0 3.5,3.2b **¶610690209**
JMA V 13 18 58 17.1–.21 37.3N–.50 142E–1.0 41–3 3.7,3.2b
ISC Event type ke.
JMA Event type ke. E OFF FUKUSHIMA PREF .
ISC V 14 10 09 23.1–1.1 34.75N–.04 140.12E–.05 62–8 29 0-58
IDC V 14 10 09 18.4–2.6 34.32N 139.51E 0 3.4b,3.3 **¶610690266**
JMA V 14 10 09 22.8–.21 34.7N–.60 140.1E–.70 61–1 2.6,3.3
ISC Event type ke.
JMA Event type ke. SE OFF BOSO PENINSULA .
ISC V 15 12 10 08.0–1.9 38.12N–.06 142.0E–.10 44–15 3.3b 30 0-62
IDC V 15 12 10 00.1–2.2 38.26N 142.39E 0 3.4,3.4b **¶610690338**
JMA V 15 12 10 09.6–.08 38.2N–.20 141.8E–.40 57–0 3.5,3.4b
ISC Event type ke.
JMA Event type fe. E OFF MIYAGI PREF .
ISC V 16 15 21 16.9–1.7 37.17N–.04 141.32E–.07 9–11 25 0-61
IDC V 16 15 21 14.8–1.9 37.24N 141.46E 0 3.2,3.2b **¶610667687**
JMA V 16 15 21 18.0–.15 37.2N–.30 141.3E–.70 24–1 3.5,3.2b
NIED V 16 15 21 18.0 37.17N 141.33E 24 3.2W,3.2b
ISC Event type ke.
IDC Error ellipse: s-maj=34.2km s-min=30.0km az=91.0.
JMA Event type ke. E OFF FUKUSHIMA PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{13}Nm; M_{rr}-5.89 $M_{\theta\theta}$0.46 $M_{\phi\phi}$5.43
$M_{r\theta}$-1.54 $M_{\theta\phi}$4.11 $M_{\phi r}$0.55 NP1:ϕ_s48.00000°,δ49.00000°,λ-64.00000°. NP2:ϕ_s191.00000°
,δ47.00000°,λ-117.00000°. $M_0$7.11000×10^{13}
ISC V 16 23 48 25.4–1.7 38.78N–.05 142.13E–.07 13–9 3.6b 27 0-59
IDC V 16 23 48 24.4–2.3 39.06N 141.91E 0 3.7b,3.6 **¶610667688**
NIED V 16 23 48 25.8 38.70N 142.26E 38 3.6W,3.6
JMA V 16 23 48 25.8–.11 38.7N–.20 142.3E–.60 38–1 3.6,3.6
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}1.16 $M_{\theta\theta}$-0.67 $M_{\phi\phi}$-0.50
$M_{r\theta}$1.34 $M_{\theta\phi}$-0.91 $M_{\phi r}$2.35 NP1:ϕ_s31.00000°,δ78.00000°,λ80.00000°. NP2:ϕ_s249.00000°
,δ16.00000°,λ127.00000°. $M_0$3.02000×10^{14}
JMA Event type ke. E OFF MIYAGI PREF .
ISC V 21 22 49 10.5–.69 35.59N–.04 140.18E–.05 68–6 3.8b 59 0-118
NIED V 21 22 49 09.5 35.66N 140.19E 69 4.0W **¶614828263**
JMA V 21 22 49 09.5–.23 35.7N–.60 140.2E–.90 69–1 3.6
IDC V 21 22 49 11.2–1.8 35.58N 140.10E 72–15 3.9,3.6b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}5.91 $M_{\theta\theta}$-0.34 $M_{\phi\phi}$-5.57
$M_{r\theta}$4.50 $M_{\theta\phi}$-3.86 $M_{\phi r}$5.51 NP1:ϕ_s37.00000°,δ69.00000°,λ99.00000°. NP2:ϕ_s195.00000°
,δ23.00000°,λ69.00000°. $M_0$9.84000×10^{14}
JMA Event type fe. CENTRAL CHIBA PREF .
IDC Error ellipse: s-maj=19.1km s-min=12.4km az=70.0.
ISC V 23 09 23 15.6–.71 35.84N–.04 140.20E–.05 70–6 4.2b 104 0-148
IDC V 23 09 23 15.9–1.5 35.79N 140.26E 69–13 4.0,3.6b **¶610653300**
NEIC V 23 09 23 16.2–1.5 35.89N–.03 140.19E–.07 73–7 4.5b,3.6b
NIED V 23 09 23 16.7 35.92N 140.11E 60 4.2W,3.6b
JMA V 23 09 23 16.7–.15 35.9N–.40 140.1E–.60 60–1 3.7,3.6b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}1.71 $M_{\theta\theta}$0.22 $M_{\phi\phi}$-1.94
$M_{r\theta}$-0.19 $M_{\theta\phi}$-0.43 $M_{\phi r}$1.38 NP1:ϕ_s359.00000°,δ64.00000°,λ78.00000°. NP2:ϕ_s205.00000°
,δ29.00000°,λ113.00000°. $M_0$2.33000×10^{15}
JMA Event type fe. SOUTHERN IBARAKI PREF .
ISC V 23 10 01 26.8–1.5 37.17N–.04 141.32E–.07 12–8 25 0-61
JMA V 23 10 01 25.9–.14 37.1N–.30 141.4E–.70 29–0 3.4 **¶610685213**
IDC V 23 10 01 26.7–1.9 37.32N 141.25E 0 3.4b,3.3
ISC Event type ke.
JMA Event type ke. E OFF FUKUSHIMA PREF .
IDC Error ellipse: s-maj=38.6km s-min=31.8km az=134.0.
ISC V 24 18 03 57.0–1.8 36.89N–.06 141.35E–.08 30–10 3.6b 30 0-57
IDC V 24 18 03 58.3–3.0 36.94N 141.43E 46–24 3.6,3.4b **¶610685310**
JMA V 24 18 03 58.8–.13 36.9N–.30 141.2E–.70 47–0 3.7,3.4b
ISC Event type ke.
JMA Event type fe. E OFF FUKUSHIMA PREF .
ISC V 25 04 33 49.8–.85 35.20N–.05 140.21E–.06 30–6 3.5b 18 0-83
IDC V 25 04 33 42.9–2.6 35.36N 140.71E 0 3.6b,3.5 **¶610667733**
JMA V 25 04 33 51.1–.20 35.2N–.50 140.2E–.70 22–1 3.3,3.5
NIED V 25 04 33 51.1 35.21N 140.20E 22 3.5W,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=75.3km s-min=23.8km az=57.0.
JMA Event type fe. SOUTHERN BOSO PENINSULA .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-1.00 $M_{\theta\theta}$0.51 $M_{\phi\phi}$0.49
$M_{r\theta}$1.70 $M_{\theta\phi}$0.99 $M_{\phi r}$-0.11 NP1:ϕ_s260.00000°,δ75.00000°,λ-62.00000°. NP2:ϕ_s17.00000°
,δ31.00000°,λ-150.00000°. $M_0$2.14000×10^{14}
ISC V 25 12 27 51.6–1.9 38.61N–.06 142.23E–.09 31–11 3.7b 27 1-59
JMA V 25 12 27 52.6–.10 38.7N–.20 142.2E–.60 41–1 3.6 **¶610685367**
IDC V 25 12 27 53.9–3.5 38.69N 142.28E 56–27 3.6,3.4b
ISC Event type ke.
JMA Event type ke. E OFF MIYAGI PREF .
IDC Error ellipse: s-maj=47.1km s-min=25.3km az=89.0.
ISC V 26 12 40 46.2–.89 35.87N–.04 140.88E–.06 31 3.7b 28 0-64
JMA V 26 12 40 47.3–.18 35.9N–.40 140.8E–.80 40–1 3.2 **¶612489829**
IDC V 26 12 40 50.6–1.1 34.70N 137.99E 0 3.6,3.6b
ISC Event type ke.
JMA Event type ke. NEAR CHOSHI CITY .
IDC Error ellipse: s-maj=34.8km s-min=17.3km az=76.0.
ISC V 26 16 45 48.2–1.6 38.62N–.05 142.31E–.07 31–10 3.9b 55 1-76
NIED V 26 16 45 49.4 38.69N 142.26E 39 3.9W **¶610667737**
JMA V 26 16 45 49.4–.11 38.7N–.20 142.3E–.60 39–1 4.0,4.0
NEIC V 26 16 45 49.1–2.5 38.54N–.10 142.4E–.20 47–12 4.1b,4.0
IDC V 26 16 45 54.7–3.1 38.60N 142.12E 88–27 3.8,3.4s
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}6.59 $M_{\theta\theta}$-2.82 $M_{\phi\phi}$-3.77
$M_{r\theta}$3.78 $M_{\theta\phi}$-2.55 $M_{\phi r}$4.16 NP1:ϕ_s41.00000°,δ66.00000°,λ91.00000°. NP2:ϕ_s219.00000°
,δ24.00000°,λ87.00000°. $M_0$8.40000×10^{14}
JMA Event type fe. E OFF MIYAGI PREF .
NEIC Event type se. Error ellipse: s-maj=20.6km s-min=8.6km az=125.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=25.4km s-min=17.6km az=83.0.
ISC V 28 03 04 43.4–.71 34.54N–.04 140.33E–.05 82–6 4.3b 112 0-118
NEIC V 28 03 04 42.7–1.2 34.52N–.05 140.5E–.10 83–8 4.4b **¶610667744**
IDC V 28 03 04 43.0–1.6 34.52N 140.40E 76–12 4.3,4.0b
NIED V 28 03 04 43.9 34.52N 140.20E 72 4.0W,4.0b
JMA V 28 03 04 43.9–.27 34.5N–.70 140.2E–.80 72–2 3.9,4.0b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.01 $M_{\theta\theta}$0.56 $M_{\phi\phi}$-0.56
$M_{r\theta}$-0.37 $M_{\theta\phi}$-0.68 $M_{\phi r}$-0.69 NP1:ϕ_s74.00000°,δ72.00000°,λ-155.00000°. NP2:ϕ_s335.00000°
,δ66.00000°,λ-20.00000°. $M_0$1.11000×10^{15}
JMA Event type fe. FAR S OFF BOSO PENINSULA.
ISC V 29 11 32 43.7–.83 35.91N–.04 140.54E–.06 31–5 3.5b 20 0-60
IDC V 29 11 32 40.0–1.3 35.82N 140.32E 0 3.4,3.4b **¶610685610**
JMA V 29 11 32 42.8–.11 35.9N–.30 140.5E–.40 35–1 3.1,3.4b
ISC Event type ke.
JMA Event type fe. NORTHERN CHIBA PREF .
JMA V 29 14 41 06.6–.19 36.2N–.40 141E–1.0 41–1 1.2
¶614835286
JMA Event type ke. E OFF IBARAKI PREF .
JMA V 29 14 42 22.8–.09 36.1N–.60 140.1E–.80 65–0 0.2
¶614835287
JMA Event type ke. SW IBARAKI PREF .
JMA V 29 21 19 59.5–.04 40.2N–.10 141.1E–.20 8–0 1.9
¶614835607
JMA Event type ke. NORTHERN IWATE PREF .
JMA V 30 08 36 59.1–.09 39.8N–.20 142.4E–.60 40–0 3.0
¶614835939
JMA Event type ke. E OFF IWATE PREF .
JMA V 30 13 09 50.6–.35 37.4N–.90 142E–1.0 35–4 1.7
¶614836097
JMA Event type ke. E OFF FUKUSHIMA PREF .
ISC V 30 16 04 57.6–1.3 39.64N–.04 142.13E–.09 46–8 3.7b 29 0-45
JMA V 30 16 04 57.8–.09 39.6N–.20 142.1E–.50 48–0 3.5 **¶614836240**
IDC V 30 16 04 59.3–3.6 40.14N 140.92E 0 3.7b,3.5
ISC Event type ke.
JMA Event type fe. E OFF IWATE PREF .
IDC Error ellipse: s-maj=71.0km s-min=28.0km az=114.0.
ISC V 30 16 12 14.2–1.4 38.24N–.04 142.08E–.09 52–11 3.4b 36 0-58
JMA V 30 16 12 15.8–.09 38.3N–.30 141.9E–.50 62–0 3.4 **¶610685727**
IDC V 30 16 12 16.4–6.9 38.13N 141.96E 70–45 3.5,3.2b
ISC Event type ke.
JMA Event type fe. E OFF MIYAGI PREF .
IDC Error ellipse: s-maj=85.7km s-min=19.1km az=77.0.
JMA VI 02 00 38 53.5–.15 39.9N–.30 142.4E–.90 39–1 2.0
¶614838282
JMA Event type ke. E OFF IWATE PREF .
ISC VI 03 22 26 43.7–2.0 37.17N–.04 141.64E–.07 10–11 3.8b 56 1-147
IDC VI 03 22 26 42.7–1.1 37.18N 141.60E 0 3.9L,3.8 **¶614839729**
NIED VI 03 22 26 45.1 37.15N 141.55E 36 3.9W,3.8
JMA VI 03 22 26 45.1–.18 37.2N–.40 141.5E–.90 36–1 4.2,4.2
NEIC VI 03 22 26 47.5–2.0 37.30N–.06 141.50E–.10 28–6 4.3b,4.2
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-0.21 $M_{\theta\theta}$-6.35 $M_{\phi\phi}$6.56
$M_{r\theta}$-0.15 $M_{\theta\phi}$0.77 $M_{\phi r}$1.77 NP1:ϕ_s318.00000°,δ82.00000°,λ169.00000°. NP2:ϕ_s49.00000°
,δ79.00000°,λ8.00000°. $M_0$6.72000×10^{14}
JMA Event type fe. E OFF FUKUSHIMA PREF .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 04 00 15 14.2–.87 35.45N–.03 140.46E–.05 29–6 3.5b 20 0-59
IDC VI 04 00 15 11.4–2.2 35.41N 140.40E 0 3.3b,3.2 **¶610791200**
JMA VI 04 00 15 13.8–.12 35.5N–.30 140.4E–.60 31–1 2.9,3.2
ISC Event type ke.
JMA Event type fe. KUJUKURI COAST BOSO PEN .
ISC VI 04 00 56 13.4–.63 35.36N–.03 140.46E–.04 29–4 4.5b,3.8s 151 0-148
BJI VI 04 00 56 10.4–.00 35.17N 140.32E 21 4.8b,4.6b **¶610661328**
NEIC VI 04 00 56 12.9–1.2 35.35N–.03 140.48E–.07 22–5 4.5b,4.6b
NIED VI 04 00 56 13.3 35.46N 140.42E 30 4.4W,4.6b
JMA VI 04 00 56 13.3–.12 35.5N–.30 140.4E–.60 30–1 4.4,4.1
IDC VI 04 00 56 14.8–1.6 35.31N 140.38E 41–15 4.2,3.9s
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=3.7km az=83.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}1.29 $M_{\theta\theta}$-2.26 $M_{\phi\phi}$0.97
$M_{r\theta}$3.14 $M_{\theta\phi}$-0.62 $M_{\phi r}$2.52 NP1:ϕ_s52.00000°,δ80.00000°,λ72.00000°. NP2:ϕ_s295.00000°
,δ21.00000°,λ151.00000°. $M_0$4.51000×10^{15}
JMA Event type fe. KUJUKURI COAST BOSO PEN .
IDC Error ellipse: s-maj=17.8km s-min=8.8km az=86.0.
ISC VI 04 02 09 58.4–.64 35.37N–.03 140.54E–.04 30–4 4.2b,3.3s 105 0-92
BJI VI 04 02 09 55.9–.00 35.26N 140.81E 41 4.7b,4.4b **¶610661426**
NEIC VI 04 02 09 56.2–1.2 35.37N–.05 140.65E–.08 18–5 4.5b,4.4b
NIED VI 04 02 09 58.1 35.45N 140.42E 30 4.0W,4.4b
JMA VI 04 02 09 58.1–.12 35.5N–.30 140.4E–.60 30–1 3.8,4.4b
IDC VI 04 02 09 59.9–2.1 35.31N 140.28E 40–20 3.8,3.6b
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=6.7km az=110.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.63 $M_{\theta\theta}$-0.73 $M_{\phi\phi}$0.10
$M_{r\theta}$0.74 $M_{\theta\phi}$-0.20 $M_{\phi r}$0.69 NP1:ϕ_s53.00000°,δ74.00000°,λ73.00000°. NP2:ϕ_s281.00000°
,δ23.00000°,λ136.00000°. $M_0$1.24000×10^{15}
JMA Event type fe. KUJUKURI COAST BOSO PEN .
IDC Error ellipse: s-maj=23.1km s-min=9.7km az=78.0.
ISC VI 04 02 17 40.6–1.8 37.10N–.04 141.44E–.07 9–11 23 1-57
JMA VI 04 02 17 42.4–.13 37.1N–.30 141.4E–.70 33–0 3.3 **¶610791205**
IDC VI 04 02 17 42.7–2.8 36.66N 141.40E 0 3.3b,3.2
ISC Event type ke.
JMA Event type ke. E OFF FUKUSHIMA PREF .
IDC Error ellipse: s-maj=55.5km s-min=34.3km az=37.0.
ISC VI 04 10 18 37.6–.81 35.42N–.03 140.45E–.04 27–5 3.5b 27 0-66
IDC VI 04 10 18 33.8–1.5 35.28N 140.31E 0 3.2,3.2b **¶610791228**
JMA VI 04 10 18 36.9–.13 35.5N–.30 140.4E–.60 30–1 2.9,3.2b
ISC Event type ke.
JMA Event type fe. KUJUKURI COAST BOSO PEN .
ISC VI 04 15 33 16.6–1.3 37.36N–.06 141.66E–.10 21–5 27 1-57
IDC VI 04 15 33 13.5–2.7 37.25N 141.95E 0 3.4b,3.3 **¶610791240**
JMA VI 04 15 33 17.0–.18 37.4N–.40 141.7E–.90 32–2 3.2,3.3
ISC Event type ke.
JMA Event type ke. E OFF FUKUSHIMA PREF .
ISC VI 04 18 40 28.7–1.2 37.39N–.07 141.99E–.07 24 3.6b 21 1-57
JMA VI 04 18 40 25.8–.32 37.2N–.70 142E–1.0 27–4 3.3 **¶610791251**
IDC VI 04 18 40 25.8–1.6 37.54N 142.10E 0 3.6b,3.5
ISC Event type ke.
JMA Event type ke. E OFF FUKUSHIMA PREF .
IDC Error ellipse: s-maj=38.9km s-min=26.5km az=144.0.
ISC VI 07 16 11 44.8–1.3 36.56N–.04 140.97E–.06 26–8 3.7b 45 0-147
IDC VI 07 16 11 40.0–1.1 36.46N 141.24E 0 3.7,3.7b **¶610764474**
NIED VI 07 16 11 44.0 36.52N 140.99E 34 3.7W,3.7b
JMA VI 07 16 11 44.0–.10 36.5N–.20 141.0E–.60 34–1 3.5,3.7b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-0.29 $M_{\theta\theta}$-3.44 $M_{\phi\phi}$3.73
$M_{r\theta}$0.89 $M_{\theta\phi}$-1.59 $M_{\phi r}$1.89 NP1:ϕ_s213.00000°,δ90.00000°,λ-28.00000°. NP2:ϕ_s303.00000°
,δ62.00000°,λ-180.00000°. $M_0$4.44000×10^{14}
JMA Event type fe. E OFF IBARAKI PREF .
ISC VI 08 00 25 30.6–.34 35.59N–.03 140.65E–.03 51–2 4.9b,4.0s 850 0-153
MOS VI 08 00 25 28.4–1.0 35.56N 140.64E 44 5.1b,4.0s **¶617195261**
BJI VI 08 00 25 28.3–.00 35.61N 140.73E 61 4.8b,4.8b
JMA VI 08 00 25 30.0–.19 35.7N–.60 140.7E–.70 51–1 5.0W,4.7
NEIC VI 08 00 25 29.9–1.6 35.59N–.04 140.69E–.06 39–5 5.0b,4.9
NIED VI 08 00 25 30.0 35.65N 140.68E 51 5.0W,4.9
NEIC VI 08 00 25 29.7 35.58N 140.71E 37 5.0W,4.9
GCMT VI 08 00 25 31.9–.30 35.57N–.02 140.79E–.02 46–0 5.0W,4.9
IDC VI 08 00 25 31.7–1.3 35.55N 140.51E 56–12 4.6,4.3b
ISC Event type ke.

MOS Error ellipse: s-maj=6.8km s-min=3.8km az=123.6.
JMA Event type fe. NEAR CHOSHI CITY .
NEIC Event type se. Error ellipse: s-maj=8.2km s-min=2.8km az=129.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-1.02 $M_{\theta\theta}$0.08 $M_{\phi\phi}$0.94 $M_{r\theta}$0.05 $M_{r\phi}$-0.21 $M_{\theta\phi}$2.57 NP1:ϕ_s180.14000°,δ79.54000°,λ-85.54000°. NP2:ϕ_s336.89000°,δ11.36000° ,λ-112.84000°. Principal axes: T 2.7171,Plg34.0000°,Azm266.0000°; N 0.0806,Plg4.0000° ,Azm359.0000°; P -2.7977,Plg55.0000°,Azm96.0000° $M_0$2.76000×10^{16}
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}1.83 $M_{\theta\theta}$-0.39 $M_{\phi\phi}$-1.44 $M_{r\theta}$0.39 $M_{r\phi}$-0.08 $M_{\theta\phi}$2.79 NP1:ϕ_s7.00000°,δ75.00000°,λ91.00000°. NP2:ϕ_s183.00000° ,δ15.00000°,λ86.00000°. $M_0$3.26000×10^{16}
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s61,c85; s99,c147;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}4.12±.16 $M_{\theta\theta}$-0.66±.11; $M_{\phi\phi}$-3.46±.10; $M_{r\theta}$0.00±.08; $M_{r\phi}$-0.67±.07; $M_{\theta\phi}$2.03±.08; Best double couple: NP1:ϕ_s7.00000°,δ59.00000°,λ85.00000°. NP2:ϕ_s197.00000°,δ32.00000°,λ98.00000°. Principal axes: T 4.6340,Plg76.0000° ,Azm263.0000°; N -0.5420,Plg4.0000°,Azm10.0000°; P -4.0930,Plg14.0000°,Azm101.0000° $M_0$4.36400×10^{16}
IDC Error ellipse: s-maj=12.0km s-min=8.0km az=95.0.
ISC VI 08 11 38 40.2–1.6 36.23N–.04 141.19E–.08 16–10 17 1-60
IDC VI 08 11 38 39.1–3.6 36.00N 141.07E 0 3.3,3.3b ¶614843532
JMA VI 08 11 38 41.4–.15 36.2N–.30 141.1E–.90 40–1 3.3,3.3b
ISC Event type ke.
JMA Event type ke. E OFF IBARAKI PREF .
ISC VI 08 14 51 17.6–.66 40.94N–.04 141.12E–.05 101–5 4.2b 87 0-76
IDC VI 08 14 51 16.1–1.7 40.85N 140.94E 85–16 3.9,3.5b ¶610791469
JMA VI 08 14 51 18.0–.10 41.0N–.20 141.1E–.50 98–0 3.4,3.5b
NEIC VI 08 14 51 17.7–2.5 40.95N–.02 141.1E–.10 98–6 4.3b,3.5b
ISC Event type ke.
JMA Event type ke. SHIMOKITA PENINSULA REG .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 08 20 33 41.5–1.6 37.24N–.06 141.5E–.10 22–7 3.4b 24 1-57
IDC VI 08 20 33 37.9–2.4 37.19N 141.77E 0 3.2,3.2b ¶610791480
JMA VI 08 20 33 41.8–.20 37.2N–.40 142E–1.0 31–1 3.3,3.2b
ISC Event type ke.
JMA Event type ke. E OFF FUKUSHIMA PREF .
ISC VI 09 03 09 19.0–1.2 34.83N–.05 140.89E–.09 29–10 16 0-55
IDC VI 09 03 09 15.3–1.4 34.75N 140.87E 0 3.6b,3.5 ¶610791496
JMA VI 09 03 09 17.2–.24 34.8N–.80 141.0E–.90 46–2 3.2,3.5
ISC Event type ke.
JMA Event type ke. SE OFF BOSO PENINSULA .
ISC VI 09 07 35 38.7–1.0 35.70N–.04 141.02E–.06 31–7 3.9b,3.6s 37 0-148
IDC VI 09 07 35 34.0–.68 35.59N 140.94E 0 3.9,3.9b ¶610791509
JMA VI 09 07 35 39.0–.21 35.7N–.60 141E–1.0 35–1 3.7,3.9b
NIED VI 09 07 35 39.0 35.72N 141.01E 35 4.3W,3.9b
ISC Event type ke.
IDC Error ellipse: s-maj=21.7km s-min=14.4km az=90.0.
JMA Event type fe. NEAR CHOSHI CITY .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.67 $M_{\theta\theta}$0.75 $M_{\phi\phi}$-0.08 $M_{r\theta}$2.19 $M_{\theta\phi}$-0.52 $M_{\phi r}$1.35 NP1:ϕ_s244.00000°,δ85.00000°,λ-104.00000°. NP2:ϕ_s135.00000° ,δ15.00000°,λ-19.00000°. $M_0$2.68000×10^{15}
ISC VI 09 19 34 14.4–.32 40.13N–.03 142.59E–.04 39–2 4.7b,4.0s 560 1-116
BJI VI 09 19 34 09.3–.00 40.11N 142.93E 29 4.8b,4.7b ¶610758972
NEIC VI 09 19 34 12.4–2.9 40.22N–.04 142.67E–.07 15–4 4.7b,4.7b
JMA VI 09 19 34 14.9–.12 40.2N–.30 142.5E–.60 32–1 4.6,4.5
MOS VI 09 19 34 14.4–.85 40.22N 142.49E 45 5.0b,4.2s
BGR VI 09 19 34 14.7 40.57N 144.15E 33 4.9b,4.0s
NIED VI 09 19 34 14.9 40.15N 142.50E 32 4.4W,4.0s
IDC VI 09 19 34 16.3–1.5 40.14N 142.53E 50–13 4.5,4.2b
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=8.2km s-min=5.7km az=115.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. NE OFF IWATE PREF .
MOS Error ellipse: s-maj=6.2km s-min=4.1km az=111.2.
BGR Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}2.48 $M_{\theta\theta}$-0.38 $M_{\phi\phi}$-2.09 $M_{r\theta}$1.47 $M_{\theta\phi}$-0.25 $M_{\phi r}$3.01 NP1:ϕ_s22.00000°,δ73.00000°,λ97.00000°. NP2:ϕ_s181.00000° ,δ18.00000°,λ70.00000°. $M_0$4.06000×10^{15}
IDC Error ellipse: s-maj=15.8km s-min=9.6km az=109.0.
JMA VI 10 07 30 02.6–.13 35.7N–.20 140.9E–.50 12–0 0.9
¶614845286
JMA Event type ke. NEAR CHOSHI CITY .
ISC VI 10 08 00 02.7–.82 35.77N–.03 140.21E–.05 71–6 3.9b 41 0-75
IDC VI 10 07 59 59.2–3.4 35.84N 140.26E 35–26 3.7,3.6b ¶610791584
JMA VI 10 08 00 03.3–.20 35.8N–.50 140.2E–.70 61–1 3.5,3.6b
ISC Event type ke.
JMA Event type fe. NORTHERN CHIBA PREF .
ISC VI 10 12 05 47.5–.70 40.83N–.03 141.70E–.05 74–6 4.2b 122 0-147
NIED VI 10 12 05 47.2 40.84N 141.74E 72 4.2W ¶610669512
JMA VI 10 12 05 47.2–.11 40.8N–.20 141.7E–.70 72–0 4.2,4.1
NEIC VI 10 12 05 48.7–2.7 40.79N–.07 141.65E–.10 74–3 4.3b,4.1
IDC VI 10 12 05 48.7–1.3 40.77N 141.67E 90–11 4.1,3.8b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.55 $M_{\theta\theta}$2.21 $M_{\phi\phi}$-1.66 $M_{r\theta}$-0.40 $M_{\theta\phi}$-0.43 $M_{\phi r}$-0.95 NP1:ϕ_s55.00000°,δ74.00000°,λ-153.00000°. NP2:ϕ_s317.00000° ,δ64.00000°,λ-18.00000°. $M_0$2.29000×10^{15}
JMA Event type fe. E OFF AOMORI PREF .
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=7.7km az=128.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=15.9km s-min=9.1km az=108.0.
ISC VI 10 16 22 28.5–.76 35.90N–.06 141.57E–.06 26 3.8b 29 1-147
JMA VI 10 16 22 28.7–.25 35.9N–.70 142E–1.0 33–2 3.5 ¶610764477
NIED VI 10 16 22 28.7 35.90N 141.54E 33 3.9W
IDC VI 10 16 22 30.9–3.0 35.84N 141.42E 40–27 3.7,3.5b
ISC Event type ke.
JMA Event type ke. FAR E OFF IBARAKI PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-6.33 $M_{\theta\theta}$6.50 $M_{\phi\phi}$-0.17 $M_{r\theta}$-1.08 $M_{\theta\phi}$0.27 $M_{\phi r}$2.65 NP1:ϕ_s107.00000°,δ53.00000°,λ-64.00000°. NP2:ϕ_s249.00000° ,δ44.00000°,λ-120.00000°. $M_0$6.99000×10^{14}
IDC Error ellipse: s-maj=25.6km s-min=17.8km az=89.0.
ISC VI 10 22 52 14.4–1.7 36.69N–.04 141.90E–.05 11–10 3.8b 62 1-147
JMA VI 10 22 52 17.6–.22 36.8N–.60 142E–1.0 48–3 4.3,4.0 ¶610764478
NIED VI 10 22 52 17.6 36.75N 141.77E 48 3.9W,4.0
IDC VI 10 22 52 17.8–3.8 36.66N 141.88E 34–30 3.9,3.7b
ISC Event type ke.
JMA Event type fe. E OFF FUKUSHIMA PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-7.17 $M_{\theta\theta}$6.77 $M_{\phi\phi}$0.40 $M_{r\theta}$-1.34 $M_{\theta\phi}$3.40 $M_{\phi r}$4.53 NP1:ϕ_s221.00000°,δ54.00000°,λ-126.00000°. NP2:ϕ_s92.00000° ,δ49.00000°,λ-51.00000°. $M_0$9.00000×10^{14}
IDC Error ellipse: s-maj=19.6km s-min=15.5km az=112.0.
ISC VI 11 21 26 35.0–2.0 37.13N–.05 141.47E–.08 12–10 3.7s,3.6b 32 1-147
IDC VI 11 21 26 34.0–2.9 37.16N 141.43E 0 3.8b,3.7 ¶610764481
JMA VI 11 21 26 34.6–.17 37.1N–.30 141.5E–.80 28–1 3.9,3.7
NIED VI 11 21 26 34.6 37.10N 141.49E 28 3.9W,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=60.9km s-min=16.1km az=155.0.
JMA Event type fe. E OFF FUKUSHIMA PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-7.34 $M_{\theta\theta}$0.12 $M_{\phi\phi}$7.21 $M_{r\theta}$0.12 $M_{\theta\phi}$2.96 $M_{\phi r}$1.07 NP1:ϕ_s198.00000°,δ49.00000°,λ-93.00000°. NP2:ϕ_s22.00000° ,δ41.00000°,λ-87.00000°. $M_0$7.89000×10^{14}
JMA VI 11 22 46 11.1–.19 37.4N–.30 141.6E–.90 26–1 3.5
NIED VI 11 22 46 11.1 37.35N 141.60E 26 3.3W ¶614847088
JMA Event type ke. E OFF FUKUSHIMA PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{13}Nm; M_{rr}-8.19 $M_{\theta\theta}$-0.10 $M_{\phi\phi}$8.28 $M_{r\theta}$-1.43 $M_{\theta\phi}$2.31 $M_{\phi r}$4.22 NP1:ϕ_s180.00000°,δ59.00000°,λ-107.00000°. NP2:ϕ_s29.00000° ,δ35.00000°,λ-65.00000°. $M_0$9.64000×10^{13}

ISC VI 12 19 04 22.7–.70 35.73N–.04 140.16E–.05 71–6 4.3b 105 0-118
NEIC VI 12 19 04 22.9–.89 35.74N–.05 140.13E–.08 70–7 4.5b ¶610760938
IDC VI 12 19 04 22.6–1.3 35.67N 140.17E 69–12 4.1,3.8b
JMA VI 12 19 04 23.1–.21 35.8N–.50 140.1E–.80 63–1 3.8,3.8b
NIED VI 12 19 04 23.1 35.79N 140.10E 63 4.1W,3.8b
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=3.8km az=121.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=17.5km s-min=7.1km az=73.0.
JMA Event type fe. NORTHERN CHIBA PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}1.09 $M_{\theta\theta}$0.11 $M_{\phi\phi}$-1.21 $M_{r\theta}$0.42 $M_{\theta\phi}$0.28 $M_{\phi r}$0.79 NP1:ϕ_s11.00000°,δ64.00000°,λ112.00000°. NP2:ϕ_s147.00000° ,δ34.00000°,λ52.00000°. $M_0$1.49000×10^{15}
ISC VI 13 04 22 25.7–2.0 38.70N–.05 142.40E–.08 14–10 3.9b 39 1-73
NIED VI 13 04 22 28.7 38.70N 142.27E 39 3.9W ¶610764484
JMA VI 13 04 22 28.7–.12 38.7N–.30 142.3E–.70 39–1 4.1,4.0
IDC VI 13 04 22 30.2–2.6 38.71N 142.46E 59–20 3.9,3.6b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}3.86 $M_{\theta\theta}$0.04 $M_{\phi\phi}$-3.90 $M_{r\theta}$0.84 $M_{\theta\phi}$-1.13 $M_{\phi r}$7.15 NP1:ϕ_s8.00000°,δ75.00000°,λ86.00000°. NP2:ϕ_s203.00000° ,δ15.00000°,λ105.00000°. $M_0$8.25000×10^{14}
JMA Event type fe. E OFF MIYAGI PREF .
IDC Error ellipse: s-maj=27.0km s-min=11.9km az=107.0.
ISC VI 13 10 55 42.4–.82 40.15N–.04 142.57E–.06 33–2 3.6b 34 1-60
IDC VI 13 10 55 43.6–1.0 40.09N 143.06E 58–9 3.4,3.2b ¶610764485
NIED VI 13 10 55 44.8 40.16N 142.41E 35 3.7W,3.2b
JMA VI 13 10 55 44.8–.12 40.2N–.30 142.4E–.70 35–1 3.7,3.2b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}1.71 $M_{\theta\theta}$0.39 $M_{\phi\phi}$-2.10 $M_{r\theta}$1.72 $M_{\theta\phi}$-0.33 $M_{\phi r}$3.33 NP1:ϕ_s26.00000°,δ77.00000°,λ100.00000°. NP2:ϕ_s166.00000° ,δ16.00000°,λ51.00000°. $M_0$4.23000×10^{14}
JMA Event type fe. NE OFF IWATE PREF .
ISC VI 13 13 51 26.9–1.1 35.52N–.05 141.09E–.06 19–3 3.5b 24 0-147
IDC VI 13 13 51 23.3–1.0 35.41N 141.37E 0 3.6,3.6b ¶610764486
JMA VI 13 13 51 26.4–.18 35.5N–.50 141.0E–.80 22–1 4.0,4.0
NIED VI 13 13 51 26.4 35.50N 140.97E 22 3.8W,4.0
ISC Event type ke.
IDC Error ellipse: s-maj=25.2km s-min=19.3km az=72.0.
JMA Event type fe. NEAR CHOSHI CITY .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-3.56 $M_{\theta\theta}$-0.62 $M_{\phi\phi}$4.17 $M_{r\theta}$-3.12 $M_{\theta\phi}$-2.02 $M_{\phi r}$-0.71 NP1:ϕ_s129.00000°,δ58.00000°,λ-133.00000°. NP2:ϕ_s10.00000° ,δ52.00000°,λ-43.00000°. $M_0$5.38000×10^{14}
JMA VI 13 14 33 03.7–.05 36.9N–.10 140.5E–.20 10–0 -0.4
¶614848944
JMA Event type ke. MID FUKUSHIMA PREF .
ISC VI 13 19 59 33.1–.97 35.69N–.04 140.67E–.07 52–6 3.5b 26 0-70
IDC VI 13 19 59 24.1–1.5 35.77N 141.17E 0 3.5b,3.4 ¶610791797
JMA VI 13 19 59 33.0–.21 35.7N–.60 140.6E–.80 50–1 2.8,3.4
ISC Event type ke.
JMA Event type ke. NEAR CHOSHI CITY .
ISC VI 16 01 27 10.2–1.3 35.43N–.05 141.22E–.09 10 3.6b 18 0-55
IDC VI 16 01 27 06.7–2.8 35.56N 141.49E 0 3.6,3.5b ¶610791973
JMA VI 16 01 27 13.8–.16 35.4N–.40 141.0E–.80 36–1 3.1,3.5b
ISC Event type ke.
JMA Event type ke. E OFF BOSO PENINSULA .
ISC VI 16 06 43 27.6–.87 35.73N–.05 140.74E–.07 55–6 3.7b 32 0-75
IDC VI 16 06 43 19.0–1.1 35.75N 141.25E 0 3.7,3.7b ¶610760954
JMA VI 16 06 43 27.7–.19 35.7N–.50 140.6E–.70 50–1 3.2,3.7b
ISC Event type ke.
JMA Event type ke. NEAR CHOSHI CITY .
ISC VI 16 11 22 18.3–1.4 37.27N–.05 141.52E–.07 19–3 3.3b 24 1-57
IDC VI 16 11 22 15.9–1.6 37.25N 141.58E 0 3.3,3.3b ¶610792001
JMA VI 16 11 22 18.4–.19 37.3N–.30 141.5E–.90 27–1 3.5,3.3b
ISC Event type ke.
JMA Event type ke. E OFF FUKUSHIMA PREF .
ISC VI 17 17 16 47.0–1.2 38.24N–.05 141.76E–.07 46–8 3.8b 44 0-74
JMA VI 17 17 16 47.4–.10 38.2N–.30 141.7E–.50 51–0 3.7 ¶610792073
IDC VI 17 17 16 48.1–2.6 38.31N 141.97E 68–22 3.6,3.4b
ISC Event type ke.
JMA Event type fe. KINKAZAN REGION .
IDC Error ellipse: s-maj=27.8km s-min=12.6km az=109.0.
ISC VI 18 09 24 58.6–1.2 38.52N–.04 141.79E–.09 55–7 3.6b 28 0-59
IDC VI 18 09 24 49.0–2.8 38.73N 142.41E 0 3.6b,3.5s ¶610792112
JMA VI 18 09 24 59.5–.09 38.5N–.20 141.7E–.50 53–0 3.3,3.5s
ISC Event type ke.
JMA Event type fe. KINKAZAN REGION .
ISC VI 18 11 10 46.9–1.5 40.27N–.04 142.24E–.07 31–11 3.2s 27 0-72
IDC VI 18 11 10 42.4–2.2 40.23N 142.09E 0 3.4b,3.3 ¶610792120
JMA VI 18 11 10 47.4–.10 40.3N–.30 142.3E–.60 38–0 3.6,3.3
ISC Event type ke.
JMA Event type fe. NE OFF IWATE PREF .
ISC VI 18 16 23 48.0–.70 36.38N–.04 140.10E–.05 77–6 4.3b 119 0-152
JMA VI 18 16 23 48.9–.10 36.3N–.30 140.1E–.40 72–0 4.1,3.8 ¶610681488
NIED VI 18 16 23 48.9 36.34N 140.05E 72 4.1W,3.8
NEIC VI 18 16 23 49.2–1.0 36.41N–.04 140.01E–.09 84–6 4.3b,3.8
IDC VI 18 16 23 49.8–1.3 36.31N 139.91E 91–12 4.1,3.7b
ISC Event type ke.
JMA Event type fe. SW IBARAKI PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}1.23 $M_{\theta\theta}$-0.31 $M_{\phi\phi}$-0.92 $M_{r\theta}$0.53 $M_{\theta\phi}$-0.50 $M_{\phi r}$0.52 NP1:ϕ_s37.00000°,δ61.00000°,λ98.00000°. NP2:ϕ_s202.00000° ,δ30.00000°,λ76.00000°. $M_0$1.42000×10^{15}
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=6.2km az=93.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=18.2km s-min=10.0km az=60.0.
ISC VI 19 12 38 51.5–1.5 36.26N–.04 141.01E–.07 39–5 25 0-60
IDC VI 19 12 38 48.4–2.9 35.85N 140.88E 0 3.2,3.2b ¶610792193
JMA VI 19 12 38 51.9–.14 36.3N–.30 140.9E–.80 45–1 3.2,3.2b
ISC Event type ke.
JMA Event type fe. E OFF IBARAKI PREF .
ISC VI 19 14 42 41.8–.79 35.91N–.05 140.16E–.05 69–7 3.8b 62 0-75
IDC VI 19 14 42 42.8–1.7 35.82N 140.21E 80–14 3.8,3.4b ¶610792198
NEIC VI 19 14 42 42.2–.91 35.87N–.07 140.2E–.10 73–9 4.2b,3.4b
JMA VI 19 14 42 42.5–.09 35.9N–.30 140.1E–.40 61–0 3.1,3.4b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. SOUTHERN IBARAKI PREF .
ISC VI 21 00 52 41.1–1.5 37.16N–.04 141.51E–.07 32–10 3.8b 53 1-58
NIED VI 21 00 52 42.1 37.19N 141.43E 47 3.7W ¶610764493
JMA VI 21 00 52 42.1–.17 37.2N–.40 141E–1.0 47–1 3.8
NEIC VI 21 00 52 42.5–1.4 37.23N–.05 141.5E–.10 37–6 4.0b
IDC VI 21 00 52 43.2–3.8 37.05N 141.58E 59–36 3.7,3.4b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}2.56 $M_{\theta\theta}$-0.62 $M_{\phi\phi}$-1.93 $M_{r\theta}$1.57 $M_{\theta\phi}$-1.51 $M_{\phi r}$2.99 NP1:ϕ_s29.00000°,δ71.00000°,λ86.00000°. NP2:ϕ_s219.00000° ,δ20.00000°,λ100.00000°. $M_0$4.35000×10^{14}
JMA Event type fe. E OFF FUKUSHIMA PREF .
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=7.6km az=95.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=29.6km s-min=15.6km az=57.0.
ISC VI 21 08 13 49.6–.77 35.35N–.04 140.40E–.05 31–5 3.9b,2.8s 53 0-77
IDC VI 21 08 13 45.2–.94 35.28N 140.43E 0 3.7,3.6b ¶610690709
NEIC VI 21 08 13 49.6–.98 35.33N–.05 140.55E–.09 36–11 4.1b,3.6b
NIED VI 21 08 13 49.3 35.42N 140.35E 29 3.9W,3.6b
JMA VI 21 08 13 49.3–.21 35.4N–.40 140.3E–.90 29–2 3.5,3.6b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; Mrr3.93 Mθθ-3.46 Mφφ-0.47
Mrθ5.71 Mθφ-2.19 Mφr2.75 NP1:φs64.00000°,δ73.00000°,λ91.00000°. NP2:φs239.00000°
,δ17.00000°,λ86.00000°. M0 7.64000×10^{14}
JMA Event type fe. KUJUKURI COAST BOSO PEN .
ISC VI 21 18 35 02.3–1.9 37.21N–.04 141.51E–.07 12–10 3.6b 25 1-64
IDC VI 21 18 35 00.8–1.6 37.32N 141.49E 0 3.6,3.6b ¶610789224
JMA VI 21 18 35 04.0–.18 37.2N–.30 141.4E–.90 27–1 3.4,3.6b
ISC Event type ke.
JMA Event type ke. E OFF FUKUSHIMA PREF .
ISC VI 22 06 36 53.6–.94 37.18N–.05 141.40E–.06 10 3.7b,3.2s 25 0-147
IDC VI 22 06 36 51.8–1.1 37.02N 141.46E 0 3.8b,3.7 ¶614856232
NIED VI 22 06 36 54.3 37.21N 141.30E 22 4.1W,3.7
JMA VI 22 06 36 54.3–.18 37.2N–.30 141.3E–.90 22–1 3.9,3.7
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; Mrr-1.01 Mθθ0.44 Mφφ0.57
Mrθ0.57 Mθφ0.42 Mφr0.76 NP1:φs218.00000°,δ67.00000°,λ-92.00000°. NP2:φs42.00000°
,δ23.00000°,λ-86.00000°. M0 1.36000×10^{15}
JMA Event type fe. E OFF FUKUSHIMA PREF .
ISC VI 24 01 46 33.3–2.0 38.83N–.06 142.2E–.10 45–17 3.4b 22 1-59
IDC VI 24 01 46 26.9–1.6 39.08N 142.70E 0 3.4,3.4b ¶610789369
JMA VI 24 01 46 35.6–.11 38.9N–.30 142.1E–.70 46–1 3.4,3.4b
ISC Event type ke.
JMA Event type fe. KINKAZAN REGION .
ISC VI 24 18 54 20.7–.88 35.56N–.04 140.06E–.04 73–6 3.5b 37 0-70
JMA VI 24 18 54 19.9–.24 35.6N–.70 140.1E–.90 70–2 3.0 ¶610789400
IDC VI 24 18 54 22.6–4.0 35.39N 139.80E 86–27 3.6,3.2b
ISC Event type ke.
JMA Event type ke. CENTRAL CHIBA PREF .
IDC Error ellipse: s-maj=58.8km s-min=26.0km az=70.0.
JMA VI 25 06 17 48.4–.03 40.2N–.10 141.1E–.10 8–0 1.2
¶614860555
JMA Event type ke. NORTHERN IWATE PREF .
ISC VI 25 20 16 39.5–.80 38.71N–.05 142.15E–.07 51–5 4.3b,3.6s 110 1-82
NIED VI 25 20 16 38.4 38.72N 142.19E 41 4.2W,3.6s ¶610695060
JMA VI 25 20 16 38.4–.11 38.7N–.20 142.2E–.70 41–1 4.3,4.1
IDC VI 25 20 16 40.6–1.9 38.73N 142.09E 57–16 4.1,3.8b
NEIC VI 25 20 16 40.6–1.8 38.69N–.07 142.2E–.10 60–9 4.4b,3.8b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; Mrr2.16 Mθθ-0.56 Mφφ-1.60
Mrθ0.79 Mθφ-0.46 Mφr1.06 NP1:φs29.00000°,δ62.00000°,λ96.00000°. NP2:φs196.00000°
,δ29.00000°,λ79.00000°. M0 2.36000×10^{15}
JMA Event type fe. E OFF MIYAGI PREF .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 26 18 32 02.2–.00 35.56N–.05 140.12E–.05 75–7 3.5b 27 0-59
JMA VI 26 18 32 01.8–.23 35.6N–.60 140.1E–.80 70–1 3.3 ¶610789524
IDC VI 26 18 32 06.1–3.5 35.33N 139.65E 92–31 3.5,3.2b
ISC Event type ke.
JMA Event type fe. CENTRAL CHIBA PREF .
IDC Error ellipse: s-maj=70.3km s-min=30.9km az=62.0.
ISC VI 27 02 25 15.7–.95 36.09N–.06 140.02E–.07 74–7 3.9b 20 0-75
JMA VI 27 02 25 16.6–.11 36.1N–.30 140.0E–.40 66–0 3.3 ¶610789533
IDC VI 27 02 25 16.7–5.9 36.09N 139.90E 82–45 3.7,3.4b
ISC Event type ke.
JMA Event type fe. SW IBARAKI PREF .
IDC Error ellipse: s-maj=73.1km s-min=22.3km az=75.0.
ISC VI 28 15 44 33.1–.63 36.74N–.05 141.92E–.07 35 4.2b,3.7s 92 1-82
NIED VI 28 15 44 30.6 36.71N 142.06E 43 4.1W,3.7s ¶610699024
JMA VI 28 15 44 30.6–.39 36.7N–.80 142E–2.0 43 4.2,4.0
IDC VI 28 15 44 34.7–2.5 36.63N 141.88E 54–21 4.0,3.8b
NEIC VI 28 15 44 35.7–1.3 36.97N–.07 141.8E–.10 41–9 4.3b,3.8b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; Mrr1.05 Mθθ-0.11 Mφφ-0.95
Mrθ0.48 Mθφ-0.70 Mφr1.36 NP1:φs21.00000°,δ70.00000°,λ82.00000°. NP2:φs222.00000°
,δ21.00000°,λ110.00000°. M0 1.88000×10^{15}
JMA Event type ke. E OFF FUKUSHIMA PREF .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 29 06 49 37.2–1.5 38.24N–.04 142.19E–.06 19–3 3.7b 32 1-62
NIED VI 29 06 49 39.6 38.33N 142.14E 38 3.5W ¶610764509
JMA VI 29 06 49 39.6–.14 38.3N–.40 142.1E–.80 38–1 3.8
IDC VI 29 06 49 40.1–3.8 38.43N 142.70E 55–33 3.7,3.5b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; Mrr0.78 Mθθ0.71 Mφφ-1.49
Mrθ-1.47 Mθφ0.71 Mφr0.73 NP1:φs307.00000°,δ77.00000°,λ54.00000°. NP2:φs200.00000°
,δ38.00000°,λ159.00000°. M0 2.20000×10^{14}
JMA Event type fe. E OFF MIYAGI PREF .
IDC Error ellipse: s-maj=33.7km s-min=20.5km az=111.0.

(229) Off east coast of Honshu.

ISC I 05 01 40 49.6–1.1 40.26N–.06 143.80E–.07 16 3.6b 34 2-73
JMA I 05 01 40 50.2–.26 40.3N–.60 144E–1.0 21–4 3.5 ¶610208167
NIED I 05 01 40 50.2 40.33N 143.67E 21 3.8W
IDC I 05 01 40 52.2–1.3 40.46N 142.98E 0 3.6b,3.5
ISC Event type ke.
JMA Event type ke. FAR E OFF SANRIKU .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; Mrr3.24 Mθθ1.57 Mφφ-4.80
Mrθ1.59 Mθφ-1.65 Mφr1.72 NP1:φs36.00000°,δ63.00000°,λ118.00000°. NP2:φs166.00000°
,δ39.00000°,λ48.00000°. M0 4.96000×10^{14}
IDC Error ellipse: s-maj=30.1km s-min=22.2km az=113.0.
ISC I 05 01 57 32.9–1.6 36.50N–.07 142.3E–.10 35 3.5b 17 1-57
JMA I 05 01 57 30.3–.15 36.5N–.40 142.3E–.80 72 3.1 ¶610236749
IDC I 05 01 57 33.8–1.5 36.87N 141.70E 0 3.4b,3.3
ISC Event type ke.
JMA Event type ke. FAR E OFF IBARAKI PREF .
IDC Error ellipse: s-maj=33.3km s-min=30.7km az=64.0.
ISC I 05 11 51 59.0–1.3 37.38N–.06 144.66E–.09 35 3.9b 28 3-62
IDC I 05 11 51 56.8–1.8 36.85N 144.57E 0 3.7,3.7b ¶610236771
JMA I 05 11 51 59.7–.21 37.4N–.70 144E–1.0 67 3.8,3.7b
ISC Event type ke.
JMA Event type ke. FAR E OFF NORTH HONSHU .
ISC I 05 21 14 28.2–2.2 34.55N–.06 142.29E–.09 14–13 3.5b 31 1-58
IDC I 05 21 14 26.1–1.7 34.61N 142.39E 0 3.7,3.6b ¶610208170
JMA I 05 21 14 30.2–.39 34.6N–.90 142E–2.0 49 3.6,3.6b
NIED I 05 21 14 30.2 34.55N 142.24E 49 3.5W,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=38.7km s-min=18.7km az=70.0.
JMA Event type ke. FAR E OFF CENTRAL HONSHU.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; Mrr-1.69 Mθθ-0.39 Mφφ2.08
Mrθ-0.10 Mθφ0.21 Mφr-0.15 NP1:φs8.00000°,δ48.00000°,λ-85.00000°. NP2:φs181.00000°
,δ43.00000°,λ-95.00000°. M0 1.90000×10^{14}
JMA I 07 03 00 53.1–.23 38.5N–.90 145E–1.0 44 3.5
¶614098603
JMA Event type ke. FAR E OFF NORTH HONSHU .
ISC I 08 11 15 43.8–1.3 38.03N–.06 143.94E–.08 35 26 2-62
IDC I 08 11 15 40.0–2.0 37.88N 144.03E 0 3.7s,3.6b ¶610236959
JMA I 08 11 15 44.0–.21 38.0N–.80 144E–1.0 53 3.3,3.6b
ISC Event type ke.
JMA Event type ke. FAR E OFF MIYAGI PREF .
JMA I 09 08 30 27.6–.27 35.8N–.90 144E–1.0 57 3.7
¶614101288
JMA Event type ke. FAR E OFF CENTRAL HONSHU.
ISC I 10 10 34 00.5–3.5 37.34N–.04 142.07E–.07 13–22 3.5b 30 1-57
IDC I 10 10 33 58.7–1.4 37.24N 142.24E 0 3.5,3.4b ¶614102311
JMA I 10 10 34 02.1–.21 37.4N–.50 142.0E–.90 33–3 3.3,3.4b
ISC Event type ke.
JMA Event type ke. E OFF FUKUSHIMA PREF .
ISC I 11 04 12 19.8–1.3 36.35N–.05 142.1E–.10 35 3.4b 21 1-75
JMA I 11 04 12 18.7–.28 36.3N–.50 142E–2.0 70–4 3.1 ¶610237126
IDC I 11 04 12 31.6–1.1 34.61N 137.10E 0 3.5,3.5b
ISC Event type ke.
JMA Event type ke. FAR E OFF IBARAKI PREF .
IDC Error ellipse: s-maj=34.0km s-min=21.3km az=67.0.
ISC I 11 07 12 26.7–1.6 36.33N–.06 142.2E–.10 19 3.6b 19 1-56
JMA I 11 07 12 25.6–.15 36.3N–.30 142E–1.0 73–4 3.0 ¶610237133
IDC I 11 07 12 28.5–2.8 36.84N 141.88E 0 3.5,3.5b
ISC Event type ke.
JMA Event type ke. FAR E OFF IBARAKI PREF .
IDC Error ellipse: s-maj=68.2km s-min=33.9km az=62.0.
ISC I 11 07 36 36.2–.83 37.28N–.06 142.11E–.06 24 3.7b 34 1-147
NIED I 11 07 36 31.2 37.23N 142.38E 15 3.8W ¶610207608
JMA I 11 07 36 31.2–.41 37.2N–.70 142E–1.0 15–4 4.3,4.2
IDC I 11 07 36 32.3–.87 37.22N 142.25E 0 3.8,3.8b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; Mrr-5.00 Mθθ1.31 Mφφ3.69
Mrθ1.52 Mθφ2.17 Mφr3.86 NP1:φs205.00000°,δ65.00000°,λ-95.00000°. NP2:φs36.00000°
,δ26.00000°,λ-80.00000°. M0 6.49000×10^{14}
JMA Event type ke. E OFF FUKUSHIMA PREF .
IDC Error ellipse: s-maj=19.8km s-min=18.1km az=105.0.
ISC I 16 05 02 44.0–3.6 34.41N–.05 142.13E–.07 15–22 4.1b 69 1-147
IDC I 16 05 02 41.9–.81 34.33N 142.20E 0 3.8,3.8b ¶610237485
JMA I 16 05 02 45.1–.30 34.4N–.80 142E–2.0 59–4 4.0,3.8b
NEIC I 16 05 02 46.4–2.1 34.49N–.08 142.2E–.10 32–5 4.5b,3.8b
ISC Event type ke.
JMA Event type ke. FAR E OFF CENTRAL HONSHU.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 16 21 43 08.4–4.3 40.37N–.05 143.93E–.07 15–27 4.2b 76 2-81
IDC I 16 21 43 05.8–.74 40.32N 144.13E 0 3.9,3.9b ¶610180893
NIED I 16 21 43 09.3 40.38N 143.76E 30 4.4W,3.9b
JMA I 16 21 43 09.3–.23 40.4N–.70 144E–1.0 30 4.0,3.9b
NEIC I 16 21 43 10.1–1.0 40.41N–.07 143.9E–.20 23–6 4.3b,3.9b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; Mrr1.87 Mθθ1.23 Mφφ-3.10
Mrθ1.82 Mθφ-0.51 Mφr1.94 NP1:φs36.00000°,δ72.00000°,λ120.00000°. NP2:φs154.00000°
,δ34.00000°,λ33.00000°. M0 3.81000×10^{15}
JMA Event type ke. FAR E OFF SANRIKU .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 17 14 50 21.2–.83 36.63N–.06 142.81E–.07 29 3.6b 43 2-75
IDC I 17 14 50 17.1–1.0 36.56N 142.88E 0 3.7,3.6b ¶610237605
JMA I 17 14 50 21.4–.30 36.7N–.70 143E–2.0 56 3.4,3.6b
ISC Event type ke.
JMA Event type ke. FAR E OFF FUKUSHIMA PREF.
ISC I 18 13 53 05.3–2.3 36.25N–.10 142.4E–.10 10 3.5b 17 1-60
JMA I 18 13 53 04.9–.18 36.2N–.40 142.5E–.90 69 2.9 ¶610237667
IDC I 18 13 53 09.0–1.7 36.71N 141.85E 0 3.4b,3.3
ISC Event type ke.
JMA Event type ke. FAR E OFF KANTO .
IDC Error ellipse: s-maj=32.6km s-min=21.8km az=33.0.
ISC I 18 16 37 22.6–3.7 40.41N–.05 143.58E–.06 2–24 3.6b 39 1-60
IDC I 18 16 37 22.8–1.9 40.47N 143.64E 0 3.6,3.6b ¶610207621
JMA I 18 16 37 24.1–.24 40.4N–.50 143.6E–.90 13–3 3.7,3.6b
NIED I 18 16 37 24.1 40.41N 143.56E 13 3.8W,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=36.6km s-min=22.7km az=147.0.
JMA Event type ke. FAR E OFF SANRIKU .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; Mrr4.93 Mθθ1.08 Mφφ-6.01
Mrθ1.22 Mθφ0.90 Mφr0.52 NP1:φs9.00000°,δ49.00000°,λ113.00000°. NP2:φs156.00000°
,δ46.00000°,λ66.00000°. M0 5.73000×10^{14}
ISC I 24 08 38 44.5–3.0 40.38N–.05 143.26E–.05 4–19 4.2b 117 1-87
IDC I 24 08 38 43.9–.80 40.42N 143.26E 0 4.0b,3.9 ¶610105983
NIED I 24 08 38 44.8 40.30N 143.23E 11 4.0W,3.9
JMA I 24 08 38 44.8–.26 40.3N–.50 143.2E–.90 11–2 4.3,4.1
MOS I 24 08 38 47.0–.91 40.37N 143.28E 36 4.5b,4.1
NEIC I 24 08 38 50.0–1.2 40.43N–.07 143.15E–.08 36–9 4.3b,4.1
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; Mrr0.24 Mθθ0.10 Mφφ-0.34
Mrθ0.96 Mθφ-0.62 Mφr0.10 NP1:φs76.00000°,δ83.00000°,λ124.00000°. NP2:φs177.00000°
,δ35.00000°,λ12.00000°. M0 1.18000×10^{15}
JMA Event type ke. FAR E OFF SANRIKU .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 24 13 12 05.4–.45 40.33N–.05 143.29E–.04 10 4.6b,3.7s 229 1-141
IDC I 24 13 12 03.9–.64 40.30N 143.28E 0 4.2b,4.1 ¶611831639
JMA I 24 13 12 05.7–.28 40.3N–.60 143.2E–.90 12–3 4.6,4.4
NIED I 24 13 12 05.7 40.30N 143.20E 12 4.3W,4.4
BJI I 24 13 12 05.4–.00 40.36N 143.16E 18 4.9b,4.5s
MOS I 24 13 12 07.3–1.1 40.36N 143.23E 33 4.8b,4.5s
NEIC I 24 13 12 08.7–1.5 40.38N–.06 143.13E–.08 25–5 4.7b,4.5s
ISC Event type ke.
JMA Event type fe. FAR E OFF SANRIKU .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; Mrr-0.45 Mθθ1.34 Mφφ-0.89
Mrθ1.50 Mθφ-2.09 Mφr0.24 NP1:φs259.00000°,δ85.00000°,λ-146.00000°. NP2:φs165.00000°
,δ56.00000°,λ-6.00000°. M0 2.82000×10^{15}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 27 00 35 19.7–.83 37.94N–.06 144.14E–.07 35 3.7b 31 2-88
IDC I 27 00 35 14.5–.85 37.81N 144.39E 0 3.7,3.7L ¶610207637
JMA I 27 00 35 19.0–.21 38.0N–.80 144E–1.0 46 4.0,3.7L
NIED I 27 00 35 19.0 38.02N 144.11E 46 3.8W,3.7L
ISC Event type ke.
IDC Error ellipse: s-maj=26.7km s-min=17.3km az=116.0.
JMA Event type ke. FAR E OFF NORTH HONSHU .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; Mrr-4.22 Mθθ0.92 Mφφ3.30
Mrθ-1.36 Mθφ0.86 Mφr5.29 NP1:φs173.00000°,δ73.00000°,λ-101.00000°. NP2:φs27.00000°
,δ20.00000°,λ-58.00000°. M0 6.65000×10^{14}
JMA I 27 02 12 11.8–.27 38.8N–.90 144E–1.0 51 3.6
¶614117925
JMA Event type ke. FAR E OFF NORTH HONSHU .
ISC I 28 13 03 42.8–.97 39.74N–.06 144.69E–.07 35 3.5b 29 2-60
IDC I 28 13 03 37.7–1.4 39.53N 144.87E 0 3.3,3.3b ¶610235560
JMA I 28 13 03 42.6–.29 40N–1.0 145E–1.0 45 3.4,3.3b
ISC Event type ke.
JMA Event type ke. FAR E OFF NORTH HONSHU .
JMA II 02 22 39 09.3–.19 37.9N–.80 144.6E–1.0 48 3.6
¶614123857
JMA Event type ke. FAR E OFF NORTH HONSHU .
ISC II 03 19 13 05.9–.99 37.44N–.05 143.66E–.08 35 3.7b 40 2-69
IDC II 03 19 13 01.5–1.1 37.17N 144.06E 0 3.7,3.7b ¶610247220
JMA II 03 19 13 04.8–.22 37.5N–.60 144E–1.0 55 3.9,3.7b
NIED II 03 19 13 04.8 37.47N 143.58E 55 3.7W,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=27.1km s-min=20.6km az=79.0.
JMA Event type ke. FAR E OFF FUKUSHIMA PREF.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; Mrr-3.06 Mθθ-0.92 Mφφ3.98
Mrθ1.31 Mθφ1.38 Mφr1.42 NP1:φs212.00000°,δ60.00000°,λ-68.00000°. NP2:φs353.00000°
,δ36.00000°,λ-123.00000°. M0 4.24000×10^{14}
ISC II 06 01 46 53.4–1.2 36.68N–.05 142.21E–.09 19 3.6b 23 1-49
NIED II 06 01 46 52.0 36.72N 142.19E 13 3.6W ¶610247234
JMA II 06 01 46 52.0–.42 36.7N–.70 142E–1.0 13–4 3.5
IDC II 06 01 46 58.8–4.1 36.38N 142.14E 75–41 3.7,3.2b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; Mrr1.45 Mθθ0.48 Mφφ-1.93
Mrθ0.94 Mθφ-1.44 Mφr1.68 NP1:φs31.00000°,δ67.00000°,λ97.00000°. NP2:φs194.00000°
,δ24.00000°,λ75.00000°. M0 2.80000×10^{14}
JMA Event type ke. E OFF FUKUSHIMA PREF .
IDC Error ellipse: s-maj=34.7km s-min=19.6km az=60.0.
ISC II 06 11 58 08.1–.53 33.65N–.03 142.45E–.04 31–3 5.1b,4.2s 814 2-153
BJI II 06 11 58 03.3–.00 33.66N 142.43E 14 5.0b,4.7b ¶610198051
IDC II 06 11 58 03.2–.43 33.69N 142.47E 0 4.8,4.8b
GCMT II 06 11 58 06.7–.40 33.57N–.03 142.54E–.03 18–1 4.9W,4.8b

NEIC II 06 11 58 06.7–1.3 33.64N–.07 142.47E–.09 17–3 5.0b,4.8b
JMA II 06 11 58 07.3–.34 33.6N–.80 142E–2.0 66 4.8W,4.8
MOS II 06 11 58 07.0–1.0 34.06N 142.33E 19 5.4b,4.0s
NIED II 06 11 58 07.3 33.63N 142.35E 66 4.7W,4.0s
ISC Event type ke.
IDC Error ellipse: s-maj=11.8km s-min=11.0km az=85.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s15,c15; s76,c120;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.11±.25 $M_{\theta\theta}$-0.58±.14; $M_{\phi\phi}$2.69±.16; $M_{r\theta}$-0.16±.38; $M_{\theta\phi}$0.86±.08; $M_{\phi r}$0.33±.26; Best double couple: NP1:ϕ_s185.00000°,δ49.00000°,λ-103.00000°. NP2:ϕ_s24.00000°,δ43.00000°,λ-76.00000°. Principal axes: T 2.9200,Plg3.0000° ,Azm284.0000°; N -0.7510,Plg10.0000°,Azm193.0000°; P -2.1670,Plg80.0000° ,Azm32.0000° $M_0$2.54300×10^{16}
NEIC Event type se. Error ellipse: s-maj=11.6km s-min=9.5km az=111.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. FAR E OFF CENTRAL HONSHU.
MOS Error ellipse: s-maj=7.3km s-min=3.7km az=114.2.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.72 $M_{\theta\theta}$-0.08 $M_{\phi\phi}$0.80 $M_{r\theta}$-0.79 $M_{\theta\phi}$0.52 $M_{\phi r}$0.51 NP1:ϕ_s171.00000°,δ62.00000°,λ-135.00000°. NP2:ϕ_s55.00000° ,δ51.00000°,λ-37.00000°. $M_0$1.26000×10^{16}
ISC II 07 00 48 24.1–1.6 34.5N–.10 141.9E–.20 21 3.5b 14 1-58
JMA II 07 00 48 21.6–.63 34N–2.0 142E–3.0 34–4 3.0 **¶610414997**
IDC II 07 00 48 22.2–6.2 34.26N 141.57E 0 3.4b,3.3s
ISC Event type ke.
JMA Event type ke. FAR E OFF CENTRAL HONSHU.
IDC Error ellipse: s-maj=225.6km s-min=24.2km az=65.0.
ISC II 08 23 06 01.2–1.1 39.09N–.06 144.49E–.08 50 3.4b 37 2-59
NIED II 08 23 06 00.9 39.15N 144.35E 45 3.6W **¶610247238**
JMA II 08 23 06 00.9–.21 39.2N–.90 144E–1.0 45 3.6
IDC II 08 23 06 02.2–3.5 38.90N 144.47E 48–32 3.5,3.3L
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-2.55 $M_{\theta\theta}$0.41 $M_{\phi\phi}$2.14 $M_{r\theta}$-1.30 $M_{\theta\phi}$-0.16 $M_{\phi r}$1.97 NP1:ϕ_s156.00000°,δ68.00000°,λ-101.00000°. NP2:ϕ_s4.00000° ,δ25.00000°,λ-65.00000°. $M_0$3.31000×10^{14}
JMA Event type ke. FAR E OFF NORTH HONSHU .
IDC Error ellipse: s-maj=38.9km s-min=26.6km az=107.0.
ISC II 11 17 48 06.8–2.9 37.30N–.08 142.2E–.10 20–15 24 1-74
JMA II 11 17 48 06.9–.24 37.3N–.50 142.2E–.90 32–4 3.3 **¶610415326**
IDC II 11 17 48 15.2–2.8 37.08N 141.44E 0 3.3s,3.3b
ISC Event type ke.
JMA Event type ke. E OFF FUKUSHIMA PREF .
IDC Error ellipse: s-maj=53.5km s-min=37.7km az=27.0.
ISC II 12 03 41 50.4–.66 36.97N–.05 143.44E–.07 35 4.1b 91 2-89
IDC II 12 03 41 44.9–.71 36.85N 143.56E 0 4.0,4.0b **¶610243797**
JMA II 12 03 41 49.9–.24 37.0N–.70 143E–1.0 59 4.7,4.0b
NIED II 12 03 41 49.9 37.00N 143.34E 59 4.0W,4.0b
NEIC II 12 03 41 51.2–1.7 37.05N–.09 143.4E–.10 33–8 4.3b,4.0b
ISC Event type ke.
JMA Event type ke. FAR E OFF FUKUSHIMA PREF.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.13 $M_{\theta\theta}$-0.55 $M_{\phi\phi}$0.68 $M_{r\theta}$-0.46 $M_{\theta\phi}$0.99 $M_{\phi r}$-0.44 NP1:ϕ_s254.00000°,δ84.00000°,λ24.00000°. NP2:ϕ_s162.00000° ,δ66.00000°,λ174.00000°. $M_0$1.31000×10^{15}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA II 14 15 01 48.4–.21 37.8N–.80 145E–1.0 45 3.6
¶614133964
JMA Event type ke. FAR E OFF NORTH HONSHU .
ISC II 15 12 02 55.5–.71 39.50N–.06 143.47E–.08 11 3.9b 57 1-87
JMA II 15 12 02 53.9–.19 39.5N–.60 143.7E–1.0 33 3.8 **¶610247247**
NIED II 15 12 02 53.9 39.49N 143.69E 33 3.8W
IDC II 15 12 02 53.8–1.1 39.45N 143.36E 0 3.8,3.7b
NEIC II 15 12 02 56.3–1.2 39.45N–.07 143.60E–.10 18–6 4.1b,3.7b
ISC Event type ke.
JMA Event type ke. FAR E OFF SANRIKU .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}4.49 $M_{\theta\theta}$-0.35 $M_{\phi\phi}$-4.14 $M_{r\theta}$2.11 $M_{\theta\phi}$-1.41 $M_{\phi r}$2.26 NP1:ϕ_s32.00000°,δ62.00000°,λ103.00000°. NP2:ϕ_s186.00000° ,δ30.00000°,λ67.00000°. $M_0$5.50000×10^{14}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 18 21 41 52.1–1.5 33.06N–.09 141.6E–.10 41 3.4b 11 2-57
JMA II 18 21 41 49.5–.48 33N–1.0 142E–2.0 61 3.2 **¶610415780**
IDC II 18 21 41 49.7–2.3 32.74N 140.74E 0 3.4,3.4b
ISC Event type ke.
JMA Event type ke. E OFF HACHIJOJIMA ISLAND.
IDC Error ellipse: s-maj=77.0km s-min=23.0km az=70.0.
ISC II 23 23 54 51.0–.82 39.87N–.04 143.31E–.04 31–4 4.4b,3.8s 171 1-95
JMA II 23 23 54 48.5–.24 39.9N–.50 143.3E–1.0 17–3 4.5,4.4 **¶610240048**
BJI II 23 23 54 48.9–.00 39.94N 142.91E 12 4.8b,4.6b
MOS II 23 23 54 48.6–1.1 39.87N 143.34E 27 4.6b,4.6b
NIED II 23 23 54 48.5 39.94N 143.32E 17 4.3W,4.6b
NEIC II 23 23 54 51.7–1.8 39.90N–.07 143.1E–.10 27–7 4.5b,4.6b
IDC II 23 23 54 52.8–2.1 39.85N 143.31E 46–17 4.0,3.8b
ISC Event type ke.
JMA Event type ke. FAR E OFF SANRIKU .
MOS Error ellipse: s-maj=8.3km s-min=5.1km az=100.5.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}1.22 $M_{\theta\theta}$0.29 $M_{\phi\phi}$-1.50 $M_{r\theta}$1.47 $M_{\theta\phi}$-0.75 $M_{\phi r}$1.97 NP1:ϕ_s36.00000°,δ75.00000°,λ102.00000°. NP2:ϕ_s176.00000° ,δ19.00000°,λ52.00000°. $M_0$2.89000×10^{15}
NEIC Event type se. Error ellipse: s-maj=14.7km s-min=8.4km az=118.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=18.3km s-min=11.9km az=115.0.
ISC II 24 12 35 34.3–2.7 36.92N–.05 142.03E–.06 1–17 3.7b 39 1-90
IDC II 24 12 35 34.4–.84 36.92N 142.06E 0 4.2s,3.7 **¶610247263**
NIED II 24 12 35 37.6 36.96N 141.98E 44 3.8W,3.7
JMA II 24 12 35 37.6–.24 37.0N–.60 142E–1.0 44 3.8,3.7
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-5.30 $M_{\theta\theta}$3.01 $M_{\phi\phi}$2.29 $M_{r\theta}$-0.35 $M_{\theta\phi}$-1.74 $M_{\phi r}$4.04 NP1:ϕ_s154.00000°,δ64.00000°,λ-73.00000°. NP2:ϕ_s298.00000° ,δ31.00000°,λ-122.00000°. $M_0$6.20000×10^{14}
JMA Event type ke. E OFF FUKUSHIMA PREF .
ISC II 25 00 34 35.9–4.4 37.38N–.05 143.57E–.06 16–27 3.8b 57 2-89
IDC II 25 00 34 33.0–.78 37.18N 143.66E 0 3.9,3.8b **¶610247266**
JMA II 25 00 34 37.8–.24 37.4N–.70 144E–1.0 56 4.2,3.8b
NIED II 25 00 34 37.8 37.38N 143.52E 56 3.8W,3.8b
ISC Event type ke.
IDC Error ellipse: s-maj=20.1km s-min=15.0km az=137.0.
JMA Event type ke. FAR E OFF FUKUSHIMA PREF.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-4.52 $M_{\theta\theta}$1.96 $M_{\phi\phi}$2.56 $M_{r\theta}$3.15 $M_{\theta\phi}$3.03 $M_{\phi r}$-0.84 NP1:ϕ_s249.00000°,δ60.00000°,λ-59.00000°. NP2:ϕ_s18.00000° ,δ42.00000°,λ-132.00000°. $M_0$5.91000×10^{14}
ISC II 25 10 05 03.5–1.3 40.54N–.05 143.95E–.07 16 3.4b 36 2-66
IDC II 25 10 05 03.8–8.2 40.67N 143.70E 0 3.6b,3.4s **¶610384993**
JMA II 25 10 05 05.2–.21 40.5N–.60 144E–1.0 38 3.1,3.4s
ISC Event type ke.
JMA Event type ke. FAR E OFF SANRIKU .
ISC II 26 05 39 04.2–.74 39.90N–.06 143.67E–.07 35 3.6b 35 1-87
IDC II 26 05 38 58.9–1.1 39.86N 143.74E 0 3.6,3.6b **¶610241385**
NIED II 26 05 39 01.4 39.92N 143.68E 28 3.8W,3.6b
JMA II 26 05 39 01.4–.31 39.9N–.80 144E–2.0 28 3.8,3.6b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}4.37 $M_{\theta\theta}$2.22 $M_{\phi\phi}$-6.58 $M_{r\theta}$1.10 $M_{\theta\phi}$-2.02 $M_{\phi r}$1.82 NP1:ϕ_s27.00000°,δ57.00000°,λ110.00000°. NP2:ϕ_s174.00000° ,δ38.00000°,λ63.00000°. $M_0$6.14000×10^{14}
JMA Event type ke. FAR E OFF SANRIKU .
ISC II 27 02 17 34.2–.62 39.35N–.04 143.66E–.04 10–3 4.8b,4.2s 670 1-154
JMA II 27 02 17 29.7–.23 39.3N–.70 144E–1.0 10 4.9,4.5W **¶611831908**
NIED II 27 02 17 29.7 39.33N 143.97E 10 4.7W,4.5W
IDC II 27 02 17 33.0–.49 39.27N 143.57E 0 4.6,4.6b
BJI II 27 02 17 33.0–.00 39.40N 143.60E 10 5.0b,4.9b
NEIC II 27 02 17 34.4–1.2 39.36N–.06 143.5E–.10 10–4 4.8b,4.9b
MOS II 27 02 17 35.1–1.1 39.45N 143.53E 22 5.0b,4.9b
GCMT II 27 02 17 38.4–.60 39.37N–.05 143.80E–.05 24–1 4.8W,4.9b
ISC Event type ke. Moment Tensor Solution. NP1:ϕ_s208.84100°,δ28.09040°,λ78.52987°. NP2: ϕ_s41.79390°,δ62.51863°,λ96.05852°. Principal axes: T Plg71.8263°,Azm325.6379° ; N Plg5.3727°,Azm218.9899°; P Plg17.3082°,Azm127.3105° Moment Tensor Solution. NP1: ϕ_s165.60014°,δ25.94678°,λ97.97879°. NP2:ϕ_s336.74042°,δ64.32279°,λ86.13606°. Principal axes: T Plg70.4279°,Azm238.5628°; N Plg3.4819°,Azm338.4167°; P Plg19.2349° ,Azm69.6332°
JMA Event type fe. FAR E OFF SANRIKU .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}0.95 $M_{\theta\theta}$0.14 $M_{\phi\phi}$-1.09 $M_{r\theta}$0.06 $M_{\theta\phi}$-0.29 $M_{\phi r}$0.28 NP1:ϕ_s12.00000°,δ53.00000°,λ90.00000°. NP2:ϕ_s193.00000° ,δ37.00000°,λ91.00000°. $M_0$1.09000×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s13,c13; s69,c88;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.68±.19 $M_{\theta\theta}$-0.33±.11; $M_{\phi\phi}$-1.34±.11; $M_{r\theta}$0.42±.17; $M_{\theta\phi}$-0.32±.06; $M_{\phi r}$0.99±.12; Best double couple: NP1:ϕ_s20.00000°,δ62.00000°,λ93.00000°. NP2:ϕ_s194.00000°,δ28.00000°,λ85.00000°. Principal axes: T 2.0160,Plg73.0000° ,Azm296.0000°; N -0.2490,Plg3.0000°,Azm198.0000°; P -1.7610,Plg17.0000° ,Azm108.0000° $M_0$1.88800×10^{16}
ISC II 27 03 40 22.5–.00 39.50N–.06 143.51E–.07 11 3.9b 32 1-75
JMA II 27 03 40 19.9–.21 39.5N–.60 144E–1.0 25 4.0 **¶610247270**
NIED II 27 03 40 19.9 39.46N 143.76E 25 3.7W
IDC II 27 03 40 27.1–3.3 39.49N 143.39E 43–23 3.8,3.6b
ISC Event type ke.
JMA Event type ke. FAR E OFF SANRIKU .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}3.60 $M_{\theta\theta}$0.58 $M_{\phi\phi}$-4.19 $M_{r\theta}$0.84 $M_{\theta\phi}$-1.56 $M_{\phi r}$1.17 NP1:ϕ_s25.00000°,δ55.00000°,λ101.00000°. NP2:ϕ_s187.00000° ,δ37.00000°,λ75.00000°. $M_0$4.39000×10^{14}
IDC Error ellipse: s-maj=34.8km s-min=18.8km az=121.0.
ISC II 27 03 47 46.0–1.6 39.52N–.07 143.5E–.10 11 3.4b 25 1-46
JMA II 27 03 47 41.4–.22 39.4N–.70 144E–1.0 11 3.6 **¶610247269**
NIED II 27 03 47 41.4 39.35N 143.88E 11 3.4W
IDC II 27 03 47 48.7–5.5 39.69N 142.88E 0 3.5b,3.4
ISC Event type ke.
JMA Event type ke. FAR E OFF SANRIKU .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}1.16 $M_{\theta\theta}$0.29 $M_{\phi\phi}$-1.45 $M_{r\theta}$-0.20 $M_{\theta\phi}$-0.48 $M_{\phi r}$0.66 NP1:ϕ_s357.00000°,δ59.00000°,λ68.00000°. NP2:ϕ_s215.00000° ,δ37.00000°,λ122.00000°. $M_0$1.55000×10^{14}
IDC Error ellipse: s-maj=96.1km s-min=31.5km az=110.0.
JMA II 27 15 47 24.5–.24 37.6N–.70 144E–1.0 54 3.6
¶614144429
JMA Event type ke. FAR E OFF NORTH HONSHU .
ISC II 27 17 52 13.6–.52 39.41N–.05 143.64E–.06 11 4.4b,3.6s 134 1-148
BJI II 27 17 52 08.7–.00 39.39N 143.89E 5 4.8b,4.6b **¶610241789**
JMA II 27 17 52 10.1–.26 39.4N–.80 144E–1.0 12 4.8,4.5
NIED II 27 17 52 10.1 39.35N 143.89E 12 4.3W,4.5
IDC II 27 17 52 11.8–.60 39.28N 143.65E 0 4.1,4.0b
NEIC II 27 17 52 16.2–1.4 39.42N–.06 143.5E–.10 18–4 4.5b,4.0b
ISC Event type ke.
JMA Event type ke. FAR E OFF SANRIKU .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}2.48 $M_{\theta\theta}$0.23 $M_{\phi\phi}$-2.71 $M_{r\theta}$0.06 $M_{\theta\phi}$-0.67 $M_{\phi r}$0.56 NP1:ϕ_s11.00000°,δ51.00000°,λ88.00000°. NP2:ϕ_s194.00000° ,δ39.00000°,λ92.00000°. $M_0$2.73000×10^{15}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 28 01 39 43.2–.69 39.17N–.07 143.98E–.09 23 4.4b 44 2-80
IDC II 28 01 39 39.6–4.8 39.09N 144.28E 0 3.8b,3.7 **¶610247271**
JMA II 28 01 39 42.1–.28 39.2N–1.0 144E–1.0 14 3.9,3.7
NIED II 28 01 39 42.1 39.21N 143.82E 14 3.8W,3.7
NEIC II 28 01 39 43.5–1.9 39.20N–.08 144.0E–.10 25–4 4.7b,3.7
ISC Event type ke.
JMA Event type ke. FAR E OFF SANRIKU .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}4.27 $M_{\theta\theta}$0.60 $M_{\phi\phi}$-4.87 $M_{r\theta}$0.82 $M_{\theta\phi}$-1.97 $M_{\phi r}$1.56 NP1:ϕ_s23.00000°,δ55.00000°,λ96.00000°. NP2:ϕ_s192.00000° ,δ35.00000°,λ81.00000°. $M_0$5.20000×10^{14}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 28 01 50 06.2–.49 39.33N–.05 143.55E–.05 11 4.7b,4.1s 214 1-87
JMA II 28 01 50 02.0–.22 39.2N–.70 144E–1.0 8 4.6,4.5W **¶610241795**
NIED II 28 01 50 02.0 39.23N 143.85E 8 4.5W,4.5W
BJI II 28 01 50 03.5–.00 39.30N 143.62E 11 4.9b,4.8b
IDC II 28 01 50 04.5–.67 39.26N 143.64E 0 4.3,4.3b
NEIC II 28 01 50 08.9–1.3 39.29N–.07 143.5E–.10 25–6 4.8b,4.3b
ISC Event type ke.
JMA Event type ke. FAR E OFF SANRIKU .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}4.93 $M_{\theta\theta}$0.54 $M_{\phi\phi}$-5.47 $M_{r\theta}$0.77 $M_{\theta\phi}$-2.35 $M_{\phi r}$1.84 NP1:ϕ_s21.00000°,δ55.00000°,λ92.00000°. NP2:ϕ_s197.00000° ,δ35.00000°,λ87.00000°. $M_0$5.94000×10^{15}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 28 08 08 27.8–.50 36.78N–.04 142.19E–.05 35 4.6b,4.3s 134 1-90
IDC II 28 08 08 21.6–.65 36.56N 142.16E 0 4.3,4.3b **¶610241804**
BJI II 28 08 08 22.4–.00 36.67N 142.45E 27 5.3b,4.8b
NIED II 28 08 08 23.8 36.75N 142.23E 22 4.5W,4.8b
JMA II 28 08 08 23.8–.44 36.8N–.70 142E–2.0 22–4 4.6W,4.6
NEIC II 28 08 08 27.7–1.9 36.94N–.06 142.1E–.10 24–6 4.8b,4.6
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}4.77 $M_{\theta\theta}$-1.07 $M_{\phi\phi}$-3.70 $M_{r\theta}$2.00 $M_{\theta\phi}$-1.64 $M_{\phi r}$5.04 NP1:ϕ_s23.00000°,δ70.00000°,λ88.00000°. NP2:ϕ_s208.00000° ,δ20.00000°,λ95.00000°. $M_0$7.13000×10^{15}
JMA Event type fe. E OFF FUKUSHIMA PREF .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 01 14 45 13.0–1.5 34.67N–.06 141.4E–.10 35 17 0-58
JMA III 01 14 45 08.8–.37 35N–1.0 142E–2.0 44–2 2.8 **¶610545327**
IDC III 01 14 45 16.6–1.4 33.81N 138.13E 0 3.6,3.6b
ISC Event type ke.
JMA Event type ke. FAR SE OFF BOSO PEN .
IDC Error ellipse: s-maj=29.6km s-min=22.2km az=76.0.
ISC III 01 15 38 32.4–1.6 34.70N–.06 141.5E–.10 35 19 0-58
JMA III 01 15 38 28.1–.46 35N–1.0 142E–2.0 43–2 2.7 **¶610545331**
IDC III 01 15 38 35.8–1.7 33.84N 138.01E 0 3.5,3.5b
ISC Event type ke.
JMA Event type ke. FAR SE OFF BOSO PEN .
IDC Error ellipse: s-maj=31.9km s-min=27.6km az=64.0.
ISC III 03 19 19 55.5–1.6 36.73N–.05 142.17E–.08 19 24 1-57
JMA III 03 19 19 54.9–.25 36.7N–.60 142E–1.0 34 2.9 **¶614148062**
IDC III 03 19 19 56.9–2.8 37.27N 141.89E 0 3.2b,3.1
ISC Event type ke.
JMA Event type ke. E OFF FUKUSHIMA PREF .
IDC Error ellipse: s-maj=51.7km s-min=38.7km az=34.0.
ISC III 05 03 37 31.8–4.1 40.14N–.06 143.35E–.08 17–27 3.5b 26 1-76
IDC III 05 03 37 28.6–2.5 40.15N 143.60E 0 3.6,3.6b **¶610545568**
JMA III 05 03 37 33.1–.26 40.2N–.50 143.2E–.90 20–3 3.6,3.6b
ISC Event type ke.
JMA Event type ke. FAR E OFF SANRIKU .
ISC III 05 18 19 51.1–1.5 37.32N–.06 142.12E–.08 24 20 1-61
JMA III 05 18 19 51.0–.23 37.3N–.60 142E–1.0 36 3.1 **¶610545601**
IDC III 05 18 19 51.9–3.7 36.62N 142.14E 0 3.3b,3.2
ISC Event type ke.
JMA Event type ke. E OFF FUKUSHIMA PREF .
IDC Error ellipse: s-maj=70.9km s-min=33.7km az=30.0.
ISC III 06 16 17 21.9–.42 39.89N–.04 143.29E–.04 10 4.6b,4.0s 225 1-95
IDC III 06 16 17 20.6–.59 39.87N 143.31E 0 4.1,4.1b **¶610246848**
NIED III 06 16 17 22.8 39.97N 143.21E 13 4.4W,4.1b
JMA III 06 16 17 22.8–.33 40.0N–.60 143E–1.0 13–2 4.6,4.4
MOS III 06 16 17 23.3–.78 39.92N 143.22E 27 4.7b,4.4
BJI III 06 16 17 23.2–.00 39.82N 143.21E 32 4.8b,4.5b

NEIC III 06 16 17 25.8–.94 39.87N–.06 143.2E–.10 32–6 4.6b,4.5b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}2.53 $M_{\theta\theta}$0.41 $M_{\phi\phi}$-2.93 $M_{r\theta}$1.81 $M_{\theta\phi}$-1.10 $M_{\phi r}$3.13 NP1:ϕ_s28.00000°,δ71.00000°,λ100.00000°. NP2:ϕ_s181.00000°,δ21.00000°,λ64.00000°. $M_0$4.65000×10^{15}
JMA Event type fe. FAR E OFF SANRIKU .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 07 19 51 54.0–.46 39.84N–.04 143.18E–.04 27–2 4.8b,4.2s 469 1-95
MOS III 07 19 51 50.7–.94 39.86N 143.17E 15 5.0b,4.3s **¶611831984**
NIED III 07 19 51 51.6 39.95N 143.23E 16 4.6W,4.3s
JMA III 07 19 51 51.6–.23 40.0N–.50 143.2E–.90 16–2 4.7W,4.6
BJI III 07 19 51 53.2–.00 39.79N 142.95E 27 4.9b,4.8b
BGR III 07 19 51 54.5 39.63N 143.70E 33 4.8b,4.2s
NEIC III 07 19 51 54.5–1.4 39.85N–.06 143.1E–.10 27–5 4.7b,4.2s
IDC III 07 19 51 56.0–2.7 39.89N 143.15E 36–21 4.4,4.2b
ISC Event type ke. Moment Tensor Solution. NP1:ϕ_s157.42578°,δ38.76701°,λ19.97400°. NP2: ϕ_s51.60377°,δ77.64955°,λ127.04428°. Principal axes: T Plg44.6339°,Azm358.3748° ; N Plg36.0500°,Azm222.4332°; P Plg23.5836°,Azm113.9061°
MOS Error ellipse: s-maj=6.2km s-min=3.8km az=107.0.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}3.94 $M_{\theta\theta}$0.80 $M_{\phi\phi}$-4.74 $M_{r\theta}$3.54 $M_{\theta\phi}$-2.08 $M_{\phi r}$6.19 NP1:ϕ_s29.00000°,δ74.00000°,λ98.00000°. NP2:ϕ_s182.00000°,δ18.00000°,λ64.00000°. $M_0$8.56000×10^{15}
JMA Event type fe. FAR E OFF SANRIKU .
BGR Event type ke.
NEIC Event type se. Error ellipse: s-maj=12.6km s-min=6.7km az=116.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=15.5km s-min=11.1km az=109.0.
ISC III 08 15 18 38.9–1.8 33.80N–.04 141.78E–.06 20–8 4.3b 108 1-79
NEIC III 08 15 18 38.2–1.9 33.82N–.07 141.78E–.08 10–1 4.4b **¶610470931**
JMA III 08 15 18 41.6–.25 33.9N–.60 142E–1.0 60–3 4.1
NIED III 08 15 18 41.6 33.87N 141.71E 60 4.1W
IDC III 08 15 18 42.2–2.0 33.77N 141.74E 45–19 4.0,3.7b
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=9.5km az=128.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. FAR SE OFF BOSO PEN .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-1.20 $M_{\theta\theta}$0.93 $M_{\phi\phi}$0.27 $M_{r\theta}$-0.12 $M_{\theta\phi}$-0.84 $M_{\phi r}$0.87 NP1:ϕ_s148.00000°,δ62.00000°,λ-62.00000°. NP2:ϕ_s280.00000°,δ39.00000°,λ-131.00000°. $M_0$1.63000×10^{15}
IDC Error ellipse: s-maj=17.0km s-min=10.8km az=104.0.
ISC III 08 19 37 22.2–.65 40.01N–.05 144.92E–.07 32 3.8b,3.3s 60 2-86
IDC III 08 19 37 17.5–.68 39.96N 145.04E 0 3.8,3.7b **¶610470933**
NIED III 08 19 37 21.5 40.07N 144.84E 44 4.0W,3.7b
JMA III 08 19 37 21.5–.28 40.1N–.80 145E–1.0 44 4.1,3.7b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-1.07 $M_{\theta\theta}$0.26 $M_{\phi\phi}$0.80 $M_{r\theta}$0.41 $M_{\theta\phi}$0.22 $M_{\phi r}$0.20 NP1:ϕ_s214.00000°,δ56.00000°,λ-75.00000°. NP2:ϕ_s9.00000°,δ37.00000°,λ-110.00000°. $M_0$1.06000×10^{15}
JMA Event type ke. FAR E OFF NORTH HONSHU .
ISC III 08 22 47 55.6–2.0 40.81N–.05 143.21E–.08 28–13 3.7b 32 1-72
JMA III 08 22 47 54.0–.18 40.7N–.50 143E–1.0 16 3.7 **¶610470934**
NIED III 08 22 47 54.0 40.74N 143.31E 16 3.7W
IDC III 08 22 47 58.5–3.0 40.90N 143.05E 45–22 3.6,3.4b
ISC Event type ke.
JMA Event type ke. E OFF AOMORI PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}3.07 $M_{\theta\theta}$-0.39 $M_{\phi\phi}$-2.69 $M_{r\theta}$-0.50 $M_{\theta\phi}$-1.61 $M_{\phi r}$1.15 NP1:ϕ_s10.00000°,δ54.00000°,λ68.00000°. NP2:ϕ_s225.00000°,δ41.00000°,λ117.00000°. $M_0$3.55000×10^{14}
IDC Error ellipse: s-maj=33.2km s-min=17.7km az=116.0.
ISC III 10 05 24 52.3–.53 39.89N–.04 143.14E–.05 25–2 4.7b,4.0s 335 1-95
JMA III 10 05 24 49.5–.31 39.9N–.60 143E–1.0 16–2 4.6,4.4W **¶610316864**
NIED III 10 05 24 49.5 39.94N 143.24E 16 4.4W,4.4W
BJI III 10 05 24 49.5–.00 39.78N 143.08E 21 4.7b,4.6b
MOS III 10 05 24 49.6–.93 39.87N 143.19E 20 4.8b,4.0s
NEIC III 10 05 24 52.9–1.1 39.86N–.05 143.08E–.09 24–5 4.7b,4.4
IDC III 10 05 24 53.8–.71 39.84N 143.12E 34–4 4.4,4.2b
NEIC III 10 05 24 54.6 39.88N 143.03E 35 4.4,4.2b
ISC Event type ke.
JMA Event type fe. FAR E OFF SANRIKU .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}1.93 $M_{\theta\theta}$0.48 $M_{\phi\phi}$-2.41 $M_{r\theta}$1.97 $M_{\theta\phi}$-1.00 $M_{\phi r}$3.73 NP1:ϕ_s28.00000°,δ76.00000°,λ97.00000°. NP2:ϕ_s180.00000°,δ16.00000°,λ63.00000°. $M_0$4.83000×10^{15}
MOS Error ellipse: s-maj=7.1km s-min=4.1km az=110.6.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=7.5km az=110.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}0.65 $M_{\theta\theta}$-2.77 $M_{\phi\phi}$2.12 $M_{r\theta}$1.43 $M_{\theta\phi}$-1.55 $M_{\phi r}$2.90 NP1:ϕ_s31.94000°,δ84.21000°,λ48.59000°. NP2:ϕ_s295.41000°,δ41.74000°,λ171.28000°. Principal axes: T 4.3906,Plg37.0000°,Azm266.0000°; N -0.0309,Plg41.0000°,Azm37.0000°; P -4.3598,Plg27.0000°,Azm154.0000° $M_0$4.38000×10^{15}
IDC Error ellipse: s-maj=14.1km s-min=11.8km az=119.0.
NEIC Event type se.
ISC III 10 08 31 37.3–1.4 36.29N–.05 142.28E–.09 35 3.3b 20 1-56
IDC III 10 08 31 34.0–2.5 35.89N 142.18E 0 3.4b,3.3 **¶610545942**
JMA III 10 08 31 35.2–.20 36.3N–.40 142E–1.0 71 2.8,3.3
ISC Event type ke.
JMA Event type ke. FAR E OFF IBARAKI PREF .
ISC III 11 06 36 46.9–.84 40.05N–.05 144.89E–.07 32 3.5b 40 2-86
IDC III 11 06 36 41.5–1.0 39.92N 145.12E 0 3.6,3.5b **¶610546001**
JMA III 11 06 36 45.6–.27 40.1N–.80 145E–1.0 45 3.4,3.5b
ISC Event type ke.
JMA Event type ke. FAR E OFF NORTH HONSHU .
ISC III 12 10 34 12.0–2.1 37.99N–.06 142.42E–.08 16–12 3.4b 30 1-58
IDC III 12 10 34 09.7–2.1 38.09N 142.63E 0 3.5b,3.3s **¶614155976**
JMA III 12 10 34 13.2–.21 37.9N–.50 142.4E–1.0 34–2 3.5,3.3s
ISC Event type ke.
JMA Event type ke. SE OFF MIYAGI PREF .
ISC III 12 16 47 20.0–.46 40.86N–.04 143.32E–.05 31 4.2b,3.5s 173 1-94
IDC III 12 16 47 15.8–.74 40.84N 143.23E 0 3.9,3.9b **¶610325681**
MOS III 12 16 47 17.8–1.2 40.88N 143.23E 29 4.4b,3.9b
NIED III 12 16 47 18.9 40.83N 143.32E 33 4.1W,3.9b
JMA III 12 16 47 18.9–.12 40.8N–.60 143.3E–.80 33 3.9,3.9b
NEIC III 12 16 47 22.5–1.8 41.00N–.06 143.2E–.10 36–8 4.2b,3.9b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.84 $M_{\theta\theta}$0.39 $M_{\phi\phi}$-1.23 $M_{r\theta}$0.76 $M_{\theta\phi}$-0.57 $M_{\phi r}$0.80 NP1:ϕ_s41.00000°,δ70.00000°,λ115.00000°. NP2:ϕ_s166.00000°,δ32.00000°,λ40.00000°. $M_0$1.62000×10^{15}
JMA Event type ke. E OFF AOMORI PREF .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 13 01 11 22.9–1.3 37.74N–.04 142.07E–.08 24 3.8b 41 1-44
IDC III 13 01 11 18.8–3.7 37.77N 142.36E 0 3.9,3.9b **¶610470952**
JMA III 13 01 11 23.2–.17 37.7N–.40 142.1E–.80 34–2 3.9,3.9b
NIED III 13 01 11 23.2 37.73N 142.10E 34 3.6W,3.9b
ISC Event type ke.
IDC Error ellipse: s-maj=64.7km s-min=28.0km az=114.0.
JMA Event type ke. SE OFF MIYAGI PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-0.60 $M_{\theta\theta}$-0.39 $M_{\phi\phi}$0.99 $M_{r\theta}$-0.48 $M_{\theta\phi}$-1.20 $M_{\phi r}$-2.51 NP1:ϕ_s8.00000°,δ83.00000°,λ-63.00000°. NP2:ϕ_s111.00000°,δ28.00000°,λ-166.00000°. $M_0$2.95000×10^{14}
ISC III 13 06 25 37.0–.59 40.26N–.04 143.56E–.04 13–3 4.6b,4.3s 303 1-95
BJI III 13 06 25 35.9–.00 40.31N 143.41E 8 4.9b,4.6b **¶611832042**
NIED III 13 06 25 37.8 40.29N 143.48E 14 4.7W,4.6b
JMA III 13 06 25 37.8–.30 40.3N–.60 143E–1.0 14–3 4.7W,4.7
MOS III 13 06 25 38.7–1.2 40.31N 143.42E 28 4.8b,4.1s
NEIC III 13 06 25 40.5–2.0 40.22N–.06 143.6E–.10 35–2 4.6b,4.6
NEIC III 13 06 25 40.5 40.22N 143.59E 35 4.6b,4.6
IDC III 13 06 25 41.0–4.0 40.24N 143.43E 31–29 4.2,4.1s
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}0.79 $M_{\theta\theta}$0.19 $M_{\phi\phi}$-0.97 $M_{r\theta}$0.47 $M_{\theta\phi}$-0.41 $M_{\phi r}$0.71 NP1:ϕ_s31.00000°,δ67.00000°,λ104.00000°. NP2:ϕ_s179.00000°,δ27.00000°,λ61.00000°. $M_0$1.28000×10^{16}
JMA Event type fe. FAR E OFF SANRIKU .
MOS Error ellipse: s-maj=7.3km s-min=4.6km az=101.4.
NEIC Event type se. Error ellipse: s-maj=13.5km s-min=9.0km az=111.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.53 $M_{\theta\theta}$0.36 $M_{\phi\phi}$-0.89 $M_{r\theta}$0.23 $M_{\theta\phi}$0.20 $M_{\phi r}$0.66 NP1:ϕ_s16.72000°,δ70.80000°,λ118.01000°. NP2:ϕ_s138.44000°,δ33.51000°,λ36.56000°. Principal axes: T 0.9358,Plg55.0000°,Azm322.0000°; N 0.2240,Plg26.0000°,Azm187.0000°; P -1.1598,Plg21.0000°,Azm86.0000° $M_0$1.07000×10^{16}
NEIC Event type se.
IDC Error ellipse: s-maj=14.5km s-min=11.4km az=122.0.
JMA III 14 03 55 44.4–.28 37.9N–.50 142E–1.0 32 1.8 ¶614157573
JMA Event type ke. SE OFF MIYAGI PREF .
ISC III 14 18 48 11.5–2.5 36.30N–.04 142.31E–.09 0–14 3.8b 30 1-56
IDC III 14 18 48 12.4–1.9 36.26N 142.36E 0 3.7,3.7b **¶610546212**
JMA III 14 18 48 15.5–.20 36.3N–.40 142E–1.0 53 3.2,3.7b
ISC Event type ke.
JMA Event type ke. FAR E OFF IBARAKI PREF .
ISC III 14 21 30 41.1–.68 40.09N–.05 144.94E–.07 32 4.0b 78 2-74
IDC III 14 21 30 35.9–.94 39.98N 145.15E 0 3.8,3.7b **¶610470960**
NEIC III 14 21 30 38.5–1.5 40.05N–.05 145.0E–.10 10–1 4.0b,3.7b
NIED III 14 21 30 40.1 40.11N 144.84E 44 3.7W,3.7b
JMA III 14 21 30 40.1–.29 40.1N–.90 145E–2.0 44 4.1,3.7b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-3.81 $M_{\theta\theta}$-0.25 $M_{\phi\phi}$4.06 $M_{r\theta}$0.90 $M_{\theta\phi}$0.27 $M_{\phi r}$-0.66 NP1:ϕ_s350.00000°,δ51.00000°,λ-108.00000°. NP2:ϕ_s197.00000°,δ42.00000°,λ-69.00000°. $M_0$4.11000×10^{14}
JMA Event type ke. FAR E OFF NORTH HONSHU .
ISC III 15 05 15 12.4–.67 40.03N–.05 144.99E–.06 32 3.8b 59 2-86
IDC III 15 05 15 07.2–.70 39.89N 145.14E 0 3.8,3.7s **¶610470967**
JMA III 15 05 15 11.2–.32 40.1N–1.0 145E–2.0 44 3.9,3.7s
NIED III 15 05 15 11.2 40.08N 144.85E 44 4.0W,3.7s
ISC Event type ke.
IDC Error ellipse: s-maj=18.4km s-min=16.2km az=136.0.
JMA Event type ke. FAR E OFF NORTH HONSHU .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.69 $M_{\theta\theta}$0.26 $M_{\phi\phi}$0.43 $M_{r\theta}$0.56 $M_{\theta\phi}$0.15 $M_{\phi r}$0.64 NP1:ϕ_s219.00000°,δ72.00000°,λ-87.00000°. NP2:ϕ_s29.00000°,δ18.00000°,λ-100.00000°. $M_0$1.04000×10^{15}
ISC III 15 05 48 41.6–.72 40.01N–.05 145.01E–.06 32 3.8b 52 2-86
IDC III 15 05 48 36.7–.78 39.87N 145.07E 0 3.7,3.6b **¶610470968**
JMA III 15 05 48 40.9–.27 40.1N–.80 145E–1.0 46 3.8,3.6b
NIED III 15 05 48 40.9 40.07N 144.86E 46 3.9W,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=20.9km s-min=18.1km az=126.0.
JMA Event type ke. FAR E OFF NORTH HONSHU .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-6.02 $M_{\theta\theta}$2.50 $M_{\phi\phi}$3.52 $M_{r\theta}$4.07 $M_{\theta\phi}$0.98 $M_{\phi r}$3.94 NP1:ϕ_s222.00000°,δ69.00000°,λ-86.00000°. NP2:ϕ_s31.00000°,δ21.00000°,λ-100.00000°. $M_0$7.58000×10^{14}
ISC III 15 06 32 45.1–.73 40.04N–.06 144.96E–.07 32 3.6b 43 2-86
IDC III 15 06 32 40.1–.75 39.92N 145.10E 0 3.7,3.6b **¶610470969**
NIED III 15 06 32 44.8 40.10N 144.79E 44 3.9W,3.6b
JMA III 15 06 32 44.8–.37 40N–1.0 145E–2.0 44 3.8,3.6b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-4.64 $M_{\theta\theta}$1.21 $M_{\phi\phi}$3.43 $M_{r\theta}$3.75 $M_{\theta\phi}$0.81 $M_{\phi r}$5.41 NP1:ϕ_s212.00000°,δ74.00000°,λ-85.00000°. NP2:ϕ_s14.00000°,δ17.00000°,λ-107.00000°. $M_0$7.78000×10^{14}
JMA Event type ke. FAR E OFF NORTH HONSHU .
ISC III 15 06 56 49.3–.63 40.00N–.05 145.01E–.06 32 4.0b 74 2-86
IDC III 15 06 56 44.2–.69 39.90N 145.15E 0 4.0,3.9b **¶610470970**
MOS III 15 06 56 46.3–.94 39.76N 145.21E 27 4.1b,3.9b
NIED III 15 06 56 48.1 40.08N 144.83E 42 4.1W,3.9b
JMA III 15 06 56 48.1–.27 40.1N–.70 145E–1.0 42 4.1,3.9b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-1.42 $M_{\theta\theta}$0.37 $M_{\phi\phi}$1.05 $M_{r\theta}$0.46 $M_{\theta\phi}$0.26 $M_{\phi r}$0.95 NP1:ϕ_s203.00000°,δ65.00000°,λ-87.00000°. NP2:ϕ_s16.00000°,δ25.00000°,λ-96.00000°. $M_0$1.66000×10^{15}
JMA Event type ke. FAR E OFF NORTH HONSHU .
JMA III 15 10 13 35.2–.27 40.1N–.80 145E–1.0 43 3.5 ¶614158296
JMA Event type ke. FAR E OFF NORTH HONSHU .
ISC III 15 12 52 17.1–.59 37.79N–.06 143.72E–.06 10 4.0b 71 2-149
IDC III 15 12 52 15.0–.63 37.60N 143.84E 0 3.8,3.8L **¶610470971**
NEIC III 15 12 52 17.2–1.3 37.66N–.07 143.75E–.09 10–1 4.4b,3.8L
JMA III 15 12 52 18.3–.24 37.7N–.80 144E–1.0 62 4.0,3.8L
NIED III 15 12 52 18.3 37.75N 143.70E 62 3.9W,3.8L
ISC Event type ke.
IDC Error ellipse: s-maj=17.3km s-min=14.0km az=117.0.
NEIC Event type se. Error ellipse: s-maj=12.3km s-min=11.7km az=120.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. FAR E OFF FUKUSHIMA PREF.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-3.87 $M_{\theta\theta}$-3.54 $M_{\phi\phi}$7.41 $M_{r\theta}$3.74 $M_{\theta\phi}$-0.74 $M_{\phi r}$5.55 NP1:ϕ_s208.00000°,δ75.00000°,λ-58.00000°. NP2:ϕ_s320.00000°,δ35.00000°,λ-153.00000°. $M_0$9.27000×10^{14}
ISC III 15 18 04 47.4–2.3 37.72N–.07 143.8E–.10 40–27 3.8b 32 2-88
IDC III 15 18 04 46.8–2.0 37.12N 143.71E 0 3.8b,3.7 **¶610546265**
JMA III 15 18 04 47.4–.23 37.7N–.80 144E–1.0 46 3.5,3.7
ISC Event type ke.
JMA Event type ke. FAR E OFF FUKUSHIMA PREF.
ISC III 17 20 30 45.6–2.9 40.03N–.03 144.96E–.05 27–22 3.7b,3.7s 42 2-86
IDC III 17 20 30 41.5–.83 39.87N 145.12E 0 3.7,3.6b **¶610546412**
JMA III 17 20 30 45.7–.29 40.1N–.90 145E–2.0 45 3.9,3.6b
ISC Event type ke.
JMA Event type ke. FAR E OFF NORTH HONSHU .
ISC III 18 01 33 28.7–.61 38.62N–.04 144.04E–.04 19–2 4.7b,4.3s 695 2-158
MOS III 18 01 33 25.9–1.1 38.65N 143.95E 10 4.9b,4.3s **¶611832092**
BJI III 18 01 33 27.1–.00 38.78N 143.72E 5 4.9b,4.7s
JMA III 18 01 33 29.0–.21 38.6N–.60 144E–1.0 46 4.9W,4.8
NIED III 18 01 33 29.0 38.63N 143.90E 46 4.8W,4.8
NEIC III 18 01 33 29.1–1.1 38.60N–.06 143.89E–.09 18–4 4.9b,4.8
IDC III 18 01 33 31.9–2.1 38.53N 143.94E 42–19 4.4,4.2b
GCMT III 18 01 33 31.1–.30 38.72N–.02 144.02E–.02 15–1 5.0W,4.2b
ISC Event type ke. Moment Tensor Solution. NP1:ϕ_s217.21895°,δ39.14560°,λ-87.90904°. NP2: ϕ_s34.52362°,δ50.88545°,λ-91.70116°. Principal axes: T Plg5.8715°,Azm125.7328° ; N Plg1.3198°,Azm35.5970°; P Plg83.9810°,Azm292.9757°
JMA Event type fe. FAR E OFF MIYAGI PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.40 $M_{\theta\theta}$0.54 $M_{\phi\phi}$0.86 $M_{r\theta}$-0.14 $M_{\theta\phi}$1.40 $M_{\phi r}$0.69 NP1:ϕ_s197.00000°,δ58.00000°,λ-123.00000°. NP2:ϕ_s68.00000°,δ45.00000°,λ-49.00000°. $M_0$1.96000×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s38,c47; s100,c151;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.62±.18 $M_{\theta\theta}$0.94±.12; $M_{\phi\phi}$1.68±.11; $M_{r\theta}$-0.35±.41; $M_{\theta\phi}$2.65±.07; $M_{\phi r}$2.29±.40; Best double couple: NP1:ϕ_s192.00000°,δ65.00000°,λ-125.00000°. NP2:ϕ_s71.00000°,δ42.00000°,λ-39.00000°. Principal axes: T 4.3360,Plg13.0000°,Azm307.0000°; N -0.2740,Plg31.0000°,Azm209.0000°; P -4.0600,Plg56.0000°,Azm57.0000° $M_0$4.19800×10^{16}
ISC III 18 02 43 25.4–1.0 40.07N–.06 144.98E–.07 32 3.5b 36 2-74
IDC III 18 02 43 20.7–1.3 39.98N 145.14E 0 3.7,3.6b **¶610546426**
JMA III 18 02 43 24.7–.30 40.1N–.90 145E–2.0 42 3.4,3.6b
ISC Event type ke.
JMA Event type ke. FAR E OFF NORTH HONSHU .
ISC III 18 23 30 27.4–.62 40.02N–.05 144.96E–.06 32 4.0b 85 2-86

IDC III 18 23 30 22.4–.70 39.93N 145.06E 0 3.9,3.9b ¶610470985
NEIC III 18 23 30 24.2–2.0 39.96N–.07 145.0E–.10 10–1 4.3b,3.9b
JMA III 18 23 30 26.2–.30 40.0N–.90 145E–2.0 46 4.1,3.9b
NIED III 18 23 30 26.2 40.04N 144.85E 46 3.8W,3.9b
ISC Event type ke.
IDC Error ellipse: s-maj=17.7km s-min=15.9km az=109.0.
NEIC Event type se. Error ellipse: s-maj=14.9km s-min=10.1km az=115.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. FAR E OFF NORTH HONSHU .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-5.51 $M_{\theta\theta}$1.77 $M_{\phi\phi}$3.74
$M_{r\theta}$1.01 $M_{\theta\phi}$1.76 $M_{\phi r}$-0.07 NP1:ϕ_s219.00000°,δ48.00000°,λ-79.00000°. NP2:ϕ_s23.00000°
,δ43.00000°,λ-102.00000°. $M_0$5.23000×10^{14}
ISC III 19 06 10 49.5–3.3 40.09N–.10 145.0E–.20 68–44 3.5b 14 2-86
IDC III 19 06 10 42.6–1.3 39.78N 145.02E 0 3.4,3.4b **¶614161636**
JMA III 19 06 10 48.2–.48 40N–1.0 145E–2.0 45 3.4,3.4b
ISC Event type ke.
JMA Event type ke. FAR E OFF NORTH HONSHU .
ISC III 19 22 39 31.3–.99 36.59N–.08 142.76E–.10 10 3.6b 21 2-75
IDC III 19 22 39 29.4–1.3 36.47N 142.83E 0 3.6,3.6b **¶610546544**
JMA III 19 22 39 31.8–.45 36.6N–.80 143E–2.0 38 3.2,3.6b
ISC Event type ke.
JMA Event type ke. FAR E OFF KANTO .
ISC III 21 20 00 36.0–3.7 37.27N–.06 142.15E–.09 16–23 3.1b 23 1-146
IDC III 21 20 00 32.0–2.6 37.17N 142.50E 0 3.3,3.3b **¶610543423**
JMA III 21 20 00 37.2–.26 37.3N–.50 142.1E–1.0 31–4 3.2,3.3b
ISC Event type ke.
JMA Event type ke. E OFF FUKUSHIMA PREF .
ISC III 22 06 50 16.5–.55 38.44N–.05 144.69E–.06 29 4.2b,3.4s 83 2-144
IDC III 22 06 50 11.6–.55 38.27N 144.85E 0 4.0,4.0b **¶610471006**
JMA III 22 06 50 15.6–.23 38.4N–.80 145E–1.0 48 4.5,4.0b
NIED III 22 06 50 15.6 38.37N 144.57E 48 4.1W,4.0b
NEIC III 22 06 50 16.3–2.2 38.35N–.08 144.65E–.07 24–6 4.5b,4.0b
ISC Event type ke.
JMA Event type ke. FAR E OFF NORTH HONSHU .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-1.71 $M_{\theta\theta}$1.01 $M_{\phi\phi}$0.69
$M_{r\theta}$0.68 $M_{\theta\phi}$0.47 $M_{\phi r}$0.56 NP1:ϕ_s233.00000°,δ60.00000°,λ-91.00000°. NP2:ϕ_s55.00000°
,δ30.00000°,λ-88.00000°. $M_0$1.77000×10^{15}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 23 06 33 39.3–1.5 39.95N–.07 145.00E–.09 32 3.2b 21 2-60
NIED III 23 06 33 40.8 40.03N 144.80E 48 3.5W **¶610471008**
JMA III 23 06 33 40.8–.36 40N–1.0 145E–2.0 48 3.5
IDC III 23 06 33 40.4–3.1 39.08N 145.14E 0 3.3,3.3b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-2.14 $M_{\theta\theta}$0.71 $M_{\phi\phi}$1.43
$M_{r\theta}$0.40 $M_{\theta\phi}$0.60 $M_{\phi r}$0.61 NP1:ϕ_s211.00000°,δ55.00000°,λ-89.00000°. NP2:ϕ_s29.00000°
,δ35.00000°,λ-92.00000°. $M_0$2.09000×10^{14}
JMA Event type ke. FAR E OFF NORTH HONSHU .
IDC Error ellipse: s-maj=76.1km s-min=35.1km az=63.0.
ISC III 23 11 15 07.9–1.2 38.40N–.06 144.68E–.08 29 3.5b 43 2-63
JMA III 23 11 15 08.4–.19 38.4N–.70 144.6E–1.0 44 3.5 **¶610543533**
IDC III 23 11 15 11.8–4.6 38.36N 144.53E 54–42 3.5,3.2b
ISC Event type ke.
JMA Event type ke. FAR E OFF NORTH HONSHU .
IDC Error ellipse: s-maj=41.9km s-min=19.4km az=116.0.
ISC III 23 16 19 14.7–1.1 36.28N–.05 142.39E–.06 28–7 4.3b,3.2s 105 1-82
IDC III 23 16 19 09.7–.76 36.02N 142.45E 0 3.8,3.8b **¶610471011**
JMA III 23 16 19 11.5–.19 36.2N–.40 143E–1.0 59 3.5,3.8b
NIED III 23 16 19 11.5 36.19N 142.55E 59 4.0W,3.8b
NEIC III 23 16 19 16.2–1.4 36.37N–.06 142.2E–.10 32–5 4.6b,3.8b
ISC Event type ke.
JMA Event type ke. FAR E OFF KANTO .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.98 $M_{\theta\theta}$-0.22 $M_{\phi\phi}$-0.76
$M_{r\theta}$0.09 $M_{\theta\phi}$-0.45 $M_{\phi r}$0.31 NP1:ϕ_s25.00000°,δ54.00000°,λ85.00000°. NP2:ϕ_s214.00000°
,δ36.00000°,λ97.00000°. $M_0$1.05000×10^{15}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 24 02 43 51.1–.73 36.17N–.04 142.50E–.04 15–3 4.7b,4.2s 205 1-98
BJI III 24 02 43 47.7–.00 36.25N 142.51E 6 4.9b,4.7s **¶610434509**
IDC III 24 02 43 48.6–.57 36.03N 142.48E 0 4.2,4.2b
JMA III 24 02 43 50.9–.30 36.2N–.60 143E–2.0 58 4.7W,4.7
NEIC III 24 02 43 51.0–1.5 36.17N–.06 142.5E–.10 10–1 4.8b,4.7
NIED III 24 02 43 50.9 36.18N 142.54E 58 4.6W,4.7
BGR III 24 02 44 10.5 38.00N 143.50E 33 4.5b,4.7
ISC Event type ke.
IDC Error ellipse: s-maj=14.6km s-min=13.2km az=116.0.
JMA Event type ke. FAR E OFF KANTO .
NEIC Event type se. Error ellipse: s-maj=14.0km s-min=10.1km az=105.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}7.09 $M_{\theta\theta}$-0.20 $M_{\phi\phi}$-6.89
$M_{r\theta}$2.67 $M_{\theta\phi}$-3.97 $M_{\phi r}$4.28 NP1:ϕ_s30.00000°,δ61.00000°,λ95.00000°. NP2:ϕ_s199.00000°
,δ29.00000°,λ81.00000°. $M_0$9.39000×10^{15}
BGR Event type ke.
ISC III 24 04 15 27.2–.83 36.25N–.05 142.31E–.07 18 3.6b 31 1-75
IDC III 24 04 15 24.8–1.0 36.32N 142.34E 0 3.5,3.5b **¶610543575**
JMA III 24 04 15 26.2–.27 36.2N–.60 142E–1.0 74 3.0,3.5b
ISC Event type ke.
JMA Event type ke. FAR E OFF KANTO .
ISC III 24 12 35 16.1–1.1 36.20N–.06 142.62E–.08 18 3.6b 26 2-60
IDC III 24 12 35 14.4–1.8 36.20N 142.60E 0 3.7b,3.6 **¶610543597**
JMA III 24 12 35 16.6–.20 36.2N–.50 142.6E–1.0 35 3.5,3.6
ISC Event type ke.
JMA Event type ke. FAR E OFF KANTO .
ISC III 24 15 14 14.1–3.4 36.19N–.07 142.4E–.10 23–21 3.5b 21 1-146
JMA III 24 15 14 12.6–.21 36.2N–.50 142E–1.0 78 3.0 **¶610543605**
IDC III 24 15 14 15.8–1.7 36.89N 142.08E 0 3.4,3.4b
ISC Event type ke.
JMA Event type ke. FAR E OFF KANTO .
IDC Error ellipse: s-maj=43.3km s-min=22.3km az=77.0.
ISC III 25 00 26 10.1–1.5 34.08N–.04 141.11E–.06 14–9 3.9b 51 1-148
JMA III 25 00 26 12.6–.37 34N–1.0 141E–2.0 43–3 3.9 **¶610471019**
NIED III 25 00 26 12.6 34.13N 141.10E 43 3.9W
IDC III 25 00 26 13.9–3.0 34.16N 141.06E 37–25 3.9,3.9L
ISC Event type ke.
JMA Event type ke. FAR SE OFF BOSO PEN .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-7.06 $M_{\theta\theta}$6.47 $M_{\phi\phi}$0.60
$M_{r\theta}$-3.93 $M_{\theta\phi}$-2.67 $M_{\phi r}$2.24 NP1:ϕ_s116.00000°,δ61.00000°,λ-85.00000°. NP2:ϕ_s286.00000°
,δ29.00000°,λ-98.00000°. $M_0$8.57000×10^{14}
IDC Error ellipse: s-maj=20.1km s-min=14.4km az=76.0.
JMA III 25 04 59 15.7–.26 37.3N–.80 144E–1.0 59 3.9
¶614166221
JMA Event type ke. FAR E OFF NORTH HONSHU .
ISC III 26 13 53 26.4–2.3 39.12N–.09 144.7E–.10 35 19 2-46
JMA III 26 13 53 23.7–.22 39.1N–.60 144.7E–.70 40 3.8 **¶610543729**
IDC III 26 13 53 32.4–2.4 39.58N 143.51E 0 3.3b,3.2
ISC Event type ke.
JMA Event type ke. FAR E OFF NORTH HONSHU .
IDC Error ellipse: s-maj=48.9km s-min=25.3km az=129.0.
ISC III 26 16 51 38.4–1.1 40.08N–.06 145.03E–.08 32 3.6b 47 2-67
IDC III 26 16 51 33.7–1.7 40.03N 145.22E 0 3.6,3.5b **¶610543735**
JMA III 26 16 51 37.8–.32 40.1N–.90 145E–2.0 45 3.7,3.5b
ISC Event type ke.
JMA Event type ke. FAR E OFF NORTH HONSHU .
JMA III 30 07 21 08.9–.20 37.7N–.80 144E–1.0 46 3.6
¶614170892
JMA Event type ke. FAR E OFF NORTH HONSHU .
ISC III 31 14 22 05.3–.90 34.64N–.06 141.68E–.07 27 3.4b 19 1-58
JMA III 31 14 22 04.0–.61 35N–2.0 142E–3.0 28–2 3.1 **¶610544055**
IDC III 31 14 22 03.0–1.1 34.72N 141.78E 0 3.8L,3.6
ISC Event type ke.
JMA Event type ke. FAR SE OFF BOSO PEN .
IDC Error ellipse: s-maj=33.5km s-min=19.4km az=78.0.
ISC III 31 22 46 47.2–1.7 36.64N–.07 142.39E–.10 15 3.7b 23 1-57
JMA III 31 22 46 46.5–.21 36.6N–.50 142E–1.0 23 3.3 **¶610544078**
IDC III 31 22 46 51.5–2.1 37.19N 141.73E 0 3.7b,3.6
ISC Event type ke.
JMA Event type ke. FAR E OFF FUKUSHIMA PREF.
IDC Error ellipse: s-maj=45.4km s-min=29.5km az=80.0.
ISC IV 01 04 52 37.1–.54 34.68N–.06 142.60E–.06 35 4.2b,3.0s 84 1-147
IDC IV 01 04 52 31.8–.56 34.47N 142.63E 0 4.0,4.0b **¶610630649**
NIED IV 01 04 52 34.1 34.50N 142.56E 25 4.1W,4.0b
JMA IV 01 04 52 34.1–.53 34N–1.0 143E–2.0 25 3.9,4.0b
NEIC IV 01 04 52 37.6–1.9 34.81N–.09 142.6E–.10 33–5 4.3b,4.0b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-1.38 $M_{\theta\theta}$0.66 $M_{\phi\phi}$0.72
$M_{r\theta}$0.86 $M_{\theta\phi}$0.15 $M_{\phi r}$0.51 NP1:ϕ_s234.00000°,δ66.00000°,λ-86.00000°. NP2:ϕ_s44.00000°
,δ24.00000°,λ-99.00000°. $M_0$1.49000×10^{15}
JMA Event type ke. FAR E OFF CENTRAL HONSHU.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 01 20 43 34.0–.62 39.41N–.04 143.56E–.04 17–3 4.4b,3.8s 251 1-85
MOS IV 01 20 43 32.6–1.1 39.46N 143.49E 17 4.6b,3.8s **¶610470141**
NEIC IV 01 20 43 34.0–1.3 39.41N–.06 143.41E–.09 10–1 4.5b,3.8s
NIED IV 01 20 43 34.2 39.42N 143.53E 41 4.2W,3.8s
JMA IV 01 20 43 34.2–.26 39.4N–.80 144E–1.0 41 4.6,4.5
IDC IV 01 20 43 38.1–2.2 39.37N 143.39E 40–18 4.0,3.7b
ISC Event type ke.
MOS Error ellipse: s-maj=7.9km s-min=5.0km az=100.6.
NEIC Event type se. Error ellipse: s-maj=12.2km s-min=9.0km az=111.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}1.65 $M_{\theta\theta}$-0.05 $M_{\phi\phi}$-1.59
$M_{r\theta}$0.13 $M_{\theta\phi}$-0.65 $M_{\phi r}$1.41 NP1:ϕ_s10.00000°,δ65.00000°,λ81.00000°. NP2:ϕ_s211.00000°
,δ27.00000°,λ109.00000°. $M_0$2.24000×10^{15}
JMA Event type ke. FAR E OFF SANRIKU .
IDC Error ellipse: s-maj=16.5km s-min=11.2km az=116.0.
ISC IV 03 15 25 43.2–1.3 37.96N–.07 144.20E–.08 35 3.3b 28 2-62
IDC IV 03 15 25 39.1–2.0 37.85N 144.23E 0 3.5s,3.4 **¶610630672**
NIED IV 03 15 25 44.0 37.95N 143.99E 40 3.5W,3.4
JMA IV 03 15 25 44.0–.20 38.0N–.80 144E–1.0 40 3.6,3.4
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-1.00 $M_{\theta\theta}$-0.10 $M_{\phi\phi}$1.10
$M_{r\theta}$-0.93 $M_{\theta\phi}$0.29 $M_{\phi r}$-1.15 NP1:ϕ_s34.00000°,δ73.00000°,λ-75.00000°. NP2:ϕ_s172.00000°
,δ22.00000°,λ-130.00000°. $M_0$1.84000×10^{14}
JMA Event type ke. FAR E OFF MIYAGI PREF .
ISC IV 06 01 53 00.1–1.7 33.93N–.08 141.8E–.10 35 14 1-54
JMA IV 06 01 53 00.1–.75 34N–1.0 142E–4.0 26 3.2 **¶610652039**
IDC IV 06 01 53 01.6–3.4 33.17N 140.01E 0 3.4b,3.2
ISC Event type ke.
JMA Event type ke. FAR SE OFF BOSO PEN .
IDC Error ellipse: s-maj=125.9km s-min=30.7km az=72.0.
ISC IV 08 03 06 20.4–1.4 37.55N–.06 144.62E–.09 35 29 3-62
JMA IV 08 03 06 22.0–.24 37.6N–1.0 144E–1.0 46 4.1 **¶610652201**
IDC IV 08 03 06 22.7–8.1 36.51N 144.34E 0 3.9,3.8b
ISC Event type ke.
JMA Event type ke. FAR E OFF NORTH HONSHU .
IDC Error ellipse: s-maj=172.0km s-min=35.7km az=26.0.
ISC IV 10 21 20 02.7–2.7 37.25N–.05 143.72E–.06 1–17 4.3b,3.3s 148 2-89
IDC IV 10 21 20 01.8–.60 37.08N 143.79E 0 4.0,4.0b **¶610526198**
MOS IV 10 21 20 04.8–1.4 37.31N 143.79E 27 4.4b,4.0b
JMA IV 10 21 20 06.4–.27 37.2N–.70 144E–1.0 58 4.4,4.0b
NIED IV 10 21 20 06.4 37.23N 143.58E 58 4.0W,4.0b
NEIC IV 10 21 20 08.1–1.5 37.28N–.07 143.58E–.09 32–5 4.4b,4.0b
ISC Event type ke.
JMA Event type ke. FAR E OFF FUKUSHIMA PREF.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-7.16 $M_{\theta\theta}$3.06 $M_{\phi\phi}$4.10
$M_{r\theta}$4.81 $M_{\theta\phi}$5.71 $M_{\phi r}$1.83 NP1:ϕ_s239.00000°,δ62.00000°,λ-71.00000°. NP2:ϕ_s23.00000°
,δ33.00000°,λ-121.00000°. $M_0$9.81000×10^{14}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 11 15 25 56.2–1.0 39.44N–.06 145.80E–.09 35 3.7b 36 3-72
IDC IV 11 15 25 51.2–1.1 39.35N 145.83E 0 3.7,3.6b **¶610652473**
JMA IV 11 15 25 55.0–.37 40N–1.0 146E–2.0 48 4.2,3.6b
ISC Event type ke.
JMA Event type ke. FAR E OFF NORTH HONSHU .
ISC IV 15 18 33 37.7–1.1 37.32N–.06 144.63E–.08 35 3.8b 35 3-61
IDC IV 15 18 33 34.2–2.0 37.18N 144.74E 0 3.8,3.6b **¶610619268**
JMA IV 15 18 33 39.7–.25 37.4N–.80 144E–1.0 49 3.7,3.6b
NIED IV 15 18 33 39.7 37.35N 144.37E 49 3.6W,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=54.9km s-min=24.6km az=73.0.
JMA Event type ke. FAR E OFF NORTH HONSHU .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-1.75 $M_{\theta\theta}$-0.20 $M_{\phi\phi}$1.96
$M_{r\theta}$0.51 $M_{\theta\phi}$-0.02 $M_{\phi r}$1.38 NP1:ϕ_s193.00000°,δ65.00000°,λ-77.00000°. NP2:ϕ_s345.00000°
,δ28.00000°,λ-115.00000°. $M_0$2.37000×10^{14}
ISC IV 16 03 58 35.5–1.9 37.1N–.10 144.8E–.10 35 17 3-61
IDC IV 16 03 58 34.4–8.8 36.42N 144.68E 0 3.4,3.4b **¶610652848**
JMA IV 16 03 58 36.3–.32 37.1N–.80 145E–2.0 45 3.4,3.4b
ISC Event type ke.
JMA Event type ke. FAR E OFF NORTH HONSHU .
ISC IV 16 15 04 52.2–1.0 40.74N–.05 143.58E–.07 35 3.4b 28 1-61
IDC IV 16 15 04 48.5–1.6 40.15N 144.50E 0 3.3,3.3b **¶610652873**
JMA IV 16 15 04 51.6–.17 40.7N–.90 144E–1.0 51 3.3,3.3b
ISC Event type ke.
JMA Event type ke. E OFF AOMORI PREF .
ISC IV 17 10 28 56.7–1.5 37.35N–.08 144.57E–.09 35 27 3-62
IDC IV 17 10 28 51.5–2.1 37.23N 144.78E 0 3.8b,3.7 **¶610619270**
JMA IV 17 10 28 58.2–.35 37N–1.0 144E–2.0 38 3.9,3.7
NIED IV 17 10 28 58.2 37.33N 144.28E 38 3.6W,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=55.9km s-min=27.1km az=69.0.
JMA Event type ke. FAR E OFF NORTH HONSHU .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-2.48 $M_{\theta\theta}$0.82 $M_{\phi\phi}$1.66
$M_{r\theta}$1.93 $M_{\theta\phi}$0.45 $M_{\phi r}$1.09 NP1:ϕ_s228.00000°,δ68.00000°,λ-78.00000°. NP2:ϕ_s20.00000°
,δ25.00000°,λ-116.00000°. $M_0$3.05000×10^{14}
JMA IV 17 15 40 25.5–.29 37.3N–1.0 144E–2.0 40 3.5
¶614798328
JMA Event type ke. FAR E OFF NORTH HONSHU .
ISC IV 18 05 48 57.9–3.5 37.30N–.05 142.00E–.07 16–22 3.8b 33 1-63
NIED IV 18 05 48 59.8 37.34N 141.93E 37 3.7W **¶610619273**
JMA IV 18 05 48 59.8–.22 37.3N–.50 142E–1.0 37–3 3.9
IDC IV 18 05 49 04.6–3.9 37.01N 141.90E 78–34 3.7,3.4b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}0.66 $M_{\theta\theta}$-1.41 $M_{\phi\phi}$0.75
$M_{r\theta}$2.92 $M_{\theta\phi}$1.23 $M_{\phi r}$1.48 NP1:ϕ_s70.00000°,δ85.00000°,λ63.00000°. NP2:ϕ_s330.00000°
,δ27.00000°,λ169.00000°. $M_0$3.69000×10^{14}
JMA Event type fe. E OFF FUKUSHIMA PREF .
IDC Error ellipse: s-maj=30.1km s-min=27.8km az=14.0.
ISC IV 19 06 12 44.8–2.0 37.95N–.05 142.02E–.10 31–12 30 1-63
IDC IV 19 06 12 38.1–3.2 37.97N 142.66E 0 3.4b,3.3 **¶610653031**
JMA IV 19 06 12 46.9–.10 38.0N–.30 141.9E–.60 53–0 3.5,3.3
ISC Event type ke.
JMA Event type ke. SE OFF MIYAGI PREF .
ISC IV 24 21 38 37.3–3.2 37.95N–.06 143.90E–.08 2–17 3.4b 35 2-62
JMA IV 24 21 38 37.4–.28 38N–1.0 144E–1.0 48 3.5 **¶614804110**
IDC IV 24 21 38 39.3–1.8 38.02N 143.81E 0 3.5,3.5b
ISC Event type ke.
JMA Event type ke. FAR E OFF NORTH HONSHU .
IDC Error ellipse: s-maj=40.3km s-min=25.4km az=73.0.
JMA IV 28 16 16 46.7–.23 38.3N–.90 144E–1.0 22 3.7

¶614806902
JMA Event type ke. FAR E OFF NORTH HONSHU .
ISC V 01 13 48 11.6–2.2 33.40N–.06 141.02E–.10 36–5 31 1-57
JMA V 01 13 48 10.8–.14 33.4N–.40 141.0E–.80 54–4 3.1 ¶610689312
IDC V 01 13 48 11.6–1.5 32.87N 138.98E 0 3.5b,3.4
ISC Event type ke.
JMA Event type ke. E OFF HACHIJOJIMA ISLAND.
IDC Error ellipse: s-maj=29.0km s-min=17.3km az=138.0.
ISC V 04 08 34 57.9–.74 38.09N–.05 144.39E–.07 35 3.7b 58 2-75
IDC V 04 08 34 53.0–.77 38.05N 144.31E 0 3.8,3.7b ¶610669469
NIED V 04 08 34 57.5 38.11N 144.32E 39 3.9W,3.7b
JMA V 04 08 34 57.5–.20 38.1N–.70 144.3E–1.0 39 3.9,3.7b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; Mrr-5.21 Mθθ0.75 Mφφ4.46 Mrθ1.14 Mθφ0.81 Mφr5.30 NP1:φs192.00000°,δ69.00000°,λ-90.00000°. NP2:φs12.00000°,δ21.00000°,λ-90.00000°. M0 7.32000×10^{14}
JMA Event type ke. FAR E OFF NORTH HONSHU .
ISC V 10 12 38 46.0–3.4 37.25N–.05 142.29E–.06 6–23 26 1-51
IDC V 10 12 38 49.7–3.1 37.14N 142.56E 40–34 3.9,3.5L ¶610667655
NIED V 10 12 38 49.8 37.29N 142.14E 33 3.6W,3.5L
JMA V 10 12 38 49.8–.25 37.3N–.50 142E–1.0 33–4 3.9,3.5L
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; Mrr0.30 Mθθ0.30 Mφφ-0.60 Mrθ-1.72 Mθφ-2.15 Mφr-0.16 NP1:φs262.00000°,δ86.00000°,λ141.00000°. NP2:φs355.00000°,δ51.00000°,λ5.00000°. M0 2.81000×10^{14}
JMA Event type ke. E OFF FUKUSHIMA PREF .
JMA V 13 22 18 20.6–.30 38N–1.0 144E–2.0 42 3.9
NIED V 13 22 18 20.6 37.94N 144.15E 42 3.6W ¶610667676
JMA Event type ke. FAR E OFF NORTH HONSHU .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; Mrr-2.33 Mθθ0.93 Mφφ1.41 Mrθ0.73 Mθφ1.09 Mφr0.64 NP1:φs223.00000°,δ56.00000°,λ-86.00000°. NP2:φs35.00000°,δ34.00000°,λ-96.00000°. M0 2.51000×10^{14}
ISC V 17 12 20 56.8–.65 39.95N–.06 143.54E–.07 6 4.1b,3.5s 52 1-87
IDC V 17 12 20 55.7–.70 39.90N 143.55E 0 3.9,3.9b ¶610641855
NIED V 17 12 20 58.7 39.94N 143.48E 25 4.2W,3.9b
JMA V 17 12 20 58.7–.25 39.9N–.70 143E–1.0 25 4.4,4.1
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; Mrr0.85 Mθθ0.60 Mφφ-1.45 Mrθ1.00 Mθφ-0.48 Mφr1.17 NP1:φs39.00000°,δ75.00000°,λ116.00000°. NP2:φs158.00000°,δ30.00000°,λ32.00000°. M0 2.02000×10^{15}
JMA Event type ke. FAR E OFF SANRIKU .
JMA V 18 03 46 12.0–.20 38.0N–.80 144.4E–1.0 36 3.8
NIED V 18 03 46 12.0 38.04N 144.44E 36 3.5W ¶610667695
JMA Event type ke. FAR E OFF NORTH HONSHU .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; Mrr-2.07 Mθθ0.76 Mφφ1.30 Mrθ0.86 Mθφ0.40 Mφr1.19 NP1:φs213.00000°,δ65.00000°,λ-87.00000°. NP2:φs27.00000°,δ25.00000°,λ-95.00000°. M0 2.32000×10^{14}
JMA V 18 22 36 22.4–.15 37.9N–.60 144.4E–.70 24 3.8
NIED V 18 22 36 22.4 37.92N 144.37E 24 3.4W ¶610667696
JMA Event type ke. FAR E OFF NORTH HONSHU .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; Mrr-1.24 Mθθ0.15 Mφφ1.08 Mrθ0.30 Mθφ0.18 Mφr0.56 NP1:φs199.00000°,δ59.00000°,λ-83.00000°. NP2:φs4.00000°,δ32.00000°,λ-102.00000°. M0 1.34000×10^{14}
ISC V 20 07 58 59.8–2.6 39.98N–.06 143.54E–.06 7–16 3.8b,3.5s 39 1-93
IDC V 20 07 58 58.3–.75 39.84N 143.59E 0 3.8,3.8b ¶610667705
NIED V 20 07 59 00.9 40.01N 143.53E 18 4.0W,3.8b
JMA V 20 07 59 00.9–.35 40.0N–.60 144E–1.0 18–4 4.0,3.8b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; Mrr0.80 Mθθ0.17 Mφφ-0.98 Mrθ0.27 Mθφ-0.40 Mφr0.51 NP1:φs25.00000°,δ61.00000°,λ99.00000°. NP2:φs187.00000°,δ30.00000°,λ74.00000°. M0 1.12000×10^{15}
JMA Event type ke. FAR E OFF SANRIKU .
ISC V 20 11 26 27.4–.45 39.99N–.04 143.62E–.03 11–2 4.8b,4.4s 646 1-146
IDC V 20 11 26 25.7–.54 39.92N 143.63E 0 4.4,4.4b ¶611833940
MOS V 20 11 26 25.5–.93 39.97N 143.63E 9 5.0b,4.8s
NIED V 20 11 26 27.6 40.02N 143.55E 16 4.8W,4.8s
JMA V 20 11 26 27.6–.28 40.0N–.50 144E–1.0 16–3 4.8W,4.8
BJI V 20 11 26 27.7–.00 39.91N 143.18E 10 5.0b,4.8b
NEIC V 20 11 26 27.9 39.93N 143.57E 16 5.0b,4.8b
NEIC V 20 11 26 27.9 39.93N 143.70E 16 5.0b,4.8b
NEIC V 20 11 26 28.2–1.3 39.95N–.06 143.6E–.10 11–1 4.9,4.8b
BGR V 20 11 26 33.8 40.12N 143.44E 33 4.9b,4.8b
GCMT V 20 11 26 34.1–.30 39.94N–.02 143.81E–.03 23–1 4.9W,4.8b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; Mrr1.24 Mθθ0.24 Mφφ-1.48 Mrθ0.57 Mθφ-0.61 Mφr0.71 NP1:φs32.00000°,δ62.00000°,λ107.00000°. NP2:φs180.00000°,δ32.00000°,λ62.00000°. M0 1.73000×10^{16}
JMA Event type ke. FAR E OFF SANRIKU .
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 1s4 Moment tensor: Scale 10^{16}Nm; Mrr1.01 Mθθ0.30 Mφφ-1.32 Mrθ0.90 Mθφ-0.44 Mφr2.77 NP1:φs357.98000°,δ78.68000°,λ92.13000°. NP2:φs187.25000°,δ11.52000°,λ79.48000°. Principal axes: T 2.9540,Plg56.0000°,Azm291.0000°; N 0.4080,Plg2.0000°,Azm198.0000°; P -3.3620,Plg34.0000°,Azm106.0000° M0 3.16000×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BGR Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s23,c25; s81,c122;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr2.28±.18 Mθθ-0.28±.10; Mφφ-2.00±.12; Mrθ1.08±.16; Mθφ-0.37±.06; Mφr1.98±.15; Best double couple: NP1:φs23.00000°,δ68.00000°,λ98.00000°. NP2:φs183.00000°,δ23.00000°,λ72.00000°. Principal axes: T 3.2740,Plg66.0000°,Azm307.0000°; N -0.2870,Plg7.0000°,Azm200.0000°; P -2.9880,Plg23.0000°,Azm107.0000° M0 3.13100×10^{16}
ISC V 20 14 40 47.0–.39 39.95N–.03 143.67E–.03 15–1 4.9b,4.4s 778 1-146
MOS V 20 14 40 44.8–.89 39.97N 143.66E 9 5.1b,4.8s ¶610645890
IDC V 20 14 40 45.1–.44 39.95N 143.63E 0 4.6,4.6b
NEIC V 20 14 40 46.7–1.9 39.94N–.05 143.6E–.10 10–1 4.9b,4.8
NIED V 20 14 40 46.6 40.02N 143.55E 14 4.8W,4.8
JMA V 20 14 40 46.6–.30 40.0N–.50 144E–1.0 14–3 4.9,4.8W
BJI V 20 14 40 46.4–.00 39.93N 143.21E 10 5.0b,4.9b
NEIC V 20 14 40 48.1 39.94N 143.56E 14 5.0b,4.9b
NEIC V 20 14 40 48.1 39.94N 143.69E 14 5.0b,4.9b
BGR V 20 14 40 51.1 39.99N 143.61E 29–1 4.8b,4.9b
GCMT V 20 14 40 52.7–.40 39.94N–.03 143.73E–.04 20–1 4.9W,4.9b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; Mrr1.16 Mθθ0.20 Mφφ-1.36 Mrθ0.37 Mθφ-0.46 Mφr0.85 NP1:φs21.00000°,δ63.00000°,λ97.00000°. NP2:φs187.00000°,δ28.00000°,λ77.00000°. M0 1.62000×10^{16}
JMA Event type fe. FAR E OFF SANRIKU .
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 1s2 Moment tensor: Scale 10^{16}Nm; Mrr0.89 Mθθ0.04 Mφφ-0.93 Mrθ-0.14 Mθφ-0.28 Mφr1.41 NP1:φs357.87000°,δ73.75000°,λ79.12000°. NP2:φs212.36000°,δ19.48000°,λ122.94000°. Principal axes: T 1.6976,Plg60.0000°,Azm252.0000°; N 0.0162,Plg10.0000°,Azm1.0000°; P -1.7138,Plg28.0000°,Azm97.0000° M0 1.71000×10^{16}
BGR Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s15,c15; s77,c110;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr1.98±.19 Mθθ-0.55±.11; Mφφ-1.43±.12; Mrθ1.09±.23; Mθφ-0.51±.05; Mφr1.91±.22; Best double couple: NP1:φs28.00000°,δ70.00000°,λ92.00000°. NP2:φs202.00000°,δ20.00000°,λ84.00000°. Principal axes: T 3.0170,Plg65.0000°,Azm302.0000°; N -0.3290,Plg2.0000°,Azm208.0000°; P -2.6910,Plg25.0000°,Azm117.0000° M0 2.85400×10^{16}
ISC V 20 15 12 03.0–3.4 40.03N–.06 143.59E–.09 8–22 3.5b 27 1-72
IDC V 20 15 12 01.9–2.0 39.95N 143.60E 0 3.6b,3.5 ¶610667707
JMA V 20 15 12 04.2–.26 40.0N–.50 144E–1.0 11–3 3.6,3.5
NIED V 20 15 12 04.2 40.01N 143.56E 11 3.7W,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=45.5km s-min=24.3km az=83.0.
JMA Event type ke. FAR E OFF SANRIKU .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; Mrr1.99 Mθθ0.55 Mφφ-2.54 Mrθ1.30 Mθφ-2.02 Mφr1.87 NP1:φs38.00000°,δ66.00000°,λ104.00000°. NP2:φs187.00000°,δ28.00000°,λ62.00000°. M0 3.60000×10^{14}
ISC V 21 05 05 33.1–.70 39.91N–.04 143.74E–.05 17–3 4.4b,3.8s 169 1-95
NEIC V 21 05 05 30.8–1.1 39.91N–.05 143.87E–.07 10–1 4.6b,3.8s ¶610646022
BJI V 21 05 05 30.9–.00 39.87N 143.53E 12 4.8b,4.5b
IDC V 21 05 05 30.9–.71 39.91N 143.60E 0 3.9,3.9b
MOS V 21 05 05 32.0–1.1 39.98N 143.54E 18 4.6b,3.9b
NIED V 21 05 05 33.2 40.02N 143.54E 17 4.2W,3.9b
JMA V 21 05 05 33.2–.27 40.0N–.60 144E–1.0 17–3 4.3,4.3
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; Mrr1.58 Mθθ0.29 Mφφ-1.87 Mrθ0.52 Mθφ-1.14 Mφr1.10 NP1:φs25.00000°,δ61.00000°,λ92.00000°. NP2:φs201.00000°,δ29.00000°,λ86.00000°. M0 2.32000×10^{15}
JMA Event type ke. FAR E OFF SANRIKU .
JMA V 21 14 37 04.1–.21 38.0N–.80 144E–1.0 40 3.5
¶614827915
JMA Event type ke. FAR E OFF NORTH HONSHU .
ISC V 23 18 28 37.0–1.9 34.39N–.04 141.55E–.07 24–14 3.7b 59 1-58
IDC V 23 18 28 35.0–1.6 34.47N 141.49E 0 3.8,3.6L ¶610685241
JMA V 23 18 28 38.6–.48 34N–1.0 141E–3.0 41–1 3.3,3.6L
NEIC V 23 18 28 39.5–1.6 34.42N–.03 141.43E–.09 34–8 4.2b,3.6L
ISC Event type ke.
JMA Event type ke. FAR SE OFF BOSO PEN .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 23 18 42 51.5–1.4 39.44N–.06 143.79E–.09 11 3.5b 23 2-96
IDC V 23 18 42 52.3–2.5 38.99N 144.01E 0 3.8b,3.7 ¶610685243
JMA V 23 18 42 52.4–.25 39.4N–.70 144E–1.0 34 3.4,3.7
ISC Event type ke.
JMA Event type ke. FAR E OFF SANRIKU .
ISC V 25 17 28 26.7–3.3 37.97N–.07 144.0E–.10 4–22 33 2-62
JMA V 25 17 28 32.2–.21 38.0N–.80 144E–1.0 46 3.9 ¶610685377
IDC V 25 17 28 37.4–1.8 38.43N 143.11E 0 3.4,3.4b
ISC Event type ke.
JMA Event type ke. FAR E OFF MIYAGI PREF .
IDC Error ellipse: s-maj=44.2km s-min=26.2km az=100.0.
JMA V 27 06 38 59.3–.31 37.1N–.90 144E–2.0 56 3.7
¶614832809
JMA Event type ke. FAR E OFF NORTH HONSHU .
ISC V 28 03 10 24.2–1.4 37.09N–.08 142.43E–.10 9 3.4b 18 1-57
IDC V 28 03 10 22.1–2.1 37.00N 142.62E 0 3.9L,3.4 ¶610667745
NIED V 28 03 10 24.3 37.03N 142.37E 15 3.4W,3.4
JMA V 28 03 10 24.3–.47 37N–1.0 142E–2.0 15 3.6,3.4
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; Mrr-1.19 Mθθ0.67 Mφφ0.52 Mrθ-0.24 Mθφ1.05 Mφr-0.02 NP1:φs58.00000°,δ50.00000°,λ-76.00000°. NP2:φs216.00000°,δ42.00000°,λ-106.00000°. M0 1.45000×10^{14}
JMA Event type ke. E OFF FUKUSHIMA PREF .
ISC V 28 13 47 34.3–2.5 37.80N–.06 142.39E–.10 23–16 3.3b 35 1-62
IDC V 28 13 47 29.7–2.5 37.82N 142.64E 0 3.4b,3.3 ¶610667746
NIED V 28 13 47 35.9 37.80N 142.27E 38 3.4W,3.3
JMA V 28 13 47 35.9–.15 37.8N–.40 142.3E–.70 38–1 3.6,3.3
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; Mrr0.14 Mθθ0.91 Mφφ-1.05 Mrθ-0.69 Mθφ0.17 Mφr0.93 NP1:φs315.00000°,δ87.00000°,λ50.00000°. NP2:φs222.00000°,δ40.00000°,λ176.00000°. M0 1.51000×10^{14}
JMA Event type ke. SE OFF MIYAGI PREF .
ISC V 29 11 46 59.2–1.1 34.72N–.07 141.81E–.10 21 3.5b 16 1-59
JMA V 29 11 46 56.9–.33 34.7N–.90 142E–2.0 37–3 3.1 ¶610685611
IDC V 29 11 46 56.7–1.3 34.70N 141.71E 0 3.4,3.4b
ISC Event type ke.
JMA Event type ke. FAR E OFF CENTRAL HONSHU.
IDC Error ellipse: s-maj=28.0km s-min=21.7km az=93.0.
ISC V 31 18 29 48.3–1.4 37.46N–.07 144.79E–.08 35 27 3-62
IDC V 31 18 29 44.4–2.0 37.22N 144.85E 0 3.8b,3.7 ¶610685809
JMA V 31 18 29 50.3–.22 37.5N–.90 145E–1.0 67 3.7,3.7
ISC Event type ke.
JMA Event type ke. FAR E OFF NORTH HONSHU .
ISC VI 02 12 16 15.8–1.2 36.93N–.05 142.71E–.09 9 3.5b 25 2-61
IDC VI 02 12 16 14.7–2.2 36.91N 142.77E 0 3.5,3.5b ¶610791097
JMA VI 02 12 16 18.2–.23 37.0N–.50 143E–1.0 43 2.9,3.5b
ISC Event type ke.
JMA Event type ke. FAR E OFF FUKUSHIMA PREF.
ISC VI 02 14 46 12.5–3.6 36.98N–.05 142.71E–.10 13–22 3.5b 34 2-57
IDC VI 02 14 46 10.2–2.1 36.95N 142.83E 0 3.7,3.6b ¶610791103
JMA VI 02 14 46 14.0–.21 37.0N–.50 143E–1.0 43 3.3,3.6b
ISC Event type ke.
JMA Event type ke. FAR E OFF FUKUSHIMA PREF.
ISC VI 02 15 07 01.1–3.4 36.98N–.05 142.68E–.09 14–21 3.6b 38 1-61
IDC VI 02 15 06 58.4–1.9 36.98N 142.94E 0 3.7,3.6b ¶610791105
JMA VI 02 15 07 02.3–.20 37.0N–.50 143E–1.0 44 3.4,3.6b
ISC Event type ke.
JMA Event type ke. FAR E OFF FUKUSHIMA PREF.
ISC VI 03 03 47 02.4–.73 37.21N–.05 142.15E–.06 19 3.8b 34 1-146
IDC VI 03 03 46 59.3–.73 37.16N 142.31E 0 3.9,3.8b ¶610764462
NIED VI 03 03 47 01.4 37.21N 142.28E 34 3.9W,3.8b
JMA VI 03 03 47 01.4–.41 37.2N–1.0 142E–2.0 34 4.2,4.1
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; Mrr-3.31 Mθθ4.34 Mφφ-1.04 Mrθ-4.95 Mθφ-1.14 Mφr3.48 NP1:φs122.00000°,δ75.00000°,λ-74.00000°. NP2:φs256.00000°,δ22.00000°,λ-135.00000°. M0 7.28000×10^{14}
JMA Event type ke. E OFF FUKUSHIMA PREF .
ISC VI 04 13 57 38.7–1.4 37.57N–.06 144.59E–.09 35 34 3-62
IDC VI 04 13 57 34.4–2.0 37.54N 144.64E 0 3.5b,3.4 ¶610791235
JMA VI 04 13 57 39.7–.27 37.6N–.90 144E–1.0 46 3.5,3.4
ISC Event type ke.
JMA Event type ke. FAR E OFF NORTH HONSHU .
JMA VI 07 22 59 56.4–.26 37.4N–.60 142E–1.0 34–4 3.5
NIED VI 07 22 59 56.4 37.38N 142.04E 34 3.4W ¶610764469
JMA Event type ke. E OFF FUKUSHIMA PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; Mrr-1.01 Mθθ1.16 Mφφ-0.16 Mrθ0.41 Mθφ-0.03 Mφr0.27 NP1:φs256.00000°,δ57.00000°,λ-108.00000°. NP2:φs107.00000°,δ37.00000°,λ-65.00000°. M0 1.20000×10^{14}
ISC VI 08 00 21 48.9–.78 37.87N–.05 144.27E–.07 35 3.7b 74 2-88
IDC VI 08 00 21 43.8–.94 37.73N 144.40E 0 3.8,3.7b ¶610764475
NEIC VI 08 00 21 45.2–1.4 37.77N–.07 144.4E–.10 10–2 4.0b,3.7b
JMA VI 08 00 21 48.2–.23 37.9N–.80 144E–1.0 42 4.1,3.7b
NIED VI 08 00 21 48.2 37.87N 144.13E 42 3.8W,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=25.9km s-min=19.3km az=95.0.
NEIC Event type se. Error ellipse: s-maj=15.8km s-min=12.1km az=90.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. FAR E OFF NORTH HONSHU .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; Mrr-4.75 Mθθ0.09 Mφφ4.66 Mrθ-2.05 Mθφ-0.10 Mφr2.60 NP1:φs160.00000°,δ62.00000°,λ-107.00000°. NP2:φs14.00000°,δ32.00000°,λ-60.00000°. M0 5.73000×10^{14}
JMA VI 12 01 49 47.0–.29 38N–1.0 145E–1.0 41 3.7
¶614847186
JMA Event type ke. FAR E OFF NORTH HONSHU .
ISC VI 13 00 01 45.9–1.7 36.72N–.05 142.28E–.07 20–13 4.1b,3.5s 94 1-146
IDC VI 13 00 01 42.4–.78 36.66N 142.29E 0 3.9,3.9b ¶610764483
JMA VI 13 00 01 43.8–.27 36.7N–.70 142E–1.0 27 4.3,4.0
NIED VI 13 00 01 43.8 36.70N 142.36E 27 4.0W,4.0
NEIC VI 13 00 01 45.9–2.2 36.78N–.07 142.22E–.09 10–2 4.2b,4.0
ISC Event type ke.

JMA Event type ke. E OFF FUKUSHIMA PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}1.05 $M_{\theta\theta}$-0.11 $M_{\phi\phi}$-0.94 $M_{r\theta}$0.22 $M_{\theta\phi}$-0.42 $M_{\phi r}$0.66 NP1:ϕ_s20.00000°,δ61.00000°,λ88.00000°. NP2:ϕ_s205.00000°,δ29.00000°,λ94.00000°. $M_0$1.29000×10^{15}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 23 06 58 53.6–1.4 38.74N–.07 144.22E–.08 50 25 2-63
JMA VI 23 06 58 52.6–.22 38.7N–.80 144E–1.0 50 3.6 **¶610764498**
NIED VI 23 06 58 52.6 38.65N 144.18E 50 3.5W
IDC VI 23 06 59 16.0–19 34.91N 141.83E 0 3.6b,3.4
ISC Event type ke.
JMA Event type ke. FAR E OFF NORTH HONSHU .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-1.70 $M_{\theta\theta}$0.10 $M_{\phi\phi}$1.60 $M_{r\theta}$-1.29 $M_{\theta\phi}$0.27 $M_{\phi r}$-0.28 NP1:ϕ_s38.00000°,δ60.00000°,λ-61.00000°. NP2:ϕ_s170.00000°,δ41.00000°,λ-130.00000°. $M_0$2.06000×10^{14}
IDC Error ellipse: s-maj=547.5km s-min=36.2km az=52.0.
JMA VI 23 12 07 04.1–.20 38.0N–.80 144.2E–1.0 20 3.5
NIED VI 23 12 07 04.1 37.99N 144.20E 20 3.5W **¶610764499**
JMA Event type ke. FAR E OFF NORTH HONSHU .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-1.65 $M_{\theta\theta}$0.28 $M_{\phi\phi}$1.37 $M_{r\theta}$-0.31 $M_{\theta\phi}$0.35 $M_{\phi r}$1.30 NP1:ϕ_s179.00000°,δ65.00000°,λ-103.00000°. NP2:ϕ_s28.00000°,δ28.00000°,λ-64.00000°. $M_0$2.04000×10^{14}

(230) Near south coast of eastern Honshu.

ISC I 03 04 07 09.1–.91 34.12N–.04 139.39E–.05 16–7 25 0-5
JMA I 03 04 07 09.0–.10 34.1N–.30 139.4E–.30 14–0 3.3 **¶614092581**
ISC Event type ke.
JMA Event type fe. NEAR MIYAKEJIMA ISLAND .
ISC I 06 05 44 46.3–.94 34.72N–.05 139.79E–.05 89–7 3.7b 27 0-58
IDC I 06 05 44 39.2–1.5 34.12N 138.66E 0 3.6b,3.5 **¶610236812**
JMA I 06 05 44 46.8–.21 34.7N–.60 139.8E–.70 82–1 3.1,3.5
ISC Event type ke.
JMA Event type ke. SE OFF BOSO PENINSULA .
ISC I 06 09 00 32.6–.84 34.60N–.04 139.90E–.06 126–6 3.4b 34 0-58
IDC I 06 09 00 33.0–.79 34.51N 139.61E 132–6 3.6s,3.5 **¶614097495**
JMA I 06 09 00 33.0–.23 34.6N–.70 139.9E–.90 119–1 2.8,3.5
ISC Event type ke.
JMA Event type ke. SE OFF BOSO PENINSULA .
ISC I 11 08 38 35.1–.49 33.82N–.05 137.12E–.05 355–3 4.0b 178 0-84
MOS I 11 08 38 33.7–.88 33.74N 137.18E 361 4.1b **¶610180875**
JMA I 11 08 38 34.2–.26 34N–1.0 137E–1.0 370–2 3.0
NEIC I 11 08 38 34.8–1.7 33.76N–.09 137.18E–.05 352–7 4.1b
IDC I 11 08 38 34.8–.69 33.78N 137.15E 354–6 4.3,3.5b
ISC Event type ke.
MOS Error ellipse: s-maj=11.5km s-min=6.8km az=112.9.
JMA Event type ke. SE OFF KII PENINSULA .
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=5.6km az=162.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=10.5km s-min=8.9km az=94.0.
ISC I 18 13 08 17.9–.84 35.67N–.04 139.97E–.04 67–7 3.5b 35 0-56
IDC I 18 13 08 16.7–2.0 35.60N 140.07E 53–19 3.6,3.3b **¶614110118**
JMA I 18 13 08 17.7–.19 35.8N–.50 140.0E–.70 60–1 3.2,3.3b
ISC Event type ke.
JMA Event type fe. NORTHERN CHIBA PREF .
ISC I 25 06 19 09.3–.88 35.08N–.04 139.68E–.07 113–6 3.6b 34 0-59
IDC I 25 06 19 02.1–1.1 34.26N 137.75E 0 3.8,3.8b **¶610235302**
JMA I 25 06 19 08.3–.27 35.1N–.80 140E–1.0 115–2 3.2,3.8b
ISC Event type ke.
JMA Event type ke. SAGAMINADA .
ISC I 26 03 13 26.5–.88 34.04N–.10 137.20E–.07 351–6 2.9b 29 0-68
IDC I 26 03 13 25.4–1.4 33.92N 137.22E 338–10 3.4,2.7b **¶610235360**
JMA I 26 03 13 25.4–.37 34N–2.0 137E–2.0 357–3 3.1,2.7b
ISC Event type ke.
JMA Event type ke. SE OFF KII PENINSULA .
ISC II 12 17 59 36.8–.98 33.8N–.10 137.16E–.07 350 2.9b 22 1-70
JMA II 12 17 59 33.0–.21 34N–3.0 137E–2.0 393 2.8 **¶614132403**
IDC II 12 17 59 36.8–1.4 33.82N 137.14E 357–13 3.4,2.8b
ISC Event type ke.
JMA Event type ke. SE OFF KII PENINSULA .
IDC Error ellipse: s-maj=28.1km s-min=24.3km az=92.0.
ISC II 27 01 52 44.1–.61 33.32N–.06 137.82E–.06 338–5 3.8b 116 1-118
JMA II 27 01 52 43.3–.20 33N–2.0 138E–2.0 356 3.2 **¶610243857**
NEIC II 27 01 52 43.3–1.7 33.31N–.10 137.9E–.10 330–8 4.0b
IDC II 27 01 52 45.1–.86 33.39N 137.73E 339–7 4.1,3.4b
ISC Event type ke.
JMA Event type ke. FAR S OFF TOKAI DISTRICT.
NEIC Event type se. Error ellipse: s-maj=15.9km s-min=11.0km az=137.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=16.1km s-min=10.5km az=81.0.
ISC III 04 15 49 30.2–1.1 35.47N–.06 139.55E–.08 137–7 27 0-55
IDC III 04 15 49 30.9–2.5 35.33N 139.34E 134–21 3.3,2.8b **¶610545537**
JMA III 04 15 49 30.5–.21 35.5N–.70 139.6E–.90 131–1 2.8,2.8b
ISC Event type ke.
JMA Event type ke. TOKYO BAY REGION .
JMA III 15 17 05 51.2–.09 35.0N–.20 138.0E–.20 33–0 0.5
¶614158513
JMA Event type ke. SW SHIZUOKA PREF .
ISC III 17 18 15 04.0–.87 33.86N–.08 137.29E–.07 347 2.9b 25 0-57
JMA III 17 18 15 00.0–.21 34N–3.0 137E–2.0 384 3.0 **¶610546403**
IDC III 17 18 15 04.1–1.1 33.86N 137.17E 338–13 3.4,2.7b
ISC Event type ke.
JMA Event type ke. SE OFF KII PENINSULA .
IDC Error ellipse: s-maj=23.9km s-min=17.2km az=63.0.
ISC III 18 08 58 34.4–1.1 34.6N–.10 137.2E–.10 400 17 1-68
JMA III 18 08 58 35.9–.16 34N–2.0 137E–2.0 359 2.5 **¶610546439**
IDC III 18 08 58 36.2–1.2 35.17N 136.82E 418–16 3.4,2.7b
ISC Event type ke.
JMA Event type ke. ENSYUNADA .
IDC Error ellipse: s-maj=56.4km s-min=24.2km az=118.0.
ISC III 30 06 08 22.3–.77 34.47N–.07 137.78E–.06 310–6 3.6b 54 0-70
IDC III 30 06 08 21.4–.77 34.33N 137.98E 302–9 4.1,3.3b **¶610543974**
JMA III 30 06 08 21.8–.38 34N–2.0 138E–2.0 317–3 3.3,3.3b
ISC Event type ke.
JMA Event type ke. ENSYUNADA .
ISC IV 01 14 26 55.5–.87 35.76N–.07 139.23E–.08 134–6 3.7b 24 0-69
IDC IV 01 14 26 55.3–1.5 35.66N 139.17E 128–12 3.8,3.4b **¶610651708**
JMA IV 01 14 26 57.0–.13 35.7N–.50 139.2E–.60 126–0 3.2,3.4b
ISC Event type ke.
JMA Event type ke. TOKYO PREF .
ISC IV 09 12 00 10.9–.89 33.13N–.10 137.97E–.08 350 2.8b 26 1-69
JMA IV 09 12 00 09.1–.28 33N–3.0 138E–2.0 355 2.9 **¶610652298**
IDC IV 09 12 00 11.0–1.8 33.02N 137.82E 344–19 3.4,2.7b
ISC Event type ke.
JMA Event type ke. FAR S OFF TOKAI DISTRICT.
IDC Error ellipse: s-maj=22.9km s-min=17.1km az=72.0.
JMA IV 12 02 02 21.9–.09 35N–2.0 138E–1.0 240 2.4
¶614793769
JMA Event type ke. SOUTHERN SURUGA BAY REG .
ISC IV 16 02 10 34.7–.94 34.5N–.10 137.02E–.07 300 3.0b 19 1-58
IDC IV 16 02 10 34.2–1.7 34.42N 136.95E 320–18 3.3,2.7b **¶610652840**
JMA IV 16 02 10 34.3–.35 35N–2.0 137E–2.0 328–3 3.2,2.7b
ISC Event type ke.
JMA Event type ke. MIKAWA BAY REGION .
ISC IV 16 05 28 17.0–.72 35.68N–.05 139.71E–.07 125–5 4.1b 84 0-80
IDC IV 16 05 28 15.3–1.8 35.68N 139.89E 118–13 3.9,3.6b **¶610619269**
NEIC IV 16 05 28 17.4–1.9 35.62N–.06 139.73E–.08 119–6 4.4b,3.6b
NIED IV 16 05 28 17.7 35.62N 139.66E 120 3.9W,3.6b
JMA IV 16 05 28 17.7–.20 35.6N–.60 139.7E–.80 120–1 3.7,3.6b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}0.70 $M_{\theta\theta}$-8.46 $M_{\phi\phi}$7.75 $M_{r\theta}$2.45 $M_{\theta\phi}$-0.51 $M_{\phi r}$1.05 NP1:ϕ_s223.00000°,δ86.00000°,λ-16.00000°. NP2:ϕ_s314.00000°,δ74.00000°,λ-176.00000°. $M_0$8.51000×10^{14}
JMA Event type ke. TOKYO PREF .
ISC IV 18 16 16 11.1–1.2 35.55N–.06 139.60E–.07 130–8 27 0-59
JMA IV 18 16 16 11.7–.20 35.6N–.70 139.7E–.90 122–1 3.1 **¶610652989**
IDC IV 18 16 16 13.2–5.2 35.05N 138.72E 114–98 3.4,3.1b
ISC Event type ke.
JMA Event type ke. TOKYO PREF .
IDC Error ellipse: s-maj=107.8km s-min=89.8km az=5.0.
ISC IV 24 13 58 22.0–.80 34.89N–.03 137.89E–.03 34–2 4.2b 63 0-69
IDC IV 24 13 58 16.8–1.0 34.81N 137.57E 0 3.9b,3.8 **¶610548734**
NEIC IV 24 13 58 22.4–1.5 34.87N–.04 137.88E–.07 41–3 4.3b,3.8
NIED IV 24 13 58 22.2 34.90N 137.91E 34 3.9W,3.8
JMA IV 24 13 58 22.2–.07 34.9N–.20 137.9E–.20 34–0 3.9,3.8
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}0.45 $M_{\theta\theta}$-1.55 $M_{\phi\phi}$1.11 $M_{r\theta}$-6.15 $M_{\theta\phi}$2.29 $M_{\phi r}$-1.02 NP1:ϕ_s260.00000°,δ88.00000°,λ67.00000°. NP2:ϕ_s164.00000°,δ23.00000°,λ174.00000°. $M_0$6.78000×10^{14}
JMA Event type fe. SW SHIZUOKA PREF .
ISC IV 27 16 48 17.9–1.2 34.25N–.04 138.38E–.03 28–11 28 0-4
JMA IV 27 16 48 16.8–.16 34.2N–.50 138.4E–.60 39–2 2.6 **¶612489588**
ISC Event type ke.
JMA Event type ke. S OF SURUGA BAY .
ISC V 10 21 13 20.9–.54 34.59N–.05 138.54E–.05 224–4 4.1b 376 0-150
NIED V 10 21 13 20.0 34.58N 138.67E 227 4.1W **¶610623476**
JMA V 10 21 13 20.0–.20 34.6N–.90 138.7E–.90 227–1 4.0,3.8
MOS V 10 21 13 19.3–.83 34.54N 138.56E 225 4.1b,3.8
NEIC V 10 21 13 20.8–1.2 34.61N–.06 138.61E–.08 220–6 4.2b,3.8
IDC V 10 21 13 20.9–.43 34.58N 138.46E 223–3 4.2,3.6b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.83 $M_{\theta\theta}$-0.32 $M_{\phi\phi}$-0.50 $M_{r\theta}$-0.44 $M_{\theta\phi}$-0.31 $M_{\phi r}$-1.35 NP1:ϕ_s201.00000°,δ76.00000°,λ84.00000°. NP2:ϕ_s46.00000°,δ15.00000°,λ114.00000°. $M_0$1.62000×10^{15}
JMA Event type ke. S OF SURUGA BAY .
MOS Error ellipse: s-maj=9.3km s-min=6.4km az=111.1.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=9.4km az=94.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=10.1km s-min=6.4km az=71.0.
ISC V 13 13 08 50.5–.76 34.02N–.07 137.19E–.06 362–7 3.5b 41 0-70
IDC V 13 13 08 50.5–.58 34.01N 137.21E 363–7 4.0,3.3b **¶610690195**
JMA V 13 13 08 50.5–.32 34N–1.0 137E–1.0 368–2 3.3,3.3b
ISC Event type ke.
JMA Event type ke. ENSYUNADA .
ISC V 22 02 40 13.7–.90 34.51N–.03 139.44E–.05 13–6 23 0-54
IDC V 22 02 40 12.9–1.7 34.37N 139.34E 0 3.4,3.4b **¶610685115**
JMA V 22 02 40 13.6–.07 34.5N–.20 139.4E–.40 13–1 2.9,3.4b
ISC Event type ke.
JMA Event type fe. NEAR NIIJIMA ISLAND .
ISC V 22 02 40 54.6–.97 34.55N–.02 139.44E–.05 12–6 3.7b,3.5s 29 0-87
IDC V 22 02 40 53.9–1.4 34.37N 139.25E 0 3.7,3.6b **¶614828393**
JMA V 22 02 40 54.8–.06 34.5N–.20 139.4E–.30 13–1 3.1,3.6b
ISC Event type ke.
JMA Event type ke. NEAR NIIJIMA ISLAND .
ISC V 22 03 25 47.4–.63 34.51N–.02 139.45E–.03 11–3 4.4b,3.6s 130 0-149
IDC V 22 03 25 45.5–.54 34.48N 139.52E 0 4.1b,4.0 **¶610646112**
NEIC V 22 03 25 46.8 34.45N 139.43E 8 4.1b,4.0
NEIC V 22 03 25 47.1–1.9 34.45N–.04 139.45E–.05 10–1 4.5b,4.3
NIED V 22 03 25 47.4 34.54N 139.43E 14 4.2W,4.3
JMA V 22 03 25 47.4–.04 34.5N–.10 139.4E–.20 14–0 4.5,4.3W
ISC Event type ke.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-0.64 $M_{\theta\theta}$-1.03 $M_{\phi\phi}$1.67 $M_{r\theta}$1.37 $M_{\theta\phi}$-2.69 $M_{\phi r}$0.44 NP1:ϕ_s286.44000°,δ75.24000°,λ-156.38000°. NP2:ϕ_s190.08000°,δ67.20000°,λ-16.04000°. Principal axes: T 3.3660,Plg5.0000°,Azm57.0000°; N 0.0405,Plg62.0000°,Azm317.0000°; P -3.4065,Plg27.0000°,Azm150.0000° $M_0$3.39000×10^{15}
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.43 $M_{\theta\theta}$-2.10 $M_{\phi\phi}$1.67 $M_{r\theta}$0.93 $M_{\theta\phi}$-1.40 $M_{\phi r}$-0.60 NP1:ϕ_s115.00000°,δ83.00000°,λ154.00000°. NP2:ϕ_s208.00000°,δ64.00000°,λ8.00000°. $M_0$2.62000×10^{15}
JMA Event type fe. NEAR NIIJIMA ISLAND .
ISC V 22 04 04 24.0–.96 34.54N–.02 139.46E–.04 11–6 3.4b 29 0-54
IDC V 22 04 04 19.6–2.9 34.63N 140.19E 0 3.4,3.4b **¶610685124**
JMA V 22 04 04 23.9–.05 34.5N–.10 139.4E–.30 13–0 2.8,3.4b
ISC Event type ke.
JMA Event type ke. NEAR NIIJIMA ISLAND .
ISC V 22 09 42 58.6–1.1 34.75N–.04 139.31E–.05 7–12 15 0-3
JMA V 22 09 42 58.2–.16 34.8N–.20 139.3E–.20 0–1 2.7 **¶612489783**
ISC Event type ke.
JMA Event type fe. NEAR IZU-OSHIMA ISLAND .
JMA V 22 11 01 52.2–.16 34.5N–.40 139.4E–.60 13–2 1.0
¶614828695
JMA Event type ke. NEAR NIIJIMA ISLAND .
ISC V 26 17 43 15.5–.94 33.56N–.10 137.58E–.08 352 3.0b 32 1-70
JMA V 26 17 43 11.0–.47 33N–2.0 138E–1.0 385–4 2.9 **¶610685442**
IDC V 26 17 43 15.8–1.6 33.53N 137.53E 351–19 3.6,2.9b
ISC Event type ke.
JMA Event type ke. FAR S OFF SHIZUOKA PREF .
IDC Error ellipse: s-maj=44.8km s-min=15.3km az=69.0.
ISC V 28 06 18 21.1–.52 35.82N–.04 139.62E–.05 123–4 4.4b 204 0-92
MOS V 28 06 18 19.7–.99 35.86N 139.69E 125 4.3b **¶611401220**
BJI V 28 06 18 20.1–.00 35.80N 139.69E 146 4.7b,4.7b
IDC V 28 06 18 21.9–.71 35.73N 139.50E 130–6 4.3,3.9b
JMA V 28 06 18 22.6–.17 35.8N–.60 139.6E–.80 123–1 4.2,4.0
NEIC V 28 06 18 22.5–1.7 35.84N–.05 139.54E–.08 129–6 4.5b,4.0
NIED V 28 06 18 22.6 35.80N 139.60E 123 4.1W,4.0
ISC Event type ke.
MOS Error ellipse: s-maj=9.7km s-min=5.6km az=103.8.
IDC Error ellipse: s-maj=15.0km s-min=6.3km az=71.0.
JMA Event type fe. EASTERN SAITAMA PREF .
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=6.3km az=109.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.27 $M_{\theta\theta}$-0.40 $M_{\phi\phi}$0.67 $M_{r\theta}$1.10 $M_{\theta\phi}$0.20 $M_{\phi r}$0.91 NP1:ϕ_s223.00000°,δ85.00000°,λ-69.00000°. NP2:ϕ_s332.00000°,δ22.00000°,λ-165.00000°. $M_0$1.56000×10^{15}
ISC VI 17 17 44 46.9–.68 34.37N–.07 137.33E–.05 322–5 3.2b 55 0-151
JMA VI 17 17 44 46.6–.23 34N–1.0 137.3E–1.0 326–1 3.5 **¶610764488**
IDC VI 17 17 44 46.2–.84 34.21N 137.36E 313–9 3.7,3.0b
NIED VI 17 17 44 46.6 34.35N 137.30E 326 3.8W,3.0b
ISC Event type ke.
JMA Event type ke. ENSYUNADA .
IDC Error ellipse: s-maj=16.1km s-min=13.2km az=104.0.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}4.58 $M_{\theta\theta}$-1.54 $M_{\phi\phi}$-3.05 $M_{r\theta}$-0.13 $M_{\theta\phi}$0.79 $M_{\phi r}$-3.80 NP1:ϕ_s173.00000°,δ67.00000°,λ98.00000°. NP2:ϕ_s333.00000°,δ24.00000°,λ72.00000°. $M_0$5.47000×10^{14}
ISC VI 18 13 36 48.0–.84 34.89N–.06 139.49E–.07 119–6 3.5b 30 0-75
IDC VI 18 13 36 44.8–2.4 34.86N 139.91E 101–15 3.6,3.3b **¶610792123**
JMA VI 18 13 36 48.0–.21 34.9N–.80 139.5E–.90 116–1 3.0,3.3b
ISC Event type ke.
JMA Event type ke. SAGAMINADA .
ISC VI 25 13 29 01.2–1.1 33.9N–.10 137.1E–.10 350 2.6b 20 1-54
JMA VI 25 13 28 55.3–.12 34N–2.0 137E–1.0 406 3.0 **¶610789449**
IDC VI 25 13 29 00.8–1.9 33.81N 137.09E 343–28 3.3,2.6b

ISC Event type ke.
JMA Event type ke. SE OFF KII PENINSULA .
IDC Error ellipse: s-maj=58.4km s-min=26.4km az=52.0.
ISC VI 28 02 33 45.8–.94 34.5N–.10 137.3E–.10 326–7 3.2b 15 0-79
IDC VI 28 02 33 45.5–.87 34.54N 137.37E 320–9 3.6,3.1b ¶610789610
JMA VI 28 02 33 46.9–.05 35N–4.0 137E–2.0 322 2.6,3.1b
ISC Event type ke.
JMA Event type ke. MIKAWA BAY REGION .

SEISMIC REGION 20.
Southwestern Japan and Ryukyu Islands.

(231) South Korea.
ISC II 15 17 34 56.3–1.3 35.76N–.05 129.19E–.04 11–11 20 0-6
KMA II 15 17 34 56.4–.30 35.78N 129.20E 15–2 ¶612533435
JMA II 15 17 34 56.8–.61 36N–2.0 129E–2.0 28 3.0
KEA II 15 17 34 57.5 35.91N 129.08E 15 2.9L
ISC Event type ke.
KMA Error ellipse: s-maj=1.4km s-min=1.1km az=107.0.
JMA Event type ke. S KOREAN PENINSULA REG .
ISC III 04 22 52 04.0–.93 35.74N–.03 129.19E–.04 10 31 0-2
KMA III 04 22 52 04.6–.02 35.75N 129.17E 16–0 ¶612533449
JMA III 04 22 52 04.3–.12 35.7N–.50 129E–1.0 3–1 2.6
ISC Event type ke.
JMA Event type ke. S KOREAN PENINSULA REG .
ISC III 18 18 01 14.2–1.0 33.29N–.08 127.20E–.04 10 11 1-2
JMA III 18 18 01 13.2–.30 33.3N–.70 127E–2.0 25 3.1 ¶612533458
KMA III 18 18 01 14.3–.31 33.30N 127.20E 18–0 3.1
ISC Event type ke.
JMA Event type ke. S KOREAN PENINSULA REG .
KMA Error ellipse: s-maj=5.8km s-min=1.1km az=314.0.
ISC III 31 04 46 08.9–1.0 35.77N–.04 129.24E–.05 10 16 0-2
JMA III 31 04 46 09.6–.67 36N–2.0 129E–3.0 21 3.6 ¶612533468
KMA III 31 04 46 09.9–.37 35.78N 129.20E 18–3 3.6
ISC Event type ke.
JMA Event type ke. S KOREAN PENINSULA REG .
KMA Error ellipse: s-maj=1.7km s-min=1.6km az=29.0.
ISC IV 08 09 20 47.8–1.6 35.79N–.08 129.27E–.09 10 6 0-2
JMA IV 08 09 20 47.3–.67 36N–2.0 129E–3.0 0 2.8 ¶612533533
KMA IV 08 09 20 49.2–.13 35.77N 129.19E 14–1 2.8
ISC Event type ke.
JMA Event type ke. S KOREAN PENINSULA REG .
KMA Error ellipse: s-maj=1.4km s-min=0.8km az=32.0.
ISC IV 15 02 31 12.4–1.1 36.14N–.03 129.36E–.05 10 41 0-4
KEA IV 15 02 31 11.2 36.19N 129.41E 15 3.5L ¶612533588
KMA IV 15 02 31 13.4–.02 36.10N 129.33E 0–0 3.5L
ISC Event type ke.
KMA Error ellipse: s-maj=0.6km s-min=0.3km az=276.0.
ISC IV 20 07 00 18.6–1.5 33.85N–.04 127.35E–.03 3–14 34 1-7
KEA IV 20 07 00 18.1 33.80N 127.31E 16 3.0L ¶612533626
JMA IV 20 07 00 21.2–.27 33.7N–.60 127E–1.0 19 3.2
KMA IV 20 07 00 21.0–.34 33.78N 127.28E 0 3.2
ISC Event type ke.
JMA Event type ke. S KOREAN PENINSULA REG .
KMA Error ellipse: s-maj=4.2km s-min=1.6km az=121.0.
ISC IV 27 20 54 29.3–.93 33.29N–.06 127.85E–.03 10 27 1-2
KMA IV 27 20 54 29.9–.99 33.33N 127.85E 5–3 ¶612533644
JMA IV 27 20 54 29.2–.26 33.3N–.90 128E–2.0 13–4 2.6
ISC Event type ke.
JMA Event type ke. S KOREAN PENINSULA REG .
ISC V 05 14 16 18.0–1.4 35.32N–.05 127.53E–.05 10–13 22 0-5
KEA V 05 14 16 20.1 35.38N 127.40E 15 3.6L ¶612533678
KMA V 05 14 16 21.1–.11 35.32N 127.43E 16–1 3.6L
JMA V 05 14 16 27.2–.27 35N–1.0 128E–1.0 14 3.6
ISC Event type ke.
JMA Event type ke. S KOREAN PENINSULA REG .
ISC V 20 13 29 33.3–1.1 37.75N–.04 129.61E–.04 10 36 1-5
KMA V 20 13 29 33.1–.11 37.75N 129.68E 2–0 ¶612533774
KEA V 20 13 29 35.5 37.73N 129.51E 16 3.5L
ISC Event type ke.
KMA Error ellipse: s-maj=1.8km s-min=0.5km az=245.0.
ISC V 28 06 47 38.2–1.7 35.65N–.06 129.6E–.10 10 8 1-1
JMA V 28 06 47 37.8–.18 35.6N–.60 129.6E–.70 0 2.6 ¶612533819
KMA V 28 06 47 38.5–.13 35.67N 129.57E 22–1 2.6
ISC Event type ke.
JMA Event type ke. S KOREAN PENINSULA REG .
KMA Error ellipse: s-maj=2.2km s-min=1.0km az=285.0.

(232) Western Honshu.
ISC I 02 18 35 21.7–.34 34.02N–.04 136.46E–.03 372–3 4.5b 667 0-168
MOS I 02 18 35 20.9–.93 34.02N 136.39E 374 4.6b ¶611831445
IDC I 02 18 35 21.6–.44 33.95N 136.41E 372–4 4.7,3.9b
BJI I 02 18 35 21.0–.00 34.06N 136.43E 387 4.7b,4.6b
NIED I 02 18 35 21.2 34.02N 136.47E 385 5.0W,4.6b
JMA I 02 18 35 21.2–.18 34.0N–.90 136.5E–.70 385–1 5.0W,5.0
NEIC I 02 18 35 21.2–1.4 34.03N–.08 136.42E–.09 377–6 4.5b,5.0
ISC Event type ke. Moment Tensor Solution. NP1:ϕs83.76045°,δ59.95602°,λ-177.13901°. NP2: ϕs352.32715°,δ87.52367°,λ-30.07496°. Principal axes: T Plg18.8730°,Azm42.0357° ; N Plg59.8328°,Azm168.0602°; P Plg22.6174°,Azm303.8478°
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.88 $M_{\theta\theta}$3.09 $M_{\phi\phi}$-2.21 $M_{r\theta}$0.65 $M_{\theta\phi}$-1.13 $M_{\phi r}$-2.12 NP1:ϕs322.00000°,δ77.00000°,λ-37.00000°. NP2:ϕs62.00000° ,δ54.00000°,λ-164.00000°. $M_0$3.71000×10^{16}
JMA Event type fe. SE OFF KII PENINSULA .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA I 08 19 46 14.9–.03 35.4N–.10 133.84E–.09 12–0 0.8
¶614100866
JMA Event type ke. EASTERN TOTTORI PREF .
JMA I 08 19 46 30.5–.06 35.4N–.20 133.8E–.10 11–0 0.3
¶614100869
JMA Event type ke. EASTERN TOTTORI PREF .
ISC I 09 21 52 30.5–.97 35.79N–.04 136.95E–.06 10 14 0-3
NIED I 09 21 52 30.2 35.80N 136.92E 10 3.5W ¶610051539
JMA I 09 21 52 30.2–.03 35.80N–.09 136.9E–.10 10–0 3.8
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}0.46 $M_{\theta\theta}$1.72 $M_{\phi\phi}$-2.18 $M_{r\theta}$-0.03 $M_{\theta\phi}$-0.79 $M_{\phi r}$0.30 NP1:ϕs146.00000°,δ88.00000°,λ-7.00000°. NP2:ϕs236.00000° ,δ83.00000°,λ-178.00000°. $M_0$2.13000×10^{14}
JMA Event type fe. FUKUI GIFU BORDER REGION.
JMA I 11 04 12 34.0–.16 35.5N–.60 135.7E–.70 9–1 0.3
¶615957609
JMA Event type ke. WESTERN FUKUI PREF .
JMA I 15 12 15 05.8–.05 35.1N–.10 135.9E–.10 12–0 0.5
¶614107225
JMA Event type ke. NW SHIGA PREF .
ISC II 04 10 02 07.4–.73 34.49N–.08 136.20E–.06 371–6 3.3b 38 0-95
IDC II 04 10 02 07.7–.94 34.48N 136.21E 377–8 3.7,3.0b ¶610414804
JMA II 04 10 02 07.6–.10 34.5N–.60 136.2E–.50 369–0 3.4,3.0b
ISC Event type ke.
JMA Event type ke. NORTHERN MIE PREF .
ISC II 05 18 15 57.9–1.0 34.6N–.10 136.30E–.08 350 22 0-54
IDC II 05 18 15 57.3–1.5 34.48N 136.40E 360–17 3.3,2.6b ¶610414901
JMA II 05 18 15 58.1–.19 34.7N–.80 136.3E–.70 358–1 2.7,2.6b
ISC Event type ke.
JMA Event type ke. NORTHERN MIE PREF .
ISC II 09 22 59 42.4–.65 35.03N–.07 136.59E–.06 346–5 3.7b 57 0-94
JMA II 09 22 59 42.4–.15 35.1N–.80 136.5E–.80 349–1 3.4 ¶610415204
IDC II 09 22 59 42.3–1.2 34.94N 136.55E 348–12 4.0,3.3b
ISC Event type ke.
JMA Event type ke. NORTHERN MIE PREF .
IDC Error ellipse: s-maj=14.4km s-min=10.4km az=100.0.
JMA II 16 21 45 45.5–.04 35.4N–.10 133.8E–.10 9–0 0.7
¶614135959
JMA Event type ke. EASTERN TOTTORI PREF .
ISC II 20 22 31 13.3–1.0 34.7N–.10 136.74E–.09 350 19 0-54
IDC II 20 22 31 12.7–1.2 34.60N 136.76E 335–21 3.6,3.0b ¶610384710
JMA II 20 22 31 13.4–.28 35N–1.0 136.7E–.90 347–2 2.8,3.0b
ISC Event type ke.
JMA Event type ke. ISE BAY REGION .
JMA II 25 16 04 45.6–.19 35.5N–.50 134.0E–.30 15–1 0.7
¶614142509
JMA Event type ke. EASTERN TOTTORI PREF .
JMA II 27 02 18 52.2–.04 35.5N–.20 136.0E–.10 12–0 0.6
¶614143961
JMA Event type ke. WESTERN FUKUI PREF .
ISC III 10 14 58 12.1–1.1 35.8N–.20 135.5E–.10 350 8 0-55
JMA III 10 14 58 12.7–.17 36N–2.0 135E–1.0 352–1 2.6 ¶610545966
IDC III 10 14 58 12.1–1.4 35.91N 135.56E 369–24 3.0,2.4b
ISC Event type ke.
JMA Event type ke. NW OFF KINKI DISTRICT .
IDC Error ellipse: s-maj=54.4km s-min=24.4km az=40.0.
JMA III 11 19 59 06.7–.04 35.4N–.20 133.8E–.10 9–0 0.7
¶614155329
JMA Event type ke. EASTERN TOTTORI PREF .
JMA III 17 05 48 30.7–.13 35.4N–.50 133.8E–.50 12–1 0.3
¶614159708
JMA Event type ke. EASTERN TOTTORI PREF .
JMA III 20 08 23 53.8–.08 35.3N–.20 133.7E–.20 8–1 -0.1
¶614162606
JMA Event type ke. EASTERN TOTTORI PREF .
ISC III 27 10 22 20.1–.50 34.29N–.05 136.97E–.04 348–4 4.3b 250 0-151
JMA III 27 10 22 19.7–.16 34.4N–.80 137.0E–.70 353–1 3.8 ¶610436972
NIED III 27 10 22 19.7 34.37N 136.97E 353 4.4W
NEIC III 27 10 22 20.1–1.7 34.29N–.08 136.94E–.09 341–6 4.4b
BGR III 27 10 22 20.4 34.22N 137.01E 347 6.6,6.2b
IDC III 27 10 22 20.1–.72 34.26N 136.98E 347–6 4.5,3.8b
ISC Event type ke.
JMA Event type ke. ENSYUNADA .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.88 $M_{\theta\theta}$0.48 $M_{\phi\phi}$-1.36 $M_{r\theta}$1.49 $M_{\theta\phi}$-0.98 $M_{\phi r}$-3.83 NP1:ϕs162.00000°,δ85.00000°,λ72.00000°. NP2:ϕs56.00000° ,δ19.00000°,λ163.00000°. $M_0$4.38000×10^{15}
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=9.7km az=137.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BGR Event type ke.
IDC Error ellipse: s-maj=10.1km s-min=7.6km az=123.0.
JMA IV 01 20 44 20.4–.06 35.4N–.30 133.8E–.20 8–0 -0.1
¶614786089
JMA Event type ke. EASTERN TOTTORI PREF .
JMA IV 02 01 37 35.4–.04 35.3N–.20 133.7E–.20 6–1 0.8
¶614786210
JMA Event type ke. EASTERN TOTTORI PREF .
ISC IV 18 11 21 46.2–.76 34.02N–.08 136.74E–.07 372–6 3.2b 47 0-80
IDC IV 18 11 21 46.0–.87 33.98N 136.79E 371–9 3.9,3.1b ¶610652976
JMA IV 18 11 21 46.1–.29 34N–1.0 137E–1.0 377–2 3.1,3.1b
ISC Event type ke.
JMA Event type ke. SE OFF KII PENINSULA .
JMA IV 30 02 01 21.2–.07 35.1N–.20 135.6E–.20 13–0 0.1
¶614808400
JMA Event type ke. MID KYOTO PREF .
JMA V 01 14 24 50.5–.13 35.4N–.30 133.7E–.20 13–1 0.2
¶614809887
JMA Event type ke. EASTERN TOTTORI PREF .
JMA V 05 05 17 31.8–.05 34.5N–.10 132.6E–.10 28–0 0.7
¶614813536
JMA Event type ke. WESTERN HIROSHIMA PREF .
ISC V 10 14 11 40.1–.85 35.39N–.04 136.85E–.05 42–6 3.5b 22 0-94
NIED V 10 14 11 40.3 35.39N 136.86E 42 3.7W ¶610667656
JMA V 10 14 11 40.3–.04 35.4N–.10 136.9E–.10 42–0 3.9
IDC V 10 14 11 41.2–1.8 35.47N 136.75E 56–21 3.4,3.2b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}3.33 $M_{\theta\theta}$-1.76 $M_{\phi\phi}$-1.57 $M_{r\theta}$0.66 $M_{\theta\phi}$-1.26 $M_{\phi r}$-3.02 NP1:ϕs194.00000°,δ66.00000°,λ68.00000°. NP2:ϕs60.00000° ,δ32.00000°,λ131.00000°. $M_0$4.22000×10^{14}
JMA Event type fe. SW GIFU PREF .
IDC Error ellipse: s-maj=37.1km s-min=13.4km az=144.0.
ISC V 27 13 50 06.5–.59 35.95N–.03 135.57E–.03 27–4 4.5b,4.3s 263 0-100
BJI V 27 13 50 01.8–.00 35.91N 135.96E 30 4.8b,4.8s ¶610655143
IDC V 27 13 50 02.4–.51 36.00N 135.44E 0 4.2,4.2b
MOS V 27 13 50 02.6–1.6 35.90N 135.39E 14 4.8b,4.5s
NIED V 27 13 50 04.0 36.07N 135.54E 17 4.8W,4.5s
JMA V 27 13 50 04.0–.04 36.1N–.20 135.5E–.10 17–0 5.1,4.8W
NEIC V 27 13 50 04.3–2.0 35.98N–.05 135.53E–.06 10–1 4.8b,4.8W
GCMT V 27 13 50 07.3–.20 36.06N–.01 135.41E–.01 12 4.8W,4.8W
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.05 $M_{\theta\theta}$1.35 $M_{\phi\phi}$-1.30 $M_{r\theta}$-0.85 $M_{\theta\phi}$-0.87 $M_{\phi r}$0.33 NP1:ϕs334.00000°,δ76.00000°,λ20.00000°. NP2:ϕs239.00000° ,δ71.00000°,λ165.00000°. $M_0$1.79000×10^{16}
JMA Event type fe. NW OFF KINKI DISTRICT .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s28,c32; s107,c166;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.09±.06 $M_{\theta\theta}$1.62±.06; $M_{\phi\phi}$-1.53±.05; $M_{r\theta}$-0.11±.16; $M_{\theta\phi}$-1.25±.05; $M_{\phi r}$-0.99±.15; Best double couple: NP1:ϕs332.00000°,δ79.00000°,λ-21.00000°. NP2:ϕs67.00000°,δ69.00000°,λ-168.00000°. Principal axes: T 2.0810,Plg6.0000° ,Azm21.0000°; N 0.2960,Plg66.0000°,Azm126.0000°; P -2.3770,Plg23.0000°,Azm288.0000° $M_0$2.22900×10^{16}
JMA V 30 08 36 35.0–.04 35.4N–.10 133.8E–.10 10–0 0.2
¶614835938
JMA Event type ke. EASTERN TOTTORI PREF .
JMA V 30 10 15 27.6–.08 35.4N–.30 133.8E–.20 8–1 -0.2
¶614835997
JMA Event type ke. EASTERN TOTTORI PREF .
JMA VI 25 23 39 05.0–.03 35.8N–.10 136.4E–.10 10–0 1.0
¶614862777
JMA Event type ke. CENTRAL FUKUI PREF .
JMA VI 29 22 04 00.4–.04 35.2N–.10 132.7E–.10 8–0 0.7
¶614868678
JMA Event type ke. SHIMANE HIROSHIMA BORDER.

(233) Near south coast of western Honshu.
JMA I 07 02 56 37.8–.06 33.7N–.50 135.0E–.20 10–2 0.7
¶614098597
JMA Event type ke. S PART OF KII CHANNEL .
ISC I 15 15 52 25.9–1.0 34.18N–.05 135.74E–.04 60–6 27 0-54
IDC I 15 15 52 25.1–1.4 34.13N 135.72E 49–23 3.4,3.2L ¶610207613
JMA I 15 15 52 26.2–.09 34.2N–.20 135.8E–.30 59–0 3.5,3.2L
NIED I 15 15 52 26.2 34.20N 135.75E 59 3.4W,3.2L
ISC Event type ke.
IDC Error ellipse: s-maj=24.7km s-min=10.4km az=152.0.
JMA Event type fe. SOUTHERN NARA PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-0.32 $M_{\theta\theta}$1.32 $M_{\phi\phi}$-1.00 $M_{r\theta}$0.54 $M_{\theta\phi}$-0.97 $M_{\phi r}$-0.42 NP1:ϕs155.00000°,δ87.00000°,λ21.00000°. NP2:ϕs64.00000° ,δ69.00000°,λ177.00000°. $M_0$1.63000×10^{14}
ISC II 10 01 27 12.4–.82 34.98N–.09 135.84E–.09 350 3.0b 24 0-68
IDC II 10 01 27 12.4–1.7 34.88N 135.88E 358–17 3.7,2.9b ¶610415207
JMA II 10 01 27 12.9–.16 35.0N–.90 135.8E–.90 353–1 3.0,2.9b
ISC Event type ke.
JMA Event type ke. KYOTO OSAKA BORDER REG .
ISC II 16 22 10 29.5–1.0 34.8N–.10 135.9E–.10 350 19 0-54
IDC II 16 22 10 28.4–1.6 34.81N 136.06E 363–37 3.4,2.5b ¶610415650

JMA II 16 22 10 29.7–.33 35N–1.0 136E–1.0 360–2 2.8,2.5b
ISC Event type ke.
JMA Event type ke. KYOTO OSAKA BORDER REG .
ISC II 23 04 01 33.7–1.1 33.81N–.07 135.10E–.04 43–11 22 0-42
IDC II 23 04 01 30.8–4.2 34.06N 134.93E 0 3.3b,3.2 **¶610384846**
JMA II 23 04 01 33.5–.07 33.8N–.20 135.1E–.20 48–0 3.7,3.2
ISC Event type ke.
JMA Event type fe. S PART OF KII CHANNEL .
JMA II 28 08 07 09.7–.05 34.1N–.10 135.3E–.10 10–0 0.5
¶614144992
JMA Event type ke. NW WAKAYAMA PREF .
ISC III 09 12 24 18.5–.69 33.22N–.07 136.38E–.06 430–6 3.5b 52 1-76
IDC III 09 12 24 19.0–.64 33.25N 136.40E 432–9 4.0,3.2b **¶610470936**
JMA III 09 12 24 18.7–.26 33N–1.0 136.3E–1.0 430–2 3.3,3.2b
ISC Event type ke.
JMA Event type ke. SE OFF KII PENINSULA .
ISC III 20 12 57 09.1–.46 33.12N–.04 135.89E–.05 439–4 4.2b 264 0-82
BJI III 20 12 57 06.9–.00 33.15N 135.89E 429 4.7b,4.5b **¶612489171**
MOS III 20 12 57 08.3–.77 33.14N 135.91E 447 4.3b,4.5b
IDC III 20 12 57 09.4–.67 33.16N 135.92E 441–6 4.5,3.7b
JMA III 20 12 57 09.7–.17 33.2N–.90 135.9E–.70 439–1 3.9,3.7b
NEIC III 20 12 57 09.6–2.0 33.08N–.09 135.92E–.08 440–10 4.4b,3.7b
NIED III 20 12 57 09.7 33.21N 135.89E 439 4.3W,3.7b
ISC Event type ke.
MOS Error ellipse: s-maj=10.2km s-min=5.9km az=107.8.
IDC Error ellipse: s-maj=11.0km s-min=7.8km az=82.0.
JMA Event type ke. S OFF KII PENINSULA .
NEIC Event type se. Error ellipse: s-maj=13.9km s-min=7.7km az=210.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.37 $M_{\theta\theta}$1.82 $M_{\phi\phi}$-2.19
$M_{r\theta}$-1.09 $M_{\theta\phi}$0.97 $M_{\phi r}$-2.12 NP1:ϕ_s209.00000°,δ86.00000°,λ132.00000°. NP2:ϕ_s303.00000°
,δ43.00000°,λ6.00000°. $M_0$3.27000$\times10^{15}$
JMA III 25 09 14 39.1–.05 34.0N–.10 135.3E–.20 7–0 -0.2
¶614166367
JMA Event type ke. NW WAKAYAMA PREF .
ISC III 28 10 25 40.2–.85 33.68N–.05 135.41E–.05 10 3.6b 14 0-57
IDC III 28 10 25 39.2–1.3 33.59N 135.33E 0 3.4b,3.3 **¶610471032**
JMA III 28 10 25 40.8–.04 33.7N–.10 135.5E–.10 12–0 4.0,3.9
NIED III 28 10 25 40.8 33.70N 135.46E 12 3.6W,3.9
ISC Event type ke.
IDC Error ellipse: s-maj=25.4km s-min=24.1km az=96.0.
JMA Event type fe. SOUTHERN WAKAYAMA PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-0.21 $M_{\theta\theta}$2.61 $M_{\phi\phi}$-2.40
$M_{r\theta}$-0.73 $M_{\theta\phi}$0.46 $M_{\phi r}$1.66 NP1:ϕ_s128.00000°,δ80.00000°,λ-31.00000°. NP2:ϕ_s224.00000°
,δ60.00000°,λ-168.00000°. $M_0$3.08000$\times10^{14}$
ISC IV 12 17 15 31.2–1.0 33.83N–.06 135.44E–.04 17–5 3.6b 17 0-53
IDC IV 12 17 15 27.6–1.6 33.80N 135.54E 0 3.6b,3.5 **¶610527204**
NIED IV 12 17 15 31.1 33.82N 135.37E 22 3.6W,3.5
JMA IV 12 17 15 31.1–.06 33.8N–.10 135.4E–.20 22–0 4.1,3.8
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-0.39 $M_{\theta\theta}$2.46 $M_{\phi\phi}$-2.07
$M_{r\theta}$-0.13 $M_{\theta\phi}$2.07 $M_{\phi r}$1.28 NP1:ϕ_s206.00000°,δ78.00000°,λ-160.00000°. NP2:ϕ_s112.00000°
,δ70.00000°,λ-12.00000°. $M_0$3.34000$\times10^{14}$
JMA Event type fe. CENTRAL WAKAYAMA PREF .
JMA IV 27 20 29 04.8–.05 34.2N–.10 135.1E–.20 8–0 0.4
¶614806245
JMA Event type ke. NW WAKAYAMA PREF .
ISC V 18 21 05 51.9–.83 33.92N–.10 136.65E–.08 350 3.1b 19 0-70
IDC V 18 21 05 51.8–.68 33.94N 136.85E 366–10 3.7,2.9b **¶610690622**
JMA V 18 21 05 52.4–.06 34N–2.0 137E–1.0 367 2.8,2.9b
ISC Event type ke.
JMA Event type ke. SE OFF KII PENINSULA .
ISC V 19 10 28 31.2–1.0 33.98N–.09 136.96E–.06 355–8 26 0-54
JMA V 19 10 28 30.4–.12 34N–2.0 137E–2.0 362 2.6 **¶610690667**
IDC V 19 10 28 31.6–2.5 34.04N 137.26E 365–75 3.5,2.8b
ISC Event type ke.
JMA Event type ke. SE OFF KII PENINSULA .
IDC Error ellipse: s-maj=172.5km s-min=22.0km az=62.0.
JMA VI 18 16 23 04.2–.06 34.1N–.10 135.1E–.20 8–0 0.2
¶614853700
JMA Event type ke. NW WAKAYAMA PREF .
ISC VI 29 17 21 35.0–.81 34.15N–.04 135.22E–.03 10 20 0-58
IDC VI 29 17 21 33.7–1.6 34.01N 135.31E 0 3.3b,3.0 **¶610789733**
JMA VI 29 17 21 34.4–.02 34.15N–.07 135.2E–.10 4–0 3.2,3.0
ISC Event type ke.
JMA Event type fe. NW WAKAYAMA PREF .

(234) Northwest of Ryukyu Islands.

ISC I 04 15 15 03.7–1.7 27.20N–.05 126.81E–.05 8–11 3.7b 27 1-51
IDC I 04 15 15 02.7–.85 27.20N 126.82E 0 3.7,3.7b **¶610208163**
JMA I 04 15 15 03.9–.32 27.2N–.90 126.7E–1.0 28–4 3.5,3.7b
NIED I 04 15 15 03.9 27.21N 126.70E 28 4.1W,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=27.7km s-min=14.4km az=46.0.
JMA Event type ke. NW OFF OKINAWAJIMA IS .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.79 $M_{\theta\theta}$0.84 $M_{\phi\phi}$-0.06
$M_{r\theta}$0.54 $M_{\theta\phi}$0.76 $M_{\phi r}$-0.75 NP1:ϕ_s274.00000°,δ60.00000°,λ-42.00000°. NP2:ϕ_s28.00000°
,δ54.00000°,λ-142.00000°. $M_0$1.43000$\times10^{15}$
ISC II 09 15 08 11.2–.89 28.02N–.08 127.43E–.10 164–9 3.5b 29 1-77
IDC II 09 15 08 10.6–.83 28.12N 127.49E 159–8 3.7,3.3b **¶610415180**
JMA II 09 15 08 13.2–.27 28N–1.0 127E–1.0 144 3.8,3.3b
ISC Event type ke.
JMA Event type ke. NW OFF OKINAWAJIMA IS .
ISC III 19 23 52 50.2–.93 27.5N–.10 126.5E–.10 35 3.6b 13 2-81
IDC III 19 23 52 45.6–1.1 27.52N 126.35E 0 3.8s,3.7 **¶610546548**
ISC Event type ke.
IDC Error ellipse: s-maj=27.3km s-min=19.3km az=57.0.
ISC III 20 01 19 20.4–.79 27.6N–.10 126.5E–.10 35 3.8b,3.2s 17 2-78
IDC III 20 01 19 15.7–.96 27.57N 126.38E 0 3.8,3.8b **¶610543292**
ISC Event type ke.
IDC Error ellipse: s-maj=23.4km s-min=18.5km az=52.0.
ISC III 24 20 21 42.7–1.4 31.21N–.08 127.60E–.08 10 3.1b 11 2-55
IDC III 24 20 21 39.9–1.5 31.28N 126.65E 0 3.3,3.3b **¶610543616**
JMA III 24 20 21 39.2–.64 31N–1.0 127E–3.0 2 3.2,3.3b
ISC Event type ke.
JMA Event type ke. EAST CHINA SEA REGION .
JMA III 25 11 32 57.2–.24 31.5N–.50 128.8E–.70 14–1 3.5
NIED III 25 11 32 57.2 31.48N 128.84E 14 3.6W **¶610471020**
JMA Event type ke. SW OFF KYUSHU .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-0.17 $M_{\theta\theta}$1.99 $M_{\phi\phi}$-1.82
$M_{r\theta}$-0.79 $M_{\theta\phi}$2.55 $M_{\phi r}$0.01 NP1:ϕ_s289.00000°,δ87.00000°,λ13.00000°. NP2:ϕ_s198.00000°
,δ77.00000°,λ177.00000°. $M_0$3.28000$\times10^{14}$
ISC V 25 11 30 00.4–.94 27.01N–.08 126.83E–.08 120–9 3.6b 27 1-51
IDC V 25 11 29 59.0–4.7 26.97N 126.66E 103–59 3.7,3.4b **¶610685361**
JMA V 25 11 30 00.9–.33 27N–2.0 127E–1.0 113–3 2.9,3.4b
ISC Event type ke.
JMA Event type ke. NW OFF OKINAWAJIMA IS .

(235) Kyushu.

ISC I 03 04 38 38.8–.44 30.55N–.03 131.19E–.04 33–2 4.7b,4.0s 256 0-115
BJI I 03 04 38 34.2–.00 30.26N 131.58E 40 4.6b,4.3b **¶609950102**
MOS I 03 04 38 37.5–.93 30.56N 131.12E 40 5.0b,4.3b
NIED I 03 04 38 38.8 30.57N 131.23E 30 4.5W,4.3b
NEIC I 03 04 38 38.8–1.4 30.53N–.05 131.14E–.08 32–5 4.8b,4.3b
IDC I 03 04 38 38.8–2.7 30.58N 131.06E 33–20 4.4,4.2b
JMA I 03 04 38 38.8–.13 30.6N–.30 131.2E–.80 30–0 4.5,4.5
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}1.12 $M_{\theta\theta}$0.78 $M_{\phi\phi}$-1.89
$M_{r\theta}$4.01 $M_{\theta\phi}$-2.68 $M_{\phi r}$4.54 NP1:ϕ_s45.00000°,δ80.00000°,λ101.00000°. NP2:ϕ_s175.00000°
,δ15.00000°,λ41.00000°. $M_0$6.55000$\times10^{15}$
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. NEAR TANEGASHIMA ISLAND .
JMA I 03 04 38 46.1–.04 32.6N–.10 130.6E–.20 10–0 1.0
¶614092603
JMA Event type ke. SOUTHERN KUMAMOTO PREF .
JMA I 03 22 03 02.7–.03 32.4N–.10 130.7E–.10 8–0 1.5
¶614093964
JMA Event type ke. SOUTHERN KUMAMOTO PREF .
JMA I 04 14 42 03.6–.09 31.4N–.20 130.6E–.10 9–1
¶614094945
JMA Event type ke. SATSUMA PENINSULA REGION.
JMA I 11 04 54 05.8–.15 32.5N–.30 129.2E–.10 4–2 3.5
NIED I 11 04 54 05.8 32.50N 129.22E 4 3.5W **¶610207607**
JMA Event type ke. SW OFF KYUSHU .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-0.70 $M_{\theta\theta}$1.63 $M_{\phi\phi}$-0.93
$M_{r\theta}$0.03 $M_{\theta\phi}$1.10 $M_{\phi r}$-0.37 NP1:ϕ_s28.00000°,δ75.00000°,λ-161.00000°. NP2:ϕ_s292.00000°
,δ71.00000°,λ-16.00000°. $M_0$1.77000$\times10^{14}$
ISC I 11 10 11 16.4–.85 32.87N–.04 130.88E–.07 10 3.4b 13 0-72
JMA I 11 10 11 15.4–.03 32.90N–.09 130.9E–.10 9–0 3.4 **¶610060323**
IDC I 11 10 11 32.0–2.4 33.26N 131.93E 182–26 3.3,2.9b
ISC Event type ke.
JMA Event type fe. NW KUMAMOTO PREF .
IDC Error ellipse: s-maj=38.9km s-min=19.3km az=45.0.
ISC I 17 22 23 21.6–.79 31.83N–.04 131.24E–.05 64–6 3.5b 36 0-73
JMA I 17 22 23 21.7–.08 31.8N–.20 131.3E–.30 63–0 3.4 **¶614109525**
IDC I 17 22 23 22.1–1.3 31.81N 131.15E 71–11 3.7,3.4b
ISC Event type ke.
JMA Event type fe. SOUTHERN MIYAZAKI PREF .
IDC Error ellipse: s-maj=28.3km s-min=10.9km az=92.0.
ISC I 19 07 09 55.2–2.1 30.86N–.05 129.3E–.10 14–11 15 1-2
JMA I 19 07 09 56.2–.15 30.9N–.30 129.3E–.60 12–1 3.6 **¶610207622**
NIED I 19 07 09 56.2 30.86N 129.30E 12 3.7W
ISC Event type ke.
JMA Event type ke. SW OFF KYUSHU .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}3.93 $M_{\theta\theta}$0.38 $M_{\phi\phi}$-4.31
$M_{r\theta}$-1.23 $M_{\theta\phi}$0.28 $M_{\phi r}$1.63 NP1:ϕ_s342.00000°,δ58.00000°,λ73.00000°. NP2:ϕ_s192.00000°
,δ36.00000°,λ115.00000°. $M_0$4.62000$\times10^{14}$
ISC I 20 09 03 33.3–.81 30.43N–.05 130.41E–.06 71–6 3.6b 39 0-74
JMA I 20 09 03 33.8–.07 30.5N–.20 130.4E–.20 68–0 3.2 **¶610234927**
IDC I 20 09 03 35.8–5.5 30.53N 130.43E 93–35 3.6,3.3b
ISC Event type ke.
JMA Event type fe. NEAR TANEGASHIMA ISLAND .
IDC Error ellipse: s-maj=47.4km s-min=25.7km az=175.0.
ISC I 21 08 39 35.3–1.1 33.00N–.05 130.78E–.06 11–10 9 0-7
JMA I 21 08 39 35.4–.04 33.0N–.10 130.8E–.10 10–0 3.0 **¶612488466**
ISC Event type ke.
JMA Event type fe. NW KUMAMOTO PREF .
JMA I 23 14 20 23.5–.10 32.6N–.30 130.7E–.40 9–1
¶614114550
JMA Event type ke. SOUTHERN KUMAMOTO PREF .
IDC I 24 07 46 30.7–351 30.41N 131.94E 0
¶610235250
IDC Error ellipse: s-maj=188.0km s-min=120.6km az=87.0.
ISC I 26 14 34 33.2–.90 32.48N–.03 130.65E–.06 15–7 3.3b 18 0-69
IDC I 26 14 34 29.8–1.2 32.36N 130.62E 0 3.5,3.5b **¶610135401**
JMA I 26 14 34 33.1–.05 32.5N–.20 130.6E–.20 9–0 3.9,3.5b
NIED I 26 14 34 33.1 32.49N 130.63E 9 3.7W,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=27.4km s-min=10.4km az=102.0.
JMA Event type fe. SOUTHERN KUMAMOTO PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-0.22 $M_{\theta\theta}$2.94 $M_{\phi\phi}$-2.72
$M_{r\theta}$-0.70 $M_{\theta\phi}$2.39 $M_{\phi r}$1.03 NP1:ϕ_s114.00000°,δ81.00000°,λ-16.00000°. NP2:ϕ_s206.00000°
,δ74.00000°,λ-170.00000°. $M_0$3.91000$\times10^{14}$
ISC II 06 08 04 50.5–1.3 30.52N–.05 131.16E–.09 30–7 3.5b,3.3s 29 0-77
IDC II 06 08 04 46.2–.98 30.53N 130.95E 0 3.5,3.5b **¶610247233**
NIED II 06 08 04 51.0 30.57N 131.19E 29 4.0W,3.5b
JMA II 06 08 04 51.0–.10 30.6N–.30 131.2E–.60 29–0 3.6,3.5b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}5.35 $M_{\theta\theta}$-0.26 $M_{\phi\phi}$-5.09
$M_{r\theta}$4.52 $M_{\theta\phi}$-1.99 $M_{\phi r}$6.28 NP1:ϕ_s33.00000°,δ72.00000°,λ99.00000°. NP2:ϕ_s186.00000°
,δ19.00000°,λ65.00000°. $M_0$9.54000$\times10^{14}$
JMA Event type fe. NEAR TANEGASHIMA ISLAND .
JMA II 06 11 57 14.8–.05 32.6N–.20 130.7E–.20 9–0 0.7
¶614127006
JMA Event type ke. SOUTHERN KUMAMOTO PREF .
ISC II 07 07 21 31.6–.50 31.28N–.04 131.69E–.05 33 4.0b,3.9s 72 0-87
JMA II 07 07 21 29.7–.28 31.3N–.60 132E–1.0 27–1 4.1,4.1 **¶610198726**
NIED II 07 07 21 29.7 31.27N 131.91E 27 4.3W,4.1
NEIC II 07 07 21 30.6–1.6 31.29N–.05 131.69E–.07 22–5 4.5b,4.1
IDC II 07 07 21 35.0–1.5 31.26N 131.45E 64–12 3.8,3.6s
ISC Event type ke.
JMA Event type fe. SE OFF OSUMI PEN .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.66 $M_{\theta\theta}$0.89 $M_{\phi\phi}$-1.55
$M_{r\theta}$-0.95 $M_{\theta\phi}$-2.86 $M_{\phi r}$-0.96 NP1:ϕ_s79.00000°,δ84.00000°,λ-163.00000°. NP2:ϕ_s347.00000°
,δ73.00000°,λ-6.00000°. $M_0$3.33000$\times10^{15}$
NEIC Event type se. Error ellipse: s-maj=8.5km s-min=7.1km az=78.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=18.0km s-min=8.7km az=97.0.
ISC II 08 12 14 57.7–1.3 32.82N–.04 129.29E–.03 1–9 3.6b,3.5s 24 0-90
NIED II 08 12 14 57.7 32.79N 129.28E 9 4.1W,3.5s **¶610205793**
JMA II 08 12 14 57.7–.03 32.8N–.10 129.3E–.10 9–1 4.1,4.0
IDC II 08 12 14 57.9–1.1 32.87N 129.32E 0 3.6,3.6b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.37 $M_{\theta\theta}$1.20 $M_{\phi\phi}$-0.83
$M_{r\theta}$-1.14 $M_{\theta\phi}$1.06 $M_{\phi r}$0.20 NP1:ϕ_s107.00000°,δ85.00000°,λ-40.00000°. NP2:ϕ_s202.00000°
,δ50.00000°,λ-173.00000°. $M_0$1.87000$\times10^{15}$
JMA Event type fe. GOTO ISLANDS REGION .
IDC Error ellipse: s-maj=17.8km s-min=16.1km az=31.0.
JMA II 08 12 28 50.7–.03 32.8N–.10 129.3E–.10 10–1 3.6
NIED II 08 12 28 50.7 32.79N 129.28E 10 3.5W **¶610247242**
JMA Event type fe. GOTO ISLANDS REGION .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}0.28 $M_{\theta\theta}$1.23 $M_{\phi\phi}$-1.51
$M_{r\theta}$0.40 $M_{\theta\phi}$1.72 $M_{\phi r}$0.46 NP1:ϕ_s18.00000°,δ83.00000°,λ165.00000°. NP2:ϕ_s110.00000°
,δ75.00000°,λ8.00000°. $M_0$2.29000$\times10^{14}$
JMA II 08 13 43 58.4–.04 32.8N–.10 129.3E–.10 7–1 3.6
NIED II 08 13 43 58.4 32.79N 129.29E 7 3.5W **¶610247241**
JMA Event type fe. GOTO ISLANDS REGION .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-0.23 $M_{\theta\theta}$1.47 $M_{\phi\phi}$-1.23
$M_{r\theta}$-0.68 $M_{\theta\phi}$1.74 $M_{\phi r}$-0.15 NP1:ϕ_s290.00000°,δ84.00000°,λ14.00000°. NP2:ϕ_s198.00000°
,δ76.00000°,λ174.00000°. $M_0$2.29000$\times10^{14}$
ISC II 11 01 02 07.1–.68 32.02N–.04 131.13E–.05 103–5 4.0b 59 0-87
NEIC II 11 01 02 07.6–1.4 32.01N–.07 131.11E–.09 106–7 4.1b **¶610243792**
NIED II 11 01 02 08.0 32.04N 131.09E 97 3.9W
IDC II 11 01 02 07.8–1.1 32.09N 131.11E 106–7 4.0,3.6b
JMA II 11 01 02 08.0–.10 32.0N–.30 131.1E–.40 97–0 3.6,3.6b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}3.28 $M_{\theta\theta}$-2.49 $M_{\phi\phi}$-0.79
$M_{r\theta}$4.17 $M_{\theta\phi}$-1.24 $M_{\phi r}$5.92 NP1:ϕ_s38.00000°,δ79.00000°,λ81.00000°. NP2:ϕ_s256.00000°
,δ14.00000°,λ127.00000°. $M_0$7.90000$\times10^{14}$
JMA Event type fe. SOUTHERN MIYAZAKI PREF .
ISC II 18 09 45 31.8–.91 30.02N–.05 131.05E–.08 28 3.6b 21 0-77
JMA II 18 09 45 29.7–.23 29.9N–.70 131.2E–.70 24–1 3.4 **¶610415753**
IDC II 18 09 45 33.9–4.2 30.10N 130.75E 36–35 3.6,3.4b
ISC Event type ke.
JMA Event type ke. NEAR AMAMI-OSHIMA ISLAND.
IDC Error ellipse: s-maj=39.9km s-min=21.7km az=96.0.
JMA II 18 10 42 36.7–.03 33.90N–.09 131.4E–.10 12–0 3.7

NIED II 18 10 42 36.7 33.90N 131.37E 12 3.4W ¶610247252
JMA Event type fe. SUONADA SETONAIKAI .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-0.48 $M_{\theta\theta}$1.55 $M_{\phi\phi}$-1.07 $M_{r\theta}$-0.25 $M_{\theta\phi}$0.75 $M_{\phi r}$-0.47 NP1:ϕ_s33.00000°,δ80.00000°,λ-156.00000°. NP2:ϕ_s299.00000° ,δ67.00000°,λ-10.00000°. $M_0$1.63000×10^{14}
JMA II 26 15 05 57.4–.11 31.4N–.30 130.6E–.30 12–1 0.7 ¶614143511
JMA Event type ke. SATSUMA PENINSULA REGION.
JMA II 27 01 52 15.8–.03 33.02N–.09 131.2E–.10 10–0 1.3 ¶614143953
JMA Event type ke. NE KUMAMOTO PREF .
ISC II 27 15 42 46.4–1.2 32.50N–.03 130.56E–.04 2–10 19 0-56
NIED II 27 15 42 45.4 32.50N 130.56E 11 3.6W ¶610247268
JMA II 27 15 42 45.4–.04 32.5N–.10 130.6E–.10 11–0 3.6
IDC II 27 15 42 46.1–1.4 32.58N 130.48E 0 3.1,3.0b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-0.87 $M_{\theta\theta}$2.24 $M_{\phi\phi}$-1.37 $M_{r\theta}$-0.06 $M_{\theta\phi}$0.15 $M_{\phi r}$2.20 NP1:ϕ_s231.00000°,δ63.00000°,λ-147.00000°. NP2:ϕ_s124.00000° ,δ61.00000°,λ-32.00000°. $M_0$2.79000×10^{14}
JMA Event type fe. SOUTHERN KUMAMOTO PREF .
IDC Error ellipse: s-maj=21.7km s-min=10.5km az=121.0.
JMA II 27 23 50 01.7–.05 31.9N–.10 131.2E–.20 15–0 3.7
NIED II 27 23 50 01.7 31.93N 131.23E 15 3.7W ¶610241885
JMA Event type fe. SOUTHERN MIYAZAKI PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-4.39 $M_{\theta\theta}$4.71 $M_{\phi\phi}$-0.32 $M_{r\theta}$0.03 $M_{\theta\phi}$0.64 $M_{\phi r}$0.06 NP1:ϕ_s262.00000°,δ45.00000°,λ-91.00000°. NP2:ϕ_s84.00000° ,δ45.00000°,λ-89.00000°. $M_0$4.59000×10^{14}
JMA III 04 17 16 01.5–.06 32.6N–.20 130.7E–.20 10–0 3.7
NIED III 04 17 16 01.5 32.59N 130.73E 10 3.6W ¶610470905
JMA Event type fe. SOUTHERN KUMAMOTO PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-0.17 $M_{\theta\theta}$0.70 $M_{\phi\phi}$-0.53 $M_{r\theta}$0.02 $M_{\theta\phi}$2.65 $M_{\phi r}$-0.21 NP1:ϕ_s7.00000°,δ89.00000°,λ-176.00000°. NP2:ϕ_s276.00000° ,δ86.00000°,λ-1.00000°. $M_0$2.73000×10^{14}
ISC III 04 17 29 07.1–.74 33.27N–.05 131.65E–.04 95–5 3.4b 38 0-71
JMA III 04 17 29 07.8–.09 33.3N–.30 131.7E–.40 91–0 3.1 ¶610545540
IDC III 04 17 29 07.3–.97 33.16N 131.48E 96–6 3.4,3.0b
ISC Event type ke.
JMA Event type ke. IYONADA SETONAIKAI .
IDC Error ellipse: s-maj=23.5km s-min=17.5km az=77.0.
JMA III 04 23 10 35.5–.04 32.8N–.10 130.6E–.20 10–0 1.0 ¶614149243
JMA Event type ke. NW KUMAMOTO PREF .
ISC III 05 20 26 10.7–.66 32.55N–.03 130.69E–.05 10 3.3b 25 0-72
JMA III 05 20 26 09.2–.05 32.6N–.10 130.7E–.20 10–0 4.1,3.9 ¶610245806
NIED III 05 20 26 09.3 32.57N 130.70E 10 3.9W,3.9
IDC III 05 20 26 10.3–1.2 32.66N 130.59E 0 3.5,3.5b
ISC Event type ke.
JMA Event type fe. SOUTHERN KUMAMOTO PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}1.27 $M_{\theta\theta}$2.02 $M_{\phi\phi}$-3.29 $M_{r\theta}$-1.33 $M_{\theta\phi}$7.35 $M_{\phi r}$-0.14 NP1:ϕ_s280.00000°,δ85.00000°,λ10.00000°. NP2:ϕ_s190.00000° ,δ80.00000°,λ175.00000°. $M_0$7.95000×10^{14}
IDC Error ellipse: s-maj=20.8km s-min=9.0km az=124.0.
ISC III 11 12 10 25.8–1.1 31.38N–.03 130.61E–.03 4–9 23 0-73
IDC III 11 12 10 25.1–1.8 31.40N 130.56E 0 3.1,3.0b ¶610326220
JMA III 11 12 10 25.6–.05 31.4N–.10 130.6E–.20 10–1 3.9,3.0b
NIED III 11 12 10 25.6 31.38N 130.62E 10 3.8W,3.0b
ISC Event type ke.
IDC Error ellipse: s-maj=40.4km s-min=15.5km az=105.0.
JMA Event type fe. SATSUMA PENINSULA REGION.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-1.09 $M_{\theta\theta}$-0.18 $M_{\phi\phi}$1.27 $M_{r\theta}$1.09 $M_{\theta\phi}$5.69 $M_{\phi r}$1.75 NP1:ϕ_s356.00000°,δ84.00000°,λ166.00000°. NP2:ϕ_s87.00000° ,δ76.00000°,λ7.00000°. $M_0$6.01000×10^{14}
ISC III 11 18 48 41.3–.19 31.00N–.02 130.38E–.02 146–1 5.5b 1887 0-176
BJI III 11 18 48 35.8–.00 30.73N 130.79E 141 5.4b,5.3b ¶614155284
MOS III 11 18 48 40.4–1.0 31.03N 130.39E 150 5.7b,4.0s
IDC III 11 18 48 41.1–.35 31.00N 130.35E 142–2 5.3,4.9b
NEIC III 11 18 48 41.0–1.9 31.00N–.04 130.39E–.07 138–3 5.5b,5.4
NEIC III 11 18 48 41.4 31.03N 130.38E 140 5.5b,5.4
NEIC III 11 18 48 41.1 30.99N 130.40E 140 5.5b,5.4
NEIC III 11 18 48 41.4 30.93N 130.62E 140 5.5b,5.4
JMA III 11 18 48 42.2–.12 31.0N–.30 130.4E–.60 136–1 5.3W,5.1
NIED III 11 18 48 42.2 30.99N 130.42E 136 5.3W,5.1
GCMT III 11 18 48 43.0–.10 31.03N–.01 130.37E–.01 146–1 5.4W,5.1
BGR III 11 18 48 44.9 31.67N 131.34E 151–1 6.1b,5.1
ISC Event type ke. Moment Tensor Solution. NP1:ϕ_s223.61404°,δ18.33678°,λ88.48878°. NP2: ϕ_s45.20607°,δ71.66983°,λ90.50079°. Principal axes: T Plg63.3269°,Azm315.9949° ; N Plg0.4754°,Azm225.0486°; P Plg26.6682°,Azm134.8098°
MOS Error ellipse: s-maj=5.5km s-min=3.3km az=112.2.
IDC Error ellipse: s-maj=7.8km s-min=5.8km az=93.0.
NEIC Event type se. Error ellipse: s-maj=8.8km s-min=6.4km az=97.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.92 $M_{\theta\theta}$-0.05 $M_{\phi\phi}$-0.87 $M_{r\theta}$0.39 $M_{\theta\phi}$-0.59 $M_{\phi r}$1.26 NP1:ϕ_s220.92000°,δ20.44000°,λ110.95000°. NP2:ϕ_s18.70000°,δ70.96000° ,λ82.41000°. Principal axes: T 1.5726,Plg63.0000°,Azm277.0000°; N 0.2293,Plg7.0000° ,Azm21.0000°; P -1.8019,Plg26.0000°,Azm115.0000° $M_0$1.70000×10^{17}
NEIC Event type se.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2s3 Moment tensor: Scale 10^{17}Nm; M_{rr}0.77 $M_{\theta\theta}$-0.24 $M_{\phi\phi}$-0.54 $M_{r\theta}$0.44 $M_{\theta\phi}$-0.34 $M_{\phi r}$0.69 NP1:ϕ_s32.98000°,δ68.38000° ,λ89.87000°. NP2:ϕ_s213.32000°,δ21.62000°,λ90.32000°. Principal axes: T 1.1276,Plg67.0000°,Azm303.0000°; N -0.0153,Plg0.0000°,Azm33.0000° ; P -1.1124,Plg23.0000°,Azm123.0000° $M_0$1.12000×10^{17}
JMA Event type fe. NEAR TANEGASHIMA ISLAND .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{17}Nm; M_{rr}0.57 $M_{\theta\theta}$-0.12 $M_{\phi\phi}$-0.45 $M_{r\theta}$0.56 $M_{\theta\phi}$-0.29 $M_{\phi r}$0.77 NP1:ϕ_s35.00000°,δ74.00000°,λ93.00000°. NP2:ϕ_s204.00000° ,δ16.00000°,λ79.00000°. $M_0$1.12000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s112,c172; s145,c258;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}0.69±.02 $M_{\theta\theta}$-0.26±.03; $M_{\phi\phi}$-0.42±.03; $M_{r\theta}$0.69±.02; $M_{\theta\phi}$-0.31±.03; $M_{\phi r}$1.10±.02; Best double couple: NP1:ϕ_s33.00000°,δ76.00000°,λ88.00000°. NP2:ϕ_s222.00000°,δ14.00000°,λ99.00000°. Principal axes: T 1.4780,Plg59.0000° ,Azm300.0000°; N -0.0280,Plg2.0000°,Azm33.0000°; P -1.4500,Plg31.0000°,Azm125.0000° $M_0$1.46400×10^{17}
BGR Event type ke.
JMA III 13 05 33 05.6–.03 33.7N–.10 130.28E–.09 15–0 3.5
NIED III 13 05 33 05.6 33.69N 130.28E 15 3.4W ¶610470954
JMA Event type fe. CENTRAL FUKUOKA PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-0.15 $M_{\theta\theta}$1.36 $M_{\phi\phi}$-1.22 $M_{r\theta}$-0.01 $M_{\theta\phi}$0.07 $M_{\phi r}$-0.29 NP1:ϕ_s44.00000°,δ81.00000°,λ-169.00000°. NP2:ϕ_s313.00000° ,δ80.00000°,λ-10.00000°. $M_0$1.33000×10^{14}
ISC III 13 23 03 51.6–1.1 33.72N–.04 130.34E–.04 11–14 14 0-3
JMA III 13 23 03 52.5–.03 33.7N–.10 130.28E–.09 14–0 3.0 ¶612489097
ISC Event type ke.
JMA Event type fe. CENTRAL FUKUOKA PREF .
ISC III 16 01 11 07.1–.99 31.84N–.04 131.77E–.07 39–4 3.5b 23 0-59
IDC III 16 01 11 03.8–1.1 31.58N 130.84E 0 3.5,3.5b ¶610546283
JMA III 16 01 11 07.2–.13 31.9N–.30 131.7E–.80 37–1 3.3,3.5b
ISC Event type ke.
JMA Event type ke. HYUGANADA REGION .
ISC III 17 06 57 11.5–.29 30.42N–.03 130.59E–.03 67–2 5.2b 944 0-174
BGR III 17 06 57 07.5 31.34N 132.23E 33 5.6b ¶611832082
MOS III 17 06 57 09.1–.93 30.37N 130.61E 59 5.3b
JMA III 17 06 57 10.5–.10 30.4N–.30 130.6E–.30 60–0 5.0W,4.9
NIED III 17 06 57 10.5 30.40N 130.57E 60 5.0W,4.9
NEIC III 17 06 57 11.6 30.44N 130.63E 61 5.0W,4.9
IDC III 17 06 57 11.4–1.2 30.43N 130.53E 67–9 4.9,4.7b
BJI III 17 06 57 11.2–.00 30.38N 130.61E 83 5.0b,5.0b
NEIC III 17 06 57 11.8–2.0 30.44N–.05 130.66E–.09 64–6 5.2b,4.9
GCMT III 17 06 57 11.8–.20 30.44N–.02 130.70E–.02 62–2 5.1W,4.9
ISC Event type ke.
BGR Event type ke.
JMA Event type fe. NEAR TANEGASHIMA ISLAND .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.52 $M_{\theta\theta}$1.06 $M_{\phi\phi}$-0.54 $M_{r\theta}$-0.33 $M_{\theta\phi}$2.38 $M_{\phi r}$2.00 NP1:ϕ_s192.00000°,δ80.00000°,λ-143.00000°. NP2:ϕ_s94.00000° ,δ54.00000°,λ-13.00000°. $M_0$3.24000×10^{16}
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-1.40 $M_{\theta\theta}$0.34 $M_{\phi\phi}$1.07 $M_{r\theta}$-0.38 $M_{\theta\phi}$2.51 $M_{\phi r}$1.26 NP1:ϕ_s184.26000°,δ69.56000°,λ-142.70000°. NP2:ϕ_s79.36000°,δ55.40000° ,λ-25.10000°. Principal axes: T 3.3484,Plg9.0000°,Azm309.0000°; N -0.5643,Plg48.0000° ,Azm209.0000°; P -2.7841,Plg40.0000°,Azm47.0000° $M_0$3.10000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s54,c70; s98,c139;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.14±.17 $M_{\theta\theta}$2.24±.17; $M_{\phi\phi}$-2.38±.18; $M_{r\theta}$0.21±.11; $M_{\theta\phi}$3.33±.12; $M_{\phi r}$3.05±.10; Best double couple: NP1:ϕ_s197.00000°,δ88.00000°,λ-144.00000°. NP2:ϕ_s105.00000°,δ54.00000°,λ-3.00000°. Principal axes: T 4.6660,Plg23.0000° ,Azm325.0000°; N 0.7380,Plg54.0000°,Azm200.0000°; P -5.4090,Plg26.0000°,Azm67.0000° $M_0$5.03800×10^{16}
JMA III 17 06 57 21.2–.04 32.8N–.10 130.7E–.20 11–0 0.4 ¶614159750
JMA Event type ke. NW KUMAMOTO PREF .
JMA III 20 11 31 18.9–.07 32.4N–.20 131.8E–.30 16–0 1.0 ¶614162725
JMA Event type ke. HYUGANADA REGION .
ISC III 20 18 55 04.8–.74 32.48N–.06 130.99E–.05 162–5 3.5b 31 0-72
IDC III 20 18 55 04.5–.60 32.48N 130.98E 162–4 3.7,3.3b ¶614163021
JMA III 20 18 55 05.8–.14 32.5N–.50 131.1E–.70 159–1 3.5,3.3b
ISC Event type ke.
JMA Event type ke. NORTHERN MIYAZAKI PREF .
JMA III 24 16 44 07.0–.04 32.7N–.10 130.7E–.20 9–0 0.6 ¶614165791
JMA Event type ke. NW KUMAMOTO PREF .
JMA IV 01 15 39 45.5–.04 31.8N–.10 130.8E–.10 9–1 1.2 ¶614785906
JMA Event type ke. NEAR KAGOSHIMA CITY .
JMA IV 02 20 04 27.1–.09 32.7N–.20 130.7E–.30 14–1 -0.2 ¶614786811
JMA Event type ke. NW KUMAMOTO PREF .
ISC IV 05 20 56 50.2–1.2 30.50N–.07 129.3E–.10 251–9 27 1-54
IDC IV 05 20 56 49.7–1.2 30.48N 129.11E 243–10 3.5,2.7b ¶610652027
JMA IV 05 20 56 51.4–.34 30.6N–1.0 129E–2.0 253–3 3.5,2.7b
ISC Event type ke.
JMA Event type ke. SW OFF KYUSHU .
ISC IV 06 09 31 43.6–.68 31.03N–.04 129.21E–.06 10 3.6b,3.4s 25 1-75
NIED IV 06 09 31 40.8 31.04N 129.00E 11 4.1W,3.4s ¶610630693
JMA IV 06 09 31 40.8–.30 31.0N–.50 129E–1.0 11–2 4.3,4.1
IDC IV 06 09 31 42.3–.87 30.87N 129.13E 0 3.6,3.5b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.13 $M_{\theta\theta}$0.71 $M_{\phi\phi}$-0.84 $M_{r\theta}$0.30 $M_{\theta\phi}$0.88 $M_{\phi r}$1.28 NP1:ϕ_s18.00000°,δ88.00000°,λ131.00000°. NP2:ϕ_s110.00000° ,δ41.00000°,λ3.00000°. $M_0$1.76000×10^{15}
JMA Event type fe. SW OFF KYUSHU .
IDC Error ellipse: s-maj=27.4km s-min=17.3km az=90.0.
JMA IV 06 17 30 55.0–.03 33.8N–.10 130.14E–.09 10–0 3.5
NIED IV 06 17 30 55.0 33.76N 130.14E 10 3.2W ¶614789856
JMA Event type fe. NW OFF KYUSHU .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{13}Nm; M_{rr}-1.13 $M_{\theta\theta}$-4.06 $M_{\phi\phi}$5.19 $M_{r\theta}$0.76 $M_{\theta\phi}$3.26 $M_{\phi r}$-5.32 NP1:ϕ_s338.00000°,δ87.00000°,λ-136.00000°. NP2:ϕ_s245.00000° ,δ46.00000°,λ-4.00000°. $M_0$7.65000×10^{13}
JMA IV 07 08 24 40.9–.04 32.8N–.10 130.6E–.20 10–0 0.6 ¶614790213
JMA Event type ke. NW KUMAMOTO PREF .
ISC IV 09 12 39 49.2–1.1 32.74N–.04 130.67E–.06 12 14 0-8
NIED IV 09 12 39 48.9 32.77N 130.77E 8 3.6W ¶610524811
JMA IV 09 12 39 48.9–.03 32.77N–.09 130.8E–.10 8–0 3.6
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-0.63 $M_{\theta\theta}$3.14 $M_{\phi\phi}$-2.51 $M_{r\theta}$-0.76 $M_{\theta\phi}$0.43 $M_{\phi r}$-0.46 NP1:ϕ_s41.00000°,δ90.00000°,λ-163.00000°. NP2:ϕ_s311.00000° ,δ73.00000°,λ0.00000°. $M_0$2.98000×10^{14}
JMA Event type fe. NW KUMAMOTO PREF .
JMA IV 09 18 08 57.8–.38 32.0N–.90 130E–2.0 12–2 0.2 ¶614792228
JMA Event type ke. W OFF AMAKUSA ISLAND .
JMA IV 14 08 14 35.7–.15 31.7N–.30 131.9E–.70 24–1 3.6
NIED IV 14 08 14 35.7 31.73N 131.94E 24 3.7W ¶610619265
JMA Event type ke. HYUGANADA REGION .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}3.32 $M_{\theta\theta}$-0.20 $M_{\phi\phi}$-3.12 $M_{r\theta}$0.27 $M_{\theta\phi}$-2.72 $M_{\phi r}$0.24 NP1:ϕ_s34.00000°,δ48.00000°,λ95.00000°. NP2:ϕ_s207.00000° ,δ43.00000°,λ85.00000°. $M_0$4.06000×10^{14}
JMA IV 14 19 06 54.3–.06 31.4N–.10 130.6E–.10 12–1 0.9 ¶614795955
JMA Event type ke. SATSUMA PENINSULA REGION.
JMA IV 15 19 23 50.2–.04 33.0N–.10 131.2E–.10 10–0 1.2 ¶614796774
JMA Event type ke. NE KUMAMOTO PREF .
JMA IV 15 19 24 12.0–.10 32.0N–.30 131.0E–.50 83–0 1.0 ¶614796777
JMA Event type ke. SOUTHERN MIYAZAKI PREF .
ISC IV 19 03 46 32.7–.88 32.70N–.03 130.05E–.03 12–6 4.6b,3.6s 114 0-87
IDC IV 19 03 46 30.4–.70 32.65N 130.02E 0 3.8,3.8b ¶610532794
NIED IV 19 03 46 32.4 32.72N 130.02E 16 4.1W,3.8b
JMA IV 19 03 46 32.4–.05 32.7N–.10 130.0E–.20 16–0 4.2,4.1
NEIC IV 19 03 46 33.5–1.1 32.63N–.04 130.10E–.06 10–1 4.7b,4.1
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.86 $M_{\theta\theta}$1.43 $M_{\phi\phi}$-0.57 $M_{r\theta}$-0.44 $M_{\theta\phi}$0.22 $M_{\phi r}$0.70 NP1:ϕ_s116.00000°,δ65.00000°,λ-48.00000°. NP2:ϕ_s231.00000° ,δ48.00000°,λ-145.00000°. $M_0$1.51000×10^{15}
JMA Event type fe. NEAR UNZENDAKE .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 21 20 40 20.0–.90 31.08N–.06 130.3E–.10 158–6 3.2b 22 0-73
IDC IV 21 20 40 01.1–1.1 31.18N 130.18E 0 3.5,3.5b ¶610653221
JMA IV 21 20 40 21.0–.17 31.1N–.50 130.3E–.90 154–1 2.7,3.5b
ISC Event type ke.
JMA Event type ke. SATSUMA PENINSULA REGION.
ISC IV 27 20 29 25.0–.90 30.26N–.05 131.50E–.06 21–4 3.8b 39 1-77
IDC IV 27 20 29 22.2–1.2 30.35N 131.32E 0 3.6,3.6b ¶610650163
JMA IV 27 20 29 24.7–.15 30.2N–.50 131.6E–.70 45–1 3.4,3.6b
ISC Event type ke.
JMA Event type ke. E OFF TANEGASHIMA ISLAND.
JMA IV 27 20 30 04.3–.02 33.22N–.06 131.07E–.07 7–0 1.2 ¶614806246
JMA Event type ke. NORTHERN OITA PREF .
ISC IV 29 12 32 33.7–.21 30.81N–.02 131.43E–.02 35–0 5.6b,5.6s 2053 0-176
BJI IV 29 12 32 28.4–.00 30.56N 131.67E 29 5.9,5.9s ¶610589443
NIED IV 29 12 32 33.0 30.78N 131.48E 44 5.7W,5.9s
NEIC IV 29 12 32 32.2 30.79N 131.41E 18 5.7W,5.9s
JMA IV 29 12 32 33.0–.15 30.8N–.40 131.5E–.90 44–1 5.8W,5.6
MOS IV 29 12 32 32.0–1.1 30.80N 131.38E 35 5.9s,5.8b
NEIC IV 29 12 32 32.2 30.79N 131.41E 18 5.9s,5.8b
IDC IV 29 12 32 33.6–1.6 30.84N 131.33E 36–12 5.5s,5.3
NEIC IV 29 12 32 34.1 30.80N 131.43E 24 5.5s,5.3
BGR IV 29 12 32 34.6 31.58N 132.42E 33 6.2s,5.6b
NEIC IV 29 12 32 34.1–1.7 30.82N–.05 131.42E–.06 31–1 5.7,5.7b
NEIC IV 29 12 32 34.1 30.80N 131.66E 24 5.7,5.7b
GCMT IV 29 12 32 35.1–.10 30.82N–.01 131.43E–.01 26–0 5.8W,5.7b
ISC Event type ke. Moment Tensor Solution. NP1:ϕ_s211.98109°,δ53.06505°,λ-100.77689°. NP2: ϕ_s49.55709°,δ38.25893°,λ-76.03256°. Principal axes: T Plg7.4886°,Azm309.6447° ; N Plg8.5957°,Azm218.5061°; P Plg78.5623°,Azm80.1644°
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{17}Nm; M_{rr}-3.51 $M_{\theta\theta}$0.76 $M_{\phi\phi}$2.75 $M_{r\theta}$1.68 $M_{\theta\phi}$0.56 $M_{\phi r}$2.20 NP1:ϕ_s208.00000°,δ65.00000°,λ-81.00000°. NP2:ϕ_s7.00000°

,δ26.00000°,λ-109.00000°. M0 4.22000×10^{17}
NEIC Event type se.
JMA Event type fe. SE OFF OSUMI PEN .
NEIC Event type se.
NEIC Event type se.
BGR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; Mrr-3.41 Mθθ-0.11 Mφφ3.52 Mrθ0.92 Mθφ0.81 Mφr0.18 NP1:φs358.04000°,δ43.78000°,λ-110.97000°. NP2:φs206.00000°,δ49.75000° ,λ-71.07000°. Principal axes: T 3.7184,Plg3.0000°,Azm283.0000°; N -0.0659,Plg14.0000° ,Azm14.0000°; P -3.6525,Plg75.0000°,Azm181.0000° M0 3.69000×10^{17} Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; Mrr-2.73 Mθθ-0.81 Mφφ3.53 Mrθ0.80 Mθφ1.07 Mφr0.89 NP1:φs356.26000°,δ38.43000°,λ-115.42000°. NP2:φs207.50000°,δ55.85000° ,λ-71.19000°. Principal axes: T 3.9471,Plg9.0000°,Azm284.0000°; N -0.8947,Plg15.0000° ,Azm17.0000°; P -3.0524,Plg72.0000°,Azm165.0000° M0 3.58000×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 3s8 Moment tensor: Scale 10^{17}Nm; Mrr-4.59 Mθθ0.10 Mφφ4.49 Mrθ0.45 Mθφ0.91 Mφr0.23 NP1:φs196.26000°,δ47.14000° ,λ-83.17000°. NP2:φs6.27000°,δ43.30000°,λ-97.30000°. Principal axes: T 4.6797,Plg2.0000° ,Azm281.0000°; N -0.0463,Plg5.0000°,Azm12.0000°; P -4.6334,Plg85.0000°,Azm170.0000° M0 4.66000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s149,c290; s166,c350;Duration: 1s9 Moment tensor: Scale 10^{17}Nm; Mrr-4.89±.06 Mθθ-0.02±.04; Mφφ4.91±.05; Mrθ1.84±.10; Mθφ0.71±.04; Mφr2.89±.10; Best double couple: NP1:φs201.00000°,δ62.00000°,λ-77.00000°. NP2:φs355.00000°,δ30.00000°,λ-113.00000°. Principal axes: T 5.9370,Plg17.0000° ,Azm282.0000°; N 0.1650,Plg11.0000°,Azm15.0000°; P -6.1020,Plg70.0000°,Azm138.0000° M0 6.01900×10^{17}
ISC IV 29 12 52 58.3–.81 30.79N–.04 131.37E–.07 37–1 3.9b 37 0-85
JMA IV 29 12 52 57.7–.16 30.8N–.40 131.5E–.90 33–1 3.5 **¶610650308**
IDC IV 29 12 52 58.5–2.6 30.81N 131.22E 38–22 3.7,3.6b
ISC Event type ke.
JMA Event type ke. SE OFF OSUMI PEN .
IDC Error ellipse: s-maj=22.0km s-min=12.7km az=81.0.
ISC IV 29 13 19 51.1–1.1 30.79N–.04 131.41E–.08 42–11 3.8b 31 0-76
JMA IV 29 13 19 50.8–.17 30.8N–.40 131.4E–1.0 36–1 3.4 **¶614807602**
IDC IV 29 13 19 51.4–1.8 30.83N 131.37E 43–20 3.7,3.5b
ISC Event type ke.
JMA Event type ke. SE OFF OSUMI PEN .
IDC Error ellipse: s-maj=29.8km s-min=13.7km az=77.0.
ISC IV 29 13 40 33.6–.71 30.76N–.03 131.35E–.04 34–2 4.6b,4.2s 167 0-87
BJI IV 29 13 40 29.2–.00 30.57N 131.62E 31 4.9b,4.4b **¶610589273**
MOS IV 29 13 40 31.9–1.1 30.76N 131.23E 34 4.9b,4.4b
JMA IV 29 13 40 33.8–.15 30.8N–.40 131.4E–.90 36–1 4.3,4.1
NIED IV 29 13 40 33.8 30.77N 131.44E 36 4.4W,4.1
NEIC IV 29 13 40 34.0–2.0 30.78N–.05 131.32E–.06 32–6 4.7b,4.1
IDC IV 29 13 40 34.7–1.3 30.77N 131.23E 42–11 4.3,4.1b
ISC Event type ke.
MOS Error ellipse: s-maj=9.8km s-min=5.9km az=94.9.
JMA Event type fe. SE OFF OSUMI PEN .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; Mrr-0.64 Mθθ0.51 Mφφ0.13 Mrθ3.41 Mθφ0.09 Mφr3.51 NP1:φs224.00000°,δ87.00000°,λ-92.00000°. NP2:φs81.00000° ,δ4.00000°,λ-54.00000°. M0 4.92000×10^{15}
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=7.3km az=221.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=14.7km s-min=8.2km az=96.0.
ISC IV 29 15 44 04.9–.82 30.76N–.05 131.43E–.09 40–7 3.7b 34 0-76
JMA IV 29 15 44 04.8–.18 30.8N–.40 131.4E–1.0 34–1 3.4 **¶610650330**
IDC IV 29 15 44 06.1–1.7 30.84N 131.37E 49–16 3.6,3.5b
ISC Event type ke.
JMA Event type ke. SE OFF OSUMI PEN .
IDC Error ellipse: s-maj=30.1km s-min=13.6km az=83.0.
ISC IV 29 17 00 25.6–.76 30.81N–.04 131.44E–.07 31–4 3.6b 30 0-76
JMA IV 29 17 00 25.7–.16 30.8N–.40 131.5E–.90 30–1 3.3 **¶614807878**
IDC IV 29 17 00 26.5–.93 30.85N 131.36E 37–8 3.6,3.5b
ISC Event type ke.
JMA Event type ke. SE OFF OSUMI PEN .
IDC Error ellipse: s-maj=38.1km s-min=14.9km az=81.0.
ISC IV 29 18 07 43.1–.94 30.75N–.04 131.44E–.06 46–8 3.8b 47 0-76
IDC IV 29 18 07 37.2–.74 30.76N 131.26E 0 3.7,3.7b **¶610650342**
JMA IV 29 18 07 42.5–.15 30.8N–.40 131.5E–.80 43–1 3.3,3.7b
ISC Event type ke.
JMA Event type ke. SE OFF OSUMI PEN .
ISC IV 29 19 40 51.5–.55 30.77N–.03 131.39E–.04 37–1 4.3b,3.8s 130 0-89
BJI IV 29 19 40 42.6–.00 30.48N 131.82E 10 4.6b,4.1b **¶610589450**
IDC IV 29 19 40 45.3–.60 30.78N 131.18E 0 4.0,4.0b
NEIC IV 29 19 40 49.9–1.7 30.78N–.05 131.43E–.07 22–5 4.6b,4.0b
NIED IV 29 19 40 51.1 30.79N 131.43E 32 4.6W,4.0b
JMA IV 29 19 40 51.1–.13 30.8N–.30 131.4E–.70 32–1 3.9,4.0b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; Mrr-1.77 Mθθ1.05 Mφφ0.72 Mrθ3.60 Mθφ-0.22 Mφr8.20 NP1:φs204.00000°,δ86.00000°,λ-90.00000°. NP2:φs21.00000° ,δ4.00000°,λ-92.00000°. M0 9.03000×10^{15}
JMA Event type fe. SE OFF OSUMI PEN .
ISC IV 29 19 41 53.6–.59 30.77N–.04 131.41E–.05 32 4.2b,3.8s 57 0-80
IDC IV 29 19 41 49.1–1.1 30.78N 131.20E 0 4.1b,4.0 **¶610598481**
NEIC IV 29 19 41 50.6–1.5 30.70N–.09 131.38E–.10 10–1 4.2b,4.0
JMA IV 29 19 41 54.5–.19 30.8N–.50 131E–1.0 31–1 3.8,4.0
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. SE OFF OSUMI PEN .
JMA IV 29 20 22 47.1–.20 30.8N–.60 131E–1.0 36–2 1.3
¶616780402
JMA Event type ke. SE OFF OSUMI PEN .
ISC IV 29 20 22 58.7–.46 30.76N–.03 131.46E–.04 22–3 5.0b,4.5s 865 0-115
BJI IV 29 20 22 51.6–.00 30.56N 131.76E 5 4.8b,4.6b **¶614808076**
MOS IV 29 20 22 56.6–.98 30.78N 131.34E 19 5.1b,4.7s
NEIC IV 29 20 22 59.1–1.2 30.77N–.04 131.40E–.07 21–5 5.0b,4.7s
NIED IV 29 20 23 00.3 30.77N 131.47E 40 4.8W,4.7s
BGR IV 29 20 23 00.6 30.37N 131.19E 33 5.0b,4.9s
IDC IV 29 20 23 00.2–1.9 30.87N 131.25E 35–14 4.6,4.5b
JMA IV 29 20 23 00.3–.14 30.8N–.40 131.5E–.80 40–1 4.7W,4.7
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; Mrr-1.02 Mθθ0.87 Mφφ0.15 Mrθ1.42 Mθφ-0.55 Mφr0.28 NP1:φs269.00000°,δ73.00000°,λ-110.00000°. NP2:φs140.00000° ,δ26.00000°,λ-42.00000°. M0 1.81000×10^{16}
BGR Event type ke.
JMA Event type fe. SE OFF OSUMI PEN .
ISC IV 29 20 50 33.5–.92 30.81N–.04 131.29E–.07 46–8 3.6b 42 0-76
IDC IV 29 20 50 27.2–.84 30.78N 131.15E 0 3.6,3.6b **¶610598482**
JMA IV 29 20 50 32.8–.16 30.8N–.40 131.4E–.90 35–1 3.4,3.6b
ISC Event type ke.
JMA Event type ke. SE OFF OSUMI PEN .
ISC IV 30 09 20 35.6–1.2 30.75N–.04 131.44E–.07 33–4 3.7b,3.1s 30 0-85
JMA IV 30 09 20 35.6–.14 30.8N–.30 131.4E–.80 34–1 3.2,3.1s **¶610650398**
IDC IV 30 09 20 37.2–1.7 30.75N 131.17E 46–16 3.7,3.4b
ISC Event type ke.
JMA Event type ke. SE OFF OSUMI PEN .
IDC Error ellipse: s-maj=30.4km s-min=9.3km az=97.0.
JMA IV 30 10 35 51.6–.23 30.8N–.50 131E–1.0 27–2 1.3
¶614808711
JMA Event type ke. SE OFF OSUMI PEN .
ISC IV 30 18 49 44.6–.69 30.74N–.03 131.41E–.04 33–2 4.2b,4.0s 154 0-100
IDC IV 30 18 49 39.5–.64 30.80N 131.38E 0 4.1b,4.0s **¶610589557**
MOS IV 30 18 49 42.8–.94 30.69N 131.35E 33 4.4b,4.0s
JMA IV 30 18 49 44.3–.21 30.8N–.50 131E–1.0 35–2 3.9,4.0s
NIED IV 30 18 49 44.3 30.76N 131.47E 35 4.5W,4.0s
NEIC IV 30 18 49 45.3–2.4 30.71N–.06 131.40E–.08 37–9 4.2b,4.0s
ISC Event type ke.
JMA Event type fe. SE OFF OSUMI PEN .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; Mrr0.57 Mθθ-1.13 Mφφ0.56 Mrθ3.96 Mθφ-1.65 Mφr4.93 NP1:φs37.00000°,δ85.00000°,λ79.00000°. NP2:φs284.00000° ,δ12.00000°,λ156.00000°. M0 6.54000×10^{15}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 30 20 01 38.6–1.3 30.76N–.05 131.4E–.10 39–5 3.5b 25 0-70
JMA IV 30 20 01 38.4–.16 30.8N–.40 131.5E–.90 31–1 2.9 **¶610650445**
IDC IV 30 20 01 40.0–2.3 30.94N 130.83E 51–25 3.5,3.3b
ISC Event type ke.
JMA Event type ke. SE OFF OSUMI PEN .
IDC Error ellipse: s-maj=58.6km s-min=10.0km az=102.0.
ISC V 01 14 31 38.9–1.1 30.75N–.04 131.41E–.07 44–9 4.3b 51 0-76
NEIC V 01 14 31 38.9–1.4 30.79N–.06 131.36E–.09 35–2 4.7b **¶610669456**
JMA V 01 14 31 38.1–.16 30.8N–.40 131.5E–.90 39–1 3.4
IDC V 01 14 31 39.8–1.9 30.79N 131.26E 44–18 3.9,3.7b
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=12.5km s-min=9.5km az=282.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. SE OFF OSUMI PEN .
IDC Error ellipse: s-maj=33.7km s-min=12.5km az=82.0.
ISC V 02 12 21 22.0–1.1 30.80N–.05 131.49E–.08 35 3.8b 24 0-63
JMA V 02 12 21 21.6–.15 30.8N–.40 131.5E–.80 39–1 3.3 **¶610689385**
IDC V 02 12 21 23.7–7.4 30.84N 130.96E 58–97 3.6,3.5b
ISC Event type ke.
JMA Event type ke. SE OFF OSUMI PEN .
IDC Error ellipse: s-maj=151.5km s-min=57.5km az=90.0.
ISC V 04 04 44 29.9–.39 30.85N–.03 131.34E–.04 41–2 4.8b,4.2s 374 0-157
IDC V 04 04 44 24.0–.49 30.81N 131.26E 0 4.4,4.4b **¶610593995**
MOS V 04 04 44 27.7–.95 30.82N 131.33E 35 5.0b,4.5s
NIED V 04 04 44 28.7 30.79N 131.50E 43 4.7W,4.5s
JMA V 04 04 44 28.7–.18 30.8N–.50 132E–1.0 43–2 4.8W,4.4
NEIC V 04 04 44 29.4–1.4 30.81N–.06 131.42E–.06 31–5 4.8b,4.4
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; Mrr-0.64 Mθθ0.57 Mφφ0.06 Mrθ0.45 Mθφ0.48 Mφr0.91 NP1:φs213.00000°,δ74.00000°,λ-110.00000°. NP2:φs86.00000° ,δ26.00000°,λ-40.00000°. M0 1.28000×10^{16}
JMA Event type fe. SE OFF OSUMI PEN .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 04 05 22 25.0–1.1 32.71N–.03 130.67E–.05 8–7 4.3b 77 0-87
IDC V 04 05 22 23.5–.71 32.69N 130.56E 0 4.0,3.9b **¶610593997**
NEIC V 04 05 22 25.4–1.5 32.69N–.04 130.66E–.06 10–1 4.6b,3.9b
JMA V 04 05 22 25.4–.03 32.68N–.09 130.8E–.10 11–0 4.3,4.1
NIED V 04 05 22 25.4 32.68N 130.76E 11 3.9W,4.1
ISC Event type ke.
IDC Error ellipse: s-maj=16.5km s-min=8.1km az=126.0.
NEIC Event type se. Error ellipse: s-maj=9.7km s-min=4.4km az=116.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. SOUTHERN KUMAMOTO PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; Mrr-5.41 Mθθ4.51 Mφφ0.89 Mrθ-6.15 Mθφ4.63 Mφr0.36 NP1:φs82.00000°,δ69.00000°,λ-63.00000°. NP2:φs208.00000° ,δ34.00000°,λ-139.00000°. M0 9.19000×10^{14}
ISC V 07 17 23 47.2–1.1 30.78N–.05 131.41E–.10 49–10 3.6b 27 0-70
JMA V 07 17 23 46.6–.17 30.8N–.40 131.5E–.90 41–1 3.0 **¶610689742**
IDC V 07 17 23 48.0–2.1 30.85N 131.35E 54–24 3.4,3.3b
ISC Event type ke.
JMA Event type ke. SE OFF OSUMI PEN .
IDC Error ellipse: s-maj=38.4km s-min=15.2km az=84.0.
JMA V 07 20 13 58.1–.10 31.4N–.30 130.6E–.30 14–1 0.6
¶614816164
JMA Event type ke. SATSUMA PENINSULA REGION.
ISC V 11 11 21 26.4–.37 32.71N–.03 130.60E–.05 11 4.5b,3.6s 142 0-122
IDC V 11 11 21 23.3–.62 32.65N 130.55E 0 4.2,4.2b **¶610630592**
MOS V 11 11 21 24.8–1.6 32.64N 130.58E 13 4.7b,4.2b
NIED V 11 11 21 25.2 32.73N 130.60E 13 4.4W,4.2b
BJI V 11 11 21 25.9–.00 32.70N 130.60E 10 4.6b,4.4b
JMA V 11 11 21 25.2–.05 32.7N–.10 130.6E–.20 13–0 4.4W,4.4
NEIC V 11 11 21 26.4–2.9 32.73N–.04 130.61E–.07 10–1 4.8b,4.4
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; Mrr-2.74 Mθθ3.70 Mφφ-0.96 Mrθ1.09 Mθφ0.16 Mφr1.60 NP1:φs242.00000°,δ61.00000°,λ-122.00000°. NP2:φs115.00000° ,δ42.00000°,λ-46.00000°. M0 3.85000×10^{15}
JMA Event type fe. NW KUMAMOTO PREF .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA V 16 03 57 37.0–.17 32.8N–.20 131E–1.0 13–1 0.1
¶616652107
JMA Event type ke. NW KUMAMOTO PREF .
ISC V 23 14 16 55.1–.90 30.82N–.03 131.42E–.04 28–6 4.5b,3.8s 143 0-115
NEIC V 23 14 16 54.4–1.5 30.83N–.06 131.39E–.08 21–5 4.6b,3.8s **¶610650679**
BJI V 23 14 16 55.2–.00 30.73N 131.22E 26 4.6b,4.4b
NIED V 23 14 16 55.6 30.81N 131.48E 40 4.4W,4.4b
JMA V 23 14 16 55.6–.17 30.8N–.40 131E–1.0 40–1 4.4W,4.1
IDC V 23 14 16 56.9–1.2 30.81N 131.27E 45–11 4.1,3.9b
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=8.1km az=71.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; Mrr-3.85 Mθθ1.66 Mφφ2.19 Mrθ0.38 Mθφ1.15 Mφr2.44 NP1:φs203.00000°,δ62.00000°,λ-101.00000°. NP2:φs46.00000° ,δ30.00000°,λ-70.00000°. M0 4.24000×10^{15}
JMA Event type fe. SE OFF OSUMI PEN .
IDC Error ellipse: s-maj=14.9km s-min=8.2km az=96.0.
ISC V 24 14 34 59.7–.47 32.41N–.04 131.09E–.05 124–4 4.4b 155 0-92
IDC V 24 14 34 59.3–.46 32.48N 130.98E 119–3 4.3,3.9b **¶610651503**
NIED V 24 14 35 00.1 32.47N 131.14E 114 4.2W,3.9b
NEIC V 24 14 35 00.5–1.4 32.41N–.05 131.06E–.09 126–6 4.5b,3.9b
JMA V 24 14 35 00.1–.10 32.5N–.30 131.1E–.40 114–0 3.9,3.8
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; Mrr1.84 Mθθ-0.72 Mφφ-1.12 Mrθ-0.39 Mθφ-1.08 Mφr1.40 NP1:φs14.00000°,δ62.00000°,λ63.00000°. NP2:φs242.00000° ,δ38.00000°,λ131.00000°. M0 2.40000×10^{15}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. NORTHERN MIYAZAKI PREF .
JMA V 28 06 16 30.1–.07 31.4N–.30 130.6E–.20 12–1 0.2
¶614834150
JMA Event type ke. SATSUMA PENINSULA REGION.
ISC V 30 10 15 06.3–.99 30.80N–.03 131.46E–.05 41–9 4.4b,3.9s 130 0-121
NEIC V 30 10 15 05.2 30.76N 131.48E 28 4.4b,3.9s **¶611150922**
JMA V 30 10 15 06.0–.15 30.8N–.40 131.5E–.80 40–1 4.1,4.0
NIED V 30 10 15 06.0 30.80N 131.48E 40 4.2W,4.0
NEIC V 30 10 15 06.1–1.3 30.77N–.06 131.46E–.06 34–5 4.5b,4.1
IDC V 30 10 15 07.5–1.6 30.88N 131.23E 44–14 4.1,3.9b
ISC Event type ke.
NEIC Event type se.
JMA Event type fe. SE OFF OSUMI PEN .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; Mrr-2.30 Mθθ0.76 Mφφ1.54 Mrθ-0.03 Mθφ1.04 Mφr0.75 NP1:φs204.00000°,δ53.00000°,λ-102.00000°. NP2:φs45.00000° ,δ39.00000°,λ-74.00000°. M0 2.40000×10^{15}
NEIC Event type se. Error ellipse: s-maj=8.5km s-min=7.7km az=196.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; Mrr-1.61 Mθθ0.13 Mφφ1.48 Mrθ-0.31 Mθφ1.07 Mφr0.03 NP1:φs195.83000°,δ44.63000°,λ-108.92000°. NP2:φs41.55000°,δ48.35000°

,λ-72.25000°. Principal axes: T 2.0698,Plg2.0000°,Azm119.0000°; N -0.3922,Plg13.0000° ,Azm210.0000°; P -1.6776,Plg77.0000°,Azm21.0000° $M_0$1.90000×10^{15}
IDC Error ellipse: s-maj=16.4km s-min=10.7km az=86.0.
IDC VI 01 00 20 47.4–353 30.78N 130.63E 0 ¶610791022
IDC Error ellipse: s-maj=211.0km s-min=123.7km az=87.0.
JMA VI 02 15 05 26.0–.09 32.1N–.10 130.4E–.20 2–1 0.2 ¶614838653
JMA Event type ke. NW KAGOSHIMA PREF .
JMA VI 02 15 05 41.0–.11 31.4N–.20 130.6E–.20 13–1 0.5 ¶614838656
JMA Event type ke. SATSUMA PENINSULA REGION.
JMA VI 04 14 28 32.7–.05 32.6N–.10 130.7E–.20 11–0 3.5
NIED VI 04 14 28 32.7 32.58N 130.67E 11 3.5W ¶610764467
JMA Event type fe. SOUTHERN KUMAMOTO PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}0.13 $M_{\theta\theta}$0.96 $M_{\phi\phi}$-1.09 $M_{r\theta}$0.06 $M_{\theta\phi}$1.78 $M_{\phi r}$-0.39 NP1:ϕ_s15.00000°,δ87.00000°,λ-170.00000°. NP2:ϕ_s285.00000° ,δ80.00000°,λ-3.00000°. $M_0$2.09000×10^{14}
ISC VI 09 14 36 24.2–.92 32.71N–.03 130.04E–.03 10–6 4.6b,3.4s 223 0-126
IDC VI 09 14 36 21.1–.76 32.65N 129.97E 0 3.9,3.9b ¶610669139
NIED VI 09 14 36 23.7 32.72N 130.03E 16 4.3W,3.9b
JMA VI 09 14 36 23.7–.05 32.7N–.10 130.0E–.20 16–0 4.3W,4.3
NEIC VI 09 14 36 26.3–1.6 32.99N–.06 130.07E–.04 12–5 4.7b,4.3
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-1.70 $M_{\theta\theta}$3.04 $M_{\phi\phi}$-1.34 $M_{r\theta}$-0.62 $M_{\theta\phi}$0.47 $M_{\phi r}$1.39 NP1:ϕ_s117.00000°,δ63.00000°,λ-43.00000°. NP2:ϕ_s230.00000° ,δ53.00000°,λ-145.00000°. $M_0$3.08000×10^{15}
JMA Event type fe. NEAR UNZENDAKE .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA VI 10 16 30 45.4–.13 31.7N–.30 131.8E–.70 37–1 2.3 ¶614845652
JMA Event type ke. HYUGANADA REGION .
ISC VI 12 06 53 18.9–.94 31.61N–.04 130.78E–.06 95–7 3.6b 25 0-69
IDC VI 12 06 53 18.8–1.0 31.64N 130.47E 91–13 3.7,3.2b ¶610791703
JMA VI 12 06 53 19.6–.08 31.6N–.20 130.9E–.30 90–0 3.3,3.2b
ISC Event type ke.
JMA Event type fe. OSUMI PENINSULA REGION .
JMA VI 14 17 57 29.1–.05 33.0N–.10 131.2E–.20 8–0 -0.1 ¶614849993
JMA Event type ke. NE KUMAMOTO PREF .
ISC VI 16 13 39 50.9–.40 31.83N–.03 131.77E–.04 27–2 4.7b,4.0s 348 0-115
BJI VI 16 13 39 44.1–.00 31.36N 132.42E 42 4.7b,4.6b ¶610678622
NIED VI 16 13 39 51.4 31.89N 131.83E 28 4.5W,4.6b
IDC VI 16 13 39 52.0–.45 31.90N 131.59E 35–3 4.4,4.2b
JMA VI 16 13 39 51.4–.10 31.9N–.20 131.8E–.60 28–1 4.6,4.5W
NEIC VI 16 13 39 52.7–2.1 31.87N–.07 131.78E–.07 31–5 4.7b,4.5W
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}4.41 $M_{\theta\theta}$-0.36 $M_{\phi\phi}$-4.05 $M_{r\theta}$3.09 $M_{\theta\phi}$-1.46 $M_{\phi r}$3.78 NP1:ϕ_s34.00000°,δ69.00000°,λ101.00000°. NP2:ϕ_s186.00000° ,δ23.00000°,λ64.00000°. $M_0$6.63000×10^{15}
JMA Event type fe. HYUGANADA REGION .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA VI 27 10 42 40.3–.03 33.8N–.10 130.14E–.09 12–0 3.7
NIED VI 27 10 42 40.3 33.76N 130.14E 12 3.5W ¶610764503
JMA Event type fe. NW OFF KYUSHU .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-0.68 $M_{\theta\theta}$1.48 $M_{\phi\phi}$-0.80 $M_{r\theta}$-0.78 $M_{\theta\phi}$0.40 $M_{\phi r}$-1.70 NP1:ϕ_s39.00000°,δ80.00000°,λ-123.00000°. NP2:ϕ_s294.00000° ,δ35.00000°,λ-18.00000°. $M_0$2.29000×10^{14}
ISC VI 30 06 52 52.4–1.0 32.53N–.03 130.61E–.04 7–9 15 0-68
IDC VI 30 06 52 50.2–2.7 32.49N 130.57E 0 3.8,3.8b ¶617195311
NIED VI 30 06 52 51.6 32.53N 130.61E 8 3.6W,3.8b
JMA VI 30 06 52 51.6–.04 32.5N–.10 130.6E–.20 8–0 3.5,3.8b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}0.25 $M_{\theta\theta}$1.02 $M_{\phi\phi}$-1.27 $M_{r\theta}$2.22 $M_{\theta\phi}$-0.59 $M_{\phi r}$1.04 NP1:ϕ_s60.00000°,δ88.00000°,λ118.00000°. NP2:ϕ_s154.00000° ,δ28.00000°,λ5.00000°. $M_0$2.77000×10^{14}
JMA Event type fe. SOUTHERN KUMAMOTO PREF .
ISC VI 30 07 55 25.2–1.2 30.35N–.07 130.87E–.07 15–7 18 0-8
JMA VI 30 07 55 23.8–.11 30.3N–.30 131.0E–.40 18–0 3.3 ¶612490173
ISC Event type ke.
JMA Event type ke. NEAR TANEGASHIMA ISLAND .

(236) Shikoku.

JMA I 02 15 39 28.8–.18 32.4N–.50 132.1E–.80 27–1 0.6 ¶614091730
JMA Event type ke. HYUGANADA REGION .
ISC I 17 04 59 43.6–1.1 33.69N–.05 132.13E–.05 54–9 17 0-68
JMA I 17 04 59 44.0–.05 33.7N–.10 132.2E–.20 55–0 3.2 ¶610237567
IDC I 17 04 59 44.3–2.0 33.65N 132.02E 68–25 3.6,3.6b
ISC Event type ke.
JMA Event type fe. IYONADA SETONAIKAI .
IDC Error ellipse: s-maj=53.6km s-min=21.2km az=151.0.
JMA I 26 08 07 38.1–.07 33.8N–.30 134.3E–.20 10–0 0.1 ¶614117144
JMA Event type ke. TOKUSHIMA PREF .
ISC I 27 20 02 03.2–.83 33.92N–.05 133.74E–.03 43–8 3.9b 35 0-74
IDC I 27 20 02 02.7–1.5 33.90N 133.78E 44–17 3.7,3.4b ¶610145139
JMA I 27 20 02 03.0–.07 33.9N–.20 133.7E–.20 45–0 4.0,3.9
NIED I 27 20 02 03.0 33.92N 133.73E 45 3.9W,3.9
ISC Event type ke.
IDC Error ellipse: s-maj=19.3km s-min=13.6km az=143.0.
JMA Event type fe. TOKUSHIMA PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}0.85 $M_{\theta\theta}$-6.25 $M_{\phi\phi}$5.40 $M_{r\theta}$-2.84 $M_{\theta\phi}$2.12 $M_{\phi r}$-2.66 NP1:ϕ_s237.00000°,δ84.00000°,λ32.00000°. NP2:ϕ_s143.00000° ,δ58.00000°,λ173.00000°. $M_0$7.35000×10^{14}
ISC II 07 18 19 30.0–1.0 33.44N–.05 134.58E–.03 32–7 3.9b,3.3s 126 0-97
MOS II 07 18 19 27.9–1.2 33.43N 134.56E 31 4.3b,3.3s ¶610198938
JMA II 07 18 19 29.5–.06 33.4N–.20 134.7E–.30 36–0 4.3W,4.2
NIED II 07 18 19 29.5 33.43N 134.65E 36 4.3W,4.2
NEIC II 07 18 19 30.6–2.3 33.50N–.06 134.57E–.04 31–6 4.3b,4.2
IDC II 07 18 19 30.7–2.0 33.40N 134.63E 39–18 3.7,3.7L
ISC Event type ke.
MOS Error ellipse: s-maj=10.9km s-min=7.0km az=102.8.
JMA Event type fe. SE OFF SHIKOKU .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.19 $M_{\theta\theta}$-2.66 $M_{\phi\phi}$2.47 $M_{r\theta}$-0.65 $M_{\theta\phi}$-0.89 $M_{\phi r}$0.36 NP1:ϕ_s305.00000°,δ90.00000°,λ165.00000°. NP2:ϕ_s35.00000° ,δ75.00000°,λ0.00000°. $M_0$2.81000×10^{15}
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=5.2km az=174.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=18.3km s-min=14.5km az=143.0.
ISC II 22 18 13 23.0–1.2 32.63N–.05 132.13E–.03 33–5 3.2b 35 0-56
JMA II 22 18 13 22.8–.04 32.7N–.20 132.1E–.20 36–0 3.6 ¶610247260
NIED II 22 18 13 22.8 32.65N 132.13E 36 3.7W
IDC II 22 18 13 24.2–2.3 32.55N 132.07E 45–26 3.3,3.0b
ISC Event type ke.
JMA Event type fe. HYUGANADA REGION .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-1.64 $M_{\theta\theta}$-0.04 $M_{\phi\phi}$1.68 $M_{r\theta}$1.86 $M_{\theta\phi}$0.48 $M_{\phi r}$3.60 NP1:ϕ_s206.00000°,δ79.00000°,λ-85.00000°. NP2:ϕ_s1.00000° ,δ12.00000°,λ-114.00000°. $M_0$4.41000×10^{14}
IDC Error ellipse: s-maj=28.6km s-min=18.3km az=18.0.
JMA II 26 15 03 12.1–.05 32.9N–.20 132.5E–.10 30–0 0.5 ¶614143510
JMA Event type ke. BUNGO CHANNEL .
ISC III 02 14 53 43.1–.24 32.61N–.02 132.08E–.02 47–1 5.1b,4.7s 903 0-170
BJI III 02 14 53 38.4–.00 32.37N 132.37E 46 5.1b,5.1s ¶610243913
MOS III 02 14 53 40.8–1.0 32.60N 131.98E 47 5.2b,4.9s
NIED III 02 14 53 42.7 32.65N 132.13E 37 5.3W,4.9s
NEIC III 02 14 53 42.9 32.62N 132.11E 30 5.3W,4.9s
IDC III 02 14 53 42.1–1.3 32.65N 131.96E 35–9 4.7,4.6s
JMA III 02 14 53 42.7–.05 32.7N–.20 132.1E–.20 37–0 5.3,5.2W
NEIC III 02 14 53 42.6–2.4 32.63N–.05 132.10E–.02 44–4 5.3,5.3b
NEIC III 02 14 53 42.9 32.62N 132.11E 30 5.3,5.3b
NEIC III 02 14 53 42.9 32.64N 132.10E 48 5.3,5.3b
GCMT III 02 14 53 43.6–.20 32.69N–.01 131.82E–.01 49–1 5.2W,5.3b
ISC Event type ke. Moment Tensor Solution. NP1:ϕ_s203.63588°,δ50.20742°,λ-73.12483°. NP2: ϕ_s358.27603°,δ42.66911°,λ-109.21373°. Principal axes: T Plg3.8627°,Azm281.7636° ; N Plg12.8881°,Azm12.6488°; P Plg76.5263°,Azm175.3953°
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.73 $M_{\theta\theta}$0.14 $M_{\phi\phi}$3.59 $M_{r\theta}$2.64 $M_{\theta\phi}$1.37 $M_{\phi r}$7.92 NP1:ϕ_s199.00000°,δ77.00000°,λ-90.00000°. NP2:ϕ_s20.00000° ,δ13.00000°,λ-88.00000°. $M_0$9.22000×10^{16}
NEIC Event type se. Moment Tensor Solution.Duration: 2s0 Moment tensor: Scale 10^{16}Nm; M_{rr}-4.80 $M_{\theta\theta}$-0.25 $M_{\phi\phi}$5.05 $M_{r\theta}$2.96 $M_{\theta\phi}$0.98 $M_{\phi r}$7.48 NP1:ϕ_s199.97000°,δ74.26000° ,λ-84.11000°. NP2:ϕ_s359.15000°,δ16.78000°,λ-110.00000°. Principal axes: T 9.6175,Plg29.0000°,Azm285.0000°; N -0.2689,Plg6.0000°,Azm18.0000° ; P -9.3486,Plg60.0000°,Azm118.0000° $M_0$9.48000×10^{16}
JMA Event type fe. HYUGANADA REGION .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-4.57 $M_{\theta\theta}$-0.52 $M_{\phi\phi}$5.09 $M_{r\theta}$1.31 $M_{\theta\phi}$0.74 $M_{\phi r}$3.55 NP1:ϕ_s195.79000°,δ64.08000°,λ-81.79000°. NP2:ϕ_s357.53000°,δ27.10000° ,λ-106.37000°. Principal axes: T 6.4342,Plg19.0000°,Azm280.0000°; N -0.5066,Plg7.0000° ,Azm12.0000°; P -5.9277,Plg70.0000°,Azm123.0000° $M_0$6.20000×10^{16}
NEIC Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s88,c137; s125,c219;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.48±.02 $M_{\theta\theta}$-0.10±.01; $M_{\phi\phi}$0.58±.01; $M_{r\theta}$0.24±.01; $M_{\theta\phi}$-0.06±.01; $M_{\phi r}$0.60±.02; Best double couple: NP1:ϕ_s196.00000°,δ71.00000°,λ-74.00000°. NP2:ϕ_s334.00000°,δ25.00000°,λ-129.00000°. Principal axes: T 0.8570,Plg25.0000° ,Azm273.0000°; N -0.0270,Plg15.0000°,Azm10.0000°; P -0.8290,Plg61.0000° ,Azm129.0000° $M_0$0.84300×10^{17}
ISC III 02 15 08 18.3–.56 32.58N–.04 132.12E–.03 35–2 4.0b 78 0-71
JMA III 02 15 08 18.5–.03 32.6N–.10 132.1E–.10 37–0 4.2,3.9 ¶610243919
IDC III 02 15 08 18.3–2.0 32.56N 131.96E 35–17 3.6,3.5L
NEIC III 02 15 08 19.6–2.0 32.61N–.06 132.10E–.06 46–8 4.1b,3.5L
ISC Event type ke.
JMA Event type fe. HYUGANADA REGION .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 03 06 27 14.9–.92 32.63N–.04 132.13E–.03 33–3 3.8b,3.2s 40 0-99
JMA III 03 06 27 14.9–.04 32.7N–.20 132.1E–.20 36–0 3.9,3.2s ¶610470902
NIED III 03 06 27 14.9 32.65N 132.13E 36 4.1W,3.2s
IDC III 03 06 27 18.6–1.9 32.62N 131.91E 70–19 3.7,3.4b
ISC Event type ke.
JMA Event type fe. HYUGANADA REGION .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.63 $M_{\theta\theta}$0.09 $M_{\phi\phi}$0.54 $M_{r\theta}$0.83 $M_{\theta\phi}$0.12 $M_{\phi r}$1.02 NP1:ϕ_s217.00000°,δ78.00000°,λ-83.00000°. NP2:ϕ_s4.00000° ,δ14.00000°,λ-122.00000°. $M_0$1.45000×10^{15}
IDC Error ellipse: s-maj=30.9km s-min=14.9km az=85.0.
JMA IV 08 18 54 53.6–.06 32.7N–.30 132.4E–.20 30–0 1.3 ¶614791329
JMA Event type ke. HYUGANADA REGION .
ISC IV 09 18 29 11.5–1.0 33.51N–.04 132.45E–.04 42–7 25 0-57
JMA IV 09 18 29 11.3–.04 33.5N–.10 132.4E–.10 45–0 3.6 ¶610630711
NIED IV 09 18 29 11.3 33.52N 132.44E 45 3.5W
IDC IV 09 18 29 12.3–2.1 33.52N 132.35E 58–25 3.2,3.0b
ISC Event type ke.
JMA Event type fe. SW EHIME PREF .
NIED Moment Tensor Solution. s2 Moment tensor: Scale 10^{14}Nm; M_{rr}-1.60 $M_{\theta\theta}$-0.19 $M_{\phi\phi}$1.79 $M_{r\theta}$0.54 $M_{\theta\phi}$-0.56 $M_{\phi r}$0.53 NP1:ϕ_s186.00000°,δ55.00000°,λ-63.00000°. NP2:ϕ_s324.00000° ,δ43.00000°,λ-124.00000°. $M_0$1.94000×10^{14}
IDC Error ellipse: s-maj=23.5km s-min=14.9km az=121.0.
ISC IV 11 19 03 45.8–1.3 33.54N–.06 134.43E–.04 33–3 17 0-4
JMA IV 11 19 03 45.9–.06 33.5N–.20 134.4E–.20 34–0 3.1 ¶612489436
ISC Event type ke.
JMA Event type fe. SE OFF SHIKOKU .
ISC V 02 06 58 06.7–1.5 32.36N–.06 132.28E–.05 12–10 3.4b 25 1-56
IDC V 02 06 58 07.1–1.2 31.94N 131.29E 0 3.4,3.4b ¶610669458
JMA V 02 06 58 09.1–.07 32.4N–.30 132.2E–.30 26–1 3.6,3.4b
NIED V 02 06 58 09.1 32.42N 132.15E 26 3.7W,3.4b
ISC Event type ke.
IDC Error ellipse: s-maj=41.7km s-min=14.8km az=76.0.
JMA Event type fe. HYUGANADA REGION .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-1.25 $M_{\theta\theta}$-0.61 $M_{\phi\phi}$1.86 $M_{r\theta}$1.82 $M_{\theta\phi}$0.02 $M_{\phi r}$3.07 NP1:ϕ_s208.00000°,δ80.00000°,λ-75.00000°. NP2:ϕ_s331.00000° ,δ18.00000°,λ-146.00000°. $M_0$3.93000×10^{14}
ISC V 02 15 01 53.2–1.1 33.51N–.06 133.97E–.04 34–3 21 0-5
JMA V 02 15 01 53.4–.05 33.5N–.10 134.0E–.10 34–0 3.6 ¶610669459
NIED V 02 15 01 53.4 33.51N 133.98E 34 3.7W
ISC Event type ke.
JMA Event type fe. SE KOCHI PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}0.88 $M_{\theta\theta}$-3.91 $M_{\phi\phi}$3.03 $M_{r\theta}$-0.42 $M_{\theta\phi}$0.41 $M_{\phi r}$-0.62 NP1:ϕ_s230.00000°,δ82.00000°,λ14.00000°. NP2:ϕ_s138.00000° ,δ76.00000°,λ172.00000°. $M_0$3.60000×10^{14}
JMA V 06 02 41 22.7–.08 33.9N–.20 133.9E–.20 38–0 0.6 ¶614814292
JMA Event type ke. TOKUSHIMA PREF .
ISC V 10 23 09 04.6–1.9 33.19N–.04 132.23E–.03 30–17 22 0-24
JMA V 10 23 09 05.3–.04 33.2N–.10 132.2E–.10 41–0 3.4 ¶610689999
IDC V 10 23 09 06.4–1.9 33.25N 132.16E 70–22 3.4,3.0b
ISC Event type ke.
JMA Event type fe. BUNGO CHANNEL .
IDC Error ellipse: s-maj=27.1km s-min=14.3km az=166.0.
JMA V 28 03 04 23.9–.19 33.8N–.40 132.7E–.50 41–1 0.1 ¶614833995
JMA Event type ke. AKINADA SETONAIKAI .
JMA VI 13 14 30 35.0–.13 33.7N–.40 133.5E–.40 10–1 0.2 ¶617195266
JMA Event type ke. MID KOCHI PREF .
ISC VI 14 10 24 33.8–.54 33.80N–.04 133.43E–.03 36–1 4.3b 225 0-97
BJI VI 14 10 24 26.9–.00 33.76N 133.72E 20 4.8b,4.5b ¶610673078
IDC VI 14 10 24 33.0–2.3 33.76N 133.42E 33–18 4.0,3.8b
NEIC VI 14 10 24 33.2–.96 33.85N–.07 133.39E–.06 27–6 4.4b,3.8b
JMA VI 14 10 24 33.4–.04 33.8N–.10 133.4E–.10 38–0 4.5,4.4
NIED VI 14 10 24 33.4 33.80N 133.43E 38 4.4W,4.4
ISC Event type ke.
IDC Error ellipse: s-maj=21.0km s-min=11.0km az=163.0.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=6.9km az=160.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. NE EHIME PREF .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.20 $M_{\theta\theta}$-4.55 $M_{\phi\phi}$4.35 $M_{r\theta}$-0.28 $M_{\theta\phi}$1.03 $M_{\phi r}$1.83 NP1:ϕ_s320.00000°,δ80.00000°,λ161.00000°. NP2:ϕ_s53.00000° ,δ72.00000°,λ10.00000°. $M_0$4.92000×10^{15}
JMA VI 17 17 27 51.8–.09 32.5N–.20 132.0E–.40 12–1 0.6 ¶614852605
JMA Event type ke. HYUGANADA REGION .
ISC VI 18 13 33 41.0–1.1 33.04N–.04 132.15E–.03 34–2 24 0-56
IDC VI 18 13 33 36.6–1.6 32.94N 132.16E 0 3.7,3.2b ¶610764490
NIED VI 18 13 33 40.6 33.13N 132.06E 50 4.0W,3.2b
JMA VI 18 13 33 40.6–.06 33.1N–.20 132.1E–.20 50–0 3.8,3.7
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.48 $M_{\theta\theta}$-1.29 $M_{\phi\phi}$0.81 $M_{r\theta}$-0.06 $M_{\theta\phi}$0.51 $M_{\phi r}$0.42 NP1:ϕ_s323.00000°,δ73.00000°,λ154.00000°. NP2:ϕ_s62.00000° ,δ65.00000°,λ19.00000°. $M_0$1.29000×10^{15}
JMA Event type fe. BUNGO CHANNEL .
ISC VI 20 14 27 40.6–.26 32.88N–.03 132.03E–.02 43–1 5.0b,4.4s 644 0-152
BJI VI 20 14 27 39.6–.00 32.79N 132.19E 64 5.0b,4.7b ¶610686571
MOS VI 20 14 27 40.0–.98 32.85N 131.85E 58 5.1b,4.6s

NEIC VI 20 14 27 41.3 32.87N 132.05E 30 5.1b,4.6s
JMA VI 20 14 27 41.5–.05 32.9N–.20 132.0E–.20 42–0 5.0,4.9W
NEIC VI 20 14 27 41–2.1 32.87N–.05 132.04E–.04 37–5 5.2b,5.0
NEIC VI 20 14 27 41.3 32.77N 131.93E 30 5.2b,5.0
NIED VI 20 14 27 41.5 32.87N 132.03E 42 5.0W,5.0
GCMT VI 20 14 27 41.0–.20 32.89N–.01 131.96E–.02 26–0 5.2W,5.0
IDC VI 20 14 27 43.8–.73 32.89N 131.73E 74–6 4.5,4.3s
ISC Event type ke.
MOS Error ellipse: s-maj=7.2km s-min=4.2km az=110.0.
NEIC Event type se.
JMA Event type fe. HYUGANADA REGION .
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=5.0km az=189.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution.Duration: 1s5 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.19 $M_{\theta\theta}$0.50 $M_{\phi\phi}$-0.31 $M_{r\theta}$3.24 $M_{\theta\phi}$0.78 $M_{\phi r}$2.53 NP1:φs231.45000°,δ86.06000°,λ-93.03000°. NP2:φs89.05000°,δ4.96000°,λ-52.51000°. Principal axes: T 4.5344,Plg41.0000°,Azm324.0000°; N -0.7583,Plg3.0000°,Azm232.0000°; P -3.7761,Plg49.0000°,Azm138.0000° $M_0$4.16000×10^{16}
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.10 $M_{\theta\theta}$-0.39 $M_{\phi\phi}$0.49 $M_{r\theta}$2.43 $M_{\theta\phi}$0.14 $M_{\phi r}$2.36 NP1:φs226.00000°,δ89.00000°,λ-83.00000°. NP2:φs325.00000°,δ7.00000°,λ-171.00000°. $M_0$3.42000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s42,c53; s107,c154;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.38±.14 $M_{\theta\theta}$-0.24±.10; $M_{\phi\phi}$-0.14±.10; $M_{r\theta}$5.48±.31; $M_{\theta\phi}$0.28±.08; $M_{\phi r}$4.52±.28; Best double couple: NP1:φs51.00000°,δ89.00000°,λ89.00000°. NP2:φs284.00000°,δ1.00000°,λ143.00000°. Principal axes: T 7.3330,Plg46.0000°,Azm320.0000°; N -0.4540,Plg1.0000°,Azm51.0000°; P -6.8790,Plg44.0000°,Azm141.0000° $M_0$7.10600×10^{16}
IDC Error ellipse: s-maj=13.1km s-min=8.7km az=76.0.
ISC VI 20 22 31 18.7–.99 32.80N–.04 132.10E–.03 33–6 32 0-56
IDC VI 20 22 31 14.2–1.4 32.62N 132.06E 0 3.6,3.5b **¶610764492**
NIED VI 20 22 31 18.7 32.86N 132.03E 42 3.6W,3.5b
JMA VI 20 22 31 18.7–.05 32.9N–.20 132.0E–.20 42–0 3.6,3.5b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-1.82 $M_{\theta\theta}$0.51 $M_{\phi\phi}$1.31 $M_{r\theta}$1.41 $M_{\theta\phi}$0.88 $M_{\phi r}$1.98 NP1:φs215.00000°,δ71.00000°,λ-89.00000°. NP2:φs31.00000°,δ19.00000°,λ-94.00000°. $M_0$3.06000×10^{14}
JMA Event type fe. HYUGANADA REGION .

(237) Southeast of Shikoku.

IDC III 01 05 59 54.2–590 29.75N 133.51E 0
¶610545299
IDC Error ellipse: s-maj=221.2km s-min=134.6km az=62.0.
IDC III 17 01 30 21.1–354 30.23N 133.32E 0
¶610546351
IDC Error ellipse: s-maj=199.9km s-min=117.4km az=90.0.
ISC III 21 22 13 34.8–2.1 29.88N–.05 132.02E–.07 17–11 3.5b 34 1-75
IDC III 21 22 13 32.2–1.1 29.88N 132.05E 0 3.6,3.6b **¶610471002**
JMA III 21 22 13 36.0–.19 29.9N–.60 132E–1.0 64–4 3.5,3.6b
NIED III 21 22 13 36.0 29.93N 132.04E 64 3.9W,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=39.6km s-min=19.4km az=79.0.
JMA Event type ke. NEAR AMAMI-OSHIMA ISLAND.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-7.47 $M_{\theta\theta}$2.15 $M_{\phi\phi}$5.33 $M_{r\theta}$0.72 $M_{\theta\phi}$1.06 $M_{\phi r}$2.46 NP1:φs197.00000°,δ56.00000°,λ-90.00000°. NP2:φs17.00000°,δ34.00000°,λ-90.00000°. $M_0$7.05000×10^{14}
ISC IV 24 04 45 52.7–.93 32.74N–.09 136.34E–.07 450 3.2b 39 1-56
IDC IV 24 04 45 52.8–1.4 32.76N 136.37E 456–32 3.9,3.0b **¶610649856**
JMA IV 24 04 45 52.8–.46 33N–1.0 136E–1.0 444–4 3.3,3.0b
ISC Event type ke.
JMA Event type ke. SE OFF KII PENINSULA .
ISC V 21 00 12 59.8–1.7 31.98N–.05 132.02E–.05 16–10 3.6b 27 1-72
JMA V 21 00 13 01.7–.13 32.0N–.30 132.0E–.60 23–1 3.4 **¶610685052**
IDC V 21 00 13 09.5–1.7 32.60N 131.83E 69–15 3.4,3.2b
ISC Event type ke.
JMA Event type fe. HYUGANADA REGION .
IDC Error ellipse: s-maj=24.8km s-min=20.9km az=83.0.
JMA VI 18 19 33 55.0–.15 32.8N–.60 135.8E–.50 33–2 1.6
¶614853837
JMA Event type ke. S OFF KII PENINSULA .
ISC VI 21 03 58 23.3–.68 30.32N–.05 132.60E–.05 25 4.0b,3.3s 42 1-87
IDC VI 21 03 58 19.8–.75 30.29N 132.75E 0 3.9,3.9b **¶610764494**
JMA VI 21 03 58 22.7–.23 30.3N–.80 133E–1.0 78 3.6,3.9b
NIED VI 21 03 58 22.7 30.28N 132.66E 78 4.1W,3.9b
ISC Event type ke.
IDC Error ellipse: s-maj=22.3km s-min=16.1km az=88.0.
JMA Event type ke. N PHILIPPINE BASIN .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-1.94 $M_{\theta\theta}$0.74 $M_{\phi\phi}$1.20 $M_{r\theta}$0.41 $M_{\theta\phi}$0.32 $M_{\phi r}$0.56 NP1:φs210.00000°,δ56.00000°,λ-88.00000°. NP2:φs26.00000°,δ34.00000°,λ-94.00000°. $M_0$1.79000×10^{14}
ISC VI 29 22 03 50.9–3.1 30.30N–.05 132.64E–.05 14–18 4.2b,3.5s 69 1-100
IDC VI 29 22 03 48.9–.53 30.34N 132.65E 0 4.1,4.1b **¶610712021**
NIED VI 29 22 03 52.6 30.27N 132.64E 69 4.4W,4.1b
JMA VI 29 22 03 52.6–.19 30.3N–.60 132.6E–.90 69 4.2,3.9
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-4.90 $M_{\theta\theta}$2.10 $M_{\phi\phi}$2.80 $M_{r\theta}$0.57 $M_{\theta\phi}$0.25 $M_{\phi r}$2.18 NP1:φs196.00000°,δ60.00000°,λ-91.00000°. NP2:φs17.00000°,δ30.00000°,λ-89.00000°. $M_0$4.50000×10^{15}
JMA Event type ke. N PHILIPPINE BASIN .

(238) Ryukyu Islands.

ISC I 01 07 48 53.5–1.6 26.93N–.04 128.82E–.05 1–12 3.3b 23 0-51
IDC I 01 07 48 54.4–1.2 26.85N 128.39E 0 3.3,3.3b **¶610236366**
JMA I 01 07 48 55.1–.17 27.0N–.40 128.7E–.80 13–2 3.0,3.3b
ISC Event type ke.
JMA Event type ke. NEAR OKINAWAJIMA ISLAND .
ISC I 05 04 57 33.6–.79 26.92N–.07 127.17E–.07 92–8 3.9b 32 0-78
IDC I 05 04 57 32.5–1.6 26.91N 127.05E 81–17 3.9,3.6b **¶610236754**
JMA I 05 04 57 34.0–.25 27N–1.0 127.2E–.90 89–2 3.3,3.6b
ISC Event type ke.
JMA Event type ke. NW OFF OKINAWAJIMA IS .
ISC I 05 10 42 45.5–.67 26.05N–.04 128.67E–.04 24–3 4.8b,3.9s 295 1-93
BJI I 05 10 42 39.1–.00 25.87N 128.85E 10 4.8b,4.8b **¶609985584**
IDC I 05 10 42 42.5–.60 26.15N 128.63E 0 4.5b,4.4
MOS I 05 10 42 43.3–1.1 26.09N 128.57E 18 5.0b,4.4
NEIC I 05 10 42 43.4–2.4 26.01N–.05 128.70E–.07 10–1 4.9b,4.4
NIED I 05 10 42 46.3 26.16N 128.65E 42 4.6W,4.4
JMA I 05 10 42 46.3–.26 26.2N–.80 129E–1.0 42–3 4.4,4.2
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}6.00 $M_{\theta\theta}$-1.06 $M_{\phi\phi}$-4.94 $M_{r\theta}$0.63 $M_{\theta\phi}$-5.61 $M_{\phi r}$0.36 NP1:φs41.00000°,δ48.00000°,λ98.00000°. NP2:φs210.00000°,δ43.00000°,λ82.00000°. $M_0$7.51000×10^{15}
JMA Event type ke. NEAR OKINAWAJIMA ISLAND .
IDC I 06 07 32 08.0–1.6 28.04N 129.16E 0 3.4,3.3b
¶610236817
IDC Error ellipse: s-maj=51.2km s-min=33.0km az=98.0.
ISC I 06 09 04 34.0–.42 29.16N–.04 130.42E–.05 40 4.6b,3.9s 176 1-99
BJI I 06 09 04 29.4–.00 29.03N 130.68E 31 4.8b,4.5b **¶610019735**
NEIC I 06 09 04 30.1–1.5 29.15N–.05 130.43E–.08 10–1 4.7b,4.5b
JMA I 06 09 04 33.5–.13 29.2N–.50 130E–1.0 69–3 4.3,4.0
NIED I 06 09 04 33.5 29.24N 130.42E 69 4.6W,4.0
IDC I 06 09 04 34.9–1.4 29.28N 130.33E 44–12 4.1,3.9b
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=8.4km az=100.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. NEAR AMAMI-OSHIMA ISLAND.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}4.07 $M_{\theta\theta}$-2.74 $M_{\phi\phi}$-1.33 $M_{r\theta}$3.09 $M_{\theta\phi}$-3.48 $M_{\phi r}$5.22 NP1:φs33.00000°,δ72.00000°,λ75.00000°. NP2:φs254.00000°,δ23.00000°,λ128.00000°. $M_0$7.82000×10^{15}
IDC Error ellipse: s-maj=18.0km s-min=8.6km az=113.0.
ISC I 07 09 49 29.2–1.5 27.88N–.04 127.96E–.05 19–4 3.5b 26 1-77
JMA I 07 09 49 27.2–.26 27.9N–.40 127.9E–.50 6–2 3.3 **¶610208173**
IDC I 07 09 49 32.8–1.8 27.72N 127.90E 55–32 3.7,3.4b
ISC Event type ke.
JMA Event type ke. NW OFF OKINAWAJIMA IS .
IDC Error ellipse: s-maj=39.5km s-min=26.5km az=82.0.
ISC I 07 09 50 16.3–1.5 27.91N–.04 128.04E–.05 16–10 4.3b,4.3s 73 1-99
IDC I 07 09 50 13.6–.62 28.00N 128.09E 0 4.0s,4.0 **¶610236892**
JMA I 07 09 50 15.7–.25 27.9N–.50 127.9E–.60 17–2 3.7,4.0
NIED I 07 09 50 15.7 27.94N 127.92E 17 4.5W,4.0
NEIC I 07 09 50 19.5–1.6 27.89N–.05 128.03E–.09 35–7 4.6b,4.0
ISC Event type ke.
JMA Event type ke. NW OFF OKINAWAJIMA IS .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-6.28 $M_{\theta\theta}$3.76 $M_{\phi\phi}$2.52 $M_{r\theta}$-2.93 $M_{\theta\phi}$2.45 $M_{\phi r}$-1.72 NP1:φs56.00000°,δ60.00000°,λ-87.00000°. NP2:φs229.00000°,δ30.00000°,λ-96.00000°. $M_0$6.87000×10^{15}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 08 12 55 56.3–1.3 29.85N–.06 130.94E–.09 44–13 3.5b 34 1-71
IDC I 08 12 55 56.6–1.6 29.90N 130.77E 43–15 3.5,3.3b **¶610208174**
JMA I 08 12 55 56.0–.16 29.9N–.60 131.0E–.60 42–1 3.6,3.3b
NIED I 08 12 55 56.0 29.87N 131.00E 42 3.9W,3.3b
ISC Event type ke.
IDC Error ellipse: s-maj=28.9km s-min=8.8km az=109.0.
JMA Event type ke. NEAR AMAMI-OSHIMA ISLAND.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-6.86 $M_{\theta\theta}$4.23 $M_{\phi\phi}$2.63 $M_{r\theta}$-0.02 $M_{\theta\phi}$3.09 $M_{\phi r}$-0.53 NP1:φs49.00000°,δ47.00000°,λ-94.00000°. NP2:φs235.00000°,δ44.00000°,λ-85.00000°. $M_0$6.76000×10^{14}
ISC I 12 13 13 36.3–.83 26.54N–.08 126.01E–.07 133–10 3.4b 45 1-50
JMA I 12 13 13 36.0–.25 27N–2.0 126E–2.0 133–2 3.3 **¶610237241**
IDC I 12 13 13 36.6–5.8 26.54N 126.14E 132–72 3.5,3.1b
ISC Event type ke.
JMA Event type ke. NW OFF OKINAWAJIMA IS .
IDC Error ellipse: s-maj=90.9km s-min=17.9km az=62.0.
ISC I 13 12 28 39.4–.58 26.58N–.04 127.83E–.04 54–5 4.6b,3.4s 198 0-93
BJI I 13 12 28 35.5–.00 26.26N 127.89E 53 4.6b,4.4b **¶610086840**
NEIC I 13 12 28 38.8–2.5 26.42N–.07 127.91E–.06 48–5 4.6b,4.4b
IDC I 13 12 28 39.2–1.2 26.71N 127.75E 43–12 4.4,4.1b
JMA I 13 12 28 40.1–.19 26.7N–.60 127.8E–.60 47–2 4.0,4.0
NIED I 13 12 28 40.1 26.67N 127.76E 47 4.5W,4.0
ISC Event type ke. Moment Tensor Solution. NP1:φs290.18802°,δ6.71846°,λ173.80411°. NP2: φs26.34169°,δ89.27653°,λ83.32043°. Principal axes: T Plg45.3310°,Azm289.6230°; N Plg6.6790°,Azm26.4264°; P Plg43.8937°,Azm122.8954°
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=7.8km az=171.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=17.6km s-min=14.5km az=81.0.
JMA Event type fe. NEAR OKINAWAJIMA ISLAND .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}1.32 $M_{\theta\theta}$-0.85 $M_{\phi\phi}$-0.47 $M_{r\theta}$4.19 $M_{\theta\phi}$-0.60 $M_{\phi r}$3.71 NP1:φs49.00000°,δ83.00000°,λ89.00000°. NP2:φs239.00000°,δ7.00000°,λ100.00000°. $M_0$5.75000×10^{15}
ISC I 14 23 27 52.0–1.7 26.84N–.06 129.94E–.04 7–12 3.5b 26 1-50
JMA I 14 23 27 54.5–.07 26.8N–.40 130.0E–.40 56 3.0 **¶610237396**
IDC I 14 23 27 56.0–2.6 26.28N 129.46E 0 3.4,3.4b
ISC Event type ke.
JMA Event type ke. NEAR AMAMI-OSHIMA ISLAND.
IDC Error ellipse: s-maj=79.7km s-min=18.1km az=48.0.
ISC I 16 20 34 19.9–1.8 26.35N–.05 128.84E–.04 6–13 3.6b 22 1-73
IDC I 16 20 34 19.7–2.5 25.95N 128.21E 0 3.6,3.6b **¶610237540**
JMA I 16 20 34 24.9–.20 26.4N–.60 128.7E–.80 27–2 3.2,3.6b
ISC Event type ke.
JMA Event type ke. NEAR OKINAWAJIMA ISLAND .
ISC I 20 19 36 47.0–1.6 26.16N–.05 128.71E–.04 17–9 4.3b 103 1-80
NEIC I 20 19 36 46.0–1.7 26.11N–.05 128.69E–.05 9–4 4.4b **¶610207628**
IDC I 20 19 36 46.3–1.2 26.29N 128.55E 0 4.2L,4.0
JMA I 20 19 36 49.6–.28 26.3N–.90 129E–1.0 39–4 3.8,4.0
NIED I 20 19 36 49.6 26.28N 128.68E 39 3.9W,4.0
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=8.2km s-min=5.4km az=220.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=51.6km s-min=14.2km az=73.0.
JMA Event type ke. NEAR OKINAWAJIMA ISLAND .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}2.94 $M_{\theta\theta}$-4.47 $M_{\phi\phi}$1.53 $M_{r\theta}$1.84 $M_{\theta\phi}$5.93 $M_{\phi r}$4.12 NP1:φs340.00000°,δ67.00000°,λ149.00000°. NP2:φs83.00000°,δ61.00000°,λ26.00000°. $M_0$8.42000×10^{14}
ISC I 21 06 07 06.2–2.0 24.04N–.07 126.65E–.04 9–11 3.7b 36 1-48
IDC I 21 06 07 06.2–1.1 23.95N 126.83E 0 3.6,3.6b **¶610234980**
JMA I 21 06 07 10.2–.24 24N–2.0 127E–2.0 107–4 3.1,3.6b
ISC Event type ke.
JMA Event type ke. NEAR MIYAKOJIMA ISLAND .
ISC I 22 00 40 59.7–.69 29.30N–.05 130.58E–.07 34 3.9b,3.4s 34 1-79
JMA I 22 00 40 58.8–.12 29.2N–.40 130.7E–.60 42 3.4,3.4s **¶610235040**
IDC I 22 00 41 03.5–1.9 29.53N 130.58E 60–17 3.7,3.5b
ISC Event type ke.
JMA Event type ke. NEAR AMAMI-OSHIMA ISLAND.
IDC Error ellipse: s-maj=24.2km s-min=12.0km az=107.0.
ISC I 22 01 16 09.9–.83 29.97N–.07 130.2E–.10 104–6 3.4b 18 0-74
JMA I 22 01 16 04.9–.34 29.2N–.50 130.7E–.70 19–4 3.2 **¶614113440**
IDC I 22 01 16 05.9–4.2 29.89N 130.22E 66–40 3.4,3.1b
ISC Event type ke.
JMA Event type ke. NEAR AMAMI-OSHIMA ISLAND.
IDC Error ellipse: s-maj=46.2km s-min=21.2km az=74.0.
ISC I 22 03 08 53.9–1.4 29.21N–.07 130.7E–.10 40 3.6b 14 1-75
JMA I 22 03 08 51.6–.38 29.2N–.50 130.7E–.70 12–4 2.7 **¶610235051**
IDC I 22 03 08 57.7–9.0 29.39N 130.65E 68–64 3.6,3.4b
ISC Event type ke.
JMA Event type ke. NEAR AMAMI-OSHIMA ISLAND.
IDC Error ellipse: s-maj=109.6km s-min=62.1km az=103.0.
ISC I 22 20 21 56.8–1.2 26.05N–.05 128.59E–.03 19–4 3.6b 38 1-86
IDC I 22 20 21 54.5–.97 26.09N 128.55E 0 3.7,3.7b **¶610235137**
JMA I 22 20 21 58.3–.31 26.1N–1.0 129E–1.0 39–4 3.4,3.7b
ISC Event type ke.
JMA Event type ke. NEAR OKINAWAJIMA ISLAND .
ISC I 24 18 03 58.8–1.4 25.98N–.05 128.71E–.04 14–9 3.6b 47 1-79
NIED I 24 18 04 01.1 26.03N 128.62E 44 3.8W **¶610207633**
JMA I 24 18 04 01.1–.29 26.0N–.90 129E–1.0 44 4.1
IDC I 24 18 04 02.6–5.6 26.08N 128.56E 30–39 3.7,3.5b
ISC Event type ke.
NIED Moment Tensor Solution. s2 Moment tensor: Scale 10^{14}Nm; M_{rr}-0.59 $M_{\theta\theta}$-2.38 $M_{\phi\phi}$2.96 $M_{r\theta}$-0.83 $M_{\theta\phi}$3.50 $M_{\phi r}$2.70 NP1:φs163.00000°,δ86.00000°,λ-147.00000°. NP2:φs71.00000°,δ57.00000°,λ-4.00000°. $M_0$5.24000×10^{14}
JMA Event type ke. NEAR OKINAWAJIMA ISLAND .
IDC Error ellipse: s-maj=30.7km s-min=20.9km az=74.0.
ISC I 31 12 00 09.9–.39 25.07N–.05 127.05E–.05 28 4.4b,4.0s 176 1-100
BJI I 31 12 00 05.9–.00 24.91N 127.30E 28 4.7b,4.3b **¶610159181**
IDC I 31 12 00 07.0–.71 25.14N 126.85E 0 4.1,4.1b
NEIC I 31 12 00 07.5–2.5 25.18N–.07 127.08E–.07 10–1 4.6b,4.1b
MOS I 31 12 00 08.9–1.3 25.08N 127.01E 33 4.6b,4.1b
JMA I 31 12 00 11.3–.28 25N–1.0 127E–2.0 66 3.8,4.1b
NIED I 31 12 00 11.3 25.13N 126.98E 66 4.4W,4.1b
ISC Event type ke.
IDC Error ellipse: s-maj=19.0km s-min=15.4km az=95.0.
NEIC Event type se. Error ellipse: s-maj=12.2km s-min=9.2km az=142.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=9.8km s-min=6.7km az=108.8.
JMA Event type ke. NEAR OKINAWAJIMA ISLAND .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.23 $M_{\theta\theta}$-0.56 $M_{\phi\phi}$0.34 $M_{r\theta}$3.26 $M_{\theta\phi}$-1.94 $M_{\phi r}$3.67 NP1:φs37.00000°,δ84.00000°,λ80.00000°. NP2:φs278.00000°

,δ12.00000°,λ150.00000°. M0 5.08000×10^15
ISC I 31 12 03 38.0–.46 25.16N–.05 126.97E–.05 28 4.3b 97 1-80
IDC I 31 12 03 34.3–.79 25.14N 126.76E 0 4.0b,3.9 **¶610207639**
NEIC I 31 12 03 36.1–2.2 25.20N–.07 127.00E–.07 10–1 4.4b,3.9
JMA I 31 12 03 38.5–.16 25.2N–1.0 127.0E–.90 68 3.6,3.9
NIED I 31 12 03 38.5 25.15N 126.95E 68 4.3W,3.9
ISC Event type ke.
IDC Error ellipse: s-maj=22.1km s-min=17.2km az=87.0.
NEIC Event type se. Error ellipse: s-maj=12.6km s-min=9.4km az=142.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. NEAR OKINAWAJIMA ISLAND .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^15Nm; Mrr0.17 Mθθ-0.36 Mϕϕ0.19 Mrθ2.33 Mθϕ-1.16 Mϕr2.58 NP1:ϕs39.00000°,δ85.00000°,λ82.00000°. NP2:ϕs275.00000°,δ9.00000°,λ145.00000°. M0 3.57000×10^15
ISC I 31 14 46 25.1–1.4 26.03N–.06 126.29E–.05 12–10 4.1b 56 1-83
JMA I 31 14 46 23.5–.17 26.3N–.90 126.1E–.60 19–1 3.0 **¶610235825**
IDC I 31 14 46 24.6–1.0 26.01N 126.34E 0 4.3s,3.5
NEIC I 31 14 46 25.7–1.7 26.02N–.09 126.29E–.02 15–5 4.4b,3.5
ISC Event type ke.
JMA Event type ke. NW OFF OKINAWAJIMA IS .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 31 23 24 09.1–.58 27.34N–.04 127.47E–.05 118–5 4.6b 291 1-90
BJI I 31 23 24 03.3–.00 26.95N 127.72E 112 4.6b,4.1b **¶610159386**
NEIC I 31 23 24 09.2–1.4 27.35N–.07 127.48E–.08 117–7 4.7b,4.1b
JMA I 31 23 24 09.9–.18 27.4N–1.0 127.5E–1.0 107–2 4.0,3.8
IDC I 31 23 24 09.5–1.1 27.40N 127.37E 117–10 4.2,3.8b
NIED I 31 23 24 09.9 27.41N 127.46E 107 4.1W,3.8b
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=10.1km az=118.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. NW OFF OKINAWAJIMA IS .
IDC Error ellipse: s-maj=17.1km s-min=10.4km az=83.0.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^15Nm; Mrr0.43 Mθθ-0.39 Mϕϕ-0.04 Mrθ-1.72 Mθϕ0.28 Mϕr0.22 NP1:ϕs278.00000°,δ83.00000°,λ83.00000°. NP2:ϕs143.00000°,δ10.00000°,λ134.00000°. M0 1.81000×10^15
ISC II 01 18 11 31.5–.45 28.11N–.03 130.04E–.03 32–2 4.8b,4.2s 458 0-115
IDC II 01 18 11 26.8–.50 28.18N 129.92E 0 4.1,4.1b **¶610169735**
JMA II 01 18 11 28.0–.16 28.0N–.80 130.3E–.80 34–1 4.3,4.3
NIED II 01 18 11 28.0 28.00N 130.27E 34 4.7W,4.3
BJI II 01 18 11 27.9–.00 27.95N 130.30E 41 4.8b,4.6s
MOS II 01 18 11 31.4–1.1 28.30N 129.97E 33 4.8b,4.7s
NEIC II 01 18 11 33.0–1.8 28.36N–.05 129.91E–.07 34–2 4.9b,4.7s
BGR II 01 18 11 37.4 29.53N 130.94E 33 5.0b,4.7s
ISC Event type ke.
IDC Error ellipse: s-maj=15.9km s-min=11.4km az=91.0.
JMA Event type fe. NEAR AMAMI-OSHIMA ISLAND.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^16Nm; Mrr0.68 Mθθ0.26 Mϕϕ-0.94 Mrθ0.33 Mθϕ-0.79 Mϕr0.19 NP1:ϕs57.00000°,δ64.00000°,λ134.00000°. NP2:ϕs171.00000°,δ50.00000°,λ35.00000°. M0 1.14000×10^16
MOS Error ellipse: s-maj=8.8km s-min=4.8km az=111.0.
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=7.4km az=99.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC Event type ke. Hypocentre not reviewed by the ISC.
ISC II 01 21 07 07.3–1.9 26.16N–.08 126.18E–.06 2–13 3.6b 24 1-50
JMA II 01 21 07 07.2–.20 26N–1.0 126.1E–.70 17–1 2.8 **¶610414626**
IDC II 01 21 07 07.3–1.0 26.18N 126.20E 0 3.5,3.5b
ISC Event type ke.
JMA Event type ke. NW OFF OKINAWAJIMA IS .
IDC Error ellipse: s-maj=26.7km s-min=19.9km az=52.0.
ISC II 01 21 40 17.2–1.8 26.11N–.09 126.24E–.07 10–12 3.8b,3.3s 25 1-79
JMA II 01 21 40 16.2–.19 26N–1.0 126.1E–.70 20–1 3.3,3.3s **¶610414627**
IDC II 01 21 40 25.2–3.7 26.17N 126.47E 74–39 3.7,3.4b
ISC Event type ke.
JMA Event type ke. NW OFF OKINAWAJIMA IS .
IDC Error ellipse: s-maj=35.5km s-min=18.8km az=61.0.
ISC II 02 11 05 54.1–.79 27.40N–.03 128.74E–.04 46–6 3.8b,3.2s 53 0-85
IDC II 02 11 05 54.9–.79 27.46N 128.40E 45–9 3.8,3.6b **¶610243763**
NIED II 02 11 05 55.1 27.45N 128.67E 43 4.0W,3.6b
JMA II 02 11 05 55.1–.06 27.4N–.60 128.7E–.90 43–0 4.1,3.9
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^15Nm; Mrr0.37 Mθθ0.03 Mϕϕ-0.39 Mrθ0.55 Mθϕ-0.44 Mϕr0.78 NP1:ϕs36.00000°,δ76.00000°,λ93.00000°. NP2:ϕs204.00000°,δ15.00000°,λ78.00000°. M0 1.09000×10^15
JMA Event type fe. NEAR OKINAWAJIMA ISLAND .
ISC II 06 01 26 47.5–.91 29.10N–.03 130.17E–.05 48–9 4.3b,3.0s 94 1-90
JMA II 06 01 26 47.5–.08 29.2N–.30 130.1E–.80 43–3 3.7,3.0s **¶610247235**
NEIC II 06 01 26 47.6–1.2 29.14N–.02 130.1E–.10 44–8 4.5b,3.0s
NIED II 06 01 26 47.5 29.15N 130.11E 43 4.0W,3.0s
IDC II 06 01 26 48.1–1.4 29.13N 130.06E 51–13 3.8,3.5b
ISC Event type ke.
JMA Event type ke. NEAR AMAMI-OSHIMA ISLAND.
NEIC Event type se. Error ellipse: s-maj=16.5km s-min=1.0km az=101.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^15Nm; Mrr0.87 Mθθ-0.33 Mϕϕ-0.55 Mrθ0.60 Mθϕ-0.54 Mϕr0.53 NP1:ϕs46.00000°,δ65.00000°,λ96.00000°. NP2:ϕs211.00000°,δ25.00000°,λ77.00000°. M0 1.23000×10^15
IDC Error ellipse: s-maj=18.9km s-min=8.5km az=109.0.
ISC II 07 19 01 33.4–.80 27.27N–.04 128.47E–.04 53–6 3.6b 42 0-78
IDC II 07 19 01 33.2–.80 27.22N 128.16E 46–20 3.5,3.3b **¶610415063**
JMA II 07 19 01 34.2–.11 27.3N–.50 128.4E–.80 48–1 3.6,3.3b
ISC Event type ke.
JMA Event type fe. NEAR OKINAWAJIMA ISLAND .
ISC II 09 02 11 25.6–.88 28.12N–.04 129.97E–.06 34–3 4.7b,3.9s 232 0-98
MOS II 09 02 11 20.8–1.2 28.16N 129.92E 10 4.9b,3.9s **¶610205757**
IDC II 09 02 11 20.6–.64 28.18N 129.99E 0 4.3,4.3b
JMA II 09 02 11 22.1–.21 28N–1.0 130E–1.0 34–2 4.3,4.2
NIED II 09 02 11 22.1 28.00N 130.23E 34 4.6W,4.2
NEIC II 09 02 11 24.3–1.5 28.08N–.06 129.99E–.08 23–6 4.9b,4.2
ISC Event type ke.
JMA Event type fe. NEAR AMAMI-OSHIMA ISLAND.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^15Nm; Mrr5.59 Mθθ1.75 Mϕϕ-7.35 Mrθ1.34 Mθϕ-4.74 Mϕr1.12 NP1:ϕs40.00000°,δ54.00000°,λ114.00000°. NP2:ϕs183.00000°,δ43.00000°,λ61.00000°. M0 7.78000×10^15
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 12 10 58 52.5–.88 27.55N–.07 127.06E–.06 164–7 3.2b 39 1-78
IDC II 12 10 58 52.3–1.2 27.57N 127.11E 156–14 3.5,3.0b **¶610415372**
JMA II 12 10 58 54.2–.32 28N–2.0 127E–2.0 145–4 3.3,3.0b
ISC Event type ke.
JMA Event type ke. NW OFF OKINAWAJIMA IS .
ISC II 15 21 56 30.9–2.2 27.06N–.04 130.59E–.05 16–15 3.5b 34 1-79
IDC II 15 21 56 29.0–1.4 27.13N 130.62E 0 3.5,3.5b **¶610415587**
JMA II 15 21 56 32.1–.06 27.0N–.40 130.6E–.50 65 2.8,3.5b
ISC Event type ke.
JMA Event type ke. NEAR MINAMI-DAITOJIMA IS.
ISC II 19 04 27 08.0–1.3 29.31N–.05 130.51E–.08 38–2 3.4b 29 1-90
JMA II 19 04 27 06.8–.10 29.3N–.50 130.6E–.70 48–3 3.2 **¶610415798**
IDC II 19 04 27 09.3–4.9 29.35N 130.14E 34–39 3.5,3.4b
ISC Event type ke.
JMA Event type ke. NEAR AMAMI-OSHIMA ISLAND.
IDC Error ellipse: s-maj=35.9km s-min=19.6km az=96.0.
ISC II 25 02 50 06.5–.72 29.45N–.03 130.67E–.04 29–5 4.8b,4.0s 243 1-115
BJI II 25 02 50 02.8–.00 29.21N 130.90E 30 4.7b,4.4b **¶610240968**
MOS II 25 02 50 05.4–1.0 29.49N 130.60E 34 4.9b,4.4b
NEIC II 25 02 50 06.6–1.2 29.47N–.05 130.67E–.09 27–5 4.8b,4.4b
JMA II 25 02 50 07.6–.11 29.5N–.50 130.7E–.70 50–2 4.3,4.3
IDC II 25 02 50 07.7–3.4 29.54N 130.53E 33–26 4.4,4.2b
NIED II 25 02 50 07.8 29.49N 130.72E 50 4.5W,4.2b
ISC Event type ke.
MOS Error ellipse: s-maj=9.0km s-min=5.6km az=107.5.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=7.6km az=102.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. NEAR AMAMI-OSHIMA ISLAND.
IDC Error ellipse: s-maj=13.6km s-min=11.2km az=110.0.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^15Nm; Mrr3.17 Mθθ-1.62 Mϕϕ-1.55 Mrθ4.01 Mθϕ-2.45 Mϕr4.82 NP1:ϕs40.00000°,δ75.00000°,λ86.00000°. NP2:ϕs234.00000°,δ15.00000°,λ103.00000°. M0 7.24000×10^15
ISC II 25 17 51 49.3–1.4 26.47N–.04 129.37E–.03 10–8 4.0b 99 1-80
IDC II 25 17 51 48.8–.70 26.47N 129.16E 0 4.2L,3.9 **¶610247264**
JMA II 25 17 51 51.5–.11 26.5N–.50 129.4E–.50 42 4.2,3.6
NIED II 25 17 51 51.5 26.46N 129.35E 42 4.0W,3.6
NEIC II 25 17 51 53.6–1.7 26.47N–.07 129.35E–.05 35–5 4.1b,3.6
ISC Event type ke.
JMA Event type ke. NEAR OKINAWAJIMA ISLAND .
NIED Moment Tensor Solution. s2 Moment tensor: Scale 10^15Nm; Mrr-0.93 Mθθ0.68 Mϕϕ0.25 Mrθ0.49 Mθϕ0.31 Mϕr0.09 NP1:ϕs250.00000°,δ60.00000°,λ-83.00000°. NP2:ϕs55.00000°,δ31.00000°,λ-102.00000°. M0 1.02000×10^15
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 28 19 44 37.6–.42 28.60N–.04 128.72E–.05 150 4.3b 137 1-92
IDC II 28 19 44 36.3–.75 28.65N 128.63E 136–8 4.0,3.6b **¶610242083**
JMA II 28 19 44 37.1–.21 28.7N–.80 129E–2.0 136–2 3.7,3.6b
NEIC II 28 19 44 37.5–1.0 28.60N–.06 128.72E–.08 139–7 4.4b,3.6b
ISC Event type ke.
JMA Event type ke. NEAR TOKARA ISLANDS .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 13 16 07 29.1–.97 29.11N–.03 129.27E–.06 10–6 3.5b 25 0-76
JMA III 13 16 07 28.7–.17 29.2N–.50 129E–2.0 15–1 3.1 **¶610546152**
IDC III 13 16 07 33.8–1.8 29.04N 129.24E 47–21 3.6,3.3b
ISC Event type ke.
JMA Event type fe. NEAR TOKARA ISLANDS .
IDC Error ellipse: s-maj=30.9km s-min=14.7km az=107.0.
ISC III 14 10 13 46.2–.96 29.15N–.04 129.34E–.05 11–6 3.5b,3.1s 26 0-75
JMA III 14 10 13 45.8–.18 29.2N–.70 129E–2.0 18–2 3.4,3.1s **¶610470959**
NIED III 14 10 13 45.8 29.17N 129.27E 18 4.4W,3.1s
IDC III 14 10 13 50.6–2.0 29.02N 129.32E 41–20 3.6,3.5L
ISC Event type ke.
JMA Event type fe. NEAR TOKARA ISLANDS .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^15Nm; Mrr-0.59 Mθθ0.48 Mϕϕ0.11 Mrθ0.91 Mθϕ-0.14 Mϕr3.68 NP1:ϕs194.00000°,δ88.00000°,λ-89.00000°. NP2:ϕs1.00000°,δ3.00000°,λ-103.00000°. M0 3.80000×10^15
IDC Error ellipse: s-maj=27.9km s-min=11.9km az=95.0.
ISC III 16 06 49 08.3–.71 26.66N–.05 127.83E–.05 58–6 4.0b 62 0-78
NEIC III 16 06 49 07.7–1.1 26.59N–.10 127.78E–.08 50–7 4.0b **¶614158840**
IDC III 16 06 49 08.4–1.4 26.61N 128.04E 52–16 4.7L,4.1
JMA III 16 06 49 08.5–.15 26.7N–.40 127.8E–.50 58–1 4.0,3.9
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. NEAR OKINAWAJIMA ISLAND .
ISC III 17 06 38 58.1–.87 27.69N–.04 129.01E–.05 54–7 3.7b 32 0-77
JMA III 17 06 38 58.4–.11 28N–1.0 129E–2.0 52–1 3.4 **¶610546360**
IDC III 17 06 38 58.8–1.1 27.77N 128.70E 60–12 3.7,3.4b
ISC Event type ke.
JMA Event type ke. NEAR AMAMI-OSHIMA ISLAND.
IDC Error ellipse: s-maj=49.3km s-min=11.6km az=107.0.
ISC III 17 16 29 17.3–.77 26.40N–.09 126.24E–.07 124–9 3.3b 58 0-79
IDC III 17 16 29 16.9–2.1 26.27N 126.36E 126–22 3.5,3.4s **¶610546396**
JMA III 17 16 29 17.0–.23 26N–2.0 126E–2.0 121–2 3.7,3.4s
ISC Event type ke.
JMA Event type ke. NW OFF OKINAWAJIMA IS .
IDC III 18 00 49 56.0–1.5 27.46N 127.47E 0 3.5,3.5b
¶610546423
IDC Error ellipse: s-maj=61.0km s-min=31.4km az=63.0.
ISC III 18 16 42 03.4–.49 28.92N–.04 128.02E–.05 216–5 4.2b 187 1-92
IDC III 18 16 42 02.7–.71 29.03N 127.99E 201–8 4.1,3.5b **¶610345917**
NEIC III 18 16 42 03.6–1.8 28.93N–.06 128.00E–.10 216–7 4.2b,3.5b
NIED III 18 16 42 04.9 28.91N 127.99E 207 4.1W,3.5b
JMA III 18 16 42 04.9–.23 29N–1.0 128E–2.0 207–3 4.2,4.0
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^15Nm; Mrr-1.31 Mθθ1.60 Mϕϕ-0.29 Mrθ-0.63 Mθϕ0.04 Mϕr-0.16 NP1:ϕs82.00000°,δ57.00000°,λ-98.00000°. NP2:ϕs277.00000°,δ34.00000°,λ-78.00000°. M0 1.59000×10^15
JMA Event type ke. NW OFF AMAMI-OSHIMA IS .
ISC III 22 09 54 25.9–1.1 27.63N–.03 128.35E–.05 17–8 3.6b 38 0-77
IDC III 22 09 54 24.0–1.0 27.53N 128.25E 0 3.8L,3.6 **¶610471007**
JMA III 22 09 54 25.7–.12 27.6N–.50 128.3E–.60 22–1 3.7,3.6
NIED III 22 09 54 25.7 27.64N 128.32E 22 3.7W,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=40.6km s-min=13.5km az=85.0.
JMA Event type ke. NEAR OKINAWAJIMA ISLAND .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^14Nm; Mrr-1.55 Mθθ0.97 Mϕϕ0.58 Mrθ-2.36 Mθϕ-2.42 Mϕr-0.58 NP1:ϕs96.00000°,δ73.00000°,λ-132.00000°. NP2:ϕs348.00000°,δ45.00000°,λ-25.00000°. M0 3.69000×10^14
ISC III 24 16 43 27.4–.24 26.85N–.03 127.28E–.03 85–1 5.5b 1789 0-176
MOS III 24 16 43 24.9–.92 26.92N 127.19E 75 5.8b,4.2s **¶611832114**
BJI III 24 16 43 24.3–.00 26.62N 127.43E 76 5.0b,4.8b
NEIC III 24 16 43 27 26.52N 127.77E 80 5.0b,4.8b
NEIC III 24 16 43 27 26.92N 127.21E 80 5.0b,4.8b
NEIC III 24 16 43 27.1–2.0 26.89N–.07 127.22E–.06 77–4 5.5b,5.2
IDC III 24 16 43 27.4–.46 26.96N 127.20E 82–4 5.2,4.9b
NEIC III 24 16 43 27.3 26.90N 127.20E 79 5.2,4.9b
JMA III 24 16 43 28.2–.24 27N–1.0 127.2E–.80 87–2 5.1W,5.1
NIED III 24 16 43 28.2 26.84N 127.20E 87 5.1W,5.1
GCMT III 24 16 43 29.1–.20 26.75N–.01 127.26E–.01 95–1 5.2W,5.1
BGR III 24 16 43 30.4 26.96N 127.14E 90 6.0b,5.1
ISC Event type ke. Moment Tensor Solution. NP1:ϕs193.03023°,δ30.98903°,λ-119.51379°. NP2:ϕs46.46878°,δ63.38056°,λ-73.51781°. Principal axes: T Plg16.8191°,Azm124.3708°; N Plg14.6932°,Azm218.9171°; P Plg67.3696°,Azm347.8936°
MOS Error ellipse: s-maj=5.7km s-min=3.5km az=117.5.
NEIC Event type se. Moment Tensor Solution.Duration: 1s8 Moment tensor: Scale 10^16Nm; Mrr-3.11 Mθθ-1.68 Mϕϕ4.79 Mrθ-2.82 Mθϕ1.94 Mϕr-0.22 NP1:ϕs48.21000°,δ63.04000°,λ-45.09000°. NP2:ϕs162.66000°,δ50.86000°,λ-144.24000°. Principal axes: T 5.4444,Plg7.0000°,Azm108.0000°; N -0.0347,Plg39.0000°,Azm204.0000°; P -5.4097,Plg50.0000°,Azm9.0000° M0 5.43000×10^16
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=8.1km az=163.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^16Nm; Mrr-3.79 Mθθ-5.89 Mϕϕ9.67 Mrθ-3.08 Mθϕ0.01 Mϕr-1.21 NP1:ϕs38.66000°,δ69.58000°,λ-30.83000°. NP2:ϕs140.42000°,δ61.29000°,λ-156.56000°. Principal axes: T 9.7877,Plg5.0000°,Azm91.0000°; N -1.6649,Plg54.0000°,Azm188.0000°; P -8.1229,Plg36.0000°,Azm357.0000° M0 9.07000×10^16
IDC Error ellipse: s-maj=9.2km s-min=7.7km az=9.0.
NEIC Event type se.
JMA Event type fe. NW OFF OKINAWAJIMA IS .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^16Nm; Mrr-1.94 Mθθ-2.44 Mϕϕ4.38 Mrθ-2.73 Mθϕ0.19 Mϕr-1.14 NP1:ϕs39.00000°,δ71.00000°,λ-42.00000°. NP2:ϕs145.00000°,δ51.00000°,λ-155.00000°. M0 4.81000×10^16
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s88,c120; s116,c197;Duration: 1s0 Moment tensor: Scale 10^17Nm; Mrr-0.51±.01 Mθθ-0.26±.01; Mϕϕ0.77±.01; Mrθ-0.32±.01; Mθϕ0.07±.01; Mϕr-0.12±.01; Best double couple: NP1:ϕs33.00000°,δ60.00000°,λ-51.00000°. NP2:ϕs154.00000°,δ48.00000°,λ-137.00000°. Principal axes: T 0.7970,Plg7.0000°

,Azm96.0000°; N -0.0650,Plg33.0000°,Azm190.0000°; P -0.7320,Plg56.0000°
,Azm356.0000° $M_0$0.76500×10^{17}
BGR Event type ke.
ISC III 30 16 29 12.8–1.6 24.87N–.05 126.91E–.04 6–9 4.4b,3.8s 125 1-80
IDC III 30 16 29 12.5–.62 24.90N 126.80E 0 4.0,4.0b **¶610471040**
NEIC III 30 16 29 13.4–2.5 24.79N–.07 126.88E–.07 10–4 4.6b,4.0b
NIED III 30 16 29 15.7 24.92N 126.88E 84 4.2W,4.0b
JMA III 30 16 29 15.7–.16 25N–1.0 127E–1.0 84–3 3.5,4.0b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}1.09 $M_{\theta\theta}$-1.15 $M_{\phi\phi}$0.05 $M_{r\theta}$0.64 $M_{\theta\phi}$-1.38 $M_{\phi r}$0.84 NP1:ϕ_s33.00000°,δ67.00000°,λ60.00000°. NP2:ϕ_s269.00000° ,δ37.00000°,λ139.00000°. $M_0$1.96000×10^{15}
JMA Event type ke. NEAR MIYAKOJIMA ISLAND .
ISC III 31 00 12 13.8–.66 29.73N–.04 129.53E–.06 156–6 4.5b 119 0-137
IDC III 31 00 12 13.8–.76 29.73N 129.30E 156–7 3.9,3.5b **¶610471045**
NIED III 31 00 12 14.9 29.71N 129.69E 155 4.0W,3.5b
NEIC III 31 00 12 14.6–1.4 29.75N–.05 129.5E–.10 156–7 4.5b,3.5b
JMA III 31 00 12 14.9–.19 29.7N–.70 130E–1.0 155–1 4.2,3.5b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.55 $M_{\theta\theta}$-1.04 $M_{\phi\phi}$0.49 $M_{r\theta}$0.62 $M_{\theta\phi}$-0.12 $M_{\phi r}$-0.31 NP1:ϕ_s114.00000°,δ71.00000°,λ124.00000°. NP2:ϕ_s230.00000° ,δ39.00000°,λ32.00000°. $M_0$1.12000×10^{15}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. NEAR TOKARA ISLANDS .
ISC III 31 10 40 44.1–.73 24.87N–.04 126.91E–.04 27–4 4.8b,4.2s 307 1-94
BJI III 31 10 40 38.6–.00 24.74N 126.91E 10 4.7b,4.5b **¶610465777**
IDC III 31 10 40 40.7–.58 25.00N 126.84E 0 4.6b,4.5
NEIC III 31 10 40 42.8–2.0 24.82N–.07 126.89E–.07 15–4 4.9b,4.5
MOS III 31 10 40 43.8–1.1 25.03N 126.89E 32 4.9b,4.0s
JMA III 31 10 40 44.1–.20 25N–1.0 127E–1.0 79 4.7,4.2
NIED III 31 10 40 44.1 24.95N 126.85E 79 4.6W,4.2
ISC Event type ke.
IDC Error ellipse: s-maj=15.3km s-min=12.4km az=105.0.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=8.1km az=148.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=10.2km s-min=5.7km az=102.7.
JMA Event type ke. NEAR MIYAKOJIMA ISLAND .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}3.14 $M_{\theta\theta}$-3.19 $M_{\phi\phi}$0.05 $M_{r\theta}$5.29 $M_{\theta\phi}$-5.17 $M_{\phi r}$6.16 NP1:ϕ_s36.00000°,δ76.00000°,λ73.00000°. NP2:ϕ_s268.00000° ,δ22.00000°,λ140.00000°. $M_0$9.72000×10^{15}
ISC III 31 12 06 49.3–1.6 24.90N–.05 126.90E–.05 13–10 4.2b,3.3s 95 1-80
IDC III 31 12 06 47.8–.64 24.93N 126.83E 0 3.9,3.9b **¶610471054**
NEIC III 31 12 06 49.2–2.6 24.89N–.08 126.88E–.07 10–1 4.4b,3.9b
JMA III 31 12 06 51.6–.19 25N–1.0 127E–1.0 75 3.7,3.9b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. NEAR MIYAKOJIMA ISLAND .
ISC III 31 12 13 36.2–.79 25.00N–.08 126.81E–.07 28 3.5b 26 1-80
IDC III 31 12 13 32.2–.91 24.95N 126.65E 0 3.6,3.6b **¶610544048**
JMA III 31 12 13 36.1–.20 25N–1.0 127E–1.0 79 3.1,3.6b
ISC Event type ke.
JMA Event type ke. NEAR MIYAKOJIMA ISLAND .
ISC IV 09 07 44 41.9–1.2 29.28N–.05 130.41E–.09 34 3.6b 20 1-71
IDC IV 09 07 44 39.3–3.1 29.44N 129.90E 0 3.7b,3.6 **¶610652288**
JMA IV 09 07 44 41.9–.10 29.3N–.50 130.4E–1.0 46–4 3.2,3.6
ISC Event type ke.
JMA Event type ke. NEAR AMAMI-OSHIMA ISLAND.
ISC IV 09 13 57 20.3–1.2 29.19N–.03 129.30E–.05 4–8 3.2b 28 0-75
JMA IV 09 13 57 18.9–.26 29.3N–.60 129E–2.0 10–1 3.1 **¶610652302**
IDC IV 09 13 57 20.8–1.1 29.14N 129.24E 0 3.3,3.3b
ISC Event type ke.
JMA Event type fe. NEAR TOKARA ISLANDS .
IDC Error ellipse: s-maj=41.6km s-min=19.7km az=88.0.
ISC IV 12 13 55 40.4–.33 28.70N–.03 130.26E–.03 30–1 5.2b,4.4s 899 0-153
BJI IV 12 13 55 33.5–.00 28.42N 130.74E 30 4.8b,4.8b **¶611832290**
MOS IV 12 13 55 39.0–1.1 28.74N 130.09E 30 5.4b,4.7s
NIED IV 12 13 55 40.3 28.72N 130.24E 53 4.8W,4.7s
IDC IV 12 13 55 41.0–3.6 28.78N 130.14E 32–26 4.8,4.7b
JMA IV 12 13 55 40.3–.27 28.7N–.90 130E–1.0 53–3 4.9W,4.8
NEIC IV 12 13 55 42.3–1.5 28.72N–.06 130.19E–.08 39–7 5.2b,4.8
NEIC IV 12 13 55 42.5 28.72N 130.20E 36 5.2b,4.8
NEIC IV 12 13 55 42.5 28.72N 130.55E 36 5.2b,4.8
GCMT IV 12 13 55 42.3–.40 28.64N–.03 130.28E–.03 30–0 4.9W,4.8
BGR IV 12 13 55 44.6 29.69N 130.95E 33 5.4b,4.8s
ISC Event type ke. Moment Tensor Solution. NP1:ϕ_s175.53569°,δ22.39392°,λ30.46919°. NP2: ϕ_s56.99155°,δ78.86149°,λ109.55216°. Principal axes: T Plg52.2212°,Azm349.7151° ; N Plg19.1693°,Azm233.0668°; P Plg31.1434°,Azm130.9405°
MOS Error ellipse: s-maj=7.2km s-min=3.8km az=114.7.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}0.87 $M_{\theta\theta}$-0.16 $M_{\phi\phi}$-0.72 $M_{r\theta}$0.53 $M_{\theta\phi}$-0.80 $M_{\phi r}$1.26 NP1:ϕ_s23.00000°,δ71.00000°,λ79.00000°. NP2:ϕ_s235.00000° ,δ21.00000°,λ120.00000°. $M_0$1.75000×10^{16}
IDC Error ellipse: s-maj=12.2km s-min=11.0km az=82.0.
JMA Event type fe. NEAR AMAMI-OSHIMA ISLAND.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=8.0km az=108.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 1s3 Moment tensor: Scale 10^{16}Nm; M_{rr}1.89 $M_{\theta\theta}$-0.63 $M_{\phi\phi}$-1.26 $M_{r\theta}$0.50 $M_{\theta\phi}$-1.57 $M_{\phi r}$0.51 NP1:ϕ_s41.84000°,δ53.98000° ,λ93.30000°. NP2:ϕ_s216.24000°,δ36.15000°,λ85.47000°. Principal axes: T 2.0099,Plg81.0000°,Azm326.0000°; N 0.6489,Plg3.0000°,Azm220.0000° ; P -2.6588,Plg9.0000°,Azm129.0000° $M_0$2.33000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s40,c48; s72,c93;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.40±.15 $M_{\theta\theta}$-0.75±.10; $M_{\phi\phi}$-1.65±.10; $M_{r\theta}$1.13±.15; $M_{\theta\phi}$-0.99±.06; $M_{\phi r}$0.94±.13; Best double couple: NP1:ϕ_s42.00000°,δ61.00000°,λ98.00000°. NP2:ϕ_s205.00000°,δ30.00000°,λ76.00000°. Principal axes: T 2.8480,Plg73.0000° ,Azm332.0000°; N -0.1630,Plg7.0000°,Azm218.0000°; P -2.6840,Plg16.0000° ,Azm126.0000° $M_0$2.76600×10^{16}
BGR Event type ke.
ISC IV 12 21 42 54.0–.75 29.54N–.06 129.85E–.07 10 3.5b,3.5s 31 0-76
NIED IV 12 21 42 53.6 29.57N 129.69E 7 4.2W,3.5s **¶610527205**
JMA IV 12 21 42 53.6–.12 30N–1.0 130E–2.0 7–1 3.4,3.5s
IDC IV 12 21 42 54.0–1.2 29.63N 129.56E 0 3.5,3.5b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-1.06 $M_{\theta\theta}$1.22 $M_{\phi\phi}$-0.15 $M_{r\theta}$-0.57 $M_{\theta\phi}$0.10 $M_{\phi r}$-1.89 NP1:ϕ_s34.00000°,δ78.00000°,λ-111.00000°. NP2:ϕ_s276.00000° ,δ24.00000°,λ-30.00000°. $M_0$2.16000×10^{15}
JMA Event type fe. NEAR TOKARA ISLANDS .
IDC Error ellipse: s-maj=35.9km s-min=20.5km az=92.0.
ISC IV 12 22 47 35.4–1.2 29.55N–.04 129.74E–.07 8–9 3.6s,3.5b 29 0-86
IDC IV 12 22 47 35.2–1.0 29.68N 129.60E 0 3.6,3.6b **¶610652587**
JMA IV 12 22 47 35.1–.07 29.6N–1.0 130E–1.0 9–0 3.2,3.6b
ISC Event type ke.
JMA Event type fe. NEAR TOKARA ISLANDS .
ISC IV 17 07 04 38.1–.65 27.60N–.03 130.34E–.03 20–3 4.7b,4.2s 356 1-158
BJI IV 17 07 04 33.9–.00 27.47N 130.42E 13 4.8b,4.4b **¶610529046**
IDC IV 17 07 04 36.2–.55 27.67N 130.31E 0 4.2b,4.1
NEIC IV 17 07 04 36.8–1.8 27.69N–.05 130.29E–.06 10–1 4.8b,4.1
JMA IV 17 07 04 37.7–.19 27.6N–.70 130.4E–.90 71–3 4.2,4.0
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. NEAR AMAMI-OSHIMA ISLAND.
ISC IV 17 11 19 08.1–1.8 27.61N–.04 130.36E–.05 13–11 3.5b 28 1-76
IDC IV 17 11 19 08.8–1.0 27.24N 128.56E 0 3.5,3.5b **¶610652923**
JMA IV 17 11 19 09.1–.19 27.6N–.80 130.4E–.90 63–4 3.1,3.5b
ISC Event type ke.
JMA Event type ke. NEAR AMAMI-OSHIMA ISLAND.
ISC IV 17 18 57 27.5–.60 27.61N–.03 130.33E–.03 16–3 4.6b,3.9s 506 1-116
BJI IV 17 18 57 24.4–.00 27.42N 130.44E 21 4.7b,4.4b **¶614798402**
IDC IV 17 18 57 25.2–.55 27.70N 130.29E 0 4.2,4.2b
MOS IV 17 18 57 26.1–1.3 27.65N 130.36E 17 4.8b,4.2b
NIED IV 17 18 57 27.7 27.62N 130.36E 65 4.3W,4.2b
JMA IV 17 18 57 27.7–.16 27.6N–.60 130.4E–.70 65–3 4.1,4.1
NEIC IV 17 18 57 28.2–1.7 27.74N–.07 130.26E–.07 16–4 4.9b,4.1
ISC Event type ke.
NIED Moment Tensor Solution. s2 Moment tensor: Scale 10^{15}Nm; M_{rr}-2.64 $M_{\theta\theta}$1.60 $M_{\phi\phi}$1.04 $M_{r\theta}$-0.09 $M_{\theta\phi}$0.80 $M_{\phi r}$2.14 NP1:ϕ_s204.00000°,δ65.00000°,λ-110.00000°. NP2:ϕ_s65.00000° ,δ32.00000°,λ-54.00000°. $M_0$3.10000×10^{15}
JMA Event type fe. NEAR AMAMI-OSHIMA ISLAND.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 17 20 40 59.5–.92 27.54N–.04 130.31E–.05 10 3.4b 22 1-74
IDC IV 17 20 40 60.0–1.7 27.51N 130.25E 0 3.6s,3.5 **¶610652949**
JMA IV 17 20 40 59.8–.25 27.6N–.80 130E–1.0 73–3 2.9,3.5
ISC Event type ke.
JMA Event type ke. NEAR AMAMI-OSHIMA ISLAND.
ISC IV 17 21 53 34.6–1.4 29.30N–.03 130.62E–.05 25–10 3.8b,3.4s 44 1-87
IDC IV 17 21 53 31.2–.71 29.40N 130.45E 0 3.7,3.7b **¶610619272**
JMA IV 17 21 53 36.1–.19 29.4N–.60 130.5E–1.0 37–4 3.8,3.7b
NIED IV 17 21 53 36.1 29.35N 130.51E 37 4.1W,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=22.5km s-min=14.7km az=88.0.
JMA Event type ke. NEAR AMAMI-OSHIMA ISLAND.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.15 $M_{\theta\theta}$0.34 $M_{\phi\phi}$-0.49 $M_{r\theta}$0.39 $M_{\theta\phi}$-0.73 $M_{\phi r}$1.35 NP1:ϕ_s6.00000°,δ83.00000°,λ67.00000°. NP2:ϕ_s260.00000° ,δ24.00000°,λ164.00000°. $M_0$1.56000×10^{15}
ISC IV 19 15 16 02.5–.53 27.31N–.03 129.59E–.03 25–3 4.9b,4.2s 549 1-115
BJI IV 19 15 15 55.2–.00 27.11N 129.85E 5 4.7b,4.6s **¶610537718**
IDC IV 19 15 15 59.5–.53 27.45N 129.50E 0 4.5b,4.4
JMA IV 19 15 16 02.0–.21 27.3N–.60 129.6E–.90 25 4.7W,4.6
GCMT IV 19 15 16 02.4–.50 27.13N–.03 129.73E–.03 30–1 4.8W,4.6
NIED IV 19 15 16 02.0 27.29N 129.61E 25 4.7W,4.6
NEIC IV 19 15 16 03.4–1.4 27.40N–.05 129.46E–.08 27–2 4.9b,4.6
ISC Event type ke. Moment Tensor Solution. NP1:ϕ_s223.74970°,δ87.08376°,λ-102.83148°. NP2: ϕ_s121.15859°,δ13.15328°,λ-12.91910°. Principal axes: T Plg40.7365°,Azm325.7109° ; N Plg12.8146°,Azm224.4136°; P Plg46.4298°,Azm120.5797°
JMA Event type fe. NEAR AMAMI-OSHIMA ISLAND.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s23,c25; s62,c80;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.19±.16 $M_{\theta\theta}$-0.07±.11; $M_{\phi\phi}$-1.12±.10; $M_{r\theta}$1.33±.19; $M_{\theta\phi}$-0.82±.06; $M_{\phi r}$0.61±.14; Best double couple: NP1:ϕ_s55.00000°,δ70.00000°,λ114.00000°. NP2:ϕ_s183.00000°,δ30.00000°,λ42.00000°. Principal axes: T 2.0330,Plg58.0000° ,Azm357.0000°; N 0.0090,Plg22.0000°,Azm226.0000°; P -2.0440,Plg22.0000° ,Azm127.0000° $M_0$2.03800×10^{16}
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}0.97 $M_{\theta\theta}$0.33 $M_{\phi\phi}$-1.30 $M_{r\theta}$0.33 $M_{\theta\phi}$-0.67 $M_{\phi r}$0.07 NP1:ϕ_s44.00000°,δ55.00000°,λ124.00000°. NP2:ϕ_s174.00000° ,δ47.00000°,λ52.00000°. $M_0$1.34000×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA IV 23 01 23 23.6–.21 26.9N–.70 127.5E–.60 69–1 1.1
¶614802438
JMA Event type ke. NEAR OKINAWAJIMA ISLAND .
JMA IV 30 18 35 12.3–.18 27.4N–.40 129.3E–.70 22 1.0
¶614809109
JMA Event type ke. NEAR AMAMI-OSHIMA ISLAND.
JMA V 06 02 42 31.1–.33 29N–1.0 129.9E–.70 11 1.6
¶614814293
JMA Event type ke. NEAR AMAMI-OSHIMA ISLAND.
ISC V 07 07 32 16.5–1.1 26.3N–.10 126.94E–.07 65–8 3.4b 19 0-79
IDC V 07 07 32 12.2–1.3 26.02N 129.43E 0 3.3,3.3b **¶610689703**
JMA V 07 07 32 16.7–.25 26N–1.0 127.0E–.70 61–1 2.9,3.3b
ISC Event type ke.
JMA Event type ke. NEAR OKINAWAJIMA ISLAND .
ISC V 09 01 54 16.0–.40 24.44N–.02 126.31E–.02 18–1 5.8b,5.8s 1872 1-176
IDC V 09 01 54 12.7–.33 24.44N 126.30E 0 5.6s,5.5 **¶610618206**
MOS V 09 01 54 12.8–1.3 24.45N 126.32E 10 6.1b,5.9s
BJI V 09 01 54 13.8–.00 24.47N 126.39E 20 6.2s,6.0
NEIC V 09 01 54 14.6–1.7 24.45N–.06 126.32E–.05 10–1 6.0,6.0
NEIC V 09 01 54 14.7 24.44N 126.29E 10 6.0,6.0
NEIC V 09 01 54 14.7 24.44N 126.29E 16 6.0,6.0
NEIC V 09 01 54 14.7 24.14N 126.40E 16 6.0,6.0
JMA V 09 01 54 15.2–.10 24.4N–.80 126.3E–.60 79–1 6.4,6.1W
NIED V 09 01 54 15.2 24.38N 126.33E 79 6.0W,6.1W
GCMT V 09 01 54 17.5–.10 24.28N 126.28E 19–0 6.0W,6.1W
BGR V 09 01 54 23.4 24.56N 125.16E 33 6.4s,6.0
ISC Event type ke.
IDC Error ellipse: s-maj=10.4km s-min=8.3km az=79.0.
MOS Error ellipse: s-maj=5.5km s-min=3.2km az=113.6.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=7.8km az=338.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}0.35 $M_{\theta\theta}$0.39 $M_{\phi\phi}$-0.74 $M_{r\theta}$-0.06 $M_{\theta\phi}$1.17 $M_{\phi r}$0.07 NP1:ϕ_s193.00000°,δ87.39000°,λ-178.63000°. NP2:ϕ_s102.94000°,δ88.63000° ,λ-2.62000°. Principal axes: T 1.1188,Plg1.0000°,Azm148.0000°; N 0.3581,Plg87.0000° ,Azm255.0000°; P -1.4768,Plg3.0000°,Azm58.0000° $M_0$1.33000×10^{18}
NEIC Event type se.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 4s9 Moment tensor: Scale 10^{18}Nm; M_{rr}0.24 $M_{\theta\theta}$0.43 $M_{\phi\phi}$-0.67 $M_{r\theta}$0.16 $M_{\theta\phi}$1.12 $M_{\phi r}$0.01 NP1:ϕ_s103.47000°,δ85.81000°,λ8.14000°. NP2:ϕ_s12.87000°,δ81.88000°,λ175.77000°. Principal axes: T 1.1512,Plg9.0000° ,Azm328.0000°; N 0.2184,Plg81.0000°,Azm131.0000°; P -1.3695,Plg3.0000°,Azm238.0000° $M_0$1.26000×10^{18}
JMA Event type fe. NEAR MIYAKOJIMA ISLAND .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.06 $M_{\theta\theta}$0.26 $M_{\phi\phi}$-0.20 $M_{r\theta}$-0.32 $M_{\theta\phi}$1.19 $M_{\phi r}$-0.03 NP1:ϕ_s276.00000°,δ88.00000°,λ15.00000°. NP2:ϕ_s185.00000° ,δ75.00000°,λ178.00000°. $M_0$1.25000×10^{18}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s154,c353; s168,c608; Duration: 2s6 Moment tensor: Scale 10^{18}Nm; M_{rr}0.03±.01 $M_{\theta\theta}$0.63±.01; $M_{\phi\phi}$-0.66±.01; $M_{r\theta}$0.22±.02; $M_{\theta\phi}$1.35±.01; $M_{\phi r}$0.10±.02; Best double couple: NP1:ϕ_s103.00000°,δ84.00000° ,λ7.00000°. NP2:ϕ_s12.00000°,δ83.00000°,λ174.00000°. Principal axes: T 1.5230,Plg9.0000° ,Azm328.0000°; N -0.0100,Plg81.0000°,Azm141.0000°; P -1.5120,Plg1.0000° ,Azm238.0000° $M_0$1.51800×10^{18}
BGR Event type ke.
ISC V 09 02 05 17.2–2.1 24.34N–.07 126.28E–.05 11–12 4.0b 55 1-81
IDC V 09 02 05 15.3–.95 24.30N 126.39E 0 3.8,3.8b **¶610667641**
NEIC V 09 02 05 18.2–1.4 24.5N–.10 126.13E–.08 10–1 4.5b,3.8b
JMA V 09 02 05 19.1–.26 24N–2.0 126E–2.0 81–4 3.8,3.8b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. NEAR MIYAKOJIMA ISLAND .
ISC V 09 02 06 21.7–1.3 24.35N–.06 126.31E–.04 19–4 4.6b 114 1-93
IDC V 09 02 06 18.5–.63 24.33N 126.27E 0 4.2,4.2b **¶610689864**
NEIC V 09 02 06 20.9–1.5 24.36N–.07 126.33E–.09 10–1 4.7b,4.2b
JMA V 09 02 06 22.0–.26 24N–1.0 126E–1.0 78 5.0,4.6
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. NEAR MIYAKOJIMA ISLAND .
ISC V 10 01 14 14.8–.63 28.79N–.05 128.16E–.06 186–6 4.0b 97 1-91
IDC V 10 01 14 15.2–1.3 28.89N 128.09E 186–12 3.9,3.4b **¶610689925**
JMA V 10 01 14 15.8–.21 28.8N–.90 128E–2.0 177–3 3.8,3.4b
NEIC V 10 01 14 15.1–1.3 28.79N–.04 128.1E–.10 185–9 4.0b,3.4b
ISC Event type ke.

JMA Event type ke. NW OFF AMAMI-OSHIMA IS .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 10 08 11 47.0–2.5 24.4N–.20 126.3E–.20 61–34 3.5b 21 1-81
IDC V 10 08 11 42.4–1.0 24.32N 126.35E 0 3.7,3.6b **¶610667653**
JMA V 10 08 11 45.7–.14 24N–1.0 126.3E–.80 74–2 3.8,3.6b
NIED V 10 08 11 45.7 24.39N 126.30E 74 3.9W,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=34.1km s-min=20.7km az=88.0.
JMA Event type ke. NEAR MIYAKOJIMA ISLAND .
NIED Moment Tensor Solution. s2 Moment tensor: Scale 10^{14}Nm; M_{rr}-0.62 $M_{\theta\theta}$-0.30 $M_{\phi\phi}$0.92 $M_{r\theta}$-4.04 $M_{\theta\phi}$7.56 $M_{\phi r}$1.87 NP1:ϕ_s86.00000°,δ79.00000°,λ-26.00000°. NP2:ϕ_s181.00000°,δ64.00000°,λ-168.00000°. $M_0$8.75000×10^{14}
ISC V 10 10 42 36.3–.89 24.25N–.05 126.30E–.05 24–5 4.2b,3.7s 135 1-83
IDC V 10 10 42 33.6–.73 24.33N 126.26E 0 4.0,3.9b **¶610619355**
NEIC V 10 10 42 33.6–1.6 24.27N–.06 126.34E–.06 10–1 4.5b,3.9b
NIED V 10 10 42 37.0 24.44N 126.25E 81 4.2W,3.9b
JMA V 10 10 42 37.0–.18 24N–1.0 126E–1.0 81–2 4.5,4.3
BJI V 10 10 42 37.0–.00 24.62N 125.94E 10 4.5b,4.3b
ISC Event type ke.
IDC Error ellipse: s-maj=18.8km s-min=14.9km az=105.0.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=9.4km az=1.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.03 $M_{\theta\theta}$0.44 $M_{\phi\phi}$-0.46 $M_{r\theta}$-0.59 $M_{\theta\phi}$2.17 $M_{\phi r}$-0.81 NP1:ϕ_s184.00000°,δ80.00000°,λ160.00000°. NP2:ϕ_s278.00000°,δ70.00000°,λ10.00000°. $M_0$2.42000×10^{15}
JMA Event type fe. NEAR MIYAKOJIMA ISLAND .
ISC V 11 01 53 20.6–2.2 24.4N–.20 126.3E–.10 75–31 23 1-81
IDC V 11 01 53 20.1–3.3 24.16N 127.35E 0 3.8b,3.7 **¶610690012**
JMA V 11 01 53 20.2–.14 24N–1.0 126.3E–.80 71–2 3.6,3.7
ISC Event type ke.
JMA Event type ke. NEAR MIYAKOJIMA ISLAND .
ISC V 13 12 14 54.5–1.0 24.29N–.08 126.32E–.05 22–7 3.8b 41 1-81
IDC V 13 12 14 51.9–.86 24.40N 126.24E 0 3.8,3.8b **¶610667675**
NIED V 13 12 14 54.6 24.29N 126.29E 68 4.0W,3.8b
JMA V 13 12 14 54.6–.17 24N–1.0 126.3E–.90 68–3 3.7,3.8b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.12 $M_{\theta\theta}$-0.13 $M_{\phi\phi}$0.25 $M_{r\theta}$1.02 $M_{\theta\phi}$-0.24 $M_{\phi r}$0.47 NP1:ϕ_s66.00000°,δ88.00000°,λ91.00000°. NP2:ϕ_s218.00000°,δ2.00000°,λ62.00000°. $M_0$1.12000×10^{15}
JMA Event type ke. NEAR MIYAKOJIMA ISLAND .
ISC V 14 04 46 41.5–1.4 24.27N–.10 126.32E–.06 35 3.7b,3.0s 39 1-86
IDC V 14 04 46 38.7–.83 24.31N 126.13E 0 3.7,3.7b **¶610667678**
JMA V 14 04 46 41.0–.14 24N–1.0 126.3E–.80 73–2 3.9,3.7b
NIED V 14 04 46 41.0 24.36N 126.29E 73 4.2W,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=25.5km s-min=18.8km az=86.0.
JMA Event type ke. NEAR MIYAKOJIMA ISLAND .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.01 $M_{\theta\theta}$-0.29 $M_{\phi\phi}$0.30 $M_{r\theta}$-0.76 $M_{\theta\phi}$2.08 $M_{\phi r}$0.02 NP1:ϕ_s86.00000°,δ88.00000°,λ-20.00000°. NP2:ϕ_s176.00000°,δ70.00000°,λ-178.00000°. $M_0$2.23000×10^{15}
ISC V 15 07 03 31.0–.87 27.26N–.03 130.09E–.03 14–5 4.5b 203 1-91
IDC V 15 07 03 29.1–.53 27.28N 130.06E 0 4.3L,4.2 **¶610690322**
NEIC V 15 07 03 30.9–1.6 27.27N–.06 130.05E–.05 10–1 4.6b,4.2
JMA V 15 07 03 31.4–.14 27.3N–.40 130.1E–.50 66–4 4.2,3.9
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. NEAR AMAMI-OSHIMA ISLAND.
ISC V 15 07 05 37.5–.38 27.26N–.02 130.11E–.02 23–2 5.6b,5.0s 1686 1-173
BJI V 15 07 05 33.2–.00 27.25N 130.18E 16 5.5s,5.4 **¶611833895**
IDC V 15 07 05 34.5–.27 27.30N 130.08E 0 5.2,5.2b
MOS V 15 07 05 35.6–1.1 27.32N 130.04E 19 5.8b,5.3s
NEIC V 15 07 05 36.1 27.21N 130.14E 18 5.8b,5.3s
NEIC V 15 07 05 36.1–1.9 27.23N–.05 130.04E–.07 10–1 5.6b,5.5
NEIC V 15 07 05 36.1 27.21N 130.14E 10 5.6b,5.5
NEIC V 15 07 05 36.1 27.11N 130.14E 18 5.6b,5.5
JMA V 15 07 05 37.1–.12 27.3N–.50 130.1E–.50 64–4 5.5W,5.4
NIED V 15 07 05 37.1 27.26N 130.08E 64 5.4W,5.4
GCMT V 15 07 05 39.1–.10 27.25N–.01 130.06E–.01 12 5.5W,5.4
BGR V 15 07 05 39.8 27.22N 130.01E 33 6.2,6.0b
ISC Event type ke.
IDC Error ellipse: s-maj=10.4km s-min=7.1km az=66.0.
MOS Error ellipse: s-maj=5.8km s-min=3.4km az=110.1.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=8.4km az=287.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.83 $M_{\theta\theta}$0.14 $M_{\phi\phi}$0.69 $M_{r\theta}$1.18 $M_{\theta\phi}$0.75 $M_{\phi r}$0.23 NP1:ϕ_s5.84000°,δ32.48000°,λ-145.90000°. NP2:ϕ_s246.11000°,δ72.48000°,λ-62.20000°. Principal axes: T 1.5739,Plg23.0000°,Azm315.0000°; N 0.0670,Plg26.0000°,Azm57.0000°; P -1.6408,Plg54.0000°,Azm190.0000° $M_0$1.61000×10^{17}
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2s7 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.52 $M_{\theta\theta}$0.44 $M_{\phi\phi}$1.07 $M_{r\theta}$0.24 $M_{r\phi}$1.36 $M_{\theta\phi}$-0.54 NP1:ϕ_s16.37000°,δ54.02000°,λ-120.77000°. NP2:ϕ_s241.75000°,δ45.95000°,λ-54.83000°. Principal axes: T 2.1712,Plg4.0000°,Azm128.0000°; N -0.3951,Plg24.0000°,Azm36.0000°; P -1.7761,Plg65.0000°,Azm227.0000° $M_0$1.97000×10^{17}
JMA Event type fe. NEAR AMAMI-OSHIMA ISLAND.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.06 $M_{\theta\theta}$0.41 $M_{\phi\phi}$0.65 $M_{r\theta}$1.17 $M_{\theta\phi}$0.78 $M_{\phi r}$-0.32 NP1:ϕ_s254.00000°,δ67.00000°,λ-57.00000°. NP2:ϕ_s15.00000°,δ40.00000°,λ-142.00000°. $M_0$1.68000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s108,c188; s136,c266;Duration: 1s4 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.43±.03 $M_{\theta\theta}$0.21±.03; $M_{\phi\phi}$1.16±.03; $M_{r\theta}$1.35±.08; $M_{r\phi}$1.39±.03; $M_{\theta\phi}$0.68±.08; Best double couple: NP1:ϕ_s238.00000°,δ67.00000°,λ-66.00000°. NP2:ϕ_s9.00000°,δ33.00000°,λ-134.00000°. Principal axes: T 2.6360,Plg19.0000°,Azm310.0000°; N -0.4600,Plg22.0000°,Azm48.0000°; P -2.1780,Plg60.0000°,Azm183.0000° $M_0$2.40700×10^{17}
BGR Event type ke.
JMA V 17 11 41 32.0–.19 28N–1.0 130.3E–.90 49–2 2.3
¶614824102
JMA Event type ke. NEAR AMAMI-OSHIMA ISLAND.
ISC V 20 10 57 00.5–.79 25.22N–.08 126.82E–.07 28 3.8b,3.4s 30 1-80
IDC V 20 10 56 56.0–.87 25.13N 126.69E 0 3.9b,3.8 **¶610685023**
JMA V 20 10 57 00.9–.28 25N–2.0 127E–2.0 71 3.4,3.8
ISC Event type ke.
JMA Event type ke. NEAR OKINAWAJIMA ISLAND .
ISC V 22 17 57 25.0–1.7 25.01N–.06 127.15E–.04 19–6 3.9b 30 1-49
IDC V 22 17 57 23.4–1.3 25.08N 126.73E 0 3.9,3.9b **¶610685171**
JMA V 22 17 57 26.6–.18 25N–1.0 127.0E–.90 81–4 3.3,3.9b
ISC Event type ke.
JMA Event type ke. NEAR OKINAWAJIMA ISLAND .
ISC V 22 18 58 33.2–2.5 24.30N–.07 126.48E–.05 16–15 3.7b,3.2s 59 1-81
JMA V 22 18 58 34.4–.22 24N–2.0 126E–1.0 81–3 3.6,3.2s **¶610667714**
NIED V 22 18 58 34.4 24.36N 126.39E 81 4.1W,3.2s
IDC V 22 18 58 38.4–2.9 24.45N 126.58E 51–28 3.7,3.4b
ISC Event type ke.
JMA Event type ke. NEAR MIYAKOJIMA ISLAND .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.04 $M_{\theta\theta}$-0.11 $M_{\phi\phi}$0.07 $M_{r\theta}$1.31 $M_{\theta\phi}$-0.67 $M_{\phi r}$0.66 NP1:ϕ_s70.00000°,δ85.00000°,λ107.00000°. NP2:ϕ_s176.00000°,δ17.00000°,λ16.00000°. $M_0$1.54000×10^{15}
IDC Error ellipse: s-maj=22.2km s-min=14.8km az=77.0.
ISC V 22 19 56 17.1–.84 25.11N–.07 126.98E–.07 28 3.7b 33 1-80
IDC V 22 19 56 13.3–.88 25.08N 126.87E 0 3.8,3.8b **¶610685174**
JMA V 22 19 56 16.8–.18 25N–1.0 127.1E–1.0 72 3.4,3.8b
ISC Event type ke.
JMA Event type ke. NEAR OKINAWAJIMA ISLAND .
ISC V 23 02 42 20.6–.85 25.04N–.06 127.07E–.07 28 3.9b 27 1-80
IDC V 23 02 42 17.5–1.0 25.09N 126.91E 0 3.8,3.8b **¶610667718**
JMA V 23 02 42 21.2–.21 25N–1.0 127E–1.0 65 3.5,3.8b
NIED V 23 02 42 21.2 25.08N 127.03E 65 3.7W,3.8b
ISC Event type ke.
IDC Error ellipse: s-maj=36.8km s-min=20.1km az=89.0.
JMA Event type ke. NEAR OKINAWAJIMA ISLAND .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-3.48 $M_{\theta\theta}$-0.38 $M_{\phi\phi}$3.86 $M_{r\theta}$-0.22 $M_{\theta\phi}$-1.05 $M_{\phi r}$-0.40 NP1:ϕ_s353.00000°,δ48.00000°,λ-82.00000°. NP2:ϕ_s161.00000°,δ43.00000°,λ-99.00000°. $M_0$3.82000×10^{14}
ISC V 23 05 35 05.3–.91 25.08N–.07 127.11E–.05 28 3.9b 23 1-80
IDC V 23 05 35 02.9–1.3 25.03N 126.79E 0 3.8,3.8b **¶610685199**
JMA V 23 05 35 06.0–.23 25N–1.0 127E–1.0 83 3.2,3.8b
ISC Event type ke.
JMA Event type ke. NEAR OKINAWAJIMA ISLAND .
ISC V 30 06 20 14.9–.45 24.35N–.04 126.29E–.03 15–2 5.0b,4.5s 572 1-96
IDC V 30 06 20 12.8–.55 24.40N 126.23E 0 4.6L,4.4 **¶610655728**
MOS V 30 06 20 12.9–1.1 24.40N 126.24E 11 5.1b,4.6s
BJI V 30 06 20 13.6–.00 24.41N 126.19E 14 4.9b,4.9s
NEIC V 30 06 20 14.5–2.1 24.40N–.07 126.24E–.07 10–1 5.0b,4.9s
JMA V 30 06 20 15.7–.17 24N–1.0 126.2E–1.0 71–3 5.3,5.1W
NIED V 30 06 20 15.7 24.38N 126.23E 71 5.1W,5.1W
GCMT V 30 06 20 16.5–.20 24.30N–.01 126.25E–.01 16–0 5.1W,5.1W
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. NEAR MIYAKOJIMA ISLAND .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.46 $M_{\theta\theta}$0.43 $M_{\phi\phi}$0.03 $M_{r\theta}$-1.28 $M_{\theta\phi}$4.85 $M_{\phi r}$0.28 NP1:ϕ_s90.00000°,δ86.00000°,λ-15.00000°. NP2:ϕ_s182.00000°,δ75.00000°,λ-175.00000°. $M_0$5.04000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s81,c107; s124,c206;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.37±.11 $M_{\theta\theta}$1.10±.10; $M_{\phi\phi}$-0.72±.10; $M_{r\theta}$1.44±.28; $M_{r\phi}$5.57±.10; $M_{\theta\phi}$1.27±.28; Best double couple: NP1:ϕ_s4.00000°,δ79.00000°,λ168.00000°. NP2:ϕ_s96.00000°,δ79.00000°,λ11.00000°. Principal axes: T 6.3760,Plg16.0000°,Azm320.0000°; N -0.9190,Plg74.0000°,Azm141.0000°; P -5.4590,Plg0.0000°,Azm50.0000° $M_0$5.91800×10^{16}
ISC V 30 06 47 40.0–1.8 24.4N–.10 126.27E–.07 21–11 26 1-5
NIED V 30 06 47 40.5 24.40N 126.22E 78 3.8W **¶610667750**
JMA V 30 06 47 40.5–.14 24N–1.0 126.2E–.80 78–2 3.5
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}1.14 $M_{\theta\theta}$1.21 $M_{\phi\phi}$-2.36 $M_{r\theta}$-1.33 $M_{\theta\phi}$4.66 $M_{\phi r}$-0.08 NP1:ϕ_s282.00000°,δ82.00000°,λ17.00000°. NP2:ϕ_s190.00000°,δ73.00000°,λ172.00000°. $M_0$5.20000×10^{14}
JMA Event type ke. NEAR MIYAKOJIMA ISLAND .
ISC V 30 07 01 08.3–1.7 24.33N–.07 126.24E–.05 19–5 3.5b 32 1-81
IDC V 30 07 01 05.3–1.2 24.35N 125.95E 0 3.5,3.5b **¶610685699**
JMA V 30 07 01 08.7–.18 24N–1.0 126E–1.0 75–3 3.5,3.5b
ISC Event type ke.
JMA Event type ke. NEAR MIYAKOJIMA ISLAND .
ISC V 30 07 12 07.3–1.1 24.31N–.08 126.29E–.05 24 3.4b 27 1-48
IDC V 30 07 12 04.4–1.4 24.24N 126.60E 0 3.5,3.5L **¶610667751**
JMA V 30 07 12 07.5–.15 24N–1.0 126.2E–.90 75–2 3.6,3.5L
NIED V 30 07 12 07.5 24.39N 126.25E 75 4.1W,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=48.3km s-min=25.9km az=81.0.
JMA Event type ke. NEAR MIYAKOJIMA ISLAND .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.15 $M_{\theta\theta}$-0.40 $M_{\phi\phi}$0.55 $M_{r\theta}$-0.32 $M_{\theta\phi}$1.39 $M_{\phi r}$0.24 NP1:ϕ_s172.00000°,δ79.00000°,λ-168.00000°. NP2:ϕ_s79.00000°,δ78.00000°,λ-12.00000°. $M_0$1.53000×10^{15}
ISC V 30 12 27 47.2–2.3 24.3N–.10 126.27E–.06 30–15 34 1-5
JMA V 30 12 27 47.0–.14 24N–1.0 126.3E–.80 69–2 3.5 **¶612489889**
ISC Event type ke.
JMA Event type ke. NEAR MIYAKOJIMA ISLAND .
ISC VI 02 08 35 12.1–1.6 26.28N–.05 128.65E–.04 10–9 4.3b,3.5s 88 1-94
IDC VI 02 08 35 11.4–.76 26.29N 128.25E 0 4.0,4.0b **¶610659611**
NEIC VI 02 08 35 12.8–1.4 26.25N–.03 128.60E–.07 11–5 4.4b,4.0b
NIED VI 02 08 35 15.2 26.39N 128.63E 24 4.1W,4.0b
JMA VI 02 08 35 15.2–.21 26.4N–.60 128.6E–.80 24–2 4.0,4.0
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.96 $M_{\theta\theta}$-0.48 $M_{\phi\phi}$-0.47 $M_{r\theta}$1.07 $M_{\theta\phi}$-0.78 $M_{\phi r}$0.92 NP1:ϕ_s49.00000°,δ71.00000°,λ93.00000°. NP2:ϕ_s219.00000°,δ19.00000°,λ81.00000°. $M_0$1.80000×10^{15}
JMA Event type fe. NEAR OKINAWAJIMA ISLAND .
ISC VI 02 17 26 32.6–.25 24.35N–.03 126.22E–.03 39–2 5.0b,4.5s 826 1-180
IDC VI 02 17 26 27.9–.48 24.42N 126.17E 0 4.6,4.6b **¶611834032**
NEIC VI 02 17 26 28.4–2.0 24.37N–.06 126.23E–.06 10–1 5.1b,4.6b
BJI VI 02 17 26 28.5–.00 24.36N 126.28E 22 5.0b,5.0s
NIED VI 02 17 26 29.3 24.25N 126.27E 68 5.1W,5.0s
JMA VI 02 17 26 29.3–.21 24N–2.0 126E–1.0 68–4 5.3,5.1W
MOS VI 02 17 26 30.9–1.3 24.39N 126.21E 34 5.2b,4.6s
GCMT VI 02 17 26 31.4–.10 24.31N–.01 126.23E–.01 15–0 5.2W,4.6s
BGR VI 02 17 26 38.4 24.61N 125.55E 36–4 5.0s,5.0b
ISC Event type ke.
IDC Error ellipse: s-maj=13.5km s-min=11.1km az=84.0.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=8.2km az=149.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.17 $M_{\theta\theta}$-0.27 $M_{\phi\phi}$0.44 $M_{r\theta}$-0.91 $M_{\theta\phi}$5.32 $M_{\phi r}$0.08 NP1:ϕ_s88.00000°,δ88.00000°,λ-10.00000°. NP2:ϕ_s178.00000°,δ80.00000°,λ-178.00000°. $M_0$5.41000×10^{16}
JMA Event type fe. NEAR MIYAKOJIMA ISLAND .
MOS Error ellipse: s-maj=6.6km s-min=4.0km az=113.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s87,c122; s133,c225;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.22±.10 $M_{\theta\theta}$0.41±.09; $M_{\phi\phi}$-0.18±.10; $M_{r\theta}$3.04±.36; $M_{r\phi}$5.73±.09; $M_{\theta\phi}$2.00±.32; Best double couple: NP1:ϕ_s93.00000°,δ79.00000°,λ24.00000°. NP2:ϕ_s358.00000°,δ66.00000°,λ168.00000°. Principal axes: T 7.5140,Plg25.0000°,Azm318.0000°; N -1.7930,Plg64.0000°,Azm117.0000°; P -5.7210,Plg8.0000°,Azm224.0000° $M_0$6.61700×10^{16}
BGR Event type ke.
JMA VI 02 18 10 06.4–.22 29N–1.0 130E–1.0 37–3 2.3
¶614838750
JMA Event type ke. NEAR AMAMI-OSHIMA ISLAND.
ISC VI 02 18 10 10.2–3.4 24.3N–.20 126.2E–.20 56–23 3.4b 18 1-45
IDC VI 02 18 10 06.9–1.6 25.26N 126.66E 0 3.4,3.4b **¶610791115**
JMA VI 02 18 10 09.8–.37 24N–2.0 126E–1.0 69 3.3,3.4b
ISC Event type ke.
JMA Event type ke. NEAR MIYAKOJIMA ISLAND .
ISC VI 04 21 47 16.5–1.7 24.20N–.07 126.34E–.04 14–10 3.5b 46 1-77
IDC VI 04 21 47 16.0–1.1 24.31N 126.12E 0 3.6,3.6b **¶610791256**
JMA VI 04 21 47 20.6–.25 24N–1.0 126.3E–.80 61 3.4,3.6b
ISC Event type ke.
JMA Event type ke. NEAR MIYAKOJIMA ISLAND .
ISC VI 07 05 01 38.7–2.0 27.59N–.03 130.40E–.04 21–15 4.0b 40 1-76
IDC VI 07 05 01 35.8–1.1 27.68N 130.41E 0 3.9,3.9b **¶610764471**
JMA VI 07 05 01 38.1–.17 27.6N–.60 130.4E–.80 74–3 3.8,3.9b
NIED VI 07 05 01 38.1 27.60N 130.39E 74 3.9W,3.9b
ISC Event type ke.
IDC Error ellipse: s-maj=48.7km s-min=18.4km az=73.0.
JMA Event type ke. NEAR AMAMI-OSHIMA ISLAND.
NIED Moment Tensor Solution. s2 Moment tensor: Scale 10^{14}Nm; M_{rr}-5.87 $M_{\theta\theta}$2.45 $M_{\phi\phi}$3.42 $M_{r\theta}$6.53 $M_{\theta\phi}$2.89 $M_{\phi r}$0.06 NP1:ϕ_s251.00000°,δ70.00000°,λ-69.00000°. NP2:ϕ_s23.00000°,δ29.00000°,λ-134.00000°. $M_0$8.61000×10^{14}
ISC VI 07 14 58 42.8–2.9 24.26N–.10 126.34E–.06 25–21 3.6b 41 1-59
IDC VI 07 14 58 39.3–1.6 24.22N 126.17E 0 3.8,3.6b **¶610764472**
JMA VI 07 14 58 43.6–.17 24N–1.0 126.3E–.90 73–3 4.2,3.5
NIED VI 07 14 58 43.6 24.33N 126.29E 73 4.0W,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=41.3km s-min=28.7km az=89.0.
JMA Event type ke. NEAR MIYAKOJIMA ISLAND .

NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.40 $M_{\theta\theta}$0.87 $M_{\phi\phi}$-0.48 $M_{r\theta}$-0.15 $M_{\theta\phi}$0.79 $M_{\phi r}$0.13 NP1:ϕ_s108.00000°,δ78.00000°,λ-16.00000°. NP2:ϕ_s202.00000°,δ74.00000°,λ-168.00000°. $M_0$1.07000$\times10^{15}$
ISC VI 07 15 44 04.1–.97 24.34N–.10 126.27E–.06 39–4 3.8b,3.3s 64 1-81
IDC VI 07 15 44 00.4–.81 24.43N 126.18E 0 3.8,3.8b **¶610764473**
NEIC VI 07 15 44 00.5–1.4 24.27N–.10 126.31E–.08 10–1 4.4b,3.8b
NIED VI 07 15 44 04.6 24.47N 126.18E 79 4.1W,3.8b
JMA VI 07 15 44 04.6–.27 24N–2.0 126E–2.0 79–3 4.3,3.8
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.29 $M_{\theta\theta}$0.92 $M_{\phi\phi}$-0.64 $M_{r\theta}$-0.66 $M_{\theta\phi}$1.53 $M_{\phi r}$-0.00 NP1:ϕ_s103.00000°,δ89.00000°,λ-21.00000°. NP2:ϕ_s193.00000°,δ69.00000°,λ-179.00000°. $M_0$1.83000$\times10^{15}$
JMA Event type ke. NEAR MIYAKOJIMA ISLAND .
ISC VI 08 22 16 28.8–.88 29.26N–.04 130.61E–.07 34 3.8b,3.5s 26 1-75
JMA VI 08 22 16 29.4–.13 29.3N–.50 130.6E–.80 58 3.2,3.5s **¶610791485**
IDC VI 08 22 16 30.7–4.0 29.41N 130.40E 36–34 3.7,3.6b
ISC Event type ke.
JMA Event type ke. NEAR AMAMI-OSHIMA ISLAND.
IDC Error ellipse: s-maj=47.6km s-min=21.3km az=89.0.
ISC VI 11 02 15 59.8–.79 26.66N–.05 127.77E–.05 50–7 3.9b 30 0-76
IDC VI 11 02 15 59.4–1.6 26.72N 127.88E 45–19 3.9,3.6b **¶610791633**
JMA VI 11 02 16 00.1–.18 26.7N–.50 127.8E–.50 47–2 3.3,3.6b
ISC Event type ke.
JMA Event type fe. NEAR OKINAWAJIMA ISLAND .
JMA VI 11 22 40 41.0–.46 27N–1.0 127E–1.0 10 1.4
¶614847078
JMA Event type ke. NEAR OKINAWAJIMA ISLAND .
ISC VI 17 22 21 43.3–1.5 29.07N–.04 130.41E–.07 10–10 3.2b 25 1-71
JMA VI 17 22 21 46.3–.14 29.1N–.30 130.4E–.90 66–3 2.9 **¶610792085**
IDC VI 17 22 21 47.5–3.3 29.09N 130.26E 39–30 3.4,3.2b
ISC Event type ke.
JMA Event type ke. NEAR AMAMI-OSHIMA ISLAND.
IDC Error ellipse: s-maj=40.4km s-min=18.1km az=89.0.
ISC VI 17 22 23 56.9–.93 29.04N–.06 130.40E–.08 40–7 4.0b 30 1-77
JMA VI 17 22 23 56.6–.09 29.1N–.20 130.4E–.70 53–3 3.5 **¶610764489**
NIED VI 17 22 23 56.6 29.09N 130.35E 53 4.3W
IDC VI 17 22 23 57.9–2.4 29.03N 130.37E 49–19 3.9,3.7b
ISC Event type ke.
JMA Event type ke. NEAR AMAMI-OSHIMA ISLAND.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.49 $M_{\theta\theta}$0.37 $M_{\phi\phi}$0.12 $M_{r\theta}$1.64 $M_{\theta\phi}$-0.03 $M_{\phi r}$2.77 NP1:ϕ_s211.00000°,δ87.00000°,λ-92.00000°. NP2:ϕ_s62.00000°,δ3.00000°,λ-59.00000°. $M_0$3.23000$\times10^{15}$
IDC Error ellipse: s-maj=31.3km s-min=13.7km az=101.0.
ISC VI 19 20 32 26.0–.59 26.70N–.03 129.61E–.03 18–3 4.7b,3.8s 332 1-92
IDC VI 19 20 32 21.9–.48 26.70N 129.56E 0 4.1b,4.1L **¶610681849**
BJI VI 19 20 32 22.2–.00 26.53N 129.69E 10 4.6b,4.3b
NEIC VI 19 20 32 26.0–1.3 26.72N–.06 129.62E–.04 10–1 4.8b,4.3b
NIED VI 19 20 32 26.8 26.68N 129.57E 45 4.6W,4.3b
JMA VI 19 20 32 26.8–.12 26.7N–.60 129.6E–.50 45 4.7W,4.4
GCMT VI 19 20 32 28.0–.40 26.64N–.03 129.56E–.04 20–1 4.8W,4.4
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-8.46 $M_{\theta\theta}$3.88 $M_{\phi\phi}$4.57 $M_{r\theta}$-0.13 $M_{\theta\phi}$6.37 $M_{\phi r}$-2.64 NP1:ϕ_s30.00000°,δ52.00000°,λ-107.00000°. NP2:ϕ_s238.00000°,δ41.00000°,λ-69.00000°. $M_0$9.96000$\times10^{15}$
JMA Event type ke. NEAR OKINAWAJIMA ISLAND .
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s19,c21; s70,c94;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.35±.21 $M_{\theta\theta}$1.15±.12; $M_{\phi\phi}$1.20±.13; $M_{r\theta}$-0.40±.21; $M_{\theta\phi}$0.92±.06; $M_{\phi r}$-0.28±.23; Best double couple: NP1:ϕ_s46.00000°,δ51.00000°,λ-88.00000°. NP2:ϕ_s222.00000°,δ39.00000°,λ-93.00000°. Principal axes: T 2.1480,Plg6.0000°,Azm135.0000°; N 0.2570,Plg2.0000°,Azm225.0000°; P -2.4050,Plg84.0000°,Azm332.0000° $M_0$2.27700$\times10^{16}$
ISC VI 21 19 49 10.1–.70 27.63N–.04 128.51E–.05 76–6 4.3b 97 0-78
IDC VI 21 19 49 10.2–.68 27.64N 128.08E 71–9 3.8,3.4b **¶610764495**
NIED VI 21 19 49 10.8 27.71N 128.43E 67 3.9W,3.4b
NEIC VI 21 19 49 10.7–1.8 27.73N–.06 128.4E–.10 72–9 4.4b,3.4b
JMA VI 21 19 49 10.8–.10 27.7N–.70 128E–1.0 67–1 4.0,3.8
ISC Event type ke.
NIED Moment Tensor Solution. s2 Moment tensor: Scale 10^{14}Nm; M_{rr}1.36 $M_{\theta\theta}$-0.01 $M_{\phi\phi}$-1.35 $M_{r\theta}$7.09 $M_{\theta\phi}$-4.49 $M_{\phi r}$-1.31 NP1:ϕ_s87.00000°,δ85.00000°,λ123.00000°. NP2:ϕ_s185.00000°,δ34.00000°,λ9.00000°. $M_0$8.47000$\times10^{14}$
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. NEAR OKINAWAJIMA ISLAND .
ISC VI 28 00 37 56.3–1.7 28.70N–.04 128.56E–.07 7–11 4.2b,2.9s 42 1-77
JMA VI 28 00 37 55.0–.30 28.7N–.30 128.5E–.80 7–3 3.4,2.9s **¶610789606**
NEIC VI 28 00 37 58.3–1.2 28.64N–.04 128.58E–.09 19–5 4.4b,2.9s
IDC VI 28 00 38 02.8–4.0 28.77N 128.55E 58–42 3.6,3.3b
ISC Event type ke.
JMA Event type ke. NEAR TOKARA ISLANDS .
NEIC Event type se. Error ellipse: s-maj=11.6km s-min=6.2km az=90.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=42.9km s-min=19.7km az=67.0.
ISC VI 28 03 16 11.1–.95 28.74N–.05 128.70E–.08 35 3.2b 17 1-49
IDC VI 28 03 16 07.8–1.4 28.59N 128.33E 0 3.5,3.4b **¶610789613**
JMA VI 28 03 16 08.5–.28 28.7N–.30 129E–1.0 18–4 3.0,3.4b
ISC Event type ke.
JMA Event type ke. NEAR TOKARA ISLANDS .
ISC VI 28 06 14 55.3–.96 28.59N–.03 128.85E–.04 31–7 4.1b,3.6s 73 0-91
IDC VI 28 06 14 50.5–.71 28.77N 128.69E 0 4.0,4.0b **¶610764504**
JMA VI 28 06 14 51.1–.28 28.8N–.30 128.5E–.80 6–2 3.9,4.0b
NIED VI 28 06 14 51.1 28.75N 128.49E 6 4.4W,4.0b
NEIC VI 28 06 14 56.6–1.3 28.49N–.05 129.0E–.10 69–7 4.2b,4.0b
ISC Event type ke.
JMA Event type ke. NEAR TOKARA ISLANDS .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-4.20 $M_{\theta\theta}$3.84 $M_{\phi\phi}$0.36 $M_{r\theta}$-0.70 $M_{\theta\phi}$1.29 $M_{\phi r}$-1.02 NP1:ϕ_s62.00000°,δ52.00000°,λ-102.00000°. NP2:ϕ_s261.00000°,δ39.00000°,λ-75.00000°. $M_0$4.41000$\times10^{15}$
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 28 09 19 16.6–1.7 28.70N–.04 128.61E–.07 9–12 3.5b,2.8s 22 1-49
IDC VI 28 09 19 13.8–2.5 28.88N 129.26E 0 3.6L,3.5 **¶610789629**
JMA VI 28 09 19 15.6–.21 28.7N–.30 128.5E–.80 11–2 3.1,3.5
ISC Event type ke.
JMA Event type ke. NEAR TOKARA ISLANDS .
ISC VI 28 10 52 01.1–.81 28.69N–.04 128.62E–.07 10 3.3b 18 1-71
IDC VI 28 10 52 00.1–1.7 28.55N 128.25E 0 3.4,3.4b **¶610789637**
JMA VI 28 10 52 00.1–.26 28.7N–.30 128.6E–1.0 13–3 3.1,3.4b
ISC Event type ke.
JMA Event type ke. NEAR TOKARA ISLANDS .
ISC VI 28 15 44 17.2–1.2 28.64N–.04 128.67E–.06 13–9 3.8b,3.4s 52 1-74
JMA VI 28 15 44 16.8–.27 28.8N–.30 129E–1.0 15–3 3.3,3.4s **¶610789648**
IDC VI 28 15 44 17.1–1.2 28.59N 128.29E 0 3.6,3.6b
NEIC VI 28 15 44 21.2–1.4 28.59N–.05 128.65E–.10 47–11 4.0b,3.6b
ISC Event type ke.
JMA Event type ke. NEAR TOKARA ISLANDS .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 28 16 01 09.1–.87 28.68N–.04 128.65E–.07 10 18 1-52
JMA VI 28 16 01 06.9–.30 28.7N–.40 129E–1.0 10–3 2.9 **¶610789652**
IDC VI 28 16 01 08.8–1.6 28.55N 128.56E 0 3.2,3.1b
ISC Event type ke.
JMA Event type ke. NEAR TOKARA ISLANDS .
IDC Error ellipse: s-maj=53.5km s-min=19.0km az=91.0.
ISC VI 28 20 15 48.4–1.5 28.69N–.04 128.53E–.05 5–10 4.3b 67 1-76
IDC VI 28 20 15 48.7–.82 28.70N 128.66E 0 3.8,3.8b **¶610764506**
JMA VI 28 20 15 48.6–.27 28.8N–.30 128.5E–.80 6–3 3.5,3.8b
NIED VI 28 20 15 48.6 28.76N 128.52E 6 4.3W,3.8b
NEIC VI 28 20 15 49.1–1.5 28.63N–.05 128.49E–.05 10–1 4.4b,3.8b
ISC Event type ke.
JMA Event type ke. NEAR TOKARA ISLANDS .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-2.34 $M_{\theta\theta}$1.98 $M_{\phi\phi}$0.35 $M_{r\theta}$-1.30 $M_{\theta\phi}$0.90 $M_{\phi r}$-0.77 NP1:ϕ_s62.00000°,δ61.00000°,λ-94.00000°. NP2:ϕ_s250.00000°,δ29.00000°,λ-83.00000°. $M_0$2.80000$\times10^{15}$
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 28 20 50 22.3–.93 28.72N–.04 128.57E–.07 10 3.5b 21 1-62
IDC VI 28 20 50 21.4–1.2 28.74N 128.57E 0 3.4,3.4b **¶610789669**
JMA VI 28 20 50 21.6–.23 28.7N–.30 128.5E–.80 13–2 3.2,3.4b
ISC Event type ke.
JMA Event type ke. NEAR TOKARA ISLANDS .
ISC VI 28 23 53 06.3–1.6 28.71N–.04 128.56E–.06 4–11 4.2b,3.2s 35 1-76
IDC VI 28 23 53 06.2–1.2 28.68N 128.32E 0 3.7b,3.6 **¶610789677**
JMA VI 28 23 53 06.1–.32 28.8N–.30 128.5E–1.0 7–3 3.3,3.6
NEIC VI 28 23 53 09.4–1.5 28.70N–.05 128.6E–.10 24–5 4.3b,3.6
ISC Event type ke.
JMA Event type ke. NEAR TOKARA ISLANDS .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 29 00 30 39.0–1.5 28.70N–.03 128.49E–.05 3–10 4.1b,3.7s 58 1-91
IDC VI 29 00 30 38.3–.73 28.68N 128.31E 0 3.7,3.7b **¶610789679**
JMA VI 29 00 30 39.2–.25 28.8N–.30 128.5E–.70 7–2 3.4,3.7b
NEIC VI 29 00 30 40.9–1.6 28.61N–.06 128.5E–.20 10–1 4.5b,3.7b
ISC Event type ke.
JMA Event type ke. NEAR TOKARA ISLANDS .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 29 01 37 25.9–1.7 28.74N–.04 128.56E–.05 5–10 4.1b,3.6s 47 1-96
IDC VI 29 01 37 25.2–.54 28.82N 128.65E 0 4.0,4.0b **¶610761007**
JMA VI 29 01 37 25.5–.29 28.8N–.30 128.5E–.80 6–3 4.5W,4.2
NIED VI 29 01 37 25.5 28.75N 128.52E 6 4.4W,4.2
ISC Event type ke.
IDC Error ellipse: s-maj=23.3km s-min=12.7km az=75.0.
JMA Event type fe. NEAR TOKARA ISLANDS .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-4.52 $M_{\theta\theta}$4.05 $M_{\phi\phi}$0.48 $M_{r\theta}$-1.82 $M_{\theta\phi}$0.83 $M_{\phi r}$-1.48 NP1:ϕ_s66.00000°,δ59.00000°,λ-101.00000°. NP2:ϕ_s267.00000°,δ33.00000°,λ-72.00000°. $M_0$4.96000$\times10^{15}$
ISC VI 29 01 42 13.3–2.1 28.70N–.04 128.52E–.09 1–13 3.5b 18 1-62
JMA VI 29 01 42 13.0–.28 28.8N–.30 128.5E–.80 6–3 3.3 **¶610789686**
IDC VI 29 01 42 13.7–1.9 28.41N 129.29E 0 3.8s,3.7
ISC Event type ke.
JMA Event type ke. NEAR TOKARA ISLANDS .
IDC Error ellipse: s-maj=52.2km s-min=20.6km az=113.0.
ISC VI 29 03 41 53.4–.53 28.68N–.04 128.65E–.06 39–6 4.2b,3.5s 65 1-82
NIED VI 29 03 41 49.5 28.75N 128.52E 11 4.1W,3.5s **¶610764508**
JMA VI 29 03 41 49.5–.33 28.8N–.40 129E–1.0 11–3 3.6,3.5s
IDC VI 29 03 41 54.9–1.4 28.63N 128.69E 54–16 3.8,3.5b
NEIC VI 29 03 41 54.2–1.3 28.62N–.06 128.5E–.10 44–8 4.5b,3.5b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-1.51 $M_{\theta\theta}$1.56 $M_{\phi\phi}$-0.05 $M_{r\theta}$-0.27 $M_{\theta\phi}$0.43 $M_{\phi r}$-0.55 NP1:ϕ_s60.00000°,δ54.00000°,λ-110.00000°. NP2:ϕ_s272.00000°,δ40.00000°,λ-64.00000°. $M_0$1.71000$\times10^{15}$
JMA Event type ke. NEAR TOKARA ISLANDS .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VI 29 06 52 37.8–2.2 28.75N 128.67E 0 3.7,3.7b
¶617196370
IDC Error ellipse: s-maj=89.8km s-min=21.5km az=71.0.
ISC VI 29 06 52 50.0–.71 28.70N–.04 128.56E–.04 29–4 4.6b,4.3s 401 2-122
BJI VI 29 06 52 46.0–.00 28.57N 128.60E 10 4.6b,4.5b **¶610789702**
MOS VI 29 06 52 46.6–1.2 28.78N 128.45E 15 4.7b,4.5b
NEIC VI 29 06 52 49.4–1.4 28.75N–.06 128.53E–.08 22–6 4.7b,4.5b
IDC VI 29 06 52 50.7–4.1 28.74N 128.53E 30–29 4.1,4.0b
ISC Event type se.
MOS Error ellipse: s-maj=10.0km s-min=6.1km az=99.7.
NEIC Event type se. Error ellipse: s-maj=11.0km s-min=8.6km az=111.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=16.8km s-min=11.6km az=92.0.
ISC VI 29 10 13 07.0–.74 28.67N–.04 128.56E–.06 10 3.5b 21 1-62
IDC VI 29 10 13 05.9–1.1 28.62N 128.67E 0 3.4,3.4b **¶610789713**
JMA VI 29 10 13 05.7–.33 28.7N–.40 129E–1.0 7–3 3.2,3.4b
ISC Event type ke.
JMA Event type ke. NEAR TOKARA ISLANDS .
ISC VI 29 11 30 45.7–.76 28.73N–.04 128.59E–.08 10 3.4b,3.0s 19 1-62
JMA VI 29 11 30 45.0–.38 28.8N–.40 129E–1.0 7–4 3.3,3.0s **¶614868032**
IDC VI 29 11 30 51.3–1.7 28.67N 128.57E 54–19 3.5,3.2s
ISC Event type ke.
JMA Event type ke. NEAR TOKARA ISLANDS .
IDC Error ellipse: s-maj=31.3km s-min=11.4km az=91.0.
ISC VI 29 13 38 03.7–.71 28.69N–.04 128.57E–.07 10 3.5b 19 1-76
JMA VI 29 13 38 02.3–.26 28.8N–.20 128.5E–.70 5–2 3.2 **¶610789723**
IDC VI 29 13 38 07.7–2.0 28.63N 128.65E 42–25 3.5,3.4b
ISC Event type ke.
JMA Event type ke. NEAR TOKARA ISLANDS .
IDC Error ellipse: s-maj=34.1km s-min=14.0km az=99.0.
ISC VI 29 15 02 01.0–1.5 28.71N–.03 128.65E–.06 12–10 4.3b,3.3s 71 1-76
JMA VI 29 15 02 00.0–.27 28.8N–.30 129E–1.0 16–3 3.5,3.3s **¶610764510**
NIED VI 29 15 02 00.0 28.76N 128.55E 16 4.0W,3.3s
IDC VI 29 15 02 04.2–2.7 28.69N 128.67E 37–25 3.7,3.5b
NEIC VI 29 15 02 06.1–2.0 28.63N–.06 128.79E–.10 49–9 4.4b,3.5b
ISC Event type ke.
JMA Event type ke. NEAR TOKARA ISLANDS .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.86 $M_{\theta\theta}$0.60 $M_{\phi\phi}$0.26 $M_{r\theta}$-0.64 $M_{\theta\phi}$0.35 $M_{\phi r}$0.34 NP1:ϕ_s87.00000°,δ63.00000°,λ-64.00000°. NP2:ϕ_s220.00000°,δ36.00000°,λ-131.00000°. $M_0$1.08000$\times10^{15}$
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 30 00 11 45.9–1.4 28.67N–.03 128.58E–.05 3–9 4.1b,3.6s 58 1-77
NIED VI 30 00 11 46.3 28.74N 128.57E 7 4.3W,3.6s **¶614868766**
JMA VI 30 00 11 46.3–.34 28.7N–.40 129E–1.0 7–3 3.5,3.6s
NEIC VI 30 00 11 50.4–1.4 28.75N–.06 128.70E–.05 33–6 4.2b,3.6s
IDC VI 30 00 11 51.0–2.2 28.76N 128.70E 41–23 3.7,3.5s
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-2.46 $M_{\theta\theta}$2.59 $M_{\phi\phi}$-0.13 $M_{r\theta}$-1.33 $M_{\theta\phi}$0.62 $M_{\phi r}$-1.10 NP1:ϕ_s63.00000°,δ62.00000°,λ-106.00000°. NP2:ϕ_s273.00000°,δ32.00000°,λ-63.00000°. $M_0$3.13000$\times10^{15}$
JMA Event type ke. NEAR TOKARA ISLANDS .
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=5.1km az=152.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=26.7km s-min=15.6km az=85.0.
ISC VI 30 14 38 09.5–1.4 28.74N–.03 128.65E–.05 9–9 4.4b,3.5s 68 1-92
IDC VI 30 14 38 07.3–.80 28.73N 128.80E 0 3.9b,3.8 **¶610764514**
JMA VI 30 14 38 08.7–.29 28.8N–.30 128.6E–.90 7–3 3.6,3.8
NIED VI 30 14 38 08.7 28.77N 128.58E 7 4.2W,3.8
NEIC VI 30 14 38 13.6–1.7 28.60N–.07 128.6E–.10 41–9 4.5b,3.8
ISC Event type ke.
JMA Event type fe. NEAR TOKARA ISLANDS .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-2.04 $M_{\theta\theta}$1.67 $M_{\phi\phi}$0.38 $M_{r\theta}$-0.50 $M_{\theta\phi}$0.47 $M_{\phi r}$-0.66 NP1:ϕ_s60.00000°,δ56.00000°,λ-102.00000°. NP2:ϕ_s261.00000°,δ36.00000°,λ-73.00000°. $M_0$2.09000$\times10^{15}$
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 30 15 22 29.0–.56 28.67N–.04 128.75E–.04 51–5 4.5b,3.7s 316 1-118
IDC VI 30 15 22 22.3–.51 28.76N 128.67E 0 4.1,4.1b **¶610728753**
JMA VI 30 15 22 24.0–.35 28.8N–.40 129E–1.0 11–4 3.9,4.1b

NIED VI 30 15 22 24.0 28.77N 128.61E 11 4.5W,4.1b
BJI VI 30 15 22 25.7–.00 28.34N 128.88E 54 4.5b,4.4b
MOS VI 30 15 22 26.5–1.1 28.78N 128.65E 42 4.5b,4.4b
NEIC VI 30 15 22 28.9–1.7 28.61N–.06 128.67E–.10 53–7 4.6b,4.4b
ISC Event type ke.
JMA Event type fe. NEAR TOKARA ISLANDS .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; Mrr-4.64 Mθθ4.06 Mφφ0.58 Mrθ-2.18 Mθφ1.51 Mφr-1.46 NP1:φs63.00000°,δ60.00000°,λ-97.00000°. NP2:φs256.00000°,δ31.00000°,λ-79.00000°. Mo5.32000×10^{15}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(239) Southeast of Ryukyu Islands.

ISC I 05 18 43 29.1–1.8 23.88N–.07 127.10E–.04 11–12 3.6b 44 2-59
IDC I 05 18 43 37.5–1.2 24.11N 127.04E 0 4.2L,3.8 **¶610208169**
JMA I 05 18 43 41.4–.25 24N–1.0 126.7E–.90 101 3.5,3.8
NIED I 05 18 43 41.4 24.41N 126.74E 101 3.9W,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=33.4km s-min=19.8km az=83.0.
JMA Event type ke. NEAR MIYAKOJIMA ISLAND .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; Mrr-4.32 Mθθ8.10 Mφφ-3.78 Mrθ1.04 Mθφ3.55 Mφr-1.89 NP1:φs291.00000°,δ63.00000°,λ-34.00000°. NP2:φs38.00000°,δ60.00000°,λ-149.00000°. Mo7.88000×10^{14}
ISC I 12 11 04 21.3–.95 25.78N–.06 130.04E–.04 35 3.7b 31 1-77
IDC I 12 11 04 18.0–1.9 25.68N 130.07E 0 3.8,3.8b **¶610207611**
JMA I 12 11 04 18.9–.12 26N–1.0 130.1E–.40 41 3.6,3.8b
NIED I 12 11 04 18.9 25.79N 130.05E 41 3.9W,3.8b
ISC Event type ke.
IDC Error ellipse: s-maj=78.2km s-min=27.7km az=73.0.
JMA Event type ke. NEAR MINAMI-DAITOJIMA IS.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; Mrr-3.10 Mθθ2.97 Mφφ0.13 Mrθ5.50 Mθφ6.36 Mφr1.73 NP1:φs263.00000°,δ77.00000°,λ-51.00000°. NP2:φs8.00000°,δ41.00000°,λ-160.00000°. Mo8.68000×10^{14}
ISC I 19 10 53 16.3–3.9 26.98N–.03 130.21E–.04 17–29 4.0b 59 1-91
IDC I 19 10 53 13.9–.63 26.98N 130.18E 0 4.0b,3.9 **¶610207623**
NIED I 19 10 53 16.3 26.95N 130.20E 57 4.1W,3.9
JMA I 19 10 53 16.3–.07 27.0N–.40 130.2E–.50 57 4.1,3.9
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; Mrr-1.27 Mθθ0.32 Mφφ0.95 Mrθ-0.05 Mθφ0.68 Mφr-0.73 NP1:φs19.00000°,δ59.00000°,λ-105.00000°. NP2:φs227.00000°,δ34.00000°,λ-66.00000°. Mo1.52000×10^{15}
JMA Event type ke. NEAR MINAMI-DAITOJIMA IS.
ISC II 14 17 03 05.3–.99 24.38N–.06 127.41E–.04 47 3.6b 45 2-48
IDC II 14 17 03 01.3–1.3 24.42N 127.30E 0 3.5,3.4b **¶610415514**
JMA II 14 17 03 04.5–.25 24N–1.0 127.3E–1.0 78 2.8,3.4b
ISC Event type ke.
JMA Event type ke. NEAR MIYAKOJIMA ISLAND .
IDC III 28 10 07 54.6–600 24.80N 129.84E 0
¶610543844
IDC Error ellipse: s-maj=261.6km s-min=184.6km az=61.0.
ISC III 31 19 11 04.5–3.1 24.84N–.07 127.01E–.04 8–20 3.9b 53 1-74
IDC III 31 19 11 04.9–2.3 24.75N 126.57E 0 3.8,3.8b **¶610544071**
NEIC III 31 19 11 06.7–3.0 24.87N–.09 126.96E–.07 23–7 4.2b,3.8b
JMA III 31 19 11 07.3–.21 25N–1.0 127E–1.0 83 3.0,3.8b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. NEAR MIYAKOJIMA ISLAND .
ISC IV 09 16 46 16.9–3.6 24.82N–.09 127.35E–.08 2–21 3.5b 18 1-74
IDC IV 09 16 46 17.2–2.5 24.62N 127.04E 0 3.6,3.6b **¶610652313**
JMA IV 09 16 46 19.6–.26 25N–1.0 127E–1.0 63 2.5,3.6b
ISC Event type ke.
JMA Event type ke. NEAR OKINAWAJIMA ISLAND .
JMA IV 21 13 10 32.8–.08 26.9N–.50 130.2E–.50 56 3.8
NIED IV 21 13 10 32.8 26.86N 130.22E 56 3.9W **¶610619279**
JMA Event type ke. NEAR MINAMI-DAITOJIMA IS.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; Mrr-3.79 Mθθ1.68 Mφφ2.11 Mrθ-1.17 Mθφ3.77 Mφr-5.22 NP1:φs18.00000°,δ72.00000°,λ-114.00000°. NP2:φs253.00000°,δ29.00000°,λ-40.00000°. Mo7.30000×10^{14}
ISC IV 29 08 36 26.3–.48 24.83N–.04 127.92E–.03 20–2 5.0b,4.2s 608 1-101
IDC IV 29 08 36 23.9–.55 24.92N 127.85E 0 4.5,4.5b **¶610588573**
BJI IV 29 08 36 23.2–.00 24.81N 127.91E 12 4.9b,4.7b
MOS IV 29 08 36 24.5–1.1 24.96N 127.78E 14 5.2b,4.6s
NEIC IV 29 08 36 25.6 24.84N 128.03E 12 5.2b,4.6s
NEIC IV 29 08 36 25.7–1.5 24.88N–.06 127.92E–.07 10–1 4.9b,4.7
NEIC IV 29 08 36 25.6 24.84N 127.91E 12 4.9b,4.7
GCMT IV 29 08 36 27.7–.40 24.80N–.03 127.82E–.05 12–1 4.8W,4.7
JMA IV 29 08 36 27.0–.27 25N–1.0 128E–1.0 70 4.7W,4.7
NIED IV 29 08 36 27.0 24.96N 127.80E 70 4.7W,4.7
ISC Event type ke. Moment Tensor Solution. NP1:φs16.12366°,δ71.74311°,λ-93.31194°. NP2: φs206.58937°,δ18.54479°,λ-80.06661°. Principal axes: T Plg26.6712°,Azm108.7439° ; N Plg3.1451°,Azm17.1623°; P Plg63.1144°,Azm280.9407°
IDC Error ellipse: s-maj=16.9km s-min=12.5km az=88.0.
MOS Error ellipse: s-maj=8.1km s-min=5.2km az=107.1.
NEIC Event type se. Moment Tensor Solution.Duration: 1s1 Moment tensor: Scale 10^{16}Nm; Mrr-0.95 Mθθ0.75 Mφφ0.20 Mrθ-0.28 Mθφ0.57 Mφr-0.89 NP1:φs33.13000°,δ66.85000°,λ-112.97000°. NP2:φs260.28000°,δ32.16000°,λ-47.62000°. Principal axes: T 1.3566,Plg19.0000°,Azm140.0000°; N 0.0802,Plg21.0000°,Azm43.0000° ; P -1.4368,Plg61.0000°,Azm268.0000° Mo1.40000×10^{16}
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=8.3km az=132.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s11,c11; s76,c95;Duration: 1.0 Moment tensor: Scale 10^{16}Nm; Mrr-1.30±.14 Mθθ0.93±.09; Mφφ0.36±.08; Mrθ-1.12±.28; Mθφ0.62±.05; Mφr-0.13±.31; Best double couple: NP1:φs73.00000°,δ66.00000°,λ-76.00000°. NP2:φs223.00000°,δ28.00000°,λ-118.00000°. Principal axes: T 1.6920,Plg19.0000° ,Azm153.0000°; N 0.0800,Plg13.0000°,Azm248.0000°; P -1.7720,Plg67.0000°,Azm8.0000° Mo1.73200×10^{16}
JMA Event type ke. NEAR OKINAWAJIMA ISLAND .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; Mrr-1.00 Mθθ0.75 Mφφ0.25 Mrθ-0.55 Mθφ0.55 Mφr-0.55 NP1:φs50.00000°,δ63.00000°,λ-98.00000°. NP2:φs246.00000°,δ28.00000°,λ-75.00000°. Mo1.31000×10^{16}
ISC V 22 20 24 50.5–.95 24.99N–.06 127.15E–.04 10 3.6b 29 1-49
IDC V 22 20 24 53.2–6.5 24.50N 125.72E 0 3.6,3.6b **¶610685175**
JMA V 22 20 24 53.7–.20 25N–1.0 127E–1.0 67 3.2,3.6b
ISC Event type ke.
JMA Event type ke. NEAR OKINAWAJIMA ISLAND .
JMA VI 09 08 15 04.9–.39 25N–2.0 129E–1.0 48 3.8
¶614844194
JMA Event type ke. FAR S OFF OKINAWAJIMA .
ISC VI 18 22 03 21.3–2.6 24.72N–.06 127.44E–.04 9–16 3.2b 34 1-49
IDC VI 18 22 03 17.1–7.2 25.56N 128.96E 0 3.4,3.4b **¶610792148**
JMA VI 18 22 03 24.1–.23 25N–1.0 127.4E–1.0 70 2.9,3.4b
ISC Event type ke.
JMA Event type ke. NEAR OKINAWAJIMA ISLAND .

SEISMIC REGION 21.
Taiwan.

(243) Taiwan region.

ISC I 01 01 47 15.3–1.1 23.91N–.02 122.50E–.02 16–9 135 1-3
TAP I 01 01 47 16.5 24.00N 122.48E 24–0 3.1L **¶612488223**
JMA I 01 01 47 16.4–.29 24N–2.0 122.5E–.50 21–4 2.9
ISC Event type ke.
TAP D.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC I 01 02 01 41.8–1.4 24.75N–.04 122.48E–.03 105–7 216 1-4
TAP I 01 02 01 42.0 24.81N 122.45E 103–0 4.1L **¶612488224**
JMA I 01 02 01 41.7–.16 25N–1.0 122.5E–.40 104–1 2.7
ISC Event type ke.
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
JMA I 01 11 40 57.1–.38 25N–3.0 123.0E–.80 126–4 1.8
¶616063579
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC I 01 17 17 59.2–1.1 24.76N–.03 122.31E–.02 15–9 94 0-2
TAP I 01 17 17 60.0 24.80N 122.26E 8–0 2.6L **¶614089559**
JMA I 01 17 18 00.6–.06 24.7N–.50 122.3E–.20 38–2 2.0
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
ISC I 01 23 20 45.3–1.1 24.11N–.05 122.87E–.02 22–5 61 0-2
TAP I 01 23 20 45.4 24.14N 122.84E 24–2 2.7L **¶614090335**
JMA I 01 23 20 45.4–.11 24.1N–.70 122.9E–.40 19–2 2.5
ISC Event type ke.
TAP D.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC I 02 00 16 06.6–1.2 23.68N–.04 122.99E–.03 50 109 1-3
TAP I 02 00 16 06.5 23.71N 122.99E 51–1 3.1L **¶612488234**
JMA I 02 00 16 06.3–.12 23.8N–1.0 122.9E–.40 56–3 2.7
ISC Event type ke.
TAP D.
JMA Event type ke. NEAR ISHIGAKIJIMA ISLAND.
ISC I 02 18 37 43.6–1.6 23.76N–.06 122.93E–.02 16–11 56 1-2
JMA I 02 18 37 44.5–.20 23.8N–.70 122.9E–.50 26–3 2.6 **¶614091963**
TAP I 02 18 37 45.8 23.78N 122.87E 23–2 2.4L
ISC Event type ke.
JMA Event type ke. NEAR ISHIGAKIJIMA ISLAND.
TAP C.
ISC I 02 18 59 10.0–1.1 24.24N–.03 122.11E–.02 23–4 70 0-2
JMA I 02 18 59 09.6–.29 24N–2.0 122.1E–.70 54–3 2.3 **¶612488255**
TAP I 02 18 59 10.3 24.32N 122.11E 7–1 3.0L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP D.
ISC I 02 19 49 37.0–1.4 23.78N–.02 122.89E–.02 13–11 157 1-3
JMA I 02 19 49 38.6–.19 23.8N–.80 122.9E–.50 29–3 3.0 **¶614092059**
TAP I 02 19 49 41.2 23.82N 122.68E 14–0 3.0L
ISC Event type ke.
JMA Event type ke. NEAR ISHIGAKIJIMA ISLAND.
TAP D.
ISC I 02 20 43 36.0–1.4 22.13N–.06 122.78E–.04 50 132 1-4
JMA I 02 20 43 36.8–.63 22N–3.0 123E–2.0 64 3.6 **¶612488257**
TAP I 02 20 43 37.1 22.12N 122.66E 53–1 3.8L
ISC Event type ke.
JMA Event type ke. FAR S OFF ISHIGAKIJIMA .
TAP D.
JMA I 02 20 43 40.8–.32 24N–1.0 123E–1.0 42
¶614092135
JMA Event type ke. NEAR ISHIGAKIJIMA ISLAND.
ISC I 03 05 53 16.2–4.0 21.6N–.20 121.08E–.07 27–14 26 0-3
TAP I 03 05 53 14.8 21.52N 121.00E 37–1 3.7L **¶612488262**
ISC Event type ke.
TAP C.
ISC I 04 09 04 05.9–1.0 24.77N–.02 122.29E–.02 8–9 87 0-2
TAP I 04 09 04 06.1 24.80N 122.21E 4–1 2.6L **¶614094648**
JMA I 04 09 04 06.1–.20 25N–1.0 122.3E–.40 10 2.3
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
ISC I 04 09 48 14.7–1.9 25.11N–.07 122.31E–.03 175–10 137 0-3
TAP I 04 09 48 14.1 25.22N 122.35E 177–0 3.5L **¶614094683**
JMA I 04 09 48 14.5–.25 25N–2.0 122.3E–.70 173–2 3.4
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
JMA I 04 18 46 53.2–.17 24N–3.0 122.9E–.70 50–4 1.8
¶616063586
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
JMA I 05 08 37 31.6–.17 25N–3.0 122.7E–.80 26–1 1.5
¶616063601
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
TAP I 05 08 38 10.5 24.33N 122.12E 7–0 2.2L
¶614096158
TAP D.
ISC I 05 10 09 12.0–1.2 24.85N–.03 122.39E–.02 7–9 170 0-3
TAP I 05 10 09 13.0 24.82N 122.36E 13–0 3.3L **¶612488288**
JMA I 05 10 09 14.0–.09 24.8N–.70 122.4E–.30 48–2 2.9
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
ISC I 05 10 16 03.5–1.1 24.59N–.02 122.44E–.02 5–10 131 0-3
TAP I 05 10 16 05.0 24.63N 122.35E 10–0 2.7L **¶614443293**
JMA I 05 10 16 05.4–.05 24.6N–.60 122.4E–.20 25–2 2.2
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
TAP I 05 11 02 04.6 24.44N 122.08E 15–0 1.7L
¶614096288
TAP C.
ISC I 06 10 30 39.5–1.1 23.80N–.02 122.48E–.02 23–13 126 1-3
TAP I 06 10 30 40.4 23.86N 122.51E 39–1 2.9L **¶614097582**
JMA I 06 10 30 41.2–.08 24.0N–.70 122.4E–.20 46 2.2
ISC Event type ke.
TAP D.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC I 07 20 37 50.5–1.3 24.83N–.03 122.12E–.03 108–6 244 0-3
TAP I 07 20 37 51.2 24.81N 122.12E 101–0 3.3L **¶614443690**
JMA I 07 20 37 51.3–.22 24.8N–.80 122.1E–.50 99–2 2.1
ISC Event type ke.
TAP B.
JMA Event type ke. TAIWAN REGION .
ISC I 08 03 12 19.0–1.1 24.91N–.04 122.61E–.06 10 3.2b 73 1-46
TAP I 08 03 12 18.1 24.94N 122.62E 8–1 3.2L **¶610236936**
IDC I 08 03 12 22.7–2.3 24.72N 121.43E 0 3.3,3.3b
ISC Event type ke.
TAP D.
IDC Error ellipse: s-maj=181.8km s-min=30.4km az=65.0.
ISC I 08 09 16 44.9–1.1 24.25N–.02 122.15E–.02 19–2 100 0-2
TAP I 08 09 16 45.4 24.30N 122.13E 33–0 3.0L **¶614100391**
JMA I 08 09 16 45.1–.12 24.2N–.60 122.1E–.30 52–1 2.3
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
ISC I 08 14 43 40.4–1.1 24.02N–.02 122.43E–.02 8–9 120 1-3
TAP I 08 14 43 42.0 24.10N 122.46E 31–0 3.3L **¶612488342**
JMA I 08 14 43 41.9–.33 24N–2.0 122.4E–.60 18–4 2.9
ISC Event type ke.
TAP D.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC I 08 15 57 41.2–1.1 23.97N–.02 122.88E–.02 14–9 140 0-3
TAP I 08 15 57 43.6 24.01N 122.91E 29–1 2.8L **¶614443750**
JMA I 08 15 57 43.7–.13 24N–1.0 122.9E–.50 36–3 2.5
ISC Event type ke.
TAP D.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC I 08 22 25 33.5–.94 22.09N–.04 121.42E–.03 27–7 92 0-4
TAP I 08 22 25 32.8 22.05N 121.44E 34–1 3.5L **¶612488347**
JMA I 08 22 25 33.9–.29 22N–1.0 121.8E–.80 0 3.6
ISC Event type ke.

TAP C.
JMA Event type ke. TAIWAN REGION .
ISC I 09 01 04 09.6–1.3 24.63N–.03 122.46E–.02 92–7 177 0-4
TAP I 09 01 04 09.1 24.64N 122.47E 96–0 3.6L **¶614101045**
JMA I 09 01 04 09.4–.13 25N–2.0 122.5E–.80 92–1 3.4
ISC Event type ke.
TAP B.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC I 09 02 00 02.5–1.4 24.42N–.07 122.86E–.03 63–8 67 0-2
TAP I 09 02 00 01.3 24.51N 122.88E 71–0 2.6L **¶614101074**
JMA I 09 02 00 01.6–.14 25N–2.0 122.9E–.60 68–0 2.3
ISC Event type ke.
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC I 10 17 40 23.3–.98 24.13N–.02 122.63E–.02 15–8 159 0-3
JMA I 10 17 40 24.0–.21 24N–1.0 122.7E–.80 12–3 2.7 **¶614102644**
TAP I 10 17 40 24.0 24.21N 122.61E 19–0 2.8L
ISC Event type ke.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
TAP D.
TAP I 10 17 41 07.5 21.61N 121.02E 37–1 2.2L
¶614443994
TAP C.
ISC I 10 20 04 02.7–1.1 24.15N–.04 122.81E–.02 18–6 100 0-2
TAP I 10 20 04 03.1 24.11N 122.81E 18–0 2.5L **¶614102716**
JMA I 10 20 04 03.1–.13 24N–2.0 122.8E–.80 23–3 2.0
ISC Event type ke.
TAP D.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC I 11 22 05 11.0–1.6 24.88N–.05 122.57E–.03 120–9 161 1-3
TAP I 11 22 05 09.4 24.96N 122.63E 130–1 3.6L **¶614103759**
JMA I 11 22 05 09.9–.18 25N–2.0 122.6E–.50 127–2 2.5
ISC Event type ke.
TAP D.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC I 12 00 47 20.4–2.4 24.95N–.09 122.85E–.04 145–16 72 1-3
JMA I 12 00 47 19.2–.28 25N–3.0 122.8E–.90 151 2.6 **¶614103848**
TAP I 12 00 47 19.2 25.08N 122.86E 150–0 3.0L
ISC Event type ke.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
TAP C.
ISC I 13 10 23 20.2–1.5 24.43N–.05 122.88E–.03 99–9 130 0-3
TAP I 13 10 23 20.7 24.47N 122.79E 109–0 3.0L **¶614105174**
JMA I 13 10 23 20.4–.18 25N–2.0 122.9E–.60 94–1 2.6
ISC Event type ke.
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC I 13 18 20 50.6–1.9 25.58N–.09 122.76E–.04 243–10 143 1-5
TAP I 13 18 20 51.1 25.71N 122.91E 224–1 3.8L **¶614105567**
JMA I 13 18 20 51.6–.31 25N–3.0 123E–1.0 244 3.4
ISC Event type ke.
TAP D.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC I 14 01 53 29.3–.94 24.55N–.02 122.46E–.02 17–8 144 0-3
JMA I 14 01 53 26.6–.22 25N–1.0 122.4E–.30 18–2 3.0 **¶614105907**
TAP I 14 01 53 29.3 24.53N 122.43E 15–0 3.2L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP D.
ISC I 14 22 30 50.9–.65 24.61N–.03 122.80E–.02 91–5 4.2b 292 0-72
ASIES I 14 22 30 51.5 24.65N 122.81E 88 4.5L,3.9W **¶610237391**
TAP I 14 22 30 51.5 24.65N 122.81E 88–0 4.5L,3.9W
NEIC I 14 22 30 51.2–1.5 24.63N–.07 122.83E–.06 91–5 4.4b,3.9W
JMA I 14 22 30 51.3–.13 25N–2.0 122.8E–.50 91–1 3.7,3.9W
IDC I 14 22 30 53.1–7.1 24.78N 122.92E 112–74 4.4L,3.9
ISC Event type ke.
ASIES Moment Tensor Solution. Moment tensor: Scale 10^{21}Nm; M_{rr}3.31 $M_{\theta\theta}$2.93 $M_{\phi\phi}$-6.25 $M_{r\theta}$-3.11 $M_{\theta\phi}$-4.03 $M_{\phi r}$0.92 NP1:ϕ_s238.03000°,δ63.99000°,λ148.41000°. NP2:ϕ_s343.12000° ,δ61.91000°,λ29.80000°. Principal axes: T Plg40.0130°,Azm199.8790°; N Plg49.9560° ,Azm22.5460°; P Plg1.3140°,Azm290.9820° $M_0$7.48496×10^{21}
TAP B.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=8.0km az=177.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
IDC Error ellipse: s-maj=58.8km s-min=20.3km az=66.0.
ISC I 16 03 43 23.8–1.2 24.36N–.02 122.05E–.02 64–5 304 0-3
JMA I 16 03 43 23.0–.21 24.3N–.80 122.0E–.50 68–2 3.6 **¶612488407**
TAP I 16 03 43 23.4 24.37N 122.01E 66–0 4.2L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP B.
ISC I 17 02 07 46.9–1.4 24.94N–.04 122.21E–.03 133–6 209 0-4
TAP I 17 02 07 46.9 24.97N 122.22E 133–0 3.9L **¶612488422**
JMA I 17 02 07 46.9–.17 24.9N–.90 122.2E–.40 131–1 2.9
ISC Event type ke.
TAP B.
JMA Event type ke. TAIWAN REGION .
ISC I 18 02 38 34.0–1.0 24.34N–.03 122.22E–.02 33–6 107 0-2
TAP I 18 02 38 34.0 24.36N 122.20E 29–0 3.0L **¶612488434**
JMA I 18 02 38 33.6–.13 24.3N–.70 122.2E–.20 52–2 2.4
ISC Event type ke.
TAP B.
JMA Event type ke. TAIWAN REGION .
ISC I 18 11 29 22.0–1.1 24.06N–.02 122.27E–.02 24–12 137 1-2
TAP I 18 11 29 22.4 24.11N 122.27E 23–0 2.6L **¶614110037**
JMA I 18 11 29 22.5–.11 24.1N–1.0 122.3E–.30 28–2 2.1
ISC Event type ke.
TAP D.
JMA Event type ke. TAIWAN REGION .
ISC I 18 14 09 32.0–.99 23.99N–.02 122.70E–.02 35–8 3.6b 280 1-83
IDC I 18 14 09 27.2–.87 24.21N 122.65E 0 3.7,3.7b **¶610237669**
ASIES I 18 14 09 32.2 24.03N 122.78E 57 4.2L,3.9W
TAP I 18 14 09 32.2 24.03N 122.78E 57–0 4.2L,3.9W
JMA I 18 14 09 33.0–.13 24.0N–.90 122.6E–.30 28–2 3.5,3.9W
ISC Event type ke.
ASIES Moment Tensor Solution. Moment tensor: Scale 10^{21}Nm; M_{rr}6.93 $M_{\theta\theta}$-5.52 $M_{\phi\phi}$-1.41 $M_{r\theta}$6.43 $M_{\theta\phi}$-2.17 $M_{\phi r}$0.82 NP1:ϕ_s77.36000°,δ67.17000°,λ97.64000°. NP2:ϕ_s238.29000°,δ24.01000° ,λ72.47000°. Principal axes: T Plg66.9670°,Azm1.2710°; N Plg7.0400°,Azm254.3850° ; P Plg21.8120°,Azm161.5520° $M_0$9.33040×10^{21}
TAP D.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC I 18 21 12 10.5–1.1 24.78N–.02 122.38E–.02 5–8 3.8b,3.1s 189 0-82
IDC I 18 21 12 09.1–2.2 25.07N 123.46E 0 3.8,3.8b **¶610237685**
ASIES I 18 21 12 11.0 24.80N 122.30E 8 3.9L,3.6W
TAP I 18 21 12 11.0 24.80N 122.30E 8–0 3.9L,3.6W
JMA I 18 21 12 11.6–.11 24.7N–.80 122.3E–.30 48–2 2.8,3.6W
ISC Event type ke.
ASIES Moment Tensor Solution. Moment tensor: Scale 10^{21}Nm; M_{rr}-2.51 $M_{\theta\theta}$2.79 $M_{\phi\phi}$-0.28 $M_{r\theta}$0.11 $M_{\theta\phi}$0.66 $M_{\phi r}$0.24 NP1:ϕ_s252.85000°,δ46.88000°,λ-97.69000°. NP2:ϕ_s84.03000°,δ43.67000° ,λ-81.86000°. Principal axes: T Plg1.6120°,Azm348.2820°; N Plg5.6110°,Azm258.1230° ; P Plg84.1610°,Azm94.2540° $M_0$2.75714×10^{21}
TAP D.
JMA Event type ke. TAIWAN REGION .
ISC I 19 03 42 20.6–1.0 21.35N–.04 119.98E–.03 32–7 4.2b,3.3s 302 1-97
IDC I 19 03 42 14.5–.55 21.12N 120.08E 0 4.0,4.0b **¶610101688**
TAP I 19 03 42 18.5 21.30N 119.99E 78–1 4.5L,4.0b
JMA I 19 03 42 18.1–.44 21N–2.0 120E–2.0 25 4.6,4.0b
NEIC I 19 03 42 24.0–1.8 21.63N–.06 120.09E–.09 38–8 4.6b,4.0b
BJI I 19 03 42 24.0–.00 21.68N 119.82E 40 4.7b,4.3b
ISC Event type ke.

IDC Error ellipse: s-maj=24.0km s-min=12.5km az=65.0.
TAP D.
JMA Event type ke. TAIWAN REGION .
NEIC Event type se. Error ellipse: s-maj=12.3km s-min=7.2km az=115.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 20 08 16 26.7–.78 24.32N–.02 122.24E–.02 43–7 4.2b,3.2s 379 0-149
NIED I 20 08 16 26.6 24.27N 122.22E 50 4.2W,3.2s **¶610207626**
JMA I 20 08 16 26.6–.12 24.3N–.70 122.2E–.20 50–2 4.2,4.0
ASIES I 20 08 16 27.1 24.35N 122.20E 42 4.5L,4.1W
TAP I 20 08 16 27.1 24.35N 122.20E 42–0 4.5L,4.1W
NEIC I 20 08 16 27.3–1.2 24.31N–.05 122.22E–.04 46–8 4.3b,4.1W
IDC I 20 08 16 29.2–3.7 24.39N 122.27E 71–35 4.2,3.9b
ISC Event type ke.
NIED Moment Tensor Solution. s2 Moment tensor: Scale 10^{15}Nm; M_{rr}0.89 $M_{\theta\theta}$0.33 $M_{\phi\phi}$-1.22 $M_{r\theta}$0.87 $M_{\theta\phi}$-1.42 $M_{\phi r}$-0.68 NP1:ϕ_s174.00000°,δ65.00000°,λ34.00000°. NP2:ϕ_s68.00000° ,δ60.00000°,λ150.00000°. $M_0$2.10000×10^{15}
JMA Event type ke. TAIWAN REGION .
ASIES Moment Tensor Solution. Moment tensor: Scale 10^{22}Nm; M_{rr}1.61 $M_{\theta\theta}$-1.22 $M_{\phi\phi}$-0.94 $M_{r\theta}$0.09 $M_{\theta\phi}$-0.94 $M_{\phi r}$-0.26 NP1:ϕ_s221.21000°,δ47.18000°,λ78.90000°. NP2:ϕ_s57.31000°,δ43.96000° ,λ101.74000°. Principal axes: T Plg81.7170°,Azm60.2950°; N Plg8.1200°,Azm228.8020° ; P Plg1.6280°,Azm319.0340° $M_0$1.85891×10^{22}
TAP C.
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=5.5km az=170.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=30.5km s-min=13.1km az=64.0.
ISC I 21 11 05 59.3–1.4 24.51N–.04 122.64E–.03 58–12 139 0-3
TAP I 21 11 05 56.9 24.59N 122.67E 83–0 2.8L **¶612488468**
JMA I 21 11 05 58.0–.17 25N–2.0 122.6E–.60 72–1 2.8L
ISC Event type ke.
TAP D.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC I 21 20 11 02.7–1.2 23.85N–.03 122.64E–.02 20–5 125 1-3
TAP I 21 20 11 04.0 23.85N 122.55E 21–1 2.7L **¶614113264**
JMA I 21 20 11 04.6–.13 24N–1.0 122.6E–.40 36–3 2.0
ISC Event type ke.
TAP D.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
JMA I 22 03 58 04.7–.06 24N–2.0 123.0E–.30 47–1 2.0
TAP I 22 03 58 06.3 24.15N 122.78E 97–1 2.3L **¶614113527**
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
TAP D.
TAP I 22 03 58 41.3 22.68N 121.06E 8–0 1.4L
¶614445143
TAP C.
ISC I 22 13 52 11.3–1.1 24.86N–.03 122.30E–.02 19–2 138 0-3
TAP I 22 13 52 12.3 24.83N 122.23E 11–0 3.1L **¶614113786**
JMA I 22 13 52 13.1–.10 24.8N–.90 122.3E–.40 32–4 2.4
ISC Event type ke.
TAP D.
JMA Event type ke. TAIWAN REGION .
ISC I 22 18 35 03.1–1.1 24.78N–.02 122.25E–.02 6–9 97 0-2
TAP I 22 18 35 03.0 24.83N 122.23E 11–0 3.2L **¶614113948**
JMA I 22 18 35 03.0–.30 24.7N–.50 122.2E–.20 0–2 2.5
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
ISC I 23 20 22 50.2–.99 24.75N–.02 122.32E–.02 9–9 138 0-3
TAP I 23 20 22 49.9 24.78N 122.32E 12–1 3.4L **¶612488488**
JMA I 23 20 22 50.2–.14 24.7N–.30 122.3E–.10 3–2 2.7
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
ISC I 24 07 52 49.6–1.5 24.71N–.04 122.59E–.02 112–8 153 0-2
TAP I 24 07 52 48.7 24.78N 122.59E 118–0 3.7L **¶614115190**
JMA I 24 07 52 48.6–.22 25N–2.0 122.6E–.60 117–2 2.9
ISC Event type ke.
TAP B.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC I 25 13 20 17.9–1.2 24.83N–.03 122.37E–.03 16–9 111 0-3
JMA I 25 13 20 19.8–.16 24.7N–1.0 122.3E–.40 49–3 2.5 **¶614116398**
TAP I 25 13 20 20.1 24.79N 122.26E 13–0 3.1L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP C.
ISC I 26 05 56 59.0–1.2 23.72N–.03 122.93E–.02 15–10 104 1-4
TAP I 26 05 57 00.0 23.79N 122.97E 23–0 3.1L **¶614117082**
JMA I 26 05 57 01.0–.21 23.8N–.90 122.9E–.50 30–4 3.0
ISC Event type ke.
TAP D.
JMA Event type ke. NEAR ISHIGAKIJIMA ISLAND.
ISC I 26 09 12 39.9–1.4 24.48N–.04 122.67E–.02 89–7 183 0-3
TAP I 26 09 12 39.1 24.48N 122.67E 95–0 3.6L **¶612488523**
JMA I 26 09 12 39.3–.17 24N–2.0 122.6E–.50 90–1 2.5
ISC Event type ke.
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC I 26 21 43 57.9–.98 24.53N–.03 122.61E–.02 17–8 117 0-3
JMA I 26 21 43 59.6–.09 24N–2.0 122.5E–.50 24–1 2.3 **¶614117751**
TAP I 26 21 44 00.2 24.51N 122.51E 12–0 2.8L
ISC Event type ke.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
TAP C.
ISC I 27 11 30 12.1–1.3 22.05N–.03 121.25E–.02 19–3 193 0-5
ASIES I 27 11 30 12.3 21.99N 121.29E 38 4.1L,3.8W **¶610207638**
NIED I 27 11 30 12.9 22.33N 121.40E 0 3.8W,3.8W
TAP I 27 11 30 12.3 21.99N 121.29E 38–0 4.1L,3.8W
JMA I 27 11 30 12.9–.72 22N–3.0 121E–2.0 0 4.2,3.8W
ISC Event type ke.
ASIES Moment Tensor Solution. Moment tensor: Scale 10^{21}Nm; M_{rr}0.42 $M_{\theta\theta}$-6.68 $M_{\phi\phi}$6.26 $M_{r\theta}$1.14 $M_{\theta\phi}$-1.58 $M_{\phi r}$1.89 NP1:ϕ_s38.74000°,δ86.70000°,λ18.41000°. NP2:ϕ_s307.65000°,δ71.62000° ,λ176.52000°. Principal axes: T Plg15.2890°,Azm264.6790°; N Plg71.3050°,Azm48.5660° ; P Plg10.5000°,Azm171.7750° $M_0$7.03071×10^{21}
NIED Moment Tensor Solution. s2 Moment tensor: Scale 10^{14}Nm; M_{rr}-1.22 $M_{\theta\theta}$-3.60 $M_{\phi\phi}$4.82 $M_{r\theta}$3.41 $M_{\theta\phi}$0.42 $M_{\phi r}$1.66 NP1:ϕ_s224.00000°,δ79.00000°,λ-41.00000°. NP2:ϕ_s324.00000° ,δ50.00000°,λ-166.00000°. $M_0$5.76000×10^{14}
TAP D.
JMA Event type ke. TAIWAN REGION .
TAP I 27 11 39 49.0 24.95N 122.66E 24–0 2.8L
¶614445726
TAP C.
ISC I 27 11 50 59.6–1.7 24.62N–.06 122.68E–.03 108–10 110 0-2
TAP I 27 11 50 59.3 24.62N 122.65E 113–1 2.7L **¶614118233**
JMA I 27 11 50 59.3–.20 25N–3.0 123E–1.0 108–2 1.7
ISC Event type ke.
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC I 27 20 03 02.9–1.6 24.09N–.03 122.61E–.02 40–7 182 0-4
TAP I 27 20 03 01.8 24.09N 122.63E 46–0 3.2L **¶612488538**
JMA I 27 20 03 02.4–.14 24N–2.0 122.6E–.50 45–3 2.6
ISC Event type ke.
TAP B.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC I 27 21 38 32.7–.90 22.61N–.02 121.39E–.02 29–6 127 0-4
JMA I 27 21 38 32.5–.52 23N–2.0 121E–2.0 15 3.3 **¶612488539**
TAP I 27 21 38 33.4 22.63N 121.32E 23–0 3.1L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP C.
ISC I 28 19 16 55.4–1.5 24.57N–.05 122.89E–.03 101–9 124 0-3

TAP I 28 19 16 53.8 24.66N 122.91E 111–0 2.8L ¶614119600
JMA I 28 19 16 54.0–.17 25N–2.0 122.9E–.50 113–1 2.0
ISC Event type ke.
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC I 28 19 42 24.4–1.2 24.58N–.03 122.19E–.02 72–6 261 0-6
JMA I 28 19 42 23.9–.21 24.6N–.80 122.2E–.40 75–2 3.2 **¶612488557**
TAP I 28 19 42 24.2 24.58N 122.17E 73–0 3.8L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP B.
JMA I 28 20 24 28.4–.13 25N–2.0 122.9E–.50 82–1 1.3
¶616063592
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC I 28 23 19 03.0–1.6 24.93N–.05 122.25E–.03 151–8 153 0-3
JMA I 28 23 19 03.9–.20 25N–1.0 122.3E–.50 146–1 2.5 **¶614119802**
TAP I 28 23 19 03.1 24.97N 122.28E 151–0 3.2L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP C.
TAP I 30 02 43 33.2 24.47N 122.55E 23–1 2.4L
¶614445995
TAP C.
ISC I 30 13 57 18.7–1.1 24.83N–.02 122.41E–.02 6–9 141 0-2
JMA I 30 13 57 18.7–.12 24.8N–1.0 122.4E–.40 4 3.0 **¶614121170**
TAP I 30 13 57 19.2 24.85N 122.30E 4–1 3.5L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP D.
ISC II 01 05 41 29.4–1.0 23.85N–.02 122.73E–.02 14–7 3.8b,3.3s 245 0-83
IDC II 01 05 41 28.1–.79 24.14N 122.70E 0 3.9,3.9b **¶610247207**
ASIES II 01 05 41 32.2 23.96N 122.74E 32 4.2L,4.0W
TAP II 01 05 41 32.2 23.96N 122.74E 32–0 4.2L,4.0W
NIED II 01 05 41 33.1 24.02N 122.64E 33 4.1W,4.0W
JMA II 01 05 41 33.1–.12 24.0N–.90 122.6E–.30 33–2 3.9,4.0W
ISC Event type ke.
ASIES Moment Tensor Solution. Moment tensor: Scale 10^{21}Nm; M_{rr}8.23 $M_{\theta\theta}$-9.06 $M_{\phi\phi}$0.83 $M_{r\theta}$8.14 $M_{\theta\phi}$-0.67 $M_{\phi r}$2.69 NP1:ϕ_s75.69000°,δ67.61000°,λ81.17000°. NP2:ϕ_s277.88000°,δ23.99000° ,λ110.43000°. Principal axes: T Plg66.2670°,Azm330.0530°; N Plg8.1590°,Azm79.0860° ; P Plg22.1240°,Azm172.4270° $M_0$12.21050×10^{21}
TAP D.
NIED Moment Tensor Solution. s2 Moment tensor: Scale 10^{15}Nm; M_{rr}0.84 $M_{\theta\theta}$-0.87 $M_{\phi\phi}$0.03 $M_{r\theta}$0.95 $M_{\theta\phi}$-0.10 $M_{\phi r}$0.43 NP1:ϕ_s70.00000°,δ71.00000°,λ80.00000°. NP2:ϕ_s277.00000° ,δ21.00000°,λ115.00000°. $M_0$1.36000×10^{15}
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC II 01 10 37 24.9–1.6 24.80N–.10 122.88E–.05 35 17 0-3
JMA II 01 10 37 21.8–.20 25.0N–.90 122.9E–.70 23–2 2.8 **¶612488610**
ISC Event type ke.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC II 01 15 15 51.4–1.6 24.86N–.07 122.91E–.09 17–10 3.5b 18 0-49
JMA II 01 15 15 49.8–.33 25N–2.0 123E–1.0 27–4 2.9 **¶610414616**
IDC II 01 15 16 21.4–8.2 25.28N 123.53E 338–98 3.7,2.9b
ISC Event type ke.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
IDC Error ellipse: s-maj=36.4km s-min=15.7km az=61.0.
ISC II 01 15 50 50.8–1.0 23.97N–.02 122.56E–.02 13–7 3.5b 206 0-83
IDC II 01 15 50 49.5–1.1 24.25N 122.73E 0 3.6,3.6b **¶610414617**
JMA II 01 15 50 53.9–.20 24N–2.0 122.5E–.40 28–3 3.5,3.6b
ASIES II 01 15 50 54.2 24.11N 122.48E 28 3.8L,3.8W
TAP II 01 15 50 54.2 24.11N 122.48E 28–0 3.8L,3.8W
ISC Event type ke.
IDC Error ellipse: s-maj=53.8km s-min=21.4km az=65.0.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ASIES Moment Tensor Solution. Moment tensor: Scale 10^{21}Nm; M_{rr}3.04 $M_{\theta\theta}$-3.32 $M_{\phi\phi}$0.28 $M_{r\theta}$4.12 $M_{\theta\phi}$0.72 $M_{\phi r}$2.39 NP1:ϕ_s69.83000°,δ74.57000°,λ70.97000°. NP2:ϕ_s302.18000°,δ24.32000° ,λ139.75000°. Principal axes: T Plg56.3580°,Azm315.2330°; N Plg18.3200°,Azm75.0720° ; P Plg27.1420°,Azm174.8450° $M_0$5.77796×10^{21}
TAP C.
ISC II 01 15 52 00.0–1.1 24.02N–.03 122.49E–.02 15–9 113 0-2
TAP II 01 15 52 01.2 24.08N 122.49E 25–0 3.2L **¶614122927**
JMA II 01 15 52 01.3–.21 24N–1.0 122.5E–.40 19–3 2.7
ISC Event type ke.
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC II 01 18 35 57.9–1.3 24.93N–.04 122.84E–.03 8–9 3.6b,3.3s 126 0-82
ASIES II 01 18 35 57.8 24.88N 122.77E 12 4.0W,3.6L **¶610414622**
JMA II 01 18 35 57.6–.23 25N–1.0 122.9E–.80 26–3 3.2,3.6L
TAP II 01 18 35 57.8 24.88N 122.77E 12–1 3.6L,3.6L
IDC II 01 18 36 13.7–5.4 24.89N 122.75E 149–54 3.7,3.4s
ISC Event type ke.
ASIES Moment Tensor Solution. Moment tensor: Scale 10^{22}Nm; M_{rr}0.30 $M_{\theta\theta}$0.49 $M_{\phi\phi}$0.22 $M_{r\theta}$-0.16 $M_{\theta\phi}$-1.31 $M_{\phi r}$0.36 NP1:ϕ_s357.59000°,δ85.38000°,λ15.30000°. NP2:ϕ_s266.33000°,δ74.75000° ,λ175.21000°. Principal axes: T Plg14.0610°,Azm222.9160°; N Plg74.0320°,Azm14.0010° ; P Plg7.4130°,Azm131.0480° $M_0$1.43656×10^{22}
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
TAP D.
IDC Error ellipse: s-maj=26.4km s-min=15.2km az=75.0.
ISC II 02 00 17 41.4–.82 24.04N–.03 122.49E–.02 32–5 3.6b 204 0-83
JMA II 02 00 17 41.5–.24 24N–2.0 122.5E–.50 26–4 3.5 **¶610247214**
NIED II 02 00 17 41.5 24.04N 122.47E 26 3.8W
ASIES II 02 00 17 42.7 24.11N 122.42E 25 4.1L,3.8W
TAP II 02 00 17 42.7 24.11N 122.42E 25–0 4.1L,3.8W
IDC II 02 00 18 11.6–12 25.34N 122.47E 263–87 3.8,3.1b
ISC Event type ke.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
NIED Moment Tensor Solution. s2 Moment tensor: Scale 10^{14}Nm; M_{rr}3.04 $M_{\theta\theta}$-3.62 $M_{\phi\phi}$0.59 $M_{r\theta}$4.67 $M_{\theta\phi}$0.72 $M_{\phi r}$1.88 NP1:ϕ_s74.00000°,δ75.00000°,λ73.00000°. NP2:ϕ_s303.00000° ,δ23.00000°,λ137.00000°. $M_0$6.10000×10^{14}
ASIES Moment Tensor Solution. Moment tensor: Scale 10^{21}Nm; M_{rr}3.06 $M_{\theta\theta}$-3.34 $M_{\phi\phi}$0.28 $M_{r\theta}$5.94 $M_{\theta\phi}$-0.48 $M_{\phi r}$1.63 NP1:ϕ_s75.43000°,δ76.26000°,λ86.15000°. NP2:ϕ_s271.26000°,δ14.26000° ,λ105.36000°. Principal axes: T Plg58.5700°,Azm340.2100°; N Plg3.7410°,Azm76.3520° ; P Plg31.1560°,Azm168.6170° $M_0$6.96365×10^{21}
TAP C.
IDC Error ellipse: s-maj=102.5km s-min=26.5km az=172.0.
ISC II 02 12 44 59.9–1.1 24.77N–.02 122.35E–.02 8–8 3.8b 180 0-59
IDC II 02 12 44 59.4–1.6 24.09N 120.41E 0 3.7,3.7b **¶610414674**
ASIES II 02 12 45 00.8 24.79N 122.27E 14 3.6L,3.3W
TAP II 02 12 45 00.8 24.79N 122.27E 14–0 3.6L,3.3W
JMA II 02 12 45 01.2–.07 24.7N–.50 122.3E–.20 47–1 2.6,3.3W
ISC Event type ke.
ASIES Moment Tensor Solution. Moment tensor: Scale 10^{20}Nm; M_{rr}-6.15 $M_{\theta\theta}$9.18 $M_{\phi\phi}$-3.03 $M_{r\theta}$-6.81 $M_{\theta\phi}$2.10 $M_{\phi r}$-5.11 NP1:ϕ_s57.17000°,δ71.13000°,λ-113.08000°. NP2:ϕ_s289.97000° ,δ29.48000°,λ-41.09000°. Principal axes: T Plg22.7580°,Azm164.6650°; N Plg21.7710° ,Azm65.0200°; P Plg57.5930°,Azm296.0310° $M_0$11.93920×10^{20}
TAP C.
JMA Event type ke. TAIWAN REGION .
ISC II 02 14 08 10.5–1.0 24.87N–.02 122.38E–.02 18–7 118 0-2
TAP II 02 14 08 10.6 24.90N 122.35E 13–0 2.9L **¶614123601**
JMA II 02 14 08 10.9–.06 24.8N–.50 122.4E–.20 23–1 2.6
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
TAP II 03 00 35 52.6 21.78N 121.04E 20–1 2.8L
¶616203815
TAP D.
ISC II 03 10 48 19.4–1.5 24.45N–.06 122.90E–.03 96–8 93 0-2
TAP II 03 10 48 19.9 24.43N 122.85E 91–1 2.8L **¶614124247**
JMA II 03 10 48 19.4–.29 24N–4.0 122.9E–.90 95–2 2.3
ISC Event type ke.
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
TAP II 04 02 05 51.0 23.96N 122.53E 21–1 2.2L
¶614124898
TAP D.
TAP II 04 02 43 46.1 22.90N 121.34E 23–0 3.1L
¶612488634
TAP B.
ISC II 05 07 00 22.2–1.3 24.59N–.04 122.60E–.02 102–7 200 0-4
TAP II 05 07 00 22.1 24.64N 122.62E 101–0 3.6L **¶612488650**
JMA II 05 07 00 22.2–.18 25N–2.0 122.6E–.50 99–1 2.8
ISC Event type ke.
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC II 05 18 18 07.3–2.7 25.5N–.10 122.56E–.04 233–15 92 1-3
TAP II 05 18 18 05.3 25.69N 122.85E 223–1 3.2L **¶614126541**
JMA II 05 18 18 08.0–.25 26N–2.0 122.5E–.80 219 2.9
ISC Event type ke.
TAP D.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC II 05 21 28 03.1–1.3 24.71N–.03 122.03E–.02 72–5 174 0-3
TAP II 05 21 28 02.3 24.72N 122.04E 75–0 3.7L **¶612488661**
JMA II 05 21 28 02.0–.08 24.7N–.20 122.0E–.20 78–0 3.1
ISC Event type ke.
TAP B.
JMA Event type ke. TAIWAN REGION .
ISC II 07 16 19 07.9–1.0 23.75N–.02 122.48E–.02 15–8 166 0-3
JMA II 07 16 19 10.7–.18 24N–1.0 122.4E–.50 50 2.5 **¶614446784**
TAP II 07 16 19 10.7 23.81N 122.52E 35–0 3.0L
ISC Event type ke.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
TAP D.
ISC II 07 20 31 41.5–.92 24.21N–.03 122.80E–.02 16–7 148 0-3
JMA II 07 20 31 41.8–.16 24N–1.0 122.8E–.50 17–2 2.5 **¶614128348**
TAP II 07 20 31 41.5 24.21N 122.81E 11–0 3.0L
ISC Event type ke.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
TAP D.
ISC II 07 22 54 10.8–1.4 24.88N–.04 122.04E–.03 103–6 168 0-3
TAP II 07 22 54 09.9 24.87N 122.10E 106–0 3.7L **¶612488682**
JMA II 07 22 54 10.3–.20 24.8N–.60 122.0E–.40 104–2 3.0
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
ISC II 09 21 03 32.5–1.2 24.81N–.02 122.17E–.03 7–9 116 0-2
TAP II 09 21 03 33.0 24.79N 122.09E 1–0 2.6L **¶612488698**
ISC Event type ke.
TAP D.
ISC II 10 22 32 44.4–2.2 21.44N–.07 119.88E–.06 30–15 3.3b 80 1-47
IDC II 10 22 32 45.8–1.7 20.92N 120.40E 0 3.4,3.4b **¶610415262**
TAP II 10 22 32 45.5 21.52N 120.02E 77–0 3.3L,3.4b
ISC Event type ke.
IDC Error ellipse: s-maj=161.2km s-min=23.8km az=65.0.
TAP D.
ISC II 11 03 29 22.5–1.2 22.64N–.03 122.83E–.03 10–10 187 1-3
JMA II 11 03 29 27.5–.51 23N–2.0 123E–1.0 65 2.8 **¶612488712**
TAP II 11 03 29 28.5 22.59N 122.71E 52–1 3.6L
ISC Event type ke.
JMA Event type ke. FAR S OFF ISHIGAKIJIMA .
TAP D.
ISC II 11 04 24 50.1–2.0 25.08N–.07 122.27E–.04 180–11 117 0-3
TAP II 11 04 24 48.1 25.11N 122.25E 198–1 4.0L **¶612488713**
JMA II 11 04 24 49.7–.21 25N–2.0 122.3E–.60 178–2 3.5
ISC Event type ke.
TAP B.
JMA Event type ke. TAIWAN REGION .
ISC II 11 18 30 09.3–1.1 21.85N–.04 121.38E–.02 31–8 3.6b 237 0-47
IDC II 11 18 30 04.4–4.6 21.70N 121.91E 0 3.5,3.5b **¶610415330**
JMA II 11 18 30 08.7–.79 22N–3.0 122E–2.0 4 4.3,3.5b
TAP II 11 18 30 09.4 21.86N 121.40E 33–0 3.5L,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=338.1km s-min=29.0km az=60.0.
JMA Event type ke. TAIWAN REGION .
TAP D.
ISC II 11 23 21 09.9–.98 22.56N–.02 121.69E–.02 15–7 3.5b 203 0-47
IDC II 11 23 21 08.2–1.7 22.32N 121.51E 0 3.6,3.6b **¶610415340**
ASIES II 11 23 21 10.9 22.55N 121.64E 24 3.6L,3.4W
JMA II 11 23 21 10.5–.57 23N–2.0 122E–2.0 0 3.6,3.4W
TAP II 11 23 21 10.9 22.55N 121.64E 24–0 3.6L,3.4W
ISC Event type ke.
IDC Error ellipse: s-maj=75.2km s-min=27.9km az=69.0.
ASIES Moment Tensor Solution. Moment tensor: Scale 10^{21}Nm; M_{rr}1.52 $M_{\theta\theta}$-0.04 $M_{\phi\phi}$-1.56 $M_{r\theta}$0.77 $M_{\theta\phi}$-0.26 $M_{\phi r}$0.51 NP1:ϕ_s29.27000°,δ59.24000°,λ111.38000°. NP2:ϕ_s171.84000°,δ36.86000° ,λ58.51000°. Principal axes: T Plg68.0420°,Azm342.8740°; N Plg18.2600°,Azm197.9500° ; P Plg11.7740°,Azm104.0060° $M_0$1.81517×10^{21}
JMA Event type ke. TAIWAN REGION .
TAP C.
ISC II 12 02 15 27.5–1.0 24.04N–.04 122.63E–.02 30–11 66 0-2
JMA II 12 02 15 27.5–.17 24N–2.0 122.6E–.50 35–4 2.2 **¶614131805**
TAP II 12 02 15 27.4 24.04N 122.66E 31–0 2.8L
ISC Event type ke.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
TAP C.
ISC II 12 09 54 42.1–1.5 25.10N–.05 122.30E–.03 157–8 164 0-3
TAP II 12 09 54 42.3 25.13N 122.32E 154–0 3.6L **¶614132055**
JMA II 12 09 54 42.1–.22 25N–2.0 122.3E–.60 162–2 2.9
ISC Event type ke.
TAP D.
JMA Event type ke. TAIWAN REGION .
TAP II 13 20 26 12.2 24.30N 122.29E 69–1 2.3L
¶614447512
TAP B.
ISC II 14 00 22 17.6–1.2 24.07N–.03 122.46E–.02 58–7 134 0-2
TAP II 14 00 22 17.4 24.10N 122.47E 60–0 3.3L **¶612488736**
JMA II 14 00 22 17.5–.15 24N–2.0 122.5E–.40 57–3 2.2
ISC Event type ke.
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC II 14 06 54 33.3–1.1 22.60N–.02 121.72E–.02 1–7 4.4b,3.9s 309 0-84
IDC II 14 06 54 32.0–.85 22.39N 121.56E 0 4.3L,4.0 **¶610209098**
ASIES II 14 06 54 35.4 22.57N 121.63E 12 4.3L,3.9W
TAP II 14 06 54 35.4 22.57N 121.63E 12–0 4.3L,3.9W
NIED II 14 06 54 35.4 22.79N 121.78E 0 4.0W,3.9W
JMA II 14 06 54 35.4–.32 23N–1.0 121.8E–.90 0 4.4,3.9W
NEIC II 14 06 54 36.3–2.1 22.71N–.01 121.64E–.05 10–1 4.7b,3.9W
ISC Event type ke.
ASIES Moment Tensor Solution. Moment tensor: Scale 10^{21}Nm; M_{rr}7.00 $M_{\theta\theta}$2.11 $M_{\phi\phi}$-8.53 $M_{r\theta}$2.41 $M_{\theta\phi}$-1.11 $M_{\phi r}$0.07 NP1:ϕ_s26.76000°,δ50.35000°,λ119.82000°. NP2:ϕ_s164.82000°,δ48.09000° ,λ59.04000°. Principal axes: T Plg67.4540°,Azm3.2470°; N Plg22.5100°,Azm186.6570° ; P Plg1.2070°,Azm96.1560° $M_0$8.37606×10^{21}
TAP C.
NIED Moment Tensor Solution. s2 Moment tensor: Scale 10^{15}Nm; M_{rr}0.45 $M_{\theta\theta}$-1.21 $M_{\phi\phi}$0.76 $M_{r\theta}$-0.50 $M_{\theta\phi}$0.24 $M_{\phi r}$-0.47 NP1:ϕ_s239.00000°,δ75.00000°,λ39.00000°. NP2:ϕ_s137.00000° ,δ52.00000°,λ161.00000°. $M_0$1.28000×10^{15}
JMA Event type se. TAIWAN REGION .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 14 07 13 03.6–.98 24.75N–.02 122.17E–.02 8–8 3.5b,3.3s 190 0-86
ASIES II 14 07 13 03.8 24.81N 122.14E 9 3.8L,3.6W **¶614447555**
TAP II 14 07 13 03.8 24.81N 122.14E 9–0 3.8L,3.6W
IDC II 14 07 13 03.0–1.5 24.30N 120.86E 0 3.7L,3.6
NIED II 14 07 13 04.2 24.74N 122.15E 50 3.8W,3.6
JMA II 14 07 13 04.2–.10 24.7N–.30 122.2E–.20 50–2 3.5,3.6

ISC Event type ke.
ASIES Moment Tensor Solution. Moment tensor: Scale 10^21Nm; Mrr-1.70 Mθθ3.19 Mφφ-1.49 Mrθ0.63 Mθφ-0.21 Mφr1.47 NP1:φs238.51000°,δ64.46000°,λ-137.64000°. NP2:φs127.05000° ,δ52.56000°,λ-32.89000°. Principal axes: T Plg7.1810°,Azm0.2900°; N Plg41.8150° ,Azm263.8190°; P Plg47.2860°,Azm98.1330° M0 3.20204×10^21
TAP C.
NIED Moment Tensor Solution. s2 Moment tensor: Scale 10^14Nm; Mrr-5.85 Mθθ6.97 Mφφ-1.11 Mrθ-0.41 Mθφ0.79 Mφr1.28 NP1:φs99.00000°,δ48.00000°,λ-70.00000°. NP2:φs250.00000° ,δ46.00000°,λ-111.00000°. M0 6.63000×10^14
JMA Event type ke. TAIWAN REGION .
TAP II 14 12 53 41.0 24.88N 122.03E 103–0 2.8L ¶616173872
TAP C.
ISC II 15 06 58 23.7–.91 24.78N–.03 122.15E–.02 14–7 81 0-2
TAP II 15 06 58 23.6 24.80N 122.15E 9–1 2.7L **¶614134516**
JMA II 15 06 58 25.2–.13 24.7N–.30 122.1E–.20 44–3 2.7L
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
ISC II 16 03 50 19.8–1.6 24.47N–.06 122.88E–.03 101–10 72 0-2
TAP II 16 03 50 20.7 24.51N 122.88E 90–0 3.0L **¶614135266**
JMA II 16 03 50 20.4–.27 25N–3.0 122.9E–.80 94–1 2.2
ISC Event type ke.
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC II 16 05 09 01.7–1.0 22.51N–.02 121.70E–.03 17–8 139 0-4
JMA II 16 05 09 03.5–.43 23N–2.0 122E–1.0 34 3.6 **¶614447860**
TAP II 16 05 09 03.3 22.56N 121.63E 11–0 3.4L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP C.
ISC II 16 23 27 36.5–1.2 24.33N–.05 122.98E–.03 47–7 86 0-2
JMA II 16 23 27 36.6–.11 24N–2.0 123.0E–.50 48–1 2.2 **¶614136020**
TAP II 16 23 27 37.0 24.35N 122.89E 41–1 2.6L
ISC Event type ke.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
TAP C.
ISC II 17 13 35 00.9–1.3 24.36N–.05 122.89E–.02 65–7 92 0-2
TAP II 17 13 35 00.8 24.41N 122.88E 62–0 2.5L **¶614136367**
JMA II 17 13 35 00.7–.12 24N–2.0 122.9E–.50 64–0 2.0
ISC Event type ke.
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC II 17 14 20 32.6–.95 24.64N–.02 122.62E–.02 19–3 3.9b 228 0-57
IDC II 17 14 20 30.2–1.0 24.64N 122.37E 0 3.8s,3.8 **¶610415701**
ASIES II 17 14 20 32.2 24.69N 122.64E 20 4.0L,3.7W
TAP II 17 14 20 32.2 24.69N 122.64E 20–0 4.0L,3.7W
JMA II 17 14 20 32.7–.07 24.6N–.80 122.6E–.30 24–0 3.6,3.7W
ISC Event type ke.
ASIES Moment Tensor Solution. Moment tensor: Scale 10^21Nm; Mrr-2.45 Mθθ4.85 Mφφ-2.40 Mrθ-1.38 Mθφ-0.01 Mφr-2.18 NP1:φs55.74000°,δ68.04000°,λ-135.67000°. NP2:φs305.66000° ,δ49.60000°,λ-29.42000°. Principal axes: T Plg11.1730°,Azm176.7710°; N Plg41.5540° ,Azm76.6870°; P Plg46.2860°,Azm278.6940° M0 4.92705×10^21
TAP D.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC II 17 14 28 58.0–.98 23.96N–.02 122.56E–.02 29–10 118 0-3
JMA II 17 14 28 58.6–.11 24.0N–.70 122.6E–.40 34 2.2 **¶612488779**
TAP II 17 14 28 58.8 23.99N 122.59E 33–0 2.7L
ISC Event type ke.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
TAP B.
ISC II 17 17 44 46.1–.94 23.97N–.03 122.48E–.02 28–7 122 0-2
TAP II 17 17 44 45.9 23.97N 122.46E 22–0 2.7L **¶614448051**
JMA II 17 17 44 46.2–.20 24N–1.0 122.5E–.40 20–2 2.2
ISC Event type ke.
TAP D.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC II 18 12 27 36.9–1.0 22.41N–.02 121.43E–.02 11–7 4.1b 293 0-85
NIED II 18 12 27 37.1 22.64N 121.45E 0 4.3W **¶610247251**
JMA II 18 12 27 37.1–.38 23N–1.0 121E–1.0 0 4.5
TAP II 18 12 27 39.4 22.55N 121.34E 20–0 4.6L
ASIES II 18 12 27 39.4 22.55N 121.34E 20 4.6L,4.2W
IDC II 18 12 27 41.5–3.2 22.53N 121.60E 46–32 4.1,3.9b
MAN II 18 12 27 42.4 22.21N 120.98E 19 5.2b,4.3s
ISC Event type ke.
NIED Moment Tensor Solution. s2 Moment tensor: Scale 10^15Nm; Mrr1.36 Mθθ0.30 Mφφ-1.67 Mrθ2.09 Mθφ0.38 Mφr-1.69 NP1:φs137.00000°,δ77.00000°,λ71.00000°. NP2:φs14.00000° ,δ23.00000°,λ145.00000°. M0 3.11000×10^15
JMA Event type ke. TAIWAN REGION .
TAP C.
ASIES Moment Tensor Solution. Moment tensor: Scale 10^22Nm; Mrr2.79 Mθθ-0.15 Mφφ-1.22 Mrθ0.57 Mθφ0.99 Mφr-1.24 NP1:φs152.36000°,δ60.35000°,λ93.13000°. NP2:φs326.06000°,δ29.80000° ,λ84.53000°. Principal axes: T Plg74.4540°,Azm70.6260°; N Plg2.7150°,Azm330.8100° ; P Plg15.2950°,Azm240.0670° M0 2.73556×10^22
IDC Error ellipse: s-maj=21.8km s-min=17.3km az=71.0.
ISC II 19 03 17 25.7–1.6 24.77N–.05 122.96E–.03 136–8 132 0-3
TAP II 19 03 17 25.2 24.81N 122.96E 138–0 3.4L **¶614137500**
JMA II 19 03 17 25.9–.35 25N–4.0 122.9E–1.0 131–3 2.6
ISC Event type ke.
TAP D.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC II 19 14 02 17.6–1.2 24.83N–.03 122.23E–.02 7–10 100 0-2
TAP II 19 14 02 19.1 24.80N 122.17E 8–0 2.8L **¶614137897**
JMA II 19 14 02 20.5–.12 24.7N–.30 122.1E–.20 47–3 2.2
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
ISC II 19 14 34 37.7–1.0 24.76N–.02 122.23E–.02 10–8 97 0-2
TAP II 19 14 34 38.7 24.80N 122.16E 9–0 2.6L **¶614137917**
JMA II 19 14 34 39.6–.07 24.6N–.40 122.2E–.20 0 2.6L
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
ISC II 20 06 22 24.7–1.4 24.72N–.05 122.35E–.03 78–8 90 0-3
JMA II 20 06 22 24.7–.11 24.7N–1.0 122.4E–.40 73–1 2.3 **¶614138412**
TAP II 20 06 22 25.0 24.71N 122.30E 78–0 3.0L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP C.
ISC II 20 06 44 45.4–1.0 24.65N–.05 122.65E–.02 25–10 54 0-2
TAP II 20 06 44 45.4 24.68N 122.66E 24–1 2.8L **¶614138427**
JMA II 20 06 44 45.8–.07 24.6N–.70 122.7E–.20 27–0 1.8
ISC Event type ke.
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC II 20 15 44 27.2–.92 24.64N–.03 122.61E–.02 16–8 88 0-2
TAP II 20 15 44 26.8 24.64N 122.61E 14–1 2.7L **¶614138706**
JMA II 20 15 44 27.3–.04 24.7N–.40 122.6E–.10 15–0 1.9
ISC Event type ke.
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC II 21 04 43 17.2–.53 25.39N–.04 122.23E–.03 266–4 4.0b 255 0-81
BJI II 21 04 43 16.3–.00 25.53N 122.44E 277 4.6b,4.3b **¶610243824**
NEIC II 21 04 43 17.5–1.1 25.43N–.07 122.24E–.06 263–5 4.1b,4.3b
TAP II 21 04 43 17.6 25.48N 122.25E 270–0 4.7L,4.3b
IDC II 21 04 43 17.0–2.0 25.42N 122.17E 263–21 4.2,3.6b
JMA II 21 04 43 19.9–.22 25N–2.0 122.2E–.70 249–2 4.7,3.6b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TAP C.
JMA Event type ke. TAIWAN REGION .
ISC II 22 09 16 43.6–1.6 22.81N–.03 122.31E–.06 18–4 87 1-2
TAP II 22 09 16 47.0 22.77N 122.26E 43–1 3.1L **¶612488854**
ISC Event type ke.
TAP D.
ISC II 22 14 32 03.5–1.3 24.96N–.06 122.73E–.04 22–9 65 1-3
JMA II 22 14 32 03.1–.13 25.0N–.50 122.7E–.50 19–1 **¶614140202**
TAP II 22 14 32 03.4 24.94N 122.79E 37–1 2.6L
ISC Event type ke.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
TAP D.
ISC II 22 14 38 21.9–1.1 24.89N–.03 122.65E–.02 25–11 123 1-3
JMA II 22 14 38 21.4–.11 25.0N–.80 122.7E–.30 34–1 2.3 **¶612488857**
TAP II 22 14 38 21.9 24.85N 122.61E 16–1 2.9L
ISC Event type ke.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
TAP D.
ISC II 24 04 05 15.9–.80 24.86N–.03 122.03E–.02 111–4 3.4b 232 0-50
TAP II 24 04 05 16.9 24.83N 122.02E 102–0 4.0L **¶610384917**
JMA II 24 04 05 16.8–.17 24.8N–.60 122.0E–.40 101–1 2.9
IDC II 24 04 05 18.8–9.5 25.00N 122.33E 134–105 3.5,3.1b
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
IDC Error ellipse: s-maj=82.5km s-min=18.9km az=60.0.
ISC II 24 15 22 22.8–1.2 24.01N–.03 122.35E–.02 43–8 137 0-2
JMA II 24 15 22 21.7–.13 24N–1.0 122.3E–.30 43–3 2.2 **¶614141673**
TAP II 24 15 22 22.9 24.09N 122.30E 49–0 2.6L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP D.
ISC II 24 17 15 10.9–1.5 24.77N–.05 122.45E–.03 125–8 153 0-3
TAP II 24 17 15 10.7 24.80N 122.44E 126–0 3.3L **¶614141725**
JMA II 24 17 15 11.0–.13 24.7N–1.0 122.5E–.30 123–1 2.4
ISC Event type ke.
TAP D.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC II 25 10 36 11.9–1.2 24.51N–.03 122.41E–.02 59–7 165 0-3
JMA II 25 10 36 10.7–.12 24.5N–.80 122.4E–.30 69–1 2.6 **¶612488894**
TAP II 25 10 36 11.5 24.54N 122.38E 63–0 3.2L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP C.
ISC II 27 03 12 23.0–.90 22.81N–.02 121.32E–.03 12–6 98 0-3
JMA II 27 03 12 20.8–.46 23N–2.0 121E–2.0 7 **¶612488920**
TAP II 27 03 12 23.2 22.84N 121.26E 6–0 2.8L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP C.
ISC II 27 16 18 30.7–.35 24.15N–.02 122.91E–.02 47–3 4.8b,3.7s 917 0-178
IDC II 27 16 18 24.4–.45 24.30N 122.92E 0 4.4b,4.3 **¶610241631**
MOS II 27 16 18 30.8–1.1 24.29N 122.97E 65 4.9b,4.3
NEIC II 27 16 18 30.9–1.2 24.25N–.06 122.88E–.03 44–5 4.9b,4.3
ASIES II 27 16 18 30.6 24.20N 122.94E 48 5.2L,4.5W
JMA II 27 16 18 30.9–.10 24N–1.0 122.9E–.50 50–1 4.8,4.7
BJI II 27 16 18 30.3–.00 24.15N 122.75E 40 4.5b,4.3L
NIED II 27 16 18 30.9 24.23N 122.88E 50 4.5W,4.3L
TAP II 27 16 18 30.6 24.20N 122.94E 48–0 5.2L,4.3L
ISC Event type ke. Moment Tensor Solution. NP1:φs205.78055°,δ82.53247°,λ153.37029°. NP2: φs299.50900°,δ63.61369°,λ8.34185°. Principal axes: T Plg23.9633°,Azm159.5470° ; N Plg62.4169°,Azm11.2494°; P Plg12.8474°,Azm255.3649°
IDC Error ellipse: s-maj=13.4km s-min=11.4km az=87.0.
MOS Error ellipse: s-maj=10.1km s-min=6.3km az=88.7.
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=2.2km az=158.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ASIES Moment Tensor Solution. Moment tensor: Scale 10^22Nm; Mrr5.02 Mθθ0.00 Mφφ-5.22 Mrθ-1.31 Mθφ2.12 Mφr-2.41 NP1:φs180.20000°,δ57.67000°,λ113.85000°. NP2:φs320.61000° ,δ39.39000°,λ57.42000°. Principal axes: T Plg67.6080°,Azm138.8410°; N Plg19.9810° ,Azm346.8940°; P Plg9.6930°,Azm253.3330° M0 6.17915×10^22
JMA Event type fe. NW OFF ISHIGAKIJIMA IS .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^15Nm; Mrr0.14 Mθθ4.73 Mφφ-4.86 Mrθ0.91 Mθφ2.00 Mφr-3.18 NP1:φs301.00000°,δ75.00000°,λ-21.00000°. NP2:φs37.00000° ,δ70.00000°,λ-164.00000°. M0 5.98000×10^15
TAP C.
ISC II 28 07 23 34.9–.99 24.87N–.03 122.25E–.03 13–10 57 0-2
TAP II 28 07 23 34.6 24.90N 122.24E 12–0 3.0L **¶614144975**
JMA II 28 07 23 35.8–.08 24.8N–.70 122.3E–.30 19 2.6
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
ISC II 28 09 44 47.0–1.1 23.96N–.03 122.41E–.02 18–3 112 0-2
TAP II 28 09 44 47.5 24.02N 122.43E 23–0 2.6L **¶614145083**
JMA II 28 09 44 48.3–.08 24N–1.0 122.4E–.40 41 1.9
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
TAP III 01 23 08 07.8 24.86N 122.08E 7–0 2.2L ¶614146612
TAP D.
ISC III 02 22 30 24.9–1.2 24.11N–.03 122.52E–.02 42–9 124 0-2
JMA III 02 22 30 24.4–.08 24N–2.0 122.5E–.30 50–1 2.1 **¶614147391**
TAP III 02 22 30 24.1 24.09N 122.53E 46–0 2.8L
ISC Event type ke.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
TAP C.
ISC III 03 16 33 38.1–1.6 24.57N–.05 122.71E–.03 109–9 119 0-2
TAP III 03 16 33 36.8 24.59N 122.80E 121–0 3.0L **¶614147939**
JMA III 03 16 33 38.2–.19 25N–2.0 122.7E–.60 105–1 2.2
ISC Event type ke.
TAP D.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC III 03 19 21 50.5–1.3 24.05N–.05 122.88E–.02 15–10 64 0-2
TAP III 03 19 21 51.7 24.14N 122.87E 17–0 2.7L **¶614148064**
JMA III 03 19 21 51.8–.11 24.2N–.90 122.9E–.40 25–2 2.7
ISC Event type ke.
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC III 04 04 04 32.3–1.2 24.02N–.03 122.87E–.02 50 148 0-3
JMA III 04 04 04 31.9–.14 24N–2.0 122.8E–.50 63–2 2.0 **¶614148332**
TAP III 04 04 04 32.1 24.15N 122.86E 53–0 2.9L
ISC Event type ke.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
TAP C.
ISC III 04 06 59 38.5–1.3 21.60N–.03 122.26E–.03 7–10 3.3b 88 1-50
IDC III 04 06 59 38.2–1.4 21.11N 121.99E 0 3.8L,3.4 **¶610470904**
TAP III 04 06 59 40.6 21.59N 122.20E 20–1 3.6L,3.4
ASIES III 04 06 59 40.6 21.59N 122.20E 20 3.6L,3.5W
JMA III 04 06 59 44.6–.47 22N–2.0 122E–1.0 61 3.9,3.5W
NIED III 04 06 59 44.6 21.63N 121.90E 61 3.9W,3.5W
MAN III 04 06 59 46.7 21.07N 121.62E 3 4.6b,3.4L
ISC Event type ke.
IDC Error ellipse: s-maj=77.3km s-min=24.0km az=69.0.
TAP D.
ASIES Moment Tensor Solution. Moment tensor: Scale 10^21Nm; Mrr-1.46 Mθθ0.93 Mφφ0.53 Mrθ0.67 Mθφ-1.50 Mφr1.46 NP1:φs164.48000°,δ63.47000°,λ-47.48000°. NP2:φs280.46000° ,δ48.74000°,λ-143.54000°. Principal axes: T Plg8.6520°,Azm225.5770°; N Plg37.1990° ,Azm322.2100°; P Plg51.4620°,Azm124.5630° M0 2.54477×10^21
JMA Event type ke. TAIWAN REGION .
NIED Moment Tensor Solution. s2 Moment tensor: Scale 10^14Nm; Mrr7.22 Mθθ-4.12 Mφφ-3.10 Mrθ4.37 Mθφ0.67 Mφr5.07 NP1:φs48.00000°,δ71.00000°,λ84.00000°. NP2:φs245.00000° ,δ20.00000°,λ106.00000°. M0 8.41000×10^14

ISC III 06 00 55 38.4–.68 24.64N–.03 122.78E–.02 111–5 3.5b 228 0-82
IDC III 06 00 55 34.6–4.5 24.69N 122.63E 71–41 3.8,3.6L **¶610545619**
JMA III 06 00 55 39.6–.16 25N–2.0 122.7E–.50 109–1 3.5,3.6L
TAP III 06 00 55 40.1 24.66N 122.76E 106–0 4.4L,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=31.0km s-min=21.7km az=58.0.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
TAP B.
ISC III 06 07 15 52.4–1.4 21.53N–.03 121.91E–.07 17–9 3.4b 42 1-43
IDC III 06 07 15 51.8–1.6 21.35N 121.73E 0 3.6,3.5b **¶610545633**
TAP III 06 07 15 53.1 21.59N 121.89E 44–1 3.4L,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=77.5km s-min=26.9km az=68.0.
TAP D.
ISC III 07 01 39 46.8–.82 24.25N–.02 122.13E–.02 30–6 3.5b 292 0-83
IDC III 07 01 39 42.0–1.2 24.31N 122.20E 0 3.5,3.5b **¶610470926**
ASIES III 07 01 39 46.8 24.28N 122.06E 35 4.3L,3.7W
TAP III 07 01 39 46.8 24.28N 122.06E 35–0 4.3L,3.7W
NIED III 07 01 39 47.1 24.18N 122.10E 44 3.8W,3.7W
JMA III 07 01 39 47.1–.18 24N–1.0 122.1E–.50 44–3 3.7,3.7W
ISC Event type ke.
ASIES Moment Tensor Solution. Moment tensor: Scale 10^{21}Nm; M_{rr}-2.08 $M_{\theta\theta}$-1.42 $M_{\phi\phi}$3.50 $M_{r\theta}$3.32 $M_{\theta\phi}$2.25 $M_{\phi r}$0.92 NP1:ϕ_s237.47000°,δ73.76000°,λ-49.38000°. NP2:ϕ_s345.53000°,δ43.22000° ,λ-155.89000°. Principal axes: T Plg18.5110°,Azm298.4230°; N Plg38.6870°,Azm43.9750° ; P Plg45.4870°,Azm188.5130° $M_0$5.12028×10^{21}
TAP B.
NIED Moment Tensor Solution. s2 Moment tensor: Scale 10^{14}Nm; M_{rr}2.27 $M_{\theta\theta}$-6.94 $M_{\phi\phi}$4.67 $M_{r\theta}$-1.45 $M_{\theta\phi}$0.94 $M_{\phi r}$1.45 NP1:ϕ_s316.00000°,δ80.00000°,λ155.00000°. NP2:ϕ_s51.00000° ,δ66.00000°,λ11.00000°. $M_0$6.32000×10^{14}
JMA Event type ke. TAIWAN REGION .
ISC III 07 09 50 46.8–1.2 22.40N–.03 121.10E–.02 45–7 187 0-5
TAP III 07 09 50 46.0 22.40N 121.07E 50–0 3.9L **¶614151519**
JMA III 07 09 50 46.1–.44 22N–1.0 121E–1.0 18 3.9
ISC Event type ke.
TAP B.
JMA Event type ke. TAIWAN REGION .
ISC III 07 11 42 21.3–1.6 21.74N–.06 122.23E–.03 7–11 96 1-4
TAP III 07 11 42 25.1 21.56N 122.10E 41–1 3.0L **¶614151571**
JMA III 07 11 42 28.8–.48 22N–2.0 122E–1.0 131 2.7
ISC Event type ke.
TAP D.
JMA Event type ke. TAIWAN REGION .
ISC III 07 22 10 51.1–.37 24.32N–.02 122.16E–.02 55–3 4.8b,3.8s 933 0-148
BJI III 07 22 10 49.1–.00 24.41N 121.95E 12 4.6b,4.6b **¶610273072**
MOS III 07 22 10 50.6–.79 24.38N 122.26E 66 5.0b,4.6b
NEIC III 07 22 10 51.8–1.4 24.31N–.05 122.18E–.04 58–5 4.9b,4.6
NEIC III 07 22 10 51.8 24.31N 122.18E 58 4.9b,4.6
NIED III 07 22 10 51.4 24.27N 122.14E 60 4.6W,4.6
JMA III 07 22 10 51.4–.14 24.3N–.70 122.1E–.30 60–1 4.8,4.7
TAP III 07 22 10 51.6 24.31N 122.10E 60–0 5.3L,4.7
ASIES III 07 22 10 51.6 24.31N 122.10E 60 5.3L,4.6W
IDC III 07 22 10 52.7–1.7 24.45N 122.26E 66–15 4.6,4.3b
ISC Event type ke. Moment Tensor Solution. NP1:ϕ_s44.65169°,δ81.67613°,λ121.90985°. NP2: ϕ_s147.73994°,δ32.86639°,λ15.47186°. Principal axes: T Plg44.1303°,Azm346.0336° ; N Plg31.5348°,Azm219.5007°; P Plg29.4431°,Azm109.2349°
MOS Error ellipse: s-maj=7.3km s-min=4.3km az=118.8.
NEIC Event type se. Error ellipse: s-maj=7.5km s-min=5.1km az=187.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.66 $M_{\theta\theta}$-0.05 $M_{\phi\phi}$-0.61 $M_{r\theta}$0.60 $M_{\theta\phi}$-0.27 $M_{\phi r}$0.50 NP1:ϕ_s183.20000°,δ24.83000°,λ53.67000°. NP2:ϕ_s42.22000°,δ70.23000° ,λ105.33000°. Principal axes: T 1.0624,Plg62.0000°,Azm335.0000°; N -0.0391,Plg14.0000° ,Azm217.0000°; P -1.0233,Plg24.0000°,Azm120.0000° $M_0$1.04000×10^{16}
NEIC Event type se.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}0.79 $M_{\theta\theta}$-0.33 $M_{\phi\phi}$-0.46 $M_{r\theta}$0.70 $M_{\theta\phi}$-0.21 $M_{\phi r}$0.35 NP1:ϕ_s56.00000°,δ69.00000°,λ99.00000°. NP2:ϕ_s212.00000° ,δ22.00000°,λ68.00000°. $M_0$1.04000×10^{16}
JMA Event type fe. TAIWAN REGION .
TAP B.
ASIES Moment Tensor Solution. Moment tensor: Scale 10^{22}Nm; M_{rr}5.91 $M_{\theta\theta}$-1.56 $M_{\phi\phi}$-4.36 $M_{r\theta}$5.74 $M_{\theta\phi}$-1.05 $M_{\phi r}$6.60 NP1:ϕ_s37.22000°,δ74.74000°,λ96.67000°. NP2:ϕ_s193.27000°,δ16.62000° ,λ66.95000°. Principal axes: T Plg59.7310°,Azm316.5860°; N Plg6.4300°,Azm215.4520° ; P Plg29.4370°,Azm121.8060° $M_0$10.28960×10^{22}
IDC Error ellipse: s-maj=12.8km s-min=9.5km az=57.0.
ISC III 08 15 20 12.6–1.0 24.74N–.02 122.23E–.02 9–9 73 0-1
JMA III 08 15 20 12.2–.06 24.7N–.40 122.2E–.20 0 **¶614450151**
TAP III 08 15 20 12.8 24.73N 122.17E 4–0 2.8L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP C.
ISC III 08 18 35 41.1–1.3 21.45N–.02 122.23E–.03 1–10 174 1-6
TAP III 08 18 35 47.0 21.55N 122.27E 48–0 3.7L **¶614152604**
MAN III 08 18 35 50.0 21.10N 122.22E 24 4.5b,3.3L
JMA III 08 18 35 49.5–.62 22N–3.0 122E–2.0 58 3.8,3.3L
ISC Event type ke.
TAP D.
JMA Event type ke. TAIWAN REGION .
ISC III 09 02 10 37.4–1.3 24.25N–.03 122.39E–.02 65–8 108 0-2
TAP III 09 02 10 37.0 24.23N 122.37E 67–1 3.0L **¶614152895**
JMA III 09 02 10 37.2–.14 24N–2.0 122.4E–.70 60 2.0
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
ISC III 09 13 32 12.6–1.3 24.89N–.03 122.08E–.02 104–6 198 0-3
TAP III 09 13 32 12.1 24.89N 122.11E 105–0 3.8L **¶614153194**
JMA III 09 13 32 12.0–.13 24.9N–.50 122.1E–.30 105–1 2.8
ISC Event type ke.
TAP B.
JMA Event type ke. TAIWAN REGION .
ISC III 10 16 48 48.5–.98 24.79N–.02 122.30E–.02 11–7 3.7b 282 0-82
ASIES III 10 16 48 49.5 24.77N 122.21E 12 4.2L,4.1W **¶610470941**
NIED III 10 16 48 50.0 24.70N 122.25E 39 4.0W,4.1W
TAP III 10 16 48 49.5 24.77N 122.21E 12–0 4.2L,4.1W
JMA III 10 16 48 50.0–.08 24.7N–.50 122.3E–.20 39–3 3.5,4.1W
IDC III 10 16 48 55.9–3.7 24.72N 122.44E 69–37 3.7,3.4b
ISC Event type ke.
ASIES Moment Tensor Solution. Moment tensor: Scale 10^{22}Nm; M_{rr}-0.71 $M_{\theta\theta}$0.25 $M_{\phi\phi}$-0.48 $M_{r\theta}$1.43 $M_{\theta\phi}$0.03 $M_{\phi r}$0.08 NP1:ϕ_s266.80000°,δ80.71000°,λ-90.58000°. NP2:ϕ_s90.40000°,δ9.30000° ,λ-86.45000°. Principal axes: T Plg35.7150°,Azm357.3090°; N Plg0.5730°,Azm266.8970° ; P Plg54.2780°,Azm176.0990° $M_0$1.56250×10^{22}
NIED Moment Tensor Solution. s2 Moment tensor: Scale 10^{14}Nm; M_{rr}-5.41 $M_{\theta\theta}$9.53 $M_{\phi\phi}$-4.12 $M_{r\theta}$4.93 $M_{\theta\phi}$3.04 $M_{\phi r}$-0.66 NP1:ϕ_s282.00000°,δ66.00000°,λ-59.00000°. NP2:ϕ_s46.00000° ,δ38.00000°,λ-139.00000°. $M_0$9.55000×10^{14}
TAP C.
JMA Event type ke. TAIWAN REGION .
IDC Error ellipse: s-maj=23.2km s-min=14.4km az=68.0.
ISC III 12 00 12 29.1–.84 24.10N–.03 122.86E–.02 52–7 3.5b 253 0-82
IDC III 12 00 12 21.9–1.3 24.30N 122.56E 0 3.6,3.5b **¶610546044**
JMA III 12 00 12 29.8–.12 24N–2.0 122.8E–.50 63–1 3.5,3.5b
ASIES III 12 00 12 30.6 24.15N 122.80E 42 3.9L,3.6W
TAP III 12 00 12 30.6 24.15N 122.80E 42–0 3.9L,3.6W
ISC Event type ke.
IDC Error ellipse: s-maj=45.8km s-min=23.2km az=85.0.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ASIES Moment Tensor Solution. Moment tensor: Scale 10^{21}Nm; M_{rr}0.71 $M_{\theta\theta}$0.96 $M_{\phi\phi}$-1.67 $M_{r\theta}$1.28 $M_{\theta\phi}$0.83 $M_{\phi r}$1.81 NP1:ϕ_s24.46000°,δ80.93000°,λ124.89000°. NP2:ϕ_s127.19000°,δ35.90000° ,λ15.59000°. Principal axes: T Plg43.1740°,Azm328.1350°; N Plg34.3880°,Azm198.1840° ; P Plg27.4750°,Azm87.3350° $M_0$2.77149×10^{21}
TAP C.
ISC III 12 19 47 50.4–1.2 24.66N–.02 122.01E–.02 67–4 292 0-4
TAP III 12 19 47 51.0 24.65N 121.98E 60–0 3.6L **¶614156433**
JMA III 12 19 47 50.4–.17 24.7N–.40 122.0E–.40 65–2 3.2
ISC Event type ke.
TAP B.
JMA Event type ke. TAIWAN REGION .
JMA III 13 00 05 46.0–.15 24.1N–.60 122.8E–.60 33 1.9
¶616602509
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
JMA III 13 19 29 03.8–.39 25N–3.0 123E–1.0 229 2.7
¶616602512
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC III 14 07 35 57.9–1.0 23.83N–.03 122.02E–.03 32–8 112 0-3
JMA III 14 07 35 56.9–.19 24N–1.0 122.0E–.80 31–3 **¶612489098**
TAP III 14 07 35 58.3 23.86N 122.03E 37–0 3.3L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP C.
ISC III 14 17 06 22.5–3.5 25.4N–.20 122.44E–.05 240–19 68 1-2
TAP III 14 17 06 18.6 25.22N 122.97E 264–0 3.3L **¶614157909**
JMA III 14 17 06 23.1–.31 26N–3.0 122.4E–.90 221 2.9
ISC Event type ke.
TAP D.
JMA Event type ke. TAIWAN REGION .
ISC III 15 12 27 43.8–1.2 24.32N–.04 122.85E–.02 55–7 126 0-3
TAP III 15 12 27 43.0 24.29N 122.85E 60–1 2.7L **¶614158359**
JMA III 15 12 27 43.1–.16 24N–2.0 122.9E–.60 61–1 2.3
ISC Event type ke.
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC III 16 01 24 11.9–1.6 24.85N–.04 122.54E–.03 3–17 61 1-2
TAP III 16 01 24 12.9 24.88N 122.51E 8–1 2.9L **¶612489118**
JMA III 16 01 24 13.2–.17 25N–1.0 122.5E–.70 27 2.3
ISC Event type ke.
TAP D.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC III 16 03 30 06.2–1.1 24.86N–.04 122.49E–.03 11–11 66 0-1
TAP III 16 03 30 06.3 24.88N 122.50E 9–0 3.2L **¶614158770**
JMA III 16 03 30 06.5–.25 25N–1.0 122.5E–.40 2–3 2.3
ISC Event type ke.
TAP D.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC III 16 14 47 14.7–1.1 24.81N–.03 122.35E–.02 13–9 127 0-3
TAP III 16 14 47 15.2 24.79N 122.33E 12–0 3.1L **¶614159247**
JMA III 16 14 47 17.4–.10 24.7N–.80 122.3E–.30 36–4 2.0
ISC Event type ke.
TAP D.
JMA Event type ke. TAIWAN REGION .
ISC III 16 21 46 27.6–1.5 24.76N–.05 122.29E–.03 91–9 108 0-2
JMA III 16 21 46 27.0–.22 25N–3.0 122.3E–.70 99–2 2.0 **¶614159501**
TAP III 16 21 46 27.3 24.77N 122.25E 94–1 2.7L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP D.
ISC III 17 01 58 10.3–1.1 23.95N–.04 122.65E–.02 17–9 65 0-2
TAP III 17 01 58 11.7 24.01N 122.69E 37–0 2.6L **¶614159607**
JMA III 17 01 58 12.4–.24 24.1N–.80 123E–1.0 38 2.1
ISC Event type ke.
TAP D.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC III 17 02 44 27.4–1.0 25.8N–.30 122.2E–.10 254–26 3.5b 26 2-81
IDC III 17 02 44 26.0–5.8 25.30N 122.14E 270–35 3.9,3.2b **¶610546354**
JMA III 17 02 44 30.2–.31 25N–3.0 122E–1.0 254–3 3.9,3.2b
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
ISC III 17 12 50 33.2–1.2 24.17N–.03 122.41E–.02 41–6 146 0-3
TAP III 17 12 50 32.0 24.16N 122.40E 44–0 2.8L **¶612489138**
JMA III 17 12 50 32.3–.12 24N–1.0 122.4E–.30 32–2 2.1
ISC Event type ke.
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC III 17 13 28 57.8–1.6 21.05N–.05 121.5E–.10 35 21 1-5
JMA III 17 13 28 58.1–.81 21N–3.0 121E–3.0 44 3.8 **¶614160003**
MAN III 17 13 29 01.7 20.62N 121.50E 10 4.0b,2.8L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
ISC III 18 00 31 38.0–1.2 24.34N–.05 122.96E–.02 46–8 75 0-3
JMA III 18 00 31 37.8–.09 24N–1.0 123.0E–.40 48–1 2.5 **¶614160438**
TAP III 18 00 31 38.5 24.34N 122.87E 35–0 2.9L
ISC Event type ke.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
TAP D.
JMA III 18 13 24 38.0–.13 24N–4.0 122.9E–.70 52–2 1.4
¶616602528
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC III 18 18 54 32.4–.72 24.87N–.03 122.27E–.02 128–4 3.8b 357 0-69
NEIC III 18 18 54 32.0–2.3 24.94N–.08 122.30E–.05 125–5 4.0b **¶610546469**
JMA III 18 18 54 32.6–.31 25N–2.0 122.2E–.70 125–3 3.3
TAP III 18 18 54 33.1 24.91N 122.23E 124–0 4.3L
IDC III 18 18 54 37.0–7.3 25.09N 122.61E 170–79 3.9,3.4b
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=11.4km s-min=6.0km az=191.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. TAIWAN REGION .
TAP B.
IDC Error ellipse: s-maj=71.3km s-min=16.2km az=66.0.
ISC III 18 19 42 33.4–1.2 24.88N–.03 122.46E–.02 4–11 83 0-2
TAP III 18 19 42 33.8 24.91N 122.42E 11–0 2.8L **¶612489148**
JMA III 18 19 42 33.3–.12 24.8N–.80 122.5E–.40 0 2.6
ISC Event type ke.
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC III 18 20 00 19.3–1.1 24.88N–.04 122.46E–.03 12–9 58 0-2
TAP III 18 20 00 19.0 24.95N 122.47E 22–0 2.6L **¶614451272**
JMA III 18 20 00 19.4–.16 24.8N–.60 122.5E–.30 3–2 2.2
ISC Event type ke.
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC III 19 10 15 06.4–2.1 24.92N–.09 122.36E–.03 139–13 75 0-2
TAP III 19 10 15 05.9 24.90N 122.37E 144–0 2.8L **¶614161781**
JMA III 19 10 15 06.2–.19 25N–1.0 122.4E–.50 141–1 2.4
ISC Event type ke.
TAP D.
JMA Event type ke. TAIWAN REGION .
ISC III 19 16 30 02.0–1.4 24.85N–.04 122.21E–.02 108–6 182 0-3
JMA III 19 16 30 01.2–.20 24.9N–1.0 122.2E–.50 108–2 2.4 **¶612489160**
TAP III 19 16 30 01.4 24.86N 122.23E 111–0 3.3L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP C.
ISC III 19 19 43 46.0–1.0 24.65N–.03 122.61E–.02 18–5 98 0-2
TAP III 19 19 43 46.1 24.66N 122.64E 23–0 2.6L **¶614162226**
JMA III 19 19 43 46.4–.14 25N–1.0 122.6E–.50 16–2 2.0
ISC Event type ke.
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC III 19 23 48 09.2–.77 24.80N–.02 122.15E–.02 12–4 4.0b,3.4s 325 0-82
IDC III 19 23 48 08.3–.77 24.81N 122.05E 0 3.8,3.7b **¶610346307**
JMA III 19 23 48 09.2–.11 25N–2.0 122.2E–.70 32 3.8,3.7b
ASIES III 19 23 48 09.0 24.80N 122.11E 14 4.5L,4.0W
NIED III 19 23 48 09.2 24.91N 122.19E 32 4.1W,4.0W
TAP III 19 23 48 09.0 24.80N 122.11E 14–0 4.5L,4.0W

NEIC III 19 23 48 09.4–1.9 24.78N–.03 122.14E–.02 10–1 4.3b,4.1
NEIC III 19 23 48 09.4 24.78N 122.14E 10 4.3b,4.1
BJI III 19 23 48 10.6–.00 24.91N 121.91E 12 4.4b,4.2s
ISC Event type ke.
IDC Error ellipse: s-maj=25.6km s-min=15.6km az=64.0.
JMA Event type ke. TAIWAN REGION .
ASIES Moment Tensor Solution. Moment tensor: Scale 10^{21}Nm; M_{rr}-6.67 $M_{\theta\theta}$8.64 $M_{\phi\phi}$-7.38 $M_{r\theta}$-4.08 $M_{\theta\phi}$-1.86 $M_{\phi r}$-6.49 NP1:ϕ_s59.34000°,δ71.21000°,λ-136.10000°. NP2:ϕ_s312.11000°,δ48.97000°,λ-25.28000°. Principal axes: T Plg13.6740°,Azm180.9600°; N Plg43.0100°,Azm77.8420°; P Plg43.7870°,Azm284.4450° $M_0$12.20730×10^{21}
NIED Moment Tensor Solution. s2 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.13 $M_{\theta\theta}$0.99 $M_{\phi\phi}$-0.85 $M_{r\theta}$1.29 $M_{\theta\phi}$-0.33 $M_{\phi r}$-0.77 NP1:ϕ_s312.00000°,δ86.00000°,λ-60.00000°. NP2:ϕ_s49.00000°,δ30.00000°,λ-172.00000°. $M_0$1.73000×10^{15}
TAP B.
NEIC Event type se. Error ellipse: s-maj=4.5km s-min=2.8km az=348.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-0.28 $M_{\theta\theta}$1.51 $M_{\phi\phi}$-1.23 $M_{r\theta}$-0.02 $M_{\theta\phi}$-0.51 $M_{\phi r}$-0.37 NP1:ϕ_s323.79000°,δ78.83000°,λ-13.65000°. NP2:ϕ_s56.48000°,δ76.61000°,λ-168.51000°. Principal axes: T 1.6025,Plg2.0000°,Azm10.0000°; N -0.1668,Plg72.0000°,Azm105.0000°; P -1.4357,Plg18.0000°,Azm280.0000° $M_0$1.53000×10^{15}
NEIC Event type se.
ISC III 20 00 25 40.8–1.7 24.62N–.06 122.62E–.03 109–10 71 0-2
TAP III 20 00 25 40.9 24.61N 122.60E 107–1 2.6L **¶614162398**
JMA III 20 00 25 41.1–.15 25N–2.0 122.6E–.40 104–1 1.9
ISC Event type ke.
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC III 20 07 04 02.9–1.0 24.83N–.02 122.19E–.02 7–7 3.8b,3.3s 274 0-82
ASIES III 20 07 04 04.2 24.79N 122.11E 10 4.5L,4.0W **¶610470996**
TAP III 20 07 04 04.2 24.79N 122.11E 10–0 4.5L,4.0W
NIED III 20 07 04 04.1 24.76N 122.10E 50 4.3W,4.0W
JMA III 20 07 04 04.1–.11 24.8N–.30 122.1E–.20 50–2 3.7,4.0W
IDC III 20 07 04 23.1–5.0 24.89N 122.07E 186–52 3.7,3.3s
ISC Event type ke.
ASIES Moment Tensor Solution. Moment tensor: Scale 10^{21}Nm; M_{rr}0.13 $M_{\theta\theta}$4.79 $M_{\phi\phi}$-4.92 $M_{r\theta}$-8.76 $M_{\theta\phi}$-2.46 $M_{\phi r}$-4.74 NP1:ϕ_s239.74000°,δ89.84000°,λ118.65000°. NP2:ϕ_s330.03000°,δ28.65000°,λ0.34000°. Principal axes: T Plg38.5020°,Azm175.4030°; N Plg28.6490°,Azm59.6430°; P Plg38.2080°,Azm304.1720° $M_0$11.34850×10^{21}
TAP B.
NIED Moment Tensor Solution. s2 Moment tensor: Scale 10^{15}Nm; M_{rr}0.09 $M_{\theta\theta}$0.77 $M_{\phi\phi}$-0.85 $M_{r\theta}$2.61 $M_{\theta\phi}$-0.24 $M_{\phi r}$-1.17 NP1:ϕ_s298.00000°,δ88.00000°,λ-80.00000°. NP2:ϕ_s41.00000°,δ11.00000°,λ-167.00000°. $M_0$2.91000×10^{15}
JMA Event type ke. TAIWAN REGION .
IDC Error ellipse: s-maj=20.4km s-min=13.8km az=71.0.
JMA III 20 11 02 32.6–.09 24.1N–.70 122.9E–.30 24–1 2.0 ¶616295032
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC III 21 03 13 48.8–.69 21.14N–.04 122.04E–.08 165–5 3.8b 108 1-85
TAP III 21 03 13 49.7 21.25N 121.99E 169–0 4.6L **¶610543373**
MAN III 21 03 13 50.0 21.06N 121.88E 148 4.4b,3.2L
IDC III 21 03 13 51.5–5.0 21.06N 122.19E 196–49 4.0,3.5b
ISC Event type ke.
TAP C.
IDC Error ellipse: s-maj=22.1km s-min=10.5km az=68.0.
ISC III 21 03 41 27.3–.91 24.66N–.03 122.62E–.02 17–7 3.7b 88 0-49
IDC III 21 03 41 25.8–2.1 24.49N 122.10E 0 3.7,3.7b **¶610543376**
TAP III 21 03 41 27.8 24.65N 122.61E 10–1 4.0L,3.7b
JMA III 21 03 41 27.6–.10 25N–1.0 122.6E–.40 22–1 3.2,3.7b
ISC Event type ke.
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC III 21 03 55 35.0–1.0 24.64N–.06 122.63E–.02 24–12 39 0-2
TAP III 21 03 55 34.7 24.67N 122.65E 24–1 2.9L **¶614163264**
JMA III 21 03 55 35.2–.07 24.6N–.80 122.6E–.30 24–1 2.2
ISC Event type ke.
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC III 22 10 50 47.6–1.0 24.79N–.02 122.23E–.02 6–8 3.3b 228 0-82
IDC III 22 10 50 45.9–1.1 24.57N 120.92E 0 3.3,3.3b **¶610543465**
ASIES III 22 10 50 49.1 24.79N 122.11E 10 3.8L,3.6W
TAP III 22 10 50 49.1 24.79N 122.11E 10–0 3.8L,3.6W
JMA III 22 10 50 49.2–.09 24.8N–.30 122.1E–.20 46–2 3.4,3.6W
ISC Event type ke.
ASIES Moment Tensor Solution. Moment tensor: Scale 10^{21}Nm; M_{rr}-0.47 $M_{\theta\theta}$1.28 $M_{\phi\phi}$-1.96 $M_{r\theta}$-2.13 $M_{\theta\phi}$-0.87 $M_{\phi r}$-1.61 NP1:ϕ_s57.55000°,δ89.14000°,λ-124.55000°. NP2:ϕ_s326.31000°,δ34.56000°,λ-1.51000°. Principal axes: T Plg34.8730°,Azm176.8160°; N Plg34.5460°,Azm58.1430°; P Plg36.3630°,Azm297.6860° $M_0$3.27839×10^{21}
TAP B.
JMA Event type ke. TAIWAN REGION .
ISC III 22 21 09 25.1–1.3 22.69N–.03 122.59E–.03 10–10 130 1-4
JMA III 22 21 09 29.2–.35 23N–2.0 122.6E–.70 63 **¶614451805**
TAP III 22 21 09 29.4 22.65N 122.50E 43–1 2.9L
ISC Event type ke.
JMA Event type ke. FAR S OFF ISHIGAKIJIMA .
TAP D.
ISC III 23 07 12 11.6–1.1 24.88N–.03 122.38E–.02 15–7 3.5b,3.0s 99 0-82
IDC III 23 07 12 09.1–.81 24.78N 122.16E 0 3.6,3.6b **¶610543515**
ASIES III 23 07 12 11.2 24.95N 122.39E 15 3.8L,3.6W
TAP III 23 07 12 11.2 24.95N 122.39E 15–0 3.8L,3.6W
JMA III 23 07 12 12.0–.17 25N–1.0 122.4E–.60 27 3.7,3.6W
ISC Event type ke.
ASIES Moment Tensor Solution. Moment tensor: Scale 10^{21}Nm; M_{rr}-2.16 $M_{\theta\theta}$3.36 $M_{\phi\phi}$-1.22 $M_{r\theta}$0.20 $M_{\theta\phi}$0.12 $M_{\phi r}$-1.12 NP1:ϕ_s297.24000°,δ55.54000°,λ-47.90000°. NP2:ϕ_s59.29000°,δ52.29000°,λ-134.33000°. Principal axes: T Plg1.8540°,Azm358.9190°; N Plg33.5610°,Azm90.1490°; P Plg56.3740°,Azm266.1290° $M_0$3.16883×10^{21}
TAP D.
JMA Event type ke. TAIWAN REGION .
ISC III 23 07 48 59.2–1.1 24.89N–.04 122.38E–.03 14–10 49 0-2
JMA III 23 07 48 59.5–.12 24.9N–1.0 122.4E–.40 15 3.2 **¶614164737**
TAP III 23 07 48 59.2 24.94N 122.36E 18–0 3.3L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP D.
ISC III 23 07 54 18.0–1.1 24.89N–.03 122.36E–.02 11–9 100 0-2
JMA III 23 07 54 18.2–.14 25N–1.0 122.4E–.50 18 3.2 **¶612489202**
TAP III 23 07 54 18.8 24.87N 122.27E 5–0 3.2L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP C.
ISC III 23 09 44 16.3–1.2 24.91N–.03 122.39E–.03 18–4 84 0-2
TAP III 23 09 44 16.2 24.96N 122.39E 22–0 3.0L **¶614451836**
JMA III 23 09 44 16.9–.11 24.9N–.70 122.4E–.40 16–4 2.9
ISC Event type ke.
TAP D.
JMA Event type ke. TAIWAN REGION .
TAP III 23 13 26 51.8 24.19N 122.14E 55–0 1.8L ¶614164912
TAP C.
ISC III 24 07 30 28.2–1.4 24.97N–.04 122.27E–.03 14–10 78 0-2
TAP III 24 07 30 29.6 24.95N 122.22E 14–0 3.2L **¶612489215**
JMA III 24 07 30 30.3–.09 24.9N–.80 122.3E–.30 43 2.3
ISC Event type ke.
TAP D.
JMA Event type ke. TAIWAN REGION .
ISC III 24 09 13 44.2–2.5 25.4N–.10 122.49E–.04 246–14 100 1-3
TAP III 24 09 13 43.0 25.68N 122.46E 254–0 3.6L **¶614165500**
JMA III 24 09 13 45.1–.26 26N–2.0 122.4E–.90 221 3.6
ISC Event type ke.
TAP D.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
TAP III 24 15 09 13.6 24.61N 122.29E 84–0 1.8L ¶614165729
TAP D.
ISC III 25 06 37 05.6–1.5 24.54N–.04 122.43E–.03 82–9 101 0-3
TAP III 25 06 37 05.2 24.57N 122.44E 85–0 3.0L **¶614166281**
JMA III 25 06 37 05.5–.19 24N–3.0 122.4E–.70 84–1 2.4
ISC Event type ke.
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC III 27 04 06 57.2–1.1 24.94N–.03 122.42E–.02 10–8 128 0-2
JMA III 27 04 06 57.4–.17 25N–1.0 122.4E–.50 0 3.1 **¶614168132**
TAP III 27 04 06 58.1 24.89N 122.32E 6–0 3.2L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP D.
ISC III 27 08 28 45.3–1.1 24.90N–.04 122.34E–.03 13–11 42 0-1
TAP III 27 08 28 45.3 24.94N 122.33E 11–1 3.2L **¶614168274**
JMA III 27 08 28 45.1–.30 24.9N–.80 122.3E–.30 2–3 3.1
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
ISC III 27 13 50 04.5–1.1 24.89N–.03 122.34E–.02 8–9 109 0-2
JMA III 27 13 50 04.2–.27 24.9N–.70 122.4E–.30 0–2 2.6 **¶614168476**
TAP III 27 13 50 05.0 24.90N 122.29E 11–0 2.8L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP D.
ISC III 28 05 23 06.6–2.1 24.96N–.09 122.43E–.03 126–13 81 1-2
TAP III 28 05 23 06.7 24.99N 122.42E 122–1 3.1L **¶614168993**
JMA III 28 05 23 06.0–.25 25N–3.0 122.4E–.70 125–3 2.5
ISC Event type ke.
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
TAP III 28 11 17 19.1 24.96N 122.25E 13–0 2.2L ¶614169291
TAP C.
ISC III 28 13 58 53.3–.93 23.98N–.03 122.63E–.02 22–5 132 0-3
TAP III 28 13 58 53.6 24.05N 122.62E 25–0 2.5L **¶614169428**
JMA III 28 13 58 53.8–.16 24.0N–.80 122.6E–.60 18 2.5
ISC Event type ke.
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC III 28 14 16 18.1–1.1 24.99N–.03 122.33E–.02 12–8 158 0-4
TAP III 28 14 16 19.6 24.95N 122.25E 14–0 3.1L **¶614452533**
JMA III 28 14 16 20.2–.17 25N–1.0 122.3E–.60 27 2.5
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
ISC III 29 10 26 21.5–2.0 24.83N–.07 122.68E–.04 120–11 90 0-2
TAP III 29 10 26 20.4 24.92N 122.67E 123–0 2.9L **¶614170132**
JMA III 29 10 26 22.2–.27 25N–3.0 122.7E–.90 114 1.5
ISC Event type ke.
TAP D.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC III 29 16 34 02.1–.81 22.51N–.02 121.14E–.02 15–5 4.4b 342 0-85
IDC III 29 16 33 59.6–.75 22.46N 121.36E 0 4.1,4.0b **¶610448489**
BJI III 29 16 34 01.0–.00 22.51N 121.07E 6 4.8b,4.2b
JMA III 29 16 34 01.4–.76 23N–3.0 121E–2.0 0 4.4,4.2b
NIED III 29 16 34 01.4 22.73N 121.15E 0 4.3W,4.2b
TAP III 29 16 34 02.8 22.52N 121.02E 17–0 4.5L,4.2b
NEIC III 29 16 34 02.7–1.4 22.54N–.06 121.16E–.06 21–5 4.5b,4.2b
ASIES III 29 16 34 02.8 22.52N 121.02E 17 4.5L,4.2W
ISC Event type ke.
IDC Error ellipse: s-maj=21.3km s-min=16.1km az=66.0.
JMA Event type ke. TAIWAN REGION .
NIED Moment Tensor Solution. s2 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.99 $M_{\theta\theta}$2.72 $M_{\phi\phi}$-1.73 $M_{r\theta}$1.05 $M_{\theta\phi}$-2.07 $M_{\phi r}$-0.55 NP1:ϕ_s157.00000°,δ84.00000°,λ14.00000°. NP2:ϕ_s65.00000°,δ76.00000°,λ174.00000°. $M_0$3.19000×10^{15}
TAP B.
NEIC Event type se. Error ellipse: s-maj=9.0km s-min=7.7km az=214.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ASIES Moment Tensor Solution. Moment tensor: Scale 10^{22}Nm; M_{rr}1.20 $M_{\theta\theta}$0.42 $M_{\phi\phi}$-1.62 $M_{r\theta}$1.29 $M_{\theta\phi}$-1.56 $M_{\phi r}$-0.92 NP1:ϕ_s172.61000°,δ63.20000°,λ37.24000°. NP2:ϕ_s63.69000°,δ57.31000°,λ147.60000°. Principal axes: T Plg44.4890°,Azm30.5040°; N Plg45.2830°,Azm203.2910°; P Plg3.6140°,Azm296.9480° $M_0$2.65533×10^{22}
ISC III 30 06 16 28.1–.97 21.44N–.05 121.73E–.05 132–6 3.3b 156 1-85
IDC III 30 06 16 13.0–1.2 21.36N 122.27E 0 3.5,3.5b **¶610543975**
TAP III 30 06 16 27.6 21.42N 121.71E 133–0 4.1L,3.5b
MAN III 30 06 16 31.8 21.02N 122.21E 106 4.1b,2.9L
ISC Event type ke.
IDC Error ellipse: s-maj=67.7km s-min=26.7km az=70.0.
TAP D.
ISC III 30 10 35 24.0–1.2 24.51N–.03 122.06E–.02 57–6 179 0-3
TAP III 30 10 35 23.6 24.52N 122.00E 60–0 3.0L **¶614171005**
JMA III 30 10 35 23.1–.17 24.5N–.50 122.0E–.40 66–2 2.6
ISC Event type ke.
TAP B.
JMA Event type ke. TAIWAN REGION .
ISC III 31 02 46 10.6–1.5 24.88N–.04 122.02E–.03 116–7 195 0-3
TAP III 31 02 46 10.9 24.89N 122.03E 113–0 3.3L **¶612489316**
JMA III 31 02 46 10.6–.19 24.8N–.70 122.0E–.50 115–1 2.6
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
ISC III 31 03 35 14.3–1.9 24.79N–.06 122.85E–.03 125–11 101 0-2
TAP III 31 03 35 13.9 24.77N 122.84E 131–1 3.0L **¶614171618**
JMA III 31 03 35 15.1–.26 25N–3.0 122.9E–.80 118–2 1.8
ISC Event type ke.
TAP D.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC III 31 09 31 24.4–1.2 24.30N–.05 122.95E–.02 47–7 94 0-3
JMA III 31 09 31 24.0–.21 24N–3.0 123E–1.0 50 2.2 **¶614171773**
TAP III 31 09 31 24.2 24.33N 122.93E 47–0 2.9L
ISC Event type ke.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
TAP D.
ISC IV 01 05 13 38.4–.93 24.62N–.04 122.48E–.02 97–6 167 0-49
IDC IV 01 05 13 30.9–6.9 24.01N 122.50E 0 3.5,3.5b **¶610651681**
JMA IV 01 05 13 38.3–.18 25N–1.0 122.5E–.40 98–1 2.7,3.5b
TAP IV 01 05 13 38.5 24.65N 122.44E 101–0 3.9L,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=334.0km s-min=42.3km az=96.0.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
TAP C.
ISC IV 01 15 59 30.2–1.0 24.88N–.03 122.36E–.02 14–9 92 0-3
JMA IV 01 15 59 29.8–.17 25N–1.0 122.4E–.50 0 2.6 **¶612489340**
TAP IV 01 15 59 31.0 24.91N 122.35E 12–0 3.0L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP D.
ISC IV 02 00 00 11.0–1.7 25.29N–.06 122.59E–.03 203–9 153 1-3
TAP IV 02 00 00 10.9 25.25N 122.62E 209–0 3.7L **¶614641944**
JMA IV 02 00 00 12.9–.28 25N–3.0 122.6E–.90 184–3 3.5
ISC Event type ke.
TAP D.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC IV 02 13 15 04.4–1.5 24.70N–.05 122.89E–.03 121–8 131 0-3
TAP IV 02 13 15 04.0 24.78N 122.89E 119–0 3.2L **¶614641991**
JMA IV 02 13 15 04.1–.28 25N–4.0 122.9E–.90 125–2 2.5
ISC Event type ke.

TAP D.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC IV 02 17 15 13.9–1.1 21.80N–.05 120.58E–.04 32–6 3.5b 163 0-85
IDC IV 02 17 15 09.7–1.1 21.85N 120.65E 0 3.5,3.5b ¶610651769
JMA IV 02 17 15 11.7–.64 22N–2.0 121E–2.0 0 3.7,3.5b
ASIES IV 02 17 15 13.9 21.86N 120.62E 36 3.6L,3.3W
TAP IV 02 17 15 13.9 21.86N 120.62E 36–0 3.6L,3.3W
ISC Event type ke.
IDC Error ellipse: s-maj=74.3km s-min=21.8km az=67.0.
JMA Event type ke. TAIWAN REGION .
ASIES Moment Tensor Solution. Moment tensor: Scale 10^{21}Nm; M_{rr}-0.06 $M_{\theta\theta}$-0.12 $M_{\phi\phi}$0.18 $M_{r\theta}$-0.34 $M_{\theta\phi}$1.07 $M_{\phi r}$0.37 NP1:ϕ_s178.20000°,δ76.53000°,λ-161.29000°. NP2:ϕ_s83.69000° ,δ71.82000°,λ-14.19000°. Principal axes: T Plg3.2060°,Azm310.3280°; N Plg67.0860° ,Azm212.7120°; P Plg22.6630°,Azm41.6680° $M_0$1.19441×10^{21}
TAP D.
ISC IV 03 08 17 31.4–1.5 24.85N–.05 122.24E–.03 115–8 185 0-2
JMA IV 03 08 17 31.2–.16 24.8N–.90 122.2E–.40 114–1 2.4 ¶612489365
TAP IV 03 08 17 31.3 24.87N 122.24E 115–0 3.6L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP C.
TAP IV 03 10 25 49.6 22.81N 121.56E 15–0 1.9L
¶614642088
TAP D.
ISC IV 03 19 51 49.5–1.2 24.56N–.02 122.16E–.02 50–6 187 0-4
JMA IV 03 19 51 49.0–.14 24.5N–.40 122.1E–.20 55–2 2.8 ¶612489374
TAP IV 03 19 51 49.5 24.56N 122.10E 49–0 3.2L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP C.
ISC IV 04 10 24 02.2–1.3 24.58N–.03 122.13E–.02 76–7 127 0-2
JMA IV 04 10 24 01.7–.35 24N–1.0 122.1E–.60 77–4 2.2 ¶614642213
TAP IV 04 10 24 02.5 24.56N 122.07E 74–0 2.9L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP B.
ISC IV 05 00 04 55.9–1.2 24.90N–.04 122.45E–.03 8–13 51 0-2
JMA IV 05 00 04 55.8–.36 25N–2.0 122.4E–.60 1–4 2.8 ¶614642263
TAP IV 05 00 04 56.1 24.90N 122.46E 14–0 2.5L
ISC Event type ke.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
TAP C.
JMA IV 05 06 03 03.0–.23 25N–3.0 123.0E–.80 116–3 1.8
¶617153871
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC IV 05 09 49 05.2–2.2 21.53N–.10 122.33E–.05 11–10 81 1-4
TAP IV 05 09 49 04.6 21.44N 122.41E 41–1 3.4L ¶612489388
JMA IV 05 09 49 06.5–.99 22N–4.0 122E–3.0 50 3.5
ISC Event type ke.
TAP D.
JMA Event type ke. TAIWAN REGION .
ISC IV 05 11 58 32.0–.81 25.4N–.10 122.91E–.06 190–10 3.2b 37 1-81
IDC IV 05 11 58 31.7–3.6 25.40N 122.91E 186–38 3.6,3.0b ¶610652007
JMA IV 05 11 58 33.9–.32 25N–2.0 122.9E–.70 181–4 3.5,3.0b
ISC Event type ke.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC IV 05 15 10 58.3–1.0 24.91N–.03 122.29E–.03 15–8 114 0-2
TAP IV 05 15 10 58.7 24.96N 122.23E 19–0 2.8L ¶614642337
JMA IV 05 15 10 59.4–.12 24.9N–.90 122.2E–.40 5 2.6
ISC Event type ke.
TAP D.
JMA Event type ke. TAIWAN REGION .
ISC IV 07 04 58 24.1–1.2 24.12N–.03 122.54E–.02 46–7 129 0-3
JMA IV 07 04 58 23.9–.18 24N–2.0 122.5E–.60 34–3 2.7 ¶614642502
TAP IV 07 04 58 23.6 24.12N 122.53E 46–0 3.4L
ISC Event type ke.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
TAP C.
ISC IV 07 05 03 00.9–1.2 24.14N–.03 122.54E–.02 47–7 110 0-3
JMA IV 07 05 03 00.7–.17 24N–2.0 122.5E–.50 36–3 2.5 ¶614642503
TAP IV 07 05 03 00.1 24.13N 122.55E 47–0 3.3L
ISC Event type ke.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
TAP C.
ISC IV 08 18 07 25.9–1.6 24.54N–.05 122.71E–.03 92–11 111 0-2
TAP IV 08 18 07 24.3 24.64N 122.73E 105–0 2.5L ¶614642688
JMA IV 08 18 07 25.2–.18 25N–2.0 122.7E–.60 98 1.5
ISC Event type ke.
TAP D.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
JMA IV 09 05 02 33.5–.13 24N–2.0 123.0E–.50 56–1 1.8
¶617153875
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC IV 09 11 47 40.0–.99 24.15N–.02 122.23E–.02 33–2 134 0-2
TAP IV 09 11 47 40.2 24.22N 122.23E 36–0 2.6L ¶614642748
JMA IV 09 11 47 40.5–.13 24N–1.0 122.2E–.30 40–2 2.0
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
ISC IV 09 15 42 41.2–1.0 24.86N–.03 122.44E–.02 15–8 121 0-2
JMA IV 09 15 42 41.5–.21 25N–1.0 122.4E–.50 10–4 2.8 ¶612489422
TAP IV 09 15 42 41.3 24.88N 122.43E 16–0 2.9L
ISC Event type ke.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
TAP D.
ISC IV 10 16 59 29.4–.89 21.18N–.04 121.97E–.07 166–6 3.2b 189 1-85
IDC IV 10 16 59 10.6–1.1 21.25N 122.53E 0 3.4,3.4b ¶610652398
TAP IV 10 16 59 30.7 21.24N 121.93E 165–0 4.3L,3.4b
MAN IV 10 16 59 31.1 21.04N 122.19E 120 4.6b,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=71.4km s-min=20.9km az=68.0.
TAP D.
ISC IV 11 19 30 46.7–1.2 21.96N–.03 120.40E–.03 49–7 261 0-5
JMA IV 11 19 30 45.9–.54 22N–2.0 121E–2.0 24 4.1 ¶612489437
TAP IV 11 19 30 47.4 22.03N 120.46E 45–0 4.0L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP D.
ISC IV 12 13 50 43.4–1.2 24.54N–.03 122.31E–.02 73–7 191 0-5
TAP IV 12 13 50 42.7 24.55N 122.30E 79–0 3.5L ¶614642988
JMA IV 12 13 50 42.7–.17 24.5N–.90 122.3E–.30 78–2 2.9
ISC Event type ke.
TAP B.
JMA Event type ke. TAIWAN REGION .
TAP IV 12 14 37 26.3 21.04N 121.25E 68–1 3.3L
¶612489448
TAP D.
ISC IV 13 01 33 03.1–1.2 24.46N–.04 122.90E–.02 75–7 219 0-3
JMA IV 13 01 33 01.9–.16 25N–2.0 122.9E–.60 83–1 3.4 ¶612489451
ASIES IV 13 01 33 02.3 24.53N 122.89E 80 4.1L,3.6W
TAP IV 13 01 33 02.3 24.53N 122.89E 80–0 4.1L,3.6W
ISC Event type ke.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ASIES Moment Tensor Solution. Moment tensor: Scale 10^{21}Nm; M_{rr}-0.79 $M_{\theta\theta}$1.38 $M_{\phi\phi}$-0.59 $M_{r\theta}$2.25 $M_{\theta\phi}$2.28 $M_{\phi r}$-0.63 NP1:ϕ_s277.00000°,δ80.77000°,λ-44.67000°. NP2:ϕ_s16.01000°,δ46.06000° ,λ-167.13000°. Principal axes: T Plg22.1640°,Azm334.1130°; N Plg44.5860°,Azm87.7850° ; P Plg37.1620°,Azm226.1270° $M_0$3.48075×10^{21}
TAP D.
ISC IV 13 19 41 11.9–.27 25.19N–.03 122.36E–.02 181–2 4.7b 1177 0-179
JMA IV 13 19 41 11.9–.20 25N–1.0 122.4E–.50 170–2 4.9,4.8W ¶610527975
BJI IV 13 19 41 11.0–.00 25.10N 122.39E 179 5.0b,5.0b
GCMT IV 13 19 41 11.2–.40 25.10N–.02 122.38E–.03 179–3 4.9W,5.0b
NIED IV 13 19 41 11.9 25.07N 122.37E 170 4.8W,5.0b
TAP IV 13 19 41 11.7 25.17N 122.40E 171–0 5.5L,5.0b
ASIES IV 13 19 41 11.7 25.17N 122.40E 171 5.5L,4.6W
NEIC IV 13 19 41 12.2–1.7 25.20N–.07 122.38E–.07 179–5 4.7b,4.6W
IDC IV 13 19 41 12.5–.53 25.17N 122.31E 188–4 4.9,4.4b
ISC Event type ke. Moment Tensor Solution. NP1:ϕ_s133.59992°,δ41.90834°,λ-82.84950°. NP2: ϕ_s304.03156°,δ48.49036°,λ-96.37458°. Principal axes: T Plg3.3024°,Azm38.5419° ; N Plg4.7692°,Azm308.2661°; P Plg84.1946°,Azm163.1209°
JMA Event type ke. TAIWAN REGION .
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s17,c18; s83,c109;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.01±.10 $M_{\theta\theta}$1.44±.11; $M_{\phi\phi}$0.56±.11; $M_{r\theta}$-0.84±.08; $M_{\theta\phi}$-1.23±.09; $M_{\phi r}$-0.96±.09; Best double couple: NP1:ϕ_s100.00000°,δ53.00000° ,λ-126.00000°. NP2:ϕ_s330.00000°,δ49.00000°,λ-52.00000°. Principal axes: T 2.3140,Plg2.0000°,Azm214.0000°; N 0.3700,Plg28.0000°,Azm123.0000° ; P -2.6850,Plg62.0000°,Azm308.0000° $M_0$2.49900×10^{16}
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.48 $M_{\theta\theta}$1.15 $M_{\phi\phi}$0.33 $M_{r\theta}$-0.25 $M_{\theta\phi}$-0.67 $M_{\phi r}$-0.11 NP1:ϕ_s111.00000°,δ49.00000°,λ-101.00000°. NP2:ϕ_s308.00000° ,δ43.00000°,λ-78.00000°. $M_0$1.53000×10^{16}
TAP C.
ASIES Moment Tensor Solution. Moment tensor: Scale 10^{22}Nm; M_{rr}-7.64 $M_{\theta\theta}$5.07 $M_{\phi\phi}$2.56 $M_{r\theta}$0.28 $M_{\theta\phi}$-4.98 $M_{\phi r}$-4.11 NP1:ϕ_s327.80000°,δ57.69000°,λ-65.82000°. NP2:ϕ_s107.77000° ,δ39.56000°,λ-122.93000°. Principal axes: T Plg9.6230°,Azm40.7170°; N Plg20.2560° ,Azm134.3040°; P Plg67.3900°,Azm286.6940° $M_0$9.33509×10^{22}
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=9.5km az=151.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=10.3km s-min=6.5km az=75.0.
ISC IV 13 21 23 49.3–1.2 24.25N–.02 122.14E–.02 48–8 190 0-3
TAP IV 13 21 23 48.6 24.29N 122.11E 59–0 3.0L ¶614643128
JMA IV 13 21 23 48.6–.08 24.2N–.50 122.1E–.20 57–1 2.4
ISC Event type ke.
TAP B.
JMA Event type ke. TAIWAN REGION .
ISC IV 14 09 27 16.1–1.1 24.88N–.03 122.23E–.03 8–9 72 0-2
JMA IV 14 09 27 16.2–.20 25N–2.0 122.2E–.70 4 2.4 ¶614643165
TAP IV 14 09 27 16.1 24.92N 122.17E 6–0 2.8L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP C.
ISC IV 15 01 22 42.9–1.1 23.31N–.02 122.20E–.02 20–4 3.3b 221 1-83
JMA IV 15 01 22 44.0–.29 23N–1.0 122.1E–.50 44 3.6 ¶610619267
NIED IV 15 01 22 44.0 23.35N 122.14E 44 3.9W
TAP IV 15 01 22 45.0 23.37N 122.13E 23–0 3.8L
IDC IV 15 01 22 54.2–5.0 24.11N 122.43E 72–46 3.3,3.0b
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
NIED Moment Tensor Solution. s2 Moment tensor: Scale 10^{14}Nm; M_{rr}-1.65 $M_{\theta\theta}$4.23 $M_{\phi\phi}$-2.58 $M_{r\theta}$5.67 $M_{\theta\phi}$-2.10 $M_{\phi r}$2.82 NP1:ϕ_s247.00000°,δ83.00000°,λ-121.00000°. NP2:ϕ_s145.00000° ,δ32.00000°,λ-14.00000°. $M_0$7.63000×10^{14}
TAP D.
IDC Error ellipse: s-maj=33.6km s-min=21.8km az=76.0.
ISC IV 15 06 23 17.4–.97 24.68N–.02 122.67E–.02 14–7 3.8b 240 0-59
IDC IV 15 06 23 16.7–.90 24.38N 121.90E 0 3.7,3.7b ¶610652776
ASIES IV 15 06 23 17.6 24.69N 122.66E 22 4.0L,3.6W
TAP IV 15 06 23 17.6 24.69N 122.66E 22–0 4.0L,3.6W
JMA IV 15 06 23 18.0–.10 25N–1.0 122.6E–.40 24–1 3.4,3.6W
ISC Event type ke.
ASIES Moment Tensor Solution. Moment tensor: Scale 10^{21}Nm; M_{rr}-1.12 $M_{\theta\theta}$2.47 $M_{\phi\phi}$-1.22 $M_{r\theta}$-1.51 $M_{\theta\phi}$-0.10 $M_{\phi r}$-1.38 NP1:ϕ_s57.00000°,δ75.16000°,λ-126.77000°. NP2:ϕ_s308.08000° ,δ39.25000°,λ-23.88000°. Principal axes: T Plg21.4980°,Azm174.0590°; N Plg35.3480° ,Azm67.8370°; P Plg46.7770°,Azm288.8360° $M_0$2.94010×10^{21}
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC IV 15 06 26 34.7–1.3 24.67N–.03 122.64E–.02 21–3 90 0-2
JMA IV 15 06 26 34.9–.06 24.6N–.70 122.6E–.30 22–1 2.5 ¶614643294
TAP IV 15 06 26 34.5 24.68N 122.66E 22–0 3.0L
ISC Event type ke.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
TAP C.
ISC IV 15 06 27 51.1–1.1 24.67N–.04 122.64E–.02 20–4 79 0-2
JMA IV 15 06 27 51.0–.24 25N–2.0 122.6E–.90 18–4 2.1 ¶614643295
TAP IV 15 06 27 51.0 24.69N 122.68E 26–0 2.8L
ISC Event type ke.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
TAP C.
ISC IV 15 07 04 56.6–1.4 24.21N–.05 122.74E–.03 66–11 73 0-2
JMA IV 15 07 04 56.2–.25 24N–3.0 123E–1.0 67 1.9 ¶614643297
TAP IV 15 07 04 56.8 24.20N 122.70E 58–1 2.5L
ISC Event type ke.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
TAP C.
ISC IV 15 12 14 43.8–1.6 24.93N–.05 122.13E–.03 133–8 169 0-3
TAP IV 15 12 14 43.9 24.94N 122.16E 132–0 3.2L ¶614643315
JMA IV 15 12 14 44.1–.17 24.9N–.80 122.1E–.40 128–1 2.4
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
ISC IV 15 19 03 47.1–.99 24.82N–.03 122.27E–.02 17–8 110 0-2
JMA IV 15 19 03 47.5–.06 24.7N–.40 122.3E–.20 0 2.3 ¶614643335
TAP IV 15 19 03 47.1 24.83N 122.26E 17–0 2.7L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP C.
ISC IV 15 19 49 55.1–1.0 24.80N–.02 122.31E–.02 12–8 151 0-3
JMA IV 15 19 49 55.9–.12 24.8N–.80 122.3E–.30 46–3 2.6 ¶614643345
TAP IV 15 19 49 56.5 24.82N 122.21E 11–0 3.2L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP C.
ISC IV 16 06 36 26.6–.97 21.85N–.04 121.33E–.03 29–7 3.6b 141 0-85
IDC IV 16 06 36 20.4–.88 21.80N 122.01E 0 3.8,3.8b ¶610652853
ASIES IV 16 06 36 24.2 21.72N 121.39E 37 4.2L,3.9W
JMA IV 16 06 36 24.8–.71 22N–3.0 122E–2.0 8 4.0,3.9W
TAP IV 16 06 36 24.2 21.72N 121.39E 37–0 4.2L,3.9W
ISC Event type ke.
IDC Error ellipse: s-maj=70.3km s-min=16.5km az=66.0.
ASIES Moment Tensor Solution. Moment tensor: Scale 10^{21}Nm; M_{rr}4.58 $M_{\theta\theta}$-1.41 $M_{\phi\phi}$-3.18 $M_{r\theta}$0.29 $M_{\theta\phi}$-3.41 $M_{\phi r}$7.61 NP1:ϕ_s9.69000°,δ74.71000°,λ70.58000°. NP2:ϕ_s242.91000°,δ24.53000° ,λ140.59000°. Principal axes: T Plg56.0640°,Azm254.7800°; N Plg18.7090°,Azm14.9990° ; P Plg27.1880°,Azm115.0170° $M_0$9.28173×10^{21}
JMA Event type ke. TAIWAN REGION .
TAP C.
ISC IV 16 06 59 28.7–1.1 23.98N–.03 122.43E–.02 23–13 110 1-2
TAP IV 16 06 59 28.9 24.03N 122.44E 25–0 3.1L ¶612489482
JMA IV 16 06 59 29.3–.24 24N–2.0 122.4E–.50 24–4 2.9
ISC Event type ke.
TAP D.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC IV 16 15 54 53.0–1.1 23.86N–.03 123.00E–.02 17–9 116 1-2
TAP IV 16 15 54 55.3 24.01N 122.99E 21–0 2.6L ¶612489486
JMA IV 16 15 54 55.6–.10 24.0N–.70 123.0E–.30 34–2 2.5
ISC Event type ke.
TAP D.
JMA Event type ke. NEAR ISHIGAKIJIMA ISLAND.
ISC IV 16 22 17 11.3–1.3 24.86N–.04 122.01E–.02 114–6 244 0-3
JMA IV 16 22 17 11.8–.17 24.8N–.60 122.0E–.40 108–1 2.8 ¶612489488
TAP IV 16 22 17 11.7 24.86N 122.02E 109–0 3.5L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .

TAP B.
ISC IV 17 09 03 23.2–1.1 24.82N–.03 122.27E–.02 19–2 119 0-2
TAP IV 17 09 03 24.1 24.83N 122.23E 15–0 3.2L ¶614643597
JMA IV 17 09 03 24.1–.12 24.8N–.70 122.3E–.30 47–2 2.6
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
ISC IV 17 09 55 08.8–1.7 24.63N–.06 122.67E–.03 99–12 95 0-2
JMA IV 17 09 55 07.9–.14 24N–4.0 122.6E–.90 105 1.7 ¶614643620
TAP IV 17 09 55 08.8 24.63N 122.62E 104–1 2.8L
ISC Event type ke.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
TAP C.
ISC IV 17 11 05 29.9–2.5 25.2N–.10 122.80E–.04 186–15 91 1-3
TAP IV 17 11 05 28.4 25.33N 122.81E 199–1 3.1L ¶614643622
JMA IV 17 11 05 30.0–.36 25N–3.0 123E–1.0 181 2.5
ISC Event type ke.
TAP D.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
TAP IV 17 17 33 32.4 24.91N 122.44E 14–1 2.1L
¶614643642
TAP D.
ISC IV 17 19 45 27.6–1.1 24.88N–.03 122.44E–.02 10–10 84 0-3
TAP IV 17 19 45 27.1 24.93N 122.47E 17–0 2.8L ¶614643646
JMA IV 17 19 45 27.6–.29 25N–1.0 122.4E–.50 1–3 2.3
ISC Event type ke.
TAP D.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC IV 17 22 17 16.7–1.3 24.05N–.04 122.35E–.02 48–8 84 0-2
JMA IV 17 22 17 16.2–.18 24N–2.0 122.3E–.50 51 1.9 ¶614643650
TAP IV 17 22 17 16.4 24.07N 122.37E 48–0 2.6L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP C.
ISC IV 18 09 37 08.5–1.3 24.18N–.04 122.77E–.03 50–10 89 0-2
TAP IV 18 09 37 07.9 24.20N 122.74E 52–2 2.6L ¶614643683
JMA IV 18 09 37 09.3–.14 24N–2.0 122.8E–.80 52 1.6
ISC Event type ke.
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC IV 18 21 15 29.9–.89 22.93N–.02 121.49E–.02 32–6 198 0-3
JMA IV 18 21 15 28.4–.55 23N–2.0 122E–2.0 3 3.4 ¶614643738
ASIES IV 18 21 15 29.8 22.97N 121.42E 38 3.5L,3.0W
TAP IV 18 21 15 29.8 22.97N 121.42E 38–0 3.5L,3.0W
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
ASIES Moment Tensor Solution. Moment tensor: Scale 10^{20}Nm; M_{rr}-0.47 $M_{\theta\theta}$2.86 $M_{\phi\phi}$-2.39 $M_{r\theta}$2.82 $M_{\theta\phi}$-0.02 $M_{\phi r}$2.10 NP1:ϕ_s230.35000°,δ86.26000°,λ-125.81000°. NP2:ϕ_s135.19000° ,δ35.98000°,λ-6.37000°. Principal axes: T Plg31.7430°,Azm349.4640°; N Plg35.7240° ,Azm233.0450°; P Plg38.1920°,Azm108.5880° $M_0$4.41006×10^{20}
TAP C.
ISC IV 19 01 04 38.5–.89 22.93N–.02 121.48E–.02 34–5 188 0-3
JMA IV 19 01 04 36.8–.48 23N–2.0 122E–1.0 10 3.2 ¶614643775
TAP IV 19 01 04 38.5 22.97N 121.42E 38–0 3.5L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP C.
ISC IV 19 09 16 44.1–1.0 24.87N–.03 122.43E–.02 18–8 90 0-2
JMA IV 19 09 16 44.8–.09 24.8N–.70 122.4E–.30 4 2.4 ¶614643816
TAP IV 19 09 16 44.1 24.87N 122.42E 17–0 2.6L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP D.
ISC IV 19 17 02 37.1–1.2 24.25N–.04 122.95E–.02 44–8 112 0-3
JMA IV 19 17 02 37.2–.10 24N–1.0 123.0E–.40 47–1 2.0 ¶614643850
TAP IV 19 17 02 37.0 24.29N 122.93E 41–0 2.6L
ISC Event type ke.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
TAP D.
ISC IV 20 16 20 12.5–.58 22.95N–.01 121.06E–.01 12–3 4.2b,3.4s 366 0-98
IDC IV 20 16 20 09.5–.64 22.83N 121.46E 0 4.0,3.9b ¶610619275
TAP IV 20 16 20 11.5 22.96N 120.98E 7–0 4.5L,3.9b
NIED IV 20 16 20 11.7 23.03N 121.19E 0 4.3W,3.9b
JMA IV 20 16 20 11.7–.41 23N–1.0 121E–2.0 0 3.9,3.9b
BJI IV 20 16 20 11.4–.00 22.91N 121.05E 6 4.5b,4.1L
ASIES IV 20 16 20 11.5 22.96N 120.98E 7 4.5L,4.2W
NEIC IV 20 16 20 12.5–2.1 22.93N–.04 121.15E–.06 7–4 4.3b,4.2W
ISC Event type ke.
TAP C.
NIED Moment Tensor Solution. s2 Moment tensor: Scale 10^{15}Nm; M_{rr}-3.09 $M_{\theta\theta}$1.82 $M_{\phi\phi}$1.27 $M_{r\theta}$2.02 $M_{\theta\phi}$-0.04 $M_{\phi r}$0.01 NP1:ϕ_s271.00000°,δ65.00000°,λ-91.00000°. NP2:ϕ_s93.00000° ,δ25.00000°,λ-88.00000°. $M_0$3.18000×10^{15}
JMA Event type ke. TAIWAN REGION .
ASIES Moment Tensor Solution. Moment tensor: Scale 10^{22}Nm; M_{rr}-1.85 $M_{\theta\theta}$0.31 $M_{\phi\phi}$1.55 $M_{r\theta}$0.09 $M_{\theta\phi}$-0.83 $M_{\phi r}$1.07 NP1:ϕ_s168.10000°,δ59.55000°,λ-74.16000°. NP2:ϕ_s318.86000° ,δ33.97000°,λ-114.90000°. Principal axes: T Plg13.1820°,Azm246.6650°; N Plg13.6070° ,Azm339.9150°; P Plg70.8740°,Azm114.1800° $M_0$2.18824×10^{22}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 22 02 34 42.5–.93 24.57N–.02 122.26E–.02 18–5 90 0-2
TAP IV 22 02 34 42.2 24.59N 122.24E 10–0 2.7L ¶614644137
JMA IV 22 02 34 43.2–.04 24.5N–.40 122.3E–.20 28–2 2.2
ISC Event type ke.
TAP B.
JMA Event type ke. TAIWAN REGION .
ISC IV 22 18 18 11.5–1.4 24.55N–.04 122.39E–.02 85–8 112 0-2
JMA IV 22 18 18 10.9–.20 25N–2.0 122.4E–.50 86–1 2.0 ¶614644204
TAP IV 22 18 18 12.1 24.55N 122.35E 81–1 2.8L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP D.
ISC IV 22 20 27 01.9–1.2 24.09N–.03 122.35E–.02 47–7 177 0-3
JMA IV 22 20 27 00.8–.13 24N–1.0 122.3E–.30 50–2 2.2 ¶612489538
TAP IV 22 20 27 01.3 24.11N 122.33E 53–0 3.0L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP C.
ISC IV 23 05 45 23.1–1.3 24.66N–.04 122.59E–.02 110–7 186 0-3
TAP IV 23 05 45 22.7 24.69N 122.60E 112–0 3.6L ¶614644237
JMA IV 23 05 45 22.4–.20 25N–2.0 122.6E–.60 113–1 3.0
ISC Event type ke.
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC IV 24 15 58 40.5–1.0 24.75N–.02 122.27E–.02 7–9 159 0-3
JMA IV 24 15 58 40.5–.07 24.7N–.60 122.3E–.20 0 2.3 ¶614644402
TAP IV 24 15 58 40.2 24.78N 122.25E 9–0 2.8L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP C.
ISC IV 25 14 57 41.9–1.3 24.37N–.03 122.48E–.03 75–8 160 0-3
TAP IV 25 14 57 41.8 24.36N 122.45E 72–1 3.0L ¶614644527
JMA IV 25 14 57 42.0–.16 24N–4.0 122.5E–.70 67–4 2.5
ISC Event type ke.
TAP B.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC IV 28 18 27 05.6–1.1 23.18N–.02 122.11E–.02 20–4 153 1-3
JMA IV 28 18 27 08.3–.55 23N–2.0 122E–1.0 40 2.4 ¶614644838
TAP IV 28 18 27 08.0 23.15N 122.09E 36–1 2.8L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP D.
ISC IV 29 09 07 26.5–.65 25.61N–.05 122.58E–.03 277–5 3.4b 199 0-81
TAP IV 29 09 07 26.2 25.59N 122.52E 292–0 4.5L ¶610598478
IDC IV 29 09 07 26.3–2.6 25.67N 122.51E 268–26 3.8,3.2b
JMA IV 29 09 07 28.8–.26 26N–3.0 123E–1.0 255 4.2,3.2b
ISC Event type ke.
TAP D.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC IV 29 09 37 45.4–1.4 23.69N–.03 122.84E–.03 35–7 92 1-3
JMA IV 29 09 37 45.3–.19 23.7N–.80 122.8E–.60 52 2.8 ¶614644880
TAP IV 29 09 37 46.3 23.69N 122.78E 32–0 3.1L
ISC Event type ke.
JMA Event type ke. NEAR ISHIGAKIJIMA ISLAND.
TAP D.
ISC IV 29 10 37 17.3–2.0 21.80N–.09 121.15E–.03 48–11 110 0-4
JMA IV 29 10 37 16.6–.49 22N–2.0 121E–2.0 38 3.8 ¶614644886
TAP IV 29 10 37 16.9 21.85N 121.20E 44–0 3.2L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP D.
ISC IV 29 16 51 00.0–1.1 21.17N–.05 121.01E–.04 52–14 3.9b,3.2s 175 1-86
TAP IV 29 16 50 56.7 21.08N 121.14E 73–0 4.2L,3.2s ¶610619289
NEIC IV 29 16 50 58.6–1.8 21.26N–.07 120.99E–.10 10–1 4.1b,3.2s
JMA IV 29 16 51 00.4–.31 21N–1.0 121E–1.0 96 3.9,3.2s
NIED IV 29 16 51 00.4 21.20N 121.09E 96 4.1W,3.2s
IDC IV 29 16 51 02.7–3.6 21.17N 121.11E 44–37 3.9,3.6b
ISC Event type ke.
TAP D.
NEIC Event type se. Error ellipse: s-maj=15.3km s-min=12.4km az=267.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. TAIWAN REGION .
NIED Moment Tensor Solution. s2 Moment tensor: Scale 10^{15}Nm; M_{rr}-1.42 $M_{\theta\theta}$1.17 $M_{\phi\phi}$0.26 $M_{r\theta}$0.37 $M_{\theta\phi}$0.64 $M_{\phi r}$0.14 NP1:ϕ_s244.00000°,δ53.00000°,λ-88.00000°. NP2:ϕ_s61.00000° ,δ38.00000°,λ-93.00000°. $M_0$1.51000×10^{15}
IDC Error ellipse: s-maj=23.4km s-min=14.8km az=66.0.
TAP IV 29 21 53 38.9 24.80N 122.21E 15–1 2.3L
¶614644916
TAP C.
ISC IV 30 01 57 21.9–.21 21.30N–.02 121.75E–.02 108–1 5.3b 1646 1-175
BJI IV 30 01 57 20.8–.00 21.41N 121.91E 101 5.0b,4.9b ¶610589467
MOS IV 30 01 57 21.0–.88 21.30N 121.79E 112 5.3b,4.1s
NEIC IV 30 01 57 21.5 21.29N 121.82E 110 5.3b,4.1s
NEIC IV 30 01 57 21.5 21.19N 121.82E 110 5.3b,4.1s
NIED IV 30 01 57 22.6 21.43N 121.72E 142 5.1W,4.1s
ASIES IV 30 01 57 22.6 21.41N 121.65E 122 6.1L,5.3W
JMA IV 30 01 57 22.6–.35 21N–2.0 122E–1.0 142 5.4,5.2W
TAP IV 30 01 57 22.6 21.41N 121.65E 122–0 6.1L,5.2W
NEIC IV 30 01 57 22.2–1.7 21.30N–.07 121.83E–.08 106–4 5.4b,5.2
GCMT IV 30 01 57 24.1–.20 21.33N–.01 121.71E–.01 110–1 5.2W,5.2
IDC IV 30 01 57 25.3–.59 21.31N 121.85E 135–5 5.3,4.9b
MAN IV 30 01 57 33.9 20.22N 121.53E 1 5.3b,4.4s
ISC Event type ke. Moment Tensor Solution. NP1:ϕ_s184.06393°,δ22.73392°,λ23.11416°. NP2: ϕ_s72.57597°,δ81.27412°,λ111.07511°. Principal axes: T Plg49.4153°,Azm5.5828° ; N Plg20.8198°,Azm249.2301°; P Plg33.0177°,Azm144.9235°
MOS Error ellipse: s-maj=6.4km s-min=3.5km az=113.8.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2s1 Moment tensor: Scale 10^{16}Nm; M_{rr}2.21 $M_{\theta\theta}$-4.32 $M_{\phi\phi}$2.11 $M_{r\theta}$5.24 $M_{\theta\phi}$-4.17 $M_{\phi r}$-1.95 NP1:ϕ_s102.28000°,δ79.30000° ,λ130.99000°. NP2:ϕ_s204.35000°,δ42.12000°,λ16.08000°. Principal axes: T 7.7931,Plg41.0000°,Azm50.0000°; N 0.2350,Plg40.0000°,Azm273.0000° ; P -8.0281,Plg23.0000°,Azm162.0000° $M_0$7.91000×10^{16}
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.52 $M_{\theta\theta}$-1.89 $M_{\phi\phi}$2.42 $M_{r\theta}$2.46 $M_{\theta\phi}$-3.13 $M_{\phi r}$-3.41 NP1:ϕ_s113.00000°,δ88.00000°,λ137.00000°. NP2:ϕ_s205.00000° ,δ47.00000°,λ3.00000°. $M_0$5.19000×10^{16}
ASIES Moment Tensor Solution. Moment tensor: Scale 10^{23}Nm; M_{rr}1.58 $M_{\theta\theta}$-4.54 $M_{\phi\phi}$2.95 $M_{r\theta}$4.18 $M_{\theta\phi}$-3.64 $M_{\phi r}$7.11 NP1:ϕ_s30.12000°,δ84.28000°,λ59.28000°. NP2:ϕ_s290.60000°,δ31.20000° ,λ168.91000°. Principal axes: T Plg42.4770°,Azm270.7900°; N Plg30.5540°,Azm33.5070° ; P Plg32.3020°,Azm145.4200° $M_0$9.86031×10^{23}
JMA Event type ke. TAIWAN REGION .
TAP D.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=10.2km az=104.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s99,c143; s140,c229;Duration: 1s0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.26±.14 $M_{\theta\theta}$-4.89±.17; $M_{\phi\phi}$2.64±.17; $M_{r\theta}$5.17±.09; $M_{\theta\phi}$-5.00±.14; $M_{\phi r}$-1.33±.11; Best double couple: NP1:ϕ_s102.00000°,δ80.00000°,λ136.00000°. NP2:ϕ_s202.00000°,δ47.00000°,λ14.00000°. Principal axes: T 7.8440,Plg37.0000° ,Azm52.0000°; N 1.1220,Plg45.0000°,Azm272.0000°; P -8.9560,Plg21.0000°,Azm159.0000° $M_0$8.40000×10^{16}
IDC Error ellipse: s-maj=9.0km s-min=6.4km az=67.0.
ISC IV 30 15 20 03.6–.91 24.88N–.03 122.01E–.02 116–5 269 0-50
IDC IV 30 15 19 55.7–3.8 24.17N 122.08E 0 3.6,3.5b ¶610650426
JMA IV 30 15 20 03.6–.22 24.9N–.80 122.0E–.50 110–2 3.0,3.5b
TAP IV 30 15 20 03.3 24.88N 122.02E 116–0 4.0L,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=100.9km s-min=30.9km az=113.0.
JMA Event type ke. TAIWAN REGION .
TAP A.
ISC V 02 13 15 10.2–1.4 24.85N–.04 122.10E–.03 110–6 137 0-3
TAP V 02 13 15 10.6 24.85N 122.10E 105–0 2.9L ¶614645145
JMA V 02 13 15 11.0–.26 25N–3.0 122E–1.0 102 2.0
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
ISC V 02 17 20 07.9–1.5 22.76N–.03 122.61E–.03 20–4 148 1-3
JMA V 02 17 20 10.2–.60 23N–3.0 123E–1.0 54 2.4 ¶614645158
TAP V 02 17 20 11.4 22.71N 122.50E 50–1 2.7L
ISC Event type ke.
JMA Event type ke. FAR S OFF ISHIGAKIJIMA .
TAP D.
ISC V 03 13 17 46.4–.96 24.63N–.04 122.78E–.02 25–8 94 0-2
JMA V 03 13 17 45.9–.09 24.7N–.60 122.8E–.30 18–1 2.2 ¶614645219
TAP V 03 13 17 46.6 24.59N 122.80E 26–0 3.0L
ISC Event type ke.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
TAP C.
ISC V 03 14 30 22.6–1.4 21.52N–.03 121.79E–.06 133–8 156 1-5
TAP V 03 14 30 24.0 21.59N 121.75E 131–0 3.5L ¶614645228
MAN V 03 14 30 26.5 20.85N 123.14E 33 4.0b,2.8L
ISC Event type ke.
TAP D.
ISC V 03 18 24 31.2–1.4 24.61N–.05 122.55E–.03 94–8 137 0-3
JMA V 03 18 24 30.7–.14 25N–1.0 122.5E–.40 96–1 1.9 ¶614645259
TAP V 03 18 24 30.2 24.65N 122.56E 102–0 2.9L
ISC Event type ke.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
TAP C.
ISC V 03 21 02 24.8–1.0 24.75N–.03 122.42E–.02 25–11 94 0-2
TAP V 03 21 02 24.7 24.73N 122.41E 23–0 2.6L ¶612489639
JMA V 03 21 02 25.6–.21 25N–2.0 122.4E–.50 39–2 2.1
ISC Event type ke.
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
TAP V 04 19 14 28.7 24.92N 122.33E 17–0 2.0L
¶614645373
TAP D.
ISC V 05 12 16 51.9–.78 21.30N–.03 121.80E–.04 138–6 3.3b 244 1-85
JMA V 05 12 16 52.0–.93 21N–4.0 122E–3.0 87 3.7 ¶610689608
TAP V 05 12 16 51.7 21.39N 121.78E 147–0 4.6L
ASIES V 05 12 16 51.7 21.39N 121.78E 147 4.6L,3.8W

IDC V 05 12 16 52.8–9.1 21.20N 122.03E 145–90 3.6,3.1b
MAN V 05 12 16 54.0 21.19N 121.65E 108 4.6b,3.5L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP D.
ASIES Moment Tensor Solution. Moment tensor: Scale 10^{21}Nm; M_{rr}-0.82 $M_{\theta\theta}$-4.74 $M_{\phi\phi}$5.56 $M_{r\theta}$-0.57 $M_{\theta\phi}$2.42 $M_{\phi r}$1.26 NP1:ϕ_s147.89000°,δ88.90000°,λ-166.22000°. NP2:ϕ_s57.62000°,δ76.22000°,λ-1.13000°. Principal axes: T Plg8.9100°,Azm281.9270°; N Plg76.1750°,Azm152.3540°; P Plg10.4850°,Azm13.5900° $M_0$5.89560×10^{21}
IDC Error ellipse: s-maj=54.2km s-min=17.2km az=75.0.
ISC V 07 12 57 20.6–.74 22.93N–.01 121.00E–.01 14–4 3.4b 217 0-48
TAP V 07 12 57 19.9 22.94N 120.98E 7–0 3.9L ¶610689725
JMA V 07 12 57 19.7–.36 22.9N–1.0 121E–1.0 0 3.3
IDC V 07 12 57 19.5–1.2 22.68N 120.98E 0 3.6,3.5b
ASIES V 07 12 57 19.9 22.94N 120.98E 7 3.9L,3.5W
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
IDC Error ellipse: s-maj=45.6km s-min=22.0km az=71.0.
ASIES Moment Tensor Solution. Moment tensor: Scale 10^{21}Nm; M_{rr}-2.36 $M_{\theta\theta}$0.63 $M_{\phi\phi}$1.73 $M_{r\theta}$-0.68 $M_{\theta\phi}$-1.01 $M_{\phi r}$0.86 NP1:ϕ_s146.22000°,δ57.51000°,λ-93.32000°. NP2:ϕ_s332.38000°,δ32.64000°,λ-84.81000°. Principal axes: T Plg12.4520°,Azm238.6240°; N Plg2.7970°,Azm148.0060°; P Plg77.2280°,Azm45.5620° $M_0$2.58791×10^{21}
ISC V 07 13 16 12.8–2.2 25.06N–.09 122.9E–.10 35 55 1-3
TAP V 07 13 16 12.5 25.09N 122.82E 43–1 2.6L ¶614645639
JMA V 07 13 16 14.4–.21 25N–1.0 122.7E–.70 33–3 1.9
ISC Event type ke.
TAP D.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
TAP V 07 17 14 05.4 24.29N 122.12E 31–0 1.7L
¶614645698
TAP B.
ISC V 08 07 52 06.1–.91 24.59N–.02 122.60E–.02 19–2 4.1b,3.0s 253 0-54
IDC V 08 07 52 04.5–1.2 24.48N 122.16E 0 3.8,3.8b ¶610689782
TAP V 08 07 52 05.6 24.60N 122.61E 23–0 4.1L,3.8b
JMA V 08 07 52 05.8–.08 24.6N–.80 122.6E–.30 20–1 3.9,3.5
NEIC V 08 07 52 05.6–1.4 24.64N–.05 122.58E–.03 13–6 4.3b,3.5
ASIES V 08 07 52 05.6 24.60N 122.61E 23 4.1L,3.8W
ISC Event type ke.
IDC Error ellipse: s-maj=43.7km s-min=22.9km az=67.0.
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
NEIC Event type se. Error ellipse: s-maj=7.9km s-min=3.1km az=193.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ASIES Moment Tensor Solution. Moment tensor: Scale 10^{21}Nm; M_{rr}-0.84 $M_{\theta\theta}$6.74 $M_{\phi\phi}$-1.78 $M_{r\theta}$-0.95 $M_{\theta\phi}$-1.29 $M_{\phi r}$-2.50 NP1:ϕ_s60.56000°,δ67.19000°,λ-146.93000°. NP2:ϕ_s316.40000°,δ59.81000°,λ-26.65000°. Principal axes: T Plg4.6710°,Azm187.0470°; N Plg50.5820°,Azm91.3420°; P Plg39.0300°,Azm280.8450° $M_0$5.78567×10^{21}
ISC V 08 09 41 42.2–1.1 24.95N–.02 122.27E–.02 14–7 3.7b 224 0-82
IDC V 08 09 41 40.2–1.0 24.96N 122.38E 0 3.7,3.7b ¶610689790
JMA V 08 09 41 42.7–.17 25.0N–.90 122.3E–.40 48–3 3.3,3.7b
TAP V 08 09 41 43.5 24.93N 122.19E 16–0 3.9L,3.7b
ASIES V 08 09 41 43.5 24.93N 122.19E 16 3.9L,3.7W
ISC Event type ke.
IDC Error ellipse: s-maj=62.6km s-min=19.8km az=65.0.
JMA Event type ke. TAIWAN REGION .
TAP C.
ASIES Moment Tensor Solution. Moment tensor: Scale 10^{21}Nm; M_{rr}-1.77 $M_{\theta\theta}$2.61 $M_{\phi\phi}$-1.17 $M_{r\theta}$-0.76 $M_{\theta\phi}$1.91 $M_{\phi r}$-2.24 NP1:ϕ_s32.41000°,δ72.67000°,λ-132.03000°. NP2:ϕ_s284.12000°,δ44.84000°,λ-24.99000°. Principal axes: T Plg16.9030°,Azm152.0650°; N Plg39.7260°,Azm47.4380°; P Plg45.4010°,Azm260.0130° $M_0$3.85781×10^{21}
ISC V 08 14 42 53.2–.98 24.12N–.02 122.39E–.02 33–8 196 0-3
JMA V 08 14 42 52.1–.10 24N–1.0 122.4E–.30 38–2 3.5 ¶614645818
TAP V 08 14 42 52.4 24.17N 122.38E 42–0 4.0L
ASIES V 08 14 42 52.4 24.17N 122.38E 42 4.0L,3.5W
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP C.
ASIES Moment Tensor Solution. Moment tensor: Scale 10^{21}Nm; M_{rr}-0.00 $M_{\theta\theta}$0.86 $M_{\phi\phi}$-0.86 $M_{r\theta}$0.99 $M_{\theta\phi}$0.73 $M_{\phi r}$1.36 NP1:ϕ_s209.05000°,δ89.74000°,λ-123.66000°. NP2:ϕ_s118.66000°,δ33.67000°,λ-0.47000°. Principal axes: T Plg35.8220°,Azm327.9640°; N Plg33.6690°,Azm209.2250°; P Plg36.2780°,Azm89.9550° $M_0$2.02563×10^{21}
ISC V 08 21 18 51.6–1.4 24.52N–.04 122.64E–.03 89–7 170 0-3
TAP V 08 21 18 51.0 24.57N 122.65E 92–0 3.4L ¶614645863
JMA V 08 21 18 51.3–.27 25N–4.0 122.6E–.80 90–1 2.5
ISC Event type ke.
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC V 09 11 33 50.5–1.0 24.65N–.03 122.60E–.02 18–4 92 0-2
JMA V 09 11 33 50.8–.12 25N–1.0 122.6E–.40 18–1 2.1 ¶614645895
TAP V 09 11 33 50.2 24.64N 122.60E 17–1 2.9L
ISC Event type ke.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
TAP C.
ISC V 10 01 51 37.8–.95 21.09N–.05 121.95E–.06 170–6 3.4b 144 1-86
IDC V 10 01 51 18.9–1.4 21.18N 122.71E 0 3.6,3.6b ¶610689926
TAP V 10 01 51 38.8 21.17N 121.87E 178–0 4.2L,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=38.4km s-min=31.0km az=64.0.
TAP D.
ISC V 10 21 32 32.4–.81 22.82N–.02 121.32E–.02 16–5 161 0-4
TAP V 10 21 32 32.3 22.83N 121.27E 9–0 3.0L ¶612489687
JMA V 10 21 32 34.0–.28 23.0N–.80 121.5E–1.0 2 3.0L
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
ISC V 10 23 12 10.4–1.0 23.93N–.03 122.61E–.02 26–11 118 0-2
TAP V 10 23 12 10.1 23.92N 122.64E 25–0 3.1L ¶614646040
JMA V 10 23 12 11.4–.21 24N–1.0 122.6E–.70 28 2.6
ISC Event type ke.
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
TAP V 11 22 08 23.3 22.94N 121.14E 18–1 1.4L
¶614646132
TAP C.
ISC V 14 07 12 06.5–1.4 24.59N–.05 122.92E–.02 94–7 130 0-3
JMA V 14 07 12 05.7–.17 25N–2.0 122.9E–.60 94–1 2.2 ¶614646404
TAP V 14 07 12 05.7 24.66N 122.94E 93–0 3.0L
ISC Event type ke.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
TAP D.
ISC V 14 18 01 21.1–.98 24.91N–.03 122.23E–.02 12–7 128 0-2
TAP V 14 18 01 20.8 24.95N 122.22E 13–0 2.7L ¶614646449
JMA V 14 18 01 21.6–.11 24.9N–.80 122.2E–.40 5 2.7L
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
TAP V 14 18 56 25.5 24.80N 122.67E 15–1 2.0L
¶614646457
TAP C.
ISC V 15 16 44 29.0–1.1 24.85N–.03 122.66E–.02 12–8 117 0-46
IDC V 15 16 44 29.4–1.9 24.24N 121.65E 0 3.5,3.5b ¶610690345
JMA V 15 16 44 29.6–.17 25N–1.0 122.7E–.60 35–2 2.5,3.5b
TAP V 15 16 44 29.1 24.86N 122.63E 13–0 3.0L,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=72.1km s-min=32.3km az=68.0.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
TAP D.
ISC V 15 21 57 02.5–1.7 24.95N–.06 122.23E–.03 151–9 126 0-3
TAP V 15 21 57 03.2 24.95N 122.25E 147–0 3.1L ¶614646615
JMA V 15 21 57 03.6–.29 25N–2.0 122.2E–.70 143–2 2.3
ISC Event type ke.
TAP D.
JMA Event type ke. TAIWAN REGION .
ISC V 16 01 13 48.6–1.2 24.04N–.03 122.53E–.02 48–10 164 0-3
JMA V 16 01 13 47.5–.17 24N–2.0 122.5E–.50 61–4 2.3 ¶614646646
TAP V 16 01 13 48.1 24.07N 122.51E 56–0 3.4L
ISC Event type ke.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
TAP C.
ISC V 16 10 52 41.7–1.2 24.89N–.03 122.69E–.02 8–9 3.5b 91 0-82
JMA V 16 10 52 43.2–.20 25N–2.0 122.7E–.70 33–3 2.7 ¶610690412
TAP V 16 10 52 43.4 24.86N 122.63E 15–1 3.5L
ASIES V 16 10 52 43.4 24.86N 122.63E 15 3.8W,3.5L
IDC V 16 10 52 57.1–.87 24.87N 122.68E 148–7 3.6,3.1b
ISC Event type ke.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
TAP D.
ASIES Moment Tensor Solution. Moment tensor: Scale 10^{21}Nm; M_{rr}-1.82 $M_{\theta\theta}$1.44 $M_{\phi\phi}$0.37 $M_{r\theta}$-4.77 $M_{\theta\phi}$2.44 $M_{\phi r}$-0.66 NP1:ϕ_s80.43000°,δ78.94000°,λ-67.92000°. NP2:ϕ_s195.73000°,δ24.57000°,λ-152.53000°. Principal axes: T Plg30.4940°,Azm152.4570°; N Plg21.6490°,Azm255.9750°; P Plg51.1420°,Azm15.4900° $M_0$5.65167×10^{21}
IDC Error ellipse: s-maj=34.2km s-min=15.7km az=68.0.
ISC V 16 10 53 16.3–1.1 24.88N–.04 122.62E–.02 12–8 3.5b 61 1-82
TAP V 16 10 53 15.2 24.92N 122.67E 9–1 3.5L ¶614646685
JMA V 16 10 53 16.8–.25 24.8N–.90 122.6E–.70 8–3 3.2
ISC Event type ke.
TAP D.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC V 16 11 03 05.1–.68 24.82N–.03 122.65E–.02 26–5 4.5b,4.2s 237 0-93
TAP V 16 11 03 00.5 25.06N 122.85E 62–0 4.6L,4.2s ¶610641632
BJI V 16 11 03 02.8–.00 24.85N 122.61E 7 4.8s,4.7b
JMA V 16 11 03 03.7–.16 25N–1.0 122.7E–.60 33–2 4.6,3.6
NIED V 16 11 03 03.7 24.88N 122.68E 33 4.6W,3.6
NEIC V 16 11 03 05.1–1.5 24.77N–.08 122.47E–.06 24–6 4.6b,3.6
GCMT V 16 11 03 05.1–.40 24.86N–.02 122.63E–.05 18–1 4.8W,3.6
IDC V 16 11 03 12.1–3.7 24.96N 122.82E 88–35 4.0s,4.0
ISC Event type ke.
TAP D.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.86 $M_{\theta\theta}$1.00 $M_{\phi\phi}$-0.14 $M_{r\theta}$-0.42 $M_{\theta\phi}$-0.01 $M_{\phi r}$-0.10 NP1:ϕ_s84.00000°,δ58.00000°,λ-98.00000°. NP2:ϕ_s279.00000°,δ33.00000°,λ-77.00000°. $M_0$1.03000×10^{16}
NEIC Event type se. Error ellipse: s-maj=12.9km s-min=6.1km az=206.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s17,c17; s67,c84;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.64±.18 $M_{\theta\theta}$1.80±.12; $M_{\phi\phi}$-0.16±.11; $M_{r\theta}$0.10±.20; $M_{\theta\phi}$0.65±.09; $M_{\phi r}$-1.52±.34; Best double couple: NP1:ϕ_s43.00000°,δ60.00000°,λ-128.00000°. NP2:ϕ_s280.00000°,δ47.00000°,λ-43.00000°. Principal axes: T 2.0350,Plg7.0000°,Azm159.0000°; N 0.5950,Plg32.0000°,Azm64.0000°; P -2.6330,Plg57.0000°,Azm260.0000° $M_0$2.33400×10^{16}
IDC Error ellipse: s-maj=19.0km s-min=14.0km az=73.0.
ISC V 16 11 07 50.9–1.2 24.83N–.04 122.58E–.03 7–10 60 0-2
JMA V 16 11 07 50.5–.13 24.8N–.80 122.6E–.50 0 2.3 ¶614646692
TAP V 16 11 07 51.5 24.84N 122.51E 7–1 3.0L
ISC Event type ke.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
TAP D.
ISC V 16 11 34 02.8–.94 24.78N–.03 122.71E–.02 16 114 0-3
TAP V 16 11 34 02.8 24.87N 122.63E 5–0 3.4L ¶612489724
JMA V 16 11 34 03.8–.17 25N–1.0 122.7E–.60 32–2 2.7
ISC Event type ke.
TAP D.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC V 16 11 58 28.1–1.0 24.83N–.04 122.65E–.03 16 69 0-3
TAP V 16 11 58 28.0 24.90N 122.60E 11–1 2.7L ¶612489726
JMA V 16 11 58 32.0–.33 25N–5.0 123E–1.0 21 1.7
ISC Event type ke.
TAP D.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
TAP V 16 19 36 20.0 23.95N 122.45E 13–0 2.2L
¶614646761
TAP D.
TAP V 16 19 36 32.4 22.93N 121.41E 18–1 1.6L
¶614646764
TAP C.
TAP V 16 20 10 28.4 24.89N 122.44E 9–2 1.9L
¶614646773
TAP D.
ISC V 17 07 01 08.1–1.0 23.47N–.02 122.14E–.02 16–8 225 1-5
JMA V 17 07 01 09.8–.35 24N–2.0 122.1E–.60 27 3.3 ¶612489732
TAP V 17 07 01 10.7 23.49N 122.13E 39–0 3.8L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP D.
TAP V 17 11 51 35.1 24.72N 122.32E 102–0 2.7L
JMA V 17 11 51 35.3–.24 25N–4.0 122.4E–.90 98–2 1.9 ¶614646804
TAP C.
JMA Event type ke. TAIWAN REGION .
TAP V 17 14 23 01.3 24.94N 122.12E 12–0 1.7L
¶614646812
TAP D.
ISC V 17 17 04 20.4–1.0 24.75N–.02 122.29E–.02 9–8 157 0-69
TAP V 17 17 04 20.1 24.75N 122.26E 7–1 3.9L ¶610690504
JMA V 17 17 04 20.8–.13 24.7N–.70 122.3E–.30 48–3 3.1
ASIES V 17 17 04 20.1 24.75N 122.26E 7 3.9L,3.2W
IDC V 17 17 04 24.7–5.8 24.10N 122.96E 0 4.1b,3.9
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
ASIES Moment Tensor Solution. Moment tensor: Scale 10^{20}Nm; M_{rr}-0.04 $M_{\theta\theta}$3.38 $M_{\phi\phi}$-3.34 $M_{r\theta}$3.30 $M_{\theta\phi}$-1.06 $M_{\phi r}$-7.98 NP1:ϕ_s153.22000°,δ88.67000°,λ68.96000°. NP2:ϕ_s59.78000°,δ21.08000°,λ176.31000°. Principal axes: T Plg42.5440°,Azm43.0680°; N Plg21.0340°,Azm153.7340°; P Plg40.0470°,Azm262.5910° $M_0$9.32508×10^{20}
IDC Error ellipse: s-maj=293.6km s-min=41.0km az=96.0.
ISC V 19 15 52 51.2–1.4 24.77N–.04 122.22E–.03 78–7 159 0-3
TAP V 19 15 52 50.5 24.78N 122.21E 83–0 3.1L ¶612489759
JMA V 19 15 52 50.0–.19 24.8N–.80 122.2E–.40 85–2 2.1
ISC Event type ke.
TAP B.
JMA Event type ke. TAIWAN REGION .
ISC V 20 08 47 08.1–1.1 23.84N–.02 122.80E–.02 10–8 3.6b 222 1-79
TAP V 20 08 47 09.6 23.93N 122.82E 24–0 3.6L ¶610667706
ASIES V 20 08 47 09.6 23.93N 122.82E 24 3.6L,3.5W
JMA V 20 08 47 10.7–.20 24N–2.0 122.8E–.60 34–4 3.6,3.5W
NIED V 20 08 47 10.7 24.00N 122.77E 34 3.6W,3.5W
IDC V 20 08 47 13.0–16 23.42N 123.82E 0 3.7,3.6b
ISC Event type ke.
TAP D.
ASIES Moment Tensor Solution. Moment tensor: Scale 10^{21}Nm; M_{rr}0.45 $M_{\theta\theta}$-2.03 $M_{\phi\phi}$1.58 $M_{r\theta}$0.56 $M_{\theta\phi}$0.45 $M_{\phi r}$-1.56 NP1:ϕ_s139.04000°,δ79.43000°,λ140.43000°. NP2:ϕ_s237.65000°,δ51.23000°,λ13.60000°. Principal axes: T Plg34.9190°,Azm90.7010°; N Plg49.2710°,Azm306.5260°; P Plg18.2490°,Azm194.0090° $M_0$2.52456×10^{21}
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
NIED Moment Tensor Solution. s2 Moment tensor: Scale 10^{14}Nm; M_{rr}-2.36 $M_{\theta\theta}$-0.91 $M_{\phi\phi}$3.26 $M_{r\theta}$0.50 $M_{\theta\phi}$-0.18 $M_{\phi r}$-0.31 NP1:ϕ_s342.00000°,δ51.00000°,λ-112.00000°. NP2:ϕ_s194.00000°,δ44.00000°,λ-65.00000°. $M_0$2.91000×10^{14}
IDC Error ellipse: s-maj=457.1km s-min=38.3km az=118.0.
ISC V 20 13 06 20.8–1.3 24.94N–.05 122.71E–.04 26–12 67 1-2

TAP V 20 13 06 20.9 24.94N 122.70E 23–0 2.6L ¶614647076
JMA V 20 13 06 22.1–.42 25N–2.0 123E–2.0 34 1.9
ISC Event type ke.
TAP D.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC V 21 22 09 30.9–.89 22.80N–.02 121.44E–.02 27–5 167 0-4
JMA V 21 22 09 31.9–.32 23N–1.0 121.5E–.80 2 3.3 ¶612489780
TAP V 21 22 09 32.2 22.84N 121.31E 20–0 3.2L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP C.
ISC V 22 03 01 09.7–1.5 24.54N–.07 122.76E–.03 79–8 54 0-2
JMA V 22 03 01 09.7–.14 25N–2.0 122.8E–.50 76–0 1.9 ¶614647242
TAP V 22 03 01 09.6 24.60N 122.75E 75–0 3.1L
ISC Event type ke.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
TAP C.
ISC V 24 04 27 18.8–1.2 24.91N–.05 122.72E–.03 16–10 52 0-2
TAP V 24 04 27 19.2 24.88N 122.69E 13–1 3.1L ¶612489800
JMA V 24 04 27 20.9–.33 25N–2.0 123E–2.0 42 2.2
ISC Event type ke.
TAP D.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC V 24 14 20 17.3–1.1 23.61N–.03 122.57E–.03 26–12 139 1-2
TAP V 24 14 20 19.5 23.75N 122.53E 25–1 2.6L ¶614647668
JMA V 24 14 20 20.8–.21 24N–2.0 122.4E–.70 63 2.1
ISC Event type ke.
TAP D.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC V 26 02 18 25.5–2.1 25.21N–.08 122.71E–.03 189–12 122 1-3
TAP V 26 02 18 24.6 25.33N 122.75E 190–0 3.8L ¶614648021
JMA V 26 02 18 25.5–.30 25N–4.0 122.7E–1.0 182–4 3.4
ISC Event type ke.
TAP D.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC V 26 11 24 51.0–1.3 24.49N–.04 122.64E–.02 66–7 128 0-3
JMA V 26 11 24 50.6–.15 24N–2.0 122.6E–.50 68–1 1.8 ¶614648054
TAP V 26 11 24 51.1 24.54N 122.64E 64–0 2.7L
ISC Event type ke.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
TAP C.
ISC V 27 04 05 22.3–1.4 24.89N–.05 122.70E–.03 11–13 41 0-2
TAP V 27 04 05 23.2 24.90N 122.67E 14–0 3.0L ¶614648170
JMA V 27 04 05 24.1–.28 25N–2.0 123E–1.0 36–3 2.3
ISC Event type ke.
TAP D.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC V 27 04 24 36.6–1.1 24.97N–.04 122.78E–.03 30–11 101 1-3
TAP V 27 04 24 35.5 25.02N 122.80E 40–0 3.4L ¶614648173
JMA V 27 04 24 38.2–.28 24N–1.0 122.8E–1.0 19 2.3
ISC Event type ke.
TAP D.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC V 27 07 00 55.1–1.1 24.92N–.03 122.37E–.02 10–9 101 0-2
TAP V 27 07 00 56.3 24.93N 122.30E 13–0 3.5L ¶612489844
ASIES V 27 07 00 56.3 24.93N 122.30E 13 3.5L,3.2W
JMA V 27 07 00 57.1–.19 25N–1.0 122.3E–.50 47–4 2.9,3.2W
ISC Event type ke.
TAP C.
ASIES Moment Tensor Solution. Moment tensor: Scale 10^{20}Nm; M_{rr}-4.57 $M_{\theta\theta}$5.63 $M_{\phi\phi}$-1.06 $M_{r\theta}$5.10 $M_{\theta\phi}$3.02 $M_{\phi r}$-2.81 NP1:ϕ_s280.81000°,δ70.27000°,λ-58.08000°. NP2:ϕ_s39.27000°,δ36.97000° ,λ-145.84000°. Principal axes: T Plg19.0360°,Azm347.5100°; N Plg29.8440°,Azm88.9270° ; P Plg53.4870°,Azm229.7310° $M_0$8.36138×10^{20}
JMA Event type ke. TAIWAN REGION .
ISC V 27 08 57 59.9–1.4 24.93N–.04 122.71E–.02 5–10 3.5b 89 1-82
JMA V 27 08 58 00.9–.18 25N–1.0 122.7E–.50 29–2 2.8 ¶614832877
TAP V 27 08 58 01.2 24.89N 122.66E 8–1 3.4L
IDC V 27 08 58 22.8–5.9 24.87N 122.56E 215–60 3.6,3.0b
ISC Event type ke.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
TAP D.
IDC Error ellipse: s-maj=37.9km s-min=17.6km az=72.0.
TAP V 27 08 58 36.5 24.91N 122.74E 47–1 3.3L
¶614648185
TAP D.
ISC V 28 07 31 09.3–.80 24.89N–.03 122.91E–.02 145–5 3.7b 296 0-49
TAP V 28 07 31 09.6 24.91N 122.91E 140–0 4.7L ¶610685546
IDC V 28 07 31 09.5–6.7 25.09N 123.08E 144–72 4.0,3.4b
JMA V 28 07 31 10.2–.22 25N–2.0 122.9E–.60 134–2 3.6,3.4b
ISC Event type ke.
TAP B.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC V 28 09 04 09.5–1.5 24.52N–.06 122.93E–.03 102–9 76 0-2
TAP V 28 09 04 07.8 24.63N 122.99E 107–0 2.8L ¶614648314
JMA V 28 09 04 09.7–.11 25N–2.0 123.0E–.40 99–1 1.6
ISC Event type ke.
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC V 28 16 13 37.5–1.6 24.98N–.07 122.73E–.04 22–10 46 1-3
TAP V 28 16 13 37.0 25.02N 122.79E 39–1 2.5L ¶614648329
JMA V 28 16 13 39.0–.25 25N–1.0 123E–1.0 24 1.6
ISC Event type ke.
TAP D.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC V 28 18 23 17.1–1.4 24.90N–.05 122.68E–.03 8–11 49 1-2
TAP V 28 18 23 17.4 24.88N 122.65E 6–1 2.5L ¶614648355
JMA V 28 18 23 18.3–.38 25N–2.0 123E–2.0 25 2.1
ISC Event type ke.
TAP D.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC V 28 18 36 45.0–1.2 24.91N–.04 122.70E–.03 14–10 53 1-2
TAP V 28 18 36 43.9 24.96N 122.70E 8–0 2.8L ¶614648359
JMA V 28 18 36 45.4–.25 25N–1.0 123E–1.0 20 2.2
ISC Event type ke.
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC V 28 18 42 25.7–2.5 25.4N–.10 122.27E–.05 238–16 71 0-4
TAP V 28 18 42 24.5 25.33N 122.38E 255–1 3.3L ¶614648360
JMA V 28 18 42 28.1–.24 26N–1.0 122E–1.0 201 2.9
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
ISC V 28 19 27 13.7–.00 24.83N–.03 122.67E–.02 16–6 4.6s,4.2b 233 0-86
TAP V 28 19 27 12.8 24.85N 122.63E 12–1 4.0L,4.2b ¶610655260
ASIES V 28 19 27 12.8 24.85N 122.63E 12 4.6W,4.0L
NEIC V 28 19 27 13.7–2.5 24.88N–.06 122.66E–.08 16–3 4.4b,4.0L
JMA V 28 19 27 13.6–.14 25N–1.0 122.7E–.50 36–2 4.7,3.6
NIED V 28 19 27 13.6 24.82N 122.69E 36 4.7W,3.6
BJI V 28 19 27 15.5–.00 24.95N 122.53E 21 5.3s,5.1
IDC V 28 19 27 18.7–4.3 24.83N 122.64E 59–42 4.4s,4.1
ISC Event type ke.
TAP D.
ASIES Moment Tensor Solution. Moment tensor: Scale 10^{22}Nm; M_{rr}-7.54 $M_{\theta\theta}$8.46 $M_{\phi\phi}$-0.93 $M_{r\theta}$-4.35 $M_{\theta\phi}$-0.07 $M_{\phi r}$0.11 NP1:ϕ_s90.94000°,δ59.26000°,λ-89.43000°. NP2:ϕ_s269.82000° ,δ30.74000°,λ-90.96000°. Principal axes: T Plg14.2630°,Azm180.5200°; N Plg0.4910° ,Azm270.6450°; P Plg75.7280°,Azm2.5750° $M_0$9.14105×10^{22}
NEIC Event type se. Error ellipse: s-maj=13.6km s-min=3.3km az=52.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.20 $M_{\theta\theta}$1.25 $M_{\phi\phi}$-0.04 $M_{r\theta}$-0.12 $M_{\theta\phi}$0.04 $M_{\phi r}$-0.40 NP1:ϕ_s72.00000°,δ51.00000°,λ-112.00000°. NP2:ϕ_s284.00000° ,δ44.00000°,λ-65.00000°. $M_0$1.29000×10^{16}
IDC Error ellipse: s-maj=26.2km s-min=14.4km az=68.0.
ISC V 28 19 29 17.9–.50 24.90N–.02 122.69E–.02 16–3 4.6b,4.4s 337 1-95
TAP V 28 19 29 17.3 24.91N 122.67E 14–1 4.8L,4.4s ¶610655266
NEIC V 28 19 29 17.4–1.4 24.94N–.07 122.66E–.07 10–1 4.7b,4.4s
ASIES V 28 19 29 17.3 24.91N 122.67E 14 5.0W,4.8L
JMA V 28 19 29 17.3–.28 25N–2.0 122.7E–.90 29–4 5.1,3.9
NIED V 28 19 29 17.3 24.93N 122.72E 29 5.0W,3.9
GCMT V 28 19 29 18.4–.20 24.80N–.01 122.52E–.02 12 5.0W,3.9
BJI V 28 19 29 18.8–.00 25.00N 122.60E 20 5.3s,5.1
IDC V 28 19 29 27.7–2.1 24.94N 122.77E 100–20 4.3s,4.2
ISC Event type ke.
TAP D.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=9.6km az=151.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ASIES Moment Tensor Solution. Moment tensor: Scale 10^{23}Nm; M_{rr}-2.04 $M_{\theta\theta}$2.32 $M_{\phi\phi}$-0.28 $M_{r\theta}$-2.54 $M_{\theta\phi}$-0.09 $M_{\phi r}$-0.13 NP1:ϕ_s87.93000°,δ69.71000°,λ-93.14000°. NP2:ϕ_s276.93000° ,δ20.52000°,λ-81.57000°. Principal axes: T Plg24.6490°,Azm180.3810°; N Plg2.9460° ,Azm89.0280°; P Plg65.1520°,Azm352.6480° $M_0$3.36163×10^{23}
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.77 $M_{\theta\theta}$3.10 $M_{\phi\phi}$-0.33 $M_{r\theta}$-1.00 $M_{\theta\phi}$-0.23 $M_{\phi r}$-0.49 NP1:ϕ_s83.00000°,δ55.00000°,λ-104.00000°. NP2:ϕ_s286.00000° ,δ37.00000°,λ-71.00000°. $M_0$3.15000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s49,c63; s114,c189;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.32±.08 $M_{\theta\theta}$3.90±.06; $M_{\phi\phi}$-0.57±.08; $M_{r\theta}$-0.74±.20; $M_{\theta\phi}$-0.26±.06; $M_{\phi r}$0.30±.27; Best double couple: NP1:ϕ_s98.00000°,δ51.00000°,λ-83.00000°. NP2:ϕ_s268.00000°,δ39.00000°,λ-98.00000°. Principal axes: T 3.9940,Plg6.0000° ,Azm184.0000°; N -0.5680,Plg5.0000°,Azm274.0000°; P -3.4210,Plg82.0000°,Azm45.0000° $M_0$3.70700×10^{16}
IDC Error ellipse: s-maj=15.6km s-min=12.6km az=80.0.
ISC V 28 19 51 24.0–1.2 24.89N–.04 122.66E–.03 15–9 81 1-2
TAP V 28 19 51 23.3 24.91N 122.67E 9–0 3.1L ¶614648390
JMA V 28 19 51 24.4–.09 24.9N–.50 122.7E–.30 20–1 2.5
ISC Event type ke.
TAP D.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC V 28 19 53 43.9–1.6 25.09N–.07 122.77E–.03 9–10 55 1-2
JMA V 28 19 53 45.8–.29 25N–1.0 122.7E–.80 24–3 2.6 ¶614648391
TAP V 28 19 53 45.6 25.04N 122.85E 36–1 3.3L
ISC Event type ke.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
TAP D.
ISC V 28 20 01 45.9–1.4 24.86N–.04 122.62E–.02 1–10 3.6b 110 1-82
TAP V 28 20 01 47.0 24.85N 122.58E 12–1 3.5L ¶610685570
JMA V 28 20 01 47.3–.22 25N–2.0 122.6E–.80 31–3 2.8
IDC V 28 20 02 03.9–6.3 24.74N 122.28E 160–63 3.7,3.2s
ISC Event type ke.
TAP D.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
IDC Error ellipse: s-maj=42.3km s-min=17.0km az=67.0.
ISC V 28 20 07 39.3–1.3 24.85N–.04 122.63E–.03 15–10 64 0-2
TAP V 28 20 07 38.8 24.85N 122.59E 2–1 2.9L ¶614648394
JMA V 28 20 07 40.2–.33 25N–2.0 123E–1.0 30 2.2
ISC Event type ke.
TAP D.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC V 28 20 26 23.5–1.1 24.85N–.04 122.64E–.03 24–13 51 0-1
TAP V 28 20 26 23.9 24.81N 122.59E 16–2 2.6L ¶614648404
JMA V 28 20 26 23.2–.18 24.9N–1.0 122.7E–.70 25–2 2.1
ISC Event type ke.
TAP D.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC V 28 20 27 01.5–1.1 24.75N–.06 122.65E–.04 10 32 0-1
JMA V 28 20 27 01.6–.43 25N–3.0 123E–2.0 29 2.3 ¶614648407
TAP V 28 20 27 03.3 24.64N 122.65E 44–0 2.9L
ISC Event type ke.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
TAP C.
ISC V 28 20 30 32.8–1.1 24.87N–.04 122.60E–.03 26–12 51 1-2
TAP V 28 20 30 32.6 24.89N 122.63E 31–1 3.0L ¶614648408
JMA V 28 20 30 33.4–.29 25N–2.0 123E–1.0 16 2.3
ISC Event type ke.
TAP D.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC V 28 20 33 35.0–1.2 24.84N–.03 122.69E–.02 5–10 3.6b 96 0-49
JMA V 28 20 33 36.9–.12 25N–1.0 122.7E–.50 34–2 2.7 ¶610685572
TAP V 28 20 33 36.2 24.90N 122.68E 26–1 3.3L
IDC V 28 20 33 38.2–1.3 24.60N 121.48E 0 3.6,3.6b
ISC Event type ke.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
TAP D.
IDC Error ellipse: s-maj=66.2km s-min=20.3km az=67.0.
TAP V 28 20 51 01.3 24.83N 122.66E 39–1 2.2L
¶614648421
TAP C.
ISC V 28 20 52 23.7–1.2 24.89N–.05 122.69E–.03 27–13 56 0-2
TAP V 28 20 52 23.4 24.89N 122.69E 36–1 2.7L ¶614648422
JMA V 28 20 52 24.8–.15 25N–2.0 122.7E–.60 45–2 2.0
ISC Event type ke.
TAP D.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC V 28 20 54 10.1–1.4 24.95N–.05 122.72E–.03 11–11 60 1-2
JMA V 28 20 54 10.9–.27 25N–1.0 122.7E–.90 19–3 2.1 ¶614648423
TAP V 28 20 54 11.3 24.86N 122.72E 39–1 2.8L
ISC Event type ke.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
TAP D.
ISC V 28 21 04 39.7–1.3 24.86N–.07 122.67E–.03 32–11 44 0-2
TAP V 28 21 04 39.2 24.89N 122.71E 43–1 2.8L ¶612489866
JMA V 28 21 04 40.2–.27 25N–2.0 123E–1.0 19 2.2
ISC Event type ke.
TAP D.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC V 28 21 05 40.9–1.4 24.86N–.06 122.65E–.04 16–11 34 0-1
TAP V 28 21 05 40.7 24.88N 122.70E 43–1 2.8L ¶614648428
JMA V 28 21 05 42.3–.28 25N–1.0 123E–1.0 13 2.1
ISC Event type ke.
TAP D.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC V 28 21 10 00.0–1.4 24.81N–.05 122.68E–.04 10–12 58 0-2
TAP V 28 21 10 00.5 24.85N 122.62E 3–0 2.9L ¶612489867
JMA V 28 21 10 02.0–.31 25N–2.0 123E–1.0 38 2.1
ISC Event type ke.
TAP D.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC V 28 21 18 44.5–1.3 24.86N–.05 122.71E–.03 19–3 40 0-1
TAP V 28 21 18 43.4 24.93N 122.74E 62–0 3.1L ¶614648431
JMA V 28 21 18 47.1–.33 25N–2.0 123E–2.0 35 1.9
ISC Event type ke.
TAP D.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC V 28 21 55 42.2–1.5 24.89N–.07 122.71E–.05 28–13 24 0-1
TAP V 28 21 55 43.0 24.84N 122.67E 22–1 2.6L ¶614648435
JMA V 28 21 55 43.4–.22 25N–3.0 122.7E–.90 47–3 2.1
ISC Event type ke.
TAP D.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC V 28 23 20 16.8–1.1 24.90N–.03 122.71E–.02 16–7 3.9b,3.6s 137 0-82
BJI V 28 23 20 16.6–.00 24.78N 122.61E 22 4.4b,4.3s ¶610655272

JMA V 28 23 20 16.4–.23 25N–1.0 122.7E–.70 30–3 3.4,4.3s
NEIC V 28 23 20 16.6–1.6 24.92N–.05 122.67E–.05 10–1 4.2b,4.3s
TAP V 28 23 20 16.6 24.87N 122.70E 36–1 4.2L,4.3s
ASIES V 28 23 20 16.6 24.87N 122.70E 36 4.2W,4.2L
IDC V 28 23 20 33.2–5.4 24.89N 122.52E 159–52 3.9,3.5s
ISC Event type ke.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=5.4km az=48.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TAP D.
ASIES Moment Tensor Solution. Moment tensor: Scale 10^{22}Nm; M_{rr}-0.07 $M_{\theta\theta}$2.54 $M_{\phi\phi}$-2.46 $M_{r\theta}$0.23 $M_{\theta\phi}$1.15 $M_{\phi r}$-0.74 NP1:ϕ_s301.64000°,δ80.30000°,λ-11.86000°. NP2:ϕ_s33.67000°,δ78.31000°,λ-170.09000°. Principal axes: T Plg1.3810°,Azm347.8380°; N Plg74.7190°,Azm82.9000°; P Plg15.2150°,Azm257.4620° $M_0$2.86199×10^{22}
IDC Error ellipse: s-maj=29.8km s-min=16.7km az=67.0.
ISC V 28 23 27 10.0–1.3 24.50N–.04 122.95E–.02 96–7 157 0-3
TAP V 28 23 27 09.5 24.58N 122.94E 97–0 3.6L **¶614648442**
JMA V 28 23 27 09.5–.21 25N–2.0 122.9E–.70 98–1 2.7
ISC Event type ke.
TAP D.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC V 29 01 20 03.4–1.3 24.85N–.06 122.72E–.03 24–13 46 0-2
TAP V 29 01 20 02.2 24.84N 122.82E 43–1 2.9L **¶614648446**
JMA V 29 01 20 04.5–.16 25N–1.0 122.7E–.60 27–2 2.0
ISC Event type ke.
TAP D.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC V 29 02 36 33.2–1.2 24.85N–.06 122.57E–.04 16 24 1-2
TAP V 29 02 36 32.7 24.85N 122.59E 16–2 2.8L **¶614648452**
JMA V 29 02 36 33.0–.18 24.8N–.90 122.6E–.60 5 2.4
ISC Event type ke.
TAP D.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC V 29 03 22 00.7–1.3 24.89N–.06 122.65E–.03 17–10 47 1-2
TAP V 29 03 22 00.1 24.91N 122.68E 17–0 2.8L **¶614648455**
JMA V 29 03 22 01.2–.14 24.9N–.70 122.6E–.50 19–2 2.3
ISC Event type ke.
TAP D.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC V 29 03 46 36.5–1.3 24.87N–.04 122.72E–.03 13–9 3.5b,3.3s 84 0-86
TAP V 29 03 46 35.4 24.90N 122.72E 18–0 3.6L,3.3s **¶610685584**
JMA V 29 03 46 35.8–.23 25N–1.0 122.7E–.70 26–2 3.0,3.3s
IDC V 29 03 46 37.3–1.3 24.58N 121.54E 0 3.7,3.6b
ISC Event type ke.
TAP D.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
IDC Error ellipse: s-maj=68.0km s-min=22.2km az=69.0.
ISC V 29 08 06 17.2–1.5 24.92N–.07 122.72E–.05 31–12 41 1-2
JMA V 29 08 06 16.8–.49 25N–2.0 123E–3.0 23 2.3 **¶614648469**
TAP V 29 08 06 17.8 24.92N 122.70E 10–1 2.7L
ISC Event type ke.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
TAP D.
ISC V 29 08 16 38.6–1.2 24.89N–.04 122.64E–.03 9–9 3.5b,3.1s 55 1-65
JMA V 29 08 16 38.3–.36 25N–1.0 123E–1.0 14–4 2.9,3.1s **¶610685599**
TAP V 29 08 16 38.2 24.93N 122.73E 30–1 3.6L,3.1s
ASIES V 29 08 16 38.2 24.93N 122.73E 30 3.9W,3.6L
IDC V 29 08 16 41.4–1.2 24.69N 121.62E 0 3.7,3.7b
ISC Event type ke.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
TAP D.
ASIES Moment Tensor Solution. Moment tensor: Scale 10^{21}Nm; M_{rr}-2.34 $M_{\theta\theta}$2.77 $M_{\phi\phi}$-0.43 $M_{r\theta}$-4.74 $M_{\theta\phi}$7.56 $M_{\phi r}$0.33 NP1:ϕ_s91.68000°,δ80.92000°,λ-34.67000°. NP2:ϕ_s187.91000°,δ55.82000°,λ-169.00000°. Principal axes: T Plg16.5970°,Azm144.3200°; N Plg54.2990°,Azm258.8240°; P Plg30.5880°,Azm44.1720° $M_0$9.29381×10^{21}
IDC Error ellipse: s-maj=68.0km s-min=20.6km az=68.0.
ISC V 29 09 18 54.4–1.4 24.93N–.05 122.71E–.03 12–12 59 1-3
JMA V 29 09 18 54.8–.36 25N–1.0 123E–2.0 23 2.2 **¶614648475**
TAP V 29 09 18 55.4 24.89N 122.73E 37–1 3.1L
ISC Event type ke.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
TAP D.
JMA V 29 09 25 24.0–.32 24N–3.0 122.3E–.60 50
¶617229499
JMA Event type ke. TAIWAN REGION .
ISC V 29 10 45 53.9–1.2 24.89N–.05 122.68E–.03 29–12 39 1-2
TAP V 29 10 45 54.1 24.88N 122.69E 33–1 2.9L **¶614648480**
JMA V 29 10 45 55.0–.21 25N–2.0 122.7E–.90 37–3 2.1
ISC Event type ke.
TAP D.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC V 29 15 32 40.4–.93 24.55N–.03 122.54E–.02 16–8 88 0-2
JMA V 29 15 32 40.2–.16 25N–1.0 122.5E–.40 14–1 2.0 **¶614648497**
TAP V 29 15 32 40.2 24.51N 122.54E 11–0 2.7L
ISC Event type ke.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
TAP C.
ISC V 29 18 20 23.5–1.3 24.89N–.05 122.57E–.03 8–12 48 1-2
TAP V 29 18 20 23.7 24.93N 122.61E 31–1 2.7L **¶614648505**
JMA V 29 18 20 25.1–.21 25N–1.0 122.5E–.70 11–4 2.7L
ISC Event type ke.
TAP D.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC V 29 18 39 26.9–1.1 22.38N–.02 121.99E–.03 20–5 210 1-4
TAP V 29 18 39 28.6 22.39N 121.97E 37–0 3.4L **¶614648510**
JMA V 29 18 39 29.1–.46 22N–2.0 122E–1.0 51 3.3
ISC Event type ke.
TAP D.
JMA Event type ke. TAIWAN REGION .
ISC V 30 09 07 41.2–1.5 24.64N–.05 122.53E–.03 101–9 100 0-2
TAP V 30 09 07 41.6 24.63N 122.49E 97–0 3.0L **¶614648587**
JMA V 30 09 07 41.2–.19 25N–3.0 122.5E–.50 101–1 1.7
ISC Event type ke.
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
JMA V 31 00 23 58.4–.24 25N–3.0 122.9E–.80 120–2 2.0
¶617229505
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC V 31 04 04 18.2–1.3 22.88N–.04 122.61E–.03 50 141 1-4
JMA V 31 04 04 17.6–.51 23N–2.0 123E–1.0 56 2.7 **¶614648649**
TAP V 31 04 04 18.4 22.87N 122.54E 60–1 3.0L
ISC Event type ke.
JMA Event type ke. FAR S OFF ISHIGAKIJIMA .
TAP D.
ISC V 31 19 28 04.0–1.4 24.87N–.04 122.11E–.03 81–7 132 0-2
TAP V 31 19 28 03.0 24.88N 122.11E 86–0 3.1L **¶614648712**
JMA V 31 19 28 03.2–.14 24.9N–.50 122.1E–.30 83–1 2.1
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
ISC VI 01 00 06 49.4–1.4 24.93N–.05 122.81E–.03 19–3 53 0-3
JMA VI 01 00 06 49.9–.23 25N–1.0 122.8E–1.0 24–2 2.3 **¶614648749**
TAP VI 01 00 06 50.1 24.93N 122.82E 30–1 2.8L
ISC Event type ke.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
TAP D.
ISC VI 02 00 31 25.9–1.0 24.95N–.02 122.25E–.02 16–7 182 0-3
ASIES VI 02 00 31 26.1 24.96N 122.21E 13 3.6L,3.2W **¶612489915**
JMA VI 02 00 31 26.5–.15 25N–1.0 122.2E–.50 40 3.1,3.2W
TAP VI 02 00 31 26.1 24.96N 122.21E 13–0 3.6L,3.2W
ISC Event type ke.
ASIES Moment Tensor Solution. Moment tensor: Scale 10^{20}Nm; M_{rr}-4.28 $M_{\theta\theta}$3.99 $M_{\phi\phi}$0.29 $M_{r\theta}$1.32 $M_{\theta\phi}$4.74 $M_{\phi r}$-2.29 NP1:ϕ_s24.20000°,δ56.97000°,λ-137.06000°. NP2:ϕ_s267.31000°,δ55.17000°,λ-41.60000°. Principal axes: T Plg1.0600°,Azm145.3810°; N Plg37.8670°,Azm54.5570°; P Plg52.1130°,Azm236.7440° $M_0$6.82871×10^{20}
JMA Event type ke. TAIWAN REGION .
TAP C.
ISC VI 02 02 09 31.6–.93 24.03N–.03 122.43E–.02 28–6 91 0-2
JMA VI 02 02 09 31.1–.21 25N–2.0 122.3E–.60 45–2 2.2 **¶614648853**
TAP VI 02 02 09 31.8 24.10N 122.43E 26–0 2.7L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP C.
ISC VI 02 09 48 52.6–1.3 24.61N–.04 122.33E–.02 70–7 101 0-3
JMA VI 02 09 48 52.5–.06 24.7N–.30 122.4E–.10 68–0 2.3 **¶612489921**
TAP VI 02 09 48 53.2 24.66N 122.28E 65–0 3.0L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP C.
ISC VI 02 14 00 44.7–1.0 24.79N–.03 122.36E–.02 16–9 59 0-2
JMA VI 02 14 00 45.6–.11 24.8N–.80 122.4E–.30 47–2 2.1 **¶614648878**
TAP VI 02 14 00 45.0 24.84N 122.33E 17–0 2.7L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP C.
TAP VI 02 17 42 10.1 24.85N 122.09E 19–0 1.7L
¶614648899
TAP D.
ISC VI 02 20 29 59.7–.98 25.31N–.05 122.28E–.03 229–6 221 0-50
IDC VI 02 20 29 42.4–6.0 24.45N 122.97E 0 3.8,3.8b **¶610791119**
TAP VI 02 20 29 58.9 25.33N 122.32E 243–0 4.1L,3.8b
JMA VI 02 20 30 00.7–.26 25N–2.0 122.3E–.80 219–2 4.1,3.8b
ISC Event type ke.
TAP D.
JMA Event type ke. TAIWAN REGION .
TAP VI 03 04 01 27.5 21.60N 121.03E 38–0 3.7L
¶614648944
TAP D.
ISC VI 03 04 27 45.9–1.5 24.61N–.04 122.54E–.03 101–8 112 0-2
JMA VI 03 04 27 45.6–.16 25N–1.0 122.5E–.40 102–1 2.3 **¶614648947**
TAP VI 03 04 27 46.1 24.61N 122.52E 98–1 3.5L
ISC Event type ke.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
TAP B.
ISC VI 03 07 05 02.1–1.0 23.89N–.03 122.64E–.02 27–10 76 0-2
JMA VI 03 07 05 01.7–.19 24.1N–.70 122.5E–.90 49 2.0 **¶614648952**
TAP VI 03 07 05 01.3 23.88N 122.67E 25–0 2.5L
ISC Event type ke.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
TAP D.
ISC VI 03 15 27 13.8–1.0 24.81N–.02 122.39E–.02 13–9 105 0-2
JMA VI 03 15 27 14.7–.08 24.8N–.60 122.4E–.20 47–1 2.5 **¶612489929**
TAP VI 03 15 27 14.4 24.81N 122.32E 13–0 3.2L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP C.
TAP VI 03 16 42 22.7 25.18N 122.63E 28–1 2.0L
¶614648980
TAP D.
ISC VI 03 21 02 38.5–1.2 24.93N–.05 122.74E–.04 28–12 34 1-2
TAP VI 03 21 02 38.3 24.91N 122.74E 29–2 2.6L **¶614649002**
JMA VI 03 21 02 39.4–.21 25N–1.0 122.8E–.90 27–3 1.8
ISC Event type ke.
TAP D.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC VI 04 13 22 32.8–.96 24.64N–.03 122.64E–.02 22–6 141 0-3
JMA VI 04 13 22 32.9–.12 25N–1.0 122.6E–.50 20–1 2.7 **¶614649045**
TAP VI 04 13 22 32.6 24.67N 122.65E 22–0 3.4L
ISC Event type ke.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
TAP C.
ISC VI 04 13 24 47.6–.56 24.61N–.02 122.61E–.02 18–2 4.5b,4.0s 441 0-99
BJI VI 04 13 24 45.6–.00 24.66N 122.72E 10 4.7b,4.7L **¶611834043**
ASIES VI 04 13 24 46.6 24.63N 122.63E 21 5.2L,4.5W
TAP VI 04 13 24 46.6 24.63N 122.63E 21–0 5.2L,4.5W
NEIC VI 04 13 24 46.7–1.2 24.64N–.03 122.59E–.02 10–1 4.6b,4.5W
JMA VI 04 13 24 46.9–.12 25N–1.0 122.6E–.50 20–1 4.7,4.1
NIED VI 04 13 24 46.9 24.67N 122.64E 20 4.6W,4.1
MOS VI 04 13 24 51.4–1.3 24.62N 122.56E 66 4.7b,4.0s
IDC VI 04 13 24 52.9–2.8 24.66N 122.56E 64–27 4.1,3.9s
ISC Event type ke.
ASIES Moment Tensor Solution. Moment tensor: Scale 10^{22}Nm; M_{rr}-2.93 $M_{\theta\theta}$5.89 $M_{\phi\phi}$-2.96 $M_{r\theta}$-2.25 $M_{\theta\phi}$-0.91 $M_{\phi r}$-3.16 NP1:ϕ_s60.14000°,δ70.02000°,λ-134.99000°. NP2:ϕ_s311.26000°,δ48.34000°,λ-27.21000°. Principal axes: T Plg13.2070°,Azm181.0240°; N Plg41.6380°,Azm78.9820°; P Plg45.3630°,Azm284.7730° $M_0$6.47127×10^{22}
TAP C.
NEIC Event type se. Error ellipse: s-maj=5.3km s-min=3.0km az=26.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-3.96 $M_{\theta\theta}$9.21 $M_{\phi\phi}$-5.25 $M_{r\theta}$2.96 $M_{\theta\phi}$-5.04 $M_{\phi r}$-0.22 NP1:ϕ_s244.00000°,δ87.00000°,λ-162.00000°. NP2:ϕ_s153.00000°,δ72.00000°,λ-3.00000°. $M_0$9.17000×10^{15}
MOS Error ellipse: s-maj=10.6km s-min=6.5km az=111.8.
IDC Error ellipse: s-maj=17.8km s-min=13.0km az=67.0.
ISC VI 04 16 45 35.9–.97 24.56N–.03 122.33E–.02 18–4 73 0-2
TAP VI 04 16 45 35.6 24.56N 122.33E 8–0 2.5L **¶614649062**
JMA VI 04 16 45 36.3–.08 24.5N–1.0 122.3E–.30 27–3 2.0
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
ISC VI 04 20 06 48.1–1.1 24.90N–.03 122.49E–.02 18–4 98 0-3
JMA VI 04 20 06 48.2–.29 25N–1.0 122.5E–.50 4–3 2.6 **¶614649081**
TAP VI 04 20 06 48.1 24.91N 122.52E 32–0 3.2L
ISC Event type ke.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
TAP D.
ISC VI 04 20 08 55.0–1.3 24.89N–.05 122.48E–.04 11–11 39 0-1
TAP VI 04 20 08 54.6 24.93N 122.47E 14–0 2.6L **¶614649082**
JMA VI 04 20 08 55.4–.15 24.9N–.80 122.5E–.60 6–4 2.6L
ISC Event type ke.
TAP D.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC VI 04 23 34 08.1–1.1 24.91N–.04 122.51E–.03 16–9 49 0-2
TAP VI 04 23 34 08.0 24.94N 122.53E 19–1 2.9L **¶614649099**
JMA VI 04 23 34 09.2–.32 25N–2.0 122.5E–.80 4 2.4
ISC Event type ke.
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
JMA VI 05 03 25 22.0–.16 24N–3.0 122.9E–1.0 63 1.0
¶617481122
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC VI 05 12 45 15.1–.88 24.69N–.02 122.13E–.02 15–7 171 0-3
TAP VI 05 12 45 14.6 24.70N 122.12E 13–0 3.2L **¶614649130**
JMA VI 05 12 45 15.9–.06 24.6N–.40 122.1E–.20 35 2.7
ISC Event type ke.
TAP B.
JMA Event type ke. TAIWAN REGION .
ISC VI 05 21 50 44.2–1.7 24.53N–.06 122.64E–.03 99–10 79 0-2
JMA VI 05 21 50 44.6–.21 24N–3.0 122.6E–.60 95–1 1.3 **¶614649147**
TAP VI 05 21 50 44.4 24.59N 122.65E 95–0 2.5L

ISC Event type ke.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
TAP C.
ISC VI 05 23 03 46.9–.97 24.93N–.02 122.29E–.02 11–7 3.5b 212 0-50
IDC VI 05 23 03 45.0–1.3 24.84N 122.25E 0 3.6,3.6b **¶610791305**
JMA VI 05 23 03 47.3–.12 24.9N–.70 122.3E–.30 49–2 2.9,3.6b
ASIES VI 05 23 03 47.9 24.91N 122.20E 8 3.7L,3.4W
TAP VI 05 23 03 47.9 24.91N 122.20E 8–0 3.7L,3.4W
ISC Event type ke.
IDC Error ellipse: s-maj=70.0km s-min=20.4km az=68.0.
JMA Event type ke. TAIWAN REGION .
ASIES Moment Tensor Solution. Moment tensor: Scale 10^{21}Nm; M_{rr}0.20 $M_{\theta\theta}$0.34 $M_{\phi\phi}$-0.59 $M_{r\theta}$1.37 $M_{\theta\phi}$0.12 $M_{\phi r}$-0.93 NP1:ϕ_s126.94000°,δ87.14000°,λ73.85000°. NP2:ϕ_s27.15000°,δ16.39000°,λ169.80000°. Principal axes: T Plg45.5370°,Azm20.6410°; N Plg16.1240°,Azm127.7720°; P Plg40.0190°,Azm231.8200° $M_0$1.73835×10^{21}
TAP C.
ISC VI 06 00 48 31.1–1.0 24.88N–.04 122.46E–.02 16–10 42 0-2
TAP VI 06 00 48 30.9 24.91N 122.46E 20–1 2.7L **¶614649158**
JMA VI 06 00 48 31.6–.24 25N–1.0 122.5E–.40 2–2 2.8
ISC Event type ke.
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC VI 06 21 19 45.8–1.2 24.45N–.03 122.57E–.02 21–5 120 0-2
TAP VI 06 21 19 45.9 24.47N 122.54E 61–1 2.9L **¶614649235**
JMA VI 06 21 19 46.0–.13 24N–2.0 122.6E–.50 60–1 2.3
ISC Event type ke.
TAP B.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
TAP VI 07 00 43 53.8 21.96N 121.38E 25–1 2.2L
¶614649273
TAP D.
ISC VI 07 02 45 03.3–.89 22.03N–.03 121.72E–.03 11–5 3.9b,3.5s 225 0-89
IDC VI 07 02 45 01.3–.94 21.77N 121.78E 0 3.8,3.8b **¶610764470**
NIED VI 07 02 45 02.7 21.93N 121.65E 50 4.3W,3.8b
JMA VI 07 02 45 02.7–.49 22N–2.0 122E–1.0 50 4.0,3.8b
TAP VI 07 02 45 03.5 22.03N 121.63E 21–0 3.8L,3.8b
ASIES VI 07 02 45 03.5 22.03N 121.63E 21 4.1W,3.8L
NEIC VI 07 02 45 06.5–1.5 22.29N–.06 121.64E–.04 14–5 4.1b,3.8L
ISC Event type ke.
NIED Moment Tensor Solution. s2 Moment tensor: Scale 10^{15}Nm; M_{rr}-1.78 $M_{\theta\theta}$1.11 $M_{\phi\phi}$0.67 $M_{r\theta}$2.43 $M_{\theta\phi}$0.25 $M_{\phi r}$-0.14 NP1:ϕ_s269.00000°,δ75.00000°,λ-84.00000°. NP2:ϕ_s69.00000°,δ16.00000°,λ-109.00000°. $M_0$2.84000×10^{15}
JMA Event type ke. TAIWAN REGION .
TAP D.
ASIES Moment Tensor Solution. Moment tensor: Scale 10^{22}Nm; M_{rr}0.40 $M_{\theta\theta}$0.30 $M_{\phi\phi}$-0.70 $M_{r\theta}$1.24 $M_{\theta\phi}$0.22 $M_{\phi r}$-0.73 NP1:ϕ_s126.27000°,δ83.14000°,λ69.26000°. NP2:ϕ_s18.77000°,δ21.79000°,λ161.24000°. Principal axes: T Plg47.8710°,Azm14.3870°; N Plg20.5780°,Azm128.8620°; P Plg34.9020°,Azm234.0460° $M_0$1.57469×10^{22}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 07 08 40 09.5–.92 24.07N–.02 122.42E–.02 28–6 141 0-3
JMA VI 07 08 40 08.1–.10 24.7N–.70 122.3E–.20 44–2 2.4 **¶612489968**
TAP VI 07 08 40 09.4 24.12N 122.42E 27–0 3.2L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP C.
JMA VI 07 15 15 27.1–.16 24N–2.0 123E–1.0 27–4 1.9
¶617481126
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC VI 08 03 48 53.1–1.4 24.43N–.05 122.90E–.03 84–8 77 0-2
JMA VI 08 03 48 53.3–.18 25N–2.0 122.9E–.60 82–1 1.9 **¶614649413**
TAP VI 08 03 48 54.7 24.47N 122.84E 71–0 2.8L
ISC Event type ke.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
TAP C.
ISC VI 08 04 39 05.1–1.3 22.70N–.03 122.67E–.03 4–10 175 1-3
JMA VI 08 04 39 08.9–.58 23N–3.0 123E–1.0 57 3.1 **¶612489976**
ASIES VI 08 04 39 11.0 22.69N 122.59E 61 3.9W,3.5L
TAP VI 08 04 39 11.0 22.69N 122.59E 61–1 3.5L,3.5L
ISC Event type ke.
JMA Event type ke. FAR S OFF ISHIGAKIJIMA .
ASIES Moment Tensor Solution. Moment tensor: Scale 10^{21}Nm; M_{rr}-2.82 $M_{\theta\theta}$8.95 $M_{\phi\phi}$-6.13 $M_{r\theta}$1.41 $M_{\theta\phi}$-1.93 $M_{\phi r}$-5.70 NP1:ϕ_s317.00000°,δ73.61000°,λ-35.61000°. NP2:ϕ_s58.42000°,δ56.04000°,λ-160.11000°. Principal axes: T Plg11.2720°,Azm11.1080°; N Plg51.2560°,Azm115.4900°; P Plg36.4790°,Azm272.6330° $M_0$10.04730×10^{21}
TAP D.
TAP VI 08 09 17 36.9 24.79N 122.91E 6–1 2.2L
¶614649424
TAP D.
JMA VI 08 09 18 34.8–.25 25N–2.0 123.0E–.80 120–2 2.2
¶617481127
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC VI 09 03 50 43.7–.99 24.78N–.02 122.34E–.02 12–8 95 0-2
TAP VI 09 03 50 43.6 24.79N 122.31E 9–1 2.8L **¶614649518**
JMA VI 09 03 50 44.2–.12 24.7N–.60 122.3E–.30 13–4 2.2
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
ISC VI 10 10 49 22.1–1.4 24.82N–.04 122.05E–.03 95–7 146 0-2
TAP VI 10 10 49 21.7 24.84N 122.05E 96–0 3.0L **¶614649662**
JMA VI 10 10 49 22.0–.22 24.8N–.70 122.0E–.50 91–2 1.8
ISC Event type ke.
TAP B.
JMA Event type ke. TAIWAN REGION .
ISC VI 11 19 55 01.0–.94 22.41N–.02 121.50E–.02 15–8 99 0-4
JMA VI 11 19 55 00.5–.77 22N–3.0 121E–3.0 38 3.5 **¶614649821**
TAP VI 11 19 55 01.6 22.43N 121.45E 15–0 3.4L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP C.
ISC VI 12 15 18 47.9–1.3 24.66N–.03 122.03E–.02 58–6 122 0-2
JMA VI 12 15 18 46.5–.16 24.6N–.30 122.0E–.40 70–2 2.1 **¶614649880**
TAP VI 12 15 18 47.3 24.67N 122.02E 63–0 2.6L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP B.
ISC VI 12 18 40 52.2–1.3 24.36N–.04 122.51E–.02 68–8 117 0-2
JMA VI 12 18 40 51.5–.25 24N–4.0 122.5E–.80 72–2 2.3 **¶614649906**
TAP VI 12 18 40 51.6 24.36N 122.50E 68–0 2.8L
ISC Event type ke.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
TAP C.
ISC VI 13 13 16 37.2–1.0 23.42N–.03 122.03E–.02 31–11 142 1-3
JMA VI 13 13 16 36.7–.27 23N–1.0 122.0E–.60 34 3.0 **¶614649962**
TAP VI 13 13 16 38.3 23.46N 122.03E 33–0 3.1L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP C.
ISC VI 13 15 57 26.1–1.5 24.65N–.05 122.79E–.03 101–9 100 0-2
TAP VI 13 15 57 25.4 24.67N 122.81E 101–0 2.7L **¶614649969**
JMA VI 13 15 57 25.1–.22 25N–3.0 122.8E–.70 109–1 2.4
ISC Event type ke.
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC VI 13 16 37 00.1–1.2 24.34N–.03 122.90E–.02 64–6 227 0-4
TAP VI 13 16 36 59.0 24.38N 122.91E 69–0 3.4L **¶614649972**
JMA VI 13 16 36 59.4–.13 24N–2.0 122.9E–.50 70–0 2.7
ISC Event type ke.
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC VI 14 03 45 58.2–1.9 24.89N–.09 122.96E–.06 35 54 0-2
TAP VI 14 03 45 57.2 24.88N 122.99E 47–1 3.0L **¶612490019**
JMA VI 14 03 45 58.0–.33 25N–1.0 123E–2.0 26 2.1
ISC Event type ke.
TAP D.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC VI 14 09 01 50.5–1.1 24.88N–.04 122.45E–.02 11–10 64 0-2
JMA VI 14 09 01 50.5–.28 24.8N–.90 122.4E–.40 1–2 3.0 **¶612490024**
TAP VI 14 09 01 50.4 24.92N 122.46E 18–0 2.9L
ISC Event type ke.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
TAP D.
ISC VI 14 13 05 42.7–1.0 24.83N–.03 122.43E–.02 12–10 69 0-1
TAP VI 14 13 05 42.7 24.85N 122.40E 15–0 2.6L **¶614650038**
JMA VI 14 13 05 43.1–.25 25N–1.0 122.4E–.50 6 2.2
ISC Event type ke.
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC VI 14 18 59 09.3–1.1 24.95N–.04 122.90E–.03 16–9 3.4b 92 0-49
IDC VI 14 18 59 08.8–6.8 24.68N 122.28E 0 3.4,3.4b **¶610791882**
TAP VI 14 18 59 09.4 24.94N 122.89E 31–0 3.1L,3.4b
JMA VI 14 18 59 10.8–.19 25N–1.0 122.9E–.90 28–2 2.3,3.4b
ISC Event type ke.
TAP D.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC VI 14 19 23 02.8–1.8 24.90N–.07 122.92E–.03 29–13 65 0-3
TAP VI 14 19 23 02.1 24.89N 122.93E 39–1 3.2L **¶614650063**
JMA VI 14 19 23 03.6–.19 25N–1.0 122.9E–.90 30–3 2.2
ISC Event type ke.
TAP D.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC VI 14 19 53 52.9–1.2 24.90N–.03 122.90E–.02 6–9 3.6b 121 0-49
ASIES VI 14 19 53 53.3 24.90N 122.83E 2 4.0W,3.7L **¶610791886**
TAP VI 14 19 53 53.3 24.90N 122.83E 2–1 3.7L,3.7L
JMA VI 14 19 53 55.0–.15 25N–1.0 122.9E–.60 32–2 2.9,3.7L
IDC VI 14 19 53 56.4–1.7 23.92N 121.07E 0 3.9s,3.9
ISC Event type ke.
ASIES Moment Tensor Solution. Moment tensor: Scale 10^{21}Nm; M_{rr}-6.55 $M_{\theta\theta}$9.13 $M_{\phi\phi}$2.40 $M_{r\theta}$3.25 $M_{\theta\phi}$-5.78 $M_{\phi r}$1.94 NP1:ϕ_s277.85000°,δ55.17000°,λ-119.72000°. NP2:ϕ_s142.85000°,δ44.53000°,λ-54.52000°. Principal axes: T Plg5.7550°,Azm28.4880°; N Plg24.0190°,Azm295.9140°; P Plg65.2150°,Azm131.0960° $M_0$10.66320×10^{21}
TAP D.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
IDC Error ellipse: s-maj=141.8km s-min=19.7km az=64.0.
ISC VI 14 21 05 44.4–2.4 23.70N–.07 122.88E–.10 48–35 43 1-2
TAP VI 14 21 05 45.9 23.82N 122.82E 41–1 2.8L **¶612490028**
ISC Event type ke.
TAP C.
JMA VI 14 21 05 45.1–.11 25N–1.0 122.9E–.50 38–1 1.8
¶617263583
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC VI 15 19 23 30.0–1.3 24.74N–.03 122.38E–.03 92–6 199 0-4
JMA VI 15 19 23 30.4–.15 24.7N–.90 122.4E–.30 86–1 2.2 **¶614650136**
TAP VI 15 19 23 30.6 24.79N 122.32E 90–0 3.1L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP D.
ISC VI 15 21 42 38.7–.98 23.93N–.03 122.39E–.03 29–7 74 0-2
TAP VI 15 21 42 38.1 23.95N 122.44E 24–0 2.6L **¶614650147**
JMA VI 15 21 42 38.0–.29 25N–3.0 122.3E–.80 49–4 2.3
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
ISC VI 16 01 51 13.7–.92 23.95N–.02 122.43E–.02 29–7 204 0-4
JMA VI 16 01 51 12.6–.25 23.9N–.90 122.4E–.30 14–3 3.2 **¶614650164**
TAP VI 16 01 51 14.2 24.04N 122.42E 27–0 3.6L
ISC Event type ke.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
TAP C.
ISC VI 16 01 51 27.3–1.1 23.95N–.05 122.43E–.02 25–8 48 0-2
TAP VI 16 01 51 26.9 23.98N 122.44E 20–0 3.7L **¶617196303**
JMA VI 16 01 51 27.2–.16 23.9N–1.0 122.4E–.40 27 3.1
ISC Event type ke.
TAP D.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC VI 16 09 00 11.2–1.4 24.91N–.05 122.95E–.03 21–4 50 0-2
TAP VI 16 09 00 11.0 24.90N 122.91E 13–1 2.8L **¶614650195**
JMA VI 16 09 00 11.6–.17 24.9N–.90 123.0E–.80 24–2 2.1
ISC Event type ke.
TAP D.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC VI 16 10 48 35.1–1.3 24.41N–.05 122.92E–.03 73–7 95 0-3
TAP VI 16 10 48 33.7 24.39N 122.95E 76–1 2.6L **¶614650206**
JMA VI 16 10 48 34.7–.13 25N–2.0 122.9E–.50 72–0 2.2
ISC Event type ke.
TAP D.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC VI 17 10 57 18.9–1.2 24.57N–.03 122.58E–.02 90–6 206 0-4
TAP VI 17 10 57 17.9 24.62N 122.60E 96–0 3.7L **¶614650281**
JMA VI 17 10 57 18.4–.11 25N–1.0 122.6E–.30 92–1 2.8
ISC Event type ke.
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC VI 17 11 11 09.6–1.5 23.24N–.05 122.82E–.03 48–54 71 1-3
JMA VI 17 11 11 11.0–.25 23N–1.0 122.9E–.70 63–4 2.5 **¶614650282**
TAP VI 17 11 11 11.2 23.34N 122.78E 58–1 2.7L
ISC Event type ke.
JMA Event type ke. NEAR ISHIGAKIJIMA ISLAND.
TAP D.
ISC VI 17 11 32 01.0–1.3 23.98N–.04 122.84E–.02 34–2 65 0-2
JMA VI 17 11 32 00.4–.21 24N–3.0 122.8E–.90 57–3 1.7 **¶614650284**
TAP VI 17 11 32 00.3 23.98N 122.82E 56–1 2.6L
ISC Event type ke.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
TAP D.
ISC VI 17 17 21 38.6–.98 24.81N–.02 122.25E–.02 10–8 130 0-2
TAP VI 17 17 21 39.0 24.85N 122.21E 14–0 2.9L **¶614650306**
JMA VI 17 17 21 39.3–.15 24.8N–.70 122.3E–.30 12–4 2.5
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
ISC VI 18 04 39 24.0–1.0 24.00N–.04 122.41E–.02 31–8 55 0-2
JMA VI 18 04 39 23.8–.24 24N–2.0 122.4E–.60 30 2.2 **¶614650365**
TAP VI 18 04 39 24.1 24.05N 122.39E 30–0 2.8L
ISC Event type ke.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
TAP C.
ISC VI 18 05 03 25.7–1.3 22.70N–.03 121.31E–.02 93–5 239 0-5
JMA VI 18 05 03 25.7–.41 23N–1.0 121E–1.0 16 3.3 **¶612490052**
TAP VI 18 05 03 26.3 22.71N 121.32E 85–0 4.0L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP B.
ISC VI 18 07 17 40.9–1.7 24.65N–.05 122.54E–.03 112–10 80 0-2
JMA VI 18 07 17 41.9–.16 25N–3.0 122.6E–.70 102–2 1.9 **¶614650368**
TAP VI 18 07 17 41.4 24.67N 122.45E 117–0 2.8L
ISC Event type ke.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
TAP D.
ISC VI 18 17 39 45.1–1.4 22.72N–.03 121.32E–.03 86–6 205 0-5
TAP VI 18 17 39 44.5 22.71N 121.33E 88–0 3.7L **¶612490056**
ISC Event type ke.

TAP A.
ISC VI 20 14 02 28.6–.49 21.11N–.03 122.21E–.06 202–4 4.3b 416 1-120
BJI VI 20 14 02 27.6–.00 21.01N 122.29E 204 4.7b,4.4b **¶610686573**
NEIC VI 20 14 02 28.2–1.6 21.11N–.08 122.4E–.10 199–7 4.4b,4.4b
MAN VI 20 14 02 30.7 20.99N 122.02E 180 4.8b,3.7L
ASIES VI 20 14 02 30.1 21.20N 122.18E 195 4.9L,4.4W
TAP VI 20 14 02 30.1 21.20N 122.18E 195–0 4.9L,4.3W
IDC VI 20 14 02 31.7–3.4 21.03N 122.17E 235–34 4.3,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.2km s-min=11.4km az=84.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ASIES Moment Tensor Solution. Moment tensor: Scale 10^{22}Nm; M_{rr}-3.26 $M_{\theta\theta}$-0.29 $M_{\phi\phi}$3.55 $M_{r\theta}$-1.47 $M_{\theta\phi}$-1.34 $M_{\phi r}$0.01 NP1:ϕ_s140.65000°,δ53.11000°,λ-119.99000°. NP2:ϕ_s4.53000° ,δ46.16000°,λ-56.34000°. Principal axes: T Plg3.7420°,Azm251.4040°; N Plg23.5640° ,Azm159.7690°; P Plg66.1050°,Azm349.8930° $M_0$3.95319$\times10^{22}$
TAP D.
IDC Error ellipse: s-maj=15.5km s-min=9.7km az=76.0.
ISC VI 21 10 29 09.5–1.2 24.11N–.03 122.49E–.02 60–7 148 0-3
JMA VI 21 10 29 08.9–.14 24N–1.0 122.5E–.40 63–2 3.0 **¶612490091**
TAP VI 21 10 29 09.5 24.14N 122.50E 58–0 3.5L
ISC Event type ke.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
TAP C.
ISC VI 21 12 39 21.7–1.9 24.88N–.07 122.53E–.03 134–11 84 1-2
JMA VI 21 12 39 21.4–.31 25N–4.0 122.5E–1.0 137 2.1 **¶614650624**
TAP VI 21 12 39 21.7 24.92N 122.47E 137–0 2.8L
ISC Event type ke.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
TAP D.
TAP VI 21 18 17 10.7 24.94N 122.20E 11–1 1.6L
¶614650657
TAP C.
ISC VI 23 02 12 51.3–1.9 24.83N–.07 122.32E–.03 119–10 94 0-2
TAP VI 23 02 12 50.4 24.85N 122.32E 124–0 2.9L **¶614650744**
JMA VI 23 02 12 51.3–.40 25N–4.0 122.3E–.90 119–2 2.2
ISC Event type ke.
TAP D.
JMA Event type ke. TAIWAN REGION .
ISC VI 23 14 18 01.6–1.7 22.75N–.04 122.65E–.03 10–13 105 1-3
JMA VI 23 14 18 03.4–.70 23N–3.0 123E–1.0 55 2.3 **¶614650807**
TAP VI 23 14 18 04.6 22.75N 122.51E 96–1 2.7L
ISC Event type ke.
JMA Event type ke. FAR S OFF ISHIGAKIJIMA .
TAP D.
ISC VI 24 00 49 53.2–.85 25.08N–.04 122.96E–.03 166–6 3.2b 140 1-50
IDC VI 24 00 49 48.0–9.6 25.06N 122.80E 95–108 3.5,3.0b **¶614857748**
TAP VI 24 00 49 54.7 25.07N 122.94E 159–0 3.6L,3.0b
JMA VI 24 00 49 55.6–.21 25N–2.0 123.0E–.60 142–3 3.1,3.0b
ISC Event type ke.
TAP D.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC VI 26 19 18 15.0–2.5 25.4N–.10 122.61E–.04 234–15 103 1-3
TAP VI 26 19 18 13.6 25.58N 122.68E 241–0 3.2L **¶614651184**
JMA VI 26 19 18 16.0–.28 25N–2.0 122.6E–.60 220–3 3.6
ISC Event type ke.
TAP D.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC VI 27 14 57 15.1–1.5 21.74N–.08 121.03E–.03 29–7 96 0-4
TAP VI 27 14 57 15.1 21.76N 121.00E 25–0 3.0L **¶614651283**
JMA VI 27 14 57 16.3–.42 22N–2.0 121.3E–.90 0 3.3
ISC Event type ke.
TAP D.
JMA Event type ke. TAIWAN REGION .
ISC VI 28 11 27 17.6–1.5 24.54N–.05 122.41E–.03 102–8 87 0-2
TAP VI 28 11 27 17.3 24.59N 122.32E 108–0 2.6L **¶614651350**
JMA VI 28 11 27 18.2–.15 25N–2.0 122.5E–.80 91–1 1.7
ISC Event type ke.
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC VI 29 06 06 32.2–2.4 25.3N–.10 122.32E–.04 224–13 99 0-3
TAP VI 29 06 06 31.4 25.66N 122.37E 211–1 3.4L **¶614651414**
JMA VI 29 06 06 32.0–.20 25N–2.0 122.3E–.50 224–2 3.6
ISC Event type ke.
TAP D.
JMA Event type ke. TAIWAN REGION .
TAP VI 29 16 06 28.1 24.94N 122.03E 8–0 1.3L
¶614651478
TAP D.
ISC VI 30 19 28 18.7–1.2 21.61N–.05 121.13E–.05 31–10 45 0-2
TAP VI 30 19 28 16.9 21.57N 121.08E 44–1 2.6L **¶614651570**
ISC Event type ke.
TAP D.

(244) Taiwan.

ISC I 01 04 19 36.7–.82 24.09N–.01 121.72E–.02 10–5 181 0-3
JMA I 01 04 19 35.1–.16 24.0N–.70 122E–1.0 5–3 2.8 **¶612488227**
TAP I 01 04 19 36.5 24.12N 121.72E 8–0 3.3L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP D.
TAP I 01 11 41 31.8 24.44N 121.77E 34–0 1.5L
¶614088988
TAP C.
ISC I 02 01 20 07.7–1.2 24.61N–.02 121.83E–.02 83–4 318 0-4
JMA I 02 01 20 07.9–.11 24.6N–.20 121.8E–.30 77–1 3.7 **¶612488235**
TAP I 02 01 20 08.1 24.60N 121.84E 76–0 4.0L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP B.
ISC I 02 12 25 22.8–1.2 24.40N–.02 121.82E–.03 58–5 171 0-3
JMA I 02 12 25 22.0–.14 24.4N–.30 121.8E–.50 61–1 2.4 **¶612488245**
TAP I 02 12 25 22.4 24.40N 121.78E 59–0 3.0L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP C.
TAP I 02 13 28 46.1 23.73N 121.96E 22–0 1.6L
¶614091567
TAP D.
ISC I 02 14 11 14.3–.90 24.41N–.01 121.85E–.02 18–3 150 0-2
JMA I 02 14 11 13.6–.20 24.3N–1.0 122E–1.0 35–3 2.3 **¶614091619**
TAP I 02 14 11 14.1 24.40N 121.80E 19–0 3.0L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP C.
ISC I 02 19 23 30.4–.81 23.24N–.01 120.98E–.01 8–5 3.3b,2.8s 271 0-45
IDC I 02 19 23 27.7–4.0 23.05N 121.22E 0 3.4,3.3b **¶614442841**
NIED I 02 19 23 28.8 23.20N 121.07E 0 4.1W,3.3b
JMA I 02 19 23 28.8–.54 23N–2.0 121E–3.0 0 3.7,3.3b
ASIES I 02 19 23 29.9 23.25N 120.98E 5 4.1L,3.9W
TAP I 02 19 23 29.9 23.25N 120.98E 5–0 4.1L,3.9W
ISC Event type ke.
IDC Error ellipse: s-maj=76.5km s-min=32.2km az=154.0.
NIED Moment Tensor Solution. s2 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.28 $M_{\theta\theta}$0.76 $M_{\phi\phi}$-0.48 $M_{r\theta}$1.01 $M_{\theta\phi}$-0.57 $M_{\phi r}$0.76 NP1:ϕ_s246.00000°,δ84.00000°,λ-125.00000°. NP2:ϕ_s147.00000° ,δ35.00000°,λ-11.00000°. $M_0$1.52000$\times10^{15}$
JMA Event type ke. TAIWAN REGION .
ASIES Moment Tensor Solution. Moment tensor: Scale 10^{21}Nm; M_{rr}-1.31 $M_{\theta\theta}$5.46 $M_{\phi\phi}$-4.13 $M_{r\theta}$1.36 $M_{\theta\phi}$-3.91 $M_{\phi r}$3.75 NP1:ϕ_s249.00000°,δ68.72000°,λ-156.77000°. NP2:ϕ_s150.14000° ,δ68.44000°,λ-22.97000°. Principal axes: T Plg0.1840°,Azm19.5200°; N Plg58.9030° ,Azm289.2150°; P Plg31.0970°,Azm109.6300° $M_0$7.44807$\times10^{21}$

TAP C.
ISC I 02 20 45 08.9–.86 24.43N–.02 121.80E–.03 18–3 93 0-2
JMA I 02 20 45 06.7–.14 24N–1.0 122E–1.0 44 **¶614092137**
TAP I 02 20 45 08.6 24.41N 121.78E 16–0 2.6L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP C.
ISC I 03 13 08 40.2–.87 24.49N–.02 121.95E–.02 12–6 177 0-3
TAP I 03 13 08 40.5 24.48N 121.93E 10–0 3.0L **¶614093230**
JMA I 03 13 08 40.4–.07 24.4N–.40 121.9E–.40 36 2.4
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
TAP I 03 18 54 30.7 23.99N 120.97E 18–0 1.3L
¶614443086
TAP B.
TAP I 03 18 54 37.0 23.23N 120.97E 5–0 0.9L
¶614443089
TAP B.
ISC I 03 20 56 56.7–.86 23.27N–.01 120.97E–.01 7–6 266 0-2
ASIES I 03 20 56 56.6 23.26N 120.97E 4 3.9L,3.5W **¶609975328**
TAP I 03 20 56 56.6 23.26N 120.97E 4–0 3.9L,3.5W
ISC Event type ke.
ASIES Moment Tensor Solution. Moment tensor: Scale 10^{21}Nm; M_{rr}-0.56 $M_{\theta\theta}$1.61 $M_{\phi\phi}$-1.05 $M_{r\theta}$0.28 $M_{\theta\phi}$-1.56 $M_{\phi r}$0.48 NP1:ϕ_s251.90000°,δ75.89000°,λ-163.75000°. NP2:ϕ_s157.83000° ,δ74.25000°,λ-14.67000°. Principal axes: T Plg1.1220°,Azm24.6580°; N Plg68.6040° ,Azm291.7930°; P Plg21.3640°,Azm115.0970° $M_0$2.18414$\times10^{21}$
TAP B.
ISC I 04 02 42 52.3–1.0 23.73N–.02 121.87E–.03 28–8 72 0-2
TAP I 04 02 42 52.5 23.74N 121.89E 21–1 2.6L **¶614094259**
JMA I 04 02 42 52.3–.13 23.7N–.60 121.9E–.40 31 2.1
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
ISC I 04 07 07 20.8–.64 24.05N–.02 121.84E–.02 49–4 4.3b,3.1s 325 0-83
NIED I 04 07 07 20.5 23.94N 121.76E 56 4.2W,3.1s **¶609977709**
JMA I 04 07 07 20.5–.18 24N–1.0 121.8E–.70 56–1 4.6,4.2
IDC I 04 07 07 20.4–3.1 24.07N 121.87E 52–29 4.2L,4.0
NEIC I 04 07 07 21.8–1.7 24.01N–.03 121.83E–.05 55–5 4.4b,4.0
BJI I 04 07 07 21.0–.00 24.06N 121.84E 47 4.4b,4.4b
TAP I 04 07 07 21.9 24.05N 121.81E 53–0 4.8L,4.4b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}1.63 $M_{\theta\theta}$-1.45 $M_{\phi\phi}$-0.17 $M_{r\theta}$0.97 $M_{\theta\phi}$-0.27 $M_{\phi r}$1.41 NP1:ϕ_s50.00000°,δ69.00000°,λ72.00000°. NP2:ϕ_s273.00000° ,δ27.00000°,λ129.00000°. $M_0$2.28000$\times10^{15}$
JMA Event type ke. TAIWAN REGION .
IDC Error ellipse: s-maj=17.9km s-min=16.0km az=65.0.
NEIC Event type se. Error ellipse: s-maj=6.7km s-min=4.5km az=88.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TAP B.
TAP I 04 18 45 56.0 24.13N 121.68E 9–0 1.4L
¶614095279
TAP B.
ISC I 06 13 25 48.1–.83 24.42N–.01 121.98E–.02 16–5 187 0-2
JMA I 06 13 25 48.0–.06 24.3N–.40 121.9E–.40 36–1 2.4 **¶614097767**
TAP I 06 13 25 48.3 24.43N 121.93E 20–0 3.0L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP C.
ISC I 08 07 18 19.3–1.1 23.72N–.02 121.96E–.02 28–12 103 0-2
JMA I 08 07 18 19.6–.19 24N–1.0 121.9E–.80 43–3 2.9 **¶614100261**
TAP I 08 07 18 20.1 23.75N 121.99E 40–0 3.2L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP C.
TAP I 09 20 25 07.5 24.43N 121.93E 19–0 2.2L
¶614101780
TAP C.
TAP I 10 11 37 15.2 24.32N 121.74E 11–0 1.5L
¶614102350
TAP B.
ISC I 10 17 21 06.4–.75 22.93N–.01 120.53E–.02 20–0 3.5b 225 0-48
IDC I 10 17 21 01.1–4.9 23.24N 121.33E 0 3.4,3.4b **¶610237093**
ASIES I 10 17 21 05.4 22.94N 120.57E 14 3.9L,3.7W
TAP I 10 17 21 05.4 22.94N 120.57E 14–0 3.9L,3.7W
JMA I 10 17 21 06.7–.47 23N–2.0 121E–2.0 8 4.0,3.7W
ISC Event type ke.
ASIES Moment Tensor Solution. Moment tensor: Scale 10^{21}Nm; M_{rr}-2.77 $M_{\theta\theta}$-0.24 $M_{\phi\phi}$3.00 $M_{r\theta}$1.96 $M_{\theta\phi}$-0.01 $M_{\phi r}$-2.87 NP1:ϕ_s335.33000°,δ71.23000°,λ-107.39000°. NP2:ϕ_s199.55000° ,δ25.37000°,λ-48.67000°. Principal axes: T Plg24.2930°,Azm78.7300°; N Plg16.4370° ,Azm341.0780°; P Plg60.0450°,Azm220.2880° $M_0$4.52571$\times10^{21}$
TAP B.
JMA Event type ke. TAIWAN REGION .
TAP I 11 14 43 27.7 23.08N 120.68E 4–0 1.2L
¶614444090
TAP B.
ISC I 11 17 03 13.1–.85 23.57N–.02 121.39E–.02 27 156 0-3
JMA I 11 17 03 11.6–.17 23.5N–.50 121.4E–.80 24–1 3.5 **¶612488366**
TAP I 11 17 03 12.9 23.57N 121.36E 40–0 3.6L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP C.
ISC I 11 17 31 04.9–.64 23.12N–.01 120.69E–.01 12–3 3.9b,3.2s 330 0-84
NIED I 11 17 31 01.6 22.99N 120.64E 0 4.2W,3.2s **¶610057027**
JMA I 11 17 31 01.6–.24 23.0N–.80 121E–1.0 0 4.3,3.2s
IDC I 11 17 31 02.5–.87 22.96N 120.75E 0 3.8,3.8b
ASIES I 11 17 31 03.8 23.11N 120.68E 9 4.5L,4.0W
TAP I 11 17 31 03.8 23.11N 120.68E 9–0 4.5L,4.0W
NEIC I 11 17 31 04.3–1.8 23.14N–.03 120.64E–.04 6–4 4.3b,4.0W
ISC Event type ke.
NIED Moment Tensor Solution. s2 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.91 $M_{\theta\theta}$2.36 $M_{\phi\phi}$-1.44 $M_{r\theta}$-0.16 $M_{\theta\phi}$-0.50 $M_{\phi r}$-0.06 NP1:ϕ_s53.00000°,δ86.00000°,λ-173.00000°. NP2:ϕ_s322.00000° ,δ83.00000°,λ-4.00000°. $M_0$1.97000$\times10^{15}$
JMA Event type ke. TAIWAN REGION .
ASIES Moment Tensor Solution. Moment tensor: Scale 10^{22}Nm; M_{rr}0.09 $M_{\theta\theta}$1.04 $M_{\phi\phi}$-0.70 $M_{r\theta}$0.24 $M_{\theta\phi}$-0.85 $M_{\phi r}$-0.63 NP1:ϕ_s336.49000°,δ88.09000°,λ-29.12000°. NP2:ϕ_s67.56000°,δ60.90000° ,λ-177.82000°. Principal axes: T Plg18.6860°,Azm25.7980°; N Plg60.8260°,Azm153.0840° ; P Plg21.5550°,Azm288.1200° $M_0$1.40187$\times10^{22}$
TAP B.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TAP I 11 18 33 43.5 24.32N 121.91E 35–0 2.0L
¶614444164
TAP C.
ISC I 12 17 46 42.8–.76 23.12N–.01 120.68E–.01 10–4 227 0-4
JMA I 12 17 46 40.5–.37 23N–1.0 121E–2.0 0 3.7 **¶614444253**
ASIES I 12 17 46 42 23.11N 120.67E 8 3.9L,3.2W
TAP I 12 17 46 42.0 23.11N 120.67E 8–0 3.9L,3.2W
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
ASIES Moment Tensor Solution. Moment tensor: Scale 10^{20}Nm; M_{rr}-7.07 $M_{\theta\theta}$3.37 $M_{\phi\phi}$3.70 $M_{r\theta}$-2.03 $M_{\theta\phi}$-5.19 $M_{\phi r}$4.53 NP1:ϕ_s148.17000°,δ61.51000°,λ-76.35000°. NP2:ϕ_s301.19000° ,δ31.34000°,λ-113.50000°. Principal axes: T Plg15.4660°,Azm228.2010°; N Plg11.9700° ,Azm321.5640°; P Plg70.2560°,Azm87.7680° $M_0$9.43718$\times10^{20}$
TAP C.
TAP I 14 12 31 17.9 23.27N 120.38E 10–0 2.1L
¶614444460
TAP B.
ISC I 17 22 00 41.4–.86 23.82N–.01 121.63E–.02 24–4 279 0-3
JMA I 17 22 00 39.6–.10 23.8N–.40 121.6E–.80 18–1 2.9 **¶612488432**

ASIES I 17 22 00 41.2 23.85N 121.59E 25 3.7L,3.3W
TAP I 17 22 00 41.2 23.85N 121.59E 25–0 3.7L,3.3W
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
ASIES Moment Tensor Solution. Moment tensor: Scale 10^{20}Nm; M_{rr}4.79 $M_{\theta\theta}$-2.94 $M_{\phi\phi}$-1.86 $M_{r\theta}$2.59 $M_{\theta\phi}$-3.53 $M_{\phi r}$7.82 NP1:ϕ_s23.96000°,δ75.00000°,λ73.06000°. NP2:ϕ_s253.60000°,δ22.48000°,λ137.39000°. Principal axes: T Plg56.7640°,Azm271.8860°; N Plg16.3440°,Azm28.4710°; P Plg28.0560°,Azm127.4630° $M_0$9.89480×10^{20}
TAP B.
TAP I 19 09 23 44.7 24.14N 121.60E 3–0 1.2L ¶614111053
TAP B.
ISC I 19 09 37 50.4–.99 23.17N–.02 121.66E–.02 17–8 215 0-4 ¶612488442
JMA I 19 09 37 52.0–.35 23N–1.0 122E–2.0 10–4 3.3
TAP I 19 09 37 52.7 23.19N 121.50E 47–0 3.9L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP C.
ISC I 20 23 13 53.9–.81 23.76N–.01 121.66E–.02 34–1 3.3b 281 0-83 ¶610234965
JMA I 20 23 13 53.6–.09 23.7N–.30 121.7E–.40 27 3.5
TAP I 20 23 13 54.1 23.77N 121.62E 33–0 3.8L
IDC I 20 23 14 00.8–8.2 23.59N 121.51E 104–77 3.5,3.5L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP C.
IDC Error ellipse: s-maj=50.9km s-min=29.2km az=72.0.
ISC I 22 07 38 02.9–1.1 23.36N–.02 121.92E–.02 19–3 229 0-5 ¶612488476
JMA I 22 07 38 03.6–.42 23N–2.0 122.0E–1.0 15 3.1
TAP I 22 07 38 05.2 23.40N 121.86E 30–0 3.5L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP C.
ISC I 22 18 51 20.9–.82 24.43N–.02 121.95E–.02 17–5 124 0-2 ¶614113959
JMA I 22 18 51 20.1–.26 24N–1.0 122E–1.0 49–3 2.5
TAP I 22 18 51 21.1 24.45N 121.92E 17–0 3.0L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP C.
TAP I 24 19 54 37.1 23.22N 121.12E 37–1 1.1L ¶614445413
TAP B.
ISC I 24 20 40 21.9–.80 23.98N–.02 121.68E–.02 33–2 3.5b 263 0-83 ¶610235284
IDC I 24 20 40 10.0–5.0 22.91N 121.67E 0 3.7,3.6b
JMA I 24 20 40 20.0–.11 23.9N–.60 121.6E–.70 38–0 3.5,3.6b
TAP I 24 20 40 21.7 23.99N 121.66E 40–0 3.8L,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=110.6km s-min=37.7km az=176.0.
JMA Event type ke. TAIWAN REGION .
TAP B.
TAP I 25 05 22 59.3 22.87N 120.95E 8–1 1.6L ¶614445449
TAP B.
ISC I 25 07 33 06.1–.56 24.21N–.02 121.88E–.02 56–4 4.3b,3.1s 402 0-83 ¶610116959
NEIC I 25 07 33 00.3–2.2 24.18N–.03 122.07E–.03 10–1 4.6b,3.1s
NIED I 25 07 33 05.8 24.24N 121.82E 63 4.2W,3.1s
JMA I 25 07 33 05.8–.15 24.2N–.60 121.8E–.50 63–1 4.6,4.1
ASIES I 25 07 33 06.4 24.24N 121.83E 57 5.0L,4.1W
TAP I 25 07 33 06.4 24.24N 121.83E 57–0 5.0L,4.1W
IDC I 25 07 33 07.1–3.1 24.23N 121.93E 76–30 3.8,3.5b
BJI I 25 07 33 09.8–.00 24.53N 121.55E 60 4.5b,4.3s
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=5.0km s-min=4.6km az=180.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}1.55 $M_{\theta\theta}$0.47 $M_{\phi\phi}$-2.02 $M_{r\theta}$0.54 $M_{\theta\phi}$0.93 $M_{\phi r}$0.01 NP1:ϕ_s138.00000°,δ53.00000°,λ56.00000°. NP2:ϕ_s6.00000°,δ48.00000°,λ126.00000°. $M_0$2.07000×10^{15}
JMA Event type ke. TAIWAN REGION .
ASIES Moment Tensor Solution. Moment tensor: Scale 10^{22}Nm; M_{rr}1.13 $M_{\theta\theta}$0.39 $M_{\phi\phi}$-1.52 $M_{r\theta}$-1.15 $M_{\theta\phi}$0.67 $M_{\phi r}$0.11 NP1:ϕ_s310.24000°,δ64.26000°,λ49.64000°. NP2:ϕ_s193.17000°,δ46.66000°,λ143.34000°. Principal axes: T Plg52.4070°,Azm171.5760°; N Plg35.6920°,Azm330.4900°; P Plg10.2680°,Azm67.9680° $M_0$1.91204×10^{22}
TAP B.
IDC Error ellipse: s-maj=21.8km s-min=14.1km az=73.0.
TAP I 25 17 52 42.2 23.25N 120.94E 3–1 1.0L ¶614445527
TAP C.
ISC I 26 10 35 02.2–.82 24.39N–.02 122.00E–.01 17–6 203 0-2 ¶612488524
JMA I 26 10 35 02.2–.18 24.3N–.80 121.9E–.90 44–3 3.2
ASIES I 26 10 35 03.0 24.45N 121.92E 17 3.7L,3.5W
TAP I 26 10 35 03.0 24.45N 121.92E 17–0 3.7L,3.5W
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
ASIES Moment Tensor Solution. Moment tensor: Scale 10^{21}Nm; M_{rr}-0.68 $M_{\theta\theta}$1.47 $M_{\phi\phi}$-0.80 $M_{r\theta}$0.07 $M_{\theta\phi}$0.74 $M_{\phi r}$1.26 NP1:ϕ_s214.92000°,δ71.48000°,λ-139.39000°. NP2:ϕ_s109.69000°,δ51.88000°,λ-23.81000°. Principal axes: T Plg12.2350°,Azm338.2400°; N Plg46.0350°,Azm235.2480°; P Plg41.3830°,Azm79.2550° $M_0$1.94093×10^{21}
TAP B.
ISC I 26 16 12 39.1–.67 23.88N–.02 121.74E–.02 53–4 3.7b 377 0-96 ¶610207636
NIED I 26 16 12 37.7 23.74N 121.67E 50 3.9W
JMA I 26 16 12 37.7–.13 23.7N–.70 121.7E–.60 50–1 3.7
ASIES I 26 16 12 39.8 23.93N 121.69E 53 4.4L,3.8W
IDC I 26 16 12 39.4–3.2 23.97N 121.80E 60–29 3.7,3.4b
TAP I 26 16 12 39.8 23.93N 121.69E 53–0 4.4L,3.4b
ISC Event type ke.
NIED Moment Tensor Solution. s2 Moment tensor: Scale 10^{14}Nm; M_{rr}6.29 $M_{\theta\theta}$-1.25 $M_{\phi\phi}$-5.03 $M_{r\theta}$4.38 $M_{\theta\phi}$-1.82 $M_{\phi r}$1.99 NP1:ϕ_s45.00000°,δ64.00000°,λ109.00000°. NP2:ϕ_s187.00000°,δ32.00000°,λ57.00000°. $M_0$7.61000×10^{14}
JMA Event type ke. TAIWAN REGION .
ASIES Moment Tensor Solution. Moment tensor: Scale 10^{21}Nm; M_{rr}4.42 $M_{\theta\theta}$-2.28 $M_{\phi\phi}$-2.14 $M_{r\theta}$4.42 $M_{\theta\phi}$-1.55 $M_{\phi r}$2.85 NP1:ϕ_s54.62000°,δ71.14000°,λ94.32000°. NP2:ϕ_s221.48000°,δ19.33000°,λ77.57000°. Principal axes: T Plg63.6140°,Azm331.5080°; N Plg4.0860°,Azm233.2290°; P Plg26.0190°,Azm141.2310° $M_0$6.68867×10^{21}
IDC Error ellipse: s-maj=19.3km s-min=17.9km az=168.0.
TAP B.
TAP I 27 18 03 17.2 24.71N 121.83E 88–0 2.0L ¶614445743
TAP B.
ISC I 28 15 01 02.9–.98 24.46N–.02 121.92E–.03 17–6 61 0-2 ¶612488548
TAP I 28 15 01 02.5 24.46N 121.91E 22–0 2.5L
ISC Event type ke.
TAP C.
TAP I 28 20 25 02.1 24.71N 121.64E 64–0 2.6L ¶612488561
TAP B.
ISC I 31 16 26 28.9–1.2 23.78N–.02 121.59E–.02 35 243 0-3 ¶612488596
JMA I 31 16 26 26.7–.10 23.7N–.40 121.6E–.60 28–1 2.9
TAP I 31 16 26 28.0 23.79N 121.56E 38–0 3.3L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP C.
TAP I 31 20 42 15.4 23.05N 121.56E 29–0 1.6L ¶614446121
TAP C.
TAP II 02 07 10 20.6 23.33N 121.54E 40–0 1.9L ¶614446256
TAP D.
ISC II 06 05 49 35.0–.73 23.97N–.01 120.99E–.01 17–4 292 0-3 ¶612488666
JMA II 06 05 49 33.4–.12 23.8N–.50 121.0E–.40 8–1 3.7
ASIES II 06 05 49 35.3 24.01N 121.00E 17 3.9L,3.5W
TAP II 06 05 49 35.3 24.01N 121.00E 17–0 3.9L,3.5W
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
ASIES Moment Tensor Solution. Moment tensor: Scale 10^{21}Nm; M_{rr}1.75 $M_{\theta\theta}$0.15 $M_{\phi\phi}$-1.93 $M_{r\theta}$-0.37 $M_{\theta\phi}$0.19 $M_{\phi r}$-0.97 NP1:ϕ_s187.68000°,δ59.74000°,λ104.01000°. NP2:ϕ_s341.34000°,δ33.06000°,λ67.46000°. Principal axes: T Plg71.6040°,Azm130.5340°; N Plg12.0700°,Azm0.5200°; P Plg13.6710°,Azm267.5380° $M_0$2.12646×10^{21}
TAP B.
ISC II 08 10 19 02.0–1.2 24.25N–.02 121.79E–.02 49–5 167 0-3 ¶612488685
TAP II 08 10 19 01.5 24.26N 121.75E 50–0 3.2L
JMA II 08 10 19 01.5–.12 24.3N–.50 121.8E–.60 48–1 2.7
ISC Event type ke.
TAP D.
JMA Event type ke. TAIWAN REGION .
TAP II 08 19 40 13.6 23.11N 120.97E 3–1 0.8L ¶614446904
TAP C.
TAP II 10 17 12 10.6 22.84N 120.12E 14–0 4.0L ¶611831773
TAP C.
ISC II 10 17 12 53.4–.35 22.82N–.01 120.15E–.02 16–2 5.5b,5.0s 1583 0-176 ¶614447071
IDC II 10 17 12 48.8–.33 22.73N 120.10E 0 5.0,5.0b
MOS II 10 17 12 50.9–.87 22.77N 120.24E 12 5.7b,5.1s
ASIES II 10 17 12 52.6 22.87N 120.14E 16 5.7L,5.2W
TAP II 10 17 12 52.6 22.87N 120.14E 16–0 5.7L,5.2W
JMA II 10 17 12 52.2–.19 22.8N–.70 120.2E–.80 8 5.7,5.5
NEIC II 10 17 12 53.4–1.4 22.83N–.06 120.22E–.06 16–3 5.5b,5.3
GCMT II 10 17 12 53.4–.20 22.81N–.02 120.11E–.01 12 5.3W,5.3
BJI II 10 17 12 54.0–.00 22.85N 120.12E 20 5.7L,5.6s
BGR II 10 17 12 55.1 22.82N 120.17E 10 5.0b,5.6s
NEIC II 10 17 12 55 22.81N 120.12E 16 5.0b,5.6s
ISC Event type ke.
IDC Error ellipse: s-maj=12.4km s-min=8.5km az=64.0.
MOS Error ellipse: s-maj=5.9km s-min=3.5km az=117.4.
ASIES Moment Tensor Solution. Moment tensor: Scale 10^{23}Nm; M_{rr}-7.71 $M_{\theta\theta}$-4.37 $M_{\phi\phi}$6.56 $M_{r\theta}$4.71 $M_{\theta\phi}$1.30 $M_{\phi r}$-0.38 NP1:ϕ_s217.00000°,δ55.62000°,λ-45.04000°. NP2:ϕ_s336.49000°,δ54.27000°,λ-135.92000°. Principal axes: T Plg0.7800°,Azm277.0210°; N Plg35.6730°,Azm7.5810°; P Plg54.3160°,Azm185.9360° $M_0$9.20579×10^{23}
TAP B.
JMA Event type ke. TAIWAN REGION .
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=6.9km az=149.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s40,c46; s122,c205;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.80±.03 $M_{\theta\theta}$-0.47±.02; $M_{\phi\phi}$1.27±.02; $M_{r\theta}$0.63±.10; $M_{\theta\phi}$0.02±.02; $M_{\phi r}$0.17±.07; Best double couple: NP1:ϕ_s212.00000°,δ61.00000°,λ-46.00000°. NP2:ϕ_s329.00000°,δ51.00000°,λ-141.00000°. Principal axes: T 1.2880,Plg6.0000°,Azm273.0000°; N 0.0040,Plg37.0000°,Azm7.0000°; P -1.2920,Plg52.0000°,Azm175.0000° $M_0$1.29000×10^{17}
ISC Event type ke. Hypocentre not reviewed by the ISC.
NEIC Event type se. Moment Tensor Solution.Duration: 6s0 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.04 $M_{\theta\theta}$-0.26 $M_{\phi\phi}$1.30 $M_{r\theta}$0.13 $M_{\theta\phi}$0.24 $M_{\phi r}$-0.13 NP1:ϕ_s199.00000°,δ43.00000°,λ-74.00000°. NP2:ϕ_s358.00000°,δ49.00000°,λ-104.00000°. Principal axes: T 1.3433,Plg3.0000°,Azm98.0000°; N -0.2676,Plg11.0000°,Azm8.0000°; P -1.0757,Plg79.0000°,Azm203.0000° $M_0$1.23000×10^{17}
TAP II 10 17 43 17.5 22.82N 120.08E 19–0 2.7L ¶614447104
TAP C.
TAP II 10 17 51 10.6 22.85N 120.11E 20–0 3.0L ¶614447112
TAP C.
TAP II 10 18 32 39.7 22.86N 120.06E 12–0 2.7L ¶614447123
TAP D.
TAP II 10 19 02 59.1 22.87N 120.14E 16–0 3.1L ¶612488706
TAP C.
ISC II 10 19 03 06.1–.89 22.85N–.02 120.11E–.02 18–2 224 0-2 ¶614447139
TAP II 10 19 03 05.0 22.83N 120.12E 14–0 3.8L
ISC Event type ke.
TAP C.
TAP II 11 01 26 15.8 22.83N 120.10E 11–0 2.3L ¶614447191
TAP C.
ISC II 12 04 31 00.2–.79 22.84N–.02 120.10E–.02 18–1 256 0-20 ¶612488721
JMA II 12 04 30 56.4–.53 23N–2.0 120E–2.0 0 4.1
ASIES II 12 04 30 58.8 22.85N 120.13E 19 4.3L,3.8W
TAP II 12 04 30 58.8 22.85N 120.13E 19–0 4.3L,3.8W
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
ASIES Moment Tensor Solution. Moment tensor: Scale 10^{21}Nm; M_{rr}-4.29 $M_{\theta\theta}$-1.55 $M_{\phi\phi}$6.50 $M_{r\theta}$2.25 $M_{\theta\phi}$1.56 $M_{\phi r}$-2.35 NP1:ϕ_s343.42000°,δ61.63000°,λ-124.78000°. NP2:ϕ_s219.04000°,δ43.72000°,λ-43.43000°. Principal axes: T Plg10.0830°,Azm97.6030°; N Plg30.1270°,Azm1.6800°; P Plg57.8880°,Azm204.0620° $M_0$6.67692×10^{21}
TAP C.
ISC II 15 23 28 09.5–.74 23.25N–.01 120.44E–.01 15–4 251 0-4 ¶612488762
JMA II 15 23 28 07.8–.32 23N–1.0 120E–1.0 11 3.8
ASIES II 15 23 28 08.5 23.26N 120.45E 9 3.8L,3.3W
TAP II 15 23 28 08.5 23.26N 120.45E 9–0 3.8L,3.3W
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
ASIES Moment Tensor Solution. Moment tensor: Scale 10^{20}Nm; M_{rr}8.18 $M_{\theta\theta}$-0.35 $M_{\phi\phi}$-7.83 $M_{r\theta}$-0.28 $M_{\theta\phi}$-3.74 $M_{\phi r}$4.00 NP1:ϕ_s10.69000°,δ57.31000°,λ76.09000°. NP2:ϕ_s215.32000°,δ35.22000°,λ110.53000°. Principal axes: T Plg73.6510°,Azm243.5580°; N Plg11.6690°,Azm18.3100°; P Plg11.2890°,Azm110.6720° $M_0$9.71044×10^{20}
TAP B.
TAP II 18 07 41 51.1 24.25N 121.67E 12–1 1.6L ¶614136809
TAP C.
TAP II 18 15 23 53.3 23.11N 120.90E 8–3 0.9L ¶614448184
TAP C.
TAP II 20 07 41 07.6 24.25N 121.72E 8–0 1.5L ¶614138445
TAP C.
ISC II 22 02 57 09.4–.80 24.23N–.01 121.81E–.02 16–5 206 0-2 ¶610239516
JMA II 22 02 57 08.0–.09 24.1N–.50 121.7E–.60 33–0 3.2
ASIES II 22 02 57 09.5 24.26N 121.77E 18 3.9L,3.5W
TAP II 22 02 57 09.5 24.26N 121.77E 18–0 3.9L,3.5W
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
ASIES Moment Tensor Solution. Moment tensor: Scale 10^{21}Nm; M_{rr}1.13 $M_{\theta\theta}$-0.08 $M_{\phi\phi}$-1.05 $M_{r\theta}$1.46 $M_{\theta\phi}$-0.72 $M_{\phi r}$1.18 NP1:ϕ_s47.59000°,δ73.94000°,λ104.20000°. NP2:ϕ_s185.15000°,δ21.31000°,λ49.57000°. Principal axes: T Plg58.6900°,Azm337.0870°; N Plg13.6320°,Azm223.5900°; P Plg27.5910°,Azm126.3090° $M_0$2.28833×10^{21}
TAP B.
ISC II 25 22 04 53.4–1.2 24.24N–.02 121.85E–.02 52–5 255 0-4 ¶612488900
JMA II 25 22 04 51.8–.17 24.2N–.70 121.8E–.60 64–1 3.1
TAP II 25 22 04 52.7 24.24N 121.82E 57–0 3.5L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP B.
ISC II 26 08 57 55.8–.94 23.17N–.02 121.64E–.02 30–8 195 0-4 ¶612488910
JMA II 26 08 57 57.5–.31 23.3N–.80 122E–2.0 7–3 3.7
ASIES II 26 08 57 58.9 23.18N 121.38E 36 3.6L,3.4W
TAP II 26 08 57 58.9 23.18N 121.38E 36–0 3.6L,3.4W
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
ASIES Moment Tensor Solution. Moment tensor: Scale 10^{21}Nm; M_{rr}-0.36 $M_{\theta\theta}$1.04 $M_{\phi\phi}$-0.68 $M_{r\theta}$0.30 $M_{\theta\phi}$-1.39 $M_{\phi r}$0.41 NP1:ϕ_s256.19000°,δ76.29000°,λ-163.20000°. NP2:ϕ_s162.09000°,δ73.69000°,λ-14.30000°. Principal axes: T Plg1.7740°,Azm28.8130°; N Plg68.4380°,Azm294.3180°; P Plg21.4820°,Azm119.5110° $M_0$1.74416×10^{21}

TAP C.
TAP II 26 17 28 23.7 23.94N 120.95E 9–0 1.9L
¶614449118
TAP B.
TAP II 27 03 33 54.7 24.14N 121.64E 6–0 1.4L
¶614449151
TAP C.
TAP II 27 06 38 11.1 24.13N 121.69E 9–0 1.7L
¶614449164
TAP D.
TAP II 27 20 58 16.4 24.43N 121.79E 15–0 1.2L
¶614144662
TAP B.
ISC II 28 07 21 15.3–.98 23.84N–.02 121.61E–.03 33–2 82 0-3
JMA II 28 07 21 14.9–.10 23.8N–.50 121.6E–.70 36–0 ¶612488937
TAP II 28 07 21 15.0 23.82N 121.58E 38–0 2.8L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP C.
TAP II 28 19 13 52.3 23.12N 120.75E 6–0 2.3L
¶614449349
TAP A.
TAP III 01 13 36 49.4 24.41N 121.81E 13–0 3.0L
¶614146207
TAP B.
TAP III 03 02 21 53.0 24.25N 121.71E 7–0 1.5L
¶614449549
TAP D.
ISC III 04 10 33 37.0–.83 24.44N–.01 121.95E–.02 17–6 267 0-6
JMA III 04 10 33 36.7–.14 24.4N–.60 121.9E–.80 40–3 3.5 ¶610245483
NIED III 04 10 33 36.7 24.39N 121.85E 40 3.9W
ASIES III 04 10 33 37.2 24.45N 121.88E 23 4.0L,3.8W
TAP III 04 10 33 37.2 24.45N 121.88E 23–0 4.0L,3.8W
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
NIED Moment Tensor Solution. s2 Moment tensor: Scale 10^{14}Nm; Mrr-2.44 Mθθ0.40 Mφφ2.04 Mrθ-5.01 Mθφ5.22 Mφr2.88 NP1:φs80.00000°,δ70.00000°,λ-39.00000°. NP2:φs185.00000°,δ54.00000°,λ-155.00000°. M0 7.86000×10^{14}
ASIES Moment Tensor Solution. Moment tensor: Scale 10^{21}Nm; Mrr-5.98 Mθθ4.26 Mφφ1.72 Mrθ-3.33 Mθφ2.41 Mφr1.00 NP1:φs78.57000°,δ59.06000°,λ-69.84000°. NP2:φs223.04000°,δ36.38000°,λ-119.90000°. Principal axes: T Plg11.8710°,Azm154.1520°; N Plg17.1980°,Azm247.8820°; P Plg68.8880°,Azm31.1670° M0 6.80312×10^{21}
TAP B.
TAP III 04 13 14 55.5 24.16N 121.64E 3–0 0.8L
¶614449734
TAP D.
ISC III 04 14 35 58.8–.84 23.06N–.01 120.54E–.01 25–3 250 0-4
ASIES III 04 14 35 57.8 23.06N 120.55E 22 3.8L,3.5W ¶614148752
TAP III 04 14 35 57.8 23.06N 120.55E 22–0 3.8L,3.5W
JMA III 04 14 35 57.3–.40 23N–1.0 121E–2.0 0 3.7,3.5W
ISC Event type ke.
ASIES Moment Tensor Solution. Moment tensor: Scale 10^{21}Nm; Mrr1.77 Mθθ-0.91 Mφφ-0.69 Mrθ-0.54 Mθφ-0.64 Mφr-1.05 NP1:φs217.62000°,δ63.05000°,λ80.32000°. NP2:φs58.25000°,δ28.51000°,λ108.30000°. Principal axes: T Plg70.3560°,Azm106.9160°; N Plg8.6200°,Azm222.0450°; P Plg17.5130°,Azm314.7870° M0 2.00404×10^{21}
TAP B.
JMA Event type ke. TAIWAN REGION .
TAP III 05 00 08 46.0 24.45N 121.86E 20–1 1.9L
¶616204878
TAP D.
TAP III 08 10 46 22.5 24.34N 121.74E 9–0 2.0L
¶614450117
TAP C.
ISC III 10 06 03 17.4–.74 23.97N–.02 121.86E–.02 50–4 3.5b 358 0-83
IDC III 10 06 03 16.6–3.1 23.95N 122.00E 47–32 3.8L,3.7 ¶610470938
NIED III 10 06 03 16.5 23.87N 121.80E 52 4.0W,3.7
JMA III 10 06 03 16.5–.16 23.9N–1.0 121.8E–.70 52–1 4.3,3.7
ASIES III 10 06 03 18.1 24.02N 121.77E 52 4.4L,3.9W
TAP III 10 06 03 18.1 24.02N 121.77E 52–0 4.4L,3.9W
ISC Event type ke.
IDC Error ellipse: s-maj=20.9km s-min=18.0km az=84.0.
NIED Moment Tensor Solution. s2 Moment tensor: Scale 10^{14}Nm; Mrr8.46 Mθθ1.48 Mφφ-9.94 Mrθ-0.13 Mθφ-3.57 Mφr1.76 NP1:φs11.00000°,δ50.00000°,λ83.00000°. NP2:φs202.00000°,δ40.00000°,λ99.00000°. M0 9.88000×10^{14}
JMA Event type ke. TAIWAN REGION .
ASIES Moment Tensor Solution. Moment tensor: Scale 10^{21}Nm; Mrr6.52 Mθθ0.03 Mφφ-6.55 Mrθ0.54 Mθφ-2.85 Mφr1.39 NP1:φs20.68000°,δ50.96000°,λ90.29000°. NP2:φs200.21000°,δ39.04000°,λ89.64000°. Principal axes: T Plg84.0350°,Azm292.6600°; N Plg0.2270°,Azm200.4900°; P Plg5.9610°,Azm110.4660° M0 7.28506×10^{21}
TAP B.
ISC III 10 07 32 11.5–.95 24.02N–.02 121.71E–.02 34–1 158 0-48
JMA III 10 07 32 09.8–.10 23.9N–.60 121.7E–.60 40–0 3.1 ¶612489056
ASIES III 10 07 32 11.0 24.02N 121.69E 38 3.6L,3.2W
TAP III 10 07 32 11.0 24.02N 121.69E 38–0 3.6L,3.2W
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
ASIES Moment Tensor Solution. Moment tensor: Scale 10^{20}Nm; Mrr9.15 Mθθ-1.48 Mφφ-7.67 Mrθ1.16 Mθφ-3.46 Mφr-0.53 NP1:φs196.32000°,δ45.55000°,λ78.99000°. NP2:φs31.85000°,δ45.51000°,λ101.02000°. Principal axes: T Plg82.1630°,Azm24.2490°; N Plg7.8370°,Azm204.0790°; P Plg0.0230°,Azm294.0820° M0 9.27306×10^{20}
TAP C.
TAP III 11 19 36 19.8 23.15N 120.78E 6–0 0.7L
¶614450521
TAP C.
TAP III 13 00 05 50.1 23.75N 121.20E 4–1 0.6L
¶614156615
TAP D.
TAP III 13 19 30 01.6 24.67N 121.60E 15–0 0.9L
¶614157341
TAP A.
TAP III 14 04 41 52.9 23.26N 121.02E 22–1 1.8L
¶614450756
TAP A.
TAP III 17 10 29 58.2 23.32N 121.66E 40–0 2.0L
¶614451077
TAP D.
TAP III 17 19 50 15.0 24.42N 121.71E 5–1 1.1L
¶614160292
TAP B.
TAP III 18 05 09 18.9 24.37N 121.72E 10–0 1.3L
¶614451194
TAP C.
TAP III 18 13 25 10.1 24.52N 121.44E 7–0 0.4L
¶614160851
TAP B.
TAP III 19 07 49 57.9 23.79N 121.39E 10–1 1.1L
¶614161689
TAP B.
ISC III 20 00 44 42.6–.89 23.10N–.02 121.49E–.02 31–7 224 0-4
JMA III 20 00 44 41.5–.30 23.1N–1.0 122E–2.0 22–4 3.7 ¶614162412
TAP III 20 00 44 42.7 23.14N 121.40E 38–0 3.7L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP B.
ISC III 20 11 03 01.4–.83 24.08N–.01 121.70E–.02 9–5 176 0-3
JMA III 20 11 03 00.1–.31 24N–1.0 122E–1.0 1 ¶614162687
TAP III 20 11 03 01.5 24.10N 121.68E 9–0 3.2L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP C.
TAP III 20 11 03 27.4 24.10N 121.67E 10–0 2.8L
¶614162684
TAP D.
ISC III 20 18 50 05.5–.82 24.66N–.02 121.55E–.02 79–4 3.5b 293 0-71
ASIES III 20 18 50 05.8 24.63N 121.55E 77 4.0L,3.3W ¶610543348
JMA III 20 18 50 05.7–.10 24.6N–.20 121.6E–.40 74–0 3.5,3.3W
TAP III 20 18 50 05.8 24.63N 121.55E 77–0 4.0L,3.3W
IDC III 20 18 50 15.9–13 24.64N 121.50E 182–137 3.6,3.1s
ISC Event type ke.
ASIES Moment Tensor Solution. Moment tensor: Scale 10^{20}Nm; Mrr6.50 Mθθ0.07 Mφφ-6.57 Mrθ5.32 Mθφ8.25 Mφr2.20 NP1:φs111.86000°,δ61.88000°,λ40.07000°. NP2:φs0.24000°,δ55.41000°,λ145.08000°. Principal axes: T Plg47.2770°,Azm328.9540°; N Plg42.4550°,Azm141.1230°; P Plg3.9110°,Azm234.7090° M0 11.99880×10^{20}
JMA Event type ke. TAIWAN REGION .
TAP B.
IDC Error ellipse: s-maj=122.1km s-min=24.0km az=65.0.
ISC III 20 23 14 55.6–1.3 24.66N–.03 121.88E–.02 62–5 148 0-2
JMA III 20 23 14 54.4–.10 24.7N–.20 121.8E–.30 68–1 2.6 ¶612489180
TAP III 20 23 14 54.7 24.64N 121.84E 65–0 3.3L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP B.
ISC III 23 17 09 26.5–.75 23.42N–.01 120.47E–.01 10–4 257 0-4
JMA III 23 17 09 24.9–.24 23N–1.0 121E–2.0 0 ¶614165024
ASIES III 23 17 09 25.4 23.42N 120.48E 6 3.6L,3.2W
TAP III 23 17 09 25.4 23.42N 120.48E 6–0 3.6L,3.2W
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
ASIES Moment Tensor Solution. Moment tensor: Scale 10^{20}Nm; Mrr3.65 Mθθ3.54 Mφφ-7.19 Mrθ-3.67 Mθφ-4.64 Mφr2.10 NP1:φs342.82000°,δ65.92000°,λ32.71000°. NP2:φs238.14000°,δ60.44000°,λ152.03000°. Principal axes: T Plg39.5920°,Azm202.2770°; N Plg50.1960°,Azm15.2480°; P Plg3.4610°,Azm109.4100° M0 8.84506×10^{20}
TAP B.
TAP III 23 19 34 16.9 23.44N 120.48E 16–1 0.9L
¶614451896
TAP D.
ISC III 24 16 20 40.1–.85 24.28N–.01 120.66E–.01 27–4 324 0-3
TAP III 24 16 20 40.0 24.27N 120.68E 24–0 3.7L ¶614451970
JMA III 24 16 20 40.9–.18 24.2N–.50 120.7E–.90 44–4 2.8
ISC Event type ke.
TAP B.
JMA Event type ke. TAIWAN REGION .
ISC III 25 03 47 06.9–1.2 24.05N–.02 121.28E–.02 77–4 308 0-3
JMA III 25 03 47 07.1–.11 24.0N–.50 121.3E–.60 65–0 3.0 ¶612489231
TAP III 25 03 47 07.3 24.07N 121.32E 67–0 3.6L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP B.
ISC III 25 15 02 58.9–.73 23.284N–.01 120.61E–.01 11–3 332 0-4
ASIES III 25 15 02 58.4 23.27N 120.63E 10 4.1L,3.8W ¶610435238
JMA III 25 15 02 58.4–.20 23.2N–.60 120.6E–.80 12–2 3.7,3.8W
TAP III 25 15 02 58.4 23.27N 120.63E 10 4.1L,3.8W
ISC Event type ke.
ASIES Moment Tensor Solution. Moment tensor: Scale 10^{21}Nm; Mrr0.07 Mθθ3.96 Mφφ-2.54 Mrθ0.86 Mθφ-3.08 Mφr2.30 NP1:φs153.71000°,δ72.46000°,λ-19.55000°. NP2:φs249.82000°,δ71.39000°,λ-161.45000°. Principal axes: T Plg0.7140°,Azm201.9200°; N Plg63.9580°,Azm293.3810°; P Plg26.0300°,Azm111.5710° M0 5.15477×10^{21}
JMA Event type ke. TAIWAN REGION .
TAP B.
ISC III 25 16 41 49.0–.73 23.27N–.01 120.59E–.01 13–3 311 0-4
JMA III 25 16 41 48.2–.38 23N–2.0 121E–2.0 19 3.5 ¶612489241
TAP III 25 16 41 48.6 23.26N 120.63E 10 3.7L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP B.
TAP III 25 17 54 55.9 23.53N 120.88E 7–0 0.9L
¶614452122
TAP B.
TAP III 26 21 49 20.6 24.47N 121.90E 16–0 1.2L
¶614167998
TAP B.
ISC III 27 08 27 56.7–.78 24.21N–.01 121.82E–.02 23–4 3.4b 260 0-83
IDC III 27 08 27 52.5–1.4 24.27N 122.19E 0 3.6s,3.5 ¶610543787
JMA III 27 08 27 56.5–.08 24.2N–.50 121.7E–.50 33–0 3.1,3.5
ASIES III 27 08 27 57.3 24.25N 121.75E 25 3.9L,3.5W
TAP III 27 08 27 57.3 24.26N 121.75E 25–0 3.9L,3.5W
ISC Event type ke.
IDC Error ellipse: s-maj=66.7km s-min=30.2km az=66.0.
JMA Event type ke. TAIWAN REGION .
ASIES Moment Tensor Solution. Moment tensor: Scale 10^{21}Nm; Mrr-0.92 Mθθ0.81 Mφφ0.11 Mrθ1.90 Mθφ0.77 Mφr0.93 NP1:φs243.91000°,δ76.26000°,λ-85.46000°. NP2:φs45.43000°,δ14.45000°,λ-107.94000°. Principal axes: T Plg31.1220°,Azm330.1690°; N Plg4.4080°,Azm62.8370°; P Plg58.4960°,Azm160.0630° M0 2.41434×10^{21}
TAP B.
TAP III 29 10 27 08.0 23.15N 120.63E 8–0 1.6L
¶614452627
TAP A.
ISC III 29 22 38 40.5–.93 23.95N–.01 121.66E–.02 33–1 284 0-4
JMA III 29 22 38 38.4–.07 23.9N–.40 121.6E–.40 44–0 3.9 ¶612489297
ASIES III 29 22 38 40 23.97N 121.63E 45 4.2L,3.5W
TAP III 29 22 38 40.0 23.97N 121.63E 45–0 4.2L,3.5W
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
ASIES Moment Tensor Solution. Moment tensor: Scale 10^{21}Nm; Mrr0.60 Mθθ1.17 Mφφ-1.77 Mrθ-1.19 Mθφ-0.29 Mφr0.95 NP1:φs325.56000°,δ78.00000°,λ45.64000°. NP2:φs223.56000°,δ45.62000°,λ163.09000°. Principal axes: T Plg39.9080°,Azm195.4410°; N Plg43.1420°,Azm337.0530°; P Plg20.3380°,Azm87.3800° M0 2.19833×10^{21}
TAP B.
ISC III 30 14 04 32.6–.85 24.28N–.01 121.65E–.02 23–4 251 0-4
JMA III 30 14 04 31.0–.26 24N–1.0 122E–2.0 31–1 2.8 ¶612489308
ASIES III 30 14 04 32.5 24.30N 121.63E 22 3.5L,3.3W
TAP III 30 14 04 32.5 24.30N 121.63E 22–0 3.5L,3.3W
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
ASIES Moment Tensor Solution. Moment tensor: Scale 10^{21}Nm; Mrr1.03 Mθθ-0.47 Mφφ-0.55 Mrθ0.67 Mθφ-0.38 Mφr0.34 NP1:φs53.79000°,δ63.97000°,λ98.93000°. NP2:φs214.10000°,δ27.42000°,λ72.38000°. Principal axes: T Plg69.7220°,Azm342.2400°; N Plg8.0130°,Azm229.8440°; P Plg18.5010°,Azm137.1440° M0 1.22663×10^{21}
TAP B.
ISC IV 01 03 55 42.3–.77 23.20N–.01 121.48E–.02 25–4 3.5b 267 0-74
JMA IV 01 03 55 37.9–.54 23N–2.0 121E–2.0 34 3.7 ¶610651677
IDC IV 01 03 55 38.2–2.8 23.09N 121.79E 0 3.5,3.5b
ASIES IV 01 03 55 42.3 23.22N 121.41E 25 4.0L,3.8W
TAP IV 01 03 55 42.3 23.22N 121.41E 25–0 4.0L,3.8W
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
IDC Error ellipse: s-maj=216.1km s-min=23.1km az=62.0.
ASIES Moment Tensor Solution. Moment tensor: Scale 10^{21}Nm; Mrr6.18 Mθθ-1.85 Mφφ-5.39 Mrθ-1.66 Mθφ-2.95 Mφr1.95 NP1:φs11.69000°,δ51.68000°,λ66.46000°. NP2:φs226.78000°,δ44.01000°,λ116.81000°. Principal axes: T Plg71.2700°,Azm220.0940°; N Plg18.2620°,Azm26.8060°; P Plg4.0190°,Azm118.1340° M0 7.11175×10^{21}
TAP C.
TAP IV 01 03 57 27.0 24.31N 121.90E 31–0 2.6L
¶614641869
TAP D.
ISC IV 03 01 04 14.5–.89 24.43N–.02 121.98E–.02 17–6 85 0-2
JMA IV 03 01 04 14.5–.09 24.3N–.70 121.9E–.60 42 ¶612489363
TAP IV 03 01 04 14.9 24.47N 121.96E 18–0 2.7L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP C.
ISC IV 03 07 37 44.7–1.1 23.87N–.02 121.95E–.02 19–3 174 0-3

JMA IV 03 07 37 46.9–.11 23.8N–.60 121.8E–.30 36 2.5 ¶614642069
TAP IV 03 07 37 47.6 23.93N 121.78E 51–0 3.0L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP C.
TAP IV 03 08 09 47.6 24.28N 121.65E 6–0 1.4L
¶614642071
TAP C.
ISC IV 03 10 04 53.6–.89 24.39N–.01 121.94E–.02 18–3 188 0-2
JMA IV 03 10 04 51.8–.12 24N–3.0 121.8E–.70 54–3 2.7 ¶612489368
TAP IV 03 10 04 53.2 24.40N 121.92E 25–0 3.3L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP B.
TAP IV 03 10 25 54.6 22.72N 120.80E 21–0 1.7L
¶614642091
TAP A.
ISC IV 04 02 23 54.4–.87 24.38N–.01 121.91E–.02 23–4 243 0-4
ASIES IV 04 02 23 54.3 24.40N 121.89E 25 3.8L,3.4W ¶612489378
TAP IV 04 02 23 54.3 24.40N 121.89E 25–0 3.8L,3.4W
JMA IV 04 02 23 54.1–.14 24.3N–.70 121.9E–.70 43–2 2.9,3.4W
ISC Event type ke.
ASIES Moment Tensor Solution. Moment tensor: Scale 10^{21}Nm; M_{rr}-0.79 $M_{\theta\theta}$0.02 $M_{\phi\phi}$0.76 $M_{r\theta}$-0.15 $M_{\theta\phi}$1.24 $M_{\phi r}$0.98 NP1:ϕ_s182.27000°,δ71.98000°,λ-133.62000°. NP2:ϕ_s74.28000°,δ46.49000° ,λ-25.25000°. Principal axes: T Plg15.5500°,Azm302.6860°; N Plg40.9920°,Azm198.6920° ; P Plg44.8770°,Azm48.7710° $M_0$1.77079×10^{21}
TAP B.
JMA Event type ke. TAIWAN REGION .
TAP IV 04 15 32 48.1 23.26N 120.64E 10–0 0.6L
¶614642239
TAP A.
TAP IV 05 06 02 13.9 24.27N 121.41E 7–0 1.4L
¶614642283
TAP B.
ISC IV 05 07 54 36.1–1.2 23.99N–.02 121.83E–.03 44–6 104 0-2
JMA IV 05 07 54 34.8–.11 24.3N–.50 121.7E–.50 59–1 ¶614642288
TAP IV 05 07 54 35.3 24.01N 121.83E 49–0 2.6L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP C.
TAP IV 05 18 00 51.4 23.84N 121.25E 32–1 0.9L
¶614642347
TAP B.
ISC IV 06 21 40 39.5–.79 24.27N–.01 121.94E–.01 15–5 3.6b 254 0-83
NIED IV 06 21 40 38.1 24.09N 121.82E 42 4.2W ¶610630702
JMA IV 06 21 40 38.1–.18 24N–1.0 121.8E–.90 42–1 3.9
ASIES IV 06 21 40 39.4 24.31N 121.92E 10 4.2L,3.7W
TAP IV 06 21 40 39.4 24.31N 121.92E 10–0 4.2L,3.7W
IDC IV 06 21 40 44.4–3.6 24.26N 122.15E 64–36 3.7,3.5s
ISC Event type ke.
NIED Moment Tensor Solution. s2 Moment tensor: Scale 10^{15}Nm; M_{rr}0.13 $M_{\theta\theta}$-0.14 $M_{\phi\phi}$0.01 $M_{r\theta}$-1.90 $M_{\theta\phi}$-0.02 $M_{\phi r}$0.11 NP1:ϕ_s273.00000°,δ88.00000°,λ91.00000°. NP2:ϕ_s69.00000° ,δ2.00000°,λ66.00000°. $M_0$1.91000×10^{15}
JMA Event type ke. TAIWAN REGION .
ASIES Moment Tensor Solution. Moment tensor: Scale 10^{21}Nm; M_{rr}2.40 $M_{\theta\theta}$-1.43 $M_{\phi\phi}$1.47 $M_{r\theta}$-1.28 $M_{\theta\phi}$1.37 $M_{\phi r}$3.96 NP1:ϕ_s332.14000°,δ80.29000°,λ115.55000°. NP2:ϕ_s81.57000°,δ27.22000° ,λ21.64000°. Principal axes: T Plg48.4240°,Azm269.5000°; N Plg25.1610°,Azm147.5260° ; P Plg30.6320°,Azm41.3760° $M_0$4.91779×10^{21}
TAP B.
IDC Error ellipse: s-maj=24.2km s-min=18.1km az=72.0.
ISC IV 06 23 03 33.3–.92 24.28N–.02 121.94E–.02 13–7 136 0-2
JMA IV 06 23 03 31.2–.35 24N–2.0 122E–2.0 51–2 2.9 ¶614642482
TAP IV 06 23 03 33.2 24.28N 121.91E 16–0 3.3L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP C.
TAP IV 07 06 19 10.7 24.83N 121.90E 14–0 1.0L
¶614642511
TAP C.
ISC IV 07 06 19 17.3–.73 22.84N–.01 120.65E–.01 19–3 265 0-4
JMA IV 07 06 19 14.6–.40 23N–1.0 121E–2.0 0 3.8 ¶612489398
ASIES IV 07 06 19 16.0 22.85N 120.65E 19 3.9L,3.6W
TAP IV 07 06 19 16.0 22.85N 120.65E 19–0 3.9L,3.6W
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
ASIES Moment Tensor Solution. Moment tensor: Scale 10^{21}Nm; M_{rr}2.13 $M_{\theta\theta}$-0.19 $M_{\phi\phi}$-1.94 $M_{r\theta}$-0.02 $M_{\theta\phi}$-1.05 $M_{\phi r}$-1.67 NP1:ϕ_s190.27000°,δ63.47000°,λ75.07000°. NP2:ϕ_s41.10000° ,δ30.17000°,λ117.30000°. Principal axes: T Plg67.9880°,Azm71.1820°; N Plg13.3270° ,Azm197.0530°; P Plg17.1900°,Azm291.2550° $M_0$2.83923×10^{21}
TAP B.
TAP IV 07 20 32 18.6 24.32N 121.73E 5–0 1.5L
¶614642589
TAP B.
TAP IV 08 08 54 38.3 22.79N 120.69E 18–0 1.5L
¶614642630
TAP D.
ISC IV 08 15 42 53.6–1.2 23.83N–.02 121.81E–.02 43–5 228 0-4
TAP IV 08 15 42 53.0 23.85N 121.77E 51–0 3.5L ¶614642680
JMA IV 08 15 42 52.4–.14 23.8N–.80 121.8E–.60 45–1 3.2
ISC Event type ke.
TAP B.
JMA Event type ke. TAIWAN REGION .
ISC IV 08 15 57 00.1–.84 23.72N–.01 121.44E–.02 29–4 263 0-3
JMA IV 08 15 56 59.4–.10 23.7N–.30 121.5E–.70 12–1 3.0 ¶612489412
TAP IV 08 15 56 59.8 23.74N 121.40E 28–0 3.4L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP B.
TAP IV 08 16 01 02.9 22.88N 120.08E 21–0 2.3L
¶614642682
TAP C.
TAP IV 08 17 26 01.8 23.26N 120.63E 11–0 0.7L
¶614642687
TAP A.
TAP IV 08 22 39 17.1 23.23N 120.67E 3–0 0.5L
¶614642700
TAP C.
TAP IV 09 05 03 19.4 24.18N 121.70E 10–0 1.6L
¶614642735
TAP D.
ISC IV 09 11 48 47.0–1.2 24.25N–.02 121.84E–.02 40–5 195 0-3
JMA IV 09 11 48 45.3–.10 24.2N–.50 121.8E–.40 54–1 2.6 ¶614642749
TAP IV 09 11 48 46.1 24.27N 121.80E 46–0 3.4L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP C.
ISC IV 09 21 19 35.8–.88 23.81N–.02 121.65E–.02 32–5 193 0-4
JMA IV 09 21 19 33.9–.13 23.7N–.90 122E–1.0 39–2 2.7 ¶612489425
TAP IV 09 21 19 35.8 23.82N 121.63E 34–0 3.2L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP C.
ISC IV 09 23 42 12.5–1.2 24.36N–.02 121.62E–.02 49–4 214 0-3
TAP IV 09 23 42 11.9 24.35N 121.60E 52–0 4.0L ¶614642803
JMA IV 09 23 42 12.2–.11 25N–3.0 122E–1.0 83–1 3.3
ISC Event type ke.
TAP B.
JMA Event type ke. TAIWAN REGION .
ISC IV 10 20 53 52.9–1.2 24.38N–.02 121.81E–.02 59–4 237 0-4
JMA IV 10 20 53 51.9–.14 24.4N–.40 121.8E–.50 65–1 2.8 ¶614642852
TAP IV 10 20 53 52.7 24.38N 121.79E 58–0 3.4L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP B.
ISC IV 11 16 04 59.7–.97 23.85N–.02 121.70E–.02 33–2 216 0-3
JMA IV 11 16 04 57.9–.09 23.8N–.50 121.6E–.50 40–0 3.3 ¶612489431
TAP IV 11 16 04 59.0 23.86N 121.67E 44–0 3.6L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP C.
ISC IV 11 16 16 13.5–.75 23.66N–.01 120.93E–.01 16–4 260 0-4
JMA IV 11 16 16 12.1–.15 23.6N–.50 120.9E–.50 7–1 3.6 ¶614642909
TAP IV 11 16 16 13.1 23.68N 120.92E 13–0 3.8L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP B.
TAP IV 11 21 59 01.9 23.13N 120.78E 7–0 1.5L
¶614642940
TAP A.
ISC IV 11 22 12 34.0–.90 23.86N–.02 121.76E–.02 23–5 163 0-3
JMA IV 11 22 12 32.5–.11 23.8N–.60 121.8E–.90 8–2 2.9 ¶614642941
TAP IV 11 22 12 34.1 23.88N 121.72E 24–0 3.2L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP C.
ISC IV 12 10 24 33.7–1.4 24.87N–.04 121.91E–.03 112–6 156 0-3
TAP IV 12 10 24 34.8 24.87N 121.87E 106–0 3.2L ¶614642976
JMA IV 12 10 24 34.1–.20 24.8N–.60 121.9E–.50 107–1 2.5
ISC Event type ke.
TAP A.
JMA Event type ke. TAIWAN REGION .
TAP IV 12 15 31 14.0 24.25N 121.77E 15–0 2.2L
¶612489449
TAP C.
TAP IV 12 15 31 19.1 22.90N 120.11E 18–0 1.9L
¶614642992
TAP D.
TAP IV 14 03 43 28.2 23.14N 120.78E 6–0 1.6L
¶614643142
TAP B.
TAP IV 15 07 22 31.8 22.46N 120.92E 14–1 2.0L
¶614643298
TAP A.
ISC IV 16 00 54 22.8–.88 23.01N–.02 121.42E–.02 32–5 183 0-3
JMA IV 16 00 54 21.4–.84 23N–2.0 121E–3.0 3–4 3.4 ¶614643361
TAP IV 16 00 54 23.1 23.03N 121.33E 36–0 3.4L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP C.
TAP IV 16 14 40 54.1 23.57N 120.61E 6–0 1.1L
¶614643437
TAP B.
TAP IV 16 14 40 57.2 23.20N 120.29E 27–0 1.5L
¶614643440
TAP A.
ISC IV 16 18 34 17.3–.71 23.27N–.01 120.69E–.01 10–4 3.7b,3.3s 291 0-84
NIED IV 16 18 34 14.4 23.21N 120.59E 0 4.3W,3.3s ¶610529007
JMA IV 16 18 34 14.4–.22 23.2N–.80 120.6E–1.0 0 4.3,3.3s
IDC IV 16 18 34 15.7–.82 23.17N 120.79E 0 3.6,3.6b
ASIES IV 16 18 34 16.6 23.28N 120.68E 7 4.5L,4.1W
TAP IV 16 18 34 16.6 23.28N 120.68E 7–0 4.5L,4.1W
ISC Event type ke.
NIED Moment Tensor Solution. s2 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.27 $M_{\theta\theta}$-1.19 $M_{\phi\phi}$1.46 $M_{r\theta}$-1.51 $M_{\theta\phi}$2.23 $M_{\phi r}$-0.65 NP1:ϕ_s73.00000°,δ89.00000°,λ-32.00000°. NP2:ϕ_s164.00000° ,δ58.00000°,λ-179.00000°. $M_0$3.07000×10^{15}
JMA Event type ke. TAIWAN REGION .
IDC Error ellipse: s-maj=24.8km s-min=17.2km az=69.0.
ASIES Moment Tensor Solution. Moment tensor: Scale 10^{22}Nm; M_{rr}0.14 $M_{\theta\theta}$0.45 $M_{\phi\phi}$-0.37 $M_{r\theta}$0.09 $M_{\theta\phi}$-1.75 $M_{\phi r}$-0.34 NP1:ϕ_s173.64000°,δ87.90000°,λ10.93000°. NP2:ϕ_s83.24000°,δ79.08000° ,λ177.86000°. Principal axes: T Plg9.2000°,Azm38.9510°; N Plg78.8750°,Azm184.3990° ; P Plg6.2020°,Azm307.9420° $M_0$1.82891×10^{22}
TAP B.
ISC IV 16 19 01 17.0–.77 23.29N–.01 120.68E–.01 11–4 260 0-4
JMA IV 16 19 01 14.3–.29 23N–1.0 121E–1.0 0 ¶614643478
ASIES IV 16 19 01 16.4 23.28N 120.68E 7 3.6L,3.2W
TAP IV 16 19 01 16.4 23.28N 120.68E 7–0 3.6L,3.2W
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
ASIES Moment Tensor Solution. Moment tensor: Scale 10^{20}Nm; M_{rr}-0.42 $M_{\theta\theta}$1.83 $M_{\phi\phi}$-1.38 $M_{r\theta}$-3.70 $M_{\theta\phi}$-6.78 $M_{\phi r}$-1.53 NP1:ϕ_s84.63000°,δ83.66000°,λ-151.43000°. NP2:ϕ_s351.19000° ,δ61.62000°,λ-7.21000°. Principal axes: T Plg14.9530°,Azm214.6290°; N Plg60.7920° ,Azm96.0940°; P Plg24.4680°,Azm311.6100° $M_0$8.04523×10^{20}
TAP B.
TAP IV 17 09 36 55.9 23.78N 121.75E 18–0 1.6L
¶614643612
TAP D.
ISC IV 18 12 44 36.3–.94 23.97N–.02 121.68E–.02 33–2 213 0-3
JMA IV 18 12 44 35.0–.09 23.8N–.50 121.7E–.60 35–1 2.5 ¶614643695
TAP IV 18 12 44 36.1 23.97N 121.65E 39–0 3.1L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP B.
ISC IV 18 14 38 00.6–.77 23.37N–.01 121.55E–.02 32–4 3.4b 294 0-48
IDC IV 18 14 37 56.1–1.3 23.27N 121.57E 0 3.6,3.4b ¶610619274
NIED IV 18 14 38 00.7 23.41N 121.55E 14 3.8W,3.4b
JMA IV 18 14 38 00.7–.20 23.4N–.60 122E–1.0 14–2 3.8,3.4b
ASIES IV 18 14 38 01.4 23.38N 121.45E 33 4.0L,3.7W
TAP IV 18 14 38 01.4 23.38N 121.45E 33–0 4.0L,3.7W
ISC Event type ke.
IDC Error ellipse: s-maj=33.4km s-min=25.6km az=70.0.
NIED Moment Tensor Solution. s2 Moment tensor: Scale 10^{14}Nm; M_{rr}-2.19 $M_{\theta\theta}$3.62 $M_{\phi\phi}$-1.43 $M_{r\theta}$-3.70 $M_{\theta\phi}$-0.34 $M_{\phi r}$-0.50 NP1:ϕ_s81.00000°,δ72.00000°,λ-102.00000°. NP2:ϕ_s296.00000° ,δ22.00000°,λ-57.00000°. $M_0$4.78000×10^{14}
JMA Event type ke. TAIWAN REGION .
ASIES Moment Tensor Solution. Moment tensor: Scale 10^{21}Nm; M_{rr}-4.20 $M_{\theta\theta}$3.45 $M_{\phi\phi}$0.14 $M_{r\theta}$-2.62 $M_{\theta\phi}$-1.80 $M_{\phi r}$0.14 NP1:ϕ_s102.32000°,δ61.09000°,λ-102.00000°. NP2:ϕ_s306.06000° ,δ31.10000°,λ-69.37000°. Principal axes: T Plg15.2870°,Azm201.0920°; N Plg10.4860° ,Azm108.1930°; P Plg71.3150°,Azm345.0120° $M_0$4.98779×10^{21}
TAP C.
ISC IV 19 05 48 33.8–.81 24.47N–.02 121.91E–.02 17–5 103 0-2
JMA IV 19 05 48 33.8–.07 24.4N–.30 121.9E–.40 33 2.3 ¶614643799
TAP IV 19 05 48 34.3 24.49N 121.84E 15–0 2.8L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP B.
ISC IV 20 05 14 02.0–1.2 24.07N–.02 121.71E–.02 43–5 153 0-3
JMA IV 20 05 14 00.7–.09 24.1N–.70 121.7E–.50 50–0 2.5 ¶614643898
TAP IV 20 05 14 01.2 24.08N 121.68E 50–0 3.2L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP C.
ISC IV 20 12 49 33.3–2.1 23.83N–.02 122.00E–.02 36–2 258 0-5
JMA IV 20 12 49 31.1–.15 23.8N–.80 122.0E–.70 27–2 2.8 ¶612489520
TAP IV 20 12 49 32.9 23.87N 121.97E 37–0 3.3L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP C.
TAP IV 20 13 55 30.3 23.28N 120.68E 8–0 0.8L
¶614643927
TAP A.
TAP IV 20 22 32 33.1 24.40N 121.63E 3–0 1.5L
¶614644004

TAP C.
TAP IV 21 14 24 49.9 22.96N 120.99E 11–1 1.3L ¶614644096
TAP B.
TAP IV 22 04 38 21.6 24.41N 121.77E 45–1 1.8L ¶614644152
TAP C.
ISC IV 23 08 17 22.1–.89 24.37N–.02 121.96E–.02 18–5 155 0-3
JMA IV 23 08 17 20.6–.17 24.3N–.60 121.8E–.60 60–1 2.9 **¶614644245**
TAP IV 23 08 17 22.0 24.41N 121.92E 18–0 3.4L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP B.
TAP IV 23 09 51 17.9 24.43N 121.91E 21–0 1.9L ¶614644267
TAP A.
TAP IV 24 06 29 30.4 24.37N 121.74E 14–0 1.8L ¶614644343
TAP C.
TAP IV 24 23 35 47.2 24.81N 121.77E 10–0 3.8L ¶614644445
TAP B.
TAP IV 25 06 06 32.0 23.86N 121.53E 19–0 1.2L ¶614644467
TAP D.
TAP IV 25 14 53 52.8 22.39N 120.85E 9–0 0.6L ¶614644526
TAP B.
ISC IV 26 04 15 40.6–1.2 24.29N–.03 121.77E–.03 49–6 93 0-2
JMA IV 26 04 15 39.2–.18 24.3N–.80 121.7E–.80 59–1 2.6 **¶612489575**
TAP IV 26 04 15 40.0 24.32N 121.70E 54–0 3.2L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP C.
TAP IV 26 04 56 56.9 23.88N 121.44E 27–0 2.8L ¶614644593
TAP C.
TAP IV 27 14 34 54.0 24.42N 121.85E 13–0 3.6L ¶614644738
TAP B.
ISC IV 30 06 07 55.4–.80 24.13N–.01 121.69E–.02 10–5 154 0-3
JMA IV 30 06 07 54.2–.14 24.0N–.60 121.6E–.90 7–1 2.8 **¶612489615**
TAP IV 30 06 07 55.2 24.14N 121.69E 10–0 3.3L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP C.
ISC IV 30 06 24 19.3–1.4 24.93N–.04 121.93E–.03 96–6 185 0-3
TAP IV 30 06 24 19.1 24.93N 121.93E 96–0 3.8L **¶612489616**
JMA IV 30 06 24 20.2–.20 24.9N–.60 122.0E–.50 84–2 2.5
ISC Event type ke.
TAP B.
JMA Event type ke. TAIWAN REGION .
TAP IV 30 13 08 51.3 22.28N 120.91E 13–0 2.0L ¶614644991
TAP A.
TAP IV 30 13 09 06.4 23.10N 121.02E 22–1 1.5L ¶614644994
TAP B.
TAP IV 30 20 25 17.7 24.41N 121.79E 12–0 0.9L ¶614645033
TAP B.
TAP IV 30 20 27 52.2 24.06N 121.69E 37–0 1.6L ¶614645034
TAP D.
ISC V 02 21 33 46.4–.89 24.43N–.01 121.94E–.02 18–3 180 0-3
JMA V 02 21 33 45.0–.23 24.3N–.90 121.8E–.90 53–2 2.8 **¶614645183**
TAP V 02 21 33 46.9 24.44N 121.87E 23–0 3.6L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP B.
TAP V 03 19 10 22.4 24.57N 121.94E 72–0 1.8L ¶614645262
TAP C.
ISC V 03 20 12 01.0–.76 22.79N–.01 120.98E–.01 16–4 270 0-4
JMA V 03 20 11 59.9–.58 23N–2.0 121E–2.0 0 3.2 **¶614645268**
TAP V 03 20 12 00.3 22.83N 120.91E 8–0 3.7L
ASIES V 03 20 12 00.3 22.83N 120.91E 8 3.7L,3.3W
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP C.
ASIES Moment Tensor Solution. Moment tensor: Scale 10^{21}Nm; M_{rr}-1.03 $M_{\theta\theta}$0.06 $M_{\phi\phi}$0.97 $M_{r\theta}$-0.04 $M_{\theta\phi}$-0.43 $M_{\phi r}$0.45 NP1:ϕ_s165.24000°,δ56.21000°,λ-81.88000°. NP2:ϕ_s330.85000°,δ34.64000°,λ-101.92000°. Principal axes: T Plg10.8650°,Azm249.4030°; N Plg6.7420°,Azm340.7030°; P Plg77.1690°,Azm101.9720° $M_0$1.17578×10^{21}
TAP V 03 21 23 31.1 23.51N 121.96E 32–0 2.4L ¶614645291
TAP C.
ISC V 04 17 44 33.3–1.0 23.65N–.02 121.93E–.02 14–8 201 0-3
JMA V 04 17 44 32.8–.34 24N–1.0 122.0E–.70 10 2.5 **¶614813048**
TAP V 04 17 44 34.3 23.69N 121.87E 15–0 2.7L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP C.
TAP V 04 19 13 09.2 23.10N 120.81E 6–0 1.1L ¶614645369
TAP B.
TAP V 04 19 13 11.2 23.47N 120.71E 8–0 1.3L ¶614645372
TAP B.
ISC V 05 05 07 30.0–.68 23.40N–.02 121.60E–.02 32–4 4.2b 321 0-84
IDC V 05 05 07 25.9–.76 23.35N 121.88E 0 4.1b,4.0 **¶610598551**
BJI V 05 05 07 28.0–.00 23.38N 121.62E 33 4.4b,4.3b
JMA V 05 05 07 29.2–.41 23N–1.0 122E–1.0 21–2 4.4,4.3
NIED V 05 05 07 29.2 23.40N 121.58E 21 4.1W,4.3b
TAP V 05 05 07 30.4 23.43N 121.52E 34–0 4.6L,4.3b
NEIC V 05 05 07 30.1–1.4 23.43N–.03 121.54E–.04 29–4 4.2b,4.3b
ASIES V 05 05 07 30.4 23.43N 121.52E 34 4.6L,4.1W
ISC Event type ke.
IDC Error ellipse: s-maj=29.3km s-min=15.5km az=89.0.
JMA Event type ke. TAIWAN REGION .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.41 $M_{\theta\theta}$0.88 $M_{\phi\phi}$-1.30 $M_{r\theta}$0.24 $M_{\theta\phi}$-0.13 $M_{\phi r}$-0.80 NP1:ϕ_s146.00000°,δ82.00000°,λ41.00000°. NP2:ϕ_s49.00000°,δ49.00000°,λ170.00000°. $M_0$1.35000×10^{15}
TAP C.
NEIC Event type se. Error ellipse: s-maj=5.8km s-min=3.8km az=132.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ASIES Moment Tensor Solution. Moment tensor: Scale 10^{22}Nm; M_{rr}1.49 $M_{\theta\theta}$-0.17 $M_{\phi\phi}$-1.32 $M_{r\theta}$-0.59 $M_{\theta\phi}$-0.47 $M_{\phi r}$-0.61 NP1:ϕ_s211.01000°,δ59.66000°,λ101.54000°. NP2:ϕ_s8.99000°,δ32.26000°,λ71.12000°. Principal axes: T Plg72.7610°,Azm149.5290°; N Plg9.9460°,Azm25.1200°; P Plg13.9360°,Azm292.6260° $M_0$1.71234×10^{22}
ISC V 05 16 34 21.0–.90 24.40N–.02 121.90E–.02 25–5 83 0-2
JMA V 05 16 34 20.0–.17 24.3N–.70 121.8E–.70 50–2 2.4 **¶614645444**
TAP V 05 16 34 20.7 24.40N 121.88E 24–0 2.9L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP D.
ISC V 08 07 30 01.2–.80 24.40N–.01 121.97E–.02 18–3 3.9b,3.1s 254 0-82
IDC V 08 07 29 58.4–.95 24.57N 121.95E 0 3.8,3.8b **¶610689780**
NEIC V 08 07 30 01.4–1.4 24.38N–.03 121.96E–.02 18–1 4.0b,3.8b
TAP V 08 07 30 01.6 24.42N 121.93E 24–0 4.1L,3.8b
JMA V 08 07 30 01.5–.08 24.3N–.40 121.9E–.40 41–1 3.8,3.8b
ASIES V 08 07 30 01.6 24.42N 121.93E 24 4.1L,3.8W
ISC Event type ke.
IDC Error ellipse: s-maj=37.5km s-min=20.6km az=65.0.
NEIC Event type se. Error ellipse: s-maj=4.2km s-min=2.2km az=156.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TAP C.
JMA Event type ke. TAIWAN REGION .
ASIES Moment Tensor Solution. Moment tensor: Scale 10^{21}Nm; M_{rr}3.74 $M_{\theta\theta}$-3.38 $M_{\phi\phi}$-1.47 $M_{r\theta}$1.39 $M_{\theta\phi}$4.10 $M_{\phi r}$4.17 NP1:ϕ_s341.35000°,δ64.11000°,λ131.20000°. NP2:ϕ_s97.85000°,δ47.40000°,λ36.38000°. Principal axes: T Plg51.9390°,Azm300.4190°; N Plg36.3440°,Azm140.4260°; P Plg9.7820°,Azm43.1380° $M_0$7.06507×10^{21}
ISC V 08 20 18 01.6–1.2 24.91N–.03 121.78E–.02 91–5 234 0-4
TAP V 08 20 18 01.4 24.90N 121.78E 92–0 3.7L **¶614645854**
JMA V 08 20 18 01.6–.15 24.8N–.40 121.8E–.50 90–1 2.8
ISC Event type ke.
TAP A.
JMA Event type ke. TAIWAN REGION .
TAP V 09 19 33 26.9 24.40N 121.77E 10–0 2.0L ¶614645948
TAP B.
TAP V 11 17 34 43.5 23.54N 120.55E 18–1 0.9L ¶614646108
TAP D.
TAP V 11 22 08 10.9 22.33N 120.83E 12–0 1.6L ¶614646129
TAP B.
TAP V 14 18 56 39.0 24.45N 121.38E 6–0 0.8L ¶614646460
TAP A.
ISC V 15 23 12 54.0–.28 23.25N–.01 121.52E–.02 23–1 5.3b,5.0s 1639 0-177
MOS V 15 23 12 49.9–.90 23.23N 121.46E 9 5.5b,4.9s **¶611833891**
NEIC V 15 23 12 52.4 23.23N 121.48E 10 5.5b,4.9s
NEIC V 15 23 12 53.8 23.27N 121.44E 24 5.5b,4.9s
JMA V 15 23 12 53.2–.30 23.3N–.80 122E–2.0 9–3 5.3,5.2
NEIC V 15 23 12 53.5–2.0 23.26N–.05 121.45E–.05 16–3 5.4b,5.3
NIED V 15 23 12 53.2 23.31N 121.56E 9 5.3W,5.3
NEIC V 15 23 12 53.8 23.07N 121.55E 24 5.3W,5.3
ASIES V 15 23 12 54.4 23.27N 121.43E 28 5.8L,5.3W
TAP V 15 23 12 54.5 23.28N 121.43E 25–0 5.8L,5.3W
BJI V 15 23 12 54.0–.00 23.35N 121.45E 10 5.6L,5.5
GCMT V 15 23 12 55.1–.10 23.24N–.01 121.42E–.01 28–0 5.4W,5.5
IDC V 15 23 12 56.2–1.5 23.25N 121.57E 47–14 4.8s,4.8
BGR V 15 23 12 58.9 23.23N 121.61E 32–1 5.0b,4.8
ISC Event type ke.
MOS Error ellipse: s-maj=5.8km s-min=3.6km az=115.7.
NEIC Event type se.
NEIC Event type se.
JMA Event type ke. TAIWAN REGION .
NEIC Event type se. Error ellipse: s-maj=7.9km s-min=7.1km az=154.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.68 $M_{\theta\theta}$-0.15 $M_{\phi\phi}$-0.52 $M_{r\theta}$-0.05 $M_{\theta\phi}$-0.44 $M_{\phi r}$0.67 NP1:ϕ_s236.33000°,δ31.76000°,λ131.99000°. NP2:ϕ_s9.70000°,δ66.97000°,λ67.51000°. Principal axes: T 1.0203,Plg61.0000°,Azm245.0000°; N -0.0244,Plg21.0000°,Azm19.0000°; P -0.9958,Plg19.0000°,Azm116.0000° $M_0$1.01000×10^{17}
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}7.39 $M_{\theta\theta}$1.73 $M_{\phi\phi}$-9.12 $M_{r\theta}$1.44 $M_{\theta\phi}$-3.08 $M_{\phi r}$0.09 NP1:ϕ_s29.00000°,δ48.00000°,λ110.00000°. NP2:ϕ_s180.00000°,δ45.00000°,λ69.00000°. $M_0$8.86000×10^{16}
NEIC Event type se. Moment Tensor Solution.Duration: 2ş3 Moment tensor: Scale 10^{17}Nm; M_{rr}1.12 $M_{\theta\theta}$-0.09 $M_{\phi\phi}$-1.03 $M_{r\theta}$0.07 $M_{\theta\phi}$-0.51 $M_{\phi r}$0.42 NP1:ϕ_s18.14000°,δ54.89000°,λ83.34000°. NP2:ϕ_s209.61000°,δ35.66000°,λ99.37000°. Principal axes: T 1.1978,Plg79.0000°,Azm263.0000°; N 0.1257,Plg5.0000°,Azm22.0000°; P -1.3235,Plg10.0000°,Azm113.0000° $M_0$1.26000×10^{17}
ASIES Moment Tensor Solution. Moment tensor: Scale 10^{23}Nm; M_{rr}7.68 $M_{\theta\theta}$-1.25 $M_{\phi\phi}$-6.45 $M_{r\theta}$-4.00 $M_{\theta\phi}$-5.87 $M_{\phi r}$5.44 NP1:ϕ_s2.93000°,δ61.38000°,λ52.39000°. NP2:ϕ_s241.05000°,δ45.94000°,λ138.20000°. Principal axes: T Plg56.1420°,Azm222.1590°; N Plg32.3920°,Azm23.1750°; P Plg8.8030°,Azm118.8140° $M_0$11.45070×10^{23}
TAP C.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s138,c240; s136,c254;Duration: 1ş2 Moment tensor: Scale 10^{17}Nm; M_{rr}1.35±.02 $M_{\theta\theta}$-0.10±.02; $M_{\phi\phi}$-1.24±.02; $M_{r\theta}$-0.43±.03; $M_{\theta\phi}$-0.60±.01; $M_{\phi r}$0.39±.03; Best double couple: NP1:ϕ_s3.00000°,δ53.00000°,λ63.00000°. NP2:ϕ_s223.00000°,δ45.00000°,λ120.00000°. Principal axes: T 1.5740,Plg69.0000°,Azm213.0000°; N -0.0550,Plg21.0000°,Azm20.0000°; P -1.5140,Plg4.0000°,Azm112.0000° $M_0$1.54400×10^{17}
IDC Error ellipse: s-maj=9.8km s-min=8.0km az=74.0.
BGR Event type ke.
TAP V 17 18 53 22.2 24.70N 121.78E 64–0 2.2L ¶614646845
TAP B.
ISC V 19 03 27 16.7–.81 23.78N–.01 121.45E–.02 8–5 199 0-4
JMA V 19 03 27 16.6–.15 23.8N–.40 122E–1.0 0 3.1 **¶612489751**
TAP V 19 03 27 16.4 23.79N 121.40E 9–0 3.6L
ASIES V 19 03 27 16.4 23.79N 121.40E 9 3.6L,3.2W
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP C.
ASIES Moment Tensor Solution. Moment tensor: Scale 10^{20}Nm; M_{rr}1.19 $M_{\theta\theta}$-6.06 $M_{\phi\phi}$4.86 $M_{r\theta}$4.99 $M_{\theta\phi}$-2.83 $M_{\phi r}$-4.91 NP1:ϕ_s120.53000°,δ83.92000°,λ132.60000°. NP2:ϕ_s217.09000°,δ42.95000°,λ8.94000°. Principal axes: T Plg36.3300°,Azm66.9710°; N Plg42.3050°,Azm294.9600°; P Plg26.2760°,Azm178.2600° $M_0$9.37730×10^{20}
ISC V 20 07 21 01.7–.70 23.87N–.01 121.03E–.01 17–4 3.4b 243 0-49
IDC V 20 07 20 58.9–2.7 23.64N 121.04E 0 3.8s,3.5 **¶610685013**
TAP V 20 07 21 01.0 23.89N 121.02E 17–0 4.0L,3.5
ASIES V 20 07 21 01.0 23.89N 121.02E 17 4.0L,3.5W
JMA V 20 07 21 01.3–.13 23.9N–.60 121.1E–.40 3–1 3.3,3.5W
ISC Event type ke.
TAP B.
ASIES Moment Tensor Solution. Moment tensor: Scale 10^{21}Nm; M_{rr}2.25 $M_{\theta\theta}$-0.59 $M_{\phi\phi}$-1.66 $M_{r\theta}$-1.14 $M_{\theta\phi}$-1.18 $M_{\phi r}$-0.11 NP1:ϕ_s231.87000°,δ56.62000°,λ112.69000°. NP2:ϕ_s14.64000°,δ39.61000°,λ59.66000°. Principal axes: T Plg69.0410°,Azm191.5430°; N Plg18.7870°,Azm38.9110°; P Plg8.9560°,Azm305.8380° $M_0$2.60371×10^{21}
JMA Event type ke. TAIWAN REGION .
ISC V 23 04 26 31.3–.76 23.37N–.01 120.46E–.01 16–4 192 0-3
TAP V 23 04 26 30.6 23.36N 120.46E 11–0 3.6L **¶612489786**
ASIES V 23 04 26 30.6 23.36N 120.46E 11 3.6L,3.4W
ISC Event type ke.
TAP B.
ASIES Moment Tensor Solution. Moment tensor: Scale 10^{21}Nm; M_{rr}0.93 $M_{\theta\theta}$-0.58 $M_{\phi\phi}$-1.06 $M_{r\theta}$0.22 $M_{\theta\phi}$-0.51 $M_{\phi r}$0.45 NP1:ϕ_s29.84000°,δ56.74000°,λ86.98000°. NP2:ϕ_s215.33000°,δ33.38000°,λ94.59000°. Principal axes: T Plg78.0300°,Azm289.4970°; N Plg2.5230°,Azm31.4950°; P Plg11.6930°,Azm122.0170° $M_0$1.29411×10^{21}
ISC V 23 12 52 05.1–1.1 24.42N–.02 121.93E–.02 15–9 215 0-3
JMA V 23 12 52 04.5–.19 24.3N–.70 121.8E–.60 62–2 2.3 **¶612489790**
TAP V 23 12 52 06.2 24.43N 121.92E 25–0 3.0L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP B.
ISC V 24 09 49 03.8–.75 23.42N–.01 120.51E–.01 17–4 3.5b 240 0-59
IDC V 24 09 48 59.3–1.5 23.63N 121.24E 0 3.6,3.6b **¶610685288**
JMA V 24 09 49 02.4–.18 23.3N–.70 120.6E–.80 0 4.1,3.6b
TAP V 24 09 49 03.8 23.42N 120.52E 13–0 4.2L,3.6b
BJI V 24 09 49 03.1–.00 23.43N 120.51E 11 4.1L,4.1s
ISC Event type ke.
IDC Error ellipse: s-maj=51.1km s-min=24.8km az=59.0.
JMA Event type ke. TAIWAN REGION .
TAP B.
ISC V 24 12 01 57.0–.82 23.41N–.01 120.53E–.01 18–2 228 0-4
JMA V 24 12 01 55.6–.29 23N–1.0 121E–2.0 0 **¶612489803**

TAP V 24 12 01 56.4 23.42N 120.52E 13–0 3.6L
ASIES V 24 12 01 56.4 23.42N 120.52E 13 3.6L,3.3W
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP B.
ASIES Moment Tensor Solution. Moment tensor: Scale 10^{21}Nm; M_{rr}0.09 $M_{\theta\theta}$0.18 $M_{\phi\phi}$-0.31 $M_{r\theta}$-0.15 $M_{\theta\phi}$0.51 $M_{\phi r}$-1.08 NP1:ϕ_s187.97000°,δ86.96000°,λ116.86000°. NP2:ϕ_s283.95000° ,δ27.01000°,λ6.71000°. Principal axes: T Plg41.8750°,Azm123.3660°; N Plg26.8100° ,Azm6.4270°; P Plg36.3320°,Azm254.6100° $M_0$1.23001×10^{21}
ISC V 24 13 05 59.4–.85 23.40N–.01 120.47E–.01 14–6 253 0-4
JMA V 24 13 05 57.9–.34 23N–1.0 120E–1.0 18 3.6 **¶614647547**
TAP V 24 13 05 59.7 23.42N 120.51E 13–0 3.8L
ASIES V 24 13 05 59.7 23.42N 120.51E 13 3.8L,3.5W
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP B.
ASIES Moment Tensor Solution. Moment tensor: Scale 10^{21}Nm; M_{rr}-0.80 $M_{\theta\theta}$0.59 $M_{\phi\phi}$0.21 $M_{r\theta}$-0.15 $M_{\theta\phi}$1.50 $M_{\phi r}$-1.84 NP1:ϕ_s12.01000°,δ78.31000°,λ-126.19000°. NP2:ϕ_s266.53000° ,δ37.78000°,λ-19.32000°. Principal axes: T Plg24.5540°,Azm129.3380°; N Plg35.3190° ,Azm20.4510°; P Plg44.6030°,Azm246.1200° $M_0$2.48367×10^{21}
ISC V 24 13 10 55.4–.50 23.408N–.01 120.50E–.01 18–1 4.5b,3.8s 499 0-100
IDC V 24 13 10 52.0–.63 23.41N 120.63E 0 4.0,4.0b **¶614647548**
NEIC V 24 13 10 54.5–1.3 23.38N–.06 120.50E–.04 13–4 4.7b,4.5
JMA V 24 13 10 54.0–.28 23.4N–.90 120E–1.0 26–4 4.9,4.5
BJI V 24 13 10 54.5–.00 23.44N 120.52E 12 4.8L,4.6b
NEIC V 24 13 10 54.9 23.36N 120.53E 16 4.8L,4.6b
ASIES V 24 13 10 54.4 23.42N 120.51E 12 5.1L,4.5W
TAP V 24 13 10 54.4 23.42N 120.51E 12–0 5.1L,4.5W
NIED V 24 13 10 54.0 23.37N 120.42E 26 4.7W,4.5W
ISC Event type ke.
IDC Error ellipse: s-maj=21.0km s-min=13.9km az=55.0.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=4.9km az=179.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-2.83 $M_{\theta\theta}$3.75 $M_{\phi\phi}$-0.92 $M_{r\theta}$0.37 $M_{\theta\phi}$5.15 $M_{\phi r}$-3.33 NP1:ϕ_s275.82000°,δ56.20000°,λ-23.69000°. NP2:ϕ_s19.54000°,δ70.50000° ,λ-143.83000°. Principal axes: T 7.3044,Plg9.0000°,Azm145.0000°; N -0.6292,Plg50.0000° ,Azm44.0000°; P -6.6752,Plg39.0000°,Azm242.0000° $M_0$7.01000×10^{15}
JMA Event type ke. TAIWAN REGION .
NEIC Event type se.
ASIES Moment Tensor Solution. Moment tensor: Scale 10^{22}Nm; M_{rr}-1.27 $M_{\theta\theta}$2.70 $M_{\phi\phi}$-1.44 $M_{r\theta}$-2.01 $M_{\theta\phi}$4.35 $M_{\phi r}$-5.70 NP1:ϕ_s18.64000°,δ84.24000°,λ-127.03000°. NP2:ϕ_s281.06000° ,δ37.41000°,λ-9.51000°. Principal axes: T Plg29.3860°,Azm137.8950°; N Plg36.8100° ,Azm22.9690°; P Plg39.2450°,Azm255.2830° $M_0$7.80398×10^{22}
TAP B.
NIED Moment Tensor Solution. s2 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.61 $M_{\theta\theta}$1.15 $M_{\phi\phi}$-0.54 $M_{r\theta}$-0.38 $M_{\theta\phi}$1.08 $M_{\phi r}$-0.29 NP1:ϕ_s20.00000°,δ88.00000°,λ-163.00000°. NP2:ϕ_s290.00000° ,δ73.00000°,λ-2.00000°. $M_0$1.43000×10^{16}
TAP V 24 14 53 34.9 23.42N 120.52E 13–0 1.6L
¶614647691
TAP A.
TAP V 24 15 04 22.5 23.41N 120.52E 12–0 1.4L
¶614647695
TAP A.
ISC V 25 05 17 27.8–.85 24.41N–.02 121.90E–.02 11–6 102 0-2
TAP V 25 05 17 28.6 24.45N 121.83E 9–0 2.9L **¶614647865**
JMA V 25 05 17 28.5–.30 24N–1.0 122E–2.0 43–4 2.9L
ISC Event type ke.
TAP D.
JMA Event type ke. TAIWAN REGION .
ISC V 25 05 48 12.7–.65 23.42N–.01 120.49E–.01 14–3 4.0b,3.4s 284 0-82
JMA V 25 05 48 11.4–.39 23N–1.0 120E–2.0 14–4 4.4,3.4s **¶610653577**
TAP V 25 05 48 12.0 23.42N 120.52E 12–0 4.7L,3.4s
NIED V 25 05 48 11.4 23.37N 120.47E 14 4.4W,3.4s
ASIES V 25 05 48 12.0 23.42N 120.52E 12 4.7L,4.2W
BJI V 25 05 48 12.1–.00 23.43N 120.48E 9 4.5L,4.4b
IDC V 25 05 48 12.1–.90 23.05N 120.84E 0 4.0,3.9b
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP B.
NIED Moment Tensor Solution. s2 Moment tensor: Scale 10^{15}Nm; M_{rr}-1.50 $M_{\theta\theta}$2.37 $M_{\phi\phi}$-0.87 $M_{r\theta}$-0.41 $M_{\theta\phi}$3.46 $M_{\phi r}$-0.32 NP1:ϕ_s192.00000°,δ88.00000°,λ175.00000°. NP2:ϕ_s283.00000° ,δ85.00000°,λ2.00000°. $M_0$3.85000×10^{15}
ASIES Moment Tensor Solution. Moment tensor: Scale 10^{22}Nm; M_{rr}0.72 $M_{\theta\theta}$0.62 $M_{\phi\phi}$-0.80 $M_{r\theta}$-0.48 $M_{\theta\phi}$1.53 $M_{\phi r}$-1.14 NP1:ϕ_s187.79000°,δ78.21000°,λ142.23000°. NP2:ϕ_s286.78000° ,δ53.16000°,λ14.79000°. Principal axes: T Plg34.6410°,Azm140.5800°; N Plg50.6960° ,Azm353.0140°; P Plg16.2310°,Azm242.1830° $M_0$2.15474×10^{22}
IDC Error ellipse: s-maj=30.9km s-min=17.0km az=65.0.
TAP V 27 07 01 27.1 23.14N 120.76E 13–1 1.5L
¶614648181
TAP D.
ISC V 27 23 09 20.9–1.2 24.56N–.02 121.76E–.02 70–4 216 0-4
TAP V 27 23 09 20.8 24.50N 121.77E 65–0 3.6L **¶614648282**
JMA V 27 23 09 20.6–.19 24.5N–.40 121.8E–.70 65–2 3.0
ISC Event type ke.
TAP B.
JMA Event type ke. TAIWAN REGION .
TAP V 28 10 11 31.8 23.76N 121.88E 31–0 1.8L
¶614648315
TAP D.
TAP V 29 09 24 52.7 24.14N 121.61E 3–0 0.8L
¶614648476
TAP C.
TAP V 30 18 25 42.1 24.43N 121.92E 20–0 2.5L
¶612489894
TAP B.
TAP V 31 00 23 35.5 24.82N 121.76E 13–0 2.0L
¶614648642
TAP A.
TAP V 31 06 51 13.5 24.41N 121.84E 11–0 2.4L
¶614648659
TAP A.
TAP V 31 21 23 57.0 22.93N 120.98E 10–1 1.3L
¶614648732
TAP B.
TAP V 31 21 23 57.7 23.01N 121.05E 7–1 1.2L
¶614648735
TAP B.
ISC V 31 23 47 41.5–.78 24.88N–.03 121.88E–.03 102–4 3.5b 208 0-60
IDC V 31 23 47 31.1–1.3 24.29N 120.99E 0 3.6,3.5b **¶610685826**
TAP V 31 23 47 41.6 24.88N 121.87E 97–0 4.1L,3.5b
JMA V 31 23 47 41.5–.13 25N–2.0 122E–1.0 99–1 3.2,3.5b
ISC Event type ke.
TAP B.
JMA Event type ke. TAIWAN REGION .
ISC VI 01 19 32 41.6–.87 23.25N–.02 121.52E–.02 28–4 183 0-3
TAP VI 01 19 32 42.1 23.27N 121.42E 27–0 3.2L **¶614648822**
JMA VI 01 19 32 44.9–.32 23N–1.0 122E–1.0 18 2.4
ISC Event type ke.
TAP C.
JMA Event type ke. TAIWAN REGION .
ISC VI 03 00 42 33.5–.84 23.51N–.01 121.44E–.02 27 212 0-3
TAP VI 03 00 42 33.9 23.50N 121.42E 39–0 3.8L **¶612489927**
JMA VI 03 00 42 34.1–.19 23.5N–.60 121E–1.0 18–2 3.9
ISC Event type ke.
TAP B.
JMA Event type ke. TAIWAN REGION .
TAP VI 05 03 25 48.6 24.54N 121.83E 10–1 1.6L
¶614649105
TAP D.
TAP VI 05 22 08 08.7 23.10N 121.34E 23–0 1.6L
¶614649148
TAP A.
TAP VI 05 22 08 16.9 23.48N 120.61E 12–0 0.8L
¶614649151
TAP B.
TAP VI 07 00 43 53.0 24.09N 120.14E 22–0 2.8L
¶614649272
TAP B.
TAP VI 07 08 04 48.9 24.31N 121.82E 20–0 2.1L
¶614649321
TAP B.
TAP VI 07 14 23 39.1 24.83N 121.80E 11–1 1.2L
¶614649343
TAP B.
TAP VI 07 15 14 28.7 24.39N 121.79E 9–0 2.1L
¶614649352
TAP A.
ISC VI 10 16 46 21.8–.83 24.62N–.02 121.63E–.02 59–4 250 0-41
JMA VI 10 16 46 19.5–.13 24.6N–.20 121.6E–.60 64–1 3.5 **¶610669797**
TAP VI 10 16 46 20.6 24.62N 121.63E 58–0 4.1L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP B.
TAP VI 10 17 46 23.8 24.43N 121.76E 7–0 0.9L
¶614649704
TAP B.
TAP VI 11 22 42 27.4 23.76N 121.40E 20–0 2.5L
¶612490012
TAP B.
ISC VI 12 16 58 06.4–1.5 24.94N–.04 121.96E–.03 110–7 167 0-2
TAP VI 12 16 58 06.8 24.93N 121.96E 107–0 3.3L **¶614649898**
JMA VI 12 16 58 06.7–.16 24.9N–.50 121.9E–.40 106–1 2.1
ISC Event type ke.
TAP B.
JMA Event type ke. TAIWAN REGION .
ISC VI 15 21 29 19.2–.64 22.59N–.02 120.33E–.02 34–1 3.8b,3.3s 309 0-83
IDC VI 15 21 29 14.0–.80 22.53N 120.40E 0 3.9,3.8b **¶610675474**
NEIC VI 15 21 29 16.6 22.62N 120.36E 10 3.9,3.8b
JMA VI 15 21 29 17.9–.77 23N–2.0 121E–3.0 0 4.5,3.8b
BJI VI 15 21 29 18.9–.00 22.62N 120.38E 36 4.5b,4.1b
ASIES VI 15 21 29 18.7 22.64N 120.41E 33 4.3L,4.1W
TAP VI 15 21 29 18.7 22.64N 120.41E 33–0 4.3L,4.1W
NEIC VI 15 21 29 18.4–1.9 22.64N–.06 120.35E–.05 23–6 4.4b,3.9
ISC Event type ke.
NEIC Event type se.
JMA Event type ke. TAIWAN REGION .
ASIES Moment Tensor Solution. Moment tensor: Scale 10^{22}Nm; M_{rr}-0.94 $M_{\theta\theta}$-0.10 $M_{\phi\phi}$1.04 $M_{r\theta}$0.50 $M_{\theta\phi}$0.50 $M_{\phi r}$-1.35 NP1:ϕ_s350.25000°,δ73.67000°,λ-113.00000°. NP2:ϕ_s226.73000° ,δ27.95000°,λ-36.86000°. Principal axes: T Plg25.2030°,Azm98.0270°; N Plg22.0250° ,Azm357.0520°; P Plg55.4300°,Azm231.1030° $M_0$1.81389×10^{22}
TAP B.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}-6.89 $M_{\theta\theta}$2.80 $M_{\phi\phi}$4.09 $M_{r\theta}$0.89 $M_{\theta\phi}$5.00 $M_{\phi r}$-4.44 NP1:ϕ_s17.59000°,δ59.95000°,λ-118.55000°. NP2:ϕ_s244.97000°,δ40.50000° ,λ-50.44000°. Principal axes: T 9.0008,Plg11.0000°,Azm128.0000°; N 0.0552,Plg24.0000° ,Azm33.0000°; P -9.0561,Plg63.0000°,Azm239.0000° $M_0$9.03000×10^{14}
ISC VI 17 06 20 11.8–.79 24.06N–.01 121.71E–.02 9–5 3.4b,3.0s 222 0-79
NIED VI 17 06 20 09.8 23.98N 121.61E 0 4.0W,3.0s **¶610764487**
JMA VI 17 06 20 09.8–.11 24.0N–.30 121.6E–.60 0 3.6,3.0s
IDC VI 17 06 20 10.7–1.3 23.77N 121.10E 0 3.7L,3.6
TAP VI 17 06 20 12.3 24.10N 121.67E 10–0 4.1L,3.6
ASIES VI 17 06 20 12.3 24.10N 121.67E 10 4.1L,3.9W
ISC Event type ke.
NIED Moment Tensor Solution. s2 Moment tensor: Scale 10^{15}Nm; M_{rr}1.29 $M_{\theta\theta}$-0.65 $M_{\phi\phi}$-0.65 $M_{r\theta}$0.13 $M_{\theta\phi}$-0.42 $M_{\phi r}$0.44 NP1:ϕ_s36.00000°,δ55.00000°,λ81.00000°. NP2:ϕ_s232.00000° ,δ36.00000°,λ102.00000°. $M_0$1.26000×10^{15}
JMA Event type ke. TAIWAN REGION .
IDC Error ellipse: s-maj=73.7km s-min=21.7km az=68.0.
TAP C.
ASIES Moment Tensor Solution. Moment tensor: Scale 10^{21}Nm; M_{rr}3.55 $M_{\theta\theta}$-3.16 $M_{\phi\phi}$-3.34 $M_{r\theta}$2.98 $M_{\theta\phi}$-2.78 $M_{\phi r}$4.91 NP1:ϕ_s33.96000°,δ70.35000°,λ82.33000°. NP2:ϕ_s235.78000°,δ21.03000° ,λ110.49000°. Principal axes: T Plg63.8580°,Azm291.6010°; N Plg7.2160°,Azm36.5510° ; P Plg24.9810°,Azm129.9330° $M_0$7.59210×10^{21}
ISC VI 19 17 32 44.7–.86 23.57N–.02 121.67E–.02 27 187 0-4
JMA VI 19 17 32 44.5–.19 23.6N–.70 122E–1.0 21–2 3.3 **¶614650488**
TAP VI 19 17 32 45.1 23.59N 121.59E 35–0 3.6L
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP B.
ISC VI 21 07 06 48.8–1.2 24.28N–.02 121.78E–.02 46–5 172 0-4
JMA VI 21 07 06 46.6–.20 24.2N–.80 121.7E–.80 60–1 3.1 **¶614650608**
TAP VI 21 07 06 48.4 24.28N 121.76E 46–0 3.6L
ASIES VI 21 07 06 48.4 24.28N 121.76E 46 3.6L,3.2W
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
TAP A.
ASIES Moment Tensor Solution. Moment tensor: Scale 10^{20}Nm; M_{rr}4.87 $M_{\theta\theta}$-0.76 $M_{\phi\phi}$-4.11 $M_{r\theta}$-2.14 $M_{\theta\phi}$-1.37 $M_{\phi r}$-6.78 NP1:ϕ_s197.92000°,δ73.16000°,λ89.09000°. NP2:ϕ_s21.07000° ,δ16.86000°,λ93.02000°. Principal axes: T Plg61.8250°,Azm106.5450°; N Plg0.8760° ,Azm198.1800°; P Plg28.1590°,Azm288.6480° $M_0$8.54588×10^{20}
ISC VI 21 07 25 39.6–.51 24.64N–.02 121.95E–.02 67–3 4.1b 318 0-78
BJI VI 21 07 25 37.1–.00 24.68N 121.85E 21 4.4b,4.4b **¶610690708**
JMA VI 21 07 25 38.8–.17 24.6N–.40 121.9E–.50 67–2 4.4,4.3
NIED VI 21 07 25 38.8 24.64N 121.92E 67 4.4W,4.3
TAP VI 21 07 25 39.0 24.66N 121.92E 63–0 5.1L,4.3
NEIC VI 21 07 25 39.4–1.6 24.65N–.03 121.92E–.04 63–6 4.2b,4.3
IDC VI 21 07 25 39.9–3.3 24.60N 122.03E 75–33 4.1,3.7b
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-1.42 $M_{\theta\theta}$4.13 $M_{\phi\phi}$-2.71 $M_{r\theta}$-0.27 $M_{\theta\phi}$-1.62 $M_{\phi r}$-1.22 NP1:ϕ_s324.00000°,δ71.00000°,λ-21.00000°. NP2:ϕ_s61.00000° ,δ70.00000°,λ-159.00000°. $M_0$4.12000×10^{15}
TAP B.
NEIC Event type se. Error ellipse: s-maj=5.2km s-min=4.8km az=56.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=22.3km s-min=13.3km az=63.0.
TAP VI 21 18 17 22.5 24.50N 121.84E 10–0 1.3L
¶614650660
TAP B.
ISC VI 21 23 36 04.8–.64 23.20N–.02 120.03E–.02 17–3 231 0-20
TAP VI 21 23 36 04.1 23.19N 120.06E 15–0 4.1L **¶610693599**
ASIES VI 21 23 36 04.1 23.19N 120.06E 15 4.1L,3.7W
ISC Event type ke.
TAP B.
ASIES Moment Tensor Solution. Moment tensor: Scale 10^{21}Nm; M_{rr}0.26 $M_{\theta\theta}$4.78 $M_{\phi\phi}$-3.56 $M_{r\theta}$0.41 $M_{\theta\phi}$1.15 $M_{\phi r}$-0.71 NP1:ϕ_s306.84000°,δ85.32000°,λ-10.14000°. NP2:ϕ_s37.68000°,δ79.90000° ,λ-175.25000°. Principal axes: T Plg3.8050°,Azm352.6090°; N Plg78.8490°,Azm102.3270° ; P Plg10.4660°,Azm261.9060° $M_0$4.45087×10^{21}
TAP VI 22 02 48 07.1 23.25N 120.44E 10–0 0.7L
¶614650691
TAP D.
ISC VI 24 06 49 50.0–.79 23.75N–.02 121.62E–.02 24–4 3.6b 237 0-49
JMA VI 24 06 49 48.9–.12 23.7N–.40 122E–1.0 6–2 3.5 **¶610789378**
IDC VI 24 06 49 50.3–1.6 23.38N 122.07E 0 3.5,3.4b
TAP VI 24 06 49 50.6 23.80N 121.55E 20–0 3.9L,3.4b
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
IDC Error ellipse: s-maj=78.5km s-min=27.7km az=69.0.
TAP B.

TAP VI 24 20 38 22.4 24.65N 121.19E 6–0 2.0L ¶614650947
TAP B.
ISC VI 26 12 42 29.3–.74 24.28N–.01 121.81E–.02 13–4 3.4b 219 0-74
IDC VI 26 12 42 27.2–1.1 24.16N 121.77E 0 3.5,3.5b **¶610695197**
JMA VI 26 12 42 29.1–.15 24.3N–.70 122E–1.0 18–2 3.5,3.5b
ASIES VI 26 12 42 29.2 24.30N 121.82E 13 3.9L,3.7W
TAP VI 26 12 42 29.2 24.30N 121.82E 13–0 3.9L,3.7W
ISC Event type ke.
IDC Error ellipse: s-maj=33.2km s-min=21.1km az=69.0.
JMA Event type ke. TAIWAN REGION .
ASIES Moment Tensor Solution. Moment tensor: Scale 10^{21}Nm; M_{rr}2.18 $M_{\theta\theta}$-2.43 $M_{\phi\phi}$0.26 $M_{r\theta}$2.78 $M_{\theta\phi}$0.23 $M_{\phi r}$1.57 NP1:ϕ_s68.68000°,δ73.38000°,λ72.90000°. NP2:ϕ_s295.76000°,δ23.67000° ,λ134.56000°. Principal axes: T Plg58.2000°,Azm315.4510°; N Plg16.3610°,Azm73.7120° ; P Plg26.4460°,Azm172.1090° $M_0$3.95434×10^{21}
TAP B.
ISC VI 28 19 32 34.0–.74 22.65N–.02 120.68E–.02 29–4 3.6b 293 0-48
IDC VI 28 19 32 29.2–1.1 22.51N 120.63E 0 3.5,3.4b **¶610789663**
JMA VI 28 19 32 33.9–.07 22.6N–.90 121E–1.0 37–1 4.1,3.4b
TAP VI 28 19 32 33.5 22.70N 120.68E 27–0 4.0L,3.4b
ISC Event type ke.
IDC Error ellipse: s-maj=33.8km s-min=22.2km az=66.0.
JMA Event type ke. TAIWAN REGION .
TAP B.
ISC VI 30 17 17 35.5–.89 24.34N–.02 121.94E–.02 29–4 210 0-4
JMA VI 30 17 17 34.2–.13 24.2N–.70 121.9E–.70 43–1 3.0 **¶612490178**
ASIES VI 30 17 17 34.6 24.33N 121.92E 32 3.9L,3.6W
TAP VI 30 17 17 34.6 24.33N 121.92E 32–0 3.9L,3.6W
ISC Event type ke.
JMA Event type ke. TAIWAN REGION .
ASIES Moment Tensor Solution. Moment tensor: Scale 10^{21}Nm; M_{rr}0.91 $M_{\theta\theta}$-0.64 $M_{\phi\phi}$-0.27 $M_{r\theta}$0.41 $M_{\theta\phi}$-0.58 $M_{\phi r}$2.51 NP1:ϕ_s14.08000°,δ81.78000°,λ76.72000°. NP2:ϕ_s252.87000°,δ15.58000° ,λ147.83000°. Principal axes: T Plg51.4660°,Azm268.9680°; N Plg13.1410°,Azm16.0140° ; P Plg35.4510°,Azm115.5830° $M_0$2.73398×10^{21}
TAP B.

(245) Northeast of Taiwan.

ISC I 14 03 37 01.8–.89 26.80N–.10 125.46E–.08 186–10 3.4b 41 1-79
IDC I 14 03 37 02.3–2.1 26.83N 125.59E 188–23 3.8,3.3b **¶610237328**
JMA I 14 03 37 02.5–.32 27N–2.0 125E–2.0 189 3.5,3.3b
ISC Event type ke.
JMA Event type ke. NW OFF OKINAWAJIMA IS .
ISC II 03 18 49 39.0–1.1 25.9N–.10 124.05E–.07 193–10 2.8b 41 1-50
IDC II 03 18 49 19.5–6.6 25.66N 123.95E 0 3.1,3.1b **¶610414757**
JMA II 03 18 49 41.5–.28 26N–2.0 124E–1.0 180 3.5,3.1b
ISC Event type ke.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC II 23 22 38 45.2–.84 25.05N–.08 123.03E–.05 150–7 3.5b 43 1-59
JMA II 23 22 38 46.8–.26 25N–2.0 123.0E–.70 143–3 4.1 **¶610384903**
IDC II 23 22 38 49.1–7.3 25.30N 123.50E 196–87 3.8s,3.8
ISC Event type ke.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
IDC Error ellipse: s-maj=86.6km s-min=12.4km az=60.0.
ISC II 23 22 55 52.3–2.0 25.0N–.10 123.43E–.05 144–15 29 1-3
JMA II 23 22 55 52.6–.28 25N–3.0 123.4E–.80 138–3 3.5 **¶612488877**
ISC Event type ke.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC III 08 17 44 18.4–1.2 26.5N–.10 124.7E–.20 100 3.1b 6 11-51
IDC III 08 17 44 20.1–7.3 26.56N 124.71E 118–81 3.3,3.1L **¶610545825**
ISC Event type ke.
IDC Error ellipse: s-maj=50.3km s-min=21.8km az=58.0.
JMA III 17 19 49 44.8–.21 25N–2.0 123.5E–.50 95–3
¶616602519
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC III 26 22 03 05.5–1.1 25.2N–.10 124.27E–.06 119–10 3.2b 25 1-56
IDC III 26 22 02 52.3–3.8 25.12N 123.98E 0 3.6s,3.4 **¶610543751**
JMA III 26 22 03 06.7–.21 25N–2.0 124.3E–1.0 114–3 2.8,3.4
ISC Event type ke.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
JMA IV 22 04 37 42.6–.29 25N–3.0 123.1E–.80 146–3 2.2
¶617153886
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC V 05 06 39 58.3–1.0 26.07N–.09 124.51E–.06 195–10 43 1-50
JMA V 05 06 39 58.2–.29 26N–2.0 124E–2.0 183 3.6 **¶610689589**
IDC V 05 06 40 00.4–7.4 25.93N 124.88E 195–88 3.8,3.2b
ISC Event type ke.
JMA Event type ke. NW OFF MIYAKOJIMA ISLAND.
IDC Error ellipse: s-maj=106.9km s-min=33.0km az=66.0.
ISC V 06 18 02 42.4–.60 25.81N–.08 124.55E–.04 179–8 4.0b 112 1-80
BJI V 06 18 02 40.2–.00 25.58N 124.72E 188 4.5b,4.3b **¶610617728**
NEIC V 06 18 02 41.8–2.6 25.6N–.10 124.70E–.08 181–12 4.2b,4.3b
JMA V 06 18 02 42.6–.28 26N–2.0 124E–1.0 163 4.3,4.3b
NIED V 06 18 02 42.6 25.95N 124.43E 163 4.0W,4.3b
IDC V 06 18 02 43.6–2.6 25.99N 124.50E 178–20 4.3,3.8b
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=18.4km s-min=7.9km az=151.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. NW OFF MIYAKOJIMA ISLAND.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.63 $M_{\theta\theta}$-0.45 $M_{\phi\phi}$1.08 $M_{r\theta}$0.06 $M_{\theta\phi}$-1.03 $M_{\phi r}$-0.23 NP1:ϕ_s18.00000°,δ88.00000°,λ-10.00000°. NP2:ϕ_s108.00000° ,δ80.00000°,λ-178.00000° $M_0$1.30000×10^{15}
IDC Error ellipse: s-maj=31.3km s-min=15.1km az=175.0.
ISC V 12 19 30 26.8–.94 26.02N–.10 125.32E–.08 127–10 3.3b 43 1-80
JMA V 12 19 30 26.9–.18 26N–1.0 125E–1.0 124 3.5 **¶610690145**
IDC V 12 19 30 29.2–3.5 26.02N 125.64E 147–33 3.6,3.4s
ISC Event type ke.
JMA Event type ke. NW OFF MIYAKOJIMA ISLAND.
IDC Error ellipse: s-maj=43.0km s-min=19.5km az=79.0.
ISC V 13 01 30 00.4–.74 27.20N–.08 125.77E–.06 217–8 3.5b 54 1-79
IDC V 13 01 30 01.8–1.8 27.29N 125.83E 229–21 3.8,3.2b **¶610690160**
JMA V 13 01 30 01.1–.37 27N–2.0 126E–2.0 208 4.1,3.2b
ISC Event type ke.
JMA Event type ke. EAST CHINA SEA REGION .
JMA VI 07 08 04 03.6–.23 25N–2.0 123.4E–.70 162–3 2.7
¶617481124
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC VI 10 22 13 33.5–.38 25.77N–.03 124.88E–.03 134–3 4.6b 603 1-165
BJI VI 10 22 13 32.0–.00 25.80N 124.90E 100 4.6b,4.5b **¶610669502**
MOS VI 10 22 13 32.8–.89 25.80N 124.81E 139 4.6b,4.5b
NEIC VI 10 22 13 33.6–1.3 25.76N–.07 124.92E–.05 127–5 4.7b,4.5b
IDC VI 10 22 13 34.7–1.2 25.81N 124.86E 141–10 4.5,4.0b
JMA VI 10 22 13 34.1–.20 26N–1.0 124.8E–1.0 129 4.5,4.5
NIED VI 10 22 13 34.1 25.79N 124.80E 129 4.4W,4.5
ISC Event type ke.
MOS Error ellipse: s-maj=7.4km s-min=5.2km az=108.4.
NEIC Event type se. Error ellipse: s-maj=9.7km s-min=6.4km az=169.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=11.1km s-min=9.9km az=57.0.
JMA Event type ke. NW OFF MIYAKOJIMA ISLAND.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.33 $M_{\theta\theta}$-1.47 $M_{\phi\phi}$1.80 $M_{r\theta}$0.84 $M_{\theta\phi}$-2.64 $M_{\phi r}$-3.81 NP1:ϕ_s7.00000°,δ88.00000°,λ-52.00000°. NP2:ϕ_s99.00000° ,δ38.00000°,λ-178.00000° $M_0$4.73000×10^{15}
ISC VI 12 14 13 39.6–.88 25.76N–.09 123.70E–.07 210–9 3.1b 44 1-50
JMA VI 12 14 13 41.0–.25 26N–2.0 124E–1.0 187 3.8 **¶610791732**
IDC VI 12 14 13 44.9–18 25.82N 123.76E 268–234 3.5,3.5L
ISC Event type ke.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
IDC Error ellipse: s-maj=204.3km s-min=21.0km az=60.0.

(246) Southwestern Ryukyu Islands.

ISC I 01 07 22 01.3–1.7 24.9N–.10 124.03E–.05 111–14 32 0-4
JMA I 01 07 22 02.0–.14 25N–1.0 124.0E–.50 102–1 3.5 **¶612488228**
ISC Event type ke.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
JMA I 02 13 28 21.0–.23 24.6N–.30 123.7E–.20 2–2 0.9
¶616063573
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
JMA I 05 11 01 07.6–.13 24.4N–.70 123.9E–.30 38–1 0.8
¶616063596
JMA Event type ke. NEAR ISHIGAKIJIMA ISLAND.
GCMT I 08 03 34 09.0–.30 23.43N–.02 123.67E–.03 27–1 4.9W
¶610638422
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. Moment Tensor Solution. s30,c38; s70,c108;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.44±.16 $M_{\theta\theta}$-1.28±.10; $M_{\phi\phi}$-0.16±.10; $M_{r\theta}$1.96±.21; $M_{\theta\phi}$-1.70±.08; $M_{\phi r}$1.10±.22; Best double couple: NP1:ϕ_s62.00000°,δ70.00000° ,λ99.00000°. NP2:ϕ_s219.00000°,δ22.00000°,λ68.00000°. Principal axes: T 2.4850,Plg64.0000°,Azm346.0000°; N 1.0300,Plg8.0000°,Azm239.0000° ; P -3.5190,Plg24.0000°,Azm146.0000° $M_0$3.00200×10^{16}
JMA I 09 20 25 14.3–.13 24.5N–.70 123.6E–.30 53–1 1.9
¶616063597
JMA Event type ke. NEAR ISHIGAKIJIMA ISLAND.
JMA I 10 11 36 25.7–.13 24.1N–.80 123.3E–.30 32–1 1.2
¶616063599
JMA Event type ke. NEAR ISHIGAKIJIMA ISLAND.
ISC I 11 21 46 09.2–1.5 24.27N–.07 125.24E–.05 27–9 3.9b 66 0-85
NEIC I 11 21 46 05.4–2.7 23.95N–.04 125.42E–.07 10–1 4.4b **¶610237204**
IDC I 11 21 46 05.3–1.1 24.26N 125.04E 0 3.8,3.8b
JMA I 11 21 46 10.9–.16 24N–1.0 125.2E–.50 40–3 3.7,3.8b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. NEAR MIYAKOJIMA ISLAND .
JMA I 19 09 24 04.1–.17 24.9N–.80 123.4E–.30 23 1.5
¶616063591
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC I 20 10 35 07.2–1.1 23.92N–.08 125.78E–.08 35 3.4b 21 1-82
IDC I 20 10 35 01.6–1.2 24.04N 126.23E 0 3.5,3.5b **¶610234930**
JMA I 20 10 35 07.5–.25 23.9N–.80 125.7E–.90 41 3.4,3.5b
ISC Event type ke.
JMA Event type ke. NEAR MIYAKOJIMA ISLAND .
ISC I 20 15 16 06.8–.68 24.85N–.08 125.39E–.05 48–5 4.0b 77 0-85
NEIC I 20 15 16 05.7–2.0 24.93N–.07 125.38E–.06 33–4 4.3b **¶610207627**
JMA I 20 15 16 06.9–.11 24.8N–.50 125.4E–.40 50–0 3.9
NIED I 20 15 16 06.9 24.83N 125.38E 50 4.1W
IDC I 20 15 16 08.1–2.9 24.90N 125.38E 54–27 3.9,3.6b
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=7.4km az=190.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. NEAR MIYAKOJIMA ISLAND .
NIED Moment Tensor Solution. s2 Moment tensor: Scale 10^{15}Nm; M_{rr}1.16 $M_{\theta\theta}$-0.67 $M_{\phi\phi}$-0.50 $M_{r\theta}$0.30 $M_{\theta\phi}$-0.81 $M_{\phi r}$0.47 NP1:ϕ_s41.00000°,δ57.00000°,λ81.00000°. NP2:ϕ_s237.00000° ,δ34.00000°,λ103.00000°. $M_0$1.40000×10^{15}
IDC Error ellipse: s-maj=18.6km s-min=17.1km az=161.0.
ISC I 24 07 23 01.5–2.0 24.10N–.09 125.43E–.07 27–13 3.7b 25 1-48
IDC I 24 07 23 04.2–1.2 24.98N 125.16E 0 3.6,3.6b **¶610235248**
JMA I 24 07 23 05.2–.17 24N–1.0 125.3E–.60 42–4 3.3,3.6b
ISC Event type ke.
JMA Event type ke. NEAR MIYAKOJIMA ISLAND .
ISC I 27 22 48 01.5–1.7 24.22N–.09 125.20E–.06 28–11 3.5b 30 1-73
IDC I 27 22 47 57.3–2.4 24.36N 125.24E 0 3.5,3.5b **¶610235516**
JMA I 27 22 48 01.7–.22 24.3N–.90 125.2E–.70 37 3.5,3.5b
ISC Event type ke.
JMA Event type ke. NEAR MIYAKOJIMA ISLAND .
ISC I 28 04 52 26.5–2.6 24.2N–.10 125.3E–.10 40–59 23 1-4
JMA I 28 04 52 27.6–.19 24N–1.0 125.3E–.70 42–4 3.2 **¶612488542**
ISC Event type ke.
JMA Event type ke. NEAR MIYAKOJIMA ISLAND .
JMA II 04 02 05 37.4–.33 25N–2.0 123.8E–.90 68 1.6
¶616228544
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC II 14 12 53 31.2–1.2 23.30N–.09 125.09E–.08 35 3.4b 18 1-47
IDC II 14 12 53 31.6–6.0 22.06N 122.94E 0 3.4,3.4b **¶610415503**
JMA II 14 12 53 31.8–.24 23N–1.0 125.1E–.50 62 2.8,3.4b
ISC Event type ke.
JMA Event type ke. NEAR ISHIGAKIJIMA ISLAND.
ISC II 14 16 26 20.0–1.0 23.19N–.04 125.11E–.04 16–6 4.8b,3.9s 357 1-146
BJI II 14 16 26 14.6–.00 23.06N 125.35E 5 4.7b,4.4b **¶611831807**
MOS II 14 16 26 17.9–.83 23.21N 125.07E 13 4.9b,4.0s
IDC II 14 16 26 17.2–.50 23.21N 125.08E 0 4.5,4.4b
NEIC II 14 16 26 19.7–1.5 23.21N–.08 125.09E–.09 10–1 5.1b,4.4b
GCMT II 14 16 26 20.7–.30 23.12N–.02 124.98E–.04 18–1 4.8W,4.4b
JMA II 14 16 26 21.1–.29 23N–1.0 125.1E–.80 49 4.8W,4.6
NIED II 14 16 26 21.1 23.27N 125.06E 49 4.8W,4.6
ISC Event type ke.
MOS Error ellipse: s-maj=8.7km s-min=5.4km az=100.4.
IDC Error ellipse: s-maj=16.1km s-min=11.7km az=89.0.
NEIC Event type se. Error ellipse: s-maj=14.0km s-min=13.2km az=155.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s19,c20; s74,c117;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.78±.15 $M_{\theta\theta}$1.94±.09; $M_{\phi\phi}$-0.15±.09; $M_{r\theta}$0.32±.15; $M_{\theta\phi}$-0.19±.05; $M_{\phi r}$-0.49±.28; Best double couple: NP1:ϕ_s289.00000°,δ52.00000°,λ-72.00000°. NP2:ϕ_s81.00000°,δ41.00000°,λ-112.00000°. Principal axes: T 1.9930,Plg6.0000° ,Azm6.0000°; N -0.0550,Plg15.0000°,Azm98.0000°; P -1.9360,Plg74.0000°,Azm256.0000° $M_0$1.96500×10^{16}
JMA Event type ke. NEAR ISHIGAKIJIMA ISLAND.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.13 $M_{\theta\theta}$1.06 $M_{\phi\phi}$0.06 $M_{r\theta}$0.91 $M_{\theta\phi}$-0.19 $M_{\phi r}$-0.46 NP1:ϕ_s291.00000°,δ66.00000°,λ-82.00000°. NP2:ϕ_s91.00000° ,δ25.00000°,λ-108.00000°. $M_0$1.51000×10^{16}
ISC II 17 01 18 05.6–.60 24.87N–.07 125.34E–.05 46–4 4.5b,3.5s 152 0-113
IDC II 17 01 17 59.0–.73 24.90N 125.42E 0 4.2,4.2b **¶610223764**
BJI II 17 01 18 02.9–.00 24.94N 125.20E 23 4.5b,4.2b
NEIC II 17 01 18 05.0–1.4 25.12N–.10 125.13E–.08 19–5 4.7b,4.2b
NIED II 17 01 18 05.4 24.82N 125.38E 50 4.5W,4.2b
JMA II 17 01 18 05.4–.11 24.8N–.50 125.4E–.50 50–0 4.4,4.4
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}4.55 $M_{\theta\theta}$-3.95 $M_{\phi\phi}$-0.60 $M_{r\theta}$0.67 $M_{\theta\phi}$-2.60 $M_{\phi r}$2.17 NP1:ϕ_s43.00000°,δ57.00000°,λ68.00000°. NP2:ϕ_s260.00000° ,δ39.00000°,λ120.00000°. $M_0$5.49000×10^{15}
JMA Event type fe. NEAR MIYAKOJIMA ISLAND .
JMA II 18 07 41 24.6–.41 23N–2.0 123E–1.0 57
¶616228557
JMA Event type ke. NEAR ISHIGAKIJIMA ISLAND.
ISC II 19 14 50 45.4–4.0 23.05N–.05 124.95E–.05 15–26 4.4b,3.3s 152 1-95
IDC II 19 14 50 43.0–.64 22.99N 124.92E 0 4.1,4.0b **¶610243819**
NEIC II 19 14 50 45.5–1.5 22.99N–.10 124.9E–.10 10–1 4.5b,4.0b
NIED II 19 14 50 47.0 23.10N 124.92E 52 4.3W,4.0b
JMA II 19 14 50 47.0–.26 23N–1.0 124.9E–.70 52 4.3,4.3
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-2.12 $M_{\theta\theta}$2.27 $M_{\phi\phi}$-0.15 $M_{r\theta}$1.26 $M_{\theta\phi}$0.16 $M_{\phi r}$-1.03 NP1:ϕ_s289.00000°,δ63.00000°,λ-68.00000°. NP2:ϕ_s67.00000° ,δ34.00000°,λ-127.00000°. $M_0$2.73000×10^{15}

JMA Event type ke. NEAR ISHIGAKIJIMA ISLAND.
GCMT II 20 03 11 36.0–.40 23.52N–.03 123.64E–.03 22–1 4.9W ¶610671168
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. Moment Tensor Solution. s17,c20; s73,c100;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.65±.21 $M_{\theta\theta}$-1.44±.12; $M_{\phi\phi}$-0.21±.12; $M_{r\theta}$0.66±.17; $M_{\theta\phi}$-1.30±.09; $M_{\phi r}$1.81±.24; Best double couple: NP1:ϕ_s31.00000°,δ69.00000°,λ65.00000°. NP2:ϕ_s265.00000°,δ32.00000°,λ139.00000°. Principal axes: T 2.7580,Plg58.0000°,Azm267.0000°; N 0.0720,Plg24.0000°,Azm41.0000°; P -2.8320,Plg20.0000°,Azm140.0000° $M_0$2.79500×10^{16}
JMA II 20 07 40 35.7–.11 24.7N–1.0 123.2E–.30 76–1 1.9 ¶616228561
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
JMA II 27 20 57 43.3–.13 24.3N–.70 123.6E–.40 16–1 1.8 ¶616228569
JMA Event type ke. NEAR ISHIGAKIJIMA ISLAND.
JMA III 01 13 37 44.4–.22 24.5N–.30 124.0E–.20 1–2 0.4 ¶616229263
JMA Event type ke. NEAR ISHIGAKIJIMA ISLAND.
JMA III 01 23 07 16.0–.10 24.3N–.60 123.4E–.30 20–2 2.1 ¶616602520
JMA Event type ke. NEAR ISHIGAKIJIMA ISLAND.
JMA III 04 13 14 32.5–.28 24.1N–.80 123.8E–.70 25–1 0.7 ¶616602524
JMA Event type ke. NEAR ISHIGAKIJIMA ISLAND.
ISC III 13 11 34 03.2–2.8 23.17N–.10 125.77E–.10 24–21 3.1b 23 2-47
IDC III 13 11 34 00.3–1.5 23.21N 126.05E 0 3.2,3.2b ¶610546135
JMA III 13 11 34 06.0–.32 23N–1.0 126E–1.0 87 2.6,3.2b
ISC Event type ke.
JMA Event type ke. FAR S OFF OKINAWAJIMA .
JMA III 19 07 50 41.1–.24 24N–1.0 123.4E–.60 49–2 0.8 ¶616602523
JMA Event type ke. NEAR ISHIGAKIJIMA ISLAND.
ISC III 20 21 17 41.1–1.5 23.68N–.04 124.95E–.04 13–9 4.2b 80 1-82
IDC III 20 21 17 40.0–.93 23.80N 124.97E 0 3.8,3.8b ¶610470997
NEIC III 20 21 17 39.1–1.6 23.5N–.10 125.08E–.08 7–7 4.3b,3.8b
NIED III 20 21 17 44.5 23.81N 124.93E 58 4.0W,3.8b
JMA III 20 21 17 44.5–.16 23.8N–.70 124.9E–.40 58 3.7,3.8b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s2 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.01 $M_{\theta\theta}$0.39 $M_{\phi\phi}$-0.38 $M_{r\theta}$0.38 $M_{\theta\phi}$0.86 $M_{\phi r}$-0.08 NP1:ϕ_s282.00000°,δ90.00000°,λ-22.00000°. NP2:ϕ_s12.00000°,δ68.00000°,λ-180.00000°. $M_0$1.02000×10^{15}
JMA Event type ke. NEAR ISHIGAKIJIMA ISLAND.
JMA III 23 13 26 29.7–.27 24.1N–.60 123.5E–.90 23–1 1.3 ¶616602516
JMA Event type ke. NEAR ISHIGAKIJIMA ISLAND.
JMA III 24 15 09 26.1–.29 24.1N–.70 124E–1.0 22–2 0.6 ¶616602527
JMA Event type ke. NEAR ISHIGAKIJIMA ISLAND.
ISC III 25 12 53 23.4–1.2 23.13N–.09 125.15E–.05 50 3.2b 29 2-44
IDC III 25 12 53 17.6–1.4 22.98N 125.11E 0 3.5,3.4b ¶610543641
JMA III 25 12 53 22.0–.31 23N–1.0 125.1E–.80 56 3.4,3.4b
ISC Event type ke.
JMA Event type ke. FAR S OFF ISHIGAKIJIMA .
JMA III 26 21 50 06.4–.10 24.2N–.40 123.6E–.30 15–1 1.6 ¶616602530
JMA Event type ke. NEAR ISHIGAKIJIMA ISLAND.
ISC III 27 22 53 03.4–1.4 24.06N–.08 123.25E–.03 18–6 21 0-3
JMA III 27 22 53 05.9–.14 24.1N–.70 123.3E–.40 32–1 3.2 ¶612489271
ISC Event type ke.
JMA Event type ke. NEAR ISHIGAKIJIMA ISLAND.
JMA III 28 11 17 44.8–.26 24.8N–.90 124.0E–.50 0 0.7 ¶616602529
JMA Event type ke. NEAR ISHIGAKIJIMA ISLAND.
ISC III 31 00 56 27.3–1.5 24.26N–.07 125.23E–.05 26–9 4.3b,3.8s 102 0-89
IDC III 31 00 56 23.7–.71 24.20N 125.01E 0 3.9,3.9b ¶610471046
JMA III 31 00 56 27.6–.22 24.3N–.90 125.3E–.70 39 3.8,3.9b
NIED III 31 00 56 27.6 24.25N 125.26E 39 4.1W,3.9b
NEIC III 31 00 56 29.2–2.8 24.0N–.10 125.19E–.07 36–7 4.4b,4.0
NEIC III 31 00 56 29.2 24.03N 125.19E 36 4.4b,4.0
ISC Event type ke.
IDC Error ellipse: s-maj=18.3km s-min=16.6km az=69.0.
JMA Event type ke. NEAR MIYAKOJIMA ISLAND .
NIED Moment Tensor Solution. s2 Moment tensor: Scale 10^{15}Nm; M_{rr}0.17 $M_{\theta\theta}$-0.10 $M_{\phi\phi}$-0.07 $M_{r\theta}$1.09 $M_{\theta\phi}$-0.79 $M_{\phi r}$0.98 NP1:ϕ_s50.00000°,δ80.00000°,λ94.00000°. NP2:ϕ_s207.00000°,δ11.00000°,λ67.00000°. $M_0$1.56000×10^{15}
NEIC Event type se. Error ellipse: s-maj=15.0km s-min=9.2km az=167.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-0.11 $M_{\theta\theta}$-0.52 $M_{\phi\phi}$0.63 $M_{r\theta}$0.96 $M_{\theta\phi}$-0.03 $M_{\phi r}$0.84 NP1:ϕ_s225.14000°,δ88.19000°,λ-65.55000°. NP2:ϕ_s319.10000°,δ24.51000°,λ-175.64000°. Principal axes: T 1.3411,Plg38.0000°,Azm293.0000°; N 0.1127,Plg24.0000°,Azm44.0000°; P -1.4538,Plg42.0000°,Azm158.0000° $M_0$1.40000×10^{15}
NEIC Event type se.
ISC III 31 00 58 60.0–.91 24.13N–.05 125.27E–.04 18–3 4.3b,3.8s 114 1-85
BJI III 31 00 58 53.4–.00 23.72N 125.64E 16 4.6b,4.4b ¶610460782
NEIC III 31 00 58 56.3–2.2 23.7N–.10 125.66E–.08 17–6 4.6b,4.3
IDC III 31 00 58 58.0–.72 24.20N 124.94E 0 4.1,4.1b
NEIC III 31 00 58 57.4 23.78N 125.39E 10 4.1,4.1b
NIED III 31 00 59 02.1 24.28N 125.25E 42 4.4W,4.1b
JMA III 31 00 59 02.1–.17 24N–1.0 125.3E–.60 42–3 4.5,4.1
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}3.64 $M_{\theta\theta}$-3.92 $M_{\phi\phi}$0.28 $M_{r\theta}$1.06 $M_{\theta\phi}$0.01 $M_{\phi r}$0.77 NP1:ϕ_s281.99000°,δ38.40000°,λ108.70000°. NP2:ϕ_s78.63000°,δ53.96000°,λ75.74000°. Principal axes: T 3.9427,Plg76.0000°,Azm303.0000°; N 0.1234,Plg11.0000°,Azm87.0000°; P -4.0661,Plg8.0000°,Azm179.0000° $M_0$4.01000×10^{15}
NEIC Event type se.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.89 $M_{\theta\theta}$-1.34 $M_{\phi\phi}$0.45 $M_{r\theta}$3.10 $M_{\theta\phi}$-1.91 $M_{\phi r}$2.48 NP1:ϕ_s48.00000°,δ79.00000°,λ82.00000°. NP2:ϕ_s265.00000°,δ14.00000°,λ125.00000°. $M_0$4.34000×10^{15}
JMA Event type ke. NEAR MIYAKOJIMA ISLAND .
ISC III 31 01 00 44.0–1.6 24.28N–.08 125.18E–.05 24–10 3.7b 33 0-81
IDC III 31 01 00 40.2–.93 23.91N 124.72E 0 3.8,3.8b ¶610471047
JMA III 31 01 00 43.5–.19 24N–1.0 125.2E–.70 40–4 3.9,3.8b
NIED III 31 01 00 43.5 24.29N 125.24E 40 4.1W,3.8b
ISC Event type ke.
IDC Error ellipse: s-maj=25.6km s-min=20.6km az=81.0.
JMA Event type ke. NEAR MIYAKOJIMA ISLAND .
NIED Moment Tensor Solution. s2 Moment tensor: Scale 10^{15}Nm; M_{rr}0.22 $M_{\theta\theta}$-0.76 $M_{\phi\phi}$0.54 $M_{r\theta}$-0.56 $M_{\theta\phi}$-0.92 $M_{\phi r}$1.06 NP1:ϕ_s282.00000°,δ66.00000°,λ153.00000°. NP2:ϕ_s24.00000°,δ65.00000°,λ27.00000°. $M_0$1.56000×10^{15}
ISC III 31 07 32 16.2–1.2 24.16N–.05 125.27E–.05 20–5 4.4b,3.3s 69 1-82
IDC III 31 07 32 13.6–.76 24.17N 124.88E 0 4.0,4.0b ¶610471048
NEIC III 31 07 32 13.1–2.0 23.9N–.10 125.49E–.03 10–2 4.6b,4.0b
JMA III 31 07 32 18.1–.12 24.3N–.80 125.3E–.40 40–2 3.7,4.0b
NIED III 31 07 32 18.1 24.30N 125.25E 40 4.1W,4.0b
ISC Event type ke.
IDC Error ellipse: s-maj=30.0km s-min=17.2km az=68.0.
NEIC Event type se. Error ellipse: s-maj=25.0km s-min=4.3km az=187.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. NEAR MIYAKOJIMA ISLAND .
NIED Moment Tensor Solution. s2 Moment tensor: Scale 10^{15}Nm; M_{rr}0.43 $M_{\theta\theta}$-0.32 $M_{\phi\phi}$-0.11 $M_{r\theta}$0.81 $M_{\theta\phi}$-0.35 $M_{\phi r}$0.94 NP1:ϕ_s41.00000°,δ79.00000°,λ84.00000°. NP2:ϕ_s252.00000°,δ12.00000°,λ120.00000°. $M_0$1.34000×10^{15}
ISC III 31 09 13 25.4–3.3 24.2N–.10 125.29E–.08 4–25 25 1-4
JMA III 31 09 13 28.4–.22 24N–1.0 125.3E–.70 30–4 3.0 ¶612489319
ISC Event type ke.
JMA Event type ke. NEAR MIYAKOJIMA ISLAND .
JMA IV 01 03 57 41.4–.14 24.6N–.40 123.9E–.30 6–4 1.9 ¶616603842
JMA Event type ke. NEAR ISHIGAKIJIMA ISLAND.
ISC IV 03 04 52 12.4–2.0 25.69N–.09 125.5E–.10 14–13 3.3b 16 1-80
JMA IV 03 04 52 10.7–.19 25.8N–.40 125.4E–.60 13–2 3.2 ¶610651795
IDC IV 03 04 52 14.3–1.5 26.31N 126.21E 0 3.3,3.3b
ISC Event type ke.
JMA Event type ke. NW OFF MIYAKOJIMA ISLAND.
IDC Error ellipse: s-maj=62.9km s-min=31.0km az=67.0.
JMA IV 03 08 10 17.9–.25 24.0N–.60 123.5E–.90 24–1 1.2 ¶617153869
JMA Event type ke. NEAR ISHIGAKIJIMA ISLAND.
JMA IV 04 15 54 23.0–.29 24N–2.0 123.1E–.80 56–4 1.7 ¶614788282
JMA Event type ke. NEAR ISHIGAKIJIMA ISLAND.
JMA IV 05 18 00 30.5–.19 24N–3.0 123.2E–.70 58–1 1.6 ¶617153872
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
JMA IV 07 20 31 58.1–.22 24.3N–.70 123.7E–.70 36–1 0.9 ¶617153874
JMA Event type ke. NEAR ISHIGAKIJIMA ISLAND.
ISC IV 14 00 38 16.4–1.1 24.8N–.10 123.19E–.05 97–7 3.4b 25 0-82
IDC IV 14 00 38 03.3–6.3 25.02N 123.09E 0 4.4s,3.5 ¶610652669
JMA IV 14 00 38 15.9–.23 25N–2.0 123.2E–.60 96–2 2.6,3.5
ISC Event type ke.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC IV 15 16 58 13.4–1.1 23.94N–.07 123.59E–.04 32–7 3.6b,3.0s 33 0-82
IDC IV 15 16 58 08.8–.96 24.04N 123.53E 0 3.6,3.6b ¶610598371
JMA IV 15 16 58 13.9–.18 24.0N–.80 123.6E–.50 33–1 3.5,3.6b
ISC Event type ke.
JMA Event type ke. NEAR ISHIGAKIJIMA ISLAND.
JMA IV 17 17 34 16.9–.35 24.1N–.60 124E–1.0 16–2 0.6 ¶617153879
JMA Event type ke. NEAR ISHIGAKIJIMA ISLAND.
ISC IV 18 17 36 41.4–.91 24.66N–.05 125.27E–.06 33–2 3.7b 31 0-81
IDC IV 18 17 36 35.8–1.1 24.67N 125.03E 0 3.7,3.7b ¶610652995
JMA IV 18 17 36 40.2–.18 24.8N–.80 125.3E–.70 47–1 3.6,3.7b
ISC Event type ke.
JMA Event type ke. NEAR MIYAKOJIMA ISLAND .
ISC IV 19 22 17 31.2–1.0 23.19N–.08 125.50E–.05 35 3.5b,3.0s 37 2-82
IDC IV 19 22 17 26.6–1.1 23.17N 125.59E 0 3.6,3.5b ¶610653077
JMA IV 19 22 17 31.1–.24 23N–1.0 125.4E–.70 87 3.4,3.5b
ISC Event type ke.
JMA Event type ke. NEAR ISHIGAKIJIMA ISLAND.
ISC IV 20 10 29 07.1–3.0 23.27N–.09 123.86E–.06 27–21 3.2b 26 1-48
IDC IV 20 10 29 05.2–5.5 22.82N 123.09E 0 3.2,3.2b ¶616719195
JMA IV 20 10 29 05.4–.22 23.2N–.90 123.9E–.70 47–3 3.3,3.2b
ISC Event type ke.
JMA Event type ke. NEAR ISHIGAKIJIMA ISLAND.
JMA IV 20 22 31 58.2–.12 24.3N–.30 123.8E–.30 17–1 0.5 ¶617153882
JMA Event type ke. NEAR ISHIGAKIJIMA ISLAND.
JMA IV 23 09 50 59.9–.07 24.5N–.30 124.0E–.20 8–2 1.5 ¶617153889
JMA Event type ke. NEAR ISHIGAKIJIMA ISLAND.
JMA IV 24 06 29 04.1–.22 25N–2.0 123.3E–.60 58–2 2.3 ¶617153890
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
JMA IV 25 06 06 09.1–.16 24N–1.0 123.2E–.60 25–2 1.4 ¶617153891
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC IV 25 20 39 19.3–.88 24.36N–.09 123.29E–.04 65–6 4.0b 31 0-78
IDC IV 25 20 39 09.2–7.5 24.35N 123.63E 0 3.9s,3.9 ¶610650011
JMA IV 25 20 39 20.1–.15 24N–1.0 123.3E–.40 60–1 3.4,3.9
ISC Event type ke.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
JMA IV 29 21 53 21.0–.11 24.3N–.70 123.5E–.40 18–2 0.6 ¶617153897
JMA Event type ke. NEAR ISHIGAKIJIMA ISLAND.
ISC IV 29 22 41 13.9–.86 24.51N–.04 124.10E–.03 17–6 3.7b 46 0-82
IDC IV 29 22 41 11.8–.88 24.25N 123.62E 0 3.7,3.7b ¶616499927
JMA IV 29 22 41 14.8–.08 24.4N–.50 124.2E–.40 17–0 4.0,4.0
NEIC IV 29 22 41 19.4–1.2 24.4N–.10 123.9E–.10 49–10 4.0b,4.0
ISC Event type ke.
JMA Event type ke. NEAR ISHIGAKIJIMA ISLAND.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 29 22 41 37.8–.75 24.41N–.05 124.12E–.04 17–5 4.0b 54 0-84
IDC IV 29 22 41 34.3–.73 24.40N 123.69E 0 3.8,3.8b ¶610650361
JMA IV 29 22 41 38.0–.08 24.4N–.50 124.2E–.40 15–0 4.3,4.2
NEIC IV 29 22 41 41.5–1.5 24.33N–.09 124.05E–.08 36–9 4.2b,4.2
ISC Event type ke.
JMA Event type fe. NEAR ISHIGAKIJIMA ISLAND.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 30 18 37 14.8–.80 24.28N–.04 123.82E–.02 18–4 3.7b 46 0-84
IDC IV 30 18 37 12.0–.71 24.40N 123.79E 0 3.7,3.7b ¶610619290
JMA IV 30 18 37 14.8–.10 24.3N–.30 123.8E–.20 17–0 4.1,4.1
NIED IV 30 18 37 14.8 24.25N 123.82E 17 3.8W,4.1
ISC Event type ke.
IDC Error ellipse: s-maj=23.1km s-min=17.1km az=66.0.
JMA Event type fe. NEAR ISHIGAKIJIMA ISLAND.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}-2.84 $M_{\theta\theta}$1.42 $M_{\phi\phi}$1.43 $M_{r\theta}$-2.60 $M_{\theta\phi}$-3.76 $M_{\phi r}$-0.41 NP1:ϕ_s103.00000°,δ66.00000°,λ-133.00000°. NP2:ϕ_s349.00000°,δ47.00000°,λ-33.00000°. $M_0$5.18000×10^{14}
JMA IV 30 20 25 20.3–.22 24.3N–.40 123.8E–.50 21–1 -0.2 ¶617153898
JMA Event type ke. NEAR ISHIGAKIJIMA ISLAND.
JMA IV 30 20 27 53.4–.15 24.3N–.30 123.8E–.40 17–1 0.3 ¶617153899
JMA Event type ke. NEAR ISHIGAKIJIMA ISLAND.
JMA V 03 19 10 11.4–.18 25N–1.0 123.8E–.50 66–2 0.4 ¶617229470
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC V 03 21 22 33.9–3.5 24.25N–.07 123.79E–.08 18–20 8 0-1
JMA V 03 21 22 34.3–.16 24.3N–.30 123.8E–.40 16–1 0.3 ¶617229471
ISC Event type ke.
JMA Event type ke. NEAR ISHIGAKIJIMA ISLAND.
JMA V 04 19 13 29.1–.29 25N–2.0 124E–2.0 101 1.0 ¶617229474
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
JMA V 07 17 14 15.8–.12 24.3N–.30 123.8E–.30 16–1 1.4 ¶617229478
JMA Event type ke. NEAR ISHIGAKIJIMA ISLAND.
ISC V 09 19 15 50.0–.22 25.72N–.02 125.13E–.02 124–1 5.3b 1330 1-169
BGR V 09 19 15 31.2 23.85N 126.26E 33 5.5b,4.1s ¶611833844
BJI V 09 19 15 42.8–.00 25.33N 125.59E 110 5.2b,5.0b
MOS V 09 19 15 48.6–.95 25.78N 125.09E 123 5.2b,5.0b
NEIC V 09 19 15 49.8 25.72N 125.13E 120 5.2b,5.0b
NEIC V 09 19 15 49.8 25.52N 125.13E 120 5.2b,5.0b
NEIC V 09 19 15 49.9–2.0 25.74N–.06 125.13E–.05 117–3 5.4b,5.1
JMA V 09 19 15 50.5–.19 26N–1.0 125.0E–.90 105 5.2,5.0
NIED V 09 19 15 50.5 25.85N 124.97E 105 5.1W,5.0
GCMT V 09 19 15 50.8–.30 25.66N–.02 125.13E–.03 149–5 5.2W,5.0
IDC V 09 19 15 50.1–.83 25.84N 125.13E 118–7 5.2,4.9b
ISC Event type ke.
BGR Event type ke.
MOS Error ellipse: s-maj=5.9km s-min=3.6km az=114.8.

NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 1s9 Moment tensor: Scale 10^{16}Nm; Mrr1.38 Mθθ-3.21 Mφφ1.83 Mrθ-4.96 Mθφ-1.93 Mφr-0.43 NP1:φs271.71000°,δ78.75000°,λ109.56000°. NP2:φs30.48000°,δ22.45000°,λ30.71000°. Principal axes: T 4.7279,Plg52.0000°,Azm204.0000°; N 2.0519,Plg19.0000°,Azm88.0000°; P -6.7798,Plg31.0000°,Azm346.0000° M0 5.75000×10^{16}
NEIC Event type se. Error ellipse: s-maj=9.0km s-min=5.8km az=167.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. NW OFF MIYAKOJIMA ISLAND.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; Mrr0.29 Mθθ-1.24 Mφφ0.95 Mrθ-5.23 Mθφ0.16 Mφr-1.11 NP1:φs257.00000°,δ86.00000°,λ83.00000°. NP2:φs139.00000°,δ7.00000°,λ151.00000°. M0 5.43000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s15,c17; s97,c140;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; Mrr1.15±.47 Mθθ-1.60±.47; Mφφ0.45±.44; Mrθ-7.74±.34; Mθφ0.47±.49; Mφr-2.30±.30; Best double couple: NP1:φs254.00000°,δ86.00000°,λ83.00000°. NP2:φs132.00000°,δ8.00000°,λ148.00000°. Principal axes: T 8.1930,Plg49.0000°,Azm157.0000°; N 0.0420,Plg7.0000°,Azm254.0000°; P -8.2340,Plg41.0000°,Azm350.0000° M0 8.21400×10^{16}
IDC Error ellipse: s-maj=7.7km s-min=5.8km az=57.0.
JMA V 09 19 34 22.6–.15 24.3N–.30 123.8E–.40 16–1 0.4 ¶617229479
JMA Event type ke. NEAR ISHIGAKIJIMA ISLAND.
ISC V 11 20 54 27.0–.65 24.75N–.06 125.39E–.05 45–5 4.4b,3.5s 224 0-93
IDC V 11 20 54 21.4–.62 24.83N 125.29E 0 4.2,4.2b **¶616639924**
NEIC V 11 20 54 26.4–2.1 24.71N–.09 125.478E–.01 38–8 4.5b,4.2b
JMA V 11 20 54 27.2–.18 24.8N–.80 125.4E–.70 49–1 4.4,4.3
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type fe. NEAR MIYAKOJIMA ISLAND .
ISC V 13 05 03 57.4–6.8 23.76N–.09 123.32E–.04 37–7 21 1-3
JMA V 13 05 03 56.7–.31 24N–2.0 123.3E–.70 47–3 2.8 **¶612489700**
ISC Event type ke.
JMA Event type ke. NEAR ISHIGAKIJIMA ISLAND.
JMA V 14 10 13 40.4–.19 23.9N–.90 124.7E–.50 56 2.8 ¶612489712
JMA Event type ke. NEAR ISHIGAKIJIMA ISLAND.
JMA V 16 20 10 10.4–.23 25N–1.0 123.4E–.50 28–4 ¶617229483
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
JMA V 17 14 23 41.8–.20 24.9N–.90 123.4E–.50 25–4 1.7 ¶617229484
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
JMA V 17 18 53 31.7–.23 24.3N–.40 123.8E–.60 17–2 0.4 ¶617229485
JMA Event type ke. NEAR ISHIGAKIJIMA ISLAND.
ISC V 22 10 35 35.2–1.2 24.50N–.04 123.01E–.02 76–7 208 0-4
TAP V 22 10 35 34.3 24.62N 122.91E 104–0 3.7L **¶612489784**
JMA V 22 10 35 34.5–.15 25N–2.0 123.0E–.60 79–1 2.7
ISC Event type ke.
TAP C.
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC V 22 20 06 59.7–.83 25.76N–.08 125.04E–.06 130–10 3.4b 46 1-50
IDC V 22 20 06 46.7–1.1 25.46N 124.27E 0 4.1L,3.7 **¶610667715**
NIED V 22 20 06 59.9 25.88N 124.91E 109 3.8W,3.7
JMA V 22 20 06 59.9–.20 26N–1.0 124.9E–1.0 109 3.6,3.7
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; Mrr2.07 Mθθ3.00 Mφφ-5.07 Mrθ-0.04 Mθφ-3.09 Mφr1.08 NP1:φs334.00000°,δ87.00000°,λ13.00000°. NP2:φs244.00000°,δ77.00000°,λ177.00000°. M0 5.18000×10^{14}
JMA Event type ke. NW OFF MIYAKOJIMA ISLAND.
ISC V 25 04 39 24.3–2.3 23.11N–.09 124.94E–.06 12–14 33 1-6
JMA V 25 04 39 27.4–.26 23N–1.0 124.9E–.70 49 3.5 **¶612489810**
ISC Event type ke.
JMA Event type ke. NEAR ISHIGAKIJIMA ISLAND.
JMA V 27 08 57 31.8–.26 24.1N–.80 123.8E–.70 23–1 1.9 ¶617189954
JMA Event type ke. NEAR ISHIGAKIJIMA ISLAND.
JMA V 28 20 50 36.6–.27 25N–3.0 125E–1.0 64–3 1.1 ¶617229498
JMA Event type ke. NEAR ISHIGAKIJIMA ISLAND.
JMA V 30 18 25 52.5–.12 24.3N–.20 123.8E–.30 16–1 0.5 ¶617229504
JMA Event type ke. NEAR ISHIGAKIJIMA ISLAND.
JMA V 31 06 52 04.7–.19 24.2N–.30 123.8E–.50 19–1 0.6 ¶617229506
JMA Event type ke. NEAR ISHIGAKIJIMA ISLAND.
ISC VI 01 13 50 08.1–.55 23.25N–.05 125.33E–.04 44 4.2b,3.2s 89 1-93
BJI VI 01 13 50 02.1–.00 22.99N 125.45E 23 4.5b,4.2b **¶610657924**
IDC VI 01 13 50 03.4–.85 23.21N 125.38E 0 4.0,3.9b
NEIC VI 01 13 50 05.9–2.3 23.23N–.07 125.31E–.07 23–6 4.5b,3.9b
JMA VI 01 13 50 07.1–.23 23.3N–.90 125.2E–.70 55 3.7,3.9b
NIED VI 01 13 50 07.1 23.30N 125.23E 55 4.2W,3.9b
ISC Event type ke.
IDC Error ellipse: s-maj=23.1km s-min=18.2km az=84.0.
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=7.4km az=219.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. NEAR ISHIGAKIJIMA ISLAND.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; Mrr-1.81 Mθθ2.31 Mφφ-0.50 Mrθ1.42 Mθφ-0.09 Mφr-0.41 NP1:φs282.00000°,δ63.00000°,λ-79.00000°. NP2:φs79.00000°,δ29.00000°,λ-111.00000°. M0 2.55000×10^{15}
JMA VI 02 17 41 18.5–.21 25N–2.0 123.7E–.50 87–3 1.3 ¶617481118
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
JMA VI 03 16 42 29.1–.08 24N–4.0 123.2E–.80 58 1.1 ¶617481120
JMA Event type ke. NW OFF ISHIGAKIJIMA IS .
ISC VI 10 06 51 47.6–1.1 23.97N–.06 123.58E–.03 33–6 4.3b 74 0-84
IDC VI 10 06 51 42.8–.80 24.05N 123.47E 0 4.1,4.1b **¶610764476**
NEIC VI 10 06 51 47.1–1.8 23.92N–.07 123.63E–.10 26–7 4.5b,4.1b
NIED VI 10 06 51 48.3 23.95N 123.59E 33 4.3W,4.1b
JMA VI 10 06 51 48.3–.20 24.0N–.90 123.6E–.60 33–1 4.3,4.1
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; Mrr1.38 Mθθ-1.63 Mφφ0.25 Mrθ1.73 Mθφ-1.04 Mφr1.32 NP1:φs53.00000°,δ72.00000°,λ78.00000°. NP2:φs267.00000°,δ22.00000°,λ122.00000°. M0 2.80000×10^{15}
JMA Event type fe. NEAR ISHIGAKIJIMA ISLAND.
JMA VI 10 17 46 42.6–.25 24.2N–.50 123.7E–.70 20–1 0.9 ¶617481129
JMA Event type ke. NEAR ISHIGAKIJIMA ISLAND.
ISC VI 29 22 52 54.9–1.2 25.35N–.08 125.82E–.06 27–10 3.7b,3.0s 58 1-89
NIED VI 29 22 52 54.6 25.37N 125.81E 34 3.9W,3.0s **¶610764511**
JMA VI 29 22 52 54.6–.08 25.4N–.70 125.8E–.70 34–2 4.0,4.0
IDC VI 29 22 52 56.0–5.4 25.45N 125.75E 33–42 3.8,3.6b
ISC Event type ke.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; Mrr-6.96 Mθθ0.12 Mφφ6.85 Mrθ-1.39 Mθφ-3.01 Mφr-0.62 NP1:φs352.00000°,δ47.00000°,λ-71.00000°. NP2:φs146.00000°,δ46.00000°,λ-109.00000°. M0 7.66000×10^{14}
JMA Event type ke. NEAR MIYAKOJIMA ISLAND .
IDC Error ellipse: s-maj=27.3km s-min=18.4km az=68.0.
ISC VI 30 12 56 57.7–.76 25.60N–.07 125.30E–.05 106–7 4.2b 100 1-80
IDC VI 30 12 56 56.5–3.4 25.66N 125.17E 95–32 3.9,3.5b **¶610789789**
JMA VI 30 12 56 57.6–.16 25.7N–.90 125.2E–.90 92 3.8,3.7
NEIC VI 30 12 56 58.8–2.4 25.6N–.10 125.27E–.08 104–7 4.3b,3.7
ISC Event type ke.
JMA Event type ke. NW OFF MIYAKOJIMA ISLAND.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 30 14 04 02.4–.27 25.65N–.03 125.29E–.03 103–2 5.2b 1027 1-169
BGR VI 30 14 03 43.4 23.50N 126.94E 33 5.6b,4.3s **¶617195315**
BJI VI 30 14 03 57.0–.00 25.30N 125.66E 100 4.9b,4.9b
MOS VI 30 14 04 00.4–.95 25.73N 125.23E 90 5.2b,4.9b
IDC VI 30 14 04 02.5–.45 25.78N 125.33E 99–4 4.9,4.6b
NEIC VI 30 14 04 02.2–2.4 25.58N–.07 125.37E–.07 93–5 5.4b,5.2
NIED VI 30 14 04 02.5 25.69N 125.19E 98 5.2W,5.2
JMA VI 30 14 04 02.5–.18 26N–2.0 125E–1.0 98–4 5.2W,5.2
NEIC VI 30 14 04 02.5 25.61N 125.33E 90 5.2W,5.2
NEIC VI 30 14 04 02.5 25.61N 125.33E 95 5.2W,5.2
GCMT VI 30 14 04 03.2–.10 25.54N–.01 125.23E–.01 115–1 5.3W,5.2
ISC Event type ke.
BGR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; Mrr-1.48 Mθθ-3.34 Mφφ4.82 Mrθ-2.63 Mθφ-4.79 Mφr1.30 NP1:φs112.00000°,δ85.00000°,λ-153.00000°. NP2:φs20.00000°,δ63.00000°,λ-6.00000°. M0 6.97000×10^{16}
JMA Event type fe. NW OFF MIYAKOJIMA ISLAND.
NEIC Event type se. Moment Tensor Solution.Duration: 2s1 Moment tensor: Scale 10^{16}Nm; Mrr-1.00 Mθθ-3.52 Mφφ4.52 Mrθ-4.25 Mθφ-5.25 Mφr0.97 NP1:φs110.88000°,δ83.94000°,λ-146.21000°. NP2:φs16.84000°,δ56.42000°,λ-7.28000°. Principal axes: T 8.0378,Plg18.0000°,Azm239.0000°; N -0.1333,Plg56.0000°,Azm120.0000°; P -7.9045,Plg28.0000°,Azm339.0000° M0 7.97000×10^{16}
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s93,c146; s129,c225;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; Mrr-0.22±.01 Mθθ-0.47±.02; Mφφ0.69±.02; Mrθ-0.57±.01; Mθφ-0.62±.01; Mφr0.01±.01; Best double couple: NP1:φs115.00000°,δ77.00000°,λ-147.00000°. NP2:φs17.00000°,δ58.00000°,λ-15.00000°. Principal axes: T 1.0090,Plg12.0000°,Azm243.0000°; N 0.0580,Plg55.0000°,Azm135.0000°; P -1.0680,Plg32.0000°,Azm341.0000° M0 1.03800×10^{17}

SEISMIC REGION 22.
Philippines.

(248) Philippine Islands region.

ISC I 01 07 40 31.6–1.2 10.16N–.07 126.07E–.09 69–10 3.9b 48 1-87
MAN I 01 07 40 33.8 10.08N 125.93E 46 4.7b,3.6L **¶610236365**
NEIC I 01 07 40 33.5–.88 10.2N–.10 126.0E–.20 77–9 4.0b,3.6L
IDC I 01 07 40 36.4–9.4 10.18N 125.96E 110–87 3.9,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=30.7km s-min=11.1km az=69.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=60.7km s-min=15.8km az=62.0.
ISC I 02 19 56 32.4–2.6 19.0N–.20 119.8E–.20 10 6 2-45
MAN I 02 19 56 36.2 19.26N 120.02E 32 4.3b,3.1L **¶610236510**
IDC I 02 19 57 12.2–11 13.38N 119.34E 0 3.2,3.1b
ISC Event type ke.
IDC Error ellipse: s-maj=398.7km s-min=34.0km az=39.0.
MAN I 03 15 47 31.1 10.03N 126.34E 3 4.6b,3.5L ¶615393799
ISC I 12 19 39 36.1–.74 10.05N–.04 126.30E–.06 37–1 4.0b 63 0-94
MAN I 12 19 39 34.8 10.10N 126.29E 8 4.7b,3.6L **¶610237256**
NEIC I 12 19 39 42.3–1.3 9.91N–.04 125.7E–.20 91–11 4.6b,3.6L
IDC I 12 19 39 44.1–2.3 9.90N 126.11E 120–22 4.0,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=29.1km s-min=6.0km az=89.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=30.1km s-min=13.1km az=72.0.
ISC I 12 20 14 07.9–.70 10.07N–.04 126.39E–.05 10 3.8b 46 0-94
MAN I 12 20 14 11.0 9.97N 126.30E 18 4.6b,3.5L **¶610237258**
IDC I 12 20 14 19.6–2.7 9.90N 126.07E 123–26 3.9,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=38.0km s-min=14.6km az=68.0.
ISC I 13 10 47 19.5–1.4 10.07N–.04 126.36E–.06 25–10 3.6b 46 0-94
IDC I 13 10 47 15.4–1.3 9.97N 126.09E 0 3.6,3.6b **¶610237292**
MAN I 13 10 47 20.8 9.99N 126.30E 16 4.4b,3.3L
ISC Event type ke.
IDC Error ellipse: s-maj=55.8km s-min=23.5km az=64.0.
ISC I 13 21 38 27.1–1.4 10.11N–.03 126.05E–.04 17–9 3.3b 41 0-58
IDC I 13 21 38 25.2–3.3 9.85N 125.48E 0 3.4,3.4b **¶610237313**
MAN I 13 21 38 31.1 10.13N 126.08E 13 4.5b,3.3L
ISC Event type ke.
IDC Error ellipse: s-maj=267.8km s-min=28.9km az=65.0.
ISC I 15 03 53 18.2–2.4 6.72N–.08 127.49E–.09 10–14 3.1b 14 1-56
IDC I 15 03 53 17.1–4.5 6.52N 127.37E 0 3.3,3.3b **¶610237412**
MAN I 15 03 53 21.6 6.87N 127.48E 21 4.3b,3.1L
ISC Event type ke.
IDC Error ellipse: s-maj=382.8km s-min=28.0km az=67.0.
ISC I 16 11 36 39.4–.72 13.43N–.06 125.60E–.08 24 4.1b,2.8s 28 1-89
IDC I 16 11 36 35.5–.74 13.34N 125.73E 0 4.0,4.0b **¶610237513**
MAN I 16 11 36 38.4 13.51N 125.62E 39 4.6b,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=36.1km s-min=14.8km az=68.0.
ISC I 19 02 48 59.8–1.3 6.07N–.08 127.2E–.10 35 3.2b 14 2-56
IDC I 19 02 48 53.3–2.7 6.41N 127.56E 0 3.3,3.3b **¶610237700**
ISC Event type ke.
IDC Error ellipse: s-maj=192.7km s-min=29.2km az=67.0.
ISC I 19 19 59 39.3–.28 19.91N–.03 121.32E–.04 40 4.7b,4.1s 291 1-170
IDC I 19 19 59 33.3–.41 19.87N 121.40E 0 4.4,4.4b **¶610102162**
NEIC I 19 19 59 35.4–1.8 19.89N–.07 121.29E–.08 10–1 4.8b,4.4b
MAN I 19 19 59 35.6 20.14N 121.31E 61 5.5b,4.7s
BJI I 19 19 59 36.3–.00 20.16N 121.22E 10 4.8b,4.4
DJA I 19 19 59 36.0–.20 20N–2.0 121E–5.0 10 5.1b,4.8b
JMA I 19 19 59 39.0–.81 20N–3.0 122E–3.0 17 5.0,4.8b
GCMT I 19 19 59 39.3–.30 20.01N–.02 121.06E–.03 32–1 4.9W,4.8b
ISC Event type ke. Moment Tensor Solution. NP1:φs317.35825°,δ13.07339°,λ40.34658°. NP2:φs187.75241°,δ81.57933°,λ100.03645°. Principal axes: T Plg52.4038°,Azm109.4056°; N Plg9.9271°,Azm6.2678°; P Plg35.8191°,Azm269.0111°
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. PHILIPPINE ISL REGION .
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s28,c33; s72,c107;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr2.39±.17 Mθθ-0.25±.10; Mφφ-2.13±.11; Mrθ-1.00±.11; Mθφ-0.64±.06; Mφr-1.66±.11; Best double couple: NP1:φs206.00000°,δ65.00000°,λ97.00000°. NP2:φs9.00000°,δ26.00000°,λ75.00000°. Principal axes: T 3.1080,Plg69.0000°,Azm130.0000°; N -0.1100,Plg6.0000°,Azm23.0000°; P -2.9920,Plg19.0000°,Azm290.0000° M0 3.05000×10^{16}
ISC I 19 20 41 33.1–.93 20.00N–.08 121.5E–.20 40 3.6b 13 1-87
IDC I 19 20 41 27.1–1.0 19.86N 121.47E 0 3.6,3.6b **¶610237745**
MAN I 19 20 41 30.6 19.97N 121.24E 15 4.7b,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=45.1km s-min=18.9km az=65.0.
MAN I 19 21 53 07.9 20.13N 121.16E 10 4.6b,3.5L ¶610237747
ISC I 20 00 45 48.1–1.1 19.79N–.08 122.0E–.20 10 3.4b 14 1-87
IDC I 20 00 45 46.1–1.2 19.41N 121.44E 0 3.4,3.4b **¶610234901**
MAN I 20 00 45 48.6 19.87N 121.89E 14 4.6b,3.4L
ISC Event type ke.
IDC Error ellipse: s-maj=82.9km s-min=22.7km az=64.0.
ISC I 21 09 31 37.0–1.9 5.9N–.40 127E–1.0 100 3.5b 8 2-60
IDC I 21 09 31 24.8–2.2 6.08N 127.36E 0 3.6,3.6b **¶610234990**
ISC Event type ke.
IDC Error ellipse: s-maj=181.3km s-min=21.3km az=67.0.
ISC I 22 18 07 05.9–1.0 6.6N–.10 127.21E–.09 35 3.5b 13 1-82

MAN	I	22 18 07 12.5	7.55N	125.96E	44	4.3b,3.1L		¶610235129
IDC	I	22 18 07 14.2–1.3	6.41N	126.35E	132–15	3.5,3.1b		
ISC		Event type ke.						
IDC		Error ellipse: s-maj=52.7km s-min=16.4km az=78.0.						
ISC	I	27 20 19 46.9–.69	5.24N–.05	127.54E–.07	50	4.2b	52	3-123
IDC	I	27 20 19 40.9–1.4	5.25N	127.54E	0	4.0,3.9b		¶610235500
NEIC	I	27 20 19 46.5–1.4	5.36N–.08	127.7E–.10	35–11	4.3b,3.9b		
MAN	I	27 20 19 47.9	5.15N	127.37E	14	4.9b,3.9L		
DJA	I	27 20 19 58.0–.60	4N–5.0	127E–5.0	76–7	5.0b,4.3b		
ISC		Event type se.						
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.						
ISC	I	31 18 04 09.3–1.9	6.83N–.05	127.20E–.06	15–11	3.3b	25	1-65
MAN	I	31 18 04 16.3	6.90N	126.78E	17	4.8b,3.7L		¶610235837
IDC	I	31 18 04 16.3–3.9	6.88N	127.04E	73–35	3.4,3.3L		
ISC		Event type ke.						
IDC		Error ellipse: s-maj=55.6km s-min=17.1km az=49.0.						
MAN	II	01 13 37 41.4	19.26N	121.13E	20	3.9b,2.7L		¶615934658
ISC	II	02 05 21 57.4–1.0	5.77N–.07	127.05E–.10	57–14	4.0b	36	2-60
MAN	II	02 05 21 54.3	5.57N	127.12E	32	4.8b,3.7L		¶610414651
NEIC	II	02 05 21 57.0–.90	5.86N–.09	126.9E–.10	50–13	4.0b,3.7L		
IDC	II	02 05 21 57.7–2.7	5.89N	127.22E	66–24	3.9,3.6b		
ISC		Event type se.						
NEIC		Event type se. Error ellipse: s-maj=19.3km s-min=9.6km az=58.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.						
IDC		Error ellipse: s-maj=58.9km s-min=10.0km az=54.0.						
ISC	II	02 15 03 55.4–1.5	7.55N–.08	127.3E–.10	41	3.3b	12	1-55
IDC	II	02 15 03 49.5–2.9	7.74N	127.51E	0	3.5,3.5b		¶610414683
ISC		Event type ke.						
IDC		Error ellipse: s-maj=206.6km s-min=29.1km az=66.0.						
ISC	II	03 00 30 34.1–1.2	19.83N–.09	122.0E–.20	10	3.3b	10	1-45
IDC	II	03 00 30 33.7–1.6	19.20N	120.56E	0	3.4,3.4b		¶610414705
MAN	II	03 00 30 35.9	19.83N	121.31E	4	4.2b,3.0L		
ISC		Event type ke.						
IDC		Error ellipse: s-maj=159.5km s-min=22.5km az=66.0.						
ISC	II	03 00 36 11.3–1.1	19.82N–.08	121.3E–.20	34	3.5b	11	1-45
IDC	II	03 00 36 06.1–1.6	19.82N	121.43E	0	3.5,3.5b		¶610414706
MAN	II	03 00 36 07.9	19.93N	120.92E	1	4.6b,3.5L		
ISC		Event type ke.						
IDC		Error ellipse: s-maj=164.5km s-min=20.7km az=66.0.						
ISC	II	05 15 07 54.8–.49	6.58N–.05	127.04E–.06	74	4.1b	50	1-122
MAN	II	05 15 07 55.0	6.67N	126.99E	34	4.8b,3.8L		¶610414890
NEIC	II	05 15 07 55.7–1.4	6.8N–.10	127.1E–.10	74–9	4.2b,3.8L		
IDC	II	05 15 07 56.1–1.8	6.62N	127.07E	84–17	3.9,3.5b		
ISC		Event type se.						
NEIC		Event type se. Error ellipse: s-maj=18.6km s-min=11.6km az=225.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.						
IDC		Error ellipse: s-maj=23.5km s-min=13.3km az=63.0.						
ISC	II	06 11 48 43.3–1.2	11.48N–.06	126.11E–.07	10	3.6b	18	1-51
IDC	II	06 11 48 42.8–3.2	11.17N	125.37E	0	3.6,3.6b		¶610414968
MAN	II	06 11 48 48.1	11.61N	125.79E	3	4.7b,3.6L		
ISC		Event type ke.						
IDC		Error ellipse: s-maj=285.8km s-min=25.1km az=64.0.						
ISC	II	07 08 21 05.8–.47	19.05N–.05	121.16E–.07	35	4.2b,3.5s	50	1-115
IDC	II	07 08 21 00.3–.63	18.94N	121.39E	0	4.0,4.0b		¶610415025
MAN	II	07 08 21 06.9	19.07N	121.27E	21	5.2b,4.3s		
NEIC	II	07 08 21 06.5–2.6	18.88N–.09	121.0E–.10	47–9	4.5b,4.3s		
ISC		Event type se.						
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.						
ISC	II	09 04 39 55.3–1.3	19.28N–.08	121.23E–.09	10	4.0s,3.7b	11	1-90
IDC	II	09 04 39 52.4–1.2	19.03N	121.39E	0	3.7,3.6b		¶610415159
MAN	II	09 04 39 58.8	19.07N	121.23E	22	4.7b,3.6L		
ISC		Event type ke.						
IDC		Error ellipse: s-maj=43.6km s-min=23.9km az=60.0.						
IDC	II	09 15 37 10.9–3.6	20.02N	122.43E	0	4.6s,3.7		¶610415182
IDC		Error ellipse: s-maj=295.3km s-min=21.9km az=62.0.						
ISC	II	10 05 32 38.3–.57	5.11N–.08	127.7E–.10	108	4.0b	23	3-123
IDC	II	10 05 32 41.1–3.1	4.98N	127.65E	138–30	4.0,3.6b		¶610415215
MAN	II	10 05 32 44.9	5.48N	127.25E	178	4.5b,3.3L		
ISC		Event type ke.						
IDC		Error ellipse: s-maj=34.3km s-min=12.5km az=78.0.						
ISC	II	11 00 51 49.9–1.0	20.6N–.20	121.2E–.40	29	3.4b	8	21-72
IDC	II	11 00 51 45.6–.98	20.62N	121.23E	0	3.5,3.5b		¶610415270
ISC		Event type ke.						
IDC		Error ellipse: s-maj=62.2km s-min=19.3km az=66.0.						
ISC	II	13 15 02 13.2–.77	20.4N–.10	120.5E–.20	26	3.8b,3.1s	13	10-87
IDC	II	13 15 02 09.3–.71	20.42N	120.50E	0	3.7,3.7b		¶610415454
MAN	II	13 15 02 12.8	20.37N	120.19E	30	4.7b,3.5L		
ISC		Event type ke.						
IDC		Error ellipse: s-maj=30.5km s-min=15.1km az=67.0.						
ISC	II	14 08 35 07.1–1.2	10.2N–.10	126.88E–.10	10	3.9b	11	1-86
IDC	II	14 08 35 05.6–3.0	10.19N	126.85E	0	3.7,3.7b		¶610415497
MAN	II	14 08 35 11.6	10.84N	126.51E	15	4.3b,3.2L		
ISC		Event type ke.						
IDC		Error ellipse: s-maj=280.4km s-min=29.2km az=68.0.						
ISC	II	14 19 52 47.8–.91	20.33N–.08	120.1E–.20	10	3.8b	16	3-87
IDC	II	14 19 52 46.3–.90	20.42N	120.35E	0	3.7,3.7b		¶610415523
ISC		Event type ke.						
IDC		Error ellipse: s-maj=72.2km s-min=18.1km az=65.0.						
ISC	II	16 05 29 30.2–.90	10.02N–.03	126.28E–.05	40–8	4.2b,3.3s	75	0-146
NEIC	II	16 05 29 25.5–.61	10.01N–.09	126.0E–.10	10–2	4.3b,3.3s		¶610415612
MAN	II	16 05 29 33.0	10.03N	126.08E	14	5.2b,4.2s		
IDC	II	16 05 29 34.7–2.3	9.98N	125.97E	70–21	4.1,3.8b		
ISC		Event type fe.						
NEIC		Event type se. Error ellipse: s-maj=19.3km s-min=13.2km az=118.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.						
MAN		Event type fe. INTENSITY IV - BURGOS SURIGAO DEL NORTE; INTENSITY III - SISON SURIGAO DEL NORTE; INTENSITY II- DAPA SURIGAO DEL NORTE.						
IDC		Error ellipse: s-maj=28.7km s-min=12.1km az=74.0.						
ISC	II	17 00 16 41.4–1.4	10.32N–.03	126.31E–.06	14–8	3.8b	43	1-120
IDC	II	17 00 16 39.5–1.2	10.54N	126.23E	0	4.6L,3.7		¶610415656
MAN	II	17 00 16 44.2	10.25N	126.13E	8	5.0b,3.9L		
ISC		Event type ke.						
IDC		Error ellipse: s-maj=62.1km s-min=19.9km az=80.0.						
MAN	II	17 17 21 23.9	19.91N	122.23E	30	4.4b,3.2L		¶615934928
ISC	II	18 07 01 23.9–1.3	10.43N–.04	126.83E–.06	31–9	4.4b	79	1-146
IDC	II	18 07 01 19.3–.55	10.44N	126.75E	0	4.2,4.2b		¶610228751
MAN	II	18 07 01 21.4	10.53N	126.85E	25	4.9b,3.9L		
NEIC	II	18 07 01 28.0–1.1	10.4N–.10	126.8E–.20	63–8	4.5b,3.9L		
ISC		Event type se.						
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.						
ISC	II	18 16 54 57.2–2.6	10.53N–.04	126.85E–.07	5–15	4.0b	52	1-146
IDC	II	18 16 54 57.0–.78	10.38N	126.68E	0	3.9,3.9b		¶610415767
MAN	II	18 16 54 59.7	10.51N	126.84E	35	4.9b,3.9L		
NEIC	II	18 16 55 04.7–1.5	10.39N–.10	126.9E–.20	58–9	4.4b,3.9L		
ISC		Event type se.						
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.						
ISC	II	18 18 53 51.4–2.1	10.55N–.05	126.77E–.08	10–12	4.0b	26	1-86
IDC	II	18 18 53 49.9–1.1	10.51N	126.92E	0	4.0,3.9b		¶610415774
MAN	II	18 18 53 50.7	10.58N	127.04E	32	4.9b,3.8L		
ISC		Event type ke.						
IDC		Error ellipse: s-maj=69.9km s-min=19.7km az=79.0.						
ISC	II	20 23 35 53.4–.99	19.82N–.06	122.1E–.10	27	3.5b	14	1-87
IDC	II	20 23 35 49.4–1.1	19.96N	122.47E	0	3.6,3.6b		¶610384713
MAN	II	20 23 35 52.5	19.96N	121.80E	30	4.4b,3.2L		
ISC		Event type ke.						
IDC		Error ellipse: s-maj=42.3km s-min=22.8km az=62.0.						
MAN	II	21 09 35 57.4	20.00N	121.75E	26	4.0b,2.8L		¶615934992
ISC	II	24 21 06 03.6–.93	5.21N–.08	127.21E–.10	100	3.8b	18	2-61
MAN	II	24 21 06 05.5	5.53N	127.21E	124	4.4b,3.2L		¶610384957
IDC	II	24 21 06 22.1–2.2	4.36N	125.66E	261–29	3.8,3.2b		
ISC		Event type ke.						
IDC		Error ellipse: s-maj=116.7km s-min=13.3km az=66.0.						
ISC	II	25 18 57 24.9–.55	10.47N–.03	126.86E–.04	11–3	5.1b,4.0s	761	1-164
BJI	II	25 18 57 22.5–.00	10.13N	126.93E	25	5.2b,4.9b		¶611831883
MAN	II	25 18 57 22.3	10.61N	127.22E	52	5.7b,5.1s		
IDC	II	25 18 57 23.4–.34	10.44N	126.77E	0	4.8,4.8b		
NEIC	II	25 18 57 24.9–2.0	10.54N–.07	126.77E–.09	10–1	5.2b,4.8b		
MOS	II	25 18 57 26.5–.92	10.44N	126.78E	33	5.2b,4.8b		
GCMT	II	25 18 57 28.9–.20	10.55N–.03	126.99E–.01	13–1	5.0W,4.8b		
DJA	II	25 18 57 41.4–.60	9N–4.0	127E–3.0	83–4	5.4b,5.4		
ISC		Event type se.						
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.						
GCMT		nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s32,c34; s102,c144;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.97±.17 $M_{\theta\theta}$0.01±.09; $M_{\phi\phi}$2.96±.12; $M_{r\theta}$0.11±.28; $M_{\theta\phi}$-0.02±.07; $M_{\phi r}$-1.67±.28; Best double couple: NP1:ϕ_s358.00000°,δ60.00000°,λ-92.00000°. NP2:ϕ_s181.00000°,δ30.00000°,λ-87.00000°. Principal axes: T 3.3990,Plg15.0000° ,Azm89.0000°; N 0.0160,Plg1.0000°,Azm359.0000°; P -3.4110,Plg75.0000°,Azm263.0000° $M_0$3.40500×10^{16}						
ISC	II	25 19 01 39.4–.53	10.45N–.05	126.80E–.07	20	4.3b	54	1-146
IDC	II	25 19 01 36.2–.73	10.38N	126.82E	0	4.0b,3.9		¶610385017
NEIC	II	25 19 01 38.4–.94	10.4N–.10	126.79E–.07	10–1	4.5b,3.9		
MAN	II	25 19 01 42.0	10.52N	126.33E	3	4.6b,3.5L		
ISC		Event type ke.						
IDC		Error ellipse: s-maj=39.6km s-min=17.5km az=74.0.						
NEIC		Event type se. Error ellipse: s-maj=21.9km s-min=10.7km az=20.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.						
ISC	II	25 19 43 45.5–3.0	10.52N–.04	126.90E–.08	29–23	3.3b	29	1-52
IDC	II	25 19 43 41.1–10	10.58N	127.38E	0	3.5,3.5b		¶610385020
MAN	II	25 19 43 45.8	10.60N	126.71E	15	4.6b,3.4L		
ISC		Event type ke.						
IDC		Error ellipse: s-maj=827.7km s-min=26.9km az=66.0.						
ISC	II	25 21 27 05.8–1.9	10.54N–.03	126.90E–.06	2–11	4.3b	75	1-93
IDC	II	25 21 27 05.8–.74	10.32N	126.65E	0	3.9,3.9b		¶610241351
MAN	II	25 21 27 07.0	10.56N	126.91E	14	5.1b,4.1s		
NEIC	II	25 21 27 07.5–1.6	10.53N–.08	126.91E–.07	10–1	4.5b,4.1s		
ISC		Event type se.						
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.						
IDC	II	28 11 39 47.4–2.2	10.48N	126.96E	0	3.3,3.3b		¶610385201
IDC		Error ellipse: s-maj=201.8km s-min=23.4km az=69.0.						
MAN	III	01 07 01 46.5	11.93N	126.23E	31	5.0b,4.0s		¶616058320
ISC	III	02 01 27 37.0–.72	20.40N–.03	120.26E–.04	19–2	4.6b,3.4s	154	2-115
BJI	III	02 01 27 34.0–.00	20.43N	120.16E	6	4.6b,4.3b		¶610243174
NEIC	III	02 01 27 35.9–1.0	20.39N–.08	120.3E–.10	10–1	4.7b,4.3b		
MAN	III	02 01 27 37.5	20.39N	120.33E	88	5.1b,4.1s		
IDC	III	02 01 27 41.3–4.1	20.36N	120.20E	54–37	4.3,4.1b		
ISC		Event type se.						
NEIC		Event type se. Error ellipse: s-maj=18.4km s-min=13.3km az=278.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.						
IDC		Error ellipse: s-maj=19.0km s-min=12.2km az=69.0.						
ISC	III	03 04 01 41.5–.87	5.54N–.04	127.16E–.07	97–7	4.7b	136	2-123
MAN	III	03 04 01 39.7	5.47N	127.19E	99	5.4b,4.6s		¶610244549
BJI	III	03 04 01 41.0–.00	5.60N	127.20E	100	4.9b,4.7b		
IDC	III	03 04 01 42.3–2.0	5.57N	127.20E	104–14	4.5,4.2b		
DJA	III	03 04 01 42.7–.40	6N–3.0	127E–3.0	99–5	5.1b,4.8		
NEIC	III	03 04 01 43.8–1.2	5.52N–.08	127.01E–.06	111–8	4.7b,4.8		
ISC		Event type se.						
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.						
ISC	III	03 21 40 10.7–2.4	10.42N–.03	126.46E–.06	12–15	3.4b	41	1-86
IDC	III	03 21 40 10.6–1.7	9.89N	125.29E	0	3.4,3.4b		¶610545478
MAN	III	03 21 40 12.9	10.33N	126.39E	1	4.6b,3.5L		
ISC		Event type ke.						
IDC		Error ellipse: s-maj=193.0km s-min=23.5km az=69.0.						
ISC	III	04 03 36 31.6–.83	10.47N–.03	126.86E–.05	13–5	4.5b	139	1-146
IDC	III	04 03 36 29.9–.48	10.39N	126.67E	0	4.3,4.3b		¶610470909
MAN	III	04 03 36 33.4	10.58N	126.78E	21	5.1b,4.1s		
NEIC	III	04 03 36 34.4–1.5	10.46N–.07	126.8E–.10	30–5	4.8b,4.1s		
ISC		Event type se.						
NEIC		Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.						
ISC	III	04 03 51 15.0–1.6	10.4N–.20	126.9E–.10	20	4.1b	14	1-121
IDC	III	04 03 51 10.3–2.8	10.03N	126.89E	0	4.1,4.1b		¶610545489
MAN	III	04 03 51 16.7	9.00N	126.49E	25	4.4b,3.2L		
ISC		Event type ke.						
IDC		Error ellipse: s-maj=104.9km s-min=59.7km az=82.0.						
ISC	III	04 04 49 32.0–1.1	10.4N–.10	126.91E–.10	20	3.8b	14	1-146
IDC	III	04 04 49 28.8–1.6	10.31N	126.94E	0	3.7,3.7b		¶610545495
MAN	III	04 04 49 34.2	10.43N	126.60E	1	4.1b,2.8L		
ISC		Event type ke.						
IDC		Error ellipse: s-maj=153.6km s-min=23.9km az=67.0.						
MAN	III	04 22 08 04.2	15.24N	122.84E	20	4.2b,3.0L		¶616058396
ISC	III	05 03 30 09.9–1.0	20.3N–.10	120.2E–.10	25	3.5b	12	2-87
IDC	III	05 03 30 06.2–.98	20.24N	119.96E	0	3.6,3.6b		¶610545567
MAN	III	05 03 30 09.9	20.35N	120.22E	32	4.4b,3.2L		
ISC		Event type ke.						
IDC		Error ellipse: s-maj=34.5km s-min=19.3km az=72.0.						
ISC	III	06 12 56 47.8–1.3	11.23N–.06	126.8E–.10	35	3.4b	14	2-56
IDC	III	06 12 56 45.4–3.6	10.59N	125.47E	0	3.6s,3.3		¶610545661
MAN	III	06 12 56 46.1	11.31N	126.76E	28	4.3b,3.1L		
ISC		Event type ke.						
IDC		Error ellipse: s-maj=334.8km s-min=23.1km az=66.0.						
ISC	III	12 03 32 25.4–.98	20.91N–.03	122.13E–.08	166–7	2.9b	123	0-46
IDC	III	12 03 32 09.7–6.5	20.20N	121.16E	0	3.1,3.1b		¶610546055
TAP	III	12 03 32 27.8	21.06N	122.22E	154–0	3.7L,3.1b		
MAN	III	12 03 32 28.0	20.79N	122.07E	146	4.1b,2.8L		
ISC		Event type ke.						
IDC		Error ellipse: s-maj=563.4km s-min=30.1km az=61.0.						
TAP		D.						
MAN	III	13 14 32 15.5	13.20N	119.89E	48	4.2b,3.0L		¶616058583
MAN	III	15 01 37 46.4	19.62N	121.29E	26	4.9b,3.8L		¶616058606
ISC	III	15 03 43 10.5–1.3	6.36N–.06	127.34E–.09	49–13	4.0b,3.5s	33	2-123
MAN	III	15 03 43 07.3	6.51N	127.49E	15	4.7b,3.6L		¶610546233
IDC	III	15 03 43 10.9–2.6	6.36N	127.20E	53–24	4.1L,3.9		
ISC		Event type ke.						
IDC		Error ellipse: s-maj=33.6km s-min=13.6km az=65.0.						
ISC	III	15 13 50 04.4–1.1	15.69N–.03	122.07E–.04	16–9	3.3b	30	0-45
IDC	III	15 13 50 01.8–2.1	15.61N	122.13E	0	3.4,3.3b		¶610546251
MAN	III	15 13 50 05.6	15.65N	122.00E	7	4.7b,3.6L		
ISC		Event type ke.						
IDC		Error ellipse: s-maj=84.6km s-min=25.3km az=53.0.						
ISC	III	16 17 16 43.3–.31	5.02N–.04	127.71E–.05	80	4.7b	261	2-123

BJI III 16 17 16 39.5–.00 4.60N 127.90E 88 5.0b,4.7b ¶610330752
MAN III 16 17 16 43.9 5.37N 127.76E 59 5.5b,4.8s
IDC III 16 17 16 43.4–1.2 5.00N 127.62E 80–10 4.4,4.1b
NEIC III 16 17 16 44.4–1.5 5.06N–.05 127.74E–.09 83–8 4.9b,4.1b
DJA III 16 17 16 45.2–.30 5N–2.0 128E–2.0 88–3 5.2b,4.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN III 16 22 50 21.2 10.32N 126.11E 36 3.9b,2.6L ¶616058641
ISC III 21 07 20 35.5–.75 19.89N–.08 120.8E–.10 34 4.0b 13 1-87
IDC III 21 07 20 30.4–.86 19.87N 120.82E 0 3.9,3.9b ¶610543388
MAN III 21 07 20 35.2 19.86N 120.78E 30 4.1b,2.9L
ISC Event type ke.
IDC Error ellipse: s-maj=41.2km s-min=17.6km az=63.0.
ISC III 23 06 12 42.7–.80 19.27N–.04 122.22E–.09 103–7 3.6b 34 1-87
IDC III 23 06 12 41.1–4.5 19.11N 122.14E 91–42 3.9,3.6b ¶610543511
ISC Event type ke.
IDC Error ellipse: s-maj=40.1km s-min=14.4km az=75.0.
ISC III 23 20 15 15.1–1.5 5.22N–.09 127.2E–.10 100 3.8b 16 2-61
IDC III 23 20 15 03.5–1.9 5.05N 126.62E 0 3.8,3.8b ¶610543565
MAN III 23 20 15 22.7 5.56N 126.80E 99 4.4b,3.2L
ISC Event type ke.
IDC Error ellipse: s-maj=197.9km s-min=24.7km az=66.0.
IDC III 27 07 10 57.0–2.8 6.41N 127.21E 0 3.6,3.6b ¶610543784
IDC Error ellipse: s-maj=215.7km s-min=27.1km az=66.0.
ISC III 27 19 07 38.2–1.4 19.21N–.04 121.09E–.05 9–10 3.2b 26 0-88
IDC III 27 19 07 35.4–1.2 19.18N 122.12E 0 3.4L,3.3 ¶610543811
MAN III 27 19 07 38.4 19.19N 120.99E 5 4.6b,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=65.2km s-min=22.6km az=79.0.
MAN III 27 20 56 02.2 19.12N 121.49E 25 3.9b,2.6L ¶616058855
MAN III 28 12 06 40.5 19.12N 121.29E 8 4.4b,3.2L ¶616058868
ISC III 30 14 35 30.1–1.4 5.0N–.20 127.7E–.20 10 3.2b 6 3-57
IDC III 30 14 35 30.1–2.0 4.53N 126.66E 0 3.3,3.3b ¶610543996
MAN III 30 14 36 07.4 8.24N 126.23E 106 4.4b,3.2L
ISC Event type ke.
IDC Error ellipse: s-maj=156.7km s-min=25.1km az=66.0.
ISC III 31 10 52 47.9–2.9 19.77N–.03 120.17E–.04 16–18 4.7b,3.6s 259 1-176
IDC III 31 10 52 45.1–.49 19.79N 120.31E 0 4.2,4.2b ¶610465778
NEIC III 31 10 52 47.8–2.1 19.84N–.05 120.12E–.03 10–1 4.8b,4.2b
MAN III 31 10 52 48.5 19.71N 120.25E 21 5.3b,4.4s
BJI III 31 10 52 51.8–.00 20.23N 119.83E 10 4.7b,4.5b
ISC Event type se.
IDC Error ellipse: s-maj=17.0km s-min=12.2km az=75.0.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=2.8km az=210.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 03 02 18 10.7–.00 19.6N–.20 120.4E–.30 23 3.7b 9 1-87
IDC IV 03 02 18 07.5–1.0 19.64N 120.35E 0 3.6,3.6b ¶610651788
ISC Event type ke.
IDC Error ellipse: s-maj=70.8km s-min=21.3km az=66.0.
ISC IV 03 20 38 44.7–.73 20.37N–.04 121.43E–.07 43 3.5b 36 1-86
IDC IV 03 20 38 38.7–.89 20.19N 121.38E 0 3.7,3.7b ¶610651871
MAN IV 03 20 38 42.5 20.37N 121.37E 30 4.6b,3.5L
JMA IV 03 20 38 44.7–.43 21N–2.0 122E–2.0 30 4.0,3.5L
ISC Event type ke.
JMA Event type ke. PHILIPPINE ISL REGION .
ISC IV 04 05 48 17.5–.83 8.54N–.05 127.18E–.06 10 3.7b 21 1-88
MAN IV 04 05 48 10.2 8.11N 127.69E 5 4.8b,3.7L ¶610651893
IDC IV 04 05 48 15.9–.96 8.60N 127.30E 0 4.2L,3.9
ISC Event type ke.
IDC Error ellipse: s-maj=35.2km s-min=18.0km az=71.0.
ISC IV 05 13 54 07.8–1.4 13.06N–.09 125.53E–.10 28 3.4b 11 1-49
IDC IV 05 13 54 03.7–4.2 13.03N 125.86E 0 3.3,3.3b ¶610652016
MAN IV 05 13 54 06.7 13.10N 125.45E 10 4.4b,3.3L
ISC Event type ke.
IDC Error ellipse: s-maj=325.2km s-min=26.7km az=65.0.
ISC IV 06 02 25 23.7–1.0 6.22N–.08 127.56E–.08 10 4.1b 16 2-123
IDC IV 06 02 25 22.2–2.4 6.20N 127.71E 0 3.9,3.9b ¶610652041
ISC Event type ke.
IDC Error ellipse: s-maj=265.6km s-min=18.7km az=68.0.
ISC IV 08 05 04 39.6–.63 12.76N–.04 126.02E–.07 36–2 4.5b,3.1s 92 1-149
DJA IV 08 05 04 31.1–1.4 13N–15 126E–10 10 5.7b,5.2 ¶610652203
IDC IV 08 05 04 33.6–.57 12.68N 126.10E 0 4.8L,4.1
MAN IV 08 05 04 38.5 12.72N 125.89E 20 4.9b,3.8L
NEIC IV 08 05 04 43.5–1.8 12.72N–.08 126.0E–.10 65–4 4.6b,3.8L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 08 10 04 07.4–1.1 6.33N–.07 127.02E–.10 100 3.5b 17 1-56
MAN IV 08 10 04 09.6 6.45N 126.88E 93 4.2b,3.0L ¶610652218
IDC IV 08 10 04 13.0–.94 6.04N 125.99E 143–12 3.6,3.2b
ISC Event type ke.
IDC Error ellipse: s-maj=161.8km s-min=20.5km az=67.0.
ISC IV 08 12 06 31.9–1.2 12.72N–.07 126.04E–.09 10 3.6b 15 1-54
IDC IV 08 12 06 30.9–1.6 12.64N 125.99E 0 3.5,3.5b ¶610652224
ISC Event type ke.
IDC Error ellipse: s-maj=75.7km s-min=20.6km az=59.0.
ISC IV 08 14 50 13.3–2.0 12.70N–.05 126.04E–.06 30–15 3.9b,3.0s 38 1-82
IDC IV 08 14 50 09.1–.80 12.64N 125.95E 0 4.2L,4.0 ¶610652234
MAN IV 08 14 50 10.8 12.82N 126.05E 50 4.8b,3.7L
ISC Event type ke.
IDC Error ellipse: s-maj=32.5km s-min=15.1km az=77.0.
ISC IV 09 00 04 09.0–1.4 6.2N–.10 127.8E–.10 10 3.2b 9 2-56
IDC IV 09 00 04 12.4–1.3 4.82N 125.11E 0 4.1L,3.6 ¶610652266
ISC Event type ke.
IDC Error ellipse: s-maj=58.1km s-min=20.0km az=80.0.
ISC IV 09 05 50 38.8–.54 5.56N–.06 127.47E–.08 10 4.4b,3.2s 49 2-98
NEIC IV 09 05 50 39.1–1.0 5.58N–.08 127.49E–.08 10–1 4.5b,3.2s ¶610652280
MAN IV 09 05 50 42.1 5.70N 127.43E 5 5.0b,4.0L
IDC IV 09 05 50 45.8–2.6 5.61N 127.37E 68–25 4.0,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.2km s-min=12.8km az=358.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=30.7km s-min=13.6km az=72.0.
ISC IV 09 07 37 34.0–.58 5.68N–.05 127.16E–.08 10 4.3b,3.1s 44 2-97
NEIC IV 09 07 37 34.5–.78 5.73N–.06 127.2E–.10 10–1 4.4b,3.1s ¶610652286
IDC IV 09 07 37 38.7–2.7 5.84N 127.46E 47–24 4.2L,4.1
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.9km s-min=5.7km az=62.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=40.6km s-min=14.5km az=60.0.
MAN IV 09 15 15 31.5 10.36N 126.21E 18 4.0b,2.8L ¶616498600
ISC IV 09 16 31 53.6–1.3 6.02N–.09 127.52E–.10 10 3.3b 11 2-56
IDC IV 09 16 31 56.0–2.4 4.88N 125.17E 0 3.4,3.4b ¶610652311
ISC Event type ke.
IDC Error ellipse: s-maj=231.2km s-min=27.2km az=65.0.
ISC IV 10 10 38 53.7–.28 5.72N–.03 127.21E–.03 63–1 5.5b 1166 2-167
MAN IV 10 10 38 45.7 5.53N 127.51E 15 6.1b,5.7s ¶610524858
NEIC IV 10 10 38 47.9–1.9 5.68N–.06 127.20E–.07 13–1 5.8,5.8
NEIC IV 10 10 38 48.8 5.53N 127.46E 24 5.8,5.8
NEIC IV 10 10 38 48.8 5.73N 127.25E 24 5.8,5.8
MOS IV 10 10 38 49.4–1.0 5.82N 127.13E 39 5.9b,5.5s
BJI IV 10 10 38 50.6–.00 5.72N 127.37E 64 5.8s,5.7
IDC IV 10 10 38 50.8–1.1 5.75N 127.16E 38–8 5.5s,5.1
GCMT IV 10 10 38 51.9–.10 5.62N–.01 127.40E–.01 30–0 5.9W,5.1
KLM IV 10 10 38 52 5.79N 127.53E 65 5.8b,5.1
NEIC IV 10 10 38 52 5.72N 127.24E 39 5.8b,5.1
DJA IV 10 10 38 53.8–.30 6N–2.0 127E–2.0 70–2 6.0b,6.0
ISC Event type fe. Moment Tensor Solution. NP1:φs138.71100°,δ40.71837°,λ65.86037°. NP2: φs349.30631°,δ53.46632°,λ109.39160°. Principal axes: T Plg73.1114°,Azm313.2213° ; N Plg15.4729°,Azm157.4719°; P Plg6.6034°,Azm65.6355° Moment Tensor Solution. NP1: φs40.79001°,δ74.52291°,λ94.17838°. NP2:φs205.47936°,δ16.01787°,λ75.25739°. Principal axes: T Plg60.2672°,Azm316.7528°; N Plg4.0266°,Azm219.6732°; P Plg29.4037° ,Azm127.3996°
MAN Event type fe. INTENSITY I - ALABEL SARANGANI; INTENSITY II - GOVERNOR GENEROSO AND TARRAGONA DAVAO ORIENTAL.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; Mrr4.75 Mθθ0.07 Mφφ-4.82 Mrθ1.47 Mθφ0.03 Mφr3.49 NP1:φs166.95000°,δ28.17000°,λ66.27000°. NP2:φs13.46000°,δ64.39000° ,λ102.16000°. Principal axes: T 6.2086,Plg68.0000°,Azm307.0000°; N -0.2206,Plg11.0000° ,Azm188.0000°; P -5.9881,Plg19.0000°,Azm94.0000° M0 6.10000×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 4s3 Moment tensor: Scale 10^{17}Nm; Mrr5.39 Mθθ0.97 Mφφ-6.36 Mrθ2.04 Mθφ0.43 Mφr3.47 NP1:φs15.68000°,δ62.73000° ,λ110.29000°. NP2:φs156.77000°,δ33.52000°,λ56.06000°. Principal axes: T 7.0516,Plg66.0000°,Azm323.0000°; N 0.2604,Plg18.0000°,Azm186.0000° ; P -7.3120,Plg15.0000°,Azm91.0000° M0 7.18000×10^{17}
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s154,c321; s161,c472; Duration: 2s2 Moment tensor: Scale 10^{18}Nm; Mrr0.68±.01 Mθθ0.12±.01; Mφφ-0.80±.01; Mrθ0.21±.01; Mθφ-0.06±.00; Mφr0.42±.01; Best double couple: NP1:φs17.00000°,δ62.00000° ,λ104.00000°. NP2:φs169.00000°,δ31.00000°,λ65.00000°. Principal axes: T 0.8390,Plg70.0000°,Azm317.0000°; N 0.0870,Plg13.0000°,Azm190.0000° ; P -0.9260,Plg15.0000°,Azm96.0000° M0 0.88200×10^{18}
NEIC Event type se.
ISC IV 10 10 44 30.8–1.7 5.4N–.20 127.3E–.30 10 4.2b 5 2-59
IDC IV 10 10 44 30.7–2.0 5.35N 126.35E 0 4.2,4.2b ¶610652374
MAN IV 10 10 44 30.7 5.27N 127.30E 8 4.7b,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=200.7km s-min=28.5km az=66.0.
ISC IV 10 11 08 17.1–.36 5.66N–.03 127.14E–.05 56–2 5.2b,4.6s 752 2-177
NEIC IV 10 11 08 11.8–1.8 5.72N–.06 127.25E–.08 10–1 5.2b,5.1 ¶610524857
BJI IV 10 11 08 12.6–.00 5.34N 127.47E 69 5.8b,5.1b
MOS IV 10 11 08 13.2–1.0 5.80N 127.14E 38 5.5b,5.1b
IDC IV 10 11 08 14.9–1.3 5.73N 127.10E 38–10 4.8,4.6s
MAN IV 10 11 08 15.5 5.76N 127.32E 54 5.7b,5.1s
GCMT IV 10 11 08 16.9–.30 5.64N–.02 127.39E–.02 32–1 5.2W,5.1s
NEIC IV 10 11 08 16.4 5.82N 127.22E 30 5.2W,5.1s
NEIC IV 10 11 08 16.4 5.72N 127.22E 30 5.2W,5.1s
DJA IV 10 11 08 19.2–.30 6N–2.0 127E–2.0 65–3 6.2,6.2
ISC Event type se. Moment Tensor Solution. NP1:φs215.53864°,δ14.25034°,λ118.50372°. NP2: φs6.27760°,δ77.50695°,λ83.08943°. Principal axes: T Plg56.9622°,Azm267.2997° ; N Plg6.7462°,Azm7.7794°; P Plg32.1668°,Azm102.0459° Moment Tensor Solution. NP1: φs208.05411°,δ86.31234°,λ-133.41295°. NP2:φs114.16496°,δ43.53820°,λ-5.35756°. Principal axes: T Plg27.8471°,Azm331.3941°; N Plg43.3008°,Azm211.5362°; P Plg33.9226° ,Azm82.2058°
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s44,c52; s79,c120;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr5.67±.36 Mθθ1.26±.22; Mφφ-6.93±.23; Mrθ1.46±.27; Mθφ-0.84±.16; Mφr2.95±.29; Best double couple: NP1:φs17.00000°,δ59.00000°,λ103.00000°. NP2:φs172.00000°,δ33.00000°,λ69.00000°. Principal axes: T 6.6190,Plg73.0000° ,Azm320.0000°; N 1.1130,Plg11.0000°,Azm190.0000°; P -7.7330,Plg13.0000°,Azm98.0000° M0 7.17600×10^{16}
NEIC Event type se. Moment Tensor Solution.Duration: 1s9 Moment tensor: Scale 10^{16}Nm; Mrr4.10 Mθθ1.78 Mφφ-5.88 Mrθ1.73 Mθφ0.98 Mφr2.48 NP1:φs17.38000°,δ62.62000° ,λ120.43000°. NP2:φs145.43000°,δ40.03000°,λ45.63000°. Principal axes: T 5.6350,Plg60.0000°,Azm333.0000°; N 0.8722,Plg27.0000°,Azm182.0000° ; P -6.5072,Plg12.0000°,Azm86.0000° M0 6.07000×10^{16}
NEIC Event type se.
ISC IV 10 11 22 34.1–.49 5.77N–.04 127.15E–.05 10 4.5b 63 2-90
NEIC IV 10 11 22 35.2–1.3 5.79N–.07 127.11E–.10 10–1 4.6b ¶610652376
MAN IV 10 11 22 37.3 5.59N 127.36E 39 4.8b,3.8L
IDC IV 10 11 22 37.5–3.5 5.69N 127.06E 39–30 4.1,4.0s
DJA IV 10 11 22 39.1–1.5 6N–4.0 127E–4.0 15–11 5.2b,4.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 10 12 56 41.3–1.7 5.80N–.05 127.27E–.06 20–6 4.0b 33 2-91
IDC IV 10 12 56 38.0–.72 5.68N 127.09E 0 3.9,3.9b ¶610652382
DJA IV 10 12 56 41.8–.60 6N–4.0 127E–4.0 41–43 4.9,4.9b
MAN IV 10 12 56 43.0 5.87N 129.29E 5 5.2b,4.2s
ISC Event type ke.
IDC Error ellipse: s-maj=40.4km s-min=15.2km az=72.0.
ISC IV 10 14 16 59.3–.37 5.62N–.04 127.29E–.06 53 4.5b,3.8s 116 2-123
MAN IV 10 14 16 53.3 5.31N 127.60E 89 5.6b,4.9s ¶610525134
NEIC IV 10 14 16 54.8–2.8 5.65N–.07 127.30E–.10 10–1 4.6b,4.9s
IDC IV 10 14 17 01.2–1.9 5.63N 127.39E 80–17 4.1,3.7s
DJA IV 10 14 17 01.1–.50 6N–3.0 127E–3.0 62–4 5.0b,4.8
ISC Event type se. Moment Tensor Solution. NP1:φs132.24925°,δ26.47641°,λ13.39394°. NP2: φs30.21689°,δ84.07226°,λ115.85114°. Principal axes: T Plg44.9080°,Azm326.0235° ; N Plg25.7028°,Azm207.3523°; P Plg34.0501°,Azm98.3702°
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 10 14 26 11.0–2.0 5.73N–.05 127.22E–.07 17–12 4.2b 58 2-123
NEIC IV 10 14 26 08.7–1.4 5.4N–.10 127.3E–.10 10–2 4.6b ¶610652388
MAN IV 10 14 26 14.2 5.65N 127.18E 2 4.4b,3.3L
DJA IV 10 14 26 18.3–.60 6N–4.0 127E–5.0 70–9 5.0b,4.5
IDC IV 10 14 26 18.1–1.9 5.70N 127.28E 80–16 4.1,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.6km s-min=19.0km az=209.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=19.6km s-min=11.8km az=71.0.
ISC IV 10 14 31 35.5–1.0 5.67N–.04 127.31E–.08 58–9 4.4b,3.2s 73 2-123
NEIC IV 10 14 31 30.7–2.0 5.74N–.07 127.2E–.10 10–1 4.5b,3.2s ¶610525135
MAN IV 10 14 31 30.9 5.68N 127.55E 13 5.1b,4.2s
IDC IV 10 14 31 38.0–2.1 5.63N 127.40E 85–20 4.1,3.7b
DJA IV 10 14 31 40.4–.60 6N–4.0 127E–5.0 60–10 5.0b,4.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN IV 10 14 35 09.4 5.78N 127.26E 1 4.4b,3.2L ¶616498629
ISC IV 10 15 28 17.6–1.0 5.49N–.09 127.4E–.10 50 3.8b 17 2-66
MAN IV 10 15 28 15.1 5.44N 127.30E 5 4.7b,3.6L ¶610652391
IDC IV 10 15 28 22.9–4.7 5.55N 127.10E 100–37 3.7,3.4b
ISC Event type ke.
IDC Error ellipse: s-maj=124.3km s-min=14.8km az=64.0.
ISC IV 10 15 31 47.7–1.4 5.8N–.20 127.4E–.20 10 3.3b 7 2-66
IDC IV 10 15 31 46.1–2.6 5.80N 127.38E 0 3.4,3.4b ¶610652392
ISC Event type ke.
IDC Error ellipse: s-maj=227.4km s-min=24.7km az=67.0.
ISC IV 10 16 06 43.8–.58 5.62N–.05 127.55E–.08 53 3.9b 48 2-83
NEIC IV 10 16 06 33.3–.89 5.1N–.10 128.0E–.10 10–2 4.3b ¶610652395
MAN IV 10 16 06 41.0 5.46N 127.41E 12 4.9b,3.8L
DJA IV 10 16 06 42.6–.60 6N–3.0 127E–6.0 10 4.6b,4.4
IDC IV 10 16 06 43.8–1.9 5.63N 127.51E 49–18 4.5L,3.8
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.3km s-min=17.1km az=83.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC Error ellipse: s-maj=21.6km s-min=13.7km az=67.0.
MAN IV 10 18 57 14.6 5.78N 127.46E 27 4.9b,3.8L
¶616498640
MAN IV 10 21 29 54.2 13.82N 119.92E 147 3.8b,2.6L
¶616498649
ISC IV 10 21 30 55.1–1.9 5.67N–.05 127.48E–.08 32–12 4.2b,3.0s 73 2-123
NEIC IV 10 21 30 52.7–1.9 5.57N–.08 127.5E–.10 10–1 4.5b,3.0s ¶610652409
IDC IV 10 21 30 59.0–2.6 5.67N 127.39E 60–21 4.5L,4.1
DJA IV 10 21 30 59.1–1.5 6N–4.0 127E–4.0 25–15 5.1b,4.5
MAN IV 10 21 30 59.0 5.75N 127.34E 29 4.8b,3.7L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.5km s-min=11.1km az=66.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=41.1km s-min=12.7km az=64.0.
ISC IV 11 02 44 31.8–.31 5.78N–.04 127.27E–.05 52 4.8b,4.5s 320 2-162
MOS IV 11 02 44 25.4–1.1 5.77N 127.11E 14 5.0b,4.5s ¶610526211
NEIC IV 11 02 44 26.7–1.9 5.76N–.05 127.30E–.05 10–1 5.0b,4.5s
BJI IV 11 02 44 28.3–.00 5.39N 127.48E 64 4.9b,4.8b
GCMT IV 11 02 44 29.7–.40 5.55N–.03 127.63E–.03 27–1 5.0W,4.8b
MAN IV 11 02 44 32.7 5.93N 127.36E 36 5.2b,4.4s
IDC IV 11 02 44 32.0–1.9 5.69N 127.40E 64–16 4.4,4.1b
DJA IV 11 02 44 35.2–.30 6N–2.0 127E–2.0 51–3 5.7,5.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s40,c50; s52,c66;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.69±.20 $M_{\theta\theta}$0.18±.12; $M_{\phi\phi}$-2.87±.14; $M_{r\theta}$-1.31±.32; $M_{\theta\phi}$-0.59±.12; $M_{\phi r}$2.67±.31; Best double couple: NP1:ϕ_s346.00000°,δ69.00000°,λ70.00000°. NP2:ϕ_s211.00000°,δ28.00000°,λ131.00000°. Principal axes: T 4.2680,Plg61.0000° ,Azm227.0000°; N -0.3210,Plg18.0000°,Azm353.0000°; P -3.9450,Plg22.0000° ,Azm91.0000° $M_0$4.10700×10^{16}
ISC IV 11 02 50 43.3–.41 5.67N–.03 127.40E–.04 50–3 5.1b,4.5s 834 2-160
MOS IV 11 02 50 37.1–.87 5.76N 127.14E 11 5.5b,4.4s ¶610526212
MAN IV 11 02 50 39.0 5.58N 127.70E 34 5.5b,4.8s
NEIC IV 11 02 50 39.0–1.4 5.66N–.06 127.32E–.07 10–1 5.2b,5.0
BJI IV 11 02 50 41.1–.00 5.49N 127.51E 65 5.1b,5.1b
IDC IV 11 02 50 42.5–1.3 5.59N 127.59E 43–10 4.8,4.5b
GCMT IV 11 02 50 43.0–.20 5.48N–.02 127.57E–.01 32–0 5.1W,4.5b
NEIC IV 11 02 50 44.8 5.71N 127.29E 26 5.1W,4.5b
NEIC IV 11 02 50 44.8 5.71N 127.29E 26 5.1W,4.5b
KLM IV 11 02 50 45 5.77N 127.52E 64 5.2b,4.5b
DJA IV 11 02 50 45.2–.40 6N–3.0 127E–2.0 60–3 5.5b,5.3
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s170.28847°,δ28.97681°,λ101.40480°. NP2: ϕ_s337.30368°,δ61.64782°,λ83.75077°. Principal axes: T Plg72.6279°,Azm232.3645° ; N Plg5.4971°,Azm340.2805°; P Plg16.4268°,Azm71.9064° Moment Tensor Solution. NP1: ϕ_s133.18398°,δ22.31775°,λ6.60549°. NP2:ϕ_s37.06939°,δ87.49637°,λ112.18401°. Principal axes: T Plg43.2378°,Azm328.5684°; N Plg22.1617°,Azm216.0489°; P Plg38.5539° ,Azm107.1065°
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s72,c89; s100,c130;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}4.94±.23 $M_{\theta\theta}$1.44±.15; $M_{\phi\phi}$-6.38±.17; $M_{r\theta}$-0.03±.22; $M_{\theta\phi}$-1.13±.13; $M_{\phi r}$2.56±.22; Best double couple: NP1:ϕ_s3.00000°,δ57.00000°,λ84.00000°. NP2:ϕ_s195.00000°,δ33.00000°,λ100.00000°. Principal axes: T 5.5100,Plg77.0000° ,Azm253.0000°; N 1.5630,Plg5.0000°,Azm6.0000°; P -7.0740,Plg12.0000°,Azm98.0000° $M_0$6.29200×10^{16}
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 1s7 Moment tensor: Scale 10^{16}Nm; M_{rr}2.65 $M_{\theta\theta}$1.36 $M_{\phi\phi}$-4.01 $M_{r\theta}$1.26 $M_{\theta\phi}$0.71 $M_{\phi r}$2.73 NP1:ϕ_s17.52000°,δ68.71000° ,λ117.07000°. NP2:ϕ_s142.92000°,δ33.93000°,λ40.58000°. Principal axes: T 4.3183,Plg58.0000°,Azm324.0000°; N 0.6803,Plg25.0000°,Azm187.0000° ; P -4.9985,Plg19.0000°,Azm88.0000° $M_0$4.66000×10^{16}
ISC IV 11 07 39 52.4–.68 5.70N–.06 127.41E–.09 35 4.3b 36 2-123
IDC IV 11 07 39 46.0–.91 5.93N 127.92E 0 4.6L,4.1 ¶610652438
NEIC IV 11 07 39 49.1–2.3 5.80N–.09 127.44E–.05 10–1 4.4b,4.1
MAN IV 11 07 39 53.1 6.05N 127.51E 90 4.7b,3.6L
ISC Event type se.
IDC Error ellipse: s-maj=53.0km s-min=15.7km az=63.0.
NEIC Event type se. Error ellipse: s-maj=15.8km s-min=8.4km az=167.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 11 10 42 27.8–.35 5.65N–.04 127.03E–.05 84 4.5b 159 2-123
MAN IV 11 10 42 15.6 5.39N 127.83E 86 4.8b,3.7L ¶610526691
IDC IV 11 10 42 24.8–2.6 5.79N 127.04E 46–25 4.3,4.1b
NEIC IV 11 10 42 24.6–1.8 5.65N–.05 126.89E–.04 49–7 4.5b,4.1b
DJA IV 11 10 42 26.9–.50 6N–3.0 127E–3.0 77–6 5.2b,4.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 11 11 05 31.0–2.5 5.67N–.05 127.49E–.07 14–15 4.3b 57 2-85
IDC IV 11 11 05 28.5–.82 5.67N 127.54E 0 3.8,3.8b ¶610652449
NEIC IV 11 11 05 30.6–1.5 5.62N–.07 127.4E–.10 10–1 4.4b,3.8b
MAN IV 11 11 05 34.1 5.88N 127.69E 33 4.8b,3.7L
ISC Event type se.
IDC Error ellipse: s-maj=37.6km s-min=16.6km az=74.0.
NEIC Event type se. Error ellipse: s-maj=17.2km s-min=11.1km az=73.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 11 11 22 46.9–.46 5.65N–.03 127.38E–.04 57–3 5.0b,4.8s 892 2-169
NEIC IV 11 11 22 40.8–2.1 5.66N–.06 127.29E–.07 10–1 5.3,5.1b ¶610526246
MOS IV 11 11 22 41.0–.94 5.64N 127.21E 24 5.4b,4.7s
BJI IV 11 11 22 42.6–.00 5.05N 127.60E 80 5.2b,5.0b
IDC IV 11 11 22 44.0–2.1 5.65N 127.18E 27–13 4.7s,4.7
NEIC IV 11 11 22 44.8 5.83N 127.67E 30 4.7s,4.7
NEIC IV 11 11 22 44.8 5.63N 127.27E 30 4.7s,4.7
GCMT IV 11 11 22 45.8–.10 5.54N–.01 127.58E–.01 28–0 5.3W,4.7
MAN IV 11 11 22 48.7 5.98N 127.38E 50 5.4b,4.5s
DJA IV 11 11 22 48.8–.40 6N–3.0 127E–2.0 65–3 5.4b,5.4
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s182.49484°,δ30.51830°,λ120.79795°. NP2: ϕ_s327.81448°,δ64.13828°,λ73.20522°. Principal axes: T Plg66.5762°,Azm206.8864° ; N Plg15.0705°,Azm335.3145°; P Plg17.5002°,Azm70.1849°
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution.Duration: 2s4 Moment tensor: Scale 10^{17}Nm; M_{rr}0.96 $M_{\theta\theta}$0.02 $M_{\phi\phi}$-0.98 $M_{r\theta}$-0.11 $M_{\theta\phi}$0.22 $M_{\phi r}$0.75 NP1:ϕ_s350.66000°,δ63.77000° ,λ92.23000°. NP2:ϕ_s165.62000°,δ26.32000°,λ85.48000°. Principal axes: T 1.2164,Plg71.0000°,Azm266.0000°; N 0.0628,Plg2.0000°,Azm170.0000° ; P -1.2793,Plg19.0000°,Azm79.0000° $M_0$1.25000×10^{17}
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s113,c163; s126,c201;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}1.02±.02 $M_{\theta\theta}$0.17±.02; $M_{\phi\phi}$-1.19±.02; $M_{r\theta}$0.11±.03; $M_{\theta\phi}$-0.01±.01; $M_{\phi r}$0.71±.04; Best double couple: NP1:ϕ_s6.00000°,δ62.00000°,λ95.00000°. NP2:ϕ_s174.00000°,δ29.00000°,λ80.00000°. Principal axes: T 1.2400,Plg73.0000° ,Azm289.0000°; N 0.1610,Plg5.0000°,Azm183.0000°; P -1.4020,Plg16.0000°,Azm92.0000° $M_0$1.32100×10^{17}
ISC IV 11 11 46 37.0–1.4 5.6N–.20 127.0E–.80 35 4.0b 8 3-90
IDC IV 11 11 46 33.7–1.6 4.93N 125.31E 0 3.9,3.9b ¶610652452
ISC Event type ke.
IDC Error ellipse: s-maj=191.8km s-min=21.0km az=66.0.
ISC IV 11 11 56 53.3–.65 5.73N–.06 127.50E–.06 10 4.2b 43 2-73
IDC IV 11 11 56 52.1–1.1 5.92N 127.68E 0 4.3L,4.0 ¶610652453
NEIC IV 11 11 56 53.9–1.7 5.76N–.06 127.45E–.04 10–1 4.3b,4.0
MAN IV 11 11 56 53.9 5.62N 127.77E 44 4.8b,3.7L
ISC Event type se.
IDC Error ellipse: s-maj=77.5km s-min=16.1km az=63.0.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=5.7km az=148.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 11 13 15 01.2–.51 5.72N–.05 127.48E–.07 35 4.4b,3.4s 82 2-85
IDC IV 11 13 14 56.0–.76 5.83N 127.52E 0 4.1,4.1b ¶610652461
NEIC IV 11 13 14 58.6–1.4 5.83N–.05 127.44E–.09 10–1 4.5b,4.1b
MAN IV 11 13 14 59.2 5.90N 127.54E 5 4.8b,3.7L
DJA IV 11 13 15 06.7–.40 6N–3.0 127E–4.0 55 5.2b,4.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 11 14 42 03.5–.47 5.67N–.05 127.32E–.06 10 4.4b 62 2-90
NEIC IV 11 14 42 03.9–.87 5.64N–.07 127.4E–.10 10–1 4.5b ¶610526698
IDC IV 11 14 42 08.3–4.8 5.71N 127.30E 43–48 4.7L,4.3
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=22.2km s-min=12.1km az=281.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=25.7km s-min=14.5km az=80.0.
ISC IV 11 14 42 19.0–.38 5.65N–.02 127.20E–.03 27–2 5.5b,5.5s 1355 2-171
MAN IV 11 14 41 52.4 5.12N 128.27E 15 5.6b,4.9s ¶610652465
NEIC IV 11 14 42 15.8 5.77N 127.53E 20 5.6b,4.9s
NEIC IV 11 14 42 15.8 5.67N 127.12E 20 5.6b,4.9s
MOS IV 11 14 42 15.0–1.0 5.72N 127.17E 13 5.8b,5.4s
BJI IV 11 14 42 16.5–.00 5.75N 127.20E 10 5.6b,5.6s
NEIC IV 11 14 42 16.5–1.5 5.71N–.07 127.10E–.08 12–1 5.7,5.6b
NEIC IV 11 14 42 16.6 5.68N 127.10E 13 5.7,5.6b
IDC IV 11 14 42 19.7–1.4 5.72N 127.28E 33–10 5.4s,5.1
GCMT IV 11 14 42 20.5–.10 5.57N–.01 127.58E–.01 24–0 5.7W,5.1
DJA IV 11 14 42 21.7–.30 6N–2.0 127E–2.0 51–3 5.9b,5.7
KLM IV 11 14 42 22 5.67N 127.60E 68 5.7b,5.7
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s89.58447°,δ19.87694°,λ-19.27943°. NP2: ϕ_s197.79326°,δ83.55439°,λ-108.84295°. Principal axes: T Plg35.8455°,Azm304.1573° ; N Plg18.7194°,Azm199.9872°; P Plg48.1042°,Azm87.7947°
NEIC Event type se. Moment Tensor Solution.Duration: 3s2 Moment tensor: Scale 10^{17}Nm; M_{rr}2.60 $M_{\theta\theta}$0.64 $M_{\phi\phi}$-3.24 $M_{r\theta}$0.73 $M_{\theta\phi}$0.55 $M_{\phi r}$3.42 NP1:ϕ_s8.38000°,δ70.73000°,λ103.77000°. NP2:ϕ_s151.77000°,δ23.53000°,λ55.74000°. Principal axes: T 4.3875,Plg62.0000° ,Azm299.0000°; N 0.4342,Plg13.0000°,Azm184.0000°; P -4.8217,Plg25.0000°,Azm88.0000° $M_0$4.60000×10^{17}
NEIC Event type se.
MOS Error ellipse: s-maj=7.7km s-min=4.0km az=112.5.
NEIC Event type se. Error ellipse: s-maj=13.8km s-min=11.4km az=234.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.84 $M_{\theta\theta}$-0.34 $M_{\phi\phi}$-1.50 $M_{r\theta}$0.88 $M_{\theta\phi}$0.65 $M_{\phi r}$2.08 NP1:ϕ_s8.14000°,δ71.56000°,λ109.11000°. NP2:ϕ_s140.54000°,δ26.31000° ,λ45.53000°. Principal axes: T 3.1688,Plg59.0000°,Azm305.0000°; N -0.6534,Plg18.0000° ,Azm182.0000°; P -2.5154,Plg24.0000°,Azm83.0000° $M_0$2.90000×10^{17}
NEIC Event type se.
IDC Error ellipse: s-maj=12.4km s-min=7.9km az=74.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s143,c263; s152,c286;Duration: 1s7 Moment tensor: Scale 10^{17}Nm; M_{rr}3.73±.05 $M_{\theta\theta}$0.38±.04; $M_{\phi\phi}$-4.11±.04; $M_{r\theta}$0.60±.06; $M_{\theta\phi}$0.05±.03; $M_{\phi r}$2.13±.07; Best double couple: NP1:ϕ_s8.00000°,δ60.00000°,λ99.00000°. NP2:ϕ_s170.00000°,δ31.00000°,λ75.00000°. Principal axes: T 4.3590,Plg74.0000° ,Azm301.0000°; N 0.2900,Plg8.0000°,Azm183.0000°; P -4.6530,Plg14.0000°,Azm91.0000° $M_0$4.50600×10^{17}
ISC IV 11 14 47 02.8–.47 5.78N–.05 127.36E–.05 10 4.9b 97 2-150
IDC IV 11 14 47 01.1–.62 5.74N 127.34E 0 4.5,4.5b ¶610652467
NEIC IV 11 14 47 03.8–1.8 5.78N–.09 127.29E–.10 10–1 5.0b,4.5b
MAN IV 11 14 47 14.3 6.04N 126.95E 10 4.8b,3.7L
ISC Event type se.
IDC Error ellipse: s-maj=26.2km s-min=13.6km az=81.0.
NEIC Event type se. Error ellipse: s-maj=17.3km s-min=13.7km az=55.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 11 14 50 33.9–1.2 5.7N–.20 127.2E–.30 10 4.4b 18 26-85
IDC IV 11 14 50 32.6–1.4 5.64N 127.06E 0 4.1,4.1b ¶610652468
NEIC IV 11 14 50 34.2–.88 5.7N–.30 127.2E–.30 10–2 4.3b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 11 14 53 49.3–.59 5.81N–.09 127.4E–.10 10 4.3b 42 2-97
MAN IV 11 14 53 47.4 5.69N 127.81E 2 4.5b,3.4L ¶610652470
IDC IV 11 14 53 47.9–.75 5.86N 127.46E 0 4.0,4.0b
NEIC IV 11 14 53 50.6–1.7 5.8N–.10 127.3E–.10 10–1 4.5b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 11 15 15 19.3–.79 5.61N–.05 127.52E–.08 10 4.2b 29 2-59
IDC IV 11 15 15 17.0–.94 5.50N 127.06E 0 4.1,4.1b ¶610652472
DJA IV 11 15 15 27.3–.50 5N–3.0 127E–4.0 46–18 5.7b,5.3
MAN IV 11 15 15 29.7 5.96N 127.06E 22 4.9b,3.8L
ISC Event type ke.
IDC Error ellipse: s-maj=56.4km s-min=17.5km az=76.0.
ISC IV 11 15 34 40.0–1.3 5.69N–.09 127.44E–.10 10 3.3b 11 2-56
IDC IV 11 15 34 38.6–2.7 5.62N 127.22E 0 3.5,3.5b ¶610652475
MAN IV 11 15 34 48.5 5.77N 127.21E 34 4.8b,3.7L
ISC Event type ke.
IDC Error ellipse: s-maj=217.7km s-min=26.2km az=66.0.
ISC IV 11 15 46 39.2–1.1 5.90N–.09 127.27E–.09 10 3.3b 8 2-56
IDC IV 11 15 46 39.7–2.3 5.58N 127.03E 0 3.5,3.5b ¶610652476
MAN IV 11 15 46 41.2 5.88N 127.87E 33 4.4b,3.2L
ISC Event type ke.
IDC Error ellipse: s-maj=199.1km s-min=24.0km az=65.0.
ISC IV 11 15 52 52.1–1.1 5.91N–.09 127.7E–.10 10 3.5b 10 2-56
IDC IV 11 15 52 52.7–2.2 5.51N 127.01E 0 3.7,3.7b ¶610652477
MAN IV 11 15 52 53.2 5.95N 127.69E 5 4.1b,2.9L
ISC Event type ke.
IDC Error ellipse: s-maj=195.9km s-min=23.3km az=65.0.
ISC IV 11 15 55 51.0–.28 5.72N–.04 127.36E–.05 35 4.8b,4.4s 442 2-123
MOS IV 11 15 55 45.7–.93 5.77N 127.26E 13 5.0b,4.4s ¶610526693
BJI IV 11 15 55 50.4–.00 5.72N 127.29E 44 5.2b,4.7b
NEIC IV 11 15 55 50.1–1.5 5.77N–.07 127.35E–.08 25–5 5.0b,4.7b
IDC IV 11 15 55 50.9–2.0 5.70N 127.40E 38–17 4.6L,4.4s
MAN IV 11 15 55 51.2 5.83N 127.55E 47 5.1b,4.2s
GCMT IV 11 15 55 53.1–.30 5.65N–.02 127.73E–.02 28–1 5.1W,4.2s
DJA IV 11 15 55 54.7–.50 6N–4.0 127E–3.0 71–4 5.2,5.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s45,c53; s88,c111;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}4.40±.25 $M_{\theta\theta}$0.37±.14; $M_{\phi\phi}$-4.77±.17; $M_{r\theta}$-0.78±.28; $M_{\theta\phi}$0.19±.10; $M_{\phi r}$3.16±.24; Best double couple: NP1:ϕ_s351.00000°,δ63.00000°,λ83.00000°. NP2:ϕ_s186.00000°,δ28.00000°,λ103.00000°. Principal axes: T 5.4770,Plg71.0000° ,Azm245.0000°; N 0.3090,Plg6.0000°,Azm354.0000°; P -5.7820,Plg17.0000°,Azm86.0000° $M_0$5.63000×10^{16}
ISC IV 11 17 14 01.3–1.6 5.9N–.10 127.5E–.20 10 3.1b 5 2-56
IDC IV 11 17 14 02.5–2.2 5.26N 126.12E 0 3.3,3.3b ¶610652483
ISC Event type ke.
IDC Error ellipse: s-maj=171.6km s-min=27.8km az=65.0.
ISC IV 11 17 41 23.8–.41 5.62N–.03 127.27E–.03 46–3 5.2b,4.6s 1031 2-167
BJI IV 11 17 41 17.7–.00 5.27N 127.46E 39 5.2b,5.2b ¶611832285
MOS IV 11 17 41 18.4–.89 5.76N 127.16E 17 5.5b,4.6s
NEIC IV 11 17 41 19.1–1.8 5.74N–.05 127.32E–.06 9–1 5.3b,5.2
NEIC IV 11 17 41 19.5 5.34N 127.29E 24 5.3b,5.2
NEIC IV 11 17 41 19.5 5.73N 127.28E 10 5.3b,5.2
NEIC IV 11 17 41 19.5 5.74N 127.29E 24 5.3b,5.2
MAN IV 11 17 41 22.4 5.79N 127.49E 31 5.6b,5.0s
IDC IV 11 17 41 22.5–1.6 5.66N 127.22E 35–11 5.1,4.9b

GCMT IV 11 17 41 24.1–.10 5.56N–.01 127.49E–.01 29–0 5.3W,4.9b
DJA IV 11 17 41 26.0–.30 6N–2.0 127E–2.0 66–3 5.6,5.5b
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s119.19597°,δ25.00392°,λ12.86857°. NP2: ϕ_s17.49859°,δ84.59833°,λ114.45020°. Principal axes: T Plg45.0239°,Azm311.9596° ; N Plg24.3346°,Azm195.0477°; P Plg35.0486°,Azm86.5518°
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}5.57 $M_{\theta\theta}$1.95 $M_{\phi\phi}$-7.51 $M_{r\theta}$0.30 $M_{\theta\phi}$1.54 $M_{\phi r}$4.07 NP1:ϕ_s157.61000°,δ30.84000°,λ69.72000°. NP2:ϕ_s0.90000°,δ61.26000° ,λ101.69000°. Principal axes: T 6.8376,Plg71.0000°,Azm297.0000°; N 2.0193,Plg10.0000° ,Azm175.0000°; P -8.8569,Plg15.0000°,Azm82.0000° $M_0$8.04000×10^{16}
NEIC Event type se. Moment Tensor Solution.Duration: 1s9 Moment tensor: Scale 10^{16}Nm; M_{rr}6.48 $M_{\theta\theta}$0.72 $M_{\phi\phi}$-7.20 $M_{r\theta}$2.70 $M_{\theta\phi}$0.67 $M_{\phi r}$0.52 NP1:ϕ_s15.71000°,δ50.22000° ,λ119.04000°. NP2:ϕ_s154.76000°,δ47.79000°,λ59.76000°. Principal axes: T 7.5829,Plg68.0000°,Azm352.0000°; N -0.3201,Plg22.0000°,Azm176.0000° ; P -7.2628,Plg1.0000°,Azm86.0000° $M_0$7.42000×10^{16}
NEIC Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s107,c164; s116,c200;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.77±.02 $M_{\theta\theta}$0.12±.01; $M_{\phi\phi}$-0.89±.01; $M_{r\theta}$0.08±.02; $M_{\theta\phi}$-0.01±.01; $M_{\phi r}$0.54±.03; Best double couple: NP1:ϕ_s5.00000°,δ62.00000°,λ95.00000°. NP2:ϕ_s175.00000°,δ29.00000°,λ81.00000°. Principal axes: T 0.9370,Plg73.0000° ,Azm287.0000°; N 0.1180,Plg4.0000°,Azm183.0000°; P -1.0550,Plg17.0000°,Azm92.0000° $M_0$0.99600×10^{17}
ISC IV 11 18 04 11.4–1.6 5.9N–.20 127.1E–.20 10 3.5b 5 2-60
IDC IV 11 18 04 09.6–2.7 5.96N 127.30E 0 3.7,3.7b **¶610652486**
ISC Event type ke.
IDC Error ellipse: s-maj=235.4km s-min=23.6km az=67.0.
ISC IV 11 18 08 56.9–.53 5.61N–.03 127.28E–.04 24–3 5.0b,4.1s 554 2-151
MAN IV 11 18 08 51.8 5.39N 127.86E 33 5.3b,4.5s **¶610526684**
MOS IV 11 18 08 53.3–.83 5.70N 127.19E 13 5.2b,4.5s
NEIC IV 11 18 08 55.4–1.2 5.75N–.06 127.28E–.08 10–1 5.1b,4.5s
IDC IV 11 18 08 59.1–2.2 5.61N 127.24E 39–19 4.6,4.4b
DJA IV 11 18 09 01.9–.40 6N–4.0 127E–2.0 68–3 7.4,7.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 11 18 53 04.2–1.2 6.13N–.08 127.4E–.10 10 3.9b 11 2-66
IDC IV 11 18 53 03.9–2.3 5.77N 126.48E 0 3.6,3.6b **¶610652488**
MAN IV 11 18 53 04.7 6.17N 127.57E 13 4.5b,3.4L
ISC Event type ke.
IDC Error ellipse: s-maj=222.9km s-min=22.3km az=66.0.
ISC IV 11 21 00 24.4–.46 5.83N–.04 127.35E–.07 52 4.4b 83 2-123
DJA IV 11 21 00 18.6–.60 6N–4.0 128E–5.0 10 4.9b,4.5 **¶610652496**
NEIC IV 11 21 00 19.8–1.3 5.89N–.07 127.32E–.09 10–1 4.5b,4.5
IDC IV 11 21 00 23.7–6.1 5.87N 127.20E 38–56 4.1,4.1L
MAN IV 11 21 00 25.7 6.24N 126.86E 147 4.6b,3.4L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.0km s-min=9.6km az=57.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=30.3km s-min=15.0km az=74.0.
ISC IV 11 21 06 18.9–.82 5.82N–.04 127.47E–.06 23–5 4.5b 115 2-123
MAN IV 11 21 06 13.9 5.34N 127.73E 118 4.7b,3.6L **¶610526846**
NEIC IV 11 21 06 17.5–1.7 5.87N–.07 127.40E–.08 10–1 4.6b,3.6L
IDC IV 11 21 06 20.6–3.7 5.86N 127.36E 33–28 4.1,3.9b
DJA IV 11 21 06 22.5–.70 6N–5.0 127E–6.0 59–9 5.0b,4.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 11 21 14 20.7–3.5 5.8N–.90 127E–2.0 10 3.0b 6 2-56
IDC IV 11 21 14 20.4–2.8 5.30N 126.53E 0 3.3,3.3b **¶610652498**
ISC Event type ke.
IDC Error ellipse: s-maj=247.2km s-min=27.0km az=66.0.
ISC IV 12 02 36 47.3–.83 5.27N–.04 127.48E–.06 12–4 4.5b,3.5s 101 2-123
NEIC IV 12 02 36 47.2–1.3 5.36N–.07 127.51E–.10 10–1 4.6b,3.5s **¶610526868**
MAN IV 12 02 36 51.8 5.68N 127.34E 2 4.8b,3.7L
IDC IV 12 02 36 55.1–2.9 5.71N 127.17E 50–27 4.1,3.8b
DJA IV 12 02 36 59.0–1.7 6N–6.0 127E–8.0 27–24 5.0,4.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 12 03 27 33.3–1.2 5.77N–.03 127.27E–.04 16–7 4.5b,3.7s 138 2-142
NEIC IV 12 03 27 33.3–2.0 5.73N–.07 127.15E–.09 10–1 4.6b,3.7s **¶610526863**
MAN IV 12 03 27 34.4 5.64N 127.28E 3 5.1b,4.1s
IDC IV 12 03 27 37.9–2.2 5.76N 127.12E 53–19 4.3,4.1b
DJA IV 12 03 27 37.0–1.9 6N–4.0 127E–3.0 28–18 5.3b,4.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 12 04 09 08.4–2.2 5.94N–.07 127.32E–.08 17–12 3.8b 17 1-64
IDC IV 12 04 09 06.5–2.4 5.90N 127.07E 0 3.8,3.8b **¶610652514**
MAN IV 12 04 09 09.6 5.95N 127.35E 10 4.7b,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=236.3km s-min=23.3km az=68.0.
ISC IV 12 07 11 53.4–1.1 5.90N–.06 127.43E–.07 10 3.6b 12 2-97
IDC IV 12 07 11 53.7–2.0 5.52N 126.92E 0 3.7,3.7b **¶610652528**
MAN IV 12 07 11 59.4 5.36N 127.05E 1 4.6b,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=168.1km s-min=23.3km az=65.0.
ISC IV 12 07 50 14.5–.64 5.83N–.06 127.55E–.07 10 4.4b 44 2-123
IDC IV 12 07 50 13.1–.74 5.85N 127.40E 0 4.1,4.1b **¶610652530**
MAN IV 12 07 50 17.8 5.93N 127.53E 25 5.1b,4.1s
NEIC IV 12 07 50 19.3–2.2 5.45N–.07 127.3E–.10 10–2 4.4b,4.1s
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 12 08 04 09.9–.61 5.83N–.03 127.46E–.05 54–5 4.6b,4.1s 177 2-123
MAN IV 12 08 04 03.0 5.60N 127.71E 67 5.1b,4.1s **¶610526856**
NEIC IV 12 08 04 04.7–3.3 5.81N–.06 127.42E–.08 10–1 4.8b,4.1s
IDC IV 12 08 04 06.2–2.6 5.71N 127.51E 29–17 4.8L,4.5
DJA IV 12 08 04 13.2–.50 6N–4.0 127E–4.0 52–10 5.1b,5.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IV 12 09 13 53.2–4.7 20.77N 121.04E 0 3.7,3.7b
¶610652540
IDC Error ellipse: s-maj=302.2km s-min=32.3km az=88.0.
ISC IV 12 11 27 41.2–1.0 5.83N–.07 127.49E–.07 10 3.5b 17 2-60
IDC IV 12 11 27 40.8–1.6 5.52N 126.65E 0 3.8,3.8b **¶610652551**
MAN IV 12 11 27 41.9 5.86N 127.53E 8 4.7b,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=150.4km s-min=19.2km az=66.0.
ISC IV 12 12 13 01.0–1.3 5.92N–.09 127.5E–.10 35 3.7b 13 2-60
MAN IV 12 12 12 56.3 5.98N 127.73E 56 4.6b,3.5L **¶610652553**
IDC IV 12 12 12 57.0–1.8 5.55N 126.34E 0 3.7,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=163.1km s-min=21.9km az=66.0.
ISC IV 12 16 58 28.5–1.1 5.66N–.09 127.75E–.09 10 3.4b 15 2-57
IDC IV 12 16 58 28.2–2.0 5.38N 126.83E 0 4.0s,3.6 **¶610652567**
MAN IV 12 16 58 28.6 5.60N 127.78E 22 4.9b,3.8L
ISC Event type ke.
IDC Error ellipse: s-maj=163.6km s-min=23.0km az=65.0.
ISC IV 12 18 32 44.5–1.3 5.76N–.04 127.32E–.05 32–6 4.3b,3.4s 106 2-94
NEIC IV 12 18 32 41.3–1.1 5.83N–.08 127.50E–.09 10–1 4.4b,3.4s **¶610527188**
MAN IV 12 18 32 42.5 5.53N 127.45E 52 5.0b,3.9L
IDC IV 12 18 32 45.3–2.7 5.83N 127.35E 39–22 4.3,4.1b
DJA IV 12 18 32 45.8–.40 6N–3.0 127E–3.0 47–4 5.6,5.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 12 23 56 50.0–.74 5.76N–.09 127.42E–.10 10 4.0b 25 2-84
IDC IV 12 23 56 49.9–1.0 5.77N 126.82E 0 3.8,3.8b **¶610652590**
NEIC IV 12 23 56 50.0–1.1 5.77N–.10 127.5E–.10 10–1 4.3b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 13 00 08 08.3–.45 5.83N–.04 127.36E–.05 10 4.7b,3.9s 98 2-123
MAN IV 13 00 07 59.9 5.36N 128.19E 30 4.4b,3.2L **¶610527230**
IDC IV 13 00 08 05.3–1.1 5.71N 127.48E 0 4.2,4.2b
NEIC IV 13 00 08 09.0–.83 5.89N–.07 127.3E–.10 10–1 4.6b,4.2b
DJA IV 13 00 08 17.0–.60 6N–5.0 127E–4.0 64–7 5.4b,4.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 13 00 10 09.0–2.0 5.9N–.10 127.6E–.10 35 4.2b 12 2-66
IDC IV 13 00 09 51.3–25 4.30N 128.40E 0 4.0,4.0b **¶610652595**
MAN IV 13 00 10 03.4 5.57N 127.82E 33 4.4b,3.2L
ISC Event type ke.
IDC Error ellipse: s-maj=595.2km s-min=201.7km az=122.0.
ISC IV 13 00 34 04.9–2.0 5.42N–.06 127.61E–.08 12–12 4.3b 45 2-123
IDC IV 13 00 34 05.8–.80 5.92N 127.45E 0 3.9,3.9b **¶610652596**
MAN IV 13 00 34 05.4 5.42N 127.77E 28 4.7b,3.6L
NEIC IV 13 00 34 09.3–1.2 5.79N–.07 127.22E–.07 18–6 4.4b,3.6L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 13 03 37 22.1–.79 5.81N–.05 127.45E–.09 39–4 4.4b 49 2-83
NEIC IV 13 03 37 19.2–1.6 5.74N–.05 127.4E–.10 10–1 4.6b **¶610652604**
IDC IV 13 03 37 24.3–3.5 5.75N 127.40E 64–33 4.0,4.0L
MAN IV 13 03 37 26.6 6.11N 127.17E 46 4.8b,3.7L
DJA IV 13 03 37 27.3–.50 6N–4.0 127E–5.0 73–17 4.4,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 13 10 11 28.9–1.7 5.67N–.04 127.46E–.08 29–11 3.5s,3.5b 27 2-97
IDC IV 13 10 11 23.9–.98 5.56N 127.40E 0 3.7,3.7b **¶610652628**
MAN IV 13 10 11 25.9 5.63N 127.78E 16 4.8b,3.7L
DJA IV 13 10 11 32.0–1.5 6N–4.0 127E–7.0 20–15 4.3,4.2
ISC Event type ke.
ISC IV 13 14 26 50.0–.98 5.87N–.07 127.50E–.07 10 4.0b 17 2-72
MAN IV 13 14 26 49.8 5.71N 127.78E 14 4.7b,3.6L **¶610652640**
IDC IV 13 14 27 01.2–2.6 5.26N 126.43E 90–26 3.8,3.7s
ISC Event type ke.
IDC Error ellipse: s-maj=93.8km s-min=14.5km az=66.0.
ISC IV 13 16 05 49.9–.45 5.62N–.03 127.28E–.03 33–1 5.2b,5.2s 631 2-163
MOS IV 13 16 05 44.2–.89 5.72N 127.25E 9 5.4b,5.1s **¶610527442**
NEIC IV 13 16 05 46.7 5.73N 127.33E 10 5.4b,5.1s
NEIC IV 13 16 05 46.7–1.8 5.73N–.05 127.30E–.07 10–1 5.5,5.5
NEIC IV 13 16 05 46.7 5.73N 127.31E 22 5.5,5.5
NEIC IV 13 16 05 46.7 5.63N 127.52E 22 5.5,5.5
MAN IV 13 16 05 47.2 5.63N 127.48E 9 5.8b,5.2s
KLM IV 13 16 05 51 5.77N 127.55E 30 5.5b,5.2s
DJA IV 13 16 05 51.1–.30 6N–2.0 127E–2.0 47–3 5.7,5.7b
IDC IV 13 16 05 51.3–1.1 5.65N 127.24E 51–9 5.0s,4.7
GCMT IV 13 16 05 53.7–.10 5.53N–.01 127.49E–.01 28–0 5.6W,4.7
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s348.84506°,δ69.95990°,λ66.17886°. NP2: ϕ_s221.02721°,δ30.74830°,λ137.91353°. Principal axes: T Plg58.2130°,Azm226.0144° ; N Plg22.2983°,Azm357.4481°; P Plg21.4318°,Azm96.7117°
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.43 $M_{\theta\theta}$0.41 $M_{\phi\phi}$-1.83 $M_{r\theta}$0.35 $M_{\theta\phi}$-0.04 $M_{\phi r}$1.25 NP1:ϕ_s166.82000°,δ27.53000°,λ67.56000°. NP2:ϕ_s11.79000°,δ64.71000° ,λ101.25000°. Principal axes: T 1.9150,Plg68.0000°,Azm304.0000°; N 0.3495,Plg10.0000° ,Azm187.0000°; P -2.2645,Plg19.0000°,Azm93.0000° $M_0$2.11000×10^{17}
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2s1.0 Moment tensor: Scale 10^{17}Nm; M_{rr}1.70 $M_{\theta\theta}$0.43 $M_{\phi\phi}$-2.13 $M_{r\theta}$0.49 $M_{\theta\phi}$0.27 $M_{\phi r}$1.04 NP1:ϕ_s11.74000°,δ61.22000° ,λ110.54000°. NP2:ϕ_s153.85000°,δ34.84000°,λ57.43000°. Principal axes: T 2.1367,Plg67.0000°,Azm321.0000°; N 0.2654,Plg18.0000°,Azm182.0000° ; P -2.4020,Plg14.0000°,Azm87.0000° $M_0$2.27000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s133,c217; s144,c256;Duration: 1s5 Moment tensor: Scale 10^{17}Nm; M_{rr}2.13±.04 $M_{\theta\theta}$0.52±.03; $M_{\phi\phi}$-2.64±.03; $M_{r\theta}$0.73±.06; $M_{\theta\phi}$0.08±.03; $M_{\phi r}$1.47±.07; Best double couple: NP1:ϕ_s16.00000°,δ63.00000°,λ109.00000°. NP2:ϕ_s159.00000°,δ32.00000°,λ58.00000°. Principal axes: T 2.7810,Plg67.0000° ,Azm320.0000°; N 0.2860,Plg17.0000°,Azm187.0000°; P -3.0610,Plg16.0000°,Azm92.0000° $M_0$2.92100×10^{17}
ISC IV 13 17 04 56.3–.82 5.64N–.04 127.37E–.05 18–4 4.8s,4.7b 132 2-150
BJI IV 13 17 04 51.6–.00 5.50N 127.39E 5 5.3b,4.7s **¶610527438**
MAN IV 13 17 04 52.7 5.63N 127.77E 33 5.3b,4.4s
NEIC IV 13 17 04 55.1–1.6 5.69N–.08 127.38E–.09 10–1 4.9b,4.4s
DJA IV 13 17 04 59.6–1.9 6N–6.0 127E–5.0 15–19 5.0b,4.9b
IDC IV 13 17 05 04.8–2.5 5.83N 127.22E 81–22 4.3,4.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.2km s-min=10.8km az=237.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=22.3km s-min=16.0km az=79.0.
MAN IV 13 19 49 15.1 5.55N 127.33E 14 4.6b,3.4L
¶616498822
ISC IV 13 20 23 28.5–2.3 5.94N–.08 127.49E–.09 26–17 3.6b 19 2-59
IDC IV 13 20 23 24.9–1.2 6.02N 127.88E 0 3.8L,3.7 **¶610652658**
MAN IV 13 20 23 32.5 5.98N 127.30E 105 4.6b,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=52.3km s-min=17.3km az=59.0.
ISC IV 13 21 02 59.3–.34 5.69N–.04 127.39E–.05 53 4.6b,4.0s 166 2-123
MAN IV 13 21 02 54.7 5.57N 127.61E 32 4.2b,3.0L **¶610527970**
NEIC IV 13 21 02 54.6–2.0 5.64N–.07 127.30E–.09 10–1 4.7b,3.0L
IDC IV 13 21 02 58.8–1.6 5.64N 127.27E 52–14 4.5L,4.3
DJA IV 13 21 03 02.1–1.1 6N–8.0 127E–7.0 130–25 4.9,4.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 13 21 04 39.6–.98 5.65N–.05 127.32E–.07 61–8 4.5b 141 2-142
NEIC IV 13 21 04 34.3–2.2 5.69N–.06 127.38E–.07 10–1 4.6b **¶610652660**
MAN IV 13 21 04 35.2 5.63N 127.57E 20 5.0b,4.0L
IDC IV 13 21 04 38.0–1.8 5.69N 127.35E 46–16 4.4,4.4L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.3km s-min=3.7km az=48.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=20.4km s-min=11.3km az=88.0.
MAN IV 13 21 16 18.9 5.96N 127.21E 14 4.3b,3.1L
¶616498829
ISC IV 14 02 34 49.3–1.2 5.64N–.09 127.6E–.10 10 3.6b 15 2-61
IDC IV 14 02 34 47.0–1.3 5.85N 127.83E 0 4.1L,3.7 **¶610652673**
MAN IV 14 02 34 52.1 5.76N 127.43E 10 4.7b,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=62.8km s-min=19.6km az=57.0.
ISC IV 14 03 20 00.9–.78 19.14N–.06 121.18E–.08 37–1 3.5b,3.1s 29 0-152
IDC IV 14 03 19 54.9–.74 19.05N 121.50E 0 3.7,3.7b **¶610652677**
MAN IV 14 03 20 00.2 19.18N 121.18E 29 4.8b,3.7L
ISC Event type ke.
IDC Error ellipse: s-maj=33.8km s-min=17.7km az=69.0.
ISC IV 14 03 52 11.2–2.0 5.90N–.06 127.45E–.08 26–13 4.4b,3.4s 55 2-151
MAN IV 14 03 52 05.7 5.63N 127.63E 1 4.9b,3.8L **¶610528018**
NEIC IV 14 03 52 09.8–2.0 5.93N–.08 127.4E–.10 10–0 4.4b,3.8L
IDC IV 14 03 52 12.5–3.4 5.91N 127.50E 38–27 4.0L,3.9

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.0km s-min=11.5km az=60.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=45.4km s-min=15.0km az=65.0.
MAN IV 14 11 55 33.7 6.13N 127.44E 21 4.2b,3.0L ¶616498871
ISC IV 14 19 27 12.1–1.2 5.79N–.07 127.48E–.08 10 3.3b 23 2-56
IDC IV 14 19 27 12.8–1.4 4.78N 125.12E 0 3.7L,3.5 **¶616498909**
MAN IV 14 19 27 15.8 5.91N 127.42E 51 4.5b,3.3L
ISC Event type ke.
IDC Error ellipse: s-maj=60.3km s-min=20.8km az=81.0.
MAN IV 15 06 22 48.2 20.43N 121.95E 18 3.9b,2.7L ¶616498937
MAN IV 16 13 55 59.3 13.33N 125.16E 44 4.1b,3.0L ¶616499026
ISC IV 16 18 51 34.0–1.3 5.63N–.07 127.36E–.08 10 2.9b 21 2-56
IDC IV 16 18 51 33.0–2.4 5.44N 126.41E 0 3.3,3.3b **¶610652881**
MAN IV 16 18 51 34.9 5.64N 127.31E 3 4.6b,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=206.3km s-min=26.6km az=65.0.
ISC IV 18 01 49 38.7–2.3 5.80N–.07 127.67E–.08 8–14 3.8s,3.7b 19 2-123
IDC IV 18 01 49 38.1–1.0 5.65N 127.67E 0 3.7,3.7b **¶610652960**
MAN IV 18 01 49 44.0 5.85N 127.59E 100 4.7b,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=70.7km s-min=21.6km az=72.0.
ISC IV 19 14 09 12.8–1.4 10.34N–.04 126.01E–.05 33–10 3.6b 47 1-52
IDC IV 19 14 09 07.5–2.2 10.30N 126.11E 0 3.7,3.7b **¶610653053**
MAN IV 19 14 09 15.2 10.20N 125.89E 23 4.7b,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=98.8km s-min=21.9km az=56.0.
ISC IV 19 14 18 40.6–1.2 10.27N–.03 126.22E–.04 32–9 4.3b,2.8s 108 0-120
IDC IV 19 14 18 35.2–.66 10.20N 125.93E 0 4.1,4.1b **¶610653055**
MAN IV 19 14 18 41.8 10.24N 126.05E 13 5.4b,4.6s
NEIC IV 19 14 18 49.1–1.9 10.23N–.08 126.1E–.10 111–8 4.3b,4.6s
ISC Event type fe.
MAN Event type fe. INTENSITY IV - BURGOS SAN BENITO AND SANTA MONICA SURIGAO DEL NORTE; INTENSITY III- SAN ISIDRO SURIGAO DEL NORTE; INTENSITY II- SOCORRO DAPA AND DEL CARMEN SURIGAO DEL NORTE.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 20 00 30 17.0–.98 5.35N–.08 127.33E–.08 10 3.6b 15 2-60
IDC IV 20 00 30 16.3–1.0 4.54N 124.80E 0 4.5L,3.6 **¶616499249**
MAN IV 20 00 30 27.3 5.29N 126.85E 13 4.5b,3.4L
ISC Event type ke.
IDC Error ellipse: s-maj=41.0km s-min=14.4km az=86.0.
ISC IV 20 04 38 36.9–.78 5.49N–.04 127.26E–.06 131–5 4.4b 299 2-129
IDC IV 20 04 38 37.0–1.0 5.46N 127.24E 132–8 4.3,3.9b **¶610544112**
DJA IV 20 04 38 37.8–.60 5N–3.0 127E–5.0 123–5 5.1b,4.8
NEIC IV 20 04 38 37.5–1.4 5.45N–.07 127.25E–.10 132–6 4.5b,4.8
MAN IV 20 04 38 40.5 5.93N 126.78E 159 5.3b,4.5s
ISC Event type se.
IDC Error ellipse: s-maj=20.6km s-min=8.2km az=65.0.
NEIC Event type se. Error ellipse: s-maj=15.0km s-min=8.8km az=66.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 20 18 27 25.9–.93 5.56N–.08 127.55E–.08 10 3.6b 17 2-59
IDC IV 20 18 27 24.2–1.0 5.67N 127.90E 0 3.6,3.6b **¶610653127**
MAN IV 20 18 27 32.0 6.03N 126.97E 178 4.5b,3.3L
ISC Event type ke.
IDC Error ellipse: s-maj=68.7km s-min=19.4km az=74.0.
ISC IV 21 13 14 32.6–.55 20.20N–.05 122.20E–.09 150 4.3b 55 1-86
NEIC IV 21 13 14 31.5–1.6 20.04N–.09 122.18E–.09 131–9 4.4b **¶610653199**
IDC IV 21 13 14 33.4–3.6 20.14N 122.36E 157–36 4.1,3.6b
MAN IV 21 13 14 36.6 20.34N 121.45E 107 4.9b,3.8L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.7km s-min=11.7km az=168.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=22.6km s-min=12.1km az=67.0.
ISC IV 21 17 35 59.5–.78 12.97N–.06 126.08E–.07 10 3.7b 29 1-54
NEIC IV 21 17 35 59.6–.90 13.2N–.10 126.4E–.20 10–1 4.2b **¶610653213**
IDC IV 21 17 36 00.6–1.6 12.73N 125.89E 0 3.8s,3.4
MAN IV 21 17 36 04.6 12.98N 125.83E 28 4.1b,2.8L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=32.5km s-min=16.4km az=78.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=73.6km s-min=21.6km az=64.0.
MAN IV 23 23 05 41.4 5.72N 127.25E 124 4.6b,3.5L ¶616499348
IDC IV 25 14 49 08.5–2.5 10.24N 126.38E 0 3.4,3.4b ¶616989997
IDC Error ellipse: s-maj=196.9km s-min=22.9km az=66.0.
ISC IV 26 22 00 54.0–2.2 5.4N–.10 127.5E–.20 96–24 3.4b 13 2-57
IDC IV 26 22 00 44.5–2.4 4.97N 126.45E 0 3.4,3.4b **¶610650088**
MAN IV 26 22 00 48.5 5.37N 127.57E 1 4.1b,2.9L
ISC Event type ke.
IDC Error ellipse: s-maj=196.0km s-min=28.4km az=65.0.
MAN IV 27 12 03 08.8 7.96N 127.06E 6 4.4b,3.3L ¶616499806
ISC IV 27 20 06 27.2–1.2 20.98N–.03 121.80E–.06 100 67 1-5
TAP IV 27 20 06 26.6 21.05N 121.73E 112–1 3.1L **¶614644761**
JMA IV 27 20 06 28.6–.62 21N–3.0 123E–4.0 52 3.4
MAN IV 27 20 06 29.1 20.64N 122.21E 22 4.1b,2.8L
ISC Event type ke.
TAP D.
JMA Event type ke. PHILIPPINE ISL REGION .
ISC IV 29 13 14 00.2–.98 5.91N–.09 127.55E–.08 10 3.7b 13 2-72
IDC IV 29 13 13 59.0–1.4 5.73N 127.16E 0 3.8,3.8b **¶610650312**
MAN IV 29 13 14 16.6 6.09N 126.78E 1 4.5b,3.3L
ISC Event type ke.
IDC Error ellipse: s-maj=139.1km s-min=17.4km az=67.0.
ISC IV 29 22 59 29.8–.43 11.24N–.04 126.81E–.06 10 4.4b,2.8s 87 2-93
IDC IV 29 22 59 27.9–.66 11.18N 126.72E 0 4.1,4.1b **¶610589458**
NEIC IV 29 22 59 30.7–1.2 11.3N–.10 126.8E–.20 10–1 4.5b,4.1b
MAN IV 29 22 59 34.2 11.15N 126.56E 18 4.8b,3.7L
ISC Event type se.
IDC Error ellipse: s-maj=27.8km s-min=15.2km az=76.0.
NEIC Event type se. Error ellipse: s-maj=25.4km s-min=17.3km az=89.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC V 02 00 49 31.9–2.1 5.97N 127.05E 0 3.4,3.4b ¶610689353
IDC Error ellipse: s-maj=191.7km s-min=29.9km az=69.0.
IDC V 02 13 30 11.4–2.3 5.58N 127.34E 0 3.6,3.6b ¶610689392
IDC Error ellipse: s-maj=188.4km s-min=25.4km az=65.0.
ISC V 03 13 15 34.3–.78 13.39N–.05 125.62E–.07 24 3.6b 34 1-52
IDC V 03 13 15 30.9–.92 13.21N 125.96E 0 3.7,3.7b **¶610689482**
MAN V 03 13 15 34.3 13.34N 125.53E 99 4.7b,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=50.6km s-min=16.6km az=69.0.
MAN V 04 07 57 24.1 19.13N 121.14E 33 4.0b,2.7L ¶616504460
ISC V 04 22 05 27.8–1.6 11.14N–.03 126.23E–.05 3–10 4.0b 43 1-85
IDC V 04 22 05 27.9–1.3 10.98N 125.78E 0 3.9,3.9b **¶610689568**
MAN V 04 22 05 30.6 11.08N 126.43E 34 5.0b,4.0s
ISC Event type ke.
IDC Error ellipse: s-maj=176.6km s-min=18.0km az=69.0.
ISC V 07 08 37 30.9–1.2 13.23N–.07 125.8E–.10 10 4.0b,3.8s 18 2-87
IDC V 07 08 37 30.1–2.2 13.08N 125.72E 0 3.9,3.9b **¶610689707**
MAN V 07 08 37 35.3 12.91N 125.24E 1 4.5b,3.3L
ISC Event type ke.
IDC Error ellipse: s-maj=96.8km s-min=22.8km az=56.0.
MAN V 07 20 03 50.6 19.38N 121.42E 30 4.2b,3.0L ¶616504585
ISC V 09 15 32 42.0–1.6 5.9N–.20 127.7E–.20 50 3.3b 6 2-56
IDC V 09 15 32 36.3–2.3 5.67N 127.25E 0 3.5,3.5b **¶610689900**
ISC Event type ke.
IDC Error ellipse: s-maj=185.3km s-min=26.9km az=65.0.
ISC V 09 17 18 59.2–.58 19.08N–.05 121.10E–.06 39 3.9b 41 0-88
IDC V 09 17 18 53.5–.73 18.92N 121.32E 0 3.8,3.7b **¶610689905**
NEIC V 09 17 18 57.3–.88 18.97N–.10 121.11E–.08 27–7 4.0b,3.7b
MAN V 09 17 19 00.2 19.09N 121.17E 19 4.8b,3.6L
ISC Event type se.
IDC Error ellipse: s-maj=29.1km s-min=15.3km az=72.0.
NEIC Event type se. Error ellipse: s-maj=14.0km s-min=11.1km az=190.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN V 11 19 01 24.2 5.22N 127.27E 16 4.5b,3.4L ¶616504712
ISC V 11 22 09 28.0–.36 20.47N–.04 121.19E–.05 35 4.4b,3.7s 144 1-90
IDC V 11 22 09 22.6–.57 20.50N 121.09E 0 4.2,4.2b **¶610630729**
MAN V 11 22 09 27.4 20.42N 121.26E 45 5.4b,4.6s
BJI V 11 22 09 27.4–.00 20.55N 121.08E 31 4.5b,4.1b
NEIC V 11 22 09 28.9–1.5 20.45N–.01 121.19E–.09 42–7 4.4b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN V 12 01 00 26.0 20.22N 121.59E 28 3.9b,2.6L ¶616504730
ISC V 13 03 34 04.5–.39 10.62N–.03 126.82E–.05 21–4 4.8b,3.6s 210 1-146
BJI V 13 03 34 01.1–.00 10.44N 126.64E 7 4.8b,4.8b **¶610769220**
IDC V 13 03 34 01.4–.47 10.61N 126.75E 0 4.7L,4.5
MAN V 13 03 34 03.6 10.70N 126.91E 30 5.0b,4.0s
DJA V 13 03 34 03.2–.30 11N–3.0 127E–4.0 10 5.3b,4.9b
NEIC V 13 03 34 04.0–1.4 10.61N–.07 126.71E–.10 10–1 4.9b,4.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 13 04 02 42.5–2.6 6.0N–.10 127.3E–.20 50 10 1-60
MAN V 13 04 02 48.3 6.21N 127.02E 35 4.2b,3.0L **¶610690171**
ISC Event type ke.
ISC V 13 21 08 13.4–1.3 9.24N–.05 127.15E–.09 10 3.5b 23 1-57
IDC V 13 21 08 10.7–1.6 9.59N 127.96E 0 4.2L,3.6 **¶610690217**
MAN V 13 21 08 12.4 9.16N 127.28E 28 4.2b,3.0L
ISC Event type ke.
IDC Error ellipse: s-maj=62.3km s-min=22.7km az=73.0.
ISC V 14 22 10 37.1–.66 19.10N–.05 121.12E–.06 35 3.7b 21 0-88
MAN V 14 22 10 37.2 19.11N 121.24E 23 4.3b,3.1L **¶610690301**
IDC V 14 22 10 40.6–2.8 18.98N 121.41E 79–27 3.8,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=36.5km s-min=14.8km az=78.0.
ISC V 15 15 24 19.8–1.4 5.7N–.10 127.6E–.10 53 3.0b 7 2-56
IDC V 15 15 24 13.5–2.7 5.56N 127.43E 0 3.3,3.3b **¶610690342**
MAN V 15 15 24 19.9 5.82N 127.50E 56 4.3b,3.2L
ISC Event type ke.
IDC Error ellipse: s-maj=192.9km s-min=29.7km az=67.0.
ISC V 15 22 45 28.5–.78 12.44N–.05 126.16E–.08 32 4.0b 28 1-85
IDC V 15 22 45 23.5–.86 12.42N 126.48E 0 4.0,4.0b **¶610690365**
MAN V 15 22 45 27.1 12.39N 126.24E 24 4.8b,3.7L
ISC Event type ke.
IDC Error ellipse: s-maj=44.9km s-min=16.2km az=71.0.
ISC V 16 05 43 30.0–.65 20.92N–.06 122.1E–.20 35 3.9b,3.8s 20 0-90
NIED V 16 05 43 27.6 21.09N 122.02E 42 4.6W,3.8s **¶610667686**
MAN V 16 05 43 29.7 20.86N 122.00E 13 4.3b,3.2L
IDC V 16 05 43 35.8–5.5 20.92N 122.08E 94–53 4.0,3.8s
ISC Event type se.
NIED Moment Tensor Solution. s2 Moment tensor: Scale 10^{15}Nm; M_{rr}2.52 $M_{\theta\theta}$0.56 $M_{\phi\phi}$-3.07 $M_{r\theta}$3.38 $M_{\theta\phi}$-5.96 $M_{\phi r}$-2.83 NP1:ϕ_s178.00000°,δ66.00000°,λ29.00000°. NP2:ϕ_s75.00000°,δ63.00000°,λ153.00000°. $M_0$7.90000×10^{15}
IDC Error ellipse: s-maj=22.8km s-min=16.1km az=73.0.
ISC V 16 13 23 00.7–.98 19.40N–.05 120.59E–.08 23 3.4b 12 1-45
IDC V 16 13 22 57.3–1.6 19.83N 121.29E 0 3.6s,3.6 **¶610690420**
MAN V 16 13 23 01.3 19.45N 120.35E 27 4.3b,3.1L
ISC Event type ke.
IDC Error ellipse: s-maj=158.7km s-min=21.9km az=66.0.
ISC V 16 23 46 43.0–1.1 21.00N–.08 121.48E–.07 89–8 3.8b 115 1-86
IDC V 16 23 46 32.0–.85 21.00N 121.96E 0 3.9,3.9b **¶610690452**
TAP V 16 23 46 42.5 21.05N 121.46E 98–1 4.1L,3.9b
ISC Event type ke.
IDC Error ellipse: s-maj=67.8km s-min=15.9km az=65.0.
TAP D.
ISC V 20 22 07 33.4–.68 5.63N–.05 127.57E–.08 40–7 4.3b,3.4s 85 2-123
MAN V 20 22 07 30.1 5.52N 127.81E 33 4.6b,3.5L **¶610646001**
NEIC V 20 22 07 30.1–1.4 5.66N–.07 127.52E–.10 10–1 4.4b,3.5L
IDC V 20 22 07 32.8–2.7 5.63N 127.50E 34–19 4.0,3.9L
DJA V 20 22 07 40.4–.70 5N–4.0 127E–7.0 77–7 4.9b,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 21 04 54 21.2–.77 5.80N–.04 127.62E–.06 29–5 4.8b,3.8s 319 2-159
BJI V 21 04 54 18.7–.00 5.44N 127.59E 38 4.8b,4.6b **¶610646021**
NEIC V 21 04 54 20.5–1.5 5.73N–.07 127.48E–.10 20–4 4.8b,4.6b
MAN V 21 04 54 20.4 5.96N 127.80E 34 5.1b,4.2s
DJA V 21 04 54 23.8–3.2 6N–7.0 128E–7.0 28–29 5.2b,5.1
IDC V 21 04 54 24.9–1.9 5.69N 127.47E 63–17 4.5,4.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.0km s-min=9.2km az=64.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=17.5km s-min=9.7km az=73.0.
ISC V 21 05 21 35.2–.73 5.9N–.10 127.9E–.20 35 3.7b 15 2-97
IDC V 21 05 21 36.6–.75 5.82N 127.95E 57–5 3.8,3.5b **¶610685066**
ISC Event type ke.
IDC Error ellipse: s-maj=54.1km s-min=13.0km az=71.0.
ISC V 23 18 26 00.4–1.2 20.75N–.05 122.0E–.20 10 3.3b 16 2-46
IDC V 23 18 26 03.4–4.7 20.03N 121.70E 0 3.2,3.2b **¶612489793**
MAN V 23 18 26 05.7 20.47N 121.98E 16 4.4b,3.2L
ISC Event type ke.
IDC Error ellipse: s-maj=379.2km s-min=29.4km az=61.0.
MAN V 24 09 36 48.4 10.09N 126.02E 39 4.1b,2.9L ¶616542261
ISC V 24 11 15 39.6–.82 5.94N–.07 127.72E–.08 52 3.9b 20 2-83
IDC V 24 11 15 32.7–.99 5.65N 127.42E 0 4.1,4.1b **¶610685294**
MAN V 24 11 15 39.6 6.15N 127.73E 45 4.7b,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=64.2km s-min=19.5km az=81.0.
ISC V 24 13 11 56.0–.48 5.82N–.05 127.66E–.06 35 4.3b 55 2-96
IDC V 24 13 11 50.5–.70 5.65N 127.39E 0 4.1,4.1b **¶610685298**
MAN V 24 13 12 00.5 6.14N 127.22E 96 4.8b,3.7L
NEIC V 24 13 12 00.6–1.3 5.6N–.10 127.4E–.10 74–8 4.4b,3.7L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 24 13 30 25.0–1.0 6.00N–.08 127.75E–.09 52 3.6b 17 2-56
IDC V 24 13 30 19.8–1.9 5.55N 127.13E 0 3.8,3.8b **¶610685301**
MAN V 24 13 30 24.1 6.02N 127.57E 14 4.6b,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=176.7km s-min=23.8km az=65.0.
ISC V 25 07 57 52.3–1.8 6.1N–.30 127.3E–.50 35 3.8s 5 2-90

MAN V 25 07 57 52.5 6.04N 126.37E 9 4.7b,3.6L ¶616542285
IDC V 25 07 58 19.6–2.3 2.55N 127.75E 0 3.6s,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=170.0km s-min=27.5km az=67.0.
ISC V 25 17 32 25.2–2.1 10.53N–.07 126.09E–.07 5–11 4.0b,2.8s 30 1-45
IDC V 25 17 32 21.1–3.0 10.91N 126.63E 0 4.6L,4.1 ¶610685378
MAN V 25 17 32 31.5 10.29N 125.86E 7 4.8b,3.7L
ISC Event type ke.
IDC Error ellipse: s-maj=85.4km s-min=27.4km az=49.0.
ISC V 26 03 35 05.7–2.0 10.18N–.04 126.63E–.05 0–12 4.5b,3.6s 95 1-146
MAN V 26 03 35 07.9 10.19N 126.67E 15 4.9b,3.9L ¶610667738
NEIC V 26 03 35 13.8–1.6 10.10N–.09 126.3E–.10 54–5 4.5b,3.9L
IDC V 26 03 35 19.6–2.0 10.31N 126.43E 103–20 4.3,3.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.1km s-min=13.4km az=88.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=23.9km s-min=13.3km az=86.0.
ISC V 26 03 52 58.1–2.6 10.13N–.05 126.50E–.07 11–16 3.9b 38 1-146
MAN V 26 03 52 58.9 10.21N 126.60E 9 4.7b,3.6L ¶610685404
IDC V 26 03 53 07.8–2.9 10.18N 126.47E 90–28 4.0,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=38.5km s-min=14.7km az=79.0.
MAN V 26 12 31 09.7 19.14N 121.29E 11 3.8b,2.5L
¶616542312
ISC V 27 00 54 20.5–1.2 19.18N–.03 121.04E–.04 11–7 4.6b,3.9s 387 1-115
IDC V 27 00 54 17.8–.61 19.09N 121.17E 0 4.2,4.2b ¶610654882
MAN V 27 00 54 19.8 19.19N 120.92E 1 4.9b,3.9L
BJI V 27 00 54 22.6–.00 19.23N 121.05E 27 4.8b,4.5b
NEIC V 27 00 54 24.5–1.7 19.24N–.08 121.07E–.09 35–2 4.6b,4.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 29 07 52 09.5–4.2 20.40N–.03 120.14E–.06 12–27 4.4b,3.3s 108 2-97
IDC V 29 07 52 07.4–.59 20.41N 120.35E 0 4.2,4.2b ¶610655493
NEIC V 29 07 52 10.1–1.9 20.45N–.08 120.07E–.09 10–1 4.5b,4.2b
MAN V 29 07 52 10.7 20.37N 120.19E 35 5.1b,4.1s
ISC Event type se.
IDC Error ellipse: s-maj=22.2km s-min=13.5km az=69.0.
NEIC Event type se. Error ellipse: s-maj=14.8km s-min=12.5km az=127.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN V 29 18 29 36.6 19.30N 120.92E 22 3.8b,2.5L
¶616542404
ISC V 30 11 24 17.5–.54 20.06N–.03 120.75E–.06 34 4.2b,3.8s 45 1-90
IDC V 30 11 24 13.0–.78 20.02N 120.93E 0 3.9,3.9b ¶610685718
NEIC V 30 11 24 14.1–1.4 20.10N–.10 120.75E–.08 10–1 4.4b,3.9b
MAN V 30 11 24 14.7 20.03N 120.59E 34 4.8b,3.7L
ISC Event type se.
IDC Error ellipse: s-maj=28.6km s-min=16.4km az=70.0.
NEIC Event type se. Error ellipse: s-maj=20.1km s-min=4.2km az=144.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 30 23 17 20.3–.94 5.67N–.04 127.19E–.09 135–8 4.2b 64 2-123
IDC V 30 23 17 20.2–2.6 5.64N 127.35E 135–20 4.1,3.8s ¶610685756
MAN V 30 23 17 20.2 5.74N 127.26E 112 4.7b,3.6L
NEIC V 30 23 17 21.6–1.5 5.60N–.09 127.1E–.10 138–9 4.3b,3.6L
DJA V 30 23 17 24.2–2.5 5N–27 127E–9.0 148–21 4.5,4.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VI 01 11 43 48.6–3.9 17.12N 118.01E 0 3.6,3.6b
¶610791054
IDC Error ellipse: s-maj=506.5km s-min=28.3km az=60.0.
ISC VI 01 16 52 54.8–2.7 10.70N–.05 126.79E–.06 3–16 3.6b 35 1-54
IDC VI 01 16 52 54.6–.99 10.66N 126.58E 0 3.7,3.7b ¶610791061
MAN VI 01 16 52 57.9 10.76N 126.76E 32 4.8b,3.7L
ISC Event type ke.
IDC Error ellipse: s-maj=64.9km s-min=19.9km az=73.0.
ISC VI 07 06 51 59.7–.93 19.08N–.04 121.16E–.06 42–9 3.8b,3.5s 44 0-115
IDC VI 07 06 51 52.6–.65 18.89N 121.29E 0 3.8,3.8b ¶610791385
MAN VI 07 06 51 59.4 19.06N 121.13E 20 4.9b,3.9L
ISC Event type ke.
IDC Error ellipse: s-maj=27.7km s-min=13.6km az=79.0.
ISC VI 07 08 41 33.5–2.1 6.69N–.07 127.10E–.08 27–14 3.3b 20 1-82
IDC VI 07 08 41 29.5–1.2 6.74N 127.23E 0 3.5,3.5b ¶610791393
MAN VI 07 08 41 36.2 6.70N 126.91E 18 4.3b,3.2L
ISC Event type ke.
IDC Error ellipse: s-maj=33.9km s-min=21.4km az=44.0.
ISC VI 10 06 50 13.0–3.9 7.44N–.05 127.19E–.09 5–27 3.5b 17 1-55
MAN VI 10 06 50 14.8 7.45N 127.27E 22 4.8b,3.7L ¶610791581
IDC VI 10 06 50 15.3–1.9 7.11N 127.16E 0 3.5,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=36.6km s-min=16.4km az=16.0.
MAN VI 11 17 56 16.1 13.41N 125.41E 30 4.2b,3.0L
¶617049744
ISC VI 12 06 27 12.5–.44 7.11N–.03 127.41E–.07 36–3 4.6b 305 1-101
MAN VI 12 06 27 09.6 7.04N 127.46E 19 5.0b,4.0s ¶616640009
NEIC VI 12 06 27 12.3–1.4 7.11N–.08 127.34E–.07 35–5 4.6b,4.0s
DJA VI 12 06 27 14.6–.70 7N–5.0 127E–5.0 66–8 4.8,4.8b
IDC VI 12 06 27 14.3–2.4 7.01N 127.46E 60–21 4.2,4.0L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=9.7km az=213.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=19.0km s-min=12.7km az=67.0.
ISC VI 13 01 52 55.5–1.2 5.36N–.04 127.43E–.08 56–13 4.3b,3.2s 39 2-91
DJA VI 13 01 52 54.9–.60 5N–5.0 127E–4.0 58–34 5.0b,4.8b ¶610791752
MAN VI 13 01 52 57.4 5.64N 127.23E 118 4.8b,3.7L
IDC VI 13 01 52 59.0–3.2 5.14N 127.34E 90–28 4.2,3.8b
ISC Event type ke.
IDC Error ellipse: s-maj=67.4km s-min=12.4km az=68.0.
ISC VI 15 03 11 07.3–.28 19.76N–.03 122.50E–.04 200–2 4.9b 1060 1-176
BGR VI 15 03 10 38.2 18.20N 123.94E 33 5.1b,4.0s ¶611834118
DJA VI 15 03 11 05.0–.40 20N–3.0 123E–4.0 171–5 5.6b,5.5
NEIC VI 15 03 11 06.4 19.79N 122.54E 190 5.6b,5.5
KLM VI 15 03 11 06 19.80N 122.68E 183 5.2b,5.5
NEIC VI 15 03 11 06.6–1.5 19.79N–.07 122.50E–.07 187–5 5.1,5.0b
NEIC VI 15 03 11 06.4 19.89N 122.43E 190 5.1,5.0b
MOS VI 15 03 11 07.2–.90 19.78N 122.57E 215 4.9b,5.0b
BJI VI 15 03 11 07.1–.00 19.90N 122.66E 199 4.8b,4.8b
GCMT VI 15 03 11 08.6–.20 19.87N–.01 122.50E–.02 189–2 5.2W,4.8b
MAN VI 15 03 11 08.6 19.71N 122.57E 167 5.6b,4.8s
IDC VI 15 03 11 09.1–.61 19.77N 122.59E 217–5 5.1,4.5b
ISC Event type ke.
BGR Event type ke.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=9.4km az=128.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution.Duration: 1^{s}9 Moment tensor: Scale 10^{16}Nm;
M_{rr}-0.95 $M_{\theta\theta}$2.91 $M_{\phi\phi}$-1.96 $M_{r\theta}$-3.47 $M_{\theta\phi}$4.37 $M_{\phi r}$1.59 NP1:ϕ_s101.91000°,δ82.13000°
,λ-37.21000°. NP2:ϕ_s197.84000°,δ53.20000°,λ-170.16000°. Principal axes:
T 6.2412,Plg19.0000°,Azm155.0000°; N 0.2086,Plg52.0000°,Azm272.0000°
; P -6.4498,Plg31.0000°,Azm53.0000° $M_0$6.35000$\times10^{16}$
MOS Error ellipse: s-maj=6.7km s-min=3.8km az=111.5.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function. Moment Tensor Solution. s49,c59; s119,c175;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-2.79±.16 $M_{\theta\theta}$3.50±.18; $M_{\phi\phi}$-0.71±.20; $M_{r\theta}$-3.73±.14;
$M_{\theta\phi}$5.11±.15; $M_{\phi r}$1.95±.16; Best double couple: NP1:ϕ_s94.00000°,δ72.00000°,λ-40.00000°.
NP2:ϕ_s198.00000°,δ52.00000°,λ-157.00000°. Principal axes: T 7.3730,Plg13.0000°
,Azm150.0000°; N -0.0390,Plg47.0000°,Azm254.0000°; P -7.3370,Plg41.0000°
,Azm49.0000° $M_0$7.35500$\times10^{16}$
IDC Error ellipse: s-maj=9.5km s-min=7.3km az=85.0.
ISC VI 15 18 29 50.3–1.1 20.44N–.06 121.87E–.09 11–7 3.7b 27 0-74
IDC VI 15 18 29 48.9–1.1 20.42N 122.01E 0 3.6,3.6b ¶610791959
MAN VI 15 18 29 50.4 20.28N 121.80E 3 5.1b,4.1s
ISC Event type ke.
IDC Error ellipse: s-maj=32.1km s-min=20.2km az=70.0.
ISC VI 15 19 16 46.8–.65 12.91N–.03 119.18E–.04 29–4 4.5b,3.8s 326 1-121
IDC VI 15 19 16 42.4–.75 12.90N 119.25E 0 4.1,4.0b ¶610675386
BJI VI 15 19 16 42.5–.00 12.60N 119.02E 9 4.7b,4.3b
MAN VI 15 19 16 46.4 12.99N 119.30E 109 5.5b,4.7s
NEIC VI 15 19 16 48.6–1.9 12.87N–.05 119.3E–.10 37–8 4.6b,4.7s
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 18 05 18 27.1–2.4 5.77N–.10 127.02E–.08 28–16 3.7b,3.1s 20 1-98
IDC VI 18 05 18 22.6–1.1 5.95N 127.43E 0 3.8,3.7b ¶610792097
MAN VI 18 05 18 25.9 5.16N 126.64E 15 4.8b,3.7L
ISC Event type ke.
IDC Error ellipse: s-maj=56.4km s-min=17.7km az=61.0.
ISC VI 19 21 37 25.6–.92 6.22N–.08 127.6E–.10 52 3.4b 15 2-56
MAN VI 19 21 37 27.9 6.37N 127.38E 22 4.5b,3.4L ¶610792215
IDC VI 19 21 37 29.2–1.9 5.95N 126.90E 66–10 3.6,3.3b
ISC Event type ke.
IDC Error ellipse: s-maj=171.8km s-min=19.9km az=65.0.
MAN VI 21 07 24 45.8 19.07N 121.12E 8 4.3b,3.2L
¶617049940
ISC VI 21 11 43 36.9–1.0 5.90N–.09 127.88E–.09 10 3.3b 11 2-56
IDC VI 21 11 43 35.3–2.1 5.89N 127.83E 0 3.5,3.5b ¶610789208
ISC Event type ke.
IDC Error ellipse: s-maj=175.1km s-min=26.3km az=66.0.
ISC VI 22 04 52 47.1–.94 20.34N–.06 121.9E–.10 27–7 3.5b,3.2s 32 0-85
IDC VI 22 04 52 44.7–1.5 20.12N 122.15E 0 3.8,3.8L ¶610764496
MAN VI 22 04 52 46.0 20.38N 121.93E 33 5.0b,4.0L
JMA VI 22 04 52 49.6–.52 20N–2.0 122E–2.0 48 4.1,4.0L
NIED VI 22 04 52 49.6 20.47N 122.06E 48 4.1W,4.0L
ISC Event type fe.
IDC Error ellipse: s-maj=53.5km s-min=27.1km az=73.0.
MAN Event type fe. INTENSITY II - UYUGAN AND IVANA BATANES ; INTENSITY I - MAHATAO
AND BASCO BATANES.
JMA Event type ke. PHILIPPINE ISL REGION .
NIED Moment Tensor Solution. s2 Moment tensor: Scale 10^{15}Nm; M_{rr}0.53 $M_{\theta\theta}$-0.16 $M_{\phi\phi}$-0.37
$M_{r\theta}$0.04 $M_{\theta\phi}$-0.93 $M_{\phi r}$-1.03 NP1:ϕ_s186.00000°,δ76.00000°,λ52.00000°. NP2:ϕ_s80.00000°
,δ40.00000°,λ159.00000°. $M_0$1.47000$\times10^{15}$
ISC VI 23 08 26 51.7–1.5 10.28N–.04 126.61E–.06 17–9 3.9b 36 1-86
MAN VI 23 08 26 53.0 10.24N 126.44E 10 5.0b,3.9L ¶610789326
IDC VI 23 08 27 10.7–4.5 9.92N 125.80E 185–39 3.8,3.3b
ISC Event type ke.
IDC Error ellipse: s-maj=120.3km s-min=16.4km az=67.0.
ISC VI 23 09 00 11.3–1.8 10.16N–.04 126.48E–.07 27–12 3.9b 39 1-86
IDC VI 23 09 00 08.0–1.2 10.22N 126.21E 0 4.6L,3.9 ¶610789331
MAN VI 23 09 00 08.1 10.32N 126.71E 16 4.8b,3.7L
ISC Event type ke.
IDC Error ellipse: s-maj=72.5km s-min=17.4km az=76.0.
ISC VI 24 08 28 50.4–1.5 10.26N–.03 126.46E–.05 3–10 3.6b 58 1-91
IDC VI 24 08 28 50.1–.87 10.10N 126.31E 0 4.2L,4.1s ¶610789381
MAN VI 24 08 28 54.9 10.21N 126.22E 7 4.8b,3.7L
ISC Event type ke.
IDC Error ellipse: s-maj=33.2km s-min=16.3km az=83.0.
ISC VI 25 09 18 45.4–1.7 17.35N–.03 120.00E–.07 11–11 3.9b,2.9s 48 1-84
MAN VI 25 09 18 48.0 17.48N 120.04E 11 4.8b,3.7L ¶610789436
NEIC VI 25 09 18 51.9–1.4 17.4N–.10 120.3E–.20 61–9 4.1b,3.7L
IDC VI 25 09 18 56.1–2.0 17.42N 120.24E 108–19 3.8,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=30.2km s-min=13.7km az=70.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=31.6km s-min=12.3km az=67.0.
ISC VI 25 10 02 25.2–1.6 10.25N–.07 126.9E–.10 10 3.2b 10 1-52
MAN VI 25 10 02 26.6 10.17N 126.95E 30 4.2b,3.0L ¶610789439
IDC VI 25 10 02 31.3–3.7 9.32N 126.74E 0 3.3,3.3b
ISC Event type ke.
IDC Error ellipse: s-maj=289.6km s-min=29.3km az=66.0.
ISC VI 26 07 41 28.6–.39 10.28N–.02 126.15E–.02 18–1 5.0b,4.3s 890 0-172
MOS VI 26 07 41 25.5–1.1 10.26N 125.91E 13 5.2b,4.3s ¶610694756
DJA VI 26 07 41 26.1–.20 11N–3.0 127E–3.0 10 5.8,5.6b
BJI VI 26 07 41 27.2–.00 10.06N 126.04E 29 4.9b,4.8b
NEIC VI 26 07 41 27.4 10.30N 126.20E 20 4.9b,4.8b
NEIC VI 26 07 41 27.4–1.9 10.31N–.06 126.10E–.08 10–1 5.1b,5.0
NEIC VI 26 07 41 27.4 10.30N 126.10E 20 5.1b,5.0
MAN VI 26 07 41 31.0 10.23N 126.18E 17 5.8b,5.2s
GCMT VI 26 07 41 33.4–.20 10.31N–.01 126.19E–.01 25 5.2W,5.2s
IDC VI 26 07 41 34.0–1.3 10.31N 126.03E 62–11 4.8,4.5b
ISC Event type fe.
MOS Error ellipse: s-maj=9.2km s-min=4.5km az=111.0.
NEIC Event type se. Moment Tensor Solution.Duration: 1^{s}6 Moment tensor: Scale 10^{16}Nm;
M_{rr}2.03 $M_{\theta\theta}$0.66 $M_{\phi\phi}$-2.69 $M_{r\theta}$0.24 $M_{\theta\phi}$1.04 $M_{\phi r}$2.68 NP1:ϕ_s2.54000°,δ70.04000°,λ108.10000°.
NP2:ϕ_s138.79000°,δ26.69000°,λ49.46000°. Principal axes: T 3.3964,Plg61.0000°
,Azm299.0000°; N 0.6601,Plg17.0000°,Azm176.0000°; P -4.0565,Plg23.0000°,Azm79.0000°
$M_0$3.73000$\times10^{16}$
NEIC Event type se. Error ellipse: s-maj=13.1km s-min=9.1km az=252.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se.
MAN Event type fe. INTENSITY IV - BURGOS SURIGAO DEL NORTE; INTENSITY III -
TACLOBAN CITY; PALO LEYTE; SURIGAO CITY; INTENSITY II - LIBJO SAN JOSE
CAGDIANAO DINAGAT ISLANDS.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function. Moment Tensor Solution. s74,c84; s96,c134;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}3.26±.15 $M_{\theta\theta}$0.45±.11; $M_{\phi\phi}$-3.71±.10; $M_{r\theta}$-0.41±.26;
$M_{\theta\phi}$1.47±.08; $M_{\phi r}$6.66±.23; Best double couple: NP1:ϕ_s355.00000°,δ76.00000°,λ98.00000°.
NP2:ϕ_s144.00000°,δ16.00000°,λ60.00000°. Principal axes: T 7.3170,Plg58.0000°
,Azm277.0000°; N 0.6850,Plg8.0000°,Azm173.0000°; P -7.9970,Plg30.0000°,Azm79.0000°
$M_0$7.65700$\times10^{16}$
IDC Error ellipse: s-maj=12.6km s-min=7.1km az=82.0.
ISC VI 26 09 56 20.8–1.8 10.12N–.04 126.24E–.06 17–12 3.1b 29 0-52
IDC VI 26 09 56 20.8–3.6 9.76N 126.44E 0 3.2,3.2b ¶610789502
MAN VI 26 09 56 21.8 10.19N 126.28E 23 4.5b,3.3L
ISC Event type ke.
IDC Error ellipse: s-maj=281.4km s-min=30.2km az=66.0.
ISC VI 26 15 09 22.7–1.0 20.15N–.03 121.41E–.06 41–11 4.2b 115 1-75
MAN VI 26 15 09 20.1 20.12N 121.22E 15 4.7b,3.6L ¶610764502
JMA VI 26 15 09 22.1–.46 20N–2.0 122E–1.0 66 4.1,3.6L
NEIC VI 26 15 09 22.6–1.4 20.08N–.09 121.5E–.10 35–6 4.4b,3.6L
NIED VI 26 15 09 22.1 20.10N 121.64E 66 3.9W,3.6L
IDC VI 26 15 09 23.4–3.4 20.09N 121.54E 51–34 4.0L,3.9
ISC Event type se.
JMA Event type ke. PHILIPPINE ISL REGION .
NEIC Event type se. Error ellipse: s-maj=17.0km s-min=13.0km az=76.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s2 Moment tensor: Scale 10^{14}Nm; M_{rr}4.05 $M_{\theta\theta}$-1.48 $M_{\phi\phi}$-2.57
$M_{r\theta}$6.04 $M_{\theta\phi}$4.13 $M_{\phi r}$1.10 NP1:ϕ_s102.00000°,δ72.00000°,λ56.00000°. NP2:ϕ_s348.00000°
,δ38.00000°,λ150.00000°. $M_0$8.11000$\times10^{14}$
IDC Error ellipse: s-maj=25.4km s-min=13.9km az=74.0.
ISC VI 28 20 37 14.7–1.9 8.60N–.05 127.11E–.06 2–11 4.2b 58 1-95
MAN VI 28 20 37 14.7 8.53N 127.10E 1 5.1b,4.1s ¶610789667
NEIC VI 28 20 37 17.9–2.2 8.76N–.09 127.2E–.10 25–5 4.4b,4.1s
IDC VI 28 20 37 26.1–3.5 8.53N 127.00E 94–33 3.8,3.4b
ISC Event type se.

NEIC Event type se. Error ellipse: s-maj=15.8km s-min=12.9km az=95.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=35.8km s-min=18.6km az=50.0.
ISC VI 29 16 07 24.0–2.8 20.15N–.03 121.33E–.05 3–19 3.8b 85 1-87
IDC VI 29 16 07 23.2–.89 20.07N 121.71E 0 3.7,3.7b ¶610789729
NEIC VI 29 16 07 25.4–2.1 20.09N–.10 121.39E–.09 13–5 4.3b,3.7b
MAN VI 29 16 07 27.8 20.19N 121.30E 30 5.0b,3.9L
JMA VI 29 16 07 29.4–.55 20N–2.0 121E–2.0 12 4.4,3.9L
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. PHILIPPINE ISL REGION .
MAN VI 30 02 39 11.1 19.93N 121.76E 23 4.1b,2.9L
¶617050132
MAN VI 30 19 40 47.1 10.28N 126.12E 9 4.4b,3.3L
¶617050153

(249) Luzon.

ISC I 01 01 46 55.4–1.2 16.23N–.08 119.4E–.10 10 3.5b 10 2-47
IDC I 01 01 46 53.2–2.8 15.98N 119.30E 0 3.6,3.6b ¶610236344
MAN I 01 01 46 56.2 16.25N 119.42E 8 4.6b,3.4L
ISC Event type ke.
IDC Error ellipse: s-maj=366.6km s-min=22.7km az=62.0.
ISC I 02 08 34 26.8–2.6 12.69N–.07 123.33E–.10 1–19 3.7b 17 0-90
IDC I 02 08 34 26.4–1.1 12.64N 123.39E 0 3.7,3.7b ¶610236451
MAN I 02 08 34 28.5 12.70N 123.32E 8 4.6b,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=62.2km s-min=21.3km az=70.0.
ISC I 02 09 09 06.0–1.3 16.1N–.10 119.3E–.20 10 3.6b 7 2-91
MAN I 02 09 09 04.1 16.29N 119.27E 2 4.1b,2.9L ¶610236454
IDC I 02 09 09 04.6–1.2 16.04N 119.73E 0 3.6,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=94.9km s-min=21.9km az=69.0.
ISC I 02 17 36 54.0–1.6 12.64N–.03 123.33E–.03 7–11 4.1b 53 0-86
IDC I 02 17 36 53.0–.82 12.71N 123.47E 0 3.8,3.8b ¶610236495
MAN I 02 17 36 54.9 12.71N 123.28E 10 4.8b,3.7L
NEIC I 02 17 36 54.9–2.3 12.60N–.09 123.4E–.10 10–4 4.2b,3.7L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN I 03 01 13 30.6 16.20N 119.78E 8 4.2b,3.0L
IDC I 03 01 13 10.1–4.9 17.75N 119.26E 0 3.3,3.3b ¶610236523
IDC Error ellipse: s-maj=544.1km s-min=27.9km az=60.0.
ISC I 06 18 36 15.5–.67 18.78N–.05 121.02E–.09 10 3.2b 19 1-88
IDC I 06 18 36 12.9–1.0 18.66N 121.31E 0 3.5,3.5b ¶610236847
MAN I 06 18 36 16.8 18.88N 121.00E 16 4.6b,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=34.0km s-min=20.2km az=77.0.
ISC I 08 13 37 53.4–1.4 17.60N–.03 122.53E–.07 19–10 4.1b 59 1-89
IDC I 08 13 37 50.6–.84 17.56N 122.46E 0 4.0,4.0b ¶610236965
NEIC I 08 13 37 52.3–1.9 17.09N–.05 122.9E–.10 38–7 4.1b,4.0b
MAN I 08 13 37 55.9 17.72N 122.31E 17 4.7b,3.6L
ISC Event type se.
IDC Error ellipse: s-maj=34.2km s-min=17.2km az=67.0.
NEIC Event type se. Error ellipse: s-maj=17.1km s-min=6.7km az=94.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN I 09 06 53 57.6 15.45N 119.87E 32 3.8b,2.6L
¶615391447
ISC I 09 09 20 15.1–.43 18.09N–.04 120.51E–.05 33–1 4.8b,3.8s 200 4-153
MAN I 09 09 20 15.2 18.24N 120.30E 29 5.6b,4.9s ¶611831520
NEIC I 09 09 20 16.1–1.9 18.07N–.07 120.6E–.10 37–7 4.8b,4.9s
GCMT I 09 09 20 17.1–.30 18.33N–.02 120.17E–.03 39–1 4.9W,4.9s
IDC I 09 09 20 18.9–2.6 17.96N 120.52E 78–22 4.4,4.1b
BJI I 09 09 20 18.6–.00 18.27N 120.15E 40 4.9b,4.5b
DJA I 09 09 20 21.2–.70 18N–3.0 120E–6.0 89–8 5.6,5.5b
ISC Event type fe.
MAN Event type fe. INTENSITY IV - LAOAG CITY PASUQUIN PAOAY AND BACARRA ILOCOS
NORTE; INTENSITY III - VIGAN CITY AND SINAIT ILOCOS SUR; SARRAT ILOCOS
NORTE; LA PAZ ABRA.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function. Moment Tensor Solution. s27,c31; s70,c95;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}1.38±.20 $M_{\theta\theta}$0.58±.12; $M_{\phi\phi}$-1.96±.13; $M_{r\theta}$-1.01±.10;
$M_{\theta\phi}$-1.50±.09; $M_{\phi r}$0.34±.12; Best double couple: NP1:ϕ_s239.00000°,δ61.00000°,λ142.00000°.
NP2:ϕ_s350.00000°,δ58.00000°,λ36.00000°. Principal axes: T 2.3920,Plg46.0000°
,Azm204.0000°; N 0.2670,Plg44.0000°,Azm27.0000°; P -2.6590,Plg2.0000°,Azm295.0000°
$M_0$2.52500×10^{16}
MAN I 09 15 29 40.3 15.35N 120.11E 24 4.1b,2.9L
¶615391453
ISC I 11 06 24 50.6–.44 13.41N–.03 124.24E–.05 51–3 4.8b,4.4s 381 1-150
IDC I 11 06 24 43.5–.46 13.37N 124.20E 0 4.5,4.4b ¶610051741
GCMT I 11 06 24 46.6–.20 13.44N–.01 124.15E–.02 17–0 5.3W,4.4b
BJI I 11 06 24 49.2–.00 13.36N 124.28E 55 5.1b,4.8s
DJA I 11 06 24 52.7–.50 13N–3.0 125E–4.0 86–5 5.7,5.3
NEIC I 11 06 24 53.6–2.0 13.44N–.08 124.1E–.10 75–7 4.8b,5.3
ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function. Moment Tensor Solution. s64,c83; s104,c170;Duration: 1s1
Moment tensor: Scale 10^{17}Nm; M_{rr}-0.24±.02 $M_{\theta\theta}$0.54±.01; $M_{\phi\phi}$-0.30±.02; $M_{r\theta}$0.06±.04;
$M_{\theta\phi}$0.23±.01; $M_{\phi r}$0.91±.07; Best double couple: NP1:ϕ_s203.00000°,δ84.00000°,λ-120.00000°.
NP2:ϕ_s102.00000°,δ30.00000°,λ-12.00000°. Principal axes: T 0.8040,Plg32.0000°
,Azm317.0000°; N 0.3810,Plg30.0000°,Azm206.0000°; P -1.1850,Plg43.0000°,Azm84.0000°
$M_0$0.99500×10^{17}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN I 13 12 55 27.6 14.12N 120.42E 116 3.7b,2.4L
¶615392329
IDC I 14 04 36 45.8–1.7 12.55N 123.11E 0 3.4,3.4b
¶610237335
IDC Error ellipse: s-maj=464.3km s-min=29.1km az=72.0.
ISC I 14 05 37 05.8–1.1 18.32N–.04 121.01E–.06 31–8 4.2b,3.1s 63 0-88
MAN I 14 05 37 06.2 18.30N 121.02E 20 4.8b,3.7L ¶610180881
IDC I 14 05 37 08.5–5.9 18.17N 121.27E 64–53 4.0,3.7b
NEIC I 14 05 37 11.5–2.2 18.97N–.09 121.01E–.08 35–2 4.4b,3.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 16 04 07 18.3–1.2 13.85N–.04 123.23E–.03 6–9 3.5b 24 1-81
IDC I 16 04 07 16.1–1.5 14.05N 123.97E 0 3.5,3.5b ¶610237480
MAN I 16 04 07 17.3 14.00N 123.32E 1 4.1b,2.9L
ISC Event type ke.
IDC Error ellipse: s-maj=148.0km s-min=22.3km az=67.0.
ISC I 17 19 34 15.6–1.5 15.47N–.04 121.97E–.05 13–10 3.5b 28 1-48
IDC I 17 19 34 12.3–1.2 15.40N 122.13E 0 3.5,3.4b ¶610237617
MAN I 17 19 34 15.0 15.48N 121.93E 1 4.7b,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=37.3km s-min=22.6km az=63.0.
MAN I 17 22 02 40.3 12.66N 123.59E 13 4.4b,3.2L
¶615392410
MAN I 29 14 57 00.6 14.02N 120.46E 115 4.0b,2.8L
¶615392632
MAN II 01 11 43 34.6 16.66N 119.97E 28 4.4b,3.3L
¶615934656
ISC II 01 21 51 59.7–1.2 14.45N–.03 119.99E–.05 34–3 3.7b 38 1-79
MAN II 01 21 51 58.1 14.56N 119.93E 25 4.5b,3.3L ¶610414628
IDC II 01 21 52 06.4–11 14.55N 120.36E 98–111 3.7,3.3b
ISC Event type ke.
IDC Error ellipse: s-maj=43.9km s-min=16.5km az=66.0.
MAN II 02 09 45 58.6 15.91N 119.93E 106 4.1b,2.9L
¶615934667
ISC II 08 00 59 49.3–1.5 14.93N–.04 122.09E–.06 4–11 3.5b 20 1-59
IDC II 08 00 59 48.2–1.1 14.88N 122.27E 0 3.7,3.7b ¶610415079
MAN II 08 00 59 50.5 14.95N 122.10E 14 4.8b,3.7L
ISC Event type fe.
IDC Error ellipse: s-maj=43.3km s-min=20.2km az=70.0.
MAN Event type fe. INTENSITY II - BURDEOS LOPEZ PANUKULAN PATNANONGAN AND
POLILLO QUEZON.
MAN II 08 15 52 41.2 15.39N 120.48E 141 3.6b,2.3L
¶615934712
ISC II 09 17 42 04.2–1.3 17.86N–.05 120.73E–.04 12–9 3.4b 18 0-43
IDC II 09 17 42 01.5–1.9 17.65N 120.85E 0 3.5,3.4b ¶610415188
MAN II 09 17 42 03.9 17.85N 120.76E 1 4.4b,3.2L
ISC Event type ke.
IDC Error ellipse: s-maj=75.9km s-min=24.2km az=52.0.
MAN II 10 08 00 17.1 16.35N 122.25E 13 4.1b,2.9L
¶615934787
MAN Event type fe.
ISC II 10 12 10 26.3–.41 18.70N–.03 120.56E–.05 41 4.3b,3.3s 86 1-116
NEIC II 10 12 10 17.8–2.0 18.05N–.07 121.04E–.10 10–1 4.6b,3.3s ¶610208001
IDC II 10 12 10 27.7–5.1 18.45N 120.40E 57–47 4.0,3.7b
MAN II 10 12 10 27.5 18.57N 120.58E 12 5.2b,4.3s
ISC Event type fe.
NEIC Event type se. Error ellipse: s-maj=15.4km s-min=11.9km az=93.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=23.5km s-min=13.7km az=74.0.
MAN Event type fe. INTENSITY II - PASUQUIN ILOCOS NORTE; LAOAG CITY ILOCOS NORTE.
MAN II 10 21 41 30.7 17.16N 120.19E 11 4.3b,3.2L
¶615934778
MAN II 17 10 39 04.5 15.16N 119.05E 31 4.1b,2.9L
¶615934924
MAN II 17 22 54 22.8 15.29N 120.37E 32 3.6b,2.3L
¶615934931
ISC II 17 23 35 19.2–1.5 15.6N–.10 121.2E–.50 25 3.7b 5 1-91
IDC II 17 23 35 16.6–7.2 15.79N 121.42E 0 3.6,3.6b ¶610415730
MAN II 17 23 35 35.2 19.30N 121.95E 10 4.4b,3.3L
ISC Event type ke.
IDC Error ellipse: s-maj=204.2km s-min=62.8km az=23.0.
MAN II 19 06 23 19.1 14.22N 119.45E 1 4.0b,2.8L
¶615934955
MAN II 23 18 31 58.8 14.97N 119.88E 23 4.2b,3.1L
¶615935027
MAN II 24 06 51 01.9 14.73N 121.93E 29 3.8b,2.6L
¶615935034
MAN II 24 22 03 10.0 14.07N 120.49E 2 3.7b,2.5L
¶615935046
MAN II 27 21 18 16.0 16.87N 119.98E 1 4.2b,3.0L
¶615935084
ISC II 28 15 00 20.3–1.5 17.97N–.05 120.80E–.04 17–5 3.4b 19 0-45
IDC II 28 15 00 16.6–1.4 17.86N 120.71E 0 3.4,3.3b ¶610385211
MAN II 28 15 00 21.2 17.90N 120.79E 12 4.7b,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=67.7km s-min=24.1km az=72.0.
MAN II 28 18 30 00.9 16.11N 122.08E 11 3.9b,2.6L
¶615935094
ISC III 01 11 31 51.9–1.1 17.80N–.03 120.45E–.05 28–8 3.5b 33 0-43
IDC III 01 11 31 45.3–1.3 17.57N 120.82E 0 3.7,3.7b ¶610545321
MAN III 01 11 31 51.3 17.80N 120.41E 24 4.7b,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=68.4km s-min=23.1km az=76.0.
MAN III 01 12 39 50.5 17.50N 121.38E 31 3.7b,2.5L
¶616058324
ISC III 02 16 55 59.2–1.4 18.91N–.03 120.64E–.05 11–9 4.2b,3.3s 73 1-88
IDC III 02 16 55 56.9–.80 18.78N 120.88E 0 3.8,3.8b ¶610545400
NEIC III 02 16 55 58.7–1.8 18.79N–.10 120.6E–.10 8–6 4.4b,3.8b
MAN III 02 16 56 00.2 18.93N 120.76E 1 4.9b,3.8L
ISC Event type se.
IDC Error ellipse: s-maj=32.0km s-min=16.3km az=66.0.
NEIC Event type se. Error ellipse: s-maj=16.1km s-min=12.2km az=128.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 03 12 59 19.4–.71 15.71N–.03 120.35E–.06 132–6 3.9b 52 1-91
MAN III 03 12 59 18.8 15.77N 120.34E 126 4.4b,3.3L ¶610545456
IDC III 03 12 59 19.4–5.3 15.60N 120.60E 138–51 4.0,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=25.1km s-min=13.0km az=70.0.
MAN III 03 17 26 36.2 17.52N 120.21E 7 4.6b,3.4L
¶616058372
IDC III 05 05 17 06.2–4.7 18.43N 121.46E 0 3.2,3.2b
¶610545573
IDC Error ellipse: s-maj=407.9km s-min=30.7km az=61.0.
MAN III 05 06 13 05.9 15.48N 119.45E 31 3.8b,2.5L
¶616058407
MAN III 07 00 05 19.8 12.84N 123.55E 7 4.5b,3.4L
¶616058456
ISC III 07 18 19 09.7–1.3 17.38N–.03 121.08E–.04 5–9 3.2b 30 0-43
IDC III 07 18 19 08.1–1.4 17.20N 121.50E 0 3.3,3.3b ¶610545748
MAN III 07 18 19 10.2 17.41N 121.04E 17 4.5b,3.3L
ISC Event type ke.
IDC Error ellipse: s-maj=58.4km s-min=22.1km az=60.0.
MAN III 08 12 47 18.0 18.27N 120.50E 26 3.9b,2.6L
¶616058473
MAN III 11 18 07 21.4 15.86N 120.08E 10 4.3b,3.1L
¶616058529
MAN III 13 14 18 34.6 15.75N 119.87E 25 4.3b,3.1L
¶616058582
ISC III 18 21 03 03.6–.57 16.78N–.03 120.51E–.04 110–5 4.4b 323 0-108
NEIC III 18 21 03 02.3–1.7 16.72N–.07 120.60E–.06 94–6 4.6b ¶610345803
MAN III 18 21 03 02.2 16.86N 120.39E 82 5.3b,4.5s
IDC III 18 21 03 03.5–3.2 16.68N 120.62E 112–29 4.2,3.9b
BJI III 18 21 03 03.1–.00 16.76N 120.46E 101 4.6b,4.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=7.0km az=153.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=14.9km s-min=10.7km az=69.0.
MAN III 20 18 07 32.5 16.62N 120.75E 31 3.7b,2.5L
¶616058693
MAN III 21 15 34 47.0 16.39N 120.36E 10 3.6b,2.3L
¶616058722
MAN III 22 22 39 38.0 16.40N 121.63E 14 3.7b,2.4L
¶616058761
ISC III 25 22 17 00.7–.51 15.92N–.03 119.29E–.04 56–4 4.5b,3.6s 200 1-154
MAN III 25 22 16 53.0 16.04N 119.03E 14 5.1b,4.2s ¶610435102
NEIC III 25 22 16 59.3–1.3 15.97N–.07 119.4E–.10 38–7 4.6b,4.2s
IDC III 25 22 17 02.2–1.6 15.98N 119.45E 72–16 4.3,4.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.2km s-min=9.8km az=95.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=16.3km s-min=9.4km az=74.0.
MAN III 30 04 58 24.1 16.41N 121.97E 8 3.9b,2.7L
¶616058891
ISC III 30 16 41 22.9–.86 14.01N–.08 120.4E–.10 120 3.4b 14 1-93
MAN III 30 16 41 23.4 14.09N 120.41E 102 4.7b,3.6L ¶610544003
IDC III 30 16 41 23.2–.72 14.09N 120.82E 122–7 3.5,3.2b
ISC Event type ke.
IDC Error ellipse: s-maj=36.2km s-min=16.2km az=62.0.
MAN III 31 08 29 40.8 13.08N 124.61E 33 3.8b,2.6L

¶616058913
MAN III 31 08 32 48.6 16.57N 119.98E 17 3.8b,2.5L
¶616058914
ISC IV 01 02 49 01.1–1.4 14.9N–.20 122.8E–.10 35 3.7b 7 2-50
IDC IV 01 02 48 56.6–2.3 14.68N 122.20E 0 3.6,3.6b ¶610651674
ISC Event type ke.
IDC Error ellipse: s-maj=265.4km s-min=20.4km az=64.0.
MAN IV 04 12 19 05.0 13.00N 123.92E 34 3.8b,2.6L
¶616498032
MAN IV 04 15 30 54.9 14.07N 121.00E 80 3.5b,2.2L
¶616498049
MAN IV 05 19 40 31.2 16.45N 119.07E 31 4.1b,2.8L
¶616498155
MAN IV 07 16 48 26.7 18.51N 120.53E 20 4.0b,2.8L
¶616498213
ISC IV 07 17 36 50.8–1.3 16.70N–.03 122.55E–.06 12–8 3.5b,3.2s 32 0-89
MAN IV 07 17 36 48.5 16.72N 122.67E 7 4.6b,3.5L ¶610598322
IDC IV 07 17 36 48.3–.96 16.40N 122.27E 0 3.7,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=42.4km s-min=21.0km az=75.0.
ISC IV 10 00 18 07.8–.86 18.00N–.05 120.26E–.08 42–8 4.1b,2.6s 51 0-117
IDC IV 10 00 17 59.4–.73 17.65N 120.36E 0 3.9,3.9b ¶610598339
MAN IV 10 00 18 06.4 17.89N 120.18E 17 4.8b,3.7L
NEIC IV 10 00 18 10.3–2.4 18.09N–.08 120.2E–.10 35–2 4.4b,3.7L
ISC Event type fe.
MAN Event type fe. INTENSITY III - VIGANSINAIT AND BANTAY ILOCOS SUR.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN IV 10 19 57 49.3 17.06N 120.11E 21 4.2b,3.0L
¶616498645
MAN IV 11 13 39 24.6 16.84N 120.15E 30 3.9b,2.6L
¶616498681
ISC IV 12 11 16 38.2–1.3 18.72N–.04 120.84E–.04 11–10 28 0-44
IDC IV 12 11 16 34.0–17 18.85N 121.24E 0 3.1,3.0b ¶610652549
MAN IV 12 11 16 37.4 18.91N 120.68E 31 4.6b,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=487.2km s-min=35.6km az=32.0.
MAN IV 12 14 36 49.9 18.51N 120.59E 19 3.8b,2.6L
¶616498746
ISC IV 13 09 45 39.2–1.8 16.71N–.03 119.95E–.06 13–12 3.3b 33 0-90
MAN IV 13 09 45 41.1 16.70N 119.90E 30 4.6b,3.5L ¶610652626
IDC IV 13 09 45 48.7–2.8 16.34N 119.94E 123–23 3.6,3.0b
ISC Event type ke.
IDC Error ellipse: s-maj=45.6km s-min=22.6km az=47.0.
ISC IV 14 08 58 32.9–1.7 16.13N–.03 119.65E–.07 15–11 3.6b 28 1-52
MAN IV 14 08 58 35.7 16.10N 119.58E 24 4.4b,3.3L ¶610652701
IDC IV 14 08 58 44.0–2.8 16.00N 119.79E 122–24 3.7,3.2b
ISC Event type ke.
IDC Error ellipse: s-maj=67.4km s-min=18.0km az=49.0.
MAN IV 14 17 55 48.3 14.89N 122.78E 28 3.9b,2.7L
¶616498902
ISC IV 14 22 57 03.2–.87 18.81N–.05 121.30E–.08 82–8 3.7b 23 0-44
IDC IV 14 22 56 52.1–1.3 18.54N 121.61E 0 3.6,3.6b ¶610652758
MAN IV 14 22 57 02.8 18.83N 121.20E 60 4.4b,3.2L
ISC Event type ke.
IDC Error ellipse: s-maj=55.4km s-min=19.9km az=62.0.
MAN IV 15 09 17 05.0 14.18N 120.38E 100 3.6b,2.3L
¶616498943
MAN IV 15 18 28 51.6 13.17N 124.10E 6 4.0b,2.8L
¶616498972
MAN IV 15 22 37 31.8 14.17N 120.36E 17 3.8b,2.5L
¶616498979
MAN IV 16 06 18 07.0 14.02N 120.40E 77 3.5b,2.2L
¶616498998
MAN IV 16 16 30 24.5 18.55N 121.03E 11 4.4b,3.2L
¶616499046
ISC IV 16 23 28 33.1–.99 18.84N–.03 120.77E–.03 31–7 4.3b,3.6s 324 1-97
IDC IV 16 23 28 27.6–.54 18.67N 121.13E 0 4.1,4.0b ¶610529004
MAN IV 16 23 28 32.4 18.86N 120.68E 24 5.2b,4.3s
BJI IV 16 23 28 33.5–.00 18.81N 120.62E 20 4.4b,4.2b
NEIC IV 16 23 28 34.5–1.8 18.87N–.05 120.62E–.08 35–2 4.4b,4.2b
DJA IV 16 23 28 34.1–.90 19N–4.0 121E–7.0 39–15 5.5b,5.0
ISC Event type fe.
MAN Event type fe. INTENSITY IV - PAGUDPUD ILOCOS NORTE; INTENSITY III - BANGUI ILOCOS NORTE; INTENSITY II - PASUQUIN ILOCOS NORTE; INTENSITY I - LAOAG CITY.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN IV 17 19 48 23.4 16.88N 120.62E 35 3.8b,2.5L
¶616499116
ISC IV 19 19 44 57.0–.79 14.01N–.06 120.47E–.09 195–6 3.3b 34 0-79
IDC IV 19 19 44 57.4–1.4 14.13N 121.06E 204–10 3.8,3.2b ¶610544097
MAN IV 19 19 44 58.7 14.09N 120.51E 178 4.6b,3.4L
ISC Event type ke.
IDC Error ellipse: s-maj=127.1km s-min=13.0km az=66.0.
MAN IV 20 13 55 55.1 15.61N 120.69E 10 4.2b,3.0L
¶616499256
ISC IV 22 20 27 03.2–1.4 14.96N–.03 122.63E–.04 8–10 3.4b,3.0s 37 1-50
IDC IV 22 20 27 00.3–1.9 15.08N 123.00E 0 3.5,3.5b ¶610653279
MAN IV 22 20 27 03.2 14.95N 122.65E 7 4.8b,3.7L
ISC Event type ke.
IDC Error ellipse: s-maj=70.4km s-min=24.0km az=51.0.
MAN V 01 17 48 08.3 16.16N 120.17E 10 4.4b,3.3L
¶616504316
MAN V 01 20 48 42.3 14.90N 119.07E 33 3.7b,2.5L
¶616504318
ISC V 09 17 25 02.0–2.2 14.75N–.05 123.39E–.06 2–15 3.6b 25 1-62
IDC V 09 17 25 01.2–.97 14.71N 123.57E 0 4.6L,3.7 ¶610689906
MAN V 09 17 25 01.4 14.80N 123.41E 1 4.7b,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=27.3km s-min=17.2km az=64.0.
ISC V 09 18 28 43.7–2.0 13.70N–.07 122.95E–.07 4–12 3.5b 26 1-92
IDC V 09 18 28 43.5–.97 13.84N 123.05E 0 4.3L,3.6 ¶610689912
MAN V 09 18 28 43.5 13.71N 122.95E 6 4.7b,3.6L
ISC Event type fe.
IDC Error ellipse: s-maj=29.9km s-min=19.0km az=52.0.
MAN Event type fe.
ISC V 10 21 12 41.3–.76 14.24N–.05 120.48E–.08 126–6 3.8b 25 0-92
IDC V 10 21 12 41.3–.62 14.13N 120.74E 134–5 3.9,3.5b ¶610689994
MAN V 10 21 12 41.8 14.20N 120.42E 108 4.8b,3.7L
ISC Event type ke.
IDC Error ellipse: s-maj=29.3km s-min=14.5km az=67.0.
MAN V 11 12 43 48.0 16.22N 119.33E 19 4.0b,2.7L
¶616504698
MAN V 11 15 19 12.2 13.75N 122.82E 32 3.8b,2.5L
¶616504705
ISC V 15 01 15 15.4–1.0 14.81N–.04 123.97E–.06 21–7 3.7b,2.7s 29 1-90
IDC V 15 01 15 11.8–1.5 14.62N 123.96E 0 4.5L,3.9 ¶610690309
MAN V 15 01 15 17.2 14.85N 123.96E 33 4.6b,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=37.0km s-min=24.7km az=57.0.
ISC V 16 02 06 22.6–.96 12.32N–.03 123.75E–.04 15–6 3.7b 38 0-90
MAN V 16 02 06 22.0 12.32N 123.75E 8 5.1b,4.1L ¶616504862
IDC V 16 02 06 23.4–1.5 11.05N 121.82E 0 4.6L,3.8
ISC Event type fe.
MAN Event type fe. INTENSITY IV - MASBATE CITY; INTENSITY I - BULUSAN SORSOGON.
IDC Error ellipse: s-maj=166.9km s-min=22.4km az=67.0.
MAN V 17 09 08 26.4 12.34N 123.75E 6 4.2b,3.0L
¶616504904
ISC V 18 16 40 56.4–.72 12.29N–.03 123.84E–.03 10 3.6b 42 0-49
MAN V 18 16 40 55.8 12.33N 123.81E 3 4.9b,3.8L ¶610690608
IDC V 18 16 40 56.8–3.0 12.15N 124.06E 0 3.6,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=253.7km s-min=28.1km az=64.0.
MAN V 19 08 00 59.8 14.18N 120.43E 1 3.9b,2.6L
¶616542112
MAN V 19 13 58 07.7 13.13N 124.24E 33 3.6b,2.4L
¶616542116
ISC V 25 14 27 06.1–.21 15.03N–.02 120.31E–.03 96–1 5.3b 1417 1-172
NEIC V 25 14 27 04.8–2.3 15.05N–.05 120.35E–.08 75–4 5.5b,5.3 ¶610654431
NEIC V 25 14 27 04.6 15.06N 120.34E 70 5.5b,5.3
NEIC V 25 14 27 04.6 15.06N 120.34E 70 5.5b,5.3
BGR V 25 14 27 06.0 14.73N 121.26E 99–8 5.6,5.4b
BJI V 25 14 27 05.4–.00 15.11N 120.42E 100 5.1b,5.1b
GCMT V 25 14 27 05.8–.10 15.09N–.01 120.23E–.01 92–0 5.4W,5.1b
MAN V 25 14 27 05.1 15.08N 120.06E 83 5.9b,5.4s
MOS V 25 14 27 06.0–.80 15.04N 120.36E 109 5.4b,4.6s
DJA V 25 14 27 07.1–.40 15N–2.0 120E–2.0 105–4 6.1,5.8b
IDC V 25 14 27 07.1–.38 15.10N 120.36E 104–4 5.3,5.0b
KLM V 25 14 27 09 14.99N 120.24E 102 5.6b,5.0b
ISC Event type fe.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=7.6km az=79.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution.Duration: 2s4 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.60 $M_{\theta\theta}$1.35 $M_{\phi\phi}$-0.75 $M_{r\theta}$0.04 $M_{\theta\phi}$0.22 $M_{\phi r}$-0.41 NP1:ϕ_s46.23000°,δ63.70000° ,λ-150.06000°. NP2:ϕ_s301.92000°,δ63.42000°,λ-29.69000°. Principal axes: T 1.3774,Plg0.0000°,Azm174.0000°; N -0.2669,Plg51.0000°,Azm84.0000° ; P -1.1105,Plg39.0000°,Azm264.0000° $M_0$1.24000×10^{17}
NEIC Event type se.
BGR Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s117,c182; s132,c252;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.48±.02 $M_{\theta\theta}$1.57±.02; $M_{\phi\phi}$-1.08±.02; $M_{r\theta}$-0.08±.01; $M_{\theta\phi}$0.31±.02; $M_{\phi r}$-0.49±.01; Best double couple: NP1:ϕ_s42.00000°,δ73.00000°,λ-156.00000°. NP2:ϕ_s305.00000°,δ67.00000°,λ-18.00000°. Principal axes: T 1.6150,Plg4.0000° ,Azm173.0000°; N -0.2320,Plg61.0000°,Azm76.0000°; P -1.3780,Plg29.0000° ,Azm265.0000° $M_0$1.49700×10^{17}
MAN Event type fe. INTENSITY IV - SAN MARCELINO SAN FELIPE IBA SANTA CRUZ CABANGAN AND CASTILLEJOS ZAMBALES;; LINGAYEN PANGASINAN; DINALUPIHAN & ABUCAY BATAAN; QUEZON CITY; PATEROS; MALOLOS BULACAN;; OBANDO BULACAN; OLONGAPO CITY; INTENSITY III - TAGAYTAY CITY; GAPAN CITY; BOTOLAN PALAUIG & SUBIC ZAMBALES; TALISAY BATANGAS;; SAN JOSE DEL MONTE & MARILAO BULACAN; PASAY CITY; MAKATI CITY; MANDALUYONG; MANILA CITY;; MARIKINA CITY; PARANAQUE CITY; TAGUIG CITY; CALOOCAN CITY; PASIG CITY; VALENZUELA CITY;; SAN MIGUEL TARLAC; BONGABON & ALIAGA NUEVA CIJA; INTENSITY II - PALAYAN CITY; BACOOR CAVITE; CALUMPIT BULACAN; SAN JACINTO PANGASINAN;; CABANATUAN CITY; LUCBAN QUEZON.
MOS Error ellipse: s-maj=6.3km s-min=3.2km az=118.0.
IDC Error ellipse: s-maj=10.5km s-min=6.1km az=67.0.
MAN V 25 18 04 55.6 15.10N 120.17E 70 3.9b,2.6L
¶616542297
MAN V 28 18 23 18.5 13.56N 123.93E 7 4.0b,2.7L
¶616542383
MAN V 29 01 03 21.0 13.87N 122.74E 30 3.7b,2.5L
¶616542392
ISC V 29 19 31 36.9–1.1 14.05N–.10 120.38E–.09 131–7 3.4b 17 0-46
MAN V 29 19 31 36.9 14.10N 120.36E 117 4.1b,2.9L ¶610685661
IDC V 29 19 31 37.4–1.2 14.17N 120.87E 140–19 3.4,2.9b
ISC Event type ke.
IDC Error ellipse: s-maj=281.6km s-min=23.7km az=62.0.
MAN V 31 21 31 15.0 18.89N 121.07E 22 4.6b,3.5L
¶616542472
ISC VI 04 18 57 41.4–.72 15.22N–.06 119.4E–.10 39 3.8b 23 2-92
MAN VI 04 18 57 40.8 15.30N 119.69E 16 5.1b,4.1L ¶610760916
IDC VI 04 18 57 46.8–1.6 15.18N 119.71E 96–17 3.7,3.3b
ISC Event type ke.
IDC Error ellipse: s-maj=30.9km s-min=16.8km az=61.0.
MAN VI 05 17 44 45.8 15.61N 119.19E 13 4.1b,2.9L
¶617049630
MAN VI 07 12 30 53.1 17.06N 120.88E 25 4.3b,3.1L
¶617049660
ISC VI 07 14 53 05.3–1.2 14.55N–.03 121.68E–.02 8–9 3.5b,3.4s 53 0-87
IDC VI 07 14 53 04.4–1.0 14.45N 121.83E 0 3.6,3.6b ¶610791409
MAN VI 07 14 53 05.6 14.56N 121.64E 12 4.9b,3.8L
ISC Event type ke.
IDC Error ellipse: s-maj=19.3km s-min=12.2km az=157.0.
MAN VI 08 10 11 55.7 12.29N 123.84E 22 3.8b,2.6L
¶617049688
MAN VI 09 09 32 59.0 14.03N 120.44E 20 3.8b,2.5L
¶617049707
MAN VI 09 10 15 40.8 15.34N 120.30E 32 3.8b,2.5L
¶617049708
ISC VI 11 15 24 19.9–.80 17.70N–.02 120.21E–.04 16–5 4.4b,3.5s 102 1-117
NEIC VI 11 15 24 06.4–1.1 16.65N–.08 121.81E–.06 10–1 4.6b,3.5s ¶610669649
MAN VI 11 15 24 24.2 17.86N 120.32E 15 5.2b,4.3s
IDC VI 11 15 24 29.2–1.9 17.72N 120.46E 106–20 4.2,3.8b
ISC Event type fe.
NEIC Event type se. Error ellipse: s-maj=15.3km s-min=6.9km az=154.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN Event type fe. INTENSITY IV - SINAIT ILOCOS SUR ; INTENSITY III - VIGAN ILOCOS SUR; BANTAY ILOCOS SUR.
IDC Error ellipse: s-maj=20.3km s-min=11.6km az=71.0.
MAN VI 13 07 50 06.3 16.00N 120.17E 33 3.7b,2.4L
¶617049770
ISC VI 14 06 05 26.9–1.7 16.35N–.03 119.88E–.07 1–11 3.7b,3.1s 27 1-48
IDC VI 14 06 05 27.9–1.2 15.09N 118.08E 0 5.0L,3.7 ¶610791834
MAN VI 14 06 05 33.8 16.38N 119.97E 20 4.6b,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=57.9km s-min=21.1km az=61.0.
MAN Event type fe.
ISC VI 14 09 15 16.3–1.4 19.00N–.04 120.89E–.05 18–7 3.3b 25 1-88
IDC VI 14 09 15 14.2–1.2 19.04N 121.45E 0 3.6L,3.4 ¶610791852
MAN VI 14 09 15 17.4 19.07N 120.94E 8 4.5b,3.4L
ISC Event type ke.
IDC Error ellipse: s-maj=60.0km s-min=23.2km az=81.0.
MAN VI 14 12 03 17.0 15.29N 120.00E 21 3.9b,2.7L
¶617049796
ISC VI 14 14 38 28.6–2.0 15.11N–.04 119.51E–.09 14–12 3.0b 19 1-78
IDC VI 14 14 38 26.6–1.5 14.97N 119.27E 0 3.4,3.4b ¶610791874
MAN VI 14 14 38 35.3 15.04N 119.76E 15 4.5b,3.4L
ISC Event type ke.
IDC Error ellipse: s-maj=58.4km s-min=24.3km az=46.0.
MAN VI 14 15 40 29.4 15.06N 120.19E 59 3.9b,2.7L
¶617049801
ISC VI 15 14 43 49.0–1.4 14.98N–.04 123.60E–.04 27–12 3.6b,2.8s 41 1-50
IDC VI 15 14 43 45.0–1.2 14.84N 123.75E 0 4.0L,3.7 ¶610791945
MAN VI 15 14 43 48.0 15.05N 123.69E 28 5.1b,4.1s
ISC Event type ke.
IDC Error ellipse: s-maj=33.8km s-min=18.6km az=51.0.
MAN VI 15 19 48 42.5 13.02N 122.79E 1 4.1b,2.8L
¶617049834
MAN VI 17 19 56 20.3 13.43N 124.26E 10 4.1b,2.9L
¶617049878
MAN VI 18 12 38 05.5 14.99N 123.07E 2 4.0b,2.8L
¶617049884
ISC VI 19 06 08 41.3–1.1 15.09N–.03 119.96E–.08 64–10 4.0b 35 1-86
MAN VI 19 06 08 40.4 15.10N 119.93E 28 5.1b,4.1s ¶610760969
IDC VI 19 06 08 45.9–1.1 15.03N 120.32E 110–10 4.0,3.6b
ISC Event type fe.

MAN Event type fe. INTENSITY III - SAN FELIPE AND CASTILLEJOS ZAMBALES; INTENSITY II - IBA ZAMBALES.
IDC Error ellipse: s-maj=50.1km s-min=17.2km az=59.0.
ISC VI 19 18 13 13.5–1.0 18.40N–.03 120.85E–.03 11–7 4.2b,2.9s 95 0-88
MAN VI 19 18 13 13.5 18.39N 120.84E 7 5.2b,4.3s **¶610760972**
NEIC VI 19 18 13 19.5–2.6 18.33N–.09 121.0E–.10 62–8 4.2b,4.3s
IDC VI 19 18 13 20.4–2.5 18.22N 120.90E 68–25 3.9,3.6b
ISC Event type fe.
MAN Event type fe. INTENSITY IV - BURGOS ILOCOS NORTE; INTENSITY III - PASUQUIN AND DUMALNEG ILOCOS NORTE; INTENSITY I - LAOAG CITY.
NEIC Event type se. Error ellipse: s-maj=19.6km s-min=12.2km az=83.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=26.4km s-min=12.9km az=76.0.
ISC VI 19 18 34 16.1–1.3 18.44N–.03 120.94E–.04 2–10 3.5b 40 0-44
MAN VI 19 18 34 17.4 18.43N 120.83E 6 4.8b,3.7L **¶610792205**
IDC VI 19 18 34 30.3–2.4 18.34N 121.13E 138–24 3.6,3.1b
ISC Event type fe.
MAN Event type fe. INTENSITY III - BURGOS PAGUDPUD AND PASUQUIN ILOCOS NORTE.
IDC Error ellipse: s-maj=31.5km s-min=14.3km az=71.0.
ISC VI 20 04 39 48.1–.83 17.68N–.02 120.74E–.03 13–5 3.5b 38 0-75
MAN VI 20 04 39 44.1 17.76N 120.52E 1 4.7b,3.6L **¶610789138**
IDC VI 20 04 39 45.0–1.0 17.48N 121.14E 0 3.6,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=41.4km s-min=20.8km az=68.0.
MAN VI 20 12 27 18.3 18.44N 120.76E 16 3.8b,2.5L
¶617049917
ISC VI 21 01 18 51.7–1.1 14.09N–.03 121.23E–.03 11–8 4.3b,3.4s 46 0-87
IDC VI 21 01 18 49.4–1.1 14.06N 121.39E 0 3.8,3.8b **¶610789184**
MAN VI 21 01 18 51.4 14.13N 121.21E 8 5.3b,4.5s
NEIC VI 21 01 18 52.1–1.4 14.1N–.10 121.22E–.05 10–1 4.3b,4.5s
ISC Event type fe.
MAN Event type fe.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN VI 21 03 10 39.1 17.73N 120.61E 32 3.6b,2.4L
¶617049934
MAN VI 22 06 34 38.8 13.89N 123.61E 1 4.2b,3.0L
¶617049960
MAN VI 24 16 24 34.9 14.43N 120.18E 57 3.8b,2.5L
¶617050012
ISC VI 24 17 11 34.6–1.9 17.53N–.04 120.12E–.07 3–12 2.9b 25 1-43
IDC VI 24 17 11 28.7–2.0 18.11N 122.51E 0 4.4L,3.7s **¶610789394**
MAN VI 24 17 11 33.7 17.53N 120.08E 1 4.8b,3.7L
ISC Event type ke.
IDC Error ellipse: s-maj=81.6km s-min=29.0km az=67.0.
MAN VI 24 19 12 37.0 15.19N 119.82E 6 3.8b,2.5L
¶617050015
ISC VI 24 20 37 06.1–.35 17.51N–.03 120.17E–.04 47–3 4.7b,4.1s 419 1-117
MAN VI 24 20 37 03.3 17.55N 119.85E 32 6.1b,5.7s **¶611467509**
DJA VI 24 20 37 04.9–.60 18N–3.0 120E–7.0 43–9 7.9,7.5
BJI VI 24 20 37 04.7–.00 17.42N 120.19E 51 4.8b,4.8L
BGR VI 24 20 37 04.2 18.94N 122.43E 33 4.5b,4.8L
NEIC VI 24 20 37 05.2–1.3 17.40N–.05 120.21E–.09 41–7 4.9b,4.8L
GCMT VI 24 20 37 07.2–.40 17.59N–.02 119.91E–.02 41 4.8W,4.8L
IDC VI 24 20 37 09.1–1.8 17.44N 120.26E 81–18 4.5,4.1b
ISC Event type fe.
MAN Event type fe. INTENSITY II - VIGAN CITY.
BGR Event type ke.
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=7.0km az=98.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s11,c13; s70,c105;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.94±.21 $M_{\theta\theta}$0.36±.12; $M_{\phi\phi}$-1.30±.13; $M_{r\theta}$-1.31±.08; $M_{\theta\phi}$-0.47±.07; $M_{\phi r}$-1.49±.09; Best double couple: NP1:ϕ_s219.00000°,δ77.00000°,λ108.00000°. NP2:ϕ_s345.00000°,δ22.00000°,λ38.00000°. Principal axes: T 2.2450,Plg55.0000° ,Azm151.0000°; N 0.1860,Plg17.0000°,Azm35.0000°; P -2.4350,Plg29.0000°,Azm295.0000° $M_0$2.34000×10^{16}
IDC Error ellipse: s-maj=14.6km s-min=9.2km az=81.0.
MAN VI 25 05 52 01.1 15.21N 120.14E 33 3.7b,2.5L
¶617050027
ISC VI 25 15 59 29.8–1.2 18.09N–.05 120.18E–.09 40–13 3.6b 30 0-54
MAN VI 25 15 59 25.0 17.93N 120.02E 19 4.8b,3.6L **¶610789455**
NEIC VI 25 15 59 35.9–1.1 18.38N–.08 121.7E–.30 147–7 4.0b,3.6L
IDC VI 25 15 59 43.0–4.9 17.63N 120.39E 195–37 3.6,2.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=43.7km s-min=10.8km az=86.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=147.3km s-min=19.0km az=61.0.
MAN VI 27 15 38 14.8 13.28N 124.05E 32 3.6b,2.3L
¶617050081
MAN VI 28 06 47 54.6 16.86N 119.99E 34 3.7b,2.4L
¶617050093
MAN VI 28 14 24 45.6 13.18N 122.58E 19 3.9b,2.7L
¶617050100
MAN VI 28 20 32 03.0 17.07N 121.78E 52 4.3b,3.1L
¶617050105
ISC VI 29 16 17 56.2–1.1 16.57N–.02 120.34E–.05 28–8 3.4b,3.1s 47 1-85
IDC VI 29 16 17 50.4–1.2 16.85N 121.11E 0 3.6,3.5b **¶610789730**
MAN VI 29 16 17 56.5 16.54N 120.40E 17 5.0b,4.0L
ISC Event type ke.
IDC Error ellipse: s-maj=41.6km s-min=15.7km az=75.0.

(250) Mindoro.

ISC I 01 09 37 58.2–.47 13.46N–.06 120.89E–.09 200 4.0b 49 1-93
MAN I 01 09 37 58.7 13.49N 120.71E 165 3.8b,2.6L **¶610236375**
NEIC I 01 09 38 03.8–2.0 13.32N–.10 120.9E–.10 250–9 4.3b,2.6L
IDC I 01 09 38 03.7–8.2 13.41N 120.94E 257–84 3.8,3.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.9km s-min=14.2km az=80.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=44.3km s-min=13.3km az=57.0.
MAN I 05 02 27 17.5 13.58N 120.67E 94 3.6b,2.3L
¶615393818
MAN I 10 17 14 05.4 13.65N 120.69E 155 3.9b,2.7L
¶615391469
ISC I 12 11 33 29.3–.89 13.79N–.05 120.49E–.06 111–7 3.9b 25 0-79
MAN I 12 11 33 28.9 13.78N 120.54E 99 4.5b,3.4L **¶610237236**
IDC I 12 11 34 05.7–8.1 14.89N 119.29E 384–97 3.9,3.1b
ISC Event type ke.
IDC Error ellipse: s-maj=46.6km s-min=14.3km az=63.0.
MAN I 12 19 35 16.5 12.92N 120.13E 6 4.0b,2.8L
¶615391574
ISC I 14 04 31 00.7–.85 13.62N–.03 120.59E–.06 119–6 3.6b 30 0-93
IDC I 14 04 30 46.6–1.1 14.01N 121.59E 0 3.7,3.7b **¶610237332**
MAN I 14 04 31 01.1 13.64N 120.55E 104 4.5b,3.4L
ISC Event type ke.
IDC Error ellipse: s-maj=96.0km s-min=21.0km az=66.0.
ISC I 14 17 11 17.4–1.0 13.47N–.04 120.45E–.06 52–10 3.4b 20 0-46
MAN I 14 17 11 16.6 13.51N 120.49E 40 4.4b,3.2L **¶610237368**
IDC I 14 17 11 17.6–1.4 14.30N 120.08E 0 3.4,3.4b
ISC Event type ke.
IDC Error ellipse: s-maj=178.8km s-min=23.2km az=67.0.
IDC I 15 02 38 51.7–3.0 13.13N 120.06E 0 3.5,3.5b
¶610237408
IDC Error ellipse: s-maj=391.8km s-min=25.1km az=61.0.
ISC I 15 09 03 59.8–1.7 13.42N–.06 120.05E–.08 4–12 3.7b 19 0-50
MAN I 15 09 03 59.6 13.48N 119.94E 9 4.5b,3.3L **¶610237428**
IDC I 15 09 04 00.6–2.0 13.52N 121.15E 0 3.9,3.8b
ISC Event type ke.
IDC Error ellipse: s-maj=86.9km s-min=23.4km az=52.0.
ISC I 17 00 07 18.9–.95 13.79N–.09 120.3E–.10 150 3.5b 8 0-49
IDC I 17 00 07 01.2–1.2 13.77N 120.59E 0 3.6,3.6b **¶610237551**
MAN I 17 00 07 20.9 13.88N 120.51E 168 4.3b,3.1L
ISC Event type ke.
IDC Error ellipse: s-maj=163.6km s-min=19.3km az=66.0.
ISC I 23 14 02 07.1–.49 13.88N–.06 120.45E–.09 150 4.0b 35 0-152
NEIC I 23 14 02 05.7–1.5 13.9N–.10 120.7E–.20 144–1 4.3b **¶610235201**
MAN I 23 14 02 08.8 13.87N 120.56E 157 4.6b,3.5L
IDC I 23 14 02 08.4–6.2 13.82N 120.81E 172–61 3.9,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=29.9km s-min=15.3km az=81.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=35.9km s-min=12.6km az=67.0.
ISC I 26 22 55 07.2–.58 13.66N–.08 120.61E–.09 70 4.4b 29 0-87
MAN I 26 22 54 58.9 13.60N 120.06E 1 5.0b,3.9L **¶610235419**
IDC I 26 22 54 58.4–1.1 13.86N 120.79E 0 4.0,4.0b
NEIC I 26 22 55 08.0–.56 13.58N–.09 120.5E–.10 61–10 4.5b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 04 16 29 14.8–.62 13.51N–.05 120.77E–.06 123–5 3.9b 50 0-93
IDC II 04 16 29 15.8–4.6 13.52N 120.92E 136–45 4.0,3.6b **¶610414829**
MAN II 04 16 29 16.1 13.57N 120.70E 101 4.4b,3.2L
ISC Event type ke.
IDC Error ellipse: s-maj=16.7km s-min=12.2km az=88.0.
ISC II 08 20 54 20.5–.57 13.93N–.03 120.52E–.06 104–5 4.2b 71 0-93
IDC II 08 20 54 19.7–8.7 14.05N 120.94E 104–83 4.0,3.6b **¶610415141**
MAN II 08 20 54 20.3 13.95N 120.38E 79 4.7b,3.6L
NEIC II 08 20 54 24.9–.89 13.97N–.05 120.9E–.20 147–10 4.3b,3.6L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN II 09 22 29 53.6 13.84N 120.51E 196 3.9b,2.7L
¶615934734
ISC II 12 12 12 57.5–1.3 13.7N–.10 121.1E–.20 150 3.3b 8 2-46
IDC II 12 12 12 41.2–1.4 13.71N 121.25E 0 3.5,3.4b **¶610415379**
MAN II 12 12 13 01.8 13.62N 120.60E 139 4.0b,2.8L
ISC Event type ke.
IDC Error ellipse: s-maj=62.4km s-min=20.4km az=59.0.
ISC II 13 11 50 57.7–.81 13.6N–.10 120.7E–.10 150 3.4b 16 0-49
IDC II 13 11 50 54.0–12 13.68N 120.96E 102–116 3.6,3.3s **¶610415450**
MAN II 13 11 50 58.9 13.61N 120.58E 116 4.1b,2.9L
ISC Event type ke.
IDC Error ellipse: s-maj=68.8km s-min=17.0km az=64.0.
MAN II 25 12 42 23.0 13.66N 120.63E 28 3.5b,2.1L
¶615935056
ISC II 27 14 44 02.3–1.0 13.6N–.10 120.8E–.20 100 3.6b 9 1-151
IDC II 27 14 43 50.3–1.1 13.67N 120.85E 0 3.5,3.5b **¶610385132**
ISC Event type ke.
IDC Error ellipse: s-maj=169.9km s-min=18.9km az=66.0.
ISC III 01 05 10 48.5–.34 13.85N–.03 120.53E–.04 120 4.5b 178 0-93
MAN III 01 05 10 49.3 13.83N 120.53E 117 4.8b,3.7L **¶610242133**
IDC III 01 05 10 53.7–3.5 13.87N 120.78E 180–34 4.5,4.0b
NEIC III 01 05 10 55.9–1.7 13.89N–.09 120.6E–.10 190–7 4.5b,4.0b
DJA III 01 05 10 59.9–1.7 14N–6.0 121E–11 232–19 5.1b,4.4
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s19.71254°,δ23.91312°,λ-170.09589°. NP2: ϕ_s280.64380°,δ86.00208°,λ-66.40406°. Principal axes: T Plg36.6632°,Azm349.9819° ; N Plg23.5350°,Azm98.8994°; P Plg44.0838°,Azm213.8495°
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN III 06 18 43 56.7 13.83N 120.84E 29 3.9b,2.7L
¶616058445
ISC III 13 02 48 48.7–.30 13.91N–.04 120.72E–.06 150 4.5b 398 0-152
BJI III 13 02 48 49.8–.00 13.95N 120.85E 171 4.9b,4.4b **¶610326099**
IDC III 13 02 48 51.0–2.4 13.89N 120.75E 172–21 4.4,4.0b
NEIC III 13 02 48 50.3–1.5 13.92N–.08 120.7E–.10 164–7 4.6b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 14 14 06 16.1–.63 13.68N–.04 120.62E–.05 140–5 4.0b 66 0-120
NEIC III 14 14 06 14.2–1.3 13.6N–.10 120.8E–.20 118–8 4.2b **¶610546205**
IDC III 14 14 06 15.0–8.8 13.62N 120.88E 132–84 3.8,3.3b
MAN III 14 14 06 16.5 13.68N 120.59E 122 4.5b,3.3L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=22.0km s-min=16.5km az=88.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=53.3km s-min=14.2km az=65.0.
ISC III 16 17 28 34.5–.47 13.91N–.03 120.67E–.04 194–4 4.3b 212 0-147
MAN III 16 17 28 34.6 13.92N 120.58E 186 5.2b,4.4s **¶610330754**
NEIC III 16 17 28 35.7–1.5 13.93N–.07 120.8E–.10 204–7 4.4b,4.4s
DJA III 16 17 28 36.2–.50 14N–4.0 121E–3.0 206–4 5.2b,4.6
IDC III 16 17 28 40.6–2.0 13.82N 120.71E 260–19 4.2,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.0km s-min=10.5km az=75.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=19.4km s-min=7.4km az=66.0.
IDC III 17 22 28 48.2–8.1 13.94N 120.06E 0 3.8,3.8b
¶610546418
IDC Error ellipse: s-maj=189.9km s-min=142.3km az=97.0.
MAN III 20 16 47 37.5 13.87N 120.57E 8 3.6b,2.3L
¶616058691
MAN III 20 18 25 47.5 13.78N 120.90E 30 3.8b,2.5L
¶616058695
ISC III 20 23 58 05.4–.78 13.74N–.05 120.48E–.07 111–6 3.8b 27 0-80
IDC III 20 23 57 51.8–1.0 13.89N 121.04E 0 3.7,3.7b **¶610543364**
MAN III 20 23 58 06.3 13.79N 120.53E 92 4.1b,2.8L
ISC Event type ke.
IDC Error ellipse: s-maj=135.3km s-min=20.0km az=68.0.
ISC III 31 05 44 43.2–.93 13.73N–.05 120.62E–.09 144–7 3.5b 21 0-50
MAN III 31 05 44 43.9 13.78N 120.55E 126 4.3b,3.1L **¶610544027**
IDC III 31 05 44 43.2–2.1 13.66N 120.83E 144–44 3.6,3.1b
ISC Event type ke.
IDC Error ellipse: s-maj=316.7km s-min=17.3km az=63.0.
ISC IV 04 12 58 45.7–.43 13.65N–.02 120.98E–.02 17–2 5.3b,4.5s 818 0-178
IDC IV 04 12 58 42.5–.48 13.57N 121.01E 0 4.8,4.8b **¶610482611**
BJI IV 04 12 58 45.6–.00 13.37N 121.23E 44 5.1b,4.8s
MAN IV 04 12 58 45.1 13.69N 120.93E 6 5.9b,5.5s
NEIC IV 04 12 58 45.5–1.9 13.59N–.06 121.05E–.08 18–3 5.3b,5.1
GCMT IV 04 12 58 48.5–.20 13.82N–.01 121.00E–.01 17–1 5.2W,5.1
MOS IV 04 12 58 48.4–.96 13.61N 120.98E 55 5.4b,4.4s
NEIC IV 04 12 58 52.6 13.64N 121.05E 26 5.4b,4.4s
DJA IV 04 12 58 52.7–.60 14N–3.0 121E–3.0 81–6 5.6b,5.3b
NEIC IV 04 12 58 52.6 13.74N 120.74E 26 5.6b,5.3b
ISC Event type fe.
IDC Error ellipse: s-maj=13.8km s-min=10.0km az=82.0.

MAN Event type fe. INTENSITY VI - TINGLOY AND MABINI BATANGAS; BATANGAS CITY; INTENSITY V - MALVAR TAAL BAUAN AND CALATAGAN BATANGAS; INTENSITY IV - SAN NICOLAS CUENCA LEMERY AND LIPA CITY BATANGAS; MAKATI CITY; MANILA CITY; ; VALENZUELA CITY; OBANDO BULACAN; SILANG NOVELETA IMUS AMADEO AND INDANG CAVITE; ; TAGAYTAY CITY; CALAMBA SAN PABLO AND LOS BANOS LAGUNA;CALAPAN CITY; PUERTO GALERA; ORIENTAL MINDORO; INTENSITY III - SAN JOSE AND TALISAY BATANGAS; NAUJAN PINAMALAYAN ORIENTAL MINDORO; PALUAN; OCCIDENTAL MINDORO; MANDALUYONG CITY; QUEZON CITY; PASIG CITY; LAS PINAS CITY; TAGUIG CITY; ; PASAY CITY; GEN. TRIAS ROSARIO MOLINO AND DASMARINAS CAVITE ; LUCENA CITY; STA. ROSA LAGUNA;; INTENSITY II - ABRA DE ILOG OCCIDENTAL MINDORO; MEYCAUAYAN; BULACAN; CALAUAG AND GUMACA QUEZON.
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=8.7km az=91.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s40,c52; s106,c163;Duration: 1s0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.67±.23 $M_{\theta\theta}$-4.25±.17; $M_{\phi\phi}$6.93±.17; $M_{r\theta}$4.27±.62; $M_{\theta\phi}$1.97±.12; $M_{\phi r}$-1.60±.40; Best double couple: NP1:ϕ_s331.00000°,δ68.00000°,λ-146.00000°. NP2:ϕ_s227.00000°,δ59.00000°,λ-26.00000°. Principal axes: T 7.3550,Plg6.0000° ,Azm98.0000°; N 0.8820,Plg50.0000°,Azm0.0000°; P -8.2270,Plg39.0000°,Azm192.0000° $M_0$7.79100×10^{16}
MOS Error ellipse: s-maj=6.9km s-min=4.0km az=111.4.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 1s9 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.37 $M_{\theta\theta}$-2.72 $M_{\phi\phi}$6.09 $M_{r\theta}$2.58 $M_{\theta\phi}$2.51 $M_{\phi r}$-0.24 NP1:ϕ_s229.94000°,δ62.07000° ,λ-37.01000°. NP2:ϕ_s339.38000°,δ57.87000°,λ-146.42000°. Principal axes: T 6.7753,Plg3.0000°,Azm286.0000°; N -0.8312,Plg45.0000°,Azm18.0000° ; P -5.9440,Plg45.0000°,Azm193.0000° $M_0$6.36000×10^{16}

ISC IV 04 13 00 08.9–.67 13.71N–.09 121.3E–.10 19 4.6b,4.3s 22 1-73
IDC IV 04 13 00 06.7–2.1 13.72N 121.35E 0 4.3s,4.2 ¶610651915
NEIC IV 04 13 00 08.3–1.1 13.71N–.09 121.3E–.10 12–6 4.7b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC IV 04 13 11 09.3–1.3 13.55N–.04 121.00E–.04 3–9 3.6b 33 1-93
IDC IV 04 13 11 08.7–1.1 13.59N 121.20E 0 3.6,3.6b ¶610651917
MAN IV 04 13 11 10.5 13.65N 120.94E 1 4.8b,3.7L
ISC Event type ke.
IDC Error ellipse: s-maj=48.2km s-min=9.0km az=65.0.

MAN IV 04 13 26 22.4 13.69N 120.94E 5 4.1b,2.9L
¶616498034

ISC IV 04 14 10 02.4–.97 13.56N–.03 121.00E–.03 25–7 4.7b,4.1s 203 1-119
IDC IV 04 14 09 58.2–.50 13.52N 120.95E 0 4.3,4.3b ¶610482619
NEIC IV 04 14 10 00.7–1.5 13.56N–.07 121.0E–.10 10–1 4.7b,4.3b
MAN IV 04 14 10 00.0 13.64N 120.92E 4 4.4b,3.2L
BJI IV 04 14 10 01.4–.00 13.21N 121.07E 45 4.8b,4.5b
GCMT IV 04 14 10 02.7–.40 13.83N–.03 121.06E–.03 21–1 5.0W,4.5b
DJA IV 04 14 10 18.3–1.1 14N–4.0 121E–4.0 182–12 5.3b,4.7
ISC Event type fe.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN Event type fe. INTENSITY III - LEMERY BATANGAS; BATANGAS CITY AND TAGAYTAY CITY; INTENSITY II - PALUAN OCCIDENTAL MINDORO; INDANG MENDEZ AMADEO CAVITE AND LUCBAN QUEZON; THIS IS AN AFTERSHOCK OF 2017 M5.5 BATANGAS EARTHQUAKE EVENT.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s19,c19; s68,c87;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.09±.30 $M_{\theta\theta}$-0.88±.16; $M_{\phi\phi}$2.97±.19; $M_{r\theta}$1.95±.41; $M_{\theta\phi}$0.67±.10; $M_{\phi r}$-1.47±.29; Best double couple: NP1:ϕ_s336.00000°,δ67.00000°,λ-127.00000°. NP2:ϕ_s219.00000°,δ43.00000°,λ-35.00000°. Principal axes: T 3.3720,Plg14.0000° ,Azm92.0000°; N 0.5210,Plg34.0000°,Azm353.0000°; P -3.8920,Plg53.0000°,Azm202.0000° $M_0$3.63200×10^{16}

ISC IV 04 14 38 52.9–1.1 13.63N–.07 120.92E–.08 10 3.4b 14 0-56
IDC IV 04 14 38 51.7–1.2 13.55N 120.84E 0 3.4,3.4b ¶610651924
MAN IV 04 14 38 53.7 13.69N 120.94E 8 4.6b,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=38.0km s-min=9.5km az=97.0.

ISC IV 04 14 44 21.6–1.1 13.55N–.03 120.98E–.03 13–6 4.7b,4.2s 220 1-119
IDC IV 04 14 44 19.4–.47 13.54N 120.93E 0 4.7L,4.4 ¶610482621
MAN IV 04 14 44 20.6 13.67N 120.94E 1 5.3b,4.4s
NEIC IV 04 14 44 21.4–1.3 13.59N–.07 121.1E–.10 10–1 4.9b,4.4s
BJI IV 04 14 44 22.5–.00 13.25N 121.31E 47 4.8b,4.5b
DJA IV 04 14 44 31.7–.50 14N–3.0 121E–3.0 97–5 5.5b,5.2
ISC Event type fe.
MAN Event type fe. INTENSITY III - LEMERY BATANGAS AND PUERTO GALERA ORIENTAL MINDORO; INTENSITY II - AMADEO CAVITE; LOS BANOS LAGUNA; TAGAYTAY CITY AND PALUAN OCCIDENTAL ; MINDORO; THIS IS AN AFTERSHOCK OF 2017 M5.5 BATANGAS EARTHQUAKE EVENT.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC IV 04 15 13 48.0–.97 13.65N–.02 121.02E–.03 18–5 5.2b,4.2s 449 0-119
IDC IV 04 15 13 44.1–.57 13.51N 120.84E 0 4.7,4.7b ¶610482623
MOS IV 04 15 13 45.9–.89 13.62N 120.94E 18 5.3b,4.7b
MAN IV 04 15 13 47.1 13.66N 120.93E 9 5.6b,4.9s
NEIC IV 04 15 13 47.1–1.8 13.68N–.08 121.13E–.09 10–1 5.3b,4.9s
GCMT IV 04 15 13 50.1–.30 14.05N–.02 121.08E–.02 18–1 5.1W,4.9s
DJA IV 04 15 13 54.2–.90 14N–7.0 121E–4.0 78–7 5.3,5.2b
BJI IV 04 15 13 54.9–.00 13.80N 121.00E 83 5.2b,4.8b
ISC Event type fe.
IDC Error ellipse: s-maj=21.6km s-min=8.3km az=99.0.
MOS Error ellipse: s-maj=9.3km s-min=5.4km az=104.0.
MAN Event type fe. INTENSITY IV- LEMERY BATANGAS AND AMADEO CAVITE; INTENSITY II - TAGAYTAY CITY.
NEIC Event type se. Error ellipse: s-maj=14.8km s-min=12.8km az=92.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s24,c27; s90,c133;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.61±.27 $M_{\theta\theta}$-0.58±.14; $M_{\phi\phi}$4.19±.19; $M_{r\theta}$4.87±.59; $M_{\theta\phi}$0.10±.10; $M_{\phi r}$-2.23±.33; Best double couple: NP1:ϕ_s319.00000°,δ73.00000°,λ-117.00000°. NP2:ϕ_s200.00000°,δ32.00000°,λ-33.00000°. Principal axes: T 5.1750,Plg23.0000° ,Azm70.0000°; N 2.3180,Plg26.0000°,Azm327.0000°; P -7.4950,Plg54.0000°,Azm196.0000° $M_0$6.33500×10^{16}

ISC IV 04 15 34 06.7–1.3 13.56N–.04 121.01E–.04 4–11 3.5b 17 1-39
IDC IV 04 15 34 06.4–1.1 13.54N 121.03E 0 3.7,3.6b ¶616498050
MAN IV 04 15 34 08.0 13.65N 120.89E 13 4.3b,3.2L
ISC Event type ke.
IDC Error ellipse: s-maj=43.7km s-min=8.7km az=80.0.

ISC IV 04 15 54 39.6–1.3 13.59N–.05 120.96E–.05 3–10 3.1b 18 0-39
IDC IV 04 15 54 40.1–1.2 13.55N 121.00E 0 3.3,3.3b ¶610651931
MAN IV 04 15 54 42.4 13.70N 120.93E 10 4.3b,3.1L
ISC Event type ke.
IDC Error ellipse: s-maj=43.9km s-min=9.4km az=83.0.

ISC IV 04 16 49 01.4–.23 13.72N–.02 120.99E–.03 10 5.1b,4.3s 738 0-174
IDC IV 04 16 48 58.5–.45 13.56N 121.01E 0 4.6,4.6b ¶610482628
MOS IV 04 16 49 00.2–.98 13.68N 120.95E 16 5.2b,4.6b
MAN IV 04 16 49 01.1 13.69N 120.93E 7 5.6b,4.9s
NEIC IV 04 16 49 02.2–1.8 13.77N–.06 120.97E–.09 10–1 5.2b,4.9s
GCMT IV 04 16 49 04.2–.20 13.80N–.01 120.99E–.01 19–1 5.1W,4.9s
BJI IV 04 16 49 07.4–.00 13.71N 121.08E 79 5.0b,4.7b
DJA IV 04 16 49 09.3–.40 14N–3.0 121E–2.0 73–4 5.3b,5.1
ISC Event type fe.
MAN Event type fe. INTENSITY IV- MABINI LEMERY BATANGAS; AMADEO CAVITE; INTENSITY III - TAGAYTAY CITY; QUEZON CITY; PASIG CITY; PASAY CITY;; GEN. TRIAS CAVITE; LOS BANOS LAGUNA; INTENSITY II - TALISAY BATANGAS.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s37,c44; s105,c170;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.09±.15 $M_{\theta\theta}$-4.17±.11; $M_{\phi\phi}$5.26±.14; $M_{r\theta}$1.01±.24; $M_{\theta\phi}$0.93±.09; $M_{\phi r}$0.31±.25; Best double couple: NP1:ϕ_s229.00000°,δ81.00000°,λ-14.00000°. NP2:ϕ_s321.00000°,δ76.00000°,λ-171.00000°. Principal axes: T 5.3760,Plg4.0000° ,Azm276.0000°; N -0.8390,Plg74.0000°,Azm19.0000°; P -4.5370,Plg16.0000° ,Azm185.0000° $M_0$4.95700×10^{16}

IDC IV 04 16 51 48.4–1.9 13.69N 121.21E 0 3.5,3.4b
¶610651933
IDC Error ellipse: s-maj=81.6km s-min=10.9km az=61.0.

MAN IV 04 17 11 30.9 13.83N 120.85E 12 3.9b,2.7L
¶616498068

ISC IV 04 17 33 48.8–1.2 13.58N–.08 121.03E–.06 10 3.2b 10 1-39
MAN IV 04 17 33 46.5 13.48N 120.97E 4 4.5b,3.3L ¶610651937
IDC IV 04 17 33 47.3–1.6 13.63N 121.22E 0 3.2,3.1b
ISC Event type ke.
IDC Error ellipse: s-maj=70.4km s-min=9.5km az=63.0.

ISC IV 04 19 01 17.0–.93 13.65N–.08 120.92E–.04 10 3.3b 16 0-46
IDC IV 04 19 01 15.3–1.2 13.54N 120.82E 0 3.3,3.3b ¶610651941
MAN IV 04 19 01 17.8 13.70N 120.91E 10 4.4b,3.3L
ISC Event type ke.
IDC Error ellipse: s-maj=42.3km s-min=9.1km az=95.0.

ISC IV 04 20 15 28.0–1.2 13.77N–.06 120.87E–.06 35 3.4b 12 0-39
IDC IV 04 20 15 24.6–1.4 13.61N 121.22E 0 3.3,3.3b ¶610651947
MAN IV 04 20 15 26.8 13.75N 120.95E 17 4.7b,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=152.4km s-min=9.6km az=63.0.

MAN IV 05 03 21 30.4 13.79N 120.90E 42 3.8b,2.5L
¶616498107

ISC IV 05 04 03 36.7–1.1 13.65N–.02 120.91E–.03 13–8 3.8b 50 0-46
IDC IV 05 04 03 34.7–1.0 13.49N 120.89E 0 3.7,3.7b ¶610651961
MAN IV 05 04 03 37.5 13.75N 120.89E 26 4.8b,3.7L
ISC Event type ke.
IDC Error ellipse: s-maj=33.3km s-min=8.9km az=91.0.

ISC IV 05 04 34 29.2–.98 13.72N–.03 120.90E–.03 15–7 3.3b 34 0-39
IDC IV 05 04 34 24.6–2.4 12.84N 118.39E 0 3.4,3.4b ¶610651963
MAN IV 05 04 34 29.4 13.83N 120.90E 30 4.3b,3.1L
ISC Event type ke.
IDC Error ellipse: s-maj=315.0km s-min=27.4km az=71.0.
MAN Event type fe. PEIS IV - MABINI BATANGAS; PEIS II - MANILA CITY.

ISC IV 05 06 26 26.2–1.1 13.71N–.02 121.00E–.03 5–8 3.8b 47 0-39
IDC IV 05 06 26 24.9–1.1 13.60N 121.16E 0 3.9,3.8b ¶610651969
MAN IV 05 06 26 26.6 13.73N 120.91E 3 4.5b,3.4L
ISC Event type fe.
IDC Error ellipse: s-maj=54.7km s-min=8.5km az=68.0.
MAN Event type fe. PEIS III - BATANGAS CITY.

ISC IV 05 06 31 48.5–.94 13.71N–.02 120.93E–.03 11–7 3.8b 46 0-56
IDC IV 05 06 31 46.2–.99 13.56N 121.02E 0 3.8,3.8b ¶610651971
MAN IV 05 06 31 48.7 13.80N 120.91E 20 4.8b,3.8L
ISC Event type fe.
IDC Error ellipse: s-maj=39.7km s-min=8.5km az=80.0.
MAN Event type fe. INTENSITY IV - BATANGAS CITY; THIS IS AN AFTERSHOCK OF 2017 M5.5 BATANGAS EARTHQUAKE EVENT.

ISC IV 05 10 36 22.1–.89 13.61N–.02 121.00E–.03 16–6 3.7b 38 0-93
IDC IV 05 10 36 19.6–.92 13.66N 121.34E 0 3.7,3.6b ¶610651999
MAN IV 05 10 36 22.7 13.86N 120.88E 29 4.4b,3.3L
ISC Event type ke.
IDC Error ellipse: s-maj=43.5km s-min=8.3km az=52.0.

ISC IV 05 14 32 43.6–.76 13.66N–.03 121.03E–.04 26–5 4.5b,3.7s 125 0-93
IDC IV 05 14 32 39.5–.63 13.57N 121.09E 0 4.1,4.1b ¶610502378
NEIC IV 05 14 32 41.0–1.4 13.66N–.04 121.18E–.09 10–5 4.6b,4.1b
MAN IV 05 14 32 42.0 13.73N 120.94E 10 5.4b,4.6s
ISC Event type fe.
IDC Error ellipse: s-maj=26.3km s-min=7.9km az=73.0.
NEIC Event type se. Error ellipse: s-maj=14.1km s-min=2.3km az=64.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN Event type fe.

MAN IV 05 20 03 54.8 13.79N 120.89E 26 3.6b,2.3L
¶616498157

ISC IV 06 02 29 39.7–.92 13.69N–.03 120.95E–.03 15–7 3.5b 30 0-59
IDC IV 06 02 29 36.4–1.7 13.48N 120.98E 0 3.6s,3.4 ¶610652042
MAN IV 06 02 29 40.6 13.81N 120.82E 21 4.5b,3.3L
ISC Event type fe.
IDC Error ellipse: s-maj=129.8km s-min=10.1km az=83.0.
MAN Event type fe. INTENSITY III - MABINI BATANGAS.

ISC IV 06 13 06 18.3–1.3 13.56N–.05 121.1E–.10 100 3.3b 14 1-46
IDC IV 06 13 06 03.4–1.9 13.88N 121.46E 0 3.3,3.3b ¶610652079
MAN IV 06 13 06 20.3 13.57N 120.65E 109 4.6b,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=83.8km s-min=23.4km az=53.0.

ISC IV 06 15 25 22.6–1.0 13.70N–.03 120.95E–.03 9–8 3.4b 31 0-39
IDC IV 06 15 25 20.9–1.1 13.59N 121.10E 0 3.4,3.4b ¶610652085
MAN IV 06 15 25 22.5 13.72N 120.95E 9 4.8b,3.7L
ISC Event type ke.
IDC Error ellipse: s-maj=41.8km s-min=8.6km az=73.0.

MAN IV 07 22 45 55.9 13.72N 120.97E 34 3.6b,2.4L
¶616498220

ISC IV 08 00 29 16.2–1.1 13.64N–.03 120.92E–.03 12–8 3.4b 31 0-54
IDC IV 08 00 29 14.3–1.3 13.22N 120.27E 0 4.4s,3.5 ¶610652189
MAN IV 08 00 29 16.8 13.71N 120.97E 5 5.1b,4.1s
ISC Event type ke.
IDC Error ellipse: s-maj=149.7km s-min=22.0km az=68.0.

ISC IV 08 07 07 58.6–.35 13.65N–.02 120.94E–.03 26–2 5.7s,5.5b 1145 0-178
IDC IV 08 07 07 53.4–.34 13.58N 120.85E 0 5.4s,4.9 ¶616566854
MAN IV 08 07 07 55.0 13.66N 120.88E 8 6.2b,5.8s
MOS IV 08 07 07 55.7–.90 13.68N 120.85E 22 5.6b,5.6s
NEIC IV 08 07 07 56.7–1.5 13.71N–.06 120.93E–.07 10–3 5.6b,5.5
KLM IV 08 07 07 56 13.95N 121.16E 10 5.3b,5.5
NEIC IV 08 07 07 57 13.71N 120.93E 12 5.3b,5.5
NEIC IV 08 07 07 57 13.81N 121.14E 12 5.3b,5.5
BJI IV 08 07 07 59.2–.00 13.74N 121.01E 50 5.9s,5.6
DJA IV 08 07 08 00.6–.20 14N–2.0 121E–2.0 44–2 5.8b,5.7
NEIC IV 08 07 08 01.3 13.72N 120.89E 43 5.8b,5.7
ISC Event type fe. Moment Tensor Solution. NP1:ϕ_s24.31637°,δ86.01547°,λ-27.47205°. NP2: ϕ_s116.38554°,δ62.59994°,λ-175.51100°. Principal axes: T Plg16.0381°,Azm73.5650° ; N Plg62.2628°,Azm196.7043°; P Plg21.9963°,Azm336.8967°
IDC Error ellipse: s-maj=10.9km s-min=6.6km az=92.0.
MAN Event type fe. INTENSITY VII - MABINI BATANGAS; INTENSITY VI - CALATAGAN NASUGBU AND TINGLOY BATANGAS; INTENSITY V - BATANGAS CITY STO. TOMAS AND LEMERY BATANGAS; TAGAYTAY CITY; INTENSITY IV- DASMARINAS CAVITE: LUCENA CITY; PATEROS CITY; INTENSITY III - MAKATI CITY; PASAY CITY; QUEZON CITY; MUNTINLUPA CITY; MALABON CITY; ; MANDALUYONG CITY; BACOOR CAVITE; INTENSITY II - DAET CAMARINES NORTE.
MOS Error ellipse: s-maj=7.8km s-min=4.3km az=110.1.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=8.7km az=81.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.14 $M_{\theta\theta}$-1.30 $M_{\phi\phi}$1.16 $M_{r\theta}$-0.19 $M_{\theta\phi}$0.20 $M_{\phi r}$-0.29 NP1:ϕ_s138.85000°,δ74.18000°,λ173.66000°. NP2:ϕ_s230.59000°,δ83.90000° ,λ15.91000°. Principal axes: T 1.2607,Plg16.0000°,Azm96.0000°; N 0.0718,Plg73.0000° ,Azm251.0000°; P -1.3325,Plg7.0000°,Azm4.0000° $M_0$1.30000×10^{17}
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2s8 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.03 $M_{\theta\theta}$-2.02 $M_{\phi\phi}$2.05 $M_{r\theta}$-0.30 $M_{\theta\phi}$-0.19 $M_{\phi r}$0.83 NP1:ϕ_s311.16000°,δ81.92000° ,λ160.20000°. NP2:ϕ_s44.06000°,δ70.40000°,λ8.58000°. Principal axes: T 2.3591,Plg20.0000°,Azm266.0000°; N -0.2927,Plg69.0000°,Azm110.0000° ; P -2.0664,Plg8.0000°,Azm359.0000° $M_0$2.21000×10^{17}
NEIC Event type se.

ISC IV 08 07 09 23.8–.41 13.68N–.02 120.94E–.02 25–2 5.7s,5.5b 913 0-171
IDC IV 08 07 09 19.1–.37 13.55N 120.86E 0 5.6s,5.2 ¶610639847
MAN IV 08 07 09 20.5 13.66N 120.88E 2 6.3b,6.0s
BJI IV 08 07 09 21.9–.00 13.49N 121.20E 41 6.0s,5.7
NEIC IV 08 07 09 23.2–1.6 13.77N–.06 120.94E–.08 14–3 5.9,5.8
GCMT IV 08 07 09 24.2–.10 13.75N 120.96E 16–0 5.9W,5.8

NEIC IV 08 07 09 24.5 13.74N 121.02E 24 5.9W,5.8
NEIC IV 08 07 09 24.5 13.74N 120.91E 22 5.9W,5.8
NEIC IV 08 07 09 24.5 13.74N 120.91E 24 5.9W,5.8
ISC Event type fe.
IDC Error ellipse: s-maj=11.1km s-min=7.1km az=91.0.
MAN Event type fe. INTENSITY VII - MABINI BATANGAS; INTENSITY VI - TINGLOY BAUAN CALATAGAN CUENCA CALACA AND NASUGBU BATANGAS; INTENSITY V - BATANGAS CITY STO. TOMAS SAN PASCUAL AND TANAUAN BATANGAS; SAN PABLO ; LAGUNA;GEN. EMILIO AGUINALDO & INDANG CAVITE; CALAPAN & PUERTO GALERA OR. MINDORO; ; TAGAYTAYCITY; INTENSITY IV- LEMERY & TAAL BATANGAS; OBANDO BULACAN; SAN TEODORO OR. MINDORO; MAMBURAO ; &SAN JOSE OCC. MINDORO; CALOOCAN CITY; VALENZUELA CITY; DASMARINAS CAVITE; STA. CRUZ & ; CALAMBA LAGUNA; LUCENA CITY; PATEROS; MANILA CITY; ; INTENSITY III - MAKATI CITY; PASIG CITY; PASAY CITY; QUEZON CITY; MUNTINLUPA CITY; MALABON CITY; ; MANDALUYONG CITY; TAGUIG CITY; IMUS AND BACOOR CAVITE; LUCBAN SAN ANDRES & SARIAYA ; QUEZON;DAET CAM.NORTE; STA. ROSA LAGUNA; GEN. TRIAS CAVITE; BOCAUE & MALOLOS BULACAN; ; SANFERNANDOPAMPANGA; INTENSITY II - CALUMPIT BULACAN; GUINAYANGAN QUEZON.
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=8.8km az=83.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.09 $M_{\theta\theta}$-6.10 $M_{\phi\phi}$6.19 $M_{r\theta}$-0.21 $M_{\theta\phi}$-1.10 $M_{\phi r}$-0.84 NP1:ϕ_s129.70000°,δ83.02000°,λ176.75000°. NP2:ϕ_s220.10000°,δ86.77000°,λ6.99000°. Principal axes: T 6.3970,Plg7.0000°,Azm85.0000° ; N -0.1854,Plg82.0000°,Azm245.0000°; P -6.2116,Plg3.0000°,Azm355.0000° $M_0$6.31000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s307; s168,c494; Duration: 2s3 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.18±.01 $M_{\theta\theta}$-0.92±.01; $M_{\phi\phi}$1.10±.01; $M_{r\theta}$0.01±.02; $M_{\theta\phi}$-0.04±.01; $M_{\phi r}$0.15±.02; Best double couple: NP1:ϕ_s44.00000°,δ86.00000°,λ5.00000°. NP2:ϕ_s314.00000°,δ85.00000°,λ176.00000°. Principal axes: T 1.1190,Plg7.0000°,Azm269.0000°; N -0.2030,Plg83.0000°,Azm81.0000° ; P -0.9200,Plg1.0000°,Azm179.0000° $M_0$1.02000×10^{18}
NEIC Event type se. Moment Tensor Solution.Duration: 4s7 Moment tensor: Scale 10^{17}Nm; M_{rr}1.72 $M_{\theta\theta}$-10.35 $M_{\phi\phi}$8.63 $M_{r\theta}$-0.54 $M_{\theta\phi}$0.46 $M_{\phi r}$2.00 NP1:ϕ_s315.36000°,δ81.50000°,λ167.31000°. NP2:ϕ_s47.27000°,δ77.46000°,λ8.71000°. Principal axes: T 9.1767,Plg15.0000°,Azm271.0000°; N 1.2144,Plg75.0000°,Azm102.0000° ; P -10.3911,Plg3.0000°,Azm2.0000° $M_0$9.78000×10^{17}
NEIC Event type se.
NEIC Event type se.
ISC IV 08 07 23 54.2–1.3 13.59N–.02 120.97E–.03 1–9 3.9b 47 1-93
IDC IV 08 07 23 53.5–.81 13.54N 120.94E 0 3.9,3.9b **¶610652209**
MAN IV 08 07 23 54.5 13.63N 120.96E 2 4.4b,3.3L
ISC Event type ke.
IDC Error ellipse: s-maj=36.3km s-min=8.7km az=86.0.
ISC IV 08 07 29 10.4–.81 13.68N–.02 120.92E–.02 17–5 4.9b 519 0-167
MOS IV 08 07 29 08.9–1.1 13.66N 120.99E 22 5.1b **¶610521484**
IDC IV 08 07 29 08.8–2.0 13.61N 120.87E 11–11 4.6s,4.6
MAN IV 08 07 29 09.1 13.67N 120.92E 6 5.5b,4.7s
NEIC IV 08 07 29 09.6–1.9 13.78N–.07 121.1E–.10 10–1 5.0b,4.7s
BJI IV 08 07 29 11.6–.00 13.71N 121.19E 38 5.1s,5.0
GCMT IV 08 07 29 11.6–.40 13.75N–.04 120.95E–.03 12 5.0W,5.0
DJA IV 08 07 29 16.4–.60 14N–3.0 121E–3.0 63–5 5.7b,5.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s1,c1; s76,c100;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.61±.20 $M_{\theta\theta}$-1.22±.16; $M_{\phi\phi}$3.82±.15; $M_{r\theta}$1.99±.74; $M_{\theta\phi}$1.01±.12; $M_{\phi r}$0.10±.49; Best double couple: NP1:ϕ_s222.00000°,δ59.00000°,λ-47.00000°. NP2:ϕ_s340.00000°,δ51.00000°,λ-139.00000°. Principal axes: T 4.0530,Plg5.0000°,Azm283.0000°; N -0.0080,Plg36.0000°,Azm16.0000°; P -4.0550,Plg54.0000°,Azm186.0000° $M_0$4.05400×10^{16}
MAN IV 08 07 37 15.7 12.13N 120.52E 19 3.7b,2.5L
¶616498238
MAN IV 08 07 37 40.0 13.74N 120.83E 11 3.8b,2.6L
¶616498241
ISC IV 08 07 39 37.2–.88 13.64N–.02 120.94E–.03 12–6 3.6b 49 0-93
IDC IV 08 07 39 35.4–1.0 13.54N 121.02E 0 3.6,3.6b **¶610652210**
MAN IV 08 07 39 37.0 13.64N 120.85E 12 4.4b,3.2L
ISC Event type ke.
IDC Error ellipse: s-maj=36.3km s-min=9.2km az=81.0.
ISC IV 08 07 53 30.0–1.2 13.73N–.04 120.89E–.03 8–9 3.7b 25 0-93
IDC IV 08 07 53 28.6–1.1 13.71N 121.10E 0 3.6,3.6b **¶616498258**
MAN IV 08 07 53 31.0 13.80N 120.83E 24 4.0b,2.7L
ISC Event type ke.
IDC Error ellipse: s-maj=38.8km s-min=22.3km az=66.0.
ISC IV 08 08 36 36.3–.74 13.62N–.02 121.04E–.02 20–3 4.6b,4.1s 182 0-119
IDC IV 08 08 36 32.4–.56 13.58N 121.24E 0 4.3,4.3b **¶610521494**
MAN IV 08 08 36 34.0 13.63N 120.90E 5 5.5b,4.7s
NEIC IV 08 08 36 35.6–2.0 13.65N–.05 121.1E–.10 10–1 4.7b,4.7s
BJI IV 08 08 36 38.1–.00 13.76N 121.16E 36 5.0b,4.6b
ISC Event type fe.
IDC Error ellipse: s-maj=20.7km s-min=8.0km az=62.0.
MAN Event type fe. INTENSITY IV - TAAL BATANGAS; CUENCA BATANGAS; INTENSITY III - LEMERY BATANGAS; TAGAYTAY CITY; STA. CRUZ AND STA. ROSA LAGUNA; GEN. TRIAS; CAVITE.
NEIC Event type se. Error ellipse: s-maj=17.7km s-min=5.5km az=70.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 08 08 56 09.5–1.0 13.66N–.03 120.93E–.03 7–8 3.5b 24 0-39
IDC IV 08 08 56 07.6–1.4 13.51N 120.91E 0 3.5,3.5b **¶610652213**
MAN IV 08 08 56 11.1 13.80N 120.82E 23 4.0b,2.8L
ISC Event type ke.
IDC Error ellipse: s-maj=34.7km s-min=10.0km az=88.0.
ISC IV 08 09 59 32.3–.85 13.62N–.02 120.94E–.03 13–6 3.8b 42 0-56
IDC IV 08 09 59 30.0–.96 13.56N 121.00E 0 3.7,3.6b **¶610652216**
MAN IV 08 09 59 31.2 13.66N 120.92E 1 4.7b,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=31.7km s-min=8.6km az=82.0.
MAN IV 08 10 02 43.3 13.83N 120.77E 31 3.6b,2.3L
¶616498344
MAN IV 08 10 15 30.1 13.61N 120.90E 30 3.2b,1.9L
¶616498348
MAN IV 08 12 06 21.9 12.94N 121.47E 33 3.5b,2.2L
¶616498381
MAN IV 08 12 58 32.1 13.99N 120.70E 24 3.5b,2.2L
¶616498397
ISC IV 08 13 39 39.9–1.1 13.70N–.03 120.89E–.03 11–8 3.7b 43 0-93
IDC IV 08 13 39 37.7–1.0 13.73N 121.36E 0 3.7,3.7b **¶610652229**
MAN IV 08 13 39 39.2 13.70N 120.87E 1 4.5b,3.4L
ISC Event type ke.
IDC Error ellipse: s-maj=38.1km s-min=8.7km az=46.0.
ISC IV 08 13 46 24.4–1.3 13.74N–.03 120.87E–.03 6–10 3.6b 38 0-39
IDC IV 08 13 46 22.7–1.4 13.72N 121.32E 0 3.6,3.6b **¶610652230**
MAN IV 08 13 46 24.5 13.74N 120.88E 4 4.9b,3.8L
ISC Event type ke.
IDC Error ellipse: s-maj=52.1km s-min=9.4km az=50.0.
ISC IV 08 15 22 54.5–1.0 13.63N–.02 120.94E–.03 12–6 4.6b,3.9s 129 0-97
IDC IV 08 15 22 51.8–.69 13.51N 120.98E 0 4.1,4.1b **¶610523713**
MAN IV 08 15 22 53.2 13.62N 120.91E 1 5.2b,4.3s
NEIC IV 08 15 22 53.3–2.7 13.64N–.09 120.9E–.10 10–1 4.7b,4.3s
BJI IV 08 15 22 58.7–.00 13.59N 120.95E 58 4.8b,4.4b
DJA IV 08 15 23 00.3–2.0 14N–4.0 121E–4.0 18–13 5.5b,5.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN IV 08 15 44 35.7 13.64N 120.95E 1 4.9b,3.9L
¶616498435
ISC IV 08 15 57 20.8–1.0 13.71N–.02 120.99E–.03 14–7 4.2b,3.0s 78 0-151
IDC IV 08 15 57 18.2–.73 13.59N 121.09E 0 3.9,3.9b **¶610652238**
MAN IV 08 15 57 20.0 13.72N 120.93E 1 5.1b,4.1s
NEIC IV 08 15 57 20.9–1.5 13.73N–.07 121.1E–.20 15–5 4.6b,4.1s
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 08 16 09 45.8–1.2 13.63N–.03 120.93E–.03 4–10 3.4b 32 0-39
IDC IV 08 16 09 45.0–1.2 13.56N 121.05E 0 3.4,3.4b **¶616498445**
MAN IV 08 16 09 46.5 13.67N 120.88E 7 4.5b,3.4L
ISC Event type ke.
IDC Error ellipse: s-maj=46.8km s-min=9.2km az=78.0.
ISC IV 08 16 26 04.6–1.3 13.71N–.03 120.99E–.03 2–10 3.4b 24 0-39
IDC IV 08 16 26 04.1–1.1 13.64N 121.14E 0 3.4,3.4b **¶610652241**
MAN IV 08 16 26 05.5 13.71N 120.90E 7 4.5b,3.3L
ISC Event type ke.
IDC Error ellipse: s-maj=57.9km s-min=8.5km az=68.0.
ISC IV 08 16 50 37.7–1.4 13.67N–.03 120.87E–.03 13–11 3.3b 25 0-51
IDC IV 08 16 50 35.4–2.1 13.30N 120.11E 0 3.3s,3.3 **¶610652243**
MAN IV 08 16 50 38.5 13.80N 120.87E 29 4.6b,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=426.3km s-min=26.9km az=71.0.
ISC IV 08 17 26 34.9–1.2 13.67N–.03 120.89E–.03 5–8 4.4b,3.3s 120 0-93
IDC IV 08 17 26 32.2–.76 13.57N 121.23E 0 4.0,3.9b **¶616498470**
MAN IV 08 17 26 34.1 13.65N 120.88E 2 5.4b,4.7s
NEIC IV 08 17 26 39.1–1.2 13.77N–.06 120.9E–.20 24–6 4.5b,4.7s
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 08 18 13 39.8–1.2 13.76N–.03 120.88E–.03 2–10 3.3b 24 0-50
IDC IV 08 18 13 38.4–1.3 13.70N 121.14E 0 3.3,3.3b **¶616498481**
MAN IV 08 18 13 40.8 13.84N 120.77E 8 4.8b,3.7L
ISC Event type ke.
IDC Error ellipse: s-maj=62.6km s-min=9.0km az=66.0.
ISC IV 08 18 16 36.0–1.2 13.69N–.03 120.91E–.03 11–9 3.3b 32 0-39
IDC IV 08 18 16 34.4–1.2 13.58N 120.78E 0 3.3,3.3b **¶610652248**
MAN IV 08 18 16 35.6 13.66N 120.94E 1 4.4b,3.2L
ISC Event type ke.
IDC Error ellipse: s-maj=31.9km s-min=9.2km az=101.0.
MAN IV 08 19 09 09.4 13.72N 120.87E 31 3.9b,2.7L
¶616498496
MAN IV 08 20 39 30.7 13.67N 121.00E 34 3.8b,2.5L
¶616498522
MAN IV 08 21 38 28.0 13.73N 120.90E 32 3.7b,2.4L
¶616498533
ISC IV 08 22 41 06.0–1.1 13.60N–.03 120.96E–.03 8–8 3.6b 43 0-93
IDC IV 08 22 41 04.9–1.0 13.57N 121.11E 0 3.6,3.6b **¶610652263**
MAN IV 08 22 41 06.7 13.66N 120.90E 8 4.5b,3.4L
ISC Event type ke.
IDC Error ellipse: s-maj=43.9km s-min=8.6km az=73.0.
MAN IV 09 00 30 20.1 13.67N 120.95E 1 4.8b,3.7L
¶616498551
ISC IV 09 02 25 31.0–.93 13.74N–.05 120.90E–.05 10 3.5b 14 0-39
IDC IV 09 02 25 28.6–1.4 13.79N 121.39E 0 3.5,3.5b **¶610652270**
ISC Event type ke.
IDC Error ellipse: s-maj=48.7km s-min=9.9km az=41.0.
ISC IV 09 03 14 12.2–.87 13.63N–.03 120.97E–.03 10–5 4.7b,3.6s 123 0-100
IDC IV 09 03 14 08.7–.68 13.59N 121.28E 0 4.1,4.1b **¶610523779**
MAN IV 09 03 14 11.1 13.62N 120.92E 6 5.0b,3.9L
NEIC IV 09 03 14 12.6–1.5 13.74N–.09 121.10E–.04 10–1 4.8b,3.9L
DJA IV 09 03 14 14.6–.30 14N–3.0 121E–4.0 10 5.8b,5.4
ISC Event type fe.
MAN Event type fe.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 09 03 18 05.7–.90 13.51N–.04 121.03E–.05 9–7 3.6b 18 0-39
IDC IV 09 03 18 04.2–1.3 13.65N 121.31E 0 3.8,3.7b **¶610652273**
ISC Event type ke.
IDC Error ellipse: s-maj=60.4km s-min=9.0km az=56.0.
MAN IV 09 04 13 36.2 13.83N 120.87E 31 4.0b,2.8L
¶616498560
MAN IV 09 04 31 51.6 13.62N 121.01E 34 3.6b,2.3L
¶616498561
MAN IV 09 05 49 50.6 13.89N 120.83E 29 3.7b,2.5L
¶616498571
MAN IV 09 15 14 33.1 13.83N 120.90E 29 4.1b,2.8L
¶616498599
MAN IV 09 19 39 40.3 13.87N 120.77E 24 3.7b,2.5L
¶616498606
MAN IV 09 23 49 13.5 13.67N 120.96E 36 3.7b,2.5L
¶616498611
MAN IV 10 11 25 57.2 13.94N 120.85E 30 3.9b,2.6L
¶616498625
MAN IV 10 11 48 43.4 13.71N 121.00E 33 4.0b,2.8L
¶616498626
ISC IV 10 12 32 03.6–1.1 13.63N–.04 120.98E–.03 8–9 3.2b 19 0-39
IDC IV 10 12 32 03.7–1.6 13.66N 120.72E 0 3.3,3.3b **¶610652381**
MAN IV 10 12 32 04.3 13.76N 120.81E 21 5.0b,3.9L
ISC Event type ke.
IDC Error ellipse: s-maj=40.2km s-min=9.7km az=107.0.
MAN IV 10 14 58 06.2 13.27N 120.28E 1 4.2b,3.0L
¶616498630
ISC IV 10 15 41 08.1–.77 13.66N–.06 120.91E–.04 10 3.4b 15 0-49
IDC IV 10 15 41 06.9–1.5 13.59N 121.17E 0 3.4,3.4b **¶610652393**
MAN IV 10 15 41 08.6 13.76N 120.86E 24 4.1b,2.9L
ISC Event type ke.
IDC Error ellipse: s-maj=63.1km s-min=23.2km az=57.0.
MAN IV 10 18 08 36.4 13.62N 120.95E 32 3.7b,2.5L
¶616498636
MAN IV 10 19 12 44.5 13.67N 120.94E 26 3.9b,2.7L
¶616498642
MAN IV 10 20 26 25.9 13.76N 120.86E 28 3.8b,2.5L
¶616498646
MAN IV 10 23 29 48.6 13.79N 120.91E 28 4.0b,2.8L
¶616498654
MAN IV 11 02 44 18.3 13.75N 120.89E 30 3.6b,2.4L
¶616498658
MAN IV 11 22 06 28.2 13.70N 120.92E 48 4.1b,2.9L
¶616498698
MAN IV 12 09 46 27.6 13.80N 120.92E 34 3.8b,2.6L
¶616498732
MAN IV 12 16 17 38.5 13.85N 120.89E 1 4.1b,2.8L
¶616498748
ISC IV 12 22 24 04.0–1.7 13.54N–.04 120.08E–.06 15–10 3.9b 39 0-87
MAN IV 12 22 24 06.7 13.60N 120.05E 25 4.7b,3.6L **¶610598351**
IDC IV 12 22 24 11.1–1.8 13.66N 120.39E 73–18 3.9,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=41.2km s-min=15.3km az=67.0.
MAN IV 13 00 24 41.9 13.76N 120.90E 31 3.9b,2.7L
¶616498778
MAN IV 13 05 47 12.0 13.83N 120.85E 28 4.3b,3.2L
¶616498793
MAN IV 13 10 49 32.3 13.84N 120.89E 27 4.2b,3.0L
¶616498799
MAN IV 13 23 34 38.7 13.79N 120.90E 29 3.7b,2.4L
¶616498832
ISC IV 14 03 44 41.6–.78 13.55N–.04 120.83E–.04 10 3.3b 25 1-39
MAN IV 14 03 44 40.5 13.55N 120.79E 1 4.4b,3.3L **¶610652680**
IDC IV 14 03 44 42.4–1.3 13.53N 120.94E 0 3.4,3.3b
ISC Event type ke.
IDC Error ellipse: s-maj=40.8km s-min=9.4km az=87.0.
MAN IV 14 05 18 52.0 13.68N 120.96E 32 3.8b,2.5L
¶616498852

MAN IV 14 07 23 11.3 13.71N 120.94E 32 4.0b,2.8L ¶616498859
MAN IV 14 11 18 45.1 13.83N 120.87E 28 4.1b,2.9L ¶616498868
MAN IV 14 21 01 04.5 13.74N 120.95E 33 3.7b,2.5L ¶616498916
MAN IV 15 02 00 26.7 13.76N 120.95E 31 3.8b,2.6L ¶616498923
MAN IV 15 15 55 58.0 13.81N 120.98E 26 3.8b,2.6L ¶616498961
MAN IV 15 17 54 60.0 13.77N 120.91E 30 3.8b,2.6L ¶616498968
ISC IV 15 19 37 23.5–.66 13.55N–.03 120.80E–.03 10 3.4b 43 0-46
IDC IV 15 19 37 22.5–1.1 13.49N 121.11E 0 3.5,3.5b ¶610652816
MAN IV 15 19 37 22.4 13.57N 120.75E 4 5.5b,4.7s
ISC Event type ke.
IDC Error ellipse: s-maj=46.8km s-min=9.1km az=75.0.
ISC IV 16 09 31 06.1–.94 13.71N–.05 120.61E–.09 186–6 3.1b 33 0-49
IDC IV 16 09 31 05.8–.83 13.73N 120.89E 185–12 3.5,3.0b ¶610652858
MAN IV 16 09 31 07.3 13.79N 120.66E 176 4.2b,3.0L
ISC Event type ke.
IDC Error ellipse: s-maj=117.4km s-min=17.4km az=63.0.
MAN IV 16 16 18 57.0 13.93N 120.96E 25 3.5b,2.2L ¶616499043
MAN IV 16 18 10 45.8 13.77N 120.90E 33 3.4b,2.1L ¶616499060
MAN IV 16 18 50 24.4 13.69N 120.91E 3 4.3b,3.1L ¶616499065
MAN IV 17 01 55 53.9 13.88N 120.85E 32 4.2b,3.0L ¶616499089
ISC IV 17 14 46 56.9–.63 13.68N–.04 120.59E–.05 105–5 4.0b 54 0-84
MAN IV 17 14 46 56.9 13.70N 120.51E 94 4.5b,3.4L ¶610652929
IDC IV 17 14 46 56.6–.75 13.79N 121.00E 113–9 3.8,3.4b
NEIC IV 17 14 46 57.9–1.7 13.77N–.10 121.0E–.20 114–5 4.3b,3.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN IV 18 05 18 25.1 13.68N 120.92E 7 3.6b,2.3L ¶616499134
MAN IV 18 11 58 32.0 13.85N 120.91E 29 3.8b,2.5L ¶616499144
MAN IV 20 17 17 54.5 12.82N 120.82E 4 3.9b,2.7L ¶616499259
ISC IV 21 00 57 28.8–.68 13.84N–.05 120.55E–.09 181–6 4.0b 40 0-93
NEIC IV 21 00 57 18.2–1.2 13.03N–.06 120.8E–.30 10–2 4.4b ¶610653151
IDC IV 21 00 57 29.1–.58 13.85N 120.88E 186–5 4.0,3.5b
MAN IV 21 00 57 30.1 13.89N 120.51E 163 4.7b,3.6L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=44.6km s-min=6.6km az=258.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=37.2km s-min=13.1km az=62.0.
MAN IV 22 13 13 38.7 13.60N 121.03E 35 3.7b,2.5L ¶616499311
ISC IV 22 18 04 51.7–1.5 12.79N–.03 120.85E–.05 2–11 3.6b 29 1-47
IDC IV 22 18 04 50.2–2.8 13.42N 121.86E 0 3.5,3.5b ¶610653274
MAN IV 22 18 04 51.5 12.77N 120.84E 1 4.6b,3.4L
ISC Event type ke.
IDC Error ellipse: s-maj=265.1km s-min=27.1km az=62.0.
ISC IV 23 05 52 47.0–.56 13.94N–.05 120.65E–.07 195–5 4.0b 90 0-152
NEIC IV 23 05 52 45.6–1.2 13.89N–.08 120.82E–.09 175–8 4.2b ¶610649800
IDC IV 23 05 52 47.4–.45 13.92N 120.78E 202–3 4.1,3.6b
MAN IV 23 05 52 48.1 13.93N 120.46E 184 4.5b,3.3L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.0km s-min=4.2km az=47.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=18.1km s-min=9.6km az=73.0.
MAN IV 23 16 55 00.7 13.61N 120.61E 42 3.8b,2.5L ¶616499339
MAN IV 24 18 32 21.0 13.57N 121.09E 33 3.2b,1.8L ¶616499740
MAN IV 24 18 35 14.5 13.72N 120.93E 4 4.0b,2.8L ¶616499741
MAN IV 26 10 49 00.3 13.56N 121.09E 33 3.5b,2.2L ¶616499776
MAN IV 26 19 02 04.4 13.70N 120.92E 7 3.7b,2.5L ¶616499783
MAN IV 27 04 04 09.1 13.72N 120.59E 102 3.9b,2.7L ¶616499795
ISC IV 29 04 33 02.0–.48 13.67N–.06 120.63E–.08 150 4.4b 211 8-100
IDC IV 29 04 32 42.1–.79 13.46N 121.06E 0 4.0,4.0b ¶610588563
MAN IV 29 04 32 43.1 13.58N 120.97E 7 5.2b,4.2s
NEIC IV 29 04 33 04.9–2.3 13.65N–.06 120.6E–.10 172–7 4.4b,4.2s
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 30 01 16 52.3–1.2 13.62N–.03 120.96E–.04 3–9 3.8b 20 0-39
IDC IV 30 01 16 50.8–1.5 13.76N 121.42E 0 3.8,3.8b ¶610650370
MAN IV 30 01 16 51.8 13.72N 120.91E 22 4.6b,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=51.9km s-min=9.6km az=43.0.
ISC IV 30 06 19 01.0–.72 13.60N–.03 120.96E–.04 10 3.8b 23 0-50
IDC IV 30 06 18 59.6–1.1 13.65N 121.24E 0 3.7,3.7b ¶610650385
MAN IV 30 06 18 59.2 13.77N 120.90E 28 5.0b,3.9L
ISC Event type fe.
IDC Error ellipse: s-maj=60.1km s-min=9.0km az=60.0.
MAN Event type fe. INTENSITY III - BATANGAS CITY; INTENSITY II - PUERTO GALERA ORIENTAL MINDORO.
MAN IV 30 07 46 48.6 13.49N 120.99E 33 4.0b,2.8L ¶616499946
MAN IV 30 19 48 16.9 13.86N 120.93E 28 3.6b,2.4L ¶616499975
MAN IV 30 22 09 52.3 13.75N 120.87E 30 3.9b,2.6L ¶616499980
ISC V 01 17 20 48.9–1.0 13.35N–.03 120.50E–.03 31–9 3.4b 39 0-56
IDC V 01 17 20 44.2–1.5 13.46N 120.72E 0 3.5,3.4b ¶610689328
MAN V 01 17 20 47.9 13.31N 120.47E 25 5.0b,4.0s
ISC Event type ke.
IDC Error ellipse: s-maj=72.1km s-min=21.1km az=56.0.
MAN V 02 10 34 18.6 13.72N 120.87E 18 4.4b,3.2L ¶616504386
MAN V 02 14 14 34.0 13.79N 120.86E 30 4.1b,2.9L ¶616504392
ISC V 05 03 31 11.4–1.0 13.68N–.03 120.93E–.03 8–8 3.5b,3.3s 34 0-79
IDC V 05 03 31 10.1–1.1 13.58N 121.10E 0 3.6,3.6b ¶610689582
MAN V 05 03 31 11.8 13.81N 120.84E 22 5.4b,4.6s
ISC Event type fe.
IDC Error ellipse: s-maj=40.0km s-min=9.7km az=72.0.
MAN Event type fe. INTENSITY IV - BATANGAS CITY TINGLOY AND MABINI BATANGAS.
MAN V 06 08 07 40.0 13.35N 121.51E 19 4.2b,3.0L ¶616504524
ISC V 07 21 19 21.7–1.6 13.17N–.05 120.20E–.06 4–11 3.5b 21 1-46
IDC V 07 21 19 21.1–1.1 13.09N 120.21E 0 3.5,3.5b ¶610689757
MAN V 07 21 19 21.9 13.21N 120.20E 5 4.5b,3.3L
ISC Event type ke.
IDC Error ellipse: s-maj=22.9km s-min=12.9km az=113.0.
MAN V 08 15 02 20.5 12.95N 121.03E 1 4.1b,2.9L ¶616504612
ISC V 09 19 06 26.7–.49 13.60N–.04 120.88E–.06 143–4 4.6b 122 0-71
IDC V 09 19 06 26.3–.48 13.52N 121.03E 137–3 4.2,3.7b ¶615092631
MAN V 09 19 06 26.6 13.45N 120.69E 127 4.8b,3.7L
NEIC V 09 19 06 26.4–1.4 13.64N–.08 121.2E–.10 147–6 4.6b,3.7L
DJA V 09 19 06 37.4–.80 14N–5.0 121E–5.0 253–9 5.1b,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN V 15 10 26 38.6 13.91N 120.46E 110 4.1b,2.9L ¶616504835
MAN V 18 12 21 23.4 13.78N 120.93E 33 3.8b,2.5L ¶616542081
MAN V 19 19 14 52.0 13.78N 120.92E 28 4.0b,2.8L ¶616542125
ISC V 21 21 53 07.6–1.1 13.64N–.04 120.89E–.04 17–7 3.6b 26 0-80
IDC V 21 21 53 04.8–.95 13.53N 120.89E 0 3.7,3.7b ¶610685105
MAN V 21 21 53 07.6 13.69N 120.88E 7 4.8b,3.6L
ISC Event type fe.
IDC Error ellipse: s-maj=29.9km s-min=9.1km az=95.0.
MAN Event type fe. INTENSITY I - PULANG BATO (VOLCANO ISLAND) SAN NICOLAS.
ISC V 25 04 48 14.9–.96 13.8N–.10 120.7E–.10 200 3.6b 12 0-46
IDC V 25 04 48 15.1–.69 13.86N 120.76E 206–10 3.8,3.2b ¶610685333
MAN V 25 04 48 15.9 13.94N 120.59E 185 4.3b,3.1L
ISC Event type ke.
IDC Error ellipse: s-maj=52.6km s-min=15.0km az=47.0.
MAN V 26 14 27 17.1 13.70N 120.97E 32 3.6b,2.3L ¶616542313
MAN V 30 09 42 19.2 13.40N 120.71E 13 4.0b,2.8L ¶616542419
MAN V 30 16 49 18.4 13.73N 120.94E 40 3.8b,2.5L ¶616542430
ISC VI 03 13 29 11.9–2.8 13.51N–.05 120.09E–.10 34–6 22 0-39
IDC VI 03 13 28 54.8–2.9 15.70N 122.08E 0 4.0,4.0b ¶617049608
MAN VI 03 13 29 10.1 13.57N 120.01E 24 4.8b,3.8L
ISC Event type ke.
IDC Error ellipse: s-maj=59.6km s-min=28.8km az=31.0.
MAN VI 12 03 43 01.4 13.73N 120.61E 107 3.8b,2.5L ¶617049748
ISC VI 12 05 34 45.0–1.2 13.05N–.03 120.77E–.04 7–9 3.6b 27 0-47
IDC VI 12 05 34 44.4–1.1 12.99N 120.88E 0 3.6,3.6b ¶610791697
MAN VI 12 05 34 46.9 13.10N 120.76E 22 4.1b,2.9L
ISC Event type ke.
IDC Error ellipse: s-maj=36.0km s-min=11.3km az=87.0.
MAN VI 15 02 21 36.1 13.72N 120.88E 18 4.3b,3.1L ¶617049812
ISC VI 16 16 15 28.9–3.5 12.67N–.05 120.50E–.09 26–26 3.5b 26 1-50
MAN VI 16 16 15 28.9 12.71N 120.53E 26 4.7b,3.6L ¶610792013
IDC VI 16 16 15 35.6–1.3 13.19N 121.50E 92–10 3.6,3.2b
ISC Event type ke.
IDC Error ellipse: s-maj=50.2km s-min=16.4km az=62.0.
MAN VI 17 09 54 10.4 13.73N 120.96E 32 3.6b,2.3L ¶617049863
ISC VI 22 09 03 16.7–.97 13.68N–.03 120.97E–.04 10–7 3.4b 31 0-50
IDC VI 22 09 03 14.9–1.2 13.66N 121.32E 0 3.4,3.4b ¶610789261
MAN VI 22 09 03 16.6 13.79N 120.80E 22 4.3b,3.2L
ISC Event type fe.
IDC Error ellipse: s-maj=20.6km s-min=9.5km az=55.0.
MAN Event type fe. INTENSITY I - BATANGAS CITY.
MAN VI 22 12 19 36.7 12.36N 121.89E 21 3.7b,2.5L ¶617049963
ISC VI 24 21 20 44.0–.98 13.59N–.06 120.41E–.08 70–7 3.5b 18 0-46
IDC VI 24 21 20 44.6–3.0 13.59N 120.56E 76–32 3.4,3.1b ¶610789404
MAN VI 24 21 20 45.2 13.78N 120.43E 54 4.3b,3.1L
ISC Event type ke.
IDC Error ellipse: s-maj=84.7km s-min=20.0km az=67.0.
ISC VI 30 21 07 31.3–.86 13.72N–.05 120.48E–.06 74–6 3.4b 28 0-49
MAN VI 30 21 07 31.9 13.84N 120.49E 56 4.3b,3.1L ¶610789814
IDC VI 30 21 07 32.3–.95 13.93N 120.86E 89–11 3.4,3.0b
ISC Event type ke.
IDC Error ellipse: s-maj=49.1km s-min=18.9km az=62.0.

(251) Samar.

MAN I 10 21 53 44.2 12.50N 124.41E 83 4.4b,3.3L ¶615391471
ISC I 21 15 34 15.7–.50 11.47N–.03 125.47E–.05 76–4 4.5b 176 1-165
MAN I 21 15 34 12.8 11.49N 125.55E 43 5.2b,4.4s ¶610104792
IDC I 21 15 34 15.5–.83 11.42N 125.38E 71–7 4.4,4.1b
NEIC I 21 15 34 17.9–1.6 11.43N–.09 125.5E–.10 92–7 4.5b,4.1b
ISC Event type se.
MAN Event type fe. INTENSITY III - BORONGAN & LLORENTE EASTERN SAMAR; TACLOBAN CITY; INTENSITY II - SULAT & LAWAAN EASTERN SAMAR; DULAG & PALO LEYTE.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN I 21 17 21 35.4 11.41N 125.65E 19 4.0b,2.8L ¶615392479
MAN I 23 11 04 23.0 12.53N 124.63E 15 3.8b,2.5L ¶615392514
MAN I 24 05 01 02.6 11.52N 125.54E 42 3.7b,2.5L ¶615392524
ISC I 24 19 35 04.5–1.9 12.36N–.05 125.54E–.07 10–11 3.5b 23 1-50
IDC I 24 19 35 01.8–5.9 12.63N 126.14E 0 3.5,3.5b ¶610235281
MAN I 24 19 35 08.5 12.39N 125.38E 19 4.1b,2.9L
ISC Event type ke.
IDC Error ellipse: s-maj=457.0km s-min=29.6km az=65.0.
ISC I 27 10 13 47.3–.67 12.07N–.06 125.34E–.07 36 3.8b 27 2-88
MAN I 27 10 13 48.3 11.89N 125.41E 34 4.6b,3.4L ¶610235472
IDC I 27 10 13 53.3–7.2 11.70N 125.10E 97–66 3.8,3.5b
ISC Event type fe.
MAN Event type fe. INTENSITY II - MAYDOLONG EASTERN SAMAR; BORONGAN EASTERN SAMAR.
IDC Error ellipse: s-maj=40.3km s-min=14.7km az=67.0.
MAN II 04 13 09 18.6 12.98N 124.65E 26 4.0b,2.8L ¶615934684
MAN II 06 12 29 33.8 12.76N 124.45E 25 3.8b,2.5L ¶615934697
MAN II 18 16 13 54.4 12.66N 125.39E 5 5.0b,4.0s ¶615934945
ISC II 24 13 56 09.7–.79 12.62N–.05 124.37E–.06 113–7 3.5b 30 0-92
IDC II 24 13 55 56.7–.98 12.57N 124.50E 0 3.6b,3.5 ¶610384939
MAN II 24 13 56 07.3 12.62N 124.46E 125 4.4b,3.2L
ISC Event type ke.
IDC Error ellipse: s-maj=59.6km s-min=18.8km az=76.0.
ISC II 28 03 26 14.4–.92 12.07N–.06 125.81E–.09 10 4.0b 19 2-84
IDC II 28 03 26 12.2–1.4 12.28N 126.08E 0 3.9,3.9b ¶610385167
MAN II 28 03 26 13.5 12.17N 125.93E 18 4.6b,3.4L
ISC Event type ke.
IDC Error ellipse: s-maj=73.8km s-min=21.0km az=63.0.
IDC III 15 11 04 51.3–8.4 12.71N 124.88E 0 3.5,3.5b ¶610546247
IDC Error ellipse: s-maj=506.7km s-min=32.0km az=91.0.
ISC IV 02 01 42 36.5–1.2 12.02N–.03 124.88E–.05 26–10 3.6b,3.2s 56 1-148
MAN IV 02 01 42 36.6 11.95N 124.87E 25 5.1b,4.2s ¶610651735
IDC IV 02 01 42 46.7–2.5 11.84N 124.97E 127–25 3.9,3.4b
ISC Event type fe.
MAN Event type fe. INTENSITY IV-CATBALOGAN CITY SAMAR; INTENSITY III - PAGSANGHAN SAMAR.
IDC Error ellipse: s-maj=37.5km s-min=13.3km az=73.0.
ISC IV 04 12 23 22.6–1.3 12.5N–.10 124.2E–.10 14 3.5b 8 1-49
IDC IV 04 12 23 17.8–1.2 11.95N 124.02E 0 3.5,3.5b ¶610651912
MAN IV 04 12 23 25.0 13.15N 124.09E 27 3.8b,2.6L
ISC Event type fe.
IDC Error ellipse: s-maj=43.7km s-min=22.5km az=64.0.
MAN Event type fe. INTENSITY II - SORSOGON CITY.

ISC IV 10 00 43 55.7–.31 12.93N–.02 125.44E–.03 23–1 5.7b,5.4s 1676 2-178
BJI IV 10 00 43 49.6–.00 12.79N 125.51E 5 5.9s,5.8b ¶610523845
IDC IV 10 00 43 52.0–.31 12.95N 125.35E 0 5.3,5.3b
MAN IV 10 00 43 53.0 13.03N 125.60E 19 5.9b,5.4s
NEIC IV 10 00 43 53.9 13.02N 125.37E 5 5.9b,5.4s
MOS IV 10 00 43 53.3–.87 12.92N 125.37E 22 5.9b,5.4s
NEIC IV 10 00 43 54.6–2.0 13.04N–.05 125.36E–.06 10–1 5.7b,5.7
NEIC IV 10 00 43 54.5 13.01N 125.37E 18 5.7b,5.7
NEIC IV 10 00 43 54.5 13.11N 126.19E 18 5.7b,5.7
GCMT IV 10 00 43 56.6–.10 13.05N–.01 125.56E–.01 12 5.7W,5.7
DJA IV 10 00 43 56.5–.20 13N–2.0 125E–2.0 39–1 6.4,6.2b
BGR IV 10 00 44 02.6 14.99N 124.62E 10 5.6s,5.6b
ISC Event type fe. Moment Tensor Solution. NP1:ϕ_s212.90099°,δ34.37451°,λ134.63043°. NP2: ϕ_s342.79935°,δ66.30930°,λ64.33227°. Principal axes: T Plg60.1966°,Azm214.7576° ; N Plg23.3689°,Azm353.7283°; P Plg17.4279°,Azm91.5240°
IDC Error ellipse: s-maj=8.8km s-min=6.8km az=81.0.
MAN Event type fe.
NEIC Event type se.
MOS Error ellipse: s-maj=6.3km s-min=3.7km az=115.9.
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=4.7km az=234.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}3.84 $M_{\theta\theta}$-0.00 $M_{\phi\phi}$-3.84 $M_{r\theta}$-0.75 $M_{\theta\phi}$-0.64 $M_{\phi r}$3.27 NP1:ϕ_s202.39000°,δ26.94000°,λ114.51000°. NP2:ϕ_s355.31000° ,δ65.66000°,λ78.09000°. Principal axes: T 5.2054,Plg67.0000°,Azm243.0000° ; N -0.1415,Plg11.0000°,Azm0.0000°; P -5.0639,Plg20.0000°,Azm94.0000° $M_0$5.14000×10^{17}
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 3$\overset{s}{.}$1 Moment tensor: Scale 10^{17}Nm; M_{rr}3.13 $M_{\theta\theta}$-0.56 $M_{\phi\phi}$-2.57 $M_{r\theta}$-0.59 $M_{\theta\phi}$0.55 $M_{\phi r}$3.26 NP1:ϕ_s348.64000°,δ69.29000° ,λ91.71000°. NP2:ϕ_s163.80000°,δ20.78000°,λ85.48000°. Principal axes: T 4.6289,Plg66.0000°,Azm262.0000°; N -0.4302,Plg2.0000°,Azm168.0000° ; P -4.1986,Plg24.0000°,Azm77.0000° $M_0$4.41000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s144,c251; s160,c330;Duration: 1$\overset{s}{.}$8 Moment tensor: Scale 10^{17}Nm; M_{rr}3.08±.03 $M_{\theta\theta}$-0.25±.03; $M_{\phi\phi}$-2.82±.03; $M_{r\theta}$-1.39±.08; $M_{\theta\phi}$0.54±.02; $M_{\phi r}$3.46±.07; Best double couple: NP1:ϕ_s341.00000°,δ71.00000°,λ85.00000°. NP2:ϕ_s175.00000°,δ20.00000°,λ104.00000°. Principal axes: T 4.8910,Plg64.0000° ,Azm243.0000°; N -0.2040,Plg5.0000°,Azm342.0000°; P -4.6810,Plg26.0000°,Azm75.0000° $M_0$4.78600×10^{17}
BGR Event type ke.
ISC IV 16 22 34 49.2–.99 11.20N–.03 125.55E–.05 77–10 3.5b 50 1-83
IDC IV 16 22 34 40.0–1.4 10.94N 124.48E 0 3.5,3.5b ¶610652891
MAN IV 16 22 34 48.2 11.18N 125.63E 45 4.4b,3.3L
ISC Event type ke.
IDC Error ellipse: s-maj=173.1km s-min=21.8km az=70.0.
MAN IV 24 11 36 42.7 12.95N 124.68E 3 4.0b,2.8L ¶616499361
MAN V 01 16 25 40.3 12.98N 124.56E 35 4.1b,2.9L ¶616504309
ISC V 04 00 34 32.2–3.8 11.61N–.06 125.98E–.09 10–24 3.9b,3.3s 24 2-85
IDC V 04 00 34 27.6–1.5 11.18N 126.13E 0 4.0,4.0b ¶610689514
MAN V 04 00 34 35.5 11.59N 125.81E 14 4.6b,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=68.6km s-min=26.5km az=64.0.
ISC V 13 01 29 49.3–1.1 12.18N–.05 125.22E–.06 71–10 3.6b 26 1-54
IDC V 13 01 29 38.9–4.2 12.54N 126.35E 0 3.5,3.5b ¶610690159
MAN V 13 01 29 47.4 12.23N 125.36E 64 4.5b,3.3L
ISC Event type ke.
IDC Error ellipse: s-maj=347.4km s-min=24.3km az=66.0.
ISC V 22 05 54 55.2–1.7 12.02N–.04 124.05E–.07 5–11 4.3b 40 1-90
IDC V 22 05 54 56.7–2.1 11.75N 123.99E 0 3.8,3.8b ¶610685131
MAN V 22 05 54 57.1 11.96N 124.02E 5 4.7b,3.6L
NEIC V 22 05 55 02.0–.86 12.0N–.10 123.8E–.10 60–5 4.5b,3.6L
ISC Event type fe.
MAN Event type fe. INTENSITY III - PALANAS MASBATE.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN V 23 09 53 01.4 12.79N 125.33E 15 4.4b,3.2L ¶616542232
MAN V 25 13 23 42.0 12.80N 124.96E 28 3.9b,2.7L ¶616542291
MAN VI 07 12 26 59.2 12.74N 124.02E 97 3.9b,2.7L ¶617049659
MAN VI 07 16 08 25.1 12.88N 124.68E 34 3.9b,2.6L ¶617049670
ISC VI 07 21 52 58.5–3.2 11.84N–.07 125.93E–.09 15–18 3.6b 15 1-46
MAN VI 07 21 52 59.0 11.94N 125.99E 30 4.2b,3.0L ¶610791422
IDC VI 07 21 53 05.2–35 10.80N 125.98E 0 3.7,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=616.6km s-min=263.9km az=153.0.
MAN VI 17 09 52 39.3 11.20N 125.82E 9 4.2b,3.0L ¶617049862
ISC VI 24 18 06 45.8–1.5 11.60N–.03 125.84E–.05 3–10 3.3b 41 0-51
IDC VI 24 18 06 44.1–3.8 11.58N 125.97E 0 3.3,3.3b ¶610789398
MAN VI 24 18 06 46.5 11.63N 125.77E 1 4.8b,3.7L
ISC Event type ke.
IDC Error ellipse: s-maj=293.4km s-min=28.0km az=65.0.
IDC VI 25 10 57 39.3–1.5 12.25N 124.00E 0 3.5,3.5b ¶610789440
IDC Error ellipse: s-maj=181.1km s-min=22.9km az=69.0.

(252) Palawan.

IDC V 12 07 22 14.4–10 11.55N 119.06E 0 3.8,3.7b ¶610690104
IDC Error ellipse: s-maj=414.8km s-min=31.4km az=41.0.

(253) Sulu Sea.

ISC II 24 13 17 04.5–2.1 9.76N–.04 121.82E–.03 4–15 4.0b 44 1-50
IDC II 24 13 17 04.5–1.8 9.66N 121.99E 0 3.8,3.8b ¶610384938
MAN II 24 13 17 04.5 9.78N 121.81E 1 4.7b,3.5L
NEIC II 24 13 17 11.2–1.9 9.62N–.07 122.0E–.10 49–12 4.4b,3.5L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN II 25 04 07 27.3 9.51N 121.93E 37 3.8b,2.6L ¶615935049
ISC II 25 10 57 27.2–2.2 9.71N–.05 121.90E–.07 6–14 3.8b 21 1-50
IDC II 25 10 57 26.4–3.0 9.66N 121.96E 0 3.7,3.7b ¶610384997
MAN II 25 10 57 28.9 9.75N 121.87E 24 4.7b,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=369.4km s-min=25.6km az=63.0.
MAN II 25 11 10 26.1 9.80N 121.88E 5 4.5b,3.3L ¶615935054
MAN III 04 12 43 25.3 10.44N 120.28E 104 4.2b,3.0L ¶616599490
ISC III 31 16 08 48.6–1.7 9.73N–.03 121.93E–.04 10–11 4.0b 44 1-84
IDC III 31 16 08 47.6–.86 9.66N 121.92E 0 3.9,3.9b ¶610544060
MAN III 31 16 08 49.5 9.77N 121.82E 19 5.0b,4.0s
ISC Event type ke.
IDC Error ellipse: s-maj=38.2km s-min=18.5km az=68.0.

(254) Panay.

ISC V 24 00 09 22.4–1.1 11.14N–.02 122.15E–.03 16–8 3.5b 49 1-95
MAN V 24 00 09 21.8 11.16N 122.03E 6 4.8b,3.7L ¶610685255
IDC V 24 00 09 26.8–3.3 11.02N 122.12E 51–32 3.7,3.6L
ISC Event type fe.
MAN Event type fe. INTENSITY III - BUGASONG LAUA-AN AND BARBAZA ANTIQUE.
IDC Error ellipse: s-maj=47.1km s-min=18.0km az=72.0.

(255) Cebu.

MAN I 17 15 49 41.9 10.07N 123.13E 27 3.6b,2.3L ¶615392403
MAN I 22 14 53 52.7 10.50N 123.65E 15 3.9b,2.7L ¶615392494
ISC III 20 19 42 00.7–.98 10.45N–.02 123.73E–.03 20–5 4.3b,3.7s 121 0-147
IDC III 20 19 41 58.1–.76 10.47N 123.79E 0 4.0,4.0b ¶610394177
MAN III 20 19 41 58.8 10.54N 123.68E 1 4.7b,3.6L
NEIC III 20 19 42 04.9–1.5 10.43N–.07 123.75E–.09 51–8 4.3b,3.6L
ISC Event type fe.
MAN Event type fe. INTENSITY IV - ASTURIAS AND BUSAY CEBU; CEBU CITY; INTENSITY III - MANDAUE CITY; INTENSITY II - LAPU-LAPU CITY.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 20 19 43 44.1–1.0 10.52N–.03 123.71E–.03 24–8 4.0b 66 0-128
IDC III 20 19 43 41.5–1.1 10.45N 123.72E 0 3.8,3.8b ¶610543354
MAN III 20 19 43 43.3 10.54N 123.72E 2 4.6b,3.4L
NEIC III 20 19 43 48.3–1.8 10.6N–.10 124.0E–.10 51–7 4.2b,3.4L
ISC Event type fe.
MAN Event type fe. INTENSITY III - ASTURIAS CEBU; CEBU CITY; INTENSITY II - LAPU-LAPU CITY.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN III 21 09 01 23.0 10.56N 123.69E 6 4.3b,3.1L ¶616058719
MAN III 23 14 51 55.5 10.45N 123.72E 22 3.8b,2.5L ¶616058773
IDC V 22 09 08 09.0–1.5 11.99N 123.83E 0 3.4,3.4b ¶610685152
IDC Error ellipse: s-maj=210.2km s-min=25.2km az=72.0.

(256) Leyte.

ISC I 13 22 02 32.8–1.6 10.31N–.07 125.18E–.04 10–11 3.4b 23 0-55
IDC I 13 22 02 30.6–3.3 10.65N 125.59E 0 3.3,3.3b ¶610237315
MAN I 13 22 02 33.0 10.29N 125.13E 1 4.4b,3.2L
ISC Event type ke.
IDC Error ellipse: s-maj=292.6km s-min=24.8km az=66.0.
ISC I 26 20 49 37.8–1.2 10.69N–.08 125.54E–.08 79–11 4.2b 49 1-89
MAN I 26 20 49 38.4 10.67N 125.55E 52 4.7b,3.6L ¶610235413
NEIC I 26 20 49 39.1–1.2 10.6N–.10 125.5E–.20 87–9 4.3b,3.6L
IDC I 26 20 49 41.9–7.8 10.61N 125.46E 121–75 3.9,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=37.1km s-min=8.7km az=64.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=41.9km s-min=13.7km az=66.0.
MAN I 27 17 19 57.6 10.80N 125.71E 54 4.1b,2.9L ¶615392586
MAN I 30 03 49 21.4 10.99N 124.91E 6 4.0b,2.8L ¶615392648
MAN II 05 10 50 05.2 11.14N 124.59E 25 3.8b,2.5L ¶615934693
MAN II 06 17 26 26.0 11.39N 124.52E 28 3.8b,2.6L ¶615934698
MAN II 08 19 22 12.3 11.05N 124.73E 1 3.9b,2.7L ¶615934720
MAN II 10 17 17 05.8 10.00N 125.48E 25 4.6b,3.5L ¶615934752
MAN II 11 20 26 47.8 10.03N 125.44E 22 4.2b,3.0L ¶615934840
MAN II 19 12 02 04.0 10.16N 125.48E 30 3.9b,2.7L ¶615934958
MAN II 23 15 14 10.8 10.54N 125.47E 24 3.9b,2.6L ¶615935021
MAN III 03 00 37 24.4 10.14N 124.79E 1 4.0b,2.8L ¶616058354
MAN III 05 03 18 45.8 10.00N 125.54E 32 4.6b,3.4L ¶616058404
ISC III 10 14 54 42.8–.98 10.49N–.05 125.54E–.05 90–8 3.1b 33 1-51
IDC III 10 14 54 30.4–2.5 10.55N 125.86E 0 3.3,3.3b ¶610545964
MAN III 10 14 54 44.1 10.46N 125.51E 57 4.6b,3.4L
ISC Event type ke.
IDC Error ellipse: s-maj=109.9km s-min=25.2km az=58.0.
MAN III 11 18 52 39.8 10.99N 124.62E 269 5.1b,4.1s ¶616058532
MAN III 14 15 01 05.9 10.09N 125.48E 29 4.1b,2.9L ¶616058595
MAN III 23 14 45 39.0 10.11N 125.15E 17 3.9b,2.7L ¶616058771
MAN IV 14 20 59 48.2 10.01N 125.51E 33 4.2b,3.0L ¶616498915
ISC IV 18 19 24 28.9–1.4 10.48N–.04 126.00E–.05 18–6 3.6b 43 1-86
IDC IV 18 19 24 23.4–2.4 10.38N 125.48E 0 3.6,3.6b ¶610653007
MAN IV 18 19 24 31.0 10.40N 125.93E 19 4.5b,3.3L
ISC Event type ke.
IDC Error ellipse: s-maj=237.1km s-min=25.7km az=67.0.
ISC V 01 00 31 55.3–.72 10.66N–.04 125.95E–.05 78–6 4.5b 139 1-147
MAN V 01 00 31 50.3 10.71N 126.16E 23 5.4b,4.6s ¶610589575
DJA V 01 00 31 51.8–.40 11N–5.0 126E–6.0 10 5.7b,5.3
IDC V 01 00 31 58.3–2.0 10.63N 125.83E 100–19 4.3,4.0b
NEIC V 01 00 31 59.3–1.4 10.69N–.08 125.80E–.09 105–7 4.5b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 16 01 30 03.5–1.1 11.27N–.02 124.62E–.03 32–8 4.4b,3.7s 96 1-118
MAN V 16 01 30 01.0 11.25N 124.62E 19 5.3b,4.4s ¶610690372
IDC V 16 01 30 10.2–3.2 11.31N 125.04E 91–30 4.1,3.7s
NEIC V 16 01 30 13.7–1.7 11.24N–.09 124.6E–.10 120–3 4.4b,3.7s
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC V 22 10 11 03.7–2.9 10.17N 125.13E 0 3.4,3.4b ¶610685156
IDC Error ellipse: s-maj=228.9km s-min=28.3km az=65.0.
ISC V 24 20 50 59.8–.76 10.40N–.04 125.54E–.05 104–7 4.0b 45 1-85
IDC V 24 20 51 00.7–9.5 10.37N 125.37E 114–91 4.0,3.7b ¶610685317
MAN V 24 20 51 00.1 10.39N 125.55E 85 4.7b,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=44.5km s-min=16.7km az=78.0.
MAN V 27 10 00 13.2 10.54N 125.83E 32 3.8b,2.5L ¶616542331
MAN V 30 01 30 51.3 11.13N 124.21E 12 3.9b,2.6L ¶616542413
MAN VI 02 10 47 25.9 10.36N 125.99E 28 4.5b,3.3L ¶617049594
MAN VI 13 08 38 41.6 10.19N 125.53E 28 4.1b,2.9L ¶617049771
ISC VI 20 21 24 01.1–1.8 10.82N–.04 125.63E–.05 13–12 3.5b 35 1-51
IDC VI 20 21 23 56.2–4.0 11.04N 126.35E 0 3.4,3.4b ¶610789179
MAN VI 20 21 24 00.7 10.81N 125.60E 1 4.5b,3.4L
ISC Event type ke.
IDC Error ellipse: s-maj=300.5km s-min=30.3km az=65.0.
ISC VI 26 12 38 18.8–1.0 10.50N–.04 125.94E–.05 75–9 3.5b 34 1-45
MAN VI 26 12 38 18.0 10.47N 125.96E 70 4.5b,3.3L ¶610789509
IDC VI 26 12 38 34.7–38 7.71N 127.23E 0 3.5,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=654.0km s-min=216.7km az=159.0.

(257) Negros.

MAN I 17 09 03 54.3 9.54N 122.47E 28 3.9b,2.7L ¶615392397
ISC I 24 12 43 41.0–1.4 9.47N–.04 122.16E–.04 30–11 3.9b 43 1-53
IDC I 24 12 43 34.9–2.1 10.13N 123.70E 0 3.9,3.9b ¶610235264

NEIC I 24 12 43 37.9–2.8 9.5N–.10 122.42E–.03 10–2 4.3b,3.9b
MAN I 24 12 43 40.8 9.48N 122.11E 30 4.7b,3.6L
ISC Event type se.
IDC Error ellipse: s-maj=240.6km s-min=22.1km az=65.0.
NEIC Event type se. Error ellipse: s-maj=21.4km s-min=5.1km az=7.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN I 31 09 17 22.2 9.22N 122.56E 20 4.8b,3.7L ¶615392665
MAN Event type fe. INTENSITY II- BASAY NEGROS ORIENTAL; INTENSITY I - BAYAWAN CITY NEGROS ORIENTAL.
ISC II 04 19 18 07.1–.96 9.30N–.03 123.19E–.03 8–6 3.7b 32 0-85
IDC II 04 19 18 01.9–1.4 8.96N 123.88E 0 3.7,3.6b ¶610414838
MAN II 04 19 18 06.5 9.30N 123.17E 6 5.2b,4.3s
ISC Event type fe.
IDC Error ellipse: s-maj=72.7km s-min=22.5km az=49.0.
MAN Event type fe. INTENSITY III - SIBULAN AND VALENCIA NEGROS ORIENTAL; INTENSITY II - DUMAGUETE CITY.
MAN III 09 07 00 02.5 9.83N 122.33E 35 3.6b,2.3L ¶616058490
ISC III 27 08 20 40.2–.55 9.49N–.02 122.38E–.03 31–3 4.5b,3.7s 239 0-168
IDC III 27 08 20 35.3–.49 9.47N 122.48E 0 4.3,4.3b ¶610435273
NEIC III 27 08 20 38.3–1.6 9.53N–.05 122.50E–.07 12–3 4.6b,4.3b
MAN III 27 08 20 39.3 9.52N 122.28E 22 4.1b,2.9L
DJA III 27 08 20 49.0–2.3 9N–8.0 122E–4.0 11–19 5.0b,4.9
ISC Event type fe.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN Event type fe. INTENSITY IV - SIPALAY CITY NEGROS OCCIDENTAL; INTENSITY III - HINOBA-AN NEGROS OCCIDENTAL; BASAY NEGROS ORIENTAL; ILOILO CITY ILOILO; INTENSITY II - BAYAWAN CITY NEGROS ORIENTAL.
MAN III 30 14 55 31.2 9.48N 122.71E 22 3.8b,2.5L ¶616058895
MAN IV 11 08 02 35.1 9.78N 123.99E 16 4.3b,3.2L ¶616498669
ISC V 17 08 17 35.5–1.6 9.91N–.04 122.03E–.04 7–11 3.7b,3.1s 40 1-83
IDC V 17 08 17 33.8–1.4 9.86N 122.08E 0 3.7,3.7b ¶610690472
MAN V 17 08 17 35.9 9.93N 122.00E 9 4.6b,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=87.8km s-min=21.3km az=56.0.
ISC V 20 01 06 13.9–.19 9.32N–.02 123.97E–.03 540–1 5.7b 2558 0-173
MAN V 20 01 06 12.5 9.43N 124.16E 564 6.0b,5.6s ¶611600213
MOS V 20 01 06 13.2–.98 9.35N 123.95E 541 5.8b,4.8s
KLM V 20 01 06 13 9.53N 124.32E 541 6.3b,4.8s
BJI V 20 01 06 13.1–.00 9.32N 123.95E 540 6.1b,6.0b
NEIC V 20 01 06 14.2 9.38N 123.97E 560 6.1b,6.0b
NEIC V 20 01 06 14.2–2.0 9.38N–.07 123.95E–.08 533–1 6.0,6.0
IDC V 20 01 06 14.7–.45 9.32N 123.94E 549–4 6.0,5.1b
NEIC V 20 01 06 14.1 9.38N 123.98E 532 6.0,5.1b
NEIC V 20 01 06 14.2 9.38N 124.17E 560 6.0,5.1b
DJA V 20 01 06 14.3–.20 9N–2.0 124E–2.0 525–3 7.0,6.1b
BGR V 20 01 06 15.3 9.35N 123.95E 550 6.4,5.9b
GCMT V 20 01 06 16.2–.10 9.33N–.01 124.02E–.01 545–0 6.0W,5.9b
ISC Event type ke.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-0.26 $M_{\theta\theta}$-0.40 $M_{\phi\phi}$0.67 $M_{r\theta}$-0.88 $M_{\theta\phi}$-0.29 $M_{\phi r}$0.38 NP1:ϕ_s21.99000°,δ33.31000°,λ-13.86000°. NP2:ϕ_s123.64000°,δ82.44000° ,λ-122.54000°. Principal axes: T 1.0904,Plg30.0000°,Azm240.0000°; N 0.1279,Plg32.0000° ,Azm128.0000°; P -1.2183,Plg43.0000°,Azm2.0000° $M_0$1.16000$\times 10^{18}$
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 4^{s}8 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.21 $M_{\theta\theta}$-0.47 $M_{\phi\phi}$0.67 $M_{r\theta}$-0.73 $M_{\theta\phi}$-0.42 $M_{\phi r}$0.34 NP1:ϕ_s121.17000°,δ82.74000° ,λ-130.50000°. NP2:ϕ_s22.75000°,δ41.03000°,λ-11.09000°. Principal axes: T 1.0901,Plg26.0000°,Azm242.0000°; N -0.0076,Plg40.0000°,Azm127.0000° ; P -1.0825,Plg39.0000°,Azm355.0000° $M_0$1.09000$\times 10^{18}$
BGR Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to mantle waves, cutoff=125s. Triangular moment-rate function. Moment Tensor Solution. s159,c337; s114,c137; Duration: 2^{s}4 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.21±.01 $M_{\theta\theta}$-0.47±.01; $M_{\phi\phi}$0.67±.01; $M_{r\theta}$-0.88±.01; $M_{\theta\phi}$-0.36±.01; $M_{\phi r}$0.39±.01; Best double couple: NP1:ϕ_s122.00000°,δ84.00000° ,λ-125.00000°. NP2:ϕ_s23.00000°,δ36.00000°,λ-11.00000°. Principal axes: T 1.1420,Plg30.0000°,Azm240.0000°; N 0.0800,Plg35.0000°,Azm126.0000° ; P -1.2220,Plg41.0000°,Azm359.0000° $M_0$1.18200$\times 10^{18}$
ISC V 30 12 10 17.2–1.2 9.93N–.04 122.25E–.04 24–9 4.4b 57 0-81
IDC V 30 12 10 13.0–2.6 10.17N 123.17E 0 4.0s,3.7 ¶610685720
NEIC V 30 12 10 17.2–2.1 10.0N–.10 122.7E–.10 34–6 4.5b,3.7
MAN V 30 12 10 17.3 9.94N 122.25E 23 4.5b,3.4L
ISC Event type se.
IDC Error ellipse: s-maj=235.8km s-min=29.0km az=63.0.
NEIC Event type se. Error ellipse: s-maj=19.2km s-min=13.7km az=70.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(258) Sulu Archipelago.

IDC III 26 10 15 31.9–1.9 5.65N 120.32E 0 3.6,3.6b ¶610543717
IDC Error ellipse: s-maj=419.7km s-min=29.8km az=60.0.

(259) Mindanao.

ISC I 02 15 05 36.8–1.1 7.98N–.02 125.23E–.03 9–10 3.3b 34 1-53
MAN I 02 15 05 36.4 7.94N 125.16E 1 4.6b,3.4L ¶610236477
IDC I 02 15 05 38.3–2.3 6.77N 122.96E 0 3.4,3.4b
ISC Event type ke.
IDC Error ellipse: s-maj=251.9km s-min=28.7km az=63.0.
ISC I 05 04 02 57.9–.83 6.50N–.09 125.9E–.10 150 3.4b 19 1-89
IDC I 05 04 02 59.7–.92 6.47N 125.21E 172–7 3.7,3.2b ¶610236753
MAN I 05 04 03 00.7 6.58N 125.74E 166 4.5b,3.4L
ISC Event type ke.
IDC Error ellipse: s-maj=47.6km s-min=15.7km az=74.0.
ISC I 06 05 20 57.9–1.0 5.85N–.08 126.06E–.09 132–10 3.6b 19 0-42
IDC I 06 05 20 49.2–1.5 5.25N 126.09E 0 4.2L,3.9 ¶610236810
MAN I 06 05 20 57.9 5.93N 126.19E 114 4.2b,3.0L
ISC Event type ke.
IDC Error ellipse: s-maj=91.2km s-min=20.1km az=72.0.
ISC I 06 13 14 49.6–.79 6.45N–.03 126.15E–.04 48–7 4.4b,3.5s 109 1-152
MAN I 06 13 14 49.0 6.45N 126.15E 26 4.8b,3.7L ¶610236835
IDC I 06 13 14 50.6–.95 6.53N 126.20E 58–9 4.4,4.1b
NEIC I 06 13 14 51.8–1.5 6.50N–.07 125.9E–.10 59–6 4.6b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 06 20 20 01.0–.81 9.98N–.03 126.11E–.05 60–7 4.1b,2.6s 88 0-146
MAN I 06 20 20 01.2 9.93N 125.98E 16 4.8b,3.7L ¶610236853
IDC I 06 20 20 02.9–3.0 9.88N 125.80E 82–28 3.9,3.6b
NEIC I 06 20 20 05.2–2.3 9.9N–.10 125.9E–.10 102–8 4.2b,3.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 07 02 38 32.2–.65 5.66N–.04 126.60E–.05 73–6 4.7b 201 1-147
MAN I 07 02 38 29.7 5.62N 126.60E 56 5.4b,4.7s ¶610038902
BJI I 07 02 38 30.3–.00 5.46N 126.71E 78 5.0b,4.7b
NEIC I 07 02 38 31.5–1.7 5.66N–.06 126.59E–.09 62–4 4.8b,4.7b
IDC I 07 02 38 31.6–1.6 5.68N 126.59E 66–15 4.5,4.1b
DJA I 07 02 38 32.2–.40 6N–3.0 127E–2.0 66–3 5.5b,5.4
ISC Event type fe.
MAN Event type fe. INTENSITY I - GENERAL SANTOS CITY.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 07 12 10 30.2–.81 6.29N–.07 126.22E–.08 137–7 3.3b 24 1-83
IDC I 07 12 10 30.7–.97 6.31N 126.25E 143–11 3.7,3.2b ¶610236898
MAN I 07 12 10 31.2 6.25N 126.19E 115 4.2b,3.0L
ISC Event type ke.
IDC Error ellipse: s-maj=57.3km s-min=14.4km az=71.0.
ISC I 07 17 56 26.4–.68 9.47N–.03 126.58E–.07 20–4 4.0b 54 1-94
IDC I 07 17 56 22.4–1.3 9.52N 126.73E 0 4.1L,3.6 ¶610236912
MAN I 07 17 56 26.9 9.50N 126.54E 18 4.5b,3.4L
NEIC I 07 17 56 28.8–1.8 9.55N–.08 126.5E–.10 37–8 4.5b,3.4L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 09 06 34 56.1–1.0 5.88N–.09 125.7E–.10 150 3.5b 9 1-73
IDC I 09 06 34 42.8–38 5.74N 126.49E 0 3.7s,3.7 ¶610237000
MAN I 09 06 34 58.2 5.92N 125.81E 125 4.5b,3.4L
ISC Event type ke.
IDC Error ellipse: s-maj=648.8km s-min=239.9km az=157.0.
ISC I 09 15 26 35.6–1.1 6.6N–.20 125.9E–.30 250 3.0b 7 1-83
IDC I 09 15 26 07.9–1.3 7.04N 125.50E 0 3.4,3.4b ¶610237034
MAN I 09 15 26 36.0 6.32N 125.59E 251 4.3b,3.1L
ISC Event type ke.
IDC Error ellipse: s-maj=76.5km s-min=25.2km az=74.0.
ISC I 12 21 33 20.6–1.7 6.12N–.04 126.46E–.05 9–10 4.1b,3.4s 85 1-122
IDC I 12 21 33 18.4–.72 6.23N 126.68E 0 3.8,3.7b ¶610237261
MAN I 12 21 33 21.8 6.07N 126.46E 18 4.9b,3.9s
NEIC I 12 21 33 23.4–1.4 6.10N–.06 126.39E–.09 19–4 4.3b,3.9s
DJA I 12 21 33 24.6–.50 6N–3.0 126E–5.0 10 4.9b,4.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN I 13 05 51 37.7 5.61N 126.68E 72 4.5b,3.3L ¶615392325
ISC I 15 06 24 25.3–1.9 6.01N–.06 126.52E–.06 15–10 3.3b 28 1-56
IDC I 15 06 24 22.2–1.5 6.47N 127.05E 0 3.5,3.5b ¶610237416
MAN I 15 06 24 27.6 5.99N 126.43E 17 4.0b,2.7L
ISC Event type ke.
IDC Error ellipse: s-maj=53.9km s-min=19.5km az=49.0.
IDC I 16 08 27 32.8–2.3 6.07N 124.23E 0 4.0,4.0b ¶610237500
IDC Error ellipse: s-maj=277.2km s-min=22.5km az=63.0.
MAN I 17 15 11 27.1 5.09N 126.24E 2 3.9b,2.7L ¶615392402
ISC I 17 21 37 35.4–.89 9.30N–.03 126.18E–.05 55–8 3.9b 55 0-89
IDC I 17 21 37 26.8–1.7 9.68N 127.01E 0 4.3L,3.6 ¶610237625
NEIC I 17 21 37 30.4–.52 9.60N–.05 126.7E–.10 21–7 4.2b,3.6
MAN I 17 21 37 36.0 9.24N 126.10E 26 4.7b,3.6L
ISC Event type se.
IDC Error ellipse: s-maj=51.7km s-min=27.6km az=82.0.
NEIC Event type se. Error ellipse: s-maj=21.1km s-min=3.4km az=71.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 18 17 04 38.4–.92 6.04N–.04 125.47E–.05 65–8 3.4b 40 0-55
IDC I 18 17 04 30.3–1.3 5.89N 124.93E 0 3.5,3.5b ¶610237675
DJA I 18 17 04 37.3–.60 6N–4.0 125E–5.0 93–10 5.0b,4.5
MAN I 18 17 04 38.2 6.13N 125.45E 59 4.6b,3.4L
ISC Event type ke.
IDC Error ellipse: s-maj=34.7km s-min=14.4km az=105.0.
MAN I 18 19 43 16.5 6.45N 126.88E 45 4.1b,2.9L ¶615392425
ISC I 20 03 43 55.9–.47 8.87N–.03 126.73E–.04 31–3 4.8b,4.1s 333 1-170
DJA I 20 03 43 53.5–.40 9N–4.0 127E–4.0 10 5.5,5.5 ¶610102450
BJI I 20 03 43 57.0–.00 8.90N 126.70E 53 4.9b,4.6b
NEIC I 20 03 43 59.2–1.7 8.88N–.08 126.70E–.09 58–2 4.9b,4.6b
IDC I 20 03 44 00.8–1.6 8.81N 126.56E 74–14 4.6,4.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.0km s-min=10.9km az=82.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=14.3km s-min=9.4km az=80.0.
MAN I 21 10 24 37.8 8.77N 126.77E 33 4.5b,3.3L ¶615392472
ISC I 21 23 45 46.7–.92 6.68N–.05 126.30E–.07 75–9 4.0b 37 1-89
MAN I 21 23 45 45.0 6.63N 126.37E 47 4.5b,3.3L ¶610235035
IDC I 21 23 45 46.7–2.5 6.73N 126.36E 72–21 3.9,3.5b
NEIC I 21 23 45 47.4–1.3 6.7N–.10 126.3E–.10 76–10 4.2b,3.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 23 01 39 44.8–2.1 6.05N–.08 126.5E–.20 82–16 4.4b 25 1-122
MAN I 23 01 39 40.9 6.31N 126.91E 25 4.3b,3.1L ¶610235151
IDC I 23 01 39 43.7–4.8 5.56N 125.14E 64–48 4.2,3.9b
ISC Event type ke.
IDC Error ellipse: s-maj=77.1km s-min=14.8km az=76.0.
MAN I 23 02 50 32.6 6.92N 126.58E 26 3.9b,2.6L ¶615392509
ISC I 24 18 52 06.6–.82 6.81N–.04 126.94E–.06 70–8 4.3b 128 1-89
DJA I 24 18 52 02.1–.50 7N–4.0 127E–4.0 53–3 5.3b,5.1 ¶610235278
MAN I 24 18 52 07.6 6.81N 126.73E 39 5.0b,4.0s
NEIC I 24 18 52 07.6–2.4 6.84N–.09 126.90E–.09 79–8 4.5b,4.0s
IDC I 24 18 52 08.3–1.5 6.82N 126.83E 87–14 4.2,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.6km s-min=8.4km az=223.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=22.4km s-min=10.8km az=70.0.
ISC I 26 08 29 15.5–.97 5.89N–.07 126.46E–.09 10 3.4b 12 1-73
IDC I 26 08 29 14.1–1.1 5.47N 125.21E 0 3.9s,3.5 ¶610235373
MAN I 26 08 29 18.4 6.08N 126.44E 1 4.3b,3.1L
ISC Event type ke.
IDC Error ellipse: s-maj=46.1km s-min=12.6km az=93.0.
MAN I 26 11 00 27.1 7.75N 125.52E 26 3.8b,2.6L ¶615392562
IDC I 26 22 10 48.1–2.5 5.47N 123.40E 0 3.9,3.9b ¶610235417
IDC Error ellipse: s-maj=334.3km s-min=24.0km az=63.0.
IDC I 27 09 34 06.9–2.6 6.41N 123.65E 0 3.6,3.6b ¶610235466
IDC Error ellipse: s-maj=302.6km s-min=25.3km az=64.0.
ISC I 27 10 08 19.2–1.9 5.9N–.10 126.4E–.10 63–23 3.2b 14 1-56
IDC I 27 10 08 12.7–2.5 5.57N 125.17E 0 3.4,3.4b ¶610235471
MAN I 27 10 08 20.9 6.21N 126.35E 15 4.4b,3.2L
ISC Event type ke.
IDC Error ellipse: s-maj=230.4km s-min=27.7km az=65.0.
ISC I 27 21 35 08.0–1.8 6.74N–.09 126.9E–.10 35 3.1b 7 1-55
IDC I 27 21 35 02.8–1.4 5.90N 124.65E 0 3.3,3.3b ¶610235511
MAN I 27 21 35 09.3 6.76N 126.73E 30 4.4b,3.3L
ISC Event type ke.
IDC Error ellipse: s-maj=32.8km s-min=14.9km az=115.0.
ISC I 28 02 43 28.1–.90 9.78N–.06 125.75E–.07 121–6 3.8b 35 0-146
IDC I 28 02 43 12.2–1.3 10.16N 126.57E 0 3.8,3.8b ¶610235528
MAN I 28 02 43 28.1 9.77N 125.75E 116 4.8b,3.7L
ISC Event type ke.
IDC Error ellipse: s-maj=166.7km s-min=19.8km az=68.0.
ISC I 28 03 23 01.9–.60 6.66N–.05 125.99E–.06 154–6 4.2b 74 1-121
MAN I 28 03 23 01.3 6.67N 126.05E 152 4.7b,3.6L ¶610235531
NEIC I 28 03 23 02.3–1.4 6.62N–.10 125.8E–.20 153–6 4.4b,3.6L
IDC I 28 03 23 02.4–.48 6.55N 125.61E 159–3 4.3,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=26.5km s-min=11.6km az=69.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=33.7km s-min=9.7km az=68.0.

ISC I 28 03 43 45.2–1.3 5.4N–.10 126.0E–.10 119–14 3.4b 15 1-84
MAN I 28 03 43 40.4 5.17N 126.46E 73 4.7b,3.6L ¶610235534
IDC I 28 03 43 46.7–1.5 5.58N 126.39E 132–15 3.5,3.3s
ISC Event type ke.
IDC Error ellipse: s-maj=65.5km s-min=16.0km az=71.0.
MAN I 28 04 24 07.0 5.61N 126.70E 44 4.4b,3.2L ¶615392595
ISC I 28 14 34 47.0–.73 6.1N–.20 123.7E–.30 550 3.8b 15 10-88
IDC I 28 14 34 47.4–1.5 6.08N 123.75E 550–17 4.2,3.1b ¶610235565
ISC Event type ke.
IDC Error ellipse: s-maj=69.5km s-min=10.4km az=66.0.
ISC I 28 15 17 07.2–.72 5.74N–.08 126.1E–.10 150 3.6b 22 1-98
IDC I 28 15 17 09.6–.77 5.90N 125.92E 170–5 3.8,3.4b ¶610235567
MAN I 28 15 17 11.2 5.84N 125.86E 146 4.3b,3.2L
ISC Event type ke.
IDC Error ellipse: s-maj=32.6km s-min=12.1km az=67.0.
MAN I 28 18 54 33.6 6.13N 125.06E 1 3.8b,2.6L ¶615392607
IDC I 28 19 20 18.9–1.2 7.62N 125.10E 0 3.8,3.8b ¶610235588
IDC Error ellipse: s-maj=74.6km s-min=22.6km az=71.0.
ISC I 28 21 55 34.1–1.7 9.79N–.07 126.37E–.10 52–17 3.6b,3.0s 39 1-94
IDC I 28 21 55 27.0–.73 9.61N 125.69E 0 4.0L,3.7 ¶610235594
MAN I 28 21 55 34.4 9.86N 126.23E 18 4.6b,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=35.1km s-min=14.5km az=76.0.
ISC I 28 23 51 21.0–1.8 5.7N–.10 126.4E–.10 35 3.0b 10 1-56
IDC I 28 23 51 17.6–1.2 5.56N 125.52E 0 3.1s,3.1 ¶610235600
MAN I 28 23 51 19.2 5.83N 126.59E 22 4.4b,3.3L
ISC Event type ke.
IDC Error ellipse: s-maj=75.4km s-min=18.2km az=81.0.
ISC I 29 05 06 41.4–1.7 9.88N–.04 126.44E–.06 32–12 4.2b,2.8s 80 1-146
IDC I 29 05 06 36.6–.65 9.85N 126.29E 0 4.0,4.0b ¶610235615
NEIC I 29 05 06 39.6–1.0 9.9N–.10 125.9E–.20 16–5 4.5b,4.0b
MAN I 29 05 06 41.5 9.81N 126.34E 14 4.7b,3.6L
ISC Event type fe.
IDC Error ellipse: s-maj=35.2km s-min=15.0km az=74.0.
NEIC Event type se. Error ellipse: s-maj=29.5km s-min=13.9km az=76.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN Event type fe. INTENSITY II - DEL CARMEN SURIGAO DEL NORTE.
MAN I 29 14 55 15.9 8.84N 124.51E 4 4.4b,3.2L ¶615392631
ISC I 30 01 28 54.5–1.1 7.89N–.04 126.86E–.08 50–10 4.3b 88 1-122
MAN I 30 01 28 53.4 7.93N 126.80E 15 4.9b,3.8L ¶610235684
NEIC I 30 01 28 58.0–1.6 7.93N–.07 126.6E–.10 74–7 4.4b,3.8L
IDC I 30 01 28 58.6–1.8 7.91N 126.65E 88–16 4.2,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.8km s-min=6.5km az=116.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=25.3km s-min=12.0km az=89.0.
ISC I 30 02 43 55.3–.32 9.88N–.03 126.10E–.04 57–2 5.1b,3.9s 864 1-172
BJI I 30 02 43 53.1–.00 9.58N 126.06E 73 5.0b,4.9b ¶611831691
MOS I 30 02 43 54.2–.90 10.01N 125.82E 53 5.3b,4.9b
DJA I 30 02 43 54.6–.50 10N–3.0 126E–4.0 53–4 5.5,5.4b
MAN I 30 02 43 55.0 9.89N 126.16E 29 5.6b,4.9s
NEIC I 30 02 43 55.8–1.9 9.94N–.07 126.04E–.09 53–5 5.1b,4.9s
GCMT I 30 02 43 56.8–.40 9.87N–.02 126.28E–.03 46–1 5.1W,4.9s
IDC I 30 02 43 59.2–1.2 9.86N 125.97E 89–10 5.0,4.6b
ISC Event type fe.
MOS Error ellipse: s-maj=8.3km s-min=4.3km az=115.9.
MAN Event type fe. INTENSITY V - BURGOS SURIGAO DEL NORTE; INTENSITY IV - SURIGAO CITY; DEL CARMEN DAPA SURIGAO DEL NORTE; INTENSITY III - LORETO DINAGAT ISLAND; SOCORRO SURIGAO DEL NORTE; INTENSITY II - SAN FRANCISCO SOUTHERN LEYTE ; GENERAL LUNA TUBOD SURIGAO DEL NORTE.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=10.0km az=80.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s41,c49; s65,c94;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}4.75±.26 $M_{\theta\theta}$-0.18±.16; $M_{\phi\phi}$-4.57±.15; $M_{r\theta}$0.77±.12; $M_{\theta\phi}$0.25±.11; $M_{\phi r}$1.19±.18; Best double couple: NP1:ϕ_s6.00000°,δ53.00000°,λ101.00000°. NP2:ϕ_s168.00000°,δ39.00000°,λ76.00000°. Principal axes: T 5.0210,Plg79.0000° ,Azm320.0000°; N -0.2990,Plg9.0000°,Azm179.0000°; P -4.7250,Plg7.0000°,Azm88.0000° $M_0$4.87300×10^{16}
IDC Error ellipse: s-maj=13.2km s-min=6.8km az=82.0.
ISC I 30 12 40 46.7–.67 5.45N–.05 126.20E–.08 50 4.0b 30 1-85
MAN I 30 12 40 45.3 5.62N 126.42E 10 4.7b,3.6L ¶610235730
NEIC I 30 12 40 50.4–2.6 5.3N–.10 125.9E–.10 80–9 4.0b,3.6L
IDC I 30 12 40 51.8–2.0 5.34N 125.96E 98–21 3.9,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.5km s-min=15.5km az=57.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=111.7km s-min=15.1km az=70.0.
MAN I 30 20 32 57.4 5.24N 126.11E 57 4.5b,3.4L ¶615392655
ISC I 31 20 39 08.5–.87 9.79N–.04 126.36E–.06 45–8 4.2b,2.6s 95 0-146
NEIC I 31 20 39 07.3–1.8 10.04N–.08 126.5E–.10 42–10 4.4b,2.6s ¶610235844
MAN I 31 20 39 09.9 9.72N 126.16E 24 4.9b,3.8L
IDC I 31 20 39 13.6–3.7 9.63N 126.03E 91–33 4.0,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.2km s-min=11.6km az=78.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=47.1km s-min=15.8km az=61.0.
MAN II 01 02 52 13.1 8.61N 124.49E 30 4.0b,2.8L ¶615934654
MAN II 01 13 39 27.0 5.37N 126.58E 34 4.4b,3.3L ¶615934659
ISC II 02 17 46 36.5–.85 7.72N–.04 126.72E–.06 46–8 4.2b,2.8s 92 0-88
IDC II 02 17 46 29.9–.74 7.83N 126.98E 0 4.0,4.0b ¶610414689
MAN II 02 17 46 34.8 7.69N 126.81E 23 5.3b,4.4s
NEIC II 02 17 46 40.3–1.4 7.71N–.09 126.46E–.09 80–7 4.3b,4.4s
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN II 03 02 07 01.7 6.69N 126.33E 51 3.9b,2.7L ¶615934674
ISC II 03 11 47 29.3–.95 6.35N–.06 126.84E–.07 61–14 3.6b 31 1-55
MAN II 03 11 47 28.9 6.38N 126.86E 32 4.6b,3.4L ¶610414735
IDC II 03 11 47 28.9–2.7 6.49N 127.02E 78–24 3.7,3.6s
ISC Event type ke.
IDC Error ellipse: s-maj=49.6km s-min=12.8km az=49.0.
ISC II 04 02 14 48.8–1.1 6.2N–.20 124.9E–.40 350 3.2b 6 28-84
IDC II 04 02 14 48.6–13 6.22N 124.91E 347–152 3.8,3.0b ¶610414780
ISC Event type ke.
IDC Error ellipse: s-maj=51.7km s-min=20.9km az=60.0.
MAN II 04 12 40 48.8 6.86N 123.96E 12 4.0b,2.8L ¶615934682
ISC II 04 18 02 34.2–.43 5.74N–.03 124.70E–.04 52–4 4.7b,3.8s 385 1-122
MAN II 04 18 02 28.9 5.69N 124.65E 1 5.1b,4.2s ¶610197360
BJI II 04 18 02 31.6–.00 5.62N 124.98E 48 4.9b,4.5b
DJA II 04 18 02 31.8–1.2 6N–2.0 125E–3.0 16–11 5.7b,5.2
NEIC II 04 18 02 35.0–1.4 5.75N–.06 124.72E–.06 54–7 4.8b,5.2
IDC II 04 18 02 36.1–1.4 5.74N 124.72E 74–13 4.4,4.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=8.2km az=116.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=15.4km s-min=9.4km az=82.0.
IDC II 05 00 45 13.0–2.6 5.35N 126.30E 0 4.0s,3.5 ¶610414851
IDC Error ellipse: s-maj=203.9km s-min=30.6km az=65.0.
MAN II 08 09 38 12.1 8.80N 121.92E 32 4.1b,2.9L ¶615934708
ISC II 08 19 59 50.9–.73 6.31N–.04 126.21E–.06 89–7 3.5b 39 1-122
IDC II 08 19 59 51.0–1.4 6.58N 126.42E 97–11 3.7,3.3b ¶610415138
ISC Event type ke.
IDC Error ellipse: s-maj=38.5km s-min=12.5km az=64.0.
MAN II 08 20 59 50.5 6.29N 126.25E 61 4.6b,3.4L ¶615934721
ISC II 09 03 09 57.9–2.3 6.06N–.07 126.34E–.08 2–13 3.4b 15 1-55
IDC II 09 03 09 58.0–1.9 6.06N 126.36E 0 3.4,3.4b ¶610415156
MAN II 09 03 09 59.3 6.18N 126.42E 9 4.5b,3.4L
ISC Event type ke.
IDC Error ellipse: s-maj=114.2km s-min=17.5km az=61.0.
ISC II 09 04 37 03.8–1.2 5.95N–.09 126.4E–.10 10 3.4b 11 1-56
IDC II 09 04 37 03.5–2.2 5.79N 126.17E 0 3.4,3.4b ¶610415158
MAN II 09 04 37 06.4 6.24N 126.30E 1 4.7b,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=225.8km s-min=18.5km az=68.0.
ISC II 09 06 48 32.8–1.0 6.01N–.07 126.31E–.09 10 3.6b 13 1-60
IDC II 09 06 48 32.1–1.4 5.91N 126.29E 0 3.7,3.7b ¶610415163
MAN II 09 06 48 33.6 6.14N 126.41E 13 4.8b,3.7L
ISC Event type ke.
IDC Error ellipse: s-maj=108.0km s-min=15.7km az=64.0.
ISC II 10 14 03 43.1–.24 9.84N–.02 125.45E–.02 15–1 6.4s,6.0b 1979 0-178
IDC II 10 14 03 40.5–.29 9.96N 125.34E 0 6.2s,5.4 ¶610208008
BJI II 10 14 03 41.0–.00 9.85N 125.40E 10 6.5s,6.4
MOS II 10 14 03 41.2–1.0 9.94N 125.41E 14 6.3s,6.2b
MAN II 10 14 03 42.0 9.90N 125.39E 9 6.7b,6.7s
NEIC II 10 14 03 43.9–1.9 9.91N–.06 125.45E–.04 15–1 6.5,6.4
DJA II 10 14 03 45.9–.80 10N–2.0 126E–2.0 29–6 7.0,6.6b
GCMT II 10 14 03 46.9–.00 9.85N 125.49E 12 6.5W,6.6b
NEIC II 10 14 03 50 9.80N 125.56E 20 6.5W,6.6b
KLM II 10 14 03 50 9.76N 125.76E 81 6.1b,6.6b
BGR II 10 14 03 51.0 9.88N 125.50E 14 6.6s,5.2b
ISC Event type fe.
IDC Error ellipse: s-maj=12.4km s-min=6.9km az=81.0.
MOS Error ellipse: s-maj=6.2km s-min=3.6km az=113.7.
MAN Event type fe. INTENSITY VII - SURIGAO CITY; INTENSITY VI- MALIMONO & SAN FRANCISO SURIGAO DEL NORTE; PINTUYAN SOUTHERN LEYTE;; INTENSITY V- MAINIT & PLACER SURIGAO DEL NORTE; LIBJO & SAN JOSE DINAGAT ISLAND; MANDAUE CITY SAN RICARDO LIMASAWA & SAN FRANCISCO SOUTHERN LEYTE;; INTENSITY IV- HINUNANGAN & SAN JUAN SOUTHERN LEYTE;ABUYOG LEYTE;MAYORGA LEYTE BUTUAN CITY; CABADBARAN AGUSAN DEL NORTE; INTENSITY III- MAMBAJAO CAMIGUIN;ORMOC CITY; PALO PASTRANA TOLOSA & TACLOBAN LEYTE; CATBALOGAN CITYW.SAMAR ; BISLIG CITY GINGOOG CITY MISAMIS ORIENTAL; DAPA SURIGAO DEL NORTE; ILIGAN CITY; CAGAYAN DE ORO CITY; INTENSITY II- CEBU CITY; TALOCOGON AGUSAN DEL SUR; DUMAGUETE CITY; TAGBILARAN CITY BOHOL; CAPOOCAN LEYTE; EL SALVADOR MISAMIS ORIENTAL; OROQUIETA CITY AND PLARIDEL MISAMIS OCCIDENTAL.
NEIC Event type se. Error ellipse: s-maj=11.0km s-min=5.7km az=29.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}0.17 $M_{\theta\theta}$2.29 $M_{\phi\phi}$-2.46 $M_{r\theta}$-0.28 $M_{\theta\phi}$-3.69 $M_{\phi r}$-0.81 NP1:ϕ_s343.21000°,δ84.41000°,λ-8.52000°. NP2:ϕ_s74.05000°,δ81.52000° ,λ-174.34000°. Principal axes: T 4.3125,Plg2.0000°,Azm29.0000°; N 0.3123,Plg80.0000° ,Azm130.0000°; P -4.6248,Plg10.0000°,Azm298.0000° $M_0$4.48000×10^{18}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s171,c403; s171,c728; Duration: 4$\overset{s}{.}$2 Moment tensor: Scale 10^{18}Nm; M_{rr}0.06±.02 $M_{\theta\theta}$3.95±.02; $M_{\phi\phi}$-4.00±.03; $M_{r\theta}$-1.24±.06; $M_{\theta\phi}$-4.26±.02; $M_{\phi r}$-2.14±.06; Best double couple: NP1:ϕ_s70.00000°,δ78.00000° ,λ-163.00000°. NP2:ϕ_s337.00000°,δ74.00000°,λ-12.00000°. Principal axes: T 5.8170,Plg3.0000°,Azm203.0000°; N 0.9280,Plg70.0000°,Azm104.0000° ; P -6.7410,Plg20.0000°,Azm294.0000° $M_0$6.27900×10^{18}
NEIC Event type se. Moment Tensor Solution.Duration: 10$\overset{s}{.}$0 Moment tensor: Scale 10^{18}Nm; M_{rr}0.23 $M_{\theta\theta}$4.30 $M_{\phi\phi}$-4.54 $M_{r\theta}$1.63 $M_{\theta\phi}$-3.67 $M_{\phi r}$-0.27 NP1:ϕ_s156.00000°,δ77.00000° ,λ9.00000°. NP2:ϕ_s64.00000°,δ81.00000°,λ167.00000°. Principal axes: T 6.0781,Plg16.0000°,Azm19.0000°; N -0.2051,Plg74.0000°,Azm210.0000° ; P -5.8731,Plg3.0000°,Azm110.0000° $M_0$5.98000×10^{18}
ISC Event type ke. Hypocentre not reviewed by the ISC.
ISC II 10 14 26 30.4–1.1 9.85N–.03 125.41E–.04 12–8 3.6b 28 1-86
MAN II 10 14 26 28.6 9.76N 125.35E 1 4.7b,3.6L ¶610415237
IDC II 10 14 26 39.7–2.7 9.36N 123.57E 81–27 3.7,3.4b
ISC Event type ke.
IDC Error ellipse: s-maj=42.4km s-min=14.9km az=64.0.
ISC II 10 15 09 01.8–.84 9.79N–.02 125.40E–.03 13–5 4.1b 56 0-86
MAN II 10 15 09 01.3 9.77N 125.38E 2 4.9b,3.8L ¶615934794
IDC II 10 15 09 08.9–2.2 9.85N 125.54E 74–24 4.1,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=26.7km s-min=14.5km az=84.0.
ISC II 10 15 58 36.4–.52 7.33N–.03 126.66E–.05 82–4 4.4b 134 1-122
IDC II 10 15 58 36.1–.66 7.40N 126.78E 78–5 4.2,3.9b ¶610208014
DJA II 10 15 58 36.6–.80 8N–6.0 126E–4.0 113–5 5.3b,5.0
MAN II 10 15 58 37.7 7.36N 126.57E 55 4.9b,3.9L
NEIC II 10 15 58 38.1–2.0 7.38N–.10 126.57E–.07 87–6 4.6b,3.9L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 10 16 35 00.3–.83 9.31N–.03 126.28E–.06 10 3.5b 38 0-53
IDC II 10 16 35 00.6–1.6 7.92N 123.19E 0 3.6,3.5b ¶615934745
MAN II 10 16 35 04.2 9.27N 126.18E 20 4.8b,3.7L
ISC Event type ke.
IDC Error ellipse: s-maj=39.0km s-min=18.8km az=26.0.
IDC II 10 17 10 21.1–3.0 8.18N 124.01E 0 3.3,3.3b ¶610415249
IDC Error ellipse: s-maj=298.7km s-min=28.8km az=64.0.
MAN II 11 08 45 32.2 9.95N 125.50E 33 4.0b,2.7L ¶615934815
ISC II 11 09 04 33.7–.98 7.38N–.04 124.15E–.03 19–4 4.2b 50 0-87
IDC II 11 09 04 31.1–.87 7.35N 124.07E 0 4.0,4.0b ¶610415303
MAN II 11 09 04 33.6 7.38N 124.22E 22 5.0b,3.9L
NEIC II 11 09 04 37.5–.64 7.10N–.08 124.3E–.10 53–11 4.4b,3.9L
ISC Event type fe.
MAN Event type fe. INTENSITY III - BALABAGAN LANAO DEL SUR; INTENSITY II - COTABATO CITY.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 11 09 11 02.1–.51 9.79N–.03 125.51E–.04 26–3 4.7b,4.2s 206 0-165
MAN II 11 09 10 59.4 9.73N 125.37E 1 5.6b,4.9s ¶615934816
NEIC II 11 09 11 00.1–1.9 9.85N–.04 125.46E–.08 10–1 4.9b,4.9s
BJI II 11 09 11 01.3–.00 9.70N 125.70E 38 5.0b,4.6s
DJA II 11 09 11 03.1–1.1 10N–4.0 126E–3.0 31–8 5.6,5.5b
GCMT II 11 09 11 04.1–.20 9.85N–.01 125.57E–.02 24–1 5.1W,5.5b
IDC II 11 09 11 07.3–2.1 9.83N 125.45E 71–19 4.4,4.1b
ISC Event type fe.
MAN Event type fe. INTENSITY V - SURIGAO CITY; INTENSITY III - SAN RICARDO SOUTHERN LEYTE; INTENSITY II - GINGOOG CITY.
NEIC Event type se. Error ellipse: s-maj=13.6km s-min=6.4km az=108.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s47,c59; s107,c146;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.59±.19 $M_{\theta\theta}$4.63±.15; $M_{\phi\phi}$-5.22±.19; $M_{r\theta}$-0.24±.20; $M_{\theta\phi}$-1.68±.12; $M_{\phi r}$-0.17±.24; Best double couple: NP1:ϕ_s234.00000°,δ89.00000°,λ177.00000°. NP2:ϕ_s324.00000°,δ87.00000°,λ1.00000°. Principal axes: T 4.9180,Plg3.0000° ,Azm189.0000°; N 0.5880,Plg87.0000°,Azm45.0000°; P -5.5060,Plg2.0000°,Azm279.0000° $M_0$5.21200×10^{16}
IDC Error ellipse: s-maj=15.8km s-min=8.9km az=76.0.

ISC II 11 09 15 24.8–.52 6.86N–.05 125.46E–.04 21–2 4.5b 53 0-97
MAN II 11 09 15 24.8 6.84N 125.46E 19 5.3b,4.5s ¶610415304
IDC II 11 09 15 24.9–.96 6.89N 125.57E 25–5 4.1,4.0s
NEIC II 11 09 15 25.0–1.0 6.91N–.05 125.4E–.10 16–5 4.6b,4.0s
ISC Event type fe.
MAN Event type fe. INTENSITY II - GENERAL SANTOS CITY.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 11 09 32 51.5–.79 6.85N–.06 125.47E–.05 10 3.9b 26 0-97
IDC II 11 09 32 50.3–.91 7.19N 126.10E 0 3.9,3.9b ¶610415305
MAN II 11 09 32 54.2 6.85N 125.51E 23 5.3b,4.5s
ISC Event type fe.
IDC Error ellipse: s-maj=19.9km s-min=9.1km az=165.0.
MAN Event type fe. INTENSITY III - DAVAO CITY.
ISC II 11 10 54 38.4–1.6 5.8N–.10 124.49E–.06 56–18 3.3b 20 1-55
IDC II 11 10 54 31.2–1.4 5.64N 124.13E 0 4.0L,3.5 ¶610415313
MAN II 11 10 54 39.1 5.95N 124.44E 51 4.0b,2.8L
ISC Event type fe.
IDC Error ellipse: s-maj=43.1km s-min=24.4km az=82.0.
MAN Event type fe. INTENSITY I - GENERAL SANTOS CITY.
ISC II 11 11 37 38.1–1.3 6.78N–.05 125.48E–.04 17–8 3.3b 34 0-59
IDC II 11 11 37 36.1–1.2 6.67N 125.42E 0 3.3,3.3b ¶610415314
MAN II 11 11 37 38.9 6.90N 125.44E 6 4.8b,3.7L
ISC Event type ke.
IDC Error ellipse: s-maj=34.9km s-min=8.9km az=109.0.
MAN II 11 13 59 57.9 9.68N 125.41E 23 3.9b,2.6L ¶615934829
MAN II 11 14 30 27.6 9.99N 125.55E 26 4.1b,2.9L ¶615934830
ISC II 11 20 40 14.6–.38 9.01N–.03 126.53E–.04 47–3 4.8b,3.8s 325 1-164
BJI II 11 20 40 09.9–.00 8.89N 126.61E 32 5.0b,4.5b ¶610208488
DJA II 11 20 40 13.0–1.2 9N–3.0 127E–4.0 20–9 5.4,5.2
MAN II 11 20 40 13.8 9.00N 126.49E 19 5.4b,4.6s
GCMT II 11 20 40 14.6–.40 8.97N–.02 126.58E–.05 31–2 4.9W,4.6s
IDC II 11 20 40 15.3–1.2 9.10N 126.48E 50 4.5,4.2b
NEIC II 11 20 40 15.6–1.2 9.06N–.07 126.40E–.08 50–6 4.9b,4.2b
ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s27,c28; s57,c79;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}1.35±.17 $M_{\theta\theta}$-0.01±.10; $M_{\phi\phi}$-1.33±.11; $M_{r\theta}$-0.63±.13; $M_{\theta\phi}$0.08±.05; $M_{\phi r}$2.17±.23; Best double couple: NP1:ϕ_s346.00000°,δ75.00000°,λ84.00000°. NP2:ϕ_s186.00000°,δ16.00000°,λ110.00000°. Principal axes: T 2.6600,Plg60.0000° ,Azm248.0000°; N -0.0570,Plg5.0000°,Azm347.0000°; P -2.5970,Plg30.0000°,Azm80.0000° $M_0$2.62900×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 12 02 35 29.5–.87 9.79N–.04 125.40E–.04 13–5 3.5b 30 0-95
IDC II 12 02 35 27.3–.99 9.80N 125.51E 0 3.7b,3.6 ¶610415348
MAN II 12 02 35 29.1 9.72N 125.37E 4 4.7b,3.6L
ISC Event type fe.
IDC Error ellipse: s-maj=53.0km s-min=20.5km az=80.0.
MAN Event type fe. INTENSITY III - SURIGAO CITY.
ISC II 12 03 01 30.1–.90 9.80N–.03 125.31E–.03 13–5 4.4b,3.1s 111 0-146
MAN II 12 03 01 30.3 9.73N 125.34E 6 5.1b,4.2s ¶610415349
NEIC II 12 03 01 30.3–1.4 9.90N–.08 125.51E–.08 10–1 4.6b,4.2s
IDC II 12 03 01 35.2–2.1 9.79N 125.35E 53–21 4.7L,4.2
ISC Event type fe.
MAN Event type fe.
NEIC Event type se. Error ellipse: s-maj=16.8km s-min=8.7km az=40.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=19.8km s-min=10.9km az=82.0.
ISC II 12 11 26 22.1–.82 9.81N–.03 125.42E–.03 16–5 3.7b 41 0-92
IDC II 12 11 26 17.6–1.4 10.22N 126.38E 0 4.3L,3.7 ¶610415375
MAN II 12 11 26 21.7 9.79N 125.33E 5 4.7b,3.6L
ISC Event type fe.
IDC Error ellipse: s-maj=72.7km s-min=19.7km az=77.0.
MAN Event type fe.
ISC II 12 15 01 48.8–1.3 9.91N–.03 126.43E–.04 14–8 4.4b,3.3s 106 0-146
NEIC II 12 15 01 48.7–1.8 9.91N–.06 126.3E–.10 10–1 4.6b,3.3s ¶610415385
MAN II 12 15 01 52.9 9.87N 126.40E 85 5.0b,4.0L
IDC II 12 15 01 58.8–2.7 9.79N 126.21E 97–26 4.1,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.5km s-min=9.8km az=284.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=34.4km s-min=13.8km az=70.0.
IDC II 12 15 14 31.5–3.0 7.17N 125.19E 0 4.0,4.0b ¶610415386
IDC Error ellipse: s-maj=293.3km s-min=24.1km az=65.0.
ISC II 12 19 51 30.0–.39 9.79N–.02 125.42E–.03 21–3 4.2b,3.5s 90 1-146
NEIC II 12 19 51 27.0–1.9 10.0N–.10 125.9E–.20 10–2 4.3b,3.5s ¶610415396
IDC II 12 19 51 26.9–.50 9.84N 125.55E 0 4.1,4.1b
MAN II 12 19 51 29.1 9.74N 125.33E 1 5.1b,4.1L
ISC Event type fe.
NEIC Event type se. Error ellipse: s-maj=27.2km s-min=17.7km az=78.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=21.2km s-min=11.3km az=77.0.
MAN Event type fe. INTENSITY III - SURIGAO CITY; INTENSITY I- SAN FRANCISCO & SAN RICARDO SOUTHERN LEYTE; GINGOOG CITY MISAMIS ORIENTAL.
ISC II 13 11 10 48.6–1.4 9.81N–.07 125.62E–.08 19–4 3.5b 19 0-75
IDC II 13 11 10 44.3–3.0 10.31N 127.10E 0 3.5s,3.5 ¶610415447
MAN II 13 11 10 49.4 9.79N 125.50E 20 4.5b,3.4L
ISC Event type ke.
IDC Error ellipse: s-maj=265.1km s-min=21.5km az=66.0.
ISC II 13 11 14 39.0–3.1 9.75N–.04 125.50E–.05 14–19 4.3b,3.5s 80 2-146
IDC II 13 11 14 36.5–.60 9.71N 125.30E 0 4.2L,4.1 ¶610415448
MAN II 13 11 14 38.6 9.78N 125.52E 21 5.0b,3.9L
NEIC II 13 11 14 45.5–1.4 9.69N–.09 125.4E–.10 59–9 4.6b,3.9L
ISC Event type fe.
MAN Event type fe. INTENSITY IV - SURIGAO CITY; INTENSITY I - SAN FRANCISCO & SAN RICARDO SOUTHERN LEYTE; GINGOOG CITY MISAMIS ORIENTAL.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 13 19 14 43.9–.80 9.71N–.03 125.53E–.04 14–5 4.4b,3.4s 117 0-146
MAN II 13 19 14 43.6 9.77N 125.49E 17 4.9b,3.8L ¶610415466
BJI II 13 19 14 43.9–.00 9.83N 125.45E 16 4.9b,4.4b
NEIC II 13 19 14 45.2–1.9 9.72N–.04 125.65E–.07 24–6 4.7b,4.4b
IDC II 13 19 14 49.3–2.2 9.76N 125.49E 58–22 4.2L,4.1
DJA II 13 19 14 50.3–1.2 10N–7.0 126E–6.0 50–12 5.5b,5.0
ISC Event type fe.
MAN Event type fe. INTENSITY II - SURIGAO CITY.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 13 20 04 00.8–.55 9.77N–.03 125.39E–.04 29–3 4.8b,4.0s 497 0-147
MOS II 13 20 03 56.6–.94 9.81N 125.46E 14 4.9b,4.0s ¶610208909
NEIC II 13 20 03 58.4–1.9 9.84N–.06 125.46E–.08 10–1 5.0b,4.0s
MAN II 13 20 03 59.7 9.69N 125.38E 23 5.6b,5.0s
BJI II 13 20 04 00.1–.00 9.75N 125.60E 47 4.9b,4.6b
GCMT II 13 20 04 01.4–.30 9.83N–.02 125.57E–.02 24–1 4.9W,4.6b
DJA II 13 20 04 01.2–1.1 10N–4.0 126E–3.0 30–9 5.5,5.4b
IDC II 13 20 04 04.9–1.7 9.82N 125.48E 67–17 4.6,4.4b
ISC Event type fe.
MOS Error ellipse: s-maj=9.5km s-min=5.1km az=102.1.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=9.4km az=61.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN Event type fe. INTENSITY V - SURIGAO CITY; INTENSITY IV - MALIMONO SURIGAO DEL NORTE; SAN JOSE & DINAGAT DINAGAT ISLAND; INTENSITY III - BUTUAN CITY; INTENSITY II - SAN RICARDO & SAN FRANCISCO SOUTHERN LEYTE; GINGOOG CITY.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s17,c18; s76,c106;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}0.52±.15 $M_{\theta\theta}$1.78±.09; $M_{\phi\phi}$-2.30±.14; $M_{r\theta}$-0.06±.14; $M_{\theta\phi}$-1.62±.08; $M_{\phi r}$-0.36±.15; Best double couple: NP1:ϕ_s334.00000°,δ87.00000°,λ-6.00000°. NP2:ϕ_s64.00000°,δ84.00000°,λ-177.00000°. Principal axes: T 2.3470,Plg2.0000° ,Azm19.0000°; N 0.5590,Plg84.0000°,Azm127.0000°; P -2.9040,Plg6.0000°,Azm289.0000° $M_0$2.62500×10^{16}
IDC Error ellipse: s-maj=16.1km s-min=8.8km az=76.0.
MAN II 14 03 55 29.2 9.91N 125.47E 29 4.2b,3.0L ¶615934884
MAN Event type fe. INTENSITY I - SURIGAO CITY.
ISC II 15 00 35 37.0–.93 9.75N–.04 125.39E–.03 8–6 3.8b,3.4s 38 0-95
IDC II 15 00 35 36.0–1.0 9.65N 125.18E 0 3.8,3.8b ¶610415536
MAN II 15 00 35 36.6 9.86N 125.52E 26 5.1b,4.0L
ISC Event type fe.
IDC Error ellipse: s-maj=62.6km s-min=23.3km az=68.0.
MAN Event type fe. INTENSITY IV - SURIGAO CITY; INTENSITY I - SAN FRANCISCO SOUTHERN LEYTE.
MAN II 15 08 47 45.9 9.77N 125.38E 6 5.0b,4.0s ¶615934897
MAN Event type fe. INTENSITY IV - SURIGAO CITY; SAN FRANCISCO SURIGAO DEL NORTE; INTENSITY I - SAN RICARDO SOUTHERN LEYTE.
ISC II 15 17 02 00.7–2.2 9.24N–.05 126.98E–.08 9–13 3.6b 25 1-53
MAN II 15 17 01 59.8 9.29N 127.00E 0 4.5b,3.4L ¶610415574
IDC II 15 17 02 00.0–3.1 9.16N 126.40E 0 3.7,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=246.8km s-min=26.2km az=66.0.
ISC II 16 04 10 45.1–1.1 9.71N–.03 125.37E–.03 8–9 3.6b 37 1-86
IDC II 16 04 10 42.6–1.9 10.06N 126.02E 0 3.7,3.7b ¶610415608
MAN II 16 04 10 46.1 9.70N 125.33E 7 4.9b,3.9L
ISC Event type fe.
IDC Error ellipse: s-maj=204.9km s-min=22.7km az=67.0.
MAN Event type fe. INTENSITY IV - SURIGAO CITY; SISON AND MALIMONO SURIGAO DEL NORTE; INTENSITY III- MAINIT SURIGAO DEL NORTE; INTENSITY II - TUBOD AND ALEGRIA SURIGAO DEL NORTE; INTENSITY I - SAN RICARDO SOUTHERN LEYTE.
ISC II 16 06 27 07.2–.91 6.87N–.04 125.48E–.03 22–7 4.4b 62 0-97
DJA II 16 06 27 04.4–2.6 7N–20 126E–15 35–6 5.1b,4.8b ¶610239484
IDC II 16 06 27 04.4–.91 6.91N 125.95E 0 3.7,3.7b
MAN II 16 06 27 07.6 6.93N 125.41E 11 5.1b,4.1s
NEIC II 16 06 27 07.0–2.0 7.0N–.10 125.4E–.20 25–7 4.5b,4.1s
ISC Event type fe.
MAN Event type fe. INTENSITY IV -DIGOS CITY DAVAO DEL SUR; DAVAO CITY; INTENSITY III - MALITA DAVAO OCCIDENTAL; INTENSITY I - KIDAPAWAN CITY.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN II 16 10 46 52.3 9.80N 125.44E 22 4.5b,3.3L ¶615934907
MAN Event type fe.
ISC II 17 09 18 26.4–.76 9.77N–.02 125.39E–.03 17–4 4.6b,3.6s 195 0-146
DJA II 17 09 18 24.5–4.0 10N–3.0 126E–4.0 17–2 5.6,5.5b ¶610224166
NEIC II 17 09 18 26.3–1.6 9.85N–.07 125.42E–.09 10–1 4.7b,5.5b
MAN II 17 09 18 26.1 9.71N 125.33E 1 5.4b,4.6s
BJI II 17 09 18 28.4–.00 9.88N 125.51E 34 4.8b,4.4b
IDC II 17 09 18 35.7–1.6 9.79N 125.36E 95–16 4.4,4.0b
ISC Event type fe.
NEIC Event type se. Error ellipse: s-maj=15.3km s-min=10.9km az=74.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN Event type fe.
IDC Error ellipse: s-maj=16.4km s-min=9.3km az=73.0.
IDC II 17 18 44 36.8–2.6 5.50N 123.41E 0 3.7s,3.4 ¶610415720
IDC Error ellipse: s-maj=334.4km s-min=27.4km az=63.0.
IDC II 19 01 26 57.5–2.3 5.99N 123.92E 0 3.5,3.5b ¶610415789
IDC Error ellipse: s-maj=237.8km s-min=26.7km az=64.0.
ISC II 19 15 31 46.6–.45 5.80N–.04 123.97E–.06 541–5 4.4b 261 1-152
MAN II 19 15 31 45.2 5.82N 123.52E 538 5.3b,4.5s ¶610231563
IDC II 19 15 31 46.8–.62 5.81N 123.97E 541–7 4.6,3.7b
NEIC II 19 15 31 47.1–1.4 5.81N–.07 123.96E–.09 540–6 4.4b,3.7b
DJA II 19 15 31 48.3–.90 6N–10 124E–5.0 508–15 4.9,4.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC II 20 07 31 11.9–2.3 7.19N 125.10E 0 3.9,3.9b ¶610384675
IDC Error ellipse: s-maj=352.7km s-min=34.0km az=69.0.
ISC II 20 07 42 41.3–1.2 10.00N–.02 126.30E–.04 20–4 3.8b 47 0-94
IDC II 20 07 42 38.1–1.1 10.01N 126.09E 0 3.8,3.8b ¶610384677
MAN II 20 07 42 44.7 10.00N 126.11E 9 4.9b,3.8L
ISC Event type ke.
IDC Error ellipse: s-maj=89.3km s-min=24.7km az=69.0.
ISC II 21 11 50 34.6–1.3 5.44N–.03 126.35E–.05 29–10 4.2b 50 2-90
IDC II 21 11 50 30.6–1.1 5.47N 126.12E 0 4.0,4.0b ¶610384746
NEIC II 21 11 50 31.4–1.7 5.78N–.05 126.4E–.10 10–1 4.2b,4.0b
MAN II 21 11 50 35.7 5.18N 126.36E 25 4.8b,3.7L
DJA II 21 11 50 36.6–2.4 5N–5.0 126E–5.0 13–22 5.1b,4.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 22 06 21 16.2–1.1 5.4N–.20 127.0E–.30 150 3.4b 6 2-120
IDC II 22 06 21 15.2–2.7 5.42N 127.14E 138–28 3.6,3.2b ¶610384791
ISC Event type ke.
IDC Error ellipse: s-maj=55.9km s-min=18.2km az=77.0.
MAN II 22 15 02 09.0 9.40N 125.69E 7 4.5b,3.3L ¶615935006
ISC II 22 23 36 16.4–3.3 7.82N–.04 121.48E–.03 7–21 4.3b,4.0s 66 2-98
IDC II 22 23 36 15.3–.88 7.94N 122.03E 0 3.9,3.9b ¶610384834
MAN II 22 23 36 18.3 7.76N 121.47E 37 4.9b,3.8L
NEIC II 22 23 36 20.8–1.1 7.69N–.09 121.6E–.10 34–5 4.4b,3.8L
ISC Event type fe.
MAN Event type fe. INTENSITY II - ZAMBOANGA CITY.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 23 01 50 15.9–.95 7.05N–.03 125.62E–.03 15–6 4.6b,3.4s 125 0-97
IDC II 23 01 50 12.4–.66 7.06N 125.85E 0 4.5L,4.0 ¶610239728
DJA II 23 01 50 13.3–.50 7N–4.0 126E–3.0 10 5.1b,4.9
NEIC II 23 01 50 15.9–1.6 7.07N–.09 125.59E–.09 12–5 4.7b,4.9
MAN II 23 01 50 15.0 7.08N 125.54E 10 5.3b,4.5s
ISC Event type fe.
IDC Error ellipse: s-maj=15.0km s-min=5.5km az=4.0.
NEIC Event type se. Error ellipse: s-maj=14.4km s-min=11.4km az=55.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN Event type fe. INTENSITY IV - DAVAO CITY.
ISC II 23 03 06 56.5–.59 6.16N–.04 124.72E–.04 22–4 4.4b,3.5s 54 0-98
MAN II 23 03 06 54.5 6.14N 124.70E 7 5.2b,4.2s ¶610384844
DJA II 23 03 06 57.4–1.1 6N–3.0 125E–4.0 27–10 5.3b,4.7
NEIC II 23 03 06 59.9–1.8 6.11N–.06 124.96E–.07 44–6 4.5b,4.7
IDC II 23 03 07 00.8–2.5 6.23N 125.25E 58–23 4.0,3.8b
ISC Event type fe.
MAN Event type fe. INTENSITY II - KIAMBA SARANGANI; LAKE SEBU SOUTH COTABATO ; INTENSITY I - KORONADAL CITY.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=8.3km az=113.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=55.8km s-min=17.5km az=72.0.
MAN II 23 07 38 13.6 9.94N 125.40E 34 4.0b,2.8L ¶615935014
ISC II 23 11 17 39.5–.80 7.10N–.03 125.51E–.03 18–4 4.0b,3.1s 53 0-95
NEIC II 23 11 17 37.8–.66 7.27N–.04 125.6E–.20 16–6 4.2b,3.1s ¶610240056

IDC	II	23 11 17 37.6–1.1	7.05N	125.83E	0	3.6,3.6b		
MAN	II	23 11 17 40.3	6.97N	125.55E	13	5.0b,4.0s		
ISC	Event type fe.							
NEIC	Event type se. Error ellipse: s-maj=34.3km s-min=6.1km az=89.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
IDC	Error ellipse: s-maj=20.9km s-min=6.8km az=12.0.							
MAN	Event type fe. INTENSITY III - DAVAO CITY.							
ISC	**II**	**23 13 32 40.8–1.1**	**5.5N–.10**	**125.33E–.10**	**200**	**3.2b**	**13**	**1-55**
IDC	II	23 13 32 22.0–1.8	4.29N	122.59E	0	3.4,3.4b		**¶610384881**
MAN	II	23 13 32 43.4	5.51N	125.31E	172	4.1b,2.9L		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=242.5km s-min=25.2km az=63.0.							
ISC	**II**	**24 18 27 51.1–.89**	**6.04N–.04**	**126.75E–.06**	**84–8**	**4.1b**	**84**	**1-90**
MAN	II	24 18 27 50.2	6.10N	126.80E	21	5.1b,4.2s		**¶610384950**
NEIC	II	24 18 27 51.4–2.0	6.06N–.04	126.77E–.05	80–8	4.2b,4.2s		
DJA	II	24 18 27 51.8–.50	6N–3.0	127E–5.0	10	7.2,7.0		
IDC	II	24 18 27 52.2–1.6	5.98N	126.59E	97–14	3.9,3.6b		
ISC	Event type se.							
NEIC	Event type se. Error ellipse: s-maj=8.3km s-min=4.5km az=127.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
IDC	Error ellipse: s-maj=33.4km s-min=13.7km az=70.0.							
ISC	**II**	**26 09 45 44.1–1.1**	**9.98N–.09**	**125.43E–.09**	**195–7**	**3.5b**	**20**	**0-67**
IDC	II	26 09 45 21.7–4.8	10.68N	126.63E	0	3.7,3.7b		**¶610385050**
MAN	II	26 09 45 44.7	10.03N	125.42E	175	4.4b,3.2L		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=423.2km s-min=27.7km az=68.0.							
MAN	**II**	**27 08 26 08.5**	**8.47N**	**123.09E**	**29**	**4.0b,2.8L**		**¶615935076**
ISC	**II**	**27 09 01 50.3–.75**	**5.94N–.04**	**126.02E–.06**	**65–7**	**4.2b**	**97**	**0-122**
MAN	II	27 09 01 41.9	5.43N	126.38E	70	5.3b,4.5s		**¶610385112**
BJI	II	27 09 01 45.0–.00	6.30N	126.10E	19	4.9b,4.7b		
DJA	II	27 09 01 49.3–1.3	6N–3.0	126E–4.0	25–13	5.0b,4.7		
IDC	II	27 09 01 50.2–1.3	5.94N	126.04E	70–10	4.1,3.8b		
NEIC	II	27 09 01 51.1–2.3	5.98N–.06	125.9E–.10	67–9	4.5b,3.8b		
ISC	Event type se.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
ISC	**II**	**28 05 02 37.4–.42**	**5.00N–.03**	**126.91E–.06**	**76**	**4.4b**	**99**	**2-123**
MAN	II	28 05 02 36.8	5.00N	127.01E	38	4.7b,3.6L		**¶610385171**
IDC	II	28 05 02 38.2–2.2	5.08N	126.82E	84–19	4.3,4.0b		
NEIC	II	28 05 02 39.4–1.8	5.12N–.09	126.9E–.10	88–6	4.5b,4.0b		
DJA	II	28 05 02 40.4–.50	5N–3.0	127E–4.0	110–12	4.9b,4.7		
ISC	Event type se.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
ISC	**III**	**01 17 30 31.0–1.8**	**5.50N–.06**	**126.34E–.06**	**17–10**	**3.6b**	**28**	**1-60**
IDC	III	01 17 30 27.5–1.9	5.60N	126.07E	0	3.6,3.6b		**¶610545335**
MAN	III	01 17 30 32.8	5.64N	126.49E	1	4.7b,3.6L		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=192.2km s-min=21.1km az=65.0.							
ISC	**III**	**02 12 16 31.0–.77**	**5.06N–.04**	**125.81E–.06**	**122–8**	**3.8b**	**62**	**1-122**
MAN	III	02 12 16 30.1	4.97N	125.80E	110	5.0b,4.0s		**¶610545385**
DJA	III	02 12 16 32.6–.40	5N–2.0	126E–2.0	125–7	4.8b,4.6		
IDC	III	02 12 16 32.4–1.3	5.21N	125.91E	130–11	4.0,3.6b		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=28.3km s-min=11.3km az=70.0.							
MAN	**III**	**03 03 38 56.9**	**9.75N**	**125.37E**	**3**	**4.5b,3.3L**		**¶616058360**
MAN	Event type fe. INTENSITY II - SAN FRANCISCO SOUTHERN LEYTE.							
MAN	**III**	**03 04 10 48.5**	**9.77N**	**125.34E**	**4**	**4.6b,3.5L**		**¶616058361**
MAN	Event type fe. INTENSITY III - SURIGAO CITY; SAN FRANCISCO SOUTHERN LEYTE.							
IDC	**III**	**03 15 43 19.1–2.2**	**6.10N**	**125.99E**	**0**	**3.8,3.8b**		**¶610545464**
IDC	Error ellipse: s-maj=205.5km s-min=23.3km az=65.0.							
ISC	**III**	**03 23 09 00.0–1.2**	**5.01N–.08**	**126.03E–.08**	**100**	**3.0b**	**24**	**2-56**
IDC	III	03 23 08 49.6–2.2	4.75N	125.00E	0	3.3,3.3b		**¶610545483**
MAN	III	03 23 08 58.3	4.96N	126.12E	95	4.5b,3.4L		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=203.8km s-min=27.4km az=64.0.							
MAN	**III**	**04 19 10 00.7**	**9.78N**	**125.36E**	**22**	**3.6b,2.3L**		**¶616058394**
ISC	**III**	**05 00 08 20.6–.34**	**9.78N–.02**	**125.45E–.02**	**27–2**	**5.6b,5.3s**	**1657**	**0-165**
IDC	III	05 00 08 16.4–.32	9.86N	125.29E	0	5.3,5.3b		**¶610245306**
MOS	III	05 00 08 16.8–.86	9.81N	125.40E	18	5.9b,5.3s		
BJI	III	05 00 08 16.8–.00	9.67N	125.66E	30	5.6b,5.6s		
NEIC	III	05 00 08 17.7	9.83N	125.52E	8	5.6b,5.6s		
DJA	III	05 00 08 18.7–.50	10N–3.0	126E–2.0	20–3	6.3,6.1b		
NEIC	III	05 00 08 18.0–1.5	9.83N–.06	125.50E–.07	11–3	5.8b,5.7		
MAN	III	05 00 08 18.5	9.76N	125.38E	10	6.2b,5.9s		
NEIC	III	05 00 08 20	9.82N	125.55E	20	6.2b,5.9s		
GCMT	III	05 00 08 22.0–.10	9.84N–.01	125.48E–.01	20–0	5.7W,5.9s		
KLM	III	05 00 08 25	9.59N	125.65E	60	5.6b,5.9s		
NEIC	III	05 00 08 26	9.82N	125.45E	16	5.6b,5.9s		
BGR	III	05 00 08 50.7	14.81N	121.50E	33	5.6s,5.5b		
ISC	Event type fe. Moment Tensor Solution. NP1:ϕ_s41.86915°,δ77.47247°,λ-135.84419°. NP2: ϕ_s299.97595°,δ47.15425°,λ-17.20812°. Principal axes: T Plg19.1155°,Azm164.3432° ; N Plg44.4565°,Azm54.4621°; P Plg39.3628°,Azm270.8609°							
IDC	Error ellipse: s-maj=9.0km s-min=7.4km az=47.0.							
MOS	Error ellipse: s-maj=7.1km s-min=3.6km az=117.7.							
NEIC	Event type se.							
NEIC	Event type se. Error ellipse: s-maj=10.6km s-min=8.7km az=77.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.39 $M_{\theta\theta}$1.35 $M_{\phi\phi}$-1.74 $M_{r\theta}$-0.64 $M_{\theta\phi}$-1.86 $M_{\phi r}$-0.78 NP1:ϕ_s338.82000°,δ72.23000°,λ-5.85000°. NP2:ϕ_s70.61000°,δ84.43000° ,λ-162.14000°. Principal axes: T 2.2607,Plg8.0000°,Azm203.0000°; N 0.6471,Plg71.0000° ,Azm87.0000°; P -2.9079,Plg17.0000°,Azm296.0000° $M_0$2.64000×10^{17}							
MAN	Event type fe. INTENSITY VI - SURIGAO CITY; INTENSITY V - BASILISA CAGDIANAO AND SAN JOSE DINAGAT ISLANDS; MALIMONO SURIGAO DEL NORTE; INTENSITY IV - BUTUAN CITY; JABONGA AGUSAN DEL NORTE; LIBJO DINAGAT ISLANDS; ALEGRIA AND MAINIT SURIGAO DEL NORTE; LIMASAWA AND SAN RICARDO SOUTHERN LEYTE; ; INTENSITY III - GINGOOG CITY; REMEDIOS T. ROMUALDEZ AGUSAN DEL NORTE; SAN FRANCISCO AND SAN JUAN SOUTHERN LEYTE; CLAVER SURIGAO DEL NORTE; ; INTENSITY II - GENERAL LUNA SURIGAO DEL NORTE; ORMOC CITY; CAGAYAN DE ORO CITY.							
NEIC	Event type se.							
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s119,c213; s152,c300;Duration: $1^{s}8$ Moment tensor: Scale 10^{17}Nm; M_{rr}-0.14±.05 $M_{\theta\theta}$3.31±.05; $M_{\phi\phi}$-3.17±.05; $M_{r\theta}$-1.75±.11; $M_{\theta\phi}$-2.48±.04; $M_{\phi r}$-1.87±.12; Best double couple: NP1:ϕ_s65.00000°,δ83.00000°,λ-151.00000°. NP2:ϕ_s331.00000°,δ61.00000°,λ-8.00000°. Principal axes: T 4.4350,Plg15.0000° ,Azm194.0000°; N 0.6950,Plg60.0000°,Azm77.0000°; P -5.1280,Plg26.0000°,Azm292.0000° $M_0$4.78100×10^{17}							
NEIC	Event type se. Moment Tensor Solution.Duration: $12^{s}0$ Moment tensor: Scale 10^{17}Nm; M_{rr}-1.39 $M_{\theta\theta}$3.25 $M_{\phi\phi}$-1.86 $M_{r\theta}$-0.93 $M_{\theta\phi}$-2.19 $M_{\phi r}$-1.96 NP1:ϕ_s329.00000°,δ63.00000° ,λ-26.00000°. NP2:ϕ_s71.00000°,δ67.00000°,λ-150.00000°. Principal axes: T 4.0662,Plg2.0000°,Azm200.0000°; N 0.2231,Plg53.0000°,Azm106.0000° ; P -4.2892,Plg37.0000°,Azm291.0000° $M_0$4.18000×10^{17}							
BGR	Event type ke.							
ISC	**III**	**05 04 06 43.9–.84**	**9.79N–.03**	**125.37E–.03**	**16–5**	**4.0b,3.5s**	**85**	**0-146**
NEIC	III	05 04 06 43.5–1.3	9.85N–.09	125.5E–.10	10–1	4.3b,3.5s		**¶610545571**
MAN	III	05 04 06 43.8	9.79N	125.37E	9	5.1b,4.1s		
IDC	III	05 04 06 51.5–2.1	9.76N	125.30E	81–21	3.9,3.6b		
ISC	Event type fe.							
NEIC	Event type se. Error ellipse: s-maj=19.8km s-min=14.1km az=69.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
MAN	Event type fe. INTENSITY IV- SURIGAO CITY; INTENSITY II - SAN RICARDO SOUTHERN LEYTE; INTENSITY I - SAN FRANCISCO SOUTHERN LEYTE AND GINGOOG CITY.							
IDC	Error ellipse: s-maj=27.1km s-min=13.0km az=72.0.							
MAN	**III**	**05 04 14 32.8**	**9.87N**	**125.45E**	**15**	**4.4b,3.2L**		**¶616058406**
ISC	**III**	**05 21 17 37.3–.90**	**9.82N–.04**	**125.44E–.05**	**19–3**	**3.7b,3.1s**	**46**	**0-146**
IDC	III	05 21 17 34.1–.75	9.90N	125.58E	0	3.8,3.8b		**¶610545611**
MAN	III	05 21 17 37.0	9.75N	125.32E	3	4.9b,3.8L		
ISC	Event type fe.							
IDC	Error ellipse: s-maj=34.2km s-min=13.0km az=76.0.							
MAN	Event type fe. INTENSITY II - SURIGAO CITY SURIGAO DEL NORTE.							
ISC	**III**	**06 01 39 02.9–.28**	**5.62N–.04**	**124.01E–.05**	**529**	**4.7b**	**338**	**1-123**
BJI	III	06 01 38 57.7–.00	5.13N	124.32E	529	4.9b,4.8b		**¶610245517**
MAN	III	06 01 39 01.5	5.54N	124.16E	534	5.2b,4.2s		
IDC	III	06 01 39 03.6–.62	5.61N	124.02E	537–7	4.7,3.8b		
NEIC	III	06 01 39 03.1–1.3	5.64N–.09	124.0E–.10	529–8	4.6b,3.8b		
DJA	III	06 01 39 03.3–.20	6N–3.0	124E–2.0	518–3	5.8,5.7		
ISC	Event type se.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
MAN	**III**	**06 12 02 28.0**	**8.91N**	**126.66E**	**1**	**4.3b,3.1L**		**¶616058438**
ISC	**III**	**06 15 03 09.3–1.2**	**7.50N–.02**	**124.42E–.02**	**2–9**	**3.5b**	**54**	**0-56**
IDC	III	06 15 03 08.7–.99	7.50N	124.31E	0	3.6,3.6b		**¶610545668**
MAN	III	06 15 03 10.2	7.49N	124.47E	6	5.0b,4.0s		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=26.9km s-min=13.2km az=40.0.							
ISC	**III**	**07 01 03 17.0–1.3**	**5.2N–.50**	**124E–1.0**	**550**	**3.6b**	**13**	**27-120**
IDC	III	07 01 03 21.7–2.4	5.04N	123.47E	591–23	4.1,3.1b		**¶610545689**
ISC	Event type ke.							
IDC	Error ellipse: s-maj=211.2km s-min=13.6km az=64.0.							
MAN	**III**	**07 11 09 06.9**	**7.17N**	**124.60E**	**35**	**3.6b,2.3L**		**¶616058465**
MAN	**III**	**07 11 52 53.7**	**9.92N**	**124.14E**	**30**	**3.9b,2.6L**		**¶616058466**
ISC	**III**	**08 16 38 45.5–1.0**	**6.85N–.06**	**126.35E–.07**	**20–8**	**3.6b**	**23**	**1-59**
IDC	III	08 16 38 44.1–.97	6.35N	125.03E	0	3.6,3.6b		**¶610545821**
MAN	III	08 16 38 46.3	6.73N	126.29E	19	4.6b,3.4L		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=24.3km s-min=10.3km az=117.0.							
ISC	**III**	**08 18 50 00.2–1.3**	**6.50N–.05**	**126.20E–.07**	**41–15**	**4.1b**	**44**	**1-55**
IDC	III	08 18 49 55.1–.96	6.13N	125.28E	0	3.8,3.8b		**¶610545827**
MAN	III	08 18 49 57.0	6.47N	126.36E	27	4.7b,3.6L		
NEIC	III	08 18 50 01.3–2.1	6.68N–.10	126.1E–.10	58–12	4.3b,3.6L		
ISC	Event type se.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
ISC	**III**	**09 00 04 43.1–1.2**	**5.79N–.09**	**126.6E–.10**	**161–10**	**3.7b**	**24**	**2-122**
MAN	III	09 00 04 43.3	5.80N	126.79E	134	4.6b,3.5L		**¶610545841**
IDC	III	09 00 04 43.3–3.6	5.95N	126.92E	164–27	3.8,3.4b		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=116.6km s-min=12.2km az=66.0.							
ISC	**III**	**09 11 53 34.2–1.3**	**5.9N–.10**	**126.1E–.10**	**119–13**	**3.3b**	**15**	**1-55**
IDC	III	09 11 53 22.6–1.5	5.35N	124.39E	0	4.0L,3.4		**¶610545876**
MAN	III	09 11 53 33.5	5.91N	126.20E	113	4.1b,2.9L		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=52.9km s-min=25.1km az=82.0.							
ISC	**III**	**09 20 44 40.7–2.0**	**8.89N–.06**	**122.09E–.04**	**4–13**	**3.7b**	**24**	**1-54**
MAN	III	09 20 44 43.3	8.95N	122.05E	32	4.6b,3.5L		**¶610545898**
IDC	III	09 20 44 49.6–2.0	8.15N	122.98E	0	3.5,3.5b		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=335.0km s-min=28.9km az=67.0.							
IDC	**III**	**11 03 32 42.6–2.8**	**6.65N**	**124.11E**	**0**	**3.3,3.3b**		**¶610545995**
IDC	Error ellipse: s-maj=305.6km s-min=28.5km az=64.0.							
ISC	**III**	**11 13 32 07.1–1.2**	**9.97N–.03**	**125.49E–.04**	**13–9**	**3.3b**	**34**	**0-52**
IDC	III	11 13 32 05.8–3.2	9.97N	125.65E	0	3.3,3.3b		**¶610546018**
MAN	III	11 13 32 08.6	9.84N	125.33E	10	4.4b,3.2L		
ISC	Event type fe.							
IDC	Error ellipse: s-maj=259.8km s-min=29.3km az=65.0.							
MAN	Event type fe. INTENSITY II - SURIGAO CITY.							
MAN	**III**	**11 17 34 43.5**	**9.85N**	**125.45E**	**21**	**4.0b,2.7L**		**¶616058527**
MAN	**III**	**12 04 17 08.3**	**8.00N**	**125.48E**	**19**	**4.3b,3.2L**		**¶616058541**
MAN	**III**	**12 14 04 35.0**	**9.60N**	**125.51E**	**17**	**3.5b,2.2L**		**¶616058558**
MAN	**III**	**14 02 33 08.4**	**7.45N**	**124.44E**	**20**	**4.6b,3.4L**		**¶616058590**
ISC	**III**	**14 11 47 52.4–1.0**	**9.71N–.03**	**125.42E–.03**	**16–6**	**4.6b,3.3s**	**205**	**1-146**
DJA	III	14 11 47 50.5–2.3	10N–5.0	126E–5.0	15–14	5.5b,5.2		**¶610328597**
MAN	III	14 11 47 52.6	9.70N	125.38E	7	5.5b,4.8s		
BJI	III	14 11 47 56.9–.00	9.58N	125.47E	72	5.1b,4.5b		
NEIC	III	14 11 47 56.4–2.2	9.76N–.07	125.38E–.08	41–7	4.7b,4.5b		
IDC	III	14 11 47 57.0–2.7	9.77N	125.44E	54–25	4.5L,4.4		
ISC	Event type fe.							
MAN	Event type fe.							
NEIC	Event type se. Error ellipse: s-maj=12.1km s-min=10.1km az=69.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
IDC	Error ellipse: s-maj=18.9km s-min=9.8km az=68.0.							
IDC	**III**	**16 08 40 52.2–2.2**	**5.67N**	**126.34E**	**0**	**3.6,3.6b**		**¶610546301**
IDC	Error ellipse: s-maj=217.0km s-min=21.8km az=66.0.							
IDC	**III**	**16 19 52 06.2–2.5**	**5.17N**	**123.07E**	**0**	**3.3,3.3b**		**¶610546334**
IDC	Error ellipse: s-maj=335.1km s-min=26.7km az=63.0.							
ISC	**III**	**17 23 53 29.0–1.1**	**7.64N–.02**	**124.69E–.03**	**11–7**	**4.3b,3.5s**	**90**	**0-144**
IDC	III	17 23 53 27.5–.81	7.49N	124.47E	0	4.0,4.0b		**¶610546420**
MAN	III	17 23 53 27.6	7.67N	124.67E	1	5.0b,4.0L		
NEIC	III	17 23 53 28.8–1.6	7.55N–.10	124.67E–.05	10–1	4.4b,4.0L		
ISC	Event type fe.							
MAN	Event type fe. INTENSITY IV - WAO LANAO DEL SUR AND KALILANGAN BUKIDNON; INTENSITY II - BANISILAN COTABATO.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
MAN	**III**	**18 00 52 30.3**	**7.69N**	**124.63E**	**1**	**4.4b,3.3L**		**¶616058661**
MAN	Event type fe. INTENSITY II - WAO LANAO DEL SUR AND KALILANGAN BUKIDNON.							
MAN	**III**	**18 01 19 38.4**	**7.70N**	**124.67E**	**3**	**4.7b,3.6L**		**¶616058662**
MAN	Event type fe. INTENSITY IV - WAO LANAO DEL SUR AND KALILANGAN BUKIDNON.							
MAN	**III**	**18 13 13 23.7**	**7.63N**	**124.61E**	**1**	**4.0b,2.7L**		**¶616058668**
MAN	Event type fe. INTENSITY I - KALINANGAN BUKIDNON.							
ISC	**III**	**20 14 35 24.5–1.7**	**5.5N–.10**	**125.1E–.10**	**48–16**	**3.4b**	**17**	**1-84**
MAN	III	20 14 35 23.4	5.52N	125.29E	32	4.2b,3.0L		**¶610543334**
IDC	III	20 14 35 27.3–2.9	5.65N	125.01E	81–26	3.4,3.1b		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=42.5km s-min=18.6km az=79.0.							
ISC	**III**	**20 22 55 55.9–1.3**	**9.27N–.02**	**125.55E–.04**	**13–9**	**3.9s,3.6b**	**40**	**0-95**
IDC	III	20 22 55 53.3–1.3	9.33N	126.07E	0	3.8s,3.6		**¶610543362**
MAN	III	20 22 55 56.7	9.33N	125.54E	19	4.8b,3.7L		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=89.3km s-min=24.8km az=69.0.							
MAN	**III**	**21 23 24 15.8**	**8.77N**	**122.68E**	**21**	**4.5b,3.4L**		**¶616058727**
MAN	**III**	**22 10 25 50.6**	**7.64N**	**126.90E**	**20**	**4.6b,3.5L**		
DJA	III	22 10 25 03.3–.60	5N–6.0	130E–3.0	297–9	5.3,5.2W		**¶615345971**
ISC	**III**	**23 14 52 04.4–1.8**	**6.42N–.07**	**126.78E–.10**	**52–16**	**3.5b**	**33**	**1-65**
MAN	III	23 14 52 06.1	6.50N	126.62E	39	4.6b,3.5L		**¶610543546**

IDC III 23 14 52 08.4–4.1 5.94N 125.30E 73–45 3.4,3.1b
ISC Event type ke.
IDC Error ellipse: s-maj=95.6km s-min=18.2km az=70.0.
ISC III 24 02 24 19.3–1.6 6.48N–.05 126.30E–.06 13–10 3.7b 27 0-97
IDC III 24 02 24 17.4–.95 6.76N 126.78E 0 3.7,3.7b **¶610543572**
MAN III 24 02 24 23.1 6.40N 126.30E 12 4.8b,3.7L
ISC Event type ke.
IDC Error ellipse: s-maj=30.1km s-min=17.6km az=53.0.
ISC III 24 13 18 42.5–.91 5.02N–.04 124.98E–.06 60–10 4.0b 55 1-122
MAN III 24 13 18 42.5 5.09N 124.98E 39 4.4b,3.2L **¶610543600**
DJA III 24 13 18 43.2–.40 5N–3.0 125E–3.0 68–8 5.0b,4.3
NEIC III 24 13 18 44.0–.97 5.0N–.10 125.1E–.10 65–10 4.2b,4.3
IDC III 24 13 18 46.2–2.3 5.04N 125.17E 95–19 3.9,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.0km s-min=12.3km az=46.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=47.1km s-min=13.6km az=83.0.
MAN III 25 02 06 06.8 9.66N 126.33E 20 4.3b,3.1L ¶616058806
ISC III 27 12 12 34.2–.53 6.06N–.04 126.01E–.05 130–5 4.4b 137 1-98
DJA III 27 12 12 32.5–.40 6N–3.0 126E–3.0 148–4 5.0b,4.9 **¶610436977**
IDC III 27 12 12 34.0–.55 6.05N 125.85E 139–5 4.3,3.9b
MAN III 27 12 12 33.6 6.16N 125.96E 130 5.0b,4.0s
NEIC III 27 12 12 34.7–2.2 6.11N–.07 125.95E–.09 132–7 4.5b,4.0s
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 28 10 08 18.3–.71 8.12N–.02 126.08E–.03 20–3 4.5b,3.5s 167 0-144
DJA III 28 10 08 00.9–2.2 10N–11 126E–6.0 17–20 5.6,5.3b **¶610437824**
IDC III 28 10 08 15.2–.55 8.10N 126.26E 0 4.3L,4.1
NEIC III 28 10 08 17.4–1.4 8.15N–.06 126.10E–.07 10–1 4.6b,4.1
MAN III 28 10 08 18.6 8.03N 126.14E 14 5.1b,4.1s
ISC Event type fe.
IDC Error ellipse: s-maj=21.6km s-min=11.1km az=90.0.
NEIC Event type se. Error ellipse: s-maj=12.5km s-min=9.3km az=101.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN Event type fe. INTENSITY IV - TRENTO AGUSAN DEL SUR; INTENSITY III - SANTA JOSEFA AGUSAN DEL SUR; INTENSITY II - BISLIG CITY; MONKAYO COMPOSTELLA VALLEY; ROSARIO AND BUNAWAN AGUSAN DEL SUR.
MAN III 29 11 09 05.0 8.74N 126.50E 27 4.2b,3.0L ¶616058878
MAN III 30 12 52 50.8 6.54N 124.35E 32 3.8b,2.5L ¶616058893
MAN III 31 00 27 20.5 9.98N 125.28E 3 4.1b,2.9L ¶616058908
MAN III 31 10 08 29.8 9.85N 125.42E 25 3.8b,2.5L ¶616058916
ISC III 31 16 57 59.2–.59 5.17N–.05 125.35E–.07 35 3.8b 36 1-95
MAN III 31 16 57 57.7 5.01N 125.30E 32 4.3b,3.1L **¶610544062**
IDC III 31 16 57 58.9–3.8 5.26N 125.53E 37–31 3.8,3.6b
NEIC III 31 16 58 11.1–2.0 4.46N–.09 125.0E–.10 108–14 4.0b,3.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 31 18 13 11.5–.76 6.03N–.04 126.22E–.07 135–7 4.3b 60 1-90
MAN III 31 18 13 11.4 6.01N 126.17E 136 4.9b,3.8L **¶610544068**
NEIC III 31 18 13 11.3–1.6 6.12N–.07 126.27E–.05 128–7 4.5b,3.8L
IDC III 31 18 13 13.1–.77 6.09N 125.97E 147–5 3.8,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=5.3km az=205.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=44.5km s-min=12.7km az=77.0.
ISC IV 01 13 34 01.0–.63 6.65N–.04 125.89E–.06 184–6 3.8b 83 0-121
NEIC IV 01 13 33 55.8–1.9 6.81N–.09 125.8E–.20 125–7 4.3b **¶610651707**
IDC IV 01 13 34 02.1–.61 6.68N 125.66E 177–3 3.9,3.4b
DJA IV 01 13 34 04.5–.50 7N–4.0 126E–4.0 155–5 5.6,5.4
MAN IV 01 13 34 04.1 6.82N 125.80E 157 4.8b,3.6L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=23.8km s-min=12.5km az=78.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=38.7km s-min=13.6km az=77.0.
ISC IV 02 03 38 25.1–.40 5.35N–.06 123.94E–.09 500 4.0b 81 2-128
NEIC IV 02 03 38 25.3–1.5 5.3N–.10 124.0E–.10 500–9 4.1b **¶610651741**
DJA IV 02 03 38 26.5–.60 5N–8.0 124E–4.0 481–7 4.7b,4.6
IDC IV 02 03 38 27.7–1.6 5.42N 123.95E 525–17 4.2,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.9km s-min=15.3km az=56.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=18.6km s-min=7.8km az=69.0.
MAN IV 02 19 33 43.4 9.98N 124.19E 1 4.5b,3.4L ¶616498008
ISC IV 03 02 07 53.5–.56 5.40N–.05 126.98E–.06 10 4.4b 54 2-123
NEIC IV 03 02 07 53.7–1.3 5.53N–.08 127.1E–.10 10–1 4.5b **¶610651787**
IDC IV 03 02 08 04.4–2.3 5.45N 127.06E 102–18 3.9,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.2km s-min=10.3km az=66.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=44.1km s-min=14.4km az=67.0.
ISC IV 03 05 10 52.4–1.5 9.77N–.06 126.57E–.07 33–6 3.6b 22 0-94
IDC IV 03 05 10 47.4–.91 9.70N 126.29E 0 3.7,3.7b **¶610651798**
MAN IV 03 05 10 52.4 9.76N 126.50E 15 4.4b,3.2L
ISC Event type ke.
IDC Error ellipse: s-maj=96.1km s-min=19.2km az=70.0.
ISC IV 03 08 56 49.2–.52 6.5N–.10 123.5E–.10 600 4.0b 36 5-161
IDC IV 03 08 56 50.3–2.2 6.46N 123.27E 613–30 4.3,3.2b **¶610651822**
NEIC IV 03 08 56 51.7–1.0 6.4N–.10 123.3E–.20 622–5 4.2b,3.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN IV 03 10 08 09.2 5.64N 126.36E 143 4.6b,3.4L ¶616498014
ISC IV 03 20 58 43.4–.77 5.63N–.07 126.05E–.09 116 3.7b 22 1-122
MAN IV 03 20 58 39.2 5.58N 126.37E 125 4.2b,3.0L **¶610651873**
IDC IV 03 20 58 43.0–1.4 5.62N 126.03E 111–11 3.6,3.2b
ISC Event type ke.
IDC Error ellipse: s-maj=45.2km s-min=14.0km az=70.0.
ISC IV 04 00 26 16.4–.51 5.31N–.06 126.94E–.09 84 4.1b 51 2-123
MAN IV 04 00 26 17.4 5.85N 127.24E 103 4.6b,3.5L **¶610651883**
NEIC IV 04 00 26 18.4–1.5 5.25N–.09 126.9E–.20 93–9 4.3b,3.5L
IDC IV 04 00 26 20.3–1.7 5.13N 126.64E 118–13 4.1,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=29.7km s-min=9.5km az=72.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=58.9km s-min=12.7km az=67.0.
ISC IV 04 11 41 12.8–1.1 5.1N–.10 125.0E–.30 300 3.4b 8 1-55
IDC IV 04 11 41 05.2–7.3 4.48N 123.63E 200–82 3.9,3.5s **¶610651910**
ISC Event type ke.
IDC Error ellipse: s-maj=118.6km s-min=14.6km az=67.0.
IDC IV 05 12 37 28.3–3.1 5.14N 125.61E 0 3.3,3.3b ¶610652008
IDC Error ellipse: s-maj=308.4km s-min=30.1km az=65.0.
IDC IV 07 11 26 00.4–2.2 5.33N 124.88E 0 3.4,3.4b ¶610652150
IDC Error ellipse: s-maj=216.9km s-min=26.3km az=64.0.

ISC IV 07 20 27 05.0–1.0 6.28N–.07 125.68E–.08 169–8 3.4b 18 0-41
IDC IV 07 20 26 33.6–38 7.11N 123.31E 0 3.7,3.7b **¶616498216**
MAN IV 07 20 27 05.9 6.40N 125.67E 160 4.1b,2.9L
ISC Event type se.
IDC Error ellipse: s-maj=641.3km s-min=195.5km az=156.0.
ISC IV 08 10 16 02.1–.39 5.45N–.03 126.42E–.05 142–3 4.8b 514 1-159
BJI IV 08 10 15 58.9–.00 5.27N 126.36E 139 4.9b,4.9b **¶610523725**
MAN IV 08 10 15 59.2 5.39N 126.52E 141 5.3b,4.5s
NEIC IV 08 10 16 01.6–1.9 5.45N–.05 126.50E–.08 136–4 4.8b,4.5s
DJA IV 08 10 16 01.5–.30 6N–3.0 126E–2.0 133–3 8.7,8.1
IDC IV 08 10 16 02.7–.79 5.47N 126.34E 145–6 4.8,4.3b
ISC Event type se. Moment Tensor Solution. NP1:φs316.88220°,δ59.06290°,λ5.08998°. NP2: φs224.26038°,δ85.63568°,λ148.96298°. Principal axes: T Plg24.6662°,Azm176.0738° ; N Plg58.6880°,Azm37.0528°; P Plg18.0419°,Azm274.6767°
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=7.3km az=74.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=14.6km s-min=7.5km az=75.0.
IDC IV 09 17 01 42.1–1.9 5.56N 123.11E 0 3.8,3.8b ¶610652314
IDC Error ellipse: s-maj=221.1km s-min=24.2km az=63.0.
ISC IV 10 13 50 18.4–.74 5.96N–.05 125.94E–.08 142–7 4.2b 56 1-121
IDC IV 10 13 50 16.6–.99 5.83N 125.75E 139–8 3.8,3.4b **¶610652385**
NEIC IV 10 13 50 17.9–1.2 5.96N–.09 126.1E–.20 120–10 4.5b,3.4b
DJA IV 10 13 50 18.5–.60 6N–4.0 126E–5.0 136–6 4.7b,4.2
MAN IV 10 13 50 19.0 6.00N 125.87E 137 5.0b,3.9L
ISC Event type se.
IDC Error ellipse: s-maj=42.8km s-min=15.3km az=76.0.
NEIC Event type se. Error ellipse: s-maj=35.6km s-min=12.3km az=93.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 10 19 16 26.6–.70 6.29N–.04 125.41E–.06 104–6 4.2b 70 0-98
IDC IV 10 19 16 26.7–.66 6.39N 125.64E 110–5 4.1,3.7b **¶610526194**
DJA IV 10 19 16 26.8–.40 6N–3.0 126E–4.0 91–6 4.9b,4.7
NEIC IV 10 19 16 27.4–1.7 6.29N–.07 125.6E–.10 104–8 4.3b,4.7
MAN IV 10 19 16 29.1 6.65N 125.35E 6 4.9b,3.8L
ISC Event type se.
IDC Error ellipse: s-maj=30.1km s-min=12.3km az=82.0.
NEIC Event type se. Error ellipse: s-maj=17.2km s-min=10.5km az=86.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IV 11 03 19 04.9–1.9 5.56N 126.63E 226–18 3.7,3.1b
MAN IV 11 03 18 39.9 6.27N 127.56E 1 4.9b,3.8L **¶610652424**
IDC Error ellipse: s-maj=76.3km s-min=16.0km az=68.0.
MAN IV 11 08 03 00.5 5.62N 126.72E 187 4.6b,3.5L ¶616498670
MAN IV 11 09 56 55.8 9.73N 125.54E 19 3.6b,2.3L ¶616498672
IDC IV 11 12 27 34.4–2.3 5.28N 126.30E 0 3.3,3.3b ¶610652456
IDC Error ellipse: s-maj=172.2km s-min=29.1km az=65.0.
IDC IV 11 12 56 03.0–3.2 5.51N 126.65E 0 3.4,3.4b ¶610652458
IDC Error ellipse: s-maj=284.3km s-min=28.7km az=66.0.
ISC IV 11 14 52 30.4–.84 5.7N–.10 126.9E–.20 10 4.1b 16 8-81
IDC IV 11 14 52 29.8–2.3 5.90N 127.03E 0 3.9,3.9b **¶610652469**
NEIC IV 11 14 52 30.1–3.0 5.6N–.10 126.9E–.10 10–1 4.6b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IV 11 15 54 34.5–2.3 5.47N 126.38E 0 3.4,3.4b ¶610652478
IDC Error ellipse: s-maj=180.7km s-min=27.5km az=65.0.
ISC IV 11 16 08 07.9–.85 5.7N–.10 127.0E–.30 10 3.9b 13 5-71
IDC IV 11 16 08 07.7–3.2 5.65N 126.78E 0 4.1s,3.3 **¶610652480**
NEIC IV 11 16 08 08.4–.62 5.7N–.10 127.0E–.30 10–1 4.3b,3.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IV 11 16 23 38.1–2.4 5.57N 126.91E 0 3.3,3.3b ¶610652482
IDC Error ellipse: s-maj=182.6km s-min=26.6km az=66.0.
ISC IV 11 17 19 13.6–1.4 5.87N–.09 127.0E–.10 10 3.0b 6 2-56
IDC IV 11 17 19 13.0–2.5 5.60N 126.53E 0 3.1,3.1b **¶610652484**
ISC Event type ke.
IDC Error ellipse: s-maj=206.0km s-min=28.4km az=66.0.
IDC IV 11 19 54 40.1–3.1 8.92N 126.02E 0 3.4,3.4b ¶610652493
IDC Error ellipse: s-maj=285.5km s-min=24.4km az=66.0.
ISC IV 11 21 02 44.9–1.2 7.75N–.03 124.72E–.03 1–10 3.6b 33 1-53
IDC IV 11 21 02 41.8–1.4 8.26N 125.94E 0 3.7,3.7b **¶610652497**
MAN IV 11 21 02 44.8 7.78N 124.64E 1 4.7b,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=33.8km s-min=15.5km az=88.0.
ISC IV 11 21 21 02.0–.37 7.60N–.02 124.79E–.02 17–2 5.5s,5.4b 1247 1-170
BJI IV 11 21 20 57.6–.00 7.39N 125.24E 24 5.9s,5.7 **¶610526844**
MOS IV 11 21 20 58.8–.83 7.69N 124.80E 9 5.6b,5.4s
MAN IV 11 21 20 58.9 7.71N 124.66E 1 6.3b,6.0s
NEIC IV 11 21 21 00.9–1.2 7.68N–.06 124.81E–.06 8–3 5.8,5.8
GCMT IV 11 21 21 00.9–.10 7.74N 124.70E 12 5.8W,5.8
NEIC IV 11 21 21 00.8 7.67N 124.80E 14 5.8W,5.8
NEIC IV 11 21 21 00.5 7.67N 124.79E 5 5.8W,5.8
NEIC IV 11 21 21 00.8 7.77N 124.80E 14 5.8W,5.8
KLM IV 11 21 21 03 7.40N 125.04E 16 5.5b,5.8
IDC IV 11 21 21 03.6–2.0 7.66N 124.83E 29–14 5.4s,4.9
DJA IV 11 21 21 03.7–.50 8N–2.0 125E–2.0 31–4 6.0b,6.0
ISC Event type fe.
MAN Event type fe. INTENSITY VII - WAO LANAO DEL SUR; KALILANGAN BUKIDNON; INTENSITY VI- AMAI MANABILANG LANAO DEL SUR; INTENSITY V- BANISILAN COTABATO; PANGANTUKAN BUKIDNON; INTENSITY IV- CAGAYAN DE ORO CITY; DAVAO CITY; COTABATO CITY; ILIGAN CITY; GINOOG CITY MISAMIS ; ORIENTAL; MATALAM NORTH COTABATO; VALENCIA AND MARAMAG BUKIDNON; INTENSITY III- KABACAN AND ARAKAN NORTH COTABATO; LEBAK SULTAN KUDARAT; PIKIT COTABATO; ; QUEZON AND DON CARLOS BUKIDNON; INTENSITY II- KIDAPAWAN CITY; KORONADAL CITY; TAGUM CITY; ANTIPAS AND CARMEN COTABATO; PRES. ; ROXAS NORTH COTABATO; CAMIGUIN.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.72 $M_{\theta\theta}$4.76 $M_{\phi\phi}$-5.48 $M_{r\theta}$0.97 $M_{\theta\phi}$0.27 $M_{\phi r}$1.37 NP1:φs42.96000°,δ88.75000°,λ161.74000°. NP2:φs133.37000°,δ71.75000° ,λ1.32000°. Principal axes: T 5.0091,Plg14.0000°,Azm357.0000°; N 0.7568,Plg72.0000° ,Azm219.0000°; P -5.7659,Plg12.0000°,Azm90.0000° $M_0$5.43000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s136,c266; s152,c472; Duration: 2s0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.94±.05 $M_{\theta\theta}$7.35±.04; $M_{\phi\phi}$-6.41±.06; $M_{r\theta}$-0.05±.11; $M_{\theta\phi}$0.13±.05; $M_{\phi r}$-0.03±.13; Best double couple: NP1:φs224.00000°,δ90.00000° ,λ180.00000°. NP2:φs314.00000°,δ90.00000°,λ0.00000°. Principal axes: T 7.3510,Plg0.0000°,Azm179.0000°; N -0.9410,Plg90.0000°,Azm44.0000° ; P -6.4110,Plg0.0000°,Azm269.0000° $M_0$6.88100×10^{17}
NEIC Event type se.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 4s4 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.84 $M_{\theta\theta}$7.64 $M_{\phi\phi}$-6.80 $M_{r\theta}$0.70 $M_{\theta\phi}$-0.74 $M_{\phi r}$-0.12 NP1:φs138.01000°,δ87.20000° ,λ3.89000°. NP2:φs47.82000°,δ86.12000°,λ177.19000°. Principal axes: T 7.7351,Plg5.0000° ,Azm3.0000°; N -0.8979,Plg85.0000°,Azm174.0000°; P -6.8372,Plg1.0000°,Azm273.0000° $M_0$7.29000×10^{17}
IDC IV 11 21 34 14.1–2.4 5.15N 126.29E 0 3.3,3.3b ¶610652500
IDC Error ellipse: s-maj=195.3km s-min=28.0km az=65.0.
ISC IV 11 21 37 01.6–.70 7.70N–.03 124.72E–.05 10 3.5b 18 1-53
IDC IV 11 21 37 00.2–1.6 7.43N 124.42E 0 3.6,3.6b **¶610652501**

MAN IV 11 21 37 02.9 7.67N 124.62E 11 4.8b,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=35.6km s-min=15.4km az=16.0.
ISC IV 11 21 51 53.1–1.1 7.59N–.03 124.83E–.03 25–9 4.4b 84 1-97
MAN IV 11 21 51 49.0 7.64N 124.60E 1 4.3b,3.1L **¶610652503**
NEIC IV 11 21 51 52.5–2.0 7.51N–.08 124.85E–.07 10–1 4.6b,3.1L
IDC IV 11 21 51 53.2–2.4 7.61N 124.81E 35–19 4.0,3.8b
DJA IV 11 21 51 55.3–.60 7N–5.0 125E–4.0 44–8 6.7,6.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 11 22 09 05.2–1.2 7.66N–.03 124.71E–.03 3–10 3.6b 33 1-53
IDC IV 11 22 09 05.9–1.2 7.32N 124.52E 0 3.7,3.7b **¶610652504**
MAN IV 11 22 09 05.6 7.70N 124.69E 1 4.3b,3.1L
ISC Event type ke.
IDC Error ellipse: s-maj=28.7km s-min=12.0km az=17.0.
ISC IV 11 22 11 14.9–1.2 7.66N–.03 124.72E–.03 6–8 3.8b 51 1-83
MAN IV 11 22 11 13.6 7.71N 124.70E 1 4.7b,3.6L **¶610652505**
IDC IV 11 22 11 15.2–1.2 7.43N 124.57E 0 3.8,3.8b
NEIC IV 11 22 11 16.0–1.9 7.50N–.03 124.64E–.05 10–1 4.2b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IV 11 23 33 19.0–2.7 5.08N 125.95E 0 3.5,3.5b
¶610652507
IDC Error ellipse: s-maj=233.4km s-min=30.1km az=65.0.
ISC IV 12 00 42 45.6–.94 5.01N–.06 125.8E–.10 100 4.2b 30 2-82
IDC IV 12 00 42 34.9–1.7 5.44N 126.27E 0 3.9,3.9b **¶610652509**
NEIC IV 12 00 42 44.7–1.7 4.96N–.07 125.9E–.10 87–9 4.3b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN IV 12 00 55 22.0 7.66N 124.59E 21 4.0b,2.8L
¶616498715
ISC IV 12 03 20 05.4–1.2 7.61N–.03 124.69E–.03 5–9 3.4b 42 1-53
MAN IV 12 03 20 06.0 7.60N 124.71E 13 4.7b,3.6L **¶610652512**
IDC IV 12 03 20 06.1–1.6 7.11N 124.51E 0 3.4,3.4b
ISC Event type fe.
MAN Event type fe.
IDC Error ellipse: s-maj=31.9km s-min=13.9km az=2.0.
ISC IV 12 03 51 39.3–1.2 7.61N–.03 124.67E–.03 12–9 3.4b 43 1-53
IDC IV 12 03 51 35.9–1.8 8.10N 126.20E 0 3.4,3.4b **¶610652513**
MAN IV 12 03 51 39.8 7.57N 124.66E 18 4.7b,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=36.8km s-min=16.9km az=116.0.
ISC IV 12 05 01 58.6–.55 7.65N–.02 124.73E–.02 19–2 4.7b,3.5s 236 1-144
MAN IV 12 05 01 56.1 7.72N 124.69E 1 5.4b,4.6s **¶610526861**
NEIC IV 12 05 01 58.2–1.4 7.68N–.08 124.93E–.08 16–4 4.7b,4.6s
DJA IV 12 05 02 00.8–1.2 8N–4.0 125E–4.0 26–9 5.4b,4.9
IDC IV 12 05 02 00.2–2.4 7.56N 124.76E 35–19 4.3,4.1b
ISC Event type fe. Moment Tensor Solution. NP1:ϕ_s35.48298°,δ68.74930°,λ-154.36025°. NP2: ϕ_s295.61423°,δ66.21608°,λ-23.33385°. Principal axes: T Plg1.6548°,Azm165.1069° ; N Plg57.1646°,Azm72.5411°; P Plg32.7830°,Azm256.1730°
MAN Event type fe.
NEIC Event type se. Error ellipse: s-maj=16.1km s-min=4.2km az=223.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=32.8km s-min=14.2km az=65.0.
MAN IV 12 07 10 44.7 7.69N 124.61E 1 4.5b,3.4L
¶616498726
MAN Event type fe. INTENSITY II - WAO LANAO DEL SUR; KALILANGAN BUKIDNON.
IDC IV 12 07 51 19.0–1.7 5.33N 126.03E 0 4.1,4.1b
¶610652531
IDC Error ellipse: s-maj=190.2km s-min=18.5km az=65.0.
ISC IV 12 09 50 27.4–1.2 7.72N–.02 124.66E–.03 2–10 3.4b 47 1-56
MAN IV 12 09 50 26.2 7.73N 124.63E 1 4.7b,3.6L **¶610652542**
IDC IV 12 09 50 28.2–1.7 7.35N 124.48E 0 3.4s,3.4
ISC Event type fe.
MAN Event type fe. INTENSITY II - KALILANGAN BUKIDNON.
IDC Error ellipse: s-maj=31.5km s-min=15.1km az=15.0.
ISC IV 12 10 22 16.2–1.2 7.72N–.02 124.57E–.03 5–10 3.5b 44 1-53
IDC IV 12 10 22 14.7–1.6 8.19N 126.30E 0 3.5,3.5b **¶610652546**
MAN IV 12 10 22 17.0 7.74N 124.57E 6 4.8b,3.7L
ISC Event type ke.
IDC Error ellipse: s-maj=33.9km s-min=19.0km az=113.0.
ISC IV 12 11 11 39.2–1.2 7.71N–.02 124.64E–.02 2–9 3.7b,2.9s 54 1-53
MAN IV 12 11 11 38.9 7.74N 124.67E 1 4.9b,3.8L **¶610652548**
IDC IV 12 11 11 39.3–1.1 7.39N 124.42E 0 3.8,3.8b
ISC Event type fe.
MAN Event type fe. INTENSITY III - KALILANGAN BUKIDNON; INTENSITY I - PANGANTUCAN BUKIDNON.
IDC Error ellipse: s-maj=30.2km s-min=12.7km az=21.0.
MAN IV 12 11 33 46.8 7.72N 124.63E 1 4.5b,3.3L
¶616498737
MAN Event type fe.
MAN IV 12 12 16 54.8 7.63N 124.65E 18 4.4b,3.2L
¶616498740
MAN IV 12 12 23 03.8 7.72N 124.54E 1 4.7b,3.5L
¶616498741
ISC IV 12 13 33 20.2–1.1 7.73N–.02 124.75E–.03 9–8 3.5b,3.3s 51 1-66
IDC IV 12 13 33 17.1–1.1 8.21N 126.03E 0 3.6,3.6b **¶610652560**
MAN IV 12 13 33 18.9 7.76N 124.72E 1 5.0b,3.9L
ISC Event type fe.
IDC Error ellipse: s-maj=29.1km s-min=13.2km az=94.0.
MAN Event type fe. INTENSITY II - KALILANGAN BUKIDNON.
MAN IV 12 15 57 31.4 7.68N 124.62E 8 4.5b,3.4L
¶616498747
ISC IV 12 16 29 15.5–.66 7.70N–.02 124.63E–.03 10 3.4s,3.4b 54 1-67
IDC IV 12 16 29 11.8–1.4 8.29N 126.12E 0 3.5,3.5b **¶610652564**
MAN IV 12 16 29 15.2 7.71N 124.65E 6 5.0b,3.9L
ISC Event type fe.
IDC Error ellipse: s-maj=30.9km s-min=15.8km az=93.0.
MAN Event type fe.
MAN IV 12 17 31 18.3 7.63N 124.66E 10 4.3b,3.1L
¶616498754
ISC IV 12 19 02 06.5–.63 5.48N–.03 125.85E–.05 120–6 4.3b 129 1-90
MAN IV 12 19 02 06.0 5.47N 125.86E 108 4.8b,3.7L **¶610527189**
NEIC IV 12 19 02 05.9–2.1 5.63N–.07 126.1E–.10 118–8 4.3b,3.7L
DJA IV 12 19 02 06.3–.30 6N–3.0 126E–3.0 103–4 5.0b,4.5
IDC IV 12 19 02 07.4–.92 5.53N 125.84E 132–8 4.1,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.6km s-min=8.8km az=76.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=30.5km s-min=10.3km az=76.0.
ISC IV 12 20 01 07.0–.39 7.63N–.02 124.76E–.02 18–1 5.3b,5.1s 1128 1-170
MAN IV 12 20 01 04.8 7.66N 124.69E 2 5.8b,5.3s **¶610527185**
MOS IV 12 20 01 05.4–1.0 7.65N 124.86E 25 5.5b,5.0s
NEIC IV 12 20 01 05.6–2.1 7.72N–.06 124.86E–.06 10–1 5.5,5.4b
NEIC IV 12 20 01 05.6 7.72N 124.86E 14 5.5,5.4b
NEIC IV 12 20 01 05.6 7.72N 124.86E 14 5.5,5.4b
GCMT IV 12 20 01 06.6–.10 7.73N–.01 124.75E–.01 12 5.5W,5.4b
IDC IV 12 20 01 08.5–1.6 7.58N 124.82E 34–12 4.9s,4.8
DJA IV 12 20 01 09.1–.50 8N–2.0 125E–2.0 34–4 5.8b,5.6
KLM IV 12 20 01 11 7.60N 124.85E 40 5.5b,5.6
ISC Event type fe. Moment Tensor Solution. NP1:ϕ_s151.89459°,δ68.08639°,λ22.87234°. NP2: ϕ_s52.94756°,δ68.86318°,λ156.41382°. Principal axes: T Plg31.2570°,Azm12.2419° ; N Plg58.7378°,Azm193.3937°; P Plg0.5110°,Azm102.5520°
MAN Event type fe. INTENSITY VI - KALILANGAN BUKIDNON; INTENSITY V - WAO LANAO DEL SUR; VALENCIA CITY; INTENSITY IV - KADINGILAN MARAMAG & PANGANTUCAN BUKIDNON ; INTENSITY III - CAGAYAN DE ORO CITY; QUEZON DON CARLOS KIBAWE MANOLO FORTICH BUKIDNON; INTENSITY II - COTABATO CITY; KIDAPAWAN CITY.
MOS Error ellipse: s-maj=8.0km s-min=4.2km az=116.2.
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=8.1km az=229.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2^{s}1.0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.30 $M_{\theta\theta}$2.40 $M_{\phi\phi}$-2.10 $M_{r\theta}$0.12 $M_{\theta\phi}$-1.17 $M_{\phi r}$-0.53 NP1:ϕ_s328.09000°,δ84.53000° ,λ-12.30000°. NP2:ϕ_s59.28000°,δ77.75000°,λ-174.41000°. Principal axes: T 2.7078,Plg5.0000°,Azm14.0000°; N -0.2099,Plg77.0000°,Azm124.0000° ; P -2.4979,Plg13.0000°,Azm283.0000° $M_0$2.60000$\times10^{17}$
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s117,c182; s148,c270;Duration: 1^{s}4 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.56±.03 $M_{\theta\theta}$2.69±.02; $M_{\phi\phi}$-2.13±.03; $M_{r\theta}$0.03±.07; $M_{\theta\phi}$-0.46±.03; $M_{\phi r}$0.54±.09; Best double couple: NP1:ϕ_s139.00000°,δ78.00000°,λ-12.00000°. NP2:ϕ_s232.00000°,δ78.00000°,λ-168.00000°. Principal axes: T 2.7330,Plg0.0000° ,Azm185.0000°; N -0.3960,Plg73.0000°,Azm276.0000°; P -2.3340,Plg17.0000° ,Azm95.0000° $M_0$2.53300$\times10^{17}$
IDC Error ellipse: s-maj=16.0km s-min=9.9km az=73.0.
MAN IV 12 20 40 48.8 7.61N 124.70E 13 4.6b,3.4L
¶616498765
ISC IV 12 20 46 12.8–1.1 7.58N–.03 124.77E–.03 14–9 3.2b 37 1-53
IDC IV 12 20 46 12.7–1.7 7.22N 124.42E 0 3.2,3.2b **¶610652580**
MAN IV 12 20 46 14.2 7.58N 124.77E 17 4.2b,3.0L
ISC Event type ke.
IDC Error ellipse: s-maj=34.4km s-min=16.1km az=7.0.
ISC IV 12 20 47 56.0–1.3 7.59N–.03 124.76E–.03 10–10 3.4b 37 1-53
IDC IV 12 20 47 55.7–1.6 7.31N 124.49E 0 3.5,3.5b **¶610652581**
MAN IV 12 20 47 56.1 7.69N 124.77E 9 4.7b,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=34.9km s-min=14.8km az=13.0.
ISC IV 12 23 58 44.5–.69 7.76N–.09 126.8E–.10 100 4.1b 35 1-96
NEIC IV 12 23 58 41.9–1.4 7.8N–.10 126.8E–.10 70–8 4.3b **¶610652591**
IDC IV 12 23 58 44.6–4.9 8.15N 126.94E 82–47 3.8,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.9km s-min=13.6km az=145.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=47.2km s-min=24.4km az=58.0.
MAN IV 13 01 29 56.5 8.53N 124.70E 96 3.9b,2.7L
¶616498782
MAN IV 13 04 37 18.2 7.72N 124.64E 1 4.7b,3.6L
¶616498790
MAN Event type fe.
MAN IV 13 05 34 10.7 7.68N 124.74E 7 4.8b,3.7L
¶616498791
MAN Event type fe. INTENSITY III - KALILANGAN BUKIDNON; INTENSITY I- PANGANTUCAN BUKIDNON.
MAN IV 13 19 58 49.8 7.72N 124.71E 1 3.9b,2.7L
¶616498824
MAN IV 14 05 16 38.2 7.70N 124.75E 1 3.9b,2.6L
¶616498851
IDC IV 14 08 40 31.8–4.0 6.03N 122.04E 637–59 4.1,3.0b
¶610652698
IDC Error ellipse: s-maj=194.0km s-min=14.3km az=62.0.
MAN IV 14 10 30 12.5 7.83N 124.68E 10 4.2b,3.0L
¶616498866
ISC IV 14 11 20 05.7–.72 7.62N–.02 124.73E–.03 25–5 4.5b,3.7s 200 1-144
IDC IV 14 11 20 00.4–.72 7.61N 124.51E 0 4.0b,3.9 **¶610528153**
DJA IV 14 11 20 00.4–2.5 8N–21 125E–5.0 10 4.8b,4.8
MAN IV 14 11 20 02.3 7.70N 124.70E 1 5.4b,4.7s
NEIC IV 14 11 20 03.6–1.6 7.56N–.08 124.69E–.06 10–1 4.6b,4.7s
ISC Event type fe.
MAN Event type fe. INTENSITY V - WAO LANAO DEL SUR; INTENSITY IV- KALILANGAN BUKIDNON; INTENSITY III - PANGANTUCAN BUKIDNON; INTENSITY II - VALENCIA CITY; KADINGILAN MARAMAG QUEZON KIBAWE AND DON CARLOS BUKIDNON; ; CAGAYAN DE ORO CITY.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 14 12 12 10.1–1.1 5.26N–.07 126.84E–.08 10 3.5b 22 1-40
MAN IV 14 12 12 10.4 5.45N 126.99E 1 4.6b,3.5L **¶616498873**
IDC IV 14 12 12 14.3–1.9 7.22N 125.54E 248–15 3.5,2.9b
ISC Event type ke.
IDC Error ellipse: s-maj=167.9km s-min=29.6km az=62.0.
MAN IV 14 12 19 16.0 7.71N 124.60E 3 4.4b,3.2L
¶616498874
MAN Event type fe. INTENSITY II - WAO LANAO DEL SUR.
ISC IV 14 14 02 52.7–.00 7.66N–.02 124.70E–.02 14–6 4.4b,3.3s 138 1-144
MAN IV 14 14 02 51.1 7.69N 124.72E 3 5.5b,4.7s **¶610528147**
DJA IV 14 14 02 51.5–.90 8N–8.0 125E–5.0 68–14 5.1,5.0b
NEIC IV 14 14 02 52.6–1.5 7.64N–.10 124.81E–.08 10–1 4.6b,5.0b
IDC IV 14 14 02 57.6–1.6 7.52N 124.76E 59–15 4.2,3.9b
ISC Event type fe.
MAN Event type fe. INTENSITY V- KALILANGAN BUKIDNON; INTENSITY III - WAO LANAO DEL SUR; PANGANTUCAN BUKIDNON; INTENSITY II - MARAMAG QUEZON AND VALENCIA CITY BUKIDNON; CAGAYAN DE ORO CITY.
NEIC Event type se. Error ellipse: s-maj=17.4km s-min=11.0km az=27.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=26.0km s-min=12.0km az=71.0.
MAN IV 14 15 49 32.2 7.80N 124.57E 1 4.8b,3.8L
¶616498891
IDC IV 14 18 02 42.8–2.2 6.15N 125.22E 0 3.2,3.2b
¶610652745
IDC Error ellipse: s-maj=120.9km s-min=23.8km az=59.0.
MAN IV 15 04 59 12.6 7.60N 124.66E 20 4.2b,3.0L
¶616498935
ISC IV 15 07 21 42.6–1.2 9.08N–.03 126.47E–.04 32–8 4.6b,3.4s 308 1-145
IDC IV 15 07 21 41.7–7.3 9.04N 126.27E 33–56 4.3,4.1b **¶610528305**
MAN IV 15 07 21 43.5 9.12N 126.42E 21 5.0b,3.9L
NEIC IV 15 07 21 47.6–1.6 9.07N–.08 126.3E–.10 77–8 4.6b,3.9L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN IV 15 15 57 37.2 8.05N 123.47E 47 3.7b,2.5L
¶616498962
ISC IV 15 20 37 06.1–1.1 7.66N–.02 124.66E–.02 7–7 4.3b 128 1-144
IDC IV 15 20 37 03.9–.68 7.60N 124.47E 0 3.8,3.8b **¶610528528**
MAN IV 15 20 37 04.9 7.71N 124.67E 1 5.3b,4.4s
NEIC IV 15 20 37 08.0–1.5 7.60N–.08 124.80E–.06 10–1 4.4b,4.4s
DJA IV 15 20 37 10.9–.80 7N–7.0 125E–4.0 10 4.9b,4.5
ISC Event type fe.
MAN Event type fe. INTENSITY IV - WAO LANAO DELO SUR; INTENSITY III - KALILANGAN BUKIDNON; INTENSITY I - PANGANTUCAN BUKIDNON.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 15 20 40 58.4–.45 7.68N–.02 124.71E–.02 26–3 4.9b,4.5s 703 1-179
BJI IV 15 20 40 53.9–.00 7.66N 124.84E 9 4.9b,4.8s **¶610528532**
MOS IV 15 20 40 54.4–.95 7.70N 124.75E 15 5.1b,4.5s
IDC IV 15 20 40 54.2–.47 7.61N 124.59E 0 4.4,4.4b
MAN IV 15 20 40 55.5 7.75N 124.68E 1 5.8b,5.3s
NEIC IV 15 20 40 56.4–1.1 7.74N–.06 124.80E–.06 10–1 5.0b,5.3s
GCMT IV 15 20 40 57.4–.10 7.76N–.01 124.69E–.01 17–0 5.2W,5.3s
DJA IV 15 20 41 03.6–.50 7N–3.0 125E–3.0 40–5 5.5,5.5b
ISC Event type fe.

MAN Event type fe. INTENSITY V - WAO LANAO DEL SUR; INTENSITY IV - KALILANGAN BUKIDNON; INTENSITY III - COTABATO CITY LEBAK SULTAN KUDARAT; INTENSITY II- CAGAYAN DE ORO CITY; PANGANTUCAN MARAMAG VALENCIA CITY AND QUEZON BUKIDNON.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s82,c107; s131,c230;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.23±.02 $M_{\theta\theta}$0.81±.01; $M_{\phi\phi}$-0.57±.01; $M_{r\theta}$-0.02±.03; $M_{\theta\phi}$-0.03±.01; $M_{\phi r}$0.21±.04; Best double couple: NP1:ϕ_s133.00000°,δ74.00000°,λ-19.00000°. NP2:ϕ_s229.00000°,δ72.00000°,λ-163.00000°. Principal axes: T 0.8090,Plg1.0000° ,Azm182.0000°; N -0.1350,Plg65.0000°,Azm274.0000°; P -0.6750,Plg25.0000° ,Azm91.0000° $M_0$0.74200×10^{17}
ISC IV 15 20 48 15.5–.71 7.64N–.02 124.60E–.03 10 3.3b 45 1-53
IDC IV 15 20 48 15.4–2.4 7.83N 125.88E 0 3.4,3.4b ¶610652821
MAN IV 15 20 48 15.9 7.69N 124.66E 1 4.8b,3.7L
ISC Event type fe.
IDC Error ellipse: s-maj=113.8km s-min=25.4km az=58.0.
MAN Event type fe. INTENSITY II - WAO LANAO DEL SUR.
MAN IV 15 21 38 17.1 7.74N 124.65E 1 3.7b,2.5L
¶616498977
MAN IV 15 22 39 14.5 7.64N 124.65E 5 4.1b,2.9L
¶616498980
MAN Event type fe. INTENSITY II - WAO LANAO DEL SUR.
MAN IV 16 06 19 46.1 7.66N 124.73E 2 4.1b,2.9L
¶616498999
MAN Event type fe. INTENSITY II - WAO LANAO DEL SUR.
MAN IV 16 12 40 43.4 7.89N 124.84E 20 3.8b,2.6L
¶616499019
MAN IV 16 14 24 27.2 7.66N 124.55E 24 4.4b,3.2L
¶616499028
MAN Event type fe. INTENSITY II - KALILANGAN BUKIDNON.
MAN IV 16 14 57 53.3 7.64N 124.70E 1 3.7b,2.4L
¶616499033
MAN IV 16 16 32 39.9 8.48N 122.62E 16 4.4b,3.2L
¶616499047
MAN IV 16 16 46 57.9 7.66N 124.70E 7 4.3b,3.1L
¶616499050
MAN Event type fe. INTENSITY I - KALILANGAN BUKIDNON.
MAN IV 16 21 29 26.5 7.69N 124.76E 1 4.3b,3.2L
¶616499076
MAN IV 17 01 28 14.0 7.77N 124.60E 1 4.6b,3.5L
¶616499087
MAN Event type fe. INTENSITY II - KALILANGAN BUKIDNON.
MAN IV 17 02 04 49.2 7.67N 124.66E 12 4.6b,3.5L
¶616499090
MAN Event type fe.
ISC IV 17 13 55 18.8–.68 9.13N–.03 126.77E–.04 32–4 4.5b,3.7s 146 1-145
IDC IV 17 13 55 13.6–.61 8.96N 126.50E 0 4.1,4.1b ¶610529492
MAN IV 17 13 55 19.4 9.15N 126.72E 22 4.6b,3.5L
NEIC IV 17 13 55 20.7–.81 9.10N–.07 126.5E–.10 42–7 4.6b,3.5L
DJA IV 17 13 55 24.8–1.3 10N–8.0 126E–8.0 60–12 5.4b,4.8
ISC Event type fe.
MAN Event type fe. INTENSITY II - CAGWAIT SURIGAO DEL SUR.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN IV 17 14 07 58.5 7.70N 124.65E 1 4.7b,3.6L
¶616499105
MAN Event type fe. INTENSITY II - WAO LANAO DEL SUR.
ISC IV 17 15 20 05.7–2.4 9.05N–.05 126.91E–.09 13–14 3.2b 25 1-53
IDC IV 17 15 20 04.4–4.2 8.90N 126.32E 0 3.3,3.3b ¶610652931
MAN IV 17 15 20 07.9 9.04N 126.82E 19 4.6b,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=354.7km s-min=27.9km az=66.0.
ISC IV 17 20 31 46.6–1.6 9.07N–.03 126.83E–.06 26–11 3.6b,3.1s 61 1-95
MAN IV 17 20 31 46.4 9.00N 126.83E 18 5.0b,4.0s ¶610652947
IDC IV 17 20 31 57.1–2.5 8.85N 126.45E 131–24 3.7,3.4b
ISC Event type ke.
IDC Error ellipse: s-maj=36.6km s-min=14.8km az=64.0.
ISC IV 18 19 08 20.4–.92 8.89N–.03 126.36E–.05 57–8 4.2b 59 1-145
MAN IV 18 19 08 21.3 8.91N 126.25E 43 4.6b,3.5L ¶610653005
NEIC IV 18 19 08 26.2–1.4 8.9N–.10 126.5E–.20 112–11 4.4b,3.5L
IDC IV 18 19 08 26.4–17 8.95N 126.50E 118–140 3.8L,3.6
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=31.4km s-min=18.4km az=84.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=331.2km s-min=21.2km az=64.0.
MAN IV 18 19 36 44.2 6.88N 123.78E 1 3.5b,2.1L
¶616499169
ISC IV 19 04 26 07.5–.81 9.32N–.03 125.51E–.04 51–7 4.6b,4.1s 221 1-146
DJA IV 19 04 26 01.1–.60 10N–5.0 126E–6.0 10 5.6b,5.1 ¶610532786
MAN IV 19 04 26 02.1 9.40N 125.54E 9 5.3b,4.4s
IDC IV 19 04 26 02.1–.56 9.58N 125.48E 0 4.3,4.3b
BJI IV 19 04 26 09.2–.00 9.27N 125.60E 80 4.8b,4.6b
NEIC IV 19 04 26 13.2–1.6 9.36N–.08 125.5E–.10 98–7 4.6b,4.6b
ISC Event type fe.
MAN Event type fe. INTENSITY III - JABONGA AND KITCHARAO AGUSAN DEL NORTE; ; SAN FRANCISCO SURIGAO DEL NORTE;; INTENSITY II - CABADBARAN CITY REMEDIOS T. ROMUALDEZ AND TUBAY AGUSAN DEL NORTE; SURIGAO ; CITY.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 19 12 06 38.0–1.7 6.5N–.70 124E–1.0 550 3.4b 10 28-70
IDC IV 19 12 06 36.2–3.2 6.71N 124.34E 532–31 3.8,2.8b ¶610653046
ISC Event type ke.
IDC Error ellipse: s-maj=203.8km s-min=12.7km az=64.0.
MAN IV 19 14 31 28.3 7.63N 124.75E 6 4.3b,3.1L
¶616499225
MAN IV 20 18 16 03.8 7.69N 124.73E 15 4.6b,3.5L
¶616499262
MAN Event type fe. INTENSITY I - KALILANGAN. BUKIDNON.
MAN IV 20 20 42 51.9 8.17N 124.14E 31 4.3b,3.1L
¶616499265
MAN IV 21 08 23 41.5 9.54N 125.58E 29 3.7b,2.5L
¶616499277
ISC IV 23 00 13 10.4–1.5 5.67N–.10 126.5E–.10 84–16 3.1b 15 1-56
MAN IV 23 00 13 07.6 5.73N 126.67E 93 4.1b,2.9L ¶610649780
IDC IV 23 00 13 08.4–6.4 6.05N 127.15E 74–56 3.5,3.2b
ISC Event type ke.
IDC Error ellipse: s-maj=109.9km s-min=22.6km az=60.0.
ISC IV 23 01 19 45.8–.24 9.20N–.02 126.35E–.03 55–1 5.2b,4.5s 1172 1-177
DJA IV 23 01 19 41.7–.50 10N–3.0 127E–3.0 23–3 6.1,5.7b ¶610547528
MAN IV 23 01 19 44.7 9.18N 126.39E 21 5.8b,5.2s
MOS IV 23 01 19 45.0–.93 9.26N 126.19E 60 5.5b,4.7s
BJI IV 23 01 19 45.0–.00 9.09N 126.33E 75 5.0b,4.9b
GCMT IV 23 01 19 46.8–.10 9.17N–.01 126.58E–.01 44–0 5.4W,4.9b
NEIC IV 23 01 19 46.8–2.2 9.27N–.06 126.29E–.08 53–4 5.3b,4.9b
IDC IV 23 01 19 47.1–1.2 9.20N 126.23E 68–10 5.1,4.8b
KLM IV 23 01 19 47 9.22N 126.63E 59 5.3b,4.8b
ISC Event type fe. Moment Tensor Solution. NP1:ϕ_s198.86841°,δ26.43988°,λ79.98678°. NP2: ϕ_s30.02349°,δ63.99331°,λ94.94170°. Principal axes: T Plg70.5951°,Azm310.5876° ; N Plg4.4403°,Azm207.8523°; P Plg18.8502°,Azm116.3332°
MAN Event type fe. INTENSITY IV - TANDAG SAN MIGUEL BAYABAS AND CAGWAIT SURIGAO DEL SUR;; TALACOGON AGUSAN DEL SUR; INTENSITY III - SURIGAO CITY SOCORRO GENERAL LUNA PILAR MAINIT DEL CARMEN AND BURGOS SURIGAO DEL ; NORTE; CABADBARAN CITY REMEDIOS T. ROMUALDEZ MAGALLANES TUBAY SANTIAGO JABONGA AND ; KITCHARAO AGUSAN DEL NORTE; INTENSITY II - BUTUAN CITY; HINATUAN SURIGAO DEL SUR; SISON MALIMONO AND SAN FRANCISCO SURIGAO DEL ; NORTE; BISLIG CITY; LORETO DINAGAT ISLAND.
MOS Error ellipse: s-maj=7.8km s-min=3.8km az=117.6.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s132,c209; s127,c222;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}1.14±.02 $M_{\theta\theta}$0.27±.02; $M_{\phi\phi}$-1.41±.02; $M_{r\theta}$0.35±.02; $M_{\theta\phi}$-0.04±.01; $M_{\phi r}$0.36±.03; Best double couple: NP1:ϕ_s18.00000°,δ56.00000°,λ112.00000°. NP2:ϕ_s163.00000°,δ40.00000°,λ62.00000°. Principal axes: T 1.3030,Plg70.0000° ,Azm339.0000°; N 0.1610,Plg18.0000°,Azm186.0000°; P -1.4650,Plg8.0000°,Azm93.0000° $M_0$1.38400×10^{17}
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=8.3km az=78.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=12.4km s-min=7.6km az=77.0.
ISC IV 23 01 37 18.6–1.1 9.17N–.04 126.50E–.07 52–10 3.9b 37 1-121
IDC IV 23 01 37 11.7–1.0 9.16N 126.10E 0 3.8,3.8b ¶610649785
MAN IV 23 01 37 19.3 9.17N 126.39E 28 4.6b,3.4L
ISC Event type fe.
IDC Error ellipse: s-maj=74.0km s-min=21.3km az=72.0.
MAN Event type fe.
MAN IV 23 02 05 54.8 9.20N 126.37E 22 3.9b,2.6L
¶616499331
MAN IV 23 14 10 11.5 9.20N 126.42E 31 4.5b,3.4L
¶616499335
MAN IV 24 07 51 13.9 6.27N 126.05E 70 3.6b,2.3L
¶616499357
ISC IV 24 16 34 56.6–1.5 6.15N–.04 123.57E–.04 13–10 3.9b,2.7s 52 1-87
IDC IV 24 16 34 54.5–.89 6.02N 123.43E 0 4.5L,3.7 ¶610649906
NEIC IV 24 16 34 58.9–1.3 5.89N–.09 123.72E–.09 10–2 4.2b,3.7
MAN IV 24 16 34 59.1 6.23N 123.65E 19 4.8b,3.7L
ISC Event type se.
IDC Error ellipse: s-maj=39.0km s-min=17.8km az=66.0.
NEIC Event type se. Error ellipse: s-maj=20.8km s-min=6.9km az=316.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN IV 24 18 39 25.5 7.62N 124.94E 33 3.5b,2.1L
¶616499742
MAN IV 24 23 15 00.9 5.37N 125.48E 218 3.7b,2.5L
¶616499753
ISC IV 26 13 48 47.3–1.1 5.9N–.10 123.3E–.40 10 3.8b 6 3-88
IDC IV 26 13 48 45.1–2.2 6.27N 123.99E 0 3.8,3.8b ¶610650062
ISC Event type ke.
IDC Error ellipse: s-maj=320.2km s-min=21.9km az=64.0.
MAN IV 27 07 59 44.6 7.71N 124.71E 5 4.5b,3.3L
¶616499803
MAN IV 27 17 13 52.2 9.91N 124.13E 18 3.7b,2.4L
¶616499815
ISC IV 28 03 38 18.2–1.9 8.23N–.04 126.86E–.08 14–11 4.0b 22 0-88
IDC IV 28 03 38 15.4–1.8 8.45N 127.42E 0 3.8,3.8b ¶610650186
MAN IV 28 03 38 18.9 8.03N 127.01E 18 4.4b,3.3L
ISC Event type ke.
IDC Error ellipse: s-maj=175.0km s-min=22.8km az=69.0.
ISC IV 28 20 23 19.9–.24 5.51N–.02 125.05E–.02 55–1 6.9s,6.5b 3136 1-179
MOS IV 28 20 23 16.5–1.0 5.55N 124.97E 42 6.8s,6.7b ¶611833669
NEIC IV 28 20 23 17.3–2.0 5.50N–.06 125.07E–.06 26–1 6.9,6.9
MAN IV 28 20 23 17.3 5.40N 125.06E 16 7.2s,7.0b
NEIC IV 28 20 23 17.9 5.52N 125.06E 36 7.2s,7.0b
DJA IV 28 20 23 17.8–.40 5N–4.0 125E–3.0 10 7.2b,7.1
NEIC IV 28 20 23 17.8 5.51N 125.06E 26 7.2b,7.1
NEIC IV 28 20 23 17.9 5.52N 125.06E 36 7.2b,7.1
BJI IV 28 20 23 18.7–.00 5.51N 124.92E 50 7.0s,6.9
NEIC IV 28 20 23 19.8 5.48N 125.08E 42 7.0s,6.9
IDC IV 28 20 23 19.6–1.2 5.63N 124.99E 50–10 6.7s,6.1
KLM IV 28 20 23 22 5.84N 125.00E 56 6.5b,6.1
GCMT IV 28 20 23 23.3–.00 5.49N 124.89E 31–0 6.8W,6.1
NEIC IV 28 20 23 33.1 5.34N 124.83E 32 6.8W,6.1
ISC Event type fe. Moment Tensor Solution. NP1:ϕ_s340.01993°,δ47.15843°,λ94.40371°. NP2: ϕ_s153.55838°,δ43.02366°,λ85.26682°. Principal axes: T Plg86.1642°,Azm304.2727° ; N Plg3.2275°,Azm157.0224°; P Plg2.0707°,Azm66.9055°
MOS Error ellipse: s-maj=6.4km s-min=3.6km az=113.4.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=9.6km az=175.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{19}Nm; M_{rr}1.20 $M_{\theta\theta}$-0.10 $M_{\phi\phi}$-1.11 $M_{r\theta}$-0.13 $M_{\theta\phi}$0.68 $M_{\phi r}$0.15 NP1:ϕ_s156.33000°,δ40.91000°,λ94.62000°. NP2:ϕ_s330.22000°,δ49.25000° ,λ86.00000°. Principal axes: T 1.2216,Plg85.0000°,Azm207.0000°; N 0.2452,Plg3.0000° ,Azm333.0000°; P -1.4668,Plg4.0000°,Azm63.0000° $M_0$1.36000×10^{19}
MAN Event type fe.
NEIC Event type se. Moment Tensor Solution.Duration: 13s4 Moment tensor: Scale 10^{19}Nm; M_{rr}2.40 $M_{\theta\theta}$-0.69 $M_{\phi\phi}$-1.71 $M_{r\theta}$-0.39 $M_{\theta\phi}$1.38 $M_{\phi r}$-0.12 NP1:ϕ_s315.24000°,δ47.23000° ,λ76.27000°. NP2:ϕ_s155.03000°,δ44.51000°,λ104.39000°. Principal axes: T 2.4686,Plg80.0000°,Azm153.0000°; N 0.2053,Plg10.0000°,Azm325.0000° ; P -2.6739,Plg1.0000°,Azm55.0000° $M_0$2.57000×10^{19}
NEIC Event type se.
NEIC Event type se.
NEIC Event type se.
IDC Error ellipse: s-maj=10.3km s-min=7.9km az=59.0.
GCMT nsta1 refers to body waves, cutoff=50s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s179,c482; s174,c834; Duration: 6s5 Moment tensor: Scale 10^{19}Nm; M_{rr}2.25±.01 $M_{\theta\theta}$-0.77±.01; $M_{\phi\phi}$-1.49±.01; $M_{r\theta}$-0.23±.01; $M_{\theta\phi}$1.30±.01; $M_{\phi r}$-0.39±.01; Best double couple: NP1:ϕ_s154.00000°,δ48.00000° ,λ105.00000°. NP2:ϕ_s312.00000°,δ44.00000°,λ74.00000°. Principal axes: T 2.3380,Plg79.0000°,Azm133.0000°; N 0.1390,Plg11.0000°,Azm323.0000° ; P -2.4840,Plg2.0000°,Azm233.0000° $M_0$2.41100×10^{19}
NEIC Event type se. Moment Tensor Solution.Duration: 15s4 Moment tensor: Scale 10^{19}Nm; M_{rr}2.46 $M_{\theta\theta}$-0.87 $M_{\phi\phi}$-1.59 $M_{r\theta}$0.32 $M_{\theta\phi}$1.33 $M_{\phi r}$-0.82 NP1:ϕ_s148.05000°,δ54.47000° ,λ96.52000°. NP2:ϕ_s316.92000°,δ36.04000°,λ80.96000°. Principal axes: T 2.6211,Plg79.0000°,Azm84.0000°; N 0.1300,Plg5.0000°,Azm324.0000° ; P -2.7511,Plg9.0000°,Azm233.0000° $M_0$2.69000×10^{19}
ISC IV 28 20 44 06.5–.95 5.43N–.06 124.99E–.08 35 3.5b 18 1-55
DJA IV 28 20 43 57.1–1.5 5N–9.0 124E–8.0 177–31 5.0,4.8 ¶610650252
IDC IV 28 20 44 00.8–1.2 5.43N 124.77E 0 3.6,3.6b
MAN IV 28 20 44 10.5 5.91N 125.10E 2 4.8b,3.7L
ISC Event type ke.
IDC Error ellipse: s-maj=30.3km s-min=13.3km az=99.0.
ISC IV 28 20 48 29.8–1.3 5.43N–.04 125.02E–.08 35 14 1-7
DJA IV 28 20 48 28.1–.40 5N–3.0 125E–5.0 10 5.0,4.8 ¶615346272
MAN IV 28 20 48 30.6 5.58N 125.06E 25 4.5b,3.3L
ISC Event type ke.
ISC IV 28 20 54 03.7–.66 5.45N–.04 124.88E–.07 35 4.2b 39 1-85
IDC IV 28 20 53 58.5–.92 5.39N 124.80E 0 4.0,4.0b ¶610650254
NEIC IV 28 20 54 01.9–2.7 5.24N–.03 124.86E–.09 10–1 4.4b,4.0b
DJA IV 28 20 54 04.6–2.0 5N–3.0 125E–7.0 21–18 4.9,4.8
MAN IV 28 20 54 05.1 5.67N 124.95E 20 5.0b,4.0L
ISC Event type se.
IDC Error ellipse: s-maj=28.3km s-min=12.3km az=98.0.
NEIC Event type se. Error ellipse: s-maj=15.1km s-min=5.4km az=270.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 28 21 16 00.7–1.9 5.27N–.03 124.89E–.06 16–12 3.5b 28 1-55
IDC IV 28 21 15 57.9–1.1 5.27N 124.72E 0 3.7,3.7b ¶610650257
DJA IV 28 21 16 02.5–.50 5N–4.0 125E–4.0 10 4.4,4.4b
MAN IV 28 21 16 03.6 5.36N 124.73E 35 5.1b,4.1s
ISC Event type ke.
IDC Error ellipse: s-maj=31.2km s-min=13.1km az=96.0.
MAN IV 28 21 34 23.1 5.65N 124.98E 25 4.3b,3.1L
¶616499856
ISC IV 28 22 39 17.7–2.1 5.37N–.08 124.95E–.08 23–16 3.4b 13 1-40
IDC IV 28 22 39 20.4–31 5.09N 126.29E 0 3.7,3.7b ¶610650262
MAN IV 28 22 39 22.6 5.78N 125.05E 4 4.5b,3.4L
ISC Event type ke.
IDC Error ellipse: s-maj=521.4km s-min=239.1km az=155.0.
MAN IV 29 01 08 39.8 5.77N 125.09E 17 3.8b,2.5L
¶616499872

ISC IV 29 02 36 35.9–2.0 5.43N–.08 124.98E–.07 27–14 3.7b 21 1-59
IDC IV 29 02 36 30.2–2.0 5.94N 125.90E 0 3.7,3.7b ¶610650276
MAN IV 29 02 36 36.2 5.36N 125.01E 34 4.5b,3.4L
ISC Event type ke.
IDC Error ellipse: s-maj=219.9km s-min=20.5km az=65.0.
ISC IV 29 02 59 20.8–1.0 5.24N–.05 124.94E–.07 10 3.5b 20 1-85
IDC IV 29 02 59 22.1–1.2 5.51N 126.71E 0 3.5s,3.5 ¶610650279
MAN IV 29 02 59 27.1 5.58N 125.06E 13 4.5b,3.3L
ISC Event type ke.
IDC Error ellipse: s-maj=64.1km s-min=19.5km az=67.0.
ISC IV 29 05 55 25.8–1.1 5.42N–.03 124.95E–.06 32–9 3.6b 28 1-90
DJA IV 29 05 55 21.9–.60 5N–4.0 126E–7.0 175–6 5.3b,4.7 ¶610650284
MAN IV 29 05 55 29.0 5.57N 124.99E 38 4.8b,3.7L
IDC IV 29 05 55 32.6–3.7 5.64N 125.37E 99–40 3.8,3.4b
ISC Event type fe.
MAN Event type fe. INTENSITY II - GENERAL SANTOS CITY.
IDC Error ellipse: s-maj=109.6km s-min=17.8km az=71.0.
ISC IV 29 13 16 25.9–1.3 9.17N–.03 126.32E–.05 32–9 4.1b 62 1-145
MAN IV 29 13 16 27.6 9.19N 126.35E 23 4.8b,3.7L ¶610650313
IDC IV 29 13 16 30.3–1.9 9.11N 125.98E 78–19 4.0,3.7b
NEIC IV 29 13 16 30.1–1.9 9.25N–.05 126.4E–.20 70–11 4.4b,3.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN IV 29 15 10 34.4 6.08N 125.12E 8 3.8b,2.5L ¶616499908
MAN IV 29 15 18 05.1 6.14N 125.10E 6 4.0b,2.8L ¶616499909
ISC IV 29 17 47 39.7–.91 5.38N–.04 124.96E–.05 51–9 4.3b 82 1-90
MAN IV 29 17 47 41.7 5.69N 125.04E 22 4.6b,3.4L ¶610650340
NEIC IV 29 17 47 41.2–1.1 5.38N–.05 124.98E–.08 61–9 4.3b,3.4L
IDC IV 29 17 47 42.0–2.5 5.48N 124.94E 72–22 4.0,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=7.4km az=102.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=35.0km s-min=12.2km az=78.0.
MAN IV 29 19 17 19.1 6.17N 125.17E 1 3.9b,2.7L ¶616499920
ISC IV 29 19 42 06.4–.75 5.41N–.02 125.02E–.04 29–5 4.6b,3.3s 306 1-142
BJI IV 29 19 42 02.0–.00 5.60N 125.30E 5 4.9b,4.5b ¶610589446
NEIC IV 29 19 42 04.4–2.8 5.32N–.05 124.98E–.07 10–1 4.7b,4.5b
DJA IV 29 19 42 08.5–1.6 5N–3.0 125E–3.0 15–12 5.1b,4.7b
MAN IV 29 19 42 10.4 5.63N 125.11E 22 4.5b,3.3L
IDC IV 29 19 42 11.2–1.4 5.47N 124.96E 83–12 4.2,3.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.3km s-min=8.3km az=101.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=17.4km s-min=9.0km az=82.0.
MAN IV 29 22 43 40.4 5.69N 125.38E 3 3.8b,2.6L ¶616499929
ISC IV 30 06 29 30.5–2.4 9.35N–.08 126.6E–.10 44–23 3.4b 21 1-85
IDC IV 30 06 29 25.0–1.8 9.13N 125.84E 0 3.5,3.5b ¶610650387
MAN IV 30 06 29 31.6 9.29N 126.44E 19 4.4b,3.2L
ISC Event type ke.
IDC Error ellipse: s-maj=192.1km s-min=30.1km az=68.0.
MAN IV 30 07 13 36.1 6.13N 125.11E 10 3.6b,2.3L ¶616499943
MAN IV 30 14 45 12.1 7.55N 124.51E 70 3.8b,2.5L ¶616499964
MAN IV 30 17 50 35.8 9.66N 126.17E 15 4.3b,3.2L ¶616499970
MAN IV 30 17 52 41.5 6.21N 125.03E 5 3.8b,2.6L ¶616499971
ISC IV 30 19 01 45.8–.88 5.25N–.06 124.88E–.07 10 3.4b 19 1-55
IDC IV 30 19 01 43.5–1.2 5.10N 124.68E 0 3.7L,3.6 ¶610650441
MAN IV 30 19 01 48.6 5.36N 124.95E 8 4.7b,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=37.0km s-min=15.0km az=81.0.
MAN IV 30 19 46 13.9 5.66N 125.08E 28 4.0b,2.8L ¶616499974
ISC IV 30 20 58 14.8–.89 6.1N–.10 124.1E–.20 550 3.5b 9 4-58
IDC IV 30 20 58 16.5–2.6 5.96N 124.03E 574–41 3.9,2.8b ¶610650450
ISC Event type ke.
IDC Error ellipse: s-maj=45.9km s-min=14.8km az=57.0.
ISC V 01 04 40 20.7–1.3 5.42N–.07 124.94E–.07 44–13 4.3b 49 1-121
NEIC V 01 04 40 22.6–2.0 5.39N–.06 125.0E–.20 57–9 4.3b ¶610689280
MAN V 01 04 40 22.0 5.71N 125.05E 22 4.4b,3.2L
IDC V 01 04 40 25.0–2.6 5.54N 125.03E 84–22 4.0,3.8s
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=26.0km s-min=4.1km az=109.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=42.9km s-min=15.1km az=80.0.
MAN V 01 16 37 07.5 7.73N 124.56E 14 4.6b,3.4L ¶616504311
ISC V 01 17 21 33.8–1.1 5.37N–.07 124.99E–.06 10 3.3b 17 1-55
MAN V 01 17 21 31.7 5.19N 125.05E 1 5.1b,4.2s ¶610689329
IDC V 01 17 21 33.1–1.3 5.20N 125.32E 0 3.4,3.4b
ISC Event type ke.
IDC Error ellipse: s-maj=57.4km s-min=13.2km az=91.0.
MAN V 01 20 36 54.5 5.94N 126.42E 107 4.7b,3.6L ¶616504317
ISC V 01 23 07 37.6–1.4 5.47N–.04 125.07E–.04 7–9 4.2b,3.5s 80 1-121
MAN V 01 23 07 33.8 5.16N 125.00E 34 5.6b,4.9s ¶610689346
DJA V 01 23 07 38.9–.40 5N–4.0 125E–4.0 10 5.0b,4.7b
NEIC V 01 23 07 42.0–1.7 5.49N–.04 124.89E–.09 31–6 4.4b,4.7b
IDC V 01 23 07 46.5–1.7 5.59N 125.43E 85–14 4.0,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=4.3km az=72.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=38.1km s-min=10.4km az=75.0.
ISC V 02 00 19 20.8–2.6 5.65N–.09 124.2E–.10 8–16 3.4b 13 1-55
IDC V 02 00 19 20.1–1.6 5.51N 124.17E 0 4.1L,3.5 ¶610689350
MAN V 02 00 19 26.4 6.10N 124.63E 8 4.3b,3.1L
ISC Event type ke.
IDC Error ellipse: s-maj=40.1km s-min=23.3km az=97.0.
ISC V 02 02 49 52.7–1.3 5.45N–.04 124.80E–.06 27–10 3.5b 32 1-84
MAN V 02 02 49 52.5 5.37N 124.81E 34 5.0b,4.0L ¶610689359
DJA V 02 02 49 55.2–.50 5N–4.0 125E–5.0 43–67 4.9b,4.6b
IDC V 02 02 49 56.5–4.2 5.54N 124.60E 70–37 3.7,3.4b
ISC Event type ke.
IDC Error ellipse: s-maj=52.2km s-min=18.5km az=87.0.
ISC V 02 04 00 55.1–1.9 5.38N–.03 125.02E–.06 19–6 3.8b,3.2s 34 1-99
IDC V 02 04 00 51.8–.96 5.36N 124.88E 0 3.9,3.9b ¶610689363
MAN V 02 04 00 55.3 5.43N 125.16E 10 4.9b,3.8L
DJA V 02 04 00 56.3–1.0 5N–5.0 125E–5.0 18–13 4.9b,4.4
ISC Event type ke.
ISC V 02 05 15 45.5–1.2 5.31N–.03 124.94E–.08 27–16 14 1-7
MAN V 02 05 15 49.5 5.54N 125.05E 15 4.2b,3.0L ¶615346321
DJA V 02 05 15 50.4–1.2 5N–12 125E–18 81–52 5.4b,4.8
ISC Event type ke.
ISC V 02 12 03 54.7–1.5 5.48N–.04 124.96E–.06 17–11 4.0b 33 1-40
IDC V 02 12 03 54.7–1.4 5.49N 126.04E 0 4.0,4.0b ¶610689384
DJA V 02 12 03 57.6–.70 5N–3.0 125E–4.0 30–7 5.1b,4.5
MAN V 02 12 04 00.2 5.76N 125.02E 18 4.7b,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=58.2km s-min=18.8km az=72.0.
ISC V 02 13 53 46.5–1.6 5.1N–.20 126.7E–.30 71 3.1b 9 1-56
IDC V 02 13 53 39.4–2.6 4.69N 126.16E 0 3.3,3.3b ¶610689396
MAN V 02 13 53 48.4 5.05N 126.43E 19 4.5b,3.4L
ISC Event type ke.
IDC Error ellipse: s-maj=212.2km s-min=30.5km az=65.0.
ISC V 02 20 45 55.1–1.5 5.5N–.10 124.9E–.10 35 3.1b 7 1-55
MAN V 02 20 45 56.7 5.63N 124.92E 26 4.9b,3.8L ¶616504404
IDC V 02 20 46 27.9–2.5 1.46N 126.03E 0 3.0,3.0b
ISC Event type ke.
IDC Error ellipse: s-maj=232.6km s-min=29.1km az=65.0.
MAN V 03 00 03 07.8 5.80N 125.09E 17 3.9b,2.6L ¶616504418
ISC V 03 00 42 39.2–1.7 8.36N–.05 126.74E–.08 26–11 3.6b 32 0-121
MAN V 03 00 42 40.3 8.23N 126.69E 23 4.9b,3.8L ¶610689421
IDC V 03 00 42 47.5–2.5 8.24N 126.36E 105–24 3.7,3.4b
ISC Event type fe.
MAN Event type fe. INTENSITY I - BISLIG CITY.
IDC Error ellipse: s-maj=40.2km s-min=20.5km az=71.0.
ISC V 03 04 20 40.6–3.4 5.6N–.20 125.02E–.08 10 10 0-7
DJA V 03 04 20 39.1–.50 5N–5.0 125E–9.0 10 5.1b,4.5 ¶615346333
MAN V 03 04 20 42.7 5.75N 125.04E 21 4.3b,3.1L
ISC Event type ke.
MAN V 03 04 26 26.9 5.64N 124.95E 12 3.8b,2.5L ¶616504421
ISC V 03 07 51 42.5–.79 8.76N–.03 122.57E–.03 22–4 3.7b 48 1-51
IDC V 03 07 51 38.1–2.7 9.19N 123.85E 0 3.6,3.6b ¶610689459
MAN V 03 07 51 44.9 8.79N 122.70E 46 4.6b,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=286.4km s-min=26.1km az=63.0.
MAN V 03 08 05 28.8 6.11N 125.15E 10 4.0b,2.7L ¶617175564
MAN V 03 09 49 05.1 5.81N 125.02E 16 3.6b,2.3L ¶616504428
MAN V 03 10 52 00.6 5.79N 124.95E 14 3.6b,2.4L ¶616504429
MAN V 03 11 03 59.0 5.66N 125.05E 15 4.7b,3.6L ¶616504430
MAN V 03 15 42 32.2 6.56N 126.45E 27 4.4b,3.3L ¶616504435
ISC V 03 19 58 36.9–1.5 5.26N–.05 124.40E–.06 32–14 3.2b 25 1-34
DJA V 03 19 58 36.9–.50 5N–4.0 124E–4.0 10 5.1b,4.4 ¶615346331
IDC V 03 19 58 39.1–1.4 5.36N 126.58E 0 3.4,3.4b
MAN V 03 19 58 40.3 5.47N 124.51E 19 4.3b,3.2L
ISC Event type ke.
IDC Error ellipse: s-maj=64.5km s-min=19.9km az=72.0.
MAN V 04 00 51 48.3 7.22N 125.53E 40 3.9b,2.7L ¶616504454
ISC V 04 01 56 39.9–1.4 9.54N–.04 126.12E–.05 14–9 3.8b 42 1-94
MAN V 04 01 56 43.1 9.44N 126.03E 10 4.7b,3.6L ¶610689516
IDC V 04 01 56 49.8–2.2 9.44N 125.94E 103–24 3.9,3.5b
ISC Event type fe.
MAN Event type fe. INTENSITY I - SOCORRO SURIGAO DEL NORTE.
IDC Error ellipse: s-maj=38.4km s-min=15.5km az=78.0.
ISC V 04 16 58 52.1–.56 5.72N–.07 123.84E–.09 550 3.7b 37 2-82
IDC V 04 16 58 01.1–1.9 6.89N 125.27E 0 3.9,3.9b ¶610689558
NEIC V 04 16 58 51.5–1.3 5.80N–.05 123.96E–.10 531–10 4.1b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN V 04 22 52 08.0 8.28N 125.81E 71 4.1b,2.8L ¶616504478
MAN V 05 03 28 48.5 5.76N 125.13E 1 4.2b,3.0L ¶616504487
ISC V 05 14 42 00.8–1.3 5.51N–.03 124.85E–.04 14–8 4.3b,3.5s 92 1-98
MAN V 05 14 42 02.0 5.48N 124.94E 7 5.1b,4.1s ¶610689613
DJA V 05 14 42 03.6–.30 5N–2.0 125E–3.0 10 5.3b,4.7
NEIC V 05 14 42 07.7–1.7 5.50N–.07 124.9E–.10 65–9 4.4b,4.7
IDC V 05 14 42 07.1–2.1 5.51N 125.00E 70–18 4.0,3.7b
ISC Event type fe.
MAN Event type fe. INTENSITY II - GENERAL SANTOS CITY.
NEIC Event type se. Error ellipse: s-maj=14.9km s-min=9.7km az=109.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=27.7km s-min=11.1km az=79.0.
MAN V 05 16 00 16.3 5.57N 126.57E 33 3.9b,2.7L ¶616504498
MAN V 05 17 40 01.2 6.69N 124.89E 41 4.2b,3.0L ¶616504500
MAN V 05 18 53 50.3 6.10N 126.38E 124 4.3b,3.1L ¶616504502
MAN V 05 20 07 19.8 5.80N 126.60E 53 4.3b,3.1L ¶616504503
ISC V 06 00 24 51.9–1.1 5.81N–.10 125.9E–.10 167–9 3.3b 15 0-55
IDC V 06 00 24 48.6–6.1 5.32N 124.70E 117–70 3.6,3.2b ¶610689634
MAN V 06 00 24 52.8 5.99N 125.82E 171 4.6b,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=104.7km s-min=22.8km az=69.0.
MAN V 06 10 21 30.5 9.63N 125.49E 25 4.0b,2.8L ¶616504529
MAN V 06 15 05 15.9 5.74N 124.98E 18 4.1b,2.9L ¶616504545
ISC V 07 01 29 39.4–.51 6.06N–.04 125.69E–.05 110–5 4.5b 124 0-121
MAN V 07 01 29 38.5 6.08N 125.70E 111 4.7b,3.6L ¶610617814
IDC V 07 01 29 39.3–.67 6.11N 125.67E 115–5 4.2,3.8b
NEIC V 07 01 29 39.6–1.4 6.04N–.07 125.67E–.10 107–9 4.5b,3.8b
DJA V 07 01 29 39.5–.50 6N–5.0 126E–3.0 107–5 5.1b,4.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN V 07 09 46 29.2 7.32N 125.27E 69 3.9b,2.6L ¶616504577
MAN V 08 07 36 32.1 9.77N 124.49E 24 3.5b,2.2L ¶616504606
ISC V 08 16 43 08.6–2.2 5.38N–.07 124.86E–.05 16–13 3.5b 32 1-99
IDC V 08 16 43 06.2–1.1 5.40N 124.76E 0 3.7b,3.6 ¶610689803
MAN V 08 16 43 11.7 5.55N 124.84E 19 4.4b,3.3L
ISC Event type ke.
IDC Error ellipse: s-maj=45.6km s-min=17.5km az=90.0.
ISC V 09 18 16 47.8–.78 6.25N–.05 126.96E–.06 113–7 4.4b 68 2-122
MAN V 09 18 16 47.4 6.28N 126.91E 120 4.6b,3.5L ¶610689910
IDC V 09 18 16 49.3–1.9 6.24N 127.01E 116–14 4.0,3.6b
NEIC V 09 18 16 49.2–1.2 6.24N–.08 126.87E–.09 119–5 4.6b,3.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN V 09 18 23 43.1 7.16N 123.58E 28 3.9b,2.7L ¶616504657
ISC V 10 01 52 12.1–1.2 5.85N–.08 126.12E–.07 35 3.3b 17 0-83
IDC V 10 01 52 09.0–4.8 6.24N 128.12E 0 3.5,3.5b ¶610689927
MAN V 10 01 52 17.7 6.23N 125.89E 22 4.6b,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=306.1km s-min=33.9km az=92.0.
ISC V 10 11 59 28.9–1.1 8.46N–.04 126.56E–.07 46–9 3.7b,3.6s 36 0-95
IDC V 10 11 59 22.0–.85 8.55N 126.71E 0 3.8,3.8b ¶610689965
MAN V 10 11 59 30.1 8.48N 126.49E 44 4.9b,3.8L
ISC Event type ke.
IDC Error ellipse: s-maj=23.7km s-min=13.9km az=107.0.
MAN V 10 15 49 33.1 9.38N 126.62E 14 4.4b,3.2L
IDC V 10 15 50 03.4–3.2 6.89N 123.04E 0 3.3s,3.2 ¶616504679
IDC Error ellipse: s-maj=409.1km s-min=29.9km az=63.0.
IDC V 10 15 59 30.7–3.0 6.30N 124.01E 548–33 3.6,2.6b ¶610689975

IDC Error ellipse: s-maj=86.9km s-min=14.4km az=60.0.
ISC V 11 03 07 33.7–.84 7.45N–.04 126.81E–.06 53–8 4.3b 74 0-122
MAN V 11 03 07 33.7 7.39N 126.71E 22 5.1b,4.2s ¶610690018
DJA V 11 03 07 33.0–1.4 7N–11 127E–3.0 15–18 5.1b,4.7
NEIC V 11 03 07 34.5–2.4 7.5N–.20 126.79E–.09 54–7 4.4b,4.7
IDC V 11 03 07 35.9–1.4 7.44N 126.66E 77–13 4.2,3.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=22.4km s-min=13.2km az=182.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=18.1km s-min=10.7km az=79.0.
ISC V 11 07 15 17.5–1.1 7.39N–.05 126.90E–.08 53–9 4.0b,3.6s 38 1-122
IDC V 11 07 15 18.8–1.9 7.48N 126.91E 65–16 4.0,3.7b ¶610690024
MAN V 11 07 15 18.4 7.33N 126.71E 19 5.1b,4.2s
ISC Event type ke.
IDC Error ellipse: s-maj=18.0km s-min=13.9km az=75.0.
MAN V 11 11 51 25.0 7.66N 124.63E 19 4.6b,3.5L ¶616504695
MAN Event type fe. INTENSITY II - KALILANGAN BUKIDNON.
MAN V 11 15 17 44.9 8.48N 122.55E 22 4.5b,3.4L ¶616504704
MAN V 11 15 57 43.9 5.82N 125.06E 19 4.0b,2.7L ¶616504707
ISC V 11 21 33 08.7–1.3 5.53N–.05 124.93E–.10 21–6 17 1-11
MAN V 11 21 33 10.8 5.64N 124.99E 27 4.9b,3.8L ¶615346388
DJA V 11 21 33 10.7–.60 5N–6.0 125E–4.0 70–33 4.9b,4.4
ISC Event type ke.
ISC V 12 11 28 53.4–.50 5.24N–.03 126.30E–.05 61–4 4.5b 249 1-154
MAN V 12 11 28 49.0 5.08N 126.49E 55 5.2b,4.3s ¶610630853
IDC V 12 11 28 51.3–1.8 5.20N 126.00E 52–16 4.2s,4.2
NEIC V 12 11 28 52.1–1.8 5.33N–.06 126.43E–.08 41–6 4.6b,4.2
DJA V 12 11 28 53.5–1.3 5N–4.0 126E–3.0 30–21 5.1b,4.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN V 12 19 36 24.0 7.75N 124.62E 1 4.2b,3.1L ¶616504753
MAN V 13 18 04 48.8 7.87N 124.72E 3 3.7b,2.5L ¶616504786
MAN V 13 18 06 56.4 8.29N 124.81E 6 3.5b,2.2L ¶616504787
ISC V 14 05 06 14.2–.77 5.58N–.04 126.08E–.06 113–8 4.2b 86 2-122
MAN V 14 05 06 11.9 5.44N 126.21E 68 4.7b,3.6L ¶610690248
IDC V 14 05 06 14.0–1.0 5.60N 125.96E 114–8 4.0,3.9s
NEIC V 14 05 06 14.3–1.1 5.75N–.06 126.1E–.10 108–8 4.4b,3.9s
DJA V 14 05 06 15.2–.30 6N–2.0 126E–3.0 67–9 4.9b,4.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 14 10 46 06.5–1.4 5.59N–.04 124.81E–.04 27–11 4.2b,2.5s 64 1-95
MAN V 14 10 46 04.8 5.43N 124.87E 29 4.8b,3.7L ¶610639170
NEIC V 14 10 46 07.8–1.4 5.59N–.05 124.8E–.10 38–10 4.4b,3.7L
DJA V 14 10 46 08.3–.40 6N–3.0 125E–3.0 49–39 5.2b,4.9b
IDC V 14 10 46 08.4–5.0 5.55N 124.77E 53–52 4.2L,3.9
ISC Event type fe.
MAN Event type fe.
NEIC Event type se. Error ellipse: s-maj=19.7km s-min=4.7km az=104.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=52.0km s-min=12.0km az=77.0.
MAN V 14 19 57 19.2 7.81N 124.93E 39 4.1b,2.8L ¶616504812
MAN V 15 17 10 57.9 9.10N 125.84E 28 3.9b,2.7L ¶616504843
ISC V 16 02 41 40.5–.72 5.89N–.06 124.42E–.09 400 3.3b 40 1-54
IDC V 16 02 40 55.2–1.9 6.77N 125.34E 0 3.8,3.8b ¶610690376
MAN V 16 02 41 35.9 5.83N 124.26E 440 4.5b,3.4L
DJA V 16 02 41 39.4–.50 6N–5.0 124E–2.0 384–4 5.1,5.1b
ISC Event type ke.
ISC V 16 09 03 15.2–.89 5.35N–.03 125.15E–.05 68–9 4.4b 103 1-122
IDC V 16 09 03 13.3–4.0 5.35N 124.68E 61–32 4.0,4.0L ¶610690405
MAN V 16 09 03 14.1 5.42N 125.26E 54 4.7b,3.6L
NEIC V 16 09 03 15.2–1.2 5.30N–.08 125.0E–.20 65–10 4.4b,3.6L
DJA V 16 09 03 18.3–.90 5N–3.0 125E–3.0 15–7 5.1b,4.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN V 16 09 13 58.1 5.46N 124.94E 12 4.1b,2.9L ¶616504872
MAN V 17 12 11 52.2 5.70N 125.06E 23 3.9b,2.6L ¶616504911
MAN V 17 15 28 53.2 7.64N 124.61E 2 4.5b,3.4L ¶616504920
MAN Event type fe. INTENSITY I - KALILANGAN BUKIDNON.
ISC V 17 22 24 45.1–1.4 6.85N–.04 126.17E–.05 16–9 4.1b 45 0-89
IDC V 17 22 24 44.9–1.0 6.34N 125.11E 0 3.9,3.9b ¶610690530
NEIC V 17 22 24 44.4–1.5 6.96N–.05 126.37E–.06 10–1 4.4b,3.9b
MAN V 17 22 24 48.2 6.87N 126.14E 26 4.3b,3.1L
ISC Event type se.
IDC Error ellipse: s-maj=27.2km s-min=10.3km az=112.0.
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=7.4km az=132.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN V 19 10 14 26.6 9.73N 124.38E 1 4.2b,3.0L ¶616542114
ISC V 20 05 17 29.9–.34 6.43N–.03 126.90E–.05 100–2 5.0b 604 1-162
BJI V 20 05 17 25.4–.00 6.24N 127.14E 95 5.0b,4.9b ¶610645714
MOS V 20 05 17 27.9–.86 6.44N 126.94E 100 5.1b,4.9b
MAN V 20 05 17 29.0 6.47N 126.93E 57 5.5b,4.7s
IDC V 20 05 17 30.4–.65 6.49N 126.93E 101–5 4.7,4.4b
NEIC V 20 05 17 30.3–1.2 6.46N–.07 126.96E–.09 97–7 5.0b,4.4b
DJA V 20 05 17 31.4–.50 6N–4.0 127E–4.0 92–3 5.4b,5.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 20 21 22 18.4–.72 5.92N–.05 126.15E–.06 132–6 4.0b 61 0-84
IDC V 20 21 22 13.8–5.1 5.46N 124.77E 84–53 4.0s,3.9 ¶610685048
MAN V 20 21 22 17.8 5.87N 126.05E 133 4.6b,3.5L
NEIC V 20 21 22 19.1–2.0 5.90N–.09 126.1E–.20 132–7 4.2b,3.5L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN V 21 01 37 53.7 7.12N 125.96E 21 3.9b,2.7L ¶616542176
ISC V 21 04 23 23.1–.76 5.6N–.10 124.4E–.20 550 3.5b 21 2-120
IDC V 21 04 23 23.6–2.8 5.45N 123.99E 545–35 3.9,2.9b ¶610685064
ISC Event type ke.
IDC Error ellipse: s-maj=31.9km s-min=13.3km az=65.0.
MAN V 21 04 23 56.4 7.12N 126.91E 5 3.9b,2.6L ¶617180293
MAN V 21 07 36 37.3 5.84N 125.07E 14 3.8b,2.5L ¶616542182
ISC V 23 06 37 39.4–.96 6.06N–.08 126.0E–.10 150 3.6b 12 1-96
IDC V 23 06 37 22.7–2.2 6.26N 126.18E 0 3.9s,3.7 ¶610685201
MAN V 23 06 37 42.3 6.14N 125.97E 123 4.0b,2.8L
ISC Event type ke.
IDC Error ellipse: s-maj=173.9km s-min=27.9km az=65.0.
ISC V 23 13 17 40.9–.40 5.36N–.03 126.21E–.06 50 4.4b,3.4s 84 1-122
IDC V 23 13 17 34.0–.65 5.38N 125.97E 0 4.0,4.0b ¶616639964
NEIC V 23 13 17 42.0–1.6 5.24N–.06 126.23E–.08 61–6 4.5b,4.0b
MAN V 23 13 17 41.7 5.45N 126.34E 48 4.9b,3.9s
DJA V 23 13 17 42.8–.90 5N–8.0 126E–4.0 80–19 4.7b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 24 12 37 21.2–1.6 5.42N–.08 126.52E–.09 64–18 3.9b 29 1-60
IDC V 24 12 37 13.2–1.8 5.37N 126.38E 0 3.8,3.8b ¶610685295
MAN V 24 12 37 21.1 5.49N 126.59E 76 4.3b,3.2L
ISC Event type ke.
IDC Error ellipse: s-maj=169.8km s-min=21.4km az=65.0.
ISC V 24 14 08 04.9–.85 9.74N–.02 124.49E–.02 24–6 4.3b,3.4s 146 0-146
MAN V 24 14 08 04.1 9.72N 124.48E 7 5.1b,4.1L ¶610651502
NEIC V 24 14 08 07.6–1.4 9.74N–.08 124.54E–.09 41–8 4.5b,4.1L
IDC V 24 14 08 10.8–1.9 9.74N 124.52E 77–18 4.2,3.9b
ISC Event type fe.
MAN Event type fe.
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=11.0km az=62.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=19.2km s-min=10.6km az=74.0.
ISC V 25 09 17 37.6–1.3 9.33N–.05 126.82E–.08 10 3.5b 28 1-57
IDC V 25 09 17 40.9–1.2 7.67N 123.23E 0 4.2L,3.6 ¶616542287
MAN V 25 09 17 41.5 9.25N 126.66E 15 4.6b,3.4L
ISC Event type ke.
IDC Error ellipse: s-maj=45.8km s-min=20.6km az=46.0.
ISC V 25 09 19 44.9–.96 5.47N–.09 126.6E–.10 66 3.7b 12 2-60
MAN V 25 09 19 44.3 5.56N 126.57E 105 4.5b,3.4L ¶610685355
IDC V 25 09 19 45.7–2.1 5.29N 126.20E 70–25 3.7,3.4b
ISC Event type ke.
IDC Error ellipse: s-maj=129.8km s-min=14.9km az=68.0.
ISC V 25 16 59 10.9–.72 7.58N–.03 124.78E–.03 29–5 4.5b 147 1-87
DJA V 25 16 59 03.4–.50 8N–4.0 125E–6.0 10 5.0b,4.7 ¶610654524
MAN V 25 16 59 08.0 7.66N 124.76E 1 5.1b,4.2s
BJI V 25 16 59 12.9–.00 7.73N 124.69E 39 4.9b,4.6b
NEIC V 25 16 59 12.2–1.6 7.54N–.07 124.74E–.06 36–7 4.6b,4.6b
IDC V 25 16 59 14.1–.92 7.68N 125.18E 60–10 4.1,3.8b
ISC Event type fe.
MAN Event type fe. INTENSITY IV - WAO LANAO DEL SUR; INTENSITY II - CAGAYAN DE ORO CITY.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=7.7km az=194.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=30.0km s-min=12.7km az=73.0.
ISC V 26 13 03 37.8–1.3 5.65N–.07 126.5E–.10 100 14 2-10
DJA V 26 13 03 35.8–1.0 6N–8.0 127E–6.0 143–18 6.0b,5.6 ¶615346625
MAN V 26 13 03 40.8 5.93N 126.52E 86 4.5b,3.3L
ISC Event type ke.
ISC V 26 22 32 58.0–.37 5.81N–.04 126.44E–.06 50 4.6b,3.8s 161 2-122
MAN V 26 22 32 49.7 5.57N 126.72E 9 5.2b,4.3s ¶610654879
BJI V 26 22 32 55.6–.00 5.49N 126.28E 50 4.9b,4.5b
NEIC V 26 22 32 57.9–1.5 5.96N–.05 126.46E–.08 47–7 4.7b,4.5b
IDC V 26 22 32 58.3–1.6 5.53N 125.77E 58–13 4.3,4.0b
DJA V 26 22 32 58.2–.50 6N–4.0 126E–3.0 52–5 6.2,6.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 26 22 44 30.9–.94 5.76N–.08 126.48E–.09 35 3.9b 19 2-96
IDC V 26 22 44 27.1–.96 5.50N 125.32E 0 3.9,3.9b ¶610685459
MAN V 26 22 44 31.4 5.85N 126.47E 15 4.6b,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=47.5km s-min=18.0km az=80.0.
ISC V 27 03 58 59.4–1.3 5.40N–.07 126.08E–.09 84–28 21 1-10
DJA V 27 03 58 50.2–1.2 6N–10 126E–6.0 171–16 4.5b,4.5 ¶615346650
MAN V 27 03 58 58.6 5.42N 126.08E 92 4.5b,3.4L
ISC Event type ke.
MAN V 27 07 52 46.2 7.55N 124.80E 15 4.4b,3.2L ¶616542328
ISC V 27 08 52 21.6–2.2 5.96N–.07 126.49E–.07 15–12 3.6b 23 1-88
MAN V 27 08 52 19.2 5.56N 126.68E 25 4.7b,3.6L ¶610685486
IDC V 27 08 52 21.2–1.0 5.52N 125.10E 0 3.6,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=34.3km s-min=13.2km az=97.0.
ISC V 27 09 33 29.5–1.1 9.13N–.04 126.48E–.08 52–10 4.1b 32 1-121
MAN V 27 09 33 30.3 9.15N 126.37E 22 4.7b,3.6L ¶617209507
IDC V 27 09 33 49.8–1.9 9.09N 126.61E 247–20 4.0,3.3b
ISC Event type ke.
IDC Error ellipse: s-maj=33.6km s-min=14.4km az=78.0.
ISC V 27 22 48 07.1–.62 5.83N–.04 126.38E–.06 56–5 4.4b,3.8s 173 1-122
MAN V 27 22 47 59.6 5.67N 126.79E 15 5.0b,3.9L ¶610655157
DJA V 27 22 48 07.0–.50 6N–3.0 126E–6.0 21 5.0b,4.9b
NEIC V 27 22 48 07.3–1.7 5.84N–.03 126.26E–.09 50–7 4.6b,4.9b
IDC V 27 22 48 08.7–1.3 5.85N 126.26E 80–10 4.1,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.5km s-min=2.4km az=73.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=25.8km s-min=10.7km az=73.0.
ISC V 27 23 43 59.3–1.1 5.84N–.08 126.64E–.08 10 3.6b 15 1-90
IDC V 27 23 43 56.5–1.1 6.39N 127.13E 0 3.6,3.6b ¶610685522
MAN V 27 23 43 58.4 5.55N 126.62E 19 4.5b,3.4L
ISC Event type ke.
IDC Error ellipse: s-maj=28.8km s-min=14.4km az=32.0.
MAN V 28 02 10 12.5 6.59N 126.80E 17 4.1b,2.9L ¶616542366
ISC V 28 05 00 44.1–.56 5.92N–.04 126.54E–.05 54–4 4.5b,3.7s 180 1-122
IDC V 28 05 00 39.4–2.8 6.10N 126.71E 19–16 4.4,4.3b ¶610655185
MAN V 28 05 00 40.1 5.81N 126.67E 22 4.9b,3.9L
DJA V 28 05 00 44.8–.50 6N–4.0 127E–4.0 55–5 5.2b,4.9
NEIC V 28 05 00 44.7–1.4 6.00N–.06 126.48E–.09 53–7 4.6b,4.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 28 06 52 25.7–1.3 5.83N–.06 126.51E–.07 53–12 4.0b 51 1-122
MAN V 28 06 52 19.7 5.77N 126.64E 1 4.7b,3.6L ¶610685544
IDC V 28 06 52 26.9–3.2 6.10N 126.73E 68–26 3.9,3.6b
NEIC V 28 06 52 26.8–1.3 5.87N–.06 126.4E–.20 57–9 4.1b,3.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 28 21 23 04.1–.92 6.37N–.03 126.43E–.06 50–9 4.2b 82 1-122
IDC V 28 21 22 57.8–.67 5.88N 125.15E 0 4.0,4.0b ¶610685574
DJA V 28 21 23 03.5–.60 6N–4.0 126E–6.0 10 5.0b,4.6b
MAN V 28 21 23 04.3 6.34N 126.36E 16 4.7b,3.6L
NEIC V 28 21 23 07.2–1.4 6.37N–.08 126.2E–.20 71–9 4.4b,3.6L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN V 29 09 05 46.9 5.80N 125.05E 21 3.8b,2.5L ¶616542395
MAN V 29 16 26 54.6 5.95N 124.79E 11 4.5b,3.3L ¶616542399
ISC V 30 08 03 27.1–.88 7.97N–.03 124.48E–.08 10 3.6b 18 1-53
IDC V 30 08 03 24.1–1.9 8.47N 126.09E 0 3.6,3.6b ¶610685707
MAN V 30 08 03 26.1 7.92N 124.44E 1 4.5b,3.4L
ISC Event type ke.
IDC Error ellipse: s-maj=53.6km s-min=24.7km az=87.0.
MAN V 30 09 09 23.4 5.98N 125.06E 54 3.8b,2.5L ¶616542418
MAN V 30 09 47 01.8 8.36N 126.82E 13 4.2b,3.0L ¶616542420
ISC V 31 02 26 28.2–.43 6.02N–.06 123.74E–.08 550 4.1b 89 1-119
MAN V 31 02 26 29.6 6.12N 123.83E 555 4.8b,3.7L ¶610685759

NEIC V 31 02 26 29.5–1.8 6.0N–.10 123.8E–.10 559–9 4.1b,3.7L
IDC V 31 02 26 30.3–1.5 5.97N 123.82E 581–17 4.4,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.1km s-min=14.7km az=90.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=30.7km s-min=7.9km az=68.0.
MAN V 31 11 34 26.0 6.24N 125.17E 7 3.9b,2.6L ¶616542457
MAN V 31 15 19 41.7 7.71N 124.66E 5 4.6b,3.5L ¶616542463
MAN VI 02 06 00 28.0 6.81N 126.68E 29 4.1b,2.9L ¶617049591
ISC VI 03 18 51 50.6–.55 6.44N–.03 126.32E–.05 83–5 4.5b 264 1-96
BJI VI 03 18 51 47.5–.00 6.12N 126.18E 76 4.9b,4.4b **¶610661272**
IDC VI 03 18 51 48.9–1.2 6.52N 126.56E 71–10 4.3,4.0b
MAN VI 03 18 51 49.1 6.44N 126.36E 51 4.9b,3.8L
NEIC VI 03 18 51 51.5–1.7 6.50N–.06 126.29E–.07 89–6 4.7b,3.8L
DJA VI 03 18 51 51.3–.40 6N–4.0 126E–3.0 70–4 5.3b,5.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 04 21 52 37.1–.95 5.41N–.08 126.4E–.10 100 3.6b 15 2-90
IDC VI 04 21 52 26.6–1.1 4.88N 125.04E 0 3.6,3.6b **¶610791257**
MAN VI 04 21 52 28.4 5.15N 126.52E 7 4.6b,3.4L
ISC Event type ke.
IDC Error ellipse: s-maj=53.9km s-min=18.3km az=79.0.
MAN VI 07 08 00 10.3 7.17N 125.86E 2 3.7b,2.4L ¶617049655
ISC VI 08 17 29 03.4–.97 5.5N–.10 124.5E–.20 500 3.2b 9 3-87
IDC VI 08 17 29 03.6–2.9 5.25N 124.09E 491–33 3.6,2.7b **¶610791477**
ISC Event type ke.
IDC Error ellipse: s-maj=67.9km s-min=17.1km az=63.0.
MAN VI 08 20 42 59.1 6.28N 126.27E 24 4.4b,3.3L ¶617049699
MAN VI 08 21 37 36.6 9.02N 125.69E 32 3.8b,2.6L ¶617049701
ISC VI 09 12 58 24.3–.46 5.50N–.02 125.20E–.03 32–3 5.1b,4.2s 793 1-163
BJI VI 09 12 58 16.5–.00 5.14N 125.42E 10 4.9b,4.7b **¶610668998**
NEIC VI 09 12 58 22.4–2.0 5.53N–.05 125.17E–.07 14–2 5.2b,4.7b
MOS VI 09 12 58 22.5–.95 5.61N 125.11E 33 5.1b,4.3s
MAN VI 09 12 58 23.2 5.48N 125.15E 23 5.8b,5.2s
GCMT VI 09 12 58 26.4–.30 5.66N–.02 125.25E–.02 34–0 5.0W,5.2s
DJA VI 09 12 58 27.3–.30 6N–2.0 125E–2.0 56–3 5.4b,5.4
IDC VI 09 12 58 29.7–.98 5.61N 125.24E 86–8 4.6,4.3b
ISC Event type fe.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=7.4km az=95.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=10.7km s-min=5.2km az=117.3.
MAN Event type fe. INTENSITY III - SARANGANI DAVAO OCCIDENTAL; INTENSITY II - GENERAL SANTOS CITY; GLAN SARANGANI.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s61,c69; s73,c95;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}4.34±.19 $M_{\theta\theta}$-0.23±.11; $M_{\phi\phi}$-4.12±.12; $M_{r\theta}$-0.60±.14; $M_{\theta\phi}$-0.75±.10; $M_{\phi r}$-0.58±.15; Best double couple: NP1:ϕ_s197.00000°,δ50.00000°,λ98.00000°. NP2:ϕ_s5.00000°,δ41.00000°,λ81.00000°. Principal axes: T 4.4450,Plg82.0000° ,Azm154.0000°; N -0.1420,Plg6.0000°,Azm12.0000°; P -4.3130,Plg5.0000°,Azm281.0000° $M_0$4.37900×10^{16}
IDC Error ellipse: s-maj=14.1km s-min=7.6km az=81.0.
ISC VI 13 04 34 26.7–.94 5.45N–.04 125.13E–.05 48–10 4.4b,3.5s 62 1-95
MAN VI 13 04 34 26.1 5.49N 125.10E 29 4.9b,3.8L **¶610791757**
DJA VI 13 04 34 26.0–1.8 5N–2.0 125E–5.0 13–14 5.2b,4.7b
NEIC VI 13 04 34 28.6–.93 5.16N–.07 125.24E–.02 38–10 4.5b,4.7b
IDC VI 13 04 34 28.3–3.2 5.46N 125.05E 74–29 4.1,3.9s
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=2.9km az=184.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=55.7km s-min=16.2km az=82.0.
MAN VI 13 13 17 12.1 9.88N 124.03E 3 4.6b,3.5L ¶617049773
ISC VI 13 20 17 45.5–.81 9.42N–.03 126.23E–.04 52–7 4.3b,3.2s 125 0-145
NEIC VI 13 20 17 43.4–1.7 9.44N–.09 126.1E–.10 30–5 4.6b,3.2s **¶610791798**
MAN VI 13 20 17 45.5 9.43N 126.25E 33 4.7b,3.6L
IDC VI 13 20 17 48.6–2.0 9.36N 125.94E 85–19 4.0,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.6km s-min=12.0km az=102.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=31.3km s-min=11.9km az=80.0.
MAN VI 14 20 33 41.7 5.77N 126.51E 33 4.2b,3.0L ¶617049809
ISC VI 14 21 05 19.0–1.9 5.85N–.05 126.38E–.06 14–11 3.4b 23 1-56
IDC VI 14 21 05 15.0–1.8 6.43N 127.18E 0 3.5,3.5b **¶610791894**
MAN VI 14 21 05 20.5 6.00N 126.50E 11 4.3b,3.1L
ISC Event type ke.
IDC Error ellipse: s-maj=63.9km s-min=19.6km az=46.0.
MAN VI 15 13 12 12.0 6.59N 125.82E 126 3.9b,2.6L ¶617049821
ISC VI 15 18 07 52.8–.81 6.01N–.05 125.15E–.03 10 3.5b 37 0-87
IDC VI 15 18 07 41.5–1.7 7.68N 127.28E 0 3.6s,3.6 **¶617049831**
MAN VI 15 18 07 53.6 6.04N 125.09E 24 5.1b,4.1s
ISC Event type fe.
IDC Error ellipse: s-maj=44.4km s-min=21.6km az=49.0.
MAN Event type fe.
IDC VI 15 22 29 54.1–2.0 6.35N 124.49E 0 4.0,4.0b ¶610791968
IDC Error ellipse: s-maj=208.5km s-min=23.8km az=64.0.
ISC VI 16 01 44 15.9–.43 8.24N–.03 126.72E–.05 64–3 4.8b 457 0-163
MAN VI 16 01 44 12.5 8.31N 126.81E 17 5.6b,4.9s **¶610675489**
BJI VI 16 01 44 12.6–.00 8.16N 126.74E 62 4.9b,4.7b
DJA VI 16 01 44 15.0–.90 8N–7.0 127E–4.0 49–5 5.4b,5.3
IDC VI 16 01 44 17.5–1.3 8.34N 126.60E 80–12 4.6,4.3b
NEIC VI 16 01 44 18.5–1.6 8.30N–.07 126.55E–.09 81–6 4.9b,4.3b
ISC Event type fe.
MAN Event type fe. INTENSITY IV - BISLIG CITY; INTENSITY II - HINATUAN SURIGAO DEL SUR.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 18 07 46 32.0–.90 6.08N–.04 126.15E–.06 68–8 3.6b 43 0-61
DJA VI 18 07 46 29.9–1.4 6N–5.0 126E–6.0 14–14 4.9b,4.7b **¶610792105**
MAN VI 18 07 46 30.7 6.07N 126.25E 51 4.6b,3.4L
IDC VI 18 07 46 32.0–2.0 6.13N 126.25E 72–16 3.9,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=80.3km s-min=16.7km az=66.0.
MAN VI 18 14 50 15.2 9.88N 124.05E 5 4.6b,3.4L ¶617049888
MAN Event type fe. INTENSITY III - SAGBAYAN AND CLARIN BOHOL.
IDC VI 18 14 59 28.9–4.5 5.01N 125.66E 0 3.3,3.3b ¶610792126
IDC Error ellipse: s-maj=262.5km s-min=30.7km az=88.0.
MAN VI 19 05 40 13.0 9.78N 125.39E 6 4.7b,3.5L ¶617049895
MAN Event type fe. INTENSITY II - SURIGAO CITY; SAN FRANCISCO SURIGAO DEL NORTE.
ISC VI 19 12 24 32.8–1.2 6.56N–.08 126.9E–.10 150 3.3b 13 1-55
IDC VI 19 12 24 20.0–2.5 5.22N 123.66E 0 3.6,3.6b **¶617049898**
MAN VI 19 12 24 33.5 6.57N 126.88E 142 4.4b,3.3L
ISC Event type ke.
IDC Error ellipse: s-maj=304.8km s-min=25.8km az=64.0.
ISC VI 19 17 53 39.9–1.3 8.09N–.03 123.02E–.04 14–8 3.8b,2.8s 74 0-86
MAN VI 19 17 53 39.5 8.06N 123.00E 11 5.1b,4.2s **¶610792203**
DJA VI 19 17 53 43.6–1.1 8N–9.0 123E–6.0 10 5.1b,5.1b
IDC VI 19 17 53 50.6–1.9 8.23N 123.56E 111–19 3.9,3.5b
ISC Event type fe.
MAN Event type fe. INTENSITY IV - PAGADIAN CITY; SINDANGAN PRES. MANUEL ROXAS AND LEON POSTIGO ZAMBOANGA DEL ; NORTE; INTENSITY II - JOSE DALMAN AND MANUKAN ZAMBOANGA DEL NORTE.
IDC Error ellipse: s-maj=33.3km s-min=12.6km az=60.0.
ISC VI 20 05 47 28.9–1.8 5.49N–.09 126.46E–.10 62–14 3.8b 30 1-122
IDC VI 20 05 47 22.3–.78 5.16N 125.06E 0 3.8b,3.7 **¶610789142**
MAN VI 20 05 47 26.4 5.59N 126.49E 1 4.8b,3.7L
ISC Event type ke.
IDC Error ellipse: s-maj=43.9km s-min=17.2km az=80.0.
MAN VI 21 21 50 56.6 6.48N 126.98E 47 4.3b,3.1L ¶617049956
ISC VI 22 08 30 07.2–2.5 5.07N–.08 126.03E–.08 6–17 3.3b,2.6s 13 1-60
IDC VI 22 08 30 11.7–2.1 4.30N 125.54E 0 3.4,3.4b **¶610789260**
MAN VI 22 08 30 18.0 5.72N 126.07E 13 4.8b,3.7L
ISC Event type ke.
IDC Error ellipse: s-maj=227.0km s-min=24.9km az=65.0.
IDC VI 23 06 33 08.9–36 8.01N 124.09E 0 3.8,3.8b ¶610789315
IDC Error ellipse: s-maj=613.6km s-min=218.9km az=156.0.
MAN VI 23 09 57 13.7 7.07N 126.33E 160 4.3b,3.1L ¶617049982
ISC VI 23 18 05 08.3–1.4 9.38N–.03 125.63E–.03 7–11 35 0-4
MAN VI 23 18 05 10.1 9.39N 125.63E 25 4.5b,3.4L **¶617049993**
ISC Event type ke.
ISC VI 23 19 38 42.0–.41 6.44N–.05 124.61E–.07 400 4.0b 96 1-88
IDC VI 23 19 38 43.6–1.8 6.40N 124.54E 415–20 4.1,3.3b **¶610789359**
NEIC VI 23 19 38 43.9–2.0 6.5N–.10 124.53E–.07 412–9 4.1b,3.3b
DJA VI 23 19 38 44.8–1.7 6N–22 125E–9.0 421–17 4.9b,4.5
MAN VI 23 19 38 44.4 6.57N 124.97E 386 4.7b,3.5L
ISC Event type se.
IDC Error ellipse: s-maj=25.3km s-min=10.2km az=69.0.
NEIC Event type se. Error ellipse: s-maj=15.6km s-min=9.9km az=194.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 25 19 45 14.8–.66 5.74N–.04 126.01E–.05 116–6 4.4b 265 0-121
MAN VI 25 19 45 12.7 5.60N 126.03E 89 5.1b,4.2s **¶610694650**
DJA VI 25 19 45 14.1–.50 6N–3.0 126E–4.0 116–8 5.0b,4.7
IDC VI 25 19 45 15.0–.74 5.74N 125.88E 118–6 4.2,3.9b
NEIC VI 25 19 45 16.1–1.6 5.82N–.07 126.0E–.10 126–7 4.5b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN VI 26 01 25 36.4 8.92N 126.46E 26 3.5b,2.2L ¶617050048
MAN VI 26 13 57 18.7 8.32N 126.72E 16 4.3b,3.1L ¶617050064
MAN VI 26 20 37 36.8 8.07N 123.61E 14 4.0b,2.7L ¶617050071
MAN VI 27 00 46 33.8 5.34N 125.43E 9 4.6b,3.5L ¶617050076
MAN VI 27 15 43 51.8 5.34N 125.87E 3 3.9b,2.7L ¶617050082
ISC VI 28 01 33 24.8–.56 5.13N–.04 125.24E–.07 35 4.1b,2.7s 52 1-97
IDC VI 28 01 33 19.2–.93 5.10N 124.96E 0 4.1,4.1L **¶610789608**
MAN VI 28 01 33 23.7 5.11N 125.48E 25 4.8b,3.7L
DJA VI 28 01 33 24.5–.50 5N–4.0 125E–5.0 10 5.3b,4.7
NEIC VI 28 01 33 25.9–2.5 5.12N–.06 125.39E–.08 36–9 4.3b,4.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN VI 28 12 12 10.9 9.76N 125.42E 24 3.9b,2.6L ¶617050096
ISC VI 28 15 21 58.5–.77 8.18N–.03 126.72E–.06 45–7 4.3b 143 0-95
MAN VI 28 15 21 58.0 8.21N 126.72E 21 5.1b,4.1s **¶610699023**
NEIC VI 28 15 21 59.8–1.7 8.23N–.08 126.60E–.10 55–8 4.4b,4.1s
IDC VI 28 15 22 00.3–1.6 8.28N 126.66E 66–15 4.1,3.8b
DJA VI 28 15 22 22.7–.50 7N–4.0 125E–5.0 10 4.8b,4.8b
ISC Event type fe.
MAN Event type fe. INTENSITY III - BISLIG CITY.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 28 23 45 04.1–1.5 8.74N–.03 126.78E–.05 5–9 4.2b,3.5s 68 1-121
IDC VI 28 23 45 03.4–.79 8.74N 126.78E 0 4.6L,4.0 **¶610789676**
MAN VI 28 23 45 04.1 8.56N 126.99E 1 4.9b,3.9L
NEIC VI 28 23 45 06.0–2.4 8.82N–.07 126.71E–.10 10–1 4.5b,3.9L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MAN VI 29 07 59 38.3 9.96N 124.17E 36 4.0b,2.8L ¶617050112
IDC VI 29 08 00 47.4–2.6 5.44N 123.06E 0 3.8,3.8b ¶610789708
IDC Error ellipse: s-maj=358.6km s-min=26.5km az=63.0.
MAN VI 29 08 31 54.0 7.28N 126.43E 136 4.3b,3.1L ¶617050114
ISC VI 29 09 05 59.9–1.1 7.14N–.05 126.52E–.09 150 3.2b 23 0-55
IDC VI 29 09 05 48.8–1.6 6.03N 123.94E 0 3.4s,3.3 **¶617050115**
MAN VI 29 09 06 00.8 7.15N 126.53E 117 4.4b,3.2L
ISC Event type ke.
IDC Error ellipse: s-maj=33.4km s-min=25.9km az=104.0.
ISC VI 29 10 33 29.2–.43 5.64N–.03 125.67E–.04 134–3 4.7b 499 0-134
MAN VI 29 10 33 27.6 5.51N 125.68E 107 5.3b,4.4s **¶610699303**
DJA VI 29 10 33 28.1–.20 6N–2.0 126E–3.0 119–3 5.4b,5.4
IDC VI 29 10 33 29.5–.64 5.69N 125.57E 140–5 4.7,4.3b
NEIC VI 29 10 33 30.0–2.4 5.68N–.06 125.69E–.09 137–7 4.7b,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VI 30 07 53 32.2–2.0 5.37N 126.06E 0 4.0,4.0b ¶610789770
IDC Error ellipse: s-maj=201.1km s-min=32.5km az=70.0.

(260) East of Philippine Islands.

ISC V 28 00 06 48.9–1.5 6.2N–.20 128.0E–.10 35 3.2b 6 2-56
IDC V 28 00 06 44.7–2.6 5.98N 127.48E 0 3.5,3.5b **¶610685523**
ISC Event type ke.
IDC Error ellipse: s-maj=202.9km s-min=28.6km az=65.0.
ISC VI 11 06 09 06.3–2.2 5.13N–.07 128.1E–.10 10 10 3-8
MAN VI 11 06 09 13.8 4.80N 128.00E 6 4.6b,3.5L **¶615348158**
DJA VI 11 06 09 16.4–.60 4N–6.0 128E–5.0 10 5.1b,4.5
ISC Event type ke.

SEISMIC REGION 23.
Borneo-Sulawesi.

(261) Borneo.

ISC III 07 18 46 27.8–1.0 2.09S–.07 115.92E–.07 10 3.4b,3.2s 16 1-62
IDC III 07 18 46 24.8–1.6 2.29S 115.36E 0 3.4,3.3s **¶610545749**
DJA III 07 18 46 30.8–.30 2S–3.0 116E–3.0 10 4.9b,4.7
ISC Event type ke.
ISC III 26 09 30 47.5–.39 4.84N–.05 118.81E–.07 35 4.5b,3.5s 101 0-127
DJA III 26 09 30 45.4–.60 5N–4.0 119E–3.0 22–6 5.1b,5.0b **¶610435158**
NEIC III 26 09 30 48.3–1.3 4.93N–.08 118.78E–.09 34–5 4.6b,5.0b
IDC III 26 09 30 49.4–3.9 4.80N 118.73E 53–37 4.1L,4.0
ISC Event type se.

NEIC Event type se. Error ellipse: s-maj=15.7km s-min=8.0km az=47.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=31.5km s-min=13.1km az=61.0.
ISC IV 03 15 13 11.3–1.1 5.0N–.10 118.9E–.20 10 3.7b 14 5-56
IDC IV 03 15 13 08.6–1.4 7.00N 122.80E 0 3.7,3.7b ¶615346055
DJA IV 03 15 13 12.7–.60 5N–10 119E–6.0 13–7 4.7b,4.5b
ISC Event type ke.
ISC IV 26 12 22 20.5–.41 0.56N–.04 118.23E–.04 10 4.5b,3.0s 73 2-87
IDC IV 26 12 22 18.1–.76 0.48N 118.14E 0 4.2b,4.1 ¶610559260
NEIC IV 26 12 22 21.1–2.5 0.63N–.05 118.24E–.05 10–0 4.6b,4.1
DJA IV 26 12 22 23.1–1.7 1N–5.0 118E–4.0 15–14 4.3b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VI 24 17 23 44.4–2.6 0.87N 114.69E 0 3.5s,3.5
¶610789395
IDC Error ellipse: s-maj=349.2km s-min=27.4km az=56.0.

(262) Celebes Sea.

IDC I 02 14 42 32.5–1.8 5.34N 122.21E 0 3.9,3.9b
¶610236474
IDC Error ellipse: s-maj=233.2km s-min=24.2km az=62.0.
IDC I 04 19 03 28.8–3.9 2.17N 123.80E 0 3.8,3.8b
¶610236714
IDC Error ellipse: s-maj=200.3km s-min=34.5km az=83.0.
ISC I 04 19 30 14.1–.43 4.50N–.07 122.95E–.09 582 4.2b 59 3-89
NEIC I 04 19 30 14.9–1.2 4.5N–.10 122.9E–.10 582–12 4.4b ¶610236716
IDC I 04 19 30 15.5–1.3 4.46N 123.01E 603–16 4.3,3.3b
MAN I 04 19 31 14.2 6.87N 125.18E 32 4.2b,3.0L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.5km s-min=13.9km az=58.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=24.9km s-min=7.6km az=20.0.
ISC I 05 06 44 33.7–.31 3.60N–.04 122.63E–.06 550 4.5b 195 3-93
IDC I 05 06 44 35.5–.81 3.58N 122.75E 583–10 4.6,3.5b ¶609985366
NEIC I 05 06 44 35.7–1.3 3.63N–.09 122.69E–.07 569–9 4.7b,3.5b
DJA I 05 06 44 35.1–.30 4N–4.0 123E–3.0 557–3 5.8,5.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC I 07 04 19 27.8–1.9 3.08N 123.72E 0 3.4,3.4b
¶610236871
IDC Error ellipse: s-maj=204.7km s-min=27.2km az=63.0.
IDC I 08 13 19 01.6–4.3 2.82N 123.36E 0 3.3,3.3b
¶610236963
IDC Error ellipse: s-maj=224.4km s-min=34.6km az=84.0.
ISC I 10 06 13 47.7–.17 4.41N–.02 122.56E–.02 628–1 6.5b 3196 3-178
MAN I 10 06 13 44.6 4.29N 122.96E 661 7.2s,7.0b ¶614538632
BJI I 10 06 13 46.3–.00 4.41N 122.65E 620 6.8b,6.4b
KLM I 10 06 13 46 4.42N 122.98E 612 7.2b,6.4b
MOS I 10 06 13 46.3–.76 4.48N 122.61E 631 6.3b,6.4b
IDC I 10 06 13 47.7–.38 4.46N 122.58E 629–4 6.6,5.6b
DJA I 10 06 13 47.6–.10 4N–2.0 123E–1.0 629–2 7.6,7.2W
NEIC I 10 06 13 48.1–2.1 4.48N–.07 122.62E–.08 627–3 7.3,7.3
GCMT I 10 06 13 55.1–.10 4.57N–.01 122.78E–.01 622–1 7.3W,7.3
NEIC I 10 06 13 55 4.36N 122.71E 620 7.3W,7.3
NEIC I 10 06 14 05.6 4.49N 122.73E 611 7.3W,7.3
ISC Event type fe. Moment Tensor Solution. NP1:ϕs177.15033°,δ86.60802°,λ98.89662°. NP2:
ϕs287.85574°,δ9.51645°,λ20.96937°. Principal axes: T Plg47.6644°,Azm96.4952°
; N Plg8.8809°,Azm356.6197°; P Plg40.9605°,Azm258.8240°
MAN Event type fe. INTENSITY IV - DAVAO CITY; INTENSITY III - ILOILO CITY; KIAMBA
SOUTH COTABATO; CARAGA AND BOSTON DAVAO ORIENTAL; INTENSITY II -
GENERAL SANTOS CITY; CAGAYAN DE ORO CITY; LAKE SEBU POLOMOLOK
TAMBAKAN AND TUPI SOUTH COTABATO; MATI DAVAO ORIENTAL; BATARAZA
PALAWAN; ROSARIO AGUSAN DEL SUR; PAGADIAN CITY; INTENSITY I - BISLIG CITY.
MOS Error ellipse: s-maj=7.0km s-min=4.3km az=112.2.
IDC Error ellipse: s-maj=7.7km s-min=5.3km az=64.0.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=10.8km az=101.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{20}Nm; Mrr-0.08 Mθθ0.15 Mϕϕ-0.07 Mrθ0.08 Mθϕ0.15
Mϕr-0.99 NP1:ϕs177.45000°,δ89.99000°,λ97.84000°. NP2:ϕs267.50000°,δ7.84000°
,λ0.05000°. Principal axes: T 0.9193,Plg44.0000°,Azm95.0000°; N 0.1630,Plg8.0000°
,Azm357.0000°; P -1.0823,Plg44.0000°,Azm260.0000° M0 1.01000×10^{20}
GCMT nsta1 refers to body waves, cutoff=50s. nsta2 refers to mantle waves, cutoff=150s.
Triangular moment-rate function. Moment Tensor Solution. s167,c469; s165,c399;
Duration: 10s5 Moment tensor: Scale 10^{20}Nm; Mrr-0.07±.00 Mθθ0.14±.00; Mϕϕ-0.07±.00;
Mrθ0.07±.00; Mθϕ0.27±.00; Mϕr-0.97±.00; Best double couple: NP1:ϕs360.00000°,δ90.00000°
,λ-106.00000°. NP2:ϕs269.00000°,δ16.00000°,λ-1.00000°. Principal axes:
T 0.9210,Plg43.0000°,Azm105.0000°; N 0.1640,Plg16.0000°,Azm360.0000°
; P -1.0850,Plg43.0000°,Azm255.0000° M0 1.00300×10^{20}
NEIC Event type se. Moment Tensor Solution.Duration: 14s6 Moment tensor: Scale 10^{19}Nm;
Mrr-0.43 Mθθ1.86 Mϕϕ-1.43 Mrθ0.58 Mθϕ2.87 Mϕr-9.12 NP1:ϕs274.00000°,δ18.00000°
,λ3.00000°. NP2:ϕs182.00000°,δ89.00000°,λ108.00000°. Principal axes:
T 8.5771,Plg43.0000°,Azm109.0000°; N 1.9836,Plg18.0000°,Azm1.0000°
; P -10.5607,Plg41.0000°,Azm255.0000° M0 9.72000×10^{19}
NEIC Event type se. Moment Tensor Solution.Duration: 23s9 Moment tensor: Scale 10^{20}Nm;
Mrr0.00 Mθθ0.17 Mϕϕ-0.17 Mrθ0.08 Mθϕ0.32 Mϕr-0.95 NP1:ϕs180.14000°,δ87.80000°
,λ108.67000°. NP2:ϕs276.64000°,δ18.79000°,λ6.85000°. Principal axes:
T 0.9049,Plg44.0000°,Azm109.0000°; N 0.1987,Plg19.0000°,Azm359.0000°
; P -1.1036,Plg40.0000°,Azm253.0000° M0 1.00000×10^{20}
ISC I 10 06 25 43.3–.29 4.33N–.05 122.62E–.05 615 5.0b 200 3-137
MAN I 10 06 25 40.7 4.23N 122.87E 657 5.4b,4.6s ¶610237055
DJA I 10 06 25 40.8–.50 4N–11 123E–7.0 630 5.3,5.2
IDC I 10 06 25 44.0–.70 4.36N 122.61E 626–9 5.2,4.2b
NEIC I 10 06 25 44.5–1.4 4.33N–.09 122.63E–.09 624–8 5.1b,4.2b
ISC Event type fe.
MAN Event type fe. INTENSITY II - MATI DAVAO ORIENTAL.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC I 10 12 48 21.3–1.9 4.80N 122.20E 0 4.0,4.0b
¶610237081
IDC Error ellipse: s-maj=289.0km s-min=24.2km az=62.0.
ISC I 14 05 53 14.4–.49 4.42N–.09 122.1E–.10 650 4.0b 49 4-89
DJA I 14 05 53 04.8–.50 4N–11 122E–9.0 700 4.2,4.2 ¶610237338
IDC I 14 05 53 14.6–1.5 4.41N 122.11E 650–20 4.6,3.4b
NEIC I 14 05 53 14.2–1.8 4.49N–.09 122.1E–.10 638–10 4.2b,3.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DJA I 15 16 21 20.0–1.3 2N–4.0 121E–3.0 36–28 3.8b,3.7
¶615345260
IDC I 17 15 35 10.4–1.9 2.77N 123.81E 0 3.2,3.2b
¶610237607
IDC Error ellipse: s-maj=218.9km s-min=27.4km az=63.0.
IDC I 18 22 04 17.4–1.4 3.00N 124.48E 0 3.7,3.7b
¶610237687
IDC Error ellipse: s-maj=191.1km s-min=23.3km az=66.0.
IDC I 19 00 31 45.0–2.7 3.86N 123.95E 0 3.4,3.4b
¶610237694
IDC Error ellipse: s-maj=349.6km s-min=29.6km az=63.0.
ISC I 22 04 49 30.6–.74 4.32N–.08 124.7E–.20 300 4.1b 15 4-59
IDC I 22 04 49 31.1–4.4 4.29N 124.67E 312–52 4.6,3.8b ¶610235056
ISC Event type ke.
IDC Error ellipse: s-maj=28.4km s-min=12.4km az=79.0.
IDC I 24 11 15 35.8–2.4 4.51N 123.15E 0 3.5,3.5b
¶610235260
IDC Error ellipse: s-maj=340.4km s-min=26.2km az=63.0.
ISC I 25 22 37 58.5–1.8 4.7N–.90 123E–2.0 650 3.6b 8 27-55
IDC I 25 22 37 58.6–2.1 4.43N 122.73E 652–27 4.1,2.9b ¶610235347
ISC Event type ke.
IDC Error ellipse: s-maj=188.1km s-min=11.3km az=63.0.
IDC I 28 02 49 24.6–2.6 3.82N 123.93E 0 3.4,3.4b
¶610235530
IDC Error ellipse: s-maj=337.1km s-min=28.6km az=63.0.
IDC I 28 15 23 28.3–1.7 3.17N 122.35E 0 3.3,3.3b
¶610235569
IDC Error ellipse: s-maj=215.4km s-min=26.3km az=62.0.
IDC II 05 07 16 10.4–2.1 3.38N 124.94E 0 3.3,3.3b
¶610414864
IDC Error ellipse: s-maj=211.2km s-min=27.5km az=64.0.
ISC II 07 19 43 57.0–1.3 4.49N–.08 124.8E–.30 10 3.4b 8 2-56
MAN II 07 19 43 41.2 3.43N 125.10E 9 4.1b,2.9L ¶610415065
IDC II 07 19 43 56.8–2.4 3.99N 123.88E 0 3.4,3.4b
ISC Event type ke.
IDC Error ellipse: s-maj=271.8km s-min=30.3km az=63.0.
IDC II 08 06 01 41.1–1.9 2.26N 124.04E 0 3.4,3.4b
¶610415093
IDC Error ellipse: s-maj=208.0km s-min=27.5km az=63.0.
IDC II 09 06 22 54.8–2.1 4.39N 123.81E 0 3.7,3.7b
¶610415161
IDC Error ellipse: s-maj=231.4km s-min=26.0km az=63.0.
ISC II 10 17 06 56.7–.60 2.59N–.06 123.10E–.08 450 4.3b 39 3-64
IDC II 10 17 06 56.9–2.2 2.71N 123.07E 482–33 3.9,2.8b ¶610415247
NEIC II 10 17 06 57.9–1.5 2.5N–.10 123.0E–.10 468–12 4.5b,2.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC II 12 08 55 34.7–2.0 3.02N 124.58E 0 3.4,3.4b
¶610415365
IDC Error ellipse: s-maj=217.9km s-min=26.8km az=64.0.
ISC II 12 16 26 57.3–.49 4.01N–.05 124.40E–.07 339 4.3b 67 2-83
NEIC II 12 16 26 58.0–1.8 4.03N–.09 124.38E–.09 346–9 4.4b ¶610415389
IDC II 12 16 26 58.7–.97 4.02N 124.48E 360–13 4.4,3.5b
DJA II 12 16 27 09.0–.80 3N–6.0 125E–4.0 233–11 5.2b,4.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC II 13 05 02 50.9–2.0 2.28N 124.88E 0 3.6,3.6b
¶610415424
IDC Error ellipse: s-maj=173.1km s-min=27.5km az=64.0.
ISC II 14 00 47 10.8–.47 2.22N–.05 124.95E–.05 198 4.3b 83 2-72
NEIC II 14 00 47 12.5–1.5 2.31N–.09 124.96E–.05 216–10 4.4b ¶610208944
DJA II 14 00 47 13.3–.40 2N–4.0 125E–2.0 201–3 5.2b,4.8
IDC II 14 00 47 14.3–1.5 2.19N 124.98E 241–16 4.2,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.8km s-min=7.6km az=188.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=24.1km s-min=9.3km az=78.0.
IDC II 17 18 04 29.3–2.1 2.12N 122.93E 0 3.3,3.3b
¶610415718
IDC Error ellipse: s-maj=345.6km s-min=27.3km az=62.0.
ISC III 01 03 06 26.1–.82 2.6N–.10 122.2E–.20 550 3.3b 15 2-66
IDC III 01 03 06 27.0–2.5 2.53N 122.06E 563–32 3.8,2.8b ¶610545285
DJA III 01 03 07 15.9–.50 0N–7.0 122E–5.0 35–10 2.6,2.6
ISC Event type ke.
ISC III 01 03 06 31.6–1.1 2.5N–.20 122.1E–.40 559 3.4b 9 25-60
IDC III 01 03 06 31.8–2.5 2.50N 122.08E 560–34 3.8,2.8b ¶610545288
ISC Event type ke.
IDC Error ellipse: s-maj=38.8km s-min=14.4km az=73.0.
ISC III 01 04 35 12.0–.45 2.14N–.04 121.77E–.06 23–3 4.7b,3.4s 144 1-156
BJI III 01 04 35 03.2–.00 1.42N 122.14E 10 4.9b,4.7b ¶610242093
DJA III 01 04 35 09.8–.30 2N–3.0 122E–3.0 10 5.1b,4.8b
NEIC III 01 04 35 10.7–1.9 2.12N–.04 121.69E–.08 10–1 4.9b,4.8b
IDC III 01 04 35 14.2–.48 2.05N 121.78E 41–4 4.3,4.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.9km s-min=2.9km az=66.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=21.9km s-min=9.3km az=76.0.
IDC III 01 08 43 46.2–3.1 4.90N 124.55E 0 3.4,3.4b
¶610545307
IDC Error ellipse: s-maj=420.4km s-min=24.5km az=65.0.
IDC III 04 06 46 15.0–1.9 4.95N 122.82E 0 4.1,4.1b
¶610545501
IDC Error ellipse: s-maj=218.9km s-min=25.2km az=63.0.
IDC III 05 18 34 55.8–2.1 2.06N 124.87E 0 3.4,3.3b
¶610545602
IDC Error ellipse: s-maj=205.1km s-min=28.1km az=64.0.
IDC III 05 19 32 21.6–2.2 3.94N 123.27E 0 3.5,3.5b
¶610545604
IDC Error ellipse: s-maj=299.7km s-min=26.9km az=63.0.
IDC III 10 07 27 35.5–1.5 2.98N 123.42E 0 3.6,3.6b
¶610545933
IDC Error ellipse: s-maj=216.8km s-min=21.9km az=63.0.
IDC III 11 23 58 02.1–1.9 3.51N 124.15E 0 3.5,3.5b
¶610546042
IDC Error ellipse: s-maj=208.1km s-min=25.4km az=63.0.
IDC III 12 01 23 15.9–2.2 2.67N 123.20E 0 3.3,3.3b
¶610546050
IDC Error ellipse: s-maj=324.9km s-min=28.8km az=62.0.
IDC III 15 04 05 08.2–1.0 4.18N 121.62E 0 3.9,3.9b
¶610546235
IDC Error ellipse: s-maj=158.2km s-min=18.7km az=64.0.
IDC III 25 17 15 07.7–1.6 2.56N 123.22E 0 3.4,3.4b
¶610543657
IDC Error ellipse: s-maj=203.6km s-min=24.1km az=63.0.
ISC III 26 12 55 56.2–.57 3.27N–.09 122.6E–.10 550 4.2b 49 3-78
NEIC III 26 12 55 56.7–.98 3.33N–.06 122.5E–.10 549–10 4.3b ¶610543726
DJA III 26 12 55 56.5–.60 3N–10 123E–6.0 538–10 4.5b,4.3b
IDC III 26 12 55 57.5–1.6 3.34N 122.74E 566–18 4.1,3.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.6km s-min=4.7km az=70.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=32.4km s-min=8.9km az=71.0.
IDC III 26 20 58 16.7–10 3.37N 123.11E 499–131 3.5,2.6b
¶610543747
IDC Error ellipse: s-maj=272.5km s-min=38.1km az=62.0.
IDC III 26 20 59 43.7–1.5 2.31N 124.96E 0 3.7,3.6b
¶610543748
IDC Error ellipse: s-maj=191.8km s-min=22.8km az=64.0.
IDC IV 03 06 12 03.5–2.5 3.76N 123.97E 0 3.6,3.6b
¶610651806
IDC Error ellipse: s-maj=307.0km s-min=28.4km az=63.0.
ISC IV 03 12 11 20.5–.46 3.22N–.06 122.66E–.09 550 3.9b 67 3-119
NEIC IV 03 12 11 20.8–1.3 3.3N–.10 122.6E–.20 545–9 4.2b ¶610651840
DJA IV 03 12 11 21.3–.30 3N–3.0 123E–3.0 535–2 4.9b,4.3b
IDC IV 03 12 11 21.7–1.4 3.20N 122.65E 570–16 4.1,3.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=28.4km s-min=11.8km az=57.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=32.3km s-min=9.3km az=74.0.
ISC IV 04 10 04 42.3–.49 4.67N–.07 123.45E–.10 550 4.0b 69 2-164
MAN IV 04 10 04 39.4 3.85N 123.79E 536 4.4b,3.2L ¶610651902
NEIC IV 04 10 04 43.6–1.2 4.6N–.10 123.38E–.09 558–9 4.2b,3.2L
IDC IV 04 10 04 43.0–1.8 4.74N 123.63E 561–21 4.3,3.3b
ISC Event type se.

NEIC Event type se. Error ellipse: s-maj=22.9km s-min=9.1km az=203.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=57.2km s-min=9.0km az=66.0.
IDC IV 06 05 09 52.5–2.2 4.75N 124.04E 0 4.0,4.0b
¶610652052

IDC Error ellipse: s-maj=281.7km s-min=23.8km az=63.0.
ISC IV 13 23 44 29.6–.50 2.07N–.05 124.03E–.07 323 4.0b 59 2-82
NEIC IV 13 23 44 29.4–2.2 2.15N–.10 124.10E–.07 322–10 4.2b **¶610527972**
DJA IV 13 23 44 30.9–.30 2N–5.0 124E–4.0 322–4 5.2b,4.5
IDC IV 13 23 44 35.2–2.7 2.13N 124.02E 395–31 4.3,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.4km s-min=9.2km az=194.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=29.0km s-min=8.8km az=69.0.
ISC IV 15 08 46 54.0–1.4 2.8N–.20 124.6E–.10 250 3.4b 9 3-57
IDC IV 15 08 46 27.4–1.6 2.57N 123.94E 0 3.8,3.8b **¶610652784**
DJA IV 15 08 46 58.2–.90 2N–7.0 125E–3.0 252–10 4.1b,4.0
ISC Event type ke.
IDC IV 18 08 47 39.3–1.9 2.20N 124.59E 0 3.5,3.5b
¶610652970

IDC Error ellipse: s-maj=188.7km s-min=26.6km az=63.0.
ISC IV 20 01 21 58.7–.90 4.3N–.40 123.4E–.80 550 3.7b 14 26-84
IDC IV 20 01 21 59.9–1.7 4.25N 123.48E 563–19 4.0,3.1b **¶610653088**
ISC Event type ke.
IDC Error ellipse: s-maj=118.1km s-min=10.8km az=65.0.
IDC IV 20 07 20 46.8–1.9 5.39N 122.48E 0 3.5,3.5b
¶610653102

IDC Error ellipse: s-maj=247.5km s-min=25.7km az=62.0.
IDC IV 20 19 50 17.7–1.2 4.91N 122.80E 0 3.5,3.5b
¶610653131

IDC Error ellipse: s-maj=151.9km s-min=21.3km az=66.0.
IDC IV 21 08 22 17.2–2.5 4.43N 123.82E 0 3.8,3.8b
¶610653177

IDC Error ellipse: s-maj=300.6km s-min=28.3km az=63.0.
IDC IV 21 12 33 41.0–2.0 4.24N 123.73E 0 3.3,3.3b
¶610653197

IDC Error ellipse: s-maj=222.6km s-min=26.7km az=63.0.
IDC IV 22 12 03 57.6–2.3 4.52N 122.91E 0 3.3,3.3b
¶610653264

IDC Error ellipse: s-maj=316.0km s-min=28.6km az=63.0.
ISC IV 24 06 32 35.3–.70 4.5N–.10 122.6E–.20 615 3.7b 25 4-71
IDC IV 24 06 32 37.7–1.6 4.44N 122.59E 651–20 4.1,3.0b **¶610649862**
DJA IV 24 06 32 40.4–3.7 4N–30 123E–14 618–34 4.8b,4.2b
ISC Event type ke.
ISC IV 24 13 07 42.8–1.3 2.03N–.07 124.6E–.10 250 2.9b 11 2-58
IDC IV 24 13 07 15.1–1.7 2.08N 123.54E 0 3.2,3.2b **¶610649890**
DJA IV 24 13 07 45.5–1.0 2N–5.0 125E–8.0 202–12 6.0,5.9
ISC Event type ke.
ISC IV 27 18 34 29.9–1.1 2.21N–.10 123.98E–.10 350 3.3b 13 2-57
IDC IV 27 18 34 32.8–8.1 2.43N 124.34E 384–108 3.7,3.0b **¶610650154**
DJA IV 27 18 34 32.2–.70 2N–5.0 124E–4.0 307–7 3.9b,3.8
ISC Event type ke.
ISC IV 28 04 59 21.1–2.2 2.8N–.20 122.9E–.10 500 3.4b 16 2-39
IDC IV 28 04 59 18.0–35 2.65N 123.91E 399–219 3.9,3.0b **¶610650191**
DJA IV 28 04 59 18.2–.50 3N–6.0 123E–4.0 518–5 4.7b,4.0b
ISC Event type ke.
ISC IV 28 22 07 42.7–.65 4.55N–.04 124.62E–.07 35 4.2b 47 1-65
IDC IV 28 22 07 37.5–1.2 4.33N 124.27E 0 4.4L,4.0 **¶610650260**
DJA IV 28 22 07 40.8–.50 5N–4.0 125E–3.0 10 6.8,6.6
MAN IV 28 22 07 43.6 4.80N 124.55E 21 4.5b,3.3L
NEIC IV 28 22 07 43.3–2.7 4.52N–.06 124.67E–.08 35–7 4.4b,3.3L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 01 15 11 29.4–1.1 3.54N–.09 123.37E–.09 10 3.7b 11 2-66
DJA V 01 15 11 27.8–1.0 4N–10 123E–5.0 10 4.0b,3.9 **¶610689321**
IDC V 01 15 11 28.7–2.1 3.60N 123.84E 0 3.6,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=317.6km s-min=23.3km az=63.0.
IDC V 06 07 20 19.1–2.4 4.45N 123.58E 0 3.9,3.9b
¶610689650

IDC Error ellipse: s-maj=295.1km s-min=28.3km az=63.0.
ISC V 08 08 33 05.2–.31 3.09N–.04 124.78E–.05 300 4.3b 172 1-121
NEIC V 08 08 33 04.8–1.4 3.10N–.07 124.72E–.08 288–8 4.4b **¶610617968**
DJA V 08 08 33 05.2–.20 3N–2.0 125E–2.0 288–2 7.1,6.9
IDC V 08 08 33 05.1–1.3 3.08N 124.66E 297–13 4.5,3.9b
MAN V 08 08 33 05.2 3.16N 124.86E 295 5.4b,4.5s
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.4km s-min=9.5km az=72.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=14.6km s-min=7.8km az=75.0.
IDC V 08 13 45 54.8–2.1 4.37N 123.34E 0 3.9,3.9b
¶610689796

IDC Error ellipse: s-maj=291.3km s-min=24.2km az=63.0.
IDC V 13 23 03 14.5–9.8 3.61N 123.65E 524–122 4.0,3.1b
¶610690221

IDC Error ellipse: s-maj=228.7km s-min=30.7km az=61.0.
IDC V 19 23 18 53.9–2.0 3.79N 124.16E 0 3.6,3.6b
¶610690706

IDC Error ellipse: s-maj=195.6km s-min=27.4km az=63.0.
ISC VI 01 03 34 24.6–.65 2.05N–.07 122.98E–.10 450 3.9b 25 1-60
IDC VI 01 03 34 19.7–17 2.07N 122.69E 383–218 4.2,3.4b **¶610791032**
DJA VI 01 03 34 25.3–.60 2N–8.0 123E–4.0 416–4 5.0b,4.3
ISC Event type ke.
ISC VI 01 21 37 06.8–1.2 4.20N–.03 124.69E–.06 35 20 1-6
MAN VI 01 21 37 06.9 4.29N 124.57E 32 4.5b,3.3L **¶615347324**
DJA VI 01 21 37 09.3–1.0 4N–13 125E–5.0 10–12 5.1b,4.5
ISC Event type ke.
IDC VI 02 00 43 15.3–2.5 4.87N 124.10E 0 3.9,3.9b
¶610791073

IDC Error ellipse: s-maj=310.3km s-min=25.0km az=64.0.
IDC VI 03 02 30 05.8–2.0 4.35N 124.70E 0 3.7,3.7b
¶610791140

IDC Error ellipse: s-maj=205.2km s-min=25.0km az=64.0.
IDC VI 03 07 53 17.5–28 2.70N 122.68E 416–357 3.6,2.8s
¶610791162

IDC Error ellipse: s-maj=280.9km s-min=54.0km az=60.0.
IDC VI 04 02 46 43.8–1.8 2.82N 122.50E 0 3.3,3.3b
¶610791206

IDC Error ellipse: s-maj=215.6km s-min=28.0km az=62.0.
IDC VI 08 09 25 14.0–2.0 3.53N 124.81E 0 3.5,3.5b
¶610791455

IDC Error ellipse: s-maj=241.4km s-min=24.5km az=65.0.
IDC VI 09 07 35 48.6–1.7 3.95N 122.82E 0 3.8,3.8b
¶610791511

IDC Error ellipse: s-maj=213.2km s-min=24.4km az=63.0.
IDC VI 11 17 25 44.5–1.7 3.99N 124.35E 0 3.5,3.5b
¶610791662

IDC Error ellipse: s-maj=243.0km s-min=21.7km az=65.0.
IDC VI 11 20 47 43.2–1.9 3.45N 122.25E 0 3.5,3.5b
¶610791677

IDC Error ellipse: s-maj=301.1km s-min=25.4km az=62.0.
MAN VI 12 04 17 56.2 4.82N 124.67E 21 4.7b,3.6L
¶617049749

ISC VI 13 13 39 12.7–.59 2.13N–.06 123.81E–.07 350 4.1b 56 2-69
IDC VI 13 13 39 10.5–8.1 2.21N 124.01E 323–87 4.3,3.6b **¶610791780**
DJA VI 13 13 39 13.8–.40 2N–5.0 124E–3.0 342–4 4.4b,4.2b
NEIC VI 13 13 39 13.1–1.8 2.06N–.10 123.79E–.04 346–10 4.2b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VI 14 12 16 56.1–1.9 4.08N 124.74E 0 3.6s,3.6
¶610791864

IDC Error ellipse: s-maj=201.8km s-min=23.9km az=64.0.
ISC VI 17 15 22 16.4–.73 2.22N–.06 124.45E–.09 268 3.5b 26 2-58
IDC VI 17 15 22 16.6–8.4 2.23N 124.46E 277–90 3.8,3.2b **¶610792066**
DJA VI 17 15 22 18.0–.80 2N–5.0 124E–4.0 273–7 3.6,3.6
ISC Event type ke.
IDC VI 19 11 38 00.3–1.9 5.21N 122.26E 0 3.6,3.6b
¶610792188

IDC Error ellipse: s-maj=233.2km s-min=26.4km az=62.0.
ISC VI 26 04 55 36.4–1.0 3.09N–.06 124.86E–.09 250 3.3b 17 1-57
IDC VI 26 04 55 09.2–1.7 2.81N 123.59E 0 3.7,3.7b **¶610789481**
DJA VI 26 04 55 37.9–1.0 3N–8.0 125E–4.0 257–8 5.3b,4.7
ISC Event type ke.
IDC VI 28 17 02 52.9–1.9 3.04N 123.71E 0 3.3,3.3b
¶610789655

IDC Error ellipse: s-maj=229.1km s-min=26.2km az=63.0.
IDC VI 30 16 46 06.3–1.7 3.91N 124.92E 0 3.9,3.9b
MAN VI 30 16 46 41.2 3.30N 125.21E 136 4.7b,3.6L **¶610789802**
IDC Error ellipse: s-maj=106.9km s-min=20.5km az=59.0.

(263) Talaud Islands.

IDC I 01 04 23 13.4–1.2 2.34N 125.64E 0 3.6s,3.6
¶610236352

IDC Error ellipse: s-maj=145.6km s-min=19.8km az=67.0.
IDC I 02 02 50 42.9–2.6 4.41N 127.10E 0 3.6,3.6b
¶610236433

IDC Error ellipse: s-maj=209.7km s-min=27.2km az=66.0.
ISC I 02 17 51 51.3–.61 4.71N–.05 127.56E–.08 104 4.0b 73 2-63
MAN I 02 17 51 50.4 5.02N 127.73E 44 5.1b,4.1s **¶610236496**
IDC I 02 17 51 51.0–1.8 4.55N 127.45E 93–16 4.0,3.6b
DJA I 02 17 51 51.1–1.2 5N–3.0 128E–3.0 30–13 5.0b,4.6
NEIC I 02 17 51 52.6–1.5 4.50N–.04 127.52E–.09 101–11 4.2b,4.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC I 02 18 59 39.2–2.1 4.32N 126.92E 0 3.6,3.6b
¶610236502

IDC Error ellipse: s-maj=160.0km s-min=28.3km az=65.0.
ISC I 03 19 39 07.8–.63 3.79N–.05 125.77E–.09 107 4.1b 25 2-80
IDC I 03 19 38 55.5–1.4 3.93N 126.15E 0 4.0s,3.6 **¶610236577**
NEIC I 03 19 39 05.4–.65 3.86N–.07 125.81E–.10 74–13 4.5b,3.6
MAN I 03 19 39 08.4 4.10N 126.32E 9 4.4b,3.2L
ISC Event type se.
IDC Error ellipse: s-maj=174.6km s-min=21.0km az=65.0.
NEIC Event type se. Error ellipse: s-maj=13.9km s-min=10.0km az=85.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC I 04 00 33 20.2–2.2 2.19N 125.64E 0 3.2,3.2b
¶610236647

IDC Error ellipse: s-maj=193.4km s-min=28.9km az=65.0.
IDC I 04 17 14 05.6–11 4.60N 126.43E 300–113 3.3,2.6b
¶610236710

IDC Error ellipse: s-maj=207.5km s-min=25.7km az=64.0.
ISC I 05 01 31 41.8–.41 3.28N–.04 127.97E–.06 84 4.5b 82 3-121
MAN I 05 01 31 40.0 3.04N 127.37E 14 5.1b,3.7L **¶609985355**
IDC I 05 01 31 42.4–2.3 3.37N 128.03E 87–21 4.3,3.9b
NEIC I 05 01 31 42.6–1.6 3.35N–.09 127.94E–.05 82–11 4.6b,3.9b
DJA I 05 01 31 43.1–.30 3N–3.0 128E–3.0 104–8 5.1b,4.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC I 05 19 16 14.4–1.7 3.48N 127.89E 0 4.1s,3.4
¶610236791

IDC Error ellipse: s-maj=104.8km s-min=23.5km az=63.0.
IDC I 06 12 50 38.0–1.5 3.42N 127.64E 0 3.4,3.4b
¶610236831

IDC Error ellipse: s-maj=137.7km s-min=22.3km az=69.0.
ISC I 07 13 26 40.6–1.2 4.7N–.30 125.1E–.40 35 3.3b 6 26-56
IDC I 07 13 26 35.3–1.3 4.78N 125.09E 0 3.7,3.7b **¶610236902**
ISC Event type ke.
IDC Error ellipse: s-maj=92.4km s-min=18.0km az=63.0.
ISC I 08 07 47 22.8–.41 4.11N–.05 126.83E–.08 10 4.5b,3.5s 70 3-92
IDC I 08 07 47 20.7–.59 4.13N 126.74E 0 4.2,4.2b **¶610049682**
NEIC I 08 07 47 24.4–.93 4.19N–.07 126.84E–.09 21–4 4.5b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC I 10 23 32 01.5–1.9 4.06N 126.54E 0 3.7,3.7b
¶610237111

IDC Error ellipse: s-maj=192.4km s-min=22.3km az=65.0.
ISC I 13 21 48 10.1–.75 3.13N–.09 126.9E–.10 35 4.1b 25 2-68
IDC I 13 21 48 06.5–1.8 2.67N 125.92E 0 3.9,3.9b **¶610237314**
NEIC I 13 21 48 13.3–1.3 3.05N–.10 126.8E–.10 58–9 4.1b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC I 14 16 35 51.8–2.1 3.18N 125.93E 0 3.2,3.2b
¶610237365

IDC Error ellipse: s-maj=180.4km s-min=27.5km az=65.0.
IDC I 16 23 12 51.7–1.8 2.39N 125.82E 0 3.6s,3.6
¶610237545

IDC Error ellipse: s-maj=209.6km s-min=21.5km az=66.0.
ISC I 17 19 05 51.8–.66 3.98N–.08 126.9E–.10 50 4.0b,3.1s 24 3-81
MAN I 17 19 05 37.0 3.62N 127.42E 4 4.4b,3.3L **¶610237616**
IDC I 17 19 05 44.3–1.3 4.17N 126.66E 0 3.8,3.7b
NEIC I 17 19 05 52.7–2.1 3.9N–.10 126.81E–.06 62–12 4.1b,3.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 17 19 47 22.7–.79 3.9N–.10 126.4E–.30 50 3.6b 13 2-85
IDC I 17 19 47 15.3–.90 4.06N 126.32E 0 3.6,3.6b **¶610237619**
MAN I 17 19 47 20.9 3.74N 126.03E 6 4.3b,3.1L
ISC Event type ke.
IDC Error ellipse: s-maj=69.7km s-min=17.3km az=66.0.
IDC I 17 20 48 14.3–1.9 3.15N 127.41E 0 3.4,3.4b
¶610237621

IDC Error ellipse: s-maj=166.9km s-min=21.8km az=67.0.
IDC I 17 21 43 30.2–1.7 4.14N 126.68E 0 3.7,3.7b
¶610237626

IDC Error ellipse: s-maj=162.3km s-min=21.0km az=66.0.
ISC I 18 04 32 21.8–.53 2.72N–.05 125.58E–.08 150 4.0b 46 1-92
NEIC I 18 04 32 15.9–1.6 2.5N–.10 124.9E–.10 85–8 4.3b **¶610237640**
IDC I 18 04 32 16.9–4.2 2.59N 124.96E 99–38 4.2,3.9b
DJA I 18 04 32 22.5–1.5 2N–3.0 126E–3.0 23–15 5.5b,4.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 18 23 17 57.6–.41 4.15N–.04 126.80E–.05 10 4.4b,3.1s 92 1-98
MAN I 18 23 17 54.8 3.61N 126.57E 2 4.5b,3.4L **¶610101665**
IDC I 18 23 17 55.8–.72 4.09N 126.58E 0 4.1,4.1b
DJA I 18 23 17 58.0–2.7 4N–4.0 127E–3.0 11–22 6.4,5.8
NEIC I 18 23 18 00.3–1.6 4.15N–.04 126.84E–.09 25–5 4.6b,5.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 20 04 08 32.0–1.2 3.02N–.10 125.94E–.08 10 4.2b 10 1-38
IDC I 20 04 08 27.1–10 3.71N 127.06E 0 4.3,4.3b **¶610234913**

DJA I 20 04 08 32.8–.50 3N–5.0 126E–4.0 10 5.4b,4.9
ISC Event type ke.
ISC I 20 17 13 14.1–1.3 4.24N–.08 125.9E–.10 10 3.1b 16 2-57
IDC I 20 17 13 10.6–2.2 3.92N 124.51E 0 3.1,3.1b **¶610234950**
MAN I 20 17 13 17.8 4.53N 126.05E 16 4.0b,2.8L
ISC Event type ke.
IDC Error ellipse: s-maj=212.7km s-min=29.2km az=64.0.
ISC I 20 17 37 05.8–1.0 4.0N–.30 127.6E–.40 100 3.3b 7 6-62
IDC I 20 17 37 07.1–5.2 4.06N 127.78E 117–61 3.6,3.1b **¶610234952**
ISC Event type ke.
IDC Error ellipse: s-maj=117.3km s-min=19.0km az=71.0.
IDC I 20 20 46 47.8–2.2 4.34N 127.46E 0 3.6,3.6b
¶610234959
IDC Error ellipse: s-maj=157.6km s-min=28.0km az=65.0.
IDC I 21 21 58 56.2–2.5 3.94N 126.22E 0 3.7s,3.1
¶610235027
IDC Error ellipse: s-maj=210.4km s-min=30.1km az=65.0.
ISC I 22 10 57 11.6–.32 3.18N–.04 126.84E–.06 35 4.6b 151 1-123
MAN I 22 10 57 09.0 2.99N 126.87E 51 5.0b,3.9L **¶610105074**
DJA I 22 10 57 10.3–.70 3N–7.0 127E–5.0 10 5.0b,4.8b
NEIC I 22 10 57 14.4–1.5 3.17N–.08 126.8E–.10 61–8 4.6b,4.8b
IDC I 22 10 57 14.7–1.4 3.08N 126.75E 70–13 4.4,4.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.8km s-min=10.3km az=68.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=15.7km s-min=7.3km az=72.0.
ISC I 22 11 41 28.1–.51 3.15N–.08 126.8E–.10 44 4.3b 40 2-123
NEIC I 22 11 41 28.7–2.3 3.14N–.04 126.77E–.10 48–8 4.4b **¶610235105**
IDC I 22 11 41 28.6–4.6 3.06N 126.67E 53–45 4.1,3.9L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.1km s-min=4.7km az=78.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=40.7km s-min=15.4km az=69.0.
ISC I 22 14 09 37.4–1.2 2.4N–.20 125.8E–.60 100 3.6b 6 24-71
IDC I 22 14 09 25.7–1.0 2.35N 125.37E 0 3.7,3.7b **¶610235113**
ISC Event type ke.
IDC Error ellipse: s-maj=81.8km s-min=18.9km az=71.0.
ISC I 22 19 49 27.1–.39 3.17N–.05 126.88E–.06 44 4.5b,3.3s 80 1-92
IDC I 22 19 49 21.1–.61 3.13N 126.79E 0 4.2,4.2b **¶610105254**
DJA I 22 19 49 27.1–.70 3N–7.0 127E–5.0 10 4.8b,4.5b
NEIC I 22 19 49 28.6–2.4 3.11N–.08 126.87E–.08 58–8 4.6b,4.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 23 03 06 11.4–.94 4.3N–.10 127.1E–.20 10 3.7b 11 3-57
IDC I 23 03 06 10.1–1.3 3.89N 126.00E 0 3.7,3.7b **¶610235155**
MAN I 23 03 06 13.4 4.44N 127.12E 22 4.5b,3.4L
ISC Event type ke.
IDC Error ellipse: s-maj=146.7km s-min=19.9km az=67.0.
IDC I 23 08 41 18.4–2.0 3.08N 125.23E 0 3.4,3.4b
¶610235177
IDC Error ellipse: s-maj=208.4km s-min=25.4km az=64.0.
IDC I 23 11 20 30.5–2.0 2.43N 125.30E 0 3.5s,3.3
¶610235187
IDC Error ellipse: s-maj=187.3km s-min=26.6km az=65.0.
ISC I 23 15 09 09.7–.59 4.83N–.06 127.51E–.08 108 4.2b 56 2-84
MAN I 23 15 09 07.8 5.05N 127.46E 4 4.1b,2.9L **¶610235204**
DJA I 23 15 09 10.9–.60 5N–5.0 127E–4.0 108–19 4.8b,4.4
NEIC I 23 15 09 10.9–.68 4.8N–.10 127.6E–.10 107–9 4.3b,4.4
IDC I 23 15 09 11.6–4.0 4.85N 127.72E 118–38 3.9,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.6km s-min=13.3km az=59.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=43.5km s-min=16.7km az=77.0.
ISC I 24 07 24 20.7–.93 2.4N–.10 125.1E–.20 35 4.0b 16 4-72
IDC I 24 07 24 15.4–1.2 2.56N 125.51E 0 3.8,3.8b **¶610235249**
NEIC I 24 07 24 25.2–1.4 2.2N–.10 124.8E–.20 66–12 4.3b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 25 07 41 38.7–.55 3.19N–.08 126.9E–.10 100 4.2b 37 2-90
IDC I 25 07 41 26.8–.67 3.06N 126.63E 0 4.2,4.2b **¶610235309**
NEIC I 25 07 41 38.4–1.4 3.25N–.10 127.3E–.10 97–7 4.3b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC I 26 14 55 27.7–2.5 4.11N 126.89E 0 3.3,3.3b
¶610235392
IDC Error ellipse: s-maj=188.2km s-min=30.4km az=66.0.
ISC I 27 00 22 09.0–.78 2.2N–.10 125.7E–.20 41 4.2b 25 2-83
IDC I 27 00 22 03.0–1.4 2.21N 125.67E 0 3.9,3.9b **¶610235421**
NEIC I 27 00 22 10.1–1.4 2.2N–.10 125.7E–.20 47–8 4.2b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 29 04 50 17.7–.52 3.48N–.05 126.90E–.06 100 4.2b 50 1-85
MAN I 29 04 50 14.9 3.62N 127.21E 33 4.6b,3.5L **¶610235614**
NEIC I 29 04 50 15.2–1.8 3.64N–.07 126.98E–.06 72–9 4.2b,3.5L
DJA I 29 04 50 16.9–.40 3N–4.0 127E–3.0 70–7 5.2b,4.7b
IDC I 29 04 50 17.1–3.8 3.47N 126.96E 83–37 4.1,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.9km s-min=4.6km az=216.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=34.4km s-min=17.3km az=67.0.
ISC I 29 22 05 35.4–1.3 3.9N–.10 125.7E–.30 100 3.1b 6 2-57
IDC I 29 22 05 22.3–2.4 4.31N 126.21E 0 3.4,3.4b **¶610235674**
MAN I 29 22 05 36.3 3.96N 125.78E 35 4.3b,3.1L
ISC Event type ke.
IDC Error ellipse: s-maj=205.1km s-min=27.9km az=65.0.
IDC II 01 10 42 06.5–1.9 3.22N 126.69E 0 3.8,3.8b
¶610414607
IDC Error ellipse: s-maj=166.8km s-min=23.3km az=66.0.
ISC II 02 18 57 14.3–.64 4.12N–.05 126.64E–.09 35 4.1b 37 2-91
IDC II 02 18 57 08.9–1.3 4.44N 126.89E 0 3.8,3.7b **¶610414692**
NEIC II 02 18 57 14.1–1.2 4.22N–.05 126.83E–.08 35–2 4.1b,3.7b
MAN II 02 18 57 22.0 4.73N 126.00E 1 4.6b,3.5L
ISC Event type se.
IDC Error ellipse: s-maj=114.9km s-min=20.7km az=64.0.
NEIC Event type se. Error ellipse: s-maj=14.4km s-min=7.5km az=107.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 02 20 10 59.2–.57 3.10N–.06 126.61E–.09 63 4.0b 37 2-87
IDC II 02 20 10 50.7–.81 3.05N 126.32E 0 3.8,3.8b **¶610414696**
NEIC II 02 20 10 59.0–1.6 3.12N–.10 126.65E–.08 56–5 4.3b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC II 03 04 25 15.9–2.6 3.51N 127.61E 0 3.3,3.3b
¶610414714
IDC Error ellipse: s-maj=211.6km s-min=26.6km az=67.0.
IDC II 03 20 39 48.2–40 4.82N 127.15E 0 3.7,3.7b
¶610414766
IDC Error ellipse: s-maj=667.1km s-min=199.6km az=159.0.
IDC II 04 18 08 21.4–2.1 4.08N 126.13E 0 3.6,3.6b
¶610414831
IDC Error ellipse: s-maj=180.1km s-min=27.9km az=65.0.
IDC II 06 01 28 34.1–2.2 2.10N 125.90E 0 3.4,3.4b
¶610414919
IDC Error ellipse: s-maj=191.5km s-min=28.6km az=65.0.
IDC II 07 03 54 06.6–1.9 2.14N 125.99E 0 3.6,3.6b
¶610415010
IDC Error ellipse: s-maj=174.2km s-min=24.8km az=64.0.
ISC II 13 03 40 23.0–.55 3.28N–.05 125.61E–.09 150 4.0b 43 0-83
IDC II 13 03 40 06.6–.95 3.16N 125.01E 0 3.8,3.8b **¶610415420**
NEIC II 13 03 40 24.3–1.3 3.3N–.10 125.60E–.09 160–9 4.3b,3.8b
DJA II 13 03 40 30.3–.40 3N–3.0 126E–4.0 10 6.1b,5.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 14 20 47 25.1–.47 3.83N–.03 126.75E–.05 60–4 4.8b 253 1-161
IDC II 14 20 47 17.3–.45 3.83N 126.59E 0 4.6b,4.5 **¶611831805**
DJA II 14 20 47 21.9–.70 4N–4.0 127E–3.0 39–6 5.2b,5.0
BJI II 14 20 47 24.0–.00 3.90N 126.90E 70 5.0b,4.6b
MAN II 14 20 47 26.1 3.90N 126.23E 7 4.9b,3.8L
NEIC II 14 20 47 26.6–2.5 3.70N–.07 126.76E–.09 75–7 4.9b,3.8L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC II 15 11 07 14.6–1.9 3.76N 126.51E 0 3.7,3.7b
¶610415559
IDC Error ellipse: s-maj=153.8km s-min=25.1km az=65.0.
IDC II 15 13 13 44.6–1.9 3.98N 126.98E 0 3.7,3.7b
¶610415567
IDC Error ellipse: s-maj=153.4km s-min=25.3km az=65.0.
ISC II 15 14 07 29.3–.35 3.90N–.03 126.76E–.05 46–3 4.9b,4.0s 549 3-157
BJI II 15 14 07 21.8–.00 3.45N 126.83E 30 4.9b,4.7b **¶611831822**
IDC II 15 14 07 22.6–.41 3.93N 126.69E 0 4.7,4.7b
MOS II 15 14 07 25.1–.91 3.92N 126.70E 27 5.1b,4.7b
MAN II 15 14 07 29.9 3.68N 126.42E 94 5.4b,4.5s
NEIC II 15 14 07 29.5–1.6 3.92N–.06 126.81E–.03 45–7 5.0b,4.5s
GCMT II 15 14 07 29.5–.40 4.12N–.03 126.84E–.02 26–1 4.9W,4.5s
DJA II 15 14 07 31.5–.40 4N–3.0 127E–2.0 60–3 5.4b,5.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function. Moment Tensor Solution. s33,c38; s53,c73;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}2.27±.18 $M_{\theta\theta}$0.32±.11; $M_{\phi\phi}$-2.59±.12; $M_{r\theta}$-1.23±.27;
$M_{\theta\phi}$0.50±.08; $M_{\phi r}$-0.22±.19; Best double couple: NP1:ϕ_s195.00000°,δ51.00000°,λ125.00000°.
NP2:ϕ_s326.00000°,δ51.00000°,λ55.00000°. Principal axes: T 2.8970,Plg63.0000°
,Azm170.0000°; N -0.2210,Plg27.0000°,Azm351.0000°; P -2.6740,Plg0.0000°
,Azm261.0000° $M_0$2.78600×10^{16}
ISC II 16 10 45 05.3–.62 3.98N–.08 126.7E–.10 10 4.3b,3.8s 36 3-96
IDC II 16 10 45 03.7–.91 3.83N 126.45E 0 4.3L,4.1 **¶610415627**
NEIC II 16 10 45 10.9–.95 3.8N–.10 126.69E–.03 40–11 4.5b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 16 13 45 04.7–.89 4.8N–.10 127.8E–.10 100 3.6b 10 3-57
IDC II 16 13 45 04.5–4.9 4.53N 127.50E 92–48 3.8,3.5s **¶610415635**
ISC Event type ke.
IDC Error ellipse: s-maj=50.8km s-min=20.7km az=82.0.
ISC II 17 00 17 30.4–.52 3.77N–.07 126.80E–.10 36 4.2b,3.3s 41 3-99
IDC II 17 00 17 24.9–.75 3.77N 126.72E 0 4.1L,4.0 **¶610415657**
NEIC II 17 00 17 30.6–1.0 3.87N–.09 126.88E–.05 35–10 4.4b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC II 17 20 56 39.1–2.5 3.97N 126.68E 0 3.3,3.3b
¶610415723
IDC Error ellipse: s-maj=209.1km s-min=28.8km az=66.0.
IDC II 17 21 15 57.2–1.2 2.51N 125.49E 0 3.6,3.6b
¶610415724
IDC Error ellipse: s-maj=76.3km s-min=21.4km az=59.0.
ISC II 17 21 33 15.0–.41 3.82N–.04 126.77E–.05 66–3 4.6b 202 1-123
MAN II 17 21 32 57.8 2.79N 126.80E 10 5.6b,4.9s **¶610228735**
DJA II 17 21 33 12.7–.40 4N–3.0 127E–3.0 48–4 5.2,5.1b
IDC II 17 21 33 15.2–1.4 3.96N 126.97E 71–12 4.2,3.9s
NEIC II 17 21 33 15.1–1.5 3.80N–.05 126.75E–.05 66–7 4.8b,3.9s
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC II 17 23 24 55.6–2.0 3.90N 126.65E 0 3.5,3.5b
¶610415728
IDC Error ellipse: s-maj=163.6km s-min=26.7km az=65.0.
ISC II 17 23 26 02.8–.95 3.84N–.09 126.9E–.10 36 4.1b 15 3-58
IDC II 17 23 25 59.7–1.8 3.94N 126.72E 0 3.8,3.8b **¶610415729**
NEIC II 17 23 25 59.7–1.9 3.80N–.09 126.90E–.07 10–2 4.2b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 18 03 55 48.9–1.1 3.2N–.20 125.3E–.60 35 3.9b 5 4-57
IDC II 18 03 55 42.3–1.8 3.84N 126.52E 0 4.0,4.0b **¶610415743**
ISC Event type ke.
IDC Error ellipse: s-maj=151.0km s-min=23.3km az=64.0.
ISC II 18 11 24 04.7–.62 4.01N–.07 126.85E–.06 36 4.5b 41 1-92
DJA II 18 11 24 03.8–1.4 4N–18 127E–7.0 31–39 4.8b,4.1b **¶610415758**
IDC II 18 11 24 05.4–3.9 3.90N 126.73E 47–42 4.3,4.0b
NEIC II 18 11 24 05.4–.77 4.0N–.10 126.82E–.08 41–8 4.5b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 22 05 31 44.8–.31 4.73N–.03 127.51E–.04 70–2 5.1b 833 2-169
MOS II 22 05 31 40.0–.83 4.83N 127.56E 38 5.5b **¶610239523**
BJI II 22 05 31 41.3–.00 4.47N 127.69E 76 5.2b,5.2b
MAN II 22 05 31 41.1 4.45N 127.49E 74 5.4b,4.7s
IDC II 22 05 31 42.9–1.0 4.77N 127.64E 53–8 5.0,4.7b
GCMT II 22 05 31 44.4–.30 4.98N–.02 127.37E–.02 42–1 5.0W,4.7b
NEIC II 22 05 31 44.4–2.0 4.77N–.07 127.59E–.03 65–5 5.1b,4.7b
DJA II 22 05 31 46.8–.30 5N–3.0 127E–2.0 73–3 5.5b,5.3
ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function. Moment Tensor Solution. s51,c59; s77,c88;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}3.45±.17 $M_{\theta\theta}$-0.20±.12; $M_{\phi\phi}$-3.25±.12; $M_{r\theta}$1.16±.11;
$M_{\theta\phi}$1.62±.08; $M_{\phi r}$0.46±.12; Best double couple: NP1:ϕ_s138.00000°,δ49.00000°,λ63.00000°.
NP2:ϕ_s356.00000°,δ48.00000°,λ118.00000°. Principal axes: T 3.9060,Plg70.0000°
,Azm337.0000°; N 0.0450,Plg20.0000°,Azm156.0000°; P -3.9500,Plg0.0000°,Azm247.0000°
$M_0$3.92800×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC II 24 10 50 05.5–30 4.39N 127.11E 0 3.7,3.7b
¶610384931
IDC Error ellipse: s-maj=506.8km s-min=151.7km az=161.0.
IDC II 26 23 11 52.8–2.0 4.52N 126.84E 0 3.5,3.5b
¶610385085
IDC Error ellipse: s-maj=157.1km s-min=25.9km az=65.0.
ISC II 27 00 03 18.4–.31 3.31N–.03 126.84E–.05 73 4.9b 197 1-123
BJI II 27 00 03 14.3–.00 2.92N 126.97E 82 4.9b,4.7b **¶610241561**
MAN II 27 00 03 16.1 3.36N 126.88E 96 5.0b,4.0s
IDC II 27 00 03 17.7–2.3 3.27N 126.79E 66–19 4.8,4.5b
NEIC II 27 00 03 18.8–1.4 3.29N–.05 126.86E–.08 73–7 4.9b,4.5b
DJA II 27 00 03 19.1–.30 3N–2.0 127E–3.0 51–7 5.2b,4.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC III 01 10 09 29.6–2.8 3.78N 126.16E 0 3.2,3.2b
¶610545316
IDC Error ellipse: s-maj=268.4km s-min=28.8km az=65.0.

MAN III 05 15 11 55.9 4.46N 126.02E 4 4.1b,2.9L
¶616058418
ISC III 08 10 06 45.6–.65 4.03N–.04 126.25E–.07 56–5 4.4b,4.3s 103 2-122
MAN III 08 10 06 42.4 4.02N 125.96E 1 4.9b,3.9s ¶610274474
NEIC III 08 10 06 45.6–1.6 4.07N–.05 126.25E–.07 53–8 4.5b,3.9s
IDC III 08 10 06 45.7–1.9 4.05N 125.98E 56–16 4.3,4.3L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=6.6km az=107.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=24.5km s-min=9.1km az=77.0.
ISC III 09 17 38 37.5–1.2 3.9N–.10 126.8E–.30 36 3.4b 10 3-90
IDC III 09 17 38 31.2–1.3 4.35N 127.38E 0 3.6,3.6b ¶610545888
MAN III 09 17 38 38.7 3.66N 126.13E 134 4.5b,3.4L
ISC Event type ke.
IDC Error ellipse: s-maj=82.5km s-min=20.2km az=66.0.
IDC III 13 15 37 27.1–5.2 3.79N 127.99E 136–66 3.8s,3.6
¶610546148
IDC Error ellipse: s-maj=150.0km s-min=21.5km az=69.0.
DJA III 15 16 49 56.8–.30 2N–3.0 126E–4.0 10 5.3b,4.7
¶615345891
IDC III 18 08 09 46.2–2.0 2.85N 125.88E 0 3.5,3.5b
¶610546438
IDC Error ellipse: s-maj=179.1km s-min=26.0km az=65.0.
ISC III 19 17 30 17.2–.87 3.69N–.05 126.11E–.08 116 3.3b 25 1-57
IDC III 19 17 30 03.5–2.1 3.82N 126.16E 0 3.7s,3.5 ¶610546526
MAN III 19 17 30 19.9 3.84N 125.88E 127 4.7b,3.6L
DJA III 19 17 30 20.1–.60 3N–5.0 126E–3.0 86–13 4.9b,4.3b
ISC Event type ke.
ISC III 21 13 32 28.7–.46 3.21N–.04 127.12E–.07 44 4.5b,3.7s 81 2-123
IDC III 21 13 32 22.2–.75 3.12N 126.89E 0 4.1,4.1b ¶610543406
DJA III 21 13 32 26.7–.40 3N–3.0 127E–3.0 10 4.8b,4.3b
MAN III 21 13 32 26.6 3.18N 127.05E 182 5.3b,4.4s
NEIC III 21 13 32 31.1–1.8 3.14N–.09 127.1E–.10 63–8 4.6b,4.4s
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 22 02 05 36.9–1.3 2.4N–.30 125.3E–.80 10 3.6b 5 4-58
IDC III 22 02 05 35.0–1.4 2.58N 125.72E 0 3.6s,3.6 ¶610543438
ISC Event type ke.
IDC Error ellipse: s-maj=155.0km s-min=22.6km az=68.0.
IDC III 22 08 32 04.7–1.8 2.33N 125.22E 0 3.5,3.5b
¶610543457
IDC Error ellipse: s-maj=183.7km s-min=24.7km az=65.0.
IDC III 24 15 05 54.0–2.4 3.19N 127.57E 0 3.6s,3.2
¶610543604
IDC Error ellipse: s-maj=174.6km s-min=27.7km az=67.0.
ISC III 26 18 12 15.7–.62 2.65N–.03 125.88E–.05 96–5 4.7b 290 1-161
BJI III 26 18 12 10.9–.00 2.06N 126.03E 112 5.0b,4.6b ¶610435180
MAN III 26 18 12 12.7 2.60N 125.78E 22 5.4b,4.7s
IDC III 26 18 12 15.3–2.0 2.64N 125.72E 90–17 4.6,4.3b
NEIC III 26 18 12 15.1–2.7 2.68N–.05 125.89E–.08 86–6 4.7b,4.3b
DJA III 26 18 12 16.3–.70 3N–2.0 126E–2.0 40–19 5.8,5.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC III 27 21 14 38.0–2.5 3.70N 127.76E 0 3.3,3.3b
¶610543815
IDC Error ellipse: s-maj=226.8km s-min=23.7km az=68.0.
ISC III 28 07 07 43.9–.42 4.81N–.04 126.81E–.07 76 4.7b 92 2-123
MAN III 28 07 07 38.8 4.76N 126.87E 54 4.9b,3.9L ¶610437108
BJI III 28 07 07 41.3–.00 4.56N 127.16E 93 5.1b,4.6b
IDC III 28 07 07 42.9–1.8 4.94N 127.00E 73–16 4.3,4.0b
DJA III 28 07 07 43.4–.50 5N–5.0 127E–3.0 78–6 5.2b,4.7b
NEIC III 28 07 07 43.9–2.3 4.87N–.08 126.8E–.10 70–8 4.7b,4.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 28 08 35 01.3–.94 4.91N–.04 126.89E–.07 59–10 4.3b,3.1s 78 2-95
MAN III 28 08 34 58.6 4.96N 127.00E 68 5.1b,4.1s ¶610543839
IDC III 28 08 34 59.4–1.5 4.90N 126.84E 44–15 4.1,4.0L
NEIC III 28 08 35 01.4–2.1 4.99N–.07 127.0E–.10 58–8 4.4b,4.0L
DJA III 28 08 35 02.1–.50 5N–5.0 127E–4.0 60–20 5.5b,5.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 29 03 30 26.8–.27 2.78N–.03 125.95E–.04 123–2 5.3b 1116 1-172
BJI III 29 03 30 21.3–.00 2.34N 126.12E 122 5.2b,5.1b ¶611832164
MAN III 29 03 30 23.4 2.64N 126.00E 109 6.0b,5.6s
MOS III 29 03 30 25.6–.92 2.80N 125.94E 128 5.4b,5.6s
IDC III 29 03 30 25.1–1.1 2.77N 125.88E 107–9 5.3,4.9b
KLM III 29 03 30 25 3.01N 126.33E 116 5.5b,4.9b
NEIC III 29 03 30 26.7 2.80N 125.98E 120 5.5b,4.9b
NEIC III 29 03 30 26.7 2.90N 126.08E 120 5.5b,4.9b
DJA III 29 03 30 26.2–.20 3N–2.0 126E–1.0 116–1 5.8b,5.7
NEIC III 29 03 30 26.4–1.5 2.79N–.06 125.98E–.06 112–4 5.3b,5.2
GCMT III 29 03 30 27.4–.20 2.84N–.01 126.01E–.01 118–1 5.2W,5.2
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s338.84018°,δ43.72943°,λ-99.91522°. NP2: ϕ_s172.43893°,δ47.08373°,λ-80.64632°. Principal axes: T Plg1.6890°,Azm255.8368° ; N Plg6.8360°,Azm346.0393°; P Plg82.9565°,Azm152.0294°
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 1s1.0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.87 $M_{\theta\theta}$-0.84 $M_{\phi\phi}$2.71 $M_{r\theta}$-1.12 $M_{\theta\phi}$-1.19 $M_{\phi r}$6.46 NP1:ϕ_s170.41000°,δ79.84000° ,λ-85.70000°. NP2:ϕ_s327.32000°,δ11.03000°,λ-112.71000°. Principal axes: T 7.5811,Plg35.0000°,Azm257.0000°; N -1.1414,Plg4.0000°,Azm350.0000° ; P -6.4398,Plg55.0000°,Azm86.0000° $M_0$7.01000×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s82,c106; s87,c137;Duration: 1s0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.14±.24 $M_{\theta\theta}$-0.91±.28; $M_{\phi\phi}$3.05±.30; $M_{r\theta}$-0.31±.17; $M_{\theta\phi}$-3.62±.26; $M_{\phi r}$8.02±.18; Best double couple: NP1:ϕ_s179.00000°,δ81.00000°,λ-68.00000°. NP2:ϕ_s289.00000°,δ24.00000°,λ-158.00000°. Principal axes: T 9.8030,Plg33.0000° ,Azm250.0000°; N -1.3270,Plg22.0000°,Azm355.0000°; P -8.4790,Plg49.0000° ,Azm113.0000° $M_0$9.14100×10^{16}
IDC III 29 11 37 60.0–1.9 4.65N 127.57E 0 3.6,3.6b
¶610543925
IDC Error ellipse: s-maj=91.1km s-min=20.8km az=58.0.
ISC III 30 09 51 60.0–1.1 3.6N–.10 127.5E–.10 100 3.8b 12 2-62
IDC III 30 09 51 47.8–1.2 3.53N 127.48E 0 3.8,3.7b ¶610543983
DJA III 30 09 52 05.3–.70 2N–11 127E–5.0 280–8 4.6b,4.1
ISC Event type ke.
ISC III 30 23 55 02.6–.60 3.56N–.07 126.71E–.08 53 4.2b 39 1-92
IDC III 30 23 54 55.0–.86 3.54N 126.63E 0 4.1b,4.0 ¶610544018
NEIC III 30 23 54 57.8–1.8 3.61N–.09 126.76E–.07 10–1 4.2b,4.0
DJA III 30 23 54 58.4–1.4 4N–14 127E–5.0 73–18 4.1,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IV 02 08 49 09.6–2.3 4.39N 127.44E 0 3.3,3.3b
¶610651748
IDC Error ellipse: s-maj=154.0km s-min=29.3km az=66.0.
IDC IV 05 04 19 34.0–2.0 2.94N 125.47E 0 3.4,3.4b
¶610651962
IDC Error ellipse: s-maj=191.0km s-min=26.6km az=65.0.
IDC IV 06 09 32 11.6–2.2 3.58N 127.50E 0 3.3,3.3b
¶610652065
IDC Error ellipse: s-maj=160.2km s-min=27.8km az=67.0.
IDC IV 08 20 19 22.0–2.0 2.67N 125.39E 0 3.2,3.2b
¶610652253
IDC Error ellipse: s-maj=189.8km s-min=26.2km az=64.0.
ISC IV 09 06 28 15.2–1.0 3.3N–.20 125.4E–.40 35 3.8b 7 25-92
IDC IV 09 06 28 09.9–.99 3.27N 125.33E 0 3.9,3.9b ¶610652281
ISC Event type ke.
IDC Error ellipse: s-maj=67.9km s-min=20.2km az=72.0.
IDC IV 10 14 11 54.6–2.3 3.41N 126.78E 0 3.3,3.3b
¶610652387
IDC Error ellipse: s-maj=173.3km s-min=29.0km az=66.0.
ISC IV 10 14 59 17.5–1.3 4.64N–.10 125.2E–.30 150 3.3b 7 1-56
IDC IV 10 14 59 17.9–5.0 4.70N 125.41E 149–64 3.6,3.1b ¶610652389
ISC Event type ke.
IDC Error ellipse: s-maj=164.0km s-min=21.7km az=68.0.
ISC IV 10 18 04 19.3–1.5 4.57N–.08 125.1E–.30 10 3.5b 7 2-79
IDC IV 10 18 04 03.1–2.5 6.21N 124.84E 0 3.5s,3.5 ¶610652405
MAN IV 10 18 04 11.7 4.09N 125.37E 38 5.1b,4.1s
ISC Event type ke.
IDC Error ellipse: s-maj=229.5km s-min=29.2km az=64.0.
ISC IV 11 03 03 33.5–1.1 4.5N–.20 126.8E–.20 10 3.5b 9 2-123
IDC IV 11 03 03 31.9–1.5 4.43N 126.79E 0 4.5L,3.6 ¶610652423
MAN IV 11 03 03 37.9 6.51N 126.11E 19 5.3b,4.5s
ISC Event type ke.
IDC Error ellipse: s-maj=146.0km s-min=18.9km az=69.0.
IDC IV 11 12 03 45.9–2.5 3.89N 126.89E 0 3.4,3.4b
¶610652454
IDC Error ellipse: s-maj=208.9km s-min=28.5km az=66.0.
ISC IV 11 20 13 09.2–.35 3.66N–.04 126.84E–.06 35 4.6b,3.4s 127 1-92
IDC IV 11 20 13 04.2–.68 3.61N 126.85E 0 4.2,4.2b ¶610526848
MAN IV 11 20 13 08.3 3.53N 126.57E 5 4.8b,3.7L
DJA IV 11 20 13 09.6–.70 4N–7.0 127E–4.0 10 4.8b,4.8b
NEIC IV 11 20 13 10.7–1.9 3.65N–.08 126.85E–.07 47–7 4.6b,4.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IV 13 09 24 15.6–2.4 3.74N 126.41E 0 3.2,3.2b
¶610652623
IDC Error ellipse: s-maj=186.0km s-min=30.7km az=65.0.
ISC IV 15 03 34 37.0–.50 2.46N–.05 125.43E–.08 200 4.1b 57 1-122
IDC IV 15 03 34 35.0–6.4 2.58N 125.45E 168–59 4.1,3.7b ¶610652772
NEIC IV 15 03 34 35.4–1.2 2.6N–.10 125.39E–.09 180–8 4.2b,3.7b
DJA IV 15 03 34 37.3–.50 2N–3.0 125E–2.0 165–5 5.5b,5.0
MAN IV 15 03 34 38.7 2.70N 125.40E 196 4.6b,3.4L
ISC Event type se.
IDC Error ellipse: s-maj=72.9km s-min=14.6km az=63.0.
NEIC Event type se. Error ellipse: s-maj=15.9km s-min=12.9km az=200.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 15 18 59 41.3–.64 4.50N–.04 125.78E–.06 174–6 4.2b 89 1-122
NEIC IV 15 18 59 40.2–1.8 4.60N–.05 125.76E–.08 159–7 4.3b ¶610652814
DJA IV 15 18 59 41.9–.50 4N–5.0 126E–4.0 165–8 4.5b,4.3
IDC IV 15 18 59 42.1–3.0 4.52N 125.73E 183–28 4.0,3.5b
MAN IV 15 18 59 42.2 4.62N 125.75E 172 4.8b,3.7L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=6.9km az=102.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=33.2km s-min=10.8km az=71.0.
ISC IV 17 00 51 29.3–.41 2.45N–.04 125.81E–.06 150 4.3b 109 1-122
IDC IV 17 00 51 28.9–3.3 2.47N 125.65E 147–32 4.3,3.8b ¶610529010
DJA IV 17 00 51 29.0–.20 2N–3.0 126E–2.0 139–3 5.1b,4.8
MAN IV 17 00 51 31.4 2.88N 125.54E 241 5.1b,4.1s
NEIC IV 17 00 51 31.6–.89 2.14N–.07 125.71E–.07 134–11 4.3b,4.1s
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 17 16 21 30.2–1.5 4.1N–.10 125.7E–.20 150 9 0-7
MAN IV 17 16 21 17.7 5.30N 125.78E 126 4.3b,3.1L ¶615346198
DJA IV 17 16 21 29.7–.60 4N–5.0 126E–6.0 125–6 5.2b,4.5
ISC Event type ke.
ISC IV 20 05 11 06.9–.75 4.43N–.08 127.7E–.10 35 4.2b 25 3-72
IDC IV 20 05 11 02.8–1.2 4.54N 127.46E 0 3.8,3.8b ¶610653097
MAN IV 20 05 11 06.3 4.33N 127.45E 3 4.1b,2.9L
NEIC IV 20 05 11 11.0–.54 4.3N–.10 127.6E–.10 75–9 4.2b,2.9L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 20 09 26 10.5–.92 2.96N–.06 125.99E–.07 100 3.4b 17 1-62
IDC IV 20 09 25 58.4–1.5 3.04N 125.91E 0 3.7,3.6b ¶610653107
DJA IV 20 09 26 12.9–.70 3N–5.0 126E–3.0 58–22 6.0b,5.6
ISC Event type ke.
ISC IV 20 16 23 09.8–.80 3.20N–.04 127.11E–.07 35 3.6b 25 2-58
IDC IV 20 16 23 04.6–1.1 3.35N 126.72E 0 3.7,3.7b ¶610653123
DJA IV 20 16 23 09.8–1.2 3N–6.0 127E–4.0 31–21 5.1b,4.4
MAN IV 20 16 23 14.5 3.52N 126.81E 160 4.0b,2.8L
ISC Event type ke.
IDC Error ellipse: s-maj=62.9km s-min=18.4km az=71.0.
ISC IV 20 22 30 19.6–.98 3.98N–.05 126.65E–.07 100 3.5b 23 1-57
IDC IV 20 22 30 08.8–2.2 4.28N 126.73E 0 3.6,3.6b ¶610653140
DJA IV 20 22 30 25.6–1.1 4N–8.0 126E–4.0 35–33 4.9b,4.2b
MAN IV 20 22 30 33.8 4.95N 126.23E 76 4.3b,3.1L
ISC Event type ke.
IDC Error ellipse: s-maj=173.3km s-min=25.9km az=66.0.
ISC IV 22 10 33 28.9–1.0 4.78N–.08 126.3E–.10 10 3.5b 11 1-56
IDC IV 22 10 33 26.9–2.0 4.85N 126.45E 0 3.6,3.6b ¶610653259
MAN IV 22 10 33 55.6 6.16N 125.75E 7 4.7b,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=159.2km s-min=25.9km az=65.0.
ISC IV 24 04 55 22.3–.83 4.85N–.05 126.46E–.06 10 3.9b 26 1-89
IDC IV 24 04 55 20.2–1.1 4.82N 126.33E 0 3.9,3.9L ¶610649857
MAN IV 24 04 55 28.1 4.98N 126.12E 8 4.7b,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=107.4km s-min=19.0km az=64.0.
ISC IV 24 08 20 40.2–.77 4.59N–.06 125.5E–.10 235–6 3.8b 32 1-122
IDC IV 24 08 20 40.2–3.4 4.88N 125.78E 239–24 3.9,3.3b ¶610649871
DJA IV 24 08 20 40.9–.70 4N–5.0 126E–5.0 227–6 5.0b,4.6b
MAN IV 24 08 20 43.7 4.80N 125.44E 223 4.7b,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=156.0km s-min=20.4km az=64.0.
MAN IV 25 14 48 41.3 4.44N 126.92E 10 4.5b,3.3L
¶616499764
ISC IV 27 12 04 27.9–.79 3.84N–.04 126.53E–.06 50 3.7b,2.6s 28 1-57
IDC IV 27 12 04 21.5–1.6 3.44N 125.79E 0 4.1L,4.0 ¶610650131
DJA IV 27 12 04 26.5–.90 4N–8.0 127E–3.0 43–35 5.0b,4.4
MAN IV 27 12 04 31.0 4.08N 125.89E 2 4.8b,3.7L
ISC Event type ke.
IDC Error ellipse: s-maj=80.8km s-min=20.9km az=54.0.
ISC IV 30 18 57 45.9–.81 4.89N–.09 127.6E–.10 108 3.4b 14 3-57
IDC IV 30 18 57 44.5–5.2 4.74N 127.35E 79–54 3.6,3.3b ¶610650440
MAN IV 30 18 57 45.5 4.96N 127.49E 11 4.6b,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=128.8km s-min=24.8km az=65.0.
IDC V 03 08 25 39.3–1.9 2.69N 125.61E 0 3.7,3.7b
¶610689460
IDC Error ellipse: s-maj=183.6km s-min=24.1km az=64.0.
ISC V 04 00 23 59.7–.91 3.2N–.20 127.3E–.30 35 4.1b 8 11-91
IDC V 04 00 23 54.4–.87 3.18N 127.25E 0 4.0,4.0b ¶610689513
ISC Event type ke.
IDC Error ellipse: s-maj=53.5km s-min=17.5km az=63.0.
IDC V 04 08 12 53.3–2.0 3.15N 126.90E 0 3.5,3.5b
¶610689537
IDC Error ellipse: s-maj=194.5km s-min=21.6km az=67.0.
IDC V 04 17 54 21.4–2.2 2.42N 125.42E 0 3.3,3.3b
¶610689561

IDC Error ellipse: s-maj=197.9km s-min=28.0km az=65.0.
IDC V 05 01 31 50.0–2.0 3.34N 127.31E 0 3.7,3.7b
¶610689577
IDC Error ellipse: s-maj=170.9km s-min=25.1km az=67.0.
ISC V 08 16 35 43.9–1.3 3.7N–.10 126.8E–.20 50 3.3b 10 3-58
IDC V 08 16 35 35.9–2.8 3.94N 127.14E 0 3.5,3.5b ¶610689801
MAN V 08 16 35 44.0 3.60N 126.48E 103 4.5b,3.4L
ISC Event type ke.
IDC Error ellipse: s-maj=247.1km s-min=26.5km az=66.0.
DJA V 08 20 10 21.0–1.9 3N–5.0 127E–6.0 28–23 4.0b,3.7
¶615346368
ISC V 09 02 41 55.7–.00 2.48N–.06 125.04E–.08 200 3.7b 17 1-58
IDC V 09 02 41 51.6–5.1 2.71N 124.84E 167–50 4.0,3.5b ¶610689867
DJA V 09 02 41 58.0–.60 2N–3.0 125E–2.0 164–8 4.9b,4.2
ISC Event type ke.
IDC V 09 06 15 17.5–1.4 3.99N 126.50E 0 3.7,3.7b
¶610689878
IDC Error ellipse: s-maj=137.8km s-min=20.3km az=67.0.
ISC V 11 17 29 46.5–.48 3.76N–.05 126.80E–.08 10 4.2b 73 1-95
DJA V 11 17 29 41.1–.60 4N–5.0 127E–5.0 10 4.2,4.2 ¶610690072
NEIC V 11 17 29 46.6–1.5 3.75N–.09 126.8E–.10 10–1 4.4b,4.2
MAN V 11 17 29 51.8 3.74N 126.57E 139 4.9b,3.8L
IDC V 11 17 29 52.5–3.5 3.66N 126.76E 64–35 4.1L,4.0
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.3km s-min=13.2km az=65.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=26.2km s-min=13.5km az=74.0.
ISC V 12 00 04 19.9–1.0 4.5N–.10 126.0E–.20 150 3.5b 10 2-57
IDC V 12 00 04 05.7–1.7 3.24N 123.46E 0 3.6,3.6b ¶616504729
MAN V 12 00 04 21.9 4.88N 126.07E 174 4.0b,2.8L
ISC Event type ke.
IDC Error ellipse: s-maj=201.1km s-min=24.8km az=62.0.
IDC V 12 02 33 25.3–2.4 4.22N 127.38E 0 3.5,3.5b
¶610690091
IDC Error ellipse: s-maj=166.9km s-min=28.8km az=66.0.
IDC V 14 20 18 33.9–2.2 3.96N 126.81E 0 3.7,3.7b
¶610690296
IDC Error ellipse: s-maj=204.6km s-min=28.3km az=64.0.
ISC V 15 17 41 14.6–.30 4.09N–.03 126.54E–.05 45 4.6b,3.5s 331 1-123
IDC V 15 17 41 08.1–.53 4.14N 126.46E 0 4.5L,4.3 ¶610639754
MAN V 15 17 41 14.4 3.96N 126.37E 116 5.5b,4.8s
DJA V 15 17 41 15.1–.30 4N–3.0 127E–2.0 10 6.2,6.2
NEIC V 15 17 41 16.9–2.0 4.12N–.05 126.61E–.07 62–7 4.7b,6.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 15 18 21 49.7–.68 3.92N–.09 126.3E–.10 100 3.2b 17 2-57
IDC V 15 18 21 41.3–1.3 3.94N 126.15E 0 3.6L,3.4 ¶610690348
MAN V 15 18 21 53.6 4.32N 126.12E 132 4.7b,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=85.7km s-min=21.7km az=65.0.
IDC V 15 21 58 16.1–2.7 3.73N 127.96E 0 3.3,3.3b
¶610690359
IDC Error ellipse: s-maj=215.3km s-min=27.2km az=67.0.
ISC V 16 17 15 33.5–.62 3.65N–.05 127.17E–.07 48 4.0b 39 3-61
MAN V 16 17 15 29.1 3.85N 127.52E 7 5.0b,3.9L ¶610690436
NEIC V 16 17 15 35.3–2.2 3.72N–.05 127.30E–.07 72–13 4.0b,3.9L
IDC V 16 17 15 35.8–4.2 3.53N 127.13E 70–44 3.9L,3.8
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=4.6km az=116.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=65.1km s-min=16.3km az=64.0.
ISC V 19 18 24 06.1–2.8 3.4N–.30 127.1E–.20 10 3.9b 7 2-38
IDC V 19 18 24 05.0–4.3 3.18N 126.54E 0 3.8,3.8b ¶610690694
DJA V 19 18 24 10.3–.90 3N–10 127E–9.0 10 3.4,3.4
ISC Event type ke.
DJA V 21 19 01 57.4–1.9 4N–19 126E–6.0 73–8 4.0b,3.7
¶615346548
IDC V 24 12 56 44.1–2.5 3.93N 127.36E 0 3.4,3.4b
¶610685296
IDC Error ellipse: s-maj=184.4km s-min=29.2km az=66.0.
IDC V 26 20 37 00.1–2.2 4.31N 126.59E 0 3.3,3.3b
¶610685452
IDC Error ellipse: s-maj=179.8km s-min=27.3km az=66.0.
ISC V 27 18 57 40.6–.41 3.15N–.04 125.62E–.06 200 4.4b 111 1-122
DJA V 27 18 57 37.4–.60 3N–5.0 126E–3.0 184–5 4.8b,4.7b ¶610685512
MAN V 27 18 57 39.0 3.18N 125.71E 186 4.9b,3.9s
NEIC V 27 18 57 39.9–1.3 3.17N–.07 125.55E–.08 184–8 4.6b,3.9s
IDC V 27 18 57 44.3–1.6 3.11N 125.47E 227–15 4.0,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=9.5km az=88.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=30.2km s-min=10.8km az=75.0.
ISC V 29 01 41 21.0–1.7 4.5N–.10 125.9E–.10 100 3.8b 15 2-61
MAN V 29 01 41 16.9 4.27N 125.88E 83 4.2b,3.0L ¶610685579
IDC V 29 01 41 18.8–1.9 3.85N 126.47E 0 4.1,4.1b
ISC Event type ke.
IDC Error ellipse: s-maj=154.1km s-min=27.8km az=66.0.
ISC V 29 06 39 59.4–1.2 4.7N–.10 125.4E–.20 150 3.5b 9 1-56
IDC V 29 06 39 43.4–2.0 4.20N 123.76E 0 3.5,3.5b ¶610685594
MAN V 29 06 40 02.1 4.92N 125.41E 151 4.8b,3.7L
ISC Event type ke.
IDC Error ellipse: s-maj=204.9km s-min=26.8km az=63.0.
IDC V 29 15 38 26.2–2.2 3.66N 125.81E 0 3.5,3.5b
¶610685631
IDC Error ellipse: s-maj=192.4km s-min=27.9km az=65.0.
ISC V 31 09 55 52.9–.77 4.60N–.04 126.13E–.06 110–8 4.1b 63 1-122
MAN V 31 09 55 51.7 4.73N 126.13E 138 4.8b,3.7L ¶610685788
IDC V 31 09 55 54.0–1.4 4.60N 125.89E 130–16 4.0,3.6b
DJA V 31 09 55 55.2–.50 4N–3.0 126E–3.0 126–6 5.0b,4.6b
NEIC V 31 09 55 57.1–1.4 4.3N–.10 126.1E–.10 119–11 4.2b,4.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 03 10 20 02.7–.73 4.90N–.03 125.72E–.06 115–7 4.0b 77 1-122
MAN VI 03 10 20 01.9 5.00N 125.75E 118 4.9b,3.9L ¶610791169
DJA VI 03 10 20 02.6–.50 5N–3.0 126E–4.0 109–8 4.7b,4.4b
IDC VI 03 10 20 03.3–1.3 4.97N 125.78E 125–12 4.1,3.7b
NEIC VI 03 10 20 05.3–2.0 4.77N–.07 125.71E–.05 129–8 4.2b,3.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VI 03 12 58 01.0–2.1 3.89N 125.30E 0 3.4,3.4b
¶610791173
IDC Error ellipse: s-maj=200.2km s-min=25.1km az=64.0.
IDC VI 03 13 11 52.6–18 3.92N 127.45E 0 3.4,3.4b
¶610791175
IDC Error ellipse: s-maj=308.8km s-min=200.8km az=157.0.
IDC VI 03 13 20 14.2–2.0 3.30N 125.06E 0 3.5,3.5b
¶610791176
IDC Error ellipse: s-maj=209.2km s-min=24.7km az=64.0.
DJA VI 03 19 46 28.3–1.3 3N–11 125E–4.0 179–12 3.9b,3.8
¶615347404
ISC VI 09 04 09 32.0–.91 3.65N–.07 126.97E–.10 10 3.9b 13 1-92
DJA VI 09 04 09 33.2–2.2 4N–5.0 127E–6.0 17–19 5.4b,4.9 ¶615347535
IDC VI 09 04 09 34.2–1.4 2.30N 124.70E 0 3.9,3.8b
ISC Event type ke.
IDC Error ellipse: s-maj=185.9km s-min=19.0km az=64.0.
ISC VI 09 04 31 42.3–1.1 4.5N–.10 127.8E–.10 10 3.8b 10 3-58
IDC VI 09 04 31 42.1–1.8 4.03N 126.78E 0 3.9,3.9b ¶610791499
MAN VI 09 04 31 56.4 5.09N 127.65E 3 4.2b,3.0L
ISC Event type ke.
IDC Error ellipse: s-maj=144.4km s-min=24.0km az=65.0.
IDC VI 11 01 08 19.4–2.4 3.50N 126.60E 0 3.6,3.6b
¶610791626
IDC Error ellipse: s-maj=198.9km s-min=27.8km az=66.0.
ISC VI 11 01 51 47.7–.49 3.78N–.05 126.73E–.07 10 4.4b,3.2s 63 1-123
IDC VI 11 01 51 45.1–.72 3.62N 126.57E 0 4.1,4.1b ¶610791630
DJA VI 11 01 51 51.7–.50 4N–4.0 127E–3.0 52–8 5.0b,4.6
NEIC VI 11 01 51 51.7–2.0 3.81N–.07 126.7E–.10 35–6 4.5b,4.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 12 04 30 37.0–.28 3.65N–.03 126.66E–.04 55–2 5.3b,4.5s 982 1-169
MOS VI 12 04 30 33.5–.94 3.70N 126.59E 40 5.6b,4.5s ¶610669811
IDC VI 12 04 30 35.3–1.6 3.72N 126.61E 41–14 5.0,4.8b
BJI VI 12 04 30 35.2–.00 3.64N 126.59E 58 5.3b,5.2b
NEIC VI 12 04 30 36.7–1.8 3.69N–.06 126.78E–.08 57–6 5.4b,5.2b
GCMT VI 12 04 30 36.7–.20 3.78N–.01 126.81E–.01 30–0 5.3W,5.2b
DJA VI 12 04 30 37.3–.40 4N–3.0 127E–2.0 56–4 5.7b,5.3
KLM VI 12 04 30 37 3.66N 126.90E 86 5.2b,5.3
ISC Event type se.
MOS Error ellipse: s-maj=7.8km s-min=4.2km az=112.0.
IDC Error ellipse: s-maj=15.5km s-min=8.4km az=80.0.
NEIC Event type se. Error ellipse: s-maj=11.4km s-min=8.4km az=69.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s109,c151; s109,c174;Duration: 1.0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.94±.02 $M_{\theta\theta}$0.05±.01; $M_{\phi\phi}$-0.98±.02; $M_{r\theta}$-0.03±.02; $M_{\theta\phi}$-0.20±.01; $M_{\phi r}$0.22±.02; Best double couple: NP1:ϕ_s6.00000°,δ51.00000°,λ84.00000°. NP2:ϕ_s195.00000°,δ39.00000°,λ97.00000°. Principal axes: T 0.9690,Plg82.0000° ,Azm242.0000°; N 0.0780,Plg5.0000°,Azm10.0000°; P -1.0470,Plg6.0000°,Azm100.0000° $M_0$1.00800×10^{17}
ISC VI 13 07 26 06.1–.68 3.6N–.10 126.7E–.30 10 4.1b 24 3-72
IDC VI 13 07 26 04.6–.96 3.66N 126.57E 0 3.8,3.8b ¶610791762
NEIC VI 13 07 26 05.7–1.5 3.6N–.20 126.9E–.50 5–6 4.3b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VI 13 16 42 41.5–1.9 4.03N 126.86E 0 3.5,3.5b
¶610791787
IDC Error ellipse: s-maj=165.1km s-min=27.8km az=66.0.
ISC VI 13 21 17 24.4–1.0 3.73N–.08 126.3E–.20 35 3.4b 14 2-57
IDC VI 13 21 17 20.5–1.8 2.85N 124.36E 0 3.6,3.6b ¶617049785
MAN VI 13 21 17 27.6 4.24N 126.38E 7 4.7b,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=195.2km s-min=24.6km az=63.0.
ISC VI 16 11 24 39.6–.52 3.42N–.06 126.75E–.08 10 4.3b 45 3-92
IDC VI 16 11 24 38.3–1.4 3.38N 126.48E 0 3.9,3.9b ¶610792002
NEIC VI 16 11 24 40.4–1.2 3.44N–.07 126.71E–.07 10–1 4.4b,3.9b
DJA VI 16 11 24 59.2–.40 3N–3.0 126E–3.0 94–6 5.0b,4.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 17 07 06 30.0–.83 3.07N–.08 127.9E–.10 100 4.0b 16 2-85
IDC VI 17 07 06 17.6–1.1 3.20N 128.15E 0 3.8,3.8b ¶610792048
DJA VI 17 07 06 30.7–.50 3N–5.0 128E–4.0 112–12 5.2b,4.6
MAN VI 17 07 06 32.4 3.50N 128.07E 96 4.8b,3.7L
ISC Event type ke.
IDC Error ellipse: s-maj=74.2km s-min=20.6km az=72.0.
ISC VI 17 13 44 33.2–1.2 3.16N–.06 126.4E–.10 63 3.6b 18 1-58
DJA VI 17 13 44 32.1–1.1 3N–11 126E–4.0 81–15 4.9b,4.4b ¶615348244
MAN VI 17 13 44 34.1 3.21N 126.20E 95 4.8b,3.6L
IDC VI 17 13 44 53.3–2.5 0.16S 126.12E 0 3.7,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=272.2km s-min=27.4km az=65.0.
IDC VI 19 12 00 33.6–2.3 4.20N 127.15E 0 3.3,3.3b
¶610792189
IDC Error ellipse: s-maj=163.9km s-min=29.5km az=66.0.
ISC VI 21 05 34 40.1–.90 4.58N–.07 126.2E–.10 10 3.6b 20 2-61
IDC VI 21 05 34 34.9–1.0 4.53N 125.56E 0 3.9L,3.7 ¶610789191
MAN VI 21 05 34 41.6 4.71N 126.41E 8 4.9b,3.8L
ISC Event type ke.
IDC Error ellipse: s-maj=88.8km s-min=18.8km az=59.0.
ISC VI 21 21 30 52.6–.69 3.58N–.05 127.20E–.08 48 3.9b 37 2-75
IDC VI 21 21 30 46.6–1.1 3.21N 126.53E 0 4.1L,3.9 ¶610789233
DJA VI 21 21 30 51.7–.60 4N–5.0 127E–3.0 10 4.8b,4.1
NEIC VI 21 21 30 53.8–1.2 3.57N–.09 127.2E–.10 59–10 4.2b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 22 00 23 09.4–1.3 2.72N–.10 125.6E–.20 109 3.5b 7 1-58
IDC VI 22 00 23 02.0–2.0 1.97N 124.80E 0 3.6,3.5b ¶610789237
DJA VI 22 00 23 05.0–.70 3N–4.0 126E–5.0 130–8 3.7,3.7
ISC Event type ke.
IDC VI 22 01 02 48.9–2.9 2.40N 125.72E 0 3.4,3.4b
¶610789240
IDC Error ellipse: s-maj=324.2km s-min=27.3km az=65.0.
IDC VI 23 10 16 32.8–1.7 3.12N 125.78E 0 3.8L,3.5
¶610789334
IDC Error ellipse: s-maj=84.6km s-min=26.5km az=59.0.
ISC VI 23 11 05 26.6–.89 4.6N–.20 126.7E–.30 85 3.7b 10 2-99
MAN VI 23 11 05 09.9 4.34N 127.14E 7 4.8b,3.7L ¶610789339
IDC VI 23 11 05 15.9–.95 4.57N 126.41E 0 3.8,3.8b
ISC Event type ke.
IDC Error ellipse: s-maj=81.4km s-min=19.1km az=73.0.
ISC VI 24 11 11 27.9–1.3 4.28N–.06 126.1E–.10 150 13 1-8
DJA VI 24 11 11 29.0–2.1 4N–18 126E–9.0 123–9 5.0b,4.4b ¶615350418
MAN VI 24 11 11 29.9 4.31N 126.07E 106 4.3b,3.1L
ISC Event type ke.
ISC VI 25 07 36 50.2–.52 4.46N–.04 125.52E–.05 170–4 4.5b 182 1-122
NEIC VI 25 07 36 48.7–2.1 4.57N–.06 125.59E–.08 152–6 4.5b ¶610694612
IDC VI 25 07 36 50.7–.90 4.47N 125.37E 178–7 4.5,3.9b
DJA VI 25 07 36 51.6–.50 4N–5.0 126E–2.0 158–3 5.2b,4.9
MAN VI 25 07 36 51.2 4.50N 125.57E 149 5.2b,4.2s
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.3km s-min=8.3km az=68.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=15.3km s-min=7.8km az=79.0.
ISC VI 26 08 26 41.1–.46 3.05N–.05 127.94E–.07 150 4.2b 80 2-121
DJA VI 26 08 26 39.9–.90 3N–8.0 128E–5.0 118–13 4.9b,4.6b ¶610789496
IDC VI 26 08 26 40.7–3.1 3.03N 128.15E 141–28 3.9,3.5b
MAN VI 26 08 26 40.3 3.64N 128.30E 26 4.9b,3.8L
NEIC VI 26 08 26 41.2–1.2 3.01N–.09 127.97E–.10 140–7 4.2b,3.8L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DJA VI 27 03 13 13.2–1.6 3N–6.0 127E–3.0 21–16 4.5b,4.5b
¶615350459

(264) North of Halmahera.

ISC I 01 14 12 08.6–.42 3.59N–.03 128.57E–.04 31–2 4.9b,4.9s 720 3-164
IDC I 01 14 12 03.7–.33 3.57N 128.34E 0 4.7,4.7b ¶609947746
KLM I 01 14 12 05 3.76N 128.97E 10 5.1b,4.7b
MOS I 01 14 12 05.9–.98 3.60N 128.38E 24 5.1b,4.7b
BJI I 01 14 12 05.0–.00 3.48N 128.73E 25 5.2b,5.2s
NEIC I 01 14 12 05.7–1.4 3.64N–.06 128.59E–.08 11–1 5.6b,5.2

DJA I 01 14 12 09.8–.40 4N–4.0 129E–3.0 66–4 5.5b,5.5
GCMT I 01 14 12 09.7–.20 3.71N–.02 128.56E–.01 27–0 5.4W,5.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}6.87 $M_{\theta\theta}$0.83 $M_{\phi\phi}$-7.70 $M_{r\theta}$-0.67 $M_{\theta\phi}$-2.04 $M_{\phi r}$4.46 NP1:ϕ_s206.81000°,δ31.90000°,λ112.63000°. NP2:ϕ_s0.65000°,δ60.81000°,λ76.53000°. Principal axes: T 8.3251,Plg71.0000°,Azm240.0000°; N 0.9496,Plg12.0000°,Azm7.0000°; P -9.2747,Plg15.0000°,Azm100.0000° $M_0$8.84000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s87,c126; s142,c219;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}1.75±.04 $M_{\theta\theta}$-0.25±.03; $M_{\phi\phi}$-1.51±.03; $M_{r\theta}$-0.28±.05; $M_{\theta\phi}$-0.02±.02; $M_{\phi r}$0.20±.04; Best double couple: NP1:ϕ_s353.00000°,δ49.00000°,λ80.00000°. NP2:ϕ_s188.00000°,δ42.00000°,λ102.00000°. Principal axes: T 1.8000,Plg82.0000°,Azm204.0000°; N -0.2840,Plg8.0000°,Azm360.0000°; P -1.5220,Plg3.0000°,Azm90.0000° $M_0$1.66100×10^{17}
ISC I 01 14 13 34.5–.21 3.65N–.03 128.37E–.04 10 5.4b,4.9s 792 3-168
IDC I 01 14 13 32.8–.31 3.65N 128.40E 0 5.0,5.0b **¶609947747**
BJI I 01 14 13 32.5–.00 3.50N 128.73E 20 5.5b,5.2s
NEIC I 01 14 13 34.1–1.2 3.59N–.08 128.24E–.09 10–1 5.6b,5.3
MOS I 01 14 13 34.3–1.1 3.55N 128.31E 25 5.6b,4.8s
GCMT I 01 14 13 38.1–.10 3.63N–.01 128.60E–.01 19–0 5.4W,4.8s
DJA I 01 14 13 39.1–.90 4N–4.0 129E–3.0 32–7 5.9b,5.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}9.04 $M_{\theta\theta}$-2.12 $M_{\phi\phi}$-6.92 $M_{r\theta}$0.55 $M_{\theta\phi}$-0.18 $M_{\phi r}$5.63 NP1:ϕ_s181.25000°,δ27.36000°,λ87.56000°. NP2:ϕ_s4.00000°,δ62.67000°,λ91.26000°. Principal axes: T 10.8426,Plg72.0000°,Azm277.0000°; N -2.1168,Plg1.0000°,Azm183.0000°; P -8.7257,Plg18.0000°,Azm93.0000° $M_0$9.95000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s121,c180; s147,c282;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}1.56±.03 $M_{\theta\theta}$-0.20±.02; $M_{\phi\phi}$-1.36±.02; $M_{r\theta}$0.26±.04; $M_{\theta\phi}$-0.12±.01; $M_{\phi r}$0.65±.04; Best double couple: NP1:ϕ_s12.00000°,δ58.00000°,λ96.00000°. NP2:ϕ_s181.00000°,δ33.00000°,λ81.00000°. Principal axes: T 1.7270,Plg76.0000°,Azm301.0000°; N -0.2060,Plg5.0000°,Azm189.0000°; P -1.5220,Plg12.0000°,Azm98.0000° $M_0$1.62500×10^{17}
ISC I 01 14 17 58.0–.46 3.56N–.05 128.69E–.08 45 4.4b 70 3-125
DJA I 01 14 17 51.7–1.9 4N–17 129E–8.0 10 5.0,5.0 **¶610236390**
IDC I 01 14 17 52.0–.69 3.59N 128.58E 0 4.0,4.0b
NEIC I 01 14 17 54.0–1.2 3.52N–.06 128.72E–.06 10–1 4.7b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC I 01 14 32 39.5–2.0 3.50N 128.34E 0 3.4,3.4b
¶610236391
IDC Error ellipse: s-maj=161.0km s-min=25.4km az=68.0.
ISC I 01 15 13 43.1–.55 3.52N–.05 128.72E–.08 45 4.2b 49 3-87
IDC I 01 15 13 37.9–.78 3.65N 128.75E 0 3.8L,3.7 **¶610236396**
NEIC I 01 15 13 39.5–1.3 3.63N–.09 128.66E–.09 10–1 4.5b,3.7
DJA I 01 15 13 39.4–1.3 4N–12 129E–7.0 10 5.1b,4.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 01 18 34 25.8–1.2 3.7N–.40 128.7E–.70 50 3.2b 6 5-59
IDC I 01 18 34 20.0–1.3 3.44N 127.98E 0 3.3,3.2b **¶610236406**
ISC Event type ke.
IDC Error ellipse: s-maj=99.8km s-min=20.3km az=67.0.
ISC I 01 21 25 27.1–.69 3.62N–.09 128.7E–.10 45 3.8b 16 5-125
IDC I 01 21 25 21.3–.82 3.71N 128.71E 0 3.8,3.8b **¶610236418**
ISC Event type ke.
IDC Error ellipse: s-maj=38.9km s-min=15.6km az=71.0.
ISC I 01 21 35 57.6–.55 3.64N–.06 128.81E–.09 35 4.1b,2.9s 49 3-125
NEIC I 01 21 35 54.5–1.8 3.72N–.09 128.7E–.10 10–1 4.4b,2.9s **¶610236421**
IDC I 01 21 35 58.3–2.4 3.75N 128.82E 39–21 4.1L,4.0
DJA I 01 21 36 03.7–.80 3N–10 129E–5.0 155–8 5.3b,4.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 02 04 02 31.4–1.2 3.8N–.20 129.1E–.30 50 3.6b 8 5-63
IDC I 02 04 02 25.6–1.3 3.73N 128.62E 0 3.7,3.7b **¶610236439**
ISC Event type ke.
IDC Error ellipse: s-maj=111.7km s-min=18.4km az=68.0.
ISC I 02 13 34 12.6–4.5 4N–1.0 129E–3.0 35 4.2b 6 24-69
IDC I 02 13 34 07.9–3.1 3.78N 128.94E 0 4.0,4.0b **¶610236469**
ISC Event type ke.
IDC Error ellipse: s-maj=289.4km s-min=21.9km az=70.0.
IDC I 02 13 54 12.0–2.5 3.76N 128.89E 0 3.5,3.4b
¶610236471
IDC Error ellipse: s-maj=177.9km s-min=26.7km az=68.0.
IDC I 02 15 36 03.9–2.4 3.60N 128.37E 0 3.4,3.4b
¶610236480
IDC Error ellipse: s-maj=172.1km s-min=25.4km az=68.0.
ISC I 02 21 55 30.4–.55 3.81N–.07 128.80E–.08 35 4.1b 51 3-133
NEIC I 02 21 55 27.5–1.8 3.91N–.04 128.94E–.07 10–1 4.3b **¶610236516**
DJA I 02 21 55 29.1–.70 4N–5.0 129E–5.0 10 5.2b,4.6
IDC I 02 21 55 31.8–3.5 3.96N 129.06E 48–37 3.8,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=5.0km az=119.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=46.4km s-min=15.7km az=73.0.
ISC I 03 06 55 20.8–.69 3.8N–.10 129.0E–.20 35 3.8b 14 5-125
IDC I 03 06 55 15.6–.81 3.79N 128.94E 0 3.8,3.8b **¶610236538**
ISC Event type ke.
IDC Error ellipse: s-maj=44.8km s-min=15.1km az=70.0.
ISC I 03 08 35 27.8–.47 3.54N–.05 128.78E–.08 35 4.2b,3.0s 61 3-125
IDC I 03 08 35 22.9–.60 3.55N 128.52E 0 4.2,4.2b **¶609950381**
DJA I 03 08 35 24.0–1.7 4N–6.0 129E–4.0 18–13 5.1b,4.7b
NEIC I 03 08 35 24.1–1.6 3.74N–.08 128.92E–.09 10–1 4.4b,4.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 03 09 11 25.7–.89 3.75N–.10 128.7E–.10 35 4.2b 24 3-125
IDC I 03 09 11 21.3–1.0 3.41N 127.96E 0 4.1,4.1b **¶610236547**
DJA I 03 09 11 22.1–.40 4N–4.0 129E–3.0 10 5.1b,4.7
ISC Event type ke.
ISC I 03 09 12 59.6–1.6 3.5N–.50 128.7E–.80 45 3.9b 6 5-63
IDC I 03 09 12 53.8–1.6 3.51N 128.49E 0 3.9,3.9b **¶610236548**
ISC Event type ke.
IDC Error ellipse: s-maj=128.1km s-min=21.5km az=65.0.
ISC I 03 09 37 13.8–.69 3.57N–.09 128.6E–.10 45 4.0b 29 3-125
IDC I 03 09 37 07.9–.84 3.73N 128.63E 0 4.1s,3.9 **¶610236550**
NEIC I 03 09 37 09.4–1.9 3.62N–.09 128.78E–.10 10–2 4.0b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 03 09 38 29.0–.77 3.3N–.20 128.5E–.20 45 3.9b 13 5-125
IDC I 03 09 38 22.9–.90 3.32N 128.52E 0 3.8s,3.8b **¶610236551**
ISC Event type ke.
IDC Error ellipse: s-maj=60.5km s-min=17.1km az=68.0.
ISC I 03 14 54 27.3–.64 3.07N–.07 128.22E–.09 100 3.9b 35 2-69
DJA I 03 14 54 29.3–.60 3N–6.0 128E–4.0 122–7 4.8b,4.2 **¶610236567**
NEIC I 03 14 54 29.9–1.4 3.0N–.10 128.13E–.09 125–11 4.2b,4.2
IDC I 03 14 54 30.8–2.8 3.03N 128.41E 138–32 3.8,3.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.9km s-min=11.3km az=207.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=61.5km s-min=15.1km az=67.0.
ISC I 03 20 22 00.5–1.2 3.4N–.30 128.1E–.50 84 3.5b 7 4-59
IDC I 03 20 21 50.2–1.4 3.52N 128.25E 0 3.6,3.6b **¶610236582**
ISC Event type ke.
IDC Error ellipse: s-maj=92.3km s-min=18.8km az=65.0.
IDC I 04 15 31 32.9–2.5 3.74N 128.64E 0 3.3,3.3b
¶610236706
IDC Error ellipse: s-maj=171.9km s-min=27.3km az=68.0.
ISC I 05 06 17 13.0–.63 3.84N–.08 128.7E–.10 46 4.2b 43 3-99
IDC I 05 06 17 07.2–.72 3.84N 128.71E 0 4.0b,3.9 **¶610236759**
NEIC I 05 06 17 08.5–.86 3.97N–.10 128.74E–.03 10–1 4.5b,3.9
DJA I 05 06 17 13.3–.90 4N–6.0 129E–5.0 49–11 5.8,5.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 06 10 33 44.1–.36 3.73N–.05 128.59E–.06 35 4.6b,4.0s 138 3-99
BJI I 06 10 33 39.9–.00 3.39N 128.69E 34 5.0b,4.6s **¶610019738**
MAN I 06 10 33 39.5 3.59N 128.79E 32 4.4b,3.3L
IDC I 06 10 33 39.2–.50 3.71N 128.30E 0 4.3,4.3b
NEIC I 06 10 33 40.7–1.7 3.72N–.06 128.54E–.06 10–1 4.8b,4.3b
DJA I 06 10 33 43.8–.60 4N–5.0 129E–4.0 10 5.3,5.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC I 08 07 06 11.5–2.2 3.78N 128.83E 0 3.5,3.5b
¶610236952
IDC Error ellipse: s-maj=175.5km s-min=22.7km az=69.0.
IDC I 08 18 05 53.6–2.0 3.64N 128.53E 0 3.2,3.2b
¶610236977
IDC Error ellipse: s-maj=131.0km s-min=23.5km az=63.0.
IDC I 09 11 13 34.5–1.8 3.67N 128.16E 0 3.5,3.5b
¶610237029
IDC Error ellipse: s-maj=160.8km s-min=23.1km az=70.0.
ISC I 09 13 32 37.7–.37 3.80N–.04 128.58E–.06 10 4.4b,3.6s 110 3-99
NEIC I 09 13 32 38.4–2.8 3.81N–.08 128.59E–.09 10–1 4.6b,3.6s **¶610050581**
IDC I 09 13 32 39.4–3.1 3.74N 128.31E 27–20 4.0,3.9b
DJA I 09 13 32 39.0–1.1 4N–6.0 129E–5.0 16–13 5.2b,4.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 09 23 06 18.3–1.1 3.6N–.10 128.4E–.10 45 4.1b 18 8-93
NEIC I 09 23 06 14.0–1.0 3.6N–.10 128.3E–.10 10–2 4.1b **¶610570561**
IDC I 09 23 06 16.2–1.1 2.10N 125.18E 0 3.8,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=27.1km s-min=6.0km az=50.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=206.5km s-min=18.2km az=67.0.
IDC I 10 20 11 01.1–1.7 3.53N 128.01E 0 4.2s,3.5
¶610237104
IDC Error ellipse: s-maj=110.0km s-min=22.9km az=64.0.
ISC I 11 20 15 10.7–.38 3.59N–.04 128.66E–.06 45 4.5b,3.8s 106 3-125
MAN I 11 20 15 00.9 3.87N 129.32E 1 5.2b,4.3s **¶610056678**
NEIC I 11 20 15 08.6–2.0 3.60N–.08 128.63E–.09 22–6 4.6b,4.3s
IDC I 11 20 15 08.9–3.1 3.57N 128.70E 28–21 4.2,4.2L
DJA I 11 20 15 11.7–.50 4N–4.0 129E–3.0 45–5 5.0b,4.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC I 11 21 10 48.2–5.3 3.74N 128.34E 222–55 4.1,3.7b
¶610237197
IDC Error ellipse: s-maj=150.5km s-min=28.5km az=77.0.
ISC I 11 21 25 45.8–1.1 3.5N–.30 128.8E–.70 35 3.4b 7 5-62
IDC I 11 21 25 41.2–1.2 3.35N 128.14E 0 3.5,3.5b **¶610237200**
ISC Event type ke.
IDC Error ellipse: s-maj=113.4km s-min=18.8km az=67.0.
ISC I 12 00 37 40.5–.49 3.60N–.07 128.82E–.10 10 4.4b 50 3-125
IDC I 12 00 37 38.9–.73 3.57N 128.68E 0 4.0,4.0b **¶610057040**
NEIC I 12 00 37 41.3–3.0 3.53N–.06 128.75E–.08 10–1 4.5b,4.0b
DJA I 12 00 37 42.4–1.0 4N–6.0 129E–7.0 10 4.8b,4.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 12 01 49 21.4–.63 3.80N–.07 128.6E–.10 46 4.2b 32 3-125
IDC I 12 01 49 15.9–1.6 3.80N 128.41E 0 4.1,4.1b **¶610237220**
NEIC I 12 01 49 17.5–2.0 3.87N–.08 128.67E–.06 10–1 4.4b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC I 14 12 53 23.8–4.3 3.53N 128.97E 0 3.9s,3.6
¶610237356
IDC Error ellipse: s-maj=397.8km s-min=28.6km az=71.0.
IDC I 17 08 52 27.3–2.0 3.47N 128.05E 0 3.6,3.6b
¶610237583
IDC Error ellipse: s-maj=147.6km s-min=25.4km az=66.0.
IDC I 17 19 04 33.4–3.0 4.57N 128.75E 0 3.4,3.4b
¶610237615
IDC Error ellipse: s-maj=213.9km s-min=30.1km az=68.0.
ISC I 20 01 15 55.3–.44 3.47N–.04 128.67E–.07 10 4.5b,4.1s 86 3-93
NEIC I 20 01 15 55.4–1.9 3.51N–.04 128.6E–.10 10–1 4.5b,4.1s **¶610102444**
DJA I 20 01 15 58.8–1.8 4N–4.0 129E–3.0 20–17 5.2b,4.7b
IDC I 20 01 16 00.1–1.7 3.50N 128.62E 43–17 4.3L,4.2
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.8km s-min=4.0km az=76.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=22.7km s-min=8.9km az=66.0.
ISC I 20 01 35 34.2–.87 3.7N–.10 128.4E–.20 10 3.9b 13 4-61
IDC I 20 01 35 32.7–.92 3.73N 128.64E 0 3.9,3.9b **¶610234903**
ISC Event type ke.
IDC Error ellipse: s-maj=50.7km s-min=16.9km az=70.0.
IDC I 22 00 21 19.1–2.5 3.24N 128.49E 0 3.2,3.2b
¶610235038
IDC Error ellipse: s-maj=174.5km s-min=28.3km az=68.0.
IDC I 23 15 33 08.6–2.8 3.61N 128.12E 0 3.6,3.5b
¶610235206
IDC Error ellipse: s-maj=226.5km s-min=24.7km az=67.0.
ISC I 26 19 09 06.6–.48 3.64N–.06 128.66E–.09 45 4.3b,3.4s 70 3-125
NEIC I 26 19 09 03.1–1.6 3.78N–.08 128.61E–.08 10–1 4.5b,3.4s **¶610235409**
DJA I 26 19 09 06.8–1.2 4N–6.0 129E–4.0 32–17 5.0b,4.5b
IDC I 26 19 09 10.1–1.6 3.65N 128.80E 78–14 4.1,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.2km s-min=12.9km az=47.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=38.0km s-min=8.4km az=62.0.
IDC I 27 07 42 03.0–4.2 4.42N 128.82E 0 3.9,3.9b
¶610235451
IDC Error ellipse: s-maj=377.4km s-min=22.3km az=69.0.
ISC II 02 07 53 26.8–.53 4.85N–.06 128.0E–.10 50 4.4b,3.2s 47 3-72
IDC II 02 07 53 28.4–5.0 4.75N 127.87E 68–51 4.1,3.9b **¶610414658**
NEIC II 02 07 53 29.6–.58 4.75N–.10 127.9E–.10 73–8 4.4b,3.9b
MAN II 02 07 53 30.2 5.23N 127.96E 33 5.0b,4.0s
ISC Event type se.
IDC Error ellipse: s-maj=92.0km s-min=14.7km az=73.0.
NEIC Event type se. Error ellipse: s-maj=19.7km s-min=11.9km az=63.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC II 16 11 58 20.2–1.9 3.17N 128.51E 0 3.4,3.4b
¶610415631
IDC Error ellipse: s-maj=132.7km s-min=24.3km az=64.0.
IDC II 16 22 33 39.6–2.2 3.55N 129.04E 0 3.5,3.5b
¶610415651

IDC Error ellipse: s-maj=148.1km s-min=24.8km az=69.0.
IDC II 20 13 27 11.4–3.5 3.06N 128.68E 201–38 3.6,3.1b ¶610384687
IDC Error ellipse: s-maj=122.2km s-min=19.4km az=68.0.
IDC III 10 06 58 20.5–2.0 3.86N 128.05E 0 3.7L,3.6 ¶610545931
IDC Error ellipse: s-maj=118.6km s-min=26.2km az=63.0.
IDC IV 02 11 21 36.2–1.7 3.08N 128.41E 0 3.7,3.7b ¶610651757
IDC Error ellipse: s-maj=138.9km s-min=24.4km az=67.0.
ISC IV 21 17 42 48.0–.59 4.96N–.05 128.07E–.07 50 4.1b 69 3-67
NEIC IV 21 17 42 50.0–1.7 4.89N–.07 128.01E–.07 59–10 4.1b ¶610653214
IDC IV 21 17 42 50.3–2.8 4.83N 127.85E 63–25 4.0,4.0L
MAN IV 21 17 42 55.3 5.35N 127.69E 87 4.6b,3.5L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=9.5km az=142.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=68.8km s-min=14.5km az=64.0.
ISC IV 29 16 50 27.1–.39 3.60N–.05 128.20E–.07 84 4.4b 113 3-84
IDC IV 29 16 50 26.9–2.0 3.56N 128.25E 79–19 4.3,4.0b ¶610589258
DJA IV 29 16 50 27.7–1.8 4N–6.0 128E–3.0 22–20 5.3b,4.8b
NEIC IV 29 16 50 28.7–1.8 3.56N–.09 128.2E–.10 98–8 4.4b,4.8b
MAN IV 29 16 50 31.1 4.08N 128.19E 32 4.8b,3.7L
ISC Event type se.
IDC Error ellipse: s-maj=25.7km s-min=9.9km az=78.0.
NEIC Event type se. Error ellipse: s-maj=17.2km s-min=12.1km az=71.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 21 05 23 24.5–1.1 4.07N–.09 128.4E–.10 35 3.7b 12 3-62
IDC V 21 05 23 19.8–1.7 3.80N 127.68E 0 3.7,3.7b ¶610685067
DJA V 21 05 23 36.0–1.4 4N–7.0 128E–7.0 30–19 4.9b,4.7b
ISC Event type ke.
ISC V 25 08 22 54.4–.45 3.62N–.04 128.02E–.06 134–4 4.5b 173 2-165
IDC V 25 08 22 54.1–.62 3.61N 128.14E 131–5 4.4,4.0b ¶610653585
NEIC V 25 08 22 54.7–1.2 3.61N–.07 128.1E–.10 134–6 4.6b,4.0b
DJA V 25 08 22 55.5–.40 4N–4.0 128E–3.0 138–4 5.1,5.1b
MAN V 25 08 22 55.4 3.91N 128.08E 159 5.2b,4.3s
BJI V 25 08 22 56.7–.00 3.90N 127.78E 126 4.9b,4.6b
ISC Event type se.
IDC Error ellipse: s-maj=18.3km s-min=8.7km az=70.0.
NEIC Event type se. Error ellipse: s-maj=15.2km s-min=9.3km az=73.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 01 13 58 18.1–.53 4.26N–.04 128.62E–.07 42–5 4.5b,3.4s 286 3-125
DJA VI 01 13 58 18.6–.60 4N–6.0 129E–3.0 84–8 5.2b,5.1 ¶610657925
MAN VI 01 13 58 19.8 4.69N 128.56E 13 5.3b,4.5s
IDC VI 01 13 58 19.7–.70 4.24N 128.58E 61–6 4.3,4.0b
BJI VI 01 13 58 22.8–.00 4.15N 128.11E 76 4.8b,4.5b
NEIC VI 01 13 58 23.1–1.6 4.14N–.08 128.5E–.10 85–6 4.5b,4.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DJA VI 11 14 54 33.2–1.1 3N–7.0 128E–7.0 161–7 3.7,3.7 ¶615348144
ISC VI 17 13 13 34.6–1.2 4.0N–.10 128.0E–.20 150 3.5b 14 3-58
IDC VI 17 13 13 19.6–1.8 3.41N 127.13E 0 3.6,3.6b ¶610792058
MAN VI 17 13 13 32.0 4.27N 128.43E 149 4.7b,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=153.6km s-min=24.8km az=66.0.
ISC VI 17 17 52 17.2–.37 3.82N–.04 128.00E–.06 100 4.5b 117 2-124
IDC VI 17 17 52 17.9–1.6 3.80N 128.17E 108–13 4.3,3.9b ¶610792074
DJA VI 17 17 52 18.9–.40 4N–4.0 128E–3.0 104–6 5.2b,5.0
MAN VI 17 17 52 19.7 4.24N 128.07E 107 4.8b,3.7L
NEIC VI 17 17 52 19.6–2.2 3.73N–.07 128.02E–.07 120–7 4.6b,3.7L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 29 22 18 35.0–1.3 3.4N–.30 128.9E–.50 35 3.7b 8 4-69
IDC VI 29 22 18 30.7–1.4 3.22N 128.35E 0 3.6,3.6b ¶610789742
ISC Event type ke.
IDC Error ellipse: s-maj=115.5km s-min=19.1km az=65.0.

(265) Minahassa Peninsula, Sulawesi.

ISC I 02 22 07 45.8–.66 0.02S–.05 123.20E–.05 154–6 4.1b 67 1-121
NEIC I 02 22 07 45.5–1.6 0.01N–.08 123.19E–.08 147–7 4.2b ¶609950095
IDC I 02 22 07 46.7–1.8 0.00N 123.20E 166–18 3.9,3.4b
DJA I 02 22 07 47.4–.30 0S–2.0 123E–2.0 127–4 5.3b,4.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 04 03 47 59.2–1.3 1.5N–.20 124.3E–.50 250 3.5b 6 23-68
IDC I 04 03 47 32.9–1.3 1.53N 123.86E 0 3.8,3.8b ¶610236662
ISC Event type ke.
IDC Error ellipse: s-maj=70.1km s-min=24.8km az=68.0.
ISC I 06 11 46 40.3–.49 0.04S–.05 123.49E–.06 157 4.1b 64 1-93
DJA I 06 11 46 40.4–.40 0S–4.0 124E–3.0 118–11 4.8b,4.4b ¶610236828
NEIC I 06 11 46 40.1–1.8 0.03S–.10 123.4E–.10 141–6 4.3b,4.4b
IDC I 06 11 46 41.9–3.4 0.02N 123.58E 174–35 4.0,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.5km s-min=11.3km az=63.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=27.6km s-min=12.2km az=64.0.
ISC I 06 20 58 22.4–.62 0.55N–.06 123.66E–.05 264 3.7b 38 2-71
IDC I 06 20 58 21.7–3.0 0.74N 123.85E 255–30 3.8,3.2b ¶610236856
NEIC I 06 20 58 22.4–2.4 0.59N–.09 123.65E–.07 247–10 4.1b,3.2b
DJA I 06 20 58 24.5–.50 0N–5.0 124E–3.0 232–5 3.8,3.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 08 17 29 26.2–.90 0.65N–.07 122.12E–.05 100 3.5b 26 0-58
DJA I 08 17 29 26.4–.30 1N–3.0 122E–2.0 75–4 4.6b,3.8 ¶610236974
IDC I 08 17 29 32.9–11 0.31N 122.06E 152–105 3.6,3.2b
ISC Event type ke.
IDC Error ellipse: s-maj=195.1km s-min=25.0km az=61.0.
IDC I 09 12 16 19.7–1.3 1.37N 124.40E 0 3.5,3.5b ¶610237030
IDC Error ellipse: s-maj=149.1km s-min=22.1km az=67.0.
IDC I 09 22 32 37.2–6.1 1.68N 124.42E 430–78 3.7,2.9b ¶610237042
IDC Error ellipse: s-maj=46.6km s-min=17.9km az=75.0.
DJA I 10 23 22 38.9–.70 1N–8.0 120E–5.0 34–7 3.1,3.1 ¶615345205
ISC I 12 01 30 40.7–.59 0.25N–.06 122.24E–.06 199–5 4.2b 60 0-120
NEIC I 12 01 30 40.6–1.7 0.26N–.09 122.1E–.10 190–6 4.3b ¶610237218
IDC I 12 01 30 41.7–3.6 0.28N 122.38E 208–35 4.2,3.6b
DJA I 12 01 30 42.1–.40 0N–3.0 122E–3.0 181–4 4.7b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DJA I 13 10 01 08.1–.70 1N–4.0 122E–4.0 24–6 4.3b,3.8 ¶615345241
IDC I 14 20 44 37.4–1.8 1.19N 123.85E 0 3.3,3.3b ¶610237384
IDC Error ellipse: s-maj=200.5km s-min=25.5km az=63.0.
ISC I 16 05 32 03.8–.36 0.73N–.04 120.17E–.04 10 4.6b,3.5s 100 0-98
BJI I 16 05 32 02.9–.00 0.46N 120.29E 27 5.0b,4.7b ¶610095179
NEIC I 16 05 32 04.4–1.5 0.79N–.05 120.21E–.04 10–1 4.6b,4.7b
DJA I 16 05 32 05.1–.30 1N–2.0 120E–2.0 10 5.4b,4.8
IDC I 16 05 32 13.4–2.3 0.64N 120.33E 94–23 4.3,3.9b

ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=5.8km az=150.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=18.5km s-min=11.8km az=71.0.
ISC I 17 11 11 14.1–.83 0.30S–.05 122.88E–.07 78 3.6b 20 1-59
DJA I 17 11 11 12.8–.80 0S–2.0 123E–3.0 30–13 6.0b,5.6 ¶610237594
IDC I 17 11 11 15.8–2.3 0.38S 122.73E 86–21 3.8,3.3b
ISC Event type ke.
IDC Error ellipse: s-maj=23.2km s-min=18.3km az=83.0.
ISC I 18 02 30 29.4–1.4 1.2N–.10 123.58E–.08 10 3.5b 11 1-58
IDC I 18 02 30 27.7–1.6 1.22N 123.60E 0 4.2L,3.7 ¶610237635
DJA I 18 02 30 29.3–1.2 1N–12 124E–7.0 10 3.9,3.9
ISC Event type ke.
ISC I 18 03 34 53.5–1.0 0.0N–.10 123.71E–.09 150 3.3b 12 1-59
IDC I 18 03 34 35.4–1.8 1.54N 126.06E 0 4.1s,3.5 ¶610237638
DJA I 18 03 34 52.5–.70 0N–7.0 124E–5.0 123–11 3.9,3.9
ISC Event type ke.
ISC I 19 13 46 52.8–2.1 1.2N–.20 122.79E–.07 35 3.5b 10 1-58
DJA I 19 13 46 57.0–.30 1N–5.0 123E–3.0 34–4 4.2b,4.0 ¶610237729
IDC I 19 13 47 00.3–1.8 0.33S 123.13E 0 3.6,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=282.3km s-min=26.8km az=61.0.
ISC I 20 17 04 37.5–.60 1.79N–.07 122.95E–.07 400 3.9b 59 1-61
NEIC I 20 17 04 37.9–2.8 1.7N–.10 122.92E–.09 398–10 4.1b ¶610234949
IDC I 20 17 04 37.6–1.6 1.80N 122.92E 414–17 4.2,3.2b
DJA I 20 17 04 38.7–1.0 2N–9.0 123E–6.0 389–14 4.7b,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DJA I 20 21 54 34.8–.50 1N–4.0 123E–2.0 10 4.3b,3.9 ¶615345366
IDC I 21 12 48 53.5–1.2 0.38N 124.80E 0 3.8,3.7b ¶610234997
IDC Error ellipse: s-maj=145.0km s-min=20.2km az=66.0.
ISC I 21 19 02 31.6–.51 0.24N–.07 121.93E–.08 202 4.0b 64 0-90
NEIC I 21 19 02 32.5–1.6 0.24N–.10 121.9E–.10 208–8 4.1b ¶610235008
DJA I 21 19 02 33.3–.60 0N–7.0 122E–5.0 198–8 4.5b,4.2b
IDC I 21 19 02 36.2–3.9 0.26N 122.15E 258–40 3.8,3.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.8km s-min=8.1km az=48.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=33.9km s-min=12.1km az=68.0.
IDC I 21 19 18 20.5–1.8 1.64N 124.52E 0 3.5,3.5b ¶610235010
IDC Error ellipse: s-maj=175.6km s-min=24.8km az=64.0.
IDC I 21 21 34 36.3–2.1 1.99N 124.92E 0 3.5,3.5b ¶610235023
IDC Error ellipse: s-maj=196.7km s-min=27.7km az=64.0.
DJA I 22 04 23 30.1–1.9 0N–8.0 121E–3.0 28–16 3.0,3.0 ¶615345391
ISC I 22 10 32 26.5–.91 1.07N–.09 121.18E–.05 29 3.8b 14 1-61
IDC I 22 10 32 21.0–1.0 0.97N 121.41E 0 3.9,3.9b ¶610235101
DJA I 22 10 32 29.4–.40 1N–5.0 121E–2.0 25–5 5.4b,4.8
ISC Event type ke.
IDC I 22 23 54 33.6–1.5 0.53N 123.41E 0 3.8,3.7b ¶610235146
IDC Error ellipse: s-maj=152.9km s-min=25.6km az=64.0.
ISC I 24 10 19 32.4–.29 0.94S–.04 120.35E–.05 49 4.8b,3.8s 274 1-160
MOS I 24 10 19 25.9–.82 0.87S 120.38E 13 5.1b,3.8s ¶610105986
IDC I 24 10 19 25.9–.41 0.92S 120.40E 0 5.2L,4.6
NEIC I 24 10 19 29.7–2.4 0.87S–.05 120.36E–.06 19–4 4.9b,4.4
DJA I 24 10 19 31.2–.30 1S–2.0 120E–1.0 38–3 6.7,6.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}0.89 $M_{\theta\theta}$-1.28 $M_{\phi\phi}$0.39 $M_{r\theta}$-4.64 $M_{\theta\phi}$-1.51 $M_{\phi r}$-0.82 NP1:ϕ_s19.80000°,δ15.41000°,λ29.04000°. NP2:ϕ_s261.64000°,δ82.59000°,λ103.55000°. Principal axes: T 4.5922,Plg51.0000°,Azm187.0000°; N 0.8600,Plg13.0000°,Azm80.0000°; P -5.4523,Plg36.0000°,Azm340.0000° $M_0$5.08000×10^{15}
IDC I 28 02 24 40.6–1.9 0.45N 123.17E 0 3.2,3.2b ¶610235525
IDC Error ellipse: s-maj=201.1km s-min=28.2km az=62.0.
ISC I 30 13 39 18.0–.37 0.34N–.05 123.97E–.05 200 4.4b 86 2-121
IDC I 30 13 39 17.1–2.9 0.36N 123.77E 191–27 4.2,3.7b ¶610235735
NEIC I 30 13 39 19.1–1.6 0.37N–.08 123.91E–.07 202–6 4.5b,3.7b
DJA I 30 13 39 22.3–1.2 0N–4.0 124E–2.0 18–9 4.5,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 30 15 34 32.2–.82 0.6N–.10 123.9E–.20 218 4.2b 34 2-63
IDC I 30 15 34 31.9–7.7 0.66N 123.93E 219–80 4.0,3.5s ¶610235745
NEIC I 30 15 34 34.3–1.6 0.5N–.10 123.60E–.09 236–10 4.3b,3.5s
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 01 08 14 01.0–1.0 0.83S–.05 121.41E–.06 45 3.1b 14 1-58
IDC II 01 08 13 55.5–1.7 0.78S 121.55E 0 3.6L,3.3 ¶610414595
DJA II 01 08 13 57.9–.30 1S–2.0 121E–3.0 10 3.7,3.7
ISC Event type ke.
IDC II 04 05 53 25.0–1.2 0.58N 124.53E 0 3.5,3.5L ¶610414787
IDC Error ellipse: s-maj=59.6km s-min=21.2km az=60.0.
ISC II 05 07 26 33.2–.69 0.04N–.06 123.64E–.07 100 4.1b 33 1-95
NEIC II 05 07 26 34.0–.70 0.02N–.08 123.62E–.10 100–12 4.0b ¶610414865
DJA II 05 07 26 35.3–.30 0S–3.0 124E–3.0 68–11 5.5b,5.0
IDC II 05 07 26 35.5–6.1 0.00N 123.44E 115–57 4.1s,4.1
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.0km s-min=11.2km az=75.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=52.0km s-min=18.0km az=58.0.
ISC II 05 11 14 12.9–.48 0.27N–.06 121.98E–.06 200 4.3b 64 0-91
NEIC II 05 11 14 13.2–1.4 0.29N–.08 122.0E–.10 196–9 4.6b ¶610414877
DJA II 05 11 14 13.3–.40 0N–3.0 122E–2.0 185–3 7.7,7.3
IDC II 05 11 14 14.0–1.7 0.24N 122.07E 212–17 4.1,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.8km s-min=3.7km az=53.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=17.9km s-min=10.8km az=70.0.
ISC II 05 16 38 24.7–.80 0.32S–.07 123.39E–.07 10 3.6b 18 1-59
IDC II 05 16 38 21.9–1.2 0.02N 124.01E 0 3.7,3.7b ¶610414894
DJA II 05 16 38 27.7–.70 1S–3.0 123E–2.0 12–6 5.0,4.7
ISC Event type ke.
IDC II 06 12 38 13.3–1.8 1.90N 124.51E 0 3.5,3.5b ¶610414970
IDC Error ellipse: s-maj=202.1km s-min=24.3km az=64.0.
ISC II 06 12 42 41.3–.30 0.92N–.04 123.83E–.04 250 4.6b 247 1-161
NEIC II 06 12 42 40.3–2.0 1.04N–.09 123.83E–.08 232–7 4.8b ¶610198057
DJA II 06 12 42 40.4–.10 1N–2.0 124E–1.0 238–1 5.2b,4.8b
IDC II 06 12 42 40.7–1.3 0.99N 123.74E 248–13 4.6,4.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.0km s-min=10.3km az=207.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=14.1km s-min=7.6km az=60.0.
ISC II 08 23 54 17.7–.48 0.39N–.06 123.87E–.06 218 4.2b 53 1-93
IDC II 08 23 54 17.0–3.1 0.39N 123.60E 209–30 4.6s,4.3 ¶610415148
NEIC II 08 23 54 17.2–1.9 0.43N–.09 123.91E–.08 203–6 4.4b,4.3

DJA II 08 23 54 18.1–.50 0N–8.0 124E–4.0 195–5 4.5b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC II 09 20 23 15.8–1.6 1.56N 124.31E 0 3.4,3.3b
¶610415198
IDC Error ellipse: s-maj=194.0km s-min=23.7km az=64.0.
ISC II 10 18 28 02.0–.25 0.22S–.03 122.99E–.03 82–2 5.2b 788 1-166
MOS II 10 18 27 59.3–.96 0.13S 122.98E 71 5.3b **¶610208018**
BJI II 10 18 28 00.0–.00 0.10S 123.10E 60 5.2b,5.1b
GCMT II 10 18 28 00.0–.30 0.10S–.02 123.09E–.03 61–2 5.0W,5.1b
IDC II 10 18 28 01.5–.46 0.16S 122.94E 79–4 4.7,4.4b
NEIC II 10 18 28 03.0–1.8 0.19S–.05 123.02E–.05 81–4 5.3b,5.0
DJA II 10 18 28 02.8–.10 0S–2.0 123E–1.0 74–2 5.6,5.6b
NEIC II 10 18 28 06 0.18S 123.02E 60 5.6,5.6b
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s178.26140°,δ65.04043°,λ66.68658°. NP2: ϕ_s43.86375°,δ33.63482°,λ130.37376°. Principal axes: T Plg62.5123°,Azm50.9385° ; N Plg21.0265°,Azm188.5680°; P Plg16.8785°,Azm285.2657°
MOS Error ellipse: s-maj=9.7km s-min=5.1km az=113.8.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s31,c34; s76,c98;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}4.56±.31 $M_{\theta\theta}$-1.19±.19; $M_{\phi\phi}$-3.37±.21; $M_{r\theta}$1.07±.12; $M_{\theta\phi}$-2.03±.12; $M_{\phi r}$-0.38±.18; Best double couple: NP1:ϕ_s44.00000°,δ48.00000°,λ108.00000°. NP2:ϕ_s198.00000°,δ45.00000°,λ71.00000°. Principal axes: T 4.8240,Plg77.0000° ,Azm25.0000°; N -0.2340,Plg13.0000°,Azm212.0000°; P -4.5900,Plg1.0000°,Azm121.0000° $M_0$4.70700×10^{16}
IDC Error ellipse: s-maj=12.1km s-min=8.0km az=75.0.
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=7.1km az=201.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution.Duration: 8s0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.67 $M_{\theta\theta}$-2.00 $M_{\phi\phi}$-1.67 $M_{r\theta}$0.22 $M_{\theta\phi}$-2.01 $M_{\phi r}$-0.55 NP1:ϕ_s56.00000°,δ44.00000° ,λ103.00000°. NP2:ϕ_s219.00000°,δ47.00000°,λ78.00000°. Principal axes: T 3.7634,Plg81.0000°,Azm57.0000°; N 0.0954,Plg9.0000°,Azm227.0000° ; P -3.8588,Plg2.0000°,Azm317.0000° $M_0$3.81000×10^{16}
IDC II 11 12 33 46.0–2.1 1.72N 124.85E 0 3.2,3.1b
¶610415317
IDC Error ellipse: s-maj=210.0km s-min=28.5km az=64.0.
ISC II 11 20 38 08.9–1.1 1.7N–.20 124.6E–.50 235 3.4b 6 12-58
IDC II 11 20 38 17.4–9.0 1.45N 124.41E 333–102 3.9,3.0b **¶610415333**
ISC Event type ke.
IDC Error ellipse: s-maj=111.1km s-min=18.1km az=60.0.
IDC II 15 12 10 56.6–1.9 0.88N 123.98E 0 3.1,3.1b
¶610415565
IDC Error ellipse: s-maj=188.5km s-min=28.3km az=63.0.
DJA II 22 08 17 57.2–.50 1N–5.0 121E–4.0 59–11 3.9b,3.8
¶615345710
ISC II 24 22 33 22.0–3.4 1.8N–.40 121.3E–.10 10 3.7b 7 1-56
IDC II 24 22 33 25.1–1.6 1.05N 121.18E 0 3.7,3.7b **¶610384962**
DJA II 24 22 33 26.5–1.3 1N–15 121E–4.0 10 3.6,3.6
ISC Event type ke.
IDC II 24 22 57 20.1–1.2 0.78N 123.25E 0 3.6,3.5b
¶610384964
IDC Error ellipse: s-maj=179.4km s-min=21.5km az=65.0.
ISC II 25 03 56 05.5–.54 0.27N–.06 122.36E–.09 200 4.2b 42 0-120
IDC II 25 03 56 05.9–.91 0.26N 122.33E 194–9 4.0,3.5b **¶610384975**
NEIC II 25 03 56 05.2–1.3 0.2N–.10 122.2E–.10 180–5 4.2b,3.5b
DJA II 25 03 56 06.8–.60 0N–4.0 122E–4.0 163–5 4.6b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 25 10 49 15.0–.91 0.09S–.06 123.59E–.05 100 3.7b 17 1-59
IDC II 25 10 49 02.6–1.2 0.48N 124.18E 0 4.0L,3.7 **¶610384995**
DJA II 25 10 49 17.0–.40 0S–4.0 124E–3.0 65–15 4.5b,4.4
ISC Event type ke.
DJA II 26 00 19 44.6–.20 0S–3.0 123E–2.0 10 5.3b,4.7
¶615345749
ISC II 26 09 24 33.6–.35 1.20N–.04 122.51E–.05 42–3 4.7b,3.6s 198 1-126
DJA II 26 09 24 30.1–.60 1N–2.0 123E–1.0 21–4 5.6,5.4 **¶610241379**
BJI II 26 09 24 32.2–.00 0.91N 122.69E 55 5.0b,4.7b
IDC II 26 09 24 34.8–2.4 1.20N 122.50E 56–21 4.5L,4.4
NEIC II 26 09 24 34.4–1.9 1.25N–.06 122.43E–.06 42–7 4.9b,4.4
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s239.17087°,δ31.36632°,λ-18.65998°. NP2: ϕ_s345.25580°,δ80.41346°,λ-120.00867°. Principal axes: T Plg29.0786°,Azm99.1250° ; N Plg29.5476°,Azm350.7498°; P Plg46.1807°,Azm224.5410°
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 27 05 28 56.5–.96 0.16S–.08 123.13E–.07 150 3.5b 13 1-59
IDC II 27 05 28 41.5–1.5 0.09N 123.02E 0 3.6,3.5b **¶610385096**
DJA II 27 05 28 57.0–.50 0S–4.0 123E–4.0 127–6 4.0,4.0
ISC Event type ke.
ISC III 01 03 19 12.0–.63 0.18S–.06 122.99E–.07 162 3.9b 37 1-120
IDC III 01 03 19 09.2–3.7 0.10S 123.03E 130–38 4.0,3.6b **¶610545290**
DJA III 01 03 19 11.7–.30 0S–3.0 123E–2.0 138–5 5.4b,4.8
ISC Event type ke.
ISC III 03 04 32 23.1–.85 0.79S–.06 121.49E–.06 10 3.6b,3.0s 18 1-63
IDC III 03 04 32 21.5–1.0 0.81S 121.48E 0 3.9L,3.8 **¶610545428**
DJA III 03 04 32 22.9–.30 1S–3.0 121E–3.0 10 5.6b,5.2
ISC Event type ke.
DJA III 04 08 26 24.5–.50 0N–6.0 123E–5.0 161–6 4.1b,4.0
¶615345795
IDC III 04 08 39 23.4–2.1 0.00N 123.50E 0 3.2,3.2b
¶610545508
IDC Error ellipse: s-maj=328.0km s-min=28.3km az=62.0.
DJA III 05 04 16 12.5–.30 1S–3.0 120E–4.0 10 4.3b,3.9
¶615345805
DJA III 06 10 41 28.0–1.8 1N–18 120E–8.0 19–5 3.9b,3.9
¶615345811
ISC III 07 12 31 01.0–.30 0.81N–.04 123.85E–.05 250 4.4b 231 1-124
NEIC III 07 12 31 03.2–1.4 0.79N–.08 123.86E–.07 269–7 4.5b **¶610271548**
IDC III 07 12 31 04.0–1.6 0.84N 123.78E 281–16 4.5,3.9b
DJA III 07 12 31 04.5–.40 1N–4.0 124E–3.0 245–4 4.7b,4.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 07 16 24 16.4–.50 0.82S–.06 122.25E–.05 26 4.3b 62 1-69
IDC III 07 16 24 11.9–.76 0.60S 122.34E 0 4.6L,4.0 **¶610273054**
DJA III 07 16 24 14.9–.20 1S–2.0 122E–2.0 10 5.1b,4.9b
NEIC III 07 16 24 18.4–2.4 0.87S–.07 122.30E–.06 41–11 4.3b,4.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC III 07 17 04 33.4–1.9 0.55N 123.77E 0 3.1,3.1b
¶610545746
IDC Error ellipse: s-maj=202.6km s-min=28.5km az=62.0.
DJA III 07 17 36 54.2–.60 1S–3.0 122E–4.0 12–6 4.4b,3.9
¶615345815
ISC III 13 05 45 26.2–.91 0.3N–.10 122.0E–.10 183–7 3.7b 12 0-119
DJA III 13 05 45 26.8–.80 0N–6.0 122E–5.0 171–6 3.7,3.7 **¶610546114**
IDC III 13 05 45 28.4–13 0.20N 121.89E 205–137 3.8,3.3b
ISC Event type ke.
IDC Error ellipse: s-maj=119.0km s-min=18.2km az=69.0.
DJA III 13 06 29 21.8–.80 0S–3.0 123E–5.0 13–9 3.6,3.6
¶615345864
ISC III 13 21 11 00.1–.89 0.91N–.08 120.72E–.05 10 3.4b 16 1-57
IDC III 13 21 10 59.0–1.3 0.86N 120.97E 0 3.3,3.3b **¶610546162**
DJA III 13 21 11 00.6–.30 1N–3.0 121E–2.0 10 4.2b,4.1
ISC Event type ke.
ISC III 14 05 55 21.0–.19 0.57N–.03 121.15E–.03 84–1 5.5b 1140 1-165
BJI III 14 05 55 17.2–.00 0.29N 121.45E 86 5.5b,5.4b **¶610327695**
MOS III 14 05 55 18.4–.92 0.64N 121.21E 74 5.8b,4.2s
NEIC III 14 05 55 21.3 0.66N 121.16E 60 5.8b,4.2s
DJA III 14 05 55 21.4–.10 1N–1.0 121E–1.0 79–2 6.0,5.9b
NEIC III 14 05 55 21.3 0.76N 121.16E 60 6.0,5.9b
NEIC III 14 05 55 21.5–2.4 0.65N–.06 121.15E–.06 75–4 5.6b,5.4
GCMT III 14 05 55 21.5–.10 0.70N–.01 121.14E–.01 88–1 5.4W,5.4
IDC III 14 05 55 22.9–1.4 0.60N 121.18E 101–12 5.2,4.9b
KLM III 14 05 55 30 0.96N 120.64E 98 5.9b,4.9b
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s154.00291°,δ57.98035°,λ-168.57076°. NP2: ϕ_s57.88470°,δ80.32779°,λ-32.53778°. Principal axes: T Plg14.8396°,Azm109.8102° ; N Plg56.2071°,Azm223.1313°; P Plg29.5852°,Azm11.1588°
MOS Error ellipse: s-maj=8.2km s-min=4.2km az=114.2.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2s7 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.11 $M_{\theta\theta}$-1.26 $M_{\phi\phi}$1.37 $M_{r\theta}$-0.99 $M_{\theta\phi}$0.17 $M_{\phi r}$-0.06 NP1:ϕ_s45.71000°,δ74.29000° ,λ-26.60000°. NP2:ϕ_s143.43000°,δ64.47000°,λ-162.54000°. Principal axes: T 1.3917,Plg7.0000°,Azm96.0000°; N 0.4398,Plg59.0000°,Azm197.0000° ; P -1.8316,Plg30.0000°,Azm2.0000° $M_0$1.61000×10^{17}
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=7.7km az=45.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s126,c191; s138,c266;Duration: 1s3 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.51±.02 $M_{\theta\theta}$-1.10±.02; $M_{\phi\phi}$1.61±.02; $M_{r\theta}$-0.94±.01; $M_{\theta\phi}$0.21±.02; $M_{\phi r}$-0.14±.02; Best double couple: NP1:ϕ_s44.00000°,δ70.00000°,λ-32.00000°. NP2:ϕ_s146.00000°,δ60.00000°,λ-157.00000°. Principal axes: T 1.6510,Plg7.0000° ,Azm97.0000°; N 0.1460,Plg53.0000°,Azm196.0000°; P -1.7930,Plg36.0000°,Azm2.0000° $M_0$1.72200×10^{17}
IDC Error ellipse: s-maj=10.3km s-min=6.4km az=59.0.
ISC III 14 08 47 30.3–1.9 0.8N–.20 121.12E–.07 35 3.1b 8 1-57
IDC III 14 08 47 22.7–1.8 1.10N 122.03E 0 3.1,3.1b **¶610546192**
DJA III 14 08 47 33.2–.50 1N–7.0 121E–3.0 33–14 4.2b,4.0
ISC Event type ke.
ISC III 14 23 01 52.7–.89 0.11S–.07 123.74E–.06 157 3.5b 17 1-59
DJA III 14 23 01 51.4–.30 0S–3.0 124E–2.0 10 4.1b,4.1 **¶610546221**
IDC III 14 23 01 55.7–8.4 0.12S 123.47E 170–88 3.6,3.1b
ISC Event type ke.
IDC Error ellipse: s-maj=80.5km s-min=19.3km az=57.0.
DJA III 15 15 49 24.3–1.0 0N–5.0 122E–6.0 146–8 1.9,1.9
¶616501302
ISC III 15 20 10 16.3–.47 0.05S–.06 123.52E–.05 150 4.0b 66 1-121
NEIC III 15 20 10 15.6–2.6 0.09N–.09 123.65E–.07 130–10 4.2b **¶610546271**
IDC III 15 20 10 16.4–2.0 0.11N 123.61E 151–19 3.9,3.6b
DJA III 15 20 10 17.5–.30 0S–3.0 124E–3.0 123–6 4.8b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DJA III 16 01 07 51.4–.60 2N–6.0 124E–3.0 295–5 4.6b,3.9
¶615345915
ISC III 16 17 28 22.9–.90 0.25S–.06 123.05E–.08 100 3.3b 17 1-59
IDC III 16 17 28 13.2–1.4 0.20S 123.01E 0 3.3,3.3b **¶610546325**
DJA III 16 17 28 23.0–.20 0S–3.0 123E–3.0 46–14 4.8b,4.1b
ISC Event type ke.
IDC III 18 16 52 53.7–1.7 1.41N 124.40E 0 3.2,3.2b
¶610546461
IDC Error ellipse: s-maj=186.5km s-min=28.0km az=67.0.
ISC III 21 14 04 53.3–.45 0.05S–.05 123.01E–.05 162 4.2b 70 1-120
NEIC III 21 14 04 53.2–2.0 0.12N–.06 123.23E–.07 160–4 4.3b **¶610543408**
IDC III 21 14 04 54.2–2.5 0.07N 123.21E 170–23 3.9,3.4b
DJA III 21 14 04 54.7–.30 0N–2.0 123E–2.0 148–4 5.0b,4.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 21 17 32 25.9–.55 0.75N–.05 123.71E–.04 277–5 4.2b 137 2-121
NEIC III 21 17 32 26.4–2.1 0.72N–.05 123.69E–.04 271–7 4.3b **¶610401478**
IDC III 21 17 32 26.2–1.8 0.89N 123.97E 279–17 4.2,3.6b
DJA III 21 17 32 28.1–.20 1N–3.0 124E–2.0 255–3 5.0b,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 22 15 11 00.8–.98 0.77N–.05 120.36E–.05 43–10 4.0b,3.1s 44 1-81
DJA III 22 15 11 00.3–.40 1N–4.0 120E–3.0 16–4 4.6b,4.4 **¶610543473**
NEIC III 22 15 11 00.2–1.7 0.70N–.04 120.43E–.06 37–11 4.0b,4.4
IDC III 22 15 11 03.0–5.1 0.64N 120.49E 71–52 3.9,3.7L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=2.9km az=126.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=51.4km s-min=16.2km az=62.0.
IDC III 24 22 34 45.3–1.2 0.73N 122.21E 0 3.5,3.5b
¶610543619
IDC Error ellipse: s-maj=186.4km s-min=21.8km az=62.0.
IDC III 25 20 21 55.8–1.5 0.22N 121.50E 0 3.5,3.5b
¶610543664
IDC Error ellipse: s-maj=217.9km s-min=25.1km az=60.0.
ISC III 28 12 39 47.5–.47 1.16N–.07 121.46E–.09 500 3.8b 67 1-96
NEIC III 28 12 39 48.3–1.4 1.1N–.10 121.4E–.10 511–9 4.0b **¶610543849**
IDC III 28 12 39 49.0–1.5 1.14N 121.54E 522–18 4.0,3.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.6km s-min=14.2km az=54.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=28.2km s-min=9.8km az=65.0.
ISC III 29 08 20 13.2–.30 0.00N–.03 123.30E–.04 155–2 4.9b 998 1-175
MOS III 29 08 20 12.2–.93 0.13N 123.18E 161 4.9b **¶611832151**
NEIC III 29 08 20 12.1–2.0 0.05N–.07 123.37E–.07 138–4 5.0b
IDC III 29 08 20 13.3–1.1 0.06N 123.27E 155–9 4.9,4.5b
DJA III 29 08 20 13.2–.10 0S–2.0 123E–1.0 146–2 5.4b,5.3
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s89.68417°,δ62.39628°,λ73.17394°. NP2: ϕ_s302.81519°,δ31.97983°,λ118.96944°. Principal axes: T Plg68.0381°,Azm326.5023° ; N Plg14.8636°,Azm97.6608°; P Plg15.7924°,Azm191.9656°
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC III 29 09 56 06.3–1.5 0.11N 121.14E 0 3.7,3.7b
¶610543919
IDC Error ellipse: s-maj=162.4km s-min=25.4km az=61.0.
IDC III 31 06 52 05.1–1.7 1.97N 123.81E 0 3.6,3.6b
¶610544035
IDC Error ellipse: s-maj=194.2km s-min=24.9km az=62.0.
ISC III 31 11 20 60.0–.20 0.24N–.02 120.62E–.03 99–1 5.5b 1743 1-177
MOS III 31 11 20 59.4–.81 0.33N 120.66E 104 5.6b,4.3s **¶610465780**
BJI III 31 11 21 00.3–.00 0.44N 120.59E 90 5.2b,5.2b
DJA III 31 11 21 00.1–.10 0N–1.0 121E–1.0 98–2 6.0,5.9b
NEIC III 31 11 21 00.5 0.30N 120.60E 90 6.0,5.9b
NEIC III 31 11 21 00.5 0.30N 120.60E 90 6.0,5.9b
KLM III 31 11 21 00 0.35N 120.54E 10 5.8b,5.9b
NEIC III 31 11 21 00.5 0.30N 120.60E 87 5.8b,5.9b
IDC III 31 11 21 00.4–.59 0.22N 120.57E 103–4 5.4,5.0b
GCMT III 31 11 21 01.0–.10 0.37N–.01 120.59E–.01 102–0 5.5W,5.0b
NEIC III 31 11 21 01.0–2.2 0.31N–.06 120.58E–.06 94–1 5.6,5.6b
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s345.79382°,δ36.53993°,λ95.12398°. NP2: ϕ_s159.42558°,δ53.62956°,λ86.21351°. Principal axes: T Plg80.9081°,Azm52.2373° ; N Plg3.0481°,Azm161.6731°; P Plg8.5575°,Azm252.1322°
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 3s1 Moment tensor: Scale 10^{17}Nm; M_{rr}2.27 $M_{\theta\theta}$-0.56 $M_{\phi\phi}$-1.70 $M_{r\theta}$-0.66 $M_{\theta\phi}$1.07 $M_{\phi r}$-1.06 NP1:ϕ_s170.89000°,δ56.27000° ,λ116.16000°. NP2:ϕ_s309.40000°,δ41.71000°,λ56.56000°. Principal axes: T 2.7867,Plg67.0000°,Azm134.0000°; N -0.3640,Plg22.0000°,Azm336.0000° ; P -2.4226,Plg8.0000°,Azm243.0000° $M_0$2.60000×10^{17}
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s141,c234; s154,c290;Duration: 1s4 Moment tensor: Scale 10^{17}Nm; M_{rr}2.18±.03 $M_{\theta\theta}$-0.89±.03; $M_{\phi\phi}$-1.29±.04; $M_{r\theta}$-0.62±.02;

$M_{\theta\phi}$0.92±.03; $M_{\phi r}$-1.18±.03; Best double couple: NP1:ϕ_s165.00000°,δ57.00000°,λ116.00000°. NP2:ϕ_s303.00000°,δ41.00000°,λ56.00000°. Principal axes: T 2.7550,Plg66.0000° ,Azm126.0000°; N -0.6400,Plg22.0000°,Azm330.0000°; P -2.1110,Plg9.0000° ,Azm237.0000° $M_0$2.43300×10^{17}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}2.27 $M_{\theta\theta}$-0.93 $M_{\phi\phi}$-1.34 $M_{r\theta}$-0.05 $M_{\theta\phi}$1.02 $M_{\phi r}$-1.50 NP1:ϕ_s160.33000°,δ61.46000°,λ108.36000°. NP2:ϕ_s305.54000° ,δ33.51000°,λ59.92000°. Principal axes: T 2.8555,Plg68.0000°,Azm107.0000° ; N -0.3880,Plg16.0000°,Azm331.0000°; P -2.4675,Plg15.0000°,Azm237.0000° $M_0$2.68000×10^{17}
DJA IV 04 05 01 55.5–1.1 1N–10 124E–4.0 10 3.3,3.3 ¶615346069
ISC IV 05 20 07 14.2–.43 0.45N–.05 123.64E–.05 250 4.5b 73 2-96
NEIC IV 05 20 07 14.8–1.4 0.48N–.06 123.68E–.08 246–8 4.5b **¶610652025**
DJA IV 05 20 07 15.5–.40 0N–4.0 124E–2.0 235–4 4.5b,4.1
IDC IV 05 20 07 18.3–8.9 0.53N 123.75E 299–102 4.3,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.2km s-min=7.8km az=100.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=31.8km s-min=14.0km az=77.0.
DJA IV 06 14 08 01.2–.30 0S–3.0 123E–3.0 79–7 4.2b,4.0 ¶615346093
ISC IV 07 09 50 00.6–.84 0.28N–.08 122.00E–.09 193–7 3.5b 16 0-119
IDC IV 07 09 50 03.5–3.9 0.07N 121.85E 223–40 3.7,3.2b **¶610652142**
DJA IV 07 09 50 03.1–.60 0N–4.0 122E–4.0 167–6 3.9b,3.8
ISC Event type ke.
ISC IV 07 18 45 25.8–.38 0.27N–.05 122.15E–.05 200 4.4b 142 0-147
NEIC IV 07 18 45 25.4–1.6 0.31N–.06 122.10E–.04 190–6 4.4b **¶610518541**
DJA IV 07 18 45 26.4–.20 0N–3.0 122E–2.0 172–2 5.0b,4.5b
IDC IV 07 18 45 27.0–2.0 0.22N 122.13E 210–18 4.3,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.0km s-min=4.8km az=151.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=35.6km s-min=10.1km az=65.0.
ISC IV 09 11 33 54.3–.88 0.29N–.08 121.88E–.06 200 3.2b 18 0-62
DJA IV 09 11 33 54.8–.60 0N–6.0 122E–3.0 190–5 4.8b,4.1 **¶610652296**
IDC IV 09 11 33 55.6–7.0 0.22N 121.82E 211–75 3.5,2.9b
ISC Event type ke.
IDC Error ellipse: s-maj=107.4km s-min=16.5km az=58.0.
ISC IV 10 01 23 52.0–.99 0.61S–.05 123.42E–.06 10 3.5b 13 1-59
DJA IV 10 01 23 52.0–.40 1S–4.0 123E–4.0 10 4.2b,4.0 **¶610652328**
IDC IV 10 01 23 59.4–8.4 0.82S 123.44E 75–83 3.8L,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=59.1km s-min=26.0km az=48.0.
ISC IV 11 11 41 05.2–1.1 0.22S–.06 121.97E–.06 10 3.2b 12 1-37
IDC IV 11 11 40 59.0–18 0.41N 122.14E 0 3.4,3.4b **¶610652451**
DJA IV 11 11 41 06.8–.90 0S–2.0 122E–3.0 15–8 4.0b,3.7
ISC Event type ke.
DJA IV 12 06 11 49.5–1.4 1S–8.0 124E–7.0 15–12 3.2,3.2 ¶615346148
ISC IV 12 19 38 26.5–.98 1.07N–.09 121.45E–.05 10 3.3b 13 1-57
IDC IV 12 19 38 25.2–1.4 0.87N 121.11E 0 3.3,3.3b **¶610652576**
DJA IV 12 19 38 26.7–.30 1N–4.0 121E–2.0 10 4.0b,3.8
ISC Event type ke.
DJA IV 13 05 00 17.5–1.6 1S–3.0 124E–2.0 11–13 5.1b,4.5 ¶615346152
ISC IV 14 03 45 24.2–1.0 1.15N–.08 121.87E–.07 44 3.4b 20 1-48
DJA IV 14 03 45 23.2–.40 1N–3.0 122E–2.0 12–3 4.7b,4.4b **¶610652681**
IDC IV 14 03 45 27.0–6.6 0.96N 122.01E 75–61 3.6,3.4L
ISC Event type ke.
IDC Error ellipse: s-maj=96.8km s-min=27.0km az=66.0.
ISC IV 16 10 07 16.0–.65 0.33N–.06 121.59E–.06 150 4.0b 40 0-90
IDC IV 16 10 06 59.5–1.1 0.69N 122.21E 0 3.8,3.8b **¶610652862**
NEIC IV 16 10 07 15.9–1.4 0.21N–.06 121.4E–.10 133–9 4.1b,3.8b
DJA IV 16 10 07 16.9–.40 0N–3.0 122E–2.0 131–4 4.9b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 16 17 02 14.4–.85 0.46N–.09 123.92E–.06 218 3.6b 18 1-59
IDC IV 16 17 02 16.7–5.6 0.41N 123.70E 244–59 3.8,3.2b **¶610652877**
DJA IV 16 17 02 17.6–.60 0N–4.0 124E–3.0 183–7 3.9,3.8
ISC Event type ke.
ISC IV 17 11 26 59.2–1.0 0.34S–.06 123.06E–.06 78 2.9b 15 1-59
IDC IV 17 11 26 47.2–1.8 1.10N 125.46E 0 3.2,3.2b **¶615346201**
DJA IV 17 11 27 00.1–.30 0S–3.0 123E–3.0 54–10 4.1b,4.0
ISC Event type ke.
DJA IV 17 19 45 48.4–1.1 1N–6.0 120E–7.0 10 3.7,3.7 ¶615346193
DJA IV 19 21 01 13.3–.30 1S–3.0 123E–2.0 10 6.0b,5.6 ¶615346211
DJA IV 22 20 37 27.1–.70 2N–5.0 124E–4.0 229–10 5.2b,4.5 ¶615346225
ISC IV 22 22 53 38.8–.82 0.55N–.09 123.58E–.06 264 3.5b 23 2-58
IDC IV 22 22 53 11.1–1.1 0.83N 123.26E 0 3.8,3.8b **¶610653289**
DJA IV 22 22 53 41.1–.70 0N–6.0 124E–3.0 243–6 3.9,3.9
ISC Event type ke.
ISC IV 23 12 02 49.4–.76 0.61N–.07 122.39E–.06 114 3.7b 22 0-62
DJA IV 23 12 02 48.9–.40 1N–4.0 122E–2.0 98–4 4.8b,4.4b **¶610649816**
IDC IV 23 12 02 49.9–6.8 0.46N 122.50E 123–65 3.7,3.3b
ISC Event type ke.
IDC Error ellipse: s-maj=85.8km s-min=15.8km az=59.0.
ISC IV 27 11 31 05.0–.78 1.75N–.05 123.54E–.07 35 3.9b 21 1-67
DJA IV 27 11 31 02.4–.40 2N–5.0 123E–3.0 10 4.0,4.0 **¶610650127**
IDC IV 27 11 31 07.1–1.1 2.02N 124.23E 56–8 3.7,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=166.1km s-min=14.7km az=63.0.
IDC IV 28 18 34 00.7–25 1.87N 122.36E 0 3.7,3.7b ¶610650247
IDC Error ellipse: s-maj=425.4km s-min=266.2km az=152.0.
ISC IV 30 00 23 01.0–.90 0.18S–.05 122.84E–.06 100 3.5b 20 1-59
IDC IV 30 00 23 01.5–2.9 0.22S 122.81E 107–30 3.7,3.2b **¶610650367**
DJA IV 30 00 23 01.4–.40 0S–4.0 123E–2.0 86–11 5.1b,4.5b
ISC Event type ke.
ISC IV 30 07 02 46.2–.87 0.65S–.05 121.52E–.05 35 3.5b 20 1-62
IDC IV 30 07 02 40.7–1.1 0.61S 121.70E 0 3.7L,3.5 **¶610650390**
DJA IV 30 07 02 44.4–.30 1S–3.0 122E–2.0 10 5.4b,4.9
ISC Event type ke.
DJA IV 30 20 06 19.6–.30 1N–3.0 125E–2.0 10 3.5,3.5 ¶615346291
ISC V 01 14 26 57.1–.37 0.05N–.05 123.37E–.05 150 4.5b 118 1-126
NEIC V 01 14 26 56.9–1.6 0.03N–.07 123.45E–.06 141–7 4.6b **¶610589751**
IDC V 01 14 26 57.7–1.5 0.04N 123.32E 160–14 4.1,3.7b
DJA V 01 14 26 58.4–.30 0S–3.0 123E–2.0 131–7 4.6b,4.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DJA V 01 18 23 00.6–.50 2N–4.0 125E–3.0 258–5 4.5b,3.8 ¶615346309
IDC V 08 14 26 45.3–1.9 0.78N 123.50E 0 3.1,3.1b ¶610689797
IDC Error ellipse: s-maj=198.9km s-min=28.1km az=62.0.
ISC V 10 17 56 59.3–.89 0.21S–.06 119.90E–.06 32 3.6b 21 1-57
DJA V 10 17 56 57.8–.30 0S–2.0 120E–3.0 10 5.0b,4.4b **¶610689981**
IDC V 10 17 57 02.3–3.9 0.29S 120.03E 51–41 3.8L,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=45.3km s-min=23.9km az=67.0.
DJA V 10 19 18 20.3–.30 0S–3.0 120E–3.0 10 3.9b,3.7 ¶615346383
ISC V 14 02 12 11.4–1.1 0.3N–.10 121.99E–.08 155–10 3.5b 9 0-58
IDC V 14 02 11 54.0–1.6 0.16N 121.61E 0 3.6,3.6b **¶610690234**
DJA V 14 02 12 13.6–1.0 0N–9.0 122E–5.0 131–12 3.2,3.2
ISC Event type ke.
DJA V 15 04 17 30.6–.50 0S–4.0 123E–4.0 50–18 4.0b,3.7 ¶615346505
DJA V 15 22 19 38.8–.40 1N–3.0 121E–3.0 10 3.7,3.7 ¶615346496
ISC V 15 22 21 56.0–.81 0.83N–.07 120.69E–.05 10 3.6b 14 1-61
DJA V 15 22 21 55.5–.30 1N–3.0 121E–2.0 10 4.2b,4.2 **¶610690363**
IDC V 15 22 22 06.1–5.0 0.67N 120.74E 104–55 3.6,3.2b
ISC Event type ke.
IDC Error ellipse: s-maj=56.8km s-min=19.8km az=65.0.
DJA V 17 10 38 07.6–.90 0S–3.0 124E–3.0 15–8 5.0b,4.2 ¶615346516
ISC V 17 10 43 05.9–.45 0.21S–.04 122.96E–.05 100 4.2b 84 1-80
IDC V 17 10 43 05.8–.72 0.12S 123.13E 103–5 4.0,3.6b **¶610641795**
NEIC V 17 10 43 06.5–2.6 0.26S–.06 122.90E–.07 101–7 4.2b,3.6b
DJA V 17 10 43 06.7–.20 0S–2.0 123E–2.0 84–5 5.0b,4.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 18 12 56 19.7–.52 0.16S–.05 123.61E–.05 100 4.2b 48 1-77
IDC V 18 12 56 19.3–1.7 0.06S 123.60E 94–16 4.3,3.8b **¶610642306**
DJA V 18 12 56 19.6–.20 0S–2.0 124E–2.0 70–6 5.1b,4.9b
ISC Event type ke.
DJA V 20 09 59 04.2–.30 0S–2.0 123E–2.0 57–8 4.0b,3.9 ¶615346544
DJA V 23 20 15 39.5–.30 0S–3.0 123E–3.0 49–19 5.4b,4.9 ¶615346582
IDC V 23 23 32 15.2–1.4 1.82N 124.73E 0 3.5,3.5b ¶610685253
IDC Error ellipse: s-maj=160.2km s-min=23.1km az=67.0.
ISC V 24 00 31 32.2–.91 0.3N–.10 122.1E–.10 200 3.5b 13 0-58
DJA V 24 00 31 33.7–.70 0N–6.0 122E–5.0 179–5 4.7b,3.9 **¶610685257**
IDC V 24 00 31 34.5–8.2 0.04S 121.74E 215–79 3.7,3.2b
ISC Event type ke.
IDC Error ellipse: s-maj=189.6km s-min=22.6km az=60.0.
ISC V 25 02 39 27.7–.69 0.29S–.05 122.92E–.06 100 4.0b 26 1-120
IDC V 25 02 39 27.2–4.2 0.23S 122.92E 94–41 4.0,3.7b **¶610685330**
DJA V 25 02 39 28.5–.30 0S–2.0 123E–2.0 80–6 5.6b,5.1
ISC Event type ke.
ISC V 25 08 43 03.1–.43 0.06S–.05 123.21E–.05 162 4.2b 71 1-121
DJA V 25 08 43 02.4–.40 0S–4.0 123E–2.0 150–5 4.2,4.2 **¶610685350**
NEIC V 25 08 43 02.9–2.0 0.05S–.07 123.21E–.08 154–6 4.5b,4.2
IDC V 25 08 43 03.6–1.8 0.01N 123.17E 166–17 4.1,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=10.4km az=55.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=20.5km s-min=9.9km az=75.0.
DJA V 27 20 59 36.7–.60 0S–4.0 123E–4.0 123–7 3.3,3.3 ¶615346633
ISC V 28 10 14 24.4–.77 0.61N–.07 120.10E–.07 50 4.1b 34 0-81
DJA V 28 10 14 25.3–.70 1N–7.0 120E–6.0 10 4.1b,4.1 **¶610685550**
NEIC V 28 10 14 26.5–1.4 0.63N–.07 120.3E–.10 68–9 4.0b,4.1
IDC V 28 10 14 28.1–5.9 0.62N 120.58E 81–52 4.0,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.1km s-min=10.0km az=73.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=89.7km s-min=21.9km az=58.0.
ISC V 28 11 04 31.3–.49 0.54N–.05 121.21E–.06 89 4.5b 70 1-81
NEIC V 28 11 04 31.5–2.0 0.61N–.03 121.22E–.05 82–7 4.7b **¶610655205**
DJA V 28 11 04 31.7–.30 1N–4.0 121E–2.0 64–6 5.3b,4.8
IDC V 28 11 04 33.7–4.0 0.40N 121.08E 116–41 4.2,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=2.5km az=121.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=44.5km s-min=15.0km az=64.0.
ISC V 30 17 54 51.3–.92 0.23N–.09 123.38E–.06 250 3.2b 23 1-59
IDC V 30 17 54 21.6–2.1 1.65N 125.18E 0 3.5,3.5b **¶610685734**
DJA V 30 17 54 51.4–.60 0N–6.0 123E–3.0 250–5 3.4,3.4
ISC Event type ke.
IDC V 30 20 37 45.7–1.5 0.79S 121.39E 0 3.6,3.5b ¶610685745
IDC Error ellipse: s-maj=170.0km s-min=22.7km az=55.0.
ISC VI 02 14 07 59.5–.98 0.2N–.10 122.11E–.08 202 3.1b 13 0-58
IDC VI 02 14 07 57.7–10 0.84N 123.05E 190–94 3.3,2.9b **¶610791100**
DJA VI 02 14 08 00.3–.60 0N–6.0 122E–5.0 191–5 4.3b,3.5
ISC Event type ke.
ISC VI 03 08 58 21.2–1.1 0.99S–.05 119.90E–.08 28 3.5b 15 1-62
IDC VI 03 08 58 16.3–1.3 0.80S 120.55E 0 3.6,3.6b **¶610791167**
DJA VI 03 08 58 20.1–.40 1S–3.0 120E–4.0 10 4.4b,4.1
ISC Event type ke.
DJA VI 05 12 46 04.2–.30 1S–3.0 122E–3.0 10 5.6b,5.1 ¶615347458
DJA VI 06 14 24 30.4–.30 1N–3.0 123E–2.0 58–9 5.7b,5.2 ¶615347481
ISC VI 10 02 37 33.4–.61 0.32N–.07 124.33E–.06 116 3.9b 37 0-122
IDC VI 10 02 37 32.8–3.5 0.48N 124.29E 110–31 4.1,3.7b **¶610791567**
DJA VI 10 02 37 34.9–.30 0N–3.0 124E–2.0 87–6 4.7b,4.5
ISC Event type ke.
ISC VI 11 09 03 59.5–.84 0.77S–.06 120.59E–.08 10 3.8b 13 1-62
DJA VI 11 09 03 57.0–.30 1S–3.0 121E–5.0 10 3.9,3.9 **¶610791645**
IDC VI 11 09 03 58.4–1.0 0.84S 120.62E 0 3.8,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=55.8km s-min=17.9km az=71.0.
ISC VI 11 09 22 29.1–1.1 0.15S–.08 123.92E–.06 100 3.3b 11 1-36
IDC VI 11 09 22 04.0–7.3 1.82N 124.35E 0 3.6,3.6b **¶615348153**
DJA VI 11 09 22 28.7–.40 0S–5.0 124E–3.0 89–9 4.6b,4.1
ISC Event type ke.
ISC VI 11 13 51 13.3–1.2 0.84S–.06 120.56E–.09 10 3.5b 9 1-58
DJA VI 11 13 51 13.6–4.7 1S–4.0 121E–6.0 19–45 4.0,4.0 **¶610791654**
IDC VI 11 13 51 20.6–1.1 1.01S 120.93E 0 3.6L,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=47.7km s-min=19.4km az=69.0.
ISC VI 11 17 08 05.4–.57 1.60N–.04 123.84E–.06 10 4.2b 56 1-92
IDC VI 11 17 08 03.9–1.0 1.62N 124.14E 0 4.2L,4.1 **¶610791659**
DJA VI 11 17 08 05.6–.80 2N–4.0 124E–2.0 11–6 4.8b,4.3b
NEIC VI 11 17 08 08.7–2.8 1.49N–.05 123.8E–.10 28–8 4.3b,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 13 03 25 37.4–.54 1.65N–.07 122.58E–.07 450 3.9b 45 1-120
NEIC VI 13 03 25 36.9–1.6 1.8N–.10 122.6E–.20 425–7 3.9b **¶610791754**
DJA VI 13 03 25 38.5–.60 2N–6.0 123E–4.0 420–5 4.9b,4.3b
IDC VI 13 03 25 39.4–2.4 1.66N 122.45E 472–33 4.0,3.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=30.1km s-min=15.8km az=80.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=35.5km s-min=14.2km az=70.0.
ISC VI 16 07 27 15.1–1.5 0.4N–.20 123.52E–.09 250 3.6b 10 2-36
IDC VI 16 07 26 40.2–8.1 1.20N 122.63E 0 3.9,3.9b **¶610791986**
DJA VI 16 07 27 17.1–.50 0N–5.0 124E–3.0 231–5 5.2b,4.5
ISC Event type ke.
DJA VI 16 10 38 30.5–.40 0S–3.0 123E–3.0 115–6 5.2b,4.6 ¶615348226
DJA VI 16 11 49 11.6–.40 1N–4.0 122E–3.0 16–3 4.2b,3.4

¶615348223
ISC VI 16 13 52 25.8–.92 0.32N–.10 121.92E–.06 175–7 3.3b 14 0-58
IDC VI 16 13 52 06.2–1.3 0.22N 121.65E 0 3.7s,3.5 ¶610792005
DJA VI 16 13 52 27.7–.60 0N–4.0 122E–2.0 157–5 3.2,3.2
ISC Event type ke.
ISC VI 16 17 04 58.7–.67 0.34N–.07 122.10E–.05 181–5 4.1b 67 0-119
NEIC VI 16 17 04 58.8–2.0 0.14N–.10 121.9E–.10 175–7 4.3b ¶610792017
DJA VI 16 17 04 59.0–.30 0N–3.0 122E–2.0 174–3 4.9b,4.4b
IDC VI 16 17 05 01.1–2.5 0.21N 122.16E 204–24 4.1,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.3km s-min=7.6km az=51.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=43.7km s-min=10.8km az=63.0.
DJA VI 18 17 57 30.6–.80 1N–6.0 122E–3.0 13–5 3.9b,3.6
¶615348271
DJA VI 20 21 11 20.0–.40 0S–4.0 123E–3.0 76–14 4.0b,3.9
¶615350366
ISC VI 23 01 02 20.2–.83 0.22S–.05 122.96E–.07 100 3.7b 21 1-59
IDC VI 23 01 02 20.8–2.5 0.18S 122.90E 116–27 3.8,3.7s ¶610789303
DJA VI 23 01 02 21.1–.40 0S–3.0 123E–3.0 101–6 5.4b,4.8
ISC Event type ke.
ISC VI 23 11 55 56.1–.38 0.85N–.04 123.26E–.05 50 4.5b,3.1s 137 0-92
NEIC VI 23 11 55 56.8–1.4 0.85N–.05 123.27E–.06 52–7 4.6b,3.1s ¶610693818
DJA VI 23 11 55 56.4–.40 1N–3.0 123E–2.0 33–6 5.0b,5.0b
IDC VI 23 11 55 58.4–2.1 0.80N 123.34E 79–20 4.4,3.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=8.9km s-min=7.0km az=88.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=26.0km s-min=12.7km az=74.0.
ISC VI 25 05 37 42.2–.61 0.24N–.05 122.17E–.05 185–5 4.1b 80 0-81
IDC VI 25 05 37 42.7–2.8 0.22N 122.28E 191–26 4.0,3.5b ¶610789425
NEIC VI 25 05 37 42.3–1.4 0.2N–.10 122.1E–.10 179–7 4.3b,3.5b
DJA VI 25 05 37 43.0–.50 0N–4.0 122E–3.0 169–4 4.8b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 30 16 16 25.1–1.3 0.94N–.09 121.59E–.06 10 3.3b 11 1-57
DJA VI 30 16 16 27.8–.30 1N–3.0 122E–2.0 10 5.0b,4.3 ¶610789801
IDC VI 30 16 16 28.6–1.7 0.16N 121.69E 0 3.4,3.4b
ISC Event type ke.
IDC Error ellipse: s-maj=213.3km s-min=27.8km az=60.0.

(266) Northern Molucca Sea.

ISC I 01 00 13 23.0–.43 2.88N–.03 127.60E–.06 61–3 4.9b 271 2-156
BJI I 01 00 13 23.9–.00 2.59N 127.75E 95 5.1b,4.7b ¶609947713
MAN I 01 00 13 24.6 2.98N 127.50E 123 4.7b,3.5L
IDC I 01 00 13 24.6–1.3 2.79N 127.61E 76–12 4.6,4.2b
DJA I 01 00 13 25.1–.40 3N–3.0 128E–3.0 76–3 5.4b,5.0
NEIC I 01 00 13 25.4–1.5 2.83N–.05 127.58E–.08 79–7 5.0b,5.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC I 01 08 27 16.3–1.9 0.83N 125.95E 0 3.6,3.5b
¶610236370
IDC Error ellipse: s-maj=180.6km s-min=24.9km az=64.0.
IDC I 01 09 58 52.0–1.8 1.90N 125.64E 0 3.5,3.5b
¶610236377
IDC Error ellipse: s-maj=177.3km s-min=24.2km az=64.0.
IDC I 01 19 40 39.3–1.2 0.87N 126.36E 0 3.9,3.9b
¶610236409
IDC Error ellipse: s-maj=81.7km s-min=20.1km az=72.0.
ISC I 02 17 57 26.9–.50 2.28N–.07 126.77E–.09 35 4.0b 49 2-93
IDC I 02 17 57 22.3–.77 2.19N 126.57E 0 3.9b,3.8 ¶610236497
NEIC I 02 17 57 26.8–2.4 2.28N–.09 126.77E–.10 35–2 4.2b,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 02 18 13 06.1–.70 2.30N–.08 126.95E–.08 53 3.9b 32 2-82
IDC I 02 18 12 59.4–.79 2.24N 126.80E 0 3.8b,3.7 ¶610236499
DJA I 02 18 13 03.9–1.4 2N–3.0 127E–4.0 13–12 4.8b,4.3b
NEIC I 02 18 13 03.7–2.6 2.5N–.10 127.04E–.05 35–2 4.2b,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC I 02 21 14 01.1–2.6 2.36N 127.05E 0 3.3,3.3b
¶610236514
IDC Error ellipse: s-maj=214.2km s-min=29.3km az=66.0.
IDC I 02 23 25 38.0–2.4 2.35N 127.14E 0 3.3,3.3b
¶610236519
IDC Error ellipse: s-maj=192.6km s-min=27.4km az=66.0.
ISC I 03 10 20 56.8–1.0 1.54N–.08 126.95E–.09 103 3.7b 15 1-59
IDC I 03 10 20 44.2–1.5 1.60N 127.01E 0 3.8,3.8b ¶610236552
DJA I 03 10 20 57.2–.50 2N–5.0 127E–3.0 123–10 5.3b,4.7
ISC Event type ke.
ISC I 04 09 11 07.9–.60 0.84N–.06 126.57E–.05 39 4.2b 50 1-81
DJA I 04 09 11 08.0–.60 1N–3.0 126E–2.0 13–5 5.0b,4.4b ¶610236688
IDC I 04 09 11 09.6–6.5 0.86N 126.41E 73–59 4.2,4.2L
NEIC I 04 09 11 10.2–1.6 0.79N–.08 126.54E–.07 60–5 4.3b,4.2L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DJA I 04 19 11 28.5–2.0 2N–6.0 125E–3.0 21–17 5.5b,5.0
¶615345173
IDC I 04 20 57 38.2–1.9 0.47N 125.92E 0 3.3,3.3b
¶610236729
IDC Error ellipse: s-maj=171.8km s-min=26.0km az=65.0.
IDC I 04 22 29 34.4–2.0 2.66N 126.90E 0 3.5,3.4b
¶610236740
IDC Error ellipse: s-maj=156.4km s-min=25.0km az=66.0.
IDC I 07 12 24 05.2–2.1 2.33N 126.36E 0 3.3,3.3b
¶610236899
IDC Error ellipse: s-maj=195.1km s-min=25.1km az=66.0.
IDC I 07 20 28 26.4–2.3 1.59N 126.14E 0 3.3,3.3b
¶610236920
IDC Error ellipse: s-maj=221.7km s-min=25.9km az=65.0.
ISC I 08 16 07 32.2–.46 0.78N–.07 126.43E–.07 35 4.4b 61 1-90
NEIC I 08 16 07 33.1–1.4 0.82N–.08 126.44E–.05 35–8 4.5b ¶610236970
IDC I 08 16 07 34.3–3.0 0.73N 126.55E 56–27 4.1,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=7.4km az=187.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=27.9km s-min=13.2km az=71.0.
IDC I 08 19 41 08.7–1.1 1.11N 126.41E 0 3.7,3.7b
¶610236978
IDC Error ellipse: s-maj=64.5km s-min=19.1km az=61.0.
IDC I 09 10 58 22.9–1.5 1.43N 125.58E 0 3.8,3.8b
¶610237027
IDC Error ellipse: s-maj=170.0km s-min=21.6km az=64.0.
ISC I 09 12 41 29.7–.43 2.46N–.03 127.16E–.05 71–3 4.8b 331 2-128
DJA I 09 12 41 28.4–.30 3N–2.0 127E–2.0 68–3 5.5,5.5b ¶610050576
NEIC I 09 12 41 29.7–1.8 2.44N–.06 127.21E–.09 67–6 5.0b,5.5b
IDC I 09 12 41 29.8–1.2 2.32N 127.14E 73–10 4.7,4.3b
BJI I 09 12 41 31.5–.00 2.70N 126.88E 70 5.2b,4.7s
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=8.3km az=73.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=13.9km s-min=6.6km az=71.0.

IDC I 10 01 16 59.8–1.8 0.66N 126.07E 0 3.6,3.6b
¶610237048
IDC Error ellipse: s-maj=195.7km s-min=22.2km az=65.0.
IDC I 10 16 50 18.9–2.2 2.11N 126.30E 0 3.7s,3.4
¶610237092
IDC Error ellipse: s-maj=176.1km s-min=27.5km az=66.0.
IDC I 11 04 09 54.5–2.2 0.68N 125.39E 0 3.2,3.2b
¶610237125
IDC Error ellipse: s-maj=198.4km s-min=29.6km az=64.0.
ISC I 11 09 20 40.4–1.4 0.6N–.10 125.2E–.10 35 3.7b 12 2-59
DJA I 11 09 20 33.9–.90 1N–7.0 125E–6.0 49–9 4.3,4.3 ¶610237138
IDC I 11 09 20 36.6–1.7 0.15N 124.65E 0 3.7s,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=173.7km s-min=24.6km az=63.0.
ISC I 13 08 11 11.6–1.2 2.62N–.06 126.4E–.10 10 3.4b 12 1-62
IDC I 13 08 11 10.1–1.7 2.18N 125.14E 0 3.4,3.4b ¶610237287
DJA I 13 08 11 13.8–.40 3N–4.0 126E–4.0 10 6.0b,5.7
ISC Event type ke.
ISC I 13 23 06 48.3–1.1 2.77N–.05 126.84E–.06 45–11 4.6b,3.3s 143 2-123
IDC I 13 23 06 41.6–.48 2.69N 126.71E 0 4.4b,4.3 ¶610087337
NEIC I 13 23 06 47.9–1.8 2.75N–.07 126.82E–.07 38–6 4.7b,4.3
BJI I 13 23 06 48.5–.00 2.80N 126.92E 51 5.0b,4.5b
DJA I 13 23 06 49.2–.30 3N–3.0 127E–3.0 51–4 5.3b,4.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC I 14 01 05 27.2–16 0.33N 126.35E 0 4.1,4.1b
¶610237324
IDC Error ellipse: s-maj=253.1km s-min=169.3km az=160.0.
ISC I 14 11 41 19.5–.38 1.20N–.03 126.36E–.03 33–1 5.6b,4.5s 1609 1-172
BJI I 14 11 41 15.7–.00 1.17N 126.38E 22 5.4b,5.3b ¶610094904
MOS I 14 11 41 15.9–1.1 1.26N 126.28E 20 5.9b,4.6s
IDC I 14 11 41 17.1–1.6 1.17N 126.27E 19–9 5.4,5.3b
NEIC I 14 11 41 19.2–2.0 1.27N–.06 126.41E–.06 23–3 5.7b,5.4
DJA I 14 11 41 21.0–.20 1N–1.0 126E–1.0 45–2 5.8b,5.5b
KLM I 14 11 41 21 1.28N 126.65E 59 5.6b,5.5b
GCMT I 14 11 41 22.2–.10 1.42N–.01 126.30E–.01 25–0 5.5W,5.5b
NEIC I 14 11 41 23.1 1.13N 126.49E 30 5.5W,5.5b
ISC Event type se.
MOS Error ellipse: s-maj=7.0km s-min=3.9km az=116.0.
IDC Error ellipse: s-maj=10.5km s-min=7.1km az=59.0.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=8.5km az=45.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s125,c203; s135,c227;Duration: 1^{s}3 Moment tensor: Scale 10^{17}Nm; M_{rr}0.80±.02 $M_{\theta\theta}$0.73±.02; $M_{\phi\phi}$-1.53±.02; $M_{r\theta}$1.03±.05; $M_{\theta\phi}$-0.04±.02; $M_{\phi r}$-1.16±.05; Best double couple: NP1:ϕ_s147.00000°,δ76.00000°,λ58.00000°. NP2:ϕ_s36.00000°,δ34.00000°,λ155.00000°. Principal axes: T 2.0210,Plg49.0000° ,Azm23.0000°; N 0.0350,Plg31.0000°,Azm155.0000°; P -2.0590,Plg25.0000°,Azm261.0000° $M_0$2.04000×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 2^{s}7 Moment tensor: Scale 10^{17}Nm; M_{rr}1.54 $M_{\theta\theta}$0.24 $M_{\phi\phi}$-1.77 $M_{r\theta}$0.15 $M_{\theta\phi}$0.15 $M_{\phi r}$-0.31 NP1:ϕ_s170.39000°,δ50.79000° ,λ83.01000°. NP2:ϕ_s1.37000°,δ39.73000°,λ98.48000°. Principal axes: T 1.5796,Plg82.0000° ,Azm41.0000°; N 0.2346,Plg5.0000°,Azm175.0000°; P -1.8142,Plg6.0000°,Azm265.0000° $M_0$1.70000×10^{17}
IDC I 14 14 41 12.7–2.3 2.82N 127.35E 0 3.1,3.1b
¶610237361
IDC Error ellipse: s-maj=163.5km s-min=27.8km az=67.0.
ISC I 15 07 35 37.0–.97 1.97N–.06 126.30E–.08 47 4.0b 13 2-59
IDC I 15 07 35 31.3–1.7 1.83N 125.79E 0 3.9,3.9b ¶610237420
DJA I 15 07 35 36.4–.50 2N–2.0 126E–3.0 54–24 3.9L,3.7
ISC Event type ke.
IDC I 18 07 47 56.1–2.4 2.39N 126.54E 0 3.2,3.2b
¶610237651
IDC Error ellipse: s-maj=207.7km s-min=27.7km az=66.0.
ISC I 19 19 28 05.0–.84 1.76N–.06 126.33E–.08 47 3.9b 27 1-63
IDC I 19 19 27 59.1–1.2 1.48N 125.32E 0 4.8L,3.9 ¶610237742
DJA I 19 19 28 03.8–2.7 2N–3.0 126E–3.0 19–26 5.3b,4.3
NEIC I 19 19 28 04.3–2.0 1.87N–.05 126.33E–.08 42–14 4.0b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC I 20 11 02 27.6–2.1 0.64N 126.77E 0 3.5,3.5b
¶610234932
IDC Error ellipse: s-maj=182.1km s-min=25.8km az=66.0.
IDC I 21 05 28 32.8–1.3 2.84N 127.87E 0 4.2L,3.9
¶610234978
IDC Error ellipse: s-maj=92.0km s-min=19.6km az=63.0.
ISC I 22 11 42 43.7–.37 1.91N–.05 126.51E–.07 47 4.6b 110 1-123
IDC I 22 11 42 36.5–.56 1.78N 126.19E 0 4.4,4.4b ¶610105078
DJA I 22 11 42 41.7–.50 2N–5.0 127E–3.0 10 5.2b,4.5b
NEIC I 22 11 42 43.8–1.7 1.85N–.07 126.48E–.08 47–4 4.7b,4.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 22 21 41 44.6–1.1 2.9N–.30 126.5E–.30 63 4.0b 7 6-123
IDC I 22 21 41 36.5–.97 2.58N 125.87E 0 4.0,3.9b ¶610105769
ISC Event type ke.
IDC Error ellipse: s-maj=81.2km s-min=18.3km az=62.0.
ISC I 23 03 43 43.7–.80 2.01N–.07 127.5E–.10 112 4.1b 29 1-74
IDC I 23 03 43 32.3–1.8 2.09N 127.78E 0 4.2,4.2b ¶610235156
DJA I 23 03 43 43.5–1.3 2N–5.0 127E–11 106–13 3.9b,3.7
NEIC I 23 03 43 43.4–1.1 2.03N–.09 127.6E–.10 102–8 4.1b,3.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 23 12 17 19.0–1.1 1.40N–.07 125.71E–.07 10 4.0b,3.4s 11 2-60
IDC I 23 12 17 17.8–1.5 0.60N 123.85E 0 3.9,3.9b ¶610235193
DJA I 23 12 17 20.2–.30 1N–4.0 126E–3.0 10 3.8,3.8
ISC Event type ke.
IDC I 24 03 08 20.1–2.2 2.90N 127.88E 0 3.5,3.5b
¶610235237
IDC Error ellipse: s-maj=159.3km s-min=26.1km az=67.0.
IDC I 24 08 01 32.0–1.5 2.76N 126.07E 0 3.8,3.8b
¶610235254
IDC Error ellipse: s-maj=80.0km s-min=23.4km az=60.0.
ISC I 24 08 10 57.1–.59 2.91N–.09 126.5E–.10 63 4.3b 33 2-122
IDC I 24 08 10 48.1–.85 2.79N 126.01E 0 4.1,4.1b ¶610235255
NEIC I 24 08 10 56.5–2.4 3.0N–.10 126.6E–.10 48–6 4.4b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 25 10 21 11.3–1.2 0.09N–.07 125.82E–.05 50 3.1b 10 2-60
IDC I 25 10 21 02.0–2.0 0.13N 124.88E 0 3.4,3.4b ¶610235321
DJA I 25 10 21 09.8–1.4 0N–5.0 126E–2.0 26–13 4.2b,3.9
ISC Event type ke.
IDC I 25 13 13 38.1–2.2 2.02N 126.25E 0 3.2,3.2b
¶610235328
IDC Error ellipse: s-maj=181.2km s-min=28.9km az=65.0.
IDC I 26 13 39 49.1–2.0 0.40N 125.16E 0 3.2,3.2b
¶610235387
IDC Error ellipse: s-maj=209.4km s-min=26.0km az=64.0.
IDC I 27 11 12 46.7–1.8 2.02N 127.68E 0 4.1,4.1b
¶610235477
IDC Error ellipse: s-maj=133.2km s-min=23.5km az=66.0.
ISC I 27 11 29 18.2–.35 1.05N–.04 125.97E–.06 100 4.6b 154 1-123
NEIC I 27 11 29 18.6–1.4 1.05N–.08 125.96E–.04 102–6 4.7b ¶610144701
DJA I 27 11 29 19.4–.20 1N–3.0 126E–2.0 107–3 5.2b,4.7
IDC I 27 11 29 20.4–1.9 0.98N 125.96E 123–17 4.4,4.0b
ISC Event type se.

NEIC Event type se. Error ellipse: s-maj=11.4km s-min=6.3km az=183.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=20.5km s-min=8.6km az=73.0.
ISC I 27 14 58 09.6–.36 2.12N–.03 127.27E–.05 72–2 4.9b 338 1-124
MOS I 27 14 58 06.7–1.1 2.12N 127.35E 64 5.1b ¶610144708
BJI I 27 14 58 07.6–.00 1.89N 127.57E 91 5.0b,4.7b
DJA I 27 14 58 09.7–.20 2N–2.0 127E–2.0 78–3 5.1b,4.8b
NEIC I 27 14 58 10.1–1.6 2.11N–.07 127.33E–.09 70–7 5.0b,4.8b
IDC I 27 14 58 10.9–1.1 2.01N 127.32E 86–9 4.6,4.2b
ISC Event type se.
MOS Error ellipse: s-maj=14.1km s-min=5.9km az=117.8.
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=10.2km az=69.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=15.9km s-min=7.3km az=68.0.
IDC I 27 16 32 24.6–2.3 2.22N 127.60E 0 3.6,3.5b
¶610235486

IDC Error ellipse: s-maj=176.6km s-min=24.8km az=67.0.
IDC I 28 01 02 51.0–2.2 2.56N 127.60E 0 3.3,3.3b
¶610235523

IDC Error ellipse: s-maj=163.9km s-min=26.4km az=67.0.
IDC I 28 04 12 31.9–1.9 1.92N 125.03E 0 3.5,3.5b
¶610235535

IDC Error ellipse: s-maj=179.8km s-min=24.9km az=64.0.
IDC I 28 22 54 36.0–2.2 2.05N 127.54E 0 3.3,3.3b
¶610235598

IDC Error ellipse: s-maj=152.6km s-min=28.1km az=67.0.
IDC I 29 02 23 05.6–2.2 1.22N 126.56E 0 3.2,3.2b
¶610235606

IDC Error ellipse: s-maj=180.1km s-min=27.1km az=65.0.
ISC I 29 08 17 13.0–.47 2.29N–.05 126.77E–.08 53 4.4s,4.3b 67 2-123
DJA I 29 08 17 11.4–1.5 2N–4.0 127E–3.0 23–14 5.4b,4.8 ¶610147579
IDC I 29 08 17 12.2–2.8 2.19N 126.68E 46–27 4.4s,4.1
NEIC I 29 08 17 12.5–.78 2.27N–.08 126.76E–.08 45–9 4.4b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC I 30 02 58 37.7–2.2 1.38N 126.31E 0 3.5,3.4b
¶610235686

IDC Error ellipse: s-maj=185.8km s-min=27.4km az=65.0.
IDC I 30 03 20 52.6–8.1 2.34N 126.24E 0 4.2,4.2b
¶610235687

IDC Error ellipse: s-maj=178.1km s-min=125.2km az=72.0.
ISC I 30 04 41 15.7–.87 0.0N–.10 125.30E–.05 10 3.6b 11 2-60
IDC I 30 04 41 15.0–1.5 0.59S 124.18E 0 3.6,3.5b ¶610235688
DJA I 30 04 41 18.9–.90 0S–6.0 125E–3.0 17–8 3.8b,3.7
ISC Event type ke.
IDC I 30 10 08 47.9–1.4 1.43N 126.32E 0 3.4,3.4b
¶610235723

IDC Error ellipse: s-maj=162.2km s-min=22.6km az=69.0.
ISC I 31 15 16 10.7–1.1 0.2N–.10 126.10E–.09 44 3.6b 7 1-60
IDC I 31 15 16 03.9–1.2 0.26N 125.87E 0 3.7,3.7b ¶610235829
DJA I 31 15 16 09.9–3.3 0N–6.0 126E–4.0 12–29 3.5b,3.2
ISC Event type se.
ISC I 31 20 11 14.8–1.2 2.0N–.10 127.4E–.30 50 3.6b 16 4-81
IDC I 31 20 11 08.4–1.3 1.89N 126.56E 0 3.6,3.6b ¶610235843
MAN I 31 20 11 19.6 2.10N 126.57E 74 5.2b,4.4s
ISC Event type ke.
IDC Error ellipse: s-maj=138.6km s-min=18.8km az=68.0.
IDC I 31 23 05 20.1–2.2 0.24N 125.77E 0 3.1,3.1b
¶610235850

IDC Error ellipse: s-maj=196.8km s-min=29.1km az=64.0.
ISC II 01 20 53 16.9–.46 0.14N–.05 126.27E–.05 35 4.3b,3.2s 68 1-124
DJA II 01 20 53 15.4–.20 0N–3.0 126E–2.0 10 4.8b,4.6b ¶610172160
NEIC II 01 20 53 17.0–1.8 0.17N–.08 126.35E–.06 33–2 4.4b,4.6b
IDC II 01 20 53 19.1–3.0 0.24N 126.14E 63–30 4.1,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=8.3km az=154.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=24.5km s-min=14.8km az=69.0.
ISC II 02 06 30 23.3–1.1 2.7N–.20 126.3E–.60 100 3.5b 6 7-62
IDC II 02 06 30 12.4–1.6 2.34N 125.42E 0 3.6,3.6b ¶610414654
ISC Event type ke.
IDC Error ellipse: s-maj=176.1km s-min=21.1km az=64.0.
IDC II 02 12 52 27.1–2.2 1.80N 125.87E 0 3.2,3.2b
¶610414676

IDC Error ellipse: s-maj=193.3km s-min=28.2km az=65.0.
IDC II 02 15 31 07.7–1.9 1.32N 125.06E 0 3.4,3.4b
¶610414684

IDC Error ellipse: s-maj=181.3km s-min=26.0km az=64.0.
IDC II 02 19 14 37.4–1.1 2.85N 126.20E 0 3.9,3.9b
¶610414693

IDC Error ellipse: s-maj=68.7km s-min=19.1km az=58.0.
ISC II 03 21 22 46.7–.46 2.24N–.07 126.83E–.09 50 4.1b 52 2-90
IDC II 03 21 22 40.0–.68 2.17N 126.54E 0 3.9,3.9b ¶610414768
NEIC II 03 21 22 46.3–1.4 2.25N–.09 127.0E–.10 47–7 4.3b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC II 04 04 25 19.1–2.2 2.95N 127.04E 0 3.4,3.4b
¶610414783

IDC Error ellipse: s-maj=176.9km s-min=25.9km az=66.0.
IDC II 04 08 56 12.3–2.5 0.84N 125.65E 0 3.5,3.5b
¶610414800

IDC Error ellipse: s-maj=302.1km s-min=25.2km az=65.0.
IDC II 04 18 59 48.7–2.0 1.16N 126.86E 0 3.7,3.7b
¶610414833

IDC Error ellipse: s-maj=172.8km s-min=23.4km az=66.0.
ISC II 05 00 01 04.3–.00 2.3N–.10 127.0E–.10 35 3.8b 13 2-63
IDC II 05 00 00 59.9–1.1 1.98N 126.01E 0 3.7,3.7b ¶610414849
DJA II 05 00 01 00.1–.60 2N–5.0 127E–5.0 166–5 5.1b,4.4
ISC Event type ke.
ISC II 05 17 34 27.0–.60 1.82N–.05 126.36E–.05 10 4.1b 31 1-92
IDC II 05 17 34 26.8–.97 1.95N 126.47E 0 3.9,3.9b ¶610414898
NEIC II 05 17 34 31.7–2.9 1.76N–.08 126.1E–.20 58–8 4.3b,3.9b
DJA II 05 17 34 33.3–.40 2N–5.0 127E–3.0 10 4.3b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC II 06 01 30 47.2–1.5 1.96N 125.73E 0 3.3,3.3b
¶610414920

IDC Error ellipse: s-maj=153.8km s-min=23.6km az=68.0.
IDC II 06 01 48 11.5–2.0 1.06N 125.99E 0 3.6,3.6b
¶610414922

IDC Error ellipse: s-maj=170.9km s-min=25.3km az=65.0.
IDC II 06 15 03 56.1–1.9 1.68N 127.00E 0 3.7,3.7b
¶610414981

IDC Error ellipse: s-maj=174.0km s-min=23.1km az=65.0.
ISC II 06 16 43 41.4–.55 2.36N–.07 126.69E–.09 55 4.1b 38 2-91
IDC II 06 16 43 34.7–.79 2.28N 126.49E 0 4.0,4.0b ¶610414984
DJA II 06 16 43 38.5–.40 3N–4.0 127E–5.0 10 4.9b,4.7b
NEIC II 06 16 43 41.4–.96 2.29N–.06 126.5E–.10 54–6 4.4b,4.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC II 06 20 57 01.6–9.6 1.96N 126.51E 0 3.8s,3.7
¶610414990

IDC Error ellipse: s-maj=178.2km s-min=148.0km az=75.0.
IDC II 07 11 50 23.1–1.3 2.10N 126.02E 0 3.6,3.6b
¶610415041

IDC Error ellipse: s-maj=151.6km s-min=20.1km az=68.0.
IDC II 07 11 53 57.4–2.1 1.35N 126.33E 0 3.6s,3.4
¶610415042

IDC Error ellipse: s-maj=192.8km s-min=25.4km az=65.0.
IDC II 08 11 03 17.8–2.1 0.18N 125.49E 0 3.4,3.4b
¶610415113

IDC Error ellipse: s-maj=191.4km s-min=28.5km az=64.0.
IDC II 08 11 24 45.5–2.1 1.75N 125.27E 0 3.4,3.4b
¶610415115

IDC Error ellipse: s-maj=189.5km s-min=27.9km az=64.0.
IDC II 08 11 32 08.2–1.9 0.89N 125.01E 0 3.4,3.3b
¶610415117

IDC Error ellipse: s-maj=195.9km s-min=26.2km az=64.0.
ISC II 08 21 32 21.7–.36 0.02N–.04 126.11E–.05 35 4.6b 115 1-154
BJI II 08 21 32 15.8–.00 0.48S 126.33E 36 5.1b,4.6b ¶610205750
IDC II 08 21 32 16.2–.53 0.03S 126.04E 0 4.4,4.4b
NEIC II 08 21 32 21.3–1.1 0.08N–.08 126.19E–.06 30–6 4.7b,4.4b
DJA II 08 21 32 24.0–.20 0S–2.0 126E–2.0 56–4 4.7b,4.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC II 09 16 05 49.3–1.9 0.00N 125.46E 0 3.5,3.4b
¶610415183

IDC Error ellipse: s-maj=188.4km s-min=26.3km az=64.0.
IDC II 11 05 20 32.9–2.0 1.37N 126.33E 0 3.7,3.7b
¶610415283

IDC Error ellipse: s-maj=186.4km s-min=23.3km az=65.0.
IDC II 12 18 11 10.8–2.3 2.36N 127.10E 0 3.3s,3.2
¶610415395

IDC Error ellipse: s-maj=174.1km s-min=28.0km az=66.0.
IDC II 13 01 36 22.3–2.2 2.16N 127.27E 0 3.2,3.2b
¶610415412

IDC Error ellipse: s-maj=177.5km s-min=25.5km az=67.0.
ISC II 13 06 55 20.9–.80 2.06N–.10 127.3E–.20 10 4.1b 26 1-74
IDC II 13 06 55 20.1–1.9 2.10N 127.41E 0 3.9,3.9b ¶610415431
NEIC II 13 06 55 21.9–1.6 2.04N–.10 127.3E–.10 10–1 4.2b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 14 11 27 38.4–.89 2.0N–.10 125.11E–.05 10 4.0b 21 2-61
DJA II 14 11 27 29.1–.40 4N–5.0 125E–4.0 18–5 4.1b,4.0 ¶610415500
IDC II 14 11 27 38.3–8.7 1.88N 125.22E 0 3.8,3.8b
NEIC II 14 11 27 39.4–1.7 2.0N–.10 125.20E–.08 10–1 4.1b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC II 14 16 31 08.0–1.4 1.82N 125.89E 0 3.5,3.5b
¶610415513

IDC Error ellipse: s-maj=152.0km s-min=22.4km az=68.0.
ISC II 15 22 28 06.7–.49 2.91N–.05 126.61E–.08 63 4.1b 54 1-123
IDC II 15 22 27 58.4–.74 2.80N 126.20E 0 4.1,4.1b ¶610415589
DJA II 15 22 28 04.1–.50 3N–5.0 127E–3.0 10 5.1b,4.5b
NEIC II 15 22 28 07.4–1.7 2.90N–.09 126.59E–.10 69–8 4.2b,4.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 16 02 43 06.7–.53 2.26N–.05 126.26E–.08 50 4.2b,3.3s 51 2-93
IDC II 16 02 43 00.1–.88 2.23N 126.05E 0 4.2,4.2b ¶610415603
DJA II 16 02 43 07.3–1.9 2N–3.0 126E–3.0 32–29 5.2b,4.6
NEIC II 16 02 43 07.1–1.5 2.28N–.03 126.25E–.09 50–9 4.2b,4.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC II 16 05 57 43.9–2.3 2.78N 127.87E 0 3.6,3.6b
¶610415614

IDC Error ellipse: s-maj=150.0km s-min=27.6km az=67.0.
IDC II 16 09 26 07.6–8.5 2.69N 127.83E 0 4.7L,3.6
¶610415622

IDC Error ellipse: s-maj=136.6km s-min=87.5km az=143.0.
ISC II 19 00 18 45.0–.64 1.91N–.06 126.49E–.08 47 4.1b 34 1-89
IDC II 19 00 18 38.6–1.1 1.71N 125.96E 0 4.2,4.1b ¶610415785
DJA II 19 00 18 44.1–1.8 2N–3.0 126E–3.0 23–16 4.0b,3.8
NEIC II 19 00 18 46.1–2.3 1.73N–.08 126.41E–.08 53–5 4.1b,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC II 19 01 28 01.9–2.3 0.37N 126.72E 0 3.3,3.3b
¶610415791

IDC Error ellipse: s-maj=201.2km s-min=28.6km az=66.0.
IDC II 19 19 19 57.9–1.9 0.73N 126.42E 0 3.3,3.3b
¶610415837

IDC Error ellipse: s-maj=205.1km s-min=23.3km az=66.0.
IDC II 19 21 19 16.7–2.0 2.27N 127.61E 0 3.5,3.5b
¶610415841

IDC Error ellipse: s-maj=173.2km s-min=21.9km az=67.0.
IDC II 20 22 27 16.1–2.2 0.05N 125.81E 0 3.3,3.2b
¶610384709

IDC Error ellipse: s-maj=213.4km s-min=29.4km az=65.0.
ISC II 21 07 52 25.7–.54 1.79N–.06 126.50E–.08 47 4.3b 46 1-93
IDC II 21 07 52 18.8–.63 1.31N 125.52E 0 4.1,4.1b ¶610384734
DJA II 21 07 52 25.8–.40 2N–5.0 126E–3.0 10 4.4b,4.0
NEIC II 21 07 52 28.8–2.9 1.59N–.09 126.41E–.09 66–8 4.4b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 21 13 54 23.8–1.1 2.5N–.20 127.9E–.30 150 3.3b 7 5-59
IDC II 21 13 54 25.7–4.7 2.56N 128.16E 171–53 3.5,3.0b ¶610384756
ISC Event type ke.
IDC Error ellipse: s-maj=87.1km s-min=18.3km az=77.0.
ISC II 22 01 23 11.2–.64 1.94N–.05 125.79E–.07 35 4.1b 43 2-84
IDC II 22 01 23 06.4–1.5 1.56N 124.70E 0 3.8,3.7b ¶610384781
NEIC II 22 01 23 10.8–1.6 1.99N–.06 125.77E–.06 34–6 4.2b,3.7b
DJA II 22 01 23 13.0–1.4 2N–3.0 126E–3.0 31–20 5.3b,4.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC II 22 12 39 43.1–1.7 2.20N 127.44E 0 3.4,3.4b
¶610384808

IDC Error ellipse: s-maj=166.1km s-min=23.3km az=69.0.
IDC II 24 19 08 47.5–2.3 2.40N 127.17E 0 3.2,3.2b
¶610384955

IDC Error ellipse: s-maj=159.4km s-min=28.5km az=66.0.
IDC II 25 10 47 20.6–2.1 1.37N 125.70E 0 3.2,3.2b
¶610384994

IDC Error ellipse: s-maj=172.4km s-min=27.6km az=65.0.
IDC II 27 19 09 25.1–2.0 0.21N 126.59E 0 3.6,3.6b
¶610385149

IDC Error ellipse: s-maj=199.2km s-min=23.7km az=65.0.
ISC II 28 02 34 15.3–.54 1.43N–.04 126.60E–.05 53–5 4.7b,3.5s 176 1-155
DJA II 28 02 34 14.3–.20 2N–2.0 127E–2.0 55–3 5.0b,4.8b ¶610241742
NEIC II 28 02 34 15.2–1.0 1.39N–.08 126.59E–.06 53–6 4.8b,4.8b
IDC II 28 02 34 16.5–2.1 1.37N 126.47E 61–18 4.4,4.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=7.3km az=207.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=21.0km s-min=8.3km az=79.0.
ISC II 28 06 36 45.5–.46 1.35N–.06 126.42E–.07 47 4.5b 58 1-123
DJA II 28 06 36 16.9–.80 4N–6.0 128E–6.0 168–9 5.3,5.1 ¶610385176
NEIC II 28 06 36 46.2–2.3 1.37N–.08 126.44E–.07 44–8 4.5b,5.1

IDC II 28 06 36 49.3–4.0 1.38N 126.22E 83–39 4.2,3.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.6km s-min=9.0km az=206.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=32.3km s-min=14.0km az=77.0.
ISC II 28 19 16 46.0–.44 1.80N–.03 126.54E–.05 42–4 4.8b,4.0s 289 1-155
BJI II 28 19 16 42.3–.00 1.58N 126.44E 30 5.0b,4.6b **¶610242061**
NEIC II 28 19 16 45.9–1.8 1.80N–.05 126.57E–.07 37–7 4.9b,4.6b
DJA II 28 19 16 47.5–.30 2N–3.0 127E–2.0 46–4 4.9b,4.7b
IDC II 28 19 16 49.0–1.8 1.71N 126.45E 64–15 4.5,4.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=6.7km az=62.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=19.1km s-min=8.5km az=80.0.
IDC II 28 21 53 28.6–1.8 1.62N 126.12E 0 3.5,3.4b
¶610385232

IDC Error ellipse: s-maj=196.0km s-min=22.1km az=66.0.
IDC III 02 02 28 16.8–1.9 0.91N 125.01E 0 3.5,3.4b
¶610545362

IDC Error ellipse: s-maj=186.0km s-min=26.2km az=64.0.
IDC III 02 12 25 35.9–1.4 0.84N 125.74E 0 3.4,3.4b
¶610545386

IDC Error ellipse: s-maj=157.2km s-min=22.9km az=68.0.
ISC III 03 02 30 40.3–.64 0.98N–.07 127.00E–.06 35 4.1b 33 0-124
IDC III 03 02 30 35.4–.96 0.94N 126.90E 0 4.1,4.1b **¶610545420**
DJA III 03 02 30 39.9–.60 1N–4.0 127E–4.0 24–6 4.6b,4.2
NEIC III 03 02 30 39.6–2.2 0.90N–.08 126.88E–.06 31–8 4.1b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC III 03 23 12 55.8–2.0 1.25N 125.52E 0 3.4,3.4b
¶610545484

IDC Error ellipse: s-maj=180.6km s-min=25.9km az=64.0.
IDC III 04 20 52 30.2–2.4 1.17N 126.37E 0 3.1,3.0b
¶610545546

IDC Error ellipse: s-maj=222.5km s-min=27.7km az=65.0.
IDC III 04 21 53 00.6–1.9 0.90N 126.27E 0 3.5,3.5b
¶610545551

IDC Error ellipse: s-maj=175.0km s-min=24.5km az=65.0.
ISC III 05 22 09 07.1–1.4 0.46N–.09 126.09E–.10 35 3.9b 10 1-60
IDC III 05 22 09 02.4–1.8 0.56N 126.27E 0 3.8,3.8b **¶610545613**
DJA III 05 22 09 08.5–1.7 0N–3.0 126E–2.0 20–16 3.8,3.8
ISC Event type ke.
ISC III 06 04 17 04.8–1.1 1.46N–.08 126.46E–.09 35 3.8b 9 1-83
IDC III 06 04 17 00.0–1.8 0.94N 125.28E 0 3.8,3.7b **¶610545622**
DJA III 06 04 17 03.4–.40 1N–5.0 126E–3.0 10 3.4,3.4
ISC Event type ke.
ISC III 06 16 25 39.7–.33 1.21N–.04 126.54E–.04 39 4.5b 148 1-123
IDC III 06 16 25 33.9–.49 1.15N 126.49E 0 4.3,4.3b **¶610246843**
DJA III 06 16 25 39.4–1.0 1N–2.0 127E–2.0 26–9 4.6b,4.5b
NEIC III 06 16 25 39.8–1.8 1.20N–.08 126.54E–.06 40–7 4.6b,4.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC III 06 21 35 10.6–1.6 0.78N 125.92E 0 3.4,3.4b
¶610545684

IDC Error ellipse: s-maj=171.2km s-min=21.5km az=65.0.
IDC III 07 19 16 16.1–2.0 1.39N 125.52E 0 3.4,3.3b
¶610545753

IDC Error ellipse: s-maj=191.0km s-min=25.6km az=64.0.
ISC III 07 20 43 06.5–1.0 1.68N–.10 126.64E–.08 47 4.0b 15 1-69
IDC III 07 20 43 01.1–1.3 1.31N 125.64E 0 3.9,3.9b **¶610545757**
DJA III 07 20 43 03.9–1.6 2N–5.0 127E–5.0 11–16 4.8b,4.2b
ISC Event type ke.
IDC III 07 22 32 25.1–2.2 1.70N 125.98E 0 3.2,3.2b
¶610545763

IDC Error ellipse: s-maj=183.2km s-min=28.2km az=65.0.
IDC III 07 23 30 21.4–2.1 0.20N 126.05E 0 3.3,3.2b
¶610545764

IDC Error ellipse: s-maj=169.3km s-min=28.7km az=65.0.
IDC III 10 03 34 06.8–2.2 1.87N 126.08E 0 3.8s,3.3
¶610545918

IDC Error ellipse: s-maj=178.2km s-min=28.5km az=65.0.
ISC III 11 16 45 37.3–1.2 2.6N–.10 127.9E–.10 35 3.4b 11 2-59
IDC III 11 16 45 32.7–1.6 2.59N 127.59E 0 3.4,3.4b **¶610546023**
DJA III 11 16 45 37.1–1.4 2N–7.0 128E–6.0 21–8 4.7b,4.0b
ISC Event type ke.
IDC III 12 05 04 34.8–2.1 2.48N 127.98E 0 3.4s,3.4
¶610546060

IDC Error ellipse: s-maj=136.3km s-min=26.5km az=67.0.
ISC III 13 10 08 09.3–.90 2.32N–.09 127.2E–.10 53 4.3b,3.2s 33 2-92
IDC III 13 10 08 02.1–1.7 2.26N 126.84E 0 4.1,4.1b **¶610546130**
DJA III 13 10 08 08.7–.90 2N–6.0 127E–4.0 15–8 5.2b,4.7
NEIC III 13 10 08 11.7–.89 2.26N–.08 127.2E–.10 71–11 4.3b,4.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 13 17 03 15.5–1.1 2.9N–.20 126.9E–.20 10 3.7b 8 6-85
IDC III 13 17 03 13.9–1.1 2.72N 126.58E 0 3.6,3.6b **¶610546156**
ISC Event type ke.
IDC Error ellipse: s-maj=72.6km s-min=16.3km az=67.0.
IDC III 15 17 45 12.7–2.2 1.09N 125.05E 0 3.2,3.2b
¶610546263

IDC Error ellipse: s-maj=228.2km s-min=28.7km az=64.0.
IDC III 16 03 11 36.5–3.7 1.47N 126.92E 369–40 3.6,2.9b
¶610546290

IDC Error ellipse: s-maj=152.5km s-min=14.7km az=66.0.
ISC III 16 11 04 14.4–1.5 1.5N–.20 126.6E–.20 47 3.3b 7 1-59
IDC III 16 11 04 08.3–2.2 1.52N 126.45E 0 3.4,3.3b **¶610546308**
DJA III 16 11 04 14.4–1.4 1N–6.0 127E–19 53–53 3.1,3.1
ISC Event type ke.
ISC III 17 06 59 48.3–.47 1.00N–.04 126.23E–.04 61–4 5.0b 320 1-147
IDC III 17 06 59 39.9–.45 0.94N 126.04E 0 4.8,4.8b **¶610331532**
BJI III 17 06 59 43.9–.00 0.60N 126.41E 68 5.3b,4.9b
MOS III 17 06 59 45.2–.95 0.99N 126.14E 49 5.0b,4.9b
DJA III 17 06 59 48.6–.20 1N–3.0 126E–2.0 47–8 5.3b,4.8b
NEIC III 17 06 59 48.2–2.0 1.01N–.07 126.23E–.06 56–3 5.1b,4.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC III 17 10 33 58.1–1.6 1.04N 126.14E 0 3.6,3.6b
¶610546380

IDC Error ellipse: s-maj=173.6km s-min=21.9km az=66.0.
ISC III 17 20 53 49.2–.40 1.59N–.05 126.56E–.05 47 4.4b 94 1-84
IDC III 17 20 53 43.2–.78 1.67N 126.69E 0 4.2,4.1b **¶610344616**
DJA III 17 20 53 49.2–.30 1N–3.0 127E–2.0 10 4.3b,4.1
NEIC III 17 20 53 49.5–1.5 1.59N–.08 126.58E–.06 48–7 4.3b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 19 00 12 30.0–.47 1.64N–.04 126.78E–.05 50 4.2b 67 1-92
DJA III 19 00 12 31.6–1.1 2N–4.0 127E–2.0 26–12 5.1b,4.5b **¶610546480**
IDC III 19 00 12 31.0–3.5 1.49N 126.66E 65–33 4.0,4.0L
NEIC III 19 00 12 32.3–1.2 1.57N–.07 126.83E–.07 74–7 4.3b,4.0L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 19 05 10 57.5–.70 1.98N–.07 126.54E–.09 47 4.0b 19 1-82
IDC III 19 05 10 50.9–.75 1.94N 126.53E 0 4.0,4.0b **¶610546491**
DJA III 19 05 10 55.9–.40 2N–4.0 126E–3.0 10 4.4b,4.0
ISC Event type ke.
IDC III 19 12 00 04.3–2.3 2.85N 126.05E 0 3.2,3.2b
¶610546511

IDC Error ellipse: s-maj=197.8km s-min=27.9km az=65.0.
ISC III 20 06 11 39.1–1.2 0.52N–.07 126.7E–.10 35 3.4b 10 1-60
IDC III 20 06 11 35.8–2.0 0.18S 125.20E 0 3.5,3.4b **¶610543305**
DJA III 20 06 11 38.3–1.1 0N–4.0 127E–4.0 18–12 5.3b,4.8b
ISC Event type ke.
ISC III 20 14 00 40.5–.53 2.26N–.05 127.41E–.09 75 4.3b 59 1-87
IDC III 20 14 00 31.2–.87 2.23N 127.54E 0 4.0,4.0b **¶610543333**
NEIC III 20 14 00 41.3–2.0 2.22N–.09 127.5E–.10 74–9 4.4b,4.0b
DJA III 20 14 00 41.2–.70 2N–4.0 127E–3.0 31–9 5.4b,4.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC III 20 14 59 46.4–2.1 1.68N 125.76E 0 3.1,3.1b
¶610543337

IDC Error ellipse: s-maj=176.5km s-min=28.0km az=65.0.
IDC III 21 02 45 16.8–2.1 0.54N 126.32E 0 3.1,3.1b
¶610543370

IDC Error ellipse: s-maj=169.5km s-min=27.9km az=65.0.
ISC III 21 13 10 45.6–.54 2.37N–.06 126.90E–.09 10 4.3b 56 2-73
IDC III 21 13 10 43.5–.80 2.24N 126.64E 0 3.9,3.9b **¶610401443**
NEIC III 21 13 10 45.5–1.1 2.5N–.10 127.0E–.10 14–4 4.3b,3.9b
DJA III 21 13 10 50.5–1.0 2N–3.0 127E–3.0 28–10 5.2b,4.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC III 21 14 55 57.4–2.3 2.03N 126.33E 0 3.1,3.1b
¶610543410

IDC Error ellipse: s-maj=195.2km s-min=28.0km az=66.0.
ISC III 22 10 25 55.1–.45 1.12N–.04 126.33E–.05 10 4.2b 63 1-123
IDC III 22 10 25 53.2–.60 1.07N 126.27E 0 4.0,4.0b **¶610543463**
NEIC III 22 10 25 56.1–1.2 1.08N–.10 126.34E–.04 10–1 4.3b,4.0b
DJA III 22 10 26 01.4–.80 1N–3.0 126E–2.0 26–8 4.2b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC III 23 15 32 41.1–2.0 0.88N 125.91E 0 3.4,3.4b
¶610543549

IDC Error ellipse: s-maj=172.3km s-min=26.6km az=65.0.
IDC III 26 07 48 49.5–2.4 2.73N 127.40E 0 3.3,3.3b
¶610543707

IDC Error ellipse: s-maj=178.3km s-min=27.8km az=67.0.
IDC III 27 07 11 24.7–2.2 0.08N 126.67E 0 3.1,3.0b
¶610543785

IDC Error ellipse: s-maj=176.7km s-min=29.5km az=65.0.
IDC III 27 23 48 36.2–2.1 0.66N 126.65E 0 3.4,3.4b
¶610543823

IDC Error ellipse: s-maj=168.9km s-min=27.0km az=65.0.
ISC III 28 17 02 38.2–1.4 2.02N–.07 127.6E–.20 100 3.5b 11 1-59
IDC III 28 17 02 28.1–2.1 1.69N 126.56E 0 3.6,3.5b **¶610543862**
DJA III 28 17 02 40.0–.70 2N–4.0 127E–4.0 101–7 5.3b,4.7
ISC Event type ke.
IDC III 29 13 40 33.0–2.3 2.01N 127.33E 0 3.2,3.2b
¶610543932

IDC Error ellipse: s-maj=187.1km s-min=26.9km az=67.0.
DJA III 29 15 42 58.9–.30 1N–4.0 125E–2.0 68–7 4.8b,4.1
¶615346023

ISC III 30 21 43 39.0–1.2 2.5N–.50 126E–1.0 105 3.6b 6 24-62
IDC III 30 21 43 26.9–1.2 2.49N 126.03E 0 4.0s,3.7 **¶610544012**
ISC Event type ke.
IDC Error ellipse: s-maj=154.5km s-min=18.3km az=67.0.
ISC IV 01 13 21 35.6–.75 0.36N–.07 126.09E–.06 44 3.9b 18 1-90
IDC IV 01 13 21 28.7–1.1 0.47N 126.14E 0 3.9,3.9b **¶610651705**
DJA IV 01 13 21 36.1–1.4 0N–4.0 126E–3.0 19–12 4.7b,4.0
ISC Event type ke.
IDC IV 01 13 31 34.8–2.2 0.39N 125.98E 0 3.1,3.0b
¶610651706

IDC Error ellipse: s-maj=183.5km s-min=29.4km az=65.0.
ISC IV 03 05 32 47.6–.44 0.41N–.05 126.80E–.06 10 4.5b 68 1-90
IDC IV 03 05 32 45.9–.83 0.52N 126.71E 0 4.0L,3.9 **¶610471082**
NEIC IV 03 05 32 47.9–.79 0.48N–.08 126.74E–.05 10–1 4.5b,3.9
DJA IV 03 05 32 48.9–.30 1N–4.0 127E–3.0 10 4.7b,4.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IV 03 07 40 41.4–2.1 1.29N 126.49E 0 3.4,3.4b
¶610651813

IDC Error ellipse: s-maj=178.3km s-min=26.5km az=66.0.
IDC IV 04 11 36 29.1–2.0 0.64N 126.77E 0 3.6s,3.6
¶610651909

IDC Error ellipse: s-maj=167.2km s-min=25.0km az=66.0.
IDC IV 06 03 12 16.1–2.3 1.64N 126.62E 0 3.5,3.4b
¶610652047

IDC Error ellipse: s-maj=201.8km s-min=26.8km az=66.0.
ISC IV 06 10 44 44.0–.80 0.57N–.10 126.33E–.07 47 4.0b 25 1-80
IDC IV 06 10 44 36.9–1.5 0.66N 126.31E 0 4.0,4.0b **¶610652067**
NEIC IV 06 10 44 44.8–1.2 0.6N–.10 126.36E–.06 51–10 4.1b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DJA IV 08 17 51 36.9–1.2 2N–3.0 126E–3.0 30–16 5.1b,4.4
¶615346107

ISC IV 09 19 17 16.9–.87 0.69N–.07 125.49E–.06 10 3.3b 13 2-59
IDC IV 09 19 17 14.7–1.9 0.36N 124.95E 0 3.4,3.3b **¶610652322**
DJA IV 09 19 17 20.7–.20 1N–3.0 126E–2.0 10 3.9b,3.6
ISC Event type ke.
ISC IV 11 09 33 33.9–1.1 2.16N–.07 127.8E–.20 10 3.7b 11 1-69
IDC IV 11 09 33 33.3–1.4 1.95N 127.38E 0 3.6,3.6b **¶610652446**
DJA IV 11 09 33 36.3–.60 2N–5.0 128E–5.0 10 3.8,3.8
ISC Event type ke.
ISC IV 12 04 51 15.8–1.2 2.03N–.09 126.5E–.10 47 3.4b 7 2-59
IDC IV 12 04 51 09.8–2.2 2.01N 126.28E 0 3.5,3.5b **¶610652515**
DJA IV 12 04 51 15.8–.80 2N–4.0 126E–4.0 45–84 3.4,3.4
ISC Event type ke.
ISC IV 12 09 44 40.1–.38 0.30N–.05 126.10E–.06 44 4.6b,3.4s 105 1-154
IDC IV 12 09 44 33.0–.51 0.23N 125.88E 0 4.4,4.4b **¶610526897**
DJA IV 12 09 44 40.5–.70 0N–3.0 126E–2.0 33–10 4.9b,4.5b
NEIC IV 12 09 44 41.0–1.6 0.29N–.06 126.14E–.05 55–8 4.6b,4.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IV 12 12 31 48.2–1.9 0.12N 125.72E 0 3.7,3.7b
¶610652555

IDC Error ellipse: s-maj=181.4km s-min=24.6km az=64.0.
IDC IV 12 14 34 30.4–1.9 0.31N 126.00E 0 3.4,3.4b
¶610652561

IDC Error ellipse: s-maj=176.3km s-min=25.7km az=65.0.
IDC IV 13 05 38 26.5–2.2 0.58N 126.20E 0 3.3,3.3b
¶610652606

IDC Error ellipse: s-maj=186.1km s-min=28.4km az=65.0.
IDC IV 13 15 32 32.9–2.1 1.87N 126.34E 0 3.3,3.3b
¶610652644

IDC Error ellipse: s-maj=179.0km s-min=25.4km az=65.0.
IDC IV 13 19 06 49.0–2.3 1.56N 126.34E 0 3.0,3.0b
¶610652654

IDC Error ellipse: s-maj=194.0km s-min=28.6km az=65.0.
IDC IV 13 22 17 02.3–17 1.21N 126.55E 268–172 3.6,2.9b
¶610652664

IDC Error ellipse: s-maj=179.3km s-min=20.1km az=57.0.
ISC IV 14 16 38 25.6–1.8 1.5N–.20 126.43E–.08 10 3.6b 11 1-59
IDC IV 14 16 38 21.8–2.0 1.67N 126.69E 0 3.6,3.6b **¶610652742**
DJA IV 14 16 38 28.0–.50 1N–6.0 126E–3.0 10 4.5b,3.7
ISC Event type ke.
IDC IV 15 06 43 25.7–2.0 1.44N 126.77E 0 3.7,3.6b
¶610652777

IDC Error ellipse: s-maj=176.0km s-min=23.8km az=66.0.
IDC IV 15 12 52 51.9–2.6 2.12N 127.99E 0 3.1,3.1b
¶610652797

IDC Error ellipse: s-maj=194.1km s-min=29.4km az=67.0.
ISC IV 15 17 24 56.7–1.1 1.63N–.07 125.67E–.07 100 3.0b 11 2-59
IDC IV 15 17 24 42.8–2.5 2.23N 126.42E 0 3.2,3.2b **¶610652808**
DJA IV 15 17 24 58.0–.50 2N–4.0 126E–3.0 84–8 5.3b,4.7
ISC Event type ke.
IDC IV 16 02 01 38.6–2.2 0.85N 126.51E 0 3.3,3.2b
¶610652838

IDC Error ellipse: s-maj=170.3km s-min=28.4km az=65.0.
ISC IV 18 23 56 14.0–1.1 0.3N–.50 126E–1.0 44 3.9s,3.8b 6 22-80
IDC IV 18 23 56 08.0–1.2 0.23N 125.94E 0 3.9,3.9b **¶610653013**
ISC Event type ke.
IDC Error ellipse: s-maj=213.5km s-min=18.0km az=67.0.
IDC IV 19 00 43 15.7–2.2 0.62N 126.75E 0 3.3,3.2b
¶610653019

IDC Error ellipse: s-maj=174.6km s-min=28.9km az=66.0.
ISC IV 19 08 06 50.1–.90 0.55N–.06 126.97E–.07 10 3.8b 16 0-65
IDC IV 19 08 06 47.6–2.0 0.71N 127.32E 0 3.8,3.7b **¶610653037**
DJA IV 19 08 06 51.0–.50 1N–3.0 127E–3.0 17–6 5.4b,4.8
ISC Event type ke.
ISC IV 19 20 55 43.9–.93 2.17N–.08 126.7E–.10 47 3.7b 14 2-82
IDC IV 19 20 55 38.1–1.7 1.85N 126.01E 0 3.7,3.7b **¶610653073**
DJA IV 19 20 55 43.1–1.6 2N–3.0 127E–3.0 26–15 5.0b,4.4
ISC Event type ke.
IDC IV 20 01 00 35.8–1.4 1.97N 126.33E 0 4.0L,3.7
¶610653086

IDC Error ellipse: s-maj=57.9km s-min=21.3km az=72.0.
ISC IV 20 07 50 17.2–1.3 0.4N–.10 125.8E–.10 44 3.9b 8 2-80
IDC IV 20 07 50 10.6–1.9 0.69N 126.30E 0 3.9,3.9b **¶610653103**
DJA IV 20 07 50 15.8–.30 0N–5.0 126E–4.0 10 4.0b,3.8
ISC Event type ke.
IDC IV 20 21 19 35.6–1.9 2.09N 126.78E 0 3.3,3.3b
¶610653136

IDC Error ellipse: s-maj=189.2km s-min=29.8km az=68.0.
IDC IV 21 01 13 07.0–2.2 1.41N 125.47E 0 3.4,3.3b
¶610653152

IDC Error ellipse: s-maj=211.9km s-min=27.2km az=64.0.
IDC IV 21 17 34 15.0–2.3 1.46N 126.79E 0 3.1,3.0b
¶610653212

IDC Error ellipse: s-maj=179.0km s-min=27.9km az=66.0.
ISC IV 22 00 39 31.8–1.2 0.8N–.10 126.15E–.07 44 3.6b 8 1-60
IDC IV 22 00 39 25.6–1.9 0.72N 125.86E 0 4.6s,3.6 **¶610653230**
DJA IV 22 00 39 30.0–.50 1N–9.0 126E–4.0 10 3.3,3.3
ISC Event type ke.
IDC IV 26 15 40 29.7–2.2 1.47N 126.61E 0 3.3,3.2b
¶610650065

IDC Error ellipse: s-maj=172.1km s-min=27.8km az=66.0.
IDC IV 26 19 30 09.0–9.1 2.06N 127.27E 75–103 3.7L,3.5
¶610650084

IDC Error ellipse: s-maj=145.3km s-min=24.0km az=73.0.
ISC IV 27 04 17 53.0–.98 0.50N–.09 126.01E–.07 10 3.9b 10 1-60
IDC IV 27 04 17 50.6–1.8 0.60N 126.30E 0 3.9,3.9b **¶610650100**
DJA IV 27 04 17 55.4–.30 1N–3.0 126E–2.0 10 3.3,3.3
ISC Event type ke.
IDC IV 27 22 30 00.3–2.1 0.87N 126.41E 0 3.5,3.5b
¶610650172

IDC Error ellipse: s-maj=179.3km s-min=25.6km az=65.0.
ISC IV 28 13 29 12.5–.29 0.52N–.04 126.17E–.04 44 4.7b,3.5s 174 1-163
IDC IV 28 13 29 05.7–.40 0.57N 125.97E 0 4.5,4.5b **¶610585851**
DJA IV 28 13 29 12.0–.20 1N–2.0 126E–1.0 43–3 5.0b,4.8b
NEIC IV 28 13 29 13.4–2.1 0.57N–.08 126.20E–.05 46–7 4.8b,4.8b
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s261.06735°,δ9.65057°,λ134.75049°. NP2: ϕ_s35.90856°,δ83.16251°,λ83.17330°. Principal axes: T Plg51.3783°,Azm298.1696° ; N Plg6.7779°,Azm36.7251°; P Plg37.8007°,Azm132.0149°
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 28 17 07 04.6–1.1 0.55N–.09 125.96E–.06 10 3.6b 11 1-60
IDC IV 28 17 07 02.5–1.7 0.47N 125.84E 0 3.6,3.6b **¶610650236**
DJA IV 28 17 07 05.9–.30 1N–4.0 126E–3.0 10 3.3,3.3
ISC Event type ke.
IDC IV 29 00 39 11.1–2.1 1.09N 126.50E 0 3.5,3.5b
¶610650268

IDC Error ellipse: s-maj=182.8km s-min=25.1km az=66.0.
IDC IV 29 06 02 49.7–2.1 0.49N 125.68E 0 3.2,3.2b
¶610650286

IDC Error ellipse: s-maj=175.2km s-min=28.6km az=64.0.
ISC IV 29 18 39 23.0–.82 1.34N–.07 125.72E–.05 84 4.0b 38 2-81
IDC IV 29 18 39 12.3–1.4 1.23N 125.16E 0 3.8b,3.7 **¶610650344**
NEIC IV 29 18 39 23.7–1.7 1.31N–.09 125.72E–.05 87–13 4.0b,3.7
DJA IV 29 18 39 24.0–.90 1N–3.0 126E–2.0 37–22 4.8b,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IV 29 21 33 29.4–1.8 0.30N 125.92E 0 3.5,3.5b
¶610650352

IDC Error ellipse: s-maj=167.9km s-min=24.4km az=65.0.
IDC IV 30 13 01 43.0–2.4 1.95N 126.45E 0 3.2,3.1b
¶610650413

IDC Error ellipse: s-maj=196.9km s-min=28.6km az=66.0.
ISC IV 30 22 00 26.7–.34 0.78N–.04 126.13E–.04 44 4.6b,3.6s 130 2-154
IDC IV 30 22 00 20.6–.52 0.73N 125.90E 0 4.2,4.2b **¶610589565**
DJA IV 30 22 00 25.2–1.1 1N–3.0 126E–2.0 16–9 5.0b,4.7b
NEIC IV 30 22 00 26.9–1.5 0.80N–.07 126.13E–.07 42–6 4.7b,4.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC V 01 00 40 27.4–2.0 0.43N 126.18E 0 3.4,3.3b
¶610689269

IDC Error ellipse: s-maj=175.7km s-min=27.0km az=65.0.
ISC V 02 23 16 38.5–1.0 2.09N–.09 126.72E–.10 35 3.6b 11 1-59
IDC V 02 23 16 33.2–1.3 1.87N 126.37E 0 3.6,3.6b **¶610689418**
DJA V 02 23 16 37.9–.30 2N–4.0 127E–3.0 10 4.0b,3.8
ISC Event type ke.
IDC V 03 19 31 41.9–2.0 0.94N 125.68E 0 3.4,3.4b
¶610689500

IDC Error ellipse: s-maj=177.4km s-min=25.9km az=65.0.
IDC V 04 07 37 41.3–2.1 2.75N 126.45E 0 3.7,3.7b
¶610689533

IDC Error ellipse: s-maj=172.6km s-min=24.9km az=66.0.
IDC V 04 10 07 21.9–18 0.12N 126.37E 0 3.4,3.4b
¶610689544

IDC Error ellipse: s-maj=287.7km s-min=186.3km az=159.0.
IDC V 04 16 19 11.8–1.7 2.49N 127.60E 0 3.5,3.5b
¶610689555

IDC Error ellipse: s-maj=133.7km s-min=26.7km az=69.0.
ISC V 06 23 55 17.8–1.0 2.6N–.20 126.9E–.30 10 3.9b 8 5-82
IDC V 06 23 55 16.2–1.1 2.60N 126.78E 0 3.9,3.9b **¶610689692**
ISC Event type ke.
IDC Error ellipse: s-maj=56.7km s-min=20.8km az=72.0.
ISC V 11 16 00 44.5–.51 0.52N–.06 126.28E–.06 47 4.4b 67 1-123
IDC V 11 16 00 37.9–.66 0.46N 126.04E 0 4.8s,4.2L **¶610634642**
DJA V 11 16 00 41.8–.30 1N–3.0 126E–2.0 10 4.8b,4.4b
NEIC V 11 16 00 44.3–2.1 0.50N–.09 126.33E–.06 40–9 4.5b,4.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC V 12 05 48 00.3–2.3 2.34N 126.27E 0 4.0s,3.4
¶610690102

IDC Error ellipse: s-maj=187.8km s-min=27.7km az=65.0.
ISC V 13 15 21 27.4–.97 0.8N–.10 126.14E–.06 10 4.0b 11 1-60
IDC V 13 15 21 25.3–1.7 0.48N 125.31E 0 3.9,3.9b **¶610690201**
DJA V 13 15 21 28.4–.40 1N–6.0 126E–2.0 10 3.9b,3.6
ISC Event type ke.
IDC V 14 14 26 38.6–1.8 0.27N 125.99E 0 3.6,3.5b
¶610690281

IDC Error ellipse: s-maj=174.0km s-min=25.0km az=64.0.
ISC V 14 15 36 52.3–1.4 1.8N–.20 126.30E–.09 47 3.3b 9 1-59
DJA V 14 15 36 43.8–1.5 2N–8.0 127E–7.0 175–19 3.6b,3.5 **¶610690285**
IDC V 14 15 36 45.8–2.3 1.94N 126.66E 0 3.4,3.3b
ISC Event type ke.
IDC Error ellipse: s-maj=177.4km s-min=27.9km az=66.0.
ISC V 15 00 56 37.2–1.3 0.6N–.20 125.8E–.10 10 3.5b 7 2-60
IDC V 15 00 56 36.1–2.2 1.15N 126.23E 0 3.3,3.2b **¶610690308**
DJA V 15 00 56 37.3–.50 0N–8.0 126E–6.0 10 3.3,3.3
ISC Event type ke.
IDC V 15 06 06 18.5–2.2 1.29N 125.93E 0 3.4,3.4b
¶610690319

IDC Error ellipse: s-maj=186.6km s-min=27.8km az=65.0.
IDC V 16 05 58 48.4–2.0 0.31N 126.57E 0 3.6,3.6b
¶610690388

IDC Error ellipse: s-maj=178.7km s-min=26.1km az=65.0.
ISC V 16 06 14 55.2–.94 0.03N–.06 125.86E–.05 44 4.0b 16 2-83
IDC V 16 06 14 48.1–1.6 0.18S 125.52E 0 4.0,3.9b **¶610690391**
DJA V 16 06 14 53.3–.20 0N–3.0 126E–2.0 10 4.1b,3.9
ISC Event type ke.
IDC V 17 00 41 51.4–1.5 1.59N 126.37E 0 3.7,3.6b
¶610690455

IDC Error ellipse: s-maj=146.7km s-min=22.3km az=69.0.
ISC V 17 01 01 37.4–.66 0.47N–.05 126.70E–.06 35 4.2b 33 1-60
IDC V 17 01 01 32.7–1.2 0.15N 126.06E 0 4.1,4.1b **¶610690457**
NEIC V 17 01 01 37.9–1.3 0.4N–.10 126.64E–.06 35–7 4.2b,4.1b
DJA V 17 01 01 37.1–.80 0N–3.0 127E–3.0 23–8 3.8,3.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 18 22 18 54.4–1.3 1.58N–.09 126.39E–.07 150 3.0b 10 1-59
IDC V 18 22 18 52.2–1.7 1.75S 122.41E 0 3.1,3.1b **¶610690625**
DJA V 18 22 18 58.2–.40 2N–5.0 126E–3.0 10 3.3,3.3
ISC Event type ke.
IDC V 19 09 40 04.1–1.6 1.37N 126.55E 0 3.8,3.8b
¶610690665

IDC Error ellipse: s-maj=175.6km s-min=20.4km az=65.0.
ISC V 19 16 27 17.9–.68 0.99N–.07 126.16E–.06 44 3.9b 24 1-124
IDC V 19 16 27 11.5–.72 0.86N 125.72E 0 3.9,3.9b **¶610690685**
DJA V 19 16 27 15.6–.30 1N–4.0 126E–2.0 10 4.3b,4.1
ISC Event type ke.
IDC V 19 20 10 17.3–2.1 1.52N 126.02E 0 3.5,3.5b
¶610690697

IDC Error ellipse: s-maj=187.9km s-min=26.6km az=65.0.
ISC V 20 18 10 13.1–.33 0.01N–.04 126.64E–.04 73 4.5b 150 1-94
DJA V 20 18 10 10.8–.20 0N–2.0 127E–2.0 10 4.8b,4.8b **¶610645991**
NEIC V 20 18 10 12.0–1.7 0.03N–.05 126.63E–.05 56–7 4.6b,4.8b
IDC V 20 18 10 12.8–2.6 0.05N 126.81E 68–24 4.4,4.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=6.4km az=148.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=28.0km s-min=11.7km az=80.0.
IDC V 20 18 51 47.0–2.2 1.97N 126.61E 0 3.2,3.2b
¶610685042

IDC Error ellipse: s-maj=184.1km s-min=26.4km az=66.0.
ISC V 22 14 59 21.3–.99 0.86N–.10 126.07E–.05 10 3.6b 15 1-64
IDC V 22 14 59 19.8–1.6 0.94N 126.26E 0 3.6,3.5b **¶610685164**
DJA V 22 14 59 23.6–.30 1N–4.0 126E–2.0 10 3.4b,3.4
ISC Event type ke.
ISC V 23 03 17 00.2–.73 2.59N–.08 126.96E–.08 100 4.1b 30 2-87
IDC V 23 03 16 50.3–1.6 2.58N 127.15E 0 4.4s,4.0 **¶610685196**
NEIC V 23 03 16 58.0–1.2 2.75N–.07 127.1E–.10 73–9 4.3b,4.0
DJA V 23 03 17 04.3–.50 2N–6.0 127E–4.0 10 5.1b,5.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 23 14 08 50.8–1.2 2.42N–.06 126.4E–.10 100 2.9b 10 2-58
IDC V 23 14 08 41.6–2.3 2.55N 126.23E 0 3.2,3.2b **¶610685225**
DJA V 23 14 08 50.3–.60 2N–3.0 126E–4.0 84–12 3.8b,3.5
ISC Event type ke.
ISC V 23 16 33 02.9–.67 1.93N–.06 126.74E–.08 47 4.1b 27 1-84
IDC V 23 16 32 57.3–1.2 1.71N 126.12E 0 3.8,3.8b **¶610685232**
DJA V 23 16 33 01.1–.40 2N–5.0 127E–3.0 10 4.1b,3.8
NEIC V 23 16 33 02.6–2.5 1.84N–.07 126.64E–.10 42–10 4.2b,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC V 23 20 29 34.3–2.1 1.01N 126.84E 0 3.2,3.1b
¶610685249

IDC Error ellipse: s-maj=169.7km s-min=27.1km az=66.0.
IDC V 24 11 15 18.1–1.3 0.20N 126.44E 0 3.5,3.5b
¶610685293

IDC Error ellipse: s-maj=85.9km s-min=25.3km az=71.0.
IDC V 24 17 37 31.0–2.0 1.36N 125.82E 0 3.3,3.3b
¶610685308

IDC Error ellipse: s-maj=171.3km s-min=25.7km az=65.0.
IDC V 25 07 57 19.9–2.2 1.80N 126.86E 0 3.5,3.5b
¶610685343

IDC Error ellipse: s-maj=184.8km s-min=26.4km az=66.0.
IDC V 25 19 35 02.9–2.4 2.48N 127.25E 0 3.3,3.3b
¶610685389

IDC Error ellipse: s-maj=184.5km s-min=28.1km az=67.0.
ISC V 26 07 57 32.4–.78 0.41N–.06 126.75E–.05 47 4.1b 23 1-75
DJA V 26 07 57 32.0–.60 0N–2.0 127E–3.0 26–7 5.2b,4.7b **¶610685417**
IDC V 26 07 57 40.5–4.3 0.13N 126.26E 121–40 4.1,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=40.2km s-min=13.3km az=68.0.
ISC V 27 03 40 27.6–.97 1.28N–.07 126.93E–.08 35 4.2b 20 1-60
IDC V 27 03 40 22.0–1.6 1.31N 127.02E 0 4.1,4.1L **¶610685473**
DJA V 27 03 40 26.6–.90 1N–5.0 127E–3.0 26–10 4.3b,4.0
ISC Event type ke.
ISC V 28 17 05 18.7–1.1 0.29N–.07 126.41E–.05 10 3.4b 11 1-60
IDC V 28 17 05 12.9–2.2 0.79N 126.76E 0 3.5,3.4b **¶610685560**
DJA V 28 17 05 18.3–.30 0N–3.0 126E–2.0 10 3.1,3.1
ISC Event type ke.
DJA V 28 17 11 16.4–.50 2N–3.0 127E–3.0 97–7 5.3b,4.8
¶615346656

IDC V 30 00 43 15.2–2.1 2.41N 126.84E 0 3.7,3.6b
¶610685676

IDC Error ellipse: s-maj=179.5km s-min=27.2km az=65.0.
IDC VI 01 20 11 41.0–1.7 0.66N 126.54E 0 3.8,3.7b
¶610764443

IDC Error ellipse: s-maj=167.4km s-min=22.4km az=65.0.
ISC VI 02 14 59 11.2–.88 2.02N–.09 126.79E–.07 50 4.1b 30 1-82
IDC VI 02 14 59 04.7–.99 1.99N 127.06E 0 4.0,4.0b **¶610791104**
DJA VI 02 14 59 13.8–.30 2N–4.0 127E–2.0 10 3.7,3.7
NEIC VI 02 14 59 14.6–1.8 1.8N–.10 126.66E–.10 69–11 4.1b,3.7

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 03 04 00 50.8–1.0 1.4N–.20 126.3E–.20 47 3.9b 8 1-64
IDC VI 03 04 00 44.3–1.5 1.47N 126.40E 0 3.8,3.8b ¶610791144
DJA VI 03 04 00 50.5–.90 2N–4.0 127E–5.0 12–9 3.7,3.7
ISC Event type ke.
ISC VI 03 11 15 34.1–.38 1.60N–.03 126.61E–.05 59–3 4.8b,3.4s 388 1-138
BJI VI 03 11 15 29.3–.00 1.05N 126.50E 60 4.9b,4.7b ¶610661114
IDC VI 03 11 15 33.0–2.2 1.61N 126.61E 58–20 4.8L,4.6
DJA VI 03 11 15 33.5–.20 2N–2.0 127E–2.0 53–3 5.1b,4.9b
NEIC VI 03 11 15 34.6–2.3 1.59N–.08 126.58E–.07 59–7 4.9b,4.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 04 00 51 52.1–.34 2.41N–.04 126.83E–.06 53 4.6b,4.2s 138 2-96
IDC VI 04 00 51 45.1–.57 2.34N 126.73E 0 4.3,4.3b ¶610661326
BJI VI 04 00 51 45.3–.00 2.37N 126.69E 9 4.9b,4.5b
MAN VI 04 00 51 50.1 2.23N 126.51E 242 5.1b,4.2s
NEIC VI 04 00 51 52.4–2.0 2.41N–.03 126.85E–.06 52–7 4.6b,4.2s
DJA VI 04 00 51 52.3–.50 3N–5.0 127E–4.0 60–5 5.1b,4.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VI 04 13 14 01.0–2.1 0.77N 126.41E 0 3.8s,3.3 ¶610791233
IDC Error ellipse: s-maj=165.9km s-min=27.9km az=65.0.
ISC VI 05 05 27 15.1–1.2 1.25N–.07 126.43E–.07 35 3.7b 10 1-59
IDC VI 05 05 27 09.2–2.0 1.29N 126.48E 0 3.7,3.7b ¶610791267
DJA VI 05 05 27 13.3–.30 1N–4.0 126E–3.0 10 3.5,3.5
ISC Event type ke.
IDC VI 05 17 31 35.9–2.2 1.80N 126.04E 0 3.6s,3.4 ¶610791291
IDC Error ellipse: s-maj=186.7km s-min=27.4km az=65.0.
ISC VI 07 14 18 52.7–.30 2.41N–.03 126.81E–.05 53 4.8b,3.5s 222 2-96
IDC VI 07 14 18 45.2–.50 2.39N 126.72E 0 4.5,4.5b ¶610666952
MAN VI 07 14 18 49.8 2.38N 126.85E 96 4.5b,3.3L
BJI VI 07 14 18 49.7–.00 1.85N 126.81E 84 4.8b,4.7b
DJA VI 07 14 18 51.8–.30 2N–3.0 127E–2.0 73–5 5.0b,4.6b
NEIC VI 07 14 18 53.5–1.7 2.35N–.08 126.83E–.08 58–7 4.8b,4.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VI 07 16 07 22.4–2.3 0.77N 126.74E 0 3.4,3.3b
MAN VI 07 16 07 40.6 5.32N 126.14E 97 4.1b,2.9L ¶610791410
IDC Error ellipse: s-maj=184.7km s-min=28.3km az=66.0.
ISC VI 09 05 00 46.5–1.1 2.72N–.07 126.03E–.07 100 4.2b 14 1-58
IDC VI 09 05 00 31.4–1.8 2.98N 125.97E 0 4.2,4.2b ¶610791500
DJA VI 09 05 00 48.7–1.5 3N–3.0 126E–3.0 27–17 4.5b,4.2
ISC Event type ke.
ISC VI 10 15 09 18.2–.93 0.50N–.08 125.46E–.06 10 3.4b 11 1-60
IDC VI 10 15 09 11.9–2.2 2.13N 128.86E 0 3.5,3.4b ¶615347541
DJA VI 10 15 09 22.0–.30 0N–4.0 125E–3.0 10 4.6b,3.8
ISC Event type ke.
ISC VI 11 07 17 31.0–1.2 1.5N–.20 127.0E–.10 35 3.4b 6 1-60
IDC VI 11 07 17 25.2–2.0 1.03N 126.11E 0 3.6,3.6b ¶610791642
DJA VI 11 07 17 32.7–1.3 2N–7.0 127E–5.0 32–25 6.0b,5.6
ISC Event type ke.
ISC VI 13 12 13 00.3–3.1 2.1N–.30 126.2E–.10 35 3.7b 7 2-63
DJA VI 13 12 12 52.9–3.0 3N–21 126E–8.0 139–34 3.6,3.6 ¶610791778
IDC VI 13 12 13 15.6–2.0 0.42N 127.99E 0 3.5,3.4b
ISC Event type ke.
IDC Error ellipse: s-maj=157.8km s-min=27.7km az=67.0.
ISC VI 13 16 10 22.1–.39 2.40N–.03 126.68E–.05 53–3 4.8b,3.5s 276 2-156
IDC VI 13 16 10 19.3–2.6 2.37N 126.69E 31–18 4.5,4.3b ¶610672831
BJI VI 13 16 10 19.5–.00 2.29N 126.80E 54 4.9b,4.7b
NEIC VI 13 16 10 20.4–2.0 2.41N–.07 126.86E–.08 35–1 4.8b,4.7b
DJA VI 13 16 10 21.5–1.3 3N–3.0 127E–2.0 31–19 5.2b,4.9b
MAN VI 13 16 10 30.3 2.93N 126.00E 12 5.2b,4.3s
ISC Event type se.
IDC Error ellipse: s-maj=22.2km s-min=9.3km az=76.0.
NEIC Event type se. Error ellipse: s-maj=14.7km s-min=10.0km az=237.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VI 13 18 22 06.3–1.9 1.15N 125.34E 0 3.6,3.5b ¶610791794
IDC Error ellipse: s-maj=180.0km s-min=24.2km az=64.0.
IDC VI 13 19 35 11.8–2.3 1.78N 126.99E 0 3.3,3.2b ¶610791796
IDC Error ellipse: s-maj=178.9km s-min=28.8km az=66.0.
IDC VI 14 05 44 07.5–1.7 1.73N 125.87E 0 3.7s,3.7 ¶610791831
IDC Error ellipse: s-maj=179.4km s-min=20.9km az=66.0.
ISC VI 14 18 08 21.5–1.0 1.39N–.07 126.43E–.06 35 3.4b 13 1-59
IDC VI 14 18 08 16.9–1.7 0.65N 124.71E 0 3.4,3.4b ¶610791878
DJA VI 14 18 08 20.2–1.4 1N–5.0 126E–3.0 15–14 3.5,3.5
ISC Event type ke.
ISC VI 15 14 34 01.5–.74 0.34N–.07 126.46E–.06 10 4.1b 30 1-60
IDC VI 15 14 33 59.3–1.1 0.36N 126.09E 0 4.1,4.1b ¶610791943
DJA VI 15 14 34 02.6–1.2 0N–3.0 126E–3.0 12–12 4.3b,3.8
NEIC VI 15 14 34 05.8–2.5 0.10N–.05 126.90E–.06 10–1 4.2b,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 19 04 33 22.9–1.1 1.47N–.09 125.9E–.10 50 3.7b 11 2-63
IDC VI 19 04 33 16.1–1.6 1.08N 125.40E 0 3.7,3.6b ¶610792164
DJA VI 19 04 33 29.4–.40 1N–6.0 126E–3.0 10 3.8,3.8
ISC Event type ke.
ISC VI 19 10 31 17.8–1.1 0.04N–.08 125.13E–.06 53 3.4b 12 1-35
IDC VI 19 10 31 16.7–12 0.53S 125.28E 0 3.7,3.6b ¶610792183
DJA VI 19 10 31 18.2–.50 0N–5.0 125E–3.0 70–21 3.9,3.9
ISC Event type ke.
ISC VI 20 03 04 09.8–.67 1.84N–.05 126.38E–.06 35 4.1b 33 1-89
IDC VI 20 03 04 04.7–1.0 1.75N 125.92E 0 3.9,3.9b ¶610789134
DJA VI 20 03 04 08.9–.40 2N–4.0 126E–2.0 10 5.0b,4.3
NEIC VI 20 03 04 08.2–1.3 1.66N–.09 126.03E–.07 25–7 4.3b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 21 22 46 43.0–.47 2.79N–.04 126.13E–.06 100 4.4b 80 1-88
IDC VI 21 22 46 31.9–1.0 2.59N 125.57E 0 4.5,4.5b ¶610789235
DJA VI 21 22 46 41.5–1.2 3N–3.0 126E–2.0 16–11 5.6b,5.2b
NEIC VI 21 22 46 42.7–1.8 2.73N–.06 126.13E–.08 90–8 4.3b,5.2b
MAN VI 21 22 46 44.0 2.91N 125.94E 100 5.1b,4.2s
ISC Event type se.
IDC Error ellipse: s-maj=31.2km s-min=14.4km az=78.0.
NEIC Event type se. Error ellipse: s-maj=13.6km s-min=3.9km az=54.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 22 20 56 33.3–.51 1.09N–.06 125.63E–.06 79 4.0b 68 2-123
NEIC VI 22 20 56 31.4–1.8 1.1N–.10 125.58E–.05 83–8 4.0b ¶610789294
DJA VI 22 20 56 31.2–.70 1N–4.0 126E–2.0 27–8 5.0b,4.3b
IDC VI 22 20 56 32.5–2.3 1.04N 125.55E 94–21 4.0,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=6.8km az=177.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=29.5km s-min=12.8km az=69.0.
ISC VI 23 19 02 10.9–1.2 1.54N–.08 126.51E–.10 47 3.0b 9 1-59
IDC VI 23 19 02 02.7–2.2 1.70N 127.02E 0 3.3,3.2b ¶610789356
DJA VI 23 19 02 10.2–1.4 1N–5.0 126E–3.0 17–13 3.1,3.1
ISC Event type ke.
ISC VI 23 21 00 13.9–1.1 1.49N–.07 126.83E–.09 103 3.4b 14 1-59
DJA VI 23 21 00 13.5–.60 2N–3.0 127E–4.0 111–7 3.8,3.8 ¶610789361
IDC VI 23 21 00 13.5–10 1.38N 126.90E 110–104 3.7,3.3s
ISC Event type ke.
IDC Error ellipse: s-maj=77.8km s-min=22.3km az=54.0.
ISC VI 24 22 16 13.9–.96 2.46N–.08 127.15E–.10 35 3.7b 14 2-59
IDC VI 24 22 16 08.1–1.1 2.09N 126.29E 0 3.7,3.7b ¶610789408
DJA VI 24 22 16 13.3–1.5 2N–4.0 127E–5.0 13–14 4.6b,4.5b
ISC Event type ke.
IDC VI 25 15 34 05.6–2.4 2.85N 126.35E 0 3.2,3.2b ¶610789453
IDC Error ellipse: s-maj=217.1km s-min=28.1km az=66.0.
ISC VI 26 13 24 19.9–.49 0.50N–.04 126.66E–.04 47 4.4b 61 1-60
NEIC VI 26 13 24 20.3–.58 0.48N–.10 126.66E–.06 57–11 4.5b ¶610695068
DJA VI 26 13 24 20.6–.20 1N–2.0 127E–2.0 50–7 5.1b,4.5
IDC VI 26 13 24 22.0–2.6 0.46N 126.64E 81–26 4.2,3.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.2km s-min=8.1km az=177.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=20.9km s-min=16.5km az=66.0.
ISC VI 27 00 29 17.6–.49 2.67N–.07 126.92E–.09 53 4.2b,4.0s 48 2-93
DJA VI 27 00 29 13.6–1.1 3N–9.0 127E–7.0 10 4.8b,4.3b ¶610789529
NEIC VI 27 00 29 18.9–1.7 2.56N–.10 126.8E–.10 61–9 4.2b,4.3b
IDC VI 27 00 29 18.2–4.6 2.59N 126.85E 59–45 4.1,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.8km s-min=12.1km az=62.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=48.1km s-min=13.7km az=72.0.
ISC VI 27 07 22 40.1–.68 2.39N–.07 126.90E–.08 10 4.1b,3.3s 32 2-82
IDC VI 27 07 22 38.4–.89 2.32N 126.68E 0 3.9,3.9b ¶610789557
DJA VI 27 07 22 43.1–.50 2N–7.0 127E–3.0 10 4.6b,4.6b
NEIC VI 27 07 22 46.0–1.2 2.24N–.09 126.7E–.10 52–7 4.0b,4.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 27 14 55 29.9–.36 1.46N–.03 126.79E–.04 82–3 4.9b 518 1-138
NEIC VI 27 14 55 29.6–1.1 1.42N–.05 126.79E–.07 77–4 4.9b ¶610696718
IDC VI 27 14 55 30.2–1.1 1.47N 126.87E 87–9 4.7,4.3b
DJA VI 27 14 55 30.2–.20 2N–2.0 127E–2.0 76–3 5.5,5.4b
GCMT VI 27 14 55 30.6–.40 1.73N–.02 126.88E–.03 73–5 4.9W,5.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s25,c26; s48,c58;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.11±.15 $M_{\theta\theta}$-1.42±.12; $M_{\phi\phi}$1.52±.16; $M_{r\theta}$-0.47±.11; $M_{\theta\phi}$2.12±.14; $M_{\phi r}$0.84±.17; Best double couple: NP1:ϕ_s163.00000°,δ86.00000°,λ-160.00000°. NP2:ϕ_s72.00000°,δ70.00000°,λ-4.00000°. Principal axes: T 2.7340,Plg11.0000° ,Azm296.0000°; N 0.0350,Plg69.0000°,Azm174.0000°; P -2.7770,Plg17.0000°,Azm29.0000° $M_0$2.75500×10^{16}
ISC VI 28 18 42 23.8–1.3 2.5N–.10 126.9E–.10 53 3.6b 9 2-59
IDC VI 28 18 42 17.4–2.3 2.64N 126.97E 0 3.6,3.6b ¶610789660
DJA VI 28 18 42 23.2–.70 2N–7.0 127E–5.0 70 4.2b,3.7
ISC Event type ke.
ISC VI 28 21 05 47.6–.60 1.79N–.06 126.67E–.07 47 4.2b 49 1-82
DJA VI 28 21 05 45.0–.30 2N–4.0 127E–2.0 10 5.2b,4.6 ¶610699033
NEIC VI 28 21 05 46.8–1.9 1.82N–.08 126.71E–.07 41–10 4.2b,4.6
IDC VI 28 21 05 47.7–3.6 1.79N 126.65E 51–34 4.0,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=8.0km az=214.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=40.9km s-min=20.4km az=60.0.
IDC VI 29 00 26 30.4–2.3 2.45N 126.50E 0 3.6,3.6b ¶610789678
IDC Error ellipse: s-maj=185.3km s-min=27.8km az=66.0.
ISC VI 29 16 57 17.9–.74 1.70N–.05 126.59E–.07 35 3.9b 31 1-59
IDC VI 29 16 57 12.8–1.8 1.60N 126.38E 0 3.8,3.7b ¶610789732
NEIC VI 29 16 57 17.5–2.3 1.77N–.06 126.57E–.08 35–2 4.2b,3.7b
DJA VI 29 16 57 17.1–.40 2N–5.0 127E–3.0 10 3.9b,3.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 29 20 52 53.2–1.4 0.29N–.10 125.11E–.06 50 3.1b 10 1-60
IDC VI 29 20 52 37.4–3.0 2.37N 128.73E 0 3.3,3.3b ¶615350486
DJA VI 29 20 52 53.8–.40 0N–5.0 125E–3.0 51–35 3.8,3.8
ISC Event type ke.

(267) Halmahera.

IDC I 02 03 06 29.1–1.8 0.81S 127.35E 0 3.5,3.4b ¶610236434
IDC Error ellipse: s-maj=156.4km s-min=27.7km az=73.0.
ISC I 02 14 47 15.7–1.3 1.89N–.07 127.6E–.10 10 3.7b 12 1-64
IDC I 02 14 47 14.4–1.2 1.41N 126.61E 0 3.6,3.6b ¶610236476
DJA I 02 14 47 21.5–1.2 2N–3.0 127E–5.0 16–13 5.3,5.2b
ISC Event type ke.
ISC I 04 08 01 41.5–1.0 0.57S–.06 127.90E–.05 35 17 1-62
IDC I 04 08 01 36.0–1.7 0.69S 127.87E 0 3.9L,3.6s ¶610236682
DJA I 04 08 01 39.7–.30 1S–2.0 128E–2.0 10 5.9b,5.4
ISC Event type ke.
ISC I 06 12 09 24.0–.88 2.3N–.20 128.8E–.40 250 3.9b 9 23-60
IDC I 06 12 09 24.2–3.0 2.30N 128.78E 251–30 4.0,3.4b ¶610236829
ISC Event type ke.
IDC Error ellipse: s-maj=51.8km s-min=11.5km az=76.0.
ISC I 07 12 25 22.9–.35 1.83N–.04 127.10E–.06 63 4.6b 138 1-147
DJA I 07 12 25 23.4–.70 2N–3.0 127E–3.0 21–8 5.1b,4.8b ¶610038962
IDC I 07 12 25 23.8–1.6 1.76N 127.11E 80–15 4.4,4.1b
BJI I 07 12 25 24.2–.00 1.84N 126.99E 81 5.0b,4.6b
NEIC I 07 12 25 24.1–1.5 1.80N–.07 127.12E–.08 71–7 4.6b,4.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 11 08 28 24.6–1.5 2.0N–.10 127.3E–.20 100 3.3b 9 1-59
IDC I 11 08 28 14.2–2.1 1.43N 126.19E 0 3.4,3.4b ¶610237137
DJA I 11 08 28 24.9–.60 2N–3.0 127E–4.0 109–7 3.6,3.6
ISC Event type ke.
ISC I 13 07 16 13.2–.90 1.94S–.06 128.47E–.07 10 17 1-63
IDC I 13 07 16 11.0–1.4 1.98S 128.44E 0 3.7b,3.6 ¶610237284
DJA I 13 07 16 14.6–1.0 2S–3.0 128E–2.0 12–9 5.1b,4.5
ISC Event type ke.
ISC I 15 06 17 27.0–.79 1.97S–.05 128.39E–.04 34 4.0b 22 1-151
IDC I 15 06 17 22.7–.97 2.05S 128.33E 0 3.9b,3.8 ¶610237414
DJA I 15 06 17 28.0–1.1 2S–2.0 128E–2.0 36–25 6.7,6.0
ISC Event type ke.
IDC I 15 06 32 52.9–1.7 1.99S 128.27E 0 3.1,3.1b ¶610237417
IDC Error ellipse: s-maj=44.1km s-min=27.8km az=72.0.
ISC I 15 08 19 51.7–.00 1.93S–.07 128.40E–.05 34 15 2-63
DJA I 15 08 19 50.7–.40 2S–3.0 128E–2.0 82–8 3.9b,3.5 ¶610237424
IDC I 15 08 19 58.1–4.6 2.14S 128.52E 91–39 3.6,3.2b
ISC Event type ke.
IDC Error ellipse: s-maj=62.0km s-min=18.2km az=70.0.
ISC I 15 09 11 16.3–.65 1.98S–.08 128.58E–.08 35 4.1b 23 3-88
IDC I 15 09 11 11.3–1.2 2.08S 128.43E 0 4.0,4.0b ¶610237429
NEIC I 15 09 11 16.4–1.1 1.89S–.09 128.67E–.06 36–9 4.0b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC I 15 12 34 16.7–1.7 2.00N 128.54E 0 3.7b,3.6 ¶610237438
IDC Error ellipse: s-maj=84.7km s-min=23.8km az=58.0.
ISC I 17 03 25 19.2–.49 1.97S–.05 128.45E–.06 34 4.2b,3.4s 57 1-151
IDC I 17 03 25 15.4–.77 1.88S 128.35E 0 4.2L,4.0 ¶610237563
DJA I 17 03 25 18.5–1.4 2S–2.0 128E–2.0 19–14 5.3b,5.1b
NEIC I 17 03 25 19.3–1.8 1.96S–.05 128.45E–.07 39–9 4.3b,5.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 17 03 57 32.1–1.0 2.0S–.10 128.42E–.06 34 3.7b 13 1-67
IDC I 17 03 57 26.9–1.2 2.05S 128.30E 0 3.6,3.6b ¶610237566
DJA I 17 03 57 30.6–1.1 2S–3.0 128E–2.0 20–10 5.1b,4.5
ISC Event type ke.
ISC I 17 21 34 53.2–1.0 1.6N–.10 128.4E–.10 100 3.9b 24 4-82
NEIC I 17 21 34 52.7–.71 1.65N–.10 128.4E–.10 90–7 4.0b ¶610237624
IDC I 17 21 34 53.4–2.1 1.63N 128.55E 101–19 3.9,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.9km s-min=9.0km az=51.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=33.7km s-min=14.1km az=57.0.
ISC I 18 08 12 46.2–.75 2.83N–.09 128.28E–.09 35 4.2b 24 2-85
NEIC I 18 08 12 47.5–1.3 2.8N–.10 128.26E–.06 41–9 4.2b ¶610237653
IDC I 18 08 12 48.6–4.2 2.82N 128.47E 57–40 4.0,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.4km s-min=8.8km az=181.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=44.7km s-min=17.2km az=79.0.
IDC I 18 17 19 23.7–2.7 0.44N 128.28E 0 3.2,3.1b ¶610237676
IDC Error ellipse: s-maj=206.7km s-min=29.3km az=68.0.
ISC I 21 05 16 33.4–.24 2.82N–.03 128.21E–.03 61–1 5.6b 1507 2-176
MAN I 21 05 16 26.5 2.43N 128.28E 65 6.0b,5.6s ¶610104707
IDC I 21 05 16 29.1–1.4 2.94N 128.17E 30–9 5.4L,5.2
MOS I 21 05 16 30.3–1.2 2.89N 128.13E 52 5.8b,4.8s
KLM I 21 05 16 31 2.87N 128.43E 44 5.9b,4.8s
NEIC I 21 05 16 31.8–2.1 2.83N–.06 128.21E–.06 47–5 5.7b,5.6
GCMT I 21 05 16 32.8–.10 2.99N–.01 128.23E–.01 33–0 5.6W,5.6
DJA I 21 05 16 34.1–.20 3N–2.0 128E–1.0 55–2 6.0b,5.9
NEIC I 21 05 16 35.3 2.95N 128.41E 46 6.0b,5.9
ISC Event type se. Moment Tensor Solution. NP1:ϕs89.91621°,δ83.32450°,λ178.30075°. NP2: ϕs180.11380°,δ88.31227°,λ6.67841°. Principal axes: T Plg5.9133°,Azm45.1981° ; N Plg83.1126°,Azm194.2327°; P Plg3.5186°,Azm314.8332°
IDC Error ellipse: s-maj=12.7km s-min=7.5km az=72.0.
MOS Error ellipse: s-maj=7.1km s-min=4.0km az=113.8.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=7.9km az=57.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s124,c221; s140,c237;Duration: 1s5 Moment tensor: Scale 10[17]Nm; Mrr-0.04±.04 Mθθ1.79±.04; Mϕϕ-1.75±.04; Mrθ-0.56±.07; Mθϕ-2.15±.03; Mϕr0.87±.07; Best double couple: NP1:ϕs341.00000°,δ87.00000°,λ20.00000°. NP2:ϕs250.00000°,δ70.00000°,λ177.00000°. Principal axes: T 3.0590,Plg16.0000° ,Azm207.0000°; N -0.1840,Plg70.0000°,Azm350.0000°; P -2.8750,Plg11.0000° ,Azm113.0000° M0 2.96700×10[17]
NEIC Event type se. Moment Tensor Solution.Duration: 3s3 Moment tensor: Scale 10[17]Nm; Mrr-0.41 Mθθ2.02 Mϕϕ-1.61 Mrθ0.14 Mθϕ-2.54 Mϕr0.70 NP1:ϕs161.31000°,δ82.01000° ,λ-12.50000°. NP2:ϕs253.08000°,δ77.63000°,λ-171.82000°. Principal axes: T 3.3348,Plg3.0000°,Azm208.0000°; N -0.2431,Plg75.0000°,Azm309.0000° ; P -3.0916,Plg14.0000°,Azm117.0000° M0 3.21000×10[17]
IDC I 21 08 32 13.7–2.5 2.67N 128.06E 0 3.2,3.2b ¶610234983
IDC Error ellipse: s-maj=186.7km s-min=27.4km az=68.0.
ISC I 21 09 55 56.9–.51 2.64N–.06 128.03E–.08 51 4.1b,2.8s 47 2-86
IDC I 21 09 55 58.8–4.3 2.80N 128.23E 59–43 4.0,4.0L ¶610234991
NEIC I 21 09 55 59.0–1.9 2.60N–.07 128.10E–.04 71–9 4.2b,4.0L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC I 22 12 30 46.7–2.0 2.61N 128.32E 0 3.7,3.6b ¶610235108
IDC Error ellipse: s-maj=145.0km s-min=24.2km az=67.0.
ISC I 23 14 56 46.0–.94 2.9N–.10 128.2E–.10 50 4.1b 21 2-85
DJA I 23 14 56 44.1–1.5 3N–14 128E–8.0 10 4.1b,3.9 ¶610235203
IDC I 23 14 56 45.9–5.5 2.86N 128.29E 46–65 3.8,3.8L
NEIC I 23 14 56 46.7–.63 2.88N–.07 128.20E–.07 52–11 4.2b,3.8L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 25 06 15 38.3–.89 1.41N–.08 127.22E–.10 150 4.4b 51 1-64
IDC I 25 06 15 22.0–1.5 1.47N 127.00E 0 4.2,4.2b ¶610235301
DJA I 25 06 15 38.8–.60 1N–5.0 127E–4.0 125–6 5.2b,4.6
NEIC I 25 06 15 39.0–1.1 1.33N–.08 127.2E–.10 146–9 4.5b,4.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC I 26 07 17 58.8–2.8 2.51N 128.37E 0 3.3,3.3b ¶610235366
IDC Error ellipse: s-maj=219.6km s-min=27.0km az=68.0.
ISC I 27 07 39 00.9–.97 1.7N–.20 128.0E–.20 100 3.6b 9 4-64
IDC I 27 07 39 03.4–3.2 1.88N 128.23E 130–28 3.7,3.3b ¶610235449
ISC Event type ke.
IDC Error ellipse: s-maj=92.4km s-min=23.0km az=66.0.
IDC I 28 15 56 38.2–2.2 1.79N 127.06E 0 3.4,3.4b ¶610235571
IDC Error ellipse: s-maj=181.0km s-min=26.0km az=66.0.
IDC II 04 06 39 09.6–4.2 2.91N 129.60E 0 3.1,3.1b ¶610414790
IDC Error ellipse: s-maj=309.7km s-min=29.5km az=69.0.
IDC II 06 03 29 50.7–2.4 2.55N 128.12E 0 3.3,3.3b ¶610414927
IDC Error ellipse: s-maj=156.7km s-min=28.7km az=68.0.
IDC II 07 12 37 06.7–1.7 1.34S 128.49E 0 3.6b,3.5 ¶610415043
IDC Error ellipse: s-maj=99.8km s-min=27.6km az=63.0.
ISC II 08 01 08 00.5–1.5 1.4N–.10 127.2E–.10 103 3.7b 9 1-60
IDC II 08 01 07 47.5–2.1 1.44N 126.92E 0 3.6,3.5b ¶610415080
DJA II 08 01 08 04.7–1.0 1N–5.0 127E–5.0 83–19 3.6,3.6
ISC Event type ke.
IDC II 08 09 21 01.1–24 1.83N 128.58E 520–327 3.5,2.7b ¶610415109
IDC Error ellipse: s-maj=232.0km s-min=58.4km az=57.0.
ISC II 08 20 50 13.3–1.1 2.2N–.10 128.2E–.10 200 3.9b 18 6-85
NEIC II 08 20 50 15.9–.89 2.11N–.10 128.1E–.20 223–11 4.4b ¶610415140
IDC II 08 20 50 20.2–20 1.97N 128.02E 272–217 3.8,3.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=25.0km s-min=9.9km az=63.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=124.0km s-min=37.8km az=65.0.
ISC II 10 03 42 48.3–.58 1.29N–.08 128.14E–.06 100 4.1b 30 1-125
NEIC II 10 03 42 49.3–1.7 1.2N–.20 128.03E–.08 106–11 4.3b ¶610415211
IDC II 10 03 42 50.0–4.1 1.31N 128.31E 113–40 3.9,3.5b
DJA II 10 03 42 51.0–.70 1N–7.0 128E–5.0 55–18 3.6b,3.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC II 10 19 09 05.0–1.7 0.14S 129.89E 0 3.2s,3.2 ¶610415256
IDC Error ellipse: s-maj=47.4km s-min=23.4km az=42.0.
ISC II 10 23 26 00.9–.34 1.59N–.04 127.42E–.06 128 4.6b 135 1-124
DJA II 10 23 26 01.9–.20 2N–3.0 127E–2.0 129–2 5.3b,4.9b ¶610208118
NEIC II 10 23 26 02.6–1.1 1.59N–.08 127.45E–.07 140–6 4.7b,4.9b
IDC II 10 23 26 03.3–1.6 1.59N 127.48E 154–14 4.5,4.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=9.6km az=173.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=22.3km s-min=8.2km az=76.0.
IDC II 11 06 50 22.2–2.5 2.70N 128.17E 0 3.4,3.4b ¶610415293
IDC Error ellipse: s-maj=178.3km s-min=26.9km az=68.0.
ISC II 13 16 19 35.9–.00 2.5N–.20 128.0E–.60 51 3.7b 6 23-59
IDC II 13 16 19 29.4–1.1 2.46N 127.97E 0 3.7,3.7b ¶610415458
ISC Event type ke.
IDC Error ellipse: s-maj=103.7km s-min=17.9km az=72.0.
ISC II 16 13 35 23.8–.43 1.87N–.04 127.13E–.07 63 4.6b 86 1-122
DJA II 16 13 35 24.7–.30 2N–3.0 127E–2.0 64–5 5.1b,4.6b ¶610415634
IDC II 16 13 35 26.4–2.7 1.80N 127.13E 87–26 4.2,3.9b
NEIC II 16 13 35 27.1–2.0 1.72N–.08 127.00E–.09 94–7 4.7b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 16 18 09 22.0–.78 2.73N–.09 128.2E–.10 51 4.0b 21 2-59
IDC II 16 18 09 21.8–2.7 2.76N 128.30E 50–32 4.5L,3.9 ¶610231627
NEIC II 16 18 09 28.5–1.6 2.4N–.20 128.3E–.10 83–17 4.1b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 19 17 23 23.3–1.1 1.35N–.06 127.11E–.08 150 3.1b 16 1-60
IDC II 19 17 23 10.3–2.1 0.79N 125.64E 0 3.2,3.2b ¶610415830
DJA II 19 17 23 24.7–.70 1N–3.0 127E–5.0 104–10 4.2b,3.7
ISC Event type ke.
ISC II 21 22 20 07.8–1.0 2.91N–.10 129.0E–.10 200 3.9b 21 3-74
NEIC II 21 22 20 10.2–.59 2.8N–.10 128.9E–.10 214–11 4.2b ¶610384775
IDC II 21 22 20 40.6–15 1.73N 127.55E 560–217 3.8,2.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.5km s-min=10.8km az=58.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=163.5km s-min=19.7km az=51.0.
IDC II 23 10 54 29.4–3.2 1.70N 128.76E 0 3.2,3.2b ¶610384874
IDC Error ellipse: s-maj=254.3km s-min=26.8km az=68.0.
IDC II 26 06 37 48.8–1.6 2.90N 128.23E 0 3.7,3.7b ¶610385038
IDC Error ellipse: s-maj=142.8km s-min=20.1km az=71.0.
ISC II 26 09 05 34.4–.72 2.01N–.09 128.4E–.10 92 3.7b 17 2-86
DJA II 26 09 05 31.9–1.0 2N–5.0 128E–5.0 26–8 5.1b,4.5 ¶610385046
IDC II 26 09 05 34.9–4.9 2.08N 128.38E 92–48 3.8,3.4b
ISC Event type ke.
IDC Error ellipse: s-maj=41.8km s-min=15.4km az=76.0.
ISC II 28 19 08 34.0–.35 1.34S–.03 127.58E–.04 30–2 4.9b,3.8s 537 1-152
BJI II 28 19 08 26.4–.00 1.92S 128.17E 30 5.1b,4.9b ¶610242064
MOS II 28 19 08 30.8–.90 1.34S 127.58E 26 5.0b,4.9b
GCMT II 28 19 08 33.2–.30 1.37S–.03 127.52E–.03 22–1 4.9W,4.9b
DJA II 28 19 08 33.1–.10 1S–1.0 128E–2.0 10 5.3b,5.3
NEIC II 28 19 08 34.2–2.0 1.32S–.05 127.58E–.06 32–4 5.0b,5.3
IDC II 28 19 08 35.6–1.9 1.39S 127.66E 48–18 4.9L,4.7
ISC Event type se.
MOS Error ellipse: s-maj=9.9km s-min=5.2km az=114.1.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s13,c14; s64,c88;Duration: 0 Moment tensor: Scale 10[16]Nm; Mrr-2.10±.26 Mθθ0.11±.14; Mϕϕ1.99±.16; Mrθ-0.76±.29; Mθϕ1.15±.09; Mϕr1.06±.22; Best double couple: NP1:ϕs181.00000°,δ58.00000°,λ-120.00000°. NP2:ϕs49.00000°,δ43.00000°,λ-51.00000°. Principal axes: T 2.6280,Plg8.0000° ,Azm292.0000°; N 0.1160,Plg25.0000°,Azm198.0000°; P -2.7420,Plg63.0000°,Azm39.0000° M0 2.68500×10[16]
NEIC Event type se. Error ellipse: s-maj=8.6km s-min=7.2km az=50.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=18.3km s-min=8.8km az=71.0.
IDC III 04 04 49 31.4–2.7 0.81S 127.85E 0 3.4,3.4b ¶610545496
IDC Error ellipse: s-maj=226.6km s-min=27.9km az=67.0.
IDC III 04 09 04 31.0–2.1 1.50N 127.02E 0 3.6,3.5b ¶610545511
IDC Error ellipse: s-maj=183.1km s-min=24.5km az=66.0.
ISC III 04 20 09 12.8–.39 2.55N–.04 128.32E–.07 167 4.3b 120 2-125
DJA III 04 20 09 12.6–.60 3N–4.0 128E–5.0 163–5 4.9b,4.6b ¶610245287
IDC III 04 20 09 13.1–4.1 2.56N 128.45E 170–38 4.3,3.9b
NEIC III 04 20 09 13.1–1.1 2.58N–.07 128.33E–.10 167–6 4.4b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC III 04 21 29 45.7–2.3 2.70N 128.33E 0 3.3,3.3b ¶610545549
IDC Error ellipse: s-maj=153.0km s-min=26.4km az=68.0.
IDC III 05 09 39 46.6–2.0 2.49N 128.76E 0 3.6,3.6b ¶610545585
IDC Error ellipse: s-maj=171.3km s-min=22.1km az=69.0.
IDC III 05 16 42 25.9–1.2 2.85N 128.44E 0 3.4,3.4b ¶610545599
IDC Error ellipse: s-maj=52.0km s-min=20.7km az=71.0.
IDC III 05 21 05 24.4–1.7 0.63N 127.12E 0 3.4,3.4b ¶610545610
IDC Error ellipse: s-maj=179.8km s-min=23.5km az=67.0.
ISC III 06 03 58 06.3–.91 0.35S–.08 129.53E–.06 35 4.0b 18 2-127
IDC III 06 03 58 02.0–1.6 0.39S 129.36E 0 3.9,3.8b ¶610545621
DJA III 06 03 58 05.6–.50 0S–4.0 130E–3.0 73–27 4.0b,3.9
ISC Event type ke.
ISC III 06 11 26 33.4–1.6 1.3N–.10 127.2E–.10 10 3.1b 9 1-60
IDC III 06 11 26 30.9–2.6 1.16N 127.34E 0 3.2,3.1b ¶610545656
DJA III 06 11 26 35.4–.80 1N–5.0 127E–5.0 18–10 3.9b,3.8
ISC Event type ke.
IDC III 06 16 42 41.2–2.6 2.85N 128.19E 0 3.1,3.1b ¶610545676
IDC Error ellipse: s-maj=182.4km s-min=29.2km az=68.0.
IDC III 07 05 04 35.6–10 2.37N 128.23E 231–105 3.6,3.0b ¶610545700
IDC Error ellipse: s-maj=150.9km s-min=21.5km az=65.0.
ISC III 08 01 38 43.8–.28 2.31N–.03 128.59E–.03 55–2 5.5b,4.6s 1033 2-166
KLM III 08 01 38 38 2.46N 128.89E 10 5.7b,4.6s ¶611831997
BJI III 08 01 38 40.3–.00 2.05N 128.99E 65 5.1b,5.1b
MOS III 08 01 38 40.0–1.0 2.39N 128.55E 36 5.6b,4.6s
IDC III 08 01 38 42.8–1.2 2.36N 128.46E 40–9 5.2,5.1L
GCMT III 08 01 38 43.1–.10 2.62N–.01 128.65E–.01 42–1 5.2W,5.1L
NEIC III 08 01 38 44.5 2.30N 128.62E 58 5.2W,5.1L
NEIC III 08 01 38 44.1–1.9 2.30N–.06 128.66E–.06 58–4 5.6b,5.2
NEIC III 08 01 38 44.5 3.10N 128.62E 60 5.6b,5.2
DJA III 08 01 38 45.2–.10 2N–2.0 129E–1.0 61–1 5.9b,5.7b
ISC Event type se. Moment Tensor Solution. NP1:ϕs78.72081°,δ32.90178°,λ87.52315°. NP2: ϕs261.67007°,δ57.13284°,λ91.60154°. Principal axes: T Plg77.8041°,Azm177.0379° ; N Plg1.3451°,Azm80.8008°; P Plg12.1192°,Azm350.5119°
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s96,c142; s127,c212;Duration: 1s0 Moment tensor: Scale 10[17]Nm; Mrr0.47±.02 Mθθ-0.63±.01; Mϕϕ0.16±.02; Mrθ-0.51±.02; Mθϕ0.33±.01; Mϕr0.44±.02; Best double couple: NP1:ϕs310.00000°,δ71.00000°,λ110.00000°. NP2:ϕs82.00000°,δ27.00000°,λ45.00000°. Principal axes: T 0.8260,Plg59.0000° ,Azm248.0000°; N 0.1950,Plg19.0000°,Azm123.0000°; P -1.0210,Plg23.0000°,Azm25.0000° M0 0.92300×10[17]

NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution.Duration: 1s1.0 Moment tensor: Scale 10^{16}Nm; M_{rr}7.27 $M_{\theta\theta}$-7.61 $M_{\phi\phi}$0.34 $M_{r\theta}$-2.41 $M_{\theta\phi}$1.24 $M_{\phi r}$3.33 NP1:ϕ_s297.63000°,δ58.55000° ,λ111.48000°. NP2:ϕ_s80.60000°,δ37.45000°,λ59.09000°. Principal axes: T 8.8068,Plg68.0000°,Azm253.0000°; N -0.4392,Plg18.0000°,Azm106.0000° ; P -8.3676,Plg11.0000°,Azm12.0000° $M_0$8.59000×10^{16}
IDC III 08 20 30 43.8–1.9 2.47N 128.21E 0 3.8s,3.5 ¶610545833
IDC Error ellipse: s-maj=146.8km s-min=23.1km az=66.0.
ISC III 09 07 35 04.6–1.0 2.4N–.10 128.5E–.10 200 4.2b 19 2-64
IDC III 09 07 34 58.6–5.4 1.89N 127.18E 147–57 4.0,3.6b **¶610545863**
DJA III 09 07 35 06.8–.70 2N–6.0 128E–5.0 219–8 4.8b,4.5
ISC Event type ke.
DJA III 09 14 55 04.0–1.1 2N–5.0 128E–9.0 193–9 4.8b,4.1 ¶615345830
ISC III 10 11 13 21.7–.58 2.69N–.06 128.50E–.08 250 4.0b 51 2-93
IDC III 10 11 13 20.1–5.1 2.71N 128.35E 234–42 4.0,3.4b **¶610545952**
NEIC III 10 11 13 21.7–1.2 2.7N–.10 128.5E–.10 243–9 4.1b,3.4b
DJA III 10 11 13 22.0–.70 3N–7.0 128E–5.0 231–5 4.9b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 12 21 24 58.0–1.2 2.4N–.10 128.7E–.20 10 3.6b 9 2-60
IDC III 12 21 24 57.4–1.5 1.98N 127.71E 0 3.6,3.6b **¶610546099**
DJA III 12 21 24 58.7–2.1 2N–7.0 129E–7.0 12–14 3.9,3.9
ISC Event type ke.
ISC III 15 01 38 56.8–.25 1.82N–.03 127.06E–.04 63 4.9b 425 1-165
MOS III 15 01 38 52.9–.83 1.80N 127.05E 43 4.9b **¶610329116**
BJI III 15 01 38 56.2–.00 1.80N 127.10E 65 5.2b,4.7b
IDC III 15 01 38 57.4–1.5 1.79N 127.14E 71–12 4.6,4.3b
NEIC III 15 01 38 57.1–1.4 1.76N–.05 127.03E–.03 63–5 5.1b,4.3b
DJA III 15 01 38 57.7–.20 2N–2.0 127E–2.0 59–3 5.3b,5.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 15 08 16 13.8–1.2 1.78N–.09 127.34E–.10 112 4.2b 16 1-64
DJA III 15 08 16 12.9–.50 2N–4.0 127E–5.0 118–5 4.9b,4.5b **¶610546239**
IDC III 15 08 16 15.1–11 1.73N 127.34E 127–107 4.5L,4.3
ISC Event type ke.
IDC Error ellipse: s-maj=81.6km s-min=15.6km az=56.0.
ISC III 15 19 34 24.3–1.1 2.7N–.10 128.6E–.10 50 3.5b 13 2-59
IDC III 15 19 34 25.9–5.0 2.83N 128.50E 64–53 4.2L,3.5 **¶610546270**
DJA III 15 19 34 30.0–1.1 2N–12 128E–5.0 74–8 4.1b,3.9
ISC Event type ke.
ISC III 17 22 28 01.8–.52 2.94N–.04 128.03E–.05 156–4 4.7b 348 2-148
IDC III 17 22 28 01.6–1.8 2.97N 128.13E 152–16 4.6,4.2b **¶610344607**
NEIC III 17 22 28 02.1–1.4 2.93N–.08 128.09E–.08 154–6 4.7b,4.2b
DJA III 17 22 28 02.9–.40 3N–4.0 128E–3.0 145–3 5.0b,4.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 18 13 12 26.9–1.0 2.49N–.09 128.3E–.10 100 3.7b 15 2-62
IDC III 18 13 12 28.3–3.5 2.58N 128.32E 115–34 3.8,3.4b **¶610546455**
DJA III 18 13 12 32.5–1.3 2N–8.0 128E–12 61–5 5.0b,4.9
ISC Event type ke.
IDC III 23 04 10 06.8–1.3 1.23N 127.02E 0 3.7,3.7L ¶610543504
IDC Error ellipse: s-maj=58.3km s-min=21.0km az=70.0.
ISC III 23 08 53 54.4–.58 1.55N–.06 128.58E–.08 61 4.1b 39 1-93
IDC III 23 08 53 47.0–.94 1.71N 128.80E 0 3.9,3.8b **¶610543524**
DJA III 23 08 53 51.3–.80 2N–4.0 129E–3.0 11–7 4.9b,4.3b
NEIC III 23 08 53 55.6–2.2 1.44N–.08 128.48E–.09 66–4 4.3b,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC III 26 20 47 03.5–2.5 2.49N 128.79E 0 3.5,3.4b ¶610543746
IDC Error ellipse: s-maj=184.8km s-min=25.0km az=68.0.
ISC III 28 20 13 42.0–.58 1.81N–.05 127.18E–.06 100 4.1b 68 1-64
IDC III 28 20 13 41.7–2.7 1.63N 127.19E 85–29 4.0,3.7b **¶610543868**
DJA III 28 20 13 41.6–.60 2N–4.0 127E–4.0 58–10 4.8b,4.3b
NEIC III 28 20 13 42.1–1.4 1.73N–.09 127.19E–.07 94–7 4.3b,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 29 17 13 51.7–1.5 2.5N–.50 128E–1.0 51 3.7b 6 20-77
IDC III 29 17 13 45.1–1.3 2.50N 127.93E 0 3.7,3.7b **¶610543945**
ISC Event type ke.
IDC Error ellipse: s-maj=122.8km s-min=18.4km az=68.0.
ISC III 29 20 07 09.7–1.1 1.2S–.20 127.66E–.10 50 3.5b 7 4-66
IDC III 29 20 07 11.4–6.0 1.21S 127.77E 72–69 3.6L,3.5 **¶610543953**
ISC Event type ke.
IDC Error ellipse: s-maj=44.9km s-min=21.5km az=81.0.
ISC III 31 06 00 54.0–.75 1.89N–.10 127.4E–.10 112 4.1b 22 1-82
IDC III 31 06 00 40.7–1.7 2.04N 127.76E 0 4.3,4.3b **¶610544029**
NEIC III 31 06 00 56.5–1.8 1.83N–.08 127.4E–.10 137–3 4.1b,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 31 06 06 15.5–1.0 1.96S–.08 127.96E–.06 33 11 1-63
DJA III 31 06 06 17.3–.50 2S–3.0 128E–3.0 80–9 3.2,3.2 **¶610544030**
IDC III 31 06 06 32.0–2.4 4.01S 127.87E 0 3.2,3.2b
ISC Event type ke.
IDC Error ellipse: s-maj=180.1km s-min=30.9km az=67.0.
ISC IV 01 20 28 32.1–.59 2.42N–.07 128.4E–.10 250 3.9b 35 2-92
IDC IV 01 20 28 06.7–.96 2.65N 128.35E 0 4.0,3.9b **¶610651724**
NEIC IV 01 20 28 30.8–.93 2.57N–.10 128.5E–.10 227–5 4.0b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IV 02 13 17 56.8–2.5 0.40S 127.39E 0 3.1,3.0b ¶610651761
IDC Error ellipse: s-maj=206.8km s-min=29.2km az=66.0.
ISC IV 03 01 00 53.4–1.1 1.80N–.08 127.7E–.10 10 3.7b 12 1-60
IDC IV 03 01 00 52.2–1.2 1.66N 127.18E 0 3.8,3.7b **¶610651784**
DJA IV 03 01 00 52.5–.60 2N–5.0 128E–5.0 10–4 5.6b,5.2
ISC Event type ke.
IDC IV 03 01 42 41.6–2.5 0.90S 129.72E 0 3.7s,3.4b ¶610651786
IDC Error ellipse: s-maj=160.4km s-min=28.0km az=70.0.
IDC IV 05 12 49 31.0–2.1 2.43N 128.55E 0 3.3,3.2b ¶610652010
IDC Error ellipse: s-maj=166.6km s-min=24.1km az=69.0.
DJA IV 06 18 58 23.2–1.0 2N–4.0 127E–9.0 122–10 4.4b,3.8b ¶615346085
IDC IV 08 14 13 33.3–2.0 2.13N 128.17E 0 3.7,3.7b ¶610652231
IDC Error ellipse: s-maj=130.5km s-min=26.7km az=66.0.
ISC IV 11 13 14 41.9–.94 1.8S–.10 127.2E–.30 25 4.3b 14 14-75
IDC IV 11 13 14 39.6–12 1.71S 127.72E 0 4.5L,4.1 **¶610652460**
NEIC IV 11 13 14 44.5–1.6 1.71S–.09 127.6E–.30 35–2 4.1b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 11 23 09 34.5–.89 1.9N–.10 127.6E–.10 112 4.0b 18 6-77
IDC IV 11 23 09 23.1–2.1 1.97N 127.43E 0 3.8s,3.6 **¶610652506**
NEIC IV 11 23 09 35.8–1.3 1.89N–.06 127.6E–.10 123–11 4.0b,3.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IV 13 02 52 57.8–4.7 1.55N 129.45E 0 3.3,3.2b ¶610652600
IDC Error ellipse: s-maj=376.6km s-min=29.3km az=69.0.
IDC IV 13 10 42 18.0–2.2 1.72N 127.07E 0 3.4,3.3b ¶610652629
IDC Error ellipse: s-maj=176.5km s-min=25.8km az=66.0.
ISC IV 14 22 09 49.3–1.2 0.6N–.10 127.4E–.30 100 3.6b 7 0-60
IDC IV 14 22 09 38.2–1.4 0.88N 127.38E 0 3.8,3.7b **¶610652757**
DJA IV 14 22 09 47.8–1.0 1N–4.0 128E–9.0 96–13 3.0,3.0
ISC Event type ke.
IDC IV 18 04 44 38.8–1.8 1.54S 127.44E 0 3.5,3.5b ¶610652965
IDC Error ellipse: s-maj=152.3km s-min=28.0km az=73.0.
ISC IV 18 14 47 32.3–1.2 0.7N–.20 127.4E–.10 17–10 3.9b 20 0-60
IDC IV 18 14 47 31.2–2.1 0.75N 127.56E 0 3.8,3.7b **¶610652986**
DJA IV 18 14 47 32.2–.30 1N–2.0 127E–5.0 10 3.5,3.5
NEIC IV 18 14 47 32.3–.48 0.8N–.10 127.4E–.10 17–5 4.0b,3.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 19 13 40 20.3–.43 1.51N–.04 128.21E–.06 91–3 4.7b 193 1-125
DJA IV 19 13 40 19.7–.20 2N–2.0 128E–2.0 81–2 5.3b,4.8b **¶610537716**
NEIC IV 19 13 40 20.4–1.0 1.50N–.08 128.25E–.08 87–7 4.9b,4.8b
IDC IV 19 13 40 21.1–2.5 1.57N 128.39E 100–22 4.5,4.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=10.9km az=45.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=22.2km s-min=10.3km az=78.0.
IDC IV 20 03 55 32.4–2.1 1.42S 127.76E 0 3.6s,3.4 ¶610653093
IDC Error ellipse: s-maj=167.9km s-min=26.8km az=67.0.
IDC IV 21 13 10 03.2–4.1 0.52N 127.07E 184–38 3.6,3.2b ¶610653198
IDC Error ellipse: s-maj=153.3km s-min=13.1km az=67.0.
IDC IV 22 13 56 37.1–2.1 1.12N 127.00E 0 3.5,3.4b ¶610653268
IDC Error ellipse: s-maj=172.7km s-min=24.4km az=66.0.
IDC IV 22 16 42 46.6–2.4 2.54N 128.03E 0 3.2,3.1b ¶610653273
IDC Error ellipse: s-maj=170.4km s-min=27.2km az=67.0.
IDC IV 24 01 40 18.9–2.3 1.62N 127.40E 0 3.6,3.6b ¶610649847
IDC Error ellipse: s-maj=172.9km s-min=27.6km az=67.0.
ISC IV 26 04 52 01.8–.27 1.43N–.03 128.14E–.04 99–2 5.0b 821 1-166
BJI IV 26 04 51 55.5–.00 0.78N 128.54E 102 5.0b,4.9b **¶610554508**
MOS IV 26 04 51 59.6–.76 1.47N 128.09E 92 5.1b,4.9b
IDC IV 26 04 52 01.4–1.3 1.41N 128.12E 96–12 4.8,4.5b
NEIC IV 26 04 52 02.0–1.1 1.42N–.07 128.13E–.06 92–4 5.0b,4.5b
GCMT IV 26 04 52 01.0–.20 1.61N–.02 128.20E–.02 95–2 5.0W,4.5b
DJA IV 26 04 52 02.1–.20 1N–2.0 128E–2.0 93–2 5.5b,5.2b
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s90.03888°,δ34.41048°,λ71.01090°. NP2: ϕ_s292.68008°,δ57.69918°,λ102.56501°. Principal axes: T Plg73.9920°,Azm236.5847° ; N Plg10.5960°,Azm105.8880°; P Plg11.8598°,Azm13.6366°
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s65,c72; s102,c131;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.82±.09 $M_{\theta\theta}$-3.19±.10; $M_{\phi\phi}$0.36±.13; $M_{r\theta}$0.27±.09; $M_{\theta\phi}$1.32±.13; $M_{\phi r}$0.95±.09; Best double couple: NP1:ϕ_s309.00000°,δ49.00000°,λ120.00000°. NP2:ϕ_s88.00000°,δ49.00000°,λ60.00000°. Principal axes: T 3.2210,Plg68.0000° ,Azm287.0000°; N 0.4050,Plg22.0000°,Azm109.0000°; P -3.6260,Plg0.0000°,Azm18.0000° $M_0$3.42400×10^{16}
IDC IV 27 09 22 13.0–2.0 1.98N 127.55E 0 3.6,3.6b ¶610650120
IDC Error ellipse: s-maj=153.6km s-min=25.5km az=66.0.
ISC IV 28 10 07 33.6–1.6 1.24N–.09 127.4E–.40 10 3.7b 6 0-60
DJA IV 28 10 07 33.9–.40 1N–3.0 127E–6.0 10 3.4,3.4 **¶610650214**
IDC IV 28 10 07 34.5–1.4 0.58N 126.12E 0 3.6,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=141.2km s-min=21.9km az=68.0.
ISC IV 30 01 14 28.8–.45 1.89N–.04 127.08E–.08 63 4.3b 74 1-124
DJA IV 30 01 14 29.1–1.0 2N–5.0 127E–4.0 24–13 4.9b,4.6b **¶610589466**
NEIC IV 30 01 14 30.6–1.6 1.76N–.09 127.06E–.08 79–8 4.3b,4.6b
IDC IV 30 01 14 31.1–.72 1.87N 127.42E 83–6 4.2,3.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.8km s-min=9.6km az=216.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=27.7km s-min=11.1km az=74.0.
ISC IV 30 06 54 47.1–1.3 2.5N–.30 128.1E–.30 51 3.6b 7 5-64
IDC IV 30 06 54 40.6–1.3 2.47N 127.90E 0 4.0L,3.7 **¶610650389**
ISC Event type ke.
IDC Error ellipse: s-maj=84.0km s-min=20.2km az=63.0.
IDC V 01 22 17 12.4–1.8 2.10N 128.51E 0 3.4L,3.3 ¶610689344
IDC Error ellipse: s-maj=100.6km s-min=25.5km az=62.0.
ISC V 02 18 48 48.8–.55 1.59N–.06 128.73E–.06 50 4.0b 57 2-75
DJA V 02 18 48 46.8–.50 2N–5.0 129E–4.0 10 4.5b,4.4b **¶610689413**
IDC V 02 18 48 48.7–2.5 1.70N 128.84E 47–30 4.0L,3.8
NEIC V 02 18 48 50.0–2.3 1.51N–.09 128.64E–.06 54–10 4.2b,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 07 12 00 27.1–1.2 2.6N–.10 128.8E–.10 200 3.9b 23 3-60
IDC V 07 12 00 04.2–2.0 2.99N 128.85E 0 3.9,3.9b **¶610689722**
NEIC V 07 12 00 24.3–.58 2.8N–.10 128.89E–.06 172–14 4.1b,3.9b
DJA V 07 12 00 30.9–.90 3N–7.0 128E–7.0 222–5 4.6b,4.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 09 15 46 26.3–1.3 1.17N–.09 128.34E–.10 10 3.2b 8 2-65
IDC V 09 15 46 25.1–1.4 1.21N 128.24E 0 3.2,3.2b **¶610689902**
DJA V 09 15 46 25.6–1.9 2N–9.0 128E–11 109–27 3.2,3.2
ISC Event type ke.
ISC V 10 21 08 12.2–1.0 1.9N–.20 127.9E–.20 100 3.7b 8 4-60
IDC V 10 21 08 11.8–5.3 1.82N 127.92E 95–55 3.8,3.5b **¶610689993**
ISC Event type ke.
IDC Error ellipse: s-maj=77.3km s-min=17.7km az=70.0.
IDC V 12 16 34 59.0–3.3 0.72N 128.09E 0 3.4,3.3b ¶610690141
IDC Error ellipse: s-maj=192.9km s-min=30.8km az=89.0.
ISC V 16 05 47 03.5–.34 1.79N–.03 127.29E–.05 100 4.6b 137 1-124
DJA V 16 05 47 02.6–.20 2N–2.0 127E–2.0 70–5 5.1b,4.7b **¶610641348**
IDC V 16 05 47 03.9–2.5 1.75N 127.37E 100–22 4.5,4.2b
NEIC V 16 05 47 05.3–1.1 1.67N–.10 127.30E–.09 109–5 4.7b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 16 23 01 41.7–1.0 0.90S–.06 127.31E–.08 31 12 0-62
IDC V 16 23 01 37.1–2.3 0.78S 127.72E 0 3.3,3.2b **¶610690449**
DJA V 16 23 01 40.2–.30 1S–3.0 127E–3.0 10 3.6b,3.5
ISC Event type ke.
ISC V 17 21 44 16.9–1.4 1.8N–.10 127.3E–.10 112 4.0b 11 1-59
IDC V 17 21 44 03.3–1.8 2.00N 127.67E 0 4.0,4.0b **¶610690527**
DJA V 17 21 44 15.2–.90 2N–5.0 127E–7.0 114–8 3.9b,3.6
ISC Event type ke.
ISC V 19 03 50 11.2–1.0 0.31S–.07 127.5E–.10 35 4.0b 10 0-66
IDC V 19 03 50 07.2–2.1 0.74S 126.24E 0 3.8,3.8b **¶610690642**

DJA V 19 03 50 09.4–.40 0S–4.0 127E–5.0 10 3.8b,3.5
ISC Event type ke.
IDC V 21 08 49 33.0–2.0 0.24N 128.89E 0 3.4,3.4b
¶610685075
IDC Error ellipse: s-maj=132.1km s-min=25.5km az=68.0.
IDC V 21 08 57 10.4–1.8 1.52N 127.11E 0 3.6,3.6b
¶610685076
IDC Error ellipse: s-maj=142.1km s-min=24.1km az=65.0.
ISC V 23 03 05 46.1–2.0 1.4N–.20 128.3E–.10 35 3.8b 7 1-86
IDC V 23 03 05 34.2–3.3 2.45N 129.74E 0 3.7,3.7b **¶610685195**
DJA V 23 03 05 42.4–.80 2N–9.0 128E–5.0 15–8 3.9b,3.7
ISC Event type ke.
ISC V 23 15 12 58.9–2.5 2.7N–.20 128.8E–.20 200 3.5b 10 2-36
IDC V 23 15 12 02.5–31 6.36N 126.89E 0 3.7,3.7b **¶615346584**
DJA V 23 15 13 02.1–.70 3N–7.0 128E–5.0 216–4 4.9b,4.2
ISC Event type ke.
ISC V 26 16 48 15.6–1.6 2.4N–.20 128.4E–.10 50 3.2b 10 2-60
IDC V 26 16 48 12.2–2.4 1.42N 125.91E 0 3.3,3.3b **¶615346622**
DJA V 26 16 48 19.4–1.1 2N–10 128E–5.0 33–10 4.4b,4.0b
ISC Event type ke.
ISC V 28 03 41 25.4–1.1 0.25N–.08 127.2E–.10 100 3.3b 12 1-61
IDC V 28 03 41 11.7–2.5 0.03N 126.65E 0 3.5,3.5b **¶610685536**
DJA V 28 03 41 30.3–.60 0N–4.0 127E–5.0 95–14 3.8,3.7
ISC Event type ke.
ISC V 28 07 18 19.5–1.4 1.5N–.20 127.2E–.60 100 3.1b 7 5-60
IDC V 28 07 18 06.8–2.3 1.78N 127.50E 0 4.1s,3.5 **¶610685545**
ISC Event type ke.
IDC Error ellipse: s-maj=183.5km s-min=26.4km az=67.0.
IDC V 28 12 40 37.8–16 0.56S 128.04E 0 3.4,3.4b
¶610685554
IDC Error ellipse: s-maj=245.1km s-min=153.7km az=153.0.
IDC V 30 16 25 37.8–1.8 2.77N 129.85E 0 3.7s,3.7
¶610685728
IDC Error ellipse: s-maj=162.4km s-min=19.6km az=69.0.
ISC V 31 21 16 56.6–.40 2.79N–.03 128.64E–.05 225–3 4.6b 327 2-159
BJI V 31 21 16 52.1–.00 2.34N 128.91E 230 4.4b,4.4b **¶610657026**
IDC V 31 21 16 55.1–.55 2.71N 128.57E 213–4 4.6,4.0b
DJA V 31 21 16 57.8–.30 3N–3.0 129E–2.0 224–2 5.4,5.4b
NEIC V 31 21 16 57.9–1.4 2.71N–.06 128.55E–.09 235–6 4.7b,5.4b
MAN V 31 21 16 59.7 3.03N 128.53E 234 5.3b,4.5s
ISC Event type se.
IDC Error ellipse: s-maj=12.6km s-min=7.0km az=74.0.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=8.7km az=87.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 01 08 38 55.1–1.3 1.18S–.07 127.8E–.20 35 7 1-33
DJA VI 01 08 38 54.7–.50 1S–2.0 128E–11 24–3 3.4,3.4 **¶615347344**
IDC VI 01 08 39 12.5–12 3.44S 128.19E 0 3.4,3.3b
ISC Event type ke.
IDC Error ellipse: s-maj=187.0km s-min=157.6km az=120.0.
IDC VI 03 19 05 32.4–2.0 1.38S 128.20E 0 3.6b,3.5
¶610791183
IDC Error ellipse: s-maj=151.0km s-min=24.4km az=68.0.
ISC VI 03 19 06 16.7–1.4 3.0N–.10 128.8E–.10 200 3.6b 17 3-50
IDC VI 03 19 05 48.7–8.8 3.39N 127.23E 0 3.7,3.7b **¶610791184**
DJA VI 03 19 06 19.2–.80 3N–6.0 128E–6.0 223–7 4.6b,4.0b
ISC Event type ke.
ISC VI 04 12 42 20.5–.84 2.9N–.10 128.3E–.20 50 4.0b 20 2-93
IDC VI 04 12 42 14.5–1.1 2.81N 128.14E 0 3.8,3.8b **¶610791232**
NEIC VI 04 12 42 21.6–2.6 2.8N–.10 128.3E–.10 51–10 4.4b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 05 20 31 51.8–1.1 1.9S–.10 129.03E–.08 10 10 2-63
IDC VI 05 20 31 49.7–2.9 1.75S 129.05E 0 3.7L,3.5 **¶610791300**
DJA VI 05 20 31 52.8–.30 2S–5.0 129E–3.0 10 5.4b,4.9
ISC Event type ke.
DJA VI 06 19 46 15.8–.70 2N–4.0 127E–5.0 121–7 3.7b,3.5
¶615347474
ISC VI 06 21 41 46.1–1.4 2.7N–.10 128.6E–.10 200 3.7b 12 2-59
IDC VI 06 21 41 23.0–2.2 3.13N 128.95E 0 3.8,3.8b **¶610791356**
DJA VI 06 21 41 48.8–1.7 3N–11 128E–11 208–8 5.2b,4.6
ISC Event type ke.
DJA VI 07 20 23 21.3–.80 1N–2.0 128E–6.0 21–6 4.4b,3.7b
¶615347495
IDC VI 08 06 12 18.4–1.4 2.38N 128.28E 0 3.8,3.8b
¶610791443
IDC Error ellipse: s-maj=123.4km s-min=19.6km az=69.0.
IDC VI 09 05 51 40.2–1.9 2.67N 128.23E 0 3.9,3.9b
¶610791503
IDC Error ellipse: s-maj=140.4km s-min=23.2km az=66.0.
IDC VI 12 05 52 34.9–2.1 0.60N 127.59E 0 3.2,3.1b
¶610791700
IDC Error ellipse: s-maj=139.0km s-min=29.0km az=66.0.
ISC VI 14 09 47 47.8–.33 2.70N–.03 128.18E–.05 51 4.8b,4.5s 224 2-125
IDC VI 14 09 47 47.4–1.6 2.70N 128.20E 50–14 4.6,4.6L **¶610673076**
NEIC VI 14 09 47 48.0–1.4 2.64N–.06 128.21E–.08 49–7 4.9b,4.6L
DJA VI 14 09 47 47.5–.30 3N–3.0 128E–2.0 66–3 5.3b,5.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VI 14 12 47 09.9–2.2 2.63N 128.12E 0 3.5,3.4b
¶610791866
IDC Error ellipse: s-maj=140.7km s-min=27.9km az=67.0.
ISC VI 16 10 26 45.1–1.3 2.7N–.10 128.4E–.10 250 3.4b 15 2-59
DJA VI 16 10 26 44.1–.50 3N–4.0 128E–3.0 216–5 5.1b,4.5 **¶610791998**
IDC VI 16 10 26 50.9–10 1.83N 126.66E 272–98 3.5,2.9b
ISC Event type ke.
IDC Error ellipse: s-maj=163.2km s-min=28.2km az=64.0.
IDC VI 17 05 11 30.1–1.6 2.47N 128.04E 0 3.9,3.9b
¶610792044
IDC Error ellipse: s-maj=126.9km s-min=22.8km az=66.0.
ISC VI 17 21 39 11.2–1.7 2.3N–.10 128.4E–.20 250 3.1b 7 3-60
IDC VI 17 21 38 44.3–2.4 2.73N 128.59E 0 3.3,3.3b **¶610792083**
DJA VI 17 21 39 11.0–.80 2N–7.0 128E–5.0 226–6 4.7b,4.0
ISC Event type ke.
ISC VI 20 04 46 07.5–.78 0.29N–.05 127.62E–.07 10 3.9b 14 1-61
IDC VI 20 04 46 05.8–1.2 0.24N 127.53E 0 3.9,3.9b **¶610789139**
DJA VI 20 04 46 07.2–.30 0N–2.0 128E–4.0 10 4.2b,3.9
ISC Event type ke.
ISC VI 20 14 47 45.5–.38 2.31N–.03 128.63E–.04 29–2 5.0b,3.9s 581 2-163
BJI VI 20 14 47 43.6–.00 2.66N 128.85E 10 4.9b,4.7b **¶610759022**
MOS VI 20 14 47 44.7–1.6 2.31N 128.69E 31 5.0b,4.7b
NEIC VI 20 14 47 46.9–1.4 2.31N–.07 128.58E–.06 35–1 5.0b,4.7b
DJA VI 20 14 47 49.7–.40 2N–4.0 129E–2.0 46–3 5.4b,5.4
MAN VI 20 14 47 48.4 2.59N 128.74E 236 5.3b,4.4s
IDC VI 20 14 47 48.1–1.1 2.31N 128.70E 56–10 4.7,4.3b
ISC Event type se.
MOS Error ellipse: s-maj=9.6km s-min=5.3km az=112.2.
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=10.3km az=184.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=14.8km s-min=7.1km az=70.0.
ISC VI 21 11 49 38.0–1.1 1.30N–.06 127.2E–.10 35 3.3b 15 1-60
IDC VI 21 11 49 32.9–2.0 1.20N 126.93E 0 3.5,3.5b **¶610789209**
DJA VI 21 11 49 36.0–.40 1N–2.0 127E–3.0 11–4 3.7,3.7
ISC Event type ke.
ISC VI 21 22 07 34.1–.87 2.34N–.09 128.68E–.08 35 3.8b 21 2-60
NEIC VI 21 22 07 32.1–1.2 2.38N–.08 128.65E–.07 15–8 4.0b **¶610789234**
IDC VI 21 22 07 36.3–4.8 2.30N 128.75E 57–50 3.9L,3.8
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.0km s-min=8.8km az=143.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=79.5km s-min=19.7km az=70.0.
DJA VI 23 09 12 10.8–.60 3N–5.0 128E–5.0 222–6 4.8b,4.2b
¶615350406
ISC VI 23 18 38 02.1–1.1 2.1N–.10 128.7E–.10 100 3.9b 28 2-82
IDC VI 23 18 37 51.0–1.9 2.08N 128.35E 0 4.1,4.0b **¶610789354**
NEIC VI 23 18 37 51.8–1.9 2.37N–.04 129.0E–.10 10–1 4.1b,4.0b
DJA VI 23 18 38 08.1–.60 2N–7.0 128E–4.0 129–8 4.4b,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 27 01 05 03.3–.26 2.15N–.03 128.27E–.04 179–2 5.0b 1007 2-159
BJI VI 27 01 05 01.0–.00 2.20N 128.40E 174 5.0b,4.9b **¶610695205**
MOS VI 27 01 05 02.8–.95 2.19N 128.22E 189 5.0b,4.9b
IDC VI 27 01 05 03.5–.49 2.14N 128.25E 184–4 5.0,4.5b
NEIC VI 27 01 05 03.1–1.5 2.13N–.06 128.33E–.07 173–5 5.0b,4.5b
GCMT VI 27 01 05 03.1–.20 2.26N–.02 128.27E–.02 178–1 5.1W,4.5b
DJA VI 27 01 05 04.0–.20 2N–2.0 128E–2.0 169–2 5.4,5.4b
MAN VI 27 01 05 06.1 2.68N 128.47E 142 5.7b,5.1s
ISC Event type se.
MOS Error ellipse: s-maj=7.8km s-min=4.5km az=115.4.
IDC Error ellipse: s-maj=10.3km s-min=6.0km az=69.0.
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=8.9km az=64.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s60,c72; s123,c185;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}5.09±.14 $M_{\theta\theta}$-4.38±.17; $M_{\phi\phi}$-0.70±.19; $M_{r\theta}$1.87±.14; $M_{\theta\phi}$-2.19±.16; $M_{\phi r}$2.40±.16; Best double couple: NP1:ϕ_s52.00000°,δ60.00000°,λ76.00000°. NP2:ϕ_s258.00000°,δ33.00000°,λ113.00000°. Principal axes: T 6.0630,Plg71.0000° ,Azm289.0000°; N 0.0150,Plg12.0000°,Azm59.0000°; P -6.0770,Plg14.0000°,Azm152.0000° $M_0$6.07000×10^{16}
IDC VI 27 01 30 18.6–2.4 1.10S 129.41E 0 3.2b,3.1
¶610789532
IDC Error ellipse: s-maj=145.2km s-min=29.3km az=69.0.
ISC VI 27 06 13 12.2–.61 2.47N–.06 128.54E–.07 250 4.2b 55 2-156
DJA VI 27 06 13 07.6–.80 2N–8.0 129E–6.0 237–5 4.8b,4.6 **¶610789548**
NEIC VI 27 06 13 12.0–1.8 2.5N–.10 128.51E–.10 234–10 4.5b,4.6
IDC VI 27 06 13 12.2–1.5 2.57N 128.81E 246–14 4.2,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.6km s-min=12.5km az=211.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=30.2km s-min=9.2km az=65.0.
ISC VI 28 05 31 48.8–.72 1.07S–.06 127.06E–.06 34 3.9b 21 1-66
IDC VI 28 05 31 44.5–.98 1.04S 127.30E 0 3.7,3.6b **¶610789618**
DJA VI 28 05 31 47.8–.30 1S–3.0 127E–2.0 10 4.5b,4.1
ISC Event type ke.
ISC VI 28 16 33 47.6–1.1 0.71S–.06 127.49E–.06 6–8 17 0-62
IDC VI 28 16 33 45.4–1.6 0.72S 127.43E 0 3.4,3.3b **¶610789654**
DJA VI 28 16 33 48.3–.30 1S–3.0 127E–2.0 10 4.8b,4.2b
ISC Event type ke.
IDC VI 29 14 53 01.1–1.7 0.91S 128.61E 0 3.5s,3.3
¶610789726
IDC Error ellipse: s-maj=33.6km s-min=27.6km az=39.0.
ISC VI 30 15 22 30.3–1.2 1.89N–.05 127.37E–.10 112 4.0b 17 1-59
IDC VI 30 15 22 16.0–2.0 2.04N 127.70E 0 3.9,3.9b **¶610789797**
DJA VI 30 15 22 31.7–.60 2N–3.0 127E–3.0 99–6 5.6b,5.1
ISC Event type ke.

(268) Sulawesi.

IDC I 13 05 50 51.6–1.9 4.54S 119.50E 0 3.4,3.4b
¶610237279
IDC Error ellipse: s-maj=271.4km s-min=23.3km az=56.0.
ISC I 20 10 26 43.0–.82 1.50S–.06 120.49E–.06 23 3.7b 19 2-63
IDC I 20 10 26 40.6–1.2 1.56S 120.69E 0 4.1L,3.7s **¶610234929**
DJA I 20 10 26 43.8–1.0 2S–2.0 120E–3.0 20–8 4.5b,4.2
ISC Event type ke.
ISC I 21 20 40 07.2–.95 3.44S–.06 122.30E–.06 10 3.6b 17 2-61
IDC I 21 20 40 05.9–1.4 3.34S 122.20E 0 3.7L,3.3 **¶610235017**
DJA I 21 20 40 07.0–.20 3S–2.0 122E–3.0 10 4.1b,4.0
ISC Event type ke.
IDC I 25 23 48 59.5–1.7 3.01S 121.64E 0 3.3,3.2b
¶610235350
IDC Error ellipse: s-maj=412.3km s-min=27.5km az=59.0.
ISC I 31 13 27 55.6–.66 1.27S–.06 121.92E–.06 35 4.0b,2.9s 38 1-63
DJA I 31 13 27 53.4–1.1 1S–3.0 122E–3.0 12–9 5.8b,5.3 **¶610235823**
IDC I 31 13 27 55.8–3.8 1.20S 121.92E 38–37 4.5L,3.9
NEIC I 31 13 27 56.9–1.8 1.28S–.07 121.96E–.06 48–12 4.1b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 07 08 52 04.2–1.1 1.62S–.05 120.0E–.10 35 3.3b 12 2-58
IDC II 07 08 51 57.8–1.7 1.45S 120.07E 0 3.9L,3.4 **¶610415028**
DJA II 07 08 52 03.7–2.3 2S–3.0 120E–6.0 26–22 4.6b,4.3
ISC Event type ke.
IDC II 10 01 21 42.1–19 1.63S 118.91E 0 3.8,3.8b
¶610415206
IDC Error ellipse: s-maj=472.0km s-min=241.6km az=29.0.
ISC II 16 12 40 54.3–.99 2.43S–.06 122.37E–.05 35 3.7b 24 1-52
IDC II 16 12 40 53.5–1.5 2.87S 122.42E 0 3.8L,3.7 **¶610415632**
DJA II 16 12 40 53.8–1.1 2S–2.0 122E–3.0 31–15 5.1b,4.6b
ISC Event type ke.
ISC III 09 16 48 32.4–.73 1.09S–.06 120.50E–.07 49 3.7b 20 2-88
IDC III 09 16 48 26.2–.93 1.03S 120.48E 0 4.2L,3.8 **¶610545885**
DJA III 09 16 48 28.8–1.2 1S–2.0 120E–3.0 20–11 4.2b,4.2
ISC Event type ke.
ISC III 10 15 47 56.1–.67 1.16S–.06 123.57E–.05 40 4.0b 32 1-64
IDC III 10 15 47 50.2–.78 1.06S 123.47E 0 3.9,3.9b **¶610545970**
DJA III 10 15 47 54.8–.20 1S–2.0 124E–2.0 10 4.8b,4.5b
ISC Event type ke.
ISC III 20 07 45 59.4–1.2 1.35S–.06 119.9E–.10 10 3.5b 14 2-58
IDC III 20 07 46 00.8–1.6 1.57S 120.19E 0 3.4,3.4b **¶610543316**
DJA III 20 07 46 01.9–1.3 1S–3.0 120E–5.0 24–13 5.2b,4.6
ISC Event type ke.
ISC III 20 10 58 33.9–1.2 1.55S–.08 120.4E–.10 23 3.7b 12 2-80
IDC III 20 10 58 29.8–1.5 1.48S 120.57E 0 4.0L,3.7 **¶610543327**
DJA III 20 10 58 34.6–.50 2S–3.0 120E–4.0 64–43 4.4b,4.3
ISC Event type ke.
DJA III 29 07 04 45.8–.30 1S–3.0 120E–5.0 10 4.9b,4.2
¶615346031
ISC III 31 17 19 34.2–.86 2.25S–.05 119.12E–.08 35 3.7b 17 2-63
IDC III 31 17 19 29.6–.99 2.19S 119.54E 0 3.8L,3.6 **¶610544063**
DJA III 31 17 19 35.1–2.0 2S–3.0 119E–6.0 32–32 4.5b,4.1
ISC Event type ke.
DJA IV 09 02 34 24.4–.20 1S–2.0 120E–3.0 10 6.0b,5.6
¶615346125
ISC IV 20 16 54 02.6–.36 1.15S–.04 119.96E–.05 28 4.5b,3.7s 139 1-130
GCMT IV 20 16 54 00.8–.40 1.14S–.02 120.08E–.04 21–2 4.8W,3.7s **¶610544440**
DJA IV 20 16 54 01.3–.20 1S–2.0 120E–2.0 10 4.9b,4.7
NEIC IV 20 16 54 03.8–1.8 1.16S–.06 119.89E–.06 37–7 4.6b,4.7
IDC IV 20 16 54 05.2–2.3 1.16S 119.93E 43–25 4.2,4.0b
ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s14,c14; s65,c88;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.45±.16 $M_{\theta\theta}$1.56±.10; $M_{\phi\phi}$-1.11±.12; $M_{r\theta}$-0.10±.16; $M_{\theta\phi}$-0.68±.06; $M_{\phi r}$-0.76±.25; Best double couple: NP1:ϕ_s324.00000°,δ71.00000°,λ-24.00000°. NP2:ϕ_s63.00000°,δ67.00000°,λ-159.00000°. Principal axes: T 1.7270,Plg2.0000° ,Azm14.0000°; N 0.0040,Plg59.0000°,Azm108.0000°; P -1.7280,Plg31.0000°,Azm283.0000° $M_0$1.72800×10^{16}

NEIC Event type se. Error ellipse: s-maj=8.6km s-min=8.2km az=46.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=23.2km s-min=12.2km az=76.0.
ISC IV 20 18 40 08.3–.98 1.11S–.05 119.94E–.07 10 3.4b 14 1-37
IDC IV 20 18 40 03.3–9.9 0.99S 119.61E 0 3.6L,3.5 **¶610653128**
DJA IV 20 18 40 09.1–1.0 1S–3.0 120E–4.0 14–9 3.5,3.5
ISC Event type ke.
ISC IV 28 06 48 48.8–.51 2.21S–.04 121.05E–.05 35 4.4b,3.5s 62 2-95
IDC IV 28 06 48 43.6–.81 2.19S 121.12E 0 4.2,4.1b **¶610575533**
DJA IV 28 06 48 46.3–.20 2S–2.0 121E–2.0 10 5.4b,4.9b
NEIC IV 28 06 48 50.1–1.6 2.14S–.06 121.13E–.06 49–9 4.3b,4.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DJA IV 28 21 19 11.5–.40 1S–3.0 120E–4.0 10 3.6b,3.6
¶615346270
ISC IV 29 20 05 01.5–.62 1.59S–.06 123.91E–.05 51 3.8b 42 1-60
DJA IV 29 20 04 59.6–.20 2S–2.0 124E–2.0 10 4.7b,4.7b **¶610650348**
NEIC IV 29 20 05 01.5–.96 1.59S–.07 123.96E–.06 41–11 4.1b,4.7b
IDC IV 29 20 05 02.0–2.3 1.67S 123.96E 43–26 3.8,3.7L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=7.6km az=208.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=20.3km s-min=14.9km az=164.0.
DJA IV 29 22 16 48.3–1.0 1S–2.0 120E–3.0 23–9 5.6b,5.1b
¶615346280
ISC V 01 11 06 21.1–1.0 2.18S–.06 121.06E–.06 35 3.3b 14 2-59
IDC V 01 11 06 15.6–1.6 1.84S 121.82E 0 3.4,3.3b **¶610689300**
DJA V 01 11 06 20.4–1.2 2S–3.0 121E–3.0 25–12 4.1b,3.9
ISC Event type ke.
DJA V 01 14 55 41.6–.30 3S–3.0 123E–3.0 10 3.9b,3.8
¶615346312
ISC V 12 16 27 55.1–1.1 1.05S–.06 119.86E–.07 10 3.6b 10 1-58
IDC V 12 16 27 44.9–1.6 1.00S 122.07E 0 4.0L,3.6 **¶615346401**
DJA V 12 16 27 56.1–.30 1S–3.0 120E–5.0 10 3.7,3.7
ISC Event type ke.
ISC V 20 03 11 27.5–.77 3.39S–.05 120.74E–.07 35 3.8b,3.1s 20 1-71
DJA V 20 03 11 26.0–.80 3S–2.0 121E–3.0 15–6 4.2,4.2 **¶610685002**
IDC V 20 03 11 28.0–2.7 3.34S 120.72E 44–31 3.9,3.8L
ISC Event type ke.
IDC Error ellipse: s-maj=20.2km s-min=18.3km az=55.0.
ISC V 24 09 10 17.0–.36 2.81S–.02 122.06E–.03 30–2 5.6b,5.1s 1215 2-167
BJI V 24 09 10 10.3–.00 3.48S 122.42E 40 5.5b,5.3s **¶611833974**
IDC V 24 09 10 12.7–.34 2.78S 122.02E 0 5.5L,5.3
MOS V 24 09 10 13.9–.97 2.72S 122.01E 22 5.9b,5.0s
NEIC V 24 09 10 14.3 2.79S 122.13E 10 5.9b,5.0s
NEIC V 24 09 10 14.3–1.8 2.79S–.03 122.12E–.05 10–1 5.7,5.7b
NEIC V 24 09 10 14.3 2.79S 122.13E 18 5.7,5.7b
NEIC V 24 09 10 14.3 2.79S 122.23E 18 5.7,5.7b
DJA V 24 09 10 15.5–.20 3S–1.0 122E–1.0 12–1 6.1b,6.0
KLM V 24 09 10 16 2.76S 122.25E 10 5.9b,6.0
GCMT V 24 09 10 16.3–.10 2.76S 122.15E 16 5.7W,6.0
ISC Event type se.
IDC Error ellipse: s-maj=14.3km s-min=9.4km az=79.0.
MOS Error ellipse: s-maj=6.9km s-min=4.2km az=114.2.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=3.3km az=59.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.24 $M_{\theta\theta}$2.10 $M_{\phi\phi}$-2.33 $M_{r\theta}$0.78 $M_{\theta\phi}$1.04
$M_{\phi r}$1.32 NP1:ϕ_s122.79000°,δ57.56000°,λ2.97000°. NP2:ϕ_s31.20000°,δ87.49000°
,λ147.53000°. Principal axes: T 2.8011,Plg24.0000°,Azm342.0000°; N 0.1815,Plg57.0000°
,Azm207.0000°; P -2.9826,Plg20.0000°,Azm82.0000° $M_0$2.90000×10^{17}
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 3s6 Moment tensor: Scale 10^{17}Nm;
M_{rr}-0.82 $M_{\theta\theta}$2.95 $M_{\phi\phi}$-2.13 $M_{r\theta}$1.55 $M_{\theta\phi}$1.52 $M_{\phi r}$2.23 NP1:ϕ_s214.65000°,δ82.92000°
,λ-135.37000°. NP2:ϕ_s117.72000°,δ45.80000°,λ-9.90000°. Principal axes:
T 4.2987,Plg24.0000°,Azm338.0000°; N -0.4841,Plg45.0000°,Azm222.0000°
; P -3.8146,Plg35.0000°,Azm86.0000° $M_0$4.06000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function. Moment Tensor Solution. s137,c240; s145,c317;Duration: 1s7
Moment tensor: Scale 10^{17}Nm; M_{rr}-0.66±.03 $M_{\theta\theta}$2.79±.03; $M_{\phi\phi}$-2.13±.03; $M_{r\theta}$2.01±.09;
$M_{\theta\phi}$1.55±.03; $M_{\phi r}$2.51±.10; Best double couple: NP1:ϕ_s215.00000°,δ85.00000°,λ-131.00000°.
NP2:ϕ_s119.00000°,δ41.00000°,λ-8.00000°. Principal axes: T 4.6620,Plg28.0000°
,Azm336.0000°; N -0.6510,Plg40.0000°,Azm219.0000°; P -4.0110,Plg37.0000°
,Azm90.0000° $M_0$4.33600×10^{17}
DJA V 24 09 20 38.0–1.9 3S–3.0 122E–7.0 19–19 4.2,4.2
¶615346600
DJA V 24 10 35 29.4–1.5 3S–4.0 122E–5.0 17–13 4.7b,4.0b
¶615346598
DJA V 24 11 46 06.3–1.2 3S–3.0 122E–6.0 20–10 3.8b,3.7
¶615346597
ISC V 24 13 18 55.5–.88 2.83S–.05 122.10E–.05 10 3.6b 21 2-61
IDC V 24 13 18 53.4–1.5 2.72S 122.31E 0 3.7L,3.5 **¶610685299**
DJA V 24 13 18 56.8–1.0 3S–2.0 122E–3.0 19–9 4.4b,4.2
ISC Event type ke.
ISC V 24 13 54 22.8–.86 2.81S–.05 122.07E–.07 35 3.5b 23 2-61
IDC V 24 13 54 17.5–1.2 2.72S 122.12E 0 3.8L,3.4 **¶610685303**
DJA V 24 13 54 21.3–.90 3S–2.0 122E–3.0 19–7 4.4b,4.2
ISC Event type ke.
DJA V 24 22 41 37.6–.20 2S–2.0 121E–3.0 10 4.4b,4.0
¶615346595
DJA V 25 17 05 25.9–.30 3S–3.0 120E–4.0 10 4.4b,4.1
¶615346612
ISC V 25 19 03 08.7–.88 2.86S–.05 122.22E–.07 10 18 2-61
IDC V 25 19 03 06.2–1.5 2.66S 122.16E 0 3.7L,3.3 **¶610685387**
DJA V 25 19 03 09.4–.30 3S–2.0 122E–4.0 10 3.9,3.9
ISC Event type ke.
DJA V 25 22 19 34.5–1.1 3S–3.0 122E–4.0 16–9 4.5b,3.9
¶615346607
ISC V 25 23 25 39.1–.55 2.83S–.04 122.07E–.05 10 4.1b,3.5s 55 2-97
IDC V 25 23 25 35.6–.82 2.75S 122.31E 0 4.0,4.0L **¶610685394**
NEIC V 25 23 25 40.6–2.4 2.84S–.04 122.01E–.05 10–1 4.2b,4.0L
DJA V 25 23 25 41.0–.90 3S–2.0 122E–2.0 29–9 5.3b,4.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 27 16 45 03.6–1.1 2.81S–.05 121.88E–.06 35 19 2-60
IDC V 27 16 45 01.9–1.7 3.11S 121.97E 0 3.6L,3.4 **¶610685506**
DJA V 27 16 45 01.7–1.0 3S–2.0 122E–3.0 23–9 5.2b,4.7
ISC Event type ke.
ISC V 28 20 23 43.4–.96 2.79S–.05 122.22E–.05 35 3.1s 21 2-61
IDC V 28 20 23 38.3–1.7 2.78S 122.28E 0 3.7L,3.4 **¶610685571**
DJA V 28 20 23 40.2–.20 3S–2.0 122E–2.0 10 4.8b,4.3b
ISC Event type ke.
ISC V 29 14 35 22.8–.27 1.30S–.02 120.45E–.02 13–1 6.4s,6.1b 2427 2-179
IDC V 29 14 35 19.2–.24 1.22S 120.44E 0 6.3s,5.4b **¶610655578**
BJI V 29 14 35 21.2–.00 1.34S 120.39E 20 6.8b,6.6s
NEIC V 29 14 35 21.5–1.8 1.29S–.05 120.43E–.05 12–1 6.6,6.6
NEIC V 29 14 35 21.3 1.39S 120.45E 12 6.6,6.6
NEIC V 29 14 35 21.2 1.28S 120.46E 10 6.6,6.6
NEIC V 29 14 35 21.3 1.29S 120.45E 12 6.6,6.6
MOS V 29 14 35 21.4–1.3 1.25S 120.49E 26 6.4s,6.3b
DJA V 29 14 35 23.3–.50 1S–1.0 120E–1.0 11–4 6.8b,6.7
KLM V 29 14 35 23 1.12S 120.78E 12 6.3b,6.7
GCMT V 29 14 35 27.5–.00 1.24S 120.40E 12 6.6W,6.7
NEIC V 29 14 35 31.2 1.54S 120.55E 21 6.6W,6.7
ISC Event type se.
IDC Error ellipse: s-maj=8.7km s-min=5.2km az=68.0.
NEIC Event type se. Error ellipse: s-maj=8.7km s-min=8.4km az=217.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution.Duration: 11s2 Moment tensor: Scale 10^{18}Nm;
M_{rr}-7.59 $M_{\theta\theta}$8.35 $M_{\phi\phi}$-0.76 $M_{r\theta}$4.61 $M_{\theta\phi}$-3.10 $M_{\phi r}$-2.24 NP1:ϕ_s292.69000°,δ60.73000°
,λ-83.76000°. NP2:ϕ_s100.09000°,δ29.87000°,λ-100.97000°. Principal axes:
T 10.7088,Plg16.0000°,Azm18.0000°; N -1.6402,Plg5.0000°,Azm110.0000°
; P -9.0686,Plg74.0000°,Azm218.0000° $M_0$9.89000×10^{18}
NEIC Event type se.
NEIC Event type se.
MOS Error ellipse: s-maj=6.9km s-min=4.0km az=112.6.
GCMT nsta1 refers to body waves, cutoff=50s. nsta2 refers to surface/mantle waves, cutoff=50s.
Triangular moment-rate function. Moment Tensor Solution. s169,c427; s167,c797;
Duration: 4s8 Moment tensor: Scale 10^{19}Nm; M_{rr}-0.77±.00 $M_{\theta\theta}$0.89±.00; $M_{\phi\phi}$-0.11±.00;
$M_{r\theta}$0.38±.01; $M_{\theta\phi}$-0.26±.00; $M_{\phi r}$-0.01±.01; Best double couple: NP1:ϕ_s277.00000°,δ57.00000°
,λ-98.00000°. NP2:ϕ_s111.00000°,δ34.00000°,λ-78.00000°. Principal axes:
T 1.0290,Plg12.0000°,Azm13.0000°; N -0.1710,Plg6.0000°,Azm282.0000°
; P -0.8560,Plg77.0000°,Azm163.0000° $M_0$0.94200×10^{19}
NEIC Event type se. Moment Tensor Solution.Duration: 11s5 Moment tensor: Scale 10^{19}Nm;
M_{rr}-0.85 $M_{\theta\theta}$0.89 $M_{\phi\phi}$-0.04 $M_{r\theta}$0.57 $M_{\theta\phi}$-0.29 $M_{\phi r}$0.27 NP1:ϕ_s264.63000°,δ62.51000°
,λ-112.59000°. NP2:ϕ_s126.65000°,δ35.01000°,λ-53.57000°. Principal axes:
T 1.0974,Plg15.0000°,Azm11.0000°; N 0.0346,Plg20.0000°,Azm275.0000°
; P -1.1320,Plg65.0000°,Azm135.0000° $M_0$1.11000×10^{19}
ISC V 29 14 38 55.7–.48 1.24S–.05 120.44E–.07 10 5.0b 51 2-133
IDC V 29 14 38 54.0–.87 1.26S 120.48E 0 4.7,4.7L **¶610685615**
NEIC V 29 14 38 56.1–1.6 1.27S–.04 120.45E–.08 10–1 5.3b,4.7L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 29 14 42 02.0–.43 1.28S–.05 120.44E–.07 10 4.9b 64 2-119
IDC V 29 14 42 01.0–.63 1.25S 120.66E 0 4.5,4.5b **¶610685616**
NEIC V 29 14 42 02.6–2.3 1.25S–.02 120.40E–.08 10–1 5.1b,4.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 29 14 44 39.5–.81 1.27S–.07 120.4E–.10 23 4.0b 13 2-63
NEIC V 29 14 44 36.9–2.0 1.30S–.06 120.40E–.06 10–2 4.5b **¶610685617**
IDC V 29 14 44 37.9–1.8 1.31S 120.53E 0 3.9,3.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=8.4km az=45.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=58.2km s-min=26.1km az=73.0.
IDC V 29 14 47 36.0–1.7 1.12S 120.36E 0 3.9L,3.7
¶610685619
IDC Error ellipse: s-maj=81.1km s-min=26.8km az=65.0.
IDC V 29 14 51 13.2–1.6 1.21S 120.79E 0 3.9L,3.7
¶610685620
IDC Error ellipse: s-maj=54.1km s-min=24.5km az=72.0.
ISC V 29 14 53 43.5–.39 1.32S–.04 120.50E–.05 23 4.6b 94 2-89
IDC V 29 14 53 39.8–.62 1.24S 120.70E 0 4.3,4.3b **¶610655587**
NEIC V 29 14 53 41.8–1.6 1.30S–.04 120.48E–.07 10–1 4.7b,4.3b
DJA V 29 14 53 43.1–.20 1S–2.0 120E–2.0 10 5.1,5.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 29 14 55 03.2–.35 1.22S–.04 120.45E–.04 10 4.9b 136 2-163
IDC V 29 14 55 01.4–.50 1.16S 120.58E 0 4.5,4.5b **¶610685621**
NEIC V 29 14 55 03.7–2.1 1.24S–.05 120.42E–.07 10–1 5.0b,4.5b
DJA V 29 14 55 05.0–1.0 1S–2.0 120E–2.0 10–7 5.1,5.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 29 14 56 54.3–.73 1.23S–.08 120.6E–.20 10 3.9b 12 4-62
IDC V 29 14 56 52.5–.91 1.26S 120.53E 0 3.9,3.9b **¶610685622**
ISC Event type ke.
IDC Error ellipse: s-maj=36.8km s-min=16.1km az=76.0.
ISC V 29 15 03 27.0–.44 1.25S–.05 120.44E–.04 10 4.4b 75 2-89
IDC V 29 15 03 25.1–.71 1.13S 120.62E 0 4.3L,4.1 **¶610655571**
DJA V 29 15 03 27.2–.20 1S–2.0 120E–2.0 10 7.1b,7.1
NEIC V 29 15 03 27.4–1.5 1.25S–.03 120.42E–.06 10–1 4.6b,7.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 29 15 04 31.8–.37 1.33S–.05 120.45E–.06 10 4.9b 132 2-82
IDC V 29 15 04 30.1–.55 1.24S 120.46E 0 4.6L,4.5 **¶610655572**
NEIC V 29 15 04 31.2–1.6 1.30S–.05 120.48E–.07 10–1 5.1b,4.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 29 15 18 49.5–.34 1.26S–.04 120.49E–.05 23 4.8b 194 2-152
IDC V 29 15 18 45.5–.49 1.24S 120.63E 0 4.9L,4.5 **¶610655585**
MOS V 29 15 18 45.5–.97 1.25S 120.62E 15 5.0b,4.5
NEIC V 29 15 18 46.9–.91 1.32S–.04 120.47E–.05 10–1 5.0b,4.5
BJI V 29 15 18 46.0–.00 1.30S 120.50E 5 5.2s,5.0
DJA V 29 15 18 47.9–.20 1S–2.0 120E–2.0 10 5.9b,5.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 29 15 25 22.0–.57 1.22S–.04 120.35E–.05 10 3.9b 42 2-89
IDC V 29 15 25 20.6–.82 1.19S 120.63E 0 4.1L,3.9 **¶610685624**
DJA V 29 15 25 22.4–.20 1S–2.0 120E–2.0 10 4.6b,4.5
NEIC V 29 15 25 22.6–.98 1.25S–.06 120.35E–.05 12–6 4.3b,4.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 29 15 29 59.8–.39 1.25S–.04 120.45E–.04 10 4.5b 84 2-89
IDC V 29 15 29 58.1–.60 1.14S 120.67E 0 4.9s,4.3L **¶610655688**
NEIC V 29 15 29 60.0–1.1 1.22S–.06 120.46E–.06 10–1 4.5b,4.3L
DJA V 29 15 30 00.7–.80 1S–2.0 120E–2.0 17–6 5.6b,5.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 29 15 30 56.2–1.2 1.3S–.20 120.6E–.30 10 3.7b 6 4-58
IDC V 29 15 30 54.9–1.3 1.23S 120.56E 0 4.3L,3.9 **¶610685627**
ISC Event type ke.
IDC Error ellipse: s-maj=64.5km s-min=20.4km az=60.0.
ISC V 29 15 36 37.2–1.1 1.29S–.05 120.29E–.07 23 3.2b 12 2-58
DJA V 29 15 36 36.2–1.3 1S–3.0 120E–5.0 15–10 3.6,3.6 **¶610685629**
IDC V 29 15 36 39.3–1.5 1.21S 120.59E 0 3.7L,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=57.2km s-min=22.9km az=71.0.
ISC V 29 15 47 46.0–.58 1.17S–.05 120.25E–.06 10 4.3b 33 2-89
IDC V 29 15 47 44.8–.99 1.10S 120.34E 0 4.0,4.0b **¶610685633**
NEIC V 29 15 47 46.4–1.9 1.28S–.06 120.4E–.20 10–1 4.6b,4.0b
DJA V 29 15 47 47.3–.90 1S–2.0 120E–3.0 12–7 4.9b,4.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 29 16 04 56.9–.60 1.30S–.05 120.40E–.05 23 3.9b 43 2-89
IDC V 29 16 04 53.5–.94 1.29S 120.60E 0 3.8,3.8L **¶610685634**
DJA V 29 16 04 54.9–.20 1S–2.0 120E–2.0 10 6.1b,5.7
NEIC V 29 16 04 55.3–.71 1.34S–.07 120.39E–.06 10–1 4.2b,5.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC V 29 16 10 30.2–1.6 1.19S 120.62E 0 3.5L,3.3
¶610685635
IDC Error ellipse: s-maj=55.3km s-min=23.7km az=71.0.
DJA V 29 16 26 05.4–.30 1S–4.0 120E–6.0 10 4.2,4.2
¶617182791

ISC V 29 16 26 31.9–.61 1.19S–.06 120.42E–.08 10 4.1b 29 2-89
IDC V 29 16 26 31.3–.85 1.14S 120.54E 0 3.9,3.9b ¶610685637
NEIC V 29 16 26 32.6–1.6 1.3S–.20 120.5E–.10 15–6 4.5b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 29 16 31 23.2–.92 1.27S–.05 120.42E–.06 10 3.7b 15 2-62
IDC V 29 16 31 20.5–1.0 1.20S 120.70E 0 3.7,3.7L ¶610685638
DJA V 29 16 31 23.6–.20 1S–3.0 120E–3.0 10 4.1,4.1
ISC Event type ke.
ISC V 29 16 39 22.0–1.2 1.4S–.10 120.5E–.10 10 3.5b 10 2-58
IDC V 29 16 39 19.9–1.5 1.33S 120.72E 0 3.6,3.5b ¶610685639
DJA V 29 16 39 19.6–.30 1S–3.0 120E–5.0 10 4.5b,4.2
ISC Event type ke.
IDC V 29 16 39 35.0–1.3 1.02S 120.78E 0 3.8,3.8b ¶610685642
IDC Error ellipse: s-maj=194.5km s-min=23.6km az=59.0.
IDC V 29 16 41 24.4–1.7 1.24S 120.74E 0 3.4,3.4L ¶610685643
IDC Error ellipse: s-maj=71.5km s-min=26.7km az=65.0.
IDC V 29 16 43 11.2–1.5 1.18S 120.72E 0 3.6,3.6b ¶610685644
IDC Error ellipse: s-maj=52.8km s-min=23.7km az=69.0.
ISC V 29 16 46 05.8–.60 1.25S–.04 120.52E–.05 10 3.9b 39 2-72
IDC V 29 16 46 03.8–.87 1.27S 120.63E 0 3.9L,3.8 ¶610685645
DJA V 29 16 46 06.3–.20 1S–2.0 120E–3.0 10 4.4b,4.2
NEIC V 29 16 46 06.5–1.1 1.29S–.06 120.56E–.06 10–1 4.2b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 29 16 54 15.7–1.1 1.23S–.05 120.21E–.07 10 3.2b 18 2-58
IDC V 29 16 54 14.1–1.5 1.19S 120.52E 0 3.5L,3.4 ¶610685646
DJA V 29 16 54 15.9–.30 1S–2.0 120E–3.0 10 3.7,3.7
ISC Event type ke.
ISC V 29 17 07 09.1–.94 1.27S–.05 120.51E–.07 23 3.3b 18 2-58
IDC V 29 17 07 06.3–1.5 1.24S 120.55E 0 3.7L,3.5 ¶610685647
DJA V 29 17 07 07.4–.30 1S–2.0 120E–3.0 10 5.1b,4.5
ISC Event type ke.
ISC V 29 17 24 11.2–.75 1.33S–.04 120.52E–.06 23 3.7b 24 2-79
IDC V 29 17 24 07.6–.93 1.17S 120.73E 0 3.8,3.8L ¶610685648
DJA V 29 17 24 09.5–.20 1S–2.0 121E–3.0 10 4.2b,4.1
ISC Event type ke.
ISC V 29 17 31 14.8–.49 1.19S–.04 120.39E–.04 10 4.3b 64 2-94
IDC V 29 17 31 13.3–.69 1.20S 120.68E 0 4.3L,4.0 ¶610655699
NEIC V 29 17 31 15.2–1.9 1.24S–.05 120.45E–.05 10–1 4.4b,4.0
DJA V 29 17 31 15.1–.20 1S–2.0 120E–2.0 10 5.1b,4.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 29 17 41 33.8–.91 1.09S–.05 120.23E–.08 10 3.9b 16 1-68
IDC V 29 17 41 31.4–1.1 1.02S 120.59E 0 3.9,3.9L ¶610685651
DJA V 29 17 41 34.3–.20 1S–2.0 120E–3.0 10 5.2b,4.6
ISC Event type ke.
ISC V 29 17 42 36.1–.60 1.25S–.06 120.4E–.10 23 4.1b 25 2-74
IDC V 29 17 42 32.5–.75 1.17S 120.47E 0 3.9,3.8b ¶610685652
NEIC V 29 17 42 33.9–1.6 1.4S–.10 120.3E–.10 10–2 4.3b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC V 29 17 44 57.4–1.4 1.34S 120.33E 0 3.6,3.5b ¶610685653
IDC Error ellipse: s-maj=72.8km s-min=21.0km az=60.0.
ISC V 29 17 59 03.0–1.2 1.12S–.07 120.19E–.08 10 3.5b 9 1-58
IDC V 29 17 59 00.8–1.6 1.21S 120.42E 0 3.4,3.4b ¶610685654
DJA V 29 17 59 02.8–.30 1S–3.0 120E–3.0 10 3.8,3.8
ISC Event type ke.
DJA V 29 18 05 40.6–.40 1S–3.0 120E–4.0 10 4.4b,3.9 ¶615346678
ISC V 29 18 09 09.8–1.2 1.17S–.08 120.2E–.10 10 3.3b 14 2-58
IDC V 29 18 09 07.9–1.6 1.14S 120.61E 0 3.7L,3.4 ¶610685655
DJA V 29 18 09 09.5–.30 1S–2.0 120E–3.0 10 5.6b,5.1
ISC Event type ke.
ISC V 29 18 14 01.3–.89 1.23S–.05 120.30E–.06 10 3.6b 16 2-62
IDC V 29 18 13 58.5–1.1 1.20S 120.83E 0 3.9L,3.7 ¶610685656
DJA V 29 18 14 01.7–.20 1S–2.0 120E–3.0 10 4.1b,4.0
ISC Event type ke.
ISC V 29 18 53 15.7–1.0 1.20S–.05 120.40E–.08 10 3.2b 13 2-58
IDC V 29 18 53 14.2–1.7 1.22S 120.63E 0 3.6L,3.2 ¶610685657
DJA V 29 18 53 15.6–.20 1S–2.0 120E–3.0 10 3.6,3.6
ISC Event type ke.
ISC V 29 19 25 10.0–.85 1.25S–.04 120.52E–.06 23 3.7b 21 2-58
IDC V 29 19 25 07.7–1.4 1.28S 120.73E 0 3.7,3.7b ¶610685660
DJA V 29 19 25 10.0–.90 1S–2.0 121E–3.0 14–6 4.1b,4.0
ISC Event type ke.
IDC V 29 19 48 29.0–1.7 1.38S 120.11E 0 3.4,3.4b ¶610685662
IDC Error ellipse: s-maj=385.9km s-min=26.4km az=58.0.
ISC V 29 20 14 00.9–.63 1.42S–.04 120.46E–.05 23 4.2b 43 2-63
IDC V 29 20 13 58.5–.96 1.22S 120.69E 0 3.9,3.9b ¶610685663
NEIC V 29 20 14 00.5–1.7 1.38S–.06 120.42E–.05 10–1 4.4b,3.9b
DJA V 29 20 14 01.3–.30 1S–3.0 121E–3.0 10 4.5b,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 29 20 20 37.4–.91 1.18S–.04 120.29E–.05 10 3.6b 18 2-62
IDC V 29 20 20 34.6–1.1 1.13S 120.69E 0 3.7,3.7L ¶610685664
DJA V 29 20 20 38.5–1.0 1S–2.0 120E–2.0 16–8 4.2b,4.0
ISC Event type ke.
ISC V 29 20 34 18.0–.00 1.21S–.04 120.38E–.06 10 3.6b 18 2-58
IDC V 29 20 34 16.2–1.5 1.21S 120.62E 0 3.7,3.6b ¶610685665
DJA V 29 20 34 19.7–1.0 1S–2.0 120E–2.0 17–8 4.9b,4.1
ISC Event type ke.
ISC V 29 20 39 11.4–.63 1.26S–.04 120.37E–.05 23 3.9b 39 2-63
IDC V 29 20 39 08.2–.82 1.14S 120.58E 0 3.9,3.8b ¶610685666
NEIC V 29 20 39 08.9–1.9 1.34S–.06 120.37E–.03 10–2 4.3b,3.8b
DJA V 29 20 39 10.9–.90 1S–2.0 120E–2.0 11–6 4.6b,4.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DJA V 29 21 11 32.8–.90 1S–2.0 120E–3.0 26–8 4.3b,4.1 ¶615346668
ISC V 29 21 21 27.6–.70 1.25S–.05 120.44E–.06 23 4.0b,3.8s 27 2-100
IDC V 29 21 21 24.0–.75 1.20S 120.54E 0 4.0L,3.9 ¶610685668
DJA V 29 21 21 27.9–.90 1S–2.0 120E–2.0 21–7 5.0b,4.4
ISC Event type ke.
DJA V 29 21 38 17.6–.20 1S–2.0 120E–3.0 10 3.7,3.7 ¶615346665
ISC V 29 21 50 10.4–1.0 1.24S–.05 120.28E–.06 10 3.5b 14 2-58
IDC V 29 21 50 08.8–1.5 1.23S 120.34E 0 3.8L,3.6 ¶610685669
DJA V 29 21 50 10.4–.20 1S–2.0 120E–3.0 10 3.9,3.9
ISC Event type ke.
ISC V 30 00 49 03.9–1.2 1.18S–.05 120.29E–.08 10 3.6b,3.1s 14 2-89
DJA V 30 00 49 05.0–.30 1S–3.0 120E–4.0 10 4.2,4.2 ¶610685677
IDC V 30 00 49 06.8–10 1.52S 120.89E 0 4.0L,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=168.0km s-min=46.3km az=141.0.
ISC V 30 00 50 30.2–.68 1.34S–.04 120.29E–.05 10 4.1b 33 2-63
IDC V 30 00 50 28.7–1.2 0.97S 120.79E 0 4.1L,3.8 ¶610685678
NEIC V 30 00 50 31.5–2.6 1.39S–.07 120.30E–.03 10–2 4.3b,3.8
DJA V 30 00 50 34.9–1.1 1S–2.0 120E–3.0 25–9 4.2,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DJA V 30 02 20 05.8–.30 1S–3.0 120E–4.0 10 4.1b,3.7 ¶615346763
DJA V 30 02 24 10.5–1.8 1S–3.0 120E–4.0 12–15 3.5,3.5 ¶615346759
ISC V 30 03 41 00.2–.50 1.16S–.04 120.51E–.05 10 4.2b,3.5s 48 2-146
IDC V 30 03 40 59.8–.73 1.16S 120.65E 0 4.2L,3.9 ¶610685687
NEIC V 30 03 41 00.5–1.7 1.19S–.02 120.57E–.06 10–1 4.5b,3.9
DJA V 30 03 41 02.5–.90 1S–2.0 120E–3.0 14–7 4.9b,4.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DJA V 30 03 48 19.7–.20 1S–2.0 120E–3.0 10 5.7b,5.2 ¶615346751
DJA V 30 04 48 03.0–.30 1S–3.0 120E–3.0 10 5.6b,5.2 ¶615346745
DJA V 30 05 29 34.1–.30 1S–3.0 120E–3.0 10 5.2,4.8 ¶615346741
ISC V 30 07 35 02.8–.88 1.19S–.04 120.47E–.06 10 3.9b 17 2-63
IDC V 30 07 35 00.7–1.0 1.20S 120.68E 0 4.0L,3.8 ¶610685701
DJA V 30 07 35 04.1–1.1 1S–2.0 120E–3.0 15–8 4.0,4.0
ISC Event type ke.
ISC V 30 07 38 33.1–1.0 1.22S–.04 120.45E–.06 10 3.7b 18 2-62
IDC V 30 07 38 30.9–1.3 1.16S 120.63E 0 3.9L,3.7 ¶610685703
DJA V 30 07 38 33.7–.20 1S–2.0 120E–2.0 10 4.0,4.0
ISC Event type ke.
ISC V 30 07 49 45.4–.65 1.10S–.05 120.17E–.07 10 4.1b,3.5s 32 1-161
IDC V 30 07 49 43.4–.69 1.04S 120.32E 0 4.0,4.0L ¶610685704
NEIC V 30 07 49 45.2–1.9 1.15S–.06 120.26E–.10 10–1 4.3b,4.0L
DJA V 30 07 49 45.5–.30 1S–2.0 120E–4.0 10 4.8b,4.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 30 09 15 11.5–.34 1.39S–.03 120.47E–.04 23 4.9b,3.7s 184 2-160
NEIC V 30 09 15 10.0–1.6 1.38S–.05 120.51E–.05 10–1 4.9b,3.7s ¶610655782
DJA V 30 09 15 10.3–.20 1S–2.0 120E–2.0 10 5.2b,4.9b
BJI V 30 09 15 12.0–.00 1.40S 120.50E 30 4.9b,4.8b
IDC V 30 09 15 13.7–2.4 1.37S 120.55E 46–25 4.5,4.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=8.9km az=265.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=22.3km s-min=11.4km az=68.0.
ISC V 30 09 38 38.2–1.4 1.1S–.10 120.7E–.30 10 3.8b 6 4-62
IDC V 30 09 38 36.7–1.1 1.08S 120.64E 0 3.8L,3.7 ¶610685711
ISC Event type ke.
IDC Error ellipse: s-maj=52.6km s-min=19.7km az=70.0.
ISC V 30 10 06 08.5–1.0 1.23S–.04 120.13E–.07 10 3.2b 15 2-58
IDC V 30 10 06 07.7–1.7 1.26S 120.64E 0 3.6L,3.4 ¶610685715
DJA V 30 10 06 09.3–1.0 1S–2.0 120E–3.0 12–6 3.8,3.8
ISC Event type ke.
ISC V 30 13 02 00.1–.33 1.29S–.04 120.53E–.05 23 4.8b 173 2-152
IDC V 30 13 01 56.2–.50 1.21S 120.68E 0 4.8L,4.4 ¶610656111
BJI V 30 13 01 57.0–.00 1.20S 120.60E 5 4.9b,4.7b
NEIC V 30 13 01 57.9–1.4 1.27S–.02 120.52E–.05 10–1 4.9b,4.7b
DJA V 30 13 02 00.1–.80 1S–2.0 120E–2.0 12–6 5.3b,4.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 30 16 26 05.4–.80 1.12S–.05 120.10E–.06 10 3.6b 16 1-65
IDC V 30 16 26 01.6–1.0 1.08S 120.55E 0 3.7,3.7b ¶610685730
DJA V 30 16 26 03.9–.70 1S–2.0 120E–3.0 12–5 3.9,3.9
ISC Event type ke.
ISC V 30 17 14 48.3–.47 1.22S–.04 120.60E–.05 10 4.0b 51 2-72
IDC V 30 17 14 48.5–.78 1.27S 120.42E 0 4.1L,3.9 ¶610685732
NEIC V 30 17 14 48.1–2.8 1.24S–.06 120.57E–.05 10–1 4.3b,3.9
DJA V 30 17 14 50.7–1.7 1S–3.0 120E–5.0 11–14 4.2,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 30 20 26 41.4–.54 1.13S–.04 120.68E–.05 10 4.2b,3.7s 52 2-87
IDC V 30 20 26 39.9–.75 1.22S 120.83E 0 3.9,3.9b ¶610685741
NEIC V 30 20 26 40.9–2.0 1.12S–.05 120.87E–.06 10–1 4.2b,3.9b
DJA V 30 20 26 41.2–.90 1S–2.0 121E–2.0 10–7 5.5b,5.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 30 20 37 08.6–1.1 1.25S–.05 120.32E–.08 10 3.2b 14 2-58
IDC V 30 20 37 05.5–1.6 1.17S 120.72E 0 3.8s,3.6L ¶610685742
DJA V 30 20 37 10.0–.90 1S–2.0 120E–3.0 11–6 3.9,3.9
ISC Event type ke.
ISC V 30 21 08 21.7–.77 1.11S–.05 120.59E–.06 10 3.5b 19 2-58
IDC V 30 21 08 20.0–1.0 1.22S 121.05E 0 3.7L,3.5 ¶610685748
DJA V 30 21 08 21.5–.80 1S–3.0 121E–4.0 11–7 4.0,4.0
ISC Event type ke.
ISC V 30 22 02 34.9–.54 1.28S–.04 120.45E–.05 23 4.3s,3.9b 41 2-87
IDC V 30 22 02 31.8–.87 1.29S 120.73E 0 4.3s,4.1L ¶610685750
NEIC V 30 22 02 33.4–2.4 1.27S–.06 120.51E–.06 10–1 4.2b,4.1L
DJA V 30 22 02 35.7–.90 1S–2.0 120E–3.0 20–9 4.3,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 31 02 59 22.2–.53 1.15S–.05 120.66E–.04 10 4.2b,3.4s 50 2-94
IDC V 31 02 59 21.1–.75 1.16S 120.70E 0 3.9,3.9L ¶610685760
NEIC V 31 02 59 22.3–2.0 1.19S–.04 120.66E–.07 10–1 4.4b,3.9L
DJA V 31 02 59 23.0–.20 1S–2.0 121E–3.0 10 4.8b,4.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 31 04 42 04.3–.35 1.20S–.04 120.62E–.05 10 4.6b,4.0s 114 2-161
IDC V 31 04 42 02.9–.47 1.22S 120.62E 0 4.8L,4.3 ¶610656217
NEIC V 31 04 42 03.7–1.1 1.19S–.03 120.63E–.06 10–1 4.8b,4.3
GCMT V 31 04 42 04.7–.20 1.01S–.01 120.69E–.02 18–1 4.9W,4.3
DJA V 31 04 42 05.6–.20 1S–2.0 121E–2.0 10 5.7,5.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s30,c35; s94,c145;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.84±.13 $M_{\theta\theta}$3.14±.11; $M_{\phi\phi}$-2.29±.10; $M_{r\theta}$1.56±.23; $M_{\theta\phi}$0.67±.07; $M_{\phi r}$0.53±.25; Best double couple: NP1:ϕ_s39.00000°,δ88.00000°,λ154.00000°. NP2:ϕ_s130.00000°,δ65.00000°,λ2.00000°. Principal axes: T 3.7840,Plg19.0000° ,Azm352.0000°; N -1.3100,Plg64.0000°,Azm215.0000°; P -2.4690,Plg16.0000° ,Azm88.0000° $M_0$3.12700×10^{16}
ISC V 31 09 35 25.3–.94 1.26S–.04 120.43E–.07 23 3.3b 17 2-58
IDC V 31 09 35 22.5–1.6 1.28S 120.50E 0 4.0L,3.5 ¶610685786
DJA V 31 09 35 25.0–.70 1S–2.0 120E–3.0 11–5 3.9,3.9
ISC Event type ke.
ISC V 31 12 07 32.3–.70 1.27S–.04 120.47E–.07 10 3.9b,3.2s 21 2-62
IDC V 31 12 07 30.5–.83 1.17S 120.79E 0 4.4L,3.9 ¶610685790
DJA V 31 12 07 33.6–.20 1S–2.0 120E–3.0 10 4.3,4.3
ISC Event type ke.
DJA V 31 12 13 38.3–.70 1S–3.0 120E–3.0 12–5 3.6,3.6 ¶615347298
ISC V 31 12 42 42.2–.97 1.27S–.05 120.33E–.09 10 3.5b 13 2-58
IDC V 31 12 42 40.1–1.3 1.24S 120.61E 0 3.7,3.7L ¶610685793
DJA V 31 12 42 42.7–.30 1S–3.0 120E–5.0 10 4.0,4.0
ISC Event type ke.
ISC V 31 12 45 37.8–.78 1.17S–.06 120.52E–.07 10 4.0b 24 2-63
IDC V 31 12 45 36.7–1.1 1.14S 120.59E 0 4.0L,3.8 ¶610685794

NEIC V 31 12 45 37–1.0 1.11S–.05 120.61E–.06 10–1 4.2b,3.8
DJA V 31 12 45 39.2–.30 1S–4.0 120E–5.0 10 4.1,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 31 17 27 34.7–1.1 1.24S–.06 120.40E–.08 10 3.3b 16 2-58
IDC V 31 17 27 33.6–1.6 1.27S 120.63E 0 3.4,3.4b **¶610685808**
DJA V 31 17 27 35.3–.30 1S–3.0 120E–4.0 10 4.9b,4.3b
ISC Event type ke.
ISC V 31 19 31 55.4–1.1 1.15S–.05 120.25E–.09 10 3.5b 14 2-63
IDC V 31 19 31 53.1–1.2 1.17S 120.85E 0 3.5,3.4b **¶610685811**
DJA V 31 19 31 55.9–.30 1S–3.0 120E–5.0 10 3.8,3.8
ISC Event type ke.
ISC V 31 21 11 35.9–.97 1.22S–.05 120.37E–.06 10 3.5b 14 2-58
IDC V 31 21 11 33.0–1.4 1.17S 120.89E 0 3.9L,3.6 **¶610685820**
DJA V 31 21 11 36.4–.30 1S–3.0 120E–4.0 10 3.9,3.9
ISC Event type ke.
ISC V 31 23 38 23.2–1.5 1.19S–.08 120.3E–.10 35 6 2-26
DJA V 31 23 38 21.8–.30 1S–4.0 120E–5.0 10 3.5,3.5 **¶610685825**
IDC V 31 23 38 52.1–2.0 3.22S 125.14E 0 3.6L,3.1
ISC Event type ke.
IDC Error ellipse: s-maj=210.4km s-min=29.6km az=63.0.
ISC VI 01 00 49 11.8–.82 1.24S–.06 120.19E–.08 10 4.0b 27 2-89
IDC VI 01 00 49 10.6–.98 1.15S 120.69E 0 3.9L,3.8 **¶610791024**
DJA VI 01 00 49 12.6–.30 1S–3.0 120E–4.0 10 6.1b,5.7
NEIC VI 01 00 49 12.1–.79 1.32S–.06 120.65E–.07 10–1 4.2b,5.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 01 03 16 42.1–.80 2.82S–.05 122.09E–.06 10 3.9b 21 2-95
IDC VI 01 03 16 40.3–1.1 2.80S 122.12E 0 3.8,3.8b **¶610791031**
DJA VI 01 03 16 42.7–1.2 3S–2.0 122E–3.0 11–10 5.3b,4.7b
ISC Event type ke.
ISC VI 01 04 54 21.7–.98 1.26S–.05 120.38E–.07 23 3.4b 13 2-65
IDC VI 01 04 54 18.6–1.7 1.29S 120.45E 0 3.5,3.5b **¶610791038**
DJA VI 01 04 54 19.6–.90 1S–4.0 120E–4.0 11–8 3.6,3.6
ISC Event type ke.
ISC VI 01 09 37 03.8–.95 1.30S–.05 120.42E–.08 23 3.6b 13 2-58
IDC VI 01 09 37 00.4–1.5 1.23S 120.82E 0 3.7,3.7L **¶610791051**
DJA VI 01 09 37 03.2–1.8 1S–3.0 120E–5.0 12–14 3.8,3.8
ISC Event type ke.
ISC VI 01 15 34 50.5–.87 1.21S–.06 120.26E–.09 10 3.6b 12 2-58
IDC VI 01 15 34 49.0–1.1 1.26S 120.26E 0 3.7,3.7b **¶610791059**
DJA VI 01 15 34 51.8–1.0 1S–3.0 120E–5.0 16–11 3.9,3.9
ISC Event type ke.
ISC VI 02 05 59 18.4–.49 1.30S–.04 120.45E–.04 18–2 4.9b,3.9s 286 2-161
IDC VI 02 05 59 14.9–.46 1.24S 120.34E 0 4.5,4.5b **¶610659602**
GCMT VI 02 05 59 16.5–.20 1.25S–.01 120.48E–.03 18–1 4.9W,4.5b
NEIC VI 02 05 59 17.5–2.3 1.23S–.05 120.50E–.03 10–1 5.0b,4.5b
MOS VI 02 05 59 18.9–.91 1.22S 120.48E 38 5.0b,4.5b
DJA VI 02 05 59 20.2–.20 1S–2.0 120E–1.0 29–2 5.6b,5.2
ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s32,c36; s94,c129;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.51±.16 $M_{\theta\theta}$2.99±.10; $M_{\phi\phi}$-1.48±.14; $M_{r\theta}$0.40±.21; $M_{\theta\phi}$-0.88±.07; $M_{\phi r}$0.35±.34; Best double couple: NP1:ϕ_s245.00000°,δ66.00000°,λ-146.00000°. NP2:ϕ_s139.00000°,δ59.00000°,λ-29.00000°. Principal axes: T 3.1800,Plg4.0000° ,Azm10.0000°; N -1.1650,Plg49.0000°,Azm276.0000°; P -2.0150,Plg41.0000° ,Azm104.0000° $M_0$2.59800×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 02 14 23 19.4–.94 1.25S–.05 120.38E–.06 10 3.6b 19 2-62
IDC VI 02 14 23 17.6–1.2 1.14S 120.71E 0 3.7L,3.6 **¶610791101**
DJA VI 02 14 23 19.8–.30 1S–3.0 120E–3.0 10 4.0b,4.0
ISC Event type ke.
ISC VI 02 16 23 53.9–.42 1.28S–.04 120.54E–.05 23 4.5b,3.2s 82 2-89
IDC VI 02 16 23 50.2–.74 1.24S 120.70E 0 4.5L,4.1 **¶610659592**
DJA VI 02 16 23 53.1–.20 1S–2.0 121E–3.0 10 4.9b,4.6
NEIC VI 02 16 23 53.9–2.1 1.23S–.05 120.53E–.05 20–5 4.5b,4.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 02 20 41 03.0–.98 1.28S–.04 120.29E–.07 35 3.5b 16 2-63
IDC VI 02 20 40 57.7–1.3 1.30S 120.55E 0 3.9L,3.8 **¶610791121**
DJA VI 02 20 41 00.9–.30 1S–2.0 120E–3.0 10 3.8,3.8
ISC Event type ke.
ISC VI 03 05 05 27.5–1.0 1.22S–.05 120.43E–.07 49 3.6b 14 2-63
IDC VI 03 05 05 22.1–1.2 1.27S 120.66E 0 3.6,3.6b **¶610791146**
DJA VI 03 05 05 23.3–.30 1S–3.0 120E–3.0 10 4.2b,3.9
ISC Event type ke.
ISC VI 03 05 29 57.3–.86 1.25S–.05 120.44E–.06 49 3.7b 19 2-58
IDC VI 03 05 29 51.1–1.2 1.24S 120.34E 0 3.7,3.7L **¶610791151**
DJA VI 03 05 29 54.1–.30 1S–2.0 120E–3.0 10 5.3b,4.8
ISC Event type ke.
ISC VI 03 07 39 43.3–.72 1.29S–.05 120.65E–.05 23 3.8b,3.5s 21 2-63
IDC VI 03 07 39 40.1–.89 1.18S 120.70E 0 3.9L,3.8 **¶610791161**
DJA VI 03 07 39 43.5–.20 1S–3.0 121E–3.0 10 4.2b,4.2
ISC Event type ke.
DJA VI 03 08 34 16.5–.40 1S–4.0 121E–4.0 10 4.2b,3.9
¶615347414
ISC VI 03 19 40 23.5–1.0 1.13S–.05 119.99E–.08 28 3.4b 15 1-58
IDC VI 03 19 40 19.0–1.5 0.95S 120.68E 0 3.5L,3.4 **¶610791186**
DJA VI 03 19 40 22.2–.30 1S–3.0 120E–4.0 10 3.9,3.9
ISC Event type ke.
ISC VI 03 21 25 24.1–1.0 1.23S–.05 120.41E–.06 49 3.2b 17 2-58
IDC VI 03 21 25 17.4–1.8 0.99S 120.93E 0 4.0L,3.5 **¶610791190**
DJA VI 03 21 25 22.7–1.1 1S–3.0 120E–3.0 22–10 5.2b,4.5
ISC Event type ke.
ISC VI 04 15 44 15.1–.72 1.39S–.06 120.64E–.09 10 3.6b 20 2-92
DJA VI 04 15 44 13.2–.30 1S–3.0 120E–4.0 10 4.3b,4.2 **¶610791241**
IDC VI 04 15 44 13.6–.86 1.39S 120.70E 0 4.0L,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=41.1km s-min=15.4km az=71.0.
DJA VI 04 22 24 11.2–.20 1S–2.0 120E–3.0 10 4.2b,4.1
¶615347427
DJA VI 05 11 07 01.2–1.0 1S–3.0 120E–3.0 12–7 4.1b,3.8
¶615347460
ISC VI 05 13 59 29.0–.71 1.32S–.05 120.28E–.06 10 4.1b 37 2-89
IDC VI 05 13 59 28.3–1.3 1.19S 120.62E 0 4.0,3.9b **¶610791284**
NEIC VI 05 13 59 30.3–1.4 1.26S–.06 120.39E–.05 10–1 4.2b,3.9b
DJA VI 05 13 59 30.8–.30 1S–3.0 120E–3.0 10 4.3,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 06 15 14 59.3–.46 1.23S–.04 120.62E–.05 10 4.4b,3.3s 64 2-89
IDC VI 06 15 14 57.4–.81 1.17S 120.81E 0 4.4,4.1L **¶610664222**
DJA VI 06 15 14 59.8–.80 1S–2.0 120E–2.0 15–6 5.0b,4.4
NEIC VI 06 15 14 59.6–1.6 1.28S–.06 120.54E–.06 10–1 4.5b,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DJA VI 06 17 03 40.3–.20 1S–2.0 120E–3.0 10 5.1b,4.4
¶615347479
DJA VI 06 19 33 46.0–.30 1S–2.0 120E–3.0 10 3.9b,3.7
¶615347475
ISC VI 07 02 01 25.7–.88 1.26S–.04 120.42E–.06 23 3.7b 20 2-62
IDC VI 07 02 01 21.9–1.1 1.06S 120.84E 0 4.0L,3.8 **¶610791367**
DJA VI 07 02 01 26.0–.90 1S–2.0 120E–3.0 15–6 4.0,3.9
ISC Event type ke.
ISC VI 07 03 45 04.3–.85 2.19S–.04 120.96E–.06 35 3.6b 21 2-152
IDC VI 07 03 44 59.3–1.2 2.16S 121.06E 0 3.6,3.6L **¶610791373**
DJA VI 07 03 45 02.8–.80 2S–2.0 121E–3.0 23–7 4.0,4.0
ISC Event type ke.
ISC VI 07 07 38 43.5–.39 1.34S–.04 120.39E–.05 23 4.6b,4.3s 94 2-130
IDC VI 07 07 38 39.5–.57 1.37S 120.43E 0 4.4,4.4b **¶610666236**
NEIC VI 07 07 38 42.0–2.6 1.32S–.06 120.41E–.07 10–1 4.7b,4.4b
DJA VI 07 07 38 41.7–.70 1S–2.0 120E–2.0 10–5 5.5b,5.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 07 20 52 17.6–.94 1.20S–.05 120.41E–.06 10 3.6b 22 2-58
IDC VI 07 20 52 15.9–1.6 1.15S 120.71E 0 3.8L,3.7 **¶610791419**
DJA VI 07 20 52 18.5–.20 1S–2.0 120E–2.0 10 4.7b,4.2b
ISC Event type ke.
ISC VI 08 07 21 31.2–.98 1.41S–.06 120.50E–.08 23 4.0b,3.5s 19 2-64
IDC VI 08 07 21 27.4–1.1 1.40S 120.78E 0 4.0,4.0b **¶610791448**
DJA VI 08 07 21 28.4–.20 1S–2.0 120E–3.0 10 4.7b,4.3
ISC Event type ke.
ISC VI 09 15 34 40.1–.34 1.33S–.04 120.63E–.05 23 4.8b,3.6s 222 2-95
IDC VI 09 15 34 36.0–.49 1.26S 120.64E 0 4.5,4.5b **¶610669004**
NEIC VI 09 15 34 37.5–2.4 1.34S–.06 120.62E–.06 10–1 4.9b,4.5b
DJA VI 09 15 34 38.8–.20 1S–2.0 121E–2.0 10 5.2b,5.0
BJI VI 09 15 34 41.0–.00 1.30S 120.70E 46 5.0b,4.8b
ISC Event type se.
IDC Error ellipse: s-maj=23.1km s-min=10.6km az=75.0.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=9.2km az=138.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DJA VI 09 15 41 39.2–.30 1S–3.0 120E–3.0 10 5.4b,4.8
¶615347527
ISC VI 09 15 50 12.5–1.0 1.28S–.05 120.31E–.07 23 3.4b 12 2-58
IDC VI 09 15 50 09.5–1.6 1.31S 120.25E 0 3.4,3.3b **¶610791545**
DJA VI 09 15 50 11.0–.40 1S–3.0 120E–5.0 10 3.4,3.4
ISC Event type ke.
ISC VI 10 09 32 50.2–1.1 1.25S–.05 120.41E–.08 10 3.4b 13 2-58
IDC VI 10 09 32 48.5–1.6 1.22S 120.49E 0 3.6L,3.5 **¶610791588**
DJA VI 10 09 32 51.2–.30 1S–2.0 120E–3.0 10 3.9,3.9
ISC Event type ke.
ISC VI 11 19 54 27.4–.54 1.22S–.05 120.66E–.05 10 4.1b 39 2-88
IDC VI 11 19 54 26.2–.70 1.17S 120.76E 0 3.9,3.9L **¶610791669**
NEIC VI 11 19 54 28.8–2.7 1.32S–.07 120.52E–.03 10–2 4.3b,3.9L
DJA VI 11 19 54 30.2–.20 1S–2.0 121E–3.0 10 4.5b,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 11 22 16 44.1–.93 1.20S–.05 120.60E–.08 10 3.3b 14 2-58
IDC VI 11 22 16 43.4–1.6 1.11S 120.71E 0 3.6L,3.5 **¶610791681**
DJA VI 11 22 16 45.8–.20 1S–2.0 120E–4.0 10 3.7,3.7
ISC Event type ke.
ISC VI 12 03 51 21.8–1.0 1.15S–.05 120.16E–.07 28 3.6b 14 1-58
IDC VI 12 03 51 18.0–1.5 1.17S 120.28E 0 3.8L,3.7 **¶610791694**
DJA VI 12 03 51 20.2–.30 1S–2.0 120E–3.0 10 4.6b,4.3
ISC Event type ke.
DJA VI 13 19 36 54.3–.30 1S–3.0 120E–4.0 10 3.7,3.7
¶617448619
ISC VI 13 23 20 39.6–.85 1.19S–.05 120.26E–.06 49 3.7b 18 2-63
IDC VI 13 23 20 33.1–.94 1.15S 120.69E 0 3.7,3.7L **¶610791805**
DJA VI 13 23 20 36.2–.30 1S–2.0 120E–3.0 10 4.5b,4.3
ISC Event type ke.
ISC VI 14 04 32 53.0–.72 1.09S–.04 120.64E–.05 10 3.9b 18 2-58
IDC VI 14 04 32 51.6–1.1 1.21S 120.76E 0 3.8,3.8b **¶610791827**
DJA VI 14 04 32 53.0–.30 1S–2.0 121E–3.0 10 4.0,4.0
ISC Event type ke.
ISC VI 15 16 09 07.8–.84 1.24S–.05 120.56E–.07 10 3.5b 13 2-58
IDC VI 15 16 09 06.7–1.7 0.25S 122.46E 0 3.5,3.5b **¶610791949**
DJA VI 15 16 09 10.9–1.2 1S–3.0 120E–4.0 11–8 3.8,3.8
ISC Event type ke.
ISC VI 16 23 39 00.2–.58 1.02S–.05 120.19E–.06 28 4.0b 36 1-62
IDC VI 16 23 38 55.6–.80 1.04S 120.12E 0 3.9,3.9b **¶610792034**
DJA VI 16 23 38 56.9–.40 1S–4.0 120E–5.0 10 4.7b,4.5
NEIC VI 16 23 38 58.5–.75 1.10S–.06 120.11E–.06 10–2 4.2b,4.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 17 14 23 47.3–.30 2.60S–.03 121.74E–.04 10 4.7b,4.5s 242 2-159
IDC VI 17 14 23 44.9–.47 2.54S 121.74E 0 4.7L,4.5s **¶610680841**
NEIC VI 17 14 23 47.2–2.4 2.56S–.04 121.74E–.05 10–1 4.8b,4.5s
GCMT VI 17 14 23 48.2–.10 2.62S–.01 121.81E–.01 16–0 5.3W,4.5s
DJA VI 17 14 23 48.8–.80 3S–2.0 122E–2.0 10–6 5.6b,5.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s77,c107; s125,c227;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.09±.02 $M_{\theta\theta}$0.74±.01; $M_{\phi\phi}$-0.65±.01; $M_{r\theta}$0.53±.06; $M_{\theta\phi}$0.19±.01; $M_{\phi r}$0.48±.05; Best double couple: NP1:ϕ_s221.00000°,δ88.00000°,λ-135.00000°. NP2:ϕ_s129.00000°,δ45.00000°,λ-3.00000°. Principal axes: T 1.0820,Plg28.0000° ,Azm345.0000°; N -0.1510,Plg45.0000°,Azm223.0000°; P -0.9310,Plg32.0000° ,Azm95.0000° $M_0$1.00700×10^{17}
DJA VI 17 14 36 42.5–.80 3S–3.0 122E–4.0 14–7 4.2,4.2
¶615348243
ISC VI 17 14 37 38.1–.90 2.64S–.06 121.83E–.09 10 3.5b 15 2-60
IDC VI 17 14 37 36.3–1.2 2.62S 121.83E 0 3.6,3.5b **¶610792063**
DJA VI 17 14 37 38.5–.30 3S–2.0 122E–4.0 10 5.3b,4.8b
ISC Event type ke.
DJA VI 17 15 40 05.8–.20 3S–2.0 122E–3.0 10 5.1b,4.8b
¶615348240
ISC VI 17 16 04 41.6–.94 2.63S–.05 121.71E–.07 22 3.2b 18 2-60
IDC VI 17 16 04 36.9–1.7 2.49S 121.71E 0 3.6L,3.3 **¶610792067**
DJA VI 17 16 04 40.6–.80 3S–3.0 122E–4.0 10–6 4.4b,4.1
ISC Event type ke.
ISC VI 17 16 57 13.0–.81 2.59S–.05 121.69E–.06 22 3.4b 22 2-63
IDC VI 17 16 57 09.1–1.2 2.61S 121.77E 0 3.6,3.6L **¶610792071**
DJA VI 17 16 57 13.1–.40 3S–2.0 122E–2.0 18–3 5.3b,4.8
ISC Event type ke.
DJA VI 18 18 01 22.1–.90 3S–2.0 122E–2.0 15–8 5.6b,5.1
¶615348270
DJA VI 18 18 16 10.3–.20 1S–3.0 120E–3.0 10 5.8b,5.4
¶615348268
DJA VI 18 19 05 30.1–.20 1S–3.0 120E–3.0 10 5.0b,4.3
¶615348265
DJA VI 18 19 38 18.7–.20 4S–2.0 120E–3.0 10 5.0,4.6
¶615348263
DJA VI 18 20 41 29.9–.40 1S–3.0 120E–3.0 120–9 5.3b,4.7
¶615348259
DJA VI 18 21 13 29.3–.20 3S–2.0 122E–3.0 10 4.2b,3.9
¶615348257
DJA VI 19 17 51 45.0–1.3 1S–3.0 120E–4.0 13–10 3.5,3.5
¶615350361
DJA VI 22 11 09 08.4–1.1 3S–2.0 122E–3.0 30–11 4.2b,3.8
¶615350396
ISC VI 22 15 49 08.2–1.1 1.13S–.06 120.5E–.10 10 3.3b 12 2-36
IDC VI 22 15 49 09.6–10 1.37S 120.76E 0 3.5,3.5b **¶610789282**
DJA VI 22 15 49 09.5–.30 1S–4.0 120E–4.0 10 3.7,3.6
ISC Event type ke.
ISC VI 23 04 10 08.8–1.0 1.16S–.06 120.32E–.06 35 3.1b 12 2-58
IDC VI 23 04 10 03.1–1.7 0.38S 122.06E 0 3.3,3.3b **¶610789311**
DJA VI 23 04 10 06.3–1.1 1S–3.0 120E–3.0 11–8 3.8,3.8
ISC Event type ke.
DJA VI 24 20 28 55.4–.30 1S–3.0 120E–4.0 10 3.5,3.5
¶615350412
ISC VI 25 06 30 24.7–.37 1.31S–.04 120.62E–.04 10 4.7b,3.4s 123 2-90

IDC VI 25 06 30 22.8–.59 1.22S 120.72E 0 4.3,4.3b ¶610694618
NEIC VI 25 06 30 25.1–1.0 1.32S–.05 120.60E–.02 10–1 4.7b,4.3b
DJA VI 25 06 30 26.9–.20 1S–2.0 120E–2.0 10 7.5,7.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 26 04 24 50.9–1.1 1.19S–.06 120.31E–.08 35 3.3b 11 2-58
IDC VI 26 04 24 46.6–1.6 1.22S 120.29E 0 3.6L,3.5 ¶610789480
DJA VI 26 04 24 48.5–.30 1S–3.0 120E–3.0 10 4.7b,4.1
ISC Event type ke.
DJA VI 26 10 08 56.2–.30 1S–2.0 120E–3.0 10 3.5,3.5
¶615350442
ISC VI 26 16 27 14.9–.98 1.23S–.05 120.38E–.07 49 3.0b 16 2-58
IDC VI 26 16 27 08.5–1.5 1.03S 120.53E 0 3.3L,3.2 ¶610789517
DJA VI 26 16 27 12.3–.30 1S–3.0 120E–4.0 10 3.6,3.6
ISC Event type ke.
ISC VI 27 20 59 11.3–.82 1.29S–.06 120.62E–.06 23 3.8s,3.7b 20 2-94
IDC VI 27 20 59 08.3–1.3 1.23S 120.87E 0 3.8L,3.7 ¶610789596
DJA VI 27 20 59 10.1–.20 1S–2.0 121E–2.0 10 4.9b,4.2
ISC Event type ke.

(269) Southern Molucca Sea.

DJA I 03 10 46 07.6–.30 1S–3.0 127E–3.0 72–13 3.9b,3.7
¶615345168
ISC I 06 13 00 47.9–.67 1.11S–.06 126.87E–.07 34 4.1b 41 1-89
IDC I 06 13 00 43.2–1.1 1.20S 126.77E 0 4.1L,4.0 ¶610236832
DJA I 06 13 00 47.2–.20 1S–3.0 127E–2.0 10 5.2b,4.7b
NEIC I 06 13 00 49.0–.88 1.11S–.07 126.91E–.08 42–9 4.2b,4.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC I 08 17 47 18.1–1.2 0.12S 124.72E 0 3.4,3.3b
¶610236975
IDC Error ellipse: s-maj=55.2km s-min=23.3km az=58.0.
IDC I 09 16 25 36.3–1.9 0.92S 124.35E 0 3.0,2.9b
¶610237035
IDC Error ellipse: s-maj=179.7km s-min=28.7km az=63.0.
ISC I 13 16 39 25.7–.23 0.10S–.02 124.99E–.03 50–1 5.6b,4.8s 1556 2-174
BJI I 13 16 39 22.6–.00 0.16S 125.10E 45 5.4b,5.4b ¶611831560
MOS I 13 16 39 22.9–1.2 0.03S 124.98E 40 5.9b,4.8s
KLM I 13 16 39 23 0.32S 125.23E 10 5.7b,4.8s
IDC I 13 16 39 23.2–2.1 0.10S 124.90E 30–14 5.4,5.2b
NEIC I 13 16 39 25.2–2.3 0.03N–.06 125.08E–.05 42–1 5.7,5.7b
DJA I 13 16 39 26.6–.10 0S–1.0 125E–1.0 61–2 5.9b,5.8
NEIC I 13 16 39 27 0.07S 125.17E 46 5.9b,5.8
GCMT I 13 16 39 28.2–.10 0.20S–.01 125.04E–.01 36–0 5.7W,5.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.64 $M_{\theta\theta}$-0.33 $M_{\phi\phi}$-1.31 $M_{r\theta}$0.99 $M_{\theta\phi}$-0.13 $M_{\phi r}$2.25 NP1:ϕ_s182.50000°,δ16.14000°,λ72.05000°. NP2:ϕ_s21.14000°,δ74.66000°,λ95.10000°. Principal axes: T 3.0563,Plg60.0000°,Azm298.0000°; N -0.3679,Plg5.0000°,Azm200.0000°; P -2.6884,Plg29.0000°,Azm107.0000° $M_0$2.89000×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 4s0 Moment tensor: Scale 10^{17}Nm; M_{rr}2.55 $M_{\theta\theta}$-1.90 $M_{\phi\phi}$-0.65 $M_{r\theta}$1.72 $M_{\theta\phi}$-1.31 $M_{\phi r}$2.66 NP1:ϕ_s255.00000°,δ23.00000°,λ123.00000°. NP2:ϕ_s39.00000°,δ71.00000°,λ77.00000°. Principal axes: T 4.1905,Plg62.0000°,Azm289.0000°; N -0.1325,Plg12.0000°,Azm44.0000°; P -4.0580,Plg25.0000°,Azm139.0000° $M_0$4.13000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s140,c246; s129,c220;Duration: 1s6 Moment tensor: Scale 10^{17}Nm; M_{rr}3.02±.04 $M_{\theta\theta}$-1.95±.03; $M_{\phi\phi}$-1.06±.04; $M_{r\theta}$0.62±.05; $M_{\theta\phi}$-1.57±.03; $M_{\phi r}$2.20±.06; Best double couple: NP1:ϕ_s33.00000°,δ63.00000°,λ71.00000°. NP2:ϕ_s250.00000°,δ32.00000°,λ123.00000°. Principal axes: T 3.9810,Plg66.0000°,Azm268.0000°; N -0.2980,Plg17.0000°,Azm42.0000°; P -3.6730,Plg16.0000°,Azm137.0000° $M_0$3.82700×10^{17}
ISC I 30 00 42 21.6–1.0 0.03S–.06 125.23E–.05 64–12 4.0b 40 2-74
DJA I 30 00 42 18.1–.90 0N–3.0 125E–2.0 12–6 5.0b,4.3 ¶610235679
IDC I 30 00 42 21.8–3.1 0.07S 125.02E 62–30 3.8,3.6L
NEIC I 30 00 42 22.2–1.5 0.08S–.10 125.12E–.03 65–26 4.1b,3.6L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 31 17 25 45.2–.41 0.19S–.05 125.08E–.06 53 4.5b,2.7s 88 2-125
DJA I 31 17 25 42.3–.30 0S–4.0 125E–2.0 10 4.4b,4.3 ¶610235835
NEIC I 31 17 25 47.0–1.9 0.15S–.07 125.05E–.05 62–8 4.5b,4.3
IDC I 31 17 25 47.0–2.4 0.18S 124.88E 67–24 4.3,4.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=7.5km az=171.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=18.8km s-min=13.7km az=92.0.
ISC II 05 16 12 03.6–.74 1.28S–.07 126.76E–.06 35 3.8b 23 1-90
IDC II 05 16 11 58.2–1.0 1.37S 126.70E 0 3.7,3.7b ¶610414892
DJA II 05 16 12 01.1–.20 1S–3.0 127E–2.0 10 4.5b,4.1
ISC Event type ke.
ISC II 05 17 27 47.7–.83 1.24S–.07 126.77E–.06 10 3.8b 21 1-62
IDC II 05 17 27 44.8–1.2 1.46S 126.49E 0 3.8,3.8b ¶610414897
DJA II 05 17 27 47.7–.20 1S–3.0 127E–2.0 10 5.0b,4.4b
ISC Event type ke.
ISC II 06 07 21 49.5–.66 1.22S–.05 126.88E–.07 35 4.0b 28 1-62
NEIC II 06 07 21 47.1–1.4 1.44S–.07 126.58E–.08 23–2 4.1b ¶610414942
IDC II 06 07 21 47.4–1.2 1.43S 126.71E 0 3.8,3.8b
DJA II 06 07 21 49.7–1.0 1S–4.0 127E–4.0 32–20 3.7,3.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC II 06 07 33 05.7–2.8 1.59S 126.36E 0 3.6,3.6b
¶610414945
IDC Error ellipse: s-maj=396.5km s-min=24.3km az=66.0.
IDC II 09 05 31 08.8–1.8 0.16S 125.15E 0 3.5,3.5b
¶610415160
IDC Error ellipse: s-maj=189.2km s-min=25.1km az=64.0.
ISC II 12 05 55 08.9–.51 0.09S–.05 124.52E–.05 73 4.1b 57 2-122
DJA II 12 05 55 06.2–1.4 0N–2.0 125E–2.0 22–13 5.3b,4.7 ¶610415358
IDC II 12 05 55 07.5–3.6 0.04S 124.34E 59–35 4.5L,4.1
NEIC II 12 05 55 09.8–1.8 0.07S–.07 124.42E–.05 82–10 4.0b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC II 16 06 50 45.1–2.3 0.25S 126.52E 0 3.3,3.3b
¶610415616
IDC Error ellipse: s-maj=246.9km s-min=27.9km az=64.0.
ISC II 25 21 08 46.4–1.3 1.09S–.03 126.91E–.04 1–8 4.7b,3.6s 166 1-124
IDC II 25 21 08 46.8–.56 1.05S 126.97E 0 4.4,4.3b ¶610241211
DJA II 25 21 08 48.9–.60 1S–2.0 127E–1.0 17–5 5.1b,4.8b
NEIC II 25 21 08 49.5–1.5 1.13S–.08 126.91E–.08 17–4 4.8b,4.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 02 21 08 37.2–.96 0.07S–.09 124.66E–.05 35 3.3b 13 2-64
IDC III 02 21 08 31.1–1.2 0.15N 125.01E 0 3.4,3.4b ¶610545408
DJA III 02 21 08 36.7–.30 0S–5.0 125E–3.0 10 4.7b,4.0b
ISC Event type ke.
IDC III 06 21 59 15.0–1.9 1.21S 124.43E 0 3.1s,3.1
¶610545685
IDC Error ellipse: s-maj=201.2km s-min=29.3km az=62.0.
IDC III 07 22 02 28.1–2.2 1.24S 126.97E 0 3.6s,3.5L
¶610545761
IDC Error ellipse: s-maj=167.2km s-min=28.2km az=66.0.
ISC III 14 20 11 03.8–1.5 1.17S–.03 126.93E–.04 0–11 4.1b 27 1-62
IDC III 14 20 11 03.7–1.1 1.33S 126.78E 0 3.9L,3.8 ¶610546217
DJA III 14 20 11 05.5–.20 1S–2.0 127E–2.0 10 4.8b,4.4b
ISC Event type ke.
ISC III 20 05 55 24.9–1.1 1.31S–.06 126.24E–.07 35 14 1-61
IDC III 20 05 55 18.4–2.0 0.96S 127.15E 0 3.6,3.5b ¶610543302
DJA III 20 05 55 23.1–.30 1S–3.0 126E–2.0 10 5.2b,4.6
ISC Event type ke.
ISC IV 15 18 46 29.5–.95 0.20S–.08 124.89E–.06 10 3.0b 15 2-60
IDC IV 15 18 46 25.6–1.8 0.68N 126.44E 0 3.3,3.2b ¶610652812
DJA IV 15 18 46 31.2–.20 0S–3.0 125E–2.0 10 4.1b,4.1b
ISC Event type ke.
DJA IV 19 15 20 08.8–.70 0S–5.0 125E–3.0 95–26 4.0b,3.9
¶615346215
ISC IV 24 06 13 50.5–.25 0.15S–.03 125.23E–.03 55–1 5.3b,4.4s 1092 2-175
BJI IV 24 06 13 45.4–.00 0.78S 125.33E 62 5.1b,5.1b ¶610547653
MOS IV 24 06 13 47.5–1.1 0.01S 125.05E 38 5.5b,4.3s
IDC IV 24 06 13 48.6–2.1 0.22S 125.11E 38–16 5.1,4.9b
NEIC IV 24 06 13 49.8–2.2 0.10S–.06 125.19E–.05 39–4 5.3b,4.5
GCMT IV 24 06 13 50.8–.10 0.30S–.01 125.24E–.01 39–0 5.3W,4.5
DJA IV 24 06 13 50.7–.10 0S–2.0 125E–1.0 55–3 5.7b,5.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s117,c198; s110,c179;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}1.02±.02 $M_{\theta\theta}$-0.65±.02; $M_{\phi\phi}$-0.37±.02; $M_{r\theta}$0.23±.02; $M_{\theta\phi}$-0.68±.01; $M_{\phi r}$0.73±.03; Best double couple: NP1:ϕ_s32.00000°,δ63.00000°,λ70.00000°. NP2:ϕ_s250.00000°,δ33.00000°,λ123.00000°. Principal axes: T 1.3320,Plg66.0000°,Azm266.0000°; N 0.0440,Plg18.0000°,Azm41.0000°; P -1.3790,Plg16.0000°,Azm136.0000° $M_0$1.35500×10^{17}
IDC IV 30 04 40 05.8–2.0 1.16S 125.86E 0 3.6,3.5b
¶610650382
IDC Error ellipse: s-maj=206.3km s-min=26.8km az=64.0.
IDC V 15 16 00 35.9–1.9 0.59S 124.42E 0 3.2,3.1b
¶610690344
IDC Error ellipse: s-maj=182.1km s-min=28.0km az=63.0.
ISC V 19 11 44 03.3–.37 1.13S–.03 126.92E–.03 29–2 4.9b,4.2s 512 1-152
BJI V 19 11 43 59.7–.00 1.54S 127.38E 43 5.1b,4.9b ¶610643071
DJA V 19 11 44 01.4–.50 1S–1.0 127E–1.0 22–4 5.5b,5.2b
NEIC V 19 11 44 04.4–1.6 1.16S–.05 126.90E–.07 37–4 4.9b,5.2b
IDC V 19 11 44 05.1–1.4 1.05S 126.83E 43–13 4.8,4.5b
GCMT V 19 11 44 05.4–.30 1.23S–.02 126.73E–.02 34–1 5.1W,4.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s44,c54; s72,c91;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.43±.23 $M_{\theta\theta}$-1.83±.14; $M_{\phi\phi}$-1.60±.15; $M_{r\theta}$1.59±.15; $M_{\theta\phi}$1.96±.09; $M_{\phi r}$-3.05±.20; Best double couple: NP1:ϕ_s147.00000°,δ67.00000°,λ101.00000°. NP2:ϕ_s300.00000°,δ25.00000°,λ65.00000°. Principal axes: T 4.9290,Plg66.0000°,Azm76.0000°; N 0.0440,Plg10.0000°,Azm322.0000°; P -4.9720,Plg22.0000°,Azm228.0000° $M_0$4.95100×10^{16}
ISC V 19 14 48 09.1–.81 1.10S–.06 126.81E–.05 10 4.1b,3.7s 21 1-98
IDC V 19 14 48 06.6–1.1 1.23S 126.62E 0 3.9,3.8b ¶610690675
DJA V 19 14 48 10.1–.20 1S–2.0 127E–2.0 10 5.1,5.1b
ISC Event type ke.
ISC V 19 22 40 29.3–.52 1.13S–.04 126.86E–.05 34 4.2b 53 1-124
DJA V 19 22 40 28.5–.30 1S–2.0 127E–2.0 10 4.8b,4.6b ¶610690702
NEIC V 19 22 40 30.5–2.7 1.11S–.08 126.85E–.01 42–11 4.3b,4.6b
IDC V 19 22 40 31.5–2.6 1.18S 126.85E 61–27 4.2,4.1L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=1.9km az=176.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=19.2km s-min=15.9km az=108.0.
ISC V 20 17 32 51.1–.59 1.12S–.04 126.95E–.06 34 3.8b 36 1-75
IDC V 20 17 32 45.9–.91 1.11S 126.90E 0 3.9,3.8b ¶610685040
DJA V 20 17 32 50.6–.20 1S–2.0 127E–2.0 10 4.9b,4.2b
ISC Event type ke.
ISC VI 08 12 00 56.4–.54 0.30S–.05 125.74E–.06 57 4.2b,2.5s 41 2-90
IDC VI 08 12 00 48.6–.86 0.34S 125.18E 0 4.1,4.1b ¶610791466
DJA VI 08 12 00 52.4–1.6 0S–3.0 126E–3.0 10–13 4.5b,4.5b
NEIC VI 08 12 00 57.6–1.3 0.27S–.04 125.89E–.07 61–11 4.3b,4.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VI 11 02 00 07.8–2.4 1.40S 124.89E 0 3.6,3.5b
¶610791631
IDC Error ellipse: s-maj=385.3km s-min=26.5km az=63.0.
ISC VI 11 04 55 36.4–2.9 1.3S–.30 126.8E–.10 10 6 1-34
DJA VI 11 04 55 31.0–1.1 1S–5.0 127E–5.0 14–11 4.2b,3.6 ¶610791638
IDC VI 11 04 55 41.1–12 1.65S 127.74E 0 3.5b,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=189.5km s-min=145.9km az=142.0.
IDC VI 18 04 06 38.3–2.2 1.12S 126.48E 0 3.4,3.3b
¶610792093
IDC Error ellipse: s-maj=200.3km s-min=28.6km az=65.0.
ISC VI 19 23 36 36.6–1.5 0.1S–.10 124.9E–.10 10 3.4b 8 1-60
IDC VI 19 23 36 34.5–1.3 0.08S 124.71E 0 3.5,3.4b ¶610792219
DJA VI 19 23 36 40.7–1.3 0S–4.0 125E–4.0 15–10 3.9,3.9
ISC Event type ke.
IDC VI 22 15 15 45.0–2.0 1.74S 126.14E 0 3.1,3.1b
¶610789279
IDC Error ellipse: s-maj=161.3km s-min=28.6km az=65.0.
ISC VI 30 02 28 33.2–.87 0.02S–.08 126.58E–.06 50 3.5b 13 1-61
IDC VI 30 02 28 25.7–1.1 0.21N 127.09E 0 3.8,3.7b ¶610789749
DJA VI 30 02 28 34.1–1.2 0S–2.0 127E–2.0 27–11 3.5,3.5
ISC Event type ke.

(270) Ceram Sea.

IDC I 04 17 30 44.0–1.6 3.59S 125.71E 0 3.6,3.6b
¶610236711
IDC Error ellipse: s-maj=46.2km s-min=25.8km az=70.0.
IDC I 11 00 29 12.4–1.9 3.64S 125.75E 0 3.2,3.2b
¶610237115
IDC Error ellipse: s-maj=156.2km s-min=28.0km az=63.0.
IDC I 11 11 02 24.4–1.6 2.95S 127.21E 0 3.6L,3.5
¶610237143
IDC Error ellipse: s-maj=34.7km s-min=26.5km az=79.0.
ISC I 12 04 37 12.6–.73 2.91S–.06 128.06E–.05 38 4.3b 21 1-87
IDC I 12 04 37 07.5–1.2 2.90S 127.97E 0 4.4L,4.2 ¶610237223
DJA I 12 04 37 09.7–.60 3S–4.0 128E–3.0 11–8 3.9,3.9
NEIC I 12 04 37 13.6–.97 2.96S–.04 128.11E–.10 46–10 4.1b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DJA I 12 05 23 21.1–.60 3S–3.0 128E–2.0 11–7 5.0b,4.0
¶615345229
ISC I 12 14 47 25.8–.44 2.04S–.05 128.40E–.05 34 4.3b,3.4s 83 1-151
IDC I 12 14 47 21.2–.61 2.04S 128.28E 0 4.4L,4.2 ¶610064836
DJA I 12 14 47 23.9–.20 2S–2.0 128E–2.0 10 5.1b,4.8b
NEIC I 12 14 47 26.1–2.3 1.94S–.05 128.51E–.07 48–11 4.3b,4.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 14 05 27 08.3–.40 2.65S–.04 128.91E–.04 35 4.2b,3.5s 78 1-151
IDC I 14 05 27 03.5–.62 2.62S 128.90E 0 4.3L,4.2 ¶610237337
DJA I 14 05 27 06.7–.80 3S–3.0 129E–2.0 24–8 5.5b,5.0
NEIC I 14 05 27 08.2–2.0 2.62S–.07 128.91E–.07 29–6 4.3b,5.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC I 14 06 41 04.4–.34 2.68S–.04 128.92E–.05 50 5.0s,4.5b 118 1-159
IDC I 14 06 40 57.6–.56 2.62S 128.95E 0 4.5L,4.3 ¶610087856
DJA I 14 06 41 02.1–1.1 2S–3.0 129E–2.0 20–10 5.5b,5.0b
NEIC I 14 06 41 03.5–1.3 2.58S–.07 128.97E–.02 39–8 4.8b,5.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC I 15 02 23 50.8–2.2 2.13S 128.18E 0 3.6,3.6L ¶610237406
IDC Error ellipse: s-maj=153.8km s-min=26.7km az=68.0.
ISC I 15 07 44 02.1–.39 2.02S–.04 128.39E–.04 34 4.4b,3.4s 97 1-151
DJA I 15 07 44 02.1–.20 2S–2.0 128E–2.0 47–5 6.4,5.7 ¶610094928
NEIC I 15 07 44 02.4–1.1 1.98S–.03 128.49E–.07 35–5 4.3b,5.7
IDC I 15 07 44 03.6–2.1 2.03S 128.53E 44–21 4.3L,4.1
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=3.3km az=82.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=17.5km s-min=14.1km az=112.0.
IDC I 15 08 03 14.7–2.3 2.02S 128.44E 0 3.6L,3.5 ¶610237422
IDC Error ellipse: s-maj=181.8km s-min=26.3km az=68.0.
ISC I 15 09 09 00.1–.38 2.02S–.04 128.45E–.04 34 4.5b,3.4s 102 1-151
IDC I 15 09 08 55.1–.67 1.97S 128.52E 0 4.3L,4.2 ¶610094924
DJA I 15 09 08 59.9–.50 2S–2.0 128E–1.0 37–8 6.5,5.8
NEIC I 15 09 09 00.7–1.5 2.04S–.07 128.52E–.09 44–5 4.5b,5.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC I 17 03 23 42.4–1.5 2.02S 128.38E 0 3.5b,3.4 ¶610237562
IDC Error ellipse: s-maj=31.5km s-min=26.6km az=79.0.
ISC I 19 10 43 41.4–.76 2.77S–.07 126.59E–.06 35 3.9b 22 1-66
IDC I 19 10 43 36.6–1.0 2.81S 126.74E 0 3.8,3.8b ¶610237721
DJA I 19 10 43 39.3–.30 3S–5.0 127E–3.0 10 4.4b,4.4b
ISC Event type ke.
ISC I 22 03 47 52.9–.82 2.74S–.06 128.98E–.07 35 3.7b 17 1-150
DJA I 22 03 47 50.8–.30 3S–2.0 129E–3.0 10 5.4b,4.9 ¶610235054
IDC I 22 03 47 54.0–2.5 2.77S 128.99E 52–25 4.0,4.0L
ISC Event type ke.
IDC Error ellipse: s-maj=23.2km s-min=15.5km az=118.0.
ISC I 22 06 17 13.1–.50 2.77S–.04 128.96E–.05 33 4.1b 55 1-150
IDC I 22 06 17 08.0–.61 2.88S 128.94E 0 4.3L,4.1 ¶610235070
DJA I 22 06 17 11.9–.30 3S–2.0 129E–2.0 10 6.0b,5.6
NEIC I 22 06 17 14.8–2.1 2.89S–.08 128.84E–.03 46–11 4.3b,5.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 22 10 34 27.9–1.0 2.59S–.06 128.89E–.05 10 13 1-64
DJA I 22 10 34 28.3–.30 3S–2.0 129E–3.0 10 5.1b,4.5 ¶610235102
IDC I 22 10 34 29.1–1.7 2.93S 129.31E 0 3.7,3.7L
ISC Event type ke.
IDC Error ellipse: s-maj=40.8km s-min=24.2km az=99.0.
ISC I 23 21 53 38.1–.91 2.52S–.08 128.94E–.08 10 3.1s 13 1-98
IDC I 23 21 53 37.6–1.5 2.84S 129.02E 0 3.7,3.7b ¶610235226
DJA I 23 21 53 37.8–.30 2S–3.0 129E–3.0 10 4.5b,4.2
ISC Event type ke.
DJA I 26 04 51 20.0–.30 3S–2.0 129E–3.0 10 4.2b,3.9 ¶615345433
ISC I 27 09 07 07.5–.85 2.60S–.07 128.95E–.07 35 4.0b,3.1s 28 1-90
IDC I 27 09 07 03.3–2.0 2.97S 128.17E 0 4.2L,4.0 ¶610235463
DJA I 27 09 07 05.9–.30 2S–3.0 129E–3.0 10 4.3b,4.0
NEIC I 27 09 07 09.1–2.3 2.7S–.10 128.92E–.08 35–2 4.1b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC I 27 23 53 45.7–1.3 2.89S 127.94E 0 3.9L,3.7 ¶610235518
IDC Error ellipse: s-maj=32.6km s-min=23.5km az=72.0.
ISC I 28 05 43 08.4–.89 2.52S–.06 128.91E–.05 10 17 1-64
IDC I 28 05 43 06.9–1.7 2.70S 129.04E 0 3.5,3.4b ¶610235539
DJA I 28 05 43 08.5–.70 2S–3.0 129E–2.0 12–6 5.9b,5.5
ISC Event type ke.
ISC II 01 17 43 40.2–1.5 2.54S–.10 128.80E–.07 35 12 1-22
DJA II 01 17 43 38.2–1.3 2S–6.0 129E–5.0 15–14 3.1,3.1 ¶612488611
ISC Event type ke.
ISC II 07 02 41 45.2–.00 2.56S–.07 127.60E–.05 29 13 1-63
DJA II 07 02 41 46.4–.70 3S–3.0 127E–4.0 54–14 3.5,3.5 ¶610415005
IDC II 07 02 41 49.7–4.8 2.64S 127.87E 71–49 3.5,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=38.7km s-min=15.0km az=77.0.
ISC II 07 02 47 38.4–1.1 2.95S–.07 128.11E–.05 38 13 1-64
DJA II 07 02 47 37.1–.60 3S–5.0 128E–3.0 13–7 5.7b,5.2 ¶610415006
IDC II 07 02 47 43.2–4.7 2.99S 128.39E 92–49 3.7,3.3b
ISC Event type ke.
IDC Error ellipse: s-maj=41.6km s-min=18.1km az=74.0.
ISC II 07 19 26 16.3–.70 2.38S–.06 128.90E–.05 35 4.0b,3.3s 49 1-90
IDC II 07 19 26 11.8–1.4 2.61S 128.75E 0 4.0L,3.8 ¶610415064
NEIC II 07 19 26 16.3–2.0 2.3S–.10 128.86E–.09 54–18 4.2b,3.8
DJA II 07 19 26 16.8–.80 2S–2.0 129E–2.0 18–8 4.6b,4.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 12 18 14 46.5–.39 2.48S–.04 127.68E–.04 29 4.5b 100 1-126
IDC II 12 18 14 42.7–.67 2.49S 127.61E 0 4.9L,4.3 ¶610208578
DJA II 12 18 14 47.7–1.3 2S–3.0 128E–3.0 31–21 5.0b,4.6b
NEIC II 12 18 14 47.9–1.4 2.53S–.07 127.61E–.08 42–7 4.4b,4.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC II 13 02 03 39.1–1.9 3.13S 125.02E 0 3.6L,3.3 ¶610415413
IDC Error ellipse: s-maj=189.5km s-min=28.1km az=63.0.
IDC III 03 12 22 58.2–2.1 2.23S 128.11E 0 3.7b,3.6 ¶610545455
IDC Error ellipse: s-maj=176.7km s-min=24.7km az=68.0.
ISC III 11 03 28 08.3–.77 2.60S–.05 127.99E–.06 32 3.5b 27 1-63
DJA III 11 03 28 08.9–.20 3S–2.0 128E–2.0 50–7 5.0b,4.5 ¶610545994
IDC III 11 03 28 11.9–2.1 2.75S 128.20E 74–23 3.9,3.3b
ISC Event type ke.
IDC Error ellipse: s-maj=18.0km s-min=11.3km az=83.0.
ISC III 14 09 17 37.0–.46 2.34S–.06 128.02E–.05 32 4.5b,4.0s 56 1-151
DJA III 14 09 17 37.9–.20 2S–2.0 128E–3.0 10 5.1b,5.0b ¶610328171
NEIC III 14 09 17 37.9–2.1 2.35S–.07 127.99E–.07 46–8 4.6b,5.0b
IDC III 14 09 17 41.6–2.3 2.29S 128.23E 44–25 4.9L,4.2
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=9.3km az=200.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=19.9km s-min=15.0km az=114.0.
DJA III 14 09 45 13.9–.60 2S–4.0 128E–4.0 109–12 5.6b,5.2 ¶615345873
ISC III 14 11 47 46.6–.55 2.73S–.06 126.15E–.06 20 4.4b 39 1-87
DJA III 14 11 47 43.6–.50 2S–5.0 126E–3.0 20–5 4.6b,3.9 ¶610546199
IDC III 14 11 47 47.2–1.7 2.66S 126.34E 0 3.8,3.7b
NEIC III 14 11 47 48.9–2.6 2.71S–.05 126.16E–.07 35–2 4.3b,3.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC III 15 08 27 02.7–1.5 3.73S 125.69E 0 3.3b,3.3L ¶610546241
IDC Error ellipse: s-maj=176.2km s-min=25.1km az=64.0.
ISC III 28 17 29 12.0–.94 2.91S–.04 127.58E–.04 42–11 4.0b 50 1-126
DJA III 28 17 29 10.0–.50 3S–2.0 128E–1.0 26–5 4.6b,4.6b ¶610543863
IDC III 28 17 29 14.6–1.7 2.97S 127.84E 72–17 4.1,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=13.5km s-min=8.9km az=83.0.
ISC III 28 20 48 59.1–.95 2.94S–.05 127.56E–.05 42 19 1-64
IDC III 28 20 48 54.1–1.5 2.86S 127.65E 0 3.9,3.8L ¶610543869
DJA III 28 20 48 56.6–.20 3S–2.0 128E–2.0 10 4.7b,4.3b
ISC Event type ke.
ISC III 29 08 54 59.6–.26 2.28S–.03 128.05E–.04 32 5.0b,4.5s 430 1-153
KLM III 29 08 54 53 2.18S 128.67E 10 5.4b,4.5s ¶611832149
MOS III 29 08 54 55.1–.95 2.27S 128.00E 17 5.1b,4.5s
IDC III 29 08 54 55.1–.43 2.28S 127.94E 0 4.9L,4.8
NEIC III 29 08 54 57.2–2.9 2.13S–.06 128.04E–.07 10–1 4.9b,4.8
DJA III 29 08 54 58.1–.30 2S–2.0 128E–1.0 16–2 5.8b,5.3
BJI III 29 08 54 59.8–.00 2.10S 128.10E 30 5.2b,5.1b
GCMT III 29 08 55 00.2–.20 2.15S–.01 127.97E–.01 13–1 5.2W,5.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s39,c46; s120,c172;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.02±.18 $M_{\theta\theta}$4.81±.19; $M_{\phi\phi}$-4.84±.19; $M_{r\theta}$2.94±.54; $M_{\theta\phi}$3.82±.15; $M_{\phi r}$1.69±.45; Best double couple: NP1:ϕ_s24.00000°,δ78.00000°,λ158.00000°. NP2:ϕ_s119.00000°,δ68.00000°,λ13.00000°. Principal axes: T 7.6090,Plg24.0000° ,Azm340.0000°; N -1.3710,Plg65.0000°,Azm177.0000°; P -6.2430,Plg7.0000°,Azm73.0000° $M_0$6.92600×10^{16}
ISC III 29 13 52 16.6–.78 2.21S–.04 127.93E–.05 35 3.7b 24 1-72
IDC III 29 13 52 11.9–1.1 2.28S 128.03E 0 3.9L,3.8 ¶610543934
DJA III 29 13 52 15.0–.60 2S–2.0 128E–2.0 15–6 5.7b,5.2
ISC Event type ke.
ISC III 30 10 13 10.3–.83 2.45S–.05 126.07E–.06 20 3.7b 20 0-62
IDC III 30 10 13 07.0–1.4 2.42S 126.21E 0 3.6,3.6L ¶610543985
DJA III 30 10 13 11.0–.40 2S–2.0 126E–2.0 15–3 5.2b,4.5
ISC Event type ke.
IDC IV 03 05 06 46.1–2.2 2.93S 127.61E 0 3.6L,3.4 ¶610651797
IDC Error ellipse: s-maj=153.2km s-min=28.2km az=67.0.
ISC IV 05 02 38 23.8–.75 2.45S–.06 124.92E–.05 35 4.0b 23 1-65
IDC IV 05 02 38 19.1–.93 2.54S 124.86E 0 4.1L,4.0 ¶610651959
DJA IV 05 02 38 20.5–.20 2S–3.0 125E–2.0 10 5.0b,4.4b
ISC Event type ke.
DJA IV 06 13 42 08.6–.30 3S–3.0 128E–3.0 10 5.9b,5.5 ¶615346095
ISC IV 08 00 34 14.1–1.2 2.14S–.05 127.92E–.07 50 12 1-63
DJA IV 08 00 34 14.3–.40 2S–2.0 128E–3.0 63–10 3.4b,3.3 ¶610652190
IDC IV 08 00 34 16.1–2.4 2.82S 128.31E 0 3.5L,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=181.3km s-min=29.0km az=68.0.
IDC IV 10 03 14 15.8–2.1 2.47S 126.36E 0 3.2s,3.2 ¶610652335
IDC Error ellipse: s-maj=179.2km s-min=28.8km az=65.0.
IDC IV 13 01 15 04.3–2.4 2.20S 128.75E 0 4.5L,3.6 ¶610652598
IDC Error ellipse: s-maj=177.5km s-min=26.7km az=68.0.
ISC IV 13 07 31 53.8–6.2 2.2S–.30 129.0E–.40 24 6 1-64
IDC IV 13 07 31 39.0–2.5 1.48S 128.22E 0 3.7s,3.4b ¶610652618
DJA IV 13 07 32 00.4–.40 3S–4.0 129E–3.0 10 3.1,3.1
ISC Event type ke.
IDC IV 23 02 10 32.8–1.5 2.05S 126.18E 0 3.3,3.3L ¶610649788
IDC Error ellipse: s-maj=54.8km s-min=24.3km az=65.0.
ISC V 05 12 50 41.4–1.1 2.48S–.08 128.94E–.09 35 18 1-26
DJA V 05 12 50 40.0–.20 2S–2.0 129E–2.0 10 4.8b,4.2b ¶615346343
ISC Event type ke.
ISC V 08 03 13 45.2–1.0 2.92S–.07 127.72E–.06 42 13 1-64
IDC V 08 03 13 39.9–1.6 2.87S 127.71E 0 3.7,3.7L ¶610689776
DJA V 08 03 13 43.6–.70 3S–6.0 128E–3.0 12–8 4.2b,3.9
ISC Event type ke.
ISC V 15 06 17 02.3–1.4 2.96S–.05 128.30E–.05 31–12 3.6b 18 1-68
IDC V 15 06 16 57.7–1.2 2.98S 128.23E 0 3.5,3.5b ¶610690320
DJA V 15 06 17 01.4–.50 3S–4.0 128E–2.0 11–5 3.7b,3.6
ISC Event type ke.
ISC V 21 11 01 48.2–1.2 2.27S–.06 127.88E–.08 32 9 1-63
DJA V 21 11 01 48.2–.90 2S–2.0 128E–3.0 21–9 3.4,3.4 ¶610685080
IDC V 21 11 01 51.5–2.1 3.08S 128.17E 0 3.8L,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=57.5km s-min=28.2km az=60.0.
ISC V 22 02 59 16.8–1.2 3.00S–.10 128.34E–.07 35 8 1-64
IDC V 22 02 59 13.3–3.1 3.38S 127.15E 0 3.6,3.6b ¶610685121
DJA V 22 02 59 14.4–.40 3S–4.0 128E–4.0 10 3.3,3.3
ISC Event type ke.
ISC V 22 13 02 49.2–.87 2.94S–.06 128.31E–.05 10 14 1-64
IDC V 22 13 02 47.2–2.2 2.99S 128.16E 0 3.9,3.8b ¶610685161
DJA V 22 13 02 49.8–.20 3S–2.0 128E–2.0 10 4.2b,3.9
ISC Event type ke.
ISC V 24 13 53 50.7–.89 2.92S–.07 128.33E–.05 10 3.5b 12 1-64
IDC V 24 13 53 50.0–2.1 3.63S 126.52E 0 3.4L,3.3 ¶610685302
DJA V 24 13 53 51.2–.60 3S–5.0 128E–3.0 11–7 3.0,3.0
ISC Event type ke.
ISC VI 02 21 59 58.9–.95 2.14S–.09 128.1E–.10 33 14 1-63
IDC VI 02 21 59 53.4–1.8 2.09S 128.39E 0 3.7,3.6L ¶610791126
DJA VI 02 21 59 58.2–.60 2S–3.0 128E–3.0 14–6 5.0b,4.4
ISC Event type ke.
IDC VI 06 08 05 08.8–2.0 2.08S 125.90E 0 3.3,3.3L ¶610791328
IDC Error ellipse: s-maj=172.3km s-min=28.5km az=64.0.
IDC VI 21 15 39 44.8–2.1 2.68S 126.33E 0 3.1L,3.0 ¶610789217
IDC Error ellipse: s-maj=171.6km s-min=29.1km az=65.0.
ISC VI 26 14 52 24.2–.75 2.80S–.05 126.93E–.05 41 3.9b 20 0-63
DJA VI 26 14 52 22.0–.30 3S–3.0 127E–3.0 10 4.8b,4.2b ¶610789515
IDC VI 26 14 52 25.3–2.1 2.84S 127.10E 43–24 3.8,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=18.0km s-min=10.5km az=78.0.
DJA VI 28 21 50 21.2–.30 2S–2.0 127E–2.0 10 4.4b,4.1b ¶615350466

(271) Buru.

ISC I 13 13 34 48.0–1.1 3.41S–.05 126.94E–.05 15–7 4.4b,3.1s 87 0-116
DJA I 13 13 34 47.8–.10 3S–2.0 127E–1.0 10 5.1b,4.8b ¶610086843
NEIC I 13 13 34 51.9–1.8 3.46S–.06 126.88E–.06 42–8 4.5b,4.8b
IDC I 13 13 34 52.4–1.6 3.35S 126.88E 50–16 4.4L,4.3
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=7.7km az=146.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=15.7km s-min=14.0km az=138.0.
ISC I 15 01 07 31.0–1.0 3.44S–.08 126.85E–.06 10 16 0-64
IDC I 15 01 07 29.3–1.6 3.34S 126.75E 0 3.8,3.7b ¶610237402
DJA I 15 01 07 31.7–.30 3S–4.0 127E–2.0 10 4.8b,4.6b
ISC Event type ke.
IDC III 17 08 06 58.4–3.2 3.14S 126.55E 0 3.6,3.4b ¶610546371
IDC Error ellipse: s-maj=148.2km s-min=33.2km az=82.0.

(272) Seram.

ISC I 02 04 25 38.2–.61 2.94S–.05 129.99E–.05 25 3.9b 37 1-82
IDC I 02 04 25 34.4–.98 2.98S 129.89E 0 3.9,3.9b ¶610236440
DJA I 02 04 25 37.7–.80 3S–2.0 130E–2.0 12–6 3.8,3.8

NEIC I 02 04 25 39.2–.87 2.97S–.07 130.01E–.08 31–5 4.0b,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC I 04 21 47 03.0–1.7 3.29S 128.51E 0 3.7L,3.5
¶610236737
IDC Error ellipse: s-maj=39.3km s-min=25.7km az=96.0.
ISC I 07 17 53 49.9–.86 2.76S–.06 129.55E–.05 28 3.8b 17 1-68
IDC I 07 17 53 46.3–1.4 2.91S 129.54E 0 3.7,3.6b ¶610236910
DJA I 07 17 53 49.4–.70 3S–3.0 130E–2.0 15–5 4.4b,3.9
ISC Event type ke.
ISC I 07 19 21 30.0–.75 2.87S–.06 129.56E–.05 28 3.9b 27 1-69
IDC I 07 19 21 25.6–1.1 2.86S 129.48E 0 3.8,3.8L ¶610236916
DJA I 07 19 21 29.3–.30 3S–3.0 130E–3.0 10 3.6,3.6
ISC Event type ke.
IDC I 11 20 49 48.3–1.6 2.87S 129.66E 0 3.5,3.5L
¶610237193
IDC Error ellipse: s-maj=42.1km s-min=23.4km az=99.0.
IDC I 11 20 51 26.2–1.6 2.86S 129.72E 0 3.5,3.5L
¶610237194
IDC Error ellipse: s-maj=43.2km s-min=23.3km az=98.0.
ISC I 13 15 43 06.5–.83 3.68S–.06 128.78E–.06 100 22 0-65
DJA I 13 15 43 08.7–.40 4S–4.0 129E–2.0 86–6 5.3b,4.7 ¶610237302
IDC I 13 15 43 09.0–3.6 3.68S 129.07E 130–35 3.8,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=45.8km s-min=13.1km az=81.0.
IDC I 18 16 21 22.8–2.5 3.93S 128.53E 0 3.1s,3.0
¶610237673
IDC Error ellipse: s-maj=182.5km s-min=30.9km az=68.0.
ISC I 21 16 34 58.1–.96 2.76S–.09 129.45E–.06 10 10 1-64
IDC I 21 16 34 55.7–1.7 2.82S 129.14E 0 3.4s,3.4 ¶610235003
DJA I 21 16 34 59.2–1.3 3S–7.0 129E–4.0 14–12 4.0b,3.4
ISC Event type ke.
ISC I 22 03 44 23.7–1.3 2.37S–.04 129.02E–.03 9–9 4.1b 52 1-151
IDC I 22 03 44 26.1–.90 2.73S 128.96E 0 4.1L,4.0 ¶610235053
NEIC I 22 03 44 28.9–3.0 2.46S–.05 128.71E–.06 36–9 4.2b,4.0
DJA I 22 03 44 30.0–.50 3S–2.0 129E–2.0 14–4 4.5b,4.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 23 19 55 34.2–1.1 3.5S–.10 129.29E–.07 35 8 0-69
IDC I 23 19 55 30.5–2.3 3.37S 128.94E 0 3.2,3.2b ¶610235214
DJA I 23 19 55 32.2–.60 4S–5.0 129E–4.0 16–6 2.9,2.9
ISC Event type ke.
DJA I 24 08 35 02.9–.50 4S–7.0 128E–2.0 10 5.6b,5.1
¶615345412
ISC I 24 15 34 45.0–1.4 3.0S–.10 129.8E–.10 10 11 1-69
DJA I 24 15 34 47.9–1.2 3S–4.0 130E–4.0 11–9 4.1b,3.6 ¶610235269
IDC I 24 15 34 52.3–5.5 3.51S 128.12E 44–58 3.6,3.4b
ISC Event type ke.
IDC Error ellipse: s-maj=207.7km s-min=15.4km az=70.0.
IDC I 24 19 39 09.8–6.5 3.97S 128.69E 237–87 3.3,2.5b
¶610235282
IDC Error ellipse: s-maj=124.8km s-min=19.4km az=81.0.
ISC I 28 04 40 33.4–.34 2.74S–.04 129.00E–.05 35 4.5b,3.9s 114 1-155
DJA I 28 04 40 32.3–.50 3S–2.0 129E–2.0 11–4 5.4b,5.2b ¶610145111
NEIC I 28 04 40 34.0–1.6 2.82S–.06 128.94E–.06 36–7 4.6b,5.2b
IDC I 28 04 40 35.0–1.8 2.80S 129.11E 62–17 4.1,3.9s
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=8.4km az=224.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=15.3km s-min=8.2km az=84.0.
ISC II 14 04 19 19.7–1.2 3.00S–.08 129.14E–.06 35 3.5b 9 1-69
DJA II 14 04 19 18.7–1.0 3S–5.0 129E–3.0 13–9 4.2b,4.0 ¶610415484
IDC II 14 04 19 28.8–5.0 3.14S 130.39E 99–66 3.8,3.8L
ISC Event type ke.
IDC Error ellipse: s-maj=134.8km s-min=20.2km az=80.0.
ISC II 14 18 49 52.5–.32 3.01S–.04 129.78E–.04 25 4.7b,3.5s 162 1-150
IDC II 14 18 49 49.1–.56 3.04S 129.71E 0 4.5L,4.4 ¶610209110
DJA II 14 18 49 54.9–.40 3S–2.0 130E–2.0 35–5 5.2b,4.7b
NEIC II 14 18 49 54.9–1.9 2.99S–.05 129.78E–.05 40–6 4.6b,4.7b
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s335.11926°,δ52.43071°,λ59.45436°. NP2: ϕ_s199.18330°,δ46.95121°,λ123.45176°. Principal axes: T Plg66.0392°,Azm182.8799°; N Plg23.7550°,Azm354.9084°; P Plg2.9548°,Azm86.2101°
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 14 19 09 32.8–.76 3.03S–.06 129.75E–.05 10 18 1-99
IDC II 14 19 09 31.0–1.2 3.06S 129.47E 0 4.0L,3.9 ¶610415521
DJA II 14 19 09 35.2–.90 3S–4.0 130E–3.0 17–9 4.4b,4.0
ISC Event type ke.
ISC II 21 08 45 34.6–.58 2.70S–.05 129.58E–.07 35 4.1b 40 1-88
IDC II 21 08 45 28.9–.83 2.77S 129.53E 0 4.2L,4.0 ¶610384738
DJA II 21 08 45 33.2–.80 3S–3.0 130E–3.0 11–6 5.1b,4.7b
NEIC II 21 08 45 36.8–1.5 2.86S–.03 129.6E–.10 45–8 4.1b,4.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 28 23 44 38.9–.40 2.73S–.05 129.35E–.06 35 4.4b,3.6s 103 1-150
IDC II 28 23 44 34.4–.74 2.71S 129.46E 0 4.3L,4.2 ¶610242080
DJA II 28 23 44 39.1–.20 3S–2.0 129E–2.0 10 5.1b,4.8b
NEIC II 28 23 44 39.2–1.5 2.75S–.06 129.27E–.05 37–5 4.5b,4.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 01 19 02 23.2–1.1 2.62S–.07 129.28E–.05 35 16 1-64
DJA III 01 19 02 22.9–.80 3S–3.0 129E–2.0 24–7 4.0b,3.5 ¶610545343
IDC III 01 19 02 24.6–2.4 3.66S 128.04E 0 3.7,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=181.0km s-min=29.6km az=67.0.
DJA III 02 19 36 30.1–.30 3S–3.0 129E–3.0 10 5.2b,4.6
¶615345784
IDC III 08 16 38 36.3–2.3 3.70S 128.56E 0 3.3b,3.2
¶610545820
IDC Error ellipse: s-maj=145.2km s-min=30.3km az=68.0.
ISC III 09 07 17 11.6–.94 3.46S–.06 129.98E–.06 35 17 1-70
DJA III 09 07 17 08.9–.30 3S–3.0 130E–3.0 10 3.9b,3.7 ¶610545862
IDC III 09 07 17 15.9–3.9 3.35S 130.49E 86–44 3.8,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=67.7km s-min=14.1km az=78.0.
ISC III 09 11 03 07.2–.81 3.41S–.06 130.78E–.05 30 26 1-66
IDC III 09 11 03 02.4–1.4 3.52S 130.78E 0 3.7,3.7b ¶610545874
DJA III 09 11 03 06.5–.30 3S–4.0 131E–3.0 10 4.3b,4.0
ISC Event type ke.
IDC III 09 12 08 47.8–1.7 3.41S 130.76E 0 3.3,3.2b
¶610545877
IDC Error ellipse: s-maj=88.3km s-min=25.7km az=83.0.
ISC III 09 20 08 03.5–.38 3.49S–.04 130.77E–.05 35 4.4b,3.5s 114 1-145
IDC III 09 20 07 59.7–.76 3.41S 130.71E 0 4.2,4.1b ¶610315717
NEIC III 09 20 08 04.2–2.1 3.41S–.05 130.84E–.06 39–6 4.4b,4.1b
DJA III 09 20 08 04.6–.20 3S–3.0 131E–2.0 65–6 4.9b,4.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 09 20 21 18.5–1.1 2.92S–.07 130.66E–.04 24 11 2-65
IDC III 09 20 21 09.1–2.1 2.48S 130.30E 0 3.9b,3.8 ¶610545896
DJA III 09 20 21 22.3–.30 3S–4.0 131E–2.0 10 4.3b,3.8
ISC Event type ke.
IDC III 09 20 32 42.0–1.6 3.47S 130.58E 0 3.5,3.5b
¶610545897
IDC Error ellipse: s-maj=67.2km s-min=24.7km az=85.0.
ISC III 09 23 51 02.2–.85 3.35S–.06 130.79E–.05 30 3.7b,3.1s 17 1-95
IDC III 09 23 50 58.3–1.3 3.41S 130.71E 0 3.8,3.7b ¶610545906
DJA III 09 23 51 03.4–.30 3S–4.0 131E–3.0 54–12 4.0b,3.9
ISC Event type ke.
ISC III 10 03 40 58.9–.83 3.25S–.05 130.75E–.05 35 3.6b 20 2-66
DJA III 10 03 40 57.1–.20 3S–3.0 131E–2.0 10 4.2b,4.0 ¶610545919
IDC III 10 03 41 00.1–2.0 3.20S 131.06E 58–24 3.9,3.8L
ISC Event type ke.
IDC Error ellipse: s-maj=32.1km s-min=14.3km az=85.0.
ISC III 10 07 44 40.3–.72 2.85S–.05 129.52E–.07 28 3.9b 24 1-90
DJA III 10 07 44 40.4–1.1 3S–4.0 129E–3.0 17–11 4.8b,4.5b ¶610545936
IDC III 10 07 44 43.1–2.1 2.84S 129.58E 50–21 4.1L,4.0
ISC Event type ke.
IDC Error ellipse: s-maj=24.3km s-min=16.0km az=109.0.
IDC III 10 19 42 07.1–1.5 3.46S 130.50E 0 3.4,3.4b
¶610545979
IDC Error ellipse: s-maj=63.9km s-min=24.2km az=83.0.
IDC III 12 00 49 40.6–4.2 3.51S 130.79E 0 3.1,3.1b
¶610546047
IDC Error ellipse: s-maj=301.7km s-min=31.6km az=72.0.
ISC III 14 15 09 41.3–.45 3.11S–.05 128.72E–.06 51 4.4b 69 0-127
DJA III 14 15 09 36.9–.20 3S–2.0 129E–2.0 10 5.0b,4.8b ¶610328621
NEIC III 14 15 09 41.3–1.8 2.99S–.06 128.81E–.05 45–9 4.4b,4.8b
IDC III 14 15 09 42.1–2.3 3.02S 128.87E 55–22 4.5L,4.3
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=5.0km az=148.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=18.4km s-min=11.9km az=87.0.
ISC III 24 23 50 54.1–.99 3.10S–.07 129.00E–.06 33 20 0-64
IDC III 24 23 50 50.5–2.0 3.19S 129.08E 0 3.9,3.8L ¶610543622
DJA III 24 23 50 52.7–.40 3S–3.0 129E–2.0 12–4 5.8b,5.4
ISC Event type ke.
ISC III 25 13 57 37.8–.68 3.73S–.06 127.46E–.04 35 3.7b 37 1-86
IDC III 25 13 57 33.7–1.2 3.82S 127.46E 0 4.0,3.9L ¶610543646
DJA III 25 13 57 36.7–.30 4S–3.0 127E–2.0 10 4.9b,4.6b
NEIC III 25 13 57 37.1–2.8 3.86S–.07 127.3E–.10 38–15 4.1b,4.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 26 01 38 59.6–.70 3.13S–.06 129.05E–.05 33 3.8b 24 0-127
IDC III 26 01 38 55.4–1.1 3.10S 128.76E 0 4.0L,3.9 ¶610543691
DJA III 26 01 38 58.7–.40 3S–4.0 129E–2.0 14–4 4.5b,4.1
ISC Event type ke.
DJA III 29 16 18 09.3–1.1 3S–9.0 128E–6.0 10 2.0,2.0
¶610543942
ISC III 30 17 48 36.7–.87 3.36S–.08 130.89E–.05 30 3.6b 14 1-66
IDC III 30 17 48 32.9–1.4 3.80S 129.49E 0 3.6,3.6b ¶610544005
DJA III 30 17 48 34.0–.30 3S–5.0 131E–2.0 10 4.1b,3.8
ISC Event type ke.
ISC III 30 22 22 38.0–1.5 3.5S–.20 130.9E–.10 30 5 2-66
DJA III 30 22 22 33.2–1.4 3S–15 131E–4.0 10 3.2,3.2 ¶610544014
IDC III 30 22 22 35.4–2.8 3.60S 130.27E 0 3.2,3.1b
ISC Event type ke.
IDC Error ellipse: s-maj=175.4km s-min=31.5km az=70.0.
ISC IV 06 00 19 49.9–.79 3.38S–.09 128.83E–.05 10 12 0-65
IDC IV 06 00 19 48.6–1.6 3.66S 128.07E 0 3.7,3.7b ¶610652038
DJA IV 06 00 19 49.8–.30 3S–3.0 129E–2.0 10 4.3b,4.0
ISC Event type ke.
ISC IV 08 00 52 29.8–.91 3.99S–.08 128.69E–.06 150 18 1-65
IDC IV 08 00 52 16.3–3.0 4.17S 127.58E 0 3.6L,3.5 ¶610652192
DJA IV 08 00 52 31.1–.40 4S–3.0 129E–3.0 117–4 6.5b,6.2
ISC Event type ke.
ISC IV 09 14 07 20.4–1.1 3.9S–.10 129.3E–.10 10 6 1-65
IDC IV 09 14 07 19.4–2.7 3.84S 128.94E 0 3.3,3.2b ¶610652303
DJA IV 09 14 07 20.8–1.4 4S–11 129E–4.0 16–11 3.1,3.1
ISC Event type ke.
ISC IV 10 14 34 29.8–.66 3.49S–.05 127.20E–.05 101–6 4.1b 68 0-125
DJA IV 10 14 34 30.8–.20 3S–2.0 127E–1.0 85–3 4.9b,4.6b ¶610525133
NEIC IV 10 14 34 30.2–1.1 3.50S–.06 127.22E–.08 91–7 4.4b,4.6b
IDC IV 10 14 34 34.5–3.4 3.58S 126.89E 153–34 4.1,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=8.1km az=97.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=27.5km s-min=12.5km az=68.0.
ISC IV 12 01 00 48.3–.43 3.01S–.05 129.47E–.05 28 4.4b 77 1-150
IDC IV 12 01 00 44.3–.67 3.01S 129.60E 0 4.2,4.2b ¶610526871
DJA IV 12 01 00 48.4–.60 3S–4.0 129E–2.0 13–6 5.3b,4.8b
NEIC IV 12 01 00 51.3–2.5 3.08S–.08 129.54E–.08 56–7 4.3b,4.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 16 21 30 21.3–.33 3.40S–.04 127.35E–.05 50 4.5b,3.2s 188 0-150
DJA IV 16 21 30 23.4–.10 3S–2.0 127E–1.0 53–3 5.1b,4.8 ¶610528989
NEIC IV 16 21 30 23.9–1.4 3.39S–.07 127.41E–.07 76–8 4.5b,4.8
IDC IV 16 21 30 24.8–1.9 3.48S 127.26E 90–16 4.5,4.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=9.6km az=53.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=18.5km s-min=7.4km az=75.0.
ISC IV 17 19 11 41.6–2.0 3.3S–.20 130.6E–.70 10 7 1-66
IDC IV 17 19 11 36.4–6.0 2.90S 132.06E 0 3.6L,3.5 ¶610652943
ISC Event type ke.
IDC Error ellipse: s-maj=391.6km s-min=30.6km az=74.0.
IDC IV 18 02 33 44.5–1.9 3.89S 127.97E 0 3.3,3.3b
¶610652962
IDC Error ellipse: s-maj=171.3km s-min=29.8km az=73.0.
ISC IV 19 14 01 55.1–.83 3.34S–.07 127.36E–.05 10 16 0-64
IDC IV 19 14 01 50.7–2.2 2.81S 128.46E 0 3.8,3.7L ¶610653052
DJA IV 19 14 01 56.8–.30 3S–3.0 127E–2.0 10 5.0b,4.3b
ISC Event type ke.
ISC IV 27 11 43 36.8–.78 2.73S–.07 129.53E–.04 35 4.0b 28 1-74
IDC IV 27 11 43 31.4–1.3 2.59S 129.99E 0 4.2L,4.0 ¶610650128
DJA IV 27 11 43 37.2–.40 3S–3.0 130E–2.0 79–10 4.5b,4.5b
ISC Event type ke.
ISC IV 28 05 43 36.2–.84 2.88S–.06 129.99E–.05 25 4.0b 17 1-65
IDC IV 28 05 43 32.4–1.5 2.95S 130.04E 0 4.0,4.0b ¶610650196
DJA IV 28 05 43 36.1–.50 3S–3.0 130E–2.0 14–5 4.2b,4.0
ISC Event type ke.
ISC IV 28 22 02 06.7–.96 3.98S–.05 129.97E–.06 35 14 1-69
IDC IV 28 22 02 02.0–1.4 4.05S 129.74E 0 4.1,4.1b ¶610650259
DJA IV 28 22 02 06.6–.90 4S–8.0 130E–3.0 20–14 3.8,3.8
ISC Event type ke.
ISC V 04 05 06 43.8–.67 3.03S–.06 128.86E–.05 33 4.0b 36 0-150
DJA V 04 05 06 42.9–.20 3S–2.0 129E–2.0 10 5.0b,4.5b ¶610689523
IDC V 04 05 06 46.0–2.3 3.11S 129.02E 62–24 4.2,4.2L
ISC Event type ke.
IDC Error ellipse: s-maj=20.1km s-min=13.4km az=86.0.
ISC V 09 09 03 36.3–1.0 3.56S–.05 128.89E–.04 15–7 4.5b 55 0-127
IDC V 09 09 03 34.7–1.0 3.59S 128.70E 0 4.4L,4.3 ¶610689886
DJA V 09 09 03 38.1–.20 3S–2.0 129E–2.0 10 5.2b,4.8b
NEIC V 09 09 03 42.5–1.8 3.67S–.05 129.05E–.07 68–9 4.3b,4.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DJA V 09 15 42 15.6–.60 4S–4.0 129E–3.0 121–8 5.3b,4.7
¶615346376
ISC V 13 17 15 03.7–.64 2.98S–.05 130.37E–.05 10 4.4b 50 1-83
NEIC V 13 17 15 05.0–1.5 3.03S–.04 130.25E–.08 10–1 4.2b ¶610690207

DJA V 13 17 15 06.4–.30 3S–3.0 130E–3.0 10 3.8,3.8
IDC V 13 17 15 11.1–4.1 2.94S 130.79E 79–46 3.9,3.8L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.9km s-min=6.1km az=108.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=81.7km s-min=13.2km az=77.0.
ISC V 14 16 23 41.7–.68 2.83S–.05 129.08E–.06 33 4.0b,3.0s 20 1-67
IDC V 14 16 23 36.7–.87 2.98S 128.99E 0 4.0L,3.8 **¶610690287**
DJA V 14 16 23 40.9–.20 3S–2.0 129E–3.0 10 4.4b,4.1
ISC Event type ke.
ISC V 15 12 58 40.5–.85 3.06S–.05 128.93E–.06 33 3.8b 14 0-69
DJA V 15 12 58 39.9–.50 3S–3.0 129E–3.0 11–4 4.4b,3.9 **¶610690339**
IDC V 15 12 58 46.5–4.3 3.05S 129.40E 102–46 3.7,3.4b
ISC Event type ke.
IDC Error ellipse: s-maj=48.7km s-min=14.7km az=75.0.
IDC V 26 22 40 19.1–2.1 3.18S 128.04E 0 3.5,3.3b
¶610685458
IDC Error ellipse: s-maj=56.8km s-min=29.5km az=60.0.
ISC V 31 03 42 03.1–.73 2.89S–.07 130.07E–.05 25 3.9b 16 1-65
IDC V 31 03 41 59.0–1.6 2.81S 130.26E 0 4.0,3.9b **¶610685761**
DJA V 31 03 42 02.8–.80 3S–4.0 130E–2.0 15–7 3.8,3.8
ISC Event type ke.
ISC VI 01 23 45 38.0–.34 2.86S–.04 130.04E–.05 25 4.6b,3.7s 126 1-158
IDC VI 01 23 45 33.9–.48 2.92S 130.14E 0 4.4,4.3b **¶610659582**
NEIC VI 01 23 45 38.8–1.6 2.84S–.07 130.11E–.02 30–5 4.6b,4.3b
DJA VI 01 23 45 38.7–.60 3S–2.0 130E–2.0 29–5 5.4b,4.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 02 11 13 14.5–.68 3.91S–.04 129.24E–.05 40–7 4.8b,3.6s 456 1-154
BJI VI 02 11 13 07.8–.00 4.25S 129.54E 24 4.9b,4.8b **¶610659615**
NEIC VI 02 11 13 11–3.0 3.86S–.05 129.23E–.05 10–1 4.9b,4.8b
GCMT VI 02 11 13 12.0–.40 3.83S–.02 129.08E–.04 14–1 4.7W,4.8b
DJA VI 02 11 13 12.6–.20 4S–2.0 129E–2.0 10 5.3b,5.0b
IDC VI 02 11 13 17.4–2.3 3.97S 129.19E 58–20 5.0L,4.6
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=8.5km az=305.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s14,c14; s69,c92;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}1.24±.14 $M_{\theta\theta}$-1.23±.08; $M_{\phi\phi}$0.00±.09; $M_{r\theta}$-0.41±.15; $M_{\theta\phi}$0.39±.05; $M_{\phi r}$-1.06±.27; Best double couple: NP1:ϕ_s257.00000°,δ56.00000°,λ51.00000°. NP2:ϕ_s133.00000°,δ50.00000°,λ133.00000°. Principal axes: T 1.9410,Plg58.0000° ,Azm109.0000°; N -0.5880,Plg32.0000°,Azm282.0000°; P -1.3500,Plg3.0000°,Azm14.0000° $M_0$1.64600×10^{16}
IDC Error ellipse: s-maj=17.6km s-min=11.3km az=69.0.
IDC VI 04 17 16 34.0–1.9 3.22S 128.14E 0 3.4,3.4b
¶610791246
IDC Error ellipse: s-maj=137.3km s-min=28.3km az=73.0.
ISC VI 06 00 52 39.2–.84 3.93S–.08 128.90E–.06 100 21 1-65
IDC VI 06 00 52 25.4–2.7 3.34S 129.62E 0 4.2L,3.9 **¶610791309**
NEIC VI 06 00 52 39.6–2.7 3.9S–.10 128.9E–.10 114–24 4.0b,3.9
DJA VI 06 00 52 42.1–.60 4S–6.0 129E–4.0 101–5 3.9,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VI 07 02 28 17.6–2.3 3.87S 129.94E 0 3.4,3.4b
¶610791370
IDC Error ellipse: s-maj=143.2km s-min=27.1km az=70.0.
DJA VI 10 01 46 45.8–.30 3S–2.0 128E–2.0 10 4.0b,3.8
¶615347544
ISC VI 11 02 55 06.3–.64 2.67S–.05 129.37E–.05 10 4.3b,3.3s 29 1-79
IDC VI 11 02 55 09.4–.95 3.12S 129.24E 0 4.4L,4.2 **¶610791635**
NEIC VI 11 02 55 11.1–2.3 2.78S–.06 129.07E–.08 35–10 4.3b,4.2
DJA VI 11 02 55 14.2–.90 3S–3.0 129E–2.0 17–9 5.0b,4.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DJA VI 17 18 24 37.8–.40 4S–5.0 129E–4.0 120–6 4.5b,4.0
¶615348236
ISC VI 23 18 36 53.5–.73 2.75S–.06 129.54E–.06 28 4.1b 38 1-79
IDC VI 23 18 36 50.2–1.6 2.88S 129.45E 0 3.9,3.8b **¶610789353**
NEIC VI 23 18 36 54.7–2.0 2.82S–.08 129.55E–.08 40–6 4.0b,3.8b
DJA VI 23 18 36 54.4–1.0 3S–4.0 130E–2.0 13–9 3.6,3.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 24 00 24 52.8–3.4 3.38S–.10 128.82E–.05 12–25 13 0-65
IDC VI 24 00 24 51.1–1.2 3.38S 128.82E 0 3.8,3.8L **¶610789367**
DJA VI 24 00 24 54.0–.30 3S–4.0 129E–2.0 10 6.0b,5.6
ISC Event type ke.
ISC VI 24 03 57 30.6–.86 2.87S–.06 129.49E–.05 28 14 1-65
IDC VI 24 03 57 26.8–1.4 3.00S 129.39E 0 3.7,3.7b **¶610789371**
DJA VI 24 03 57 31.8–1.1 3S–5.0 130E–2.0 25–11 4.4b,3.9b
ISC Event type ke.
ISC VI 24 04 24 00.6–.78 2.78S–.06 129.64E–.05 28 4.0b 26 1-77
IDC VI 24 04 23 56.0–1.1 2.83S 129.57E 0 4.2L,4.1 **¶610789373**
DJA VI 24 04 24 01.4–1.5 3S–4.0 130E–2.0 20–15 4.8b,4.4b
ISC Event type ke.
ISC VI 28 21 20 14.6–.89 2.93S–.07 129.87E–.05 25 13 1-90
IDC VI 28 21 20 11.1–1.7 2.89S 129.60E 0 4.0L,3.9 **¶610789671**
DJA VI 28 21 20 16.1–.50 3S–6.0 130E–3.0 51–23 4.3b,3.9
ISC Event type ke.
ISC VI 29 01 58 08.1–.79 3.01S–.06 130.11E–.05 25 15 1-65
IDC VI 29 01 58 04.9–1.4 3.03S 129.85E 0 3.8L,3.7 **¶610789688**
DJA VI 29 01 58 10.6–.50 3S–4.0 130E–3.0 35–11 5.5b,4.9
ISC Event type ke.

SEISMIC REGION 24.
Sunda Arc.

(273) Southwest of Sumatera.

ISC I 07 03 38 08.3–.43 6.48S–.07 103.87E–.06 48 4.7b,4.6s 136 1-150
BJI I 07 03 38 07.0–.00 6.45S 103.90E 42 5.2b,4.9s **¶610038907**
DJA I 07 03 38 07.9–.30 6S–3.0 104E–2.0 43–4 6.3,6.3
NEIC I 07 03 38 08.6–1.6 6.36S–.07 103.86E–.07 42–6 4.7b,6.3
IDC I 07 03 38 09.9–.87 6.17S 104.07E 48–6 4.6,4.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=9.5km az=221.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=26.2km s-min=11.2km az=49.0.
ISC I 10 10 34 44.3–1.3 4.7S–.20 94.4E–.20 10 3.6b 9 9-78
IDC I 10 10 34 42.5–1.4 4.77S 94.23E 0 3.8L,3.7 **¶610237076**
ISC Event type ke.
IDC Error ellipse: s-maj=42.1km s-min=23.2km az=51.0.
ISC I 26 13 50 38.4–.88 0.36S–.06 96.91E–.08 21 4.4b 50 1-145
IDC I 26 13 50 36.8–3.0 0.25S 96.88E 0 4.1,4.1b **¶610235388**
DJA I 26 13 50 39.3–.40 0S–2.0 97E–3.0 48–18 5.5b,5.0
NEIC I 26 13 50 40.5–1.9 0.30S–.08 97.1E–.20 27–7 4.7b,5.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC II 04 07 41 51.1–13 5.73S 94.32E 0 3.8,3.8b
¶610414796
IDC Error ellipse: s-maj=304.3km s-min=124.6km az=150.0.
ISC II 14 13 42 49.1–1.6 4.6S–.10 94.38E–.10 35 3.2b 13 6-71
IDC II 14 13 42 49.7–1.8 3.64S 94.23E 0 3.5,3.4b **¶610415504**
DJA II 14 13 42 56.1–.90 4S–5.0 95E–6.0 10 5.4b,5.1
ISC Event type ke.
DJA II 16 10 29 24.8–1.6 7S–4.0 104E–4.0 28–18 4.6b,4.2
¶615345636
ISC II 17 16 58 34.8–.72 1.37S–.06 97.48E–.09 35 4.1b 52 2-146
IDC II 17 16 58 30.9–1.4 1.54S 97.27E 0 4.0,4.0b **¶610415710**
DJA II 17 16 58 33.9–1.5 1S–3.0 97E–5.0 26–14 5.3b,4.7
NEIC II 17 16 58 34.4–2.4 1.33S–.10 97.5E–.10 32–6 4.4b,4.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 07 15 45 40.8–.33 6.32S–.03 102.18E–.04 21–4 5.6s,5.4b 961 2-174
IDC III 07 15 45 38.2–.39 6.17S 102.30E 0 5.2s,4.9 **¶611831988**
DJA III 07 15 45 38.2–1.1 6S–3.0 102E–2.0 11–7 5.9b,5.7
KLM III 07 15 45 38 6.42S 101.97E 15 5.7b,5.7
MOS III 07 15 45 39.4–1.1 6.17S 102.34E 20 5.6b,5.4s
BJI III 07 15 45 39.0–.00 6.20S 102.30E 10 5.9s,5.8
NEIC III 07 15 45 39.6–1.5 6.26S–.06 102.19E–.07 10–1 5.6,5.6b
NEIC III 07 15 45 39.6 6.54S 101.88E 12 5.6,5.6b
NEIC III 07 15 45 39.6 6.24S 102.18E 12 5.6,5.6b
GCMT III 07 15 45 41.6–.10 6.61S–.01 101.94E–.01 14–0 5.5W,5.6b
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s128.62833°,δ79.98716°,λ120.50300°. NP2: ϕ_s235.07152°,δ31.95334°,λ19.17974°. Principal axes: T Plg46.2952°,Azm69.9242° ; N Plg29.9902°,Azm302.7800°; P Plg28.4911°,Azm194.5257°
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution.Duration: 2s5 Moment tensor: Scale 10^{17}Nm; M_{rr}0.93 $M_{\theta\theta}$-0.57 $M_{\phi\phi}$-0.36 $M_{r\theta}$1.28 $M_{\theta\phi}$0.46 $M_{\phi r}$-1.25 NP1:ϕ_s133.70000°,δ76.28000° ,λ92.50000°. NP2:ϕ_s303.25000°,δ13.94000°,λ79.85000°. Principal axes: T 2.0134,Plg59.0000°,Azm47.0000°; N -0.0032,Plg2.0000°,Azm313.0000° ; P -2.0102,Plg31.0000°,Azm222.0000° $M_0$2.01000×10^{17}
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s121,c192; s124,c217;Duration: 1s3 Moment tensor: Scale 10^{17}Nm; M_{rr}1.05±.03 $M_{\theta\theta}$-0.78±.02; $M_{\phi\phi}$-0.26±.02; $M_{r\theta}$1.29±.07; $M_{\theta\phi}$0.53±.01; $M_{\phi r}$-0.99±.06; Best double couple: NP1:ϕ_s130.00000°,δ73.00000°,λ93.00000°. NP2:ϕ_s297.00000°,δ17.00000°,λ81.00000°. Principal axes: T 1.9240,Plg62.0000° ,Azm41.0000°; N 0.0590,Plg3.0000°,Azm306.0000°; P -1.9840,Plg28.0000°,Azm214.0000° $M_0$1.95400×10^{17}
ISC III 11 05 07 02.3–1.3 5.5S–.20 101.3E–.20 24 4.0b 24 2-64
IDC III 11 05 06 58.1–2.0 5.61S 101.14E 0 3.7,3.7b **¶610545999**
DJA III 11 05 06 59.7–.50 6S–4.0 101E–4.0 10 5.4b,4.9
ISC Event type ke.
ISC III 12 04 40 00.7–3.8 7.12S–.10 104.25E–.09 20–23 3.9b 17 2-57
DJA III 12 04 40 01.4–.90 7S–11 104E–9.0 90–24 4.5b,4.1 **¶610546059**
IDC III 12 04 40 07.3–12 5.88S 104.06E 0 3.9,3.9b
ISC Event type ke.
IDC Error ellipse: s-maj=248.3km s-min=169.1km az=180.0.
ISC III 14 14 52 27.7–.79 6.23S–.10 103.31E–.08 39–4 4.2b 60 1-146
IDC III 14 14 52 23.9–2.2 6.00S 103.47E 0 3.9,3.9b **¶610546206**
NEIC III 14 14 52 26.1–1.4 6.2S–.10 103.24E–.10 21–5 4.3b,3.9b
DJA III 14 14 52 27.2–.90 6S–3.0 103E–3.0 18–9 4.8b,4.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 15 23 56 30.2–1.2 6.43S–.09 102.20E–.09 10 3.9b 22 2-147
IDC III 15 23 56 28.7–3.9 6.43S 102.22E 0 3.7,3.7b **¶610546282**
DJA III 15 23 56 31.5–.50 6S–4.0 102E–4.0 20 5.5b,4.9
ISC Event type ke.
ISC III 19 02 09 28.5–3.2 1.1S–.50 97.6E–.80 10 3.3b 6 26-145
IDC III 19 02 09 27.1–4.6 1.10S 97.61E 0 3.4,3.4b **¶610546486**
ISC Event type ke.
IDC Error ellipse: s-maj=194.9km s-min=24.8km az=56.0.
ISC III 19 23 34 39.8–3.9 3.8S–.50 99.3E–.80 10 3.7b 6 22-147
IDC III 19 23 34 39.0–3.3 3.70S 99.32E 0 3.6,3.6b **¶610546546**
ISC Event type ke.
IDC Error ellipse: s-maj=123.2km s-min=28.8km az=57.0.
ISC IV 03 19 55 15.9–.65 6.40S–.08 103.59E–.06 35 4.5b 93 1-90
IDC IV 03 19 55 11.3–1.2 6.13S 103.87E 0 4.2,4.2b **¶610476577**
NEIC IV 03 19 55 16.8–1.6 6.4S–.10 103.7E–.10 36–4 4.5b,4.2b
DJA IV 03 19 55 18.2–1.1 6S–5.0 104E–4.0 31–19 4.8b,4.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 07 15 02 16.9–3.4 6.5S–.50 102.1E–.80 35 3.6b 7 25-62
IDC IV 07 15 02 11.7–3.6 6.47S 102.04E 0 3.6,3.6b **¶610652165**
ISC Event type ke.
IDC Error ellipse: s-maj=151.9km s-min=18.9km az=55.0.
ISC IV 21 16 09 22.9–1.5 6.5S–.10 103.72E–.10 10 3.7b 10 1-62
IDC IV 21 16 09 20.3–9.8 6.57S 103.76E 0 3.7,3.7b **¶610653210**
DJA IV 21 16 09 24.6–.90 6S–5.0 104E–6.0 10 3.7,3.7
ISC Event type ke.
ISC IV 24 15 11 20.1–.75 0.39S–.06 96.64E–.08 10 4.3b 54 2-145
IDC IV 24 15 11 16.0–1.6 0.81S 95.97E 0 4.3L,3.9 **¶610548739**
DJA IV 24 15 11 19.2–.50 0S–3.0 97E–4.0 10 5.7b,5.2
NEIC IV 24 15 11 24.9–.89 0.15S–.07 96.75E–.07 30–6 4.1b,5.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 24 15 12 26.2–1.5 0.3S–.10 97.1E–.20 21 4.2b,3.2s 15 2-145
IDC IV 24 15 12 22.7–3.4 0.41S 96.89E 0 4.2L,3.9 **¶610649899**
NEIC IV 24 15 12 25.3–2.1 0.2S–.10 96.9E–.10 29–7 4.3b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 07 20 02 21.1–1.1 7.00S–.09 102.00E–.08 10 3.6b,3.2s 29 3-147
IDC V 07 20 02 18.7–2.0 7.32S 101.62E 0 3.7,3.7b **¶610689753**
DJA V 07 20 02 22.6–.50 7S–3.0 102E–3.0 10 5.0b,4.6b
ISC Event type ke.
ISC V 16 03 02 13.6–1.8 6.26S–.10 103.84E–.08 54–18 3.5b 24 1-145
IDC V 16 03 02 05.6–3.7 6.44S 103.67E 0 3.5,3.5b **¶610690377**
DJA V 16 03 02 11.4–.80 6S–3.0 104E–3.0 16–6 5.2b,4.6
ISC Event type ke.
ISC V 27 23 02 41.6–.63 6.93S–.08 103.87E–.07 24 4.1b 46 3-146
NEIC V 27 23 02 42.7–2.9 7.03S–.09 103.71E–.09 33–7 4.2b **¶610685521**
IDC V 27 23 02 47.8–4.8 6.59S 104.21E 61–39 3.9,3.7L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.4km s-min=6.0km az=224.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=37.8km s-min=17.6km az=55.0.
ISC VI 02 17 58 09.7–1.2 3.34S–.08 99.8E–.10 10 3.0b 17 1-146
IDC VI 02 17 58 06.4–4.1 3.64S 99.23E 0 3.2,3.2b **¶610791113**
DJA VI 02 17 58 08.9–.60 3S–3.0 100E–5.0 14–3 4.0,4.0
ISC Event type ke.
ISC VI 12 19 23 05.8–1.6 6.3S–.20 103.5E–.20 35 3.7b 10 4-146
IDC VI 12 19 23 00.6–2.1 6.32S 103.51E 0 3.7,3.7b **¶610791739**
ISC Event type ke.
IDC Error ellipse: s-maj=61.9km s-min=20.3km az=45.0.
ISC VI 28 22 00 38.8–.76 6.30S–.08 103.69E–.07 35 4.0b 44 1-145
IDC VI 28 22 00 33.6–1.4 6.18S 103.70E 0 4.0,4.0b **¶610789674**
DJA VI 28 22 00 36.5–.40 6S–3.0 104E–3.0 10 4.6b,4.4
NEIC VI 28 22 00 40.9–1.3 6.2S–.10 103.8E–.10 46–10 4.1b,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(274) Southern Sumatera.

ISC I 01 13 39 17.2–.85 5.98S–.09 103.57E–.08 35 3.9b 34 1-145
IDC I 01 13 39 10.6–1.9 6.13S 103.15E 0 4.1L,3.8 **¶610236389**
DJA I 01 13 39 18.2–.50 6S–4.0 104E–3.0 10 4.1,4.1
NEIC I 01 13 39 19.0–1.5 5.8S–.10 103.8E–.10 35–2 4.1b,4.1

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 02 09 00 10.6–4.1 3.8S–.70 101.4E–1.0 34 3.7b 6 29-145
IDC I 02 09 00 05.6–4.3 3.79S 101.36E 0 3.6,3.6b **¶610236453**
ISC Event type ke.
IDC Error ellipse: s-maj=188.4km s-min=23.4km az=55.0.
ISC I 02 19 48 00.6–2.1 3.9S–.30 102.4E–.50 50 3.8b 10 22-145
IDC I 02 19 47 52.8–1.9 4.01S 102.14E 0 3.6,3.6b **¶610236509**
ISC Event type ke.
IDC Error ellipse: s-maj=77.5km s-min=19.7km az=60.0.
ISC I 05 15 39 11.8–2.9 5.03S–.08 102.08E–.07 12–17 4.0b 39 1-67
IDC I 05 15 39 09.1–2.6 5.20S 101.87E 0 3.8,3.8b **¶610236779**
NEIC I 05 15 39 11.8–1.7 4.96S–.07 102.05E–.05 10–6 4.2b,3.8b
DJA I 05 15 39 13.7–.70 5S–4.0 102E–4.0 10 3.9,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 06 06 15 54.9–.38 2.79S–.04 101.52E–.05 89–2 4.7b 313 1-175
DJA I 06 06 15 55.3–.20 3S–3.0 101E–3.0 77–3 5.5b,4.9 **¶610010018**
NEIC I 06 06 15 55.8–1.7 2.83S–.07 101.50E–.08 92–7 4.8b,4.9
IDC I 06 06 15 57.2–1.5 2.65S 101.63E 104–13 4.6,4.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=8.6km az=59.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=15.3km s-min=9.0km az=65.0.
ISC I 09 11 28 36.6–.22 1.69S–.03 100.40E–.03 57–1 5.6b,4.8s 1519 1-176
BGR I 09 11 28 24.4 4.09S 101.77E 46–0 5.6b,4.6s **¶610570545**
BJI I 09 11 28 35.1–.00 1.70S 100.32E 67 5.4b,5.3b
NEIC I 09 11 28 36.2–1.9 1.72S–.06 100.35E–.07 44–1 5.6b,5.5
MOS I 09 11 28 36.7–1.1 1.47S 100.49E 65 5.8b,4.7s
DJA I 09 11 28 37.1–.20 2S–2.0 100E–2.0 69–2 5.8,5.7b
IDC I 09 11 28 38.3–.69 1.59S 100.38E 70–5 5.5,5.2b
GCMT I 09 11 28 39.2–.10 1.76S–.01 100.19E–.01 52–0 5.5W,5.2b
KLM I 09 11 28 40 1.54S 100.03E 99 5.6b,5.2b
NEIC I 09 11 28 44.9 1.61S 100.17E 60 5.6b,5.2b
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s272.50559°,δ23.68139°,λ48.93800°. NP2: ϕ_s136.07571°,δ72.37150°,λ106.07135°. Principal axes: T Plg59.5087°,Azm68.7684° ; N Plg15.2977°,Azm311.0894°; P Plg25.6848°,Azm213.5303° Moment Tensor Solution. NP1:ϕ_s315.57828°,δ47.06466°,λ118.86816°. NP2:ϕ_s96.59341°,δ50.12281°,λ62.57484°. Principal axes: T Plg69.2312°,Azm299.8904°; N Plg20.6995°,Azm114.9954°; P Plg1.6219° ,Azm205.6085° Moment Tensor Solution. NP1:ϕ_s168.03020°,δ64.89670°,λ63.33109°. NP2: ϕ_s37.84336°,δ35.98137°,λ133.77161°. Principal axes: T Plg60.7139°,Azm37.5791° ; N Plg23.9814°,Azm180.0593°; P Plg15.7955°,Azm277.2885°
BGR Event type ke.
NEIC Event type se. Error ellipse: s-maj=11.6km s-min=9.4km az=63.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.85 $M_{\theta\theta}$-0.21 $M_{\phi\phi}$-1.64 $M_{r\theta}$0.76 $M_{r\phi}$0.83 $M_{\theta\phi}$-0.30 NP1:ϕ_s139.73000°,δ55.58000°,λ70.93000°. NP2:ϕ_s351.18000°,δ38.78000° ,λ115.49000°. Principal axes: T 2.1019,Plg72.0000°,Azm1.0000°; N 0.0092,Plg16.0000° ,Azm151.0000°; P -2.1111,Plg9.0000°,Azm243.0000° $M_0$2.11000$\times 10^{17}$
MOS Error ellipse: s-maj=7.4km s-min=3.6km az=118.2.
IDC Error ellipse: s-maj=11.9km s-min=9.4km az=46.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s129,c241; s123,c234;Duration: 1^{s}3 Moment tensor: Scale 10^{17}Nm; M_{rr}1.59±.03 $M_{\theta\theta}$-0.79±.02; $M_{\phi\phi}$-0.80±.03; $M_{r\theta}$1.03±.02; $M_{r\phi}$0.87±.02; $M_{\theta\phi}$-0.56±.02; Best double couple: NP1:ϕ_s125.00000°,δ63.00000°,λ81.00000°. NP2:ϕ_s325.00000°,δ28.00000°,λ107.00000°. Principal axes: T 1.9940,Plg71.0000° ,Azm16.0000°; N 0.0280,Plg8.0000°,Azm130.0000°; P -2.0260,Plg18.0000°,Azm222.0000° $M_0$2.01000$\times 10^{17}$
NEIC Event type se. Moment Tensor Solution.Duration: 2^{s}7 Moment tensor: Scale 10^{17}Nm; M_{rr}1.10 $M_{\theta\theta}$-0.71 $M_{\phi\phi}$-0.39 $M_{r\theta}$0.85 $M_{r\phi}$0.84 $M_{\theta\phi}$-0.43 NP1:ϕ_s120.05000°,δ64.02000° ,λ79.91000°. NP2:ϕ_s322.15000°,δ27.75000°,λ109.77000°. Principal axes: T 1.4419,Plg69.0000°,Azm10.0000°; N 0.2762,Plg9.0000°,Azm125.0000° ; P -1.7180,Plg18.0000°,Azm218.0000° $M_0$1.58000$\times 10^{17}$
ISC I 10 14 28 25.5–3.1 0.5S–.40 98.7E–.70 32 3.5b 6 19-55
IDC I 10 14 28 20.4–3.4 0.59S 98.57E 0 4.0L,3.5 **¶610237087**
ISC Event type ke.
IDC Error ellipse: s-maj=135.4km s-min=23.3km az=59.0.
ISC I 12 13 29 09.2–.33 5.25S–.04 102.81E–.04 51–2 5.4b,4.5s 909 1-153
BJI I 12 13 29 01.8–.00 5.91S 102.86E 52 5.3b,5.3b **¶611831554**
MOS I 12 13 29 04.6–.94 4.97S 103.01E 21 5.6b,4.5s
NEIC I 12 13 29 06.3–2.5 5.27S–.05 102.72E–.07 23–3 5.5b,4.5s
DJA I 12 13 29 07.3–.20 5S–2.0 103E–2.0 49–2 6.8,6.1
IDC I 12 13 29 09.7–.42 5.08S 102.93E 47–3 5.2,4.9b
GCMT I 12 13 29 10.3–.20 5.55S–.01 102.69E–.02 50–1 5.1W,4.9b
KLM I 12 13 29 11 5.25S 102.57E 83 5.6b,4.9b
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s133.61438°,δ70.46413°,λ105.90690°. NP2: ϕ_s273.17529°,δ24.99495°,λ52.31654°. Principal axes: T Plg61.3228°,Azm67.4338° ; N Plg14.9690°,Azm308.1706°; P Plg23.8553°,Azm211.3805° Moment Tensor Solution. NP1:ϕ_s92.26687°,δ47.97710°,λ58.66044°. NP2:ϕ_s314.55859°,δ50.61772°,λ119.99249°. Principal axes: T Plg67.2217°,Azm290.4784°; N Plg22.7293°,Azm114.4452°; P Plg1.4156° ,Azm23.8521°
MOS Error ellipse: s-maj=8.3km s-min=4.2km az=113.7.
NEIC Event type se. Error ellipse: s-maj=9.7km s-min=6.6km az=101.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=12.5km s-min=8.1km az=48.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s74,c113; s91,c135;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}4.55±.15 $M_{\theta\theta}$-3.07±.11; $M_{\phi\phi}$-1.48±.12; $M_{r\theta}$2.59±.10; $M_{r\phi}$2.67±.08; $M_{\theta\phi}$-1.50±.10; Best double couple: NP1:ϕ_s123.00000°,δ61.00000°,λ86.00000°. NP2:ϕ_s311.00000°,δ29.00000°,λ97.00000°. Principal axes: T 5.4180,Plg74.0000° ,Azm23.0000°; N 0.4900,Plg3.0000°,Azm125.0000°; P -5.9080,Plg16.0000°,Azm216.0000° $M_0$5.66300$\times 10^{16}$
ISC I 16 00 17 52.4–.83 1.12S–.05 99.79E–.05 57 3.8b 21 1-71
DJA I 16 00 17 51.8–1.0 1S–3.0 100E–4.0 24–8 3.6,3.6 **¶610237463**
IDC I 16 00 17 53.5–5.6 1.08S 99.94E 67–40 3.9L,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=113.1km s-min=17.0km az=55.0.
IDC I 19 17 46 16.4–7.6 3.05S 101.85E 0 3.3,3.3b
¶610237737
IDC Error ellipse: s-maj=400.1km s-min=30.4km az=52.0.
ISC I 24 04 57 35.8–.54 1.81S–.05 99.64E–.05 30 4.3b,3.6s 58 1-145
IDC I 24 04 57 30.8–.96 1.99S 99.44E 0 4.0,4.0b **¶610105982**
NEIC I 24 04 57 34.9–1.6 1.92S–.09 99.5E–.10 25–6 4.5b,4.0b
DJA I 24 04 57 35.2–.30 2S–2.0 100E–2.0 10 5.5b,5.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DJA I 24 20 31 38.3–3.5 4S–7.0 101E–6.0 18–33 4.2b,3.9
¶615345405
ISC I 27 00 08 54.1–.86 1.46S–.05 105.60E–.05 10 3.5b 20 1-57
IDC I 27 00 08 49.8–4.4 2.34S 104.64E 0 3.5,3.5b **¶610235420**
DJA I 27 00 08 54.5–.30 1S–3.0 106E–3.0 10 4.3,4.3
ISC Event type ke.
ISC I 27 22 23 55.7–.54 2.88S–.06 102.83E–.06 226 3.9b 62 1-144
DJA I 27 22 23 54.5–.40 3S–3.0 103E–3.0 241–6 4.7b,4.2 **¶610235513**
IDC I 27 22 23 55.3–2.0 3.04S 102.67E 228–17 4.2,3.6b
NEIC I 27 22 23 56.1–1.2 2.94S–.07 102.7E–.10 226–5 4.1b,3.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 30 13 15 48.6–.49 1.81S–.05 99.02E–.06 35 4.5b,3.5s 123 1-145
IDC I 30 13 15 43.3–.91 1.82S 98.94E 0 4.4,4.4b **¶610148020**
NEIC I 30 13 15 45.5–1.3 1.78S–.02 99.00E–.09 10–1 4.7b,4.4b
DJA I 30 13 15 47.3–.40 2S–3.0 99E–3.0 44–31 5.1b,4.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DJA I 31 06 34 47.7–.40 2S–3.0 103E–3.0 16–4 5.1b,4.7b
¶615345484
ISC II 02 06 34 12.2–.43 5.84S–.05 102.42E–.05 21 4.7b,3.6s 155 2-146
IDC II 02 06 34 09.2–.82 5.81S 102.45E 0 4.4,4.4b **¶610172178**
DJA II 02 06 34 13.9–.40 6S–3.0 102E–3.0 40–5 5.6b,5.2
NEIC II 02 06 34 14.6–1.1 5.81S–.06 102.42E–.07 34–5 4.7b,5.2
KLM II 02 06 34 14 5.90S 102.19E 54 5.2b,5.2
ISC Event type se.
IDC Error ellipse: s-maj=30.4km s-min=12.7km az=45.0.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=8.6km az=99.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 03 18 07 38.0–.60 2.79S–.05 102.27E–.05 171–5 4.1b 106 0-144
IDC II 03 18 07 37.7–1.7 2.78S 102.33E 165–14 4.1,3.7s **¶610414754**
NEIC II 03 18 07 37.7–1.3 2.81S–.04 102.20E–.06 165–7 4.3b,3.7s
DJA II 03 18 07 38.4–.40 3S–3.0 102E–3.0 157–4 4.9b,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 11 15 52 30.9–.78 2.5S–.10 99.6E–.10 32 4.3b 31 4-145
IDC II 11 15 52 27.5–1.2 2.44S 99.65E 0 4.1,4.1b **¶610415324**
NEIC II 11 15 52 31.2–2.1 2.5S–.10 99.5E–.10 35–9 4.4b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 12 00 20 39.2–.80 4.96S–.06 102.93E–.05 63–7 4.6b 128 1-145
DJA II 12 00 20 38.6–.60 5S–3.0 103E–2.0 23–5 4.6b,4.6 **¶610208498**
NEIC II 12 00 20 40.0–1.2 4.84S–.07 102.91E–.04 64–6 4.6b,4.6
IDC II 12 00 20 41.3–3.5 4.77S 103.04E 76–30 4.4,4.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=2.5km az=208.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=28.9km s-min=12.6km az=53.0.
ISC II 16 08 11 46.7–.85 1.49S–.08 102.04E–.10 250 3.3b 19 1-143
IDC II 16 08 11 47.0–13 1.67S 102.06E 253–118 3.6,3.0b **¶610415618**
DJA II 16 08 11 47.9–.50 1S–4.0 102E–5.0 231–5 4.8b,4.1
ISC Event type ke.
ISC II 17 09 23 42.3–1.2 4.29S–.10 102.25E–.08 35 3.5b 12 1-145
DJA II 17 09 23 43.7–1.0 4S–7.0 102E–6.0 26–8 4.2b,3.9 **¶610415679**
IDC II 17 09 23 56.0–14 4.07S 101.74E 161–127 3.4,2.9b
ISC Event type ke.
IDC Error ellipse: s-maj=179.5km s-min=27.1km az=56.0.
ISC II 21 19 23 01.1–.61 5.12S–.06 104.52E–.05 131–5 4.1b 75 0-144
NEIC II 21 19 23 02.4–1.8 4.87S–.10 104.62E–.06 139–7 4.3b **¶610384765**
IDC II 21 19 23 03.5–2.3 4.86S 104.79E 138–14 3.9,3.4b
DJA II 21 19 23 03.1–.20 5S–3.0 105E–3.0 105–3 5.0b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 23 04 38 28.9–.62 4.17S–.10 102.83E–.08 100 4.1b 53 0-145
IDC II 23 04 38 15.5–1.5 4.34S 102.43E 0 4.4L,4.1 **¶610384848**
DJA II 23 04 38 28.6–.30 4S–4.0 103E–3.0 102–3 5.2b,4.5
NEIC II 23 04 38 28.6–.96 3.8S–.10 102.9E–.10 81–10 4.2b,4.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 23 16 56 56.2–1.1 1.73S–.05 99.73E–.07 30 3.1b 13 1-51
IDC II 23 16 56 49.8–10 2.13S 99.35E 0 3.2,3.2b **¶610384885**
DJA II 23 16 56 55.0–.40 2S–2.0 100E–4.0 10 4.0,4.0
ISC Event type ke.
ISC II 26 15 21 59.6–.28 4.18S–.03 102.06E–.03 49–2 5.3b,4.1s 989 1-175
BJI II 26 15 21 55.4–.00 4.73S 102.08E 70 5.4b,5.0b **¶610241365**
MOS II 26 15 21 57.5–.99 3.90S 102.27E 38 5.6b,5.0b
DJA II 26 15 22 00.1–.20 4S–2.0 102E–2.0 52–2 5.5b,5.4
NEIC II 26 15 22 00.0–2.5 4.21S–.07 102.02E–.06 43–4 5.4b,5.4
IDC II 26 15 22 02.8–1.2 4.03S 102.25E 71–9 5.2,5.0b
GCMT II 26 15 22 03.0–.30 4.33S–.02 101.81E–.02 54–1 4.9W,5.0b
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s133.16476°,δ62.63067°,λ100.26348°. NP2: ϕ_s291.66669°,δ29.09065°,λ71.00729°. Principal axes: T Plg70.5583°,Azm65.4067° ; N Plg9.1042°,Azm308.4063°; P Plg17.0276°,Azm215.5932°
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s39,c50; s87,c115;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.32±.14 $M_{\theta\theta}$-1.24±.10; $M_{\phi\phi}$-1.08±.14; $M_{r\theta}$1.24±.08; $M_{r\phi}$1.80±.07; $M_{\theta\phi}$-0.62±.08; Best double couple: NP1:ϕ_s124.00000°,δ59.00000°,λ78.00000°. NP2:ϕ_s326.00000°,δ33.00000°,λ109.00000°. Principal axes: T 2.7100,Plg73.0000° ,Azm4.0000°; N 0.5680,Plg10.0000°,Azm130.0000°; P -3.2790,Plg13.0000°,Azm222.0000° $M_0$2.99400$\times 10^{16}$
ISC II 27 17 38 44.1–.69 2.47S–.05 100.71E–.06 50 3.9b 36 1-145
IDC II 27 17 38 36.9–1.6 2.61S 100.51E 0 3.8s,3.8 **¶610385144**
DJA II 27 17 38 44.5–.50 2S–3.0 101E–3.0 24–5 4.3b,4.1
NEIC II 27 17 38 45.4–1.9 2.3S–.10 100.9E–.10 59–10 4.1b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 28 11 57 31.8–.86 3.19S–.08 101.60E–.06 50 3.6b 23 1-59
IDC II 28 11 57 21.7–3.7 3.51S 101.25E 0 3.6,3.6b **¶610385203**
DJA II 28 11 57 33.5–.30 3S–3.0 102E–3.0 67–6 4.4b,4.1
ISC Event type ke.
ISC III 03 03 43 08.4–.54 2.77S–.06 100.98E–.05 50 4.3b 55 1-145
IDC III 03 03 43 02.0–1.0 2.68S 100.95E 0 4.2,4.2b **¶610545425**
NEIC III 03 03 43 07.2–1.1 2.91S–.09 101.0E–.10 49–8 4.4b,4.2b
DJA III 03 03 43 10.2–.50 3S–3.0 101E–3.0 32–7 4.3,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC III 03 14 11 27.6–3.0 0.11S 98.79E 0 3.5,3.5b
¶610545460
IDC Error ellipse: s-maj=101.3km s-min=25.0km az=62.0.
ISC III 04 05 37 23.1–.97 1.86S–.05 100.1E–.10 34 4.0b 14 1-145
IDC III 04 05 37 20.2–3.6 1.46S 100.84E 0 3.6,3.6b **¶610545497**
DJA III 04 05 37 24.0–.60 2S–3.0 100E–6.0 10 3.8,3.8
ISC Event type ke.
ISC III 08 08 43 50.4–.96 0.30S–.08 98.66E–.08 50 4.0b 17 0-55
IDC III 08 08 43 43.7–3.2 0.45S 98.57E 0 4.5L,3.8 **¶610545790**
DJA III 08 08 43 50.4–.60 0S–5.0 99E–6.0 53–16 4.0,4.0
ISC Event type ke.
ISC III 12 01 24 44.5–1.4 4.67S–.08 101.93E–.08 46–14 3.9b 42 1-146
IDC III 12 01 24 37.8–4.2 4.73S 101.86E 0 3.6,3.6b **¶610546051**
DJA III 12 01 24 42.1–.80 5S–3.0 102E–3.0 12–6 6.3b,6.0
ISC Event type ke.
ISC III 12 01 26 28.2–.65 4.73S–.05 102.57E–.04 60–5 4.7b,3.2s 193 1-150
IDC III 12 01 26 20.3–.65 4.67S 102.59E 0 4.5,4.5b **¶610325550**
DJA III 12 01 26 28.2–.30 5S–3.0 103E–2.0 41–4 8.8,8.2
NEIC III 12 01 26 28.3–1.3 4.67S–.07 102.58E–.06 54–3 4.6b,8.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC III 13 02 57 39.3–6.2 2.46S 102.33E 0 3.5,3.5b
¶610546110
IDC Error ellipse: s-maj=336.6km s-min=30.3km az=52.0.
ISC III 15 13 53 41.2–.96 1.9S–.10 99.0E–.10 10 4.0b 14 1-145
IDC III 15 13 53 39.1–2.0 2.00S 98.75E 0 3.8,3.8b **¶610546252**
DJA III 15 13 53 41.4–.90 2S–6.0 99E–9.0 10 3.7,3.7
ISC Event type ke.
ISC III 17 22 23 02.4–1.8 5.96S–.06 102.94E–.06 25–13 4.3b 48 1-146
IDC III 17 22 22 59.5–2.4 5.85S 103.06E 0 4.1,4.1b **¶610546417**

NEIC III 17 22 23 00.6–1.9 5.98S–.05 102.94E–.09 10–1 4.5b,4.1b
DJA III 17 22 23 02.9–1.2 6S–4.0 103E–3.0 17–13 4.7b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 19 17 11 17.1–.54 2.13S–.05 100.57E–.05 56 4.2b 55 1-145
IDC III 19 17 11 10.1–1.1 2.20S 100.47E 0 4.0,4.0b **¶610546524**
DJA III 19 17 11 17.0–.70 2S–2.0 101E–2.0 16–7 6.0,6.0
NEIC III 19 17 11 18.8–1.4 2.10S–.09 100.53E–.07 79–8 4.2b,6.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 20 22 05 08.4–.98 2.04S–.06 99.58E–.07 35 3.4b 16 1-145
IDC III 20 22 05 06.0–3.9 1.56S 100.33E 0 3.4,3.4b **¶610543359**
DJA III 20 22 05 07.8–1.1 2S–4.0 100E–5.0 19–15 5.6b,5.1
ISC Event type ke.
DJA III 22 08 44 08.2–.60 2S–3.0 102E–4.0 143–5 5.4b,5.2b ¶615345973
ISC III 23 07 24 51.4–.61 4.77S–.09 104.92E–.08 100 3.9b 21 0-145
IDC III 23 07 24 37.0–.97 5.26S 104.03E 0 4.0,4.0b **¶610543517**
DJA III 23 07 24 55.4–.80 5S–7.0 105E–6.0 97–8 3.5,3.5
ISC Event type ke.
ISC III 24 08 18 14.0–1.1 1.72S–.07 99.76E–.08 33 3.5b 11 1-145
DJA III 24 08 18 14.3–1.0 2S–4.0 100E–5.0 11–9 3.5,3.5 **¶615345985**
IDC III 24 08 18 47.4–23 0.17N 102.57E 289–247 3.5,2.8b
ISC Event type ke.
IDC Error ellipse: s-maj=270.4km s-min=24.7km az=55.0.
ISC III 24 14 40 20.5–2.3 0.4S–.20 98.6E–.50 32 4.0b 9 19-55
IDC III 24 14 40 15.7–2.1 0.43S 98.58E 0 4.4L,3.9 **¶610543603**
ISC Event type ke.
IDC Error ellipse: s-maj=70.7km s-min=17.8km az=63.0.
ISC III 29 21 31 45.0–1.2 4.68S–.08 102.14E–.07 37 3.4b 15 1-145
IDC III 29 21 31 41.6–4.7 4.27S 102.08E 0 3.4,3.4b **¶610543957**
DJA III 29 21 31 45.5–.80 5S–3.0 102E–4.0 30–7 3.7,3.7
ISC Event type ke.
ISC III 30 08 51 08.1–.51 4.36S–.05 102.40E–.05 55–4 4.8b 201 1-148
NEIC III 30 08 51 08.8–1.3 4.36S–.07 102.37E–.06 58–6 5.0b **¶610452512**
DJA III 30 08 51 09.2–.20 4S–2.0 102E–2.0 60 5.2b,5.2
IDC III 30 08 51 12.8–3.1 4.21S 102.51E 94–25 4.6,4.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=7.6km az=206.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=18.2km s-min=9.2km az=43.0.
IDC III 31 03 00 06.2–2.0 4.30S 102.26E 0 3.4,3.4b ¶610544021
IDC Error ellipse: s-maj=115.9km s-min=27.0km az=44.0.
ISC III 31 03 06 54.0–2.0 4.51S–.07 101.99E–.06 10–12 3.9b 22 1-145
IDC III 31 03 06 51.5–1.6 4.76S 101.75E 0 3.9,3.9b **¶610544023**
DJA III 31 03 06 58.4–.80 5S–4.0 102E–3.0 14–4 4.5b,4.2
ISC Event type ke.
ISC III 31 03 49 16.0–.40 4.41S–.04 102.15E–.04 47–2 4.8b,3.6s 230 1-150
IDC III 31 03 49 09.8–.56 4.41S 102.13E 0 4.6,4.6L **¶610460791**
NEIC III 31 03 49 16.0–1.5 4.41S–.07 102.11E–.05 45–6 4.8b,4.6L
DJA III 31 03 49 16.2–.30 5S–3.0 102E–2.0 48–3 5.5b,5.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 02 13 55 14.2–.28 3.08S–.03 101.53E–.03 66–2 5.1b 1099 1-156
BJI IV 02 13 55 09.4–.00 3.55S 101.30E 65 4.9b,4.8b **¶614428719**
KLM IV 02 13 55 10 3.47S 101.50E 10 5.3b,4.8b
MOS IV 02 13 55 13.0–1.1 2.91S 101.59E 61 5.4b,4.8b
DJA IV 02 13 55 13.7–.10 3S–1.0 101E–1.0 55 5.6,5.6b
NEIC IV 02 13 55 14.7–1.9 3.04S–.07 101.54E–.06 57–4 5.3b,5.6b
GCMT IV 02 13 55 15.7–.30 3.12S–.02 101.39E–.02 17–0 5.2W,5.6b
IDC IV 02 13 55 17.3–1.0 3.00S 101.63E 86–8 5.0,4.7b
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s157.35513°,δ11.94688°,λ-114.26618°. NP2: ϕ_s2.09480°,δ79.12220°,λ-85.03021°. Principal axes: T Plg33.9417°,Azm87.8603° ; N Plg4.8803°,Azm181.1546°; P Plg55.6121°,Azm278.3213°
MOS Error ellipse: s-maj=7.3km s-min=3.7km az=120.5.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=7.8km az=221.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s34,c43; s80,c111;Duration: 1s0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.26±.10 $M_{\theta\theta}$0.16±.08; $M_{\phi\phi}$0.09±.08; $M_{r\theta}$2.06±.24; $M_{\theta\phi}$0.45±.06; $M_{\phi r}$-7.47±.54; Best double couple: NP1:ϕ_s345.00000°,δ90.00000°,λ-93.00000°. NP2:ϕ_s250.00000°,δ3.00000°,λ-5.00000°. Principal axes: T 7.5650,Plg45.0000° ,Azm78.0000°; N 0.3850,Plg3.0000°,Azm345.0000°; P -7.9510,Plg45.0000°,Azm252.0000° $M_0$7.75800×10^{16}
IDC Error ellipse: s-maj=8.4km s-min=6.1km az=41.0.
ISC IV 03 13 09 28.7–1.2 3.56S–.05 102.51E–.06 17–8 3.6b 18 0-59
IDC IV 03 13 09 27.4–2.6 3.40S 102.80E 0 3.8,3.8b **¶610651842**
DJA IV 03 13 09 29.7–.20 3S–2.0 103E–2.0 10 4.6b,4.2
ISC Event type ke.
ISC IV 07 04 41 32.8–.85 3.41S–.09 101.87E–.09 71 4.0b 30 0-145
IDC IV 07 04 41 22.2–3.0 3.53S 101.61E 0 4.0,4.0b **¶610652124**
DJA IV 07 04 41 33.8–.30 3S–3.0 102E–3.0 58–4 5.4b,4.8
ISC Event type ke.
ISC IV 10 10 58 08.3–1.1 3.2S–.10 103.0E–.10 200 3.5b 19 1-46
IDC IV 10 10 57 11.0–31 1.38S 98.70E 0 3.7,3.7b **¶615346129**
DJA IV 10 10 58 07.2–.30 3S–5.0 103E–5.0 194–4 4.0,4.0
ISC Event type ke.
ISC IV 10 15 46 40.6–.83 0.83S–.07 99.86E–.06 100 3.6b 22 1-144
IDC IV 10 15 46 29.8–3.0 0.73S 100.03E 0 3.6,3.6b **¶610652394**
DJA IV 10 15 46 40.6–.30 1S–3.0 100E–3.0 62–7 3.9b,3.9
ISC Event type ke.
ISC IV 13 17 03 04.4–.95 1.99S–.09 100.49E–.08 56 4.1b 24 1-144
IDC IV 13 17 02 58.1–3.6 1.79S 100.70E 0 4.5s,3.7 **¶610652647**
NEIC IV 13 17 03 04.3–1.8 2.11S–.03 100.56E–.09 59–9 4.6b,3.7
DJA IV 13 17 03 12.0–.40 1S–3.0 101E–3.0 14–6 3.8,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 15 00 59 47.6–1.1 4.75S–.09 102.4E–.10 35 3.6b 14 1-145
IDC IV 15 00 59 40.7–3.8 4.95S 102.42E 0 3.5,3.5b **¶610652768**
DJA IV 15 00 59 50.0–.60 5S–4.0 102E–4.0 10 3.7,3.7
ISC Event type ke.
DJA IV 16 19 52 09.3–.90 2S–3.0 99E–3.0 15–7 3.8b,3.7 ¶615346179
ISC IV 19 14 35 07.3–.46 2.00S–.04 102.67E–.04 316–4 4.4b 294 1-160
DJA IV 19 14 35 06.9–.10 2S–2.0 103E–2.0 310–2 4.8b,4.7 **¶610537717**
NEIC IV 19 14 35 07.1–1.9 1.99S–.06 102.61E–.04 306–6 4.5b,4.7
IDC IV 19 14 35 07.9–.80 1.91S 102.71E 317–7 4.7,4.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=4.5km az=152.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=11.6km s-min=7.3km az=73.0.
ISC IV 21 04 00 29.7–.31 2.15S–.03 99.63E–.04 31–1 5.2b,4.7s 663 1-158
IDC IV 21 04 00 25.8–.51 2.07S 99.70E 0 4.9,4.9b **¶610546706**
MOS IV 21 04 00 26.8–1.1 2.11S 99.74E 21 5.4b,4.7s
BJI IV 21 04 00 27.9–.00 2.29S 99.87E 38 5.3b,5.1b
DJA IV 21 04 00 29.8–.30 2S–2.0 100E–2.0 37–2 5.6b,5.6
NEIC IV 21 04 00 30.0–1.7 2.16S–.06 99.63E–.07 30–3 5.2b,5.6
KLM IV 21 04 00 30 2.26S 99.55E 68 5.3b,5.6
GCMT IV 21 04 00 33.0–.20 2.19S–.02 99.44E–.02 35–0 5.1W,5.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s78,c105; s83,c117;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}4.71±.18 $M_{\theta\theta}$-2.28±.12; $M_{\phi\phi}$-2.43±.14; $M_{r\theta}$2.46±.17; $M_{\theta\phi}$2.47±.09; $M_{\phi r}$-2.87±.21; Best double couple: NP1:ϕ_s138.00000°,δ64.00000°,λ92.00000°. NP2:ϕ_s314.00000°,δ26.00000°,λ86.00000°. Principal axes: T 6.0300,Plg71.0000° ,Azm52.0000°; N 0.1090,Plg2.0000°,Azm317.0000°; P -6.1390,Plg19.0000°,Azm227.0000° $M_0$6.08500×10^{16}
ISC IV 24 03 43 08.5–1.4 4.9S–.10 102.8E–.10 50–12 4.3b,3.6s 65 1-145
IDC IV 24 03 43 01.7–1.3 4.80S 102.79E 0 4.0,4.0b **¶610649854**
DJA IV 24 03 43 08.5–.60 5S–4.0 103E–4.0 26–5 4.8b,4.6
NEIC IV 24 03 43 09.5–1.4 4.8S–.10 102.8E–.10 57–8 4.4b,4.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 24 12 32 30.3–1.2 4.66S–.09 102.0E–.10 37 3.7b 15 1-146
IDC IV 24 12 32 26.1–3.7 4.51S 101.94E 0 3.7,3.7b **¶610649889**
DJA IV 24 12 32 29.4–.90 5S–5.0 102E–7.0 42–29 4.0,4.0
ISC Event type ke.
ISC IV 24 17 58 36.3–.96 2.54S–.06 99.6E–.10 10 3.9b 34 0-145
IDC IV 24 17 58 36.8–2.4 2.48S 99.80E 0 3.9,3.9b **¶610649915**
NEIC IV 24 17 58 38.2–1.1 2.58S–.10 99.8E–.10 31–6 4.1b,3.9b
DJA IV 24 17 58 41.2–.70 3S–3.0 100E–6.0 33–4 4.6b,4.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IV 24 19 59 59.4–4.0 5.82S 102.66E 0 3.4,3.4b ¶610649918
IDC Error ellipse: s-maj=171.4km s-min=24.8km az=56.0.
ISC IV 26 04 13 10.4–.98 2.9S–.10 102.5E–.10 200 3.1b 12 0-53
DJA IV 26 04 13 10.3–.60 3S–5.0 103E–6.0 169–5 4.3b,3.8 **¶610650031**
IDC IV 26 04 13 20.4–27 2.49S 103.06E 270–254 3.5,2.8b
ISC Event type ke.
IDC Error ellipse: s-maj=309.3km s-min=18.9km az=55.0.
DJA IV 27 19 15 59.2–.30 2S–2.0 101E–2.0 10 4.1b,4.0 ¶615346261
IDC IV 29 09 35 15.1–41 4.07S 104.57E 0 3.6,3.6b ¶610650297
IDC Error ellipse: s-maj=731.0km s-min=229.6km az=140.0.
IDC V 01 02 18 56.2–4.3 4.68S 104.95E 0 3.7,3.7b ¶610689274
IDC Error ellipse: s-maj=242.4km s-min=23.3km az=53.0.
ISC V 02 10 16 22.2–.74 0.86S–.07 99.92E–.04 57 4.1b 32 1-144
IDC V 02 10 16 13.4–3.4 0.95S 99.97E 0 3.8,3.8b **¶610689382**
NEIC V 02 10 16 18.9–1.4 1.14S–.06 99.95E–.08 36–11 4.0b,3.8b
DJA V 02 10 16 23.7–.30 1S–4.0 100E–2.0 43–9 3.9,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 05 21 33 41.3–.54 4.37S–.05 102.30E–.05 63–4 4.6b 172 1-145
IDC V 05 21 33 33.6–.65 4.21S 102.34E 0 4.5,4.5b **¶610613129**
DJA V 05 21 33 41.9–.40 4S–3.0 102E–3.0 33–5 4.7b,4.7
NEIC V 05 21 33 41.6–1.6 4.41S–.08 102.30E–.06 62–7 4.6b,4.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DJA V 05 22 50 39.7–.90 4S–4.0 102E–4.0 29–9 3.6b,3.6 ¶615346341
ISC V 11 21 01 27.4–.48 4.56S–.06 101.22E–.05 21–3 4.8b,4.1s 256 2-146
IDC V 11 21 01 24.5–.60 4.45S 101.31E 0 4.6,4.5b **¶610630725**
BJI V 11 21 01 26.0–.00 5.14S 101.37E 55 4.9b,4.9b
DJA V 11 21 01 27.5–2.6 5S–2.0 101E–3.0 20–25 5.0b,4.9
NEIC V 11 21 01 30.1–1.1 4.53S–.09 101.26E–.07 37–8 4.8b,4.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 14 15 06 57.9–1.1 2.47S–.05 100.79E–.06 35 3.6b 16 1-58
IDC V 14 15 06 56.1–5.6 1.02S 102.70E 0 3.5,3.5b **¶615346487**
DJA V 14 15 06 59.6–.50 2S–3.0 101E–3.0 26–4 6.0b,5.5
ISC Event type ke.
DJA V 17 22 39 23.6–.40 3S–4.0 102E–4.0 118–4 3.7b,3.6 ¶615346513
ISC V 18 17 51 44.4–.79 3.46S–.08 102.43E–.08 100 3.7b 30 0-144
IDC V 18 17 51 28.5–3.5 4.00S 101.62E 0 3.7,3.7b **¶610690611**
DJA V 18 17 51 44.5–.30 4S–3.0 102E–3.0 109–3 4.4b,4.2
ISC Event type ke.
ISC V 22 09 38 51.8–1.4 3.8S–.20 102.6E–.20 35 3.5b 9 0-53
IDC V 22 09 38 50.6–5.0 2.38S 104.41E 0 3.4,3.4b **¶615346568**
DJA V 22 09 38 53.4–.30 4S–4.0 103E–5.0 14–3 3.4,3.4
ISC Event type ke.
ISC V 23 13 57 01.0–.68 4.86S–.09 102.97E–.09 59 4.3b 64 0-145
IDC V 23 13 56 52.7–1.2 4.91S 102.94E 0 4.1,4.1b **¶610685224**
NEIC V 23 13 56 58.6–2.3 5.09S–.05 102.71E–.09 43–7 4.4b,4.1b
DJA V 23 13 56 59.1–1.2 5S–8.0 103E–7.0 13–7 4.5b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 24 18 15 26.5–2.6 0.3S–.30 100.1E–.50 81 3.5b 6 39-56
IDC V 24 18 15 16.4–2.5 0.31S 99.96E 0 3.6,3.6b **¶610685311**
ISC Event type ke.
IDC Error ellipse: s-maj=91.8km s-min=21.3km az=58.0.
ISC V 30 08 28 21.0–.26 5.45S–.03 102.83E–.03 67–1 5.2b 791 1-170
KLM V 30 08 28 18 5.75S 102.55E 54 5.5b **¶616345659**
NEIC V 30 08 28 19.4–1.9 5.54S–.05 102.75E–.07 47–5 5.3b
BJI V 30 08 28 19.0–.00 5.40S 102.80E 70 5.2b,5.0b
DJA V 30 08 28 19.4–.20 6S–2.0 103E–2.0 59–2 5.8b,5.7
MOS V 30 08 28 21.7–1.0 5.31S 102.97E 45 5.2b,5.7
IDC V 30 08 28 21.9–.50 5.37S 102.92E 71–3 5.0,4.7b
GCMT V 30 08 28 22.4–.20 5.47S–.01 102.73E–.01 79–1 5.1W,4.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s71,c89; s110,c156;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.97±.13 $M_{\theta\theta}$-1.13±.14; $M_{\phi\phi}$-0.83±.15; $M_{r\theta}$0.33±.09; $M_{\theta\phi}$-4.40±.10; $M_{\phi r}$-2.85±.08; Best double couple: NP1:ϕ_s188.00000°,δ75.00000°,λ38.00000°. NP2:ϕ_s86.00000°,δ53.00000°,λ161.00000°. Principal axes: T 5.1870,Plg38.0000° ,Azm53.0000°; N 0.6250,Plg49.0000°,Azm206.0000°; P -5.8080,Plg14.0000°,Azm313.0000° $M_0$5.49800×10^{16}
ISC V 30 09 38 20.1–1.4 1.48S–.05 99.67E–.05 10–10 3.4b 15 1-144
IDC V 30 09 38 20.6–3.9 1.03S 100.19E 0 3.5,3.5b **¶610685710**
DJA V 30 09 38 23.3–.40 2S–2.0 100E–3.0 10 3.8,3.8
ISC Event type ke.
ISC V 30 09 40 11.2–.49 1.42S–.04 99.44E–.05 21–4 4.4b,3.2s 86 1-147
IDC V 30 09 40 08.2–.91 1.38S 99.67E 0 4.2,4.2b **¶610685712**
DJA V 30 09 40 10.8–.30 1S–2.0 99E–2.0 10 4.4,4.4
NEIC V 30 09 40 15.3–2.6 1.29S–.07 99.60E–.08 35–1 4.5b,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC V 30 09 45 48.1–4.5 1.53S 99.48E 0 3.5,3.5b ¶610685713
IDC Error ellipse: s-maj=235.5km s-min=30.7km az=52.0.
DJA V 30 14 35 40.7–.80 5S–7.0 103E–6.0 32–9 3.6,3.6 ¶615346719
ISC VI 02 17 24 24.2–1.2 4.7S–.10 101.7E–.10 30 3.6b 24 1-146
DJA VI 02 17 24 22.2–.30 5S–2.0 102E–3.0 10 5.7b,5.3 **¶615347374**
IDC VI 02 17 24 28.1–4.2 2.70S 104.18E 0 3.6,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=245.0km s-min=28.2km az=52.0.
ISC VI 05 03 38 50.7–.94 5.15S–.06 104.62E–.06 100 3.7b 22 0-144
DJA VI 05 03 38 51.7–.40 5S–4.0 105E–3.0 104–5 4.8b,4.3 **¶610791263**

IDC VI 05 03 38 51.5–4.3 4.60S 104.93E 136–31 3.9,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=85.0km s-min=21.6km az=61.0.
ISC VI 06 19 54 13.0–.84 4.9S–.10 104.6E–.10 194–7 3.4b 23 0-89
IDC VI 06 19 54 11.6–7.0 4.81S 104.13E 184–50 3.6,3.1b **¶610791350**
DJA VI 06 19 54 15.1–.40 5S–5.0 105E–4.0 174–4 4.5b,4.2
ISC Event type ke.
ISC VI 07 13 08 23.9–.64 2.09S–.05 102.25E–.05 213–6 4.0b 54 1-143
IDC VI 07 13 08 15.7–8.4 2.35S 101.95E 143–74 4.1,3.7b **¶610791406**
NEIC VI 07 13 08 23.7–2.1 2.17S–.08 102.22E–.07 205–9 4.2b,3.7b
DJA VI 07 13 08 24.3–.50 2S–2.0 102E–3.0 203–4 4.2b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 09 11 08 50.7–4.2 3.4S–.70 100.5E–1.0 29 3.6b 5 28-145
IDC VI 09 11 08 47.8–4.2 3.13S 100.82E 0 3.6,3.6b **¶610791536**
ISC Event type ke.
IDC Error ellipse: s-maj=180.7km s-min=25.1km az=56.0.
DJA VI 12 12 39 51.1–.60 4S–14 103E–10 115–8 3.8,3.8
¶615348165
ISC VI 12 20 34 25.9–1.2 4.68S–.09 102.66E–.08 56–9 4.2b,3.5s 47 0-145
IDC VI 12 20 34 18.1–1.3 4.69S 102.48E 0 4.1,4.1b **¶610791743**
NEIC VI 12 20 34 26.1–1.7 4.59S–.10 102.59E–.08 53–7 4.3b,4.1b
DJA VI 12 20 34 27.0–.50 5S–4.0 103E–4.0 33–5 4.2,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 12 21 32 09.0–.90 2.1S–.10 102.3E–.10 200 3.6b 18 1-58
IDC VI 12 21 31 47.0–2.7 2.15S 102.05E 0 3.8,3.8b **¶610791745**
DJA VI 12 21 32 06.9–.40 2S–8.0 102E–8.0 210–9 3.9,3.9
ISC Event type ke.
IDC VI 13 14 57 48.7–8.0 1.38S 99.87E 0 3.3,3.3b
¶610791783
IDC Error ellipse: s-maj=414.4km s-min=30.9km az=53.0.
ISC VI 13 22 27 04.3–1.2 4.70S–.06 102.21E–.07 47–11 4.5b 102 1-145
IDC VI 13 22 26 58.1–.95 4.55S 102.23E 0 4.4,4.4b **¶610673003**
DJA VI 13 22 27 05.0–.60 5S–3.0 102E–3.0 40–17 5.2b,4.8b
NEIC VI 13 22 27 05.4–1.2 4.63S–.08 102.23E–.04 53–7 4.4b,4.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 17 21 27 11.5–.56 3.20S–.07 101.13E–.07 46 4.2b 78 1-145
IDC VI 17 21 27 05.3–1.1 3.17S 101.07E 0 4.4L,4.1 **¶610792082**
NEIC VI 17 21 27 12.2–1.7 3.3S–.10 101.13E–.07 49–9 4.3b,4.1
DJA VI 17 21 27 12.2–.30 3S–4.0 101E–4.0 43–5 4.5b,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DJA VI 18 19 30 43.0–.40 5S–4.0 103E–5.0 10 5.0b,4.8b
¶615348264
ISC VI 20 18 21 41.8–.25 4.10S–.03 102.17E–.04 72–1 5.1b 910 1-158
MOS VI 20 18 21 38.2–1.0 4.04S 102.16E 53 5.3b **¶610686575**
IDC VI 20 18 21 41.8–.48 4.01S 102.22E 75–3 4.8,4.5b
NEIC VI 20 18 21 41.5–1.6 4.13S–.06 102.12E–.06 65–4 5.2b,4.5b
DJA VI 20 18 21 42.1–.20 4S–2.0 102E–2.0 73–2 6.7,6.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 21 18 11 09.5–.91 4.62S–.08 102.77E–.08 50 3.8b 23 0-145
IDC VI 21 18 11 01.5–3.2 4.67S 102.55E 0 3.6,3.6b **¶610789222**
DJA VI 21 18 11 10.9–.40 5S–6.0 103E–5.0 43–8 3.8,3.8
ISC Event type ke.
ISC VI 22 01 29 13.5–.93 4.55S–.10 102.81E–.10 64–7 4.2b 37 0-145
IDC VI 22 01 29 03.9–2.2 4.73S 102.45E 0 4.0,4.0b **¶610789241**
NEIC VI 22 01 29 12.7–1.6 4.6S–.10 102.60E–.07 53–3 4.3b,4.0b
DJA VI 22 01 29 14.2–.40 5S–7.0 103E–6.0 45–9 4.0,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 22 14 38 49.4–.39 5.77S–.05 102.47E–.05 21 5.0b,4.6s 354 1-150
NEIC VI 22 14 38 46.7–2.5 5.97S–.07 102.35E–.09 10–1 5.1b,4.6s **¶610693712**
MOS VI 22 14 38 46.6–1.0 5.66S 102.54E 14 5.1b,4.6s
IDC VI 22 14 38 47.2–.67 5.58S 102.67E 0 4.7,4.7b
DJA VI 22 14 38 47.6–.40 6S–3.0 102E–3.0 16–3 5.6b,5.3
BJI VI 22 14 38 48.0–.00 5.80S 102.50E 20 5.3b,5.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.2km s-min=10.5km az=245.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=10.4km s-min=5.0km az=113.7.
IDC Error ellipse: s-maj=23.6km s-min=12.2km az=47.0.
DJA VI 23 00 17 00.5–.30 3S–4.0 102E–5.0 166–4 5.1b,4.6b
¶610693794
ISC VI 23 17 06 53.5–.76 1.68S–.08 99.40E–.08 30 3.9b 29 1-145
IDC VI 23 17 06 47.8–1.9 2.00S 98.99E 0 4.3L,3.7 **¶610789350**
NEIC VI 23 17 06 48.7–1.3 1.83S–.08 99.28E–.09 10–2 4.3b,3.7
DJA VI 23 17 06 52.3–.40 1S–5.0 99E–5.0 10 4.0,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 23 23 48 31.6–2.2 2.5S–.40 101.9E–.40 250 3.3b 6 18-144
IDC VI 23 23 48 31.7–14 2.47S 101.99E 245–130 3.8,3.1b **¶610789366**
ISC Event type ke.
IDC Error ellipse: s-maj=113.8km s-min=19.1km az=60.0.
ISC VI 25 05 34 49.4–1.3 3.11S–.10 101.1E–.10 46 3.5b 14 1-145
IDC VI 25 05 34 41.8–7.6 3.11S 100.91E 0 3.4,3.4b **¶610789424**
DJA VI 25 05 34 52.4–.70 3S–4.0 101E–4.0 29–6 3.9,3.9
ISC Event type ke.
ISC VI 26 15 52 32.6–1.2 4.42S–.08 101.80E–.07 52–11 4.2b 70 1-145
DJA VI 26 15 52 31.8–.40 4S–4.0 102E–3.0 56–11 4.9b,4.9b **¶610695063**
NEIC VI 26 15 52 33.7–1.4 4.1S–.10 101.93E–.09 41–11 4.2b,4.9b
IDC VI 26 15 52 35.5–4.5 4.19S 102.01E 66–38 4.3L,4.0
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.4km s-min=8.7km az=217.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=41.2km s-min=14.7km az=58.0.
ISC VI 26 16 41 43.0–1.2 3.6S–.10 100.6E–.10 29 3.5b 13 1-146
DJA VI 26 16 41 40.1–1.5 4S–10 101E–11 15–15 3.5,3.5 **¶610789518**
IDC VI 26 16 41 41.1–3.8 3.21S 101.00E 0 3.6,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=152.6km s-min=19.8km az=57.0.

(275) Java Sea.

ISC III 14 04 36 29.3–.27 5.69S–.03 110.09E–.04 548–2 5.1b 1326 1-177
MOS III 14 04 36 28.4–.81 5.51S 110.19E 545 5.1b **¶610327662**
DJA III 14 04 36 29.1–.10 6S–2.0 110E–1.0 538–1 5.4b,5.2
IDC III 14 04 36 29.6–.46 5.60S 110.23E 547–4 5.4,4.6b
NEIC III 14 04 36 30.1–1.9 5.62S–.08 110.18E–.07 546–4 5.1b,4.6b
KLM III 14 04 36 34 5.27S 110.08E 572 5.9b,4.6b
ISC Event type se.
MOS Error ellipse: s-maj=8.3km s-min=4.3km az=118.8.
IDC Error ellipse: s-maj=8.6km s-min=5.1km az=54.0.
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=9.9km az=151.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 05 02 53 33.4–.29 5.69S–.04 110.03E–.05 554–2 4.8b 956 1-177
BJI V 05 02 53 32.0–.00 5.70S 110.10E 550 5.1b,4.6b **¶610598537**
MOS V 05 02 53 32.9–.82 5.55S 110.15E 563 4.8b,4.6b
NEIC V 05 02 53 33.7–2.0 5.66S–.07 110.06E–.09 550–5 4.8b,4.6b
IDC V 05 02 53 33.9–.59 5.56S 110.12E 554–6 5.2,4.3b
DJA V 05 02 53 33.6–.20 6S–4.0 110E–2.0 559–3 5.3b,5.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(276) Sunda Strait.

ISC I 18 10 51 42.6–.31 6.92S–.05 105.43E–.04 56 4.8b,4.1s 226 1-145
NEIC I 18 10 51 43.9–1.4 6.86S–.07 105.47E–.07 65–6 4.9b,4.1s **¶610099394**
DJA I 18 10 51 43.5–.20 7S–3.0 105E–2.0 67–3 5.6b,5.1
BJI I 18 10 51 44.0–.00 6.90S 105.40E 70 5.5b,4.7b
IDC I 18 10 51 47.7–1.2 6.72S 105.65E 97–9 4.6,4.3s
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=8.2km az=216.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=13.7km s-min=6.9km az=37.0.
ISC II 12 00 14 42.3–.54 6.68S–.07 104.25E–.06 50 4.4b 87 1-145
DJA II 12 00 14 40.2–1.0 7S–3.0 104E–3.0 10–8 4.7b,4.5 **¶610208497**
NEIC II 12 00 14 42.2–1.6 6.5S–.10 104.3E–.10 40–8 4.6b,4.5
IDC II 12 00 14 44.9–2.3 6.47S 104.34E 66–19 4.1,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.2km s-min=9.3km az=215.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=24.5km s-min=10.0km az=31.0.
DJA II 14 04 27 41.6–.70 7S–19 106E–10 76–6 6.1b,5.7
¶615345622
ISC II 19 15 14 07.3–.48 6.53S–.05 104.63E–.04 51–3 4.9b,3.6s 294 1-149
BJI II 19 15 14 07.2–.00 6.50S 104.60E 70 5.1b,4.7b **¶610231562**
NEIC II 19 15 14 07.5–1.6 6.40S–.06 104.65E–.07 46–5 5.1b,4.7b
DJA II 19 15 14 08.3–.30 7S–3.0 105E–2.0 61–2 5.4b,5.1
IDC II 19 15 14 13.1–1.2 6.22S 104.89E 90–9 4.6,4.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=6.4km az=58.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=15.4km s-min=7.2km az=37.0.
ISC III 08 01 01 05.7–.87 6.11S–.06 105.48E–.07 10 3.7b 14 1-73
IDC III 08 01 01 02.9–3.7 5.42S 105.76E 0 3.6,3.6b **¶610545768**
DJA III 08 01 01 06.2–.30 6S–5.0 105E–5.0 10 3.6,3.6
ISC Event type ke.
ISC III 10 16 13 35.0–.57 6.73S–.05 105.02E–.05 54–4 4.7b,3.8s 242 1-150
IDC III 10 16 13 35.0–1.7 6.46S 105.25E 42–13 4.5,4.3b **¶610321369**
DJA III 10 16 13 35.9–.20 7S–2.0 105E–2.0 52–3 5.3b,4.9
NEIC III 10 16 13 37.7–1.7 6.58S–.08 105.15E–.08 76–3 4.7b,4.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DJA III 18 17 32 45.4–.40 6S–4.0 105E–5.0 10 3.0,3.0
¶615345924
IDC III 21 12 08 12.1–12 6.14S 105.92E 0 3.8,3.8b
¶610543403
IDC Error ellipse: s-maj=897.6km s-min=109.3km az=58.0.
ISC III 21 13 13 38.6–.33 6.13S–.04 104.33E–.03 51–2 5.2b,4.2s 891 1-174
MOS III 21 13 13 38.9–1.2 5.78S 104.56E 60 5.4b,4.2s **¶610401445**
IDC III 21 13 13 39.0–2.0 5.94S 104.54E 48–17 4.9,4.7b
NEIC III 21 13 13 40.0–2.9 6.04S–.08 104.37E–.08 55–4 5.3b,4.7b
DJA III 21 13 13 39.8–.20 6S–2.0 104E–2.0 59–2 5.4b,5.4
GCMT III 21 13 13 41.0–.30 6.55S–.02 104.55E–.02 60–1 5.0W,5.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s50,c69; s79,c111;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.42±.15 $M_{\theta\theta}$-3.41±.11; $M_{\phi\phi}$0.99±.15; $M_{r\theta}$0.85±.10; $M_{\theta\phi}$2.18±.11; $M_{\phi r}$-1.08±.10; Best double couple: NP1:ϕ_s137.00000°,δ61.00000°,λ125.00000°. NP2:ϕ_s262.00000°,δ44.00000°,λ44.00000°. Principal axes: T 3.0200,Plg58.0000° ,Azm97.0000°; N 1.4980,Plg30.0000°,Azm299.0000°; P -4.5140,Plg10.0000°,Azm203.0000° $M_0$3.76700×10^{16}
ISC IV 24 21 29 01.3–.34 6.12S–.04 105.30E–.04 53–2 4.9s,4.8b 531 1-151
IDC IV 24 21 28 54.5–.43 5.94S 105.34E 0 4.5,4.5b **¶610548801**
DJA IV 24 21 28 57.1–.20 6S–3.0 105E–2.0 10 5.4b,5.2
MOS IV 24 21 28 58.4–1.6 5.96S 105.45E 46 5.1b,5.2
NEIC IV 24 21 29 00.5–1.8 6.02S–.06 105.37E–.03 50–5 5.0b,5.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 02 16 17 37.9–.60 6.10S–.07 104.16E–.06 50 4.1b 67 1-145
IDC V 02 16 17 31.9–1.0 5.95S 104.21E 0 3.9,3.9b **¶610689405**
DJA V 02 16 17 39.2–.90 6S–3.0 104E–3.0 21–8 4.3,4.2
NEIC V 02 16 17 39.1–2.4 6.1S–.10 104.1E–.10 53–5 4.2b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DJA V 05 03 56 21.7–.30 7S–4.0 106E–3.0 58–6 4.8b,4.3
¶615346347
ISC V 05 11 25 10.9–.62 6.79S–.05 105.10E–.04 63–5 4.6b 145 1-145
IDC V 05 11 25 03.3–.78 6.49S 105.18E 0 4.4b,4.3 **¶610609335**
DJA V 05 11 25 09.4–.60 7S–3.0 105E–2.0 25–4 5.7,5.6
NEIC V 05 11 25 11.9–1.9 6.68S–.08 105.16E–.08 67–7 4.6b,5.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 08 00 39 44.6–2.0 6.34S–.10 104.1E–.10 56–16 4.0b 28 1-145
IDC V 08 00 39 37.4–1.5 6.21S 103.97E 0 3.9,3.9b **¶610689766**
DJA V 08 00 39 46.5–.90 6S–4.0 104E–4.0 28–8 4.8b,4.3
ISC Event type ke.
ISC V 21 07 18 45.8–1.9 6.7S–.30 104.6E–.40 35 4.2b 14 32-145
IDC V 21 07 18 45.9–1.7 6.79S 104.56E 38–7 3.9,3.7b **¶610685071**
ISC Event type ke.
IDC Error ellipse: s-maj=66.2km s-min=17.3km az=55.0.
IDC V 24 03 46 51.1–6.3 6.13S 104.20E 0 3.5,3.5b
¶610685265
IDC Error ellipse: s-maj=323.9km s-min=29.7km az=50.0.
ISC V 27 09 09 32.8–.98 6.05S–.07 105.33E–.06 10 3.5b 14 1-61
DJA V 27 09 09 32.4–.40 6S–5.0 105E–5.0 10 3.4,3.4 **¶610685488**
IDC V 27 09 09 35.9–4.1 4.68S 105.73E 77–32 3.6,3.2b
ISC Event type ke.
IDC Error ellipse: s-maj=165.0km s-min=26.4km az=52.0.
ISC VI 06 04 23 24.1–.78 5.9S–.10 105.65E–.10 200 3.7b 27 1-144
IDC VI 06 04 23 02.9–1.6 5.63S 105.46E 0 3.8,3.8b **¶610791317**
DJA VI 06 04 23 24.4–.30 6S–4.0 106E–3.0 175–3 5.4b,4.9
ISC Event type ke.
ISC VI 11 20 17 51.5–.66 5.84S–.08 105.82E–.07 157–6 3.8b 59 0-87
DJA VI 11 20 17 50.8–.20 6S–3.0 106E–2.0 159–2 5.2b,4.5 **¶610791672**
IDC VI 11 20 17 52.1–2.0 5.50S 106.01E 161–18 3.9,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=34.3km s-min=13.1km az=57.0.
ISC VI 28 10 41 36.0–.69 6.54S–.08 104.72E–.07 35 4.3b,3.8s 62 1-145
IDC VI 28 10 41 30.9–1.1 6.41S 104.62E 0 4.6L,3.9 **¶610789634**
DJA VI 28 10 41 35.2–.30 7S–4.0 105E–3.0 10 5.8b,5.3
NEIC VI 28 10 41 35.0–.91 6.53S–.02 105.13E–.08 37–11 4.5b,5.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 28 11 14 24.4–2.4 6.54S–.08 104.82E–.07 17–15 3.4b 21 1-145
IDC VI 28 11 14 20.6–1.8 6.57S 104.47E 0 3.9L,3.6 **¶610789639**
DJA VI 28 11 14 25.9–.50 7S–4.0 105E–4.0 10 4.1,4.1
ISC Event type ke.

(277) Jawa.

ISC I 01 04 58 16.3–1.3 8.94S–.10 110.02E–.07 50 3.2b 21 1-61
IDC I 01 04 58 11.2–5.8 8.29S 110.45E 0 3.3,3.3b ¶610236353
DJA I 01 04 58 13.7–.40 9S–4.0 110E–2.0 10 5.1b,4.5b
ISC Event type ke.
ISC I 02 21 02 26.1–.28 8.86S–.03 108.76E–.03 57–2 5.2b,4.8s 886 1-177
MOS I 02 21 02 24.3–1.1 8.73S 108.84E 51 5.4b,4.5s ¶609950090
DJA I 02 21 02 25.5–.20 9S–2.0 109E–1.0 57–3 5.5b,5.4
NEIC I 02 21 02 25.2–1.8 8.75S–.08 108.80E–.06 38–4 5.2b,5.4
GCMT I 02 21 02 26.2–.10 9.24S–.01 108.74E–.01 32–0 5.3W,5.4
BJI I 02 21 02 26.0–.00 8.90S 108.80E 67 5.2b,5.1b
IDC I 02 21 02 26.6–1.6 8.79S 108.88E 58–13 4.9,4.7s
ISC Event type se. Moment Tensor Solution. NP1:ϕs345.06683°,δ37.63874°,λ156.81892°. NP2: ϕs93.79808°,δ76.09060°,λ54.66640°. Principal axes: T Plg46.8798°,Azm327.0510° ; N Plg34.1511°,Azm103.4693°; P Plg22.9521°,Azm210.1642°
MOS Error ellipse: s-maj=7.2km s-min=4.5km az=119.8.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=9.2km az=191.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s115,c191; s119,c203;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; Mrr0.89±.02 Mθθ-0.99±.01; Mϕϕ0.10±.02; Mrθ0.82±.02; Mθϕ0.20±.01; Mϕr-0.12±.02; Best double couple: NP1:ϕs99.00000°,δ65.00000°,λ89.00000°. NP2:ϕs281.00000°,δ25.00000°,λ93.00000°. Principal axes: T 1.1970,Plg70.0000° ,Azm6.0000°; N 0.1370,Plg1.0000°,Azm99.0000°; P -1.3340,Plg20.0000°,Azm190.0000° M0 1.26600×10^{17}
IDC Error ellipse: s-maj=14.4km s-min=8.4km az=42.0.
ISC I 04 09 08 39.5–.71 8.28S–.06 108.23E–.06 55 3.8b 38 1-143
DJA I 04 09 08 41.6–.50 8S–4.0 108E–2.0 31–5 5.1b,4.5 ¶610236687
IDC I 04 09 08 43.2–2.0 8.20S 108.03E 101–15 3.9,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=55.0km s-min=15.0km az=54.0.
IDC I 05 20 07 57.0–2.6 8.79S 112.56E 0 3.3,3.2b ¶610236793
IDC Error ellipse: s-maj=145.1km s-min=26.5km az=48.0.
ISC I 05 22 38 37.0–.93 8.47S–.09 108.90E–.06 55 3.5b 24 1-69
DJA I 05 22 38 35.6–.90 9S–5.0 109E–2.0 11–7 3.9,3.6 ¶610236798
IDC I 05 22 38 42.3–1.7 8.09S 109.01E 109–28 3.6,3.2b
ISC Event type ke.
IDC Error ellipse: s-maj=120.3km s-min=14.6km az=50.0.
ISC I 06 21 26 29.9–.91 7.01S–.05 113.59E–.04 10 3.3b 20 1-60
DJA I 06 21 26 30.9–.70 7S–3.0 114E–2.0 14–6 3.4,3.4 ¶610236858
IDC I 06 21 26 32.7–2.9 7.77S 113.59E 0 3.3,3.3b
ISC Event type ke.
IDC Error ellipse: s-maj=211.1km s-min=28.4km az=51.0.
ISC I 12 19 44 58.7–.80 7.61S–.07 106.91E–.05 75–7 4.3b 80 0-94
DJA I 12 19 44 57.6–.60 8S–4.0 107E–2.0 27–5 5.2b,4.8L ¶610237257
NEIC I 12 19 45 01.1–1.3 7.41S–.08 106.93E–.05 94–7 4.5b,4.8L
IDC I 12 19 45 02.6–1.2 7.13S 107.20E 97–8 4.2,3.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.2km s-min=6.4km az=159.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=28.2km s-min=11.5km az=42.0.
DJA I 13 06 08 00.7–.70 8S–4.0 107E–3.0 30–9 5.3b,5.1b ¶615345243
ISC I 13 14 24 58.5–1.0 7.96S–.07 110.36E–.05 15–6 4.1b 40 0-38
IDC I 13 14 24 56.7–2.1 8.10S 110.42E 0 3.7,3.7b ¶610237298
DJA I 13 14 24 58.5–.30 8S–4.0 110E–2.0 10 4.4b,4.1
NEIC I 13 14 24 58.8–2.1 7.90S–.08 110.34E–.03 10–2 4.2b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DJA I 18 17 57 25.6–.40 9S–6.0 110E–2.0 67–19 4.9b,4.2b ¶615345333
ISC I 20 04 10 29.8–.97 7.78S–.09 107.27E–.06 62 3.6b 24 0-64
IDC I 20 04 10 29.0–5.1 7.71S 106.94E 72–40 3.7,3.4b ¶610234914
DJA I 20 04 10 29.2–.70 8S–5.0 107E–2.0 19–5 4.0,3.9
ISC Event type ke.
ISC I 21 05 00 24.4–.82 7.2S–.10 109.12E–.06 200 3.5b 20 0-59
IDC I 21 05 00 24.8–2.4 6.83S 109.29E 194–41 3.7,3.2b ¶610234977
DJA I 21 05 00 25.8–.60 7S–9.0 109E–3.0 176–7 3.2,3.2
ISC Event type ke.
DJA I 22 07 08 56.8–.40 9S–5.0 113E–2.0 116–5 4.0b,3.7 ¶615345388
ISC I 26 17 50 11.5–.76 7.82S–.05 107.04E–.04 55–7 4.5b,3.4s 185 1-151
DJA I 26 17 50 12.3–.30 8S–3.0 107E–1.0 47–3 5.2b,4.9 ¶610130723
NEIC I 26 17 50 15.3–2.1 7.64S–.08 107.06E–.10 89–6 4.5b,4.9
IDC I 26 17 50 15.9–1.6 7.62S 107.08E 80–11 4.5,4.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.2km s-min=11.5km az=114.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=24.2km s-min=10.5km az=53.0.
ISC I 28 15 07 55.9–.92 7.76S–.06 106.55E–.06 35 3.4b 25 1-58
IDC I 28 15 07 51.2–3.1 6.85S 107.21E 0 3.5,3.5b ¶610235566
DJA I 28 15 07 56.6–1.2 8S–8.0 107E–4.0 21–7 4.2b,4.0
ISC Event type ke.
DJA II 01 05 48 39.7–.40 7S–8.0 109E–3.0 216–3 4.3b,3.6 ¶615345499
ISC II 02 02 06 15.9–1.4 7.36S–.09 106.17E–.06 51–11 4.1b 32 1-144
DJA II 02 02 06 13.9–.70 7S–4.0 106E–2.0 13–4 4.1,4.1 ¶610414642
IDC II 02 02 06 16.6–5.2 7.46S 105.90E 65–43 5.0L,4.1
ISC Event type ke.
IDC Error ellipse: s-maj=41.3km s-min=15.5km az=53.0.
IDC II 03 06 35 36.3–3.6 7.92S 112.73E 0 3.4,3.4b ¶610414721
IDC Error ellipse: s-maj=240.8km s-min=25.7km az=49.0.
ISC II 07 17 21 47.5–.35 8.48S–.04 113.09E–.03 151–2 5.0b 703 0-155
DJA II 07 17 21 47.2–.10 9S–2.0 113E–1.0 145–1 6.5,6.4 ¶610198824
NEIC II 07 17 21 47.2–2.4 8.43S–.07 113.13E–.05 141–4 5.2b,6.4
MOS II 07 17 21 48.2–.80 8.26S 113.15E 167 5.2b,6.4
GCMT II 07 17 21 48.2–.40 8.66S–.02 113.19E–.03 153–6 4.8W,6.4
IDC II 07 17 21 48.9–1.1 8.31S 113.12E 159–9 5.1,4.7b
ISC Event type se. Moment Tensor Solution. NP1:ϕs56.52667°,δ83.59204°,λ121.33357°. NP2: ϕs156.91475°,δ31.91667°,λ12.18699°. Principal axes: T Plg42.7751°,Azm356.5895° ; N Plg31.1159°,Azm232.6395°; P Plg31.4186°,Azm121.0029° Moment Tensor Solution. NP1:ϕs14.87876°,δ14.63972°,λ-165.14395°. NP2:ϕs270.48468°,δ86.28461°,λ-75.82961°. Principal axes: T Plg39.6673°,Azm347.4889°; N Plg14.1400°,Azm89.5473°; P Plg46.8839° ,Azm195.1557°
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=6.9km az=198.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=8.8km s-min=5.0km az=117.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s8,c8; s74,c101;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr-0.31±.11 Mθθ0.39±.14; Mϕϕ-0.08±.14; Mrθ1.84±.09; Mθϕ-0.63±.12; Mϕr0.15±.08; Best double couple: NP1:ϕs267.00000°,δ85.00000°,λ-109.00000°. NP2:ϕs163.00000°,δ20.00000°,λ-14.00000°. Principal axes: T 1.9880,Plg37.0000° ,Azm14.0000°; N -0.0130,Plg19.0000°,Azm268.0000°; P -1.9760,Plg46.0000° ,Azm157.0000° M0 1.98200×10^{16}
IDC Error ellipse: s-maj=10.3km s-min=7.6km az=57.0.
ISC II 08 08 34 16.7–.39 7.59S–.04 106.94E–.03 66–3 4.8b 493 0-156
DJA II 08 08 34 17.4–.20 8S–2.0 107E–1.0 70–2 5.6b,5.4 ¶610198963
BJI II 08 08 34 17.0–.00 7.50S 107.00E 80 5.2b,4.8s
NEIC II 08 08 34 18.4–2.7 7.56S–.06 106.95E–.06 75–5 5.0b,4.8s
IDC II 08 08 34 19.6–.77 7.36S 106.96E 90–5 4.7,4.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=8.6km az=206.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=12.6km s-min=8.0km az=57.0.
ISC II 10 03 19 42.3–1.3 7.63S–.08 105.81E–.06 10 3.4b 15 1-58
IDC II 10 03 19 40.7–1.9 7.57S 105.63E 0 4.1s,3.8L ¶610415210
DJA II 10 03 19 44.0–.70 8S–4.0 106E–4.0 10 3.6,3.6
ISC Event type ke.
ISC II 13 08 12 46.8–.45 7.72S–.04 108.30E–.03 101–3 4.8b 322 0-156
DJA II 13 08 12 47.0–.20 8S–3.0 108E–1.0 71–3 5.6b,5.2 ¶610208603
NEIC II 13 08 12 47.8–2.8 7.53S–.05 108.38E–.06 101–4 4.8b,5.2
IDC II 13 08 12 48.6–.67 7.52S 108.41E 110–5 4.6,4.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=6.6km az=51.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=16.1km s-min=9.9km az=55.0.
ISC II 14 21 47 54.2–2.1 6.93S–.05 106.84E–.03 14–16 3.4b 25 0-41
IDC II 14 21 47 48.4–3.6 5.96S 106.98E 0 3.7,3.7b ¶610415532
DJA II 14 21 47 54.5–.20 7S–3.0 107E–2.0 10 3.8,3.8
ISC Event type ke.
ISC II 15 18 53 37.0–.29 7.59S–.04 107.37E–.04 80–2 5.0b 1168 0-156
DJA II 15 18 53 35.7–.20 8S–3.0 107E–2.0 61–2 5.5b,5.3 ¶610216341
MOS II 15 18 53 36.5–1.1 7.19S 107.53E 81 4.8b,5.3
GCMT II 15 18 53 37.6–.40 7.99S–.03 107.57E–.03 79–3 4.8W,5.3
NEIC II 15 18 53 38.6–2.5 7.52S–.09 107.39E–.07 77–4 5.0b,5.3
IDC II 15 18 53 38.8–.67 7.33S 107.42E 93–4 4.7,4.4b
ISC Event type se. Moment Tensor Solution. NP1:ϕs243.03453°,δ51.46745°,λ46.76981°. NP2: ϕs119.50273°,δ55.25280°,λ130.69794°. Principal axes: T Plg57.5136°,Azm88.6480° ; N Plg32.3975°,Azm273.3884°; P Plg2.1479°,Azm182.0247°
MOS Error ellipse: s-maj=9.6km s-min=5.6km az=122.7.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s31,c34; s64,c96;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr1.86±.11 Mθθ-2.43±.10; Mϕϕ0.57±.11; Mrθ0.79±.09; Mθϕ0.32±.10; Mϕr-0.32±.08; Best double couple: NP1:ϕs105.00000°,δ56.00000°,λ101.00000°. NP2:ϕs266.00000°,δ36.00000°,λ74.00000°. Principal axes: T 2.0470,Plg76.0000° ,Azm49.0000°; N 0.5670,Plg9.0000°,Azm278.0000°; P -2.6130,Plg10.0000°,Azm187.0000° M0 2.33000×10^{16}
NEIC Event type se. Error ellipse: s-maj=13.5km s-min=9.1km az=209.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=15.4km s-min=10.3km az=56.0.
IDC II 17 05 15 54.9–2.8 8.59S 112.80E 0 3.5,3.5b ¶610415665
IDC Error ellipse: s-maj=162.9km s-min=25.7km az=48.0.
ISC II 19 15 39 41.1–.81 8.02S–.05 107.97E–.04 66–7 4.6b 213 1-178
BJI II 19 15 39 39.0–.00 7.90S 108.00E 50 5.0b,4.5b ¶610231564
DJA II 19 15 39 40.9–.20 8S–3.0 108E–1.0 61–2 5.3b,5.0
NEIC II 19 15 39 42.1–2.0 7.84S–.09 107.94E–.07 68–6 4.7b,5.0
IDC II 19 15 39 45.2–.87 7.67S 108.21E 98–6 4.4,4.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.8km s-min=9.3km az=195.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=18.4km s-min=10.3km az=42.0.
DJA II 21 03 03 07.3–.70 8S–4.0 107E–3.0 26–6 4.5b,3.9 ¶615345697
ISC II 26 13 03 59.7–.89 8.1S–.10 108.75E–.05 119–7 3.5b 43 0-143
IDC II 26 13 03 56.3–16 7.96S 108.50E 87–136 3.6,3.3b ¶610385063
DJA II 26 13 04 00.2–.20 8S–4.0 109E–1.0 97–4 5.0b,4.7b
ISC Event type ke.
ISC III 01 22 04 30.9–.39 6.14S–.05 113.07E–.05 597–4 4.5b 433 1-152
DJA III 01 22 04 30.8–.10 6S–2.0 113E–1.0 593–2 5.2,5.0b ¶610243151
NEIC III 01 22 04 31.1–2.3 6.12S–.08 113.08E–.10 584–6 4.6b,5.0b
IDC III 01 22 04 32.1–.65 6.03S 113.10E 605–6 4.9,3.9b
ISC Event type se. Moment Tensor Solution. NP1:ϕs77.73273°,δ71.25160°,λ-103.59634°. NP2: ϕs294.69357°,δ23.01506°,λ-55.29402°. Principal axes: T Plg25.0589°,Azm178.3064° ; N Plg12.8622°,Azm82.1778°; P Plg61.4135°,Azm327.4042°
NEIC Event type se. Error ellipse: s-maj=14.1km s-min=11.6km az=63.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=11.3km s-min=6.7km az=57.0.
ISC III 06 20 11 12.7–.82 7.43S–.10 106.99E–.06 67–7 4.0b 46 0-144
IDC III 06 20 11 03.0–2.7 7.41S 106.70E 0 3.8,3.8b ¶610247278
DJA III 06 20 11 10.6–.90 8S–5.0 107E–3.0 16–6 4.5b,4.3
NEIC III 06 20 11 12–2.0 7.1S–.10 106.90E–.09 62–6 4.3b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DJA III 08 17 25 16.7–.30 6S–8.0 106E–4.0 209–5 5.6,5.4 ¶615345821
ISC III 10 16 33 15.3–.43 7.16S–.05 105.35E–.05 44–3 4.8b,3.8s 225 1-145
IDC III 10 16 33 09.8–.55 6.90S 105.48E 0 4.5,4.5b ¶610321371
NEIC III 10 16 33 15.0–1.2 7.22S–.07 105.28E–.04 46–9 4.9b,4.5b
DJA III 10 16 33 15.3–.30 7S–3.0 105E–2.0 46–3 5.2b,4.8b
ISC Event type se. Moment Tensor Solution. NP1:ϕs337.47513°,δ30.13673°,λ82.96737°. NP2: ϕs165.59326°,δ60.11320°,λ94.06562°. Principal axes: T Plg74.5514°,Azm86.4414° ; N Plg3.5242°,Azm343.5649°; P Plg15.0217°,Azm252.6179°
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 12 16 37 24.6–1.1 7.08S–.09 106.10E–.06 63 3.4b 19 0-58
IDC III 12 16 37 14.6–5.1 7.08S 105.76E 0 3.3,3.3b ¶610546083
DJA III 12 16 37 24.9–.60 7S–4.0 106E–3.0 28–5 3.8,3.8
ISC Event type ke.
ISC III 13 14 22 08.1–.60 8.72S–.06 113.46E–.05 116–6 3.8b 73 0-74
IDC III 13 14 22 08.3–1.5 8.74S 113.18E 117–11 3.9,3.5b ¶610546143
NEIC III 13 14 22 09.2–1.4 8.5S–.10 113.53E–.08 116–5 4.0b,3.5b
DJA III 13 14 22 09.6–.30 9S–4.0 113E–2.0 88–5 4.9b,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 14 02 51 08.6–.40 7.69S–.06 106.59E–.05 66 4.9b 97 1-144
DJA III 14 02 51 05.8–1.0 8S–5.0 107E–3.0 16–7 5.6,5.5b ¶610327702
NEIC III 14 02 51 08.4–1.5 7.76S–.08 106.59E–.04 51–7 4.9b,5.5b
IDC III 14 02 51 19.0–11 6.90S 107.27E 159–110 4.7,4.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.5km s-min=1.8km az=205.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=33.8km s-min=20.1km az=52.0.
ISC III 15 02 26 54.7–.63 7.97S–.06 107.96E–.05 78–5 4.5b 179 1-147
BJI III 15 02 26 53.5–.00 8.17S 107.52E 80 5.4b,5.2s ¶610329125
IDC III 15 02 26 53.7–2.6 7.62S 108.01E 56–22 4.5,4.2b
NEIC III 15 02 26 54.6–1.2 7.81S–.08 108.00E–.06 79–6 4.6b,4.2b
DJA III 15 02 26 54.5–.20 8S–2.0 108E–1.0 64–2 5.5b,5.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 18 16 56 40.0–.49 7.97S–.05 107.93E–.03 62–4 4.7b 354 1-152
IDC III 18 16 56 39.5–1.5 7.75S 107.99E 52–12 4.4,4.2b ¶610345914
DJA III 18 16 56 40.6–.30 8S–3.0 108E–1.0 43–4 5.3b,5.2
NEIC III 18 16 56 40.8–2.1 7.95S–.08 107.96E–.04 78–5 4.8b,5.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DJA III 18 19 48 57.3–.80 8S–5.0 108E–2.0 13–3 3.6,3.6 ¶615345923
DJA III 21 00 54 29.3–.50 7S–9.0 107E–4.0 103–6 5.9,5.8 ¶615345958
IDC III 22 05 11 53.3–3.2 7.92S 107.59E 0 3.7,3.7b ¶610543448
IDC Error ellipse: s-maj=172.9km s-min=29.2km az=51.0.
ISC III 23 14 35 35.3–.60 8.03S–.05 107.89E–.03 65–4 4.6b 277 1-152
IDC III 23 14 35 33.8–1.8 7.75S 107.99E 46–15 4.5,4.3b ¶610431623
DJA III 23 14 35 34.7–.20 8S–3.0 108E–1.0 62–2 5.3b,5.1

NEIC III 23 14 35 36.4–2.5 7.96S–.09 108.01E–.07 74–6 4.7b,5.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC III 24 11 04 49.6–5.5 7.04S 105.01E 0 3.4,3.4b ¶610543593
IDC Error ellipse: s-maj=227.7km s-min=33.9km az=50.0.
ISC III 26 02 00 12.7–.59 8.1S–.10 107.68E–.07 35 4.3b 52 1-147
IDC III 26 02 00 08.1–.68 7.75S 107.88E 0 4.0,4.0b **¶610543692**
NEIC III 26 02 00 12.6–1.2 7.9S–.20 107.8E–.10 26–6 4.5b,4.0b
DJA III 26 02 00 15.9–.60 8S–3.0 108E–2.0 18–3 4.4,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 26 15 06 50.1–.71 6.45S–.08 106.73E–.06 161–6 3.9b 38 0-90
IDC III 26 15 06 31.3–.99 6.28S 106.48E 0 3.9,3.9b **¶610543731**
DJA III 26 15 06 51.5–.50 7S–6.0 107E–3.0 145–5 4.2b,4.0
NEIC III 26 15 06 53.6–.72 6.1S–.10 106.9E–.20 195–4 4.0b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DJA III 28 02 10 37.5–.70 8S–5.0 107E–3.0 24–5 4.8b,4.2 ¶615346014
ISC III 28 22 24 45.9–1.1 8.58S–.07 108.82E–.04 10 3.6b 23 1-60
DJA III 28 22 24 49.6–.60 8S–3.0 109E–2.0 25–5 4.4b,4.2 **¶615346007**
IDC III 28 22 25 00.1–2.5 10.38S 109.85E 0 3.7,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=118.1km s-min=28.2km az=49.0.
ISC IV 01 02 59 39.1–1.0 8.3S–.10 107.56E–.05 50 3.4b 18 2-59
IDC IV 01 02 59 29.9–2.9 8.65S 106.90E 0 3.6,3.6b **¶610651675**
DJA IV 01 02 59 40.4–.50 8S–6.0 108E–2.0 53–15 4.4b,4.2
ISC Event type ke.
ISC IV 01 15 03 59.3–2.3 8.5S–.10 108.87E–.04 25–17 3.3b 29 1-60
IDC IV 01 15 03 51.2–3.0 7.89S 108.74E 0 3.4,3.4b **¶610651709**
DJA IV 01 15 04 01.1–.50 8S–4.0 109E–1.0 38–8 4.1b,3.9
ISC Event type ke.
ISC IV 04 20 09 42.4–1.1 7.3S–.10 111.63E–.06 200 3.2b 19 0-60
IDC IV 04 20 09 20.9–3.1 6.54S 112.11E 0 3.4,3.4b **¶610651945**
DJA IV 04 20 09 42.7–.50 8S–10 112E–3.0 209–5 3.6b,3.4
ISC Event type ke.
DJA IV 05 02 54 24.8–.90 8S–4.0 109E–2.0 23–7 4.7b,3.9 ¶615346082
ISC IV 05 08 20 47.2–.66 6.3S–.10 106.77E–.08 150 3.9b 50 1-69
DJA IV 05 08 20 48.8–.40 6S–9.0 107E–5.0 152–5 5.8,5.7 **¶610651987**
NEIC IV 05 08 20 49.3–.53 5.7S–.30 107.0E–.10 170–6 4.0b,5.7
IDC IV 05 08 20 53.5–3.0 5.34S 107.82E 186–20 4.0,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=41.8km s-min=9.9km az=207.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=109.0km s-min=17.1km az=49.0.
ISC IV 08 08 17 14.1–.77 8.19S–.07 112.58E–.04 50 3.6b 36 1-73
DJA IV 08 08 17 12.9–.20 8S–4.0 113E–2.0 10 4.1b,3.9 **¶610523830**
IDC IV 08 08 17 15.1–10 8.34S 113.21E 0 3.6,3.6b
NEIC IV 08 08 17 15.1–2.4 8.1S–.10 112.62E–.07 62–11 3.9b,3.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 16 19 41 30.2–.48 8.09S–.06 113.55E–.06 150 4.0b 97 0-145
NEIC IV 16 19 41 30.8–2.5 8.03S–.08 113.67E–.06 149–7 4.0b **¶610652883**
DJA IV 16 19 41 31.5–.20 8S–4.0 114E–2.0 142–2 4.6b,4.1b
IDC IV 16 19 41 32.7–2.6 7.92S 113.65E 164–22 4.1,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.2km s-min=8.1km az=172.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=38.1km s-min=11.3km az=54.0.
ISC IV 16 20 56 10.4–.56 7.30S–.06 112.16E–.05 240–5 4.0b 109 0-148
DJA IV 16 20 56 10.6–.20 7S–3.0 112E–2.0 233–2 5.2,5.0 **¶610652887**
NEIC IV 16 20 56 10.5–2.3 7.3S–.10 112.23E–.09 234–8 4.1b,5.0
IDC IV 16 20 56 11.1–2.5 7.29S 112.06E 244–21 4.2,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.0km s-min=11.3km az=207.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=43.5km s-min=10.3km az=54.0.
ISC IV 18 10 53 29.2–1.2 8.7S–.10 108.45E–.06 55 4.2b 10 1-70
IDC IV 18 10 53 18.2–2.5 8.48S 108.13E 0 4.0,4.0b **¶610652975**
DJA IV 18 10 53 31.0–.60 9S–9.0 108E–3.0 54–35 3.8,3.8
ISC Event type ke.
IDC IV 18 19 01 27.0–2.6 8.83S 112.57E 0 3.2,3.2b ¶610653004
IDC Error ellipse: s-maj=135.4km s-min=27.7km az=48.0.
IDC IV 19 11 32 18.4–3.7 6.70S 106.61E 0 3.7,3.7b ¶610653044
IDC Error ellipse: s-maj=191.3km s-min=21.6km az=53.0.
DJA IV 20 00 49 40.7–.80 8S–3.0 108E–2.0 19–7 4.3b,4.0 ¶615346221
IDC IV 20 12 06 51.4–3.2 6.48S 108.53E 0 4.1s,3.6 ¶610653113
IDC Error ellipse: s-maj=194.8km s-min=27.9km az=52.0.
ISC IV 22 20 54 28.7–.54 7.02S–.07 105.36E–.06 35 4.2b 75 1-145
IDC IV 22 20 54 23.9–.95 6.73S 105.47E 0 4.1,4.1b **¶610653284**
NEIC IV 22 20 54 29.0–1.8 7.0S–.10 105.3E–.10 35–1 4.4b,4.1b
DJA IV 22 20 54 29.7–.70 7S–4.0 105E–3.0 20–5 4.9b,4.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 23 18 01 12.3–.30 7.84S–.03 107.93E–.03 68–2 5.1b 1440 0-177
KLM IV 23 18 01 09 8.10S 107.86E 91 5.4b **¶610547522**
MOS IV 23 18 01 09.9–1.2 7.62S 108.02E 58 5.4b
DJA IV 23 18 01 11.1–.10 8S–2.0 108E–1.0 68–2 5.7,5.5b
IDC IV 23 18 01 11.6–.98 7.72S 107.99E 57–7 5.0,4.7b
NEIC IV 23 18 01 13.3–2.5 7.74S–.08 108.02E–.05 72–4 5.2b,4.7b
GCMT IV 23 18 01 14.3–.20 8.26S–.01 108.05E–.02 67–1 5.1W,4.7b
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s88.40379°,δ60.91936°,λ84.54340°. NP2:
ϕ_s279.52280°,δ29.54412°,λ99.70273°. Principal axes: T Plg73.5058°,Azm344.7043°
; N Plg4.7670°,Azm91.0621°; P Plg15.7526°,Azm182.4100°
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function. Moment Tensor Solution. s83,c116; s96,c150;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}4.20±.14 $M_{\theta\theta}$-4.96±.11; $M_{\phi\phi}$0.75±.14; $M_{r\theta}$2.26±.10;
$M_{\theta\phi}$1.02±.11; $M_{\phi r}$-0.12±.10; Best double couple: NP1:ϕ_s96.00000°,δ58.00000°,λ86.00000°.
NP2:ϕ_s284.00000°,δ32.00000°,λ97.00000°. Principal axes: T 4.7300,Plg77.0000°
,Azm353.0000°; N 0.9190,Plg4.0000°,Azm98.0000°; P -5.6500,Plg13.0000°,Azm189.0000°
$M_0$5.19000×10^{16}
ISC IV 25 16 28 10.6–1.6 7.7S–.10 105.75E–.09 35 15 1-31
DJA IV 25 16 28 14.7–.40 7S–5.0 106E–3.0 63–8 4.5b,4.2 **¶615346246**
ISC Event type ke.
ISC IV 25 16 37 37.4–.75 7.26S–.04 105.34E–.04 33–4 4.6b,3.5s 178 1-145
IDC IV 25 16 37 33.2–.68 6.96S 105.53E 0 4.3,4.3b **¶610554306**
DJA IV 25 16 37 38.0–.40 7S–4.0 105E–3.0 45–4 5.4b,4.8
NEIC IV 25 16 37 38.0–1.9 7.18S–.09 105.32E–.09 35–1 4.7b,4.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 27 07 03 12.6–.62 8.86S–.05 112.47E–.04 78–5 4.4b 102 1-149
IDC IV 27 07 03 02.4–.71 8.58S 112.33E 0 4.3,4.3b **¶610560096**
NEIC IV 27 07 03 13.1–2.7 8.81S–.09 112.47E–.06 75–4 4.6b,4.3b
DJA IV 27 07 03 14.0–.30 9S–3.0 113E–1.0 48–6 5.7b,5.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IV 29 12 03 16.9–2.9 8.85S 112.36E 0 3.3,3.2b ¶610650306
IDC Error ellipse: s-maj=153.0km s-min=28.8km az=48.0.
IDC IV 29 12 26 53.4–2.2 8.99S 112.38E 0 3.6,3.6b ¶610650307
IDC Error ellipse: s-maj=118.0km s-min=22.4km az=48.0.
IDC IV 29 15 28 47.6–2.5 8.88S 112.43E 0 3.3,3.3b ¶610650323
IDC Error ellipse: s-maj=126.2km s-min=28.4km az=48.0.
ISC IV 29 16 37 22.9–.98 8.33S–.08 111.97E–.04 10 3.6b 17 0-61
IDC IV 29 16 37 14.5–2.3 9.06S 112.35E 0 3.5,3.5b **¶610650334**
DJA IV 29 16 37 26.6–.30 8S–5.0 112E–2.0 10 3.1,3.1
ISC Event type ke.
IDC IV 29 17 09 47.9–2.9 8.97S 112.41E 0 3.2,3.1b ¶610650338
IDC Error ellipse: s-maj=153.1km s-min=29.5km az=47.0.
IDC IV 29 18 21 25.5–2.1 7.82S 111.74E 0 4.0L,3.5 ¶610650343
IDC Error ellipse: s-maj=63.0km s-min=28.1km az=49.0.
IDC IV 29 19 46 12.4–2.6 8.73S 112.53E 0 3.4,3.4b ¶610650347
IDC Error ellipse: s-maj=136.0km s-min=28.1km az=48.0.
IDC IV 29 20 08 28.6–3.0 8.48S 112.67E 0 3.2,3.2b ¶610650349
IDC Error ellipse: s-maj=170.1km s-min=29.3km az=48.0.
IDC IV 30 01 44 46.9–2.9 8.75S 112.60E 0 3.3,3.3b ¶610650373
IDC Error ellipse: s-maj=158.6km s-min=28.9km az=48.0.
IDC IV 30 11 06 42.5–2.4 8.91S 112.39E 0 3.6,3.6b ¶610650408
IDC Error ellipse: s-maj=119.0km s-min=27.5km az=48.0.
IDC IV 30 15 51 55.9–2.8 8.83S 112.56E 0 3.2,3.1b ¶610650429
IDC Error ellipse: s-maj=158.5km s-min=26.5km az=48.0.
IDC V 01 07 08 42.6–2.4 8.93S 112.45E 0 3.5,3.4b ¶610689285
IDC Error ellipse: s-maj=118.7km s-min=27.1km az=48.0.
ISC V 01 09 10 43.2–1.1 8.2S–.10 107.80E–.06 35 3.7b 17 1-59
IDC V 01 09 10 37.6–3.2 7.70S 108.13E 0 3.8,3.8b **¶610689291**
DJA V 01 09 10 42.9–.60 8S–3.0 108E–3.0 13–4 4.6b,4.3
ISC Event type ke.
ISC V 01 09 49 27.2–2.0 8.3S–.10 107.82E–.05 30–14 3.4b 22 1-59
IDC V 01 09 49 23.3–3.0 7.71S 108.21E 0 3.6,3.6b **¶610689292**
DJA V 01 09 49 28.0–.70 8S–3.0 108E–2.0 22–7 4.2b,4.1
ISC Event type ke.
IDC V 01 13 18 58.5–3.6 8.85S 112.52E 0 3.1,3.1b ¶610689310
IDC Error ellipse: s-maj=210.5km s-min=29.9km az=47.0.
DJA V 01 14 55 55.4–.90 8S–6.0 107E–3.0 23–8 4.4b,4.2 ¶615346311
IDC V 01 18 36 41.0–2.5 8.92S 112.29E 0 3.3,3.3b ¶610689333
IDC Error ellipse: s-maj=121.2km s-min=27.4km az=47.0.
IDC V 03 06 49 48.8–2.7 8.91S 112.45E 0 3.5,3.5b ¶610689455
IDC Error ellipse: s-maj=150.0km s-min=25.6km az=48.0.
IDC V 04 02 49 44.3–2.9 8.50S 112.94E 0 3.6,3.6b ¶610689517
IDC Error ellipse: s-maj=165.4km s-min=28.5km az=48.0.
ISC V 05 23 17 31.7–1.0 8.09S–.08 107.84E–.05 57–9 4.2b 64 1-146
IDC V 05 23 17 24.2–.82 7.85S 107.91E 0 4.0,4.0b **¶610689631**
DJA V 05 23 17 29.8–.50 8S–2.0 108E–2.0 16–4 7.1,6.9
NEIC V 05 23 17 32.8–2.2 8.0S–.10 107.9E–.10 63–8 4.3b,6.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DJA V 06 23 17 49.8–.50 9S–6.0 110E–3.0 10 4.2b,3.9 ¶615346348
ISC V 07 00 53 20.4–.53 8.11S–.08 108.77E–.06 100 4.0b 61 0-143
IDC V 07 00 53 08.8–1.0 7.82S 108.80E 0 3.9,3.9b **¶610689694**
NEIC V 07 00 53 18.7–2.8 8.11S–.10 108.54E–.09 89–8 4.1b,3.9b
DJA V 07 00 53 22.0–.20 8S–5.0 109E–2.0 90–5 5.4b,4.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 07 01 12 40.6–.52 5.68S–.07 106.80E–.06 250 4.2b 76 1-145
DJA V 07 01 12 41.2–.30 6S–5.0 107E–4.0 274–3 5.3b,4.7 **¶610617930**
IDC V 07 01 12 43.9–2.9 5.47S 106.83E 298–29 4.4,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=32.3km s-min=10.8km az=53.0.
DJA V 07 16 03 24.1–.90 8S–6.0 108E–3.0 30–6 5.3b,4.2 ¶615346352
DJA V 08 20 07 21.3–.40 7S–6.0 106E–4.0 66–6 4.5b,3.9 ¶615346369
ISC V 10 17 46 41.1–.66 6.75S–.07 106.48E–.05 117–6 4.4b 102 0-146
DJA V 10 17 46 40.8–.30 7S–4.0 106E–3.0 97–3 5.6b,5.1 **¶610689979**
IDC V 10 17 46 42.2–1.1 6.44S 106.59E 125–7 4.3,4.0s
NEIC V 10 17 46 42.3–1.6 6.59S–.10 106.56E–.09 121–7 4.6b,4.0s
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 11 08 51 34.3–.58 7.64S–.05 107.09E–.04 84–5 4.5b 162 0-146
NEIC V 11 08 51 34.9–2.4 7.67S–.06 107.08E–.05 86–7 4.5b **¶610623497**
DJA V 11 08 51 34.0–.20 8S–2.0 107E–1.0 58–2 5.7b,5.2
IDC V 11 08 51 36.9–.82 7.26S 107.15E 106–6 4.3,4.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=8.5km s-min=7.0km az=190.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=19.3km s-min=10.9km az=57.0.
ISC V 16 21 06 21.6–1.3 8.8S–.10 110.73E–.05 72–13 3.2b 39 1-61
IDC V 16 21 06 22.0–2.3 8.29S 111.07E 73–27 3.5,2.9b **¶610690444**
DJA V 16 21 06 22.0–.30 9S–4.0 111E–2.0 50–21 4.2b,4.1
ISC Event type ke.
ISC V 24 05 54 02.6–.80 8.72S–.07 107.68E–.06 10 3.9b 21 1-81
IDC V 24 05 54 01.1–1.1 8.73S 107.88E 0 3.8,3.8b **¶610685273**
DJA V 24 05 54 04.9–.40 9S–3.0 108E–3.0 10 4.0,4.0
ISC Event type ke.
ISC V 24 16 44 53.7–.27 8.93S–.03 111.95E–.03 68–2 5.3b 843 1-170
BJI V 24 16 44 51.0–.00 9.10S 111.90E 70 5.4b,5.4s **¶610651510**
DJA V 24 16 44 53.5–.20 9S–2.0 112E–1.0 61–3 5.8,5.7b
MOS V 24 16 44 53.4–.87 8.73S 112.08E 76 5.5b,5.7b
NEIC V 24 16 44 53.6–2.5 8.97S–.07 111.985E–.01 58–4 5.4b,5.7b
IDC V 24 16 44 53.9–1.2 8.72S 112.07E 60–9 5.2,4.9b
GCMT V 24 16 44 54.3–.30 9.01S–.02 112.02E–.02 63–3 5.1W,4.9b
KLM V 24 16 45 09 8.52S 112.08E 204 5.7b,4.9b
ISC Event type se.
MOS Error ellipse: s-maj=10.1km s-min=6.5km az=124.9.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=1.4km az=180.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=12.2km s-min=8.8km az=78.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function. Moment Tensor Solution. s31,c37; s91,c128;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-3.09±.32 $M_{\theta\theta}$2.42±.21; $M_{\phi\phi}$0.67±.24; $M_{r\theta}$4.27±.15;
$M_{\theta\phi}$1.82±.19; $M_{\phi r}$-0.26±.15; Best double couple: NP1:ϕ_s264.00000°,δ72.00000°,λ-71.00000°.
NP2:ϕ_s36.00000°,δ25.00000°,λ-135.00000°. Principal axes: T 5.2340,Plg25.0000°
,Azm340.0000°; N 0.3820,Plg18.0000°,Azm78.0000°; P -5.6160,Plg58.0000°,Azm200.0000°
$M_0$5.42500×10^{16}

DJA V 29 02 44 47.5–.80 8S–5.0 107E–3.0 18–7 4.7b,4.4 ¶615346689
ISC VI 01 09 21 42.0–1.2 8.6S–.10 111.40E–.05 100 3.0b 22 1-61
IDC VI 01 09 21 25.2–3.2 7.84S 111.50E 0 3.5s,3.4 ¶610791049
DJA VI 01 09 21 41.8–.40 8S–8.0 111E–2.0 126–5 5.6b,5.1
ISC Event type ke.
DJA VI 01 16 51 59.2–.30 9S–4.0 109E–2.0 55–13 4.4b,4.0 ¶615347331
ISC VI 03 03 22 07.4–1.1 8.19S–.07 107.87E–.05 65–10 4.3b 53 1-144
NEIC VI 03 03 22 06.3–.88 8.0S–.10 107.94E–.08 70–11 4.4b ¶610791143
DJA VI 03 03 22 08.1–.40 8S–2.0 108E–1.0 35–6 5.4b,4.9
IDC VI 03 03 22 12.6–1.4 7.73S 108.16E 97–8 4.1,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.3km s-min=10.9km az=170.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=54.9km s-min=13.9km az=47.0.
ISC VI 03 19 16 07.9–.83 8.04S–.06 107.65E–.06 62 3.5b 27 1-69
DJA VI 03 19 16 08.8–.70 8S–4.0 108E–2.0 23–7 4.4b,4.2 ¶610791185
IDC VI 03 19 16 12.3–2.6 7.68S 107.86E 104–10 3.6,3.3b
ISC Event type ke.
IDC Error ellipse: s-maj=103.7km s-min=15.7km az=54.0.
ISC VI 10 22 06 26.3–.87 8.95S–.09 110.64E–.07 100 3.6b 28 1-62
IDC VI 10 22 06 16.2–3.5 8.49S 110.89E 0 3.8,3.8b ¶610791619
DJA VI 10 22 06 26.3–.30 9S–9.0 111E–3.0 86–22 4.4b,4.1
ISC Event type ke.
IDC VI 15 08 46 56.0–9.6 8.07S 113.02E 0 3.4,3.4b ¶610791928
IDC Error ellipse: s-maj=161.9km s-min=131.1km az=166.0.
DJA VI 18 21 12 49.0–1.1 8S–5.0 109E–2.0 15–8 4.9b,4.0 ¶615348258
ISC VI 23 18 00 13.2–.55 7.01S–.05 105.62E–.06 10 4.2b,3.2s 55 0-145
IDC VI 23 18 00 13.1–.98 7.02S 105.68E 0 3.8,3.8b ¶610789351
NEIC VI 23 18 00 13.4–1.8 7.20S–.06 105.53E–.06 10–1 4.4b,3.8b
DJA VI 23 18 00 13.7–.30 7S–2.0 106E–3.0 10 4.4,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 27 03 21 46.3–.78 8.0S–.10 108.32E–.06 100 3.8b 28 1-143
DJA VI 27 03 21 42.7–1.1 8S–4.0 108E–2.0 14–9 4.4,4.4 ¶610789537
IDC VI 27 03 21 48.6–1.1 7.76S 108.51E 112–10 3.9,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=40.9km s-min=14.4km az=48.0.
ISC VI 30 03 58 09.8–.88 7.5S–.10 110.97E–.05 220–7 3.8b 32 1-60
DJA VI 30 03 58 09.8–.30 8S–5.0 111E–2.0 215–3 4.9b,4.2b ¶610789751
IDC VI 30 03 58 11.9–3.7 7.32S 111.00E 244–54 4.0,3.6s
ISC Event type ke.
IDC Error ellipse: s-maj=113.3km s-min=14.6km az=48.0.

(278) Bali Sea.

ISC I 01 19 18 52.4–.59 7.62S–.07 115.54E–.06 300 3.9b 48 1-62
DJA I 01 19 18 52.1–.50 8S–7.0 115E–3.0 293–6 4.3b,3.9 ¶610236408
IDC I 01 19 18 53.1–2.9 7.47S 115.55E 310–24 4.0,3.3b
ISC Event type ke.
IDC Error ellipse: s-maj=50.1km s-min=11.7km az=60.0.
ISC I 07 15 51 00.2–.84 7.9S–.20 115.92E–.07 263–7 3.1b 32 1-67
DJA I 07 15 51 00.7–.20 8S–6.0 116E–2.0 261–3 5.0b,4.4b ¶610236908
IDC I 07 15 51 02.0–4.2 7.43S 116.29E 269–33 3.5,2.7b
ISC Event type ke.
IDC Error ellipse: s-maj=83.3km s-min=18.9km az=51.0.
ISC II 02 11 18 35.8–.38 6.55S–.04 115.69E–.05 564–3 5.0b 395 2-157
DJA II 02 11 18 36.2–.10 7S–2.0 116E–1.0 557–2 5.9,5.8 ¶610177523
IDC II 02 11 18 36.2–.55 6.50S 115.70E 565–5 5.1,4.2b
NEIC II 02 11 18 36.0–2.4 6.53S–.09 115.67E–.08 560–7 4.9b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 04 07 32 43.2–1.0 7.5S–.20 117.5E–.20 306 3.9b 12 7-67
IDC II 04 07 32 39.4–2.1 7.66S 117.28E 266–21 4.2,3.5b ¶610414794
ISC Event type ke.
IDC Error ellipse: s-maj=29.1km s-min=9.7km az=53.0.
ISC II 06 18 18 59.5–.64 6.8S–.10 117.33E–.08 550 3.6b 35 2-79
NEIC II 06 18 18 60.0–1.5 6.7S–.10 117.4E–.10 560–9 4.0b ¶610414988
IDC II 06 18 19 03.1–2.9 6.71S 117.73E 588–29 3.8,2.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=26.7km s-min=9.7km az=221.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=104.1km s-min=14.5km az=58.0.
IDC III 10 02 51 20.1–1.3 7.75S 115.80E 0 3.5,3.5b ¶610545917
IDC Error ellipse: s-maj=62.9km s-min=21.8km az=61.0.
ISC III 21 11 46 12.6–.87 7.7S–.10 117.23E–.08 300 3.4b 17 1-67
IDC III 21 11 45 41.0–1.8 7.66S 116.37E 0 3.7,3.6b ¶610543402
DJA III 21 11 46 14.6–.60 8S–12 117E–4.0 288–6 4.4b,4.0
ISC Event type ke.
ISC III 23 07 43 32.0–.87 8.0S–.10 117.05E–.07 300 3.5b 15 1-63
IDC III 23 07 43 00.4–2.3 8.01S 116.04E 0 3.9,3.8b ¶610543518
DJA III 23 07 43 33.6–.70 8S–10 117E–4.0 276–6 3.5,3.5
ISC Event type ke.
ISC IV 24 14 33 00.8–.59 7.76S–.08 117.19E–.07 300 3.7b 53 1-67
DJA IV 24 14 32 58.3–.50 8S–9.0 117E–3.0 309–6 5.3b,4.7 ¶610649895
IDC IV 24 14 33 00.7–3.5 7.63S 117.11E 304–32 4.1,3.3b
NEIC IV 24 14 33 00.8–1.3 7.81S–.07 117.22E–.09 279–17 4.0b,3.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 29 15 59 01.4–.36 7.70S–.05 117.04E–.05 302 4.2b 157 1-146
NEIC IV 29 15 59 01.9–2.4 7.68S–.08 117.04E–.07 309–7 4.2b ¶610589269
DJA IV 29 15 59 01.7–.10 8S–4.0 117E–1.0 298–3 4.9b,4.7
IDC IV 29 15 59 02.8–1.5 7.61S 117.08E 316–13 4.4,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.4km s-min=9.6km az=159.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=18.8km s-min=8.6km az=59.0.
ISC V 12 14 33 40.0–.67 7.76S–.09 116.63E–.08 300 3.6b 25 3-67
NEIC V 12 14 33 39.6–1.9 7.9S–.10 116.64E–.07 268–16 4.2b ¶610690135
IDC V 12 14 33 40.8–3.8 7.65S 116.72E 305–33 3.8,3.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.3km s-min=7.3km az=151.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=59.0km s-min=13.7km az=61.0.
IDC V 16 13 45 56.8–2.6 7.90S 116.17E 0 3.6,3.5b ¶610690422
IDC Error ellipse: s-maj=154.5km s-min=22.0km az=55.0.
DJA V 23 21 44 22.6–.70 8S–12 117E–4.0 301–10 3.6b,3.5 ¶615346578
IDC V 31 06 52 18.1–3.5 7.56S 116.45E 0 3.3,3.2b ¶610685771
IDC Error ellipse: s-maj=274.9km s-min=27.6km az=50.0.
DJA V 31 17 42 29.3–.40 7S–3.0 114E–3.0 10 5.7b,5.3 ¶615347285
ISC VI 26 05 57 06.6–.98 8.0S–.10 117.96E–.07 200 3.1b 12 1-63
IDC VI 26 05 56 43.7–3.2 8.14S 117.10E 0 3.4,3.3b ¶610789484
DJA VI 26 05 57 08.4–.70 8S–26 118E–6.0 204–8 3.4,3.4
ISC Event type ke.

(279) Flores Sea.

ISC I 01 10 05 01.4–.44 7.24S–.06 120.42E–.09 535 3.8b 102 1-133
DJA I 01 10 05 01.1–.20 7S–2.0 120E–3.0 533–4 4.6b,4.5 ¶610236378
NEIC I 01 10 05 01.8–1.6 7.2S–.10 120.4E–.10 535–9 4.1b,4.5
IDC I 01 10 05 01.4–.67 7.18S 120.40E 532–7 4.1,3.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=22.4km s-min=13.5km az=68.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=28.3km s-min=9.2km az=68.0.
IDC I 02 18 07 27.8–2.5 7.55S 120.81E 0 3.5L,3.2 ¶610236498
IDC Error ellipse: s-maj=295.0km s-min=29.3km az=54.0.
IDC I 05 14 41 50.7–5.4 7.96S 120.02E 219–44 3.4,2.8b ¶610236777
IDC Error ellipse: s-maj=200.9km s-min=16.1km az=58.0.
DJA I 05 15 41 46.5–.30 7S–2.0 122E–3.0 91–9 6.7b,6.5 ¶615345179
ISC I 11 18 25 53.3–.49 7.86S–.07 119.43E–.06 250 4.1b 78 2-77
IDC I 11 18 25 50.5–4.5 7.85S 119.01E 255–43 4.3,3.6b ¶610237179
NEIC I 11 18 25 54.0–1.5 7.88S–.09 119.40E–.08 254–9 4.1b,3.6b
DJA I 11 18 25 55.2–.30 8S–7.0 119E–2.0 269–9 4.9b,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DJA I 14 10 04 01.9–1.6 6S–4.0 122E–2.0 29–18 5.4b,4.8 ¶615345248
IDC I 16 01 52 22.3–2.7 7.78S 118.42E 0 3.3b,3.2 ¶610237469
IDC Error ellipse: s-maj=184.0km s-min=25.0km az=54.0.
IDC I 26 00 54 11.5–2.2 6.58S 120.29E 0 3.3,3.3b ¶610235354
IDC Error ellipse: s-maj=286.2km s-min=26.5km az=55.0.
ISC I 29 00 59 12.3–.58 7.82S–.04 122.56E–.05 255–5 4.1b 112 1-154
NEIC I 29 00 59 12.9–1.9 7.78S–.08 122.52E–.09 259–4 4.2b ¶610147564
DJA I 29 00 59 12.3–.20 8S–2.0 122E–2.0 253–2 5.3b,4.7
IDC I 29 00 59 13.4–1.1 7.71S 122.66E 265–11 4.2,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.7km s-min=9.7km az=50.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=18.3km s-min=9.0km az=68.0.
ISC I 30 07 12 59.2–.51 7.80S–.05 122.57E–.08 250 3.9b 72 1-146
IDC I 30 07 12 58.7–.92 7.61S 122.77E 240–11 4.2,3.5b ¶610235700
DJA I 30 07 12 59.2–.50 8S–5.0 122E–4.0 256–6 5.1b,4.5
NEIC I 30 07 13 00.1–2.1 7.83S–.09 122.6E–.10 257–8 4.4b,4.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 30 13 29 12.3–.55 6.48S–.06 121.45E–.06 10 4.3b 46 1-64
IDC I 30 13 29 10.7–1.2 6.40S 121.58E 0 3.9,3.8b ¶610235734
DJA I 30 13 29 13.3–.90 6S–2.0 121E–3.0 17–8 4.7b,4.6b
NEIC I 30 13 29 13.5–2.2 6.54S–.04 121.32E–.08 15–5 4.3b,4.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 01 16 48 42.2–.33 6.36S–.04 122.35E–.05 10 4.7b,3.7s 172 1-121
IDC II 01 16 48 41.4–.74 6.34S 122.28E 0 4.8L,4.6 ¶610169733
NEIC II 01 16 48 42.3–1.7 6.36S–.05 122.34E–.02 10–1 4.7b,4.6
DJA II 01 16 48 44.4–.80 6S–2.0 122E–2.0 17–6 5.2b,5.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 01 23 43 59.0–.77 6.21S–.06 122.49E–.06 35 3.9b 20 1-74
IDC II 01 23 43 54.5–.98 6.10S 122.55E 0 4.0,3.8b ¶610414634
DJA II 01 23 43 56.2–.70 6S–3.0 122E–3.0 19–6 5.2b,4.6
ISC Event type ke.
ISC II 06 04 33 14.3–.82 7.88S–.05 120.04E–.07 35 4.0b 16 2-69
IDC II 06 04 33 09.8–1.6 7.89S 120.04E 0 3.9b,3.8 ¶610414931
DJA II 06 04 33 13.6–.60 8S–4.0 120E–5.0 45–102 3.8,3.8
ISC Event type ke.
IDC II 07 01 35 29.3–2.6 7.91S 120.07E 0 3.8L,3.4 ¶610415002
IDC Error ellipse: s-maj=254.2km s-min=29.4km az=53.0.
ISC II 08 07 11 05.6–.43 7.49S–.06 121.23E–.07 550 3.9b 75 2-146
DJA II 08 07 11 05.7–.20 7S–3.0 121E–2.0 563–3 4.9b,4.4 ¶610415096
IDC II 08 07 11 06.8–.64 7.41S 121.27E 566–7 4.4,3.5b
ISC Event type se.
IDC Error ellipse: s-maj=18.0km s-min=7.5km az=61.0.
IDC II 16 00 02 08.4–1.7 6.88S 121.93E 0 3.1,3.1b ¶610415597
IDC Error ellipse: s-maj=141.6km s-min=22.0km az=48.0.
ISC III 13 04 33 43.2–1.0 7.89S–.05 120.08E–.07 10 11 2-64
IDC III 13 04 33 41.6–2.7 8.12S 119.88E 0 3.2,3.2b ¶610546111
DJA III 13 04 33 43.6–.40 8S–3.0 120E–5.0 10 3.2,3.2
ISC Event type ke.
ISC III 21 00 27 20.2–1.0 7.79S–.07 119.00E–.07 10 11 2-63
DJA III 21 00 27 20.9–.40 8S–6.0 119E–5.0 10 3.5,3.5 ¶610543366
IDC III 21 00 27 37.2–7.6 7.68S 119.64E 173–66 3.4,3.0b
ISC Event type ke.
IDC Error ellipse: s-maj=217.0km s-min=20.3km az=58.0.
IDC IV 19 01 25 12.0–1.7 6.14S 122.88E 0 3.5,3.5b ¶610653020
IDC Error ellipse: s-maj=191.2km s-min=25.9km az=60.0.
IDC IV 22 21 59 14.4–2.2 7.86S 120.47E 199–19 3.6,3.2b ¶610653288
IDC Error ellipse: s-maj=87.3km s-min=14.7km az=53.0.
ISC IV 23 01 18 28.0–.71 7.52S–.10 120.69E–.08 550 4.2b 41 1-73
IDC IV 23 01 18 29.8–1.2 7.30S 121.06E 579–17 4.1,3.1b ¶610649784
DJA IV 23 01 18 29.2–.60 8S–6.0 121E–4.0 545–7 4.8b,4.3b
ISC Event type ke.
IDC V 01 13 31 48.1–23 6.68S 122.82E 439–200 3.5,3.0b ¶610689311
IDC Error ellipse: s-maj=442.2km s-min=120.6km az=77.0.
ISC V 15 14 26 01.2–.60 7.84S–.04 119.05E–.05 34 4.0b 52 2-82
NEIC V 15 14 26 00.1–2.1 7.82S–.08 119.1E–.10 23–6 4.1b ¶610690341
DJA V 15 14 26 01.2–.90 8S–3.0 119E–3.0 27–10 4.2b,4.1
IDC V 15 14 26 08.0–3.6 7.52S 119.72E 89–33 4.0s,3.9
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.0km s-min=9.6km az=67.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=56.3km s-min=13.0km az=59.0.
ISC V 24 16 39 32.7–.66 7.52S–.08 120.06E–.06 400 41 1-31
IDC V 24 16 39 34.0–1.9 7.08S 120.50E 422–25 4.2,3.5b ¶610685307
DJA V 24 16 39 34.0–.40 7S–4.0 120E–3.0 379–5 5.1b,4.5
ISC Event type ke.
IDC V 31 14 44 32.9–5.7 6.55S 118.80E 324–158 3.5,2.8b ¶610685799
IDC Error ellipse: s-maj=310.2km s-min=143.2km az=18.0.
ISC VI 02 20 18 13.4–.66 7.5S–.10 119.46E–.06 250 3.5b 31 2-77
IDC VI 02 20 17 47.4–2.9 7.71S 118.56E 0 4.1L,3.6 ¶610791118
NEIC VI 02 20 18 14.1–2.2 7.4S–.20 119.48E–.08 263–11 4.2b,3.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 03 01 08 04.9–.88 7.5S–.10 120.73E–.10 500 3.8b 18 1-146
IDC VI 03 01 07 58.2–2.8 5.41S 124.07E 449–35 3.9,3.2b ¶615347424
DJA VI 03 01 08 05.9–.90 7S–7.0 121E–5.0 514–9 4.1b,4.0b
ISC Event type ke.
IDC VI 03 23 30 57.4–2.6 7.90S 119.28E 0 3.6L,3.3 ¶610791195
IDC Error ellipse: s-maj=228.2km s-min=28.9km az=52.0.

ISC VI 09 15 54 19.7–1.2 6.30S–.07 121.87E–.07 10 16 1-63
IDC VI 09 15 54 15.3–1.8 5.65S 122.40E 0 3.3,3.2L ¶610791547
DJA VI 09 15 54 21.0–1.8 6S–3.0 122E–3.0 22–17 5.7b,5.2
ISC Event type ke.
IDC VI 15 05 24 52.4–2.1 7.32S 120.49E 532–22 3.5,2.7b ¶610791911
IDC Error ellipse: s-maj=187.6km s-min=18.7km az=56.0.
ISC VI 19 04 39 09.4–.35 7.56S–.04 118.31E–.05 587–3 4.8b 727 1-175
BJI VI 19 04 39 06.5–.00 7.76S 118.48E 586 5.1b,4.6b ¶610681630
NEIC VI 19 04 39 09.0–2.1 7.50S–.08 118.33E–.09 571–5 4.7b,4.6b
IDC VI 19 04 39 09.5–.67 7.47S 118.33E 584–7 5.1,4.1b
DJA VI 19 04 39 09.4–.10 8S–2.0 118E–2.0 584–2 5.9,5.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 20 12 02 59.5–.38 7.97S–.05 122.82E–.05 221 4.2b 116 1-122
DJA VI 20 12 02 59.2–.30 8S–5.0 123E–3.0 223–5 5.0b,4.3 ¶610686594
NEIC VI 20 12 02 60.0–1.8 8.06S–.08 122.77E–.09 227–7 4.4b,4.3
IDC VI 20 12 02 59.6–.68 7.94S 122.83E 222–7 4.3,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.6km s-min=9.9km az=54.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=18.7km s-min=7.4km az=61.0.
IDC VI 24 20 32 31.4–2.6 7.08S 119.99E 273–21 3.4,2.7b ¶610789402
IDC Error ellipse: s-maj=135.2km s-min=15.6km az=50.0.

(280) Banda Sea.

ISC I 01 01 59 48.8–1.0 7.61S–.07 128.80E–.10 150 9 6-72
IDC I 01 01 59 51.0–7.5 7.53S 128.57E 169–80 3.6,3.0b ¶610236345
ISC Event type ke.
IDC Error ellipse: s-maj=77.1km s-min=25.7km az=36.0.
ISC I 01 14 47 11.0–.65 6.35S–.06 128.72E–.08 250 3.6b 23 5-71
IDC I 01 14 47 13.1–1.7 6.32S 128.75E 273–18 4.0,3.4b ¶610236393
ISC Event type ke.
IDC Error ellipse: s-maj=26.6km s-min=10.8km az=81.0.
IDC I 01 16 24 27.4–2.3 6.84S 129.25E 0 3.7b,3.4 ¶610236399
IDC Error ellipse: s-maj=171.7km s-min=31.6km az=68.0.
ISC I 02 03 52 56.8–.45 6.68S–.04 130.54E–.06 90 4.5b 98 2-146
NEIC I 02 03 52 56.3–2.4 6.78S–.04 130.61E–.09 91–8 4.4b ¶609949350
DJA I 02 03 52 57.9–.20 7S–2.0 131E–3.0 87–9 5.5b,5.0
IDC I 02 03 52 57.4–2.7 6.59S 130.37E 86–23 4.5,4.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.0km s-min=5.3km az=75.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=24.5km s-min=15.1km az=83.0.
IDC I 02 08 23 52.5–4.9 6.31S 130.78E 170–74 3.8,3.5b ¶610236450
IDC Error ellipse: s-maj=183.0km s-min=18.3km az=80.0.
ISC I 02 19 25 52.9–.27 7.95S–.04 123.27E–.04 250 4.5b 293 1-146
IDC I 02 19 25 52.3–.62 7.88S 123.21E 235–6 4.6,4.0b ¶609950088
DJA I 02 19 25 52.5–.10 8S–2.0 123E–1.0 233–2 5.0b,4.8
NEIC I 02 19 25 52.6–1.9 7.86S–.07 123.23E–.08 234–6 4.6b,4.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 02 22 33 34.5–.95 7.59S–.08 128.7E–.10 150 8 6-68
IDC I 02 22 33 35.1–1.8 7.44S 128.49E 147–23 3.6,2.7b ¶610236517
ISC Event type ke.
IDC Error ellipse: s-maj=28.7km s-min=14.5km az=125.0.
ISC I 03 08 45 31.7–1.1 7.67S–.10 128.8E–.10 150 3.8b 10 6-72
IDC I 03 08 45 31.2–7.7 7.34S 128.64E 129–81 3.9,3.6b ¶610236546
ISC Event type ke.
IDC Error ellipse: s-maj=72.0km s-min=27.0km az=34.0.
IDC I 03 09 19 29.7–2.0 7.37S 128.27E 166–25 4.0,3.0b ¶610236549
IDC Error ellipse: s-maj=34.0km s-min=18.4km az=106.0.
ISC I 03 15 49 09.2–.36 7.53S–.05 127.99E–.05 150 4.2b 96 3-155
DJA I 03 15 49 07.2–1.2 8S–16 128E–26 164–66 5.0b,4.7 ¶609978248
NEIC I 03 15 49 09.5–1.5 7.55S–.07 128.02E–.07 151–6 4.5b,4.7
IDC I 03 15 49 09.7–1.5 7.50S 127.90E 154–13 4.3,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=9.7km az=172.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=14.1km s-min=9.6km az=95.0.
IDC I 03 18 28 14.2–2.5 6.33S 130.82E 261–41 3.3,2.4b ¶610236573
IDC Error ellipse: s-maj=94.2km s-min=17.5km az=79.0.
ISC I 03 20 18 24.5–.57 7.19S–.07 125.47E–.09 511 3.6b 46 3-138
IDC I 03 20 18 23.6–.90 7.10S 125.55E 487–16 3.9,3.0b ¶610236581
NEIC I 03 20 18 24.4–1.2 7.1S–.10 125.6E–.10 480–12 4.3b,3.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 04 10 37 48.8–.27 6.45S–.04 130.09E–.04 146 4.6b 261 2-155
BJI I 04 10 37 46.9–.00 6.36S 129.91E 143 4.9b,4.6b ¶609977711
IDC I 04 10 37 47.7–.66 6.37S 129.94E 139–5 4.7,4.2b
DJA I 04 10 37 48.1–.20 6S–2.0 130E–2.0 143–3 5.5,5.5b
NEIC I 04 10 37 49.4–1.7 6.36S–.07 130.07E–.08 141–7 4.7b,5.5b
ISC Event type se. Moment Tensor Solution. NP1:φs272.23612°,δ44.92363°,λ142.13860°. NP2: φs31.06605°,δ64.31581°,λ51.78326°. Principal axes: T Plg53.8168°,Azm253.2523° ; N Plg33.8841°,Azm49.9091°; P Plg11.1979°,Azm147.5491°
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 04 19 12 04.0–.84 7.69S–.06 129.39E–.08 79 15 3-68
IDC I 04 19 12 04.2–1.9 7.66S 129.35E 94–24 3.9,3.2b ¶610236715
ISC Event type ke.
IDC Error ellipse: s-maj=24.4km s-min=15.0km az=114.0.
IDC I 04 21 24 28.1–4.2 6.47S 130.54E 190–62 3.3,2.9b ¶610236731
IDC Error ellipse: s-maj=146.5km s-min=23.2km az=79.0.
IDC I 05 16 22 41.2–6.1 4.45S 129.76E 111–76 4.1,4.1L ¶610236780
IDC Error ellipse: s-maj=111.5km s-min=18.3km az=85.0.
IDC I 06 02 05 58.1–2.8 6.36S 129.86E 0 3.9b,3.5 ¶610236806
IDC Error ellipse: s-maj=229.5km s-min=31.0km az=69.0.
IDC I 06 03 02 40.4–4.8 6.13S 130.13E 81–55 4.2L,4.1 ¶610236807
IDC Error ellipse: s-maj=103.1km s-min=19.8km az=75.0.
ISC I 06 05 54 23.4–1.1 5.80S–.06 131.51E–.09 61 11 2-68
DJA I 06 05 54 26.5–.60 5S–3.0 131E–6.0 131–13 4.1b,4.0 ¶610236813
IDC I 06 05 54 37.4–2.7 6.77S 131.49E 0 3.3,3.3b
ISC Event type ke.
IDC Error ellipse: s-maj=137.1km s-min=27.7km az=74.0.
IDC I 06 19 04 39.2–1.9 7.06S 128.01E 0 3.3,3.2b ¶610236849
IDC Error ellipse: s-maj=60.7km s-min=30.7km az=78.0.
ISC I 07 10 41 13.8–.48 6.07S–.05 128.73E–.06 300 4.0b 51 2-147
IDC I 07 10 41 13.9–1.3 5.99S 128.77E 303–14 4.2,3.4b ¶610236894
DJA I 07 10 41 15.2–.20 6S–3.0 129E–3.0 290–6 5.1b,4.6
NEIC I 07 10 41 15.1–.90 6.06S–.07 128.76E–.09 316–9 4.4b,4.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC I 07 18 08 44.1–3.1 5.39S 130.29E 229–47 3.5,2.7b ¶610236914
IDC Error ellipse: s-maj=96.9km s-min=18.3km az=80.0.
IDC I 07 23 37 16.2–4.6 6.82S 128.71E 0 4.2s,4.0b ¶610236929
IDC Error ellipse: s-maj=121.8km s-min=32.8km az=96.0.
IDC I 08 01 29 28.1–5.2 6.66S 130.14E 168–70 3.5,3.0b ¶610236932
IDC Error ellipse: s-maj=146.5km s-min=22.9km az=80.0.
ISC I 08 09 25 43.7–.36 7.55S–.04 128.45E–.05 151 4.2b 117 3-146
DJA I 08 09 25 43.3–.50 8S–4.0 129E–4.0 199–13 5.4b,5.0 ¶610049677
IDC I 08 09 25 43.6–1.4 7.43S 128.35E 155–14 4.4,3.8b
NEIC I 08 09 25 45.0–2.0 7.50S–.07 128.41E–.06 158–7 4.6b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC I 08 12 42 56.5–2.6 7.11S 127.48E 0 3.3b,3.0 ¶610236962
IDC Error ellipse: s-maj=312.3km s-min=34.1km az=64.0.
IDC I 08 15 14 57.1–2.7 6.44S 130.62E 0 3.2,3.2b ¶610236968
IDC Error ellipse: s-maj=163.5km s-min=33.5km az=71.0.
ISC I 09 02 13 40.8–.38 7.53S–.04 128.45E–.05 151 4.4b 134 3-146
DJA I 09 02 13 40.9–.20 8S–2.0 128E–2.0 139–3 5.3b,4.7 ¶610049854
IDC I 09 02 13 40.9–1.5 7.41S 128.34E 154–14 4.5,3.8b
NEIC I 09 02 13 41.7–2.7 7.56S–.08 128.38E–.07 160–8 4.6b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 09 04 05 58.2–1.0 4.22S–.08 129.36E–.07 35 11 1-69
IDC I 09 04 05 52.6–5.6 3.58S 130.78E 0 3.7,3.6b ¶610236991
DJA I 09 04 05 56.6–.50 4S–4.0 129E–3.0 10–5 3.6,3.6
ISC Event type ke.
ISC I 10 07 51 07.2–.54 6.80S–.05 129.79E–.06 200 4.0b 42 2-93
NEIC I 10 07 51 04.9–2.9 6.75S–.06 129.5E–.10 164–10 4.1b ¶610237064
DJA I 10 07 51 05.7–.40 7S–4.0 130E–7.0 198–8 5.2b,4.6
IDC I 10 07 51 06.5–2.4 6.73S 129.80E 174–22 4.5s,4.2
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=18.3km s-min=6.0km az=112.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=42.3km s-min=15.1km az=67.0.
IDC I 10 22 35 08.9–2.8 6.96S 129.33E 0 3.5b,3.3 ¶610237109
IDC Error ellipse: s-maj=255.0km s-min=32.6km az=68.0.
ISC I 10 23 37 24.5–.45 6.16S–.06 125.62E–.06 550 4.5b 91 3-79
DJA I 10 23 37 24.2–.20 6S–3.0 126E–2.0 543–3 5.1,4.9b ¶610051732
NEIC I 10 23 37 24.7–1.7 6.14S–.10 125.6E–.10 538–9 4.4b,4.9b
IDC I 10 23 37 25.0–.85 6.09S 125.61E 547–11 4.4,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.0km s-min=13.7km az=65.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=15.7km s-min=11.5km az=55.0.
ISC I 11 10 24 17.8–.72 5.89S–.06 129.07E–.10 300 26 3-77
NEIC I 11 10 24 18.6–1.1 5.90S–.09 129.0E–.10 280–14 4.4b ¶610237141
IDC I 11 10 24 22.1–2.2 5.65S 130.30E 339–36 4.2,2.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.6km s-min=12.5km az=108.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=77.2km s-min=15.2km az=75.0.
ISC I 11 12 23 48.1–.88 7.01S–.06 130.0E–.10 150 19 2-68
IDC I 11 12 23 49.5–3.8 6.90S 130.63E 164–51 3.8,3.4b ¶610237150
ISC Event type ke.
IDC Error ellipse: s-maj=120.5km s-min=18.5km az=82.0.
ISC I 11 15 18 48.4–.53 4.14S–.05 129.49E–.05 150 3.9b 54 1-82
NEIC I 11 15 18 46.7–2.4 4.17S–.06 129.35E–.09 113–5 4.2b ¶610237166
DJA I 11 15 18 48.3–.30 4S–2.0 130E–2.0 128–5 5.0,4.7
IDC I 11 15 18 49.0–2.5 4.04S 129.92E 147–26 4.2,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.3km s-min=7.3km az=65.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=47.7km s-min=13.7km az=80.0.
IDC I 11 15 59 23.0–2.3 6.59S 128.59E 0 3.2b,3.1 ¶610237171
IDC Error ellipse: s-maj=137.2km s-min=30.1km az=66.0.
ISC I 11 21 00 38.8–.83 6.12S–.07 129.46E–.09 209 20 3-67
IDC I 11 21 00 37.2–1.6 6.14S 129.54E 159–22 3.9,3.0s ¶610237195
NEIC I 11 21 00 38.4–2.4 6.16S–.08 129.49E–.10 173–9 4.2b,3.0s
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 11 22 44 10.0–.35 7.65S–.04 124.88E–.05 371 4.1b 147 2-96
DJA I 11 22 44 10.5–.20 8S–2.0 125E–2.0 366–3 5.7,5.5 ¶610057037
NEIC I 11 22 44 10.4–1.4 7.60S–.08 124.91E–.03 368–8 4.2b,5.5
IDC I 11 22 44 10.6–1.1 7.61S 124.98E 374–12 4.4,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.4km s-min=4.2km az=179.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=18.9km s-min=8.6km az=66.0.
ISC I 12 01 14 24.6–.99 7.0S–.10 128.3E–.10 250 3.3b 7 6-67
IDC I 12 01 14 25.0–5.0 6.92S 128.14E 245–61 3.9,3.1b ¶610237216
ISC Event type ke.
IDC Error ellipse: s-maj=57.2km s-min=21.1km az=51.0.
ISC I 12 18 48 35.7–.88 5.52S–.08 131.2E–.40 35 3.8b 11 5-77
IDC I 12 18 48 31.9–1.5 5.57S 130.49E 0 3.8,3.8b ¶610237255
ISC Event type ke.
IDC Error ellipse: s-maj=73.7km s-min=26.0km az=79.0.
IDC I 13 08 03 59.3–2.4 6.56S 130.30E 0 3.8L,3.5 ¶610237286
IDC Error ellipse: s-maj=113.4km s-min=33.2km az=70.0.
ISC I 14 19 28 44.3–1.6 6.9S–.10 128.1E–.10 300 6 5-67
IDC I 14 19 28 41.5–6.5 6.69S 128.26E 259–71 3.6,2.5b ¶610237380
ISC Event type ke.
IDC Error ellipse: s-maj=72.0km s-min=22.6km az=47.0.
ISC I 14 20 01 10.3–1.2 6.34S–.06 129.5E–.20 100 13 4-67
IDC I 14 20 00 59.9–1.9 6.41S 128.26E 0 3.4,3.2L ¶610237382
ISC Event type ke.
IDC Error ellipse: s-maj=60.6km s-min=29.6km az=81.0.
IDC I 15 20 27 26.8–1.8 6.70S 128.47E 0 3.7L,3.6 ¶610237456
IDC Error ellipse: s-maj=56.7km s-min=28.9km az=79.0.
ISC I 15 21 17 00.4–1.3 6.68S–.08 130.3E–.30 150 6 6-68
IDC I 15 21 16 58.6–6.0 6.60S 129.56E 118–76 3.2,2.9b ¶610237458
ISC Event type ke.
IDC Error ellipse: s-maj=117.0km s-min=21.9km az=84.0.
IDC I 16 03 49 54.8–2.2 6.96S 129.77E 0 3.6b,3.3 ¶610237477
IDC Error ellipse: s-maj=142.1km s-min=32.3km az=68.0.
ISC I 16 06 25 54.8–1.2 5.90S–.08 130.7E–.40 150 6 5-68
IDC I 16 06 25 56.2–4.5 5.80S 130.15E 153–60 3.5,3.0b ¶610237493
ISC Event type ke.
IDC Error ellipse: s-maj=118.6km s-min=23.3km az=80.0.
IDC I 16 23 40 22.6–2.4 6.58S 129.13E 0 3.7L,3.5 ¶610237548
IDC Error ellipse: s-maj=143.2km s-min=33.3km az=68.0.
ISC I 17 03 50 42.8–.77 6.90S–.07 129.68E–.06 100 4.0b 19 2-71
IDC I 17 03 50 33.7–1.6 6.98S 129.10E 0 4.1L,4.0 ¶610237565
DJA I 17 03 50 43.8–.40 7S–3.0 130E–5.0 83–28 5.1b,4.5
ISC Event type ke.

IDC I 18 03 33 09.3–2.7 7.88S 124.45E 370–39 3.8,3.0b ¶610237637
IDC Error ellipse: s-maj=107.6km s-min=20.5km az=53.0.
IDC I 18 13 38 40.5–2.2 6.96S 128.54E 0 3.4,3.4b ¶610237666
IDC Error ellipse: s-maj=122.5km s-min=34.3km az=66.0.
ISC I 18 16 43 31.2–.92 6.40S–.07 130.76E–.09 100 9 6-68
IDC I 18 16 43 32.5–2.2 6.26S 130.68E 96–23 3.6,3.6b **¶610237674**
ISC Event type ke.
IDC Error ellipse: s-maj=43.3km s-min=16.7km az=98.0.
IDC I 20 01 07 31.1–5.6 6.79S 129.39E 109–69 3.9,3.8L ¶610234902
IDC Error ellipse: s-maj=104.3km s-min=20.1km az=86.0.
ISC I 20 15 43 11.4–1.1 6.08S–.05 129.5E–.10 10 11 3-71
IDC I 20 15 43 10.0–1.6 6.84S 128.36E 0 3.6b,3.5 **¶610234945**
ISC Event type ke.
IDC Error ellipse: s-maj=57.2km s-min=28.7km az=75.0.
IDC I 20 22 07 49.4–2.3 7.04S 129.58E 123–25 3.6,3.3b ¶610234962
IDC Error ellipse: s-maj=29.1km s-min=20.5km az=121.0.
ISC I 21 04 12 31.3–.66 6.37S–.06 128.68E–.08 334 3.6b 27 5-71
IDC I 21 04 12 31.2–1.4 6.44S 128.61E 321–14 4.1,3.2b **¶610234974**
ISC Event type ke.
IDC Error ellipse: s-maj=20.0km s-min=11.2km az=77.0.
ISC I 21 04 27 37.8–.63 6.23S–.06 130.56E–.07 100 3.8b 29 2-151
DJA I 21 04 27 37.6–.40 6S–4.0 130E–5.0 10 5.2b,4.7 **¶610234975**
IDC I 21 04 27 39.9–2.4 6.24S 130.62E 121–23 4.0,3.4b
ISC Event type ke.
IDC Error ellipse: s-maj=32.1km s-min=19.8km az=74.0.
ISC I 21 06 30 48.4–.43 6.19S–.04 130.34E–.04 116–4 4.8b 382 2-151
BJI I 21 06 30 47.8–.00 6.51S 130.26E 140 5.1b,4.9b **¶610104710**
DJA I 21 06 30 49.5–.20 6S–2.0 130E–2.0 124–2 5.6,5.6b
NEIC I 21 06 30 49.5–1.5 6.12S–.05 130.33E–.07 118–7 5.0b,5.6b
KLM I 21 06 30 49 6.27S 130.27E 96 5.3b,5.6b
MOS I 21 06 30 49.0–.87 6.20S 130.33E 135 4.8b,5.6b
IDC I 21 06 30 50.5–1.5 6.20S 130.27E 127–12 4.7,4.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=6.2km az=108.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=11.9km s-min=5.9km az=124.3.
IDC Error ellipse: s-maj=14.1km s-min=8.6km az=62.0.
ISC I 21 16 55 26.8–.62 6.98S–.06 129.65E–.08 139 3.8b 31 2-151
IDC I 21 16 55 24.4–1.9 7.00S 129.69E 100–18 3.9,3.4b **¶610235007**
NEIC I 21 16 55 26.1–2.8 6.98S–.05 129.7E–.10 126–11 4.1b,3.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 22 07 29 24.3–.85 6.07S–.07 128.9E–.10 300 11 6-71
IDC I 22 07 29 25.9–1.6 6.08S 128.75E 322–15 3.6,2.8b **¶610235085**
ISC Event type ke.
IDC Error ellipse: s-maj=24.6km s-min=12.3km az=78.0.
ISC I 22 17 20 14.2–.82 7.68S–.07 128.29E–.08 150 16 4-68
IDC I 22 17 20 13.7–1.7 7.63S 128.21E 153–21 3.8,3.0b **¶610235124**
ISC Event type ke.
IDC Error ellipse: s-maj=26.8km s-min=15.2km az=125.0.
IDC I 22 18 00 50.1–2.9 6.83S 128.78E 0 3.7L,3.5 ¶610235127
IDC Error ellipse: s-maj=294.8km s-min=31.8km az=67.0.
IDC I 23 20 12 51.8–2.0 7.13S 128.33E 0 3.2s,3.2 ¶610235217
IDC Error ellipse: s-maj=65.1km s-min=31.1km az=79.0.
ISC I 24 00 26 10.4–.96 7.24S–.07 129.3E–.10 139 8 6-68
IDC I 24 00 26 12.7–2.4 7.21S 129.25E 144–28 4.0,3.0b **¶610235232**
ISC Event type ke.
IDC Error ellipse: s-maj=36.5km s-min=24.0km az=92.0.
ISC I 24 00 47 08.3–.48 7.50S–.05 128.19E–.05 150 3.9b 52 3-127
IDC I 24 00 47 05.2–4.0 7.16S 128.49E 119–42 4.1,3.6b **¶610235234**
NEIC I 24 00 47 09.1–2.7 7.48S–.07 128.23E–.04 146–8 4.7b,3.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 24 02 59 38.1–1.8 6.8S–.20 126.1E–.20 500 8 4-29
IDC I 24 02 59 39.8–3.1 6.98S 125.81E 521–26 4.1,3.1b **¶610235236**
ISC Event type ke.
IDC Error ellipse: s-maj=69.7km s-min=26.9km az=49.0.
ISC I 24 05 32 33.9–.81 7.60S–.08 128.55E–.07 151 3.9b 20 3-71
IDC I 24 05 32 35.1–8.1 7.51S 128.77E 170–97 3.9,3.5b **¶610235244**
DJA I 24 05 32 36.1–.40 8S–4.0 129E–3.0 139–17 5.5b,4.9
ISC Event type ke.
IDC I 24 08 43 21.3–2.3 6.77S 130.02E 0 3.7L,3.5 ¶610235256
IDC Error ellipse: s-maj=119.0km s-min=29.9km az=69.0.
ISC I 24 18 03 56.5–1.0 7.67S–.08 128.45E–.10 150 8 5-68
IDC I 24 18 03 58.0–1.9 7.46S 128.17E 167–24 3.7,2.8b **¶610235275**
ISC Event type ke.
IDC Error ellipse: s-maj=26.9km s-min=19.7km az=128.0.
IDC I 24 19 08 00.5–5.7 7.63S 129.63E 133–51 3.4,2.9b ¶610235280
IDC Error ellipse: s-maj=52.7km s-min=21.7km az=41.0.
ISC I 24 21 32 32.0–.80 7.52S–.09 127.83E–.07 142 35 3-72
DJA I 24 21 32 31.9–.40 8S–5.0 128E–3.0 224–10 5.2,5.1b **¶610235285**
IDC I 24 21 32 34.5–2.2 8.39S 128.09E 0 4.4L,4.1
NEIC I 24 21 32 34.6–1.6 7.54S–.08 127.91E–.08 168–7 4.2b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 24 22 00 38.1–.36 7.61S–.04 127.61E–.05 162 4.4b 132 4-152
DJA I 24 22 00 37.3–.20 8S–3.0 128E–3.0 192–6 5.6,5.5 **¶610114473**
IDC I 24 22 00 38.3–1.4 7.56S 127.59E 159–12 4.5,3.9b
NEIC I 24 22 00 38.6–1.0 7.54S–.06 127.65E–.07 162–6 4.4b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 24 23 22 45.1–.57 6.47S–.06 128.06E–.07 353 3.5b 45 3-70
DJA I 24 23 22 45.1–.20 7S–3.0 128E–2.0 335–5 5.1b,4.5 **¶610235287**
IDC I 24 23 22 45.3–1.4 6.47S 127.91E 346–19 4.0,3.2b
ISC Event type ke.
IDC Error ellipse: s-maj=24.3km s-min=17.3km az=98.0.
ISC I 25 10 05 00.8–.86 6.68S–.07 128.5E–.10 250 3.8b 11 6-71
IDC I 25 10 05 00.9–1.3 6.68S 128.44E 262–14 4.1,3.5b **¶610235320**
ISC Event type ke.
IDC Error ellipse: s-maj=18.8km s-min=11.4km az=97.0.
ISC I 25 10 53 35.0–.93 6.92S–.06 130.7E–.10 78 9 6-69
IDC I 25 10 53 38.0–2.5 6.83S 130.62E 108–28 4.0,3.1b **¶610235323**
ISC Event type ke.
IDC Error ellipse: s-maj=43.4km s-min=23.4km az=89.0.
ISC I 25 13 32 10.8–.90 7.77S–.07 127.93E–.09 150 9 5-68
IDC I 25 13 32 12.6–1.8 7.56S 127.73E 174–24 3.7,2.9b **¶610235329**
ISC Event type ke.
IDC Error ellipse: s-maj=31.6km s-min=17.8km az=112.0.
IDC I 25 18 57 45.2–2.3 7.96S 129.73E 0 4.2b,3.8s ¶610235339
IDC Error ellipse: s-maj=121.9km s-min=34.3km az=68.0.
ISC I 25 20 22 20.3–.85 7.04S–.06 129.17E–.07 150 34 2-68
IDC I 25 20 22 06.5–2.2 6.61S 129.08E 0 4.0L,3.8 **¶610235340**
NEIC I 25 20 22 20.7–1.9 6.9S–.10 129.0E–.10 146–19 4.2b,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 25 22 06 25.4–.84 4.31S–.08 131.1E–.10 35 3.6b 16 1-76
IDC I 25 22 06 21.1–2.3 4.51S 130.40E 0 3.8L,3.6 **¶610235344**
ISC Event type ke.
IDC Error ellipse: s-maj=200.8km s-min=25.7km az=73.0.
IDC I 26 03 58 05.1–2.3 6.20S 130.11E 0 4.4b,3.8 ¶610235361
IDC Error ellipse: s-maj=151.6km s-min=30.7km az=70.0.
IDC I 26 10 26 13.8–2.3 7.38S 128.68E 0 3.7b,3.3 ¶610235378
IDC Error ellipse: s-maj=201.3km s-min=32.1km az=66.0.
ISC I 26 14 03 03.0–1.0 6.0S–.10 125.2E–.20 550 10 4-69
IDC I 26 14 03 02.8–1.2 5.96S 125.14E 536–23 4.2,3.2b **¶610235390**
ISC Event type ke.
IDC Error ellipse: s-maj=36.7km s-min=28.1km az=119.0.
ISC I 26 21 40 25.3–.41 7.41S–.04 129.22E–.05 131 4.3b 115 2-151
IDC I 26 21 40 23.1–1.8 7.41S 129.24E 114–17 4.4,3.8b **¶610133044**
NEIC I 26 21 40 24.9–2.0 7.41S–.06 129.26E–.07 121–7 4.4b,3.8b
DJA I 26 21 40 25.5–.20 8S–2.0 129E–2.0 119–6 5.3b,4.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 27 04 52 51.4–1.0 6.74S–.08 129.58E–.10 200 20 2-25
DJA I 27 04 52 49.0–.50 7S–3.0 130E–4.0 250–12 5.2b,4.6 **¶615345444**
ISC Event type ke.
ISC I 27 19 46 15.7–.60 6.72S–.07 130.28E–.07 150 3.7b 33 2-71
NEIC I 27 19 46 13.1–1.8 6.68S–.08 130.3E–.10 114–13 4.3b **¶610235495**
IDC I 27 19 46 15.5–2.2 6.53S 130.32E 130–22 4.1,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.5km s-min=10.3km az=110.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=24.0km s-min=16.3km az=67.0.
IDC I 27 20 46 57.0–2.5 6.32S 129.83E 0 3.3b,3.1 ¶610235507
IDC Error ellipse: s-maj=164.2km s-min=32.8km az=69.0.
ISC I 28 02 01 12.2–.46 5.97S–.04 130.89E–.07 100 4.3b 77 2-151
IDC I 28 02 01 12.0–2.4 6.01S 130.91E 99–22 4.3,3.9b **¶610145107**
DJA I 28 02 01 13.1–.20 6S–2.0 131E–3.0 165–7 5.3b,4.7
NEIC I 28 02 01 14.7–1.1 5.87S–.06 130.7E–.10 116–5 4.3b,4.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC I 28 06 23 13.1–2.3 7.33S 127.23E 0 3.3,3.3L ¶610235541
IDC Error ellipse: s-maj=216.0km s-min=33.3km az=64.0.
IDC I 28 08 57 12.1–2.2 7.93S 128.83E 0 3.3b,3.2 ¶610235547
IDC Error ellipse: s-maj=127.8km s-min=29.9km az=67.0.
IDC I 28 12 21 04.0–2.8 7.17S 128.56E 0 3.3b,3.2 ¶610235557
IDC Error ellipse: s-maj=304.6km s-min=33.0km az=66.0.
IDC I 28 21 07 02.2–4.5 6.18S 130.52E 173–66 3.0,2.9b ¶610235593
IDC Error ellipse: s-maj=142.8km s-min=20.6km az=81.0.
IDC I 29 03 09 57.9–7.0 6.68S 128.35E 250–77 3.9,2.6b ¶610235611
IDC Error ellipse: s-maj=77.0km s-min=24.5km az=45.0.
IDC I 29 04 04 30.7–15 4.54S 127.07E 687–296 3.6,2.6b ¶610235613
IDC Error ellipse: s-maj=214.3km s-min=74.9km az=90.0.
ISC I 29 14 45 12.9–.78 7.57S–.07 128.37E–.07 151 3.9b 29 3-68
IDC I 29 14 45 02.5–2.3 7.61S 127.51E 0 3.9L,3.6 **¶610235653**
DJA I 29 14 45 12.6–.40 7S–3.0 128E–3.0 187–12 4.7b,4.0
NEIC I 29 14 45 14.6–.79 7.57S–.06 128.36E–.08 152–8 4.1b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 30 01 26 28.0–.85 4.40S–.06 129.78E–.05 132–7 3.5b 23 0-69
DJA I 30 01 26 29.8–.40 4S–3.0 130E–2.0 111–5 5.4b,4.8 **¶610235683**
IDC I 30 01 26 31.8–4.6 4.34S 130.50E 172–60 4.1,3.3b
ISC Event type ke.
IDC Error ellipse: s-maj=166.2km s-min=13.2km az=76.0.
ISC I 30 08 14 46.4–.94 7.13S–.07 128.81E–.08 250 3.6b 22 3-78
IDC I 30 08 14 37.9–1.7 6.83S 129.17E 0 4.0,4.0b **¶610235708**
NEIC I 30 08 14 45.7–1.8 7.0S–.10 128.46E–.09 222–21 4.5b,4.0b
DJA I 30 08 14 47.4–1.3 7S–5.0 129E–6.0 253–29 4.6b,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC I 30 10 45 45.4–1.8 7.19S 129.23E 0 3.7b,3.3 ¶610235725
IDC Error ellipse: s-maj=115.1km s-min=31.2km az=67.0.
ISC I 30 16 27 04.9–.75 6.98S–.07 129.08E–.08 156 23 2-68
NEIC I 30 16 27 05.4–2.8 6.97S–.08 129.19E–.10 178–16 4.4b **¶610235746**
IDC I 30 16 27 06.6–1.9 6.92S 129.24E 181–26 3.8,2.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.3km s-min=11.1km az=80.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=35.0km s-min=17.4km az=103.0.
IDC I 30 20 26 56.4–2.1 6.77S 129.03E 0 3.6b,3.5 ¶610235760
IDC Error ellipse: s-maj=149.6km s-min=31.0km az=67.0.
IDC I 31 01 28 28.3–2.2 6.96S 129.26E 0 3.5b,3.2 ¶610235767
IDC Error ellipse: s-maj=151.6km s-min=32.5km az=68.0.
ISC I 31 05 52 29.3–.86 6.83S–.06 129.96E–.09 200 16 2-68
IDC I 31 05 52 10.3–2.2 6.10S 130.41E 0 4.0,4.0b **¶610235779**
DJA I 31 05 52 28.3–.30 7S–2.0 130E–3.0 194–7 5.1b,4.6
ISC Event type ke.
IDC I 31 08 15 02.0–9.1 7.50S 129.43E 170–98 3.4,2.9b ¶610235797
IDC Error ellipse: s-maj=107.0km s-min=38.7km az=73.0.
ISC I 31 08 53 39.4–.62 7.50S–.05 128.72E–.07 151 3.8b 41 3-82
IDC I 31 08 53 39.5–1.7 7.44S 128.70E 146–16 4.0,3.7s **¶610235804**
DJA I 31 08 53 39.9–.30 7S–3.0 129E–3.0 205–10 4.8b,4.7
NEIC I 31 08 53 40.7–2.3 7.42S–.10 128.70E–.07 155–10 4.1b,4.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC I 31 08 54 51.0–1.4 7.50S 126.90E 0 4.0L,3.8 ¶610235805
IDC Error ellipse: s-maj=147.3km s-min=28.1km az=66.0.
ISC I 31 15 55 56.8–.25 7.04S–.03 125.44E–.03 503–2 5.3b 1580 3-172
BJI I 31 15 55 51.3–.00 7.35S 125.86E 488 5.2b,4.8b **¶610159185**
KLM I 31 15 55 53 7.39S 125.42E 408 5.5b,4.8b
MOS I 31 15 55 55.9–.84 6.94S 125.43E 497 5.3b,4.8b
IDC I 31 15 55 56.9–.32 7.05S 125.39E 500–3 5.6,4.7b
NEIC I 31 15 55 57.0–2.5 7.00S–.08 125.41E–.08 493–5 5.4,5.3b
DJA I 31 15 55 57.2–.10 7S–2.0 125E–1.0 503–2 6.1,5.7b
GCMT I 31 15 55 58.0–.20 7.05S–.02 125.31E–.02 511–1 5.4W,5.7b
NEIC I 31 15 56 00 7.40S 125.41E 490 5.4W,5.7b
ISC Event type se. Moment Tensor Solution. NP1:ϕs190.30904°,δ33.36946°,λ-146.77643°. NP2: ϕs71.63074°,δ72.46018°,λ-61.14716°. Principal axes: T Plg22.1748°,Azm140.0090° ; N Plg27.3953°,Azm242.2033°; P Plg53.4785°,Azm16.6159°
MOS Error ellipse: s-maj=7.9km s-min=4.5km az=111.1.
IDC Error ellipse: s-maj=7.4km s-min=4.8km az=57.0.
NEIC Event type se. Error ellipse: s-maj=12.3km s-min=11.2km az=56.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. Moment Tensor Solution. s97,c140;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.62±.03 $M_{\theta\theta}$0.21±.05; $M_{\phi\phi}$0.40±.05; $M_{r\theta}$-0.75±.05; $M_{\theta\phi}$1.22±.05; $M_{\phi r}$0.55±.05; Best double couple: NP1:ϕs80.00000°

,δ65.00000°,λ-33.00000°. NP2:ϕ_s186.00000°,δ60.00000°,λ-151.00000°. Principal axes:
T 1.5390,Plg3.0000°,Azm134.0000°; N 0.1670,Plg49.0000°,Azm228.0000°
; P -1.7060,Plg40.0000°,Azm41.0000° $M_0$1.62200×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 8s0 Moment tensor: Scale 10^{17}Nm;
M_{rr}-0.81 $M_{\theta\theta}$0.76 $M_{\phi\phi}$0.05 $M_{r\theta}$-0.82 $M_{r\phi}$1.06 $M_{\theta\phi}$0.46 NP1:ϕ_s200.00000°,δ49.00000°
,λ-149.00000°. NP2:ϕ_s89.00000°,δ67.00000°,λ-45.00000°. Principal axes:
T 1.6059,Plg11.0000°,Azm148.0000°; N 0.0387,Plg41.0000°,Azm248.0000°
; P -1.6446,Plg47.0000°,Azm46.0000° $M_0$1.63000×10^{17}
IDC I 31 19 02 36.7–2.1 6.39S 129.17E 0 3.6b,3.5L
¶610235839
IDC Error ellipse: s-maj=134.7km s-min=30.5km az=68.0.
IDC I 31 23 50 15.4–2.3 6.42S 129.48E 0 3.6L,3.5
¶610235851
IDC Error ellipse: s-maj=154.5km s-min=31.1km az=68.0.
IDC II 01 02 53 29.8–8.7 7.56S 128.01E 169–94 3.7,2.8b
¶610414584
IDC Error ellipse: s-maj=91.8km s-min=27.2km az=37.0.
ISC II 02 02 03 37.1–.84 7.25S–.09 126.6E–.10 400 3.4b 10 4-70
IDC II 02 02 03 37.3–1.3 7.28S 126.54E 407–17 3.9,3.1b ¶610414641
ISC Event type ke.
IDC Error ellipse: s-maj=27.5km s-min=12.9km az=67.0.
ISC II 02 14 39 45.8–.50 6.19S–.04 130.03E–.06 146 4.2b 57 2-78
DJA II 02 14 39 44.8–.30 6S–2.0 130E–3.0 193–5 5.0b,4.6b ¶610414681
IDC II 02 14 39 46.0–2.2 6.16S 129.95E 143–20 4.4,3.9b
ISC Event type ke.
IDC Error ellipse: s-maj=26.4km s-min=14.2km az=115.0.
IDC II 02 18 01 07.3–2.0 6.77S 129.26E 0 3.8L,3.7
¶610414690
IDC Error ellipse: s-maj=57.0km s-min=30.6km az=74.0.
IDC II 02 22 35 55.4–2.5 7.09S 129.41E 0 3.1,2.9b
¶610414702
IDC Error ellipse: s-maj=173.3km s-min=34.6km az=68.0.
ISC II 03 02 35 46.8–.81 7.4S–.10 123.8E–.20 600 3.5b 13 3-69
IDC II 03 02 35 46.5–.68 7.32S 123.77E 590–11 3.9,3.0b ¶610414711
ISC Event type ke.
IDC Error ellipse: s-maj=30.3km s-min=18.5km az=72.0.
IDC II 04 01 44 35.2–2.3 6.55S 129.19E 0 3.7L,3.5
¶610414779
IDC Error ellipse: s-maj=124.5km s-min=32.8km az=68.0.
ISC II 04 04 07 03.9–1.0 6.57S–.10 128.84E–.07 10 9 3-73
IDC II 04 04 07 04.4–2.0 6.67S 128.87E 0 4.0L,3.9 ¶610414782
ISC Event type ke.
IDC Error ellipse: s-maj=150.1km s-min=30.2km az=67.0.
IDC II 04 06 26 34.5–7.0 6.02S 127.68E 398–85 3.6,2.7b
¶610414789
IDC Error ellipse: s-maj=122.5km s-min=27.7km az=51.0.
IDC II 04 08 42 29.7–6.0 7.81S 128.47E 158–62 3.6,2.9b
¶610414798
IDC Error ellipse: s-maj=58.5km s-min=23.0km az=42.0.
ISC II 04 08 45 50.9–.36 6.59S–.04 128.18E–.06 318 4.2b 117 3-152
DJA II 04 08 45 51.3–.20 7S–2.0 128E–3.0 330–4 5.2b,5.0 ¶610195891
NEIC II 04 08 45 51.4–1.0 6.55S–.07 128.11E–.07 318–7 4.4b,5.0
IDC II 04 08 45 51.4–1.5 6.55S 128.15E 322–15 4.5,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=6.8km az=222.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=20.5km s-min=9.1km az=79.0.
IDC II 04 10 42 22.8–3.7 5.86S 126.99E 425–43 3.5,2.6b
¶610414807
IDC Error ellipse: s-maj=122.8km s-min=17.7km az=70.0.
ISC II 04 19 28 25.5–.99 6.94S–.07 129.68E–.08 200 15 2-68
IDC II 04 19 28 24.8–2.1 6.78S 129.55E 154–23 4.2,3.6b ¶610414841
ISC Event type ke.
IDC Error ellipse: s-maj=27.6km s-min=19.3km az=117.0.
ISC II 05 04 38 56.6–.47 6.08S–.04 130.73E–.06 124 4.4b 90 2-151
IDC II 05 04 38 55.8–2.3 6.09S 130.61E 109–23 4.4,3.8b ¶610197596
NEIC II 05 04 38 56.7–2.6 6.06S–.06 130.73E–.04 125–10 4.3b,3.8b
DJA II 05 04 38 57.2–.20 6S–2.0 131E–3.0 143–5 5.5b,5.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC II 05 14 04 52.5–2.2 7.75S 126.80E 0 3.5L,3.4
¶610414885
IDC Error ellipse: s-maj=286.0km s-min=33.2km az=62.0.
ISC II 05 21 12 31.7–.98 4.11S–.07 129.24E–.05 10 12 1-65
IDC II 05 21 12 30.4–1.7 4.05S 129.08E 0 3.4,3.2b ¶610414910
DJA II 05 21 12 32.1–.50 4S–6.0 129E–3.0 10 6.2b,5.9
ISC Event type ke.
ISC II 05 23 42 57.8–.72 6.47S–.05 129.43E–.08 100 4.1b 28 2-71
IDC II 05 23 42 48.0–1.6 6.78S 128.28E 0 4.3b,3.9 ¶610414915
NEIC II 05 23 42 59.7–2.2 6.47S–.06 129.54E–.09 117–6 4.0b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 07 10 45 36.6–.97 4.08S–.08 127.4E–.10 300 20 1-64
DJA II 07 10 45 35.3–.30 4S–4.0 127E–4.0 283–4 4.8b,4.2b ¶610415037
IDC II 07 10 45 38.9–2.8 4.12S 127.57E 315–33 4.1,3.2b
ISC Event type ke.
IDC Error ellipse: s-maj=47.0km s-min=13.7km az=70.0.
ISC II 07 14 34 23.8–1.1 7.09S–.08 130.0E–.10 200 11 2-68
IDC II 07 14 34 05.7–2.6 6.31S 130.19E 0 3.5L,3.2 ¶610415049
DJA II 07 14 34 22.6–.40 7S–4.0 130E–5.0 186–10 4.2,4.1
ISC Event type ke.
ISC II 08 08 14 57.1–.52 7.28S–.04 129.34E–.05 137–5 4.8b 191 2-151
BJI II 08 08 14 50.3–.00 7.75S 129.63E 129 5.2b,4.7b ¶610198962
NEIC II 08 08 14 56.6–1.9 7.29S–.06 129.38E–.06 134–6 4.8b,4.7b
DJA II 08 08 14 57.2–.20 7S–2.0 129E–2.0 112–4 5.5b,5.2
IDC II 08 08 14 57.4–1.7 7.20S 129.28E 137–15 4.7,4.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=7.2km az=134.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=15.8km s-min=9.1km az=81.0.
ISC II 08 17 02 34.5–.53 7.37S–.05 128.66E–.06 151 4.1b 45 3-151
NEIC II 08 17 02 36.1–2.2 7.34S–.08 128.63E–.06 168–8 4.3b ¶610415133
IDC II 08 17 02 37.0–1.7 7.32S 128.54E 173–16 4.2,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.3km s-min=9.1km az=170.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=24.6km s-min=12.8km az=62.0.
IDC II 09 18 14 24.7–2.4 6.62S 129.93E 0 3.4b,3.2
¶610415194
IDC Error ellipse: s-maj=146.9km s-min=32.5km az=69.0.
IDC II 09 22 36 58.4–1.6 5.67S 124.56E 0 3.8,3.6b
¶610415202
IDC Error ellipse: s-maj=214.2km s-min=26.9km az=61.0.
IDC II 09 22 44 32.2–1.7 6.15S 129.04E 0 3.7L,3.6
¶610415203
IDC Error ellipse: s-maj=65.6km s-min=28.2km az=79.0.
IDC II 10 23 56 40.3–1.5 6.80S 127.08E 439–20 4.0,2.4b
¶610415267
IDC Error ellipse: s-maj=33.5km s-min=15.0km az=72.0.
IDC II 11 07 17 13.6–2.3 6.50S 128.47E 0 3.4b,3.2L
¶610415294
IDC Error ellipse: s-maj=131.8km s-min=33.3km az=66.0.
IDC II 11 18 22 33.3–2.2 7.84S 129.29E 0 3.5b,3.4
¶610415329
IDC Error ellipse: s-maj=121.1km s-min=33.7km az=67.0.
IDC II 11 21 36 23.7–1.8 6.46S 129.73E 0 3.6b,3.4
¶610415334
IDC Error ellipse: s-maj=73.2km s-min=28.8km az=80.0.
ISC II 12 01 41 23.7–.86 5.99S–.06 131.1E–.20 100 15 2-68
IDC II 12 01 41 22.6–4.6 5.92S 130.74E 90–61 4.1,4.1L ¶610415346
ISC Event type ke.
IDC Error ellipse: s-maj=127.1km s-min=19.1km az=83.0.
IDC II 12 14 25 42.0–4.3 6.31S 129.79E 110–52 3.5,3.1b
¶610415383
IDC Error ellipse: s-maj=84.9km s-min=24.9km az=81.0.
ISC II 12 22 05 26.0–.40 7.46S–.05 128.56E–.05 151 4.3b 110 3-151
NEIC II 12 22 05 25.4–1.9 7.43S–.07 128.63E–.07 143–7 4.5b ¶610415403
DJA II 12 22 05 26.0–1.4 8S–3.0 129E–3.0 26–14 5.6b,5.1
IDC II 12 22 05 26.8–1.9 7.43S 128.39E 156–18 4.4,3.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=9.2km az=149.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=18.7km s-min=13.3km az=83.0.
ISC II 13 18 44 55.5–.91 7.20S–.07 129.8E–.10 100 9 6-68
IDC II 13 18 44 57.1–2.4 7.14S 129.68E 105–26 3.9,3.5b ¶610415464
ISC Event type ke.
IDC Error ellipse: s-maj=34.1km s-min=19.7km az=79.0.
ISC II 14 08 06 28.5–.96 4.5S–.10 126.53E–.09 300 13 1-64
IDC II 14 08 05 55.5–1.9 3.82S 125.56E 0 3.7L,3.4 ¶610415496
DJA II 14 08 06 28.5–.30 4S–4.0 127E–3.0 312–4 4.9b,4.2
ISC Event type ke.
ISC II 14 16 14 42.0–.73 6.73S–.06 128.24E–.07 250 3.2b 18 3-67
IDC II 14 16 14 42.0–1.3 6.64S 128.21E 236–16 3.8,3.1b ¶610415512
ISC Event type ke.
IDC Error ellipse: s-maj=23.1km s-min=12.6km az=115.0.
ISC II 15 03 24 12.0–.72 7.32S–.05 129.21E–.06 150 3.8b 31 2-128
DJA II 15 03 24 12.9–.30 7S–3.0 129E–3.0 174–8 5.2b,4.5b ¶610415538
IDC II 15 03 24 12.7–2.1 7.25S 129.40E 160–22 4.3,3.3b
ISC Event type ke.
IDC Error ellipse: s-maj=34.6km s-min=20.8km az=92.0.
ISC II 16 20 27 59.0–.68 6.92S–.06 128.23E–.07 250 3.5b 23 5-71
IDC II 16 20 27 58.4–1.2 6.92S 128.23E 229–12 4.1,3.3b ¶610415647
ISC Event type ke.
IDC Error ellipse: s-maj=17.5km s-min=11.0km az=95.0.
ISC II 16 23 24 59.1–.70 7.48S–.07 128.56E–.07 151 3.5b 26 5-71
IDC II 16 23 24 59.0–1.5 7.47S 128.56E 154–17 4.1,3.3b ¶610415653
DJA II 16 23 25 00.1–.30 7S–4.0 128E–3.0 151–14 5.5b,5.0
ISC Event type ke.
ISC II 17 05 30 20.0–.64 6.15S–.06 127.81E–.08 400 3.7b 22 3-74
DJA II 17 05 30 17.2–1.1 6S–7.0 128E–8.0 462–18 4.5b,4.1 ¶610415666
IDC II 17 05 30 19.2–1.1 6.14S 127.87E 390–12 4.2,3.3b
ISC Event type ke.
IDC Error ellipse: s-maj=16.8km s-min=9.6km az=81.0.
ISC II 17 10 58 01.8–.57 7.15S–.07 129.39E–.07 139 4.2b 33 2-91
IDC II 17 10 57 48.4–2.3 6.74S 129.50E 0 4.0b,3.9L ¶610415686
NEIC II 17 10 58 01.1–2.2 6.96S–.08 129.30E–.08 116–8 4.6b,3.9L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC II 17 13 02 08.2–1.7 6.75S 128.44E 0 4.0b,3.7
¶610415696
IDC Error ellipse: s-maj=58.2km s-min=28.9km az=77.0.
IDC II 17 13 46 20.9–2.4 6.69S 129.27E 0 3.2,3.2b
¶610415699
IDC Error ellipse: s-maj=164.8km s-min=32.6km az=68.0.
ISC II 17 16 25 21.3–.96 7.49S–.07 129.3E–.10 150 12 5-68
IDC II 17 16 25 06.1–2.4 6.74S 129.52E 0 3.3L,3.1 ¶610415708
ISC Event type ke.
IDC Error ellipse: s-maj=145.5km s-min=34.1km az=68.0.
IDC II 18 02 42 33.4–5.3 6.46S 129.91E 106–67 4.1s,3.5
¶610415740
IDC Error ellipse: s-maj=109.6km s-min=19.9km az=85.0.
ISC II 18 07 10 49.0–.65 7.03S–.07 125.9E–.10 500 3.8b 32 3-147
DJA II 18 07 10 48.8–.40 7S–4.0 126E–4.0 515–5 4.7b,4.3 ¶610415746
IDC II 18 07 10 49.3–.97 6.96S 125.83E 505–13 4.1,3.4b
ISC Event type ke.
IDC Error ellipse: s-maj=25.6km s-min=14.5km az=70.0.
ISC II 18 18 09 17.5–.69 6.95S–.08 126.52E–.09 412 3.5b 22 4-70
IDC II 18 18 09 18.1–2.1 6.94S 126.67E 417–25 3.9,3.3b ¶610415771
ISC Event type ke.
IDC Error ellipse: s-maj=46.7km s-min=11.7km az=68.0.
ISC II 19 10 50 22.0–1.4 6.1S–.10 127.8E–.10 300 8 6-70
IDC II 19 10 50 18.7–8.2 5.70S 127.79E 257–90 3.7,3.1b ¶610415810
ISC Event type ke.
IDC Error ellipse: s-maj=86.4km s-min=23.9km az=46.0.
IDC II 19 20 07 28.5–6.9 6.96S 129.09E 101–87 3.4,3.4L
¶610415838
IDC Error ellipse: s-maj=144.2km s-min=25.8km az=82.0.
IDC II 20 05 57 23.6–2.5 5.87S 130.26E 0 4.5s,3.8b
¶610384672
IDC Error ellipse: s-maj=172.4km s-min=30.5km az=70.0.
ISC II 20 10 46 19.4–.38 6.96S–.06 125.75E–.06 524 4.2b 114 3-147
DJA II 20 10 46 19.6–.20 7S–3.0 126E–3.0 514–3 4.8b,4.7 ¶610235860
IDC II 20 10 46 19.4–.73 7.01S 125.73E 521–8 4.4,3.5b
NEIC II 20 10 46 20–1.4 6.92S–.08 125.8E–.10 524–7 4.3b,3.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC II 20 15 10 08.1–1.9 4.40S 131.11E 0 3.2b,3.1
¶610384691
IDC Error ellipse: s-maj=112.4km s-min=27.3km az=81.0.
ISC II 20 18 55 58.7–1.2 5.25S–.08 130.0E–.20 200 13 1-67
IDC II 20 18 55 40.8–1.7 5.22S 128.28E 0 3.9L,3.8 ¶610384697
ISC Event type ke.
IDC Error ellipse: s-maj=123.9km s-min=25.4km az=65.0.
IDC II 20 20 19 35.0–2.9 6.72S 128.12E 0 3.8L,3.5
¶610384701
IDC Error ellipse: s-maj=321.1km s-min=32.7km az=66.0.
ISC II 20 23 21 19.6–.94 6.46S–.08 131.0E–.40 100 3.7b 9 6-68
IDC II 20 23 21 10.2–1.2 6.64S 129.43E 0 3.8,3.8b ¶610384712
ISC Event type ke.
IDC Error ellipse: s-maj=67.0km s-min=21.3km az=73.0.
ISC II 21 12 48 17.5–.83 6.62S–.07 130.10E–.08 146 4.4b 32 2-24
DJA II 21 12 48 16.8–.20 7S–2.0 130E–3.0 184–8 5.0b,4.7 ¶612488844
ISC Event type ke.
IDC II 21 13 17 53.6–1.9 6.92S 128.37E 0 3.4,3.3b
¶610384754
IDC Error ellipse: s-maj=61.8km s-min=30.0km az=80.0.
ISC II 21 21 06 05.4–.94 4.29S–.08 129.53E–.06 35 13 0-66
IDC II 21 21 06 01.7–2.5 4.16S 128.74E 0 3.2,3.0b ¶610384773
DJA II 21 21 06 05.6–.30 4S–4.0 130E–4.0 10 4.7b,3.8
ISC Event type ke.
IDC II 22 04 48 39.1–2.5 6.67S 129.58E 0 3.2b,3.2L
¶610384786
IDC Error ellipse: s-maj=165.8km s-min=34.0km az=68.0.
ISC II 22 12 35 32.3–.85 6.41S–.06 130.31E–.10 150 21 2-73
IDC II 22 12 35 20.2–2.0 6.49S 129.12E 0 4.1b,3.8 ¶610384807
DJA II 22 12 35 30.8–.30 6S–3.0 130E–4.0 190–10 4.9b,4.2
ISC Event type ke.
IDC II 22 13 39 00.1–1.6 6.47S 130.11E 0 3.7,3.5b
¶610384811
IDC Error ellipse: s-maj=59.3km s-min=27.0km az=54.0.
ISC II 22 16 16 57.5–.91 7.75S–.08 127.75E–.08 100 20 4-21
DJA II 22 16 16 56.7–.30 8S–4.0 128E–3.0 128–14 4.1,4.1 ¶612488858
ISC Event type ke.
IDC II 22 22 48 35.9–2.8 5.54S 127.27E 0 3.2b,3.2L

¶610384833
IDC Error ellipse: s-maj=354.1km s-min=31.7km az=65.0.
IDC II 23 03 05 50.0–4.9 6.19S 130.18E 392–60 3.8,2.8b
¶610384841
IDC Error ellipse: s-maj=96.0km s-min=19.6km az=73.0.
ISC II 23 19 13 57.8–1.1 7.58S–.10 128.3E–.10 200 9 5-68
IDC II 23 19 13 38.4–2.3 6.62S 128.70E 0 3.9L,3.4 ¶610384893
ISC Event type ke.
IDC Error ellipse: s-maj=138.8km s-min=32.8km az=67.0.
ISC II 23 20 03 39.0–.67 7.45S–.07 128.62E–.07 200 3.5b 39 3-73
NEIC II 23 20 03 38.8–2.7 7.39S–.07 128.6E–.10 182–12 4.0b ¶610384896
DJA II 23 20 03 38.4–.30 7S–3.0 129E–3.0 214–8 4.8b,4.3
IDC II 23 20 03 40.8–3.5 7.39S 128.41E 193–31 4.0,3.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.0km s-min=7.1km az=118.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=46.6km s-min=19.1km az=52.0.
ISC II 23 21 41 35.8–.63 7.82S–.07 127.89E–.09 100 3.7b 31 3-151
IDC II 23 21 41 23.6–.85 7.63S 127.78E 0 4.2L,3.9 ¶610384900
DJA II 23 21 41 35.6–.30 8S–3.0 128E–3.0 53–22 5.1b,4.5
ISC Event type ke.
IDC II 24 22 47 06.2–2.4 6.77S 129.51E 0 3.7L,3.5
¶610384963
IDC Error ellipse: s-maj=148.3km s-min=33.2km az=68.0.
IDC II 25 03 03 01.3–2.2 6.62S 128.86E 0 3.6b,3.6L
¶610384974
IDC Error ellipse: s-maj=144.1km s-min=31.6km az=67.0.
ISC II 26 08 56 28.0–.45 7.01S–.05 129.78E–.06 100 4.3b 82 2-146
IDC II 26 08 56 21.9–3.7 6.94S 129.70E 47–37 4.8L,4.3 ¶610241381
DJA II 26 08 56 28.6–.40 7S–3.0 130E–4.0 164–8 5.1b,4.8b
NEIC II 26 08 56 28.7–1.8 7.00S–.07 129.72E–.09 108–9 4.2b,4.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 26 09 33 46.2–.68 7.47S–.07 128.5E–.10 151 3.9b 24 5-83
IDC II 26 09 33 43.2–9.9 7.50S 128.17E 118–102 3.8,3.6L ¶610385048
NEIC II 26 09 33 46.8–2.3 7.44S–.06 128.5E–.10 155–8 4.2b,3.6L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC II 26 14 24 58.7–11 6.02S 129.50E 370–141 3.2,2.5b
¶610385070
IDC Error ellipse: s-maj=138.9km s-min=52.1km az=68.0.
IDC II 26 20 19 08.9–1.8 5.71S 126.98E 0 3.6b,3.5
¶610385082
IDC Error ellipse: s-maj=123.5km s-min=30.3km az=64.0.
ISC II 27 10 16 32.5–.72 7.60S–.07 127.90E–.07 150 3.5b 26 3-127
IDC II 27 10 16 27.8–8.6 7.79S 127.32E 104–86 4.5L,3.9 ¶610385120
DJA II 27 10 16 31.7–.40 8S–4.0 128E–5.0 218–18 5.1b,4.5
ISC Event type ke.
ISC II 27 18 04 26.0–.82 4.17S–.07 129.50E–.06 10 14 1-66
IDC II 27 18 04 24.3–1.9 4.24S 129.41E 0 3.7b,3.5 ¶610385145
DJA II 27 18 04 26.7–.40 4S–5.0 130E–3.0 10–5 4.6b,3.8
ISC Event type ke.
IDC II 28 05 17 34.0–2.4 6.75S 128.66E 0 3.5b,3.4
¶610385172
IDC Error ellipse: s-maj=208.5km s-min=32.4km az=67.0.
IDC II 28 16 53 46.4–2.3 7.01S 128.85E 0 3.7L,3.5
¶610385214
IDC Error ellipse: s-maj=125.0km s-min=33.1km az=67.0.
ISC II 28 18 16 37.7–.63 7.05S–.08 125.4E–.10 511 3.5b 51 3-80
IDC II 28 18 16 37.7–3.3 6.99S 125.49E 503–46 3.8,2.9b ¶610385218
NEIC II 28 18 16 37.6–1.6 7.00S–.09 125.43E–.08 498–12 4.2b,2.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 28 21 47 09.7–1.1 7.4S–.40 126.5E–.80 35 3.8b 8 15-70
IDC II 28 21 47 04.9–1.2 7.27S 126.12E 0 3.8,3.8b ¶610385231
ISC Event type ke.
IDC Error ellipse: s-maj=221.7km s-min=20.9km az=64.0.
ISC III 01 05 00 36.8–.38 7.72S–.05 127.49E–.06 162 4.4b 100 4-146
IDC III 01 05 00 34.6–4.3 7.67S 127.45E 143–40 4.3,3.8b ¶610242097
NEIC III 01 05 00 37.1–1.8 7.67S–.07 127.59E–.07 167–8 4.5b,3.8b
DJA III 01 05 00 37.2–.20 8S–3.0 127E–3.0 184–6 5.2,5.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 01 05 01 12.7–.52 7.70S–.07 129.4E–.10 79 4.4b 38 2-128
IDC III 01 05 01 02.8–.80 7.73S 129.33E 0 4.4,4.4b ¶610545294
NEIC III 01 05 01 17.7–2.0 7.84S–.08 129.72E–.09 142–6 4.4b,4.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 01 06 59 41.2–.28 6.40S–.03 130.02E–.03 151–2 5.4b 864 2-158
BJI III 01 06 59 35.0–.00 6.83S 130.43E 147 5.5b,5.2b ¶610242101
MOS III 01 06 59 39.5–.86 6.35S 130.04E 145 5.4b,5.2b
NEIC III 01 06 59 40.3 6.36S 130.02E 127 5.4b,5.2b
NEIC III 01 06 59 40.3 6.46S 130.43E 130 5.4b,5.2b
IDC III 01 06 59 41.3–.65 6.40S 129.99E 151–5 5.3,4.9b
NEIC III 01 06 59 41.4–1.9 6.37S–.06 130.04E–.03 141–1 5.5b,5.3
DJA III 01 06 59 41.7–.10 6S–1.0 130E–1.0 155–2 5.9,5.8b
GCMT III 01 06 59 44.4–.20 6.37S–.01 130.13E–.01 152–1 5.3W,5.8b
KLM III 01 06 59 44 6.26S 130.21E 177 5.8b,5.8b
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s256.66266°,δ25.32368°,λ153.09898°. NP2: ϕ_s11.29874°,δ78.84129°,λ67.12035°. Principal axes: T Plg50.8960°,Azm255.4576° ; N Plg22.4233°,Azm15.9676°; P Plg30.1532°,Azm119.8373° Moment Tensor Solution. NP1: ϕ_s109.98116°,δ20.62418°,λ34.62215°. NP2:ϕ_s347.11160°,δ78.45559°,λ107.20830°. Principal axes: T Plg53.4464°,Azm277.6754°; N Plg16.8497°,Azm163.5649°; P Plg31.3509° ,Azm62.9321°
MOS Error ellipse: s-maj=8.7km s-min=4.9km az=122.2.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2s2 Moment tensor: Scale 10^{17}Nm; M_{rr}0.24 $M_{\theta\theta}$-0.66 $M_{\phi\phi}$0.42 $M_{r\theta}$0.18 $M_{\theta\phi}$-0.16 $M_{\phi r}$0.85 NP1:ϕ_s34.93000°,δ81.01000° ,λ53.19000°. NP2:ϕ_s293.14000°,δ37.74000°,λ165.21000°. Principal axes: T 1.1900,Plg42.0000°,Azm270.0000°; N -0.3500,Plg36.0000°,Azm42.0000° ; P -0.8400,Plg27.0000°,Azm153.0000° $M_0$1.01000×10^{17}
IDC Error ellipse: s-maj=10.2km s-min=6.8km az=54.0.
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=4.4km az=196.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s99,c134; s129,c206;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}0.36±.02 $M_{\theta\theta}$-0.24±.03; $M_{\phi\phi}$-0.12±.03; $M_{r\theta}$0.26±.02; $M_{\theta\phi}$0.01±.03; $M_{\phi r}$1.15±.02; Best double couple: NP1:ϕ_s13.00000°,δ84.00000°,λ89.00000°. NP2:ϕ_s199.00000°,δ6.00000°,λ96.00000°. Principal axes: T 1.3220,Plg51.0000° ,Azm282.0000°; N -0.2380,Plg1.0000°,Azm13.0000°; P -1.0850,Plg39.0000°,Azm103.0000° $M_0$1.20300×10^{17}
IDC III 01 10 05 01.2–2.1 7.28S 129.16E 0 3.8L,3.6
¶610545315
IDC Error ellipse: s-maj=112.3km s-min=32.2km az=67.0.
IDC III 01 13 44 53.3–2.5 6.24S 130.13E 0 3.6L,3.4
¶610545326
IDC Error ellipse: s-maj=148.8km s-min=33.1km az=70.0.
ISC III 01 19 23 13.6–1.3 7.41S–.10 129.13E–.09 200 11 2-99
IDC III 01 19 22 53.5–1.9 6.33S 129.60E 0 4.1L,3.9 ¶610545344
ISC Event type ke.
IDC Error ellipse: s-maj=144.9km s-min=28.9km az=70.0.
IDC III 01 22 38 57.1–2.3 6.86S 128.80E 0 3.1,3.1b
¶610545352
IDC Error ellipse: s-maj=123.4km s-min=33.7km az=67.0.
ISC III 02 04 24 24.4–.95 7.03S–.09 129.3E–.20 150 3.8b 13 2-71
IDC III 02 04 24 08.9–1.2 6.87S 128.78E 0 4.3L,4.0 ¶610545364
ISC Event type ke.
IDC Error ellipse: s-maj=217.3km s-min=21.2km az=67.0.
IDC III 02 09 42 48.2–2.2 7.03S 129.04E 0 3.6L,3.5
¶610545377
IDC Error ellipse: s-maj=146.7km s-min=32.3km az=67.0.
IDC III 02 22 16 09.4–2.6 7.03S 128.89E 0 3.3,3.3b
¶610545413
IDC Error ellipse: s-maj=207.1km s-min=33.7km az=67.0.
ISC III 02 22 32 16.3–.61 6.62S–.06 130.68E–.10 100 4.0b 33 1-151
NEIC III 02 22 32 16.2–2.7 6.61S–.06 130.7E–.10 98–9 4.1b ¶610545414
IDC III 02 22 32 20.6–7.6 7.02S 130.74E 149–74 3.9,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.4km s-min=8.2km az=88.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=95.1km s-min=24.8km az=61.0.
ISC III 03 08 09 59.9–.51 7.60S–.06 128.77E–.07 100 4.2b 50 3-146
IDC III 03 08 09 56.4–5.7 7.38S 128.77E 66–56 4.2,4.0b ¶610545437
NEIC III 03 08 10 00.4–1.6 7.58S–.08 128.85E–.08 103–9 4.1b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 03 15 58 01.2–.97 4.36S–.05 129.87E–.05 32–7 4.2b,3.2s 78 0-149
DJA III 03 15 57 59.9–.40 4S–2.0 130E–2.0 14–3 5.4,5.1 ¶610244817
NEIC III 03 15 58 02.5–2.5 4.27S–.07 129.93E–.07 56–9 4.4b,5.1
IDC III 03 15 58 03.0–3.1 4.24S 130.02E 34–25 4.4L,4.2
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=10.2km az=63.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=24.0km s-min=14.2km az=57.0.
ISC III 03 19 57 11.0–.39 7.08S–.05 126.03E–.06 488 4.0b 117 3-147
NEIC III 03 19 57 11.3–2.2 7.06S–.08 125.9E–.10 490–9 4.2b ¶610545472
DJA III 03 19 57 12.0–.30 7S–3.0 126E–3.0 489–4 4.5b,4.5
IDC III 03 19 57 12.2–1.6 7.11S 126.06E 504–19 4.2,3.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.8km s-min=11.8km az=78.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=28.6km s-min=9.7km az=63.0.
ISC III 04 19 45 46.1–.94 7.5S–.10 127.8E–.10 150 3.7b 15 6-67
IDC III 04 19 45 41.5–11 7.36S 127.74E 108–113 3.7L,3.6 ¶610545544
ISC Event type ke.
IDC Error ellipse: s-maj=275.0km s-min=44.0km az=62.0.
IDC III 04 21 24 04.5–2.4 6.74S 129.33E 0 3.7L,3.4
¶610545548
IDC Error ellipse: s-maj=155.8km s-min=33.1km az=68.0.
IDC III 05 00 05 06.6–2.5 6.93S 128.77E 0 4.0L,3.6
¶610545558
IDC Error ellipse: s-maj=201.9km s-min=33.8km az=66.0.
ISC III 05 11 48 38.6–.61 5.95S–.07 127.97E–.09 400 3.6b 23 2-96
DJA III 05 11 48 38.7–.50 6S–4.0 128E–4.0 386–8 5.0b,4.3 ¶610545591
IDC III 05 11 48 38.6–4.4 5.86S 128.20E 389–56 4.0,3.2b
ISC Event type ke.
IDC Error ellipse: s-maj=30.3km s-min=19.8km az=82.0.
ISC III 05 14 58 34.0–.86 6.97S–.09 129.83E–.09 150 4.5b 29 2-68
IDC III 05 14 58 19.8–1.9 6.90S 128.92E 0 4.0b,3.9 ¶610545597
NEIC III 05 14 58 34.2–1.5 6.84S–.10 129.8E–.10 160–13 4.4b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC III 06 14 31 05.9–2.2 6.61S 128.79E 0 3.8L,3.5
¶610545666
IDC Error ellipse: s-maj=111.3km s-min=32.8km az=67.0.
ISC III 07 03 10 00.8–.75 7.24S–.08 129.98E–.09 150 19 2-151
IDC III 07 03 09 59.8–3.6 7.18S 129.66E 122–29 4.0,3.5b ¶610545692
DJA III 07 03 10 00.7–.20 7S–3.0 130E–3.0 163–8 5.4b,4.8
ISC Event type ke.
IDC III 07 19 03 24.3–5.3 5.44S 131.97E 0 3.3L,3.2b
¶610545751
IDC Error ellipse: s-maj=356.2km s-min=33.3km az=74.0.
ISC III 07 21 10 31.0–.45 6.52S–.05 130.61E–.06 90 4.3b 84 2-83
IDC III 07 21 10 20.4–1.3 6.44S 130.68E 0 4.9L,4.3 ¶610273067
DJA III 07 21 10 30.3–.20 7S–2.0 131E–3.0 121–5 5.0b,4.8
NEIC III 07 21 10 31.8–1.1 6.50S–.07 130.55E–.02 89–7 4.3b,4.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC III 07 22 27 30.5–2.3 6.82S 130.11E 0 3.4b,3.2
¶610545762
IDC Error ellipse: s-maj=142.4km s-min=32.3km az=69.0.
IDC III 08 03 38 11.0–5.3 6.97S 129.67E 0 4.0b,3.6
¶610545774
IDC Error ellipse: s-maj=113.4km s-min=53.1km az=83.0.
IDC III 08 14 39 54.6–2.3 6.72S 129.08E 0 3.5b,3.4
¶610545815
IDC Error ellipse: s-maj=144.0km s-min=32.7km az=67.0.
IDC III 08 23 40 35.5–2.1 7.36S 126.12E 0 3.7,3.4b
¶610545839
IDC Error ellipse: s-maj=217.6km s-min=32.5km az=62.0.
IDC III 09 13 25 27.5–1.9 7.04S 124.39E 0 3.4L,3.2b
¶610545882
IDC Error ellipse: s-maj=335.0km s-min=31.1km az=59.0.
ISC III 09 15 47 42.0–.90 6.49S–.07 130.3E–.10 150 3.7b 15 2-71
IDC III 09 15 47 28.3–1.7 6.05S 129.78E 0 3.7b,3.6 ¶610545883
ISC Event type ke.
IDC Error ellipse: s-maj=132.9km s-min=27.9km az=72.0.
ISC III 09 16 38 14.4–.38 4.61S–.04 129.68E–.04 158–3 4.7b 360 0-149
BJI III 09 16 38 12.5–.00 4.60S 129.70E 155 4.7b,4.6b ¶610312597
DJA III 09 16 38 14.5–.10 5S–2.0 130E–1.0 159–2 5.1b,5.1
NEIC III 09 16 38 14.4–1.7 4.63S–.05 129.63E–.07 149–6 4.9b,5.1
IDC III 09 16 38 15.0–.63 4.61S 129.71E 161–5 4.7,4.3b
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s203.38329°,δ40.65704°,λ136.93239°. NP2: ϕ_s328.72385°,δ63.58279°,λ57.89508°. Principal axes: T Plg58.3230°,Azm193.0277° ; N Plg28.4228°,Azm344.3204°; P Plg12.8167°,Azm81.3930°
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=7.5km az=79.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=14.2km s-min=8.3km az=71.0.
ISC III 09 19 32 40.5–.38 7.54S–.05 126.84E–.05 300 4.1b 114 3-146
NEIC III 09 19 32 40.2–1.9 7.46S–.08 126.85E–.07 286–8 4.2b ¶610315714
DJA III 09 19 32 40.0–.10 8S–2.0 127E–2.0 296–3 6.6,6.5
IDC III 09 19 32 41.0–1.8 7.43S 126.83E 292–19 4.2,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.5km s-min=10.4km az=163.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=19.1km s-min=10.1km az=57.0.
ISC III 09 20 21 12.8–1.5 7.3S–.10 129.9E–.10 50 11 2-68
IDC III 09 20 21 05.4–2.1 7.43S 129.34E 0 3.5b,3.3 ¶610545895
ISC Event type ke.
IDC Error ellipse: s-maj=108.4km s-min=26.5km az=68.0.
IDC III 09 21 44 22.1–1.9 6.66S 128.52E 0 3.2L,3.1
¶610545901
IDC Error ellipse: s-maj=64.4km s-min=30.7km az=79.0.
IDC III 09 23 44 36.3–1.7 6.54S 129.50E 0 3.7,3.7b
¶610545905
IDC Error ellipse: s-maj=69.0km s-min=28.3km az=78.0.
ISC III 10 03 23 03.2–.49 7.14S–.05 129.35E–.06 200 4.2b 67 2-128

IDC III 10 03 22 57.8–4.3 7.29S 128.82E 128–43 4.6,3.8b ¶610316844
DJA III 10 03 23 01.5–.30 7S–2.0 129E–3.0 205–7 5.0b,4.7
NEIC III 10 03 23 02.9–1.4 7.10S–.08 129.29E–.08 184–9 4.2b,4.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 10 07 34 34.9–.76 7.60S–.06 128.31E–.08 151 3.8b 19 3-151
IDC III 10 07 34 35.8–5.3 7.48S 127.98E 154–48 4.2,3.5b ¶610545935
DJA III 10 07 34 36.1–.30 8S–3.0 128E–4.0 170–10 5.3b,4.8
ISC Event type ke.
IDC III 11 07 36 40.1–1.9 7.10S 128.61E 0 3.6L,3.5
¶610546006
IDC Error ellipse: s-maj=63.2km s-min=30.0km az=79.0.
ISC III 11 14 04 50.7–.32 6.84S–.03 130.30E–.05 124–2 5.1b 488 2-158
KLM III 11 14 04 46 6.81S 130.80E 92 5.5b ¶610323394
MOS III 11 14 04 47.8–.88 6.75S 130.22E 104 5.2b
BJI III 11 14 04 47.3–.00 6.89S 130.72E 123 5.1b,4.9b
GCMT III 11 14 04 49.8–.30 6.74S–.02 130.28E–.02 124–2 4.9W,4.9b
NEIC III 11 14 04 49.8–2.6 6.78S–.06 130.28E–.07 113–5 5.2b,4.9b
DJA III 11 14 04 50.8–.20 7S–2.0 130E–1.0 120–2 5.8,5.6b
IDC III 11 14 04 51.2–1.3 6.79S 130.29E 121–10 5.1,4.7b
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s117.02545°,δ85.33284°,λ-158.41013°. NP2: ϕ_s25.18123°,δ68.48528°,λ-5.01757°. Principal axes: T Plg11.6416°,Azm249.1935° ; N Plg67.9350°,Azm128.6445°; P Plg18.4731°,Azm343.1401° Moment Tensor Solution. NP1:ϕ_s293.24448°,δ72.73449°,λ116.55550°. NP2:ϕ_s53.94833°,δ31.32907°,λ34.80753°. Principal axes: T Plg54.4764°,Azm236.2053°; N Plg25.2722°,Azm104.8068°; P Plg23.2122° ,Azm3.1258°
MOS Error ellipse: s-maj=11.6km s-min=5.9km az=107.4.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s23,c33; s81,c116;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.92±.08 $M_{\theta\theta}$-2.85±.09; $M_{\phi\phi}$1.93±.10; $M_{r\theta}$-0.52±.06; $M_{\theta\phi}$0.04±.09; $M_{\phi r}$1.22±.06; Best double couple: NP1:ϕ_s310.00000°,δ73.00000°,λ148.00000°. NP2:ϕ_s50.00000°,δ60.00000°,λ20.00000°. Principal axes: T 2.7590,Plg34.0000° ,Azm267.0000°; N 0.1740,Plg54.0000°,Azm105.0000°; P -2.9280,Plg8.0000°,Azm3.0000° $M_0$2.84300×10^{16}
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=8.2km az=76.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=17.0km s-min=8.1km az=83.0.
IDC III 11 20 50 00.1–2.4 6.71S 129.49E 0 3.6s,3.4L
¶610546033
IDC Error ellipse: s-maj=148.5km s-min=33.3km az=68.0.
ISC III 12 11 11 41.8–1.6 7.1S–.20 127.8E–.20 10 11 7-67
IDC III 12 11 11 41.1–2.3 7.19S 127.45E 0 4.2L,3.9 ¶610546076
ISC Event type ke.
IDC Error ellipse: s-maj=284.0km s-min=31.5km az=64.0.
IDC III 12 17 15 06.4–7.7 7.79S 129.14E 0 3.8b,3.5L
¶610546084
IDC Error ellipse: s-maj=116.6km s-min=88.5km az=97.0.
ISC III 12 20 29 58.0–.36 7.22S–.05 129.63E–.05 139 4.4b 148 2-128
IDC III 12 20 29 54.9–2.4 7.20S 129.69E 108–22 4.4,3.9b ¶610326044
NEIC III 12 20 29 57.1–1.8 7.18S–.07 129.60E–.06 128–7 4.5b,3.9b
DJA III 12 20 29 57.4–.20 7S–2.0 130E–2.0 118–6 7.5,7.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC III 12 22 33 15.3–2.3 6.51S 129.51E 0 3.5L,3.4b
¶610546101
IDC Error ellipse: s-maj=152.1km s-min=32.2km az=68.0.
IDC III 13 08 16 17.5–4.3 6.14S 128.85E 321–62 3.7,2.7b
¶610546122
IDC Error ellipse: s-maj=108.7km s-min=21.1km az=78.0.
IDC III 13 09 04 24.2–2.6 6.71S 129.02E 0 3.3L,3.2b
¶610546126
IDC Error ellipse: s-maj=201.9km s-min=33.8km az=67.0.
ISC III 13 11 04 40.2–1.0 6.16S–.07 130.2E–.20 100 15 5-68
IDC III 13 11 04 30.9–1.8 6.34S 129.36E 0 4.1L,4.0 ¶610546133
ISC Event type ke.
IDC Error ellipse: s-maj=65.6km s-min=28.2km az=80.0.
IDC III 13 22 11 41.8–2.7 6.97S 127.94E 0 3.3b,3.1
¶610546164
IDC Error ellipse: s-maj=325.0km s-min=32.7km az=65.0.
IDC III 14 04 58 42.1–2.3 6.93S 129.14E 0 3.4L,3.2
¶610546179
IDC Error ellipse: s-maj=118.9km s-min=33.4km az=67.0.
ISC III 14 05 22 48.1–.76 7.54S–.06 128.58E–.09 151 3.6b 23 5-71
IDC III 14 05 22 44.1–7.3 7.63S 127.91E 110–75 4.3L,4.2 ¶610546181
ISC Event type ke.
IDC Error ellipse: s-maj=118.1km s-min=18.9km az=74.0.
IDC III 14 22 45 17.0–2.3 6.55S 127.51E 0 3.3,3.3b
¶610546220
IDC Error ellipse: s-maj=184.0km s-min=32.5km az=65.0.
ISC III 14 23 43 32.6–1.0 4.47S–.08 126.68E–.07 35 12 1-64
IDC III 14 23 43 32.7–3.2 4.41S 126.70E 39–37 4.0,4.0L ¶610546222
DJA III 14 23 43 33.1–.80 4S–5.0 126E–4.0 10 4.6b,3.8
ISC Event type ke.
IDC III 15 01 14 32.2–3.6 5.54S 129.26E 316–52 4.1,3.2b
¶610546224
IDC Error ellipse: s-maj=93.5km s-min=15.8km az=79.0.
IDC III 15 05 15 19.5–2.3 6.63S 129.57E 0 3.7L,3.4b
¶610546236
IDC Error ellipse: s-maj=143.8km s-min=32.6km az=68.0.
ISC III 15 09 59 08.4–.35 6.90S–.04 129.98E–.06 104 4.6b 144 2-151
BJI III 15 09 59 04.8–.00 7.10S 129.87E 103 5.3b,4.6b ¶610329248
IDC III 15 09 59 09.3–2.0 6.81S 129.86E 111–18 4.4,4.1b
NEIC III 15 09 59 09.7–1.3 6.82S–.04 130.00E–.07 121–8 4.6b,4.1b
DJA III 15 09 59 10.0–.20 7S–2.0 130E–2.0 108–4 5.3b,4.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC III 15 10 48 25.3–1.9 6.84S 128.30E 0 3.3,3.2b
¶610546246
IDC Error ellipse: s-maj=66.4km s-min=30.3km az=79.0.
IDC III 16 09 54 16.0–3.8 4.37S 126.70E 391–54 3.9,3.2b
¶610546305
IDC Error ellipse: s-maj=123.5km s-min=65.0km az=61.0.
IDC III 16 15 18 09.6–2.7 5.86S 130.37E 0 3.2b,3.0
¶610546319
IDC Error ellipse: s-maj=157.4km s-min=33.4km az=70.0.
IDC III 16 19 00 38.6–1.8 7.35S 127.88E 0 3.9,3.9L
¶610546330
IDC Error ellipse: s-maj=61.4km s-min=29.7km az=76.0.
ISC III 16 21 34 01.7–.66 6.85S–.05 129.65E–.07 150 42 2-68
IDC III 16 21 33 49.1–1.6 7.03S 128.81E 0 4.1L,3.9 ¶610546336
NEIC III 16 21 34 00.7–1.6 6.81S–.03 129.53E–.10 127–18 4.2b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 16 21 51 05.0–.33 4.18S–.04 129.37E–.04 150 4.5b 171 1-149
DJA III 16 21 51 04.6–.20 4S–2.0 129E–2.0 144–2 5.0b,4.6 ¶610331439
NEIC III 16 21 51 04.1–1.7 4.13S–.05 129.36E–.07 132–7 4.6b,4.6
IDC III 16 21 51 05.2–1.6 4.17S 129.47E 147–14 4.3,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=7.1km az=69.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=21.5km s-min=10.8km az=75.0.
IDC III 16 22 32 04.5–1.9 4.80S 124.02E 0 3.4,3.2b
¶610546340
IDC Error ellipse: s-maj=47.1km s-min=25.2km az=41.0.
IDC III 17 00 33 55.2–1.9 6.38S 129.10E 0 3.7,3.7L
¶610546347
IDC Error ellipse: s-maj=70.9km s-min=28.9km az=81.0.
ISC III 17 14 52 56.4–.42 6.70S–.03 129.74E–.04 190–3 4.8b 353 2-151
BJI III 17 14 52 54.4–.00 6.80S 129.82E 199 4.6b,4.4b ¶610339930
MOS III 17 14 52 55.5–1.1 6.78S 129.59E 193 4.6b,4.4b
NEIC III 17 14 52 55.7–2.4 6.52S–.07 129.76E–.08 181–6 5.1b,4.4b
DJA III 17 14 52 56.4–.10 7S–2.0 130E–2.0 193–2 5.3,5.3b
IDC III 17 14 52 57.8–1.6 6.66S 129.74E 198–14 4.7,4.2b
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s279.95151°,δ78.62981°,λ-173.44000°. NP2: ϕ_s188.65276°,δ83.56930°,λ-11.44316°. Principal axes: T Plg3.4517°,Azm234.6805° ; N Plg76.8947°,Azm339.6964°; P Plg12.6269°,Azm143.9063°
MOS Error ellipse: s-maj=18.2km s-min=6.7km az=119.0.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=10.0km az=73.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=16.1km s-min=9.0km az=68.0.
ISC III 17 15 44 39.7–.35 7.44S–.05 128.61E–.05 151 4.4b 135 3-151
IDC III 17 15 44 36.9–3.9 7.45S 128.53E 122–37 4.5,4.0b ¶610339938
NEIC III 17 15 44 39.7–2.1 7.39S–.08 128.64E–.08 152–8 4.5b,4.0b
DJA III 17 15 44 40.5–.20 8S–2.0 129E–2.0 150–5 5.0b,4.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 18 00 36 21.2–.93 6.02S–.08 129.7E–.20 10 3.9b 12 2-72
IDC III 18 00 36 20.0–1.9 6.26S 129.07E 0 3.9L,3.8b ¶610546422
ISC Event type ke.
IDC Error ellipse: s-maj=204.1km s-min=27.7km az=70.0.
ISC III 18 19 56 07.7–.33 7.01S–.06 125.02E–.06 550 4.4b 174 3-147
NEIC III 18 19 56 08.9–1.3 7.01S–.10 125.0E–.10 565–9 4.4b ¶610345798
DJA III 18 19 56 09.0–.20 7S–3.0 125E–3.0 561–3 4.8b,4.7
IDC III 18 19 56 09.4–.92 6.99S 125.05E 570–11 4.5,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.4km s-min=13.2km az=52.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=16.0km s-min=7.9km az=56.0.
DJA III 19 01 59 45.9–.50 7S–4.0 129E–4.0 103–25 4.4,4.3
¶615345934
IDC III 19 08 40 38.1–13 5.72S 128.70E 250–150 3.8,2.8b
¶610546499
IDC Error ellipse: s-maj=108.2km s-min=48.9km az=68.0.
ISC III 19 15 19 08.9–.73 5.39S–.07 129.77E–.07 200 48 1-67
IDC III 19 15 18 49.6–2.1 5.08S 129.09E 0 4.5L,4.2 ¶610546517
DJA III 19 15 19 08.7–.40 5S–3.0 130E–4.0 200–5 5.0b,4.4
NEIC III 19 15 19 09.0–1.2 5.38S–.08 129.8E–.10 192–9 4.1b,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 19 20 10 13.2–1.1 7.23S–.09 129.9E–.10 150 13 2-68
IDC III 19 20 09 58.1–2.3 6.79S 129.58E 0 3.7L,3.3 ¶610546536
ISC Event type ke.
IDC Error ellipse: s-maj=111.1km s-min=33.2km az=68.0.
IDC III 19 23 03 50.2–2.7 5.79S 130.67E 0 4.0b,3.5
¶610546545
IDC Error ellipse: s-maj=187.8km s-min=30.9km az=71.0.
ISC III 20 12 38 39.5–.70 7.36S–.06 128.73E–.08 150 3.8b 26 3-71
IDC III 20 12 38 23.6–1.4 7.03S 128.53E 0 4.0L,3.9 ¶610543330
DJA III 20 12 38 38.5–.40 7S–4.0 129E–4.0 195–15 5.0b,4.4
ISC Event type ke.
ISC III 20 15 55 57.2–.40 7.69S–.03 128.15E–.04 112–3 4.9b 500 3-152
BJI III 20 15 55 53.4–.00 7.95S 128.48E 123 4.9b,4.8b ¶610385345
IDC III 20 15 55 54.5–3.4 7.54S 128.10E 84–30 4.8,4.4b
MOS III 20 15 55 54.8–.81 7.58S 128.14E 106 4.9b,4.4b
NEIC III 20 15 55 57.2–1.8 7.61S–.07 128.19E–.06 105–5 5.0b,4.4b
DJA III 20 15 55 57.0–.20 8S–2.0 128E–1.0 113–6 5.5b,5.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DJA III 21 08 51 14.1–.40 5S–5.0 130E–3.0 163–4 5.6b,5.1
¶615345954
IDC III 22 04 31 06.4–2.0 6.54S 129.39E 0 3.7L,3.6
¶610543445
IDC Error ellipse: s-maj=148.7km s-min=29.6km az=68.0.
ISC III 22 08 02 27.5–.36 6.79S–.03 129.80E–.04 152–3 5.0b 558 2-151
BJI III 22 08 02 24.1–.00 7.04S 130.19E 165 5.0b,4.9b ¶610416142
MOS III 22 08 02 25.6–.91 6.75S 129.78E 143 5.0b,4.9b
DJA III 22 08 02 27.0–.10 7S–1.0 130E–1.0 149–2 5.6,5.5b
NEIC III 22 08 02 27.3–2.4 6.71S–.05 129.77E–.04 140–6 5.1b,5.5b
IDC III 22 08 02 28.7–1.1 6.78S 129.77E 157–9 4.9,4.5b
GCMT III 22 08 02 28.3–.30 6.82S–.02 129.82E–.03 139–4 5.0W,4.5b
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s336.01196°,δ37.68361°,λ162.77994°. NP2: ϕ_s79.79353°,δ79.57368°,λ53.57985°. Principal axes: T Plg43.4380°,Azm314.4725° ; N Plg35.7253°,Azm87.3988°; P Plg25.5715°,Azm197.5295°
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s17,c17; s78,c102;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.61±.13 $M_{\theta\theta}$-2.52±.16; $M_{\phi\phi}$1.91±.19; $M_{r\theta}$0.41±.09; $M_{\theta\phi}$1.93±.17; $M_{\phi r}$1.71±.10; Best double couple: NP1:ϕ_s332.00000°,δ72.00000°,λ155.00000°. NP2:ϕ_s70.00000°,δ66.00000°,λ20.00000°. Principal axes: T 3.6380,Plg30.0000° ,Azm289.0000°; N -0.3840,Plg60.0000°,Azm118.0000°; P -3.2570,Plg4.0000°,Azm22.0000° $M_0$3.44800×10^{16}
ISC III 23 05 51 21.4–.98 5.97S–.10 127.9E–.10 400 3.7b 20 5-66
NEIC III 23 05 51 21.4–.95 5.9S–.10 127.9E–.10 394–15 4.0b ¶610543510
IDC III 23 05 51 23.0–3.6 6.01S 127.95E 423–44 4.5,3.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.6km s-min=14.0km az=109.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=107.7km s-min=15.3km az=68.0.
IDC III 23 07 53 28.2–2.5 6.72S 129.75E 0 3.4b,3.1
¶610543520
IDC Error ellipse: s-maj=157.2km s-min=33.7km az=69.0.
ISC III 23 15 49 32.3–.74 7.43S–.06 128.74E–.06 150 4.3b 34 3-72
IDC III 23 15 49 17.5–1.9 6.95S 128.65E 0 3.8L,3.7b ¶610543550
NEIC III 23 15 49 34.0–2.5 7.34S–.10 128.73E–.07 155–5 4.3b,3.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC III 23 23 31 24.5–2.3 7.18S 129.46E 0 3.3b,3.2L
¶610543567
IDC Error ellipse: s-maj=117.9km s-min=34.3km az=67.0.
IDC III 24 07 35 30.8–1.7 6.89S 129.42E 0 3.3L,3.2b
¶610543580
IDC Error ellipse: s-maj=143.4km s-min=33.9km az=68.0.
ISC III 24 08 53 11.7–.34 7.51S–.05 128.08E–.06 142 4.6b 171 3-146
BJI III 24 08 53 11.0–.00 7.60S 128.10E 164 4.8b,4.6b ¶610434549
NEIC III 24 08 53 13.8–1.9 7.56S–.09 128.10E–.07 165–7 4.6b,4.6b
DJA III 24 08 53 13.1–.20 8S–2.0 128E–2.0 155–3 5.2b,4.9
IDC III 24 08 53 14.1–2.9 7.42S 128.13E 170–28 4.5,4.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=10.1km az=202.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=22.3km s-min=12.0km az=57.0.
ISC III 24 10 33 58.8–.36 5.19S–.04 129.84E–.06 200 4.3b 110 1-148
IDC III 24 10 33 57.9–3.7 5.13S 129.75E 180–38 4.1,3.6b ¶610434686
NEIC III 24 10 33 58.4–1.8 5.12S–.06 129.81E–.08 185–8 4.4b,3.6b
DJA III 24 10 33 59.3–.20 5S–3.0 130E–2.0 192–4 4.8b,4.5
ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 24 13 31 34.6–.94 6.9S–.20 124.9E–.30 550 3.4b 9 5-70
IDC III 24 13 31 36.1–2.7 7.19S 124.44E 576–43 3.8,2.9b **¶610543601**
ISC Event type ke.
IDC Error ellipse: s-maj=138.6km s-min=14.7km az=57.0.
IDC III 24 14 37 25.7–2.6 5.81S 130.81E 0 3.5b,3.3
¶610543602

IDC Error ellipse: s-maj=151.0km s-min=15.7km az=75.0.
ISC III 24 17 13 56.7–.43 6.73S–.05 127.55E–.06 408 3.9b 112 3-81
NEIC III 24 17 13 57.5–1.6 6.66S–.10 127.6E–.10 411–5 4.1b **¶610543609**
IDC III 24 17 13 58.8–2.1 6.77S 127.50E 433–27 4.2,3.3b
DJA III 24 17 13 58.1–.30 7S–3.0 128E–3.0 412–6 4.5b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC III 25 03 15 30.9–1.9 6.63S 128.61E 0 3.7L,3.6s
¶610543623

IDC Error ellipse: s-maj=70.0km s-min=29.6km az=79.0.
IDC III 25 09 24 13.7–2.1 7.61S 126.60E 0 3.5,3.5L
¶610543637

IDC Error ellipse: s-maj=222.0km s-min=32.9km az=62.0.
ISC III 25 15 49 44.9–1.2 7.40S–.07 129.1E–.20 100 10 2-68
IDC III 25 15 49 45.7–5.5 7.49S 129.05E 104–69 3.7,3.6L **¶610543651**
ISC Event type ke.
IDC Error ellipse: s-maj=107.4km s-min=25.7km az=83.0.
ISC III 25 16 24 04.6–.96 6.60S–.07 129.9E–.10 150 16 2-68
IDC III 25 16 23 60.0–6.2 6.75S 129.00E 90–77 3.8L,3.7 **¶610543654**
ISC Event type ke.
IDC Error ellipse: s-maj=120.4km s-min=25.6km az=83.0.
IDC III 25 17 58 43.8–1.8 6.88S 128.37E 0 3.8b,3.6
¶610543659

IDC Error ellipse: s-maj=56.5km s-min=29.6km az=78.0.
ISC III 25 20 45 44.5–.61 6.70S–.05 129.88E–.07 169 3.8b 43 2-83
NEIC III 25 20 45 45–2.0 6.70S–.07 129.88E–.09 169–5 4.1b **¶610543667**
IDC III 25 20 45 47.5–2.5 6.53S 130.60E 180–25 4.1,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.3km s-min=9.4km az=80.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=49.9km s-min=17.5km az=74.0.
ISC III 25 20 58 12.4–1.4 4.6S–.10 125.3E–.20 500 7 7-64
IDC III 25 20 58 11.3–3.7 4.63S 125.16E 485–53 3.8,2.8b **¶610543668**
ISC Event type ke.
IDC Error ellipse: s-maj=57.3km s-min=16.3km az=71.0.
ISC III 26 03 09 54.0–1.0 4.11S–.07 129.56E–.07 36 10 1-66
IDC III 26 03 09 50.0–1.6 4.12S 129.45E 0 3.6b,3.4 **¶610543696**
DJA III 26 03 09 52.9–.70 4S–9.0 130E–3.0 25–12 3.4,3.4
ISC Event type ke.
ISC III 26 17 04 07.3–.83 4.98S–.06 129.87E–.07 200 29 0-66
IDC III 26 17 04 07.7–4.2 4.99S 129.75E 177–55 4.2,3.3b **¶610543736**
DJA III 26 17 04 08.4–.40 5S–4.0 130E–4.0 184–5 5.0b,4.7b
ISC Event type ke.
ISC III 26 19 14 37.2–.39 7.02S–.03 129.85E–.04 140–3 5.0b 630 2-157
BJI III 26 19 14 33.2–.00 7.38S 130.02E 146 5.0b,4.9b **¶610435179**
KLM III 26 19 14 34 6.95S 130.23E 114 5.5b,4.9b
MOS III 26 19 14 35.9–.80 6.95S 129.78E 132 4.9b,4.9b
NEIC III 26 19 14 36.3–2.3 7.02S–.06 129.80E–.07 122–5 5.1b,4.9b
DJA III 26 19 14 36.7–.20 7S–2.0 130E–2.0 137–2 5.6,5.5b
IDC III 26 19 14 38.3–1.2 6.98S 129.80E 142–9 5.0,4.6b
GCMT III 26 19 14 38.3–.30 7.04S–.02 129.85E–.02 143–2 4.9W,4.6b
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s290.22986°,δ59.82572°,λ132.90288°. NP2: ϕ_s48.63624°,δ50.70938°,λ40.49957°. Principal axes: T Plg53.4361°,Azm254.1353° ; N Plg36.0517°,Azm85.1916°; P Plg5.2996°,Azm351.3199°
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s25,c31; s99,c142;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.32±.09 $M_{\theta\theta}$-2.84±.10; $M_{\phi\phi}$1.52±.12; $M_{r\theta}$-0.67±.07; $M_{\theta\phi}$0.70±.11; $M_{\phi r}$1.62±.07; Best double couple: NP1:ϕ_s315.00000°,δ71.00000°,λ137.00000°. NP2:ϕ_s62.00000°,δ50.00000°,λ25.00000°. Principal axes: T 3.0440,Plg43.0000° ,Azm271.0000°; N 0.1150,Plg44.0000°,Azm116.0000°; P -3.1580,Plg13.0000°,Azm13.0000° $M_0$3.10100×10^{16}
IDC III 26 20 22 14.2–2.5 6.55S 129.67E 0 3.3L,3.1
¶610543742

IDC Error ellipse: s-maj=152.5km s-min=33.3km az=69.0.
IDC III 26 21 48 25.7–5.7 6.93S 129.16E 94–72 3.3,3.2L
¶610543750

IDC Error ellipse: s-maj=111.3km s-min=27.0km az=82.0.
IDC III 27 05 44 58.2–2.2 7.34S 129.28E 0 4.1L,3.7
¶610543778

IDC Error ellipse: s-maj=105.7km s-min=33.5km az=67.0.
IDC III 27 06 21 47.8–1.9 6.30S 129.72E 0 3.6b,3.5L
¶610543781

IDC Error ellipse: s-maj=72.3km s-min=28.9km az=81.0.
IDC III 28 13 09 03.9–2.3 6.41S 129.55E 0 3.7L,3.4
¶610543851

IDC Error ellipse: s-maj=126.0km s-min=32.8km az=68.0.
ISC III 28 21 18 07.5–1.2 6.35S–.07 130.5E–.40 100 7 5-68
IDC III 28 21 18 09.2–5.3 6.29S 130.13E 114–69 4.0,3.4b **¶610543872**
ISC Event type ke.
IDC Error ellipse: s-maj=142.1km s-min=23.9km az=80.0.
IDC III 29 00 48 32.8–4.3 6.19S 130.27E 113–55 3.6,3.4b
¶610543882

IDC Error ellipse: s-maj=108.1km s-min=24.1km az=80.0.
ISC III 29 01 58 02.9–.91 6.57S–.08 129.71E–.10 150 24 2-68
IDC III 29 01 57 47.3–2.0 5.90S 130.38E 0 3.9,3.9b **¶610543887**
NEIC III 29 01 58 03.4–1.4 6.51S–.10 129.67E–.05 141–13 4.2b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC III 29 09 11 26.5–2.0 5.30S 128.34E 0 3.6b,3.3
¶610543914

IDC Error ellipse: s-maj=201.7km s-min=31.5km az=72.0.
IDC III 29 09 40 25.9–2.6 6.00S 130.75E 0 3.4b,3.4L
¶610543918

IDC Error ellipse: s-maj=145.1km s-min=33.5km az=71.0.
ISC III 29 12 24 52.6–.55 6.07S–.06 128.10E–.07 400 3.7b 50 2-95
DJA III 29 12 24 52.2–.20 6S–3.0 128E–3.0 390–5 4.7b,4.2 **¶610543926**
NEIC III 29 12 24 52.2–.76 6.13S–.05 127.98E–.10 389–11 4.2b,4.2
IDC III 29 12 24 54.4–2.1 6.10S 128.43E 410–27 4.2,3.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.2km s-min=7.6km az=92.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=32.8km s-min=14.4km az=74.0.
IDC III 29 23 35 58.6–2.2 6.89S 128.75E 0 3.7L,3.6
¶610543960

IDC Error ellipse: s-maj=150.6km s-min=32.2km az=67.0.
IDC III 30 20 20 27.9–2.7 6.10S 130.73E 0 3.2b,3.2L
¶610544009

IDC Error ellipse: s-maj=146.7km s-min=34.4km az=71.0.
IDC III 31 05 11 04.5–2.0 7.32S 128.44E 0 3.7,3.7b
¶610544026

IDC Error ellipse: s-maj=264.2km s-min=26.8km az=64.0.
IDC III 31 05 52 01.8–2.3 7.05S 129.38E 0 3.8L,3.5
¶610544028

IDC Error ellipse: s-maj=112.3km s-min=33.3km az=68.0.
ISC III 31 18 28 49.9–.67 4.48S–.07 125.88E–.08 450 3.9b 47 2-64
NEIC III 31 18 28 50.6–1.4 4.6S–.10 125.8E–.10 432–17 4.1b **¶610544069**
DJA III 31 18 28 50.5–.50 5S–5.0 126E–5.0 412–8 4.5b,4.3b
IDC III 31 18 28 52.2–7.4 4.37S 126.28E 473–106 4.1,3.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.1km s-min=13.7km az=69.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=190.4km s-min=35.1km az=65.0.
ISC III 31 20 45 51.7–.45 6.06S–.04 130.72E–.06 124 4.2b 91 2-73
IDC III 31 20 45 39.2–.92 5.88S 130.60E 0 4.2L,4.0 **¶610468877**
NEIC III 31 20 45 52.9–2.2 6.03S–.06 130.76E–.08 136–9 4.2b,4.0
DJA III 31 20 45 52.7–.30 6S–2.0 131E–5.0 133–8 5.3b,4.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC III 31 23 15 37.8–9.7 6.78S 129.63E 139–101 3.9,3.3b
¶610544080

IDC Error ellipse: s-maj=57.2km s-min=30.9km az=81.0.
IDC IV 01 02 19 45.2–6.4 7.32S 129.18E 184–65 4.1,3.4b
¶610651673

IDC Error ellipse: s-maj=102.5km s-min=25.6km az=67.0.
IDC IV 01 07 31 28.6–2.1 7.79S 125.44E 0 3.2L,3.1
¶610651687

IDC Error ellipse: s-maj=219.1km s-min=33.2km az=60.0.
IDC IV 01 12 27 08.9–2.2 6.99S 129.68E 0 4.0L,3.9b
¶610651700

IDC Error ellipse: s-maj=144.7km s-min=31.4km az=68.0.
IDC IV 01 18 40 17.8–9.1 4.98S 128.71E 316–114 3.9,3.2b
¶610651719

IDC Error ellipse: s-maj=41.4km s-min=36.0km az=67.0.
ISC IV 01 21 52 54.3–.37 6.24S–.05 130.64E–.06 124 4.5b 137 2-90
IDC IV 01 21 52 40.6–.84 6.12S 130.56E 0 4.6L,4.2 **¶610470145**
BJI IV 01 21 52 50.4–.00 6.65S 130.65E 129 5.0b,4.6b
NEIC IV 01 21 52 55.0–1.5 6.20S–.06 130.64E–.08 127–4 4.5b,4.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IV 01 23 00 23.7–2.1 6.57S 128.86E 0 3.5b,3.4
¶610651730

IDC Error ellipse: s-maj=126.2km s-min=31.2km az=67.0.
IDC IV 02 02 52 59.1–2.9 6.85S 128.36E 0 3.4b,3.3
¶610651740

IDC Error ellipse: s-maj=300.3km s-min=33.5km az=66.0.
IDC IV 02 09 07 37.5–2.2 6.54S 129.37E 0 3.5b,3.3
¶610651749

IDC Error ellipse: s-maj=129.9km s-min=32.2km az=68.0.
ISC IV 02 09 09 09.8–.42 7.39S–.05 128.78E–.06 131 4.4b 79 3-151
IDC IV 02 09 09 04.7–4.5 7.37S 128.79E 85–43 4.3,4.0b **¶610470181**
NEIC IV 02 09 09 10.0–2.1 7.33S–.09 128.80E–.08 132–8 4.4b,4.0b
DJA IV 02 09 09 10.0–.20 7S–3.0 129E–2.0 136–6 5.3b,4.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 02 10 08 40.6–.54 7.88S–.06 128.36E–.08 100 3.9b 46 4-82
IDC IV 02 10 08 29.4–1.1 7.65S 128.17E 0 4.2L,3.9 **¶610651752**
NEIC IV 02 10 08 40.5–2.4 7.90S–.08 128.39E–.10 101–5 4.3b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IV 03 05 24 56.6–6.7 7.22S 128.82E 169–70 3.7,3.0b
¶610651799

IDC Error ellipse: s-maj=94.5km s-min=27.0km az=71.0.
IDC IV 03 05 32 54.0–7.0 5.35S 130.17E 0 3.8b,3.8L
¶610651800

IDC Error ellipse: s-maj=632.8km s-min=32.4km az=70.0.
IDC IV 03 06 02 11.0–2.2 7.97S 127.11E 0 3.5L,3.4b
¶610651804

IDC Error ellipse: s-maj=214.5km s-min=33.5km az=62.0.
ISC IV 03 16 07 38.1–.56 6.00S–.05 128.95E–.06 300 4.0b 54 2-70
IDC IV 03 16 07 10.7–3.0 6.09S 126.83E 0 4.4L,3.9 **¶610476572**
DJA IV 03 16 07 38.4–.40 6S–3.0 129E–4.0 294–8 5.2b,4.5
NEIC IV 03 16 07 38.7–.74 5.97S–.07 128.9E–.10 298–14 4.4b,4.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 03 17 12 35.4–1.4 6.6S–.10 128.7E–.20 10 3.3b 7 5-71
IDC IV 03 17 12 32.1–2.1 6.50S 128.95E 0 4.1L,3.6 **¶610651852**
ISC Event type ke.
IDC Error ellipse: s-maj=139.2km s-min=29.0km az=65.0.
IDC IV 04 19 18 58.4–3.1 6.04S 129.34E 0 3.3b,3.0
¶610651942

IDC Error ellipse: s-maj=283.1km s-min=32.8km az=68.0.
IDC IV 05 10 42 53.6–2.4 6.47S 129.54E 0 3.6b,3.4
¶610652000

IDC Error ellipse: s-maj=124.7km s-min=33.6km az=68.0.
IDC IV 05 10 55 30.6–2.2 6.65S 128.70E 0 3.5b,3.3
¶610652003

IDC Error ellipse: s-maj=122.2km s-min=32.5km az=67.0.
IDC IV 05 21 18 23.2–2.4 6.64S 129.14E 0 3.2b,3.1
¶610652028

IDC Error ellipse: s-maj=146.8km s-min=33.5km az=68.0.
IDC IV 05 23 06 41.6–2.2 7.91S 127.44E 0 3.5L,3.3b
¶610652034

IDC Error ellipse: s-maj=281.4km s-min=33.3km az=63.0.
IDC IV 06 03 10 31.0–2.4 6.63S 129.78E 0 3.7b,3.5
¶610652046

IDC Error ellipse: s-maj=160.7km s-min=32.0km az=69.0.
IDC IV 06 10 53 59.9–2.6 7.72S 128.24E 0 3.3b,3.1
¶610652070

IDC Error ellipse: s-maj=295.4km s-min=34.0km az=65.0.
ISC IV 06 20 42 52.9–1.4 7.9S–.10 128.60E–.08 150 14 3-72
IDC IV 06 20 42 32.4–1.9 6.99S 128.37E 0 3.7b,3.5 **¶610652105**
ISC Event type ke.
IDC Error ellipse: s-maj=196.4km s-min=29.6km az=67.0.
ISC IV 07 01 15 45.8–.71 7.19S–.08 127.4E–.10 300 3.6b 20 4-126
DJA IV 07 01 15 44.5–.30 7S–3.0 127E–4.0 280–8 4.8b,4.5 **¶610652115**
IDC IV 07 01 15 45.8–7.5 7.09S 127.34E 286–81 4.1,3.3b
ISC Event type ke.
IDC Error ellipse: s-maj=62.7km s-min=27.2km az=75.0.
IDC IV 07 02 48 58.0–2.0 6.51S 130.45E 0 3.6b,3.4
¶610652122

IDC Error ellipse: s-maj=116.4km s-min=29.1km az=67.0.
ISC IV 07 08 36 11.1–.30 4.48S–.04 125.24E–.06 450 4.4b 206 2-144
IDC IV 07 08 36 13.0–1.0 4.47S 125.27E 478–12 4.7,3.9b **¶610518301**
NEIC IV 07 08 36 13.3–1.6 4.49S–.06 125.3E–.10 478–7 4.5b,3.9b
DJA IV 07 08 36 13.9–.30 4S–3.0 125E–2.0 463–5 4.8b,4.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 07 12 32 54.4–.37 6.21S–.04 130.63E–.06 150 4.3b 143 2-151
IDC IV 07 12 32 49.0–5.5 6.16S 130.44E 84–53 4.4,4.3L **¶610518542**
DJA IV 07 12 32 53.8–1.0 6S–2.0 131E–3.0 21–9 5.4b,4.8
NEIC IV 07 12 32 53.5–1.3 6.20S–.06 130.66E–.09 128–7 4.4b,4.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IV 07 23 48 50.2–2.3 7.90S 129.88E 0 3.4b,3.3
¶610652186

IDC Error ellipse: s-maj=109.7km s-min=34.0km az=68.0.
IDC IV 08 00 14 21.5–2.7 5.82S 130.41E 0 4.3s,3.8b
¶610652188

IDC Error ellipse: s-maj=194.7km s-min=30.1km az=71.0.
ISC IV 08 06 40 35.5–1.3 7.8S–.30 123.4E–.40 250 13 1-65

IDC IV 08 06 40 38.1–3.0 7.79S 123.49E 272–26 4.2,3.3b ¶610652206
ISC Event type ke.
IDC Error ellipse: s-maj=171.9km s-min=16.2km az=58.0.
ISC IV 08 14 43 26.6–.94 5.77S–.05 130.77E–.08 100 13 2-68
IDC IV 08 14 43 18.3–2.4 6.00S 129.35E 0 3.6L,3.5 ¶610652233
DJA IV 08 14 43 27.0–.30 6S–2.0 131E–4.0 124–8 4.1,4.0
ISC Event type ke.
IDC IV 09 01 06 49.1–2.2 6.65S 130.16E 0 4.1b,3.9
¶610652267

IDC Error ellipse: s-maj=139.6km s-min=30.5km az=70.0.
IDC IV 09 02 05 01.3–2.2 7.52S 126.99E 0 4.2L,3.8
¶610652269

IDC Error ellipse: s-maj=209.7km s-min=32.9km az=63.0.
IDC IV 09 04 12 35.0–2.1 6.86S 129.25E 0 4.3L,4.0
¶610652276

IDC Error ellipse: s-maj=149.2km s-min=30.6km az=68.0.
ISC IV 09 04 51 15.3–1.6 7.3S–.20 129.7E–.20 10 3.5s 8 6-68
IDC IV 09 04 51 12.9–2.3 7.28S 129.80E 0 3.8L,3.6s ¶610652278
ISC Event type ke.
IDC Error ellipse: s-maj=137.9km s-min=32.9km az=68.0.
IDC IV 09 10 04 12.1–2.2 6.06S 130.34E 0 4.0b,3.8
¶610652292

IDC Error ellipse: s-maj=110.8km s-min=28.2km az=67.0.
IDC IV 10 10 13 52.7–2.4 6.69S 129.42E 0 3.4L,3.3
¶610652373

IDC Error ellipse: s-maj=150.2km s-min=33.1km az=68.0.
IDC IV 10 19 01 56.5–2.2 6.77S 129.47E 0 3.2b,3.1
¶610652406

IDC Error ellipse: s-maj=71.8km s-min=34.0km az=68.0.
ISC IV 11 08 08 23.1–.35 6.84S–.03 130.53E–.04 133–3 4.8b 349 1-155
BJI IV 11 08 08 19.8–.00 6.93S 130.72E 131 5.0b,4.8b ¶610526219
IDC IV 11 08 08 22.7–2.0 6.75S 130.39E 122–17 4.8,4.4b
DJA IV 11 08 08 22.2–.20 7S–1.0 130E–1.0 118–2 5.7,5.5b
GCMT IV 11 08 08 22.9–.20 6.69S–.01 130.42E–.01 121–2 5.1W,5.5b
NEIC IV 11 08 08 23.9–1.7 6.78S–.06 130.42E–.08 130–6 4.9b,5.5b
ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s52,c62; s125,c178;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}1.53±.12 $M_{\theta\theta}$-5.64±.14; $M_{\phi\phi}$4.10±.16; $M_{r\theta}$-0.94±.10; $M_{\theta\phi}$2.19±.15; $M_{\phi r}$2.36±.09; Best double couple: NP1:ϕ_s324.00000°,δ78.00000°,λ152.00000°. NP2:ϕ_s60.00000°,δ63.00000°,λ13.00000°. Principal axes: T 5.6870,Plg28.0000° ,Azm278.0000°; N 0.6770,Plg60.0000°,Azm123.0000°; P -6.3750,Plg11.0000°,Azm14.0000° $M_0$6.03100×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IV 11 12 31 33.1–2.4 6.79S 128.92E 0 3.4b,3.2s
¶610652457

IDC Error ellipse: s-maj=152.9km s-min=33.6km az=67.0.
IDC IV 12 14 44 15.0–2.7 6.27S 130.26E 0 3.4b,3.4L
¶610652562

IDC Error ellipse: s-maj=184.8km s-min=32.3km az=70.0.
IDC IV 12 20 38 50.3–2.0 6.46S 128.31E 0 3.8b,3.5
¶610652579

IDC Error ellipse: s-maj=146.9km s-min=31.9km az=66.0.
IDC IV 12 22 03 03.5–2.0 6.78S 129.33E 0 3.8b,3.5L
¶610652584

IDC Error ellipse: s-maj=116.4km s-min=31.0km az=68.0.
ISC IV 13 00 07 32.5–.91 7.25S–.08 129.48E–.08 150 3.9b 34 2-82
IDC IV 13 00 07 20.5–11 6.92S 129.83E 0 4.4L,4.2 ¶610652594
NEIC IV 13 00 07 32.0–1.2 7.16S–.07 129.45E–.10 144–9 4.0b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IV 13 17 47 09.2–2.2 6.89S 129.37E 0 3.6b,3.5L
¶610652649

IDC Error ellipse: s-maj=145.1km s-min=31.5km az=68.0.
ISC IV 13 18 28 11.7–1.6 7.4S–.10 129.6E–.20 100 11 6-68
IDC IV 13 18 28 01.6–2.3 7.64S 128.57E 0 3.4L,3.2 ¶610652652
ISC Event type ke.
IDC Error ellipse: s-maj=166.2km s-min=27.0km az=66.0.
IDC IV 13 23 33 06.5–2.4 5.60S 129.90E 0 3.4,3.4b
¶610652665

IDC Error ellipse: s-maj=121.5km s-min=32.8km az=69.0.
ISC IV 14 09 31 21.9–5.5 7.0S–.50 128.64E–.08 10 11 3-28
IDC IV 14 09 31 18.2–11 6.70S 128.59E 0 4.1L,3.9 ¶610652708
ISC Event type ke.
IDC Error ellipse: s-maj=159.4km s-min=114.5km az=143.0.
ISC IV 14 11 57 13.2–.87 4.08S–.08 128.84E–.07 150 22 1-65
DJA IV 14 11 57 14.6–1.2 4S–9.0 129E–4.0 138–13 3.6,3.6 ¶610652723
IDC IV 14 11 57 22.9–3.7 4.09S 129.17E 263–39 4.2,3.1b
ISC Event type ke.
IDC Error ellipse: s-maj=80.0km s-min=12.4km az=67.0.
ISC IV 14 14 38 32.3–.43 4.08S–.05 128.37E–.06 174 4.2b 99 0-98
NEIC IV 14 14 38 32.9–1.9 4.07S–.08 128.37E–.09 174–5 4.3b ¶610652734
DJA IV 14 14 38 32.3–.30 4S–4.0 128E–3.0 166–3 5.0b,4.5b
IDC IV 14 14 38 34.4–2.7 4.11S 128.24E 190–26 4.3,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.0km s-min=9.5km az=53.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=29.9km s-min=12.8km az=60.0.
ISC IV 14 19 27 49.2–1.1 6.85S–.07 129.5E–.20 100 11 2-68
IDC IV 14 19 27 33.8–3.6 5.85S 131.07E 0 3.5L,3.4 ¶610652752
ISC Event type ke.
IDC Error ellipse: s-maj=245.1km s-min=32.9km az=72.0.
IDC IV 14 20 16 43.2–2.4 6.66S 129.76E 0 3.5L,3.4b
¶610652753

IDC Error ellipse: s-maj=146.8km s-min=32.7km az=69.0.
IDC IV 15 10 59 55.0–2.1 6.66S 129.48E 0 4.0b,3.9L
¶610652790

IDC Error ellipse: s-maj=144.3km s-min=30.5km az=68.0.
IDC IV 15 12 11 33.6–2.3 6.84S 129.30E 0 3.4b,3.2
¶610652795

IDC Error ellipse: s-maj=118.0km s-min=33.2km az=68.0.
ISC IV 16 02 04 21.0–.93 6.26S–.06 130.72E–.09 150 14 2-68
IDC IV 16 02 04 08.2–1.8 6.20S 130.29E 0 4.1,4.1b ¶610652839
DJA IV 16 02 04 20.0–.30 6S–3.0 131E–4.0 165–10 5.0b,4.4
ISC Event type ke.
IDC IV 16 02 46 51.9–2.7 7.48S 128.48E 0 3.8L,3.6
¶610652844

IDC Error ellipse: s-maj=292.6km s-min=32.8km az=66.0.
IDC IV 16 21 53 46.5–2.0 7.22S 126.98E 0 3.5b,3.5L
¶610652889

IDC Error ellipse: s-maj=227.2km s-min=31.3km az=63.0.
ISC IV 17 00 37 44.4–.39 7.10S–.04 124.86E–.05 559–4 4.5b 339 3-153
DJA IV 17 00 37 44.8–.10 7S–2.0 125E–2.0 545–2 5.2,5.0b ¶610529009
IDC IV 17 00 37 45.2–.83 7.06S 124.88E 568–9 4.8,3.8b
NEIC IV 17 00 37 45.5–1.7 7.06S–.08 124.86E–.09 565–7 4.5b,3.8b
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s72.60147°,δ59.60732°,λ-58.99679°. NP2: ϕ_s202.69521°,δ42.32401°,λ-131.28961°. Principal axes: T Plg9.5005°,Azm140.9299° ; N Plg26.3787°,Azm235.6907°; P Plg61.7077°,Azm32.8160°
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 17 00 57 42.1–1.0 5.37S–.08 130.5E–.20 150 17 3-85
IDC IV 17 00 57 38.1–2.4 5.85S 129.62E 0 4.1,4.0L ¶610652898
NEIC IV 17 00 57 41.6–.60 5.33S–.07 130.4E–.20 137–12 4.0b,4.0L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IV 17 01 32 40.7–2.6 7.30S 128.04E 0 3.3,3.3b
¶610652901

IDC Error ellipse: s-maj=296.4km s-min=33.9km az=65.0.
IDC IV 18 01 36 41.3–2.4 6.89S 130.76E 0 3.8L,3.6
¶610652957

IDC Error ellipse: s-maj=110.3km s-min=27.1km az=72.0.
ISC IV 18 14 55 21.2–1.3 6.96S–.09 129.9E–.20 150 12 2-68
IDC IV 18 14 55 07.0–2.0 6.72S 129.46E 0 4.1b,3.7 ¶610652987
ISC Event type ke.
IDC Error ellipse: s-maj=114.7km s-min=31.3km az=68.0.
ISC IV 18 17 26 59.1–.66 7.37S–.07 126.76E–.06 350 4.0b 39 3-83
DJA IV 18 17 26 59.3–.50 7S–4.0 127E–4.0 313–8 4.9b,4.4 ¶610652993
NEIC IV 18 17 26 59.7–2.0 7.4S–.10 126.73E–.07 341–5 4.2b,4.4
IDC IV 18 17 27 02.0–5.4 7.48S 126.54E 380–67 4.2,3.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.2km s-min=10.5km az=172.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=110.0km s-min=21.5km az=77.0.
IDC IV 19 00 20 57.0–7.5 7.94S 128.98E 0 3.9b,3.6
¶610653017

IDC Error ellipse: s-maj=115.3km s-min=92.0km az=76.0.
IDC IV 19 06 38 42.5–2.3 7.49S 126.74E 0 3.5b,3.3
¶610653034

IDC Error ellipse: s-maj=303.5km s-min=33.5km az=62.0.
IDC IV 19 08 12 32.5–2.4 6.28S 129.29E 0 3.5L,3.4b
¶610653038

IDC Error ellipse: s-maj=143.4km s-min=32.9km az=68.0.
IDC IV 20 04 51 17.6–2.2 7.73S 129.30E 0 3.4b,3.3
¶610653096

IDC Error ellipse: s-maj=96.0km s-min=29.7km az=67.0.
ISC IV 20 17 54 21.9–.66 6.73S–.05 129.84E–.09 150 3.8b 35 2-71
IDC IV 20 17 54 19.9–3.8 6.85S 129.61E 126–41 4.1,3.6b ¶610653126
DJA IV 20 17 54 20.7–.40 7S–2.0 130E–4.0 198–8 5.1b,4.4
ISC Event type ke.
IDC IV 21 06 53 49.8–3.6 6.65S 126.32E 512–48 3.8,2.9b
¶610653168

IDC Error ellipse: s-maj=135.5km s-min=16.6km az=64.0.
ISC IV 21 15 35 05.4–.46 7.55S–.05 128.34E–.05 200 4.0b 69 3-151
NEIC IV 21 15 35 03.2–2.5 7.52S–.08 128.35E–.08 170–4 4.4b ¶610653207
DJA IV 21 15 35 03.9–.40 8S–3.0 128E–3.0 187–10 5.0b,4.4
IDC IV 21 15 35 04.1–3.4 7.44S 128.34E 166–31 4.2,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=11.0km az=72.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=34.3km s-min=15.5km az=72.0.
ISC IV 21 15 49 36.6–.59 4.43S–.08 127.22E–.07 350 4.0b 59 1-86
NEIC IV 21 15 49 36.5–.82 4.4S–.10 127.18E–.10 348–16 4.1b ¶610653209
DJA IV 21 15 49 37.7–.40 4S–3.0 127E–4.0 334–5 5.2b,4.6
IDC IV 21 15 49 37.7–3.4 4.46S 127.22E 357–47 4.3,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.8km s-min=13.0km az=202.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=65.4km s-min=13.9km az=68.0.
ISC IV 22 12 21 22.3–.64 6.33S–.06 130.24E–.07 146 3.9b 52 2-84
IDC IV 22 12 21 19.2–3.7 6.41S 130.05E 100–38 4.4,3.6b ¶610653265
DJA IV 22 12 21 20.6–.30 6S–3.0 130E–4.0 161–15 5.3b,4.7
NEIC IV 22 12 21 22.1–2.2 6.30S–.08 130.1E–.10 130–11 4.3b,4.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IV 22 14 54 20.4–1.6 7.08S 124.76E 0 3.5b,3.2
¶610653271

IDC Error ellipse: s-maj=212.8km s-min=29.2km az=60.0.
ISC IV 22 21 25 05.3–1.1 7.2S–.10 129.32E–.09 10 12 2-68
IDC IV 22 21 24 53.3–2.4 6.70S 129.04E 0 3.6L,3.4 ¶610653287
ISC Event type ke.
IDC Error ellipse: s-maj=147.7km s-min=33.0km az=67.0.
ISC IV 23 00 33 02.6–.43 5.07S–.05 126.86E–.07 400 3.8b 63 2-85
IDC IV 23 00 33 02.9–1.6 5.07S 126.83E 406–17 4.2,3.4b ¶610649781
NEIC IV 23 00 33 03.4–1.3 5.06S–.08 126.81E–.10 406–8 4.1b,3.4b
DJA IV 23 00 33 04.6–.40 5S–4.0 127E–4.0 382–6 4.8b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IV 23 04 11 53.2–1.9 6.65S 129.07E 0 3.4b,3.3
¶610649794

IDC Error ellipse: s-maj=75.7km s-min=30.4km az=80.0.
IDC IV 23 05 22 59.9–3.3 5.77S 128.89E 450–60 3.3,2.7b
¶610649799

IDC Error ellipse: s-maj=104.2km s-min=20.1km az=80.0.
IDC IV 23 06 29 56.7–1.7 6.86S 128.29E 0 4.0b,3.8
¶610649802

IDC Error ellipse: s-maj=56.3km s-min=28.7km az=77.0.
IDC IV 23 11 10 40.0–2.3 6.15S 128.44E 0 3.4b,3.2
¶610649812

IDC Error ellipse: s-maj=151.0km s-min=32.5km az=67.0.
IDC IV 23 11 36 38.0–1.9 6.63S 128.12E 0 3.5b,3.4s
¶610649814

IDC Error ellipse: s-maj=65.3km s-min=30.3km az=77.0.
ISC IV 23 14 33 50.7–.58 7.20S–.06 129.40E–.08 150 3.7b 40 2-128
IDC IV 23 14 33 48.8–4.1 7.26S 129.16E 113–43 3.9,3.4b ¶610649818
DJA IV 23 14 33 50.1–.30 7S–3.0 129E–3.0 174–10 4.8b,4.5
NEIC IV 23 14 33 51.6–2.5 7.14S–.06 129.4E–.10 165–12 4.1b,4.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IV 23 23 24 13.9–4.3 5.78S 131.26E 0 3.5b,3.3s
¶610649839

IDC Error ellipse: s-maj=312.0km s-min=32.6km az=72.0.
IDC IV 23 23 59 55.8–2.3 6.97S 128.79E 0 3.8L,3.5
¶610649844

IDC Error ellipse: s-maj=133.0km s-min=33.1km az=67.0.
IDC IV 24 11 11 52.8–1.8 6.53S 128.65E 0 3.9s,3.7b
¶610649884

IDC Error ellipse: s-maj=58.2km s-min=28.9km az=80.0.
IDC IV 25 13 21 05.5–2.7 7.33S 128.36E 0 3.4b,3.4L
¶610649991

IDC Error ellipse: s-maj=292.4km s-min=33.2km az=65.0.
IDC IV 25 15 52 52.2–2.1 7.81S 126.88E 0 3.6L,3.4
¶610650001

IDC Error ellipse: s-maj=174.5km s-min=33.3km az=62.0.
IDC IV 25 21 21 10.7–2.0 7.70S 126.80E 0 3.5,3.5b
¶610650017

IDC Error ellipse: s-maj=217.4km s-min=32.5km az=62.0.
IDC IV 26 16 45 06.3–4.7 6.05S 127.80E 402–71 3.8,2.6b
¶610650075

IDC Error ellipse: s-maj=96.0km s-min=18.3km az=80.0.
ISC IV 26 17 20 39.4–.89 6.27S–.06 123.17E–.06 10 4.0b 19 3-68
IDC IV 26 17 20 37.9–1.3 6.34S 123.10E 0 3.8L,3.7 ¶610650081
DJA IV 26 17 20 40.4–1.4 6S–3.0 123E–3.0 19–12 5.1b,4.4
ISC Event type ke.
IDC IV 26 20 48 53.9–7.4 7.77S 129.44E 0 3.7b,3.3
¶610650087

IDC Error ellipse: s-maj=97.4km s-min=89.5km az=102.0.
ISC IV 27 00 57 26.5–.54 7.29S–.06 126.77E–.07 350 3.6b 48 3-126
NEIC IV 27 00 57 26.9–1.3 7.3S–.10 126.82E–.07 342–10 4.0b ¶610650096
DJA IV 27 00 57 26.4–.40 7S–4.0 127E–5.0 312–6 7.5,7.2
IDC IV 27 00 57 27.7–3.5 7.20S 126.95E 354–38 4.0,3.1b
ISC Event type se.

NEIC Event type se. Error ellipse: s-maj=15.5km s-min=9.7km az=189.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=50.8km s-min=11.2km az=76.0.
IDC IV 27 03 26 56.7–3.7 7.89S 129.03E 0 3.8b,3.6 ¶610650098
IDC Error ellipse: s-maj=94.8km s-min=30.5km az=90.0.
ISC IV 27 10 28 30.6–1.1 6.53S–.07 129.7E–.20 150 13 4-68
IDC IV 27 10 28 16.9–1.9 6.75S 128.12E 0 3.7,3.7L **¶610650123**
ISC Event type ke.
IDC Error ellipse: s-maj=60.8km s-min=29.7km az=79.0.
IDC IV 27 13 19 27.7–1.9 6.75S 128.48E 0 3.5s,3.4L ¶610650137
IDC Error ellipse: s-maj=62.4km s-min=29.7km az=80.0.
ISC IV 27 15 34 29.5–.65 6.22S–.04 130.96E–.06 86 3.9b 52 2-84
IDC IV 27 15 34 26.2–5.7 6.36S 130.65E 35–56 4.2L,4.0 **¶610650145**
DJA IV 27 15 34 29.9–.20 6S–2.0 131E–3.0 92–11 5.3b,4.7
NEIC IV 27 15 34 29.4–2.4 6.18S–.05 130.8E–.10 80–11 4.2b,4.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 28 10 12 54.9–.52 4.95S–.06 128.18E–.06 350 3.9b 62 2-85
DJA IV 28 10 12 54.8–.30 5S–4.0 128E–3.0 335–5 5.2b,4.6 **¶610650216**
IDC IV 28 10 12 55.2–2.3 4.91S 128.41E 357–30 4.2,3.3b
NEIC IV 28 10 12 55.2–1.9 5.01S–.09 128.1E–.10 333–11 4.4b,3.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 29 06 08 03.9–.78 6.59S–.06 129.8E–.10 150 4.4b 26 2-72
IDC IV 29 06 07 50.3–1.4 6.93S 128.32E 0 4.2b,4.0 **¶610650287**
NEIC IV 29 06 08 05.5–.99 6.61S–.07 129.9E–.20 167–15 4.3b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 29 22 17 04.1–.42 5.95S–.04 130.02E–.05 150 4.4b 99 1-84
IDC IV 29 22 17 03.2–2.7 6.03S 129.90E 142–27 4.6,4.0b **¶610589452**
NEIC IV 29 22 17 04.8–1.2 5.95S–.07 129.88E–.03 156–7 4.5b,4.0b
DJA IV 29 22 17 05.0–.20 6S–2.0 130E–2.0 190–4 5.3b,4.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 30 10 09 38.5–1.1 5.36S–.07 129.82E–.09 250 15 1-67
DJA IV 30 10 09 26.4–.80 6S–6.0 130E–4.0 318–11 5.0b,4.4 **¶610650401**
IDC IV 30 10 09 40.5–3.5 5.41S 130.16E 227–48 3.6,2.9b
ISC Event type ke.
IDC Error ellipse: s-maj=96.6km s-min=15.9km az=77.0.
ISC IV 30 10 23 03.8–.85 7.24S–.08 124.88E–.08 500 32 3-29
IDC IV 30 10 21 26.6–16 1.72S 122.01E 0 4.0,3.9b **¶612489620**
DJA IV 30 10 23 03.6–.40 7S–3.0 125E–3.0 502–4 4.6b,4.3
ISC Event type ke.
ISC IV 30 11 12 03.8–.48 5.79S–.05 130.79E–.06 150 3.9b 83 2-92
IDC IV 30 11 12 02.7–2.8 5.79S 130.97E 128–27 3.9,3.4b **¶610650409**
NEIC IV 30 11 12 03.0–2.2 5.81S–.09 130.80E–.04 123–9 4.6b,3.4b
DJA IV 30 11 12 03.5–.20 6S–3.0 131E–2.0 134–5 5.2b,4.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC V 01 10 14 18.3–2.4 7.58S 127.47E 0 3.9L,3.7 ¶610689294
IDC Error ellipse: s-maj=282.1km s-min=33.2km az=64.0.
ISC V 01 15 42 18.4–.34 6.01S–.04 130.69E–.06 150 4.4b 167 2-151
IDC V 01 15 42 17.9–2.2 5.95S 130.61E 137–21 4.4,3.9b **¶610589745**
DJA V 01 15 42 17.7–.20 6S–2.0 131E–3.0 152–5 5.2b,4.9
NEIC V 01 15 42 18.3–1.2 5.98S–.06 130.7E–.10 138–8 4.5b,4.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DJA V 01 16 53 04.0–.30 5S–3.0 130E–3.0 189–4 5.5b,4.9 ¶615346310
IDC V 02 00 41 06.3–2.4 7.01S 126.44E 0 3.6,3.5b ¶610689352
IDC Error ellipse: s-maj=226.5km s-min=31.9km az=68.0.
IDC V 02 18 12 41.3–2.0 7.33S 128.66E 0 3.4L,3.3 ¶610689411
IDC Error ellipse: s-maj=67.1km s-min=30.5km az=80.0.
ISC V 03 00 35 02.9–.61 7.53S–.06 128.29E–.09 150 3.5b 33 3-151
IDC V 03 00 35 01.0–5.0 7.54S 128.03E 123–46 3.9,3.4b **¶610689420**
NEIC V 03 00 35 02.4–2.8 7.56S–.10 128.27E–.05 132–10 4.2b,3.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 03 08 05 46.7–.48 6.71S–.05 130.37E–.05 100 4.4b 67 2-129
IDC V 03 08 05 47.0–3.3 6.70S 130.51E 96–32 4.1,3.7b **¶616504424**
NEIC V 03 08 05 47.1–2.9 6.68S–.06 130.30E–.08 101–11 4.5b,3.7b
DJA V 03 08 05 49.0–.20 7S–2.0 131E–2.0 130–4 5.3b,5.0
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC V 04 09 07 49.1–14 6.99S 131.00E 95–160 3.7,3.6L ¶610689540
IDC Error ellipse: s-maj=96.9km s-min=60.3km az=50.0.
ISC V 04 16 00 10.4–.42 4.88S–.04 129.54E–.06 200 4.1b 96 1-128
IDC V 04 16 00 10.9–1.9 4.78S 129.52E 200–18 4.0,3.6s **¶610689554**
NEIC V 04 16 00 11.8–2.2 4.85S–.06 129.50E–.07 213–4 4.5b,3.6s
DJA V 04 16 00 12.9–.40 5S–3.0 129E–3.0 207–4 4.8b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC V 04 19 54 45.7–2.3 6.66S 129.65E 0 3.4b,3.2 ¶610689563
IDC Error ellipse: s-maj=122.0km s-min=33.5km az=68.0.
ISC V 05 07 04 59.0–.41 6.97S–.04 130.16E–.05 94–3 4.7b 358 2-151
BJI V 05 07 04 54.8–.00 7.37S 130.43E 103 5.0b,4.7b **¶610598550**
MOS V 05 07 04 54.4–.83 6.92S 130.25E 68 5.0b,4.7b
NEIC V 05 07 04 58.9–1.6 6.92S–.06 130.22E–.07 90–7 4.8b,4.7b
IDC V 05 07 04 58.2–2.3 6.96S 130.28E 86–20 4.6,4.2b
DJA V 05 07 04 59.5–.20 7S–2.0 130E–2.0 107–3 5.4b,5.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC V 05 19 13 57.8–2.3 5.29S 131.63E 0 3.3,3.2b ¶610689622
IDC Error ellipse: s-maj=155.8km s-min=27.2km az=79.0.
IDC V 06 19 30 57.3–2.3 5.15S 128.34E 0 3.4b,3.2 ¶610689681
IDC Error ellipse: s-maj=160.3km s-min=31.8km az=67.0.
IDC V 06 19 52 46.1–7.8 7.18S 129.81E 250–76 3.2,3.0b ¶610689684
IDC Error ellipse: s-maj=117.2km s-min=33.0km az=61.0.
ISC V 07 05 36 37.7–.79 6.68S–.06 127.70E–.10 400 3.7b 19 3-71
DJA V 07 05 36 37.9–.20 7S–4.0 128E–5.0 418–6 4.2,4.2b **¶610689698**
IDC V 07 05 36 40.0–2.9 6.52S 128.12E 440–39 4.3,3.3b
ISC Event type ke.
IDC Error ellipse: s-maj=59.6km s-min=10.8km az=74.0.
ISC V 07 09 59 04.3–.98 6.79S–.08 129.9E–.10 200 17 2-68
IDC V 07 09 58 46.0–2.2 6.49S 129.36E 0 3.8,3.8b **¶610689713**
DJA V 07 09 59 02.4–.60 7S–5.0 130E–12 202–13 4.8b,4.2
ISC Event type ke.
IDC V 07 10 55 57.1–2.2 7.56S 127.98E 0 3.5b,3.2 ¶610689718
IDC Error ellipse: s-maj=134.1km s-min=33.6km az=64.0.
ISC V 07 12 09 26.3–.91 7.35S–.06 129.5E–.10 150 14 6-68
IDC V 07 12 09 28.9–4.3 7.18S 130.35E 178–62 3.8,3.7s **¶610689724**
ISC Event type ke.
IDC Error ellipse: s-maj=133.2km s-min=22.3km az=80.0.
ISC V 07 12 37 03.8–.38 7.47S–.04 128.34E–.04 151 4.4b 115 3-151
DJA V 07 12 37 03.8–.20 8S–2.0 128E–2.0 171–6 5.0b,4.6 **¶610617838**
IDC V 07 12 37 04.4–3.4 7.43S 128.24E 157–32 4.4,3.7b
NEIC V 07 12 37 05.7–2.1 7.44S–.09 128.32E–.08 163–10 4.5b,3.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 07 19 59 11.8–.65 6.49S–.06 129.96E–.09 146 3.6b 23 2-78
IDC V 07 19 59 12.4–3.0 6.54S 129.94E 158–30 3.9,3.4b **¶610689752**
ISC Event type ke.
IDC Error ellipse: s-maj=47.1km s-min=21.1km az=82.0.
IDC V 08 01 25 13.1–2.2 7.07S 129.88E 0 3.7b,3.5 ¶610689769
IDC Error ellipse: s-maj=139.0km s-min=32.3km az=69.0.
ISC V 08 23 09 56.1–.92 5.80S–.06 129.50E–.09 250 17 1-67
IDC V 08 23 09 52.0–6.3 5.93S 128.58E 170–78 4.3,3.2b **¶610689855**
DJA V 08 23 09 55.9–.30 6S–3.0 129E–4.0 250–6 5.2b,4.6
ISC Event type ke.
ISC V 09 15 55 17.2–.57 7.32S–.05 129.59E–.06 150 3.6b 47 2-88
IDC V 09 15 55 11.7–3.9 7.41S 129.05E 83–39 4.0,3.5b **¶610619080**
NEIC V 09 15 55 16.9–2.1 7.20S–.10 129.57E–.08 137–12 4.0b,3.5b
DJA V 09 15 55 17.8–.30 7S–3.0 130E–3.0 114–9 5.2b,4.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC V 09 22 06 35.2–4.4 5.20S 129.30E 270–63 3.7,2.5b ¶610689918
IDC Error ellipse: s-maj=106.0km s-min=19.0km az=80.0.
IDC V 10 14 57 59.6–3.4 5.21S 128.36E 372–49 3.8,2.8b ¶610689969
IDC Error ellipse: s-maj=76.6km s-min=17.1km az=78.0.
ISC V 10 18 16 30.9–.49 7.21S–.04 129.38E–.06 150 4.1b 69 2-79
IDC V 10 18 16 31.0–2.5 7.19S 129.32E 155–24 4.1,3.5b **¶610689982**
DJA V 10 18 16 31.6–.30 7S–2.0 129E–3.0 174–7 5.0b,4.7
NEIC V 10 18 16 32.1–.71 7.05S–.03 129.38E–.08 153–9 4.4b,4.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 11 17 38 01.8–.52 5.55S–.06 126.74E–.06 450 4.0b 93 2-84
IDC V 11 17 38 02.5–3.2 5.49S 126.77E 468–51 4.1,3.0b **¶610690074**
DJA V 11 17 38 02.2–.20 5S–3.0 127E–2.0 465–3 4.4b,4.3
NEIC V 11 17 38 03.2–1.6 5.5S–.10 126.8E–.10 476–16 4.1b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 11 19 00 10.6–.99 6.25S–.05 130.39E–.09 150 21 2-68
IDC V 11 19 00 01.2–1.7 6.52S 129.23E 0 4.0L,3.9 **¶610690076**
DJA V 11 19 00 11.6–.30 6S–2.0 130E–4.0 155–7 5.0b,4.3
ISC Event type ke.
IDC V 11 20 01 10.6–2.0 7.81S 126.41E 0 3.7,3.7L ¶610690079
IDC Error ellipse: s-maj=47.5km s-min=29.6km az=84.0.
IDC V 11 21 34 50.3–1.7 6.78S 128.63E 0 3.9b,3.6 ¶610690083
IDC Error ellipse: s-maj=56.3km s-min=28.7km az=78.0.
ISC V 11 21 46 14.1–.36 6.64S–.03 130.13E–.04 157–3 4.8b 515 2-155
BJI V 11 21 46 11.8–.00 6.75S 130.25E 166 4.8b,4.7b **¶610630727**
NEIC V 11 21 46 13.9–1.0 6.57S–.05 130.09E–.08 153–6 4.8b,4.7b
IDC V 11 21 46 14.3–.76 6.55S 130.07E 153–6 4.9,4.4b
GCMT V 11 21 46 14.9–.40 6.64S–.02 130.06E–.03 178–4 5.0W,4.4b
DJA V 11 21 46 14.5–.10 7S–2.0 130E–2.0 155–2 5.5,5.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s11,c11; s76,c101;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.02±.15 $M_{\theta\theta}$-2.09±.18; $M_{\phi\phi}$2.11±.22; $M_{r\theta}$0.69±.11; $M_{\theta\phi}$-2.23±.17; $M_{\phi r}$2.27±.13; Best double couple: NP1:ϕ_s21.00000°,δ89.00000°,λ38.00000°. NP2:ϕ_s291.00000°,δ52.00000°,λ179.00000°. Principal axes: T 3.9690,Plg26.0000° ,Azm253.0000°; N -0.1970,Plg52.0000°,Azm22.0000°; P -3.7730,Plg25.0000° ,Azm150.0000° $M_0$3.87100×10^{16}
IDC V 12 04 18 47.2–2.7 7.01S 128.17E 0 3.9L,3.8 ¶610690099
IDC Error ellipse: s-maj=294.7km s-min=32.3km az=65.0.
ISC V 12 09 33 39.9–.47 7.25S–.05 128.69E–.07 100 4.3b 62 3-151
IDC V 12 09 33 37.6–3.2 7.33S 128.70E 78–30 4.3,4.1b **¶610690118**
NEIC V 12 09 33 42.3–2.5 7.34S–.07 129.01E–.07 125–8 4.3b,4.1b
DJA V 12 09 33 44.8–1.6 7S–5.0 129E–2.0 17–12 4.4,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC V 12 12 04 05.8–2.0 7.53S 128.14E 0 3.7,3.7L ¶610690129
IDC Error ellipse: s-maj=62.1km s-min=30.3km az=78.0.
IDC V 12 16 37 38.2–1.9 6.90S 129.20E 0 3.8b,3.8L ¶610690142
IDC Error ellipse: s-maj=152.1km s-min=29.4km az=68.0.
IDC V 13 01 51 21.6–1.9 6.49S 128.37E 0 3.5,3.5b ¶610690162
IDC Error ellipse: s-maj=58.1km s-min=29.6km az=81.0.
ISC V 13 12 34 57.6–.34 4.92S–.04 129.86E–.05 200 4.4b 158 0-152
IDC V 13 12 34 54.6–1.3 4.93S 129.83E 165–12 4.6,4.1b **¶610638467**
DJA V 13 12 34 56.3–.20 5S–2.0 130E–2.0 178–2 5.0,5.0b
NEIC V 13 12 34 57.8–1.4 4.94S–.10 129.8E–.10 195–8 4.5b,5.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC V 14 01 41 37.8–5.4 6.79S 129.52E 184–72 3.6,2.9b ¶610690232
IDC Error ellipse: s-maj=122.3km s-min=19.9km az=82.0.
IDC V 14 04 11 10.1–4.9 6.34S 130.47E 128–64 3.6,3.4b ¶610690245
IDC Error ellipse: s-maj=134.2km s-min=19.1km az=82.0.
IDC V 14 12 14 03.0–2.4 7.19S 128.41E 0 3.5b,3.2 ¶610690271
IDC Error ellipse: s-maj=198.7km s-min=33.1km az=66.0.
ISC V 14 17 52 56.3–.54 6.84S–.06 129.90E–.07 150 4.0b 39 2-129
IDC V 14 17 52 52.8–3.0 6.94S 129.68E 108–31 4.2,3.7b **¶610690291**
ISC Event type ke.
IDC Error ellipse: s-maj=33.8km s-min=15.0km az=80.0.
IDC V 14 19 45 17.2–1.7 6.49S 128.73E 0 3.9,3.9L ¶610690295
IDC Error ellipse: s-maj=57.0km s-min=28.4km az=79.0.
IDC V 15 04 17 06.5–2.3 6.98S 129.30E 0 3.4b,3.3 ¶610690314
IDC Error ellipse: s-maj=115.5km s-min=34.0km az=67.0.
ISC V 15 05 01 34.5–.73 5.80S–.06 129.06E–.09 300 3.6b 19 2-67
IDC V 15 05 01 34.1–2.6 5.87S 129.22E 284–34 4.1,3.3b **¶610690316**
DJA V 15 05 01 35.2–.30 6S–3.0 129E–4.0 275–6 4.9b,4.4
ISC Event type ke.
ISC V 15 11 03 04.5–.47 7.37S–.05 128.69E–.06 100 4.2b 67 3-94
IDC V 15 11 03 05.4–3.5 7.36S 128.62E 116–32 4.2,3.8b **¶610639172**
NEIC V 15 11 03 08.1–3.0 7.42S–.07 128.74E–.08 137–9 4.3b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 15 15 42 35.8–1.7 7.6S–.10 129.48E–.10 150 18 2-68

IDC V 15 15 42 15.3–1.9 6.70S 129.33E 0 4.1b,3.8 ¶610690343
ISC Event type ke.
IDC Error ellipse: s-maj=116.3km s-min=30.3km az=68.0.
ISC V 15 16 14 34.1–.52 7.32S–.05 129.46E–.06 150 4.1b 68 2-72
IDC V 15 16 14 30.4–4.6 7.43S 129.16E 101–60 4.3,3.6b ¶610639772
DJA V 15 16 14 32.8–.30 7S–3.0 130E–3.0 195–7 5.1b,4.6
NEIC V 15 16 14 33.8–1.7 7.33S–.09 129.44E–.07 146–11 4.2b,4.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 16 03 31 49.9–.74 6.6S–.10 127.8E–.20 353 3.7b 13 8-152
IDC V 16 03 31 55.7–2.1 6.76S 127.44E 424–25 4.3,3.3b ¶610690379
ISC Event type ke.
IDC Error ellipse: s-maj=36.0km s-min=10.8km az=67.0.
ISC V 16 04 25 04.3–.30 7.37S–.04 128.69E–.04 151 4.6b 173 3-155
NEIC V 16 04 25 04.4–1.4 7.40S–.07 128.8E–.10 153–7 4.6b ¶610641349
DJA V 16 04 25 04.1–.20 7S–2.0 129E–1.0 132–4 5.6,5.4
IDC V 16 04 25 05.2–1.5 7.27S 128.63E 153–12 4.7,4.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.1km s-min=7.9km az=61.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=14.7km s-min=8.5km az=79.0.
ISC V 16 10 21 33.8–.49 7.66S–.05 128.40E–.05 151 4.1b 85 3-151
IDC V 16 10 21 26.3–4.4 7.72S 127.67E 75–40 4.5L,4.2 ¶610690409
NEIC V 16 10 21 28.9–2.9 7.6S–.10 128.3E–.20 98–8 4.2b,4.2
DJA V 16 10 21 33.2–.30 8S–2.0 128E–2.0 142–11 5.6b,5.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC V 16 14 31 38.6–5.9 6.48S 129.59E 118–75 3.4,3.0b
¶610690427
IDC Error ellipse: s-maj=134.0km s-min=25.2km az=80.0.
IDC V 16 15 57 40.2–1.7 7.59S 127.50E 0 4.1L,4.0
¶610690430
IDC Error ellipse: s-maj=58.1km s-min=29.5km az=73.0.
ISC V 17 09 27 49.2–.77 7.25S–.06 129.39E–.08 110 17 5-27
IDC V 17 09 27 45.3–5.9 7.03S 129.11E 106–67 4.2,4.1L ¶610690476
DJA V 17 09 27 51.0–.60 7S–3.0 129E–4.0 110–63 5.0b,4.7b
ISC Event type ke.
ISC V 17 11 16 01.2–.99 6.50S–.08 130.5E–.10 90 11 4-81
IDC V 17 11 15 51.4–2.2 6.17S 129.92E 0 3.9b,3.6s ¶610690488
ISC Event type ke.
IDC Error ellipse: s-maj=137.3km s-min=30.9km az=69.0.
ISC V 17 13 46 10.2–.48 6.12S–.06 125.20E–.07 550 4.1b 77 3-79
NEIC V 17 13 46 10.5–1.5 6.08S–.06 125.1E–.10 549–12 4.3b ¶610641931
DJA V 17 13 46 10.0–.20 6S–2.0 125E–3.0 548–4 4.8b,4.5
IDC V 17 13 46 11.1–1.1 6.13S 125.20E 560–14 4.3,3.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.9km s-min=7.3km az=77.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=21.7km s-min=8.6km az=63.0.
IDC V 17 19 08 24.9–4.1 5.86S 128.45E 426–68 3.7,2.7b
¶610690519
IDC Error ellipse: s-maj=108.0km s-min=18.3km az=81.0.
IDC V 17 20 45 39.4–12 4.48S 124.29E 0 3.7L,3.4
¶610690523
IDC Error ellipse: s-maj=241.1km s-min=178.2km az=55.0.
IDC V 18 01 05 12.7–1.8 6.02S 129.70E 0 3.9L,3.8
¶610690538
IDC Error ellipse: s-maj=69.0km s-min=27.9km az=81.0.
IDC V 18 07 31 25.2–2.0 7.74S 124.35E 0 3.4b,3.3
¶610690559
IDC Error ellipse: s-maj=146.2km s-min=29.4km az=58.0.
ISC V 18 10 07 26.0–.87 6.51S–.07 129.9E–.10 150 18 2-68
IDC V 18 10 07 21.7–4.9 6.83S 129.20E 98–54 4.0,3.9b ¶610690586
ISC Event type ke.
IDC Error ellipse: s-maj=86.9km s-min=19.4km az=75.0.
ISC V 18 19 56 29.8–.73 6.43S–.06 130.20E–.08 146 3.7b 27 2-78
IDC V 18 19 56 29.6–3.3 6.43S 130.18E 128–33 4.0,3.6b ¶610690619
DJA V 18 19 56 29.3–.30 6S–3.0 130E–3.0 167–7 4.7b,4.5
ISC Event type ke.
IDC V 19 01 38 26.0–2.0 6.56S 129.09E 0 4.0b,3.8
¶610690634
IDC Error ellipse: s-maj=132.4km s-min=30.4km az=68.0.
IDC V 19 03 04 26.8–4.7 6.40S 128.00E 354–52 4.1,3.2b
¶610690640
IDC Error ellipse: s-maj=55.0km s-min=13.5km az=73.0.
IDC V 20 04 01 27.3–3.6 6.16S 128.71E 443–45 3.8,2.9b
¶610685007
IDC Error ellipse: s-maj=107.6km s-min=18.3km az=69.0.
ISC V 20 04 35 47.5–.35 7.13S–.04 129.26E–.06 139 4.5b 161 2-151
BJI V 20 04 35 43.6–.00 7.75S 129.27E 149 4.8b,4.7b ¶610645711
IDC V 20 04 35 48.7–1.7 7.03S 129.33E 143–14 4.5,4.0b
DJA V 20 04 35 48.0–.30 7S–3.0 129E–3.0 169–7 5.0b,4.7b
NEIC V 20 04 35 48.3–1.6 7.09S–.08 129.32E–.08 146–8 4.5b,4.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC V 20 07 07 11.6–2.3 6.72S 130.04E 0 3.7b,3.5L
¶610685012
IDC Error ellipse: s-maj=138.6km s-min=32.0km az=69.0.
ISC V 20 15 43 07.6–.43 6.28S–.04 130.22E–.06 150 4.1b 78 2-84
NEIC V 20 15 43 08.9–2.9 6.23S–.07 130.3E–.10 156–9 4.1b ¶610685037
DJA V 20 15 43 09.7–.40 6S–2.0 130E–4.0 163–6 4.8b,4.5
IDC V 20 15 43 10.6–3.0 6.17S 130.31E 169–29 4.0,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.6km s-min=10.0km az=79.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=33.0km s-min=15.1km az=61.0.
IDC V 20 19 01 00.5–2.3 6.34S 129.24E 0 3.3,3.2b
¶610685043
IDC Error ellipse: s-maj=63.7km s-min=31.9km az=58.0.
ISC V 21 11 52 11.2–1.5 7.4S–.10 129.8E–.20 150 13 6-68
IDC V 21 11 51 55.8–2.2 7.08S 128.96E 0 3.8L,3.6 ¶610685084
ISC Event type ke.
IDC Error ellipse: s-maj=113.8km s-min=33.2km az=67.0.
IDC V 22 06 12 31.5–2.0 7.72S 124.23E 0 3.7,3.7L
¶610685135
IDC Error ellipse: s-maj=192.9km s-min=31.8km az=58.0.
IDC V 22 13 15 27.8–2.5 5.85S 130.54E 0 3.6b,3.4
¶610685163
IDC Error ellipse: s-maj=145.9km s-min=32.2km az=71.0.
ISC V 22 15 14 15.7–.54 6.14S–.05 130.98E–.06 100 4.5b 49 2-82
IDC V 22 15 14 03.2–2.4 5.63S 131.42E 0 4.3L,4.1 ¶610646386
DJA V 22 15 14 16.7–.20 6S–3.0 131E–3.0 120–7 5.0b,4.4
NEIC V 22 15 14 17.2–1.9 5.98S–.07 130.8E–.10 105–4 4.3b,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 22 17 41 15.4–.68 5.85S–.08 127.8E–.10 400 3.3b 23 4-70
NEIC V 22 17 41 16.2–.26 5.8S–.10 127.83E–.07 403–17 4.2b ¶610685170
IDC V 22 17 41 17.0–3.4 5.88S 127.77E 424–40 4.0,3.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.4km s-min=7.9km az=157.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=64.8km s-min=10.8km az=72.0.
ISC V 22 20 35 54.0–.52 4.71S–.05 126.66E–.06 35 4.2b,3.4s 78 2-98
DJA V 22 20 35 53.1–1.1 5S–2.0 127E–2.0 22–11 5.0b,4.8b ¶610646462
NEIC V 22 20 35 54.7–2.7 4.74S–.07 126.63E–.03 41–11 4.3b,4.8b
IDC V 22 20 35 58.9–4.4 4.71S 126.49E 78–46 4.5L,4.1
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=4.5km az=170.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=33.0km s-min=14.7km az=52.0.
IDC V 22 20 44 10.5–2.5 6.17S 130.61E 0 3.8b,3.7L
¶610685179
IDC Error ellipse: s-maj=150.8km s-min=31.2km az=71.0.
IDC V 23 13 45 17.4–1.4 7.85S 127.46E 0 3.8b,3.6
¶610685222
IDC Error ellipse: s-maj=130.5km s-min=23.7km az=64.0.
ISC V 23 14 36 28.7–.57 6.74S–.07 127.96E–.08 300 3.9b 37 4-81
DJA V 23 14 36 28.8–.40 7S–3.0 128E–3.0 293–8 4.8b,4.2 ¶610685227
NEIC V 23 14 36 28.8–.95 6.67S–.06 128.01E–.08 297–8 4.5b,4.2
IDC V 23 14 36 33.0–5.0 6.74S 128.09E 355–62 4.2,3.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.9km s-min=6.9km az=117.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=30.6km s-min=14.2km az=64.0.
ISC V 23 15 00 47.3–.72 5.75S–.07 127.91E–.09 350 3.6b 39 2-70
NEIC V 23 15 00 48.3–.42 5.7S–.10 127.9E–.10 372–13 4.2b ¶610685230
DJA V 23 15 00 48.1–.50 6S–3.0 128E–5.0 367–9 4.7b,4.0
IDC V 23 15 00 49.4–3.7 5.80S 127.86E 380–43 4.1,3.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.5km s-min=15.1km az=96.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=100.8km s-min=12.3km az=65.0.
IDC V 23 16 59 39.6–8.0 4.35S 126.06E 482–114 4.0,3.0b
¶610685233
IDC Error ellipse: s-maj=203.4km s-min=36.0km az=64.0.
ISC V 24 04 22 12.5–.87 7.7S–.10 127.3E–.20 10 4.0b 16 6-67
IDC V 24 04 22 10.2–1.6 7.44S 127.67E 0 4.1b,4.0 ¶610685267
ISC Event type ke.
IDC Error ellipse: s-maj=72.1km s-min=21.3km az=64.0.
IDC V 24 07 12 38.7–2.3 6.69S 129.90E 0 3.7b,3.6L
¶610685281
IDC Error ellipse: s-maj=145.3km s-min=32.0km az=69.0.
ISC V 24 10 55 00.9–1.1 6.67S–.08 130.0E–.20 146 14 4-68
IDC V 24 10 54 45.7–2.1 6.20S 129.79E 0 4.2b,3.8 ¶610685291
ISC Event type ke.
IDC Error ellipse: s-maj=137.9km s-min=30.1km az=69.0.
IDC V 24 20 32 50.5–5.2 5.41S 129.83E 181–55 3.8,3.0b
¶610685316
IDC Error ellipse: s-maj=139.0km s-min=17.8km az=72.0.
ISC V 26 00 08 30.2–1.1 6.31S–.06 129.9E–.10 150 17 2-68
IDC V 26 00 08 17.0–2.2 5.69S 130.79E 0 3.8b,3.6L ¶610685397
NEIC V 26 00 08 30.7–2.1 6.29S–.07 129.8E–.10 152–21 4.0b,3.6L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DJA V 26 05 37 14.1–.60 8S–7.0 123E–4.0 206–7 3.7b,3.7
¶615346630
ISC V 26 15 23 58.0–.96 6.03S–.08 130.05E–.09 10 18 2-71
DJA V 26 15 23 58.1–.40 6S–4.0 130E–4.0 10 5.2b,4.5 ¶610685436
IDC V 26 15 24 01.3–1.7 6.63S 130.39E 0 3.9b,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=107.1km s-min=19.1km az=73.0.
ISC V 26 19 29 44.9–.32 7.49S–.03 128.22E–.04 151–2 5.1b 653 3-152
BJI V 26 19 29 40.1–.00 7.82S 128.55E 155 5.2b,4.9b ¶610654866
MOS V 26 19 29 45.9–.83 7.45S 128.15E 175 5.0b,4.9b
GCMT V 26 19 29 45.4–.20 7.53S–.01 128.15E–.02 149–2 5.0W,4.9b
DJA V 26 19 29 45.2–.20 8S–2.0 128E–1.0 148–3 5.4,5.3b
NEIC V 26 19 29 45.4–1.6 7.43S–.07 128.20E–.06 151–4 5.1b,5.3b
IDC V 26 19 29 45.5–1.8 7.40S 128.20E 151–16 5.0,4.5b
ISC Event type se.
MOS Error ellipse: s-maj=10.0km s-min=5.0km az=113.5.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s42,c47; s112,c170;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.20±.09 $M_{\theta\theta}$-2.93±.10; $M_{\phi\phi}$0.73±.12; $M_{r\theta}$1.51±.07; $M_{\theta\phi}$1.34±.10; $M_{\phi r}$1.19±.08; Best double couple: NP1:ϕ_s78.00000°,δ64.00000°,λ53.00000°. NP2:ϕ_s318.00000°,δ44.00000°,λ141.00000°. Principal axes: T 3.4760,Plg55.0000° ,Azm301.0000°; N 0.1110,Plg33.0000°,Azm97.0000°; P -3.5840,Plg11.0000°,Azm194.0000° $M_0$3.53000×10^{16}
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=8.9km az=205.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=12.6km s-min=8.0km az=65.0.
IDC V 27 03 06 01.6–2.6 5.98S 130.16E 0 3.5b,3.3
¶610685469
IDC Error ellipse: s-maj=148.1km s-min=33.1km az=70.0.
IDC V 27 03 15 20.4–2.3 4.89S 128.51E 0 3.7L,3.5
¶610685471
IDC Error ellipse: s-maj=159.3km s-min=31.1km az=67.0.
ISC V 27 07 04 29.0–.72 6.82S–.07 129.03E–.09 200 4.2b 27 3-82
IDC V 27 07 04 09.4–1.9 6.12S 129.00E 0 4.5b,4.4 ¶610685483
NEIC V 27 07 04 29.5–2.2 6.66S–.09 129.0E–.10 211–12 4.2b,4.4
DJA V 27 07 04 30.2–.20 7S–3.0 129E–3.0 206–6 5.0b,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 27 11 07 23.5–.89 6.65S–.08 128.96E–.09 200 3.9b 13 2-72
IDC V 27 11 07 04.8–1.7 6.83S 127.31E 0 4.1b,4.0 ¶610685491
DJA V 27 11 07 23.4–.30 7S–3.0 129E–3.0 218–6 5.3b,4.7
ISC Event type ke.
ISC V 27 15 23 18.7–.88 7.00S–.06 129.65E–.07 10 18 2-68
IDC V 27 15 23 20.5–2.3 7.61S 128.85E 0 3.9L,3.6 ¶610685503
DJA V 27 15 23 20.4–1.5 7S–2.0 130E–3.0 18–13 4.9b,4.3b
ISC Event type ke.
ISC V 27 16 14 05.2–1.3 4.9S–.10 125.3E–.20 400 6 2-86
IDC V 27 16 12 36.4–10 0.78N 123.53E 0 3.9,3.9b ¶615346640
DJA V 27 16 14 08.0–1.1 4S–7.0 125E–13 405–17 3.9b,3.7b
ISC Event type ke.
IDC V 27 20 54 41.6–4.2 4.91S 131.61E 0 3.3b,3.2
¶610685517
IDC Error ellipse: s-maj=279.7km s-min=33.0km az=73.0.
IDC V 28 19 47 54.3–2.2 7.25S 127.11E 0 3.5b,3.4
¶610685569
IDC Error ellipse: s-maj=239.9km s-min=32.4km az=63.0.
ISC V 29 06 52 55.3–.67 5.93S–.04 131.01E–.10 100 4.3b 31 2-72
IDC V 29 06 52 46.0–2.1 5.90S 130.12E 0 4.1b,4.0 ¶610685595
NEIC V 29 06 52 55.7–1.7 5.82S–.07 130.58E–.09 91–12 4.6b,4.0
DJA V 29 06 52 56.9–.50 6S–4.0 131E–7.0 164–8 4.9b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC V 29 13 22 27.2–11 6.16S 127.93E 324–137 3.4,2.8b
¶610685614
IDC Error ellipse: s-maj=164.5km s-min=49.1km az=64.0.
IDC V 30 13 26 27.6–2.4 6.93S 129.15E 0 3.5b,3.3
¶610685722
IDC Error ellipse: s-maj=146.5km s-min=33.5km az=67.0.
ISC V 31 06 31 13.6–.55 6.95S–.06 129.67E–.07 139 5.2b 55 2-162
IDC V 31 06 31 01.3–2.0 6.83S 129.52E 0 4.7L,4.6 ¶610685769
NEIC V 31 06 31 13.7–2.2 6.93S–.08 129.48E–.09 138–8 5.2b,4.6
DJA V 31 06 31 14.3–.50 7S–2.0 130E–6.0 185–16 5.2b,4.6
ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 31 07 22 42.2–1.1 7.3S–.40 129E–1.0 131 3.9b 8 14-72
IDC V 31 07 22 47.4–9.5 7.31S 128.93E 179–100 4.0,3.5b ¶610685776
ISC Event type ke.
IDC Error ellipse: s-maj=177.7km s-min=34.6km az=67.0.
ISC V 31 12 13 27.8–.00 6.71S–.09 129.3E–.10 150 14 2-68
IDC V 31 12 13 12.4–2.8 6.51S 128.40E 0 3.6b,3.6L ¶610685791
ISC Event type ke.
IDC Error ellipse: s-maj=287.3km s-min=32.0km az=66.0.
IDC V 31 13 32 50.0–2.2 7.11S 129.68E 0 3.3,3.3L ¶610685797
IDC Error ellipse: s-maj=80.8km s-min=33.6km az=68.0.
IDC VI 01 04 08 22.9–2.1 4.27S 127.27E 0 3.5L,3.3 ¶610791034
IDC Error ellipse: s-maj=152.3km s-min=30.2km az=66.0.
IDC VI 01 09 10 36.8–2.6 5.71S 130.48E 0 3.7L,3.6 ¶610791047
IDC Error ellipse: s-maj=145.0km s-min=32.7km az=71.0.
ISC VI 01 22 54 24.2–.39 7.69S–.04 129.25E–.05 100 4.5b 130 2-151
IDC VI 01 22 54 11.7–.84 7.31S 129.36E 0 5.0L,4.4 ¶610659581
NEIC VI 01 22 54 24.7–2.8 7.52S–.07 129.34E–.07 109–6 4.7b,4.4
DJA VI 01 22 54 25.5–.20 8S–2.0 129E–2.0 117–4 5.5b,5.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VI 02 09 41 16.8–13 7.69S 129.56E 86–103 3.5,3.5L ¶610791090
IDC Error ellipse: s-maj=103.3km s-min=85.1km az=79.0.
IDC VI 02 09 46 54.7–6.1 6.61S 130.19E 214–68 3.6,3.3b ¶610791092
IDC Error ellipse: s-maj=151.0km s-min=24.0km az=73.0.
ISC VI 02 10 49 22.8–.62 6.90S–.07 129.64E–.08 200 3.9b 37 2-82
NEIC VI 02 10 49 22.4–2.2 6.91S–.08 129.53E–.09 174–9 4.4b ¶610791095
IDC VI 02 10 49 29.2–8.1 7.13S 129.20E 236–82 4.2,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.8km s-min=10.7km az=61.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=115.5km s-min=19.6km az=61.0.
ISC VI 02 15 32 22.5–.54 7.24S–.06 129.49E–.06 150 3.7b 53 2-128
IDC VI 02 15 32 16.6–7.8 6.94S 130.02E 94–75 4.3L,4.0 ¶610791107
DJA VI 02 15 32 22.7–.40 7S–3.0 129E–4.0 175–9 4.9b,4.5
NEIC VI 02 15 32 23.4–3.0 7.16S–.10 129.50E–.10 164–5 4.1b,4.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 03 04 09 50.0–1.4 6.8S–.20 129.8E–.40 10 4.0b 10 6-72
IDC VI 03 04 09 48.9–1.4 6.80S 129.53E 0 4.2b,4.2L ¶610791145
ISC Event type ke.
IDC Error ellipse: s-maj=136.2km s-min=22.0km az=66.0.
IDC VI 03 07 13 25.2–2.6 7.28S 128.23E 0 3.5b,3.2 ¶610791159
IDC Error ellipse: s-maj=303.8km s-min=32.7km az=65.0.
IDC VI 03 08 55 40.1–2.2 6.77S 128.78E 0 3.7L,3.3 ¶610791166
IDC Error ellipse: s-maj=119.1km s-min=33.1km az=67.0.
IDC VI 03 16 47 59.6–2.0 4.12S 125.39E 0 3.5L,3.3 ¶610791180
IDC Error ellipse: s-maj=232.1km s-min=28.9km az=63.0.
IDC VI 04 04 25 13.1–2.5 6.10S 129.45E 0 3.6L,3.5 ¶610791211
IDC Error ellipse: s-maj=168.0km s-min=32.7km az=69.0.
ISC VI 04 17 58 46.5–1.1 6.62S–.08 129.6E–.10 150 17 5-68
IDC VI 04 17 58 51.5–19 7.15S 129.06E 172–214 3.9L,3.7 ¶610791249
ISC Event type ke.
IDC Error ellipse: s-maj=104.5km s-min=91.7km az=94.0.
ISC VI 04 18 34 01.9–1.6 6.4S–.10 130.8E–.20 200 13 6-68
IDC VI 04 18 33 42.5–2.4 6.02S 129.68E 0 3.7L,3.6s ¶610791250
ISC Event type ke.
IDC Error ellipse: s-maj=154.1km s-min=31.5km az=69.0.
IDC VI 05 09 03 08.0–2.2 7.94S 129.26E 0 3.4b,3.2 ¶610791274
IDC Error ellipse: s-maj=98.3km s-min=29.6km az=66.0.
ISC VI 05 16 33 58.4–.82 4.22S–.07 131.63E–.09 29 4.0b 28 1-86
IDC VI 05 16 33 55.6–2.4 4.77S 130.67E 0 3.7,3.7b ¶610791288
DJA VI 05 16 33 58.6–.30 4S–4.0 132E–4.0 88–13 5.2b,4.6
ISC Event type ke.
ISC VI 05 17 47 50.1–1.0 4.22S–.07 132.0E–.20 35 15 1-70
IDC VI 05 17 47 42.1–4.7 3.69S 133.35E 0 3.9b,3.7 ¶610791293
ISC Event type ke.
IDC Error ellipse: s-maj=310.3km s-min=26.9km az=77.0.
IDC VI 06 06 15 21.2–1.9 6.17S 129.80E 0 4.0b,3.8 ¶610791323
IDC Error ellipse: s-maj=96.6km s-min=16.5km az=73.0.
ISC VI 06 11 14 30.5–.53 6.50S–.05 129.65E–.08 200 4.4b 63 2-87
IDC VI 06 11 14 10.8–1.8 5.82S 129.82E 0 4.6L,4.4 ¶610664155
NEIC VI 06 11 14 28.4–1.9 6.43S–.08 129.69E–.10 167–9 4.4b,4.4
DJA VI 06 11 14 29.8–.30 6S–3.0 130E–4.0 202–6 5.1b,4.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 08 17 08 06.0–.79 5.69S–.08 129.12E–.09 300 31 3-98
IDC VI 08 17 07 39.8–2.1 5.21S 128.71E 0 4.2L,4.1 ¶610791476
NEIC VI 08 17 08 05.6–2.1 5.6S–.10 128.9E–.20 296–17 4.3b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 08 22 08 36.4–.88 6.17S–.08 130.0E–.10 200 24 4-84
IDC VI 08 22 08 19.6–2.7 6.04S 128.92E 0 3.8L,3.6 ¶610791484
NEIC VI 08 22 08 35.5–1.6 6.06S–.03 129.9E–.10 185–12 4.4b,3.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 09 07 53 10.4–.92 4.25S–.07 131.7E–.10 35 4.1b 9 1-77
IDC VI 09 07 53 08.2–2.1 4.50S 130.45E 0 4.0b,3.8 ¶610791513
DJA VI 09 07 53 10.3–.50 4S–4.0 131E–5.0 78–16 4.3b,3.9
ISC Event type ke.
ISC VI 09 13 32 50.3–.61 5.84S–.07 127.8E–.10 400 3.8b 29 4-84
NEIC VI 09 13 32 50.6–.82 5.81S–.07 127.8E–.10 398–8 4.0b ¶610791540
IDC VI 09 13 32 50.8–3.6 5.80S 127.89E 407–43 4.3,3.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.3km s-min=9.6km az=80.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=98.8km s-min=13.0km az=68.0.
ISC VI 09 14 44 30.8–.90 6.79S–.07 130.1E–.10 150 13 4-68
IDC VI 09 14 44 16.2–2.8 6.73S 128.63E 0 3.7s,3.7b ¶610791543
ISC Event type ke.
IDC Error ellipse: s-maj=294.4km s-min=31.2km az=67.0.
IDC VI 09 23 45 48.9–2.8 6.74S 128.70E 0 4.2b,3.8 ¶610791562
IDC Error ellipse: s-maj=307.3km s-min=30.2km az=67.0.
ISC VI 10 15 51 03.6–.61 4.26S–.06 126.87E–.07 300 3.7b 61 1-76
NEIC VI 10 15 51 05.1–2.1 4.19S–.09 126.9E–.10 334–12 4.1b ¶610791601
IDC VI 10 15 51 05.6–1.9 4.34S 126.74E 330–18 3.9,3.2b
DJA VI 10 15 51 06.0–.30 4S–3.0 127E–3.0 302–4 4.9b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VI 10 20 34 03.7–2.0 6.50S 128.95E 0 4.0L,3.7 ¶610791614
IDC Error ellipse: s-maj=114.7km s-min=30.9km az=67.0.
IDC VI 11 02 12 23.8–2.5 5.77S 130.49E 0 3.5b,3.3 ¶610791632
IDC Error ellipse: s-maj=133.2km s-min=33.2km az=71.0.
ISC VI 11 07 02 33.5–.35 4.41S–.04 126.09E–.05 415–3 4.8b 497 2-164
IDC VI 11 07 02 32.5–.41 4.41S 126.06E 401–4 5.2,4.4b ¶610669620
DJA VI 11 07 02 33.9–.10 4S–2.0 126E–1.0 418–2 5.5,5.3b
GCMT VI 11 07 02 34.1–.60 4.37S–.05 125.94E–.05 417–4 5.2W,5.3b
NEIC VI 11 07 02 34.1–1.5 4.41S–.08 126.08E–.08 413–6 4.8b,5.3b
ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. Moment Tensor Solution. s48,c68;Duration: 1ş0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.18±.42 $M_{\theta\theta}$2.48±.54; $M_{\phi\phi}$-0.30±.66; $M_{r\theta}$6.65±.73; $M_{\theta\phi}$4.08±.54; $M_{\phi r}$-0.96±.74; Best double couple: NP1: ϕ_s272.00000°,δ81.00000°,λ-59.00000°. NP2:ϕ_s17.00000°,δ32.00000°,λ-163.00000°. Principal axes: T 8.1790,Plg29.0000°,Azm338.0000°; N 0.0450,Plg31.0000°,Azm87.0000° ; P -8.2260,Plg45.0000°,Azm213.0000° $M_0$8.20300×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 11 21 32 30.9–.59 6.03S–.07 127.86E–.08 400 3.7b 40 3-84
IDC VI 11 21 32 29.1–8.6 6.08S 127.59E 376–103 4.2,2.9b ¶610791679
NEIC VI 11 21 32 31.5–.67 6.0S–.10 127.8E–.10 403–12 4.2b,2.9b
DJA VI 11 21 32 32.0–.40 6S–3.0 128E–3.0 386–6 5.0b,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VI 12 00 04 21.7–2.3 7.14S 128.54E 0 3.4b,3.4L ¶610791686
IDC Error ellipse: s-maj=141.5km s-min=33.9km az=66.0.
IDC VI 12 00 26 28.1–2.3 6.42S 128.79E 0 3.5b,3.3 ¶610791688
IDC Error ellipse: s-maj=153.3km s-min=32.5km az=67.0.
IDC VI 12 05 45 30.3–7.9 7.74S 128.94E 218–88 3.4,3.2b ¶610791699
IDC Error ellipse: s-maj=145.7km s-min=33.1km az=69.0.
IDC VI 12 11 56 16.5–2.3 5.98S 130.61E 0 3.6b,3.6L ¶610791723
IDC Error ellipse: s-maj=98.4km s-min=32.9km az=70.0.
IDC VI 12 13 34 01.9–2.4 5.85S 129.80E 0 3.8b,3.4 ¶610791730
IDC Error ellipse: s-maj=152.1km s-min=31.1km az=69.0.
ISC VI 12 15 46 47.1–.34 5.66S–.03 129.71E–.04 34–1 4.9b,4.2s 476 1-152
BJI VI 12 15 46 41.7–.00 6.06S 129.93E 37 5.1b,4.8b ¶610670985
IDC VI 12 15 46 42.1–.48 5.60S 129.74E 0 4.7,4.6b
MOS VI 12 15 46 43.3–.74 5.62S 129.69E 23 5.0b,4.6b
DJA VI 12 15 46 46.7–.30 6S–2.0 130E–1.0 36–4 5.6b,5.5
KLM VI 12 15 46 46 5.54S 129.98E 41 5.4b,5.5
GCMT VI 12 15 46 46.7–.20 5.59S–.01 129.72E–.01 21–1 5.2W,5.5
NEIC VI 12 15 46 47.7–.95 5.60S–.03 129.68E–.06 37–7 5.0b,5.5
ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s33,c36; s102,c147;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.29±.38 $M_{\theta\theta}$-2.71±.23; $M_{\phi\phi}$5.00±.29; $M_{r\theta}$-0.09±.42; $M_{\theta\phi}$5.53±.17; $M_{\phi r}$2.22±.46; Best double couple: NP1:ϕ_s164.00000°,δ85.00000°,λ-160.00000°. NP2:ϕ_s72.00000°,δ70.00000°,λ-6.00000°. Principal axes: T 8.2410,Plg10.0000° ,Azm297.0000°; N -2.2840,Plg69.0000°,Azm178.0000°; P -5.9570,Plg18.0000° ,Azm30.0000° $M_0$7.09900×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VI 13 05 45 33.5–2.2 5.99S 129.05E 0 3.8L,3.7 ¶610791759
IDC Error ellipse: s-maj=120.3km s-min=31.8km az=68.0.
ISC VI 13 09 28 24.2–.56 7.27S–.05 129.86E–.07 150 3.8b 48 2-83
IDC VI 13 09 28 11.6–1.8 7.02S 129.44E 0 4.1L,3.9 ¶610791768
NEIC VI 13 09 28 17.5–2.1 7.29S–.07 129.32E–.07 70–10 4.2b,3.9
DJA VI 13 09 28 23.3–.30 7S–2.0 130E–4.0 168–8 5.0b,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 13 12 06 20.7–.92 6.87S–.08 129.64E–.09 150 17 2-72
IDC VI 13 12 06 06.5–2.1 7.17S 127.88E 0 3.7b,3.7L ¶610791776
NOU VI 13 12 06 21.9 6.85S 129.65E 156 4.0b,3.7L
ISC Event type ke.
IDC Error ellipse: s-maj=281.3km s-min=29.8km az=65.0.
NOU Banda Sea.
ISC VI 13 15 41 59.1–.63 7.82S–.06 127.58E–.07 150 3.9b 39 4-82
IDC VI 13 15 41 43.8–2.0 6.90S 128.51E 0 3.9b,3.8 ¶610791784
NEIC VI 13 15 41 58.9–2.2 7.62S–.08 127.57E–.08 133–9 4.1b,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VI 13 16 53 23.8–2.1 7.16S 129.73E 0 3.9L,3.7 ¶610791789
IDC Error ellipse: s-maj=110.3km s-min=29.1km az=65.0.
ISC VI 13 16 54 52.4–.66 6.56S–.07 129.71E–.09 150 3.8b 26 2-68
IDC VI 13 16 54 36.0–1.8 6.04S 130.48E 0 3.8b,3.8L ¶610791790
NEIC VI 13 16 54 52.8–1.5 6.42S–.07 129.68E–.08 142–11 4.2b,3.8L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VI 13 19 25 12.7–2.1 6.47S 130.06E 0 3.7s,3.6 ¶610791795
IDC Error ellipse: s-maj=152.9km s-min=29.0km az=67.0.
ISC VI 13 21 21 19.0–1.1 7.0S–.10 129.0E–.20 200 9 3-68
IDC VI 13 21 20 59.5–2.4 6.68S 127.73E 0 4.1b,3.6 ¶610791801
ISC Event type ke.
IDC Error ellipse: s-maj=316.4km s-min=30.0km az=65.0.
ISC VI 13 22 25 09.0–.60 5.91S–.05 125.15E–.06 35 4.0b 54 3-96
IDC VI 13 22 25 05.3–1.6 5.79S 125.13E 0 4.4L,4.1 ¶610791803
DJA VI 13 22 25 06.6–1.9 6S–2.0 125E–3.0 14–15 4.9b,4.8b
NEIC VI 13 22 25 09.9–2.3 5.89S–.05 125.15E–.05 35–10 4.1b,4.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VI 14 02 54 08.7–2.0 7.12S 128.76E 0 4.0b,3.7L ¶610791820
IDC Error ellipse: s-maj=117.3km s-min=31.6km az=66.0.
ISC VI 14 04 12 23.8–.50 4.13S–.05 129.54E–.05 150 3.9b 68 1-149
DJA VI 14 04 12 23.7–.30 4S–2.0 130E–2.0 142–4 5.7b,5.3 ¶610791824
NEIC VI 14 04 12 24.0–1.3 4.2S–.10 129.5E–.10 139–10 4.4b,5.3
IDC VI 14 04 12 25.4–3.0 4.11S 129.70E 158–28 4.2,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.6km s-min=16.6km az=93.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=45.3km s-min=13.9km az=76.0.
IDC VI 14 04 17 23.7–2.3 6.51S 129.56E 0 3.9L,3.6 ¶610791825
IDC Error ellipse: s-maj=107.8km s-min=33.6km az=68.0.
IDC VI 14 13 53 03.9–4.4 6.30S 128.78E 394–53 3.9,3.1b ¶610791871
IDC Error ellipse: s-maj=98.2km s-min=15.8km az=70.0.
ISC VI 14 17 48 13.9–.27 7.48S–.04 127.87E–.04 142 4.6b 237 3-152
IDC VI 14 17 48 13.6–2.5 7.47S 127.90E 140–23 4.6,4.5s ¶610673131
NEIC VI 14 17 48 15.3–1.8 7.48S–.07 127.90E–.06 154–5 4.6b,4.5s
DJA VI 14 17 48 15.9–.20 8S–2.0 128E–2.0 142–5 5.1,5.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 15 09 46 14.3–.87 5.94S–.07 129.25E–.09 250 24 2-67
DJA VI 15 09 46 13.2–.60 6S–4.0 129E–5.0 289–12 5.3b,4.7 ¶610791935

IDC VI 15 09 46 16.6–2.9 6.06S 128.94E 269–26 4.4,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=82.5km s-min=13.1km az=69.0.
ISC VI 15 18 16 54.2–1.6 6.6S–.10 129.8E–.20 150 14 2-68
IDC VI 15 18 16 37.0–2.0 5.86S 130.53E 0 4.0b,3.9L **¶610791956**
ISC Event type ke.
IDC Error ellipse: s-maj=97.8km s-min=30.0km az=70.0.
DJA VI 15 19 24 13.2–.30 5S–3.0 130E–3.0 219–5 4.7b,4.4b
¶615348199
ISC VI 15 22 51 25.1–1.0 7.61S–.07 128.65E–.07 150 20 3-27
NEIC VI 15 22 51 25.4–2.1 7.55S–.06 128.62E–.06 138–22 4.1b **¶610791969**
IDC VI 15 22 51 34.5–12 8.19S 129.30E 153–95 3.9,3.7s
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=8.1km az=49.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=117.2km s-min=88.1km az=78.0.
ISC VI 16 15 13 35.8–.94 7.10S–.08 129.6E–.10 200 13 2-68
IDC VI 16 15 13 18.8–2.0 6.70S 128.97E 0 3.8L,3.6 **¶610792009**
ISC Event type ke.
IDC Error ellipse: s-maj=99.5km s-min=28.7km az=64.0.
ISC VI 16 15 40 37.1–.79 6.38S–.09 129.91E–.08 146 3.5b 32 2-84
IDC VI 16 15 40 35.6–12 6.15S 130.05E 134–122 3.9L,3.8 **¶610792010**
NEIC VI 16 15 40 42.1–2.2 6.8S–.10 129.86E–.10 162–13 4.1b,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 16 15 52 21.0–.69 4.54S–.05 124.01E–.05 30 3.8b,3.1s 33 3-73
IDC VI 16 15 52 17.2–.95 4.60S 124.05E 0 3.9,3.8b **¶610792011**
DJA VI 16 15 52 21.1–.30 5S–2.0 124E–2.0 88–27 4.8b,4.7b
ISC Event type ke.
ISC VI 16 20 23 33.7–.70 7.90S–.05 129.46E–.06 150 4.4b 30 2-69
NEIC VI 16 20 23 35.1–1.8 7.91S–.06 129.46E–.08 154–13 4.5b **¶610792023**
IDC VI 16 20 23 41.0–7.5 8.45S 129.42E 120–81 4.0L,3.7
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=7.5km az=118.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=90.4km s-min=25.9km az=43.0.
IDC VI 17 15 07 49.1–2.2 6.32S 129.45E 0 3.9b,3.7
¶610792065
IDC Error ellipse: s-maj=151.6km s-min=30.3km az=68.0.
ISC VI 17 17 09 15.6–.71 7.10S–.06 129.08E–.08 100 4.0b 26 2-82
IDC VI 17 17 09 05.4–2.0 6.84S 128.97E 0 3.8b,3.7L **¶610792072**
NEIC VI 17 17 09 17.8–2.2 6.98S–.07 129.03E–.08 115–10 4.0b,3.7L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 18 05 49 42.1–.79 6.39S–.07 130.24E–.09 100 19 4-68
IDC VI 18 05 49 41.8–2.5 6.46S 130.29E 108–27 4.2,3.6b **¶610792098**
ISC Event type ke.
IDC Error ellipse: s-maj=42.5km s-min=23.1km az=91.0.
ISC VI 18 09 46 15.9–.64 5.98S–.05 129.86E–.07 146 4.3b 45 1-84
IDC VI 18 09 46 02.4–1.8 6.20S 128.15E 0 4.3L,4.0 **¶610792115**
NEIC VI 18 09 46 16.6–2.4 5.93S–.09 129.8E–.20 191–14 4.3b,4.0
DJA VI 18 09 46 18.9–.40 6S–2.0 130E–4.0 153–9 5.4b,4.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 18 16 11 04.8–.69 6.67S–.06 130.02E–.08 150 4.0b 26 2-83
NEIC VI 18 16 11 06.9–1.9 6.50S–.07 129.85E–.08 173–9 4.1b **¶610792130**
IDC VI 18 16 11 07.0–2.0 6.41S 129.62E 194–61 4.1,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=9.4km az=75.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=60.6km s-min=19.4km az=129.0.
ISC VI 18 18 41 48.4–.84 6.75S–.06 129.94E–.07 200 25 2-68
IDC VI 18 18 41 48.5–2.2 6.72S 129.89E 155–25 3.7,3.7b **¶610792140**
DJA VI 18 18 41 49.3–.30 7S–3.0 130E–4.0 186–11 5.3b,4.7
ISC Event type ke.
ISC VI 18 18 52 18.5–1.1 7.59S–.08 123.73E–.10 200 9 2-23
DJA VI 18 18 52 18.7–.70 8S–7.0 124E–4.0 207–15 3.9,3.8 **¶615348266**
ISC Event type ke.
IDC VI 18 22 54 58.2–2.1 7.67S 126.09E 0 3.5,3.5L
¶610792151
IDC Error ellipse: s-maj=43.4km s-min=31.0km az=88.0.
ISC VI 20 04 24 46.1–.84 4.92S–.06 130.14E–.07 28 14 0-69
IDC VI 20 04 24 43.2–1.3 4.93S 130.10E 0 4.3b,4.1 **¶610789137**
DJA VI 20 04 24 45.6–.40 5S–4.0 130E–4.0 10 4.1b,3.9
ISC Event type ke.
IDC VI 20 05 09 55.4–2.1 6.75S 128.16E 0 3.6,3.6L
¶610789141
IDC Error ellipse: s-maj=51.6km s-min=32.5km az=73.0.
ISC VI 20 11 41 23.8–.30 6.13S–.03 130.54E–.04 148–2 5.0b 605 2-151
BJI VI 20 11 41 18.5–.00 6.43S 130.90E 142 5.1b,4.9b **¶616640018**
MOS VI 20 11 41 21.6–.79 6.17S 130.53E 143 5.0b,4.9b
DJA VI 20 11 41 23.7–.20 6S–2.0 131E–2.0 155–3 5.4,5.4b
IDC VI 20 11 41 23.8–.64 6.10S 130.55E 143–6 4.9,4.4b
NEIC VI 20 11 41 23.8–1.8 6.08S–.05 130.53E–.07 135–4 5.0b,4.4b
GCMT VI 20 11 41 24.8–.40 6.10S–.03 130.70E–.03 172–6 4.9W,4.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s14,c15; s75,c97;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}1.30±.17 $M_{\theta\theta}$-0.99±.20; $M_{\phi\phi}$-0.30±.23; $M_{r\theta}$0.64±.11; $M_{r\phi}$1.23±.20; $M_{\theta\phi}$2.19±.14; Best double couple: NP1:ϕ_s349.00000°,δ74.00000°,λ124.00000°. NP2:ϕ_s102.00000°,δ37.00000°,λ28.00000°. Principal axes: T 3.1960,Plg50.0000° ,Azm296.0000°; N -0.9310,Plg32.0000°,Azm158.0000°; P -2.2610,Plg21.0000° ,Azm54.0000° $M_0$2.72800×10^{16}
IDC VI 20 20 00 02.6–2.4 7.59S 129.20E 0 3.3b,3.1
¶610789177
IDC Error ellipse: s-maj=141.8km s-min=34.4km az=67.0.
ISC VI 20 20 43 40.5–.29 7.69S–.04 127.55E–.04 162 4.6b 214 4-152
NEIC VI 20 20 43 41.7–1.9 7.65S–.05 127.54E–.05 174–4 4.6b **¶610686639**
DJA VI 20 20 43 42.4–.20 8S–2.0 127E–2.0 175–4 5.0b,4.9
IDC VI 20 20 43 42.0–1.2 7.65S 127.45E 169–11 4.6,4.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=7.0km az=213.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=12.7km s-min=8.4km az=83.0.
IDC VI 21 02 41 50.4–5.3 6.81S 129.48E 114–68 3.5,3.1b
¶610789187
IDC Error ellipse: s-maj=102.2km s-min=20.8km az=85.0.
IDC VI 21 12 58 11.2–7.5 5.85S 128.52E 139–91 3.5,3.0b
¶610789211
IDC Error ellipse: s-maj=135.3km s-min=24.1km az=81.0.
IDC VI 21 18 46 00.1–2.3 6.73S 129.23E 0 3.3b,3.3L
¶610789226
IDC Error ellipse: s-maj=119.8km s-min=33.4km az=68.0.
ISC VI 22 20 01 47.7–.41 6.51S–.05 130.09E–.05 146 4.3b 113 2-78
IDC VI 22 20 01 48.0–1.6 6.51S 130.05E 152–15 4.1,3.6b **¶610693791**
DJA VI 22 20 01 49.7–.20 7S–3.0 130E–3.0 152–7 5.0b,4.7b
NEIC VI 22 20 01 49.3–1.6 6.48S–.04 130.09E–.07 159–8 4.4b,4.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 22 21 40 18.8–1.1 6.16S–.10 130.7E–.20 10 6 5-68
IDC VI 22 21 40 17.4–1.6 6.15S 130.55E 0 4.1,3.9L **¶610789296**
ISC Event type ke.
IDC Error ellipse: s-maj=49.0km s-min=24.6km az=90.0.
ISC VI 22 23 08 09.7–.43 7.00S–.05 126.90E–.07 407 4.2b 115 4-128
IDC VI 22 23 08 09.3–1.2 7.01S 126.81E 400–14 4.4,3.7b **¶610693786**
DJA VI 22 23 08 09.3–.20 7S–3.0 127E–3.0 393–4 4.8,4.7b
NEIC VI 22 23 08 09–.88 6.89S–.08 126.87E–.08 390–9 4.3b,4.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 23 00 15 32.6–.56 4.54S–.04 129.34E–.06 25–3 4.9b,3.5s 373 1-157
DJA VI 23 00 15 18.3–.90 3S–5.0 129E–4.0 27–11 5.1b,4.5 **¶615350410**
BJI VI 23 00 15 30.0–.00 4.50S 129.40E 20 4.9b,4.8b
NEIC VI 23 00 15 33.8–1.3 4.48S–.05 129.37E–.06 34–3 4.9b,4.8b
IDC VI 23 00 15 35.7–2.0 4.46S 129.24E 44–18 4.8L,4.7
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.0km s-min=7.9km az=92.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=17.5km s-min=10.6km az=77.0.
ISC VI 23 08 55 49.4–1.2 5.70S–.08 129.9E–.20 150 14 4-67
IDC VI 23 08 55 48.6–6.4 5.89S 129.78E 90–82 4.0L,3.8 **¶610789330**
ISC Event type ke.
IDC Error ellipse: s-maj=146.5km s-min=25.3km az=81.0.
ISC VI 23 15 18 35.0–.00 6.85S–.07 129.4E–.10 139 13 2-68
IDC VI 23 15 18 33.9–6.2 6.91S 129.43E 124–78 3.5,3.1b **¶610789345**
ISC Event type ke.
IDC Error ellipse: s-maj=122.7km s-min=21.3km az=85.0.
IDC VI 24 04 41 59.4–2.3 6.79S 129.22E 0 4.1L,3.8
¶610789374
IDC Error ellipse: s-maj=114.5km s-min=33.0km az=68.0.
ISC VI 24 21 54 33.4–.39 7.17S–.05 125.35E–.07 511 4.0b 106 3-95
DJA VI 24 21 54 32.3–.40 7S–4.0 125E–3.0 488–6 4.8b,4.7b **¶610694567**
NEIC VI 24 21 54 33.0–1.8 7.09S–.09 125.4E–.10 493–9 4.3b,4.7b
IDC VI 24 21 54 32.9–1.0 7.08S 125.41E 497–13 4.4,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.0km s-min=12.9km az=74.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=19.9km s-min=9.3km az=66.0.
ISC VI 25 08 53 51.1–.93 6.93S–.07 130.6E–.10 35 9 6-68
IDC VI 25 08 53 53.2–2.7 6.88S 130.52E 58–29 4.1,4.0L **¶610789434**
ISC Event type ke.
IDC Error ellipse: s-maj=40.7km s-min=21.0km az=77.0.
IDC VI 25 12 24 55.5–7.8 7.85S 128.01E 112–94 3.5,3.5L
¶610789445
IDC Error ellipse: s-maj=72.1km s-min=27.6km az=32.0.
IDC VI 25 21 43 35.5–2.3 6.61S 128.83E 0 3.9b,3.7
¶610789467
IDC Error ellipse: s-maj=276.8km s-min=29.4km az=68.0.
ISC VI 25 23 23 17.2–.95 7.28S–.09 128.80E–.07 200 20 3-25
DJA VI 25 23 23 15.3–.40 7S–3.0 129E–3.0 214–9 5.0b,4.5 **¶612490128**
ISC Event type ke.
ISC VI 26 02 41 11.1–.99 5.19S–.06 130.08E–.08 200 12 2-67
IDC VI 26 02 41 01.2–8.9 5.49S 128.50E 65–105 3.8,3.8L **¶610789476**
DJA VI 26 02 41 11.9–.60 5S–5.0 130E–5.0 207–9 5.4b,4.8
ISC Event type ke.
IDC VI 26 06 10 26.1–2.6 5.55S 129.89E 378–77 4.0,3.1b
¶610789486
IDC Error ellipse: s-maj=91.8km s-min=56.6km az=103.0.
ISC VI 26 19 08 21.5–1.0 4.26S–.08 129.66E–.05 100 15 1-66
IDC VI 26 19 08 11.0–1.5 4.40S 128.70E 0 4.0,4.0L **¶610789527**
DJA VI 26 19 08 24.5–.60 4S–4.0 130E–2.0 113–7 4.9b,4.1
ISC Event type ke.
IDC VI 27 05 05 15.2–1.9 6.44S 129.17E 0 3.4,3.4L
¶610789542
IDC Error ellipse: s-maj=67.5km s-min=29.7km az=81.0.
IDC VI 27 06 56 01.1–6.3 8.00S 127.09E 119–63 3.7,3.3b
¶610789555
IDC Error ellipse: s-maj=58.3km s-min=19.2km az=40.0.
IDC VI 27 08 09 36.7–2.4 6.64S 130.12E 0 4.0L,3.8
¶610789559
IDC Error ellipse: s-maj=148.0km s-min=32.1km az=69.0.
IDC VI 27 16 25 00.2–2.3 6.66S 130.55E 0 3.8b,3.3
¶610789581
IDC Error ellipse: s-maj=130.2km s-min=31.7km az=70.0.
ISC VI 27 17 57 59.0–.42 7.48S–.05 125.86E–.05 400 3.7b 89 3-125
IDC VI 27 17 57 59.8–1.2 7.45S 125.85E 411–16 4.1,3.2b **¶610789586**
NEIC VI 27 17 57 59.8–2.1 7.48S–.08 125.84E–.07 407–9 4.3b,3.2b
DJA VI 27 17 58 00.7–.40 8S–4.0 126E–3.0 391–7 4.6,4.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VI 27 18 15 18.6–2.6 4.78S 131.55E 176–62 3.6,3.0b
¶610789589
IDC Error ellipse: s-maj=262.4km s-min=17.9km az=78.0.
IDC VI 27 21 18 20.1–2.2 6.48S 129.05E 0 3.7s,3.6b
¶610789598
IDC Error ellipse: s-maj=155.2km s-min=32.2km az=68.0.
ISC VI 28 02 54 49.4–.81 4.92S–.08 129.92E–.09 150 3.8b 21 0-71
IDC VI 28 02 54 32.6–2.3 4.69S 129.42E 0 3.8b,3.6 **¶610789612**
DJA VI 28 02 54 50.8–.40 5S–5.0 130E–3.0 162–7 5.7b,5.3
ISC Event type ke.
IDC VI 28 08 24 32.2–4.5 6.20S 128.58E 371–54 4.0,2.9b
¶610789624
IDC Error ellipse: s-maj=116.5km s-min=16.7km az=70.0.
IDC VI 28 11 13 10.8–2.4 6.57S 129.81E 0 3.6b,3.3
¶610789638
IDC Error ellipse: s-maj=142.6km s-min=32.9km az=69.0.
ISC VI 29 01 45 19.1–.66 5.89S–.06 130.17E–.07 200 3.6b 28 1-74
IDC VI 29 01 45 19.8–1.7 5.84S 130.11E 199–19 4.0,3.3b **¶610789687**
DJA VI 29 01 45 20.6–.30 6S–5.0 130E–5.0 201–9 5.1b,4.5
ISC Event type ke.
ISC VI 29 12 06 32.9–1.6 7.1S–.10 129.9E–.20 200 10 6-68
IDC VI 29 12 06 15.1–1.8 7.33S 127.43E 0 4.4b,3.9 **¶610789720**
ISC Event type ke.
IDC Error ellipse: s-maj=137.5km s-min=30.2km az=64.0.
ISC VI 29 20 46 31.3–1.0 4.13S–.09 128.6E–.10 35 9 1-69
IDC VI 29 20 46 26.0–2.3 4.05S 128.63E 0 3.5,3.4b **¶610789739**
DJA VI 29 20 46 29.4–.80 4S–5.0 129E–4.0 10 3.4,3.4
ISC Event type ke.
IDC VI 30 07 07 39.5–1.6 7.36S 128.21E 0 3.6,3.6b
¶610789764
IDC Error ellipse: s-maj=62.0km s-min=29.4km az=75.0.
IDC VI 30 11 19 02.9–2.0 7.01S 128.99E 0 3.9b,3.6L
¶610789783
IDC Error ellipse: s-maj=142.8km s-min=30.9km az=67.0.
ISC VI 30 21 36 47.0–.38 7.28S–.05 128.06E–.05 10 4.7b,3.0s 109 3-146
IDC VI 30 21 36 45.0–.52 7.36S 127.99E 0 4.5,4.5b **¶610728834**
NEIC VI 30 21 36 47.4–2.4 7.24S–.07 128.14E–.07 10–1 4.6b,4.5b
DJA VI 30 21 36 49.7–.30 7S–3.0 128E–2.0 10 5.2b,4.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(281) Tanimbar Islands region.

IDC I 01 18 56 34.2–2.1 8.37S 130.11E 0 3.3b,3.1
¶610236407
IDC Error ellipse: s-maj=94.4km s-min=32.8km az=68.0.
ISC I 03 11 53 32.0–.88 7.19S–.06 130.1E–.10 104 10 6-73
IDC I 03 11 53 34.3–2.4 7.10S 130.05E 124–25 3.7,3.3b **¶610236558**
ISC Event type ke.

IDC Error ellipse: s-maj=39.9km s-min=22.9km az=90.0.
IDC I 06 06 07 49.0–2.3 6.39S 132.48E 235–40 3.9,3.4b ¶610236814
IDC Error ellipse: s-maj=316.4km s-min=15.3km az=77.0.
ISC I 11 21 44 35.7–.97 6.52S–.06 132.4E–.10 35 10 6-69
IDC I 11 21 44 33.4–1.7 6.55S 132.32E 0 4.0,3.9L **¶610237203**
ISC Event type ke.
IDC Error ellipse: s-maj=36.4km s-min=24.8km az=72.0.
ISC I 16 15 06 42.1–.53 7.81S–.04 130.07E–.04 57–4 5.2b,4.1s 615 1-151
BJI I 16 15 06 33.5–.00 7.95S 130.25E 26 5.2b,4.9b **¶610097490**
NEIC I 16 15 06 36.7–1.4 7.64S–.07 129.99E–.06 10–1 5.3b,4.9b
MOS I 16 15 06 37.0–.90 7.64S 129.98E 28 5.6b,4.9b
KLM I 16 15 06 42 7.50S 130.31E 53 5.6b,4.9b
DJA I 16 15 06 42.6–.20 8S–2.0 130E–1.0 74–3 6.0,5.7b
IDC I 16 15 06 42.3–1.2 7.66S 129.98E 57–10 5.0,4.7b
GCMT I 16 15 06 44.7–.10 7.79S–.01 130.14E–.01 63–1 5.2W,4.7b
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s113.74191°,δ68.97849°,λ37.94807°. NP2: ϕ_s8.11355°,δ54.96899°,λ154.01852°. Principal axes: T Plg41.2652°,Azm335.8550° ; N Plg47.3991°,Azm138.4442°; P Plg8.7568°,Azm238.0872°
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s79,c103; s109,c183;Duration: 1s0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.93±.17 $M_{\theta\theta}$1.53±.16; $M_{\phi\phi}$-3.46±.18; $M_{r\theta}$2.41±.12; $M_{\theta\phi}$7.53±.13; $M_{\phi r}$1.49±.15; Best double couple: NP1:ϕ_s102.00000°,δ74.00000°,λ18.00000°. NP2:ϕ_s7.00000°,δ72.00000°,λ163.00000°. Principal axes: T 8.2350,Plg24.0000° ,Azm324.0000°; N 0.6670,Plg66.0000°,Azm141.0000°; P -8.9020,Plg1.0000°,Azm234.0000° $M_0$8.56800×10^{16}
IDC I 22 15 23 42.2–3.1 6.25S 132.38E 0 3.2,3.2b ¶610235117
IDC Error ellipse: s-maj=210.3km s-min=29.0km az=79.0.
ISC I 23 11 07 19.5–.76 6.09S–.06 131.9E–.20 50 3.9b 29 2-84
IDC I 23 11 07 19.4–3.6 6.02S 132.67E 75–41 4.0,4.0L **¶610235186**
NEIC I 23 11 07 20.2–.77 6.09S–.06 131.8E–.30 54–11 4.1b,4.0L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 24 00 52 43.0–.34 7.37S–.04 130.54E–.06 50 4.6b,3.2s 122 1-146
IDC I 24 00 52 35.7–.58 7.43S 130.54E 0 4.5b,4.5L **¶610105947**
DJA I 24 00 52 41.9–.20 8S–2.0 131E–3.0 90–5 5.1b,4.8
NEIC I 24 00 52 44.4–1.8 7.35S–.06 130.47E–.07 58–7 4.6b,4.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC I 24 16 11 33.1–1.9 6.66S 131.12E 0 3.4,3.4b ¶610235271
IDC Error ellipse: s-maj=96.4km s-min=28.3km az=79.0.
ISC I 27 11 17 47.3–.80 7.13S–.05 130.21E–.07 150 25 1-68
IDC I 27 11 17 47.2–2.4 7.15S 130.25E 110–26 4.2,3.9b **¶610235478**
DJA I 27 11 17 47.2–.40 7S–3.0 130E–5.0 172–8 5.1b,4.6
ISC Event type ke.
IDC II 05 02 30 05.2–4.0 6.13S 131.52E 184–85 3.4,3.0b ¶610414858
IDC Error ellipse: s-maj=324.2km s-min=23.3km az=78.0.
ISC II 10 08 16 50.2–.81 8.23S–.06 131.3E–.10 35 3.6b 18 0-74
IDC II 10 08 16 46.4–1.4 8.18S 131.34E 0 3.8,3.8b **¶610415221**
ISC Event type ke.
IDC Error ellipse: s-maj=107.0km s-min=21.8km az=72.0.
IDC II 10 21 53 21.6–2.4 8.42S 130.78E 0 3.4s,3.1 ¶610415261
IDC Error ellipse: s-maj=123.0km s-min=33.8km az=70.0.
IDC II 10 23 20 37.4–3.6 6.30S 131.23E 139–50 3.4,3.0b ¶610415266
IDC Error ellipse: s-maj=132.5km s-min=18.7km az=78.0.
IDC II 13 04 11 16.8–2.1 8.02S 130.66E 0 4.1b,3.9 ¶610415422
IDC Error ellipse: s-maj=126.3km s-min=30.8km az=70.0.
ISC II 13 08 51 37.4–.78 7.02S–.06 130.10E–.08 100 17 5-68
IDC II 13 08 51 37.9–2.5 6.95S 130.13E 101–26 4.0,3.6b **¶610415439**
ISC Event type ke.
IDC Error ellipse: s-maj=37.8km s-min=19.4km az=77.0.
IDC II 14 14 23 08.4–1.9 6.73S 131.57E 0 3.8,3.7b ¶610415508
IDC Error ellipse: s-maj=57.1km s-min=24.2km az=88.0.
ISC II 17 21 27 31.2–1.1 7.45S–.07 130.3E–.30 200 8 7-73
IDC II 17 21 27 31.8–5.0 7.32S 129.79E 193–66 3.7,3.2b **¶610415725**
ISC Event type ke.
IDC Error ellipse: s-maj=124.5km s-min=18.4km az=82.0.
ISC II 21 05 03 32.0–.84 7.01S–.07 130.28E–.09 100 16 1-68
IDC II 21 05 03 32.4–2.6 7.01S 130.29E 86–28 4.2,3.5b **¶610384726**
ISC Event type ke.
IDC Error ellipse: s-maj=35.0km s-min=20.0km az=69.0.
ISC II 25 01 11 37.8–.27 7.32S–.04 130.62E–.05 50 4.7b,3.4s 280 1-150
BJI II 25 01 11 35.0–.00 7.40S 130.70E 52 5.2b,4.9s **¶610240980**
IDC II 25 01 11 37.7–4.2 7.31S 130.56E 44–38 4.6,4.3b
NEIC II 25 01 11 37.9–2.0 7.26S–.06 130.42E–.08 37–3 4.8b,4.3b
DJA II 25 01 11 39.7–.20 7S–2.0 131E–2.0 80–3 5.5b,5.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 27 18 37 43.9–1.5 7.6S–.20 130.4E–.40 10 9 1-69
IDC II 27 18 37 41.5–2.5 7.35S 130.46E 0 3.9L,3.6 **¶610385146**
ISC Event type ke.
IDC Error ellipse: s-maj=130.3km s-min=33.6km az=70.0.
IDC III 07 03 53 24.8–2.5 7.75S 131.21E 0 3.8L,3.5 ¶610545694
IDC Error ellipse: s-maj=129.9km s-min=34.2km az=71.0.
ISC III 08 21 37 33.8–.41 6.10S–.04 131.35E–.06 61 4.3b 107 2-151
IDC III 08 21 37 26.4–.71 6.14S 131.24E 0 4.6L,4.2 **¶610305002**
NEIC III 08 21 37 35.1–1.6 6.09S–.05 131.31E–.10 68–8 4.4b,4.2
DJA III 08 21 37 35.1–.30 6S–3.0 131E–3.0 95–13 5.4b,4.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC III 13 17 25 33.5–3.7 7.09S 131.02E 113–54 3.5,2.9b ¶610546157
IDC Error ellipse: s-maj=123.0km s-min=19.3km az=82.0.
ISC III 18 10 21 28.6–1.2 8.0S–.10 130.08E–.08 10 10 1-69
IDC III 18 10 21 26.2–2.2 7.70S 130.11E 0 3.6b,3.6L **¶610546444**
ISC Event type ke.
IDC Error ellipse: s-maj=134.0km s-min=31.9km az=69.0.
IDC III 22 20 27 49.7–2.9 6.70S 131.97E 0 3.7L,3.6 ¶610543491
IDC Error ellipse: s-maj=205.0km s-min=30.9km az=75.0.
ISC III 24 10 45 21.4–.72 6.04S–.06 131.02E–.09 86 28 2-68
IDC III 24 10 45 10.4–1.9 5.94S 130.76E 0 4.2L,4.0 **¶610543589**
DJA III 24 10 45 22.0–.30 6S–3.0 131E–4.0 120–9 5.3b,4.7
ISC Event type ke.
ISC III 27 17 08 00.5–1.1 7.13S–.08 130.3E–.10 100 16 1-68
IDC III 27 17 07 44.8–2.4 6.34S 130.49E 0 3.7b,3.6 **¶610543808**
ISC Event type ke.
IDC Error ellipse: s-maj=142.9km s-min=31.7km az=70.0.
ISC III 29 10 38 31.9–.89 6.19S–.07 131.5E–.10 100 19 2-68
IDC III 29 10 38 23.2–2.5 6.24S 130.84E 0 4.2L,3.8 **¶610543923**
ISC Event type ke.
IDC Error ellipse: s-maj=145.0km s-min=31.9km az=71.0.
ISC IV 04 21 02 58.9–1.5 7.4S–.10 130.7E–.20 150 10 1-69
IDC IV 04 21 02 57.9–16 7.32S 130.76E 138–187 3.4,3.3L **¶610651948**
ISC Event type ke.
IDC Error ellipse: s-maj=104.6km s-min=81.2km az=91.0.
ISC IV 06 23 25 59.5–.79 6.61S–.05 132.19E–.10 10 48 2-69
IDC IV 06 23 25 57.6–2.9 6.75S 132.06E 0 4.5L,4.2 **¶610523702**
NEIC IV 06 23 26 01.2–2.2 6.62S–.04 132.4E–.10 35–2 4.0b,4.2
DJA IV 06 23 26 03.4–.30 7S–2.0 132E–3.0 102–8 5.2b,4.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IV 07 14 34 23.6–2.4 8.36S 131.26E 0 3.3,3.3b ¶610652161
IDC Error ellipse: s-maj=108.6km s-min=30.5km az=72.0.
ISC IV 11 05 09 19.1–.68 6.16S–.05 131.80E–.07 100 3.7b 31 2-73
IDC IV 11 05 09 08.8–2.0 6.11S 131.99E 0 4.1L,3.8 **¶610652428**
DJA IV 11 05 09 17.9–.30 6S–2.0 132E–3.0 118–8 7.3,7.0
ISC Event type ke.
IDC IV 11 14 59 02.5–2.2 7.76S 130.88E 0 3.5,3.5b ¶610652471
IDC Error ellipse: s-maj=97.8km s-min=26.8km az=71.0.
ISC IV 14 18 58 12.9–.60 7.90S–.05 130.47E–.05 100 3.7b 51 1-69
NEIC IV 14 18 58 12.8–2.4 7.88S–.06 130.51E–.07 94–8 4.1b **¶610528508**
IDC IV 14 18 58 13.3–2.4 8.52S 130.40E 0 3.8s,3.6L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=8.7km az=61.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=88.4km s-min=24.7km az=60.0.
IDC IV 14 20 42 39.8–3.6 7.72S 132.47E 0 3.5b,3.1 ¶610652756
IDC Error ellipse: s-maj=211.0km s-min=34.7km az=74.0.
IDC IV 16 20 25 49.8–11 7.27S 130.61E 482–183 3.2,2.3b ¶610652886
IDC Error ellipse: s-maj=98.2km s-min=91.3km az=72.0.
ISC IV 17 17 10 13.7–.81 7.04S–.07 130.3E–.10 100 3.6b 13 1-129
IDC IV 17 17 10 10.9–7.3 7.09S 130.28E 72–74 3.7,3.7L **¶610652933**
DJA IV 17 17 10 13.8–.30 7S–3.0 130E–4.0 137–6 5.1b,4.5
ISC Event type ke.
IDC IV 19 02 44 18.6–2.5 7.82S 130.70E 0 3.4b,3.1 ¶610653022
IDC Error ellipse: s-maj=128.4km s-min=34.0km az=70.0.
IDC IV 19 02 52 41.6–4.9 6.40S 131.97E 0 3.4L,3.3b ¶610653024
IDC Error ellipse: s-maj=330.5km s-min=33.9km az=74.0.
IDC V 02 17 36 03.8–2.3 7.95S 130.67E 0 3.3,3.2b ¶610689409
IDC Error ellipse: s-maj=110.0km s-min=27.4km az=71.0.
ISC V 06 09 06 05.3–.87 6.15S–.06 131.8E–.20 100 13 3-69
IDC V 06 09 06 06.0–3.3 6.06S 132.16E 101–64 3.6,3.5L **¶610689655**
ISC Event type ke.
IDC Error ellipse: s-maj=316.3km s-min=25.0km az=78.0.
IDC V 06 11 08 40.7–1.6 8.25S 130.35E 0 4.1b,3.7 ¶610689659
IDC Error ellipse: s-maj=72.3km s-min=19.8km az=75.0.
IDC V 14 13 36 28.8–2.3 7.62S 130.71E 0 3.5b,3.3 ¶610690277
IDC Error ellipse: s-maj=124.7km s-min=32.8km az=70.0.
IDC V 16 07 40 44.2–2.4 8.95S 130.05E 0 3.5b,3.2 ¶610690397
IDC Error ellipse: s-maj=141.6km s-min=33.6km az=67.0.
IDC V 29 14 46 04.9–2.3 7.57S 130.38E 0 3.6,3.5b ¶610685618
IDC Error ellipse: s-maj=97.3km s-min=27.7km az=70.0.
IDC VI 02 10 14 41.4–2.4 7.02S 130.87E 0 3.8b,3.6 ¶610791094
IDC Error ellipse: s-maj=104.9km s-min=27.2km az=72.0.
IDC VI 09 00 00 08.0–2.6 6.63S 131.04E 0 3.7L,3.6 ¶610791493
IDC Error ellipse: s-maj=136.8km s-min=33.7km az=71.0.
ISC VI 09 23 51 28.3–1.1 7.06S–.08 130.3E–.20 150 11 5-73
IDC VI 09 23 51 15.8–2.0 7.05S 128.89E 0 4.1L,3.8 **¶610791563**
ISC Event type ke.
IDC Error ellipse: s-maj=202.3km s-min=30.1km az=67.0.
ISC VI 17 08 01 29.9–.85 6.60S–.07 131.55E–.09 100 3.7b 22 1-73
IDC VI 17 08 01 33.3–9.6 6.74S 131.42E 116–98 4.6L,4.1 **¶610792050**
ISC Event type ke.
IDC Error ellipse: s-maj=82.3km s-min=30.2km az=37.0.
IDC VI 17 16 38 19.3–2.1 6.56S 131.83E 0 3.8L,3.7 ¶610792068
IDC Error ellipse: s-maj=59.7km s-min=29.0km az=76.0.
ISC VI 22 16 10 49.8–.82 7.34S–.06 130.69E–.08 100 23 1-69
IDC VI 22 16 10 45.5–1.6 7.36S 130.83E 0 3.9L,3.6 **¶610789284**
DJA VI 22 16 10 52.2–.30 7S–3.0 131E–4.0 108–8 5.1b,4.9
ISC Event type ke.
IDC VI 26 19 02 01.8–2.8 7.05S 132.28E 0 3.3,3.3L ¶610789526
IDC Error ellipse: s-maj=192.1km s-min=28.3km az=79.0.

(282) South of Jawa.

ISC I 03 03 19 19.3–1.3 8.19S–.08 106.82E–.05 51–10 4.5b,3.6s 101 1-146
NEIC I 03 03 19 19.6–1.9 8.21S–.08 106.77E–.07 48–7 4.7b,3.6s **¶609950100**
DJA I 03 03 19 19.3–.40 8S–5.0 107E–2.0 57–4 5.6b,5.1
IDC I 03 03 19 23.2–2.4 7.93S 106.97E 76–20 4.4,4.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.6km s-min=9.7km az=210.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=25.7km s-min=12.3km az=58.0.
DJA I 03 03 34 39.0–.40 8S–4.0 107E–2.0 46–18 5.5b,5.0 ¶615345169
ISC I 03 14 04 23.1–1.1 8.23S–.05 106.85E–.04 50–9 4.5b,3.6s 114 1-144
NEIC I 03 14 04 22.1–2.0 8.11S–.08 106.81E–.08 35–2 4.7b,3.6s **¶609967130**
DJA I 03 14 04 22.1–.60 8S–3.0 107E–2.0 14–4 5.1b,4.8b
IDC I 03 14 04 28.0–2.3 8.02S 106.94E 91–17 4.2,3.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.6km s-min=11.8km az=217.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=27.9km s-min=12.2km az=56.0.
ISC I 04 02 39 40.0–.48 11.65S–.06 113.34E–.06 10 4.7b 102 3-119
IDC I 04 02 39 40.2–.92 11.41S 113.42E 0 4.6,4.5b **¶609975354**
NEIC I 04 02 39 40.7–1.9 11.58S–.07 113.43E–.09 10–1 4.8b,4.5b
DJA I 04 02 39 41.3–1.3 12S–3.0 113E–3.0 34–23 5.2b,4.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC I 05 18 41 30.8–2.2 11.40S 113.39E 0 3.5,3.4b ¶610236786
IDC Error ellipse: s-maj=113.8km s-min=23.2km az=47.0.
ISC I 21 08 53 11.0–1.2 9.89S–.10 113.94E–.07 10 3.0b 14 1-63
IDC I 21 08 53 10.3–3.1 9.37S 114.12E 0 3.0,3.0b **¶610234986**
DJA I 21 08 53 15.4–.70 10S–7.0 114E–3.0 10 3.6,3.6
ISC Event type ke.
ISC I 23 06 12 13.6–.37 8.74S–.05 105.83E–.05 22 4.7b,3.4s 167 2-146
DJA I 23 06 12 11.5–.30 9S–3.0 106E–3.0 10 5.8b,5.3 **¶610105278**
IDC I 23 06 12 11.1–.58 8.65S 105.80E 0 5.5L,4.6
NEIC I 23 06 12 14.7–2.1 8.75S–.07 105.80E–.04 31–4 4.7b,4.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 23 06 39 37.8–.98 9.14S–.10 111.24E–.06 10 3.8b 29 1-71
IDC I 23 06 39 34.9–2.5 8.32S 111.74E 0 3.6,3.6b **¶610235169**
DJA I 23 06 39 37.9–.20 9S–3.0 111E–2.0 10 4.8b,4.2b
ISC Event type ke.
DJA I 23 13 41 14.4–.30 9S–4.0 111E–2.0 10 4.2b,4.0

¶615345399
ISC I 23 13 51 41.7–1.3 9.6S–.10 112.79E–.06 36 3.1b 13 1-62
IDC I 23 13 51 34.5–2.7 9.83S 112.33E 0 3.2,3.2b ¶610235200
DJA I 23 13 51 39.8–.90 10S–10 113E–3.0 10 3.7,3.7
ISC Event type ke.
ISC I 28 09 28 35.3–.86 9.65S–.07 112.96E–.05 54–6 4.7b,4.5s 112 1-141
NEIC I 28 09 28 32.9–.80 9.8S–.10 112.97E–.06 38–9 4.7b,4.5s ¶610145142
DJA I 28 09 28 35.7–.40 10S–4.0 113E–1.0 41–32 6.0b,5.6
IDC I 28 09 28 41.6–2.1 9.33S 113.09E 94–19 4.4,4.2s
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.2km s-min=7.0km az=198.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=20.3km s-min=12.3km az=22.0.
ISC I 29 11 57 28.0–.42 9.53S–.04 112.90E–.04 59–3 4.8b,4.0s 220 1-141
DJA I 29 11 57 27.7–.30 10S–3.0 113E–2.0 46–8 5.3b,5.0 ¶610147584
IDC I 29 11 57 28.2–1.7 9.31S 112.96E 52–14 4.7,4.5L
NEIC I 29 11 57 29.2–1.5 9.43S–.07 112.91E–.06 63–5 4.8b,4.5L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 29 12 07 55.2–1.7 9.6S–.10 112.89E–.05 59–14 4.1b 29 1-76
IDC I 29 12 07 48.5–1.5 9.30S 113.03E 0 4.0,3.9b ¶610235641
DJA I 29 12 07 54.8–.90 10S–5.0 113E–2.0 23–11 4.5b,4.1
ISC Event type ke.
IDC I 29 12 33 47.6–3.4 9.32S 112.92E 0 3.6,3.6b
¶610235642
IDC Error ellipse: s-maj=191.3km s-min=27.0km az=53.0.
ISC I 30 16 45 37.8–1.5 9.6S–.10 112.87E–.07 36 3.2b 12 1-62
IDC I 30 16 45 32.1–2.6 9.45S 112.89E 0 3.2,3.2b ¶610235748
DJA I 30 16 45 39.5–.90 9S–3.0 113E–3.0 15–7 5.0b,4.0
ISC Event type ke.
ISC II 03 21 55 52.8–.93 10.0S–.10 113.56E–.08 35 3.6b 11 2-63
IDC II 03 21 55 48.9–2.5 9.48S 114.08E 0 3.6,3.5b ¶610414770
ISC Event type ke.
IDC Error ellipse: s-maj=141.7km s-min=18.9km az=51.0.
ISC II 04 12 11 47.8–.54 9.10S–.06 106.08E–.06 10 4.3b,2.9s 73 1-146
IDC II 04 12 11 46.1–.81 9.09S 106.05E 0 4.2,4.2b ¶610414813
DJA II 04 12 11 50.2–1.2 9S–7.0 106E–4.0 15–15 5.7,5.5
NEIC II 04 12 11 51.4–1.4 9.01S–.09 106.07E–.08 37–4 4.2b,5.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 06 21 21 09.7–3.6 9.35S–.10 112.05E–.04 9–27 30 1-7
DJA II 06 21 21 12.3–.90 9S–3.0 112E–2.0 20–8 4.3b,4.2 ¶612488675
ISC Event type ke.
ISC II 07 08 25 25.4–.60 9.08S–.07 110.24E–.06 35 4.1b,3.0s 52 1-86
NEIC II 07 08 25 20.9–1.6 9.55S–.09 109.9E–.10 52–7 4.4b,3.0s ¶610415026
DJA II 07 08 25 24.8–.30 9S–3.0 110E–2.0 10 4.8b,4.6
IDC II 07 08 25 31.9–2.2 8.57S 110.45E 91–22 4.0,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.5km s-min=8.6km az=59.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=38.0km s-min=13.0km az=45.0.
ISC II 07 08 47 31.1–.48 9.65S–.07 107.19E–.07 22 4.4b,3.7s 75 2-152
DJA II 07 08 47 28.9–.40 10S–3.0 107E–3.0 11–3 5.8b,5.4 ¶610198742
IDC II 07 08 47 28.2–.75 9.51S 107.16E 0 4.4L,4.2
NEIC II 07 08 47 33.6–1.5 9.71S–.10 107.20E–.08 41–9 4.6b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 10 10 17 53.6–.86 9.6S–.10 112.00E–.10 40 4.0b 21 2-74
IDC II 10 10 17 49.4–2.2 9.31S 112.12E 0 3.8,3.8b ¶610415229
NEIC II 10 10 17 53.4–1.6 9.70S–.09 111.99E–.08 35–2 4.3b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DJA II 10 11 23 13.3–1.5 10S–9.0 112E–11 10 3.6,3.6
¶615345566
DJA II 12 05 41 48.8–1.3 9S–5.0 111E–2.0 34–28 5.7b,5.2
¶615345585
ISC II 12 06 42 43.4–.56 9.38S–.05 112.12E–.04 40–4 4.8b,3.7s 183 1-154
NEIC II 12 06 42 43.5–1.9 9.30S–.10 112.15E–.05 35–1 4.9b,3.7s ¶610208507
DJA II 12 06 42 43.9–.60 9S–3.0 112E–1.0 40–23 5.5b,5.0
IDC II 12 06 42 45.4–1.9 9.17S 112.23E 52–16 4.6,4.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.2km s-min=8.7km az=11.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=14.2km s-min=10.1km az=34.0.
ISC II 12 06 49 34.8–2.2 9.8S–.30 111.6E–.50 35 3.9b 7 24-67
IDC II 12 06 49 29.2–2.2 9.79S 111.49E 0 3.7,3.7b ¶610415359
ISC Event type ke.
IDC Error ellipse: s-maj=94.8km s-min=20.2km az=54.0.
ISC II 18 18 13 35.7–1.7 10.0S–.20 112.88E–.07 10 3.9b 13 2-63
DJA II 18 18 13 35.2–1.9 10S–11 113E–4.0 12–20 3.9,3.9 ¶610415772
IDC II 18 18 13 38.9–3.7 9.04S 113.30E 0 3.6,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=212.9km s-min=30.3km az=53.0.
ISC II 18 20 07 23.9–1.8 9.12S–.08 112.99E–.04 18–8 3.4b 24 1-67
IDC II 18 20 07 20.7–2.2 9.01S 113.05E 0 3.5s,3.4 ¶610415777
DJA II 18 20 07 25.7–.40 9S–4.0 113E–3.0 10 3.5,3.5
ISC Event type ke.
DJA II 20 13 55 31.2–1.0 8S–5.0 107E–3.0 10–6 5.4b,4.9
¶615345679
DJA II 26 17 08 06.2–1.6 10S–5.0 111E–2.0 30–24 3.6b,3.5
¶615345737
IDC II 27 17 30 29.5–4.0 11.16S 113.32E 0 3.1,3.0b
¶610385141
IDC Error ellipse: s-maj=188.5km s-min=28.4km az=46.0.
ISC II 28 01 01 42.0–1.2 9.29S–.07 113.30E–.04 53–10 4.3b 73 1-149
IDC II 28 01 01 34.9–.92 9.20S 113.27E 0 4.4b,4.3 ¶610385165
DJA II 28 01 01 41.2–1.0 9S–3.0 113E–2.0 21–9 4.6b,4.4
NEIC II 28 01 01 42.9–1.5 9.16S–.09 113.34E–.06 57–8 4.2b,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DJA III 08 02 15 06.8–1.7 9S–4.0 110E–3.0 14–13 5.4b,4.9
¶615345826
ISC III 15 02 34 02.3–.96 9.25S–.06 110.06E–.05 62–9 4.2b 97 1-143
IDC III 15 02 34 02.4–8.7 8.96S 110.11E 54–76 4.2,3.9b ¶610546229
NEIC III 15 02 34 02.2–1.9 9.23S–.07 110.00E–.04 56–6 4.2b,3.9b
DJA III 15 02 34 02.9–.30 9S–3.0 110E–2.0 46–9 5.5b,5.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC III 15 06 05 32.4–4.0 9.75S 112.42E 0 3.4,3.4b
¶610546237
IDC Error ellipse: s-maj=210.3km s-min=30.5km az=53.0.
ISC III 16 02 35 58.8–1.2 9.6S–.10 112.84E–.06 35 3.7b 14 1-62
IDC III 16 02 35 52.6–2.7 9.76S 112.52E 0 3.6,3.6b ¶610546286
DJA III 16 02 35 58.5–.70 9S–5.0 113E–3.0 10 3.3,3.3
ISC Event type ke.
ISC III 18 13 11 22.1–2.1 10.73S–.08 113.53E–.05 1–12 3.4b 28 2-64
IDC III 18 13 11 19.5–2.7 11.02S 112.80E 0 3.4,3.4b ¶610546454
DJA III 18 13 11 30.3–.60 11S–4.0 114E–3.0 10 4.0,4.0
ISC Event type ke.
IDC III 18 18 29 51.0–2.6 10.56S 113.45E 0 3.2,3.1b
¶610546466
IDC Error ellipse: s-maj=131.9km s-min=23.8km az=46.0.
ISC III 28 11 38 42.0–.93 9.31S–.08 107.91E–.08 28 3.7b 26 2-144
IDC III 28 11 38 38.5–2.4 9.27S 108.05E 0 3.7,3.7b ¶610543847
DJA III 28 11 38 41.4–1.5 9S–7.0 108E–4.0 16–14 5.3b,4.8b
ISC Event type ke.
ISC III 28 12 50 30.0–.89 9.44S–.07 111.22E–.05 35 3.5b 34 2-67
IDC III 28 12 50 27.6–2.8 8.30S 112.02E 0 3.5,3.5b ¶610543850
DJA III 28 12 50 30.1–.40 9S–3.0 111E–2.0 10 4.4b,4.1
ISC Event type ke.
ISC III 30 06 58 25.6–1.2 9.67S–.09 113.92E–.06 35 3.3b 15 1-63
IDC III 30 06 58 19.2–3.5 9.43S 113.70E 0 3.3,3.2b ¶610543977
DJA III 30 06 58 28.6–.50 10S–5.0 114E–3.0 40 4.2b,3.9
ISC Event type ke.
ISC III 31 22 49 38.6–1.1 9.1S–.10 112.23E–.05 52 3.6b 18 1-82
IDC III 31 22 49 32.4–2.0 8.68S 112.51E 0 3.7,3.6b ¶610544079
DJA III 31 22 49 37.8–.60 9S–6.0 112E–3.0 10 3.9,3.9
ISC Event type ke.
IDC IV 08 19 28 22.1–3.0 11.03S 111.88E 0 3.4,3.3b
¶610652251
IDC Error ellipse: s-maj=153.2km s-min=26.9km az=45.0.
ISC IV 09 23 22 45.9–.41 9.63S–.04 111.76E–.05 44–3 4.8b,4.0s 363 2-154
IDC IV 09 23 22 39.5–.47 9.49S 111.86E 0 4.5,4.5b ¶610523831
GCMT IV 09 23 22 41.7–.40 9.79S–.02 111.92E–.05 17–1 4.7W,4.5b
BJI IV 09 23 22 44.0–.00 9.70S 111.80E 43 5.1b,4.9b
NEIC IV 09 23 22 45.7–1.9 9.57S–.08 111.78E–.07 41–5 4.9b,4.9b
DJA IV 09 23 22 45.6–.30 10S–2.0 112E–1.0 39–4 5.3b,4.8
ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s20,c21; s69,c92;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.43±.13 $M_{\theta\theta}$1.20±.08; $M_{\phi\phi}$0.23±.08; $M_{r\theta}$0.23±.18; $M_{\theta\phi}$-0.19±.04; $M_{\phi r}$-0.63±.25; Best double couple: NP1:ϕ_s299.00000°,δ55.00000°,λ-70.00000°. NP2:ϕ_s86.00000°,δ40.00000°,λ-116.00000°. Principal axes: T 1.2830,Plg8.0000° ,Azm15.0000°; N 0.3720,Plg17.0000°,Azm107.0000°; P -1.6500,Plg72.0000°,Azm260.0000° $M_0$1.46700×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 10 08 58 19.3–1.3 10.4S–.10 113.10E–.08 10 3.5b 15 2-40
IDC IV 10 08 58 12.9–7.4 10.56S 112.37E 0 3.6,3.6b ¶610652364
DJA IV 10 08 58 19.3–1.0 10S–10 113E–4.0 10 3.9b,3.9
ISC Event type ke.
ISC IV 10 12 05 46.4–.58 9.70S–.07 111.78E–.05 35 4.3b 58 2-74
IDC IV 10 12 05 41.9–1.1 9.47S 111.81E 0 4.2,4.2b ¶610652380
DJA IV 10 12 05 46.2–.30 10S–4.0 112E–2.0 54–8 4.9b,4.5b
NEIC IV 10 12 05 47.8–1.3 9.6S–.10 111.7E–.10 43–10 4.3b,4.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 14 04 36 20.9–1.0 9.67S–.06 112.83E–.04 40–11 3.9b,3.2s 63 2-117
IDC IV 14 04 36 14.2–.92 9.61S 112.71E 0 3.9,3.9b ¶610652683
DJA IV 14 04 36 21.5–.70 10S–4.0 113E–2.0 30–11 5.1b,4.6b
ISC Event type ke.
ISC IV 14 09 13 07.2–1.4 9.8S–.10 112.73E–.07 10 3.0b 17 2-63
IDC IV 14 09 13 03.8–1.8 9.65S 112.43E 0 4.6L,3.2 ¶610652704
DJA IV 14 09 13 08.8–.60 10S–6.0 113E–3.0 10 4.2b,3.9
ISC Event type ke.
ISC IV 14 12 49 02.4–.96 9.52S–.08 112.85E–.05 36 3.4b 25 1-62
IDC IV 14 12 48 56.7–2.7 9.40S 112.90E 0 3.3,3.3b ¶610652727
DJA IV 14 12 49 03.7–1.7 9S–4.0 113E–2.0 17–16 4.1b,4.0
ISC Event type ke.
IDC IV 14 13 12 14.3–2.0 9.02S 112.41E 0 3.4,3.4b
¶610652730
IDC Error ellipse: s-maj=117.0km s-min=24.1km az=46.0.
ISC IV 15 10 55 14.0–1.1 11.3S–.10 111.87E–.09 10 3.9b 14 3-64
IDC IV 15 10 55 13.2–2.2 11.26S 112.10E 0 3.8,3.8b ¶610652789
DJA IV 15 10 55 14.3–.70 11S–6.0 112E–4.0 10 5.0b,4.5b
ISC Event type ke.
ISC IV 16 02 56 03.1–3.7 9.37S–.06 112.86E–.04 17–25 3.6b 32 1-73
DJA IV 16 02 56 06.0–.70 9S–3.0 113E–1.0 24–6 3.8,3.8 ¶610652845
IDC IV 16 02 56 17.2–2.4 10.53S 114.40E 0 3.6,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=125.6km s-min=27.1km az=48.0.
ISC IV 18 17 45 03.4–.66 9.60S–.08 111.76E–.06 40 3.9b 35 2-74
IDC IV 18 17 44 58.6–1.7 9.36S 111.93E 0 4.2s,3.7 ¶610652997
DJA IV 18 17 45 02.1–.90 10S–10 112E–4.0 10 4.4b,3.9
NEIC IV 18 17 45 04.2–1.1 9.57S–.10 111.76E–.04 40–11 4.0b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 21 03 38 49.5–.56 9.64S–.07 111.66E–.05 35 4.3b 59 2-142
IDC IV 21 03 38 45.2–.91 9.44S 111.79E 0 4.2,4.2b ¶610653157
DJA IV 21 03 38 47.6–.40 10S–3.0 112E–2.0 10 4.9b,4.8b
NEIC IV 21 03 38 51.3–1.3 9.4S–.10 111.8E–.10 46–8 4.3b,4.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 21 20 49 03.6–.68 9.69S–.06 112.90E–.05 58–6 4.4b,3.0s 103 2-141
DJA IV 21 20 49 03.9–.30 10S–3.0 113E–2.0 44–11 5.5b,4.9 ¶610547201
NEIC IV 21 20 49 04.3–1.6 9.56S–.09 113.01E–.04 57–9 4.4b,4.9
IDC IV 21 20 49 06.6–3.6 9.35S 113.02E 69–29 4.3L,4.2
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=4.7km az=169.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=28.1km s-min=12.5km az=38.0.
DJA IV 22 16 23 17.4–.60 10S–5.0 113E–3.0 10 4.0b,3.7
¶615346226
ISC IV 26 16 26 25.8–1.3 9.3S–.20 107.0E–.10 10 3.6b 16 2-69
DJA IV 26 16 26 26.8–3.2 9S–5.0 107E–3.0 34–59 4.4b,4.1 ¶610650068
IDC IV 26 16 26 28.0–3.4 8.39S 108.00E 0 3.5,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=181.5km s-min=21.9km az=49.0.
ISC IV 29 01 38 48.8–.88 9.54S–.09 111.73E–.05 10 4.0b 22 2-118
IDC IV 29 01 38 47.5–1.3 9.27S 112.01E 0 3.9,3.9b ¶610650271
DJA IV 29 01 38 49.8–.70 10S–8.0 112E–3.0 10 5.0b,4.5b
ISC Event type ke.
IDC IV 29 02 35 28.2–2.7 9.03S 112.30E 0 3.3,3.3b
¶610650274
IDC Error ellipse: s-maj=142.2km s-min=28.9km az=47.0.
ISC IV 29 10 02 14.1–.29 9.64S–.03 111.80E–.03 21–2 5.5b,5.2s 963 2-159
IDC IV 29 10 02 10.9–.32 9.44S 111.86E 0 5.2b,5.1s ¶611833685
BJI IV 29 10 02 11.0–.00 9.70S 111.80E 10 5.6b,5.6s
KLM IV 29 10 02 11 9.99S 111.59E 12 5.2b,5.6s
MOS IV 29 10 02 11.8–1.0 9.45S 111.85E 18 5.6b,5.1s
NEIC IV 29 10 02 12.6 9.69S 111.86E 10 5.6b,5.1s
NEIC IV 29 10 02 12.6–1.7 9.67S–.07 111.85E–.06 10–1 5.5,5.5
NEIC IV 29 10 02 12.6 9.69S 111.86E 10 5.5,5.5
NEIC IV 29 10 02 12.6 9.89S 111.76E 12 5.5,5.5
DJA IV 29 10 02 14.9–.20 10S–1.0 112E–1.0 22–2 5.9b,5.6
GCMT IV 29 10 02 14.5–.10 9.75S 111.87E 12 5.5W,5.6
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s298.90042°,δ77.15702°,λ-84.47930°. NP2: ϕ_s95.39963°,δ13.96093°,λ-112.87898°. Principal axes: T Plg31.9409°,Azm24.3024° ; N Plg5.3822°,Azm117.6697°; P Plg57.5004°,Azm216.1742°
IDC Error ellipse: s-maj=12.3km s-min=8.6km az=57.0.
MOS Error ellipse: s-maj=8.1km s-min=4.6km az=114.3.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=9.0km az=204.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-1.55 $M_{\theta\theta}$1.12 $M_{\phi\phi}$0.44 $M_{r\theta}$1.69 $M_{\theta\phi}$0.02 $M_{\phi r}$-0.74 NP1:ϕ_s288.35000°,δ72.36000°,λ-83.33000°. NP2:ϕ_s87.26000°,δ18.82000° ,λ-110.05000°. Principal axes: T 2.0023,Plg27.0000°,Azm13.0000°; N 0.5278,Plg6.0000° ,Azm106.0000°; P -2.5301,Plg62.0000°,Azm208.0000° $M_0$2.31000×10^{17}

NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 3s4 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.89 $M_{\theta\theta}$1.45 $M_{\phi\phi}$0.44 $M_{r\theta}$1.91 $M_{\theta\phi}$-0.44 $M_{\phi r}$0.42 NP1:ϕ_s268.04000°,δ69.44000°,λ-102.70000°. NP2:ϕ_s120.73000°,δ24.02000°,λ-59.62000°. Principal axes: T 2.3424,Plg23.0000°,Azm8.0000°; N 0.5078,Plg12.0000°,Azm273.0000°; P -2.8502,Plg63.0000°,Azm158.0000° $M_0$2.60000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s133,c219; s153,c294;Duration: 1s3 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.96±.02 $M_{\theta\theta}$1.56±.01; $M_{\phi\phi}$0.39±.02; $M_{r\theta}$0.66±.04; $M_{\theta\phi}$-0.32±.01; $M_{\phi r}$-0.20±.05; Best double couple: NP1:ϕ_s285.00000°,δ55.00000°,λ-89.00000°. NP2:ϕ_s104.00000°,δ35.00000°,λ-91.00000°. Principal axes: T 1.7670,Plg10.0000°,Azm15.0000°; N 0.3140,Plg1.0000°,Azm105.0000°; P -2.0850,Plg80.0000°,Azm198.0000° $M_0$1.92600×10^{17}
ISC IV 29 10 59 09.2–1.2 10.0S–.10 111.58E–.09 10 3.8b 17 2-62
DJA IV 29 10 59 09.6–1.0 10S–10 112E–4.0 10 3.9b,3.8 ¶610650301
IDC IV 29 10 59 10.0–2.3 8.93S 112.43E 0 3.6,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=118.0km s-min=25.5km az=48.0.
ISC IV 29 11 47 01.0–1.2 9.7S–.10 111.79E–.07 35 3.8b 18 2-67
IDC IV 29 11 46 57.1–2.2 9.30S 111.99E 0 3.8,3.8b ¶610650304
DJA IV 29 11 46 57.9–.70 10S–6.0 112E–4.0 10 4.1b,3.9
ISC Event type ke.
ISC IV 29 13 08 35.0–.95 9.73S–.08 111.80E–.06 10 3.9b 29 2-118
IDC IV 29 13 08 32.9–2.5 9.67S 111.61E 0 3.7,3.7b ¶610650310
DJA IV 29 13 08 35.2–.50 10S–4.0 112E–2.0 10 4.3b,4.0
ISC Event type ke.
ISC IV 29 13 30 08.9–1.5 9.6S–.20 111.75E–.09 35 3.3b 8 2-67
IDC IV 29 13 30 05.1–2.5 9.15S 112.23E 0 3.4,3.4b ¶610650315
DJA IV 29 13 30 16.5–.60 8S–12 112E–5.0 68–11 2.9,2.9
ISC Event type ke.
DJA IV 29 13 36 02.4–.70 10S–7.0 112E–3.0 10 4.3b,3.9
¶615346285
ISC IV 29 13 58 32.6–.80 9.53S–.10 111.75E–.06 35 4.2s,4.0b 20 2-94
IDC IV 29 13 58 27.5–1.1 9.23S 112.05E 0 4.0s,3.9 ¶610650317
DJA IV 29 13 58 32.3–2.1 10S–10 112E–3.0 31–30 3.7,3.7
ISC Event type ke.
IDC IV 29 14 05 32.9–2.4 9.00S 112.35E 0 3.3,3.3b
¶610650318
IDC Error ellipse: s-maj=139.3km s-min=25.9km az=49.0.
ISC IV 29 14 30 06.2–.70 9.68S–.05 111.75E–.05 25–4 4.8b,3.7s 174 2-154
IDC IV 29 14 30 02.6–.45 9.52S 111.74E 0 4.5,4.5b ¶610589265
NEIC IV 29 14 30 04.1–2.3 9.65S–.08 111.79E–.07 14–4 4.9b,4.5b
DJA IV 29 14 30 07.4–1.0 10S–3.0 112E–2.0 34–19 5.1b,4.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 29 15 41 47.3–1.3 9.6S–.10 111.82E–.08 40 3.7b 12 2-62
DJA IV 29 15 41 43.9–1.8 10S–16 112E–6.0 10 3.5,3.5 ¶610650328
IDC IV 29 15 41 44.0–2.1 9.04S 112.28E 0 3.7,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=72.8km s-min=23.7km az=53.0.
IDC IV 29 15 43 44.0–2.0 9.26S 112.07E 0 3.7,3.6b
¶610650329
IDC Error ellipse: s-maj=73.3km s-min=22.6km az=55.0.
ISC IV 29 15 45 58.8–.33 9.62S–.05 111.75E–.05 40 4.8b,3.5s 176 2-154
IDC IV 29 15 45 53.8–.45 9.43S 111.81E 0 4.5,4.5b ¶610589264
NEIC IV 29 15 45 54.5–1.8 9.60S–.08 111.77E–.07 10–1 4.9b,4.5b
BJI IV 29 15 45 57.0–.00 9.80S 111.70E 56 5.1b,4.9b
DJA IV 29 15 45 59.6–.50 10S–2.0 112E–1.0 30–5 7.2,7.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IV 29 15 53 37.0–3.1 9.48S 111.83E 0 3.3,3.2b
¶610650331
IDC Error ellipse: s-maj=161.5km s-min=30.1km az=47.0.
IDC IV 29 15 55 40.3–2.4 9.17S 112.16E 0 3.6,3.6b
¶610650332
IDC Error ellipse: s-maj=125.5km s-min=25.4km az=47.0.
IDC IV 29 17 05 12.5–2.7 9.11S 112.16E 0 3.2,3.2b
¶610650337
IDC Error ellipse: s-maj=134.7km s-min=28.7km az=47.0.
ISC IV 29 17 37 35.7–.61 9.83S–.08 111.67E–.05 35 4.1b 54 2-118
IDC IV 29 17 37 32.2–1.2 9.37S 112.00E 0 3.9,3.9b ¶610650339
NEIC IV 29 17 37 33.3–2.3 9.77S–.10 111.70E–.08 10–2 4.2b,3.9b
DJA IV 29 17 37 35.8–1.0 10S–5.0 112E–2.0 29–10 4.3b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IV 30 00 45 56.6–2.9 9.11S 112.21E 0 3.3,3.3b
¶610650369
IDC Error ellipse: s-maj=151.4km s-min=29.6km az=47.0.
IDC IV 30 01 29 00.5–2.1 9.22S 112.10E 0 3.8,3.8b
¶610650371
IDC Error ellipse: s-maj=97.7km s-min=21.1km az=52.0.
ISC IV 30 07 44 42.6–.75 9.4S–.10 111.74E–.07 50 4.2b 39 1-75
IDC IV 30 07 44 38.7–2.0 9.16S 112.18E 0 4.0,4.0b ¶610650393
NEIC IV 30 07 44 40.1–.90 9.38S–.04 111.46E–.06 35–2 4.3b,4.0b
DJA IV 30 07 44 44.8–.70 9S–12 112E–3.0 51–67 4.4b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IV 30 08 20 17.8–2.4 9.06S 112.29E 0 3.4,3.4b
¶610650394
IDC Error ellipse: s-maj=119.2km s-min=27.0km az=47.0.
IDC IV 30 10 49 50.3–2.5 9.08S 112.27E 0 3.4,3.4b
¶610650404
IDC Error ellipse: s-maj=124.6km s-min=28.5km az=47.0.
ISC IV 30 14 47 05.8–.73 9.75S–.09 111.77E–.08 40 4.1b 47 2-74
IDC IV 30 14 47 01.4–2.0 9.47S 111.87E 0 3.9,3.9b ¶610650422
NEIC IV 30 14 47 02.8–2.0 9.77S–.04 111.71E–.07 10–1 4.4b,3.9b
DJA IV 30 14 47 05.6–.50 10S–6.0 112E–2.0 10 4.3b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 01 08 23 10.5–1.4 9.3S–.10 110.31E–.08 35 3.0b 20 1-61
IDC V 01 08 23 05.8–3.0 8.64S 110.69E 0 3.3,3.3b ¶610689287
DJA V 01 08 23 08.7–.60 9S–5.0 110E–3.0 10 4.3b,4.0
ISC Event type ke.
ISC V 01 10 43 19.6–.47 9.70S–.05 111.67E–.05 33–2 4.7b,3.4s 219 2-148
BJI V 01 10 43 11.5–.00 10.55S 112.11E 40 5.0b,4.8b ¶610589607
IDC V 01 10 43 15.4–.55 9.44S 111.73E 0 4.5,4.5b
DJA V 01 10 43 20.3–.30 10S–2.0 112E–1.0 40–4 5.8,5.8
NEIC V 01 10 43 20.8–2.7 9.54S–.08 111.84E–.08 40–8 4.8b,5.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC V 01 10 53 47.8–2.4 9.12S 112.17E 0 3.7,3.7b
¶610689298
IDC Error ellipse: s-maj=120.1km s-min=26.4km az=47.0.
ISC V 01 10 56 40.8–1.1 9.8S–.10 111.66E–.07 35 3.9b 18 2-118
IDC V 01 10 56 36.7–1.9 9.38S 111.89E 0 3.8,3.8b ¶610689299
DJA V 01 10 56 39.2–.80 10S–7.0 112E–4.0 10 4.3b,4.0
ISC Event type ke.
ISC V 01 15 09 19.5–.88 10.1S–.10 108.78E–.09 31 3.8b 39 2-71
NEIC V 01 15 09 14.3–2.1 10.10S–.10 108.54E–.06 8–7 4.1b ¶610689320
DJA V 01 15 09 17.6–.40 10S–4.0 109E–3.0 10 4.4b,4.3
IDC V 01 15 09 19.6–2.3 9.48S 109.45E 0 3.8,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.2km s-min=6.8km az=152.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=117.1km s-min=22.3km az=46.0.
ISC V 01 15 21 04.0–1.5 9.2S–.10 110.38E–.08 10 3.2b 15 1-61
DJA V 01 15 21 03.8–.60 9S–7.0 110E–3.0 10 4.2b,3.9 ¶610689322
IDC V 01 15 21 09.5–3.4 9.47S 111.24E 0 3.3,3.3b
ISC Event type ke.
IDC Error ellipse: s-maj=182.2km s-min=30.9km az=48.0.
ISC V 01 23 42 00.2–.94 8.4S–.10 105.5E–.10 10 4.0b 23 2-146
IDC V 01 23 41 58.5–1.3 8.47S 105.38E 0 4.1b,4.0 ¶610689349
DJA V 01 23 41 59.0–.40 9S–4.0 105E–4.0 10 4.7b,4.5
ISC Event type ke.
IDC V 02 00 40 27.5–2.7 9.28S 111.98E 0 3.4,3.4b
¶610689351
IDC Error ellipse: s-maj=136.5km s-min=29.1km az=47.0.
ISC V 02 02 08 40.1–1.8 9.2S–.10 110.78E–.06 35 20 1-7
DJA V 02 02 08 37.4–.40 9S–4.0 111E–3.0 10 5.1b,4.6b ¶612489627
ISC Event type ke.
ISC V 02 02 56 42.0–.66 9.72S–.07 111.74E–.06 35 4.1b 35 2-74
IDC V 02 02 56 37.5–2.4 9.44S 111.78E 0 3.9,3.9b ¶610689361
DJA V 02 02 56 41.8–.80 10S–4.0 112E–3.0 22–7 4.4b,4.0
NEIC V 02 02 56 43.1–2.0 10.0S–.10 111.4E–.20 47–9 4.2b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 02 14 18 53.2–.58 9.67S–.08 111.73E–.07 35 4.2b 64 2-87
IDC V 02 14 18 49.1–.96 9.42S 111.85E 0 4.1,4.1b ¶610689397
DJA V 02 14 18 51.4–.40 10S–4.0 112E–2.0 10 5.4b,4.9
NEIC V 02 14 18 54.3–2.4 9.57S–.09 111.79E–.06 35–2 4.2b,4.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC V 02 16 21 32.4–2.8 9.13S 112.21E 0 3.2,3.1b
¶610689406
IDC Error ellipse: s-maj=142.7km s-min=30.0km az=47.0.
ISC V 02 20 02 46.3–.74 9.61S–.04 111.78E–.04 14–4 4.6b,3.8s 200 2-148
IDC V 02 20 02 44.6–.45 9.48S 111.88E 0 4.4,4.4b ¶610592374
DJA V 02 20 02 49.4–1.2 10S–3.0 112E–2.0 18–9 5.2b,4.8
NEIC V 02 20 02 50.3–1.8 9.51S–.06 111.85E–.06 40–7 4.6b,4.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 03 05 19 48.4–1.0 9.6S–.10 111.77E–.06 40 4.0b 19 2-65
IDC V 03 05 19 44.2–1.8 9.22S 112.15E 0 4.8s,4.1 ¶610689435
DJA V 03 05 19 44.6–.70 10S–8.0 112E–3.0 10 4.5b,4.1
ISC Event type ke.
IDC V 04 00 49 36.9–2.9 9.49S 111.06E 0 3.2,3.2b
¶610689515
IDC Error ellipse: s-maj=135.8km s-min=31.2km az=48.0.
ISC V 04 03 40 25.7–.92 9.75S–.10 111.69E–.06 35 3.9b 21 2-118
IDC V 04 03 40 20.9–1.4 9.41S 111.94E 0 3.9,3.9b ¶610689519
DJA V 04 03 40 25.6–2.6 10S–8.0 112E–3.0 25–31 4.5b,4.1
ISC Event type ke.
IDC V 04 03 44 23.7–2.8 9.08S 112.39E 0 3.3,3.3b
¶610689521
IDC Error ellipse: s-maj=139.6km s-min=29.7km az=47.0.
ISC V 04 22 13 45.8–.43 9.88S–.06 107.45E–.06 23 4.7b,3.6s 164 2-154
IDC V 04 22 13 43.1–.59 9.69S 107.61E 0 4.3,4.3b ¶610598517
DJA V 04 22 13 44.8–.50 10S–2.0 107E–2.0 31–5 5.4b,5.2
BJI V 04 22 13 48.0–.00 9.60S 107.50E 30 5.0b,4.7b
NEIC V 04 22 13 49.4–1.5 9.87S–.10 107.58E–.10 49–5 4.7b,4.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC V 10 04 13 33.0–2.6 9.01S 112.11E 0 3.5,3.5b
¶610689933
IDC Error ellipse: s-maj=124.6km s-min=28.8km az=48.0.
ISC V 11 00 34 54.0–5.0 10.4S–.10 113.29E–.06 19–20 3.8b 28 2-63
IDC V 11 00 34 49.4–2.0 10.80S 112.72E 0 3.7,3.7b ¶610690008
DJA V 11 00 34 54.3–.50 10S–4.0 113E–2.0 10 4.2,4.2
ISC Event type ke.
ISC V 15 04 57 30.2–1.3 9.6S–.10 111.79E–.07 10 3.5b 15 2-62
IDC V 15 04 57 29.2–2.7 9.06S 112.30E 0 3.5,3.5b ¶610690315
DJA V 15 04 57 31.4–.60 10S–7.0 112E–3.0 10 4.1b,3.7
ISC Event type ke.
DJA V 23 06 51 18.1–.40 9S–3.0 111E–3.0 10 3.9b,3.8
¶615346592
ISC V 25 18 05 13.5–1.3 9.7S–.10 112.87E–.06 35 3.2b 18 2-63
IDC V 25 18 05 06.0–2.7 9.94S 112.31E 0 3.4,3.4b ¶610685383
DJA V 25 18 05 12.6–.50 10S–6.0 113E–3.0 10 4.3b,3.8
ISC Event type ke.
DJA V 27 02 58 03.3–.50 9S–6.0 110E–3.0 10 3.9b,3.7
¶615346651
DJA V 28 21 32 42.4–.40 10S–3.0 107E–3.0 10 4.3b,4.1
¶615346653
ISC V 29 15 33 00.3–.76 9.59S–.08 111.82E–.05 40 3.9b 30 2-82
IDC V 29 15 32 55.3–2.4 9.40S 112.02E 0 3.8,3.8b ¶610685628
DJA V 29 15 32 57.7–.60 10S–6.0 112E–3.0 10 5.0b,4.4
NEIC V 29 15 33 01.1–.99 9.24S–.07 112.13E–.08 38–10 4.2b,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 30 01 20 23.8–.78 9.34S–.06 107.02E–.06 22 4.0b 25 2-66
DJA V 30 01 20 23.5–.30 9S–4.0 107E–3.0 10 5.3b,4.9b ¶612489886
IDC V 30 01 20 33.2–1.2 7.08S 109.57E 0 3.9,3.9b
ISC Event type ke.
IDC Error ellipse: s-maj=45.3km s-min=20.4km az=40.0.
DJA V 30 02 13 52.5–1.6 9S–5.0 110E–2.0 26–18 3.9,3.9
¶615346765
ISC V 30 03 47 14.1–.60 9.52S–.07 107.00E–.07 22 4.4b 33 2-86
IDC V 30 03 47 12.4–1.9 9.42S 106.95E 0 4.3L,4.0 ¶610685688
DJA V 30 03 47 12.8–.30 9S–4.0 107E–3.0 10 5.5b,4.9
NEIC V 30 03 47 16.4–1.7 9.56S–.04 107.10E–.09 44–8 4.5b,4.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 03 06 04 36.2–1.7 9.4S–.10 113.45E–.05 26 15 1-62
DJA VI 03 06 04 37.2–1.1 9S–7.0 113E–3.0 22–14 3.6,3.6 ¶615347415
ISC Event type ke.
ISC VI 04 06 34 54.6–1.6 9.5S–.10 113.54E–.09 10 12 1-63
IDC VI 04 06 34 18.3–3.3 6.37S 111.27E 0 3.4,3.4b ¶615347450
DJA VI 04 06 34 55.6–.60 9S–7.0 114E–3.0 10 4.1b,3.7
ISC Event type ke.
IDC VI 04 22 14 02.4–2.7 9.28S 112.14E 0 3.4,3.3b
¶610791259
IDC Error ellipse: s-maj=141.9km s-min=27.4km az=47.0.
IDC VI 07 18 05 11.8–3.2 11.03S 111.69E 0 3.1,3.1b
¶610791415
IDC Error ellipse: s-maj=153.4km s-min=30.3km az=45.0.
IDC VI 10 01 16 28.4–2.9 9.09S 112.34E 0 3.4,3.4b
¶610791564
IDC Error ellipse: s-maj=159.0km s-min=28.8km az=47.0.
ISC VI 11 23 15 12.3–.35 8.12S–.03 106.37E–.03 58–2 5.7b,5.0s 1609 1-177
BJI VI 11 23 15 04.7–.00 8.72S 106.46E 45 5.8b,5.4b ¶611834089
NEIC VI 11 23 15 06.2 8.71S 106.17E 40 5.8b,5.4b
NEIC VI 11 23 15 06.2–3.0 8.32S–.04 106.26E–.02 7–1 5.8b,5.7
NEIC VI 11 23 15 06.6 8.30S 106.27E 10 5.8b,5.7
NEIC VI 11 23 15 06.2 8.31S 106.27E 40 5.8b,5.7
KLM VI 11 23 15 08 8.46S 105.99E 61 6.0b,5.7
MOS VI 11 23 15 09.8–.90 7.83S 106.58E 37 6.1b,4.9s
DJA VI 11 23 15 10.6–.20 8S–2.0 106E–1.0 45–2 6.2,6.1b
GCMT VI 11 23 15 13.2–.10 8.32S–.01 106.27E–.01 38–0 5.7W,6.1b
IDC VI 11 23 15 15.6–1.2 8.09S 106.49E 80–10 5.6,5.3b

ISC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 3^s5 Moment tensor: Scale 10^{17}Nm; M_{rr}0.88 $M_{\theta\theta}$0.61 $M_{\phi\phi}$-1.50 $M_{r\theta}$1.49 $M_{\theta\phi}$-3.18 $M_{\phi r}$-1.08 NP1:ϕ_s175.10000°,δ68.98000°,λ22.67000°. NP2:ϕ_s76.58000°,δ68.92000°,λ157.39000°. Principal axes: T 3.9982,Plg31.0000°,Azm36.0000°; N -0.2030,Plg59.0000°,Azm216.0000°; P -3.7952,Plg0.0000°,Azm306.0000° $M_0$3.90000×10^{17}
NEIC Event type se. Error ellipse: s-maj=7.2km s-min=3.6km az=201.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.27 $M_{\theta\theta}$1.97 $M_{\phi\phi}$-2.24 $M_{r\theta}$0.91 $M_{\theta\phi}$-3.67 $M_{\phi r}$-0.76 NP1:ϕ_s74.04000°,δ77.12000°,λ170.50000°. NP2:ϕ_s166.18000°,δ80.74000°,λ13.06000°. Principal axes: T 4.4278,Plg16.0000°,Azm30.0000°; N -0.0501,Plg74.0000°,Azm201.0000°; P -4.3777,Plg3.0000°,Azm300.0000° $M_0$4.40000×10^{17}
NEIC Event type se.
NEIC Event type se.
MOS Error ellipse: s-maj=7.7km s-min=4.0km az=114.4.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s132,c249; s147,c300;Duration: 1^s8 Moment tensor: Scale 10^{17}Nm; M_{rr}1.48±.05 $M_{\theta\theta}$0.50±.04; $M_{\phi\phi}$-1.98±.05; $M_{r\theta}$1.56±.06; $M_{\theta\phi}$-3.62±.03; $M_{\phi r}$-1.71±.06; Best double couple: NP1:ϕ_s176.00000°,δ70.00000°,λ30.00000°. NP2:ϕ_s75.00000°,δ62.00000°,λ157.00000°. Principal axes: T 4.6920,Plg35.0000°,Azm38.0000°; N -0.0840,Plg54.0000°,Azm207.0000°; P -4.6110,Plg5.0000°,Azm304.0000° $M_0$4.65100×10^{17}
IDC Error ellipse: s-maj=10.8km s-min=8.3km az=85.0.
ISC VI 12 10 35 14.6–1.2 9.4S–.10 106.81E–.10 10 4.1b 18 2-145
IDC VI 12 10 35 13.1–1.4 9.38S 106.73E 0 3.8,3.8b **¶610791716**
DJA VI 12 10 35 14.4–.30 9S–4.0 107E–4.0 10 4.6b,4.2
ISC Event type ke.
DJA VI 21 11 25 20.8–1.5 10S–5.0 111E–3.0 30–18 4.3b,3.9 ¶615350389

ISC VI 22 14 52 36.3–.89 9.29S–.05 107.41E–.06 23 3.5b 22 2-60
IDC VI 22 14 52 33.3–2.1 9.36S 107.50E 0 4.0L,3.6 **¶610789278**
DJA VI 22 14 52 34.4–.30 9S–3.0 107E–3.0 10 4.0,4.0
ISC Event type ke.
ISC VI 22 19 20 04.2–.67 10.33S–.08 112.80E–.08 28 3.5b 35 2-68
IDC VI 22 19 20 02.5–2.3 9.79S 113.21E 0 3.4,3.4b **¶610789292**
NEIC VI 22 19 20 02.5–1.6 10.26S–.05 112.77E–.07 10–2 4.2b,3.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DJA VI 28 04 30 22.1–.70 9S–4.0 113E–2.0 29–7 4.1b,3.8 ¶615350481

DJA VI 29 12 09 59.0–.30 9S–3.0 106E–5.0 10 5.3b,4.3 ¶615350488

(283) Bali region.

ISC I 08 10 29 49.7–1.0 8.4S–.10 115.00E–.06 159–8 3.1b 19 0-62
IDC I 08 10 29 32.1–2.6 8.18S 114.83E 0 3.2,3.2b **¶610236958**
DJA I 08 10 29 51.6–.70 8S–11 115E–4.0 136–7 3.1,3.1
ISC Event type ke.
ISC III 21 23 10 26.4–.23 8.54S–.03 115.25E–.03 133–1 5.4b 1589 0-174
MOS III 21 23 10 24.4–.92 8.37S 115.27E 123 5.4b,4.5s **¶610415898**
NEIC III 21 23 10 24.1 8.57S 115.34E 110 5.4b,4.5s
NEIC III 21 23 10 24.1 8.87S 115.34E 110 5.4b,4.5s
NEIC III 21 23 10 25.1–2.2 8.49S–.07 115.32E–.05 112–3 5.6,5.5b
IDC III 21 23 10 26.4–.47 8.39S 115.24E 127–3 5.4,5.0b
DJA III 21 23 10 26.8–.10 9S–2.0 115E–1.0 122–1 6.1,5.9b
KLM III 21 23 10 27 8.88S 115.23E 103 5.8b,5.9b
GCMT III 21 23 10 28.1–.10 8.75S–.01 115.27E–.01 130–0 5.7W,5.9b
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s229.91229°,δ34.88839°,λ133.51714°. NP2:ϕ_s0.73486°,δ65.49444°,λ64.35217°. Principal axes: T Plg60.8458°,Azm231.8132°; N Plg23.1942°,Azm11.9983°; P Plg16.6618°,Azm109.3661° Moment Tensor Solution. NP1:ϕ_s23.15196°,δ67.23236°,λ127.34244°. NP2:ϕ_s140.04717°,δ42.85498°,λ34.67974°. Principal axes: T Plg52.3738°,Azm337.7844°; N Plg34.0084°,Azm186.7020°; P Plg14.1651°,Azm86.8971°
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 3^s2 Moment tensor: Scale 10^{17}Nm; M_{rr}2.97 $M_{\theta\theta}$-0.36 $M_{\phi\phi}$-2.61 $M_{r\theta}$0.11 $M_{\theta\phi}$0.58 $M_{\phi r}$1.00 NP1:ϕ_s352.43000°,δ54.44000°,λ96.73000°. NP2:ϕ_s160.96000°,δ36.11000°,λ80.69000°. Principal axes: T 3.1585,Plg79.0000°,Azm289.0000°; N -0.2566,Plg5.0000°,Azm169.0000°; P -2.9019,Plg9.0000°,Azm78.0000° $M_0$3.03000×10^{17}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s149,c261; s155,c326;Duration: 1^s7 Moment tensor: Scale 10^{17}Nm; M_{rr}3.50±.04 $M_{\theta\theta}$-0.20±.05; $M_{\phi\phi}$-3.30±.05; $M_{r\theta}$-1.46±.03; $M_{\theta\phi}$-1.79±.04; $M_{\phi r}$1.38±.04; Best double couple: NP1:ϕ_s0.00000°,δ55.00000°,λ58.00000°. NP2:ϕ_s228.00000°,δ46.00000°,λ128.00000°. Principal axes: T 4.4850,Plg64.0000°,Azm213.0000°; N -0.3030,Plg26.0000°,Azm20.0000°; P -4.1780,Plg5.0000°,Azm112.0000° $M_0$4.33100×10^{17}
ISC III 21 23 40 32.6–.67 8.61S–.09 115.24E–.04 128–5 3.9b 63 0-151
NEIC III 21 23 40 31.6–1.8 8.4S–.20 115.37E–.06 115–8 4.0b **¶610543432**
IDC III 21 23 40 32.5–2.9 8.28S 115.43E 126–22 3.8,3.4b
DJA III 21 23 40 33.0–.30 9S–5.0 115E–2.0 122–4 4.4,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 29 05 12 58.9–.81 8.15S–.06 114.91E–.04 10 3.4b 17 1-62
IDC IV 29 05 12 55.9–2.0 8.31S 114.77E 0 3.7L,3.5 **¶610650283**
DJA IV 29 05 13 00.6–.40 8S–6.0 115E–3.0 19–5 4.3b,4.0
ISC Event type ke.
DJA V 14 16 48 21.6–.20 8S–3.0 115E–2.0 10 4.2b,3.9 ¶615346484

ISC V 14 18 29 11.0–.76 8.08S–.07 115.35E–.04 10 3.8b 26 0-71
IDC V 14 18 29 10.8–2.9 7.71S 115.82E 0 3.6,3.6b **¶610690292**
DJA V 14 18 29 11.3–.20 8S–3.0 115E–2.0 10 4.9b,4.3b
ISC Event type ke.
DJA V 14 19 00 25.0–.20 8S–2.0 115E–1.0 10 4.2b,3.8 ¶615346483

IDC V 23 17 04 48.3–2.8 8.98S 114.05E 0 3.4,3.3b ¶610685234

IDC Error ellipse: s-maj=130.4km s-min=24.6km az=52.0.
ISC V 28 18 21 09.3–.89 8.1S–.10 114.74E–.07 211–7 3.8b 24 0-67
IDC V 28 18 20 45.5–1.9 7.93S 114.29E 0 3.8,3.8b **¶610685563**
DJA V 28 18 21 09.9–.40 8S–11 115E–3.0 202–3 4.1b,3.7
ISC Event type ke.

(284) South of Bali.

ISC I 15 03 44 12.1–.94 9.24S–.09 115.58E–.04 123–7 4.0b 35 1-73
DJA I 15 03 44 13.3–.40 9S–5.0 116E–2.0 100–4 5.5,4.7 **¶610237411**
IDC I 15 03 44 16.6–6.0 9.06S 115.77E 165–54 4.1,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=54.4km s-min=15.7km az=60.0.
IDC I 21 23 10 17.9–2.6 11.57S 115.71E 0 3.3b,3.2 ¶610235032

IDC Error ellipse: s-maj=136.7km s-min=26.7km az=46.0.
IDC I 27 20 29 50.5–2.5 11.74S 115.61E 0 3.6b,3.5 ¶610235504

IDC Error ellipse: s-maj=137.5km s-min=24.1km az=46.0.
ISC II 12 04 25 09.7–.28 9.43S–.05 115.62E–.04 50 4.6b,3.7s 245 1-154
NEIC II 12 04 25 11.4–2.1 9.35S–.06 115.74E–.06 61–3 4.6b,3.7s **¶610208503**
DJA II 12 04 25 11.1–.10 10S–2.0 116E–1.0 75–2 5.8,5.7
IDC II 12 04 25 12.4–.68 9.15S 115.71E 74–5 4.7,4.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=8.2km az=216.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=15.9km s-min=9.5km az=61.0.
DJA II 21 20 01 30.5–.40 10S–7.0 114E–2.0 60–19 3.8b,3.8 ¶615345691

IDC III 04 05 58 25.8–3.9 10.68S 115.42E 0 3.2,3.2b ¶610545499
IDC Error ellipse: s-maj=206.5km s-min=31.5km az=52.0.
ISC III 16 18 39 26.3–.35 11.65S–.03 114.59E–.04 19–1 5.4b,4.6s 1257 3-171
IDC III 16 18 39 23.5–.38 11.54S 114.60E 0 5.1,5.1b **¶610330702**
MOS III 16 18 39 23.8–1.1 11.45S 114.61E 10 5.6b,4.6s
DJA III 16 18 39 24.4–.10 12S–1.0 114E–1.0 10 5.9,5.6b
BJI III 16 18 39 24.0–.00 11.70S 114.60E 10 5.3b,5.2b
KLM III 16 18 39 24 11.47S 115.05E 10 5.5b,5.2b
NEIC III 16 18 39 25 11.61S 114.57E 30 5.5b,5.2b
NEIC III 16 18 39 25 11.91S 114.47E 30 5.5b,5.2b
NEIC III 16 18 39 26.3–2.9 11.54S–.08 114.57E–.08 10–1 5.5b,5.5
GCMT III 16 18 39 27.3–.10 11.73S–.01 114.62E–.01 12 5.3W,5.5
ISC Event type se.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 3^s0 Moment tensor: Scale 10^{17}Nm; M_{rr}-2.35 $M_{\theta\theta}$2.40 $M_{\phi\phi}$-0.05 $M_{r\theta}$0.16 $M_{\theta\phi}$0.06 $M_{\phi r}$0.28 NP1:ϕ_s261.92000°,δ47.45000°,λ-99.16000°. NP2:ϕ_s95.34000°,δ43.34000°,λ-80.16000°. Principal axes: T 2.4051,Plg2.0000°,Azm358.0000°; N -0.0163,Plg7.0000°,Azm268.0000°; P -2.3888,Plg83.0000°,Azm105.0000° $M_0$2.40000×10^{17}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s104,c172; s123,c248;Duration: 1^s2 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.03±.02 $M_{\theta\theta}$1.38±.01; $M_{\phi\phi}$-0.34±.02; $M_{r\theta}$0.53±.04; $M_{\theta\phi}$0.06±.01; $M_{\phi r}$-0.15±.05; Best double couple: NP1:ϕ_s278.00000°,δ58.00000°,λ-77.00000°. NP2:ϕ_s75.00000°,δ35.00000°,λ-110.00000°. Principal axes: T 1.4920,Plg12.0000°,Azm359.0000°; N -0.3120,Plg11.0000°,Azm91.0000°; P -1.1730,Plg74.0000°,Azm223.0000° $M_0$1.33200×10^{17}
IDC III 16 19 33 37.5–2.9 11.59S 115.37E 0 3.1,3.0b ¶610546332

IDC Error ellipse: s-maj=138.3km s-min=30.1km az=45.0.
ISC III 18 01 15 38.0–.46 10.91S–.06 115.10E–.06 35 4.4b 105 2-149
NEIC III 18 01 15 35.3–2.3 10.77S–.07 115.16E–.08 10–1 4.5b **¶610344636**
DJA III 18 01 15 39.1–.50 11S–5.0 115E–2.0 10 5.2b,4.8b
IDC III 18 01 15 46.0–4.0 10.43S 115.36E 81–37 4.3,4.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.0km s-min=10.0km az=236.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=28.5km s-min=13.2km az=74.0.
ISC III 18 12 24 54.1–1.2 9.70S–.08 114.21E–.05 31 3.3b 20 1-63
IDC III 18 12 24 48.8–4.4 9.65S 114.25E 0 3.3,3.2b **¶610546451**
DJA III 18 12 24 54.1–.50 10S–4.0 114E–2.0 10 3.7,3.7
ISC Event type ke.
IDC III 21 11 18 25.1–2.8 11.72S 114.43E 0 3.3,3.2b ¶610543401

IDC Error ellipse: s-maj=129.0km s-min=28.7km az=45.0.
DJA III 24 06 26 14.9–.30 11S–4.0 116E–4.0 10 5.4b,4.9 ¶615345986

IDC IV 04 12 18 48.0–3.0 11.07S 114.50E 0 3.1,3.0b ¶610651911

IDC Error ellipse: s-maj=151.6km s-min=28.0km az=46.0.
ISC IV 06 04 44 10.8–.74 9.26S–.09 115.48E–.07 100 3.4b 38 1-63
IDC IV 06 04 43 58.0–2.6 9.40S 114.82E 0 3.6s,3.5 **¶610652050**
DJA IV 06 04 44 11.0–.20 9S–4.0 115E–2.0 83–5 7.2,6.9
ISC Event type ke.
ISC IV 07 18 25 30.4–.65 9.17S–.05 115.52E–.04 96–6 4.0b 128 1-150
DJA IV 07 18 25 30.0–.20 9S–3.0 116E–1.0 79–6 5.0b,4.7b **¶610652172**
NEIC IV 07 18 25 31.0–2.3 9.13S–.08 115.54E–.06 96–5 4.3b,4.7b
IDC IV 07 18 25 32.0–2.8 9.07S 115.54E 108–25 4.0,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=8.2km az=190.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=24.7km s-min=13.1km az=65.0.
ISC IV 08 11 07 59.6–.50 9.60S–.05 114.43E–.05 31 4.2b 79 1-89
IDC IV 08 11 07 53.3–1.5 9.61S 113.99E 0 4.1,4.1L **¶610652222**
DJA IV 08 11 08 01.5–.20 10S–3.0 114E–2.0 49–8 5.5b,5.0
NEIC IV 08 11 08 03.9–2.3 9.36S–.06 114.41E–.08 84–7 4.3b,5.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DJA IV 10 07 41 51.7–.80 11S–7.0 115E–4.0 10 4.3b,3.9 ¶615346130

ISC IV 30 14 33 48.1–.86 9.87S–.05 114.92E–.04 42–9 4.2b 127 1-125
DJA IV 30 14 33 47.6–.40 10S–2.0 115E–1.0 24–4 5.5b,5.0 **¶610589495**
NEIC IV 30 14 33 48.3–1.9 9.83S–.06 114.91E–.07 35–2 4.4b,5.0
IDC IV 30 14 33 50.8–2.8 9.67S 114.99E 65–24 4.1,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=8.9km az=64.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=19.8km s-min=10.5km az=58.0.
DJA IV 30 17 46 33.2–.40 10S–3.0 115E–2.0 10 4.2b,4.0 ¶615346292

ISC V 05 18 11 29.0–.94 9.37S–.09 114.84E–.05 75–11 3.2b 35 1-63
DJA V 05 18 11 29.7–.40 9S–5.0 115E–2.0 45–9 4.1b,4.0 **¶610689621**
IDC V 05 18 11 29.1–4.5 9.25S 114.82E 83–39 3.6,3.0b
ISC Event type ke.
IDC Error ellipse: s-maj=34.9km s-min=17.4km az=41.0.
ISC VI 06 21 00 38.9–1.5 9.56S–.06 115.22E–.04 27–14 3.7b 36 1-63
IDC VI 06 21 00 30.2–2.9 9.66S 114.62E 0 3.6,3.6b **¶610791354**
DJA VI 06 21 00 42.5–.50 9S–4.0 115E–2.0 36–6 4.2b,4.1
ISC Event type ke.

(285) Sumbawa region.

ISC I 10 17 10 55.1–.37 8.17S–.04 117.62E–.04 35 4.6b 139 1-145
IDC I 10 17 10 50.6–.70 8.07S 117.59E 0 4.5L,4.2 **¶610051624**
DJA I 10 17 10 53.8–.30 8S–2.0 118E–1.0 19–3 5.3b,4.9
NEIC I 10 17 10 53.3–2.5 8.16S–.07 117.56E–.06 19–5 4.6b,4.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DJA I 10 17 25 19.0–.80 8S–4.0 118E–3.0 15–9 4.0b,3.9 ¶615345206

DJA I 12 02 25 45.5–.30 9S–6.0 119E–3.0 10 4.2b,3.9 ¶615345233

ISC I 14 16 58 26.5–.52 8.17S–.05 118.66E–.05 200 3.6b 65 1-73
IDC I 14 16 58 27.2–1.6 8.07S 118.70E 206–13 4.0,3.3b **¶610237366**
DJA I 14 16 58 27.2–.30 8S–3.0 119E–2.0 173–5 5.0b,4.7b
ISC Event type ke.
ISC I 18 00 02 52.1–1.2 8.14S–.08 118.61E–.07 35 14 2-64
DJA I 18 00 02 49.7–.40 8S–5.0 119E–3.0 10 5.0b,4.2 **¶610237629**
IDC I 18 00 02 52.0–2.1 8.05S 119.28E 0 3.3b,3.3L
ISC Event type ke.
IDC Error ellipse: s-maj=64.5km s-min=23.1km az=68.0.
IDC I 25 07 44 39.8–2.6 8.19S 118.06E 0 3.6,3.6b ¶610235310

IDC Error ellipse: s-maj=77.8km s-min=26.3km az=66.0.
DJA I 28 11 23 25.2–.50 8S–8.0 118E–3.0 101–9 4.5b,4.1 ¶615345452

ISC I 29 06 36 49.4–1.1 9.44S–.10 116.37E–.04 72–13 3.7b 25 1-69
DJA I 29 06 36 49.8–.50 9S–6.0 116E–2.0 40–26 4.5b,4.4 **¶610235617**
IDC I 29 06 36 54.8–8.0 9.21S 116.51E 131–73 3.7,3.2b
ISC Event type ke.
IDC Error ellipse: s-maj=74.5km s-min=16.5km az=65.0.
DJA I 29 19 41 09.7–.50 8S–7.0 117E–3.0 14–6 3.8,3.7 ¶615345458

DJA II 02 09 02 34.4–1.0 9S–18 118E–4.0 10 5.9b,5.5 ¶615345508

DJA II 02 12 50 14.7–.30 9S–5.0 118E–2.0 10 3.9,3.9

¶615345507
ISC II 03 06 03 45.0–.84 9.22S–.09 118.72E–.06 100 3.6b 19 1-69
IDC II 03 06 03 34.3–2.3 8.67S 118.77E 0 3.6,3.6b ¶610414717
DJA II 03 06 03 46.1–.50 9S–7.0 119E–3.0 89–11 4.7b,4.3
ISC Event type ke.
ISC II 09 15 40 58.6–.46 8.72S–.04 118.35E–.04 152 3.9b 91 1-118
IDC II 09 15 40 56.4–6.0 8.67S 118.13E 128–52 3.9,3.4b ¶610206143
NEIC II 09 15 40 57.3–2.3 8.67S–.08 118.32E–.06 148–4 4.3b,3.4b
DJA II 09 15 41 00.0–.20 9S–3.0 118E–1.0 99–6 4.7b,4.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC II 12 20 12 40.8–12 8.37S 116.79E 145–103 3.5,2.9b
¶610415397
IDC Error ellipse: s-maj=169.8km s-min=26.0km az=61.0.
ISC II 13 03 08 34.8–.25 8.09S–.03 117.66E–.03 220–2 5.0b 869 1-174
PRE II 13 03 08 01.5–2.2 7.08S 118.50E 10 5.7b ¶611831803
MOS II 13 03 08 32.4–1.1 7.98S 117.59E 209 5.2b
IDC II 13 03 08 34.9–.37 8.01S 117.60E 215–2 5.3,4.7b
NEIC II 13 03 08 34.3–2.0 8.11S–.07 117.65E–.05 212–4 5.2b,4.7b
DJA II 13 03 08 35.1–.10 8S–2.0 118E–1.0 214–1 5.8,5.6b
GCMT II 13 03 08 36.3–.20 8.24S–.02 117.71E–.02 216–1 5.1W,5.6b
KLM II 13 03 08 41 8.35S 117.42E 285 5.4b,5.6b
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s36.63810°,δ80.34937°,λ95.06071°. NP2: ϕ_s188.79269°,δ10.88590°,λ62.58209°. Principal axes: T Plg54.3824°,Azm312.7865° ; N Plg4.9889°,Azm215.7876°; P Plg35.1587°,Azm122.2625° Moment Tensor Solution. NP1: ϕ_s46.00121°,δ9.69674°,λ-25.51479°. NP2:ϕ_s161.19695°,δ85.83945°,λ-98.76652°. Principal axes: T Plg40.2184°,Azm259.3105°; N Plg8.7432°,Azm161.8380°; P Plg48.4439° ,Azm61.8472°
PRE Error ellipse: s-maj=112.2km s-min=87.9km az=-1.0.
MOS Error ellipse: s-maj=7.7km s-min=4.8km az=116.9.
IDC Error ellipse: s-maj=8.6km s-min=5.7km az=57.0.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=7.3km az=187.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s45,c54; s104,c137;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.62±.17 $M_{\theta\theta}$0.25±.17; $M_{\phi\phi}$1.37±.20; $M_{r\theta}$0.67±.12; $M_{\theta\phi}$1.03±.16; $M_{\phi r}$5.53±.13; Best double couple: NP1:ϕ_s188.00000°,δ82.00000°,λ-98.00000°. NP2:ϕ_s54.00000°,δ12.00000°,λ-45.00000°. Principal axes: T 5.8700,Plg36.0000° ,Azm285.0000°; N -0.0150,Plg8.0000°,Azm189.0000°; P -5.8550,Plg52.0000°,Azm88.0000° $M_0$5.86200×10^{16}
DJA II 14 06 55 15.8–.50 9S–8.0 116E–3.0 118–4 4.5b,3.9
¶615345619
ISC II 17 17 28 18.6–.56 8.05S–.04 118.55E–.04 10 3.9b,3.4s 52 1-69
IDC II 17 17 28 14.0–1.2 8.21S 118.17E 0 3.8L,3.5 ¶610415714
DJA II 17 17 28 18.1–.20 8S–3.0 119E–2.0 10 4.9b,4.6b
NEIC II 17 17 28 24.3–1.9 8.12S–.05 118.56E–.07 10–1 4.4b,4.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 19 11 35 38.7–.90 9.13S–.07 116.65E–.04 46–9 4.0b 73 0-128
IDC II 19 11 35 31.4–.74 9.18S 116.33E 0 4.5L,4.1 ¶610415815
DJA II 19 11 35 36.7–.30 9S–3.0 117E–1.0 10 5.0b,4.7b
NEIC II 19 11 35 38.6–2.5 9.12S–.10 116.60E–.07 38–9 4.1b,4.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DJA II 20 15 53 29.9–.30 10S–4.0 117E–2.0 10 4.8b,4.2b
¶615345675
ISC II 20 19 27 42.2–.64 8.12S–.05 118.50E–.05 10 4.0b 40 1-68
IDC II 20 19 27 39.6–1.5 8.31S 118.21E 0 3.8L,3.7 ¶610384699
NEIC II 20 19 27 43.7–1.4 8.21S–.07 118.55E–.08 13–4 4.1b,3.7
DJA II 20 19 27 43.4–.20 8S–3.0 119E–2.0 10 4.4b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 23 08 28 03.7–.87 8.61S–.06 118.33E–.04 150 30 1-32
IDC II 23 08 27 59.9–4.7 8.77S 117.83E 120–27 3.8,3.5b ¶610384859
DJA II 23 08 28 03.9–.30 9S–3.0 118E–2.0 119–5 4.9b,4.5b
ISC Event type ke.
ISC II 23 17 42 02.6–.64 8.69S–.06 117.56E–.05 10 3.8b 35 0-145
IDC II 23 17 42 01.4–1.0 8.59S 117.64E 0 3.7,3.7b ¶610384888
DJA II 23 17 42 03.0–.20 9S–3.0 118E–1.0 10 5.0b,4.7b
ISC Event type ke.
ISC II 28 13 14 56.1–.63 9.25S–.06 118.71E–.04 100 3.9b 33 1-78
IDC II 28 13 14 46.8–2.8 8.86S 118.71E 0 3.9,3.8b ¶610385207
NEIC II 28 13 14 56.0–.58 9.17S–.10 118.8E–.10 90–12 4.3b,3.8b
DJA II 28 13 14 58.3–.40 9S–5.0 119E–2.0 78–9 4.4b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 28 18 53 29.4–1.1 8.1S–.10 118.40E–.07 200 13 1-63
IDC II 28 18 53 09.1–3.0 7.90S 118.12E 0 3.2,3.2b ¶610385222
DJA II 28 18 53 30.7–.50 8S–9.0 118E–3.0 177–7 3.5b,3.4
ISC Event type ke.
IDC III 03 04 56 28.7–2.1 9.10S 118.54E 0 3.7L,3.6
¶610545430
IDC Error ellipse: s-maj=57.1km s-min=24.4km az=67.0.
ISC III 07 11 44 34.5–1.1 9.9S–.10 118.42E–.08 37 13 1-65
IDC III 07 11 44 28.5–2.8 9.93S 118.38E 0 3.4b,3.3 ¶610545732
DJA III 07 11 44 33.3–.50 10S–7.0 118E–3.0 10 4.3b,4.1
ISC Event type ke.
DJA III 08 07 25 25.5–.70 9S–6.0 117E–2.0 34–10 5.0b,4.3
¶615345824
ISC III 10 12 39 49.0–.95 8.68S–.09 118.31E–.05 150 17 1-64
IDC III 10 12 39 33.2–3.3 8.74S 117.71E 0 3.6L,3.3 ¶610545956
DJA III 10 12 39 50.0–.40 9S–6.0 118E–2.0 116–6 4.1b,4.0
ISC Event type ke.
DJA III 10 17 31 51.9–.30 8S–4.0 118E–3.0 10 4.1b,3.7
¶615345839
ISC III 13 02 23 12.3–.76 9.24S–.07 118.71E–.05 100 36 1-58
DJA III 13 02 23 12.1–.20 9S–3.0 119E–2.0 60–10 5.0b,4.7b ¶610326139
IDC III 13 02 23 18.6–4.3 8.84S 119.26E 144–35 4.2,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=64.1km s-min=15.7km az=60.0.
ISC III 20 03 36 52.2–.90 9.11S–.07 118.93E–.05 102 3.7b 20 1-69
DJA III 20 03 36 52.8–1.8 9S–5.0 119E–3.0 28–19 5.5b,5.0 ¶610543299
IDC III 20 03 36 54.6–7.0 8.94S 119.01E 122–60 3.6,3.3b
ISC Event type ke.
IDC Error ellipse: s-maj=98.4km s-min=16.8km az=65.0.
ISC III 21 14 33 49.8–.58 8.28S–.05 117.52E–.05 10 3.9b 45 1-82
IDC III 21 14 33 49.0–1.4 8.27S 117.57E 0 3.8,3.7b ¶610543409
DJA III 21 14 33 50.6–.20 8S–2.0 118E–2.0 10 5.2b,4.6
NEIC III 21 14 33 52.4–1.2 8.32S–.09 117.54E–.03 31–8 4.0b,4.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DJA III 22 17 03 22.9–1.8 9S–5.0 119E–3.0 27–18 3.9b,3.7
¶615345965
DJA III 23 19 59 47.4–.40 8S–7.0 118E–3.0 189–5 3.6b,3.6
¶615345975
ISC III 29 13 48 26.0–1.1 9.4S–.10 118.09E–.06 50 20 1-64
IDC III 29 13 48 18.6–2.3 9.66S 117.86E 0 3.8L,3.5 ¶610543933
DJA III 29 13 48 27.1–.50 9S–6.0 118E–2.0 53–15 5.4b,4.8
ISC Event type ke.
DJA III 29 15 50 48.4–.50 9S–8.0 118E–3.0 133–6 4.1b,3.9
¶615346021
ISC III 31 22 41 43.5–1.1 8.32S–.05 117.52E–.06 10 12 1-63
DJA III 31 22 41 45.1–.90 8S–8.0 118E–3.0 17–10 3.9,3.9 ¶610544077
IDC III 31 22 42 03.3–7.4 8.24S 119.28E 97–70 3.7L,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=106.7km s-min=19.8km az=64.0.
ISC IV 05 17 51 43.2–1.0 8.4S–.20 116.25E–.05 103 19 1-63
IDC IV 05 17 51 29.8–3.7 8.49S 116.03E 0 3.3,3.2b ¶610652023
DJA IV 05 17 51 44.1–.40 8S–12 116E–3.0 94–7 4.6b,4.2
ISC Event type ke.
ISC IV 08 22 01 25.6–.47 8.62S–.04 118.33E–.04 150 3.9b 68 1-118
NEIC IV 08 22 01 24.4–1.9 8.59S–.06 118.32E–.06 132–8 4.2b ¶610652259
DJA IV 08 22 01 25.1–.30 9S–3.0 118E–2.0 110–6 3.6b,4.3b
IDC IV 08 22 01 26.8–1.8 8.47S 118.60E 155–15 4.0,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.4km s-min=3.9km az=137.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=21.9km s-min=9.1km az=58.0.
ISC IV 09 06 48 16.1–1.5 9.7S–.10 116.18E–.04 67–14 3.8b 29 1-69
IDC IV 09 06 48 06.5–1.6 9.91S 115.68E 0 3.7,3.6b ¶610652282
DJA IV 09 06 48 17.6–.50 10S–5.0 116E–2.0 60 4.3b,4.2
ISC Event type ke.
ISC IV 12 21 20 12.7–.72 9.31S–.05 118.95E–.04 100 3.9b 32 1-69
IDC IV 12 21 20 13.8–7.2 9.16S 119.02E 93–62 3.6,3.4b ¶610652582
DJA IV 12 21 20 13.2–1.2 9S–4.0 119E–2.0 31–16 4.3,4.3
ISC Event type ke.
ISC IV 16 12 48 56.3–.41 8.73S–.05 118.97E–.05 100 4.0b 91 1-145
NEIC IV 16 12 48 57.4–2.7 8.72S–.08 118.84E–.07 112–8 4.2b ¶610528747
DJA IV 16 12 48 58.4–.20 9S–2.0 119E–2.0 112–4 5.2b,4.8
IDC IV 16 12 49 00.8–1.8 8.54S 119.23E 150–16 4.0,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=10.2km az=197.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=22.1km s-min=8.8km az=58.0.
DJA IV 18 10 29 58.8–.40 9S–4.0 119E–2.0 88–7 4.0b,3.8
¶615346205
ISC IV 21 09 16 44.5–.48 8.91S–.05 118.17E–.05 121 3.8b 76 0-144
NEIC IV 21 09 16 44.3–1.7 8.87S–.08 118.05E–.08 110–6 4.0b ¶610653185
DJA IV 21 09 16 45.3–.30 9S–5.0 118E–2.0 103–4 4.4b,4.4
IDC IV 21 09 16 46.6–2.9 8.74S 118.15E 137–24 4.0,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=11.2km az=203.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=30.1km s-min=10.8km az=62.0.
ISC IV 21 15 06 51.2–.34 8.69S–.04 118.83E–.05 150 4.2b 139 1-146
NEIC IV 21 15 06 49.5–2.4 8.66S–.07 118.80E–.07 131–7 4.2b ¶610546886
DJA IV 21 15 06 50.6–.20 9S–3.0 119E–2.0 106–4 5.7,5.5
IDC IV 21 15 06 51.9–1.7 8.54S 118.90E 145–14 4.2,4.0s
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.0km s-min=9.6km az=202.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=19.9km s-min=9.6km az=68.0.
ISC IV 21 16 09 25.6–.66 9.15S–.05 118.69E–.05 100 3.8b 32 1-64
DJA IV 21 16 09 26.4–.30 9S–3.0 119E–2.0 71–6 4.7b,4.5 ¶610630845
IDC IV 21 16 09 28.4–4.0 8.99S 118.85E 121–32 3.7,3.4b
ISC Event type ke.
IDC Error ellipse: s-maj=43.1km s-min=12.0km az=56.0.
DJA IV 23 08 44 50.2–.90 10S–7.0 117E–3.0 10 3.8,3.7
¶615346234
ISC IV 24 23 04 03.6–.63 9.19S–.06 118.63E–.05 100 3.6b 40 1-72
DJA IV 24 23 04 03.7–.30 9S–4.0 119E–2.0 74–7 4.5,4.5 ¶610649933
IDC IV 24 23 04 07.6–3.2 8.98S 118.97E 128–27 3.8,3.4b
ISC Event type ke.
IDC Error ellipse: s-maj=39.1km s-min=11.9km az=60.0.
IDC IV 26 04 35 31.1–6.2 8.54S 118.54E 180–78 3.3,2.9b
¶610650033
IDC Error ellipse: s-maj=203.5km s-min=18.1km az=46.0.
ISC V 06 22 10 39.8–.59 8.60S–.05 118.37E–.06 150 3.8b 44 1-118
DJA V 06 22 10 38.8–.20 9S–4.0 118E–2.0 138–5 5.4b,4.9 ¶610689688
IDC V 06 22 10 40.8–2.7 8.50S 118.58E 151–20 3.6,3.2b
ISC Event type ke.
IDC Error ellipse: s-maj=34.9km s-min=11.1km az=54.0.
ISC V 07 13 21 13.0–.98 9.0S–.10 117.32E–.05 150 15 0-64
IDC V 07 13 20 52.9–4.1 9.48S 115.87E 0 3.1,3.0b ¶610689726
DJA V 07 13 21 14.4–.50 9S–9.0 117E–3.0 136–5 4.7b,4.1
ISC Event type ke.
ISC V 11 21 58 11.1–.33 8.39S–.04 117.66E–.05 169 4.4b 148 0-147
DJA V 11 21 58 10.5–.10 9S–2.0 118E–1.0 164–2 5.3b,4.9 ¶610690085
IDC V 11 21 58 12.0–1.3 8.30S 117.71E 176–11 4.5,4.0b
NEIC V 11 21 58 11.4–1.8 8.39S–.05 117.67E–.06 169–7 4.6b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 12 07 47 12.3–.73 8.57S–.06 118.32E–.05 150 3.5b 30 1-73
DJA V 12 07 47 12.7–.40 9S–4.0 118E–3.0 114–4 3.7,3.7 ¶610690105
IDC V 12 07 47 13.0–3.2 8.50S 118.43E 148–33 3.7,3.3b
ISC Event type ke.
IDC Error ellipse: s-maj=36.9km s-min=15.6km az=46.0.
ISC V 15 22 39 34.8–.86 8.19S–.08 118.18E–.07 200 28 1-63
IDC V 15 22 39 11.1–2.0 9.08S 116.60E 0 3.5L,3.4 ¶610690364
DJA V 15 22 39 34.8–.40 8S–6.0 118E–3.0 177–5 4.0b,3.9
ISC Event type ke.
ISC V 20 15 42 49.3–.77 8.37S–.07 118.96E–.05 150 3.9b 24 1-118
DJA V 20 15 42 50.4–.40 8S–5.0 119E–2.0 160–5 5.4b,4.8 ¶610685036
IDC V 20 15 42 55.5–9.3 8.37S 118.99E 220–91 3.9,3.4b
ISC Event type ke.
IDC Error ellipse: s-maj=57.1km s-min=25.3km az=73.0.
DJA V 29 04 26 38.3–1.0 9S–8.0 118E–3.0 27–7 3.9b,3.7
¶615346688
ISC V 30 18 45 49.4–1.0 9.53S–.08 117.78E–.05 35 3.8b 20 1-69
IDC V 30 18 45 41.0–1.4 9.69S 117.10E 0 3.7,3.7b ¶610685735
DJA V 30 18 45 50.3–1.6 10S–9.0 118E–3.0 19–11 4.2,4.2
ISC Event type ke.
DJA VI 09 21 25 42.1–.80 9S–7.0 117E–2.0 33–12 3.8b,3.7
¶615347520
ISC VI 10 18 50 46.7–.54 9.58S–.05 117.55E–.07 71 3.9b 56 1-81
NEIC VI 10 18 50 47.7–1.9 9.53S–.07 117.53E–.08 72–9 4.1b ¶610791606
IDC VI 10 18 50 47.0–6.4 9.49S 117.36E 69–55 3.8,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=10.2km az=225.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=57.0km s-min=17.9km az=72.0.
ISC VI 11 05 50 30.0–1.1 8.38S–.07 118.06E–.05 10 12 1-32
DJA VI 11 05 50 31.7–.50 8S–5.0 118E–3.0 18–6 4.3W,4.1 ¶610791640
IDC VI 11 05 50 40.6–15 9.63S 118.62E 0 3.6,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=298.0km s-min=160.8km az=5.0.
ISC VI 15 12 38 22.3–.39 8.62S–.04 118.39E–.04 152 4.1b 128 1-145
NEIC VI 15 12 38 20.9–2.6 8.57S–.07 118.30E–.07 139–7 4.4b ¶610791940
DJA VI 15 12 38 21.4–.10 9S–2.0 118E–1.0 118–3 5.3b,4.7
IDC VI 15 12 38 23.4–1.6 8.49S 118.63E 153–13 4.1,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=9.8km az=201.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=19.7km s-min=8.3km az=62.0.
ISC VI 15 22 00 02.0–.96 8.66S–.09 118.34E–.05 152 23 1-32
DJA VI 15 22 00 03.2–.40 9S–5.0 118E–2.0 118–6 4.8b,4.3b ¶610791964
IDC VI 15 22 00 07.5–3.2 8.05S 118.73E 224–94 3.6,3.1b
ISC Event type ke.

IDC Error ellipse: s-maj=98.4km s-min=51.0km az=6.0.
DJA VI 23 07 43 07.9–.60 9S–12 117E–3.0 10 4.7b,4.0
¶615350408
ISC VI 23 14 34 54.8–.53 8.15S–.05 117.72E–.05 35 4.0b 52 1-88
IDC VI 23 14 34 50.1–.88 8.21S 117.62E 0 4.3L,3.9 ¶610789344
DJA VI 23 14 34 52.7–.20 8S–2.0 118E–2.0 10 4.5b,4.4
NEIC VI 23 14 34 54.8–2.2 7.98S–.09 117.65E–.07 38–13 4.5b,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 25 08 58 30.7–1.1 9.39S–.07 117.78E–.04 10 22 1-69
IDC VI 25 08 58 34.4–1.8 9.44S 118.94E 0 3.6,3.5b ¶610789435
DJA VI 25 08 58 34.1–.50 9S–5.0 118E–2.0 35–9 4.7b,4.4
ISC Event type ke.
DJA VI 27 12 14 18.1–.40 10S–6.0 118E–3.0 55–15 4.9b,4.2
¶615350453
ISC VI 28 16 21 39.5–.84 8.10S–.08 118.43E–.06 200 3.3b 29 1-63
IDC VI 28 16 21 35.3–3.9 8.35S 117.91E 163–32 3.4,2.9b ¶610789653
DJA VI 28 16 21 40.4–.40 8S–6.0 118E–3.0 185–6 4.0b,3.9
ISC Event type ke.

(286) Flores region.

IDC I 04 02 30 32.0–12 8.88S 121.65E 181–120 4.0,3.6b
¶610236657
IDC Error ellipse: s-maj=174.1km s-min=81.7km az=33.0.
ISC I 11 06 57 25.1–1.1 8.3S–.10 120.91E–.05 200 17 1-65
IDC I 11 06 57 03.2–1.9 8.13S 120.48E 0 3.6,3.6b ¶610237131
DJA I 11 06 57 26.5–.60 8S–8.0 121E–2.0 172–13 3.9,3.9
ISC Event type ke.
ISC I 19 22 54 55.7–.38 8.17S–.04 119.77E–.04 183–3 4.8b 367 2-154
BJI I 19 22 54 54.0–.00 8.20S 119.80E 177 4.8b,4.7b ¶610102433
DJA I 19 22 54 55.9–.10 8S–2.0 120E–1.0 174–2 5.3b,5.3
NEIC I 19 22 54 56.1–2.0 8.15S–.07 119.74E–.07 180–5 4.9b,5.3
IDC I 19 22 54 57.3–.80 8.01S 119.77E 198–6 4.8,4.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=8.3km az=222.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=11.8km s-min=6.7km az=62.0.
ISC I 23 20 58 38.6–.92 8.23S–.10 122.80E–.09 200 23 1-66
IDC I 23 20 58 36.3–3.9 7.71S 123.35E 180–41 3.7,3.1b ¶610235223
DJA I 23 20 58 37.2–.50 8S–8.0 123E–4.0 204–6 3.6b,3.6
ISC Event type ke.
IDC I 26 22 19 29.0–2.2 8.73S 119.81E 0 3.2,3.2b
¶610235418
IDC Error ellipse: s-maj=82.8km s-min=24.4km az=64.0.
ISC II 03 10 29 49.6–.39 8.25S–.03 119.69E–.03 179–3 4.9b 805 2-157
NEIC II 03 10 29 49.4–2.4 8.13S–.06 119.67E–.06 168–4 5.1b ¶610186357
BJI II 03 10 29 49.0–.00 8.30S 119.70E 180 5.1b,5.0b
DJA II 03 10 29 50.6–.10 8S–1.0 120E–1.0 177–2 5.5,5.3b
IDC II 03 10 29 50.8–.73 8.12S 119.78E 188–6 5.0,4.5b
GCMT II 03 10 29 51.4–.30 8.41S–.02 119.78E–.03 183–3 5.0W,4.5b
SJA II 03 10 29 58.5–2.5 8.21S 119.70E 185 4.9W,4.5b
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s83.47652°,δ75.04088°,λ-49.90771°. NP2: ϕ_s190.52324°,δ42.34672°,λ-157.46793°. Principal axes: T Plg19.8820°,Azm144.5128° ; N Plg38.4766°,Azm251.2164°; P Plg44.8405°,Azm33.4352°
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=8.6km az=222.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=10.0km s-min=5.3km az=57.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s19,c21; s88,c119;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-1.69±.16 $M_{\theta\theta}$-0.10±.20; $M_{\phi\phi}$1.79±.23; $M_{r\theta}$-3.02±.12; $M_{\theta\phi}$2.12±.14; $M_{\phi r}$1.03±.14; Best double couple: NP1:ϕ_s72.00000°,δ70.00000°,λ-46.00000°. NP2:ϕ_s182.00000°,δ47.00000°,λ-152.00000°. Principal axes: T 3.3650,Plg14.0000° ,Azm132.0000°; N 1.3550,Plg40.0000°,Azm235.0000°; P -4.7180,Plg46.0000°,Azm27.0000° $M_0$4.04200×10^{16}
SJA Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0. Hypocentre not reviewed by the ISC.
ISC II 03 10 47 39.2–.39 8.52S–.04 121.68E–.04 200 4.0b 116 1-101
DJA II 03 10 47 38.6–.20 9S–3.0 122E–2.0 171–4 5.3b,5.0b ¶610414732
NEIC II 03 10 47 38.2–2.5 8.46S–.08 121.70E–.07 182–5 4.5b,5.0b
IDC II 03 10 47 38.5–.76 8.32S 121.85E 186–7 4.4,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.9km s-min=8.3km az=212.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=19.2km s-min=7.6km az=59.0.
ISC II 10 11 26 15.6–.70 8.19S–.07 123.83E–.08 200 4.2b 43 2-66
NEIC II 10 11 26 14.9–2.3 8.11S–.07 123.96E–.10 180–6 4.2b ¶610415231
IDC II 10 11 26 15.6–4.9 8.10S 123.97E 154–57 4.0,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.2km s-min=7.3km az=58.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=87.7km s-min=24.0km az=41.0.
ISC II 13 07 21 05.9–1.4 8.5S–.10 120.63E–.06 150 12 2-30
IDC II 13 07 20 43.2–13 8.34S 119.76E 0 3.7,3.7b ¶610415433
DJA II 13 07 21 07.3–.70 8S–10 121E–3.0 165–15 3.8,3.8
ISC Event type ke.
ISC II 14 12 00 20.0–.46 8.81S–.05 120.45E–.06 150 4.2b 95 1-154
DJA II 14 12 00 18.9–.20 9S–3.0 120E–2.0 128–4 5.2b,4.6 ¶610415501
NEIC II 14 12 00 19.1–1.5 8.63S–.08 120.39E–.09 134–8 4.1b,4.6
IDC II 14 12 00 21.3–1.6 8.68S 120.60E 144–15 4.1,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=9.8km az=47.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=41.9km s-min=10.6km az=64.0.
ISC II 17 17 12 39.5–1.4 8.1S–.10 124.0E–.10 150 12 2-66
DJA II 17 17 12 39.6–.80 8S–10 124E–5.0 166–7 4.5b,4.0b ¶610415712
IDC II 17 17 12 40.6–3.5 8.15S 124.04E 162–35 3.6s,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=79.8km s-min=18.0km az=61.0.
IDC II 17 17 38 21.4–1.5 8.08S 119.12E 0 3.5,3.5b
¶610415715
IDC Error ellipse: s-maj=35.7km s-min=16.9km az=75.0.
ISC II 18 09 29 08.6–1.1 8.9S–.10 123.80E–.09 100 20 1-67
IDC II 18 09 28 57.6–1.8 8.33S 124.44E 0 4.0L,3.8 ¶610415752
DJA II 18 09 29 08.8–.80 9S–4.0 124E–3.0 104–9 4.0b,3.8
ISC Event type ke.
ISC II 19 15 54 35.1–.52 8.29S–.05 120.05E–.04 172 4.4b 92 2-154
DJA II 19 15 54 36.9–.30 8S–3.0 120E–2.0 186–5 5.2b,4.6 ¶610415825
NEIC II 19 15 54 36.8–1.5 8.26S–.07 120.01E–.08 185–6 4.4b,4.6
IDC II 19 15 54 39.2–1.2 8.11S 120.44E 220–10 4.0,3.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.3km s-min=7.7km az=47.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=28.5km s-min=10.0km az=52.0.
ISC II 21 07 37 06.6–1.1 9.0S–.10 123.8E–.10 150 12 1-67
DJA II 21 07 37 06.0–.40 9S–5.0 124E–4.0 133–6 5.0b,4.3 ¶615345695
IDC II 21 07 37 17.6–6.2 7.98S 125.98E 250–68 3.6,3.1b
ISC Event type ke.
IDC Error ellipse: s-maj=132.1km s-min=21.5km az=63.0.
ISC II 27 14 29 28.6–.75 8.70S–.05 119.12E–.04 156 3.5b 35 1-69
IDC II 27 14 29 26.8–4.9 8.72S 118.80E 124–40 3.5,3.1b ¶610385131
DJA II 27 14 29 28.9–.90 9S–2.0 119E–2.0 25–7 4.8b,4.3b
ISC Event type ke.
DJA III 02 00 13 29.2–.60 9S–6.0 120E–2.0 128–11 4.9b,4.2
¶615345789
IDC III 04 05 46 44.7–2.2 8.02S 122.78E 0 3.6L,3.4

¶610545498
IDC Error ellipse: s-maj=272.8km s-min=31.1km az=56.0.
ISC III 07 10 32 42.3–.96 8.55S–.08 120.58E–.09 200 15 2-69
DJA III 07 10 32 42.0–.30 8S–3.0 121E–3.0 10 4.4b,4.1 ¶610545727
IDC III 07 10 32 45.0–2.5 7.90S 121.22E 203–18 3.6,3.3b
ISC Event type ke.
IDC Error ellipse: s-maj=182.2km s-min=14.9km az=56.0.
ISC III 07 21 46 02.8–.83 8.19S–.05 120.28E–.06 10 3.9b 17 2-69
IDC III 07 21 45 59.1–1.5 8.64S 119.51E 0 3.8b,3.7 ¶610545760
DJA III 07 21 46 04.2–.30 8S–3.0 120E–3.0 10 4.3b,4.1
ISC Event type ke.
ISC III 09 09 45 34.9–.74 8.20S–.06 121.93E–.08 35 3.9b 24 1-69
IDC III 09 09 45 30.0–1.4 7.81S 122.48E 0 3.8b,3.7 ¶610545868
DJA III 09 09 45 32.1–.30 8S–4.0 122E–4.0 10 4.4b,4.0
ISC Event type ke.
ISC III 11 05 02 23.1–1.0 8.79S–.07 120.57E–.06 150 19 1-25
DJA III 11 05 02 22.5–.30 9S–4.0 121E–2.0 137–6 4.8b,4.1 ¶612489066
ISC Event type ke.
ISC III 12 15 02 55.2–1.1 8.34S–.07 119.49E–.06 150 11 2-31
IDC III 12 15 02 32.3–17 7.76S 118.97E 0 3.8b,3.7 ¶610546079
DJA III 12 15 02 55.7–.80 8S–5.0 119E–4.0 146–14 3.2,3.2
ISC Event type ke.
ISC III 12 21 23 48.3–1.1 8.53S–.09 122.55E–.10 150 12 0-66
IDC III 12 21 23 34.0–2.2 8.09S 122.59E 0 3.8L,3.4 ¶610546098
DJA III 12 21 23 49.3–.40 9S–6.0 123E–3.0 125–5 4.8b,4.2b
ISC Event type ke.
ISC III 14 17 49 15.4–.45 8.17S–.06 122.67E–.06 226 3.9b 66 1-122
NEIC III 14 17 49 14.6–2.2 8.08S–.10 122.66E–.08 207–5 4.0b ¶610546211
IDC III 14 17 49 16.4–3.0 8.16S 122.56E 231–27 4.0,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.2km s-min=9.9km az=210.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=52.1km s-min=10.7km az=60.0.
ISC III 16 02 06 12.6–1.1 8.02S–.06 119.23E–.07 34 12 2-64
IDC III 16 02 06 09.0–2.0 7.82S 118.62E 0 3.3,3.3b ¶610546285
DJA III 16 02 06 09.0–.40 8S–4.0 119E–5.0 10 3.4,3.4
ISC Event type ke.
ISC III 17 18 23 24.2–.35 8.49S–.04 121.22E–.05 200 4.5b 143 1-121
NEIC III 17 18 23 24.4–2.5 8.54S–.04 121.15E–.05 196–6 4.5b ¶610344597
DJA III 17 18 23 25.0–.20 9S–3.0 121E–2.0 193–3 5.2b,4.7
IDC III 17 18 23 26.5–.68 8.13S 121.50E 225–6 4.4,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=8.0km s-min=3.7km az=123.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=32.5km s-min=8.9km az=61.0.
ISC III 29 01 28 38.5–.99 8.3S–.10 121.4E–.20 200 3.7b 10 4-121
IDC III 29 01 28 40.6–1.9 8.16S 121.37E 221–20 4.0,3.3b ¶610543886
ISC Event type ke.
IDC Error ellipse: s-maj=50.0km s-min=12.5km az=58.0.
ISC III 31 19 25 30.3–1.6 8.1S–.40 120.1E–.60 200 3.5b 8 18-69
IDC III 31 19 25 22.6–21 8.27S 119.60E 127–207 3.8L,3.7 ¶610544072
ISC Event type ke.
IDC Error ellipse: s-maj=188.0km s-min=39.2km az=65.0.
ISC IV 01 02 05 31.9–.45 8.96S–.07 123.95E–.06 100 4.3b 77 1-145
DJA IV 01 02 05 33.2–.30 9S–3.0 124E–3.0 103–4 5.2b,4.5 ¶610651671
IDC IV 01 02 05 33.8–3.1 8.88S 124.16E 115–28 4.2,3.8b
NEIC IV 01 02 05 33.0–1.4 9.2S–.10 123.92E–.09 126–9 4.4b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 04 20 09 42.4–1.0 8.26S–.07 122.46E–.09 10 11 0-65
IDC IV 04 20 09 40.7–2.1 7.61S 123.24E 0 3.2b,3.1 ¶610651946
DJA IV 04 20 09 43.7–.40 8S–3.0 122E–3.0 10 3.6b,3.5
ISC Event type ke.
IDC IV 07 13 48 44.6–4.2 8.34S 120.00E 199–91 3.9,3.4b
¶610652160
IDC Error ellipse: s-maj=131.3km s-min=59.0km az=28.0.
ISC IV 13 15 16 13.2–1.6 8.3S–.10 119.8E–.20 200 12 2-64
IDC IV 13 15 15 51.6–2.9 8.41S 118.97E 0 3.4L,3.2 ¶610652643
ISC Event type ke.
IDC Error ellipse: s-maj=253.0km s-min=29.0km az=51.0.
ISC IV 15 09 28 19.9–.34 8.16S–.05 123.91E–.06 150 4.4b 119 2-153
DJA IV 15 09 28 21.2–.20 8S–4.0 124E–3.0 169–3 5.3b,4.8b ¶610528581
NEIC IV 15 09 28 21.5–1.7 8.15S–.07 123.93E–.07 164–7 4.4b,4.8b
IDC IV 15 09 28 22.0–2.3 8.09S 123.91E 170–21 4.4,3.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.3km s-min=8.6km az=47.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=20.7km s-min=10.7km az=65.0.
ISC IV 18 05 54 03.9–1.0 8.1S–.10 122.8E–.10 200 12 1-65
IDC IV 18 05 53 56.6–5.8 7.95S 122.72E 130–55 3.8,3.4b ¶610652968
DJA IV 18 05 54 04.7–.60 8S–7.0 123E–4.0 217–8 4.8b,3.9
ISC Event type ke.
DJA IV 18 16 39 35.0–.40 8S–5.0 123E–3.0 202–4 3.9b,3.6
¶615346204
ISC IV 20 18 13 28.6–.69 8.68S–.05 122.49E–.06 138–6 4.2b 75 0-72
NEIC IV 20 18 13 28.8–3.0 8.74S–.06 122.40E–.07 138–7 4.3b ¶610544437
DJA IV 20 18 13 29.3–.40 9S–4.0 122E–3.0 121–5 4.8b,4.1b
IDC IV 20 18 13 29.8–1.8 8.51S 122.45E 155–16 4.1,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=7.6km az=114.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=44.1km s-min=13.2km az=65.0.
ISC IV 21 22 50 13.3–.45 8.37S–.04 119.76E–.04 172 4.2b 94 2-119
NEIC IV 21 22 50 14.2–1.7 8.31S–.06 119.73E–.06 184–9 4.3b ¶610547196
DJA IV 21 22 50 14.5–.30 8S–3.0 120E–2.0 179–5 4.2,4.2
IDC IV 21 22 50 15.3–1.9 8.25S 119.81E 200–15 4.3,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=7.2km az=126.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=39.9km s-min=11.2km az=62.0.
ISC IV 22 08 02 44.7–1.1 8.2S–.10 122.9E–.10 200 20 1-66
IDC IV 22 08 02 42.6–5.7 8.15S 122.73E 175–56 3.8,3.2b ¶610653249
ISC Event type ke.
IDC Error ellipse: s-maj=233.8km s-min=17.4km az=57.0.
ISC IV 26 11 37 28.0–.83 8.22S–.06 120.47E–.05 150 24 2-64
IDC IV 26 11 37 07.3–2.4 8.09S 119.84E 0 3.8L,3.6 ¶610650054
DJA IV 26 11 37 29.2–.50 8S–4.0 120E–2.0 172–8 4.2b,4.1
ISC Event type ke.
ISC IV 28 05 00 39.4–.53 8.95S–.05 123.12E–.05 114–5 4.3b 69 1-145
DJA IV 28 05 00 38.0–.30 9S–3.0 123E–2.0 119–5 5.3b,4.7 ¶610575527
IDC IV 28 05 00 39.9–2.5 8.73S 123.24E 117–22 4.2,3.9b
NEIC IV 28 05 00 39.8–1.9 9.0S–.10 122.99E–.07 114–8 4.4b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 29 15 30 51.3–.54 8.32S–.05 119.68E–.05 200 4.1b 71 2-120
NEIC IV 29 15 30 51.7–1.4 8.34S–.07 119.71E–.10 185–14 4.1b ¶610650325
DJA IV 29 15 30 52.0–.50 8S–4.0 120E–3.0 165–9 3.9,3.9
IDC IV 29 15 30 52.5–1.4 8.16S 119.91E 206–11 4.0,3.5s
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.7km s-min=10.7km az=83.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=30.1km s-min=8.4km az=58.0.
ISC V 01 05 36 56.5–.28 8.41S–.04 121.00E–.04 200 4.6b 203 1-170

DJA V 01 05 36 56.2–.20 9S–2.0 121E–1.0 191–2 5.3b,4.8 **¶610589584**
NEIC V 01 05 36 56.5–2.3 8.37S–.07 120.96E–.07 188–4 4.6b,4.8
IDC V 01 05 36 59.0–1.7 8.06S 121.37E 216–16 4.5,3.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=8.8km az=45.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=26.0km s-min=9.5km az=62.0.
DJA V 02 04 19 31.1–.60 9S–6.0 124E–4.0 108–10 5.4b,4.9 ¶615346323
DJA V 08 23 37 37.6–.60 9S–8.0 122E–4.0 131–6 3.8b,3.6 ¶615346363
IDC V 09 21 44 46.4–2.0 8.19S 123.31E 0 3.5,3.5b ¶610689916
IDC Error ellipse: s-maj=208.1km s-min=31.2km az=57.0.
ISC V 13 16 58 18.9–.87 8.27S–.08 123.94E–.09 200 27 2-66
DJA V 13 16 58 17.3–.60 8S–7.0 124E–5.0 171–6 4.7b,4.0b **¶610690205**
NEIC V 13 16 58 19.6–1.4 8.3S–.20 123.9E–.10 178–10 4.1b,4.0b
IDC V 13 16 58 23.1–4.8 8.06S 124.31E 217–49 4.0,3.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=28.4km s-min=13.5km az=199.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=62.9km s-min=14.6km az=63.0.
ISC V 18 07 41 19.3–1.3 8.34S–.09 123.3E–.10 100 10 1-66
IDC V 18 07 41 17.2–1.8 8.04S 124.17E 0 3.6,3.6b **¶610690560**
DJA V 18 07 41 17.7–.60 8S–6.0 123E–4.0 108–9 5.4b,4.8
ISC Event type ke.
ISC V 19 15 28 35.5–.77 8.29S–.06 119.90E–.06 200 30 1-64
DJA V 19 15 28 36.2–1.1 8S–5.0 120E–6.0 168–15 3.4,3.4 **¶610690680**
IDC V 19 15 28 38.5–1.9 7.66S 120.68E 225–20 3.6,3.1b
ISC Event type ke.
IDC Error ellipse: s-maj=89.3km s-min=13.6km az=53.0.
ISC V 25 22 29 05.7–1.1 8.36S–.07 119.87E–.08 200 13 1-64
DJA V 25 22 29 07.2–.60 8S–5.0 120E–5.0 164–7 3.9b,3.6 **¶610685393**
IDC V 25 22 29 10.2–4.0 7.70S 120.50E 233–33 3.2,2.6b
ISC Event type ke.
IDC Error ellipse: s-maj=210.3km s-min=17.4km az=56.0.
ISC VI 01 18 44 30.2–.36 8.26S–.04 121.67E–.04 35 4.6b,3.5s 182 1-121
BJI VI 01 18 44 23.1–.00 8.61S 122.24E 27 4.8b,4.6b **¶610657919**
DJA VI 01 18 44 29.5–.50 8S–2.0 122E–1.0 27–5 5.8,5.7
NEIC VI 01 18 44 30.1–1.6 8.23S–.07 121.64E–.07 33–6 4.6b,5.7
IDC VI 01 18 44 30.8–2.4 8.18S 121.64E 43–23 4.3,4.3L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.3km s-min=6.9km az=46.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=31.6km s-min=11.2km az=70.0.
ISC VI 03 06 03 51.3–1.1 8.86S–.06 119.45E–.05 100 13 2-20
DJA VI 03 06 03 54.3–1.2 9S–3.0 119E–2.0 31–14 3.1,3.1 **¶610791154**
IDC VI 03 06 04 01.1–3.4 11.03S 120.17E 0 3.7b,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=263.0km s-min=31.9km az=49.0.
ISC VI 05 04 41 02.4–.49 8.16S–.04 119.73E–.05 200 4.3b 90 2-134
NEIC VI 05 04 41 03.0–2.2 8.11S–.08 119.69E–.08 206–8 4.2b **¶610791265**
DJA VI 05 04 41 03.1–.40 8S–3.0 120E–2.0 177–5 5.0b,4.4
IDC VI 05 04 41 04.2–1.5 7.96S 119.84E 208–14 4.3,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.6km s-min=9.9km az=219.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=42.4km s-min=10.0km az=65.0.
ISC VI 07 19 41 39.6–1.4 8.15S–.04 119.19E–.04 24–12 4.2b 53 2-64
IDC VI 07 19 41 38.3–1.7 8.18S 119.27E 0 3.9,3.9b **¶610791416**
NEIC VI 07 19 41 41.5–2.0 8.27S–.09 119.14E–.03 35–2 4.2b,3.9b
DJA VI 07 19 41 42.8–1.0 8S–3.0 119E–2.0 39–28 4.3b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 10 02 42 42.5–1.2 8.7S–.10 123.27E–.09 200 11 1-66
IDC VI 10 02 42 24.6–1.9 7.56S 123.81E 0 3.8b,3.5 **¶610791568**
DJA VI 10 02 42 42.0–1.2 9S–6.0 123E–3.0 173–10 3.2,3.2
ISC Event type ke.
ISC VI 12 11 35 04.8–.69 8.76S–.05 119.21E–.04 142–7 4.1b 91 1-119
NEIC VI 12 11 35 04.9–2.5 8.71S–.09 119.15E–.06 141–9 4.1b **¶610791721**
DJA VI 12 11 35 04.9–.20 9S–3.0 119E–2.0 139–3 5.2b,4.6
IDC VI 12 11 35 07.5–2.9 8.51S 119.51E 165–24 4.1,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=8.9km az=188.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=70.4km s-min=13.1km az=58.0.
ISC VI 13 01 40 05.5–.71 8.78S–.06 119.07E–.04 100 30 1-118
DJA VI 13 01 40 07.3–.40 9S–5.0 119E–3.0 95–10 4.2,4.1 **¶610791751**
IDC VI 13 01 40 09.5–2.0 8.54S 119.30E 154–19 3.6,3.1b
ISC Event type ke.
IDC Error ellipse: s-maj=24.7km s-min=17.0km az=58.0.
IDC VI 15 08 10 47.3–8.2 8.95S 121.73E 0 4.4b,3.5 ¶610791926
IDC Error ellipse: s-maj=181.4km s-min=94.4km az=32.0.
IDC VI 17 05 56 29.2–11 8.87S 122.02E 274–140 3.1,2.7b ¶610792047
IDC Error ellipse: s-maj=165.5km s-min=44.2km az=49.0.
DJA VI 18 20 11 23.5–.30 8S–4.0 123E–2.0 117–9 4.2b,3.8 ¶615348261
ISC VI 21 13 08 11.2–.70 8.24S–.06 123.93E–.06 170 3.6b 25 2-68
IDC VI 21 13 08 11.6–1.2 8.16S 124.09E 167–12 3.9,3.3b **¶610789213**
DJA VI 21 13 08 11.7–.40 8S–5.0 124E–2.0 169–4 5.0b,4.3
ISC Event type ke.
IDC VI 27 03 03 00.1–5.5 8.11S 123.88E 165–65 3.5,3.1b ¶610789536
IDC Error ellipse: s-maj=120.4km s-min=30.6km az=48.0.
ISC VI 28 09 38 57.9–1.8 8.8S–.20 123.2E–.10 100 11 1-66
IDC VI 28 09 38 52.2–1.8 8.07S 123.95E 0 3.7L,3.6 **¶610789630**
DJA VI 28 09 39 04.7–.50 9S–10 123E–3.0 58–12 4.0b,3.8
ISC Event type ke.

(287) Sumba region.

ISC I 05 18 49 00.3–.48 10.42S–.05 119.31E–.04 35 4.4b,2.9s 86 1-79
IDC I 05 18 48 54.3–1.1 10.55S 119.08E 0 4.3,4.3b **¶610236788**
DJA I 05 18 48 59.2–.30 11S–4.0 119E–3.0 53–24 5.4b,4.8
NEIC I 05 18 49 00.6–1.4 10.36S–.05 119.30E–.06 35–1 4.3b,4.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 07 09 11 59.6–.26 9.35S–.03 120.14E–.03 83–2 5.5b 1073 1-169
IDC I 07 09 11 49.1–.30 9.21S 120.16E 0 5.6L,5.5 **¶610570499**
KLM I 07 09 11 54 9.04S 120.57E 26 5.7b,5.5
BJI I 07 09 11 58.0–.00 9.40S 120.20E 91 5.6b,5.3b
GCMT I 07 09 11 59.5–.20 9.37S–.01 120.19E–.01 97–1 5.2W,5.3b
NEIC I 07 09 11 59.5–2.3 9.32S–.07 120.21E–.06 76–4 5.6b,5.2
DJA I 07 09 11 59.6–.10 10S–1.0 120E–1.0 82–2 5.9,5.9b
MOS I 07 09 12 01.0–1.0 9.20S 120.21E 111 5.5b,5.9b
NEIC I 07 09 12 04 9.46S 120.20E 60 5.5b,5.9b
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s272.06189°,δ56.45408°,λ-96.85582°. NP2: ϕ_s104.33651°,δ34.15888°,λ-79.79399°. Principal axes: T Plg11.2078°,Azm6.9983° ; N Plg5.7098°,Azm275.8630°; P Plg77.3878°,Azm159.3206°
IDC Error ellipse: s-maj=12.2km s-min=8.6km az=66.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s99,c145; s119,c200;Duration: 1§0 Moment tensor: Scale 10^{16}Nm; M_{rr}-4.28±.17 $M_{\theta\theta}$6.33±.19; $M_{\phi\phi}$-2.06±.23; $M_{r\theta}$3.97±.11; $M_{\theta\phi}$4.08±.14; $M_{\phi r}$1.79±.13; Best double couple: NP1:ϕ_s244.00000°,δ63.00000°,λ-95.00000°. NP2:ϕ_s75.00000°,δ28.00000°,λ-81.00000°. Principal axes: T 9.3740,Plg18.0000° ,Azm338.0000°; N -3.7050,Plg4.0000°,Azm246.0000°; P -5.6800,Plg72.0000° ,Azm143.0000° $M_0$7.52700×10^{16}
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=8.1km az=206.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=8.7km s-min=4.5km az=119.0.
NEIC Event type se. Moment Tensor Solution.Duration: 10§0 Moment tensor: Scale 10^{16}Nm; M_{rr}-5.19 $M_{\theta\theta}$3.52 $M_{\phi\phi}$1.67 $M_{r\theta}$4.92 $M_{\theta\phi}$2.97 $M_{\phi r}$2.17 NP1:ϕ_s43.00000°,δ24.00000° ,λ-107.00000°. NP2:ϕ_s243.00000°,δ67.00000°,λ-82.00000°. Principal axes: T 7.8452,Plg22.0000°,Azm327.0000°; N -0.3692,Plg7.0000°,Azm60.0000° ; P -7.4759,Plg67.0000°,Azm167.0000° $M_0$7.67000×10^{16}
IDC I 20 07 57 09.8–2.3 9.95S 119.86E 0 3.3,3.3b ¶610234923
IDC Error ellipse: s-maj=84.1km s-min=25.0km az=63.0.
ISC I 31 22 23 19.3–.85 9.44S–.08 120.58E–.07 100 3.7b 16 2-70
IDC I 31 22 23 20.4–4.2 9.27S 120.66E 97–34 3.8,3.5b **¶610235847**
ISC Event type ke.
IDC Error ellipse: s-maj=67.7km s-min=11.2km az=52.0.
IDC II 04 20 19 14.0–15 9.63S 119.68E 0 4.0b,3.4 ¶610414844
IDC Error ellipse: s-maj=309.5km s-min=161.6km az=10.0.
IDC II 11 17 58 57.6–3.0 9.75S 119.59E 0 3.2b,3.1 ¶610415328
IDC Error ellipse: s-maj=253.9km s-min=29.8km az=50.0.
ISC II 24 10 29 20.7–.97 9.58S–.07 119.09E–.05 46 18 1-65
IDC II 24 10 29 12.6–2.4 9.91S 118.71E 0 3.4L,3.3b **¶610384928**
DJA II 24 10 29 22.1–1.4 10S–5.0 119E–2.0 34–23 4.9b,4.2b
ISC Event type ke.
IDC III 08 14 11 54.1–2.3 9.23S 120.05E 0 3.7,3.7b ¶610545813
IDC Error ellipse: s-maj=163.2km s-min=25.3km az=54.0.
ISC III 16 22 28 55.8–.73 9.21S–.05 120.70E–.07 100 3.7b 24 1-70
IDC III 16 22 28 55.9–6.2 9.22S 120.62E 111–49 4.3s,3.7 **¶610546339**
DJA III 16 22 28 56.4–.30 9S–3.0 121E–3.0 107–5 4.1b,3.8
ISC Event type ke.
ISC III 23 18 31 18.6–.89 9.76S–.07 119.63E–.05 10 17 1-65
IDC III 23 18 31 18.9–3.0 9.54S 120.16E 0 3.7L,3.6 **¶610543563**
DJA III 23 18 31 19.5–.30 10S–3.0 120E–2.0 10 5.9,5.8
ISC Event type ke.
ISC III 30 04 28 11.8–1.1 10.6S–.10 119.04E–.08 10 11 2-66
IDC III 30 04 28 11.2–2.7 10.02S 119.29E 0 3.6,3.6b **¶610543971**
DJA III 30 04 28 16.4–2.2 10S–8.0 119E–3.0 13–21 4.5b,4.4
ISC Event type ke.
ISC IV 14 15 37 01.5–.62 9.05S–.05 119.23E–.04 150 3.9b 37 1-70
DJA IV 14 15 36 59.8–.50 9S–4.0 119E–2.0 139–8 5.0b,4.3b **¶610652737**
IDC IV 14 15 37 02.1–2.7 8.87S 119.46E 135–21 4.0,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=37.2km s-min=10.7km az=56.0.
ISC IV 15 00 56 25.5–1.2 10.09S–.09 119.28E–.07 35 11 1-66
DJA IV 15 00 56 24.8–.60 10S–8.0 119E–4.0 10 3.5,3.5 **¶610652767**
IDC IV 15 00 56 36.6–6.5 9.57S 120.11E 147–60 3.2,3.0b
ISC Event type ke.
IDC Error ellipse: s-maj=129.4km s-min=21.3km az=60.0.
ISC IV 28 21 12 09.0–.99 9.19S–.06 119.59E–.05 100 19 1-65
IDC IV 28 21 11 58.1–2.3 9.54S 119.03E 0 3.7L,3.5 **¶610650256**
DJA IV 28 21 12 08.2–.30 9S–3.0 120E–2.0 112–7 4.3b,4.2
ISC Event type ke.
ISC V 19 15 10 00.0–.69 9.82S–.06 119.85E–.04 10 29 0-68
DJA V 19 15 10 00.9–.40 10S–5.0 120E–3.0 10 3.9,3.9 **¶610690677**
IDC V 19 15 10 02.8–1.8 9.42S 121.06E 0 3.8,3.8b
ISC Event type ke.
IDC Error ellipse: s-maj=101.9km s-min=19.6km az=58.0.
ISC V 28 00 17 26.4–1.1 10.08S–.07 119.32E–.05 35 21 0-66
IDC V 28 00 17 16.9–2.4 10.34S 118.59E 0 3.3,3.3b **¶610685524**
DJA V 28 00 17 26.2–.50 10S–4.0 119E–2.0 30–4 4.1b,3.9
ISC Event type ke.
ISC V 28 03 18 50.4–.52 9.71S–.05 119.66E–.06 50 4.3b 70 0-135
DJA V 28 03 18 50.0–.50 10S–2.0 120E–2.0 21–5 5.3b,4.8 **¶610685533**
NEIC V 28 03 18 51.6–1.9 9.67S–.09 119.58E–.08 61–10 4.2b,4.8
IDC V 28 03 18 52.9–4.4 9.61S 119.61E 68–37 4.3L,4.0
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.6km s-min=10.7km az=156.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=55.9km s-min=20.7km az=63.0.
ISC VI 08 10 46 59.6–.85 9.27S–.05 119.34E–.03 50 32 2-65
IDC VI 08 10 46 54.1–2.3 9.41S 118.96E 0 3.5,3.3L **¶610791462**
DJA VI 08 10 47 00.4–.30 9S–3.0 119E–2.0 49–22 4.0b,4.0
ISC Event type ke.
IDC VI 09 21 52 55.3–3.0 10.11S 120.63E 0 3.5b,3.4 ¶610791557
IDC Error ellipse: s-maj=262.8km s-min=31.9km az=51.0.
DJA VI 11 08 22 56.6–.30 10S–4.0 120E–3.0 68–11 4.2b,4.1 ¶615348155
ISC VI 15 07 08 45.5–.95 9.86S–.08 119.16E–.05 33 18 1-70
IDC VI 15 07 08 39.9–1.7 9.89S 119.07E 0 3.6,3.6L **¶610791918**
DJA VI 15 07 08 46.9–1.5 10S–6.0 119E–3.0 32–22 4.3b,4.2
ISC Event type ke.
ISC VI 23 00 53 07.3–.87 10.10S–.08 119.31E–.05 35 18 1-93
IDC VI 23 00 53 02.2–1.8 10.03S 119.14E 0 3.8,3.7b **¶610789302**
DJA VI 23 00 53 04.9–.70 10S–10 119E–3.0 10 3.9,3.9
ISC Event type ke.

(288) Savu Sea.

ISC I 26 13 52 13.7–.84 10.95S–.05 121.64E–.04 47–9 4.3b,3.0s 85 1-151
NEIC I 26 13 52 13.6–2.2 10.92S–.07 121.64E–.08 47–6 4.3b,3.0s **¶610130712**
DJA I 26 13 52 14.6–.20 11S–2.0 122E–1.0 40–7 5.1b,4.8b
IDC I 26 13 52 16.5–2.2 10.76S 121.73E 66–19 4.3,4.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=9.4km az=72.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=17.7km s-min=11.1km az=55.0.
ISC I 30 09 39 25.7–.79 9.25S–.06 122.00E–.05 100 4.0b 23 1-93
DJA I 30 09 39 26.8–.30 9S–4.0 122E–3.0 42–17 5.7b,5.2 **¶610235720**
IDC I 30 09 39 28.6–.84 8.78S 122.68E 122–13 3.9,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=118.1km s-min=10.9km az=53.0.
ISC II 19 11 24 39.4–.98 10.77S–.07 122.99E–.05 64–13 22 1-68
IDC II 19 11 24 40.8–2.9 10.67S 123.07E 66–27 3.9L,3.6 **¶610415812**
DJA II 19 11 24 40.4–.30 10S–4.0 123E–2.0 10 4.8b,4.2b
ISC Event type ke.
ISC III 25 12 44 51.5–.82 9.97S–.06 122.24E–.06 35 4.2b 19 1-71
IDC III 25 12 44 48.4–1.7 9.57S 121.89E 0 3.2b,4.0 **¶610543640**
DJA III 25 12 44 55.9–.40 10S–4.0 122E–3.0 10 4.2b,4.2
ISC Event type ke.
IDC VI 02 00 08 49.2–2.3 9.22S 122.85E 0 3.4,3.4b ¶610791072
IDC Error ellipse: s-maj=245.0km s-min=33.4km az=54.0.
IDC VI 26 10 27 26.1–2.3 10.04S 121.27E 0 3.2b,3.1 ¶610789504
IDC Error ellipse: s-maj=78.2km s-min=29.4km az=40.0.
DJA VI 28 19 38 10.5–.60 10S–7.0 122E–4.0 103–8 3.9b,3.7 ¶615350469

(289) Timor region.

IDC I 01 09 52 53.5–2.1 9.73S 126.06E 0 3.3b,3.2 ¶610236376
IDC Error ellipse: s-maj=227.2km s-min=33.9km az=58.0.
IDC I 02 07 12 18.4–14 8.64S 127.64E 145–110 3.7b,3.5

¶610236446
IDC Error ellipse: s-maj=133.4km s-min=93.4km az=71.0.
ISC I 03 03 15 40.3–.94 8.71S–.09 124.46E–.10 35 16 1-67
IDC I 03 03 15 42.8–5.4 8.95S 124.45E 75–65 3.9L,3.8 ¶610236527
ISC Event type ke.
IDC Error ellipse: s-maj=61.7km s-min=32.4km az=29.0.
DJA I 05 00 16 33.3–.40 9S–4.0 126E–3.0 10 5.4b,4.9
¶615345181
ISC I 05 00 22 10.4–1.4 9.2S–.10 125.96E–.08 35 11 2-68
IDC I 05 00 22 06.1–2.0 8.99S 125.84E 0 3.6L,3.5 ¶610236745
DJA I 05 00 22 12.1–1.1 9S–4.0 126E–6.0 10 3.5,3.5
ISC Event type ke.
IDC I 06 14 22 22.1–2.5 10.39S 123.77E 0 3.2b,3.1
¶610236838
IDC Error ellipse: s-maj=218.3km s-min=35.4km az=53.0.
ISC I 10 05 29 32.0–.98 10.69S–.07 123.85E–.08 10 10 1-72
IDC I 10 05 29 30.1–2.4 11.05S 123.20E 0 3.9b,3.7 ¶610237052
DJA I 10 05 29 33.1–.50 11S–3.0 124E–4.0 10 4.3b,3.8
ISC Event type ke.
DJA I 11 12 03 26.7–.40 9S–4.0 124E–3.0 49–20 4.1b,3.9
¶615345210
ISC I 14 11 30 16.0–.96 9.03S–.07 123.08E–.07 92 18 1-66
IDC I 14 11 30 05.5–2.6 9.04S 122.88E 0 3.5L,3.3 ¶610237354
DJA I 14 11 30 18.2–.50 9S–3.0 123E–2.0 71–8 3.5,3.5
ISC Event type ke.
ISC I 19 19 49 46.8–1.0 8.23S–.10 124.30E–.09 200 4.2b 38 2-66
NEIC I 19 19 49 45.6–1.7 8.0S–.10 124.4E–.10 181–14 4.0b ¶610237743
IDC I 19 19 49 46.9–3.1 8.18S 124.19E 204–31 4.0,3.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.3km s-min=15.0km az=217.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=76.7km s-min=15.4km az=59.0.
IDC I 20 02 48 01.3–1.6 8.70S 127.12E 0 3.9L,3.8
¶610234907
IDC Error ellipse: s-maj=47.8km s-min=29.6km az=69.0.
IDC I 20 03 07 25.7–2.1 8.84S 126.97E 0 3.3L,3.2
¶610234908
IDC Error ellipse: s-maj=166.3km s-min=34.1km az=61.0.
IDC I 20 03 17 55.2–2.1 8.79S 127.05E 0 3.4L,3.2
¶610234909
IDC Error ellipse: s-maj=38.9km s-min=33.6km az=46.0.
ISC I 20 17 40 30.3–.68 8.84S–.07 125.48E–.08 35 4.2b 41 2-145
IDC I 20 17 40 25.5–1.1 8.70S 125.55E 0 4.1,4.1b ¶610234953
DJA I 20 17 40 30.5–.30 9S–3.0 125E–3.0 10 5.5b,4.9
NEIC I 20 17 40 32–2.0 8.96S–.07 125.09E–.07 40–9 4.3b,4.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 20 18 39 40.7–1.5 9.0S–.10 124.3E–.10 100 10 1-67
IDC I 20 18 39 42.0–4.0 9.23S 124.22E 118–49 3.6,3.2b ¶610234955
DJA I 20 18 39 43.2–1.4 9S–3.0 124E–7.0 19–19 3.6,3.6
ISC Event type ke.
IDC I 23 12 09 56.4–7.1 9.23S 126.94E 92–81 3.5,3.5L
¶610235189
IDC Error ellipse: s-maj=85.3km s-min=23.0km az=26.0.
IDC I 23 12 12 05.8–7.5 8.97S 127.05E 59–89 3.5,3.5L
¶610235190
IDC Error ellipse: s-maj=84.5km s-min=23.1km az=15.0.
DJA I 24 20 36 04.7–.40 9S–5.0 124E–3.0 131–7 4.0b,3.8
¶615345404
DJA I 25 03 57 37.4–.90 10S–5.0 125E–4.0 12–7 4.2b,3.9
¶615345420
DJA I 25 09 13 28.4–.50 9S–4.0 124E–4.0 116–5 4.7b,4.0b
¶615345419
ISC I 27 14 37 07.5–1.2 8.02S–.09 124.07E–.09 150 13 2-66
IDC I 27 14 37 06.2–5.7 7.84S 124.24E 129–63 3.6,3.1b ¶610235482
DJA I 27 14 37 06.9–.30 8S–4.0 124E–3.0 176–5 4.1b,4.0
ISC Event type ke.
IDC II 07 13 01 27.4–5.2 8.78S 124.28E 97–60 3.6L,3.5
¶610415045
IDC Error ellipse: s-maj=69.7km s-min=31.9km az=35.0.
DJA II 12 07 58 55.2–.40 9S–4.0 124E–5.0 45–14 6.2b,5.9
¶615345584
IDC II 13 01 07 22.8–2.0 8.99S 126.75E 0 4.0,3.4b
¶610415411
IDC Error ellipse: s-maj=187.0km s-min=33.3km az=60.0.
ISC II 13 16 48 44.5–.83 9.67S–.07 126.32E–.07 35 15 2-69
IDC II 13 16 48 45.8–2.0 9.59S 126.30E 60–25 3.8,3.6L ¶610415460
ISC Event type ke.
IDC Error ellipse: s-maj=26.9km s-min=15.3km az=161.0.
IDC II 15 11 11 23.6–2.0 9.18S 125.07E 0 3.3,3.3b
¶610415560
IDC Error ellipse: s-maj=35.1km s-min=30.4km az=125.0.
DJA II 19 12 16 02.0–.40 10S–3.0 124E–4.0 10–3 3.7b,3.6
¶615345671
IDC II 20 17 50 24.6–5.6 8.02S 124.07E 155–64 3.2,2.8b
¶610384695
IDC Error ellipse: s-maj=99.8km s-min=32.9km az=47.0.
ISC III 01 15 17 44.3–1.3 8.9S–.10 127.2E–.10 35 8 3-68
DJA III 01 15 17 38.6–.50 8S–5.0 126E–6.0 263–10 4.6b,4.4b ¶610545329
IDC III 01 15 17 40.2–1.7 9.07S 126.59E 0 3.9L,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=136.2km s-min=28.9km az=57.0.
IDC III 02 01 50 03.5–1.5 9.41S 126.06E 0 3.8L,3.6
¶610545360
IDC Error ellipse: s-maj=136.2km s-min=26.3km az=61.0.
IDC III 05 09 03 29.3–2.1 8.79S 127.41E 0 3.3,3.2L
¶610545583
IDC Error ellipse: s-maj=126.9km s-min=27.4km az=62.0.
IDC III 06 07 22 05.7–1.9 8.18S 125.14E 0 3.5,3.5L
¶610545635
IDC Error ellipse: s-maj=188.4km s-min=31.8km az=59.0.
ISC III 08 22 26 17.1–.68 8.23S–.06 125.10E–.07 27 4.1b,3.6s 25 2-83
DJA III 08 22 26 13.6–.30 8S–3.0 125E–2.0 10 5.2b,4.5 ¶610545835
IDC III 08 22 26 13.5–1.2 8.23S 125.10E 0 4.0,3.9b
ISC Event type ke.
IDC Error ellipse: s-maj=55.5km s-min=20.8km az=63.0.
ISC III 09 01 45 48.9–1.6 8.4S–.20 125.3E–.20 10 6 2-67
IDC III 09 01 45 47.5–1.9 8.04S 125.35E 0 3.5,3.4b ¶610545845
DJA III 09 01 45 49.2–1.9 8S–8.0 125E–13 10 3.3,3.3
ISC Event type ke.
ISC III 13 09 53 12.5–1.4 8.9S–.20 124.0E–.10 100 6 1-67
IDC III 13 09 53 01.8–2.0 8.37S 124.37E 0 3.6L,3.5 ¶610546128
DJA III 13 09 53 15.0–1.4 9S–7.0 124E–7.0 80–23 3.3,3.3
ISC Event type ke.
IDC III 16 02 56 54.3–2.3 9.94S 124.28E 0 3.6L,3.5
¶610546288
IDC Error ellipse: s-maj=203.9km s-min=34.0km az=55.0.
ISC III 16 04 53 14.6–1.0 10.04S–.08 124.3E–.10 10 8 0-68
IDC III 16 04 53 12.6–2.3 10.09S 124.31E 0 3.6,3.5L ¶610546293
DJA III 16 04 53 15.4–.40 10S–4.0 124E–5.0 10 4.4b,4.2
ISC Event type ke.
IDC III 17 22 42 19.5–1.5 8.17S 126.32E 0 3.9L,3.7
¶610546419
IDC Error ellipse: s-maj=162.7km s-min=29.2km az=63.0.
ISC III 18 19 33 10.9–.87 10.52S–.09 123.02E–.06 50 3.9b 12 1-72
IDC III 18 19 33 07.5–1.8 9.59S 123.94E 0 3.9b,3.7 ¶610546470
DJA III 18 19 33 12.0–.50 10S–7.0 123E–3.0 10 5.0b,4.7b
ISC Event type ke.
ISC III 20 14 45 47.6–.49 10.59S–.05 123.58E–.05 29 4.3b 62 1-123
IDC III 20 14 45 43.2–.96 10.51S 123.54E 0 4.1,4.1b ¶610543336
NEIC III 20 14 45 47.0–1.5 10.65S–.06 123.51E–.07 35–2 4.2b,4.1b
DJA III 20 14 45 49.2–.30 11S–3.0 124E–2.0 75–13 4.7b,4.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 22 04 45 05.0–.45 9.59S–.06 123.81E–.05 66 4.2b 86 0-144
IDC III 22 04 45 04.4–3.2 9.42S 124.14E 72–30 4.2,4.0b ¶610543446
DJA III 22 04 45 05.9–.30 10S–3.0 124E–3.0 69–6 5.1b,4.7b
NEIC III 22 04 45 05.7–2.0 9.58S–.09 123.80E–.07 74–6 4.3b,4.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DJA IV 06 13 42 28.0–.40 9S–4.0 124E–4.0 120–5 3.9b,3.5
¶615346094
DJA IV 06 17 43 53.6–.40 10S–5.0 124E–4.0 81–7 3.5b,3.5
¶615346086
IDC IV 08 21 21 04.4–2.0 9.29S 125.66E 0 3.5b,3.3
¶610652254
IDC Error ellipse: s-maj=169.9km s-min=33.7km az=58.0.
IDC IV 08 21 22 04.0–2.1 9.75S 124.91E 0 3.5b,3.4
¶610652257
IDC Error ellipse: s-maj=214.0km s-min=33.7km az=56.0.
IDC IV 11 08 01 06.6–20 9.76S 125.75E 288–254 3.3,3.0b
¶610652441
IDC Error ellipse: s-maj=190.2km s-min=104.4km az=79.0.
IDC IV 19 03 28 06.8–2.1 8.10S 125.03E 0 3.4,3.4L
¶610653025
IDC Error ellipse: s-maj=180.6km s-min=32.8km az=59.0.
DJA IV 19 15 11 26.9–.40 8S–5.0 124E–4.0 38–6 5.6,5.5
¶615346216
ISC IV 22 14 46 44.9–.80 9.67S–.09 125.15E–.07 10 3.9b 21 1-72
IDC IV 22 14 46 43.1–1.5 9.32S 125.64E 0 3.9L,3.8 ¶610653270
DJA IV 22 14 46 47.2–.60 10S–4.0 125E–3.0 11–4 5.9b,5.5
ISC Event type ke.
ISC IV 23 18 29 28.5–1.5 8.1S–.20 127.4E–.30 10 9 6-68
IDC IV 23 18 29 27.2–2.0 7.95S 127.22E 0 3.7b,3.7L ¶610649824
ISC Event type ke.
IDC Error ellipse: s-maj=264.3km s-min=31.4km az=63.0.
ISC IV 24 11 52 58.1–.61 9.45S–.07 123.80E–.07 66 3.9b 47 1-81
IDC IV 24 11 52 48.9–.96 9.08S 124.22E 0 4.0L,3.9 ¶610649888
DJA IV 24 11 52 58.3–.30 10S–3.0 124E–2.0 60–10 5.3b,4.8
NEIC IV 24 11 52 59.2–2.6 9.43S–.08 123.9E–.10 78–5 4.3b,4.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 24 23 38 58.5–.88 9.53S–.09 123.09E–.08 100 4.0b 15 1-67
IDC IV 24 23 38 57.5–4.0 8.87S 123.74E 66–44 3.9,3.9L ¶610649939
DJA IV 24 23 38 58.1–.40 9S–5.0 123E–4.0 103–11 4.3b,4.2
ISC Event type ke.
IDC IV 25 10 12 10.0–2.5 10.93S 123.91E 0 3.6b,3.5
¶610649978
IDC Error ellipse: s-maj=227.3km s-min=33.5km az=52.0.
ISC IV 28 23 53 51.2–2.1 9.6S–.20 125.99E–.07 10 10 2-17
DJA IV 28 23 53 48.9–.70 9S–8.0 126E–4.0 10 4.9b,4.1 ¶612489603
ISC Event type ke.
IDC V 03 16 49 53.8–2.2 9.11S 123.56E 0 3.7s,3.7L
¶610689489
IDC Error ellipse: s-maj=213.5km s-min=33.1km az=55.0.
ISC V 07 06 55 07.0–1.2 8.8S–.10 124.2E–.10 100 12 1-67
IDC V 07 06 54 55.8–2.2 9.08S 123.50E 0 4.3L,4.0 ¶610689701
DJA V 07 06 55 07.6–.40 9S–5.0 124E–3.0 110–5 5.7b,5.2
ISC Event type ke.
ISC V 13 01 18 44.0–.96 9.1S–.10 125.6E–.10 10 4.0b,3.3s 23 1-151
DJA V 13 01 18 36.8–4.9 9S–10 126E–41 10 4.9b,4.8 ¶610690158
IDC V 13 01 18 40.6–.95 9.20S 124.79E 0 3.9,3.9b
ISC Event type ke.
IDC Error ellipse: s-maj=152.4km s-min=24.2km az=63.0.
ISC V 26 02 25 54.8–1.5 9.5S–.20 125.6E–.20 35 7 1-91
IDC V 26 02 25 50.1–2.0 9.50S 125.30E 0 3.8b,3.7 ¶610685400
DJA V 26 02 25 55.9–.50 9S–6.0 125E–5.0 10 4.5b,4.3
ISC Event type ke.
IDC V 27 19 59 24.4–2.1 9.39S 126.16E 0 3.3,3.3b
¶610685513
IDC Error ellipse: s-maj=131.1km s-min=29.8km az=58.0.
ISC V 27 21 00 53.8–1.2 9.7S–.10 125.2E–.10 33 19 1-68
IDC V 27 21 00 47.6–2.2 10.34S 124.05E 0 3.9L,3.6 ¶610685518
DJA V 27 21 00 53.2–.70 10S–5.0 125E–4.0 19–7 4.2b,4.1
ISC Event type ke.
DJA V 30 15 22 18.9–1.3 9S–5.0 124E–9.0 78–22 4.0b,3.8
¶615346714
ISC VI 04 16 08 26.7–.72 8.40S–.07 125.32E–.10 35 3.7b 16 2-71
IDC VI 04 16 08 22.3–1.5 8.39S 125.12E 0 3.7L,3.6 ¶610791242
DJA VI 04 16 08 26.0–.50 8S–4.0 125E–3.0 10 4.1b,3.9
ISC Event type ke.
ISC VI 08 14 27 44.5–1.2 9.2S–.10 125.8E–.10 35 9 2-68
IDC VI 08 14 27 38.2–2.1 8.97S 125.60E 0 3.6,3.5b ¶610791467
ISC Event type ke.
IDC Error ellipse: s-maj=165.1km s-min=33.9km az=58.0.
DJA VI 09 12 41 46.5–.40 9S–4.0 125E–3.0 158–5 5.1b,4.5
¶615347529
IDC VI 14 13 28 41.7–1.6 8.85S 127.91E 0 3.9b,3.9L
¶610791870
IDC Error ellipse: s-maj=252.7km s-min=24.9km az=62.0.
ISC VI 16 14 51 08.3–1.1 9.07S–.10 123.32E–.07 86 14 1-71
IDC VI 16 14 50 58.1–1.9 9.00S 123.55E 0 3.7L,3.6 ¶610792007
DJA VI 16 14 51 07.3–.40 9S–5.0 123E–2.0 61–15 4.4b,3.9
ISC Event type ke.
DJA VI 20 09 50 08.7–.70 9S–12 124E–5.0 128–9 3.9b,3.7
¶615350379
IDC VI 25 04 03 08.0–2.3 10.62S 123.93E 0 3.3,3.3b
¶610789420
IDC Error ellipse: s-maj=176.3km s-min=30.5km az=54.0.
ISC VI 26 13 12 54.5–.27 9.59S–.04 124.60E–.04 25 4.8b,4.1s 298 0-151
MOS VI 26 13 12 50.7–1.1 9.39S 124.63E 15 5.1b,4.1s ¶610695067
IDC VI 26 13 12 51.5–.48 9.24S 124.66E 0 4.5,4.4b
DJA VI 26 13 12 53.7–.10 10S–1.0 125E–1.0 10 5.4b,5.3
BJI VI 26 13 12 53.0–.00 9.70S 124.60E 25 5.1b,4.8b
NEIC VI 26 13 12 53.7–2.3 9.57S–.05 124.69E–.05 23–3 5.0b,4.8b
GCMT VI 26 13 12 55.7–.20 9.50S–.01 124.72E–.02 17–1 4.9W,4.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s28,c30; s98,c135;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.55±.10 $M_{\theta\theta}$-1.30±.08; $M_{\phi\phi}$1.85±.10; $M_{r\theta}$-0.10±.22; $M_{\theta\phi}$-1.92±.07; $M_{\phi r}$-1.49±.31; Best double couple: NP1:ϕ_s17.00000°,δ87.00000°,λ-31.00000°. NP2:ϕ_s109.00000°,δ59.00000°,λ-177.00000°. Principal axes: T 3.2200,Plg20.0000°,Azm67.0000°; N -0.6880,Plg59.0000°,Azm193.0000°; P -2.5310,Plg24.0000°,Azm328.0000° $M_0$2.87600×10^{16}
ISC VI 26 16 49 21.9–.95 9.85S–.08 124.76E–.07 10 20 0-68
IDC VI 26 16 49 16.1–1.9 9.33S 124.96E 0 3.7L,3.6 ¶610789520
DJA VI 26 16 49 21.8–.40 10S–3.0 125E–3.0 10 4.5b,4.3
ISC Event type ke.
DJA VI 29 11 53 43.0–.40 10S–4.0 125E–3.0 10 4.2b,4.1
¶615350489
DJA VI 30 09 41 02.7–.40 9S–4.0 124E–2.0 96–5 4.0b,3.8
¶615350500
ISC VI 30 10 52 14.7–1.3 8.9S–.10 124.38E–.09 100 15 1-19
DJA VI 30 10 52 14.4–.50 9S–6.0 124E–3.0 97–8 4.2b,3.9 ¶612490175
ISC Event type ke.

IDC VI 30 14 46 09.6–2.2 8.30S 127.38E 0 3.5b,3.3 ¶610789793
IDC Error ellipse: s-maj=169.9km s-min=34.3km az=63.0.

(290) Timor Sea.

IDC I 13 19 11 07.3–1.9 8.15S 129.88E 0 3.5L,3.4 ¶610237309
IDC Error ellipse: s-maj=48.0km s-min=25.9km az=67.0.
ISC I 14 14 46 15.8–1.4 8.2S–.10 128.53E–.09 35 11 3-68
IDC I 14 14 46 09.5–2.1 8.45S 128.02E 0 4.1L,3.8 **¶610237362**
ISC Event type ke.
IDC Error ellipse: s-maj=120.6km s-min=27.1km az=64.0.
ISC II 01 00 13 45.9–1.1 9.04S–.10 127.65E–.09 35 4.0b 14 4-72
IDC II 01 00 13 48.3–6.2 9.22S 127.56E 72–70 4.0,3.9b **¶610414579**
ISC Event type ke.
IDC Error ellipse: s-maj=65.8km s-min=17.6km az=28.0.
ISC II 11 06 39 23.6–1.3 9.1S–.10 127.1E–.10 35 3.5b 9 4-73
IDC II 11 06 39 18.5–1.5 8.85S 127.13E 0 3.7,3.7L **¶610415292**
ISC Event type ke.
IDC Error ellipse: s-maj=45.9km s-min=29.6km az=69.0.
IDC II 11 13 49 13.4–2.0 8.16S 129.89E 0 3.3,3.3b ¶610415320
IDC Error ellipse: s-maj=109.3km s-min=32.1km az=68.0.
IDC II 13 10 02 25.4–2.1 9.08S 127.02E 0 3.6L,3.3 ¶610415444
IDC Error ellipse: s-maj=208.8km s-min=33.8km az=61.0.
ISC II 21 19 46 16.0–1.2 9.0S–.10 127.7E–.10 35 3.7b 9 4-80
IDC II 21 19 46 11.5–1.6 8.89S 127.59E 0 3.8b,3.7 **¶610384769**
ISC Event type ke.
IDC Error ellipse: s-maj=35.9km s-min=28.3km az=64.0.
IDC III 09 01 13 05.0–2.2 8.25S 129.72E 0 3.3,3.3b ¶610545844
IDC Error ellipse: s-maj=99.1km s-min=27.3km az=68.0.
ISC III 14 07 23 09.5–.95 8.60S–.10 128.4E–.20 35 4.0b 12 5-79
IDC III 14 07 23 03.9–1.4 8.90S 127.80E 0 4.1L,3.9 **¶610546188**
ISC Event type ke.
IDC Error ellipse: s-maj=174.7km s-min=28.6km az=64.0.
ISC III 23 10 46 42.2–.61 8.10S–.06 129.72E–.08 100 3.9b 38 2-94
IDC III 23 10 46 33.1–1.0 7.95S 129.73E 0 3.9,3.9b **¶610543530**
NEIC III 23 10 46 41.6–2.6 7.95S–.08 129.8E–.10 134–10 4.3b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC III 27 22 31 35.6–2.1 9.23S 127.61E 0 3.9b,3.7 ¶610543817
IDC Error ellipse: s-maj=132.1km s-min=27.1km az=62.0.
ISC IV 06 10 28 38.8–2.6 8.0S–.20 128.6E–.10 150 14 5-68
IDC IV 06 10 28 15.4–1.8 6.82S 129.17E 0 3.8b,3.7 **¶610652066**
ISC Event type ke.
IDC Error ellipse: s-maj=142.5km s-min=26.6km az=65.0.
ISC IV 12 16 39 17.0–.83 8.24S–.09 128.17E–.09 10 3.6b 15 4-127
IDC IV 12 16 39 14.1–1.1 8.17S 128.22E 0 3.7,3.7b **¶610652566**
ISC Event type ke.
IDC Error ellipse: s-maj=59.9km s-min=23.1km az=57.0.
IDC IV 14 02 20 41.1–1.5 8.07S 129.15E 0 4.1b,3.9 ¶610652672
IDC Error ellipse: s-maj=106.9km s-min=24.3km az=64.0.
IDC IV 14 06 59 58.8–2.1 8.10S 129.45E 0 3.6L,3.4 ¶610652694
IDC Error ellipse: s-maj=92.4km s-min=27.1km az=68.0.
IDC IV 15 09 51 09.0–7.4 8.63S 128.14E 0 3.6b,3.1 ¶610652787
IDC Error ellipse: s-maj=134.6km s-min=91.0km az=64.0.
IDC IV 18 17 28 38.5–1.9 10.85S 127.72E 0 3.5b,3.4 ¶610652994
IDC Error ellipse: s-maj=164.5km s-min=32.3km az=60.0.
ISC IV 22 21 00 27.0–.68 9.21S–.06 127.23E–.08 35 3.7b,3.5s 23 3-99
IDC IV 22 21 00 27.4–3.5 9.20S 127.14E 46–38 4.1L,3.9 **¶610653285**
ISC Event type ke.
IDC Error ellipse: s-maj=50.9km s-min=22.4km az=70.0.
IDC IV 23 19 29 02.3–2.2 9.08S 127.25E 0 3.5b,3.2 ¶610649827
IDC Error ellipse: s-maj=108.0km s-min=29.1km az=65.0.
ISC V 14 19 05 16.8–3.7 8.3S–.20 129.0E–.20 150 9 5-69
IDC V 14 19 04 50.4–2.5 7.38S 127.67E 0 3.6L,3.5 **¶610690293**
ISC Event type ke.
IDC Error ellipse: s-maj=295.9km s-min=33.1km az=64.0.
ISC V 28 04 44 48.7–1.4 8.84S–.10 128.8E–.10 35 16 3-69
IDC V 28 04 44 44.5–2.0 9.36S 127.85E 0 4.4L,4.0 **¶610685539**
NOU V 28 04 45 12.0 10.42S 129.49E 113 4.4b,4.0
ISC Event type ke.
IDC Error ellipse: s-maj=143.2km s-min=26.7km az=62.0.
NOU Timor Sea.
IDC VI 04 16 47 26.9–7.3 8.89S 128.71E 0 3.7b,3.3 ¶610791245
IDC Error ellipse: s-maj=256.0km s-min=88.9km az=66.0.
ISC VI 11 15 44 49.7–1.6 8.3S–.10 129.0E–.10 10 7 5-69
IDC VI 11 15 44 47.9–2.2 8.17S 129.40E 0 3.5b,3.5L **¶610791656**
ISC Event type ke.
IDC Error ellipse: s-maj=106.0km s-min=27.1km az=67.0.
IDC VI 13 16 44 24.0–7.3 9.04S 128.50E 0 3.6b,3.2 ¶610791788
IDC Error ellipse: s-maj=131.4km s-min=88.6km az=65.0.
IDC VI 18 10 18 56.7–2.2 8.67S 128.11E 0 3.3s,3.3b ¶610792116
IDC Error ellipse: s-maj=155.2km s-min=29.9km az=63.0.
ISC VI 19 16 42 39.4–1.2 8.4S–.10 128.23E–.07 35 16 3-68
IDC VI 19 16 42 34.6–2.4 8.41S 128.06E 0 3.8L,3.7 **¶610792202**
NEIC VI 19 16 42 38.5–.67 7.8S–.20 128.17E–.08 149–25 4.0b,3.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 26 04 13 51.6–.85 8.13S–.08 128.59E–.07 150 4.3b 27 3-72
IDC VI 26 04 13 47.1–8.4 7.67S 128.61E 164–91 4.1,3.6b **¶610789479**
NEIC VI 26 04 13 51.6–2.3 8.08S–.06 128.58E–.07 145–11 4.3b,3.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 28 11 43 09.7–1.6 8.19S–.10 129.9E–.10 10 7 1-71
IDC VI 28 11 43 07.8–2.3 8.11S 129.78E 0 4.6s,4.0b **¶610789642**
ISC Event type ke.
IDC Error ellipse: s-maj=181.4km s-min=31.4km az=68.0.

(291) South of Sumbawa.

ISC I 01 08 49 37.4–.87 11.42S–.08 116.74E–.08 35 20 3-66
IDC I 01 08 49 31.8–4.5 11.37S 116.42E 0 3.2,3.1b **¶610236372**
DJA I 01 08 49 35.1–.40 11S–4.0 117E–4.0 10 5.8b,5.4
ISC Event type ke.
DJA I 24 03 52 02.8–.40 11S–3.0 118E–4.0 10 4.8b,4.5b ¶615345415
IDC I 27 07 35 28.2–3.5 10.05S 117.27E 0 3.6,3.4L ¶610235448
IDC Error ellipse: s-maj=74.6km s-min=28.7km az=65.0.
ISC II 03 20 26 18.1–.62 11.17S–.07 116.24E–.06 35 4.0b 35 3-70
NEIC II 03 20 26 18.7–2.5 11.14S–.07 116.24E–.07 33–6 4.3b **¶610414763**
IDC II 03 20 26 25.0–4.0 11.06S 116.51E 91–38 4.4s,3.8
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=8.5km az=215.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=39.7km s-min=15.5km az=69.0.
ISC II 09 17 47 52.1–.48 11.64S–.05 117.70E–.04 10 4.3b,3.5s 86 3-93
NEIC II 09 17 47 52.0–2.7 11.76S–.08 117.60E–.08 10–1 4.3b,3.5s **¶610415190**
IDC II 09 17 47 52.5–.87 11.40S 117.79E 0 4.1,4.1L
DJA II 09 17 47 58.5–.30 11S–3.0 118E–1.0 78–18 5.0b,4.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 15 02 26 11.3–1.2 11.5S–.10 118.51E–.10 26 12 2-66
IDC II 15 02 26 06.8–3.8 11.58S 118.29E 0 3.5b,3.3 **¶610415537**
DJA II 15 02 26 10.6–.30 11S–3.0 118E–4.0 10 5.1b,4.4
ISC Event type ke.
ISC II 18 11 22 48.7–.90 10.30S–.07 118.96E–.04 10 24 2-66
DJA II 18 11 22 52.1–.80 10S–7.0 119E–3.0 11–10 4.0b,4.0 **¶610415757**
IDC II 18 11 22 54.3–5.8 10.19S 119.09E 73–57 3.5,3.4L
ISC Event type ke.
IDC Error ellipse: s-maj=56.3km s-min=15.1km az=55.0.
ISC II 19 16 20 32.1–.40 10.60S–.05 116.02E–.05 35 4.5b,3.5s 135 2-124
IDC II 19 16 20 28.8–.64 10.26S 116.17E 0 4.4b,4.3 **¶610231566**
DJA II 19 16 20 33.7–.40 11S–4.0 116E–2.0 44–8 5.1b,4.6
NEIC II 19 16 20 33.1–1.7 10.65S–.08 115.88E–.07 41–6 4.7b,4.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 19 19 01 34.5–.80 10.52S–.08 116.04E–.05 35 4.0b 28 2-69
IDC II 19 19 01 30.4–2.2 10.24S 116.26E 0 3.9b,3.8 **¶610415834**
DJA II 19 19 01 35.7–.70 11S–9.0 116E–2.0 57–46 4.4b,4.2
ISC Event type ke.
ISC II 19 23 56 02.5–1.1 11.59S–.09 117.03E–.08 35 21 3-66
IDC II 19 23 56 02.6–3.9 11.49S 117.68E 0 3.7L,3.5 **¶610415849**
DJA II 19 23 56 05.7–.70 11S–10 117E–3.0 103–24 4.8b,4.5
ISC Event type ke.
DJA II 20 10 00 46.8–.60 10S–5.0 116E–2.0 10 4.8b,4.3b ¶615345681
DJA III 06 05 23 14.6–2.6 11S–23 118E–10 10 4.1b,3.9 ¶615345813
IDC III 23 05 49 47.2–4.2 11.24S 116.77E 0 4.0L,3.7 ¶610543509
IDC Error ellipse: s-maj=269.7km s-min=26.0km az=46.0.
ISC IV 06 13 58 31.4–1.1 10.1S–.10 116.56E–.07 35 15 1-64
IDC IV 06 13 58 25.5–4.0 10.07S 116.21E 0 3.2,3.1b **¶610652082**
DJA IV 06 13 58 28.2–.30 10S–3.0 117E–3.0 10 4.6b,4.4b
ISC Event type ke.
ISC IV 17 09 37 58.0–.68 11.45S–.06 118.05E–.08 36 4.1b 44 3-71
DJA IV 17 09 37 54.8–.20 12S–2.0 118E–2.0 10 5.2b,4.9 **¶610652921**
IDC IV 17 09 38 02.7–4.0 11.20S 118.43E 74–43 4.1,4.0L
ISC Event type ke.
IDC Error ellipse: s-maj=45.9km s-min=17.9km az=77.0.
ISC IV 20 03 57 07.5–1.1 11.41S–.10 118.65E–.08 26 22 2-12
DJA IV 20 03 57 06.1–.30 11S–3.0 119E–3.0 10 5.1b,4.5 **¶612489517**
ISC Event type ke.
ISC V 04 15 20 52.9–.89 11.43S–.09 118.23E–.09 35 19 3-66
IDC V 04 15 20 49.9–3.4 10.58S 119.09E 0 3.7b,3.6 **¶610689553**
ISC Event type ke.
IDC Error ellipse: s-maj=257.5km s-min=29.0km az=49.0.
ISC V 05 01 49 37.4–.51 10.36S–.06 118.97E–.05 41 4.6b 84 2-87
NEIC V 05 01 49 33.0–2.2 10.33S–.02 118.85E–.08 10–1 4.6b **¶610598536**
DJA V 05 01 49 38.5–.20 10S–2.0 119E–2.0 43–6 5.4b,5.0
IDC V 05 01 49 39.5–4.5 10.21S 119.15E 63–39 4.3,4.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.9km s-min=3.1km az=90.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=45.5km s-min=17.5km az=64.0.
IDC V 16 21 35 59.4–3.8 10.91S 118.63E 0 3.5b,3.4 ¶610690445
IDC Error ellipse: s-maj=279.5km s-min=30.4km az=48.0.
ISC V 19 19 17 26.7–.51 11.53S–.05 118.26E–.05 26 4.2b 83 2-73
DJA V 19 19 17 25.4–.40 12S–4.0 118E–3.0 10 5.4b,5.0b **¶610645689**
IDC V 19 19 17 26.2–2.5 10.32S 119.41E 0 4.1L,3.8
NEIC V 19 19 17 27.9–2.9 11.56S–.06 118.21E–.06 35–3 4.1b,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 21 12 05 08.6–.88 11.44S–.06 117.78E–.07 36 26 2-18
DJA V 21 12 05 10.5–.50 11S–4.0 118E–3.0 10 4.0b,3.9 **¶612489774**
ISC Event type ke.
ISC V 26 04 15 00.6–.38 10.19S–.05 118.95E–.04 50 4.8b,3.6s 149 1-119
IDC V 26 04 14 54.1–.88 10.04S 119.04E 0 4.7b,4.6 **¶610654556**
NEIC V 26 04 15 00–1.9 10.22S–.07 118.86E–.07 44–9 4.6b,4.6
DJA V 26 04 15 00.7–.20 10S–2.0 119E–1.0 46–3 5.4b,5.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 02 12 27 59.0–1.3 11.5S–.10 117.77E–.09 10 16 3-66
DJA VI 02 12 27 59.3–.30 12S–3.0 118E–3.0 10 5.9b,5.5 **¶615347392**
IDC VI 02 12 28 01.2–3.3 9.81S 119.35E 0 3.6b,3.3
ISC Event type ke.
IDC Error ellipse: s-maj=270.9km s-min=31.0km az=50.0.
ISC VI 04 01 39 45.1–1.2 12.1S–.10 118.5E–.10 10 17 6-67
IDC VI 04 01 39 46.1–2.6 11.41S 119.25E 0 3.4,3.4b **¶610791204**
ISC Event type ke.
IDC Error ellipse: s-maj=148.5km s-min=16.1km az=47.0.
ISC VI 08 11 57 17.4–.47 11.32S–.05 118.52E–.04 35 4.1b,3.1s 86 2-81
IDC VI 08 11 57 13.3–.76 11.11S 118.78E 0 4.3L,4.0 **¶610791465**
DJA VI 08 11 57 14.6–.30 11S–3.0 118E–2.0 10 5.4b,5.1b
NEIC VI 08 11 57 17.1–2.4 11.44S–.08 118.43E–.05 38–11 4.4b,5.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(293) South of Timor.

IDC I 05 18 44 39.9–2.4 12.11S 121.36E 0 3.6,3.6L ¶610236787
IDC Error ellipse: s-maj=52.2km s-min=34.6km az=42.0.
IDC II 05 16 11 03.7–2.3 11.18S 122.95E 0 3.9L,3.7 ¶610414891
IDC Error ellipse: s-maj=42.6km s-min=32.4km az=76.0.
IDC IV 13 11 06 52.5–2.4 11.04S 123.31E 0 3.6b,3.4 ¶610652632
IDC Error ellipse: s-maj=195.7km s-min=33.3km az=51.0.

SEISMIC REGION 25.
Myanmar and Southeast Asia.

(294) Myanmar-India border region.

ISC I 03 18 49 53.8–.25 23.29N–.03 94.50E–.03 97–1 5.0b 976 1-154
MOS I 03 18 49 51.9–.93 23.29N 94.60E 94 4.9b **¶611831465**
NEIC I 03 18 49 53.6–1.9 23.32N–.04 94.50E–.05 89–4 5.1b
BJI I 03 18 49 53.2–.00 23.43N 94.47E 94 5.0b,4.9b
IDC I 03 18 49 53.8–.45 23.26N 94.62E 96–3 4.9,4.6b
GCMT I 03 18 49 55.6–.20 23.29N–.02 94.56E–.02 97–2 5.0W,4.6b
NDI I 03 18 49 56.4–3.8 23.42N 94.22E 100–17 5.1b,5.1L
DMN I 03 18 50 22.8–.59 24.49N 92.29E 10 5.1L,5.1L
ISC Event type se. Moment Tensor Solution. NP1:ϕs134.52219°,δ62.01373°,λ172.42400°. NP2: ϕs228.09354°,δ83.31425°,λ28.19494°. Principal axes: T Plg24.4652°,Azm94.8830° ; N Plg61.0866°,Azm240.3465°; P Plg14.4475°,Azm358.1511°
MOS Error ellipse: s-maj=6.1km s-min=3.3km az=127.4.
NEIC Event type se. Error ellipse: s-maj=7.1km s-min=5.3km az=47.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=9.3km s-min=7.1km az=25.0.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s23,c27; s95,c150;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-0.11±.11 $M_{\theta\theta}$-2.86±.10; $M_{\phi\phi}$2.97±.10; $M_{r\theta}$-1.18±.07; $M_{\theta\phi}$-0.81±.10; $M_{\phi r}$-1.37±.07; Best double couple: NP1:ϕ_s37.00000°,δ88.00000°,λ-31.00000°. NP2:ϕ_s128.00000°,δ59.00000°,λ-178.00000°. Principal axes: T 3.5100,Plg20.0000° ,Azm87.0000°; N 0.0320,Plg59.0000°,Azm213.0000°; P -3.5390,Plg23.0000°,Azm348.0000° $M_0$3.52500×10^{16}
NDI Error ellipse: s-maj=12.0km s-min=22.1km az=-1.0.
DMN Event type ke. Error ellipse: s-maj=105.7km s-min=11.2km az=26.0.
ISC I 05 05 56 50.6–.96 25.09N–.08 95.14E–.07 104 3.6b 61 1-61
NDI I 05 05 56 52.7–.67 25.09N 95.06E 124–7 3.9L ¶610236757
IDC I 05 05 56 52.9–2.7 24.87N 95.17E 131–31 3.8,3.3b
ISC Event type ke.
NDI Error ellipse: s-maj=2.1km s-min=5.8km az=-1.0.
IDC Error ellipse: s-maj=27.1km s-min=17.3km az=65.0.
IDC I 07 18 39 47.9–4.3 24.98N 94.94E 86–40 3.3,3.1b
¶610236915
IDC Error ellipse: s-maj=103.6km s-min=26.4km az=60.0.
ISC I 08 04 28 16.0–1.0 25.18N–.05 94.56E–.07 71–12 3.3b 16 1-59
NDI I 08 04 28 14.8–.89 25.12N 94.58E 83–8 3.5L ¶610236940
IDC I 08 04 28 18.5–4.5 25.01N 94.64E 98–47 3.4,3.1b
ISC Event type ke.
NDI Error ellipse: s-maj=4.3km s-min=4.7km az=-1.0.
IDC Error ellipse: s-maj=73.6km s-min=25.7km az=69.0.
ISC I 10 00 19 44.9–1.1 23.3N–.20 93.98E–.08 50 3.6b 6 2-67
IDC I 10 00 19 46.8–3.0 23.13N 93.91E 74–32 3.5,3.3b ¶610237047
ISC Event type ke.
IDC Error ellipse: s-maj=35.0km s-min=17.8km az=31.0.
ISC I 12 09 32 06.6–.52 26.39N–.05 95.31E–.04 60–5 4.3b 133 1-77
NDI I 12 09 32 06.5–4.0 26.40N 95.46E 35–17 4.5b,4.5L ¶610180878
IDC I 12 09 32 06.1–.74 26.27N 95.50E 54–6 4.0,3.7b
BJI I 12 09 32 07.9–.00 26.77N 95.41E 54 5.0b,4.4b
NEIC I 12 09 32 08.1–2.0 26.41N–.06 95.36E–.09 69–7 4.5b,4.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC I 15 09 45 34.0–5.8 24.59N 94.77E 26–43 3.5,3.4b
¶610237430
IDC Error ellipse: s-maj=81.9km s-min=23.0km az=58.0.
ISC I 18 03 03 22.6–.42 24.45N–.05 94.41E–.05 82 4.2b 102 1-124
NEIC I 18 03 03 22.0–1.9 24.56N–.07 94.57E–.08 63–6 4.5b ¶610237636
IDC I 18 03 03 22.0–1.2 24.47N 94.56E 74–11 4.0,3.7b
NDI I 18 03 03 23.7–2.5 24.58N 94.40E 76–16 4.5b,4.3L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=8.8km az=51.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=12.1km s-min=11.3km az=35.0.
NDI Error ellipse: s-maj=10.5km s-min=15.5km az=-1.0.
ISC II 09 11 53 21.1–1.1 24.3N–.20 94.6E–.30 100 3.6b 6 7-85
IDC II 09 11 53 21.5–4.2 24.24N 94.59E 104–39 3.6s,3.6 ¶610415170
ISC Event type ke.
IDC Error ellipse: s-maj=45.8km s-min=21.6km az=69.0.
ISC II 15 15 06 06.2–1.3 26.0N–.20 95.6E–.20 150 3.3b 13 7-62
IDC II 15 15 06 05.8–4.7 26.10N 95.91E 140–55 3.3,2.9b ¶610415570
ISC Event type ke.
IDC Error ellipse: s-maj=174.1km s-min=22.3km az=60.0.
ISC II 24 12 02 49.9–.23 24.04N–.03 93.44E–.03 58–1 4.9b,3.7s 883 1-164
MOS II 24 12 02 47.1–.94 23.99N 93.51E 48 5.1b,3.7s ¶610240619
NDI II 24 12 02 47.4–3.6 24.03N 93.46E 20 5.0b,4.9L
IDC II 24 12 02 49.7–.38 24.02N 93.58E 58–2 4.7,4.4b
NEIC II 24 12 02 50.6–1.6 24.04N–.05 93.48E–.05 60–5 5.0b,4.4b
BJI II 24 12 02 51.8–.00 24.49N 93.57E 64 4.9b,4.8b
GCMT II 24 12 02 52.7–.40 24.01N–.02 93.52E–.02 88–4 5.0W,4.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s29,c32; s65,c80;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}2.44±.29 $M_{\theta\theta}$-4.07±.23; $M_{\phi\phi}$1.64±.22; $M_{r\theta}$0.27±.27; $M_{\theta\phi}$3.32±.22; $M_{\phi r}$1.07±.26; Best double couple: NP1:ϕ_s333.00000°,δ67.00000°,λ152.00000°. NP2:ϕ_s75.00000°,δ64.00000°,λ26.00000°. Principal axes: T 3.9480,Plg36.0000° ,Azm294.0000°; N 1.6610,Plg54.0000°,Azm117.0000°; P -5.5990,Plg1.0000°,Azm25.0000° $M_0$4.77300×10^{16}
IDC II 24 12 09 46.8–5.2 23.14N 93.58E 80–44 4.0L,3.3
¶610384937
IDC Error ellipse: s-maj=76.5km s-min=22.9km az=69.0.
IDC III 01 23 38 10.0–4.4 23.78N 94.46E 125–43 3.4,3.0b
¶610545354
IDC Error ellipse: s-maj=165.1km s-min=24.4km az=59.0.
ISC III 03 23 30 02.9–.70 24.81N–.04 94.46E–.04 79–7 3.9b 92 0-81
BJI III 03 23 30 03.8–.00 25.11N 94.50E 64 4.7b,4.0b ¶610245009
NDI III 03 23 30 03.2–3.2 24.83N 94.54E 70 4.1b,4.0L
NEIC III 03 23 30 03.1–1.1 24.85N–.06 94.55E–.08 66–7 4.1b,4.0L
IDC III 03 23 30 05.2–2.3 24.67N 94.52E 100–24 3.9,3.6b
ISC Event type se.
NDI Error ellipse: s-maj=7.9km s-min=13.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=8.1km az=60.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=27.7km s-min=11.7km az=54.0.
ISC III 04 02 11 52.6–.25 25.18N–.03 94.69E–.03 70–1 5.0b 983 1-162
BGR III 04 02 11 42.4 23.31N 94.50E 33 5.2b,3.8s ¶611831957
MOS III 04 02 11 47.5–.94 25.01N 94.87E 46 5.3b,3.8s
BJI III 04 02 11 51.2–.00 25.28N 94.70E 74 5.0b,5.0b
NDI III 04 02 11 52.3–3.5 25.22N 94.72E 92–13 5.1b,5.0L
IDC III 04 02 11 53.3–.51 25.12N 94.88E 79–4 4.7,4.4b
NEIC III 04 02 11 53.8–1.9 25.19N–.05 94.67E–.07 74–5 5.1b,4.4b
GCMT III 04 02 11 53.8–.40 25.16N–.03 94.76E–.03 98–3 5.0W,4.4b
ISC Event type ke. Moment Tensor Solution. NP1:ϕ_s354.18402°,δ88.83485°,λ167.15103°. NP2: ϕ_s84.44976°,δ77.15373°,λ1.19506°. Principal axes: T Plg9.8805°,Azm308.5934° ; N Plg77.0992°,Azm169.0896°; P Plg8.2120°,Azm40.0337°
BGR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s32,c38; s49,c66;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-0.04±.20 $M_{\theta\theta}$-2.23±.20; $M_{\phi\phi}$2.27±.19; $M_{r\theta}$-0.14±.23; $M_{\theta\phi}$3.53±.19; $M_{\phi r}$1.24±.19; Best double couple: NP1:ϕ_s343.00000°,δ88.00000°,λ164.00000°. NP2:ϕ_s74.00000°,δ74.00000°,λ2.00000°. Principal axes: T 4.4410,Plg13.0000° ,Azm298.0000°; N -0.1450,Plg74.0000°,Azm156.0000°; P -4.2920,Plg10.0000° ,Azm30.0000° $M_0$4.36600×10^{16}
ISC III 06 21 30 06.9–.82 25.03N–.04 95.07E–.05 100–7 4.1b 111 1-88
BJI III 06 21 30 05.7–.00 25.01N 95.21E 105 4.5b,4.0b ¶610247282
MOS III 06 21 30 05.9–1.0 25.01N 95.07E 102 4.2b,4.0b
NEIC III 06 21 30 07.0–1.4 25.12N–.09 95.14E–.06 90–10 4.3b,4.0b
NDI III 06 21 30 07.9–3.0 25.09N 95.09E 94–16 4.3b,4.0L
IDC III 06 21 30 10.2–2.9 24.89N 95.31E 142–29 3.9,3.5b
ISC Event type se.
MOS Error ellipse: s-maj=20.1km s-min=6.9km az=124.4.
NEIC Event type se. Error ellipse: s-maj=12.5km s-min=7.8km az=172.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NDI Error ellipse: s-maj=7.6km s-min=11.6km az=-1.0.
IDC Error ellipse: s-maj=30.7km s-min=14.3km az=58.0.
ISC III 09 02 55 11.2–.83 24.71N–.04 94.50E–.05 73–8 4.3b 95 1-80
IDC III 09 02 55 11.4–2.4 24.63N 94.61E 80–26 4.0,3.7b ¶610545847
NDI III 09 02 55 11.6–4.3 24.71N 94.62E 36–14 4.7b,4.1L
NEIC III 09 02 55 11.4–1.5 24.71N–.07 94.57E–.07 70–3 4.7b,4.1L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC III 09 05 46 45.4–31 25.36N 94.97E 0 3.4,3.4b
¶610545857
IDC Error ellipse: s-maj=518.3km s-min=84.4km az=2.0.
IDC III 13 10 36 02.2–1.5 27.11N 97.04E 0 3.1,3.1b
¶610546132
IDC Error ellipse: s-maj=63.7km s-min=28.4km az=68.0.
ISC III 14 16 39 53.0–.44 27.10N–.05 96.91E–.03 28 4.1b 71 1-89
IDC III 14 16 39 47.5–.87 27.12N 97.07E 0 3.8,3.8b ¶610328661
BJI III 14 16 39 50.7–.00 27.01N 96.95E 9 4.8b,4.0b
NEIC III 14 16 39 56.8–1.6 27.30N–.08 96.79E–.07 54–8 4.4b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 25 02 05 55.7–.44 25.07N–.03 95.01E–.04 101–4 4.4b 269 1-149
BJI III 25 02 05 54.9–.00 25.10N 95.06E 102 4.7b,4.4b ¶610434918
MOS III 25 02 05 55.0–.95 25.01N 95.09E 113 4.5b,4.4b
NDI III 25 02 05 56.5–3.3 25.10N 94.97E 112–16 4.5b,4.5L
NEIC III 25 02 05 56.4–1.8 25.05N–.04 95.02E–.08 104–5 4.5b,4.5L
IDC III 25 02 05 56.0–.58 24.95N 95.12E 107–5 4.4,4.0b
ISC Event type se.
MOS Error ellipse: s-maj=12.5km s-min=5.2km az=124.0.
NDI Error ellipse: s-maj=8.2km s-min=12.1km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=5.5km az=96.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=10.6km s-min=9.3km az=46.0.
IDC IV 01 06 41 11.1–5.2 25.12N 95.53E 141–51 3.8,3.5s
¶610651686
IDC Error ellipse: s-maj=47.7km s-min=23.0km az=54.0.
ISC IV 04 10 08 05.4–1.3 26.4N–.20 95.8E–.10 100 3.9b 28 7-62
IDC IV 04 10 08 06.1–5.3 26.59N 96.65E 94–57 3.8,3.7L ¶610651903
ISC Event type se.
IDC Error ellipse: s-maj=131.1km s-min=22.8km az=60.0.
ISC IV 12 17 34 26.3–1.0 23.66N–.05 94.29E–.09 35 3.4b 16 1-63
IDC IV 12 17 34 15.4–1.8 22.56N 92.44E 0 3.7L,3.6s ¶610652572
NDI IV 12 17 34 28.7–2.5 23.73N 93.98E 18–19 3.2L,3.6s
ISC Event type ke.
IDC Error ellipse: s-maj=89.4km s-min=18.3km az=53.0.
NDI Error ellipse: s-maj=7.4km s-min=21.0km az=-1.0.
ISC IV 24 10 53 41.9–.62 23.28N–.05 94.38E–.06 99 3.8b 66 2-87
IDC IV 24 10 53 41.5–.74 23.24N 94.56E 96–6 3.9,3.6b ¶610649882
NDI IV 24 10 53 43.0–2.7 23.33N 94.50E 100 4.0L,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=12.7km s-min=10.3km az=13.0.
NDI Error ellipse: s-maj=8.5km s-min=13.4km az=-1.0.
IDC IV 29 23 23 55.2–6.9 23.90N 93.86E 54–77 3.9L,3.4
¶610650364
IDC Error ellipse: s-maj=52.1km s-min=22.4km az=83.0.
ISC V 02 17 47 31.0–1.4 27.48N–.09 96.49E–.09 10 3.5b 15 1-62
IDC V 02 17 47 29.2–3.4 27.17N 96.47E 0 3.3,3.2b ¶610689410
NDI V 02 17 47 30.4–1.5 27.64N 96.51E 10 3.2L,3.2b
ISC Event type ke.
IDC Error ellipse: s-maj=407.3km s-min=30.3km az=58.0.
NDI Error ellipse: s-maj=9.8km s-min=11.7km az=-1.0.
ISC V 03 00 12 27.2–1.6 24.59N–.05 94.83E–.08 27–11 3.6b 28 1-85
IDC V 03 00 12 23.1–.85 24.43N 94.37E 0 3.7b,3.6 ¶610689419
NDI V 03 00 12 26.5–3.2 24.64N 94.88E 10 3.3L,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=41.0km s-min=16.0km az=58.0.
NDI Error ellipse: s-maj=10.6km s-min=12.6km az=-1.0.
ISC V 06 14 48 51.5–.67 23.88N–.04 93.80E–.04 79–6 4.2b 117 1-124
BJI V 06 14 48 48.3–.00 23.88N 93.85E 54 4.5b,4.5b ¶610617756
NDI V 06 14 48 50.8–3.5 23.90N 93.88E 31–35 4.3b,4.1L
NEIC V 06 14 48 51.5–1.7 23.92N–.04 93.98E–.06 68–5 4.3b,4.1L
IDC V 06 14 48 52.0–2.3 23.77N 93.91E 74–24 4.2,3.9b
ISC Event type se.
NDI Error ellipse: s-maj=21.8km s-min=17.5km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=7.9km s-min=5.8km az=83.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=20.1km s-min=12.8km az=52.0.
ISC V 07 22 53 02.0–.92 23.2N–.40 94.8E–.40 10 3.7b 8 6-75
IDC V 07 22 53 00.7–1.1 23.22N 94.73E 0 3.8b,3.8L ¶610689761
ISC Event type ke.
IDC Error ellipse: s-maj=85.9km s-min=15.7km az=51.0.
IDC V 17 08 43 27.8–4.5 23.77N 93.97E 0 3.7,3.7b
¶610690473
IDC Error ellipse: s-maj=377.6km s-min=26.7km az=60.0.
ISC V 18 08 43 40.3–.99 24.85N–.05 94.67E–.07 99–9 3.7b 47 1-87
NDI V 18 08 43 40.8–1.9 24.90N 94.74E 90 4.1L ¶610659513
IDC V 18 08 43 42.3–2.4 24.57N 94.69E 116–25 3.9,3.6b
ISC Event type ke.
NDI Error ellipse: s-maj=5.0km s-min=10.4km az=-1.0.
IDC Error ellipse: s-maj=23.4km s-min=15.4km az=55.0.
ISC V 24 09 02 23.6–1.3 23.1N–.30 93.9E–.30 100 3.7b 15 7-61
IDC V 24 09 02 11.4–4.5 23.00N 93.73E 0 3.6,3.6b ¶610685286
ISC Event type ke.
IDC Error ellipse: s-maj=347.1km s-min=27.7km az=60.0.
ISC V 24 13 54 48.7–1.1 23.81N–.05 94.70E–.08 100 3.9b 20 1-61
IDC V 24 13 54 50.1–3.1 23.62N 94.72E 118–33 3.8s,3.7 ¶610659546
NDI V 24 13 54 52.9–3.1 23.88N 94.45E 28–29 3.5L,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=34.3km s-min=18.4km az=47.0.
NDI Error ellipse: s-maj=10.4km s-min=22.0km az=-1.0.
ISC V 26 14 17 43.1–1.1 24.11N–.05 94.29E–.08 107–9 3.9b 23 1-61
NDI V 26 14 17 43.5–2.0 24.10N 94.33E 100 3.7L ¶610659551
IDC V 26 14 18 06.9–1.6 23.89N 93.87E 362–25 3.8,3.2b
ISC Event type ke.
NDI Error ellipse: s-maj=5.4km s-min=9.4km az=-1.0.
IDC Error ellipse: s-maj=69.7km s-min=14.0km az=60.0.
ISC V 29 15 36 51.8–.67 23.3N–.20 95.0E–.20 100 4.0b 28 2-76
NEIC V 29 15 36 53.2–1.1 23.22N–.04 94.94E–.06 107–9 4.1b ¶610685630
IDC V 29 15 36 54.1–3.4 23.31N 95.13E 118–33 4.0,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=8.5km s-min=5.0km az=112.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=74.5km s-min=14.7km az=60.0.
ISC VI 01 12 12 56.9–1.0 23.96N–.05 94.18E–.09 95–11 3.6b 19 1-61
IDC VI 01 12 12 57.0–6.4 23.60N 94.08E 99–45 3.6,3.4b ¶610791055
NDI VI 01 12 12 58.6–2.9 24.02N 94.07E 100–23 3.4L,3.4b
ISC Event type ke.
IDC Error ellipse: s-maj=261.9km s-min=18.6km az=59.0.
NDI Error ellipse: s-maj=8.6km s-min=16.1km az=-1.0.
ISC VI 01 21 51 29.2–.89 23.26N–.05 94.38E–.07 10 3.6b 15 1-60
IDC VI 01 21 51 29.7–1.9 24.46N 96.72E 0 3.5b,3.5L ¶611929937
NDI VI 01 21 51 29.4–3.8 23.39N 94.35E 6–16 3.0L,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=177.5km s-min=24.5km az=62.0.
NDI Error ellipse: s-maj=15.3km s-min=34.5km az=-1.0.
ISC VI 09 11 48 07.1–.56 25.22N–.05 95.00E–.06 100 4.4b 46 1-77
NEIC VI 09 11 48 06.9–2.0 25.28N–.03 95.1E–.10 92–8 4.6b ¶610791538
NDI VI 09 11 48 08.5–3.3 25.31N 94.86E 113–36 4.6b,3.9L
IDC VI 09 11 48 08.9–3.6 25.10N 95.04E 113–37 3.6,3.2s
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.6km s-min=3.0km az=76.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NDI Error ellipse: s-maj=18.5km s-min=21.8km az=-1.0.

IDC Error ellipse: s-maj=81.3km s-min=16.5km az=61.0.
IDC VI 09 18 25 32.6–4.5 23.50N 94.12E 87–39 3.5,3.3b ¶610791551
IDC Error ellipse: s-maj=69.3km s-min=19.2km az=68.0.
ISC VI 16 14 57 40.4–.00 23.7N–.10 93.99E–.10 100 3.5b 20 2-61
IDC VI 16 14 57 39.9–3.0 23.57N 94.17E 76–33 3.6,3.3b **¶610792008**
ISC Event type ke.
IDC Error ellipse: s-maj=26.9km s-min=16.7km az=45.0.
ISC VI 18 08 45 40.9–1.3 22.7N–.30 94.0E–.40 88 3.5b 7 6-81
IDC VI 18 08 45 40.4–4.5 22.63N 93.86E 81–40 3.6,3.3b **¶610792110**
ISC Event type ke.
IDC Error ellipse: s-maj=78.9km s-min=19.2km az=55.0.
ISC VI 18 22 35 44.3–.40 24.64N–.04 93.92E–.04 10 4.5b,3.2s 388 0-88
NDI VI 18 22 35 41.9–4.5 24.60N 94.03E 8–29 4.7b,4.6b **¶610681615**
MOS VI 18 22 35 43.3–1.3 24.38N 94.07E 24 4.6b,4.6b
NEIC VI 18 22 35 46.5–1.3 24.63N–.06 93.97E–.06 21–5 4.6b,4.6b
BJI VI 18 22 35 47.4–.00 24.88N 93.97E 31 4.7b,4.3b
IDC VI 18 22 35 49.7–3.4 24.55N 94.08E 57–32 4.2,4.1L
ISC Event type se.
NDI Error ellipse: s-maj=31.7km s-min=31.3km az=-1.0.
MOS Error ellipse: s-maj=17.9km s-min=5.0km az=126.7.
NEIC Event type se. Error ellipse: s-maj=9.0km s-min=6.9km az=221.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=17.9km s-min=10.8km az=48.0.
ISC VI 20 08 50 43.6–.94 23.32N–.06 94.40E–.09 150 4.2b 28 2-87
IDC VI 20 08 50 28.1–3.9 22.88N 94.39E 0 3.9,3.9b **¶610789153**
NEIC VI 20 08 50 40.1–1.1 23.0N–.10 94.5E–.10 95–11 4.6b,3.9b
NDI VI 20 08 50 43.3–3.3 23.29N 94.33E 134–36 4.6b,3.6L
ISC Event type se.
IDC Error ellipse: s-maj=328.0km s-min=21.2km az=60.0.
NEIC Event type se. Error ellipse: s-maj=28.4km s-min=3.3km az=223.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NDI Error ellipse: s-maj=13.2km s-min=26.6km az=-1.0.
ISC VI 27 09 37 36.7–.70 23.94N–.05 94.60E–.07 96 4.3b 30 1-124
IDC VI 27 09 37 24.2–3.5 23.79N 94.45E 0 3.9,3.9b **¶610789567**
NEIC VI 27 09 37 36.9–1.5 23.97N–.07 94.71E–.10 93–6 4.4b,3.9b
NDI VI 27 09 37 37.9–1.6 23.98N 94.39E 110–15 4.4b,3.6L
ISC Event type se.
IDC Error ellipse: s-maj=356.6km s-min=29.8km az=57.0.
NEIC Event type se. Error ellipse: s-maj=13.7km s-min=9.0km az=65.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NDI Error ellipse: s-maj=5.5km s-min=15.0km az=-1.0.

(296) Myanmar.

ISC I 01 16 54 04.2–1.2 20.98N–.05 98.33E–.09 10 11 2-75
NEIC I 01 16 54 06.7–.94 21.12N–.08 98.45E–.04 64–7 4.6b **¶610570326**
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 04 12 41 17.4–.62 22.96N–.05 96.07E–.07 10 4.0b,2.9s 35 1-80
IDC I 04 12 41 16.0–1.0 23.06N 96.20E 0 4.3L,3.8 **¶610236699**
NDI I 04 12 41 18.2–2.9 23.06N 96.02E 10–85 4.2b,3.4L
NEIC I 04 12 41 18.0–1.1 22.90N–.04 96.07E–.07 13–2 4.2b,3.4L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 04 14 28 05.1–.41 22.96N–.04 94.64E–.05 105 4.5b 103 2-154
BJI I 04 14 28 06.0–.00 22.96N 94.71E 124 4.8b,4.4b **¶609978257**
NEIC I 04 14 28 07.8–1.4 22.97N–.06 94.74E–.06 123–6 4.6b,4.4b
NDI I 04 14 28 08.9–1.5 23.06N 94.58E 125 4.6b,4.4L
IDC I 04 14 28 08.0–1.7 22.90N 94.70E 132–16 4.3,3.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=7.5km az=222.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NDI Error ellipse: s-maj=6.0km s-min=9.4km az=-1.0.
IDC Error ellipse: s-maj=21.7km s-min=9.9km az=54.0.
IDC I 06 10 42 01.3–1.9 25.09N 96.42E 0 3.4,3.4b ¶610236825
IDC Error ellipse: s-maj=124.9km s-min=28.3km az=63.0.
IDC I 09 11 04 59.8–4.4 24.40N 95.19E 0 3.3,3.3b ¶610237028
IDC Error ellipse: s-maj=415.1km s-min=31.7km az=59.0.
ISC I 18 18 09 23.9–.80 26.5N–.10 96.25E–.09 100 3.8b 16 5-88
IDC I 18 18 09 24.6–3.5 26.55N 96.56E 106–34 3.8,3.4b **¶610237679**
ISC Event type ke.
IDC Error ellipse: s-maj=37.1km s-min=13.9km az=60.0.
IDC I 19 05 33 34.0–3.6 26.11N 96.28E 0 3.4,3.4b ¶610237706
IDC Error ellipse: s-maj=420.7km s-min=24.0km az=58.0.
IDC I 19 05 46 36.4–4.9 22.72N 94.70E 95–43 3.3,3.0b ¶610237707
IDC Error ellipse: s-maj=135.4km s-min=26.0km az=59.0.
ISC I 21 21 49 19.7–.42 19.77N–.05 94.77E–.05 97 4.2b 107 3-95
BJI I 21 21 49 16.1–.00 19.63N 94.55E 82 4.8b,4.2b **¶610235025**
NEIC I 21 21 49 18.5–1.6 19.81N–.06 94.76E–.07 72–3 4.3b,4.2b
IDC I 21 21 49 19.1–.68 19.92N 94.89E 79–5 4.1,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=7.3km az=61.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=19.1km s-min=8.9km az=38.0.
ISC I 29 21 36 03.7–.37 25.91N–.05 96.46E–.03 10 4.4b,3.4s 182 2-145
IDC I 29 21 36 02.3–.58 26.02N 96.54E 0 4.3L,4.1 **¶610180926**
NDI I 29 21 36 06.4–3.1 25.87N 96.61E 33 4.5b,4.2L
MOS I 29 21 36 06.3–1.0 25.90N 96.42E 43 4.5b,4.2L
NEIC I 29 21 36 08.2–1.2 25.93N–.07 96.50E–.09 41–7 4.5b,4.2L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 08 20 46 15.9–.38 22.53N–.05 94.69E–.04 121 4.3b 144 1-154
BJI II 08 20 46 14.2–.00 22.38N 94.70E 122 4.9b,4.3b **¶610205749**
IDC II 08 20 46 15.9–1.8 22.55N 94.81E 120–16 4.1,3.8b
NEIC II 08 20 46 16.7–2.0 22.54N–.07 94.77E–.06 121–6 4.5b,3.8b
NDI II 08 20 46 18.3–2.5 22.55N 94.47E 120 4.5b,4.1L
ISC Event type se.
IDC Error ellipse: s-maj=17.3km s-min=10.4km az=46.0.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=7.0km az=209.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NDI Error ellipse: s-maj=15.3km s-min=16.0km az=-1.0.
ISC II 10 16 41 18.7–.89 26.8N–.10 96.71E–.08 35 4.0b 30 8-62
IDC II 10 16 41 19.6–3.7 26.70N 96.90E 47–40 3.7,3.5b **¶610415245**
ISC Event type ke.
IDC Error ellipse: s-maj=57.0km s-min=15.5km az=63.0.
ISC II 12 00 08 50.2–1.2 26.8N–.20 96.9E–.10 35 3.3b 8 8-62
IDC II 12 00 08 46.8–1.8 26.98N 97.45E 0 3.2,3.2b **¶610415343**
ISC Event type ke.
IDC Error ellipse: s-maj=83.1km s-min=24.8km az=67.0.
IDC II 16 16 40 59.2–3.2 24.81N 95.07E 136–36 3.2,2.9b ¶610415643
IDC Error ellipse: s-maj=35.5km s-min=20.7km az=47.0.
ISC II 21 13 19 25.0–1.4 20.7N–.30 92.9E–.30 35 3.2b 8 2-60
IDC II 21 13 19 20.2–1.4 20.81N 92.93E 0 3.8L,3.5s **¶610384755**
ISC Event type ke.
IDC Error ellipse: s-maj=70.0km s-min=19.2km az=51.0.
ISC II 22 16 32 47.5–1.3 19.9N–.30 94.0E–.20 35 3.7b 17 5-58
IDC II 22 16 32 41.6–1.4 20.07N 94.04E 0 3.8L,3.6 **¶610384820**
ISC Event type ke.
IDC Error ellipse: s-maj=57.7km s-min=17.2km az=51.0.
ISC II 25 04 52 11.0–.94 21.2N–.20 94.9E–.20 100 3.7b 19 3-59
IDC II 25 04 52 11.6–1.8 20.96N 94.78E 118–18 3.7,3.2b **¶610384977**
ISC Event type ke.
IDC Error ellipse: s-maj=33.8km s-min=12.5km az=48.0.
IDC II 25 16 24 32.3–4.8 23.96N 96.39E 0 3.3,3.3b ¶610385009
IDC Error ellipse: s-maj=519.7km s-min=29.4km az=59.0.
ISC II 25 18 02 46.6–.80 26.5N–.10 96.11E–.09 100 3.3b 21 8-66
IDC II 25 18 02 48.3–3.6 26.48N 96.36E 122–37 3.4,3.0b **¶610385015**
ISC Event type ke.
IDC Error ellipse: s-maj=44.1km s-min=14.2km az=60.0.
IDC II 26 06 17 36.3–4.4 23.91N 95.56E 0 3.4,3.4b ¶610385035
IDC Error ellipse: s-maj=424.0km s-min=28.8km az=59.0.
ISC III 13 14 19 08.6–.45 17.34N–.03 95.84E–.03 18–2 5.0b,4.9s 717 3-165
BJI III 13 14 19 04.8–.00 17.12N 95.70E 24 5.5s,5.4 **¶611832038**
IDC III 13 14 19 05.3–.50 17.36N 95.86E 0 4.8s,4.5
NEIC III 13 14 19 06.7–1.1 17.40N–.06 96.00E–.07 10–1 5.1b,4.5
GCMT III 13 14 19 07.7–.10 17.23N–.01 96.09E–.01 12 5.2W,4.5
DJA III 13 14 19 08.9–.20 18N–2.0 96E–3.0 13–1 5.7,5.3b
MOS III 13 14 19 08.6–1.3 17.41N 95.90E 32 5.1b,5.1s
NDI III 13 14 19 09.8–4.2 17.18N 95.76E 10 5.1b,4.5L
ISC Event type se.
IDC Error ellipse: s-maj=13.8km s-min=10.7km az=8.0.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=10.5km az=119.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s77,c108; s128,c242;Duration: 1s0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.08±.12 $M_{\theta\theta}$2.30±.12; $M_{\phi\phi}$-1.22±.12; $M_{r\theta}$0.74±.33; $M_{r\phi}$7.40±.10; $M_{\theta\phi}$0.67±.31; Best double couple: NP1:ϕ_s7.00000°,δ86.00000°,λ175.00000°. NP2:ϕ_s97.00000°,δ85.00000°,λ4.00000°. Principal axes: T 8.2520,Plg6.0000°,Azm322.0000° ; N -1.1840,Plg84.0000°,Azm148.0000°; P -7.0670,Plg1.0000°,Azm52.0000° $M_0$7.65900×10^{16}
MOS Error ellipse: s-maj=6.6km s-min=3.9km az=113.8.
NDI Error ellipse: s-maj=11.7km s-min=25.2km az=-1.0.
ISC III 13 14 29 49.5–1.3 17.2N–.20 95.9E–.10 10 3.8b 16 3-55
IDC III 13 14 29 47.9–1.3 17.23N 95.96E 0 3.6,3.6b **¶610546144**
ISC Event type ke.
IDC Error ellipse: s-maj=23.9km s-min=18.3km az=39.0.
ISC III 13 15 49 03.7–1.1 17.3N–.20 95.9E–.10 10 3.7b,3.6s 19 3-88
IDC III 13 15 49 02.2–1.1 17.19N 96.02E 0 3.7,3.7b **¶610546150**
ISC Event type ke.
IDC Error ellipse: s-maj=24.9km s-min=18.6km az=17.0.
ISC III 23 13 46 03.5–1.7 22.0N–.40 94.3E–.40 100 3.7b 11 4-60
IDC III 23 13 46 04.6–3.6 22.02N 94.40E 116–31 3.6,3.3b **¶610543541**
ISC Event type ke.
IDC Error ellipse: s-maj=64.8km s-min=13.2km az=58.0.
ISC III 25 16 36 21.2–1.1 22.3N–.20 94.4E–.10 100 3.7b 7 3-60
IDC III 25 16 36 20.6–2.5 22.36N 94.45E 95–27 3.5,3.2s **¶610543656**
ISC Event type ke.
IDC Error ellipse: s-maj=39.6km s-min=17.3km az=35.0.
ISC III 30 10 34 53.9–.66 17.23N–.07 96.01E–.05 10 4.2b,3.7s 50 3-90
NEIC III 30 10 34 52.4–1.1 17.2N–.10 95.9E–.10 6–3 4.2b,3.7s **¶610460753**
NDI III 30 10 34 54.6–2.5 17.15N 96.23E 10 4.2b,3.8L
IDC III 30 10 34 55.2–.98 17.63N 95.87E 0 4.0,4.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=20.2km s-min=6.7km az=45.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NDI Error ellipse: s-maj=8.3km s-min=27.3km az=-1.0.
IDC Error ellipse: s-maj=26.0km s-min=14.8km az=9.0.
IDC IV 13 03 27 40.1–1.7 22.86N 95.96E 0 3.6L,3.4 ¶610652602
IDC Error ellipse: s-maj=42.3km s-min=19.5km az=61.0.
ISC IV 23 04 19 48.6–.92 20.1N–.10 95.0E–.10 97 3.9b 15 4-83
IDC IV 23 04 19 47.7–1.1 20.08N 94.76E 86–9 3.8,3.5b **¶610649795**
ISC Event type ke.
IDC Error ellipse: s-maj=31.6km s-min=14.2km az=61.0.
ISC VI 03 02 42 57.6–.76 24.74N–.04 95.10E–.04 112–8 4.2b 101 1-144
NEIC VI 03 02 42 58.1–1.6 24.77N–.08 95.17E–.10 109–10 4.1b **¶610660630**
NDI VI 03 02 42 59.1–1.9 24.79N 95.04E 123–15 4.4L
IDC VI 03 02 42 59.6–3.1 24.71N 95.30E 132–30 4.2,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.0km s-min=7.0km az=47.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NDI Error ellipse: s-maj=5.5km s-min=8.5km az=-1.0.
IDC Error ellipse: s-maj=18.5km s-min=11.0km az=57.0.
IDC VI 03 15 38 28.6–1.9 20.21N 92.88E 0 3.7L,3.6 ¶610791179
IDC Error ellipse: s-maj=65.4km s-min=28.5km az=47.0.
IDC VI 11 13 22 01.9–11 23.94N 95.90E 0 3.5L,3.3b ¶610791652
IDC Error ellipse: s-maj=584.9km s-min=59.5km az=70.0.
ISC VI 14 05 53 02.4–.69 22.9N–.10 94.76E–.09 150 3.9b 18 3-144
IDC VI 14 05 53 02.5–.78 22.96N 94.75E 147–8 4.0s,4.0 **¶610760942**
ISC Event type ke.
IDC Error ellipse: s-maj=16.6km s-min=9.8km az=34.0.

(297) Myanmar-China border region.

IDC I 01 06 57 53.8–2.7 24.54N 98.44E 0 3.6s,3.3 ¶610236362
IDC Error ellipse: s-maj=341.7km s-min=28.3km az=58.0.
ISC I 16 17 34 05.0–1.0 22.63N–.10 100.5E–.20 10 3.3b 8 4-56
IDC I 16 17 34 03.3–1.1 22.60N 100.38E 0 3.5s,3.4 **¶610237528**
ISC Event type ke.
IDC Error ellipse: s-maj=38.2km s-min=15.5km az=91.0.
IDC III 11 07 11 59.4–3.1 24.66N 97.43E 0 4.0L,3.6 ¶610546004
IDC Error ellipse: s-maj=61.3km s-min=35.0km az=93.0.
IDC V 15 18 08 48.0–1.3 25.89N 97.44E 0 3.4b,3.3 ¶610690346
IDC Error ellipse: s-maj=80.9km s-min=20.1km az=64.0.

(298) Near south coast of Myanmar.

IDC I 07 20 08 57.6–1.7 16.14N 98.59E 0 3.5L,3.4 ¶610236919
IDC Error ellipse: s-maj=23.0km s-min=15.2km az=77.0.
ISC II 13 17 21 44.6–1.2 15.5N–.10 96.0E–.10 28 3.8b 10 4-67
IDC II 13 17 21 40.1–1.1 15.37N 95.87E 0 3.8b,3.8L **¶610415463**
ISC Event type ke.
IDC Error ellipse: s-maj=23.1km s-min=20.3km az=72.0.
ISC II 16 19 25 55.9–1.6 16.3N–.20 96.0E–.20 20 3.6b,3.3s 6 3-73
IDC II 16 19 25 52.4–1.3 16.28N 95.88E 0 3.9L,3.5 **¶610415645**
ISC Event type ke.
IDC Error ellipse: s-maj=26.7km s-min=21.5km az=83.0.
IDC III 24 22 19 03.5–1.6 16.93N 94.97E 0 3.9L,3.5 ¶610543618
IDC Error ellipse: s-maj=41.0km s-min=25.2km az=45.0.
ISC V 25 12 00 57.8–1.0 15.7N–.10 96.0E–.10 28 4.1b,3.2s 16 4-87
IDC V 25 12 00 53.6–.93 15.66N 95.95E 0 4.0,4.0b **¶610667735**
ISC Event type ke.
IDC Error ellipse: s-maj=21.1km s-min=18.9km az=48.0.
ISC VI 07 02 22 45.0–4.0 15.9N–.40 95.9E–.10 10 12 4-67
IDC VI 07 02 22 45.3–2.5 16.15N 95.68E 0 3.6L,3.5b **¶610791369**
ISC Event type ke.
IDC Error ellipse: s-maj=33.6km s-min=22.7km az=179.0.

(733) Thailand.

IDC IV 22 07 57 42.2–2.1 18.73N 100.45E 0 3.7,3.7b ¶610653248
IDC Error ellipse: s-maj=21.8km s-min=13.8km az=96.0.
ISC V 27 15 14 13.9–1.2 19.4N–.10 99.5E–.20 35 3.7b 7 1-65
IDC V 27 15 14 09.7–1.0 19.53N 99.47E 0 3.8,3.8b ¶610685502
ISC Event type ke.
IDC Error ellipse: s-maj=18.7km s-min=11.0km az=95.0.

(734) Laos.

ISC IV 18 09 13 11.0–.50 20.62N–.03 100.22E–.04 14–2 4.7b,4.2s 431 0-125
IDC IV 18 09 13 08.8–.48 20.72N 100.22E 0 4.5b,4.4 ¶610529788
MOS IV 18 09 13 09.5–1.2 20.71N 100.18E 14 4.8b,4.3s
GCMT IV 18 09 13 10.1–.20 20.68N–.01 100.17E–.01 22–1 4.9W,4.3s
NEIC IV 18 09 13 10.1–1.5 20.71N–.06 100.15E–.06 10–4 4.7b,4.3s
BJI IV 18 09 13 11.1–.00 20.75N 100.25E 17 5.0L,5.0s
ISC Event type se. Moment Tensor Solution. NP1:ϕs321.29355°,δ75.65743°,λ-166.74326°. NP2: ϕs227.95351°,δ77.16362°,λ-14.71840°. Principal axes: T Plg1.0353°,Azm274.7953° ; N Plg70.5642°,Azm7.7308°; P Plg19.4060°,Azm184.4305°
IDC Error ellipse: s-maj=13.4km s-min=10.4km az=89.0.
MOS Error ellipse: s-maj=10.7km s-min=6.2km az=100.6.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s29,c32; s101,c143;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr-0.34±.14 Mθθ-2.65±.10; Mϕϕ2.99±.11; Mrθ0.03±.18; Mθϕ1.04±.10; Mϕr-0.39±.17; Best double couple: NP1:ϕs145.00000°,δ87.00000°,λ174.00000°. NP2:ϕs235.00000°,δ84.00000°,λ3.00000°. Principal axes: T 3.2170,Plg6.0000° ,Azm100.0000°; N -0.3810,Plg83.0000°,Azm301.0000°; P -2.8400,Plg2.0000° ,Azm190.0000° M0 3.02800$\times10^{16}$
NEIC Event type se. Error ellipse: s-maj=9.0km s-min=8.2km az=57.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 05 22 10 02.5–.46 19.79N–.04 101.47E–.04 10 4.4b,3.0s 77 1-93
BJI V 05 22 09 59.4–.00 19.43N 101.55E 15 4.5b,4.3L ¶611833733
IDC V 05 22 10 00.8–.75 19.77N 101.48E 0 4.1b,4.1L
NEIC V 05 22 10 04.3–1.6 19.90N–.05 101.52E–.05 17–5 4.5b,4.1L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(736) Vietnam.

ISC I 27 10 23 56.6–.78 16.05N–.10 107.37E–.09 10 3.9b 24 4-82
NEIC I 27 10 23 56.7–.92 16.01N–.06 107.39E–.08 10–1 4.4b ¶610235474
IDC I 27 10 23 58.0–1.2 16.21N 107.26E 0 4.3L,3.6
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.9km s-min=10.0km az=70.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=41.8km s-min=19.5km az=48.0.

SEISMIC REGION 26.
India-Xizang-Szechwan-Yunnan.

(302) Eastern Kashmir.

ISC I 09 20 25 52.5–.48 35.67N–.04 77.91E–.05 82 3.9b 100 4-82
IDC I 09 20 25 52.0–2.8 35.58N 77.80E 75–26 3.9,3.5b ¶610105233
NEIC I 09 20 25 53.3–1.1 35.68N–.10 77.83E–.07 82–12 4.1b,3.5b
NNC I 09 20 26 03.3–5.2 36.35N 78.01E 128–38 4.5,3.5b
ISC Event type se.
IDC Error ellipse: s-maj=18.0km s-min=13.0km az=38.0.
NEIC Event type se. Error ellipse: s-maj=14.4km s-min=7.7km az=161.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=51.2km s-min=22.4km az=170.0.
ISC I 30 02 09 46.9–.79 35.81N–.08 78.64E–.08 10 3.5b 41 7-79
IDC I 30 02 09 45.7–.79 35.89N 78.51E 0 3.7,3.6b ¶610159938
NNC I 30 02 09 47.0–3.3 35.88N 78.52E 0 4.1,4.0b
ISC Event type se.
IDC Error ellipse: s-maj=21.2km s-min=14.1km az=51.0.
NNC Event type se. Error ellipse: s-maj=36.6km s-min=20.6km az=134.0.
ISC III 09 08 35 31.7–.71 35.62N–.06 76.4E–.10 35 3.5b 20 3-82
IDC III 09 08 35 23.7–1.1 35.21N 76.62E 0 3.6s,3.6 ¶610545865
ISC Event type ke.
IDC Error ellipse: s-maj=29.5km s-min=21.2km az=63.0.
IDC IV 02 11 14 21.0–9.8 35.85N 77.53E 0 3.4b,3.3s ¶610651756
IDC Error ellipse: s-maj=178.1km s-min=48.3km az=136.0.
ISC IV 18 05 11 53.9–.40 34.06N–.03 76.50E–.03 37–1 4.5b,3.6s 334 1-153
IDC IV 18 05 11 47.9–.49 33.84N 76.45E 0 4.6L,4.5 ¶610529601
MOS IV 18 05 11 51.2–1.0 33.95N 76.49E 30 4.6b,4.5
BJI IV 18 05 11 53.0–.00 33.93N 76.39E 53 4.8b,4.8b
NEIC IV 18 05 11 55.4–1.9 33.96N–.07 76.42E–.05 51–7 4.6b,4.8b
NDI IV 18 05 11 56.7–3.6 34.00N 76.54E 33 4.7b,4.6b
NNC IV 18 05 12 06.3–2.6 34.70N 76.24E 109–21 4.9,4.4b
ISC Event type se.
IDC Error ellipse: s-maj=13.9km s-min=10.2km az=29.0.
MOS Error ellipse: s-maj=7.8km s-min=4.8km az=114.5.
NEIC Event type se. Error ellipse: s-maj=11.0km s-min=2.7km az=206.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NDI Error ellipse: s-maj=16.7km s-min=10.4km az=-1.0.
NNC Event type se. Error ellipse: s-maj=22.8km s-min=20.3km az=39.0.
ISC V 01 17 24 10.7–1.8 34.0N–.20 77.7E–.20 10 3.6b 7 9-44
IDC V 01 17 24 09.3–2.0 34.00N 77.77E 0 3.6s,3.5b ¶610689330
ISC Event type ke.
IDC Error ellipse: s-maj=62.7km s-min=24.1km az=53.0.
ISC V 23 17 42 42.2–1.1 35.66N–.10 76.7E–.10 10 3.4b 9 7-78
IDC V 23 17 42 40.5–1.6 35.70N 76.72E 0 3.5b,3.4 ¶610685237
NNC V 23 17 42 41.0–5.8 36.18N 73.19E 0 3.3b,3.0
ISC Event type ke.
IDC Error ellipse: s-maj=35.7km s-min=25.8km az=62.0.
NNC Event type se. Error ellipse: s-maj=43.4km s-min=33.1km az=150.0.
ISC V 29 13 53 27.7–.69 33.21N–.04 75.86E–.04 35–2 4.4b,3.2s 261 1-84
IDC V 29 13 53 22.6–.70 33.14N 75.87E 0 4.1,4.1b ¶610655586
NDI V 29 13 53 25.5–2.2 33.22N 75.91E 5 4.5b,4.1L
MOS V 29 13 53 26.9–.98 33.27N 75.88E 37 4.6b,4.1L
BJI V 29 13 53 26.6–.00 33.27N 76.16E 12 4.6b,4.3b
NEIC V 29 13 53 29.2–1.4 33.3N–.10 75.93E–.09 36–8 4.5b,4.3b
NNC V 29 13 53 35.5–4.2 33.67N 75.75E 68–35 4.3b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=17.1km s-min=12.9km az=29.0.
NDI Error ellipse: s-maj=8.8km s-min=7.0km az=-1.0.
MOS Error ellipse: s-maj=9.1km s-min=3.8km az=95.0.
NEIC Event type se. Error ellipse: s-maj=15.6km s-min=11.0km az=189.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=37.9km s-min=29.3km az=54.0.

(303) Kashmir-India border region.

ISC II 04 07 05 19.8–.65 32.39N–.04 76.59E–.05 14 3.6b 25 1-85
IDC II 04 07 05 17.5–1.4 32.32N 76.80E 0 3.6,3.5b ¶610414793
NDI II 04 07 05 20.4–1.6 32.34N 76.56E 5 3.4L,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=38.8km s-min=23.4km az=83.0.
NDI Error ellipse: s-maj=5.7km s-min=5.2km az=-1.0.
NDI III 09 08 39 54.8–2.3 32.69N 76.73E 5 3.3L ¶611866896
NDI Error ellipse: s-maj=9.1km s-min=9.5km az=-1.0.
ISC III 14 00 17 57.4–1.1 33.05N–.03 76.26E–.05 19–3 3.7b 34 1-76
IDC III 14 00 17 55.2–1.3 33.10N 76.26E 0 3.7,3.7b ¶610546167
NDI III 14 00 17 58.4–1.6 33.01N 76.19E 5 3.3L,3.7b
NNC III 14 00 17 59.0–6.1 33.56N 76.75E 0 3.3b,3.0
ISC Event type se.
IDC Error ellipse: s-maj=25.2km s-min=22.8km az=89.0.
NDI Error ellipse: s-maj=4.4km s-min=5.7km az=-1.0.
NNC Event type se. Error ellipse: s-maj=127.6km s-min=47.5km az=84.0.
ISC V 02 09 51 42.4–.70 32.82N–.05 76.27E–.06 10 3.7b 21 1-85
IDC V 02 09 51 40.2–1.4 32.85N 76.42E 0 3.7,3.6b ¶610689381
NDI V 02 09 51 45.2–1.9 32.70N 76.16E 10 3.5L,3.6b
NNC V 02 09 51 54.3–11 33.72N 76.22E 12–145 3.5b,3.1
ISC Event type se.
IDC Error ellipse: s-maj=36.7km s-min=25.4km az=87.0.
NDI Error ellipse: s-maj=8.9km s-min=7.0km az=-1.0.
NNC Event type se. Error ellipse: s-maj=161.1km s-min=85.8km az=112.0.
ISC V 19 00 02 30.7–.60 32.89N–.04 76.37E–.04 34–2 4.4b,3.3s 193 1-148
IDC V 19 00 02 25.0–.57 32.75N 76.24E 0 4.2,4.1b ¶610643014
NDI V 19 00 02 28.7–2.6 32.93N 76.35E 5–8 4.1L,4.1b
BJI V 19 00 02 28.6–.00 32.94N 76.05E 33 4.6b,4.4b
MOS V 19 00 02 29.4–1.2 32.98N 76.18E 32 4.8b,4.4b
NEIC V 19 00 02 33.5–1.6 33.02N–.10 76.1E–.10 43–8 4.5b,4.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 20 03 41 42.1–2.2 32.96N–.07 76.35E–.07 6–16 3.5b,3.3s 15 1-70
IDC V 20 03 41 40.4–3.0 32.88N 76.19E 0 3.6,3.5b ¶610659522
NDI V 20 03 41 42.7–1.7 32.96N 76.35E 5 3.4L,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=71.5km s-min=33.0km az=146.0.
NDI Error ellipse: s-maj=7.6km s-min=6.8km az=-1.0.
ISC V 20 05 48 42.0–1.3 32.94N–.04 76.41E–.04 17–9 4.0b 77 1-84
IDC V 20 05 48 39.1–.87 32.79N 76.15E 0 3.9,3.9L ¶610645716
NDI V 20 05 48 43.2–2.4 32.93N 76.33E 10 4.2b,4.0L
NEIC V 20 05 48 44.5–2.0 32.9N–.10 76.3E–.10 35–9 4.2b,4.0L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 21 04 27 08.7–1.7 32.37N–.06 76.81E–.06 5–12 3.6b 17 0-85
IDC V 21 04 27 08.2–1.4 32.49N 76.36E 0 3.5,3.5b ¶610659527
NDI V 21 04 27 12.0–2.1 32.26N 76.65E 5 3.7L,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=45.4km s-min=31.3km az=83.0.
NDI Error ellipse: s-maj=7.6km s-min=8.7km az=-1.0.

(304) Kashmir-Xizang border region.

ISC IV 22 08 26 04.0–1.4 35.8N–.10 80.2E–.10 9 3.8b 23 8-81
IDC IV 22 08 26 00.2–2.1 35.54N 80.31E 0 3.8b,3.7 ¶610653251
NNC IV 22 08 26 11.7–1.5 36.34N 79.69E 2–6 3.7b,3.5
ISC Event type se.
IDC Error ellipse: s-maj=42.9km s-min=32.0km az=119.0.
NNC Event type se. Error ellipse: s-maj=11.3km s-min=8.3km az=129.0.

(305) Western Xizang-India border region.

ISC II 03 13 35 47.6–1.3 30.60N–.05 79.43E–.06 29–12 27 1-49
NDI II 03 13 35 46.9–2.2 30.52N 79.32E 0–13 3.4L ¶610414742
IDC II 03 13 35 47.5–12 30.73N 78.82E 0 3.9b,3.6
ISC Event type ke.
NDI Error ellipse: s-maj=7.5km s-min=14.4km az=-1.0.
IDC Error ellipse: s-maj=263.9km s-min=68.9km az=122.0.
ISC II 06 17 03 05.8–.42 30.58N–.02 79.08E–.02 15–2 5.6b,4.9s 1482 1-154
BGR II 06 17 03 00.8 29.37N 79.32E 19–0 5.7b,4.8s ¶610198067
DMN II 06 17 03 05.3–.16 30.88N 78.98E 10 5.9L,4.8s
MOS II 06 17 03 05.3–.93 30.65N 79.12E 22 5.8b,4.9s
BJI II 06 17 03 06.3–.00 30.81N 79.43E 10 5.5b,5.3b
NEIC II 06 17 03 06.5–1.4 30.65N–.08 79.17E–.08 16–3 5.6b,5.1
IDC II 06 17 03 06.6–2.1 30.53N 79.10E 20–12 5.2L,5.1b
NDI II 06 17 03 07.1–3.3 30.46N 79.10E 5 5.6b,5.2L
GCMT II 06 17 03 10.5–.20 30.41N–.01 78.85E–.01 21–0 5.3W,5.2L
ISC Event type ke. Moment Tensor Solution. NP1:ϕs95.61785°,δ73.25269°,λ50.47541°. NP2: ϕs346.36609°,δ42.38477°,λ154.69371°. Principal axes: T Plg46.5560°,Azm324.7421° ; N Plg37.5473°,Azm108.9912°; P Plg18.5746°,Azm213.9602°
ISC Event type ke. Hypocentre not reviewed by the ISC.
DMN Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; Mrr4.16 Mθθ-4.79 Mϕϕ0.63 Mrθ2.39 Mθϕ1.15 Mϕr-0.62 NP1:ϕs103.25000°,δ59.13000°,λ92.05000°. NP2:ϕs279.27000°,δ30.93000° ,λ86.58000°. Principal axes: T 4.7836,Plg76.0000°,Azm19.0000°; N 0.8620,Plg2.0000° ,Azm282.0000°; P -5.6456,Plg14.0000°,Azm192.0000° M0 5.27000$\times10^{16}$
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s92,c115; s132,c212;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; Mrr0.78±.02 Mθθ-0.75±.02; Mϕϕ-0.03±.02; Mrθ0.82±.04; Mθϕ0.27±.01; Mϕr-0.14±.03; Best double couple: NP1:ϕs102.00000°,δ68.00000°,λ85.00000°. NP2:ϕs295.00000°,δ23.00000°,λ102.00000°. Principal axes: T 1.1380,Plg67.0000° ,Azm3.0000°; N 0.0450,Plg5.0000°,Azm104.0000°; P -1.1840,Plg23.0000°,Azm196.0000° M0 1.16100$\times10^{17}$
ISC II 06 20 21 45.8–2.6 30.47N–.06 79.10E–.06 8–20 17 1-6
NDI II 06 20 21 46.1–3.1 30.47N 79.14E 10 3.6L ¶611784258
ISC Event type ke.
NDI Error ellipse: s-maj=9.9km s-min=10.2km az=-1.0.
ISC IV 07 10 32 55.7–.60 30.54N–.04 79.50E–.06 17 3.5b 36 1-87
IDC IV 07 10 32 52.1–.99 30.38N 79.57E 0 3.5,3.5b ¶610652145
NDI IV 07 10 32 57.1–2.5 30.56N 79.39E 10 3.9L,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=32.6km s-min=19.4km az=65.0.
NDI Error ellipse: s-maj=8.4km s-min=10.2km az=-1.0.
ISC IV 16 23 09 52.3–1.3 30.57N–.05 79.11E–.04 15–9 3.4b 29 1-87
IDC IV 16 23 09 49.5–.97 30.42N 79.02E 0 3.5,3.5b ¶610652894
NDI IV 16 23 09 54.5–2.8 30.48N 79.11E 10 3.4L,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=35.5km s-min=19.2km az=55.0.
NDI Error ellipse: s-maj=8.1km s-min=7.4km az=-1.0.
ISC IV 23 01 39 17.7–1.3 31.81N–.04 78.16E–.04 26–11 3.7b 56 1-85
IDC IV 23 01 39 13.7–.81 31.68N 78.07E 0 3.7,3.7b ¶610649786
NDI IV 23 01 39 20.5–3.3 31.64N 78.02E 5 3.6L,3.7b
NNC IV 23 01 39 28.5–13 32.04N 77.32E 231–380 2.5b,3.7b
ISC Event type se.
IDC Error ellipse: s-maj=24.0km s-min=15.1km az=53.0.
NDI Error ellipse: s-maj=8.8km s-min=10.9km az=-1.0.
NNC Event type se. Error ellipse: s-maj=141.2km s-min=77.1km az=72.0.

(306) Xizang.

ISC I 04 14 12 51.0–.71 30.59N–.03 83.76E–.03 1–4 4.7b,4.0s 520 2-146
DMN I 04 14 12 44.7–.37 31.42N 83.07E 30 4.7L,4.0s ¶609978255
IDC I 04 14 12 50.6–.41 30.58N 83.88E 0 4.4,4.4b
NDI I 04 14 12 52.9–6.0 30.52N 83.87E 10–57 4.7b,4.6b
NEIC I 04 14 12 52.3–1.8 30.50N–.08 83.73E–.09 10–1 4.7b,4.6b
MOS I 04 14 12 52.6–1.1 30.63N 83.76E 23 4.9b,4.0s
BJI I 04 14 12 53.8–.00 30.70N 83.68E 7 4.8b,4.7b
GCMT I 04 14 12 55.3–.30 30.43N–.02 83.87E–.02 19–1 4.8W,4.7b
ISC Event type se.
DMN Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s14,c15; s85,c118;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr0.58±.10 Mθθ-1.49±.09; Mϕϕ0.91±.07; Mrθ0.28±.16; Mθϕ-1.43±.06; Mϕr-0.42±.17; Best double couple: NP1:ϕs108.00000°,δ76.00000°,λ163.00000°. NP2:ϕs202.00000°,δ73.00000°,λ15.00000°. Principal axes: T 1.7880,Plg22.0000° ,Azm65.0000°; N 0.3720,Plg67.0000°,Azm249.0000°; P -2.1580,Plg2.0000°,Azm155.0000° M0 1.97300$\times10^{16}$
IDC I 06 01 53 25.6–2.0 28.24N 86.66E 0 3.9L,3.5 ¶610236804

IDC Error ellipse: s-maj=63.7km s-min=31.5km az=59.0.
IDC I 10 06 04 54.2–7.8 30.28N 94.63E 0 3.7L,3.4
¶610237054
IDC Error ellipse: s-maj=128.2km s-min=56.6km az=159.0.
ISC I 14 00 11 27.3–.86 33.82N–.08 88.4E–.20 35 14 6-82
IDC I 14 00 11 25.2–6.1 33.44N 87.49E 55–55 3.5,3.4s **¶610237321**
ISC Event type ke.
IDC Error ellipse: s-maj=79.7km s-min=26.9km az=70.0.
ISC I 17 02 13 46.2–1.6 30.7N–.20 83.2E–.30 35 3.3b 8 16-86
IDC I 17 02 13 41.0–1.8 30.66N 83.22E 0 3.9s,3.4 **¶610237560**
ISC Event type ke.
IDC Error ellipse: s-maj=61.2km s-min=26.7km az=58.0.
ISC I 17 20 52 29.8–1.7 30.6N–.20 87.4E–.30 35 3.3b 8 16-70
IDC I 17 20 52 25.2–1.7 30.59N 87.31E 0 3.4L,3.3 **¶610237622**
ISC Event type ke.
IDC Error ellipse: s-maj=65.0km s-min=20.3km az=66.0.
ISC I 19 09 59 41.0–.56 28.89N–.06 88.37E–.05 10 4.0b 48 2-68
IDC I 19 09 59 37.2–1.1 28.65N 88.36E 0 4.0,4.0b **¶610237719**
NEIC I 19 09 59 42.5–2.1 28.98N–.06 88.3E–.10 10–1 4.1b,4.0b
NDI I 19 09 59 46.6–1.8 28.65N 88.55E 155–34 4.1b,4.1L
ISC Event type se.
IDC Error ellipse: s-maj=37.5km s-min=19.6km az=56.0.
NEIC Event type se. Error ellipse: s-maj=17.8km s-min=6.5km az=238.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NDI Error ellipse: s-maj=16.3km s-min=5.9km az=-1.0.
ISC I 19 11 56 56.5–.85 31.2N–.10 88.3E–.10 35 3.8s,3.8b 12 16-92
IDC I 19 11 56 51.6–.88 31.14N 88.22E 0 4.0L,3.8s **¶610237725**
ISC Event type ke.
IDC Error ellipse: s-maj=28.7km s-min=17.3km az=49.0.
ISC I 20 17 00 52.5–.81 32.8N–.10 93.3E–.20 35 3.9b,3.5s 16 15-82
IDC I 20 17 00 47.5–.81 32.80N 93.35E 0 3.8b,3.7 **¶610180899**
ISC Event type ke.
IDC Error ellipse: s-maj=34.7km s-min=15.2km az=54.0.
ISC I 23 20 39 26.1–.78 32.69N–.09 93.6E–.10 10 3.7b 16 7-82
IDC I 23 20 39 23.9–1.3 32.60N 93.40E 0 3.6,3.6b **¶610235219**
ISC Event type ke.
IDC Error ellipse: s-maj=53.3km s-min=19.1km az=64.0.
ISC I 24 13 06 46.6–.80 31.51N–.08 85.1E–.10 10 3.5b 20 3-85
DMN I 24 13 06 42.3–3.1 31.79N 84.99E 10 4.8b **¶610235266**
IDC I 24 13 06 43.5–1.4 31.26N 84.91E 0 3.6,3.6b
ISC Event type ke.
DMN Event type ke. Error ellipse: s-maj=71.3km s-min=10.5km az=174.0.
IDC Error ellipse: s-maj=61.8km s-min=18.3km az=61.0.
ISC I 25 01 11 36.2–.81 33.10N–.08 84.8E–.10 35 3.5b 15 5-83
IDC I 25 01 11 30.0–1.2 32.89N 84.65E 0 3.5,3.5b **¶610235293**
ISC Event type ke.
IDC Error ellipse: s-maj=31.6km s-min=23.3km az=62.0.
IDC I 25 04 04 12.3–1.9 32.82N 93.47E 0 3.4,3.4b
¶610235294
IDC Error ellipse: s-maj=72.4km s-min=25.6km az=64.0.
ISC I 27 01 03 05.1–.67 32.62N–.05 91.8E–.10 10 3.7b,3.1s 18 3-73
IDC I 27 01 03 03.5–1.3 32.72N 91.81E 0 3.5,3.4b **¶610235425**
ISC Event type ke.
IDC Error ellipse: s-maj=50.5km s-min=18.9km az=63.0.
ISC I 31 06 16 02.1–.53 31.49N–.03 93.98E–.03 17–3 4.4b,3.9s 179 3-100
IDC I 31 06 15 59.5–.58 31.58N 94.13E 0 4.2,4.2b **¶610150203**
BJI I 31 06 16 00.9–.00 31.49N 94.01E 10 4.7b,4.6s
MOS I 31 06 16 01.8–.94 31.50N 94.06E 31 4.7b,4.6s
GCMT I 31 06 16 02.3–.40 31.46N–.02 94.07E–.02 22–1 4.8W,4.6s
NEIC I 31 06 16 04.3–2.9 31.59N–.08 94.12E–.10 33–5 4.5b,4.6s
NDI I 31 06 16 17.4–3.5 30.67N 92.78E 33 4.7b,4.5b
DMN I 31 06 16 48.1–.00 30.22N 90.37E 162 4.7b,4.5b
ISC Event type se.
IDC Error ellipse: s-maj=16.9km s-min=11.8km az=45.0.
MOS Error ellipse: s-maj=9.7km s-min=5.6km az=108.2.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s8,c9; s74,c100;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-0.79±.18 $M_{\theta\theta}$-0.94±.10; $M_{\phi\phi}$1.73±.12; $M_{r\theta}$-0.24±.17; $M_{\theta\phi}$1.52±.09; $M_{\phi r}$0.06±.15; Best double couple: NP1:ϕ_s68.00000°,δ80.00000°,λ-11.00000°. NP2:ϕ_s160.00000°,δ79.00000°,λ-170.00000°. Principal axes: T 2.4180,Plg1.0000° ,Azm114.0000°; N -0.7210,Plg75.0000°,Azm207.0000°; P -1.6980,Plg15.0000° ,Azm24.0000° $M_0$2.05800×10^{16}
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=10.8km az=99.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NDI Error ellipse: s-maj=39.9km s-min=31.6km az=-1.0.
DMN Event type ke.
ISC II 01 10 07 44.0–.43 30.64N–.03 83.29E–.03 11–2 5.0b,4.5s 792 2-157
IDC II 01 10 07 42.5–.42 30.64N 83.37E 0 4.6,4.6b **¶610159957**
DMN II 01 10 07 43.0–.00 31.06N 82.94E 60 4.6,4.6b
MOS II 01 10 07 43.1–1.1 30.77N 83.34E 13 5.3b,4.5s
NEIC II 01 10 07 44.2–1.5 30.69N–.07 83.37E–.08 10–1 5.1b,4.5s
BJI II 01 10 07 44.1–.00 30.71N 83.29E 10 5.0b,5.0s
GCMT II 01 10 07 46.2–.10 30.48N–.01 83.35E–.01 14–0 5.2W,5.0s
NDI II 01 10 07 48.7–3.9 30.28N 83.22E 10 5.1b,4.3L
ISC Event type se.
IDC Error ellipse: s-maj=12.9km s-min=10.2km az=25.0.
MOS Error ellipse: s-maj=5.6km s-min=3.0km az=117.8.
NEIC Event type se. Error ellipse: s-maj=13.0km s-min=10.2km az=41.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s84,c108; s112,c198;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-5.60±.17 $M_{\theta\theta}$-1.35±.13; $M_{\phi\phi}$6.95±.13; $M_{r\theta}$2.29±.33; $M_{\theta\phi}$1.00±.10; $M_{\phi r}$-1.77±.26; Best double couple: NP1:ϕ_s344.00000°,δ56.00000°,λ-119.00000°. NP2:ϕ_s210.00000°,δ43.00000°,λ-54.00000°. Principal axes: T 7.2510,Plg7.0000° ,Azm95.0000°; N -0.3560,Plg24.0000°,Azm2.0000°; P -6.8940,Plg65.0000°,Azm200.0000° $M_0$7.07300×10^{16}
NDI Error ellipse: s-maj=14.8km s-min=7.3km az=-1.0.
IDC II 01 12 23 11.4–3.2 30.66N 83.34E 0 3.4,3.4b
¶610414611
IDC Error ellipse: s-maj=93.3km s-min=29.6km az=71.0.
ISC II 02 00 28 45.0–1.5 30.6N–.20 83.3E–.30 18 3.6b 11 14-86
IDC II 02 00 28 42.0–1.5 30.50N 83.25E 0 4.4s,4.3L **¶610414636**
ISC Event type ke.
IDC Error ellipse: s-maj=53.1km s-min=19.2km az=62.0.
IDC II 05 23 59 48.9–4.1 30.47N 83.08E 0 3.4s,3.3b
¶610414916
IDC Error ellipse: s-maj=119.0km s-min=34.4km az=77.0.
ISC II 06 05 24 39.6–.39 32.01N–.06 83.93E–.05 10 4.4b,3.4s 112 7-146
IDC II 06 05 24 39.2–.69 32.02N 84.06E 0 3.9,3.9b **¶610198050**
NEIC II 06 05 24 39.4–2.8 32.01N–.07 83.98E–.09 10–1 4.6b,3.9b
BJI II 06 05 24 40.1–.00 32.32N 83.94E 8 4.7b,4.3b
ISC Event type se.
IDC Error ellipse: s-maj=19.8km s-min=14.2km az=42.0.
NEIC Event type se. Error ellipse: s-maj=13.7km s-min=10.3km az=52.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 14 00 35 32.7–1.1 34.47N–.09 83.1E–.20 35 16 6-82
IDC II 14 00 35 22.0–4.8 33.78N 82.67E 0 3.4,3.2b **¶610415476**
ISC Event type ke.
IDC Error ellipse: s-maj=78.8km s-min=51.3km az=30.0.
ISC II 24 09 46 36.8–.68 30.91N–.06 91.7E–.10 10 3.8b 18 1-83
IDC II 24 09 46 35.6–.96 30.94N 91.75E 0 3.7,3.7L **¶610384927**
ISC Event type ke.
IDC Error ellipse: s-maj=42.0km s-min=17.2km az=58.0.
ISC II 26 18 48 46.9–.70 30.20N–.03 83.56E–.03 18–3 4.6b,3.7s 466 2-151
DMN II 26 18 48 42.7–.63 30.82N 83.35E 10 4.5L,3.7s **¶611831892**
IDC II 26 18 48 44.1–.49 30.14N 83.56E 0 4.4,4.3b
NEIC II 26 18 48 45.7–2.5 30.21N–.08 83.50E–.05 10–1 4.7b,4.3b
MOS II 26 18 48 45.2–.99 30.22N 83.56E 17 4.8b,4.3b
BJI II 26 18 48 46.2–.00 30.28N 83.52E 7 4.8b,4.4b
NDI II 26 18 48 48.5–3.4 30.25N 83.65E 10 4.7b,4.0L
ISC Event type ke.
DMN Event type ke. Error ellipse: s-maj=12.3km s-min=10.7km az=13.0.
IDC Error ellipse: s-maj=12.7km s-min=11.1km az=18.0.
NEIC Event type se. Error ellipse: s-maj=14.4km s-min=6.5km az=171.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=7.5km s-min=3.8km az=114.7.
NDI Error ellipse: s-maj=13.7km s-min=6.9km az=-1.0.
IDC II 28 21 24 34.4–1.6 34.48N 81.35E 0 3.5,3.4b
¶610385229
IDC Error ellipse: s-maj=51.0km s-min=27.8km az=58.0.
IDC III 02 03 10 20.8–1.4 34.35N 81.64E 0 3.6,3.5s
¶610545363
IDC Error ellipse: s-maj=35.1km s-min=33.4km az=25.0.
ISC III 26 22 54 47.7–.40 30.47N–.06 83.86E–.04 10 4.1b,3.6s 125 5-146
IDC III 26 22 54 45.8–.64 30.46N 83.76E 0 3.9,3.9b **¶610471025**
BJI III 26 22 54 46.9–.00 30.57N 83.88E 6 4.4b,4.3b
MOS III 26 22 54 48.2–1.8 30.49N 83.63E 22 4.3b,4.3b
NEIC III 26 22 54 51.7–2.0 30.60N–.10 83.69E–.09 35–6 4.2b,4.3b
NDI III 26 22 54 54.8–2.4 30.31N 83.94E 70 4.2b,3.7L
ISC Event type se.
IDC Error ellipse: s-maj=17.4km s-min=14.1km az=26.0.
MOS Error ellipse: s-maj=9.1km s-min=4.6km az=117.6.
NEIC Event type se. Error ellipse: s-maj=15.4km s-min=9.8km az=205.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NDI Error ellipse: s-maj=14.4km s-min=7.6km az=-1.0.
ISC III 27 04 55 51.6–2.1 33.8N–.20 80.3E–.20 10 7 10-73
IDC III 27 04 55 51.5–4.0 33.82N 79.95E 0 3.8b,3.6 **¶610543776**
ISC Event type ke.
IDC Error ellipse: s-maj=86.3km s-min=35.3km az=102.0.
ISC III 28 09 16 34.8–1.0 33.3N–.10 88.1E–.20 35 3.5b,3.1s 8 14-83
IDC III 28 09 16 29.8–1.2 33.10N 88.02E 0 3.8L,3.6 **¶610543841**
ISC Event type ke.
IDC Error ellipse: s-maj=37.0km s-min=25.8km az=69.0.
ISC IV 01 01 10 12.0–.92 32.5N–.10 93.3E–.10 22 3.8s,3.6b 17 8-88
IDC IV 01 01 10 08.0–1.0 32.36N 93.27E 0 3.6,3.6b **¶610651669**
ISC Event type ke.
IDC Error ellipse: s-maj=40.0km s-min=18.1km az=57.0.
ISC IV 02 17 37 02.3–.76 32.25N–.09 83.1E–.10 35 3.3b 29 4-76
IDC IV 02 17 36 56.3–1.1 32.04N 83.04E 0 3.3,3.2b **¶610651770**
ISC Event type ke.
IDC Error ellipse: s-maj=34.0km s-min=18.8km az=58.0.
IDC IV 04 08 21 12.2–1.3 31.17N 86.63E 0 3.3,3.3b
¶610651896
IDC Error ellipse: s-maj=72.0km s-min=30.1km az=49.0.
ISC IV 06 04 59 34.1–1.1 33.9N–.20 87.7E–.30 35 3.4b 11 13-82
IDC IV 06 04 59 28.8–1.0 33.82N 87.60E 0 3.5,3.5b **¶610598310**
ISC Event type ke.
IDC Error ellipse: s-maj=48.3km s-min=20.6km az=56.0.
ISC IV 06 11 02 03.6–1.8 29.8N–.20 90.0E–.40 35 3.6b 7 14-68
IDC IV 06 11 01 58.5–1.8 29.79N 89.94E 0 3.8L,3.5 **¶610652072**
ISC Event type ke.
IDC Error ellipse: s-maj=72.1km s-min=19.3km az=68.0.
ISC IV 08 12 17 03.1–3.6 30.1N–.50 97.0E–.20 35 3.5b 6 19-55
IDC IV 08 12 16 57.7–4.8 30.01N 96.95E 0 3.5,3.5b **¶610652225**
ISC Event type ke.
IDC Error ellipse: s-maj=97.4km s-min=33.2km az=15.0.
ISC IV 09 12 55 24.0–3.7 32.0N–.30 82.2E–.80 35 3.3b 6 15-74
IDC IV 09 12 55 17.9–4.0 31.80N 81.77E 0 3.4,3.3b **¶610652300**
ISC Event type ke.
IDC Error ellipse: s-maj=145.0km s-min=22.9km az=69.0.
ISC IV 19 22 00 53.1–.73 34.2N–.10 83.10E–.09 10 3.8b,3.2s 38 8-83
MOS IV 19 22 00 51.8–2.1 34.09N 83.21E 13 4.1b,3.2s **¶610598412**
IDC IV 19 22 00 52.8–.86 34.29N 83.32E 0 3.8,3.7b
ISC Event type ke.
MOS Error ellipse: s-maj=18.6km s-min=8.1km az=107.7.
IDC Error ellipse: s-maj=30.2km s-min=14.7km az=50.0.
ISC IV 23 21 05 34.4–1.3 31.3N–.20 85.3E–.30 35 3.7b 6 16-78
IDC IV 23 21 05 29.7–1.8 31.18N 85.11E 0 3.7L,3.5b **¶610649832**
ISC Event type ke.
IDC Error ellipse: s-maj=61.0km s-min=33.3km az=63.0.
ISC IV 27 02 10 13.0–1.1 29.23N–.04 86.06E–.03 17–8 4.3b,3.4s 143 1-88
IDC IV 27 02 10 11.2–.75 29.25N 86.13E 0 4.0,4.0b **¶610560085**
NEIC IV 27 02 10 11.8–1.6 29.28N–.07 86.02E–.08 8–4 4.4b,4.0b
MOS IV 27 02 10 12.0–1.4 29.18N 85.96E 24 4.4b,4.0b
DMN IV 27 02 10 16.0–.23 29.09N 86.02E 10 4.6L,4.0b
ISC Event type ke.
IDC Error ellipse: s-maj=24.3km s-min=14.3km az=51.0.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=9.2km az=136.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=10.5km s-min=5.1km az=118.2.
DMN Event type ke. Error ellipse: s-maj=3.7km s-min=1.8km az=18.0.
ISC V 04 05 36 31.9–1.1 33.7N–.10 89.4E–.20 35 3.9b 13 14-72
IDC V 04 05 36 27.4–1.0 33.73N 89.47E 0 3.9b,3.8 **¶610689524**
ISC Event type ke.
IDC Error ellipse: s-maj=36.7km s-min=15.8km az=58.0.
IDC V 06 16 01 15.2–24 34.66N 80.09E 0 3.4,3.2b
¶610689674
IDC Error ellipse: s-maj=362.8km s-min=75.9km az=45.0.
ISC V 07 13 35 11.2–.48 33.77N–.07 89.34E–.08 10 4.0b,3.4s 55 4-150
NDI V 07 13 35 03.7–2.6 34.40N 89.01E 10 4.4b,3.9L **¶610669489**
IDC V 07 13 35 08.9–.71 33.57N 89.25E 0 3.9,3.9b
NEIC V 07 13 35 10.4–1.4 33.80N–.05 89.2E–.20 10–1 4.4b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 08 09 18 28.1–.56 32.47N–.07 97.45E–.07 35 3.9b 45 6-88
IDC V 08 09 18 22.8–.81 32.46N 97.43E 0 3.8,3.8b **¶610689787**
NEIC V 08 09 18 25.0–1.7 32.4N–.10 97.6E–.10 10–2 4.1b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 13 09 52 25.8–1.1 32.2N–.10 82.6E–.30 35 3.4b 12 4-85
IDC V 13 09 52 16.3–3.5 31.50N 81.20E 0 3.4,3.4b **¶610690187**
ISC Event type ke.
IDC Error ellipse: s-maj=143.0km s-min=24.1km az=66.0.
ISC V 18 04 42 13.9–1.0 31.1N–.20 88.0E–.20 35 3.6b 11 16-85
IDC V 18 04 42 08.4–1.0 30.99N 87.96E 0 3.6,3.6b **¶610690547**
ISC Event type ke.
IDC Error ellipse: s-maj=33.6km s-min=21.5km az=55.0.
ISC V 18 23 07 01.5–.30 30.35N–.03 96.91E–.03 10 4.4b,3.6s 267 4-145
IDC V 18 23 06 59.2–.54 30.28N 97.10E 0 4.2,4.2b **¶610643007**
BJI V 18 23 07 01.3–.00 30.29N 96.85E 20 4.5b,4.5b
MOS V 18 23 07 02.7–1.1 30.31N 97.00E 35 4.7b,4.4b
NEIC V 18 23 07 04.7–1.4 30.32N–.08 96.90E–.09 29–5 4.5b,4.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 22 16 24 59.7–.74 31.91N–.09 90.5E–.10 35 3.5b,2.9s 23 5-84
IDC V 22 16 24 54.9–1.2 31.85N 90.60E 0 3.6L,3.4 **¶610685167**
ISC Event type ke.
IDC Error ellipse: s-maj=46.1km s-min=19.9km az=63.0.
ISC V 23 13 02 54.4–.95 30.78N–.09 89.05E–.07 35 3.4b 19 2-67
DMN V 23 13 02 44.7–3.2 31.26N 89.19E 10 4.9b **¶610685218**
IDC V 23 13 02 48.7–2.2 30.55N 88.90E 0 3.7L,3.4
ISC Event type ke.

DMN Event type ke. Error ellipse: s-maj=75.1km s-min=8.9km az=40.0.
IDC Error ellipse: s-maj=72.9km s-min=23.7km az=68.0.
ISC V 23 13 07 57.5–.67 30.68N–.08 89.06E–.09 35 3.7b,3.2s 26 4-85
DMN V 23 13 07 34.4–4.4 31.86N 90.02E 10 5.5b,3.2s ¶610685219
IDC V 23 13 07 52.2–.87 30.56N 88.95E 0 3.8L,3.7
ISC Event type ke.
DMN Event type ke. Error ellipse: s-maj=100.7km s-min=10.1km az=42.0.
IDC Error ellipse: s-maj=29.0km s-min=16.2km az=56.0.
ISC V 23 18 48 58.8–.76 30.74N–.09 89.1E–.10 35 3.6b 25 4-85
IDC V 23 18 48 53.3–.96 30.58N 89.00E 0 3.6,3.6L ¶610685244
DMN V 23 18 48 56.5–1.5 30.80N 88.86E 10 5.2b,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=33.3km s-min=18.4km az=57.0.
DMN Event type ke. Error ellipse: s-maj=33.8km s-min=4.4km az=40.0.
ISC V 24 00 52 30.7–1.4 34.3N–.20 83.1E–.20 35 3.6b,3.1s 9 17-75
IDC V 24 00 52 25.3–1.3 34.17N 83.01E 0 3.7,3.6b ¶610667728
ISC Event type ke.
IDC Error ellipse: s-maj=45.4km s-min=20.9km az=57.0.
ISC V 24 16 08 08.7–.66 33.29N–.06 88.60E–.07 10 4.3b 33 4-71
IDC V 24 16 08 10.2–3.1 33.45N 88.85E 0 4.3s,3.6b ¶610685306
NEIC V 24 16 08 10.6–1.5 33.52N–.05 89.0E–.20 10–1 4.2b,3.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC V 28 04 11 50.8–5.2 29.38N 89.66E 0 4.0s,3.7b ¶610685537
IDC Error ellipse: s-maj=382.4km s-min=25.5km az=62.0.
IDC V 31 04 55 44.8–1.8 33.62N 82.05E 0 3.5,3.5b ¶610685765
IDC Error ellipse: s-maj=48.0km s-min=31.6km az=65.0.
ISC VI 04 10 14 15.0–1.1 34.4N–.10 83.5E–.20 35 3.9b 13 12-82
IDC VI 04 10 14 09.3–.92 34.34N 83.45E 0 3.7,3.7b ¶610760914
ISC Event type ke.
IDC Error ellipse: s-maj=34.1km s-min=18.4km az=55.0.
ISC VI 09 15 33 29.5–.85 33.38N–.08 88.2E–.10 35 3.7b,3.4s 19 6-80
IDC VI 09 15 33 24.0–1.7 33.07N 87.85E 0 3.6,3.6b ¶610791544
ISC Event type ke.
IDC Error ellipse: s-maj=33.1km s-min=29.9km az=77.0.
IDC VI 15 21 25 04.8–6.5 33.87N 83.10E 0 3.5,3.5b ¶610760951
IDC Error ellipse: s-maj=126.0km s-min=45.8km az=173.0.
ISC VI 16 09 38 50.2–1.3 28.1N–.10 87.88E–.08 80–16 3.4b 30 1-68
IDC VI 16 09 38 40.2–1.4 27.97N 87.80E 0 3.5,3.5b ¶610791994
DMN VI 16 09 38 50.2–.00 28.06N 87.94E 60 3.5,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=61.1km s-min=20.2km az=61.0.
DMN Event type ke.
ISC VI 17 00 43 39.3–.79 34.9N–.10 80.5E–.10 35 3.5b 15 12-82
IDC VI 17 00 43 34.1–.81 34.78N 80.47E 0 4.2s,3.5 ¶610792036
ISC Event type ke.
IDC Error ellipse: s-maj=24.3km s-min=17.4km az=45.0.
ISC VI 22 16 18 01.3–1.2 29.9N–.20 89.4E–.30 35 3.6b 7 14-68
IDC VI 22 16 17 56.1–1.3 29.86N 89.33E 0 4.1s,3.5 ¶610789285
ISC Event type ke.
IDC Error ellipse: s-maj=46.0km s-min=20.3km az=61.0.
ISC VI 24 21 45 30.5–1.5 32.7N–.20 93.5E–.30 22 3.6b 6 15-68
IDC VI 24 21 45 27.2–1.6 32.65N 93.58E 0 3.4,3.4b ¶610789406
ISC Event type ke.
IDC Error ellipse: s-maj=73.5km s-min=22.1km az=64.0.
ISC VI 25 03 40 26.1–1.4 33.8N–.20 82.6E–.40 35 3.4b 8 13-75
IDC VI 25 03 40 20.7–1.5 33.70N 82.52E 0 3.5,3.5b ¶610760998
ISC Event type ke.
IDC Error ellipse: s-maj=83.9km s-min=22.7km az=59.0.
ISC VI 29 03 00 33.7–.84 32.5N–.10 93.3E–.10 10 3.7b,3.1s 17 8-84
IDC VI 29 03 00 32.1–.83 32.43N 93.24E 0 3.7b,3.6 ¶610789691
ISC Event type ke.
IDC Error ellipse: s-maj=29.5km s-min=17.2km az=54.0.
ISC VI 30 19 35 10.1–1.2 32.3N–.30 95.0E–.60 35 3.5b 6 14-67
IDC VI 30 19 35 05.6–1.4 32.41N 95.29E 0 3.4b,3.3 ¶610789809
ISC Event type ke.
IDC Error ellipse: s-maj=133.6km s-min=20.1km az=61.0.

(307) Sichuan.

ISC I 04 15 14 31.6–.36 29.63N–.03 102.15E–.04 10 4.6b,3.3s 307 3-116
IDC I 04 15 14 29.8–.68 29.54N 102.33E 0 4.2,4.2b ¶609985347
BJI I 04 15 14 30.0–.00 29.53N 102.15E 23 4.4b,4.3L
MOS I 04 15 14 30.2–1.0 29.45N 102.23E 16 4.5b,4.3L
NEIC I 04 15 14 32.4–1.2 29.75N–.05 102.27E–.08 10–1 4.7b,4.3L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC I 05 15 30 08.7–889 29.19N 101.33E 0 ¶610236778
IDC Error ellipse: s-maj=402.7km s-min=219.7km az=65.0.
ISC I 10 11 22 16.4–1.0 28.4N–.10 105.3E–.20 10 3.4b 7 11-59
IDC I 10 11 22 14.8–1.1 28.34N 105.23E 0 3.5,3.5b ¶610237078
ISC Event type ke.
IDC Error ellipse: s-maj=35.0km s-min=19.8km az=67.0.
ISC I 15 10 05 36.0–.35 28.12N–.03 104.77E–.04 10 4.4b,3.4s 131 2-147
MOS I 15 10 05 34.2–1.1 28.11N 104.87E 14 4.7b,3.4s ¶610094919
IDC I 15 10 05 37.1–4.4 28.11N 104.80E 20–27 4.2,4.1b
BJI I 15 10 05 37.2–.00 28.16N 104.73E 10 4.6b,4.2b
NEIC I 15 10 05 39.6–1.7 28.10N–.09 104.8E–.10 32–5 4.5b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 15 11 20 54.8–.44 28.11N–.04 104.75E–.04 10 4.3b,3.9s 90 2-100
IDC I 15 11 20 55.9–4.5 28.14N 104.75E 19–28 4.2,4.1b ¶610180884
BJI I 15 11 20 56.0–.00 28.14N 104.72E 10 4.6b,4.1b
NEIC I 15 11 20 59.1–1.2 28.1N–.10 104.7E–.10 36–6 4.4b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 15 11 29 18.7–.51 28.18N–.03 104.90E–.04 10 4.1b,3.3s 54 2-84
IDC I 15 11 29 16.1–.75 28.09N 104.77E 0 4.0,4.0b ¶610237434
NEIC I 15 11 29 21.6–.61 28.12N–.04 104.7E–.20 32–6 4.1b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 16 04 35 02.3–1.2 28.7N–.20 104.0E–.20 35 3.7b 9 19-60
IDC I 16 04 34 57.2–1.0 28.71N 103.95E 0 3.7,3.7b ¶610237482
ISC Event type ke.
IDC Error ellipse: s-maj=41.2km s-min=18.2km az=58.0.
ISC I 18 14 35 17.2–.37 28.06N–.03 104.78E–.03 30–2 4.8b,3.6s 353 2-117
BJI I 18 14 35 14.0–.00 28.10N 104.76E 10 4.8b,4.6b ¶610237670
IDC I 18 14 35 16.6–2.0 28.13N 104.85E 26–12 4.6,4.4b
MOS I 18 14 35 16.3–.79 28.08N 104.88E 41 5.0b,4.4b
NEIC I 18 14 35 19.8–1.1 28.17N–.08 104.87E–.09 45–6 4.9b,4.4b
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s137.84444°,δ58.84301°,λ123.65364°. NP2: ϕ_s265.69690°,δ44.57510°,λ47.49171°. Principal axes: T Plg60.4053°,Azm100.3542° ; N Plg28.3095°,Azm298.8383°; P Plg7.9233°,Azm204.5388°
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 18 19 26 09.5–1.3 28.2N–.20 105.0E–.20 35 3.6b 8 20-84
IDC I 18 19 26 04.3–1.1 28.17N 104.90E 0 3.5,3.5b ¶610237683
ISC Event type ke.
IDC Error ellipse: s-maj=42.0km s-min=18.8km az=61.0.
ISC I 19 20 12 25.1–.63 28.18N–.09 104.74E–.07 35 4.2b,3.1s 53 5-84
IDC I 19 20 12 19.4–.74 28.12N 104.70E 0 4.0,4.0b ¶610237744
NEIC I 19 20 12 26.2–1.3 28.2N–.10 104.80E–.10 34–7 4.3b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC I 20 13 32 58.3–1.3 29.24N 102.29E 0 3.5L,3.3 ¶610234939
IDC Error ellipse: s-maj=79.6km s-min=21.8km az=61.0.
ISC I 22 10 04 57.2–1.3 28.2N–.20 105.2E–.20 10 3.7b 8 20-84
IDC I 22 10 04 55.6–1.0 28.24N 105.10E 0 4.1s,3.8L ¶610235098
ISC Event type ke.
IDC Error ellipse: s-maj=41.6km s-min=18.3km az=59.0.
ISC I 25 00 48 52.0–1.2 29.6N–.20 102.2E–.20 35 3.6b 8 11-61
IDC I 25 00 48 46.7–.99 29.55N 102.12E 0 3.7,3.7b ¶610235291
ISC Event type ke.
IDC Error ellipse: s-maj=36.5km s-min=18.3km az=54.0.
ISC I 25 06 38 07.0–.70 30.1N–.10 103.6E–.10 35 4.0b 17 12-83
IDC I 25 06 38 01.4–.80 30.04N 103.59E 0 4.0,4.0b ¶610235305
ISC Event type ke.
IDC Error ellipse: s-maj=24.5km s-min=15.6km az=45.0.
IDC I 26 15 24 12.5–1.3 28.05N 101.96E 0 3.3,3.3b ¶610235395
IDC Error ellipse: s-maj=44.3km s-min=21.3km az=76.0.
ISC I 27 18 46 35.2–.26 28.07N–.03 104.86E–.02 27–1 5.2b,4.2s 1031 2-172
IDC I 27 18 46 30.9–.36 28.07N 104.72E 0 4.9,4.9b ¶610144713
BJI I 27 18 46 32.9–.00 28.09N 104.72E 10 5.1b,5.0L
GCMT I 27 18 46 33.4–.30 28.15N–.03 104.86E–.02 12 4.9W,5.0L
MOS I 27 18 46 35.0–.84 28.10N 104.82E 39 5.4b,4.3s
NEIC I 27 18 46 36.4–1.2 28.18N–.06 104.83E–.07 32–3 5.3b,4.3s
BGR I 27 18 46 36.5 27.96N 104.81E 33 5.3b,4.3s
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s229.90846°,δ86.85419°,λ113.37888°. NP2: ϕ_s327.14301°,δ23.57780°,λ7.88557°. Principal axes: T Plg43.3836°,Azm162.6189° ; N Plg23.3416°,Azm48.5495°; P Plg37.5369°,Azm299.1857°
IDC Error ellipse: s-maj=11.0km s-min=8.8km az=38.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s21,c22; s80,c127;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.14±.07 $M_{\theta\theta}$-0.11±.07; $M_{\phi\phi}$-2.03±.06; $M_{r\theta}$-1.86±.33; $M_{\theta\phi}$-0.44±.06; $M_{\phi r}$-0.19±.23; Best double couple: NP1:ϕ_s223.00000°,δ61.00000°,λ121.00000°. NP2:ϕ_s352.00000°,δ41.00000°,λ47.00000°. Principal axes: T 3.1900,Plg61.0000° ,Azm181.0000°; N -0.9500,Plg27.0000°,Azm27.0000°; P -2.2390,Plg11.0000° ,Azm291.0000° $M_0$2.71400×10^{16}
MOS Error ellipse: s-maj=5.4km s-min=3.4km az=121.4.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=6.5km az=126.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BGR Event type ke.
IDC I 27 20 26 40.8–1.2 28.10N 104.88E 0 3.5,3.5b ¶610235503
IDC Error ellipse: s-maj=44.5km s-min=24.4km az=63.0.
ISC II 02 00 34 30.0–.33 28.17N–.03 104.77E–.03 10 4.6s,4.5b 239 2-117
IDC II 02 00 34 28.0–.51 28.14N 104.85E 0 4.2,4.2b ¶610172168
MOS II 02 00 34 30.0–.79 28.20N 104.79E 22 4.8b,4.2b
BJI II 02 00 34 30.3–.00 28.14N 104.76E 12 4.5b,4.1L
NEIC II 02 00 34 33.5–.91 28.18N–.09 104.80E–.09 33–5 4.6b,4.1L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC II 03 21 41 08.7–1.7 32.11N 105.09E 0 3.4,3.3b ¶610414769
IDC Error ellipse: s-maj=53.4km s-min=31.0km az=43.0.
ISC II 17 03 12 29.2–.52 29.82N–.06 102.24E–.05 10 4.0b,2.9s 42 2-92
IDC II 17 03 12 26.6–.73 29.60N 102.07E 0 4.0b,3.9 ¶610415663
NEIC II 17 03 12 30.3–2.3 29.86N–.03 102.29E–.09 10–2 4.2b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 17 03 19 29.2–.91 31.6N–.10 109.1E–.20 10 3.5b 13 16-80
IDC II 17 03 19 27.8–.94 31.69N 109.20E 0 4.1L,3.6s ¶610415664
ISC Event type ke.
IDC Error ellipse: s-maj=33.3km s-min=19.4km az=62.0.
ISC II 18 13 37 28.0–.79 29.6N–.10 102.0E–.10 35 3.9b 12 11-92
IDC II 18 13 37 22.7–.79 29.56N 102.05E 0 3.8,3.8b ¶610415761
ISC Event type ke.
IDC Error ellipse: s-maj=28.0km s-min=16.1km az=54.0.
ISC II 25 19 24 53.1–.66 31.02N–.03 103.63E–.04 16–4 4.1b,3.5s 177 0-115
IDC II 25 19 24 50.2–.59 31.07N 103.68E 0 4.0L,3.9 ¶610241212
MOS II 25 19 24 51.4–1.3 30.86N 103.66E 19 4.3b,3.9
NEIC II 25 19 24 52.2–1.1 31.01N–.08 103.65E–.08 10–1 4.5b,3.9
BJI II 25 19 24 52.7–.00 31.00N 103.44E 30 4.9b,4.4L
ISC Event type se.
IDC Error ellipse: s-maj=18.9km s-min=12.5km az=44.0.
MOS Error ellipse: s-maj=8.1km s-min=6.1km az=99.2.
NEIC Event type se. Error ellipse: s-maj=13.9km s-min=12.1km az=187.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 07 04 18 56.5–1.1 30.3N–.10 103.4E–.30 35 3.6b 7 13-61
IDC III 07 04 18 51.4–1.0 30.34N 103.45E 0 4.5L,3.8b ¶610545697
ISC Event type ke.
IDC Error ellipse: s-maj=55.8km s-min=18.9km az=63.0.
IDC III 07 21 12 03.9–26 31.26N 104.95E 0 3.4,3.4b ¶610545759
IDC Error ellipse: s-maj=402.7km s-min=95.2km az=147.0.
IDC III 10 22 09 22.8–1.6 29.53N 102.72E 0 3.9L,3.3 ¶610545982
IDC Error ellipse: s-maj=82.3km s-min=25.2km az=59.0.
IDC III 11 13 19 35.5–1.3 31.94N 104.77E 0 3.3,3.2b ¶610546017
IDC Error ellipse: s-maj=80.1km s-min=25.3km az=61.0.
ISC III 14 21 11 37.5–1.3 28.0N–.20 104.8E–.40 10 3.5b 11 3-84
IDC III 14 21 11 35.7–1.1 28.06N 104.74E 0 3.5,3.5b ¶610546218
ISC Event type ke.
IDC Error ellipse: s-maj=70.9km s-min=19.8km az=61.0.
ISC III 19 04 09 44.8–1.4 28.1N–.10 105.0E–.20 10 3.5b 6 7-59
IDC III 19 04 09 43.4–1.4 28.04N 104.85E 0 3.7s,3.5b ¶610546488
ISC Event type ke.
IDC Error ellipse: s-maj=91.1km s-min=24.0km az=63.0.
IDC III 19 08 32 26.1–1.6 30.01N 102.76E 0 4.5L,3.6 ¶610546498
IDC Error ellipse: s-maj=71.1km s-min=28.8km az=59.0.
IDC III 24 00 08 46.1–1.4 30.95N 107.73E 0 4.1L,3.5 ¶610543568
IDC Error ellipse: s-maj=60.2km s-min=25.5km az=62.0.
IDC III 25 21 19 20.1–1.2 28.17N 104.93E 0 3.6b,3.5 ¶610543671
IDC Error ellipse: s-maj=89.4km s-min=20.9km az=63.0.
ISC IV 05 10 34 58.7–.55 28.22N–.08 104.97E–.07 10 4.2b 38 4-84
IDC IV 05 10 34 56.7–.86 28.24N 104.97E 0 4.1,4.1b ¶610651998
NEIC IV 05 10 34 59.6–1.2 28.2N–.10 105.04E–.08 10–1 4.3b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 10 18 25 06.8–.34 32.37N–.03 104.75E–.03 10 4.5b,3.3s 249 2-97
IDC IV 10 18 25 03.7–.56 32.12N 104.63E 0 4.2,4.2b ¶610526191
MOS IV 10 18 25 08.4–1.1 32.26N 104.54E 34 4.7b,4.2b
NEIC IV 10 18 25 09.7–1.9 32.42N–.09 104.7E–.10 30–5 4.5b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 22 21 26 58.2–.28 31.39N–.03 103.94E–.04 14 4.7b,3.5s 364 1-117
IDC IV 22 21 26 55.5–.56 31.39N 104.08E 0 4.3,4.3b ¶610547314
MOS IV 22 21 26 56.0–.82 31.42N 104.13E 15 4.6b,4.3b
NEIC IV 22 21 26 57.7–.96 31.48N–.07 104.11E–.09 10–1 4.8b,4.3b
BJI IV 22 21 26 58.0–.00 31.42N 103.97E 18 4.6b,4.6b
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s232.76263°,δ85.93855°,λ-120.35204°. NP2: ϕ_s135.86606°,δ30.59687°,λ-7.99865°. Principal axes: T Plg33.9573°,Azm348.2794°

; N Plg30.2678°,Azm235.1376°; P Plg41.2037°,Azm114.4091°
IDC Error ellipse: s-maj=16.7km s-min=12.1km az=45.0.
MOS Error ellipse: s-maj=7.4km s-min=5.6km az=99.7.
NEIC Event type se. Error ellipse: s-maj=13.9km s-min=11.3km az=116.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 29 14 20 47.4–1.3 28.1N–.20 105.0E–.30 35 3.5b 7 20-84
IDC IV 29 14 20 42.2–1.1 28.06N 105.00E 0 3.8L,3.6 ¶610650319
ISC Event type ke.
IDC Error ellipse: s-maj=42.7km s-min=19.6km az=65.0.
IDC IV 29 14 57 17.3–3.2 29.30N 106.88E 0 3.1,3.1b ¶610650320
IDC Error ellipse: s-maj=548.3km s-min=30.3km az=54.0.
ISC IV 30 09 11 33.3–1.2 28.1N–.20 104.9E–.20 35 3.5b 7 20-84
IDC IV 30 09 11 28.0–1.1 28.07N 104.87E 0 3.4,3.4b ¶610650397
ISC Event type ke.
IDC Error ellipse: s-maj=43.0km s-min=21.0km az=62.0.
ISC IV 30 18 16 21.0–.90 28.3N–.10 105.2E–.20 19 3.5b 8 11-84
IDC IV 30 18 16 18.1–1.1 28.30N 105.20E 0 3.4b,3.3 ¶610650439
ISC Event type ke.
IDC Error ellipse: s-maj=31.6km s-min=22.8km az=68.0.
IDC IV 30 19 19 43.7–1.3 28.35N 105.78E 0 3.5b,3.3 ¶610650443
IDC Error ellipse: s-maj=51.2km s-min=23.2km az=67.0.
ISC IV 30 22 57 13.9–.59 28.22N–.09 104.92E–.09 35 4.1b 44 4-84
IDC IV 30 22 57 07.8–.71 28.19N 105.00E 0 4.0L,3.8 ¶610650455
NEIC IV 30 22 57 14.5–1.9 28.2N–.10 105.0E–.10 36–8 4.4b,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 04 05 40 22.3–.24 28.16N–.02 104.93E–.03 10 4.8b,4.1s 493 2-152
IDC V 04 05 40 20.3–.47 28.16N 104.94E 0 4.7L,4.6 ¶610593998
BJI V 04 05 40 21.2–.00 28.18N 104.89E 10 4.8L,4.8s
MOS V 04 05 40 21.9–.90 28.16N 104.93E 21 4.9b,4.3s
NEIC V 04 05 40 22.8–1.0 28.16N–.05 104.91E–.08 10–1 4.9b,4.3s
GCMT V 04 05 40 22.8–.40 28.27N–.02 104.97E–.03 29–1 4.9W,4.3s
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s22,c22; s70,c90;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}1.50±.25 $M_{\theta\theta}$-0.45±.19; $M_{\phi\phi}$-1.05±.20; $M_{r\theta}$-0.50±.23; $M_{\theta\phi}$-3.15±.14; $M_{\phi r}$-0.79±.25; Best double couple: NP1:ϕ_s178.00000°,δ89.00000°,λ15.00000°. NP2:ϕ_s88.00000°,δ75.00000°,λ179.00000°. Principal axes: T 2.4440,Plg11.0000° ,Azm44.0000°; N 1.6190,Plg75.0000°,Azm183.0000°; P -4.0670,Plg9.0000°,Azm312.0000° $M_0$3.25500×10^{16}
ISC V 15 16 19 59.3–.52 32.99N–.03 98.87E–.03 12–3 4.4b,3.9s 196 5-89
MOS V 15 16 19 56.8–1.3 33.01N 99.06E 11 4.7b,3.9s ¶610639756
IDC V 15 16 19 57.3–.65 33.02N 99.17E 0 3.9,3.9b
BJI V 15 16 20 00.1–.00 32.97N 99.01E 31 4.8b,4.4b
NEIC V 15 16 20 00.4–1.8 33.02N–.08 99.03E–.10 17–4 4.5b,4.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 17 19 27 28.3–.92 29.0N–.10 103.2E–.20 35 3.4b,3.0s 8 11-84
IDC V 17 19 27 23.1–.97 28.97N 103.17E 0 3.7L,3.6b ¶610690520
ISC Event type ke.
IDC Error ellipse: s-maj=32.7km s-min=18.5km az=67.0.
ISC V 18 12 45 09.3–.81 31.9N–.10 104.7E–.10 10 3.6b 12 14-81
IDC V 18 12 45 07.2–.92 31.73N 104.54E 0 3.6,3.6b ¶610690597
ISC Event type ke.
IDC Error ellipse: s-maj=32.9km s-min=17.2km az=55.0.
ISC V 20 23 18 12.5–1.6 30.1N–.20 100.6E–.40 10 3.6b 5 12-59
IDC V 20 23 18 10.8–1.4 30.07N 100.54E 0 3.4b,3.3 ¶610685051
ISC Event type ke.
IDC Error ellipse: s-maj=63.7km s-min=22.9km az=65.0.
IDC V 21 05 24 26.8–1.8 29.92N 103.14E 0 3.3,3.2b ¶610685068
IDC Error ellipse: s-maj=51.5km s-min=32.0km az=50.0.
ISC VI 03 01 38 20.4–.85 30.08N–.10 100.9E–.30 10 3.8b 12 4-64
IDC VI 03 01 38 18.0–.98 29.90N 100.82E 0 3.8,3.8b ¶610791134
ISC Event type ke.
IDC Error ellipse: s-maj=61.4km s-min=17.5km az=56.0.
ISC VI 04 06 51 22.3–1.4 31.9N–.20 104.8E–.20 15 3.7b 6 20-62
IDC VI 04 06 51 20.1–1.2 31.87N 104.74E 0 3.5,3.5b ¶610791219
ISC Event type ke.
IDC Error ellipse: s-maj=35.9km s-min=22.9km az=57.0.
ISC VI 06 06 04 59.5–.38 31.27N–.03 103.36E–.04 13 4.2b,3.4s 111 0-93
IDC VI 06 06 04 57.3–.63 31.26N 103.46E 0 4.1,4.1b ¶610664112
NEIC VI 06 06 04 59.3–1.2 31.18N–.07 103.4E–.10 10–1 4.2b,4.1b
BJI VI 06 06 04 59.0–.00 31.31N 103.19E 17 4.5b,4.4b
MOS VI 06 06 05 00.6–1.3 31.08N 103.40E 39 4.4b,4.4b
ISC Event type se.
IDC Error ellipse: s-maj=20.0km s-min=13.3km az=51.0.
NEIC Event type se. Error ellipse: s-maj=16.9km s-min=9.9km az=299.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=9.3km s-min=6.6km az=107.4.
ISC VI 09 13 17 41.0–.50 28.11N–.04 104.97E–.04 10 4.2b,3.9s 59 3-78
IDC VI 09 13 17 39.8–.82 28.09N 104.96E 0 3.9,3.9b ¶610791539
NEIC VI 09 13 17 45.5–1.9 28.1N–.10 105.0E–.10 30–6 4.6b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VI 16 22 14 11.5–2.7 31.64N 104.35E 0 3.3,3.3b ¶610792028
IDC Error ellipse: s-maj=453.3km s-min=29.6km az=52.0.
ISC VI 20 12 16 24.2–.66 30.07N–.08 99.68E–.08 10 4.1b,3.2s 51 4-90
IDC VI 20 12 16 21.8–.71 30.03N 99.65E 0 4.0b,3.9 ¶610789160
NEIC VI 20 12 16 25–1.3 29.5N–.10 99.5E–.10 35–2 4.2b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VI 21 14 17 02.0–1.3 30.79N 103.52E 0 3.3s,3.2 ¶610789215
IDC Error ellipse: s-maj=46.5km s-min=23.8km az=51.0.
ISC VI 26 00 47 46.4–.76 28.0N–.10 104.7E–.10 35 4.0b,2.9s 16 11-84
IDC VI 26 00 47 41.5–.74 28.09N 104.72E 0 4.2L,4.0 ¶610789472
ISC Event type ke.
IDC Error ellipse: s-maj=21.2km s-min=15.1km az=49.0.

(308) Northern India.

ISC III 13 10 22 15.3–.59 24.65N–.05 72.03E–.06 10 3.7b 42 2-93
IDC III 13 10 22 13.4–.83 24.40N 71.83E 0 3.7,3.7b ¶610546131
NDI III 13 10 22 17.5–3.7 24.54N 72.09E 10 4.3L,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=24.6km s-min=17.7km az=32.0.
NDI Error ellipse: s-maj=8.8km s-min=11.1km az=-1.0.
ISC IV 10 08 50 30.7–.69 30.68N–.04 78.74E–.06 10 3.9b 31 1-76
IDC IV 10 08 50 29.5–.99 30.65N 78.62E 0 3.8b,3.7 ¶610652360
NDI IV 10 08 50 33.9–3.6 30.74N 78.51E 10–14 3.6L,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=30.9km s-min=18.5km az=61.0.
NDI Error ellipse: s-maj=9.4km s-min=21.3km az=-1.0.
ISC VI 01 22 55 54.6–.48 29.01N–.02 76.78E–.03 12–2 4.6b,3.6s 709 1-151
BGR VI 01 22 55 42.4 27.34N 78.26E 19 4.5b,3.6s ¶611834021
IDC VI 01 22 55 52.8–.48 28.89N 76.70E 0 4.5,4.5b
BJI VI 01 22 55 53.6–.00 29.05N 76.79E 7 4.6b,4.6b
NEIC VI 01 22 55 54.9–1.5 28.97N–.08 76.78E–.09 10–1 4.7b,4.6b
MOS VI 01 22 55 54.9–1.1 29.03N 76.77E 22 4.8b,4.6b
NDI VI 01 22 55 57.1–3.4 28.85N 76.70E 19–7 4.7b,4.6b
NNC VI 01 22 55 59.9–2.3 29.64N 76.67E 0 4.5b,4.6b
ISC Event type ke.
BGR Event type ke.
IDC Error ellipse: s-maj=13.4km s-min=11.0km az=31.0.
NEIC Event type se. Error ellipse: s-maj=14.2km s-min=11.3km az=222.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=6.3km s-min=3.4km az=114.7.
NDI Error ellipse: s-maj=5.5km s-min=6.5km az=-1.0.
NNC Event type se. Error ellipse: s-maj=31.6km s-min=28.1km az=142.0.
ISC VI 12 09 11 18.4–1.5 30.72N–.04 78.42E–.04 2–11 3.6b 26 1-82
IDC VI 12 09 11 17.7–1.1 30.56N 78.11E 0 3.9s,3.8b ¶610791711
NDI VI 12 09 11 19.0–3.2 30.82N 78.58E 5 3.3L,3.8b
ISC Event type ke.
IDC Error ellipse: s-maj=39.0km s-min=24.6km az=55.0.
NDI Error ellipse: s-maj=8.2km s-min=7.7km az=-1.0.
ISC VI 21 18 36 09.7–1.2 25.65N–.03 87.05E–.03 23–10 3.6b 79 1-80
IDC VI 21 18 36 06.3–.84 25.59N 86.93E 0 3.7,3.6b ¶610789225
DMN VI 21 18 36 09.1–.28 25.37N 87.28E 30 4.8L,3.6b
NDI VI 21 18 36 10.1–3.5 25.72N 87.11E 10 4.0L,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=31.4km s-min=18.2km az=65.0.
DMN Event type ke. Error ellipse: s-maj=5.8km s-min=4.6km az=13.0.
NDI Error ellipse: s-maj=5.8km s-min=5.0km az=-1.0.

(309) Nepal-India border region.

ISC II 18 00 15 32.3–.86 27.9N–.10 84.73E–.07 35 3.4b 13 6-70
IDC II 18 00 15 24.7–2.7 27.64N 84.39E 0 3.4L,3.3 ¶610415733
ISC Event type ke.
IDC Error ellipse: s-maj=97.9km s-min=24.3km az=72.0.
IDC III 09 19 58 23.1–16 28.96N 80.12E 0 3.7s,3.4 ¶610545894
IDC Error ellipse: s-maj=268.3km s-min=74.0km az=35.0.
ISC III 25 13 42 22.4–1.1 29.3N–.20 80.65E–.09 19 3.7b 7 3-73
IDC III 25 13 42 19.9–3.4 29.36N 80.64E 0 3.9s,3.8L ¶610543643
ISC Event type ke.
IDC Error ellipse: s-maj=126.5km s-min=22.1km az=70.0.
ISC V 30 17 38 00.4–1.3 29.5N–.20 81.0E–.20 17 3.9s,3.8b 10 17-76
IDC V 30 17 37 57.5–1.1 29.42N 80.98E 0 3.8s,3.7 ¶610685733
ISC Event type ke.
IDC Error ellipse: s-maj=36.8km s-min=19.1km az=63.0.

(310) Nepal.

ISC I 03 18 41 45.9–.94 29.7N–.10 81.7E–.10 27 3.6b 12 4-73
IDC I 03 18 41 41.0–1.5 29.44N 81.45E 0 3.9s,3.7b ¶610236575
ISC Event type ke.
IDC Error ellipse: s-maj=49.6km s-min=19.3km az=61.0.
IDC I 04 07 16 46.8–18 29.66N 83.10E 0 3.2,3.2b ¶610236678
IDC Error ellipse: s-maj=305.2km s-min=71.0km az=29.0.
ISC I 12 23 13 48.4–1.8 27.9N–.20 87.7E–.40 35 3.6b 8 14-68
IDC I 12 23 13 43.3–1.8 27.88N 87.60E 0 4.0L,3.7b ¶610237263
ISC Event type ke.
IDC Error ellipse: s-maj=69.7km s-min=20.1km az=64.0.
IDC I 16 19 00 16.1–6.4 29.67N 81.77E 0 3.4s,3.2 ¶610237533
IDC Error ellipse: s-maj=108.7km s-min=56.4km az=3.0.
ISC II 04 12 13 21.7–.68 27.26N–.08 85.35E–.07 10 3.5b 17 6-79
IDC II 04 12 13 20.5–1.1 27.32N 85.26E 0 3.7L,3.6 ¶610414815
ISC Event type ke.
IDC Error ellipse: s-maj=37.0km s-min=20.6km az=62.0.
ISC II 07 23 38 41.4–1.4 27.6N–.20 86.1E–.20 19 3.6b 11 15-79
IDC II 07 23 38 38.4–1.4 27.56N 86.07E 0 3.7L,3.6 ¶610415076
ISC Event type ke.
IDC Error ellipse: s-maj=44.4km s-min=18.8km az=60.0.
IDC II 17 01 46 41.9–3.1 27.60N 85.64E 0 3.3,3.3b ¶610415660
IDC Error ellipse: s-maj=94.0km s-min=31.7km az=69.0.
ISC II 27 03 37 46.0–.77 27.33N–.03 86.07E–.02 15–4 4.7b,4.0s 416 0-151
NEIC II 27 03 37 46.0–1.3 27.43N–.08 86.08E–.05 11–3 4.7b,4.0s ¶610241550
DMN II 27 03 37 46.3–.24 27.36N 86.13E 2 5.5L,4.0s
NDI II 27 03 37 48.2–4.0 27.28N 86.06E 10 4.7b,4.4L
IDC II 27 03 37 50.7–2.7 27.41N 86.06E 41–24 4.4,4.4L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=12.2km s-min=5.1km az=204.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DMN Event type ke. Error ellipse: s-maj=7.6km s-min=3.4km az=20.0.
NDI Error ellipse: s-maj=8.6km s-min=5.2km az=-1.0.
IDC Error ellipse: s-maj=11.7km s-min=9.1km az=52.0.
ISC II 27 04 21 40.4–.94 27.35N–.03 86.08E–.02 13–6 4.5b,4.0s 228 0-147
DMN II 27 04 21 40.6–.17 27.38N 86.12E 10 5.4L,4.0s ¶610241553
BJI II 27 04 21 40.3–.00 27.52N 86.17E 11 4.8b,4.5b
NEIC II 27 04 21 41.7–1.4 27.37N–.09 85.93E–.07 20–3 4.6b,4.5b
NDI II 27 04 21 42.8–4.1 27.32N 86.06E 10 4.6b,4.4L
IDC II 27 04 21 45.2–3.2 27.44N 86.05E 40–28 4.4L,4.2
ISC Event type ke.
DMN Event type ke. Error ellipse: s-maj=5.5km s-min=2.5km az=21.0.
NEIC Event type se. Error ellipse: s-maj=13.9km s-min=7.0km az=206.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NDI Error ellipse: s-maj=10.8km s-min=5.7km az=-1.0.
IDC Error ellipse: s-maj=16.4km s-min=10.1km az=41.0.
ISC III 19 22 38 42.9–1.1 28.0N–.20 87.1E–.20 18 3.9b 16 19-88
IDC III 19 22 38 40.1–.84 27.97N 87.07E 0 3.8,3.8b ¶610546543
ISC Event type ke.
IDC Error ellipse: s-maj=28.7km s-min=15.5km az=46.0.
ISC III 26 03 45 09.1–.88 27.95N–.06 85.84E–.03 11–5 3.8b 41 0-147
IDC III 26 03 45 06.8–1.1 27.89N 85.79E 0 3.8b,3.7 ¶610543698
DMN III 26 03 45 07.8–.16 28.05N 85.95E 10 4.5L,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=35.4km s-min=23.0km az=67.0.
DMN Event type ke. Error ellipse: s-maj=3.4km s-min=1.3km az=15.0.
IDC IV 14 10 06 32.3–3.9 28.59N 85.26E 0 3.3L,3.1 ¶610652719
IDC Error ellipse: s-maj=184.6km s-min=25.3km az=64.0.
IDC IV 16 03 39 03.7–8.0 29.74N 83.75E 0 3.3,3.3b ¶610652846
IDC Error ellipse: s-maj=403.8km s-min=29.3km az=69.0.
ISC IV 20 08 32 49.3–1.1 27.7N–.20 86.9E–.20 35 3.6s,3.5b 10 7-88
IDC IV 20 08 32 44.0–1.0 27.70N 86.92E 0 3.8L,3.7s ¶610653105
ISC Event type ke.
IDC Error ellipse: s-maj=41.3km s-min=19.4km az=62.0.
ISC IV 24 11 19 21.3–.84 27.83N–.04 85.75E–.02 13–6 3.9b,3.7s 47 0-80
IDC IV 24 11 19 18.9–1.0 27.69N 85.60E 0 3.9,3.9b ¶610649885
DMN IV 24 11 19 21.5–.08 27.84N 85.77E 10 4.6L,3.9b
ISC Event type ke.
IDC Error ellipse: s-maj=34.8km s-min=18.1km az=64.0.
DMN Event type ke. Error ellipse: s-maj=2.6km s-min=1.1km az=6.0.
ISC IV 24 15 04 27.4–.45 29.57N–.05 81.28E–.05 10 4.2b 76 1-87
IDC IV 24 15 04 25.6–.85 29.50N 81.23E 0 4.1L,3.9 ¶610649896
NDI IV 24 15 04 29.5–3.4 29.51N 81.26E 6–15 3.4L,3.9
NEIC IV 24 15 04 30.1–1.6 29.7N–.10 81.30E–.10 19–6 4.3b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 08 03 40 20.3–1.2 28.5N–.20 84.3E–.20 35 3.6b 9 17-79
IDC VI 08 03 40 14.8–1.2 28.48N 84.25E 0 4.0L,3.6 ¶610791435
ISC Event type ke.
IDC Error ellipse: s-maj=39.1km s-min=21.2km az=68.0.
ISC VI 12 11 54 10.8–1.2 27.55N–.05 86.08E–.03 5–9 3.5b 33 0-69

IDC VI 12 11 54 10.1–2.3 27.46N 86.08E 0 3.5b,3.5L ¶610791722
DMN VI 12 11 54 11.1–.08 27.62N 86.10E 10 4.5L,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=85.0km s-min=21.1km az=68.0.
DMN Event type ke. Error ellipse: s-maj=2.8km s-min=1.1km az=17.0.
ISC VI 28 18 24 01.7–1.2 27.61N–.06 86.35E–.03 13–8 3.8b 42 0-89
IDC VI 28 18 23 59.6–1.2 27.49N 86.24E 0 4.1s,3.8b ¶610789657
DMN VI 28 18 24 01.9–.09 27.66N 86.41E 10 4.6L,3.8b
ISC Event type ke.
IDC Error ellipse: s-maj=39.3km s-min=19.7km az=45.0.
DMN Event type ke. Error ellipse: s-maj=3.4km s-min=0.9km az=22.0.

(311) Sikkim.
ISC II 23 21 39 15.3–1.2 27.83N–.09 88.04E–.04 75–15 41 1-7
NDI II 23 21 39 15.8–2.0 27.93N 87.93E 55 3.5L ¶611784267
DMN II 23 21 39 16.7–.00 27.77N 88.00E 60 3.5L
ISC Event type ke.
NDI Error ellipse: s-maj=10.0km s-min=13.0km az=-1.0.
ISC III 26 21 42 11.0–.56 27.07N–.04 88.56E–.03 23–3 4.4b,3.6s 269 0-150
BJI III 26 21 42 06.2–.00 26.97N 88.62E 6 4.5b,4.3b ¶610435244
MOS III 26 21 42 08.9–1.1 27.09N 88.52E 21 4.6b,4.3b
IDC III 26 21 42 08.0–.56 27.18N 88.58E 0 4.2b,4.1
NDI III 26 21 42 09.0–3.4 27.49N 88.51E 10 4.5b,4.3L
NEIC III 26 21 42 11.9–1.6 27.14N–.07 88.55E–.06 24–5 4.5b,4.3L
DMN III 26 21 42 12.4–.00 26.67N 88.63E 60 4.5b,4.3L
ISC Event type ke.
MOS Error ellipse: s-maj=8.8km s-min=5.0km az=118.8.
IDC Error ellipse: s-maj=17.6km s-min=11.1km az=48.0.
NDI Error ellipse: s-maj=17.1km s-min=9.3km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=7.5km az=199.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 16 22 13 17.7–1.1 27.38N–.04 88.20E–.02 3–7 4.2b,4.1s 91 0-87
IDC V 16 22 13 16.9–.89 27.22N 88.01E 0 3.9s,3.9 ¶610690447
DMN V 16 22 13 16.0–.43 27.38N 88.30E 10 4.5L,3.9
NDI V 16 22 13 18.5–3.8 27.45N 88.19E 10 4.2b,3.4L
NEIC V 16 22 13 19.1–1.3 27.3N–.10 88.2E–.10 10–1 4.2b,3.4L
ISC Event type ke.
DMN Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VI 14 03 42 34.1–3.7 27.52N 88.11E 0 3.7b,3.7L
¶610791823
IDC Error ellipse: s-maj=88.9km s-min=44.2km az=133.0.

(312) Bhutan.
ISC IV 14 02 56 26.1–1.4 27.4N–.20 89.28E–.09 35 20 1-64
DMN IV 14 02 56 22.0–.83 27.31N 89.64E 30 4.6L ¶610652675
IDC IV 14 02 56 25.0–3.2 27.25N 90.22E 0 3.2,3.1b
ISC Event type ke.
DMN Error ellipse: s-maj=39.9km s-min=15.2km az=4.0.
IDC Error ellipse: s-maj=104.9km s-min=34.4km az=72.0.
ISC V 24 03 16 25.4–.46 27.57N–.04 90.40E–.03 10 4.3b,3.4s 93 2-160
IDC V 24 03 16 23.7–.62 27.76N 90.68E 0 4.5L,4.0 ¶610667729
DMN V 24 03 16 28.3–.35 28.05N 90.84E 10 4.6L,4.0
NEIC V 24 03 16 29.1–1.4 27.52N–.06 90.2E–.10 28–6 4.4b,4.0
ISC Event type ke.
DMN Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(313) Eastern Xizang-India border region.
ISC I 19 19 18 32.6–1.5 28.17N–.04 92.61E–.04 9–10 4.1b 72 1-87
IDC I 19 19 18 30.8–.64 28.12N 92.55E 0 4.0L,3.9 ¶610102431
NDI I 19 19 18 33.7–2.8 28.21N 92.73E 10 4.1b,3.6L
NEIC I 19 19 18 36.8–1.6 28.18N–.05 92.7E–.10 40–9 4.1b,3.6L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 05 12 54 55.7–2.7 28.1N–.10 93.78E–.07 7–12 3.9b 16 1-64
IDC II 05 12 54 53.3–2.2 27.50N 92.87E 0 3.4,3.4b ¶610414882
NDI II 05 12 54 59.0–1.6 27.97N 93.87E 10 3.9L,3.4b
ISC Event type ke.
IDC Error ellipse: s-maj=88.0km s-min=25.9km az=73.0.
NDI Error ellipse: s-maj=7.0km s-min=5.5km az=-1.0.
ISC V 21 21 23 32.9–1.1 28.86N–.07 96.07E–.09 34 32 2-61
IDC V 21 21 23 28.0–1.8 28.82N 96.14E 0 3.2,3.2b ¶610685103
NDI V 21 21 23 31.0–1.9 29.13N 96.04E 30 3.6L,3.2b
ISC Event type ke.
IDC Error ellipse: s-maj=71.4km s-min=25.0km az=71.0.
NDI Error ellipse: s-maj=10.5km s-min=12.5km az=-1.0.
ISC VI 16 21 43 09.3–.49 29.92N–.05 95.17E–.05 10 4.1b 54 3-87
IDC VI 16 21 43 07.7–.91 29.89N 95.05E 0 3.9b,3.8 ¶610678719
NEIC VI 16 21 43 11.2–1.2 29.9N–.10 95.18E–.09 25–9 4.2b,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(314) Southern India.
NDI IV 18 02 06 11.5–3.6 12.48N 77.20E 10 3.9L
¶611867759
NDI Error ellipse: s-maj=5.3km s-min=9.0km az=-1.0.
ISC VI 03 18 14 53.6–.55 17.02N–.04 74.04E–.06 17 4.0b,3.4s 77 2-77
NEIC VI 03 18 14 50.5–2.6 16.67N–.09 73.58E–.07 15–5 4.3b,3.4s ¶610791182
IDC VI 03 18 14 51.4–1.4 16.95N 73.86E 0 4.2L,3.9
NDI VI 03 18 14 52.4–3.7 17.07N 73.78E 12–26 4.6L,4.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.0km s-min=8.8km az=159.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=42.5km s-min=17.3km az=61.0.
NDI Error ellipse: s-maj=7.4km s-min=27.4km az=-1.0.

(315) India-Bangladesh border region.
ISC I 03 09 09 02.3–.25 24.10N–.02 91.99E–.02 35–0 5.4b,5.2s 1540 1-162
IDC I 03 09 08 57.2–.34 24.03N 92.02E 0 5.0s,5.0 ¶611831467
BJI I 03 09 08 59.3–.00 24.29N 92.06E 18 5.6L,5.5s
MOS I 03 09 09 00.1–.86 23.98N 92.02E 36 5.5b,5.1s
NEIC I 03 09 09 02.1–1.8 24.02N–.06 92.02E–.07 32–1 5.7,5.5
GCMT I 03 09 09 03.1–.10 23.98N–.01 92.03E–.01 24–0 5.6W,5.5
NDI I 03 09 09 03.1–4.2 24.14N 91.88E 33–16 5.5b,5.4b
BGR I 03 09 09 06.2 24.15N 91.12E 33 5.5b,5.1s
NEIC I 03 09 09 08 23.90N 91.89E 36 5.5b,5.1s
ISC Event type se. Moment Tensor Solution. NP1:φs251.41737°,δ76.77870°,λ28.77567°. NP2: φs154.25798°,δ62.05512°,λ164.99515°. Principal axes: T Plg29.5439°,Azm115.9855° ; N Plg58.5701°,Azm274.0265°; P Plg9.7670°,Azm20.3866°
IDC Error ellipse: s-maj=9.8km s-min=8.4km az=51.0.
MOS Error ellipse: s-maj=5.6km s-min=2.9km az=123.6.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=9.1km az=222.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; Mrr-0.11 Mθθ-1.46 Mφφ1.57 Mrθ0.01 Mθφ2.12 Mφr-0.03 NP1:φs162.24000°,δ89.97000°,λ179.27000°. NP2:φs252.24000°,δ89.27000° ,λ0.03000°. Principal axes: T 2.6589,Plg1.0000°,Azm117.0000°; N -0.1124,Plg90.0000° ,Azm-20.0000°; P -2.5466,Plg0.0000°,Azm207.0000° M0 2.60000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s117,c194; s150,c305;Duration: 1s5 Moment tensor: Scale 10^{17}Nm; Mrr-0.08±.04 Mθθ-2.42±.04; Mφφ2.50±.04; Mrθ-0.17±.06; Mθφ1.96±.03; Mφr0.14±.06; Best double couple: NP1:φs154.00000°,δ88.00000°,λ-176.00000°. NP2:φs64.00000°,δ86.00000°,λ-2.00000°. Principal axes: T 3.1870,Plg1.0000° ,Azm289.0000°; N -0.0700,Plg86.0000°,Azm180.0000°; P -3.1190,Plg4.0000°,Azm19.0000° M0 3.15300×10^{17}

NDI Error ellipse: s-maj=9.4km s-min=10.1km az=-1.0.
BGR Event type ke.
NEIC Event type se. Moment Tensor Solution.Duration: 3s3 Moment tensor: Scale 10^{17}Nm; Mrr0.19 Mθθ-3.74 Mφφ3.54 Mrθ-0.85 Mθφ1.64 Mφr-0.30 NP1:φs56.99000°,δ88.14000° ,λ-12.27000°. NP2:φs147.39000°,δ77.74000°,λ-178.10000°. Principal axes: T 3.9542,Plg7.0000°,Azm103.0000°; N 0.2686,Plg78.0000°,Azm228.0000° ; P -4.2229,Plg10.0000°,Azm12.0000° M0 4.09000×10^{17}
ISC I 03 23 27 04.5–.83 24.15N–.04 92.09E–.06 10 3.9b 17 1-62
IDC I 03 23 27 02.9–1.5 24.17N 92.19E 0 3.5,3.5b ¶610236620
NDI I 03 23 27 04.6–2.5 24.13N 92.00E 8–10 3.7L,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=32.7km s-min=15.0km az=109.0.
NDI Error ellipse: s-maj=6.3km s-min=13.9km az=-1.0.
ISC I 06 15 03 51.9–.94 24.13N–.04 91.90E–.05 54–12 3.4b 27 1-63
IDC I 06 15 03 46.8–1.0 24.16N 92.20E 0 4.0L,3.5 ¶610236839
NDI I 06 15 03 50.7–1.5 24.11N 91.83E 88–9 4.0L,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=28.8km s-min=12.9km az=100.0.
NDI Error ellipse: s-maj=3.5km s-min=4.2km az=-1.0.
ISC I 18 01 46 11.5–1.0 23.94N–.04 92.89E–.07 64–13 3.7b 15 1-62
IDC I 18 01 46 04.5–1.4 23.88N 93.21E 0 3.5,3.5b ¶610237634
NDI I 18 01 46 10.7–2.4 23.92N 92.91E 32–12 3.5L,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=31.1km s-min=26.7km az=157.0.
NDI Error ellipse: s-maj=6.1km s-min=12.6km az=-1.0.
ISC I 24 12 25 37.8–.69 25.60N–.05 91.85E–.07 31–4 3.9b 31 0-85
IDC I 24 12 25 33.0–1.3 25.54N 91.63E 0 3.9L,3.7 ¶610235263
NEIC I 24 12 25 38.8–2.2 25.6N–.10 91.9E–.30 35–2 4.3b,3.7
NDI I 24 12 25 39.4–1.6 25.64N 91.80E 20–3 4.0L,3.7
ISC Event type se.
IDC Error ellipse: s-maj=48.9km s-min=22.4km az=63.0.
NEIC Event type se. Error ellipse: s-maj=45.2km s-min=10.4km az=64.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NDI Error ellipse: s-maj=5.4km s-min=6.8km az=-1.0.
ISC I 29 08 42 03.3–1.2 24.2N–.10 91.4E–.20 35 3.5b 7 1-63
IDC I 29 08 41 58.8–1.1 24.26N 91.59E 0 4.0L,3.6b ¶610235625
ISC Event type ke.
IDC Error ellipse: s-maj=41.3km s-min=12.6km az=84.0.
ISC II 12 04 05 28.8–1.6 25.53N–.04 90.98E–.03 3–11 4.3b 121 1-90
IDC II 12 04 05 28.7–.64 25.60N 91.06E 0 4.5L,4.1 ¶610208502
NDI II 12 04 05 30.5–3.2 25.52N 90.92E 10 4.2L,4.1
BJI II 12 04 05 30.9–.00 25.55N 90.97E 30 4.9b,4.4b
DMN II 12 04 05 30.8–.44 25.49N 91.19E 10 4.6L,4.4b
NEIC II 12 04 05 33.6–1.3 25.55N–.07 91.10E–.03 37–8 4.4b,4.4b
ISC Event type ke.
DMN Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC II 12 13 43 59.0–1.6 24.15N 92.18E 0 4.4s,3.5
¶610415382
IDC Error ellipse: s-maj=33.9km s-min=16.0km az=110.0.
ISC II 25 07 02 18.8–.83 24.08N–.04 92.02E–.05 35 3.5b 22 1-62
IDC II 25 07 02 13.5–1.1 24.15N 92.21E 0 4.3L,3.5 ¶610384985
NDI II 25 07 02 20.2–3.4 24.11N 92.07E 30 4.0L,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=27.7km s-min=13.6km az=101.0.
NDI Error ellipse: s-maj=7.9km s-min=8.3km az=-1.0.
ISC III 07 10 28 58.1–.62 26.94N–.07 89.24E–.06 17 4.0b 39 1-89
NEIC III 07 10 28 56.5–2.1 26.92N–.05 89.11E–.08 10–1 4.0b ¶610273053
IDC III 07 10 28 58.4–1.3 27.09N 89.44E 0 4.1L,3.8
NDI III 07 10 29 06.1–3.5 26.63N 89.17E 10 4.1L,4.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.6km s-min=7.0km az=299.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=61.5km s-min=16.9km az=61.0.
NDI Error ellipse: s-maj=15.7km s-min=11.1km az=-1.0.
ISC III 21 15 40 45.1–1.1 25.06N–.05 92.16E–.06 42–11 3.5b 31 1-79
IDC III 21 15 40 40.5–1.2 25.41N 93.11E 0 4.5L,3.3 ¶610543411
NDI III 21 15 40 43.7–2.8 24.98N 92.06E 20 4.4b,3.9L
NEIC III 21 15 40 45.4–2.8 25.38N–.03 92.56E–.07 35–5 4.4b,3.9L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC III 24 10 11 37.6–7.5 23.00N 92.33E 0 3.3,3.3b
¶610543588
IDC Error ellipse: s-maj=542.7km s-min=29.1km az=61.0.
ISC III 25 14 00 57.4–.95 22.5N–.20 92.79E–.08 35 3.6b 9 1-61
IDC III 25 14 00 58.2–1.9 22.42N 92.79E 50–27 3.6,3.4b ¶610543647
ISC Event type ke.
IDC Error ellipse: s-maj=30.0km s-min=16.1km az=45.0.
ISC IV 18 14 01 31.6–1.3 24.98N–.03 91.46E–.03 9–9 4.3b,3.1s 47 1-67
BJI IV 18 14 01 29.4–.00 24.75N 91.44E 18 4.5b,4.1L ¶610652985
IDC IV 18 14 01 30.4–1.3 24.99N 91.58E 0 3.9L,3.7
NDI IV 18 14 01 32.9–2.6 25.07N 91.38E 10 4.5b,4.4L
NEIC IV 18 14 01 34.5–2.6 25.06N–.03 91.6E–.10 34–6 4.5b,4.4L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 25 16 14 52.7–.45 25.63N–.04 90.76E–.03 10 4.2b 101 1-90
IDC IV 25 16 14 51.0–.87 25.50N 90.58E 0 4.0L,3.8s ¶610650002
NDI IV 25 16 14 53.6–3.3 25.71N 90.75E 10 4.1L,3.8s
DMN IV 25 16 14 53.4–.27 25.40N 90.89E 10 4.6L,3.8s
NEIC IV 25 16 14 55.9–1.4 25.63N–.07 90.9E–.10 31–5 4.3b,3.8s
ISC Event type ke.
DMN Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VI 23 16 15 12.6–5.8 25.40N 91.93E 0 3.3,3.3b
¶610789347
IDC Error ellipse: s-maj=415.8km s-min=28.5km az=62.0.

(317) Northeastern India.
ISC I 03 19 32 25.3–.38 27.97N–.04 93.85E–.04 10 4.3b 110 0-86
IDC I 03 19 32 23.4–.71 27.95N 93.88E 0 3.9,3.9b ¶610236576
NEIC I 03 19 32 26.8–1.6 27.91N–.07 93.85E–.09 18–4 4.4b,3.9b
NDI I 03 19 32 27.3–3.1 27.93N 93.79E 10 4.4b,4.1L
ISC Event type se.
IDC Error ellipse: s-maj=31.8km s-min=13.8km az=54.0.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=8.6km az=57.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NDI Error ellipse: s-maj=10.5km s-min=10.9km az=-1.0.
DMN V 07 05 49 58.5–1.7 26.77N 90.51E 30 4.7L
¶615815682
DMN Error ellipse: s-maj=127.3km s-min=31.3km az=12.0.

(318) Yunnan.
ISC I 04 21 42 01.5–.87 27.1N–.10 103.3E–.20 10 3.5b 12 10-61
IDC I 04 21 42 00.2–1.0 27.16N 103.32E 0 3.7,3.7b ¶610236736
ISC Event type ke.
IDC Error ellipse: s-maj=27.8km s-min=19.7km az=65.0.
ISC II 08 11 11 41.7–.30 27.21N–.03 103.43E–.03 10 4.8b,4.5s 302 2-151
IDC II 08 11 11 38.8–.53 27.21N 103.53E 0 4.4s,4.2 ¶611831756
BJI II 08 11 11 39.4–.00 27.09N 103.37E 10 5.2L,5.1b
MOS II 08 11 11 39.4–1.4 27.18N 103.36E 11 5.0b,5.1b
NEIC II 08 11 11 42.0–1.9 27.30N–.07 103.43E–.05 10–1 4.9b,5.1b
GCMT II 08 11 11 43.0–.30 27.00N–.02 103.54E–.02 22–1 5.0W,5.1b
ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function. Moment Tensor Solution. s20,c21; s100,c135;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}1.21±.24 $M_{\theta\theta}$2.31±.16; $M_{\phi\phi}$-3.52±.18; $M_{r\theta}$-0.73±.26;
$M_{r\phi}$-3.64±.15; $M_{\theta\phi}$0.12±.27; Best double couple: NP1:ϕ_s250.00000°,δ82.00000°,λ169.00000°.
NP2:ϕ_s341.00000°,δ79.00000°,λ8.00000°. Principal axes: T 4.2280,Plg13.0000°
,Azm205.0000°; N 1.0470,Plg77.0000°,Azm34.0000°; P -5.2750,Plg2.0000°,Azm296.0000°
$M_0$4.75100×10^{16}
IDC II 22 14 34 57.9–1.2 25.56N 101.02E 0 3.5L,3.4s ¶610384814
IDC Error ellipse: s-maj=38.2km s-min=18.6km az=85.0.
IDC III 06 02 00 39.7–1.2 26.55N 99.54E 0 3.6,3.6b ¶610545620
IDC Error ellipse: s-maj=211.7km s-min=24.0km az=53.0.
ISC III 12 12 21 21.5–.37 27.10N–.03 103.44E–.03 29–2 4.7b,4.0s 513 2-151
BJI III 12 12 21 18.2–.00 27.09N 103.41E 10 4.8b,4.8L ¶610325630
GCMT III 12 12 21 20.7–.30 27.02N–.02 103.55E–.02 22–1 4.8W,4.8L
MOS III 12 12 21 21.3–.88 27.16N 103.54E 43 4.8b,4.8L
IDC III 12 12 21 21.5–2.9 27.20N 103.50E 29–20 4.3,4.2b
NEIC III 12 12 21 23.7–1.2 27.20N–.07 103.57E–.05 37–7 4.8b,4.2b
ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function. Moment Tensor Solution. s15,c17; s90,c122;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-0.30±.11 $M_{\theta\theta}$1.40±.08; $M_{\phi\phi}$-1.10±.07; $M_{r\theta}$-0.38±.12;
$M_{r\phi}$-1.30±.07; $M_{\theta\phi}$-0.30±.13; Best double couple: NP1:ϕ_s69.00000°,δ83.00000°,λ-164.00000°.
NP2:ϕ_s337.00000°,δ74.00000°,λ-7.00000°. Principal axes: T 1.9770,Plg6.0000°
,Azm202.0000°; N -0.2020,Plg73.0000°,Azm93.0000°; P -1.7750,Plg16.0000°
,Azm294.0000° $M_0$1.87600×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 26 23 40 30.7–.31 25.79N–.03 99.86E–.03 10 4.6b,4.4s 330 1-149
IDC III 26 23 40 29.4–.53 25.93N 99.84E 0 4.9L,4.3s ¶610435248
BJI III 26 23 40 29.8–.00 25.87N 99.81E 10 4.9s,4.8b
NEIC III 26 23 40 31.6–1.6 25.88N–.06 99.88E–.04 10–1 4.6b,4.8b
GCMT III 26 23 40 31.8–.20 25.75N–.02 99.82E–.01 23–1 5.0W,4.8b
MOS III 26 23 40 32.5–1.0 25.78N 99.74E 30 4.7b,4.5s
ISC Event type se.
IDC Error ellipse: s-maj=15.2km s-min=11.7km az=51.0.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=3.4km az=145.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function. Moment Tensor Solution. s42,c48; s116,c165;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}0.08±.15 $M_{\theta\theta}$-4.24±.13; $M_{\phi\phi}$4.16±.13; $M_{r\theta}$0.25±.22;
$M_{r\phi}$0.91±.11; $M_{\theta\phi}$0.25±.18; Best double couple: NP1:ϕ_s51.00000°,δ89.00000°,λ5.00000°.
NP2:ϕ_s321.00000°,δ85.00000°,λ179.00000°. Principal axes: T 4.2760,Plg4.0000°
,Azm276.0000°; N 0.0770,Plg85.0000°,Azm59.0000°; P -4.3490,Plg3.0000°,Azm186.0000°
$M_0$4.31300×10^{16}
MOS Error ellipse: s-maj=9.5km s-min=4.7km az=124.3.
ISC III 26 23 55 04.9–.31 25.90N–.03 99.79E–.03 23–3 4.9b,4.5s 638 1-152
BJI III 26 23 55 01.8–.00 25.89N 99.80E 12 5.2b,5.1s ¶610435249
IDC III 26 23 55 01.1–.49 25.93N 99.91E 0 5.1L,4.6
MOS III 26 23 55 02.5–.92 25.86N 99.82E 19 5.1b,4.6s
GCMT III 26 23 55 03.3–.20 25.82N–.01 99.84E–.01 20–1 5.1W,4.6s
NEIC III 26 23 55 06.3–1.6 25.94N–.06 99.84E–.07 28–4 5.0b,4.6s
BGR III 26 23 55 08.9 26.38N 99.94E 10 4.6b,4.6s
ISC Event type ke. Moment Tensor Solution. NP1:ϕ_s335.72723°,δ64.91746°,λ168.77583°. NP2:
ϕ_s70.53592°,δ79.84880°,λ25.51000°. Principal axes: T Plg25.1138°,Azm295.7227°
; N Plg62.6697°,Azm90.8121°; P Plg10.0846°,Azm200.9408°
IDC Error ellipse: s-maj=14.5km s-min=10.9km az=50.0.
MOS Error ellipse: s-maj=6.9km s-min=3.7km az=125.8.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function. Moment Tensor Solution. s46,c55; s120,c176;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}0.08±.16 $M_{\theta\theta}$-5.05±.13; $M_{\phi\phi}$4.97±.13; $M_{r\theta}$0.26±.28;
$M_{r\phi}$0.52±.12; $M_{\theta\phi}$0.36±.22; Best double couple: NP1:ϕ_s48.00000°,δ89.00000°,λ5.00000°.
NP2:ϕ_s318.00000°,δ85.00000°,λ179.00000°. Principal axes: T 5.0250,Plg4.0000°
,Azm273.0000°; N 0.0580,Plg85.0000°,Azm62.0000°; P -5.0870,Plg3.0000°,Azm183.0000°
$M_0$5.05600×10^{16}
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=8.6km az=167.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BGR Event type ke.
ISC III 27 01 09 33.5–.92 25.93N–.09 99.70E–.08 10 3.7s,3.3b 10 1-57
IDC III 27 01 09 32.0–1.4 25.86N 100.04E 0 4.1L,3.7s ¶610543762
ISC Event type ke.
IDC Error ellipse: s-maj=52.3km s-min=21.9km az=78.0.
ISC III 27 01 10 27.6–.34 25.86N–.04 99.84E–.03 10 4.0b,3.8s 91 1-121
NEIC III 27 01 10 25.4–2.3 25.93N–.08 100.01E–.04 10–2 4.1b,3.8s ¶610543765
IDC III 27 01 10 25.5–.67 25.91N 100.05E 0 4.8L,3.9
BJI III 27 01 10 26.3–.00 25.81N 99.81E 10 4.5b,4.4s
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=5.3km az=186.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=26.3km s-min=12.5km az=67.0.
ISC III 29 23 48 20.2–.47 27.10N–.04 103.43E–.05 10 4.1b 66 2-86
IDC III 29 23 48 16.6–.83 27.19N 103.47E 0 3.9,3.9b ¶610471038
NEIC III 29 23 48 19.7–.96 27.21N–.09 103.69E–.03 10–1 4.1b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 03 20 57 40.0–.64 27.06N–.08 103.5E–.10 10 3.8b 27 6-86
IDC IV 03 20 57 38.5–.78 27.11N 103.50E 0 4.2s,3.7 ¶610651872
NEIC IV 03 20 57 53.2–2.3 28.5N–.10 103.6E–.10 38–10 4.1b,3.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 15 02 05 37.2–1.3 28.0N–.20 104.6E–.40 35 3.4b 6 20-85
IDC IV 15 02 05 32.1–1.2 27.96N 104.72E 0 3.4b,3.3 ¶610652769
ISC Event type ke.
IDC Error ellipse: s-maj=72.7km s-min=21.3km az=62.0.
IDC IV 23 04 57 58.3–1.8 27.86N 100.47E 0 3.4,3.3b ¶610649797
IDC Error ellipse: s-maj=80.0km s-min=28.5km az=61.0.
ISC IV 30 16 40 10.2–.78 24.31N–.07 102.31E–.08 9 4.0b 17 7-57
IDC IV 30 16 40 09.1–1.0 24.43N 102.41E 0 4.0b,3.9 ¶610650433
ISC Event type ke.
IDC Error ellipse: s-maj=38.1km s-min=17.8km az=74.0.
IDC V 18 11 16 53.5–1.7 25.98N 100.18E 0 3.9L,3.6b ¶610690595
IDC Error ellipse: s-maj=49.0km s-min=21.9km az=80.0.
ISC V 19 16 02 16.5–.58 25.71N–.08 99.56E–.08 10 4.1b,3.0s 40 5-88
IDC V 19 16 02 15.7–.73 25.69N 99.51E 0 4.1L,4.0 ¶610667703
NEIC V 19 16 02 16.7–2.0 25.8N–.10 99.8E–.10 10–2 4.4b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 24 20 53 37.4–.91 23.76N–.09 103.4E–.10 10 3.6b 15 4-53
NEIC V 24 20 53 36.5–1.6 23.6N–.10 103.5E–.10 10–2 4.3b ¶610685318
IDC V 24 20 53 37.1–1.4 23.76N 103.32E 0 4.0L,3.4
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=28.4km s-min=10.4km az=147.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=33.4km s-min=20.5km az=104.0.
ISC VI 12 15 31 30.6–1.2 23.05N–.10 101.65E–.07 10 3.6b 7 2-53
PLV VI 12 15 31 28.6–1.4 23.12N 101.79E 9–999 3.8L ¶610791733
IDC VI 12 15 31 33.0–1.5 22.86N 101.86E 0 3.7b,3.5
ISC Event type ke.
PLV Error ellipse: s-maj=31.3km s-min=33.4km az=-1.0.
IDC Error ellipse: s-maj=32.7km s-min=19.3km az=105.0.
IDC VI 13 05 19 43.9–2.0 27.26N 100.54E 0 3.4,3.3b ¶610791758
IDC Error ellipse: s-maj=84.7km s-min=30.8km az=64.0.
ISC VI 24 12 09 00.8–1.0 23.80N–.08 103.25E–.08 10 3.6s,3.5b 12 4-59
IDC VI 24 12 08 58.5–1.2 23.76N 103.40E 0 3.9L,3.6s ¶610789386
ISC Event type ke.
IDC Error ellipse: s-maj=29.7km s-min=18.3km az=92.0.

(319) Bay of Bengal.

ISC IV 22 18 45 10.3–.66 9.21N–.08 87.06E–.05 10 4.0b 70 6-68
IDC IV 22 18 45 10.1–1.1 9.30N 87.03E 0 4.4L,4.0 ¶610653276
NEIC IV 22 18 45 12.9–1.6 9.3N–.10 87.03E–.02 17–5 4.1b,4.0
NDI IV 22 18 45 15.2–4.3 9.56N 87.07E 20–41 4.3L,4.2b
ISC Event type se.
IDC Error ellipse: s-maj=32.1km s-min=21.2km az=61.0.
NEIC Event type se. Error ellipse: s-maj=16.7km s-min=2.4km az=174.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NDI Error ellipse: s-maj=21.7km s-min=12.1km az=-1.0.

SEISMIC REGION 27.
Southern Xinjiang to Gansu.

(320) Kyrgyzstan-Xinjiang border region.

ISC I 01 04 15 13.6–1.3 40.66N–.04 77.15E–.03 9–9 3.5b 108 1-77
IDC I 01 04 15 02.8–1.4 39.91N 77.59E 0 3.5,3.4b ¶609947725
SOME I 01 04 15 10.1 40.52N 76.95E 10 3.5,3.4b
NNC I 01 04 15 11.4–1.0 40.51N 77.16E 0 4.3b,4.0
KRNET I 01 04 15 12.0–.10 40.58N 76.98E 17 4.0b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=24.8km s-min=16.6km az=147.0.
NNC Event type se. Error ellipse: s-maj=7.1km s-min=5.3km az=150.0.
ISC I 05 00 31 47.7–2.2 40.3N–.10 77.13E–.04 10 68 1-5
KRNET I 05 00 31 46.6–.10 40.37N 77.08E 17 2.8b ¶610101553
SOME I 05 00 31 47.6 40.40N 77.15E 15 2.8b
KNET I 05 00 31 48.1–.51 40.58N 77.26E 0 2.7L
NNC I 05 00 31 50.4–.75 40.55N 77.11E 0 3.6b,3.2
ISC Event type se.
KNET Error ellipse: s-maj=10.2km s-min=4.4km az=54.0.
NNC Event type se. Error ellipse: s-maj=5.4km s-min=4.8km az=169.0.
ISC I 07 02 59 45.1–1.3 41.79N–.04 78.07E–.03 3–10 123 0-9
SOME I 07 02 59 43.1 41.70N 78.15E 15 ¶610104619
KRNET I 07 02 59 43.2–.10 41.73N 78.17E 15 3.9b
NNC I 07 02 59 44.0–.71 41.75N 78.13E 0 4.1,4.0b
KNET I 07 03 00 02.2–2.0 42.29N 76.92E 32–4 2.5L,4.0b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=4.8km s-min=2.8km az=169.0.
KNET Error ellipse: s-maj=17.3km s-min=6.6km az=111.0.
ISC I 07 05 35 44.5–1.8 42.75N–.06 80.23E–.05 0–11 82 1-8
NNC I 07 05 35 42.9–1.1 42.67N 80.34E 0 4.1b,4.1 ¶612032794
SOME I 07 05 35 43.1 42.63N 80.38E 20 4.1b,4.1
KRNET I 07 05 35 43.8–.10 42.68N 80.39E 24 3.9b,4.1
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=7.4km s-min=4.2km az=146.0.
ISC I 07 18 31 03.0–1.7 41.12N–.07 76.02E–.03 13–10 89 0-10
SOME I 07 18 30 59.8 40.95N 76.08E 15 ¶610104662
KRNET I 07 18 31 00.8–.10 41.01N 76.06E 16 3.2b
KNET I 07 18 31 02.3–.61 41.10N 76.05E 16–7 2.6L
NNC I 07 18 31 02.2–1.1 41.04N 76.10E 0 4.0b,3.6
ISC Event type se.
KNET Error ellipse: s-maj=4.2km s-min=2.9km az=4.0.
NNC Event type se. Error ellipse: s-maj=7.8km s-min=5.5km az=173.0.
ISC I 09 05 21 08.3–1.9 41.4N–.10 77.36E–.06 10 15 1-3
KRNET I 09 05 21 07.5–.10 41.41N 77.45E 16 2.0b ¶612032883
SOME I 09 05 21 17.7 42.63N 81.23E 15 2.0b
NNC I 09 05 21 20.2–9.4 41.75N 77.82E 0 2.7b,2.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=105.5km s-min=62.8km az=98.0.
ISC I 12 11 44 35.1–1.2 40.34N–.06 75.07E–.03 10 73 1-4
SOME I 12 11 44 32.9 40.37N 75.00E 5 ¶610123259
KRNET I 12 11 44 32.1–.10 40.26N 75.12E 3.1b
NNC I 12 11 44 34.9–.73 40.42N 74.99E 0 3.7b,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=5.6km s-min=3.9km az=155.0.
ISC I 12 22 20 27.7–2.6 40.3N–.10 77.88E–.06 10 67 2-6
SOME I 12 22 20 25.5 40.38N 77.87E 5 ¶610123267
KRNET I 12 22 20 25.6–.10 40.30N 77.79E 3.0b
NNC I 12 22 20 28.0–.80 40.42N 77.84E 0 3.9b,3.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=5.6km s-min=5.2km az=143.0.
ISC I 15 15 30 58.8–2.0 40.59N–.07 77.55E–.03 5–13 98 1-83
IDC I 15 15 30 58.3–1.6 40.58N 77.73E 0 3.5b,3.2 ¶610147508
KRNET I 15 15 31 00.1–.10 40.61N 77.63E 22 3.4b,3.2
SOME I 15 15 31 01.4 40.70N 77.53E 10 3.4b,3.2
KNET I 15 15 31 01.9–.63 40.69N 77.42E 0 3.4L,3.2
NNC I 15 15 31 04.8–1.7 40.81N 77.85E 0 4.3b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=20.0km s-min=16.8km az=31.0.
KNET Error ellipse: s-maj=6.6km s-min=4.4km az=61.0.
NNC Event type se. Error ellipse: s-maj=12.0km s-min=10.1km az=160.0.
ISC I 18 18 04 18.0–1.4 40.45N–.04 77.72E–.03 1–9 4.4b 302 1-82
IDC I 18 18 04 17.8–.70 40.40N 77.74E 0 4.1,4.1b ¶610101649
MOS I 18 18 04 18.1–1.1 40.34N 77.78E 14 4.5b,4.1b
SOME I 18 18 04 18.1 40.45N 77.43E 15 3.7s,4.1b
KRNET I 18 18 04 18.7–.10 40.51N 77.60E 4.6b,4.1b
NEIC I 18 18 04 20.2–1.4 40.54N–.05 77.74E–.09 10–1 4.6b,4.1b
NNC I 18 18 04 21.7–.89 40.64N 77.65E 0 5.0b,4.7
ISC Event type se.
IDC Error ellipse: s-maj=14.2km s-min=11.8km az=37.0.
MOS Error ellipse: s-maj=7.1km s-min=3.9km az=97.0.
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=7.2km az=246.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=6.5km s-min=4.9km az=161.0.
ISC I 26 05 10 55.7–2.4 40.40N–.09 77.78E–.05 1–15 78 1-6
KRNET I 26 05 10 55.6–.10 40.40N 77.93E 19 3.0b ¶610159916
SOME I 26 05 10 57.7 40.47N 77.75E 15 3.0b
NNC I 26 05 11 00.3–1.1 40.60N 77.76E 0 3.7b,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=7.0km s-min=5.0km az=168.0.
ISC I 26 16 52 05.4–1.1 42.03N–.05 80.77E–.04 10 110 1-72
SOME I 26 16 52 02.2 41.93N 80.72E 0 ¶610235400
NNC I 26 16 52 04.7–.99 42.00N 80.74E 0 4.2b,4.0
KRNET I 26 16 52 04.7–.10 42.04N 80.77E 3.5b,4.0
IDC I 26 16 52 05.3–2.3 42.03N 81.61E 0 3.7,3.7b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=7.0km s-min=4.5km az=151.0.
IDC Error ellipse: s-maj=25.5km s-min=16.6km az=135.0.
ISC I 27 10 50 33.0–2.3 42.42N–.08 80.85E–.07 5–12 50 1-8
SOME I 27 10 50 34.0 42.08N 80.52E 10 ¶612033667
KRNET I 27 10 50 35.5–.10 42.23N 80.63E 15 3.3b
NNC I 27 10 50 40.2–1.3 42.36N 80.40E 0 3.7b,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=13.2km s-min=4.3km az=147.0.
ISC I 29 00 27 18.6–1.9 42.24N–.06 80.46E–.06 17–10 51 1-5
SOME I 29 00 27 17.0 42.15N 80.48E 15 ¶612033730
KRNET I 29 00 27 17.1–.10 42.14N 80.77E 2.5b
NNC I 29 00 27 18.6–1.9 42.21N 80.41E 0 3.0b,2.7
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=11.0km s-min=8.0km az=147.0.

ISC I 29 18 06 07.1–1.3 40.59N–.03 77.57E–.02 2–8 4.3s,3.8b 231 1-97
IDC I 29 18 06 05.9–.78 40.45N 77.69E 0 3.9,3.9b ¶610147696
MOS I 29 18 06 06.2–.97 40.37N 77.71E 11 4.0b,3.9b
SOME I 29 18 06 09.2 40.70N 77.55E 5 3.7s,3.9b
NNC I 29 18 06 09.1–1.3 40.66N 77.54E 0 5.3b,4.9
KRNET I 29 18 06 10.6–.10 40.66N 77.46E 35 4.6b,4.9
ISC Event type se.
IDC Error ellipse: s-maj=16.3km s-min=12.8km az=20.0.
MOS Error ellipse: s-maj=6.9km s-min=4.3km az=103.3.
NNC Event type se. Error ellipse: s-maj=7.8km s-min=5.5km az=171.0.
ISC I 30 08 33 31.6–2.2 40.82N–.09 77.65E–.04 13–12 76 1-6
SOME I 30 08 33 27.5 40.73N 77.60E 0 ¶612033785
KRNET I 30 08 33 27.5–.10 40.64N 77.61E 23 2.9b
NNC I 30 08 33 29.0–1.2 40.72N 77.64E 0 3.7b,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=7.9km s-min=5.3km az=172.0.
ISC I 30 18 35 54.5–2.1 40.76N–.09 77.58E–.05 7–13 70 1-4
SOME I 30 18 35 52.1 40.72N 77.58E 5 ¶610159947
KRNET I 30 18 35 53.5–.10 40.74N 77.52E 21 2.8b
NNC I 30 18 35 53.8–.79 40.72N 77.57E 0 3.7b,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=5.4km s-min=3.8km az=177.0.
ISC I 31 23 34 01.8–2.2 40.3N–.10 76.75E–.04 10 78 1-4
KRNET I 31 23 33 59.3–.10 40.15N 76.86E 3.1b ¶612033859
SOME I 31 23 34 00.0 40.30N 76.68E 10 3.1b
NNC I 31 23 34 02.7–1.5 40.38N 76.71E 0 3.7b,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=11.2km s-min=9.5km az=149.0.
ISC II 01 10 06 22.1–2.1 40.48N–.08 76.88E–.03 5–12 84 1-5
SOME II 01 10 06 19.0 40.37N 76.85E 10 ¶610247209
KRNET II 01 10 06 19.2–.10 40.39N 76.97E 13 3.2b
NNC II 01 10 06 21.1–1.1 40.46N 76.91E 0 3.8b,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=7.4km s-min=5.3km az=173.0.
SOME II 03 01 10 57.0 42.28N 80.08E 5
¶612668686
ISC II 04 21 16 20.4–2.0 41.01N–.08 77.79E–.04 5–11 88 1-7
KRNET II 04 21 16 15.2–.10 40.84N 77.86E 13 3.0b ¶610247225
SOME II 04 21 16 16.0 40.87N 77.87E 5 3.0b
NNC II 04 21 16 19.7–1.7 40.92N 77.95E 0 4.0b,3.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=12.3km s-min=9.3km az=157.0.
ISC II 07 20 36 40.2–1.2 42.00N–.03 77.51E–.02 7–9 156 0-9
KRNET II 07 20 36 39.6–.10 41.95N 77.51E 20 3.3b ¶610246606
SOME II 07 20 36 39.6 41.97N 77.50E 10 3.3b
NNC II 07 20 36 40.3–.68 42.01N 77.52E 0 3.8b,3.8
KNET II 07 20 36 41.5–.32 42.02N 77.37E 10–1 3.0L,3.8
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=4.5km s-min=2.8km az=10.0.
KNET Error ellipse: s-maj=3.9km s-min=2.1km az=14.0.
ISC II 08 22 56 13.8–2.5 42.2N–.10 80.97E–.09 10 24 1-5
SOME II 08 22 56 10.4 42.10N 81.20E 10 ¶612084892
NNC II 08 22 56 19.7–2.5 42.61N 81.06E 0 3.0b,2.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=30.9km s-min=10.4km az=140.0.
ISC II 11 13 28 33.4–2.3 40.45N–.08 77.41E–.04 1–13 91 1-9
KRNET II 11 13 28 27.1–.10 40.09N 77.78E 3.5b ¶610246623
SOME II 11 13 28 28.5 40.28N 77.30E 5 3.5b
NNC II 11 13 28 31.5–.68 40.35N 77.36E 0 4.1b,3.8
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=5.0km s-min=3.8km az=157.0.
ISC II 14 20 03 52.4–2.1 40.38N–.10 77.61E–.04 10 73 1-4
KRNET II 14 20 03 47.8–.10 40.24N 77.59E 22 2.9b ¶612085293
SOME II 14 20 03 48.7 40.33N 77.62E 0 2.9b
NNC II 14 20 03 56.0–3.3 40.51N 78.03E 0 3.7b,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=23.3km s-min=20.6km az=161.0.
SOME II 14 23 36 27.2 42.27N 80.92E 15
¶612669134
SOME II 16 01 31 10.2 40.52N 75.00E 10
¶616228555
ISC II 16 02 00 59.5–2.0 41.52N–.08 79.03E–.05 8–12 65 1-6
KRNET II 16 02 00 59.4–.10 41.55N 79.11E 16 2.2b ¶612085403
SOME II 16 02 00 59.2 41.47N 79.18E 20 2.2b
NNC II 16 02 01 00.1–.73 41.53N 79.12E 0 3.3b,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=4.9km s-min=3.3km az=164.0.
ISC II 19 16 27 49.5–3.0 42.06N–.10 80.9E–.10 11–12 42 2-6
SOME II 19 16 27 49.8 42.10N 80.83E 0 ¶612085657
NNC II 19 16 27 52.4–2.4 42.19N 80.87E 0–8 3.5b,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=15.7km s-min=13.4km az=160.0.
ISC II 22 02 15 26.6–1.2 41.75N–.04 77.65E–.02 8–7 3.8b 243 1-76
IDC II 22 02 15 24.1–1.5 41.54N 77.71E 0 3.4s,3.3 ¶610239515
MOS II 22 02 15 26.2–.88 41.71N 77.66E 9 4.0b,3.3
SOME II 22 02 15 26.5 41.77N 77.63E 15 2.8s,3.3
KRNET II 22 02 15 26.4–.10 41.73N 77.67E 18 4.2b,3.3
NNC II 22 02 15 27.8–.59 41.81N 77.67E 0 4.4b,4.3
KNET II 22 02 15 28.1–.31 41.88N 77.57E 3–1 3.9L,4.3
ISC Event type se.
IDC Error ellipse: s-maj=20.0km s-min=13.2km az=163.0.
MOS Error ellipse: s-maj=6.5km s-min=4.3km az=101.0.
NNC Event type se. Error ellipse: s-maj=4.0km s-min=2.5km az=0.0.
KNET Error ellipse: s-maj=4.0km s-min=1.8km az=19.0.
ISC II 22 02 22 39.5–1.6 40.06N–.05 77.53E–.04 3–10 4.0b,3.3s 112 2-82
IDC II 22 02 22 39.5–.81 40.05N 77.69E 0 3.9,3.9b ¶610246677
NNC II 22 02 22 44.4–.94 40.33N 77.69E 0 4.6b,4.3
KRNET II 22 02 22 48.9–.10 40.71N 77.40E 17 4.2b,4.3
SOME II 22 02 22 48.0 40.62N 77.40E 5 4.2b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=14.5km s-min=13.8km az=85.0.
NNC Event type se. Error ellipse: s-maj=7.0km s-min=5.7km az=153.0.
ISC II 22 12 34 13.9–2.7 42.12N–.07 80.8E–.10 10 40 1-4
KRNET II 22 12 34 10.3–.10 39.80N 80.77E 2.5b ¶612085825
SOME II 22 12 34 12.3 42.03N 80.93E 10 2.5b
NNC II 22 12 34 14.1–1.4 42.06N 80.89E 0 3.0b,2.8
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=10.1km s-min=7.9km az=64.0.
ISC II 22 16 22 49.8–1.8 41.07N–.08 78.82E–.05 10 74 1-6
SOME II 22 16 22 43.3 40.80N 78.93E 10 ¶610246673
NNC II 22 16 22 44.3–.88 40.85N 78.87E 0 3.9b,3.5
KRNET II 22 16 22 45.4–.10 40.87N 78.87E 18 3.1b,3.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=5.9km s-min=4.6km az=158.0.
ISC II 27 15 52 03.0–2.7 40.2N–.10 77.06E–.04 13–15 65 1-8
SOME II 27 15 52 01.3 40.07N 77.22E 5 ¶612086190
NNC II 27 15 52 01.6–1.3 40.03N 77.12E 0 3.5b,3.3
KRNET II 27 15 52 04.0–.10 40.22N 77.20E 18 2.9b,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=8.9km s-min=6.6km az=169.0.
SOME II 28 12 20 52.8 42.25N 81.00E 5
¶616220262
ISC II 28 14 03 22.0–2.4 42.69N–.08 80.66E–.08 9–12 37 1-4
SOME II 28 14 03 16.4 42.18N 80.60E 15 ¶612669513
KRNET II 28 14 03 19.1–.10 41.79N 80.59E 2.4b
NNC II 28 14 03 20.2–2.1 42.34N 80.42E 0 2.8b,2.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=14.7km s-min=12.9km az=43.0.
ISC III 03 13 25 20.8–1.4 41.13N–.05 76.06E–.03 16–11 93 0-5
KRNET III 03 13 25 21.0–.10 41.14N 76.17E 14 3.0b ¶610472603
SOME III 03 13 25 22.5 41.27N 76.13E 5 3.0b
NNC III 03 13 25 22.6–1.4 41.15N 76.17E 0 3.7b,3.4
KNET III 03 13 25 23.4–.64 41.29N 75.99E 0 2.6L,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=10.5km s-min=6.5km az=161.0.
KNET Error ellipse: s-maj=4.7km s-min=2.7km az=140.0.
ISC III 03 23 46 44.6–1.5 42.98N–.04 80.15E–.04 4–9 3.6b 119 1-80
IDC III 03 23 46 41.4–1.8 42.69N 80.31E 0 3.5b,3.4 ¶610545486
SOME III 03 23 46 45.5 43.00N 80.17E 25 3.5b,3.4
NNC III 03 23 46 45.6–.68 42.98N 80.14E 0 4.1b,3.9
KRNET III 03 23 46 46.1–.10 43.02N 80.16E 3.6b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=34.1km s-min=17.3km az=145.0.
NNC Event type se. Error ellipse: s-maj=4.3km s-min=3.6km az=179.0.
ISC III 04 18 12 19.7–2.5 41.9N–.10 79.98E–.08 10 30 1-20
SOME III 04 18 12 14.1 41.82N 80.27E 10 ¶610545541
NNC III 04 18 12 16.7–3.0 41.83N 80.13E 0 2.8b,2.7
IDC III 04 18 12 16.4–9.2 41.84N 80.20E 0 2.7,2.7L
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=19.9km s-min=17.3km az=119.0.
IDC Error ellipse: s-maj=105.1km s-min=77.8km az=119.0.
ISC III 06 00 38 36.1–3.2 42.46N–.07 80.8E–.10 6–13 21 1-4
SOME III 06 00 38 31.4 42.45N 81.07E 10 ¶612114928
KRNET III 06 00 38 33.8–.10 39.31N 79.33E 2.2b
NNC III 06 00 38 35.8–1.6 42.50N 80.87E 0 2.4,2.2b
ISC Event type ke.
NNC Event type se. Error ellipse: s-maj=20.6km s-min=9.5km az=41.0.
ISC III 06 14 47 02.4–1.2 41.74N–.03 77.30E–.02 2–10 100 0-3
KRNET III 06 14 47 01.4–.10 41.71N 77.34E 21 2.6b ¶610472647
SOME III 06 14 47 02.5 41.73N 77.28E 15 2.6b
KNET III 06 14 47 03.7–.33 41.78N 77.17E 5–1 2.2L
NNC III 06 14 47 03.7–.56 41.79N 77.30E 0 3.4b,3.2
ISC Event type se.
KNET Error ellipse: s-maj=3.0km s-min=1.6km az=29.0.
NNC Event type se. Error ellipse: s-maj=3.9km s-min=2.3km az=178.0.
ISC III 08 17 04 14.4–1.6 40.29N–.05 74.70E–.03 26–16 83 1-5
KRNET III 08 17 04 11.1–.10 40.30N 74.73E 28 3.0b ¶610472674
SOME III 08 17 04 12.4 40.28N 74.68E 15 3.0b
NNC III 08 17 04 12.6–1.2 40.33N 74.74E 0 3.6b,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=8.9km s-min=5.4km az=173.0.
ISC III 08 22 40 58.3–1.3 40.36N–.06 76.36E–.03 10 98 1-5
KRNET III 08 22 40 54.6–.10 40.29N 76.40E 18 3.5b ¶610305014
SOME III 08 22 40 55.0 40.32N 76.33E 10 3.5b
NNC III 08 22 40 58.0–1.1 40.40N 76.39E 0 4.0b,3.8
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=8.0km s-min=5.4km az=160.0.
ISC III 09 02 00 05.0–1.6 40.44N–.04 76.37E–.03 2–11 3.5b 180 1-77
SOME III 09 02 00 01.9 40.38N 76.33E 10 3.5b ¶610305030
IDC III 09 02 00 02.3–1.5 40.43N 76.60E 0 3.5,3.4b
KRNET III 09 02 00 02.5–.10 40.37N 76.49E 18 3.8b,3.4b
NNC III 09 02 00 05.4–.62 40.46N 76.39E 0 4.4b,4.1
MOS III 09 02 00 06.0–1.8 40.40N 76.24E 15 4.8b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=21.7km s-min=18.1km az=175.0.
NNC Event type se. Error ellipse: s-maj=4.7km s-min=3.1km az=161.0.
MOS Error ellipse: s-maj=10.5km s-min=4.6km az=88.6.
ISC III 09 20 47 30.3–2.3 41.96N–.08 79.67E–.08 14–11 50 1-3
SOME III 09 20 47 30.4 42.08N 79.45E 0 ¶612086882
NNC III 09 20 47 30.7–1.0 41.99N 79.45E 14–8 3.5b,3.0
KRNET III 09 20 47 31.9–.10 42.06N 79.71E 35 2.2b,3.0
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=8.0km s-min=5.3km az=174.0.
ISC III 13 13 30 34.1–1.2 41.89N–.03 77.06E–.02 7–9 134 0-6
KRNET III 13 13 30 33.4–.10 41.83N 77.08E 19 3.0b ¶610472747
SOME III 13 13 30 34.0 41.90N 77.07E 10 3.0b
NNC III 13 13 30 34.7–.64 41.92N 77.08E 0 3.5,3.2b
KNET III 13 13 30 36.3–.61 41.94N 76.95E 17–2 2.2L,3.2b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=4.5km s-min=2.6km az=179.0.
KNET Error ellipse: s-maj=9.4km s-min=3.1km az=25.0.
ISC III 15 14 02 08.2–2.6 40.9N–.10 77.96E–.06 2–14 37 1-4
NNC III 15 14 02 02.9–3.6 40.70N 77.98E 0 3.1b,2.8 ¶612087283
KRNET III 15 14 02 04.8–.10 40.78N 78.17E 20 2.1b,2.8
SOME III 15 14 02 06.1 40.83N 78.02E 10 2.1b,2.8
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=24.5km s-min=18.6km az=0.0.
SOME III 17 05 22 29.8 42.28N 80.97E 10
¶612669976
ISC III 18 03 31 26.4–2.3 41.34N–.10 78.36E–.06 10–11 41 1-3
SOME III 18 03 31 21.3 41.05N 78.10E 0 ¶612087443
KRNET III 18 03 31 21.5–.10 41.28N 78.63E 20 2.3b
NNC III 18 03 31 24.3–2.7 41.07N 78.15E 0 3.2b,2.8
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=19.3km s-min=11.1km az=171.0.
ISC III 21 14 46 37.4–1.6 40.04N–.05 75.62E–.03 0–10 3.6b 109 1-83
IDC III 21 14 46 35.1–1.1 39.67N 75.49E 0 3.5b,3.4 ¶610401460
KRNET III 21 14 46 38.1–.10 39.95N 75.64E 3.7b,3.4
SOME III 21 14 46 38.9 40.12N 75.58E 0 3.7b,3.4
NNC III 21 14 46 41.1–.94 40.09N 75.61E 0 4.0b,3.6
ISC Event type se.
IDC Error ellipse: s-maj=25.0km s-min=14.6km az=73.0.
NNC Event type se. Error ellipse: s-maj=7.1km s-min=4.0km az=166.0.
ISC III 21 19 15 17.4–1.4 40.76N–.07 77.08E–.04 10 97 1-5
SOME III 21 19 15 13.9 40.65N 77.05E 5 ¶610415866
NNC III 21 19 15 14.8–.76 40.65N 77.10E 0 4.0b,3.7
KRNET III 21 19 15 15.5–.10 40.75N 76.99E 15 3.2b,3.7
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=5.1km s-min=3.9km az=163.0.
ISC III 24 09 15 29.8–2.2 42.24N–.06 80.47E–.08 20–9 65 1-5
SOME III 24 09 15 28.4 42.23N 80.52E 5 ¶612087885
KRNET III 24 09 15 29.5–.10 42.25N 80.55E 2.8b
NNC III 24 09 15 29.6–1.2 42.28N 80.55E 0 3.8b,3.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=7.6km s-min=7.0km az=88.0.
ISC III 26 03 25 57.1–1.3 40.86N–.03 74.01E–.02 1–10 117 1-13
KRNET III 26 03 25 56.8–.10 40.79N 74.10E 25 3.9b ¶610435146
SOME III 26 03 25 57.8 40.77N 74.10E 20 3.9b
KNET III 26 03 25 58.9–.57 40.96N 74.18E 3–2 3.5L
NNC III 26 03 25 58.3–.87 40.88N 74.07E 0 4.4b,4.2
ISC Event type se.
KNET Error ellipse: s-maj=4.4km s-min=2.9km az=54.0.
NNC Event type se. Error ellipse: s-maj=7.3km s-min=3.4km az=173.0.
ISC III 27 02 37 33.9–1.9 42.54N–.06 80.75E–.06 16–11 79 1-8
SOME III 27 02 37 31.1 42.20N 80.43E 5 ¶612088060
KRNET III 27 02 37 31.3–.10 42.29N 80.73E 3.5b
NNC III 27 02 37 32.9–.83 42.28N 80.42E 0 4.3b,4.0
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=5.1km s-min=4.3km az=128.0.
ISC III 27 15 26 54.8–1.3 40.12N–.03 75.79E–.02 4–8 4.1b 259 1-83
IDC III 27 15 26 51.9–.94 39.71N 75.79E 0 3.8,3.7b ¶610436985
SOME III 27 15 26 55.9 40.13N 75.70E 10 3.8,3.7b
KRNET III 27 15 26 56.9–.10 40.07N 75.70E 4.2b,3.7b
NNC III 27 15 26 57.8–1.9 40.20N 75.73E 0 4.5b,4.1
MOS III 27 15 26 59.3–.87 39.98N 75.70E 56 4.2b,4.1
NEIC III 27 15 27 01.0–2.4 40.16N–.06 75.57E–.08 43–7 4.6b,4.1
ISC Event type se.
IDC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 27 16 52 42.4–1.7 40.07N–.09 76.87E–.04 10 93 2-6
SOME III 27 16 52 39.0 40.05N 76.78E 10 ¶610472972

KRNET III 27 16 52 39.9–.10 40.04N 76.82E 3.2b
NNC III 27 16 52 41.9–.80 40.12N 76.89E 0 3.7b,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=5.9km s-min=4.8km az=150.0.
ISC III 28 00 30 15.4–2.0 42.27N–.09 80.78E–.07 10 56 1-9
SOME III 28 00 30 12.2 42.08N 81.02E 20 **¶612088141**
NNC III 28 00 30 13.4–.66 42.16N 80.89E 0 3.7b,3.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=4.6km s-min=3.8km az=161.0.
ISC III 28 01 10 55.2–1.9 42.41N–.09 80.90E–.07 10 32 1-4
SOME III 28 01 10 50.1 42.07N 81.02E 20 **¶612088144**
NNC III 28 01 10 53.9–3.0 42.31N 81.05E 0 2.6b,2.4
KRNET III 28 01 10 54.8–.10 42.30N 80.79E 1.8b,2.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=24.5km s-min=14.0km az=153.0.
ISC III 30 11 10 04.6–1.6 40.08N–.05 75.42E–.03 11–10 3.8b 114 2-84
IDC III 30 11 10 00.7–.89 39.72N 75.33E 0 3.7b,3.6 **¶610458955**
KRNET III 30 11 10 02.9–.10 39.76N 75.41E 4.2b,3.6
SOME III 30 11 10 04.2 39.98N 75.23E 0 4.2b,3.6
NNC III 30 11 10 06.8–1.1 39.99N 75.33E 0 4.4b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=19.5km s-min=11.9km az=83.0.
NNC Event type se. Error ellipse: s-maj=7.4km s-min=5.1km az=174.0.
ISC IV 05 11 29 36.2–1.3 41.70N–.04 77.59E–.02 2–10 122 0-5
SOME IV 05 11 29 35.7 41.70N 77.60E 5 **¶610502368**
NNC IV 05 11 29 37.0–.64 41.71N 77.65E 0 4.0b,3.9
KRNET IV 05 11 29 36.2–.10 41.68N 77.62E 18 3.5b,3.9
KNET IV 05 11 29 38.7–.52 41.78N 77.45E 5–2 2.9L,3.9
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=4.3km s-min=2.9km az=3.0.
KNET Error ellipse: s-maj=9.8km s-min=3.0km az=32.0.
KRNET IV 05 11 30 18.7–.10 41.77N 77.83E 26 2.1b
¶616621690
ISC IV 08 17 58 38.4–1.5 42.32N–.05 80.55E–.06 10 79 1-9
SOME IV 08 17 58 37.4 42.23N 80.48E 5 **¶612037307**
KRNET IV 08 17 58 38.3–.10 42.26N 80.57E 19 3.3b
NNC IV 08 17 58 39.6–.96 42.28N 80.41E 0 3.8b,3.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=6.1km s-min=5.2km az=141.0.
ISC IV 08 22 20 02.8–1.8 41.48N–.06 78.76E–.04 3–11 103 1-9
SOME IV 08 22 20 02.9 41.53N 78.80E 5 **¶612037316**
KRNET IV 08 22 20 02.1–.10 41.47N 78.82E 9 3.2b
NNC IV 08 22 20 05.1–1.4 41.55N 78.87E 0 3.8b,3.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=9.9km s-min=6.1km az=162.0.
ISC IV 11 04 51 52.3–2.2 41.92N–.06 79.45E–.05 2–12 94 1-9
NNC IV 11 04 51 49.1–1.4 41.72N 79.39E 0 4.0b,3.7 **¶610526214**
SOME IV 11 04 51 49.0 41.82N 79.58E 15 4.0b,3.7
KRNET IV 11 04 51 49.0–.10 41.86N 79.57E 19 3.2b,3.7
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=9.6km s-min=5.8km az=150.0.
ISC IV 11 17 53 58.4–1.4 40.54N–.06 77.37E–.04 10 110 1-10
KRNET IV 11 17 53 56.6–.10 40.56N 77.27E 18 3.5b **¶610526838**
SOME IV 11 17 53 57.4 40.65N 77.13E 10 3.5b
NNC IV 11 17 54 00.9–2.9 40.59N 77.21E 0 3.9b,3.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=20.0km s-min=15.5km az=165.0.
ISC IV 14 08 35 22.8–2.3 41.56N–.08 79.35E–.06 3–12 57 1-9
KRNET IV 14 08 35 21.8–.10 41.53N 79.36E 18 2.6b **¶612037573**
SOME IV 14 08 35 22.8 41.63N 79.32E 5 2.6b
NNC IV 14 08 35 23.4–1.1 41.59N 79.30E 0 3.7b,3.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=7.7km s-min=5.0km az=158.0.
ISC IV 21 09 42 56.6–1.7 42.29N–.05 80.69E–.05 1–10 83 1-8
SOME IV 21 09 42 52.6 42.13N 80.90E 15 **¶612037906**
NNC IV 21 09 42 53.1–1.1 42.12N 80.87E 0 4.3b,4.0
KRNET IV 21 09 42 54.1–.10 42.64N 80.85E 3.6b,4.0
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=7.3km s-min=5.7km az=135.0.
ISC IV 21 16 57 12.0–1.1 41.89N–.03 76.82E–.02 12–9 159 0-6
KRNET IV 21 16 57 11.5–.10 41.88N 76.83E 15 3.7b **¶610547195**
SOME IV 21 16 57 11.6 41.82N 76.85E 20 3.7b
NNC IV 21 16 57 12.3–.53 41.91N 76.84E 0 4.1b,4.0
KNET IV 21 16 57 13.6–.52 41.95N 76.74E 13–2 2.8L,4.0
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=3.3km s-min=2.6km az=174.0.
KNET Error ellipse: s-maj=5.7km s-min=2.7km az=45.0.
ISC IV 28 05 01 25.4–.51 41.90N–.02 76.78E–.01 13–3 4.6b,3.8s 625 0-97
IDC IV 28 05 01 22.8–.65 41.82N 76.83E 0 4.4,4.4b **¶611833675**
MOS IV 28 05 01 23.1–1.1 41.84N 76.85E 9 4.7b,4.4b
BJI IV 28 05 01 23.7–.00 41.90N 76.77E 23 4.6b,4.6L
NEIC IV 28 05 01 24.7–1.8 41.90N–.07 76.81E–.09 7–4 4.7b,4.3
SOME IV 28 05 01 24.3 41.90N 76.83E 15 4.1s,4.3
KRNET IV 28 05 01 24.1–.10 41.89N 76.80E 15 5.2b,4.3
NNC IV 28 05 01 24.9–.44 41.93N 76.80E 0 5.3,5.2b
KNET IV 28 05 01 25.9–.56 41.93N 76.67E 13–2 4.5L,5.2b
NEIC IV 28 05 01 26 41.92N 76.80E 15 4.5L,5.2b
BGR IV 28 05 01 37.3 42.86N 77.20E 33 4.5b,5.2b
ISC Event type ke.
IDC Error ellipse: s-maj=13.6km s-min=8.4km az=3.0.
MOS Event type fe. Error ellipse: s-maj=4.1km s-min=3.3km az=98.1. Felt (III-IV) at Almaty. Moment Tensor Solution.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=9.2km az=146.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}1.92 $M_{\theta\theta}$-2.19 $M_{\phi\phi}$0.27 $M_{r\theta}$-2.48 $M_{\theta\phi}$-0.54 $M_{\phi r}$0.95 NP1:ϕ_s55.10000°,δ25.55000°,λ45.20000°. NP2:ϕ_s282.84000°,δ72.18000°,λ108.61000°. Principal axes: T 3.4614,Plg59.0000°,Azm219.0000°; N -0.0967,Plg18.0000°,Azm97.0000°; P -3.3647,Plg25.0000°,Azm358.0000° $M_0$3.41000×10^{15}
NNC Event type se. Error ellipse: s-maj=2.8km s-min=2.2km az=158.0.
KNET Error ellipse: s-maj=5.1km s-min=2.8km az=64.0.
NEIC Event type se.
BGR Event type ke.
ISC IV 29 13 41 52.1–.61 40.57N–.03 74.78E–.02 14–3 4.0b,3.9s 296 1-84
SOME IV 29 13 41 48.0 40.48N 74.78E 10 3.6s,3.9s **¶610589266**
BJI IV 29 13 41 48.4–.00 40.54N 74.63E 8 4.6b,4.1L
IDC IV 29 13 41 49.4–.79 40.50N 74.86E 0 3.8s,3.8
KRNET IV 29 13 41 49.9–.10 40.54N 74.80E 18 4.6b,3.8
NNC IV 29 13 41 50.7–.69 40.56N 74.75E 0 5.0b,4.8
MOS IV 29 13 41 51.9–1.1 40.50N 74.75E 23 4.3b,4.8
NEIC IV 29 13 41 53.7–3.0 40.58N–.04 74.73E–.07 20–9 4.4b,4.8
ISC Event type se.
NNC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 29 14 14 24.0–1.3 40.55N–.04 74.81E–.03 9–13 85 1-5
KRNET IV 29 14 14 27.0–.10 40.65N 74.76E 13 3.1b **¶610639154**
SOME IV 29 14 14 26.6 40.70N 74.75E 0 3.1b
NNC IV 29 14 14 27.6–.57 40.65N 74.75E 0 3.8b,3.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=4.1km s-min=2.1km az=176.0.
ISC IV 30 08 10 15.4–3.3 42.45N–.08 80.79E–.10 2–26 28 1-4
NNC IV 30 08 10 14.0–4.9 42.27N 80.68E 0 2.8b,2.7 **¶612038310**
SOME IV 30 08 10 15.0 42.18N 80.60E 15 2.8b,2.7
KRNET IV 30 08 10 16.7–.10 42.05N 80.59E 2.6b,2.7
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=32.0km s-min=29.0km az=158.0.
ISC IV 30 20 47 25.5–1.5 40.55N–.05 74.76E–.03 0–11 77 1-5
SOME IV 30 20 47 24.9 40.52N 74.72E 5 **¶610639167**
NNC IV 30 20 47 26.8–1.1 40.53N 74.76E 0 3.8b,3.4
KRNET IV 30 20 47 26.1–.10 40.54N 74.74E 15 3.2b,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=7.6km s-min=4.3km az=179.0.
ISC IV 30 22 09 24.0–1.0 41.99N–.02 76.67E–.02 10–8 141 0-7
KRNET IV 30 22 09 22.7–.10 41.92N 76.67E 16 3.5b **¶610589567**
NNC IV 30 22 09 23.9–.53 41.99N 76.66E 0 4.1,3.8b
SOME IV 30 22 09 23.2 42.00N 76.68E 5 4.1,3.8b
KNET IV 30 22 09 24.6–.36 41.98N 76.56E 14–2 2.6L,3.8b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=3.3km s-min=2.2km az=7.0.
KNET Error ellipse: s-maj=3.7km s-min=2.5km az=55.0.
ISC V 07 08 07 38.7–2.8 40.8N–.20 77.61E–.07 10 17 1-3
KRNET V 07 08 07 36.8–.10 40.71N 77.72E 35 2.6b **¶612116094**
SOME V 07 08 07 36.6 40.72N 77.60E 10 2.6b
ISC Event type ke.
ISC V 11 16 59 57.3–1.3 40.97N–.03 75.27E–.02 2–11 108 1-77
IDC V 11 16 59 53.0–6.4 39.24N 76.95E 0 3.4b,3.2 **¶610630611**
NNC V 11 16 59 59.5–.60 41.00N 75.35E 0 4.1b,3.9
SOME V 11 16 59 59.2 41.02N 75.28E 15 4.1b,3.9
KRNET V 11 16 59 59.9–.10 41.09N 75.28E 19 3.4b,3.9
KNET V 11 17 00 00.8–.58 41.19N 75.30E 1–3 3.1L,3.9
ISC Event type se.
IDC Error ellipse: s-maj=227.8km s-min=27.2km az=131.0.
NNC Event type se. Error ellipse: s-maj=4.6km s-min=2.1km az=171.0.
KNET Error ellipse: s-maj=4.1km s-min=2.7km az=162.0.
SOME V 12 12 58 24.6 42.10N 80.67E 15
KRNET V 12 12 58 26.4–.10 39.60N 78.13E 2.0b **¶612670662**
ISC V 15 21 24 09.7–3.1 41.80N–.09 79.51E–.09 11–14 32 1-3
KRNET V 15 21 24 02.8–.10 40.20N 78.70E 2.1b **¶612039066**
SOME V 15 21 24 09.8 41.83N 79.43E 10 2.1b
NNC V 15 21 24 10.6–.81 41.87N 79.44E 0 2.7,2.4b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=5.4km s-min=3.4km az=156.0.
ISC V 16 13 49 10.7–1.8 41.81N–.06 79.10E–.05 6–12 74 1-5
SOME V 16 13 49 09.5 41.78N 79.22E 10 **¶612039090**
NNC V 16 13 49 10.0–.67 41.79N 79.18E 0 3.6,3.5b
KRNET V 16 13 49 09.4–.10 41.80N 79.16E 15 3.1b,3.5b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=4.5km s-min=2.6km az=154.0.
ISC V 19 00 08 40.0–2.4 41.27N–.08 79.23E–.06 1–12 60 1-7
SOME V 19 00 08 42.6 41.45N 79.27E 10 **¶612039187**
KRNET V 19 00 08 42.4–.10 41.29N 79.21E 18 2.6b
NNC V 19 00 08 44.5–.68 41.49N 79.21E 0 3.9b,3.8
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=4.8km s-min=3.3km az=152.0.
ISC V 19 02 14 33.2–2.3 40.13N–.09 77.95E–.06 5–13 76 2-6
SOME V 19 02 14 28.4 39.97N 77.83E 10 **¶610769267**
NNC V 19 02 14 32.3–.90 40.14N 77.84E 0 4.2b,3.9
KRNET V 19 02 14 32.4–.10 40.02N 77.62E 3.4b,3.9
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=6.4km s-min=4.7km az=150.0.
ISC V 19 15 59 49.5–1.6 42.57N–.06 80.57E–.06 10 49 1-4
KRNET V 19 15 59 47.0–.10 39.11N 77.67E 2.8b **¶612039226**
SOME V 19 15 59 48.2 42.52N 80.70E 15 2.8b
NNC V 19 15 59 49.2–.71 42.54N 80.65E 0 3.1,3.0b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=4.9km s-min=3.9km az=166.0.
ISC V 22 01 12 53.7–1.3 40.95N–.03 74.19E–.02 4–12 77 1-5
KRNET V 22 01 12 54.8–.10 41.04N 74.18E 20 2.6b **¶610769288**
NNC V 22 01 12 56.8–1.5 41.10N 74.19E 0 3.5b,3.1
SOME V 22 01 12 57.2 41.13N 74.08E 20 3.5b,3.1
KNET V 22 01 12 57.3–.46 41.17N 74.35E 7–2 2.0L,3.1
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=11.6km s-min=6.1km az=0.0.
KNET Error ellipse: s-maj=3.1km s-min=2.4km az=61.0.
ISC V 23 00 11 43.4–2.8 40.2N–.10 76.59E–.04 2–17 61 1-5
SOME V 23 00 11 43.1 40.10N 76.57E 25 **¶612039363**
KRNET V 23 00 11 45.0–.10 40.25N 76.71E 18 3.3b
NNC V 23 00 11 45.1–1.1 40.28N 76.59E 0 3.8b,3.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=8.0km s-min=5.6km az=165.0.
ISC V 26 00 21 00.4–3.2 40.2N–.10 77.77E–.06 3–25 59 2-7
KRNET V 26 00 20 57.4–.10 40.13N 77.74E 3.1b **¶612039502**
SOME V 26 00 20 58.9 40.28N 77.72E 0 3.1b
NNC V 26 00 21 00.4–1.8 40.23N 77.68E 0 3.8b,3.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=12.5km s-min=9.6km az=163.0.
ISC V 31 03 28 33.9–2.2 40.72N–.08 77.43E–.04 7–13 81 1-6
SOME V 31 03 28 32.3 40.63N 77.48E 15 **¶610769388**
NNC V 31 03 28 33.3–.82 40.67N 77.73E 0 4.3b,3.9
KRNET V 31 03 28 33.5–.10 40.63N 77.58E 19 3.3b,3.9
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=5.7km s-min=3.5km az=167.0.
ISC VI 01 21 46 28.2–1.7 40.37N–.05 76.50E–.04 2–13 106 1-15
SOME VI 01 21 46 27.9 40.47N 76.33E 10 **¶610659580**
NNC VI 01 21 46 28.8–1.9 40.51N 76.29E 0 4.1b,3.7
KRNET VI 01 21 46 28.6–.10 40.38N 76.49E 20 3.9b,3.7
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=14.7km s-min=14.0km az=39.0.
ISC VI 04 01 24 10.8–2.8 41.0N–.10 78.72E–.05 6–14 51 1-4
KRNET VI 04 01 24 06.1–.10 40.85N 78.87E 17 2.5b **¶612088569**
SOME VI 04 01 24 08.4 40.92N 78.70E 10 2.5b
NNC VI 04 01 24 10.0–.58 40.98N 78.71E 0 3.6b,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=4.0km s-min=3.1km az=173.0.
ISC VI 05 00 51 15.3–2.2 41.06N–.08 78.49E–.05 0–12 68 1-6
SOME VI 05 00 51 14.8 41.10N 78.43E 5 **¶612088602**
KRNET VI 05 00 51 14.7–.10 40.96N 78.49E 25 3.0b
NNC VI 05 00 51 15.4–1.0 41.05N 78.52E 0 3.9b,3.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=6.9km s-min=4.4km az=162.0.
ISC VI 08 12 21 12.2–2.2 42.31N–.06 80.53E–.08 7–11 36 1-5
KRNET VI 08 12 21 11.6–.10 42.38N 80.54E 2.4b **¶612088768**
NNC VI 08 12 21 12.8–1.2 42.31N 80.56E 0 2.8,2.7b
SOME VI 08 12 21 12.3 42.20N 80.55E 20 2.8,2.7b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=9.8km s-min=7.1km az=48.0.
ISC VI 08 14 01 11.5–2.3 40.55N–.09 77.56E–.04 8–15 68 1-6
KRNET VI 08 14 01 13.7–.10 40.63N 77.65E 19 3.4b **¶612088775**
SOME VI 08 14 01 13.8 40.63N 77.62E 10 3.4b
NNC VI 08 14 01 15.2–.88 40.67N 77.66E 0 4.2b,3.9
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=6.0km s-min=4.9km az=1.0.
ISC VI 09 05 10 12.9–2.2 41.69N–.07 79.35E–.06 5–12 74 1-6
SOME VI 09 05 10 12.4 41.72N 79.32E 15 **¶612088785**
NNC VI 09 05 10 12.7–1.1 41.70N 79.32E 0 3.7b,3.4
KRNET VI 09 05 10 13.0–.10 41.68N 79.35E 12 2.6b,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=7.5km s-min=4.9km az=154.0.
ISC VI 10 04 52 35.5–1.2 40.97N–.05 74.98E–.02 16–11 82 1-5
SOME VI 10 04 52 37.7 41.08N 74.95E 0 **¶617195829**
KRNET VI 10 04 52 37.1–.10 41.07N 74.94E 15 3.5b
NNC VI 10 04 52 39.2–.97 41.03N 74.96E 0 4.3b,3.9
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=7.5km s-min=4.6km az=170.0.
ISC VI 14 18 14 13.6–2.4 42.43N–.07 80.86E–.08 6–12 59 1-4
SOME VI 14 18 14 07.5 42.17N 80.93E 5 **¶612088993**
NNC VI 14 18 14 08.6–1.1 42.18N 80.96E 0 3.7b,3.6
KRNET VI 14 18 14 09.9–.10 42.56N 80.94E 2.8b,3.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=7.5km s-min=6.9km az=2.0.
ISC VI 17 09 54 03.9–8.8 41.4N–.60 80.0E–.30 10 10 2-3

SOME VI 17 09 53 52.9 40.98N 79.88E 5 ¶612089134
NNC VI 17 09 53 54.0–.44 40.98N 80.14E 0 3.6b,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=3.5km s-min=2.9km az=57.0.
ISC VI 22 08 50 25.9–2.6 40.6N–.10 76.69E–.04 4–15 53 1-5
SOME VI 22 08 50 21.8 40.47N 76.62E 0 ¶612053733
NNC VI 22 08 50 21.6–1.4 40.40N 76.64E 0 3.6b,3.3
KRNET VI 22 08 50 23.5–.10 40.51N 76.75E 15 3.1b,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=10.0km s-min=6.1km az=171.0.
ISC VI 25 05 34 00.8–1.1 40.29N–.06 76.53E–.03 10 94 1-39
SOME VI 25 05 33 54.4 40.12N 76.58E 0 ¶610694615
IDC VI 25 05 33 59.7–2.9 40.31N 76.69E 0 3.9b,3.4
KRNET VI 25 05 34 00.1–.10 40.23N 76.53E 3.7b,3.4
NNC VI 25 05 34 01.0–1.6 40.28N 76.66E 0 4.0b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=30.3km s-min=23.3km az=11.0.
NNC Event type se. Error ellipse: s-maj=11.5km s-min=8.9km az=155.0.
ISC VI 26 11 32 00.9–1.5 41.83N–.05 79.36E–.03 14–9 3.7s,3.6b 111 1-87
IDC VI 26 11 31 57.9–.98 41.74N 79.61E 0 3.6,3.6b ¶610695065
SOME VI 26 11 32 00.9 41.90N 79.20E 0 3.6,3.6b
KRNET VI 26 11 32 02.1–.10 41.82N 79.21E 13 3.7b,3.6b
NNC VI 26 11 32 02.4–1.1 41.91N 79.31E 0 4.3b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=17.8km s-min=14.8km az=162.0.
NNC Event type se. Error ellipse: s-maj=7.8km s-min=4.6km az=153.0.
ISC VI 27 18 12 12.0–1.3 40.92N–.03 74.05E–.02 9–15 97 1-5
KRNET VI 27 18 12 12.9–.10 40.94N 74.06E 18 2.9b ¶610759047
SOME VI 27 18 12 12.8 40.97N 74.10E 5 2.9b
KNET VI 27 18 12 14.9–.57 41.07N 74.13E 4–2 2.5L
NNC VI 27 18 12 14.4–.92 41.01N 74.05E 0 3.6b,3.3
ISC Event type se.
KNET Error ellipse: s-maj=4.0km s-min=2.8km az=34.0.
NNC Event type se. Error ellipse: s-maj=6.2km s-min=3.6km az=26.0.
ISC VI 28 19 47 00.0–1.6 40.59N–.05 77.56E–.04 1–11 100 1-71
IDC VI 28 19 46 46.9–2.3 39.68N 78.22E 0 3.8b,3.4 ¶610759050
SOME VI 28 19 46 52.7 40.33N 77.68E 0 3.8b,3.4
KRNET VI 28 19 46 54.0–.10 40.30N 77.61E 3.9b,3.4
NNC VI 28 19 46 56.8–.71 40.43N 77.74E 0 4.3b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=36.3km s-min=20.3km az=119.0.
NNC Event type se. Error ellipse: s-maj=5.2km s-min=4.3km az=164.0.
ISC VI 30 16 36 14.0–1.2 40.94N–.03 74.10E–.02 2–10 107 1-5
SOME VI 30 16 36 14.6 40.97N 74.13E 5 ¶610728756
NNC VI 30 16 36 14.3–1.0 40.90N 74.11E 0 3.9b,3.6
KRNET VI 30 16 36 14.5–.10 40.92N 74.05E 23 3.4b,3.6
KNET VI 30 16 36 17.2–.42 41.10N 74.15E 0 2.9L,3.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=8.3km s-min=4.4km az=174.0.
KNET Error ellipse: s-maj=2.7km s-min=2.0km az=30.0.

(321) Southern Xinjiang.

ISC I 01 00 03 57.7–3.8 41.1N–.20 82.7E–.10 10 44 3-6
SOME I 01 00 03 59.2 41.17N 82.55E 5 ¶612032552
NNC I 01 00 04 00.5–2.2 41.25N 82.63E 0 3.5b,3.1
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=16.2km s-min=10.6km az=162.0.
ISC I 01 08 22 07.2–4.0 41.9N–.20 83.3E–.20 10 38 3-9
SOME I 01 08 22 06.7 42.02N 83.30E 10 ¶612032562
NNC I 01 08 22 09.1–2.4 41.97N 83.25E 0 3.6b,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=18.8km s-min=9.9km az=153.0.
ISC I 03 20 18 50.2–3.9 41.8N–.20 83.4E–.20 10 28 3-6
NNC I 03 20 18 47.2–2.1 41.67N 83.62E 5–6 3.7b,3.4 ¶612032659
SOME I 03 20 18 51.4 41.68N 83.27E 0 3.7b,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=14.5km s-min=8.9km az=142.0.
ISC I 04 01 03 59.3–.35 41.90N–.04 82.49E–.03 13 4.5b 264 2-98
IDC I 04 01 03 57.3–.66 41.90N 82.54E 0 4.3,4.3b ¶609975349
MOS I 04 01 03 59.1–1.3 41.90N 82.59E 25 4.7b,4.3b
NEIC I 04 01 04 01.5–1.6 41.93N–.07 82.53E–.10 26–4 4.6b,4.3b
SOME I 04 01 04 02.4 42.15N 82.20E 0 4.0s,4.3b
NNC I 04 01 04 03.1–1.7 42.08N 82.30E 5–8 4.9b,4.7
ISC Event type se.
IDC Error ellipse: s-maj=13.9km s-min=11.5km az=46.0.
MOS Error ellipse: s-maj=7.3km s-min=4.9km az=112.7.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=9.6km az=134.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=11.3km s-min=8.7km az=141.0.
ISC I 04 06 37 09.0–4.7 41.8N–.20 82.7E–.20 13 28 3-9
SOME I 04 06 37 09.0 42.08N 82.47E 15 ¶612032668
NNC I 04 06 37 10.8–2.1 42.08N 82.31E 0 3.6b,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=16.4km s-min=8.8km az=156.0.
ISC I 04 07 09 55.3–3.7 42.0N–.20 82.2E–.10 10 23 2-5
SOME I 04 07 09 52.0 41.93N 82.42E 10 ¶612032671
NNC I 04 07 09 54.2–2.5 41.93N 82.34E 0 3.5b,3.1
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=17.9km s-min=9.9km az=154.0.
ISC I 04 14 09 47.2–3.9 42.0N–.20 82.8E–.20 10 20 3-6
SOME I 04 14 09 48.0 41.97N 82.57E 5 ¶612032688
NNC I 04 14 09 50.9–1.6 42.00N 82.49E 0 3.7b,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=12.5km s-min=7.2km az=165.0.
ISC I 06 05 25 59.7–.37 41.99N–.03 82.58E–.03 13 4.2b 185 2-81
IDC I 06 05 25 57.1–.65 41.95N 82.69E 0 4.0,4.0b ¶610010015
MOS I 06 05 25 59.8–.96 41.98N 82.66E 28 4.5b,4.0b
NEIC I 06 05 26 01.4–1.9 42.00N–.07 82.6E–.10 25–7 4.3b,4.0b
NNC I 06 05 26 02.9–.90 42.11N 82.37E 12–4 4.7b,4.4
SOME I 06 05 26 02.3 42.15N 82.37E 10 3.9s,4.4
ISC Event type se.
IDC Error ellipse: s-maj=14.0km s-min=10.5km az=48.0.
MOS Error ellipse: s-maj=7.6km s-min=4.9km az=127.6.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=10.6km az=117.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=6.6km s-min=4.2km az=151.0.
ISC I 06 23 43 02.3–2.2 39.34N–.08 75.06E–.04 3–13 56 2-5
KRNET I 06 23 42 58.3–.10 39.16N 75.25E 2.9b ¶612032785
SOME I 06 23 42 59.6 39.25N 75.53E 5 2.9b
NNC I 06 23 43 01.7–.94 39.39N 75.08E 0–4 3.6b,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=8.1km s-min=5.4km az=130.0.
ISC I 07 16 08 29.0–1.8 39.35N–.08 75.77E–.05 10 51 2-5
SOME I 07 16 08 16.7 39.05N 75.87E 0 ¶612032823
NNC I 07 16 08 22.5–2.1 39.24N 75.96E 0 3.6b,3.2
KRNET I 07 16 08 27.5–.10 39.30N 75.79E 3.1b,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=15.2km s-min=9.9km az=155.0.
ISC I 09 02 15 44.6–2.6 36.3N–.30 82.2E–.20 35 3.5b 8 9-81
IDC I 09 02 15 37.5–3.1 36.01N 81.98E 0 3.7,3.5b ¶610236988
ISC Event type ke.
IDC Error ellipse: s-maj=53.5km s-min=34.6km az=7.0.
ISC I 09 22 46 35.9–3.2 41.6N–.10 83.6E–.10 10 40 3-6
NNC I 09 22 46 36.0–2.3 41.74N 83.85E 3–8 3.9b,3.5 ¶612032909
SOME I 09 22 46 37.4 41.55N 83.48E 10 3.9b,3.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=38.2km s-min=12.7km az=18.0.
NNC I 10 21 10 34.3–4.2 37.80N 78.70E 0 3.7b,3.5
¶612032947
NNC Event type se. Error ellipse: s-maj=35.3km s-min=27.7km az=69.0.
ISC I 12 05 56 41.5–3.7 41.3N–.20 83.7E–.20 10 50 3-10
NNC I 12 05 56 46.3–1.7 41.56N 83.48E 8–7 4.3b,4.1 ¶612033004
SOME I 12 05 56 52.3 41.40N 83.20E 20 4.3b,4.1
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=10.5km s-min=8.0km az=152.0.
ISC I 12 09 50 14.2–3.5 39.2N–.20 75.49E–.06 10 30 4-5
NNC I 12 09 50 05.8–.78 38.73N 75.47E 0 4.0b,3.6 ¶612033015
SOME I 12 09 50 13.1 39.00N 75.55E 10 4.0b,3.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=6.2km s-min=5.2km az=118.0.
ISC I 15 09 17 39.3–1.2 39.23N–.07 74.25E–.05 10 64 2-6
SOME I 15 09 17 39.0 39.55N 73.97E 10 ¶612033124
KRNET I 15 09 17 39.8–.10 39.15N 74.30E 3.7b
NNC I 15 09 17 42.0–1.3 39.51N 74.30E 0 4.0b,3.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=12.1km s-min=7.0km az=153.0.
SOME I 18 23 22 14.9 37.82N 78.08E 5
NNC I 18 23 22 18.1–2.2 37.92N 78.42E 0 3.8b,3.5 ¶612033269
NNC Event type se. Error ellipse: s-maj=17.5km s-min=13.6km az=48.0.
ISC I 19 00 51 43.0–.72 39.54N–.04 74.34E–.03 10 3.9b 123 2-84
IDC I 19 00 51 41.6–1.0 39.57N 74.47E 0 3.9,3.9b ¶610159882
SOME I 19 00 51 42.7 39.82N 74.40E 10 3.9,3.9b
KRNET I 19 00 51 43.0–.10 39.57N 74.40E 3.7b,3.9b
NNC I 19 00 51 44.2–1.7 39.69N 74.50E 0 4.2b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=26.6km s-min=15.0km az=86.0.
NNC Event type se. Error ellipse: s-maj=13.1km s-min=7.9km az=163.0.
SOME I 20 08 59 52.3 38.62N 76.73E 10
NNC I 20 08 59 52.0–1.9 38.59N 76.65E 0 3.7b,3.5 ¶612033346
NNC Event type se. Error ellipse: s-maj=13.2km s-min=10.1km az=165.0.
ISC I 20 09 54 03.6–.21 38.20N–.03 76.67E–.02 21–2 5.2b,4.6s 1365 1-155
IDC I 20 09 54 00.2–.35 38.14N 76.67E 0 4.9,4.9b ¶610102499
BJI I 20 09 54 02.8–.00 38.21N 76.73E 10 5.3b,5.3L
MOS I 20 09 54 02.2–1.0 38.18N 76.72E 21 5.4b,4.7s
SOME I 20 09 54 04.1 38.45N 76.57E 10 4.7s,4.7s
GCMT I 20 09 54 05.4–.20 38.33N–.02 76.93E–.02 19–1 5.0W,4.7s
NNC I 20 09 54 05.5–1.3 38.47N 76.55E 0 5.6b,5.3
NEIC I 20 09 54 06.8–1.7 38.29N–.06 76.73E–.08 37–5 5.3b,5.3
BGR I 20 09 54 08.6 38.54N 76.76E 48–2 5.3b,4.6s
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s352.50674°,δ72.31043°,λ96.96658°. NP2: ϕ_s150.59996°,δ18.97105°,λ69.17859°. Principal axes: T Plg62.0748°,Azm273.0591° ; N Plg6.6357°,Azm170.3804°; P Plg26.9902°,Azm76.9836°
IDC Error ellipse: s-maj=9.3km s-min=8.3km az=17.0.
MOS Error ellipse: s-maj=4.4km s-min=2.9km az=111.4.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s31,c38; s77,c109;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.18±.20 $M_{\theta\theta}$0.33±.15; $M_{\phi\phi}$-2.51±.13; $M_{r\theta}$-0.50±.36; $M_{\theta\phi}$2.15±.10; $M_{\phi r}$3.49±.37; Best double couple: NP1:ϕ_s352.00000°,δ72.00000°,λ110.00000°. NP2:ϕ_s122.00000°,δ26.00000°,λ43.00000°. Principal axes: T 4.1390,Plg58.0000° ,Azm289.0000°; N 1.0600,Plg19.0000°,Azm166.0000°; P -5.1970,Plg25.0000°,Azm67.0000° $M_0$4.66800×10^{16}
NNC Event type se. Error ellipse: s-maj=11.1km s-min=8.1km az=131.0.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=8.4km az=130.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BGR Event type ke.
ISC I 20 14 17 44.3–6.4 39.5N–.40 76.69E–.09 10 13 3-4
SOME I 20 14 17 23.0 38.35N 76.68E 0 ¶612033372
NNC I 20 14 17 28.4–2.5 38.55N 76.65E 0 3.6b,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=16.6km s-min=14.6km az=155.0.
ISC I 22 16 34 39.5–2.2 39.6N–.10 77.26E–.05 17 74 2-6
KRNET I 22 16 34 34.7–.10 39.35N 77.19E 3.1b ¶612033468
SOME I 22 16 34 35.2 39.67N 77.15E 5 3.1b
NNC I 22 16 34 36.6–5.9 39.69N 77.58E 0 3.9b,3.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=39.4km s-min=32.0km az=159.0.
ISC I 23 05 27 31.8–1.6 38.3N–.10 76.68E–.09 10 3.8b 26 5-70
IDC I 23 05 27 28.9–2.1 38.11N 76.51E 0 3.8b,3.5 ¶610235167
NNC I 23 05 27 33.5–1.6 38.49N 76.72E 0 3.8b,3.4
ISC Event type se.
IDC Error ellipse: s-maj=37.7km s-min=24.8km az=144.0.
NNC Event type se. Error ellipse: s-maj=12.2km s-min=10.1km az=127.0.
ISC I 24 02 30 10.0–.79 38.26N–.06 76.56E–.05 10 3.7b 59 5-82
IDC I 24 02 30 08.1–.90 38.21N 76.62E 0 3.7b,3.6 ¶610180912
SOME I 24 02 30 13.0 38.55N 76.73E 5 3.7b,3.6
NNC I 24 02 30 14.8–1.9 38.55N 76.62E 0 4.2b,3.7
ISC Event type se.
IDC Error ellipse: s-maj=18.0km s-min=16.5km az=128.0.
NNC Event type se. Error ellipse: s-maj=13.3km s-min=10.1km az=154.0.
ISC I 24 18 41 57.0–.39 38.26N–.04 76.58E–.04 10 4.2b 189 1-116
IDC I 24 18 41 54.2–.96 38.24N 76.56E 0 3.8b,3.7 ¶610114465
SOME I 24 18 41 57.9 38.52N 76.68E 0 3.8b,3.7
NNC I 24 18 41 59.3–1.1 38.50N 76.66E 0 4.2b,3.8
MOS I 24 18 42 00.0–1.2 38.34N 76.63E 46 4.1b,3.8
NEIC I 24 18 42 01.8–1.9 38.40N–.07 76.72E–.06 44–9 4.5b,3.8
ISC Event type se.
NNC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 27 10 39 25.5–4.7 41.3N–.20 83.0E–.20 10 35 3-6
SOME I 27 10 39 19.6 41.30N 83.35E 0 ¶612033666
NNC I 27 10 39 21.0–1.9 41.14N 83.30E 0 3.7b,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=16.2km s-min=9.4km az=178.0.
ISC I 27 20 42 21.5–2.3 37.5N–.10 78.9E–.10 10 3.5b 50 6-72
IDC I 27 20 42 17.2–1.2 37.27N 78.92E 0 3.6b,3.5 ¶610235506
NNC I 27 20 42 25.0–1.5 37.56N 78.86E 22–9 4.2b,3.9
SOME I 27 20 42 25.0 37.67N 78.72E 10 4.2b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=28.3km s-min=18.0km az=51.0.
NNC Event type se. Error ellipse: s-maj=12.3km s-min=9.8km az=91.0.
ISC I 27 23 44 38.3–3.2 41.8N–.20 83.4E–.10 10 50 3-10
NNC I 27 23 44 34.2–1.2 41.51N 83.46E 0 4.0b,3.6 ¶612033686
SOME I 27 23 44 35.6 41.70N 83.53E 10 4.0b,3.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=9.7km s-min=6.3km az=167.0.
ISC I 28 14 03 36.5–1.6 39.24N–.08 74.41E–.04 10 59 2-6
NNC I 28 14 03 32.0–2.0 39.09N 74.60E 0 3.6b,3.3 ¶612033709
SOME I 28 14 03 33.1 39.18N 74.57E 5 3.6b,3.3
KRNET I 28 14 03 34.0–.10 39.15N 74.51E 3.0b,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=13.6km s-min=9.0km az=175.0.
ISC I 28 20 11 31.5–7.3 39.7N–.50 74.1E–.20 10 27 3-11
SOME I 28 20 11 10.2 39.00N 74.95E 15 ¶612033719
NNC I 28 20 11 13.1–1.5 39.25N 74.62E 0 3.9b,3.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=10.9km s-min=7.3km az=168.0.
ISC I 30 10 38 40.1–2.7 39.71N–.08 74.74E–.05 1–18 54 2-5
KRNET I 30 10 38 36.8–.10 39.60N 74.83E 3.2b ¶610159943
SOME I 30 10 38 37.1 39.77N 74.13E 10 3.2b
NNC I 30 10 38 38.3–2.3 39.64N 74.69E 0 3.5b,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=17.2km s-min=9.2km az=157.0.
ISC I 30 10 40 10.1–2.8 39.68N–.08 74.66E–.05 9–19 43 2-4
KRNET I 30 10 40 05.6–.10 39.52N 74.83E 3.2b ¶612033796
SOME I 30 10 40 06.3 39.68N 74.52E 10 3.2b
NNC I 30 10 40 06.1–3.5 39.68N 74.59E 0 3.6b,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=28.4km s-min=17.3km az=148.0.

ISC I 31 11 44 25.9–4.1 41.7N–.20 83.3E–.20 10 16 3-10
SOME I 31 11 44 12.6 41.18N 83.80E 0 ¶612033847
NNC I 31 11 44 17.2–2.0 41.29N 83.70E 0 3.7b,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=15.9km s-min=10.7km az=163.0.
ISC II 02 03 00 21.3–1.8 35.9N–.20 81.4E–.20 10 3.5b,3.3s 10 11-81
IDC II 02 03 00 17.2–1.5 35.65N 81.76E 0 3.6,3.6b ¶610414644
ISC Event type ke.
IDC Error ellipse: s-maj=38.5km s-min=25.1km az=65.0.
ISC II 03 00 51 04.3–3.7 36.5N–.20 85.9E–.20 10 9 10-19
IDC II 03 00 50 54.1–9.9 35.66N 80.63E 0 3.5,3.2b ¶610414707
NNC II 03 00 51 03.6–7.5 36.61N 85.88E 0 3.9b,3.2b
ISC Event type ke.
IDC Error ellipse: s-maj=139.4km s-min=55.2km az=55.0.
NNC Event type se. Error ellipse: s-maj=62.6km s-min=57.4km az=118.0.
ISC II 04 13 44 34.6–.34 35.74N–.04 81.62E–.04 15 4.5b,3.8s 274 6-147
IDC II 04 13 44 31.5–.61 35.54N 81.48E 0 4.2,4.2b ¶611831723
BJI II 04 13 44 31.2–.00 35.61N 81.64E 6 4.8L,4.7b
NEIC II 04 13 44 32.6–2.2 35.70N–.10 81.8E–.10 10–1 4.6b,4.7b
NNC II 04 13 44 32.5–1.6 35.82N 81.78E 0 4.8b,4.7
MOS II 04 13 44 33.9–1.2 35.82N 81.57E 17 4.7b,4.7
ISC Event type se.
IDC Error ellipse: s-maj=17.0km s-min=11.4km az=37.0.
NEIC Event type se. Error ellipse: s-maj=16.5km s-min=15.0km az=208.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=16.3km s-min=13.3km az=81.0.
MOS Error ellipse: s-maj=7.4km s-min=3.4km az=113.1.
ISC II 06 02 49 41.3–1.6 35.7N–.10 81.4E–.20 10 3.6b,3.0s 11 9-74
IDC II 06 02 49 39.1–1.9 35.58N 81.45E 0 3.5,3.5b ¶610414923
ISC Event type ke.
IDC Error ellipse: s-maj=30.9km s-min=23.9km az=120.0.
ISC II 06 02 59 01.0–.98 35.7N–.10 81.6E–.10 10 3.7b,3.0s 20 9-77
IDC II 06 02 58 59.2–.98 35.66N 81.51E 0 3.7,3.7b ¶610414925
ISC Event type ke.
IDC Error ellipse: s-maj=22.1km s-min=16.4km az=53.0.
SOME II 06 12 50 56.5 41.30N 83.13E 5
NNC II 06 12 50 58.4–1.2 41.41N 83.24E 0 3.7b,3.4 ¶612084758
NNC Event type se. Error ellipse: s-maj=12.1km s-min=6.6km az=33.0.
ISC II 07 09 56 01.3–.57 39.34N–.05 74.43E–.04 10 4.3b,3.3s 108 3-78
IDC II 07 09 56 01.9–1.2 39.24N 74.51E 0 3.9,3.9b ¶610243781
SOME II 07 09 56 02.1 39.02N 74.83E 15 3.9,3.9b
NEIC II 07 09 56 03.7–2.5 39.43N–.06 74.35E–.08 35–2 4.5b,4.1
NEIC II 07 09 56 03.7 39.42N 74.36E 35 4.5b,4.1
NNC II 07 09 56 05.0–.97 39.14N 74.71E 0 4.2b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=23.1km s-min=15.3km az=140.0.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=9.4km az=133.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-0.47 $M_{\theta\theta}$-0.02 $M_{\phi\phi}$0.50 $M_{r\theta}$-0.53 $M_{\theta\phi}$1.56 $M_{\phi r}$0.33 NP1:ϕ_s178.59000°,δ69.25000°,λ-161.54000°. NP2:ϕ_s81.85000°,δ72.78000°,λ-21.77000°. Principal axes: T 1.8261,Plg2.0000°,Azm131.0000°; N -0.1550,Plg63.0000°,Azm225.0000°; P -1.6711,Plg27.0000°,Azm40.0000° $M_0$1.75000×10^{15}
NEIC Event type se.
NNC Event type se. Error ellipse: s-maj=7.2km s-min=4.6km az=171.0.
ISC II 08 12 58 11.0–2.0 39.23N–.07 74.74E–.04 2–11 4.0b 76 2-78
IDC II 08 12 58 06.6–2.5 38.65N 74.86E 0 3.9,3.8b ¶610415120
SOME II 08 12 58 12.2 39.20N 74.58E 10 3.9,3.8b
KRNET II 08 12 58 13.1–.10 39.08N 74.44E 3.8b,3.8b
NNC II 08 12 58 15.9–1.4 39.29N 74.66E 0 4.1b,3.7
ISC Event type se.
IDC Error ellipse: s-maj=58.5km s-min=26.7km az=106.0.
NNC Event type se. Error ellipse: s-maj=10.5km s-min=7.1km az=168.0.
ISC II 08 22 38 20.6–10 41.2N–.50 83.6E–.40 10 15 4-10
NNC II 08 22 38 21.0–2.7 41.16N 83.76E 0 3.6b,3.4 ¶612084891
SOME II 08 22 38 24.3 41.38N 83.52E 10 3.6b,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=19.3km s-min=14.6km az=160.0.
ISC II 10 15 52 18.4–2.1 39.6N–.10 77.05E–.05 10 79 2-6
NNC II 10 15 52 12.9–1.0 39.50N 76.88E 0 3.7b,3.3 ¶612085024
SOME II 10 15 52 15.2 39.65N 77.03E 0 3.7b,3.3
KRNET II 10 15 52 17.3–.10 39.54N 76.97E 3.3b,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=6.0km s-min=4.8km az=149.0.
ISC II 10 22 54 23.5–2.4 39.4N–.10 75.63E–.05 10 57 3-6
SOME II 10 22 54 14.3 38.97N 75.68E 5 ¶610246618
NNC II 10 22 54 16.7–1.2 39.05N 75.65E 0 3.7b,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=9.7km s-min=6.2km az=172.0.
ISC II 11 11 50 25.9–4.2 41.8N–.20 80.4E–.10 35 13 1-5
SOME II 11 11 50 19.7 42.02N 80.67E 20 ¶612085083
NNC II 11 11 50 21.7–1.6 41.90N 80.33E 0 3.0b,2.7
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=12.3km s-min=8.1km az=34.0.
NNC II 11 21 45 26.7–3.4 41.98N 80.89E 0 2.6b,2.3
¶612085097
NNC Event type se. Error ellipse: s-maj=23.8km s-min=17.3km az=179.0.
ISC II 12 03 46 54.5–3.1 39.4N–.20 74.60E–.05 10 45 3-6
SOME II 12 03 46 53.0 39.15N 74.68E 10 ¶612085119
NNC II 12 03 46 57.4–.91 39.27N 74.66E 0 3.9b,3.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=7.0km s-min=5.0km az=155.0.
ISC II 13 03 23 12.6–3.2 39.1N–.20 75.22E–.06 10 43 3-6
SOME II 13 03 23 09.5 39.10N 75.48E 0 ¶612085181
NNC II 13 03 23 12.9–1.2 39.15N 75.31E 0 3.8b,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=9.2km s-min=6.0km az=161.0.
ISC II 13 05 53 06.7–4.6 41.5N–.20 83.7E–.20 10 24 4-10
SOME II 13 05 52 58.9 41.13N 83.88E 10 ¶612085186
NNC II 13 05 53 04.9–3.3 41.34N 83.68E 0 3.6b,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=22.6km s-min=16.1km az=146.0.
ISC II 15 01 45 03.0–1.4 38.6N–.10 75.18E–.06 20 3.8b 52 4-69
IDC II 15 01 45 00.3–3.7 38.64N 75.08E 0 3.9b,3.8 ¶610246643
SOME II 15 01 45 01.7 38.93N 75.20E 0 3.9b,3.8
NNC II 15 01 45 06.6–1.7 39.05N 75.15E 0 4.3b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=83.8km s-min=25.5km az=140.0.
NNC Event type se. Error ellipse: s-maj=13.1km s-min=9.1km az=163.0.
ISC II 16 08 56 33.2–1.4 39.16N–.07 74.66E–.04 10 41 2-5
KRNET II 16 08 56 31.2–.10 39.08N 74.69E 3.1b ¶612085424
NNC II 16 08 56 35.9–1.7 39.29N 74.54E 0 3.5b,3.1
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=12.9km s-min=8.5km az=160.0.
ISC II 16 09 25 14.6–1.7 39.82N–.05 75.60E–.03 2–11 93 2-78
IDC II 16 09 25 12.0–3.1 39.58N 76.11E 0 3.4b,3.3 ¶610246647
SOME II 16 09 25 15.9 39.87N 75.58E 10 3.4b,3.3
KRNET II 16 09 25 16.6–.10 39.77N 75.76E 3.7b,3.3
NNC II 16 09 25 17.3–1.1 39.83N 75.85E 0 4.0b,3.7
ISC Event type se.
IDC Error ellipse: s-maj=38.4km s-min=30.6km az=43.0.
NNC Event type se. Error ellipse: s-maj=8.2km s-min=5.6km az=158.0.
ISC II 16 19 45 42.4–2.4 39.4N–.10 74.36E–.05 10 43 3-6
NNC II 16 19 45 42.0–2.0 39.37N 74.30E 0 3.8b,3.6 ¶610246644
SOME II 16 19 45 44.1 39.55N 74.10E 5 3.8b,3.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=15.5km s-min=9.3km az=174.0.
ISC II 16 22 12 03.4–2.0 41.3N–.10 83.58E–.07 10 34 3-7
SOME II 16 22 11 58.5 41.37N 83.75E 5 ¶612085456
NNC II 16 22 12 05.3–1.8 41.42N 83.44E 0 3.7b,3.4

ISC Event type se.
NNC Event type se. Error ellipse: s-maj=18.4km s-min=11.9km az=12.0.
ISC II 17 15 39 17.9–.95 36.0N–.10 90.1E–.10 10 3.4b,3.3s 11 12-80
IDC II 17 15 39 16.4–1.2 35.97N 90.06E 0 3.5,3.4b ¶610415704
ISC Event type ke.
IDC Error ellipse: s-maj=37.0km s-min=20.2km az=56.0.
ISC II 21 20 16 06.1–2.1 41.3N–.10 81.93E–.09 10 52 2-47
SOME II 21 20 16 08.9 41.38N 81.55E 5 ¶610384771
NNC II 21 20 16 10.1–1.7 41.43N 81.76E 0 3.9b,3.6
IDC II 21 20 16 13.4–2.6 42.12N 82.62E 0 3.5b,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=12.5km s-min=9.8km az=173.0.
IDC Error ellipse: s-maj=41.1km s-min=27.9km az=105.0.
NNC II 23 20 14 59.0–2.1 38.56N 76.69E 0 3.6b,3.2
¶612085930
NNC Event type se. Error ellipse: s-maj=16.2km s-min=13.0km az=154.0.
SOME II 23 20 20 45.0 41.90N 80.13E 0
¶616212520
ISC II 24 11 45 59.8–2.9 38.3N–.20 75.14E–.09 10 42 4-41
SOME II 24 11 45 57.3 38.58N 73.75E 15 ¶610384934
NNC II 24 11 46 04.3–2.4 38.56N 75.23E 25–11 3.9b,3.5
IDC II 24 11 46 04.3–8.1 38.39N 75.64E 101–54 3.5,3.5b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=19.3km s-min=16.4km az=97.0.
IDC Error ellipse: s-maj=74.6km s-min=32.0km az=27.0.
ISC II 24 19 09 38.3–1.2 38.30N–.09 75.55E–.08 150 29 4-69
NNC II 24 19 09 40.5–4.2 38.45N 75.47E 147–65 3.4,2.8b ¶610246683
IDC II 24 19 09 42.0–6.4 38.59N 75.51E 170–53 3.6,3.0b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=43.2km s-min=19.7km az=175.0.
IDC Error ellipse: s-maj=62.4km s-min=24.6km az=172.0.
ISC II 25 07 43 43.2–1.6 39.4N–.10 74.66E–.06 10 3.8b 45 3-78
SOME II 25 07 43 37.9 39.12N 74.72E 5 3.8b ¶610246687
IDC II 25 07 43 40.0–2.7 39.13N 74.17E 0 3.9b,3.8
NNC II 25 07 43 42.0–3.0 39.24N 74.63E 0 3.8b,3.5
ISC Event type se.
IDC Error ellipse: s-maj=47.7km s-min=30.9km az=122.0.
NNC Event type se. Error ellipse: s-maj=23.7km s-min=14.0km az=157.0.
ISC II 27 18 35 52.6–4.4 38.8N–.30 76.65E–.08 10 27 4-6
SOME II 27 18 35 37.8 38.22N 76.72E 5 ¶612086194
NNC II 27 18 35 45.3–2.1 38.42N 76.75E 0 3.7b,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=15.3km s-min=13.9km az=159.0.
ISC II 27 23 54 10.3–4.3 41.7N–.20 83.3E–.20 10 30 3-7
NNC II 27 23 54 05.5–3.6 41.59N 83.78E 0 3.8b,3.5 ¶612086202
SOME II 27 23 54 06.8 41.45N 83.43E 5 3.8b,3.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=28.3km s-min=23.1km az=171.0.
ISC II 28 00 17 29.7–3.5 41.8N–.20 83.2E–.10 10 28 3-6
SOME II 28 00 17 18.7 41.42N 83.52E 5 ¶612086233
NNC II 28 00 17 23.2–1.8 41.41N 83.29E 0 3.6b,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=13.8km s-min=9.3km az=174.0.
ISC II 28 17 03 12.9–.21 39.82N–.01 81.36E–.02 10 4.4b,3.5s 295 3-80
IDC II 28 17 03 10.9–.62 39.86N 81.36E 0 4.1,4.1b ¶610241888
BJI II 28 17 03 11.4–.00 39.85N 81.37E 15 4.6L,4.4b
MOS II 28 17 03 12.2–.97 39.82N 81.34E 23 4.7b,4.4b
NEIC II 28 17 03 13.9–1.6 39.92N–.06 81.31E–.09 16–4 4.6b,4.4b
SOME II 28 17 03 14.7 40.00N 81.18E 0 3.9s,4.4b
NNC II 28 17 03 17.3–.93 40.05N 81.23E 25–4 4.8b,4.6
ISC Event type se.
IDC Error ellipse: s-maj=13.1km s-min=11.1km az=43.0.
MOS Error ellipse: s-maj=7.2km s-min=3.6km az=116.6.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=8.7km az=122.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=6.4km s-min=4.8km az=124.0.
ISC III 02 00 36 44.1–3.0 39.61N–.08 75.46E–.04 7–20 91 2-69
SOME III 02 00 36 39.4 39.72N 75.32E 0 ¶610476266
KRNET III 02 00 36 45.6–.10 39.81N 75.51E 3.4b
IDC III 02 00 36 45.5–2.0 39.78N 74.68E 0 3.9b,3.6
NNC III 02 00 36 46.1–1.8 39.80N 75.64E 0 3.8b,3.5
ISC Event type se.
IDC Error ellipse: s-maj=38.5km s-min=19.6km az=113.0.
NNC Event type se. Error ellipse: s-maj=15.5km s-min=9.4km az=137.0.
NNC III 02 10 45 16.5–2.0 40.01N 81.11E 0 3.8b,3.4
SOME III 02 10 45 12.9 39.95N 81.13E 0 3.8b,3.4 ¶612086434
NNC Event type se. Error ellipse: s-maj=15.9km s-min=11.3km az=48.0.
ISC III 02 11 11 22.6–.80 39.11N–.05 74.38E–.04 10 4.1b 98 2-98
KRNET III 02 11 11 20.6–.10 39.17N 74.36E 3.9b ¶610243909
IDC III 02 11 11 20.3–1.1 39.02N 74.25E 0 4.0b,3.8
SOME III 02 11 11 24.6 39.47N 74.03E 5 4.0b,3.8
NNC III 02 11 11 25.9–1.6 39.52N 73.95E 0 4.2b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=27.9km s-min=22.2km az=98.0.
NNC Event type se. Error ellipse: s-maj=10.5km s-min=7.0km az=165.0.
ISC III 03 05 11 33.4–1.8 39.71N–.06 75.17E–.03 1–12 70 2-5
KRNET III 03 05 11 30.6–.10 39.33N 75.54E 3.3b ¶610472600
NNC III 03 05 11 33.5–1.7 39.69N 75.17E 0 3.7b,3.3
SOME III 03 05 11 36.4 39.78N 75.15E 5 3.7b,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=12.5km s-min=7.6km az=170.0.
ISC III 04 07 14 57.9–1.2 39.75N–.06 75.04E–.03 10 94 2-6
SOME III 04 07 14 51.8 39.52N 74.97E 15 ¶610472613
KRNET III 04 07 14 54.5–.10 39.32N 75.43E 3.4b
NNC III 04 07 14 56.0–1.4 39.59N 75.15E 0 4.0b,3.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=11.0km s-min=7.4km az=159.0.
ISC III 04 10 01 02.5–1.3 38.89N–.09 79.34E–.07 10 3.6b 56 4-78
SOME III 04 10 00 52.5 38.68N 79.42E 15 3.6b ¶610545515
IDC III 04 10 01 00.2–2.0 38.76N 79.10E 0 3.6,3.6b
NNC III 04 10 01 04.4–2.2 38.97N 79.07E 0 3.9b,3.6
ISC Event type se.
IDC Error ellipse: s-maj=37.9km s-min=24.4km az=147.0.
NNC Event type se. Error ellipse: s-maj=15.5km s-min=14.0km az=165.0.
ISC III 07 16 22 25.5–.40 36.64N–.05 84.89E–.05 10 4.5b 249 7-81
IDC III 07 16 22 23.0–.73 36.64N 85.03E 0 4.3,4.2b ¶610271581
MOS III 07 16 22 24.0–1.0 36.73N 84.92E 11 4.6b,4.2b
NEIC III 07 16 22 25.7–.87 36.66N–.08 84.9E–.10 13–3 4.7b,4.2b
BJI III 07 16 22 26.0–.00 36.67N 84.93E 20 4.8L,4.4b
NNC III 07 16 22 27.1–1.4 36.87N 84.89E 0 5.2,5.1b
ISC Event type se.
IDC Error ellipse: s-maj=21.0km s-min=13.8km az=52.0.
MOS Error ellipse: s-maj=7.9km s-min=3.6km az=118.1.
NEIC Event type se. Error ellipse: s-maj=15.2km s-min=9.4km az=52.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=13.7km s-min=10.0km az=91.0.
ISC III 07 21 16 20.1–2.0 39.89N–.08 77.29E–.05 1–15 90 2-6
KRNET III 07 21 16 18.0–.10 39.90N 77.23E 2.9b ¶610472661
SOME III 07 21 16 20.4 40.00N 77.10E 15 2.9b
NNC III 07 21 16 22.1–1.1 40.09N 77.23E 0 3.8b,3.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=7.4km s-min=5.5km az=152.0.
ISC III 13 16 49 20.4–1.7 39.12N–.07 74.34E–.05 10 48 2-14
KRNET III 13 16 49 24.6–.10 39.14N 74.14E 3.2b ¶612087150
NNC III 13 16 49 28.2–1.8 39.38N 74.23E 0 3.6b,3.3
SOME III 13 16 49 31.4 39.67N 74.27E 5 3.6b,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=13.4km s-min=10.8km az=150.0.
ISC III 14 05 42 41.7–2.6 39.86N–.07 75.42E–.04 2–17 66 2-5

SOME III 14 05 42 38.2 39.85N 75.12E 10 ¶612087173
NNC III 14 05 42 38.8–2.6 39.72N 75.86E 0 3.6b,3.3
KRNET III 14 05 42 39.9–.10 39.87N 75.41E 3.0b,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=19.5km s-min=12.0km az=153.0.
NNC III 17 01 49 01.5–9.1 39.70N 80.69E 0 3.2b,2.9
SOME III 17 01 49 05.9 41.22N 82.65E 10 3.2b,2.9 ¶612087378
NNC Event type se. Error ellipse: s-maj=80.4km s-min=62.7km az=54.0.
ISC III 19 07 57 06.8–1.2 39.94N–.05 75.53E–.03 10 100 2-5
KRNET III 19 07 57 04.9–.10 39.92N 75.58E 3.5b ¶610472881
SOME III 19 07 57 04.6 40.02N 75.43E 10 3.5b
NNC III 19 07 57 07.8–1.2 40.10N 75.55E 0 4.0b,3.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=9.1km s-min=5.3km az=166.0.
ISC III 19 11 20 56.3–1.9 40.66N–.08 79.20E–.04 4–10 82 1-77
SOME III 19 11 20 55.8 40.67N 79.00E 15 ¶610546508
KRNET III 19 11 20 56.3–.10 40.57N 78.98E 3.2b
IDC III 19 11 20 56.5–2.2 40.74N 79.23E 0 3.4b,3.1
NNC III 19 11 21 02.5–2.9 41.03N 79.10E 0 3.8b,3.5
ISC Event type se.
IDC Error ellipse: s-maj=26.8km s-min=17.8km az=171.0.
NNC Event type se. Error ellipse: s-maj=20.7km s-min=16.0km az=161.0.
ISC III 19 12 47 27.9–2.2 40.75N–.10 79.70E–.06 10 70 2-10
SOME III 19 12 47 26.9 40.77N 79.65E 5 ¶612087557
NNC III 19 12 47 28.9–.90 40.82N 79.69E 0 3.8b,3.4
KRNET III 19 12 47 28.3–.10 40.60N 79.49E 2.9b,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=6.4km s-min=5.0km az=159.0.
ISC III 19 13 45 12.2–.33 37.11N–.03 78.03E–.04 10 4.2b,3.4s 191 3-86
IDC III 19 13 45 09.6–.58 37.00N 77.84E 0 4.0,3.9b ¶610346057
MOS III 19 13 45 14.6–1.5 37.14N 77.87E 47 4.4b,3.9b
NNC III 19 13 45 15.4–1.0 37.34N 78.10E 0 4.8b,4.5
NEIC III 19 13 45 16.8–2.0 37.20N–.07 77.89E–.10 45–6 4.4b,4.5
ISC Event type se.
NNC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 20 00 43 03.0–3.1 39.82N–.07 75.26E–.04 1–23 76 2-5
SOME III 20 00 43 01.9 39.87N 75.30E 10 ¶612087593
KRNET III 20 00 43 01.7–.10 39.83N 75.18E 3.0b
NNC III 20 00 43 04.2–.60 39.97N 75.32E 0 3.9b,3.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=4.4km s-min=3.0km az=158.0.
ISC III 20 22 41 37.7–1.8 39.38N–.10 75.73E–.05 10 62 2-5
SOME III 20 22 41 32.5 39.27N 75.68E 10 ¶612087650
KRNET III 20 22 41 33.9–.10 39.37N 75.79E 3.2b
NNC III 20 22 41 33.9–1.3 39.34N 75.63E 2–9 3.5b,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=9.4km s-min=6.8km az=154.0.
ISC III 22 10 36 02.6–2.2 39.29N–.08 74.69E–.03 11–12 3.8b 50 2-84
IDC III 22 10 35 59.1–1.1 38.88N 74.62E 0 3.8b,3.6 ¶610543464
KRNET III 22 10 36 01.2–.10 39.00N 74.63E 3.7b,3.6
NNC III 22 10 36 01.4–3.2 38.44N 73.71E 0 3.9b,3.5
ISC Event type se.
IDC Error ellipse: s-maj=25.1km s-min=19.1km az=60.0.
NNC Event type se. Error ellipse: s-maj=26.1km s-min=13.8km az=179.0.
ISC III 24 16 18 05.4–3.3 39.7N–.20 77.38E–.07 17 46 2-5
KRNET III 24 16 18 03.4–.10 39.59N 77.26E 2.5b ¶612087909
SOME III 24 16 18 05.0 39.88N 77.38E 10 2.5b
NNC III 24 16 18 06.3–.77 39.93N 77.40E 0 3.5b,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=5.1km s-min=4.6km az=168.0.
ISC III 25 05 08 37.7–2.4 40.8N–.10 79.64E–.07 10 50 2-6
KRNET III 25 05 08 37.5–.10 40.63N 79.35E 2.4b ¶612087951
SOME III 25 05 08 38.3 40.83N 79.65E 15 2.4b
NNC III 25 05 08 42.0–1.3 40.96N 79.54E 0 3.5b,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=8.5km s-min=7.2km az=167.0.
ISC III 25 12 35 27.7–.89 39.26N–.05 74.15E–.04 10 3.7b 59 2-81
IDC III 25 12 35 25.8–1.5 38.95N 74.10E 0 3.7s,3.6b ¶610472954
KRNET III 25 12 35 27.4–.10 39.05N 73.89E 3.6b,3.6b
SOME III 25 12 35 29.6 39.25N 74.20E 15 3.6b,3.6b
NNC III 25 12 35 34.5–2.1 39.46N 74.27E 0 3.8b,3.4
ISC Event type se.
IDC Error ellipse: s-maj=33.9km s-min=27.1km az=149.0.
NNC Event type se. Error ellipse: s-maj=15.5km s-min=8.1km az=171.0.
ISC IV 02 21 15 34.5–2.5 37.1N–.20 77.2E–.10 150 10 6-43
NNC IV 02 21 15 21.7–11 36.19N 76.10E 0 3.4b,3.1 ¶610651775
IDC IV 02 21 15 31.6–7.7 36.93N 77.41E 123–51 3.8,3.5b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=107.7km s-min=79.0km az=122.0.
IDC Error ellipse: s-maj=62.9km s-min=44.6km az=3.0.
ISC IV 03 19 28 15.4–1.6 39.62N–.06 74.32E–.03 4–11 78 1-5
SOME IV 03 19 28 17.3 39.55N 74.20E 10 ¶610639826
KRNET IV 03 19 28 19.6–.10 39.51N 74.17E 3.4b
NNC IV 03 19 28 20.7–1.3 39.68N 74.22E 0 3.7b,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=9.5km s-min=4.9km az=172.0.
ISC IV 06 14 15 17.1–3.2 41.7N–.20 83.1E–.10 10 38 3-6
SOME IV 06 14 15 18.8 42.00N 83.18E 5 ¶612037173
NNC IV 06 14 15 18.7–2.7 41.77N 83.11E 0 4.2b,3.8
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=20.3km s-min=13.6km az=157.0.
ISC IV 08 22 10 28.3–7.4 41.9N–.40 81.9E–.30 14 12 2-5
SOME IV 08 22 10 26.4 42.02N 82.00E 5 ¶612037315
NNC IV 08 22 10 28.8–1.9 41.97N 81.86E 0 3.0b,2.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=14.9km s-min=7.9km az=159.0.
ISC IV 12 02 01 59.0–3.2 39.2N–.20 77.02E–.06 10 68 2-6
SOME IV 12 02 01 58.7 39.52N 77.00E 5 ¶612037458
KRNET IV 12 02 02 00.1–.10 39.16N 77.01E 3.0b
NNC IV 12 02 02 01.1–1.1 39.56N 77.09E 0 3.7b,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=7.7km s-min=5.9km az=161.0.
ISC IV 14 10 21 51.2–4.8 39.9N–.20 80.6E–.20 10 28 3-5
SOME IV 14 10 22 08.4 40.93N 79.92E 5 ¶612037580
NNC IV 14 10 22 09.4–1.6 40.93N 79.86E 0 3.4b,3.0
KRNET IV 14 10 22 09.1–.10 40.17N 79.56E 2.3b,3.0
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=10.3km s-min=9.3km az=138.0.
ISC IV 15 10 52 45.9–2.0 39.79N–.06 74.27E–.03 8–15 57 1-5
SOME IV 15 10 52 43.0 39.73N 74.17E 10 ¶610639038
NNC IV 15 10 52 45.1–2.8 39.82N 74.37E 0 3.5b,3.1
KRNET IV 15 10 52 45.1–.10 39.87N 74.35E 3.0b,3.1
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=19.5km s-min=9.8km az=175.0.
ISC IV 17 02 10 03.4–3.6 41.3N–.20 83.9E–.10 10 29 3-7
NNC IV 17 02 09 58.7–3.6 41.23N 83.77E 0 4.0b,3.7 ¶612037694
SOME IV 17 02 10 09.1 41.58N 83.63E 15 4.0b,3.7
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=25.0km s-min=17.6km az=149.0.
ISC IV 19 04 49 13.5–1.6 39.35N–.05 75.59E–.03 10–11 89 2-78
IDC IV 19 04 49 09.4–1.9 39.02N 75.59E 0 3.5b,3.3 ¶610532788
KRNET IV 19 04 49 13.8–.10 39.16N 75.80E 3.3b,3.3
SOME IV 19 04 49 15.0 39.33N 75.53E 5 3.3b,3.3
NNC IV 19 04 49 17.4–1.2 39.38N 75.65E 10–8 3.8b,3.4
ISC Event type se.
IDC Error ellipse: s-maj=38.0km s-min=22.8km az=107.0.
NNC Event type se. Error ellipse: s-maj=8.1km s-min=6.8km az=175.0.
ISC IV 19 23 26 54.5–.71 38.19N–.04 77.95E–.05 10 3.6b 70 2-79
IDC IV 19 23 26 51.9–1.2 37.97N 77.85E 0 3.8,3.7b ¶610653082
SOME IV 19 23 26 56.9 38.22N 77.70E 10 3.8,3.7b
NNC IV 19 23 26 57.9–1.1 38.29N 77.90E 0 4.3b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=23.8km s-min=21.4km az=51.0.
NNC Event type se. Error ellipse: s-maj=9.5km s-min=7.9km az=114.0.
NNC IV 20 01 48 51.2–2.1 38.23N 77.89E 0 3.8b,3.5
¶612037831
NNC Event type se. Error ellipse: s-maj=16.1km s-min=13.8km az=98.0.
ISC IV 20 03 39 14.8–.32 37.97N–.04 77.81E–.03 10 4.5b,3.7s 315 2-152
IDC IV 20 03 39 13.4–.55 38.02N 77.87E 0 4.2,4.2b ¶610544107
MOS IV 20 03 39 13.2–1.2 37.98N 77.88E 10 4.6b,4.2b
NEIC IV 20 03 39 14.9–1.5 37.98N–.07 77.91E–.09 10–1 4.6b,4.2b
SOME IV 20 03 39 14.4 38.22N 77.72E 0 4.1s,4.2b
BJI IV 20 03 39 15.1–.00 38.07N 77.90E 10 4.8L,4.6b
NNC IV 20 03 39 16.4–1.1 38.19N 77.87E 0 5.1b,4.8
ISC Event type se.
IDC Error ellipse: s-maj=11.9km s-min=10.6km az=26.0.
MOS Error ellipse: s-maj=6.3km s-min=3.5km az=99.4.
NEIC Event type se. Error ellipse: s-maj=12.9km s-min=10.3km az=138.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=9.4km s-min=7.4km az=123.0.
ISC IV 20 07 42 36.7–2.8 39.3N–.10 77.28E–.06 10 55 2-6
SOME IV 20 07 42 33.5 39.52N 77.33E 5 ¶612037850
KRNET IV 20 07 42 35.5–.10 39.22N 77.25E 3.0b
NNC IV 20 07 42 35.5–.99 39.53N 77.26E 0 3.6b,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=6.8km s-min=4.7km az=163.0.
ISC IV 22 06 09 18.7–.60 37.14N–.05 79.15E–.06 17 3.7b,3.2s 54 3-80
IDC IV 22 06 09 15.2–1.1 37.10N 78.92E 0 3.8,3.7b ¶610653242
NNC IV 22 06 09 19.9–1.4 37.40N 79.26E 0 4.4b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=25.3km s-min=15.8km az=53.0.
NNC Event type se. Error ellipse: s-maj=12.6km s-min=9.0km az=126.0.
ISC IV 22 16 35 50.3–2.9 42.0N–.10 80.55E–.09 10–13 41 1-5
NNC IV 22 16 35 47.7–1.2 41.84N 80.65E 0 3.6b,3.3 ¶612037957
SOME IV 22 16 35 48.0 41.88N 80.58E 5 3.6b,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=7.7km s-min=6.4km az=158.0.
ISC IV 23 23 36 03.7–1.2 36.52N–.09 80.8E–.10 10 3.7s,3.6b 40 7-97
IDC IV 23 23 36 02.7–2.1 36.44N 80.40E 0 3.7,3.7b ¶610649842
NNC IV 23 23 36 12.4–3.8 37.05N 80.18E 10–15 4.3b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=42.4km s-min=24.3km az=116.0.
NNC Event type se. Error ellipse: s-maj=33.1km s-min=24.1km az=93.0.
ISC IV 24 09 38 41.6–2.1 39.9N–.10 76.22E–.05 10 56 2-5
SOME IV 24 09 38 37.6 39.82N 76.27E 5 ¶612038034
KRNET IV 24 09 38 37.5–.10 39.79N 76.09E 3.1b
NNC IV 24 09 38 40.4–.99 39.91N 76.14E 0 3.6b,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=7.4km s-min=5.3km az=155.0.
ISC IV 24 23 37 57.7–7.0 39.8N–.40 77.1E–.10 10 15 3-4
SOME IV 24 23 37 51.7 39.47N 77.28E 5 ¶612038066
NNC IV 24 23 37 52.6–2.6 39.50N 77.05E 0 3.5b,3.1
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=18.1km s-min=14.9km az=139.0.
SOME IV 25 13 40 32.8 40.82N 79.67E 5
KRNET IV 25 13 40 33.6–.10 42.95N 80.38E 2.2b ¶612670630
NNC IV 27 17 51 33.4–4.0 41.17N 83.43E 0 3.8b,3.3
¶612038201
NNC Event type se. Error ellipse: s-maj=31.3km s-min=19.3km az=158.0.
NNC IV 27 23 06 10.2–2.1 41.32N 83.35E 0 3.6b,3.2
¶612038207
NNC Event type se. Error ellipse: s-maj=20.8km s-min=12.7km az=7.0.
NNC IV 28 20 41 07.4–4.0 41.94N 87.85E 0 3.9b,3.5
¶612038266
NNC Event type se. Error ellipse: s-maj=27.4km s-min=20.3km az=145.0.
ISC V 02 09 37 26.8–2.3 40.61N–.09 78.30E–.05 2–11 62 1-4
SOME V 02 09 37 20.8 40.40N 78.42E 15 ¶612038382
KRNET V 02 09 37 21.7–.10 40.36N 78.30E 3.0b
NNC V 02 09 37 26.1–1.9 40.57N 78.46E 0 3.6b,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=14.1km s-min=9.1km az=160.0.
NNC V 02 14 13 08.5–2.0 36.44N 81.43E 0 4.0b,3.7
¶612038394
NNC Event type se. Error ellipse: s-maj=34.9km s-min=12.8km az=63.0.
ISC V 03 14 10 36.7–2.4 40.3N–.10 78.39E–.06 10 46 1-6
KRNET V 03 14 10 34.7–.10 40.23N 78.34E 2.9b ¶612038437
SOME V 03 14 10 36.9 40.35N 78.27E 10 2.9b
NNC V 03 14 10 38.7–1.2 40.43N 78.26E 1–7 3.6b,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=8.1km s-min=5.9km az=170.0.
ISC V 05 02 10 11.8–4.0 41.8N–.20 82.3E–.20 10 21 2-6
SOME V 05 02 10 10.0 41.93N 82.38E 5 ¶612038515
NNC V 05 02 10 14.5–2.1 41.93N 82.10E 0 3.8b,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=15.5km s-min=9.4km az=161.0.
ISC V 06 10 47 34.8–3.8 40.7N–.20 79.9E–.10 10 25 2-4
SOME V 06 10 47 33.9 40.95N 79.85E 0 ¶612038639
NNC V 06 10 47 35.0–1.2 40.90N 79.82E 0 3.7b,3.3
KRNET V 06 10 47 35.4–.10 40.68N 79.97E 2.6b,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=8.4km s-min=7.4km az=95.0.
ISC V 10 23 38 23.7–1.3 39.4N–.10 74.39E–.05 10 3.9b 45 3-68
SOME V 10 23 38 19.9 39.20N 74.62E 5 3.9b ¶610667652
IDC V 10 23 38 21.3–5.5 38.67N 74.97E 52–41 3.6,3.6b
NNC V 10 23 38 24.3–2.6 39.42N 74.46E 0 4.3b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=80.3km s-min=34.5km az=139.0.
NNC Event type se. Error ellipse: s-maj=20.0km s-min=11.7km az=170.0.
ISC V 11 22 19 20.0–4.3 38.6N–.30 75.1E–.10 10 27 4-6
SOME V 11 22 19 11.7 38.72N 74.08E 0 ¶612038890
NNC V 11 22 19 21.9–5.0 38.90N 75.30E 0 3.9b,3.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=42.9km s-min=26.7km az=163.0.
ISC V 12 05 37 34.7–4.2 42.0N–.20 82.3E–.20 13 21 2-9
NNC V 12 05 37 33.4–1.9 42.02N 82.42E 0 3.6b,3.3 ¶612038898
SOME V 12 05 37 34.8 42.03N 82.38E 15 3.6b,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=14.1km s-min=8.1km az=157.0.
NNC V 12 08 07 26.3–1.4 38.43N 76.73E 0 3.6b,3.3
¶612038911
NNC Event type se. Error ellipse: s-maj=9.6km s-min=7.2km az=162.0.
SOME V 12 17 18 04.5 40.73N 84.18E 0
NNC V 12 17 18 06.8–5.3 39.95N 81.50E 0 3.4b,3.4 ¶612670664
NNC Event type se. Error ellipse: s-maj=50.7km s-min=34.3km az=48.0.
ISC V 13 08 52 53.3–1.2 39.34N–.06 74.19E–.04 10 64 2-6
SOME V 13 08 52 53.1 39.67N 73.45E 5 ¶610638458
KRNET V 13 08 52 53.6–.10 39.18N 74.06E 3.6b
NNC V 13 08 52 54.2–3.0 39.37N 74.02E 0 3.9b,3.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=22.2km s-min=11.7km az=176.0.
ISC V 14 05 28 14.6–.39 35.22N–.05 81.49E–.05 10 4.3b,3.7s 123 5-147
IDC V 14 05 28 12.8–.58 35.14N 81.49E 0 4.0,4.0b ¶611833887
BJI V 14 05 28 12.5–.00 35.19N 81.33E 10 4.5b,4.2b
NEIC V 14 05 28 14.6–1.8 35.18N–.06 81.45E–.09 10–1 4.3b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 15 13 51 55.1–12 41.6N–.80 83.1E–.40 10 7 3-5
SOME V 15 13 51 53.5 42.77N 83.63E 15 ¶612039056

NNC V 15 13 52 01.0–1.7 42.86N 83.24E 0 3.0b,2.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=13.8km s-min=5.3km az=136.0.
ISC V 16 05 05 41.8–1.3 38.0N–.10 75.42E–.10 100 3.6b 26 4-79
IDC V 16 05 05 43.5–4.9 38.16N 75.45E 116–37 3.8,3.5b ¶610690385
SOME V 16 05 05 45.1 38.38N 75.55E 0 3.8,3.5b
NNC V 16 05 05 47.1–5.1 38.51N 74.98E 0 3.3b,2.9
ISC Event type se.
IDC Error ellipse: s-maj=38.6km s-min=23.1km az=173.0.
NNC Event type se. Error ellipse: s-maj=43.0km s-min=33.5km az=124.0.
ISC V 18 09 31 41.8–2.5 40.5N–.10 78.53E–.06 7–12 49 1-4
SOME V 18 09 31 38.8 40.37N 78.35E 10 ¶612039161
KRNET V 18 09 31 38.2–.10 40.53N 79.08E 2.7b
NNC V 18 09 31 39.0–2.1 40.35N 78.37E 0 3.5b,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=14.2km s-min=10.5km az=163.0.
ISC V 19 07 38 31.3–.73 39.62N–.04 74.01E–.03 10 3.6b 99 1-84
SOME V 19 07 38 29.5 39.52N 74.00E 5 3.6b ¶610643038
IDC V 19 07 38 30.7–1.0 39.42N 73.90E 0 3.6,3.6b
KRNET V 19 07 38 31.6–.10 39.50N 73.80E 3.9b,3.6b
NNC V 19 07 38 34.4–1.2 39.68N 74.06E 0 4.2b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=21.5km s-min=15.0km az=94.0.
NNC Event type se. Error ellipse: s-maj=9.8km s-min=5.6km az=175.0.
ISC V 19 18 18 49.7–1.8 39.10N–.06 74.05E–.03 7–11 3.8b 103 2-93
KRNET V 19 18 18 47.6–.10 39.10N 74.05E 4.1b ¶610645687
SOME V 19 18 18 47.9 39.20N 74.00E 15 4.1b
IDC V 19 18 18 48.3–1.2 39.02N 74.06E 0 3.8,3.8b
NNC V 19 18 18 52.3–1.0 39.32N 74.11E 0 4.5b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=22.1km s-min=16.9km az=122.0.
NNC Event type se. Error ellipse: s-maj=8.3km s-min=5.1km az=166.0.
NNC V 21 09 32 51.4–4.4 40.44N 81.25E 0 4.2b,4.0
¶612039293
NNC Event type se. Error ellipse: s-maj=34.7km s-min=29.0km az=27.0.
ISC V 22 09 46 50.7–1.9 39.97N–.07 74.61E–.03 15–12 71 2-5
KRNET V 22 09 46 50.9–.10 40.24N 74.64E 4 3.2b ¶610769289
SOME V 22 09 46 51.7 40.28N 74.68E 0 3.2b
NNC V 22 09 46 54.4–.77 40.28N 74.77E 0 3.7b,3.4
ISU V 22 09 47 20.5 41.06N 69.46E 7 3.7b,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=5.8km s-min=4.2km az=171.0.
NNC V 25 00 26 35.6–2.9 41.18N 83.62E 0 3.5b,3.1
SOME V 25 00 26 32.8 41.23N 83.67E 0 3.5b,3.1 ¶612039451
NNC Event type se. Error ellipse: s-maj=22.0km s-min=15.8km az=171.0.
NNC V 25 05 25 23.2–3.6 41.75N 83.89E 18–17 3.6b,3.2
SOME V 25 05 25 10.3 41.20N 83.78E 0 3.6b,3.2 ¶612039461
NNC Event type se. Error ellipse: s-maj=29.1km s-min=23.3km az=25.0.
ISC V 27 06 47 22.7–3.8 41.8N–.20 83.1E–.10 10 30 3-6
SOME V 27 06 47 10.7 41.37N 83.83E 20 ¶612039568
NNC V 27 06 47 14.7–2.1 41.47N 83.65E 6–18 3.8b,3.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=15.6km s-min=10.3km az=160.0.
ISC V 27 12 41 38.4–1.5 39.34N–.08 74.90E–.04 10 51 2-5
SOME V 27 12 41 35.2 39.67N 75.25E 10 ¶610655144
KRNET V 27 12 41 36.2–.10 39.26N 74.98E 3.6b
NNC V 27 12 41 43.4–1.8 39.85N 74.89E 0 3.6b,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=16.1km s-min=10.4km az=6.0.
ISC V 27 20 13 10.3–2.9 41.9N–.10 81.7E–.10 16 29 2-8
SOME V 27 20 13 06.2 41.72N 81.65E 15 ¶612039595
NNC V 27 20 13 07.7–1.6 41.82N 81.72E 0 4.0b,3.8
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=12.0km s-min=9.4km az=172.0.
ISC V 27 21 39 27.0–.51 41.76N–.05 81.88E–.03 14 3.9b 97 2-81
IDC V 27 21 39 24.2–.80 41.84N 81.74E 0 3.8b,3.7 ¶610655162
MOS V 27 21 39 24.9–1.5 41.77N 82.01E 15 4.2b,3.7
SOME V 27 21 39 26.0 41.78N 81.72E 15 3.1s,3.7
NNC V 27 21 39 27.6–1.0 41.87N 81.77E 0 4.6b,4.4
ISC Event type se.
IDC Error ellipse: s-maj=14.8km s-min=13.1km az=69.0.
MOS Error ellipse: s-maj=10.3km s-min=5.8km az=116.4.
NNC Event type se. Error ellipse: s-maj=7.4km s-min=5.7km az=155.0.
ISC V 28 05 09 56.8–1.7 41.9N–.10 81.58E–.06 16 45 2-75
IDC V 28 05 09 51.3–2.5 41.78N 81.77E 0 3.5L,3.3b ¶610685540
SOME V 28 05 09 53.0 41.85N 81.70E 10 3.5L,3.3b
NNC V 28 05 09 54.7–1.6 41.80N 81.61E 0 4.4b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=29.1km s-min=21.5km az=141.0.
NNC Event type se. Error ellipse: s-maj=12.8km s-min=9.6km az=179.0.
ISC V 28 05 47 43.8–2.5 41.98N–.09 80.69E–.08 19–4 35 1-5
NNC V 28 05 47 42.8–2.6 41.78N 80.23E 0 3.5b,3.3 ¶612039606
KRNET V 28 05 47 50.8–.10 41.62N 79.96E 2.1b,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=17.0km s-min=12.2km az=145.0.
ISC V 29 11 41 38.2–3.1 40.6N–.20 79.8E–.10 10 20 2-4
SOME V 29 11 41 36.9 40.93N 79.85E 5 ¶612039711
NNC V 29 11 41 37.5–.80 40.98N 80.12E 0 3.6b,3.1
KRNET V 29 11 41 38.7–.10 40.44N 79.56E 2.4b,3.1
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=8.6km s-min=5.2km az=72.0.
ISC VI 02 08 29 19.8–9.2 41.4N–.50 83.1E–.40 10 15 3-6
SOME VI 02 08 29 10.0 41.28N 83.67E 0 ¶612088494
NNC VI 02 08 29 13.8–1.6 41.23N 83.43E 0 4.0b,3.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=12.7km s-min=10.1km az=4.0.
ISC VI 02 08 50 54.0–5.9 41.2N–.30 82.7E–.20 10 17 3-6
NNC VI 02 08 50 42.9–4.1 40.95N 83.37E 0 3.5b,3.5 ¶612088495
SOME VI 02 08 50 51.3 41.17N 83.22E 0 3.5b,3.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=29.2km s-min=22.6km az=160.0.
ISC VI 12 13 47 27.0–1.6 39.1N–.10 75.84E–.08 10 3.7b 29 3-70
IDC VI 12 13 47 26.5–2.5 38.82N 75.39E 0 3.8b,3.6 ¶610758991
SOME VI 12 13 47 28.3 39.10N 75.77E 0 3.8b,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=49.6km s-min=24.7km az=114.0.
NNC VI 14 22 56 18.3–3.2 38.41N 76.47E 0 3.9b,3.4
¶612088999
NNC Event type se. Error ellipse: s-maj=31.0km s-min=21.2km az=90.0.
ISC VI 14 23 04 23.3–1.0 38.06N–.08 76.58E–.09 10 3.5b 32 5-70
IDC VI 14 23 04 20.1–1.7 37.97N 76.67E 0 3.5b,3.4 ¶610791897
NNC VI 14 23 04 22.8–2.1 38.27N 76.62E 0 4.2b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=27.9km s-min=23.8km az=118.0.
NNC Event type se. Error ellipse: s-maj=15.4km s-min=14.0km az=97.0.
ISC VI 17 13 01 55.1–1.8 39.17N–.09 74.29E–.04 4–13 71 2-14
SOME VI 17 13 01 48.9 39.23N 74.00E 0 ¶610680842
NNC VI 17 13 01 51.8–1.4 39.35N 74.01E 0 4.2b,3.8
KRNET VI 17 13 01 55.9–.10 39.28N 74.36E 3.7b,3.8
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=9.7km s-min=8.7km az=160.0.
ISC VI 20 00 04 16.1–1.4 39.91N–.04 74.07E–.03 2–10 111 1-68
KRNET VI 20 00 04 11.8–.10 39.64N 74.37E 3.6b ¶610681915
SOME VI 20 00 04 12.5 39.82N 73.93E 15 3.6b
IDC VI 20 00 04 13.6–3.6 39.56N 74.13E 0 3.7b,3.3
NNC VI 20 00 04 17.7–1.8 39.94N 74.23E 0 4.2b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=92.6km s-min=26.8km az=145.0.
NNC Event type se. Error ellipse: s-maj=14.4km s-min=7.2km az=173.0.
ISC VI 22 03 38 45.5–1.6 39.71N–.05 74.36E–.03 2–13 71 1-4
KRNET VI 22 03 38 46.2–.10 39.59N 74.32E 3.2b ¶610693468
SOME VI 22 03 38 47.5 39.65N 74.37E 15 3.2b
NNC VI 22 03 38 50.4–1.8 39.81N 74.40E 0 3.7b,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=13.1km s-min=7.4km az=167.0.
ISC VI 23 07 58 31.5–3.3 41.5N–.20 83.5E–.10 10 23 3-8
SOME VI 23 07 58 29.8 41.38N 83.58E 15 ¶612053767
NNC VI 23 07 58 33.2–1.8 41.50N 83.57E 0 4.1b,3.8
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=14.0km s-min=8.7km az=154.0.
ISC VI 23 11 43 58.3–3.5 39.3N–.20 76.36E–.07 35 40 2-6
SOME VI 23 11 43 37.4 39.07N 76.90E 5 ¶612053789
NNC VI 23 11 43 40.0–1.0 39.11N 76.80E 0 3.7b,3.3
KRNET VI 23 11 43 58.8–.10 39.63N 76.24E 2.7b,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=6.8km s-min=5.8km az=168.0.
ISC VI 23 17 41 18.3–3.3 39.2N–.20 76.87E–.07 10 42 2-6
SOME VI 23 17 41 13.7 39.03N 76.80E 5 ¶612053800
NNC VI 23 17 41 15.9–1.3 39.11N 76.73E 0 3.7b,3.3
KRNET VI 23 17 41 24.6–.10 39.11N 76.97E 2.7b,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=8.6km s-min=6.8km az=165.0.
ISC VI 23 21 48 00.0–1.4 39.79N–.07 74.28E–.03 10 80 1-6
KRNET VI 23 21 47 56.2–.10 39.56N 74.24E 3.5b ¶610759032
SOME VI 23 21 47 58.4 39.88N 74.20E 5 3.5b
NNC VI 23 21 48 01.4–1.3 39.90N 74.33E 0 4.0b,3.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=9.5km s-min=5.4km az=172.0.
ISC VI 24 19 47 04.8–.64 37.30N–.06 78.05E–.08 17 3.8b,3.4s 43 6-80
IDC VI 24 19 47 01.9–.82 37.26N 78.20E 0 3.6,3.6b ¶610760996
NNC VI 24 19 47 07.6–1.5 37.38N 77.69E 23–6 4.2b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=19.9km s-min=14.1km az=69.0.
NNC Event type se. Error ellipse: s-maj=10.7km s-min=7.9km az=138.0.
ISC VI 24 23 26 40.9–1.2 39.97N–.06 75.55E–.04 10 87 1-5
SOME VI 24 23 26 36.3 39.92N 75.45E 5 ¶610759034
KRNET VI 24 23 26 38.1–.10 39.94N 75.61E 3.1b
NNC VI 24 23 26 39.9–.97 40.02N 75.45E 0 3.6b,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=7.6km s-min=4.9km az=162.0.
ISC VI 25 03 23 15.4–1.3 41.25N–.08 83.81E–.07 10 34 4-77
IDC VI 25 03 23 14.6–1.8 41.48N 83.84E 0 3.7b,3.6 ¶610789418
NNC VI 25 03 23 17.1–4.2 41.13N 83.45E 3–17 4.2b,3.9
SOME VI 25 03 23 26.3 41.72N 83.33E 0 4.2b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=37.0km s-min=18.7km az=70.0.
NNC Event type se. Error ellipse: s-maj=32.0km s-min=24.1km az=135.0.
ISC VI 26 07 35 56.9–.69 36.58N–.07 83.85E–.08 35 3.9b,3.3s 52 7-80
IDC VI 26 07 35 52.5–.80 36.57N 84.00E 0 3.9,3.9b ¶610789493
NEIC VI 26 07 35 53.5–2.0 36.50N–.08 83.70E–.09 10–2 4.4b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 28 01 35 16.0–2.2 41.9N–.10 81.40E–.07 16 44 2-6
SOME VI 28 01 35 17.7 42.18N 81.85E 30 ¶612053995
NNC VI 28 01 35 19.9–1.3 42.23N 81.61E 0 4.1b,3.8
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=10.4km s-min=7.0km az=162.0.
ISC VI 29 18 29 36.5–3.3 41.4N–.20 80.9E–.10 10 18 2-5
NNC VI 29 18 29 36.4–3.8 41.50N 81.06E 0 3.4b,3.0 ¶612054085
SOME VI 29 18 29 38.6 42.15N 81.57E 10 3.4b,3.0
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=29.3km s-min=20.2km az=9.0.

(322) Gansu.

ISC I 30 18 45 35.6–1.3 39.5N–.10 96.16E–.08 35 3.4b 12 11-42
IDC I 30 18 45 32.0–1.6 39.33N 96.49E 0 3.4,3.3b ¶610235754
ISC Event type ke.
IDC Error ellipse: s-maj=31.6km s-min=21.0km az=38.0.
ISC II 12 07 07 31.0–.94 39.8N–.10 96.9E–.10 35 3.8b 15 11-75
IDC II 12 07 07 25.4–.91 39.51N 96.99E 0 3.8,3.7b ¶610415360
ISC Event type ke.
IDC Error ellipse: s-maj=28.5km s-min=15.1km az=35.0.
ISC II 15 05 53 01.7–.83 39.00N–.04 99.82E–.05 10 13 0-18
IDC II 15 05 53 07.4–9.5 39.62N 100.10E 0 3.8L,3.5 ¶610415545
ISC Event type ke.
IDC Error ellipse: s-maj=116.1km s-min=39.4km az=152.0.
IDC III 04 18 29 11.1–4.8 40.54N 97.58E 0 4.2b,3.5
¶610545542
IDC Error ellipse: s-maj=66.1km s-min=29.5km az=167.0.
ISC III 12 09 37 42.5–1.2 38.5N–.20 103.7E–.20 35 3.5b 8 10-68
IDC III 12 09 37 37.5–1.1 38.51N 103.80E 0 3.6,3.6b ¶610546070
ISC Event type ke.
IDC Error ellipse: s-maj=34.5km s-min=18.5km az=68.0.
IDC III 30 23 46 23.7–23 33.54N 105.33E 0 3.4,3.4b
¶610544017
IDC Error ellipse: s-maj=344.9km s-min=91.3km az=145.0.
ISC VI 03 10 11 10.6–.41 37.98N–.02 103.44E–.03 15–2 4.8b,4.4s 591 2-146
IDC VI 03 10 11 08.1–.42 38.01N 103.44E 0 4.4,4.4b ¶610661108
MOS VI 03 10 11 08.3–.93 37.97N 103.40E 12 5.0b,4.4s
NEIC VI 03 10 11 10.4–1.2 38.00N–.07 103.31E–.10 10–1 4.9b,4.4s
BJI VI 03 10 11 10.0–.00 37.99N 103.56E 15 5.4L,5.0s
GCMT VI 03 10 11 10.4–.20 37.97N–.01 103.58E–.01 19–0 5.0W,5.0s
BGR VI 03 10 11 16.1 37.83N 102.74E 27 5.0b,4.5s
ISC Event type ke.
IDC Error ellipse: s-maj=12.2km s-min=8.2km az=33.0.
MOS Error ellipse: s-maj=6.2km s-min=4.1km az=126.9.
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=10.9km az=256.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s53,c72; s120,c197;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.26±.10 $M_{\theta\theta}$-0.03±.09; $M_{\phi\phi}$0.29±.09; $M_{r\theta}$0.65±.18; $M_{\theta\phi}$3.86±.08; $M_{\phi r}$0.48±.17; Best double couple: NP1:ϕ_s89.00000°,δ84.00000°,λ9.00000°. NP2:ϕ_s358.00000°,δ81.00000°,λ174.00000°. Principal axes: T 4.1370,Plg10.0000° ,Azm314.0000°; N -0.3970,Plg79.0000°,Azm122.0000°; P -3.7400,Plg2.0000° ,Azm224.0000° $M_0$3.93800×10^{16}
BGR Event type ke.

(323) Western Nei Mongol.

ISC I 13 11 11 52.9–.53 38.98N–.04 109.73E–.04 10 4.0b 50 2-73
IDC I 13 11 11 47.0–1.0 39.07N 110.62E 0 3.8,3.7b ¶610237294
NEIC I 13 11 11 53.7–2.3 39.16N–.08 109.8E–.10 10–2 4.2b,3.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC I 31 23 53 19.8–5.5 39.07N 110.48E 0 3.5,3.5b
¶610235853
IDC Error ellipse: s-maj=114.9km s-min=23.4km az=85.0.
IDC III 26 01 00 51.3–5.5 39.35N 110.01E 0 3.3,3.3b
¶610543687
IDC Error ellipse: s-maj=117.8km s-min=26.5km az=86.0.
IDC IV 16 17 33 31.3–1.9 39.08N 110.28E 0 3.5,3.4b
¶610652879
IDC Error ellipse: s-maj=42.3km s-min=22.4km az=89.0.
ISC IV 24 17 22 50.1–.76 36.5N–.10 106.0E–.10 10 3.9b,3.2s 18 11-76
IDC IV 24 17 22 48.4–.81 36.51N 106.02E 0 3.9,3.9b ¶610649913
ISC Event type ke.
IDC Error ellipse: s-maj=19.0km s-min=15.6km az=40.0.
ISC V 14 03 57 01.2–1.1 36.6N–.20 106.2E–.20 35 3.6b,2.9s 9 11-76
IDC V 14 03 56 56.0–1.1 36.49N 106.15E 0 3.6,3.6b ¶610690244
ISC Event type ke.

IDC Error ellipse: s-maj=52.3km s-min=19.7km az=55.0.

(324) Kashmir-Xinjiang border region.

ISC I 17 13 02 29.2–.61 36.03N–.05 78.32E–.06 100 3.5b 52 5-81
NNC I 17 13 02 25.1–3.5 35.61N 77.23E 332–50 4.2,3.0b ¶610148210
IDC I 17 13 02 30.6–3.7 36.13N 78.36E 95–33 3.8,3.4b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=35.2km s-min=27.1km az=178.0.
IDC Error ellipse: s-maj=38.8km s-min=17.4km az=50.0.
ISC III 31 23 39 06.1–1.9 36.5N–.10 77.1E–.10 35 3.2b 16 6-81
NNC III 31 23 39 10.2–7.8 36.56N 75.97E 0 3.7b,3.3 ¶610544081
IDC III 31 23 39 18.8–7.3 37.06N 77.05E 136–48 3.4,3.0b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=67.0km s-min=59.7km az=57.0.
IDC Error ellipse: s-maj=61.9km s-min=29.7km az=6.0.
IDC IV 30 22 43 30.9–4.1 36.97N 77.71E 0 3.6b,3.4
¶610650454
IDC Error ellipse: s-maj=62.1km s-min=39.0km az=120.0.
ISC V 01 11 19 40.3–1.9 36.7N–.20 76.7E–.20 35 3.6b,3.3s 12 11-81
IDC V 01 11 19 32.5–2.3 36.29N 77.00E 0 3.6b,3.5s ¶610689301
ISC Event type ke.
IDC Error ellipse: s-maj=51.0km s-min=28.6km az=136.0.
ISC VI 07 09 25 48.0–1.3 36.6N–.10 77.5E–.20 96 3.2b 11 6-81
IDC VI 07 09 25 35.6–1.3 36.26N 77.33E 0 3.6,3.5b ¶610791399
ISC Event type ke.
IDC Error ellipse: s-maj=41.0km s-min=17.8km az=69.0.

(325) Qinghai.

ISC I 01 11 25 31.6–.92 34.2N–.20 90.0E–.30 35 3.6b 11 14-71
IDC I 01 11 25 26.9–.95 34.10N 89.84E 0 3.5,3.5b ¶610236383
ISC Event type ke.
IDC Error ellipse: s-maj=52.9km s-min=17.1km az=53.0.
ISC I 12 06 42 26.2–.50 38.61N–.05 93.20E–.05 10 3.9b 45 3-83
NEIC I 12 06 42 21.6–1.4 38.85N–.08 94.2E–.10 10–2 4.0b ¶610123234
IDC I 12 06 42 24.6–.80 38.47N 93.18E 0 3.9,3.9b
NNC I 12 06 42 32.4–4.0 38.74N 92.37E 0 4.2b,3.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.4km s-min=5.5km az=231.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=35.3km s-min=17.5km az=55.0.
NNC Event type se. Error ellipse: s-maj=68.8km s-min=32.6km az=58.0.
IDC I 18 22 02 43.9–3.6 33.98N 92.21E 0 3.3,3.3b
¶610237686
IDC Error ellipse: s-maj=276.9km s-min=28.9km az=63.0.
ISC II 12 16 53 43.2–.65 35.89N–.06 90.28E–.09 10 3.4s,3.4b 17 4-81
IDC II 12 16 53 42.4–.94 35.94N 90.23E 0 3.5s,3.5 ¶610415390
ISC Event type ke.
IDC Error ellipse: s-maj=33.8km s-min=18.4km az=60.0.
ISC III 09 23 31 52.3–1.1 33.1N–.10 99.3E–.30 35 3.7b,3.0s 6 15-62
IDC III 09 23 31 47.7–1.5 33.07N 99.29E 0 3.6L,3.5b ¶610545904
ISC Event type ke.
IDC Error ellipse: s-maj=66.8km s-min=23.4km az=64.0.
ISC III 28 10 59 21.7–.59 33.59N–.08 90.9E–.10 35 3.9b,3.5s 28 4-82
IDC III 28 10 59 15.7–1.6 33.44N 90.78E 0 3.8L,3.6b ¶610543846
NEIC III 28 10 59 21.7–1.5 33.64N–.09 91.0E–.10 30–6 4.2b,3.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 13 14 34 05.3–1.6 33.4N–.40 90.5E–.70 35 3.4b 6 16-70
IDC IV 13 14 34 00.3–1.9 33.41N 90.53E 0 3.4,3.4b ¶610652642
ISC Event type ke.
IDC Error ellipse: s-maj=146.8km s-min=22.0km az=61.0.
ISC IV 21 04 36 37.5–1.3 33.7N–.10 91.2E–.20 35 3.8b 12 7-82
IDC IV 21 04 36 32.0–1.3 33.38N 90.88E 0 3.6b,3.5 ¶610653143
ISC Event type ke.
IDC Error ellipse: s-maj=70.6km s-min=24.7km az=61.0.
ISC IV 25 00 03 01.7–1.0 36.1N–.10 93.3E–.10 35 3.8b 14 14-84
IDC IV 25 00 02 55.5–1.0 35.72N 93.31E 0 4.5s,3.7b ¶610649944
ISC Event type ke.
IDC Error ellipse: s-maj=40.3km s-min=19.7km az=53.0.
ISC IV 28 23 52 02.8–.64 37.67N–.09 94.72E–.09 10 4.1b 33 13-84
IDC IV 28 23 52 01.2–.63 37.52N 94.74E 0 4.0b,3.9 ¶610650266
NNC IV 28 23 52 09.7–2.2 38.09N 94.23E 0 4.6b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=21.5km s-min=13.6km az=46.0.
NNC Event type se. Error ellipse: s-maj=31.3km s-min=17.8km az=49.0.
ISC V 18 19 45 18.4–1.2 36.7N–.20 97.1E–.10 35 3.6b 10 13-66
IDC V 18 19 45 13.4–1.4 36.59N 97.19E 0 3.6,3.6b ¶610690616
ISC Event type ke.
IDC Error ellipse: s-maj=41.9km s-min=21.1km az=37.0.
ISC VI 01 03 02 59.1–1.4 37.8N–.20 94.7E–.10 35 3.9b 13 13-77
IDC VI 01 03 02 54.2–1.5 37.55N 94.95E 0 3.9b,3.7 ¶610791030
ISC Event type ke.
IDC Error ellipse: s-maj=41.6km s-min=21.9km az=54.0.
IDC VI 02 17 47 55.8–10 38.69N 99.89E 0 3.3,3.0L
¶610791111
IDC Error ellipse: s-maj=133.4km s-min=43.1km az=149.0.
ISC VI 03 05 07 51.2–.82 33.66N–.09 91.1E–.10 35 4.0b 19 7-82
IDC VI 03 05 07 46.0–.94 33.49N 90.93E 0 3.9b,3.8 ¶610791147
ISC Event type ke.
IDC Error ellipse: s-maj=44.3km s-min=17.4km az=59.0.
ISC VI 03 05 22 21.4–1.1 33.75N–.08 91.2E–.20 35 3.7b 17 7-82
IDC VI 03 05 22 16.3–1.1 33.59N 91.13E 0 3.7b,3.6 ¶610791149
ISC Event type ke.
IDC Error ellipse: s-maj=70.9km s-min=20.1km az=58.0.
ISC VI 08 00 56 53.8–.54 33.56N–.03 91.01E–.03 11–3 4.6b,4.3s 332 4-152
BJI VI 08 00 56 53.7–.00 33.56N 91.13E 10 4.8s,4.7b ¶610667766
NEIC VI 08 00 56 54.0–1.2 33.62N–.07 91.06E–.09 10–1 4.6b,4.7b
MOS VI 08 00 56 54.2–.93 33.58N 91.06E 27 4.8b,4.4s
GCMT VI 08 00 56 57.0–.20 33.60N–.02 91.25E–.02 12 4.9W,4.4s
IDC VI 08 00 56 57.6–3.7 33.59N 91.14E 39–31 4.4,4.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.6km s-min=11.6km az=46.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=7.6km s-min=4.1km az=123.5.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s42,c51; s89,c151;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-1.80±.09 $M_{\theta\theta}$0.53±.08; $M_{\phi\phi}$1.27±.07; $M_{r\theta}$0.20±.27; $M_{\theta\phi}$2.18±.07; $M_{\phi r}$0.07±.25; Best double couple: NP1:ϕ_s231.00000°,δ48.00000°,λ-75.00000°. NP2:ϕ_s29.00000°,δ44.00000°,λ-106.00000°. Principal axes: T 3.1200,Plg2.0000° ,Azm310.0000°; N -1.2880,Plg11.0000°,Azm41.0000°; P -1.8270,Plg79.0000° ,Azm210.0000° $M_0$2.47400×10^{16}
IDC Error ellipse: s-maj=18.4km s-min=11.9km az=36.0.
ISC VI 08 04 31 51.0–.39 33.70N–.04 91.02E–.04 10 4.0b,3.7s 110 4-99
NDI VI 08 04 31 45.5–2.1 34.18N 91.49E 10 4.0b,3.8s ¶610791439
IDC VI 08 04 31 48.1–.68 33.60N 91.16E 0 4.0b,3.9
BJI VI 08 04 31 49.9–.00 33.59N 91.11E 9 4.4b,4.3b
MOS VI 08 04 31 51.9–1.2 33.62N 91.00E 39 4.2b,4.3b
NEIC VI 08 04 31 55.1–1.6 33.77N–.07 91.12E–.05 62–10 4.0b,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 13 19 38 16.6–.36 33.54N–.03 91.05E–.03 24–2 4.8b,4.2s 571 4-155
MOS VI 13 19 38 16.5–1.0 33.56N 91.03E 36 5.0b,4.3s ¶616200237
NEIC VI 13 19 38 18.4–1.2 33.62N–.06 91.08E–.10 35–1 4.8b,4.3s
GCMT VI 13 19 38 18.4–.20 33.59N–.02 91.30E–.02 12 4.9W,4.3s
IDC VI 13 19 38 19.2–3.2 33.59N 91.15E 42–29 4.4,4.1s
BGR VI 13 19 38 19.2 33.19N 90.84E 33 4.8b,4.3s
BJI VI 13 19 38 20.5–.00 33.55N 91.70E 10 4.9b,4.8s
NDI VI 13 19 38 24.2–2.1 33.29N 90.66E 33 4.8b,4.3s
ISC Event type ke.
MOS Error ellipse: s-maj=6.3km s-min=3.8km az=125.3.
NEIC Event type se. Error ellipse: s-maj=14.2km s-min=10.3km az=67.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s44,c57; s101,c175;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-1.90±.08 $M_{\theta\theta}$0.55±.08; $M_{\phi\phi}$1.35±.07; $M_{r\theta}$-0.81±.27; $M_{\theta\phi}$2.10±.06; $M_{\phi r}$-0.34±.24; Best double couple: NP1:ϕ_s59.00000°,δ57.00000°,λ-64.00000°. NP2:ϕ_s197.00000°,δ41.00000°,λ-124.00000°. Principal axes: T 3.2070,Plg9.0000° ,Azm130.0000°; N -1.0260,Plg22.0000°,Azm224.0000°; P -2.1810,Plg66.0000° ,Azm20.0000° $M_0$2.69400×10^{16}
IDC Error ellipse: s-maj=16.4km s-min=10.5km az=27.0.
BGR Event type ke.
NDI Error ellipse: s-maj=35.5km s-min=38.3km az=-1.0.
ISC VI 14 06 04 08.5–.78 33.88N–.07 90.81E–.08 10 4.1b,3.3s 19 4-70
IDC VI 14 06 04 05.6–1.4 33.74N 91.16E 0 3.8b,3.6 ¶610791832
ISC Event type ke.
IDC Error ellipse: s-maj=64.4km s-min=20.4km az=62.0.
ISC VI 18 06 09 33.1–.65 33.68N–.08 90.91E–.08 35 3.8b,3.3s 25 4-82
IDC VI 18 06 09 27.0–.91 33.47N 90.97E 0 3.8b,3.7 ¶610792099
ISC Event type ke.
IDC Error ellipse: s-maj=28.6km s-min=17.4km az=43.0.
ISC VI 29 21 35 32.8–1.0 36.9N–.20 98.3E–.10 35 4.0b 14 12-69
IDC VI 29 21 35 27.6–.81 36.85N 98.33E 0 4.0,3.9b ¶610761012
ISC Event type ke.
IDC Error ellipse: s-maj=30.4km s-min=15.4km az=46.0.

SEISMIC REGION 28.
Alma-Ata to Lake Baikal.

(326) Southwestern Siberia.

ASRS I 01 00 09 25.2–.30 52N–2.0 96E–1.0 5 3.8
¶612509420
ASRS Event type ke. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC I 01 13 40 30.8–.93 54.65N–.03 83.63E–.02 4–7 45 0-8
ASRS I 01 13 40 30.7–.20 55N–2.0 84E–1.0 0 3.2L ¶612032565
NNC I 01 13 40 53.1–2.4 53.68N 83.38E 0 3.6b,3.2
ISC Event type se.
ASRS Event type ke. Error ellipse: s-maj=3.7km s-min=1.9km az=26.0.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NNC Error ellipse: s-maj=17.2km s-min=11.4km az=32.0.
IDC I 05 05 32 57.5–3.8 55.60N 86.63E 0 2.9,2.4L
¶610236756
IDC Error ellipse: s-maj=30.5km s-min=27.9km az=6.0.
IDC I 06 07 54 57.0–3.1 53.43N 87.56E 0 2.9,2.7L
¶610236820
IDC Error ellipse: s-maj=28.6km s-min=16.1km az=57.0.
NNC I 07 23 45 44.4–2.3 50.04N 87.84E 0 3.9b,3.5
¶612032834
NNC Event type se. Error ellipse: s-maj=18.0km s-min=11.9km az=89.0.
IDC I 09 05 54 39.5–3.4 54.42N 86.90E 0 2.9,2.5L
¶610236995
IDC Error ellipse: s-maj=31.1km s-min=18.4km az=56.0.
IDC I 09 07 10 35.4–2.9 54.19N 87.44E 0 3.0,2.8L
¶610237002
IDC Error ellipse: s-maj=24.6km s-min=16.0km az=56.0.
IDC I 09 07 46 31.1–2.6 53.73N 87.13E 0 3.2,2.9L
¶610237006
IDC Error ellipse: s-maj=24.7km s-min=14.8km az=65.0.
IDC I 09 09 29 27.6–3.4 54.38N 87.30E 0 2.8,2.3L
¶610237016
IDC Error ellipse: s-maj=27.8km s-min=19.6km az=52.0.
IDC I 09 10 10 51.6–2.4 53.75N 86.81E 0 3.0,2.6L
¶610237021
IDC Error ellipse: s-maj=20.0km s-min=12.2km az=71.0.
IDC I 10 06 37 47.6–3.3 54.37N 87.04E 0 3.3,2.9L
¶610237056
IDC Error ellipse: s-maj=30.7km s-min=18.8km az=50.0.
ISC I 10 07 04 51.7–4.2 53.7N–.20 87.7E–.20 35 6 2-10
IDC I 10 07 04 47.1–2.7 53.59N 87.88E 0 3.4,2.8L ¶610237057
ISC Event type se.
IDC Error ellipse: s-maj=24.9km s-min=13.7km az=59.0.
IDC I 10 07 10 17.6–4.0 53.88N 88.38E 0 2.9,2.3L
¶610237058
IDC Error ellipse: s-maj=40.9km s-min=21.4km az=42.0.
IDC I 10 07 24 12.4–2.7 53.92N 86.63E 0 2.9,2.5L
¶610237059
IDC Error ellipse: s-maj=22.7km s-min=13.2km az=66.0.
IDC I 10 07 25 01.4–3.4 54.60N 86.52E 0 2.9,2.7L
¶610237062
IDC Error ellipse: s-maj=26.7km s-min=16.8km az=50.0.
IDC I 10 07 43 08.0–2.7 53.95N 86.66E 0 2.7,2.6L
¶610237063
IDC Error ellipse: s-maj=21.7km s-min=13.1km az=67.0.
IDC I 10 08 35 14.8–3.1 53.50N 87.51E 0 2.7,2.4L
¶610237065
IDC Error ellipse: s-maj=28.3km s-min=16.3km az=57.0.
IDC I 10 09 27 35.8–2.9 53.60N 87.77E 0 3.0,2.7L
¶610237070
IDC Error ellipse: s-maj=25.2km s-min=14.5km az=61.0.
IDC I 10 09 50 07.0–3.7 53.65N 90.68E 0 2.8,2.3L
¶610237071
IDC Error ellipse: s-maj=32.8km s-min=26.4km az=33.0.
IDC I 11 08 14 31.1–2.8 54.46N 87.11E 0 2.9,2.6L
¶610237135
IDC Error ellipse: s-maj=23.1km s-min=17.0km az=56.0.
IDC I 11 08 20 49.9–3.5 54.39N 87.60E 0 3.0,2.8L
¶610237136
IDC Error ellipse: s-maj=32.2km s-min=22.1km az=42.0.
IDC I 12 07 44 38.5–3.4 54.38N 87.45E 0 2.7,2.4L
¶610237227
IDC Error ellipse: s-maj=28.7km s-min=18.5km az=49.0.
IDC I 12 08 27 34.6–3.6 53.70N 87.46E 0 2.9,2.5L
¶610237230
IDC Error ellipse: s-maj=36.2km s-min=17.1km az=50.0.
IDC I 13 06 35 53.8–2.4 54.17N 86.33E 0 3.1,2.8L
¶610237281
IDC Error ellipse: s-maj=19.6km s-min=11.7km az=57.0.
IDC I 13 06 55 38.8–2.7 54.38N 87.08E 0 3.3,3.0L
¶610237283
IDC Error ellipse: s-maj=22.4km s-min=15.4km az=63.0.
IDC I 13 07 43 20.7–3.2 54.55N 87.10E 0 3.0,2.7L
¶615968243
IDC Error ellipse: s-maj=28.1km s-min=19.2km az=57.0.
IDC I 16 04 47 26.0–3.4 55.44N 86.06E 0 2.8,2.4L
¶610237484
IDC Error ellipse: s-maj=26.2km s-min=22.3km az=51.0.
IDC I 16 06 18 15.9–3.5 54.42N 86.86E 0 2.7,1.8L
¶610147667
IDC Error ellipse: s-maj=31.3km s-min=18.5km az=55.0.
IDC I 16 06 23 28.1–3.2 54.46N 87.04E 0 2.8,2.5L
¶610237492
IDC Error ellipse: s-maj=27.1km s-min=19.3km az=52.0.
IDC I 16 07 48 45.0–2.7 54.30N 85.95E 0 3.1,2.6L
¶610237496
IDC Error ellipse: s-maj=20.0km s-min=10.7km az=55.0.
IDC I 16 10 01 06.5–3.4 54.23N 86.85E 0 2.7,2.4L

¶610237504
IDC Error ellipse: s-maj=30.0km s-min=17.3km az=58.0.
IDC I 16 10 01 36.3–3.3 54.20N 86.76E 0 3.0,2.5L
¶610237507
IDC Error ellipse: s-maj=28.4km s-min=16.0km az=56.0.
IDC I 17 06 21 08.1–2.5 52.99N 89.96E 0 2.7,2.3L
¶610237575
IDC Error ellipse: s-maj=24.3km s-min=18.8km az=15.0.
IDC I 17 06 44 30.5–2.4 53.66N 86.93E 0 2.9,2.6L
¶610237576
IDC Error ellipse: s-maj=20.7km s-min=12.9km az=75.0.
IDC I 17 07 25 11.4–2.6 53.94N 86.56E 0 2.7,2.4L
¶610237578
IDC Error ellipse: s-maj=20.8km s-min=12.8km az=64.0.
IDC I 17 07 26 17.2–3.2 53.54N 87.27E 0 2.6,2.2L
¶610237579
IDC Error ellipse: s-maj=30.9km s-min=17.7km az=66.0.
IDC I 17 07 38 26.8–2.9 53.82N 86.83E 0 2.5,2.3L
¶610237580
IDC Error ellipse: s-maj=26.1km s-min=15.0km az=68.0.
IDC I 17 08 55 22.6–2.4 54.26N 86.19E 0 3.2,2.9L
¶610237584
IDC Error ellipse: s-maj=19.0km s-min=12.1km az=50.0.
IDC I 18 06 40 49.6–471 56.12N 96.07E 0
¶610237647
IDC Error ellipse: s-maj=174.9km s-min=123.3km az=71.0.
IDC I 18 07 09 54.4–2.1 54.46N 83.60E 0 2.5,2.1L
¶610237648
IDC Error ellipse: s-maj=16.2km s-min=9.8km az=155.0.
IDC I 18 07 11 23.2–3.9 55.69N 86.24E 0 2.7,2.2L
¶610237649
IDC Error ellipse: s-maj=32.8km s-min=29.2km az=53.0.
IDC I 18 07 46 31.7–468 55.99N 95.99E 0
¶610237650
IDC Error ellipse: s-maj=173.4km s-min=125.1km az=72.0.
IDC I 18 08 35 45.0–473 56.03N 95.80E 0
¶610237655
IDC Error ellipse: s-maj=175.0km s-min=122.9km az=73.0.
IDC I 18 08 38 26.8–2.8 53.92N 86.62E 0 2.8,2.4L
¶610237656
IDC Error ellipse: s-maj=22.6km s-min=13.1km az=65.0.
IDC I 18 09 06 31.8–3.6 55.52N 86.45E 0 2.7,2.1L
¶610237657
IDC Error ellipse: s-maj=27.7km s-min=27.2km az=26.0.
IDC I 18 09 22 55.4–2.5 53.71N 86.86E 0 2.8,2.4L
¶610237658
IDC Error ellipse: s-maj=22.5km s-min=13.6km az=73.0.
IDC I 18 09 52 01.2–2.9 53.53N 87.71E 0 3.0,2.8L
¶610237660
IDC Error ellipse: s-maj=25.2km s-min=14.3km az=63.0.
IDC I 19 07 36 38.5–2.5 54.29N 85.89E 0 3.1,2.7L
¶610237713
IDC Error ellipse: s-maj=18.4km s-min=10.4km az=52.0.
IDC I 19 08 38 21.2–2.8 54.22N 87.11E 0 3.0,2.5L
¶610237715
IDC Error ellipse: s-maj=25.2km s-min=16.3km az=64.0.
IDC I 19 08 42 29.4–3.4 54.14N 87.23E 0 2.7,2.2L
¶610237716
IDC Error ellipse: s-maj=31.2km s-min=19.8km az=54.0.
IDC I 19 08 59 18.4–2.9 53.73N 86.90E 0 2.6,2.4L
¶610237717
IDC Error ellipse: s-maj=27.5km s-min=15.7km az=70.0.
IDC I 20 08 40 12.1–2.2 54.28N 85.94E 0 3.2,2.7L
¶610234924
IDC Error ellipse: s-maj=16.7km s-min=9.6km az=58.0.
IDC I 20 08 42 06.7–3.0 54.16N 87.23E 0 3.0,2.7L
¶610234925
IDC Error ellipse: s-maj=23.7km s-min=16.6km az=64.0.
IDC I 20 08 55 23.9–2.4 54.21N 86.10E 0 3.0,2.8L
¶610234926
IDC Error ellipse: s-maj=18.6km s-min=11.2km az=56.0.
IDC I 20 09 10 52.8–3.0 54.16N 87.24E 0 2.8,2.5L
¶610234928
IDC Error ellipse: s-maj=26.3km s-min=18.2km az=57.0.
IDC I 23 09 41 44.9–2.1 54.47N 83.64E 0 2.7,2.4L
¶610235180
IDC Error ellipse: s-maj=17.5km s-min=10.9km az=164.0.
IDC I 24 06 23 59.4–2.6 53.69N 86.91E 0 2.9,2.6L
¶610235246
IDC Error ellipse: s-maj=23.3km s-min=13.2km az=71.0.
IDC I 24 07 06 44.1–3.2 53.70N 87.42E 0 2.6,2.2L
¶610235247
IDC Error ellipse: s-maj=30.4km s-min=16.8km az=57.0.
IDC I 24 09 45 17.5–3.3 53.62N 87.91E 0 2.9,2.7L
¶610235258
IDC Error ellipse: s-maj=33.1km s-min=18.3km az=52.0.
IDC I 25 06 24 27.6–3.3 54.70N 87.55E 0 3.0,2.8L
¶610235303
IDC Error ellipse: s-maj=29.5km s-min=24.1km az=34.0.
ISC I 25 08 47 29.7–2.7 54.8N–.20 83.9E–.10 35 7 1-8
IDC I 25 08 47 28.8–1.6 54.67N 83.77E 0 2.9,2.5L ¶610235313
ISC Event type ke.
IDC Error ellipse: s-maj=13.7km s-min=9.6km az=3.0.
ISC I 26 02 19 32.8–.88 50.03N–.03 87.86E–.04 10 34 0-6
ASRS I 26 02 19 32.1–.50 50N–2.0 88E–3.0 6–4 3.4 ¶612033605
NNC I 26 02 19 33.4–1.4 50.15N 87.82E 0 3.5b,3.1
ISC Event type ke.
ASRS Event type ke. Error ellipse: s-maj=6.2km s-min=3.8km az=115.9. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/tab. manual. confirmed.
NNC Event type se. Error ellipse: s-maj=13.5km s-min=4.8km az=102.0.
IDC I 26 06 52 45.8–1.9 53.94N 85.55E 0 2.8,2.4L
¶610235365
IDC Error ellipse: s-maj=12.7km s-min=5.7km az=83.0.
IDC I 27 06 35 41.5–2.7 54.20N 86.42E 0 2.9,2.7L
¶610235439
IDC Error ellipse: s-maj=20.9km s-min=13.5km az=52.0.
IDC I 27 07 11 55.8–3.0 53.54N 87.24E 0 2.6,2.3L
¶610235444
IDC Error ellipse: s-maj=28.2km s-min=16.1km az=70.0.
IDC I 27 07 33 43.9–3.6 55.43N 85.89E 0 2.5,2.3L
¶610235446
IDC Error ellipse: s-maj=27.7km s-min=25.6km az=43.0.
IDC I 27 07 35 03.6–3.4 54.54N 86.33E 0 2.8,2.2L
¶610235447
IDC Error ellipse: s-maj=25.3km s-min=15.0km az=49.0.
IDC I 27 08 16 05.5–3.6 55.38N 86.08E 0 2.5,2.2L
¶610235453
IDC Error ellipse: s-maj=27.9km s-min=22.7km az=13.0.
IDC I 27 08 18 47.6–3.1 54.48N 86.99E 0 2.8,2.4L
¶610235454
IDC Error ellipse: s-maj=24.9km s-min=19.1km az=54.0.
IDC I 27 08 59 26.9–3.4 53.70N 87.97E 0 2.9,2.6L
¶610235460
IDC Error ellipse: s-maj=31.8km s-min=17.4km az=53.0.
IDC I 27 09 06 54.3–3.2 53.55N 87.77E 0 2.7,2.5L
¶610235462
IDC Error ellipse: s-maj=25.3km s-min=15.3km az=63.0.
IDC I 27 09 29 07.6–3.6 54.27N 87.32E 0 2.6,2.3L
¶610235465
IDC Error ellipse: s-maj=33.1km s-min=20.4km az=47.0.
ISC I 27 09 55 17.3–8.9 54.1N–.50 86.6E–.60 10 4 1-18
IDC I 27 09 55 09.8–3.8 54.19N 87.41E 0 3.2,2.6L ¶610235469
ISC Event type ke.
IDC Error ellipse: s-maj=33.5km s-min=20.5km az=49.0.
ISC I 29 09 51 22.7–.90 52.08N–.03 92.70E–.02 10 43 1-9
ASRS I 29 09 51 21.0–.28 52N–1.0 93E–1.0 5 3.7 ¶612033753
NNC I 29 09 51 39.4–8.5 51.04N 92.13E 0 3.5b,3.2
ISC Event type ke.
ASRS Event type ke. Error ellipse: s-maj=3.1km s-min=2.6km az=170.5. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NNC Event type se. Error ellipse: s-maj=73.2km s-min=33.0km az=95.0.
IDC I 30 05 33 14.7–2.7 54.31N 86.74E 0 2.9,2.2L
¶610235689
IDC Error ellipse: s-maj=22.2km s-min=13.7km az=65.0.
IDC I 30 06 27 33.4–3.8 55.54N 86.30E 0 2.7,2.3L
¶610235692
IDC Error ellipse: s-maj=29.1km s-min=25.0km az=14.0.
IDC I 30 06 29 26.1–3.3 54.37N 87.12E 0 2.7,2.2L
¶610235693
IDC Error ellipse: s-maj=28.3km s-min=20.1km az=51.0.
IDC I 30 06 31 28.7–3.0 55.56N 86.50E 0 2.9,2.4L
¶610235694
IDC Error ellipse: s-maj=26.2km s-min=21.9km az=81.0.
IDC I 30 06 53 14.8–2.8 54.11N 87.13E 0 2.7,2.3L
¶610235699
IDC Error ellipse: s-maj=25.5km s-min=17.2km az=67.0.
IDC I 30 07 16 32.8–2.9 53.59N 87.85E 0 2.9,2.5L
¶610235701
IDC Error ellipse: s-maj=24.9km s-min=16.0km az=51.0.
IDC I 30 07 18 57.6–3.2 53.61N 90.76E 0 3.3,2.6L
¶610235702
IDC Error ellipse: s-maj=27.5km s-min=23.1km az=59.0.
IDC I 30 08 17 11.7–2.9 53.97N 86.63E 0 3.0,2.5L
¶610235709
IDC Error ellipse: s-maj=24.6km s-min=14.2km az=55.0.
IDC I 30 09 02 12.6–2.5 53.59N 87.10E 0 2.7,2.4L
¶610235711
IDC Error ellipse: s-maj=23.3km s-min=13.5km az=78.0.
IDC I 30 09 09 36.1–2.5 53.61N 86.89E 0 2.7,2.2L
¶610235712
IDC Error ellipse: s-maj=22.9km s-min=14.4km az=76.0.
IDC I 30 09 10 16.4–3.0 53.51N 87.87E 0 2.8,2.6L
¶610235715
IDC Error ellipse: s-maj=24.5km s-min=14.9km az=62.0.
IDC I 30 09 40 08.4–2.6 54.30N 86.16E 0 3.0,2.8L
¶610235721
IDC Error ellipse: s-maj=19.3km s-min=11.7km az=55.0.
IDC I 30 09 53 02.1–2.9 54.22N 87.21E 0 3.0,2.5L
¶610235722
IDC Error ellipse: s-maj=26.5km s-min=17.9km az=53.0.
IDC I 31 04 32 38.1–2.6 53.63N 87.17E 0 2.8,2.0L
¶610235775
IDC Error ellipse: s-maj=24.0km s-min=15.4km az=71.0.
IDC I 31 04 40 53.5–3.0 53.57N 87.84E 0 2.8,2.4L
¶610235776
IDC Error ellipse: s-maj=24.8km s-min=15.0km az=59.0.
IDC I 31 06 36 10.6–2.4 54.14N 86.16E 0 2.9,2.6L
¶610235783
IDC Error ellipse: s-maj=19.3km s-min=12.0km az=55.0.
IDC I 31 06 41 36.6–2.5 54.30N 85.98E 0 2.8,2.5L
¶610235784
IDC Error ellipse: s-maj=18.0km s-min=10.0km az=55.0.
IDC I 31 07 03 24.3–3.7 54.66N 83.43E 0 2.6,2.1L
¶610235786
IDC Error ellipse: s-maj=26.9km s-min=14.8km az=148.0.
IDC I 31 07 17 32.5–2.7 53.97N 86.50E 0 2.9,2.3L
¶610235787
IDC Error ellipse: s-maj=22.5km s-min=13.6km az=61.0.
IDC I 31 07 26 01.7–3.0 54.17N 87.12E 0 2.9,2.6L
¶610235788
IDC Error ellipse: s-maj=27.6km s-min=16.2km az=62.0.
IDC I 31 07 27 02.1–3.3 54.25N 87.21E 0 2.9,2.6L
¶610235789
IDC Error ellipse: s-maj=32.1km s-min=19.3km az=52.0.
IDC I 31 07 51 40.7–2.3 54.63N 83.77E 0 2.6,2.1L
¶610235792
IDC Error ellipse: s-maj=18.9km s-min=10.7km az=171.0.
IDC I 31 07 53 37.1–2.1 54.62N 83.83E 0 3.0,2.2L
¶610235793
IDC Error ellipse: s-maj=17.3km s-min=10.0km az=170.0.
IDC I 31 08 11 46.3–2.7 53.42N 87.29E 0 3.0,2.7L
¶610235796
IDC Error ellipse: s-maj=25.0km s-min=13.5km az=68.0.
IDC I 31 08 18 13.1–3.2 54.24N 87.50E 0 2.6,2.3L
¶610235798
IDC Error ellipse: s-maj=25.2km s-min=16.9km az=52.0.
IDC I 31 08 20 03.9–2.9 54.12N 87.28E 0 2.8,2.5L
¶610235799
IDC Error ellipse: s-maj=23.3km s-min=16.6km az=60.0.
IDC I 31 08 25 12.6–3.5 53.44N 87.62E 0 2.6,2.2L
¶610235800
IDC Error ellipse: s-maj=32.5km s-min=17.3km az=59.0.
IDC I 31 08 49 04.9–2.7 53.69N 86.99E 0 2.7,2.4L
¶610235802
IDC Error ellipse: s-maj=26.2km s-min=15.4km az=70.0.
IDC I 31 08 58 28.6–3.5 54.24N 87.76E 0 2.6,2.3L
¶610235806
IDC Error ellipse: s-maj=26.5km s-min=18.7km az=44.0.
IDC I 31 09 15 41.9–3.4 54.28N 87.43E 0 2.6,2.4L
¶610235807
IDC Error ellipse: s-maj=28.3km s-min=17.9km az=54.0.
IDC I 31 09 16 54.2–3.2 54.23N 87.25E 0 2.8,2.5L
¶610235808
IDC Error ellipse: s-maj=29.4km s-min=18.4km az=55.0.
ISC I 31 17 26 50.5–1.1 50.14N–.03 84.33E–.03 0–8 3.5b 81 1-86
SOME I 31 17 26 48.5 50.30N 84.25E 15 3.5b ¶610235836
IDC I 31 17 26 50.4–.89 50.15N 84.59E 0 3.5,3.5b
NNC I 31 17 26 52.2–.69 50.17N 84.29E 0 4.0b,3.8
ASRS I 31 17 26 54.0–.33 50N–1.0 85E–2.0 5 4.1,3.8
ISC Event type ke.
NNC Event type se.
ASRS Event type ke. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC II 01 05 40 56.0–3.2 53.56N 87.62E 0 2.9,2.4L
¶610414591
IDC Error ellipse: s-maj=29.9km s-min=15.7km az=58.0.
IDC II 01 06 34 07.0–2.8 53.67N 86.88E 0 3.1,2.6L
¶610414593
IDC Error ellipse: s-maj=27.1km s-min=15.0km az=64.0.
IDC II 01 08 23 59.6–3.2 54.48N 83.60E 0 2.7L,2.5
¶610414596
IDC Error ellipse: s-maj=21.9km s-min=12.5km az=141.0.
IDC II 01 08 39 53.8–2.6 53.87N 86.52E 0 2.6,2.4L
¶610414597
IDC Error ellipse: s-maj=21.4km s-min=12.7km az=66.0.
IDC II 01 08 53 49.1–2.6 53.64N 86.90E 0 2.8,2.3L
¶610414599
IDC Error ellipse: s-maj=25.1km s-min=14.4km az=70.0.
IDC II 01 08 54 20.2–1.4 54.51N 83.59E 0 2.9,2.5L
¶610414600

IDC Error ellipse: s-maj=14.0km s-min=9.1km az=4.0.
IDC II 02 05 35 24.6–2.9 53.66N 88.09E 0 2.8,2.5L
¶610414652

IDC Error ellipse: s-maj=23.7km s-min=15.5km az=58.0.
IDC II 02 06 52 37.0–3.1 53.78N 88.01E 0 3.2,2.8L
¶610414655

IDC Error ellipse: s-maj=26.0km s-min=16.3km az=49.0.
IDC II 02 07 05 05.5–3.0 54.51N 86.28E 0 3.1,2.7L
¶610414656

IDC Error ellipse: s-maj=22.2km s-min=14.9km az=44.0.
IDC II 02 08 35 54.5–2.6 53.44N 87.26E 0 2.7,2.4L
¶610414659

IDC Error ellipse: s-maj=22.3km s-min=13.5km az=72.0.
IDC II 02 08 40 23.3–3.6 53.48N 87.41E 0 2.5,2.2L
¶610414660

IDC Error ellipse: s-maj=34.7km s-min=17.1km az=57.0.
ISC II 02 08 40 39.5–4.7 53.6N–.10 92.2E–.30 35 8 4-11
NNC II 02 08 40 39.2–3.6 53.31N 91.81E 0 4.0b,3.7 ¶610414661
IDC II 02 08 40 45.5–3.2 53.81N 90.88E 0 3.6,3.2L
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=27.4km s-min=17.6km az=80.0.
IDC Error ellipse: s-maj=27.1km s-min=22.3km az=50.0.
IDC II 02 09 17 52.0–2.4 53.71N 86.78E 0 3.1,2.9L
¶610414663

IDC Error ellipse: s-maj=20.3km s-min=12.3km az=70.0.
IDC II 03 06 26 16.1–2.4 53.58N 87.04E 0 3.2,2.3L
¶610414719

IDC Error ellipse: s-maj=22.4km s-min=13.0km az=76.0.
IDC II 03 08 06 21.6–3.9 53.17N 91.54E 0 2.8,2.3L
¶610414727

IDC Error ellipse: s-maj=33.9km s-min=32.4km az=27.0.
IDC II 03 08 24 45.6–3.2 53.46N 87.53E 0 2.8,2.6L
¶610414728

IDC Error ellipse: s-maj=29.0km s-min=16.9km az=58.0.
IDC II 03 09 04 22.7–2.3 54.19N 86.98E 0 3.5,3.0L
¶610414729

IDC Error ellipse: s-maj=20.5km s-min=12.5km az=63.0.
IDC II 04 08 20 36.6–3.0 53.59N 90.60E 0 3.4,2.7L
¶610414797

IDC Error ellipse: s-maj=26.0km s-min=20.7km az=58.0.
IDC II 06 05 24 13.4–3.2 54.34N 86.65E 0 2.8,2.5L
¶610414932

IDC Error ellipse: s-maj=27.8km s-min=16.0km az=51.0.
IDC II 06 05 37 34.2–2.8 55.51N 86.17E 0 3.0,2.4L
¶610414933

IDC Error ellipse: s-maj=25.5km s-min=17.1km az=67.0.
IDC II 06 06 23 46.1–2.6 54.00N 86.66E 0 3.1,2.9L
¶610414936

IDC Error ellipse: s-maj=22.3km s-min=13.6km az=54.0.
IDC II 06 07 01 02.0–2.8 53.55N 87.64E 0 3.2,2.8L
¶610414939

IDC Error ellipse: s-maj=22.9km s-min=14.1km az=63.0.
IDC II 06 07 05 44.5–2.1 54.48N 83.57E 0 2.9,2.5L
¶610414940

IDC Error ellipse: s-maj=16.6km s-min=10.0km az=155.0.
IDC II 06 07 18 41.5–2.2 54.01N 86.44E 0 3.4,3.0L
¶610414941

IDC Error ellipse: s-maj=18.5km s-min=10.8km az=65.0.
IDC II 06 07 29 41.0–3.2 54.26N 87.35E 0 2.9,2.5L
¶610414944

IDC Error ellipse: s-maj=27.5km s-min=17.0km az=57.0.
IDC II 06 07 51 30.4–3.9 53.82N 87.74E 0 2.7,2.3L
¶610414946

IDC Error ellipse: s-maj=35.9km s-min=19.3km az=48.0.
IDC II 06 07 54 40.5–3.2 54.21N 87.21E 0 2.7,2.2L
¶610414947

IDC Error ellipse: s-maj=28.2km s-min=19.7km az=56.0.
IDC II 06 08 40 26.1–3.0 53.46N 87.36E 0 3.0,2.5L
¶610414948

IDC Error ellipse: s-maj=28.6km s-min=16.0km az=58.0.
IDC II 06 08 43 27.6–2.8 54.01N 86.66E 0 2.7,2.5L
¶610414949

IDC Error ellipse: s-maj=22.7km s-min=13.2km az=61.0.
IDC II 06 08 54 16.1–2.8 55.44N 86.18E 0 3.1,2.4L
¶610414952

IDC Error ellipse: s-maj=25.6km s-min=17.2km az=65.0.
IDC II 06 09 02 59.9–2.3 54.25N 86.04E 0 3.1,2.8L
¶610414953

IDC Error ellipse: s-maj=17.5km s-min=10.6km az=55.0.
IDC II 06 09 17 16.2–3.8 53.65N 88.02E 0 2.8,2.4L
¶610414955

IDC Error ellipse: s-maj=37.6km s-min=18.8km az=49.0.
IDC II 06 09 27 48.8–3.5 54.31N 87.22E 0 2.9,2.3L
¶610414956

IDC Error ellipse: s-maj=32.0km s-min=20.5km az=48.0.
IDC II 06 09 29 13.4–3.1 53.61N 87.94E 0 3.3,3.1L
¶610414957

IDC Error ellipse: s-maj=29.9km s-min=16.6km az=49.0.
IDC II 06 09 31 48.6–3.3 53.56N 87.96E 0 2.8,2.5L
¶610414958

IDC Error ellipse: s-maj=27.4km s-min=15.9km az=65.0.
IDC II 07 05 26 48.0–2.7 53.65N 86.90E 0 2.6,1.9L
¶610415014

IDC Error ellipse: s-maj=23.7km s-min=14.4km az=78.0.
IDC II 07 06 01 23.5–3.5 54.30N 87.26E 0 2.6,2.3L
¶610415016

IDC Error ellipse: s-maj=32.2km s-min=20.5km az=52.0.
IDC II 07 07 51 13.6–3.4 53.58N 87.86E 0 3.1,2.8L
¶610415024

IDC Error ellipse: s-maj=31.4km s-min=15.8km az=59.0.
IDC II 07 08 38 10.1–3.5 54.12N 87.76E 0 2.8,2.5L
¶610415027

IDC Error ellipse: s-maj=41.5km s-min=18.4km az=17.0.
IDC II 07 08 53 27.4–3.2 55.37N 86.17E 0 3.0,2.3L
¶610415029

IDC Error ellipse: s-maj=28.8km s-min=17.6km az=54.0.
IDC II 07 09 52 39.3–2.9 53.75N 86.89E 0 2.6,2.1L
¶610415034

IDC Error ellipse: s-maj=25.4km s-min=15.6km az=64.0.
IDC II 07 11 40 08.4–2.2 51.66N 82.37E 0 2.6,2.2L
¶610415039

IDC Error ellipse: s-maj=45.4km s-min=19.5km az=105.0.
IDC II 08 03 33 17.4–412 53.52N 100.40E 0
¶610415085

IDC Error ellipse: s-maj=165.1km s-min=114.5km az=141.0.
IDC II 08 05 41 08.8–2.9 54.40N 86.86E 0 3.0,2.8L
¶610415092

IDC Error ellipse: s-maj=23.4km s-min=15.9km az=57.0.
IDC II 08 07 33 47.5–3.2 54.24N 87.51E 0 2.7,2.3L
¶610415098

IDC Error ellipse: s-maj=24.7km s-min=17.4km az=53.0.
IDC II 08 08 04 03.6–2.6 53.98N 86.51E 0 2.7,2.6L
¶610415100

IDC Error ellipse: s-maj=21.2km s-min=13.4km az=58.0.
IDC II 08 08 41 17.5–2.8 54.36N 86.70E 0 3.1,2.6L
¶610415104

IDC Error ellipse: s-maj=24.4km s-min=15.9km az=53.0.
IDC II 10 07 06 14.9–3.1 54.25N 86.42E 0 3.0,2.7L
¶610415218

IDC Error ellipse: s-maj=23.7km s-min=14.6km az=54.0.
IDC II 10 07 52 17.9–2.6 54.29N 87.18E 0 2.8,2.4L
¶610415219

IDC Error ellipse: s-maj=21.7km s-min=14.2km az=61.0.
IDC II 10 08 26 19.6–3.2 54.26N 87.24E 0 2.7,2.5L
¶610415222

IDC Error ellipse: s-maj=25.7km s-min=16.7km az=63.0.
ISC II 10 08 35 24.7–3.4 54.4N–.20 86.8E–.10 10 13 1-8
IDC II 10 08 35 27.3–2.6 54.21N 86.60E 0 3.0,2.7L ¶610415223
ISC Event type ke.
IDC Error ellipse: s-maj=20.5km s-min=12.9km az=57.0.
IDC II 10 09 50 13.5–3.1 54.22N 87.20E 0 2.7,2.3L
¶610415228

IDC Error ellipse: s-maj=27.5km s-min=16.4km az=65.0.
IDC II 11 04 07 28.7–3.8 53.78N 90.89E 0 2.8,2.4L
¶610415279

IDC Error ellipse: s-maj=29.8km s-min=24.0km az=51.0.
IDC II 13 06 05 05.4–2.7 54.14N 86.44E 0 2.9,2.6L
¶610415427

IDC Error ellipse: s-maj=21.0km s-min=13.3km az=58.0.
IDC II 13 06 53 40.0–2.4 53.64N 86.90E 0 2.8,2.6L
¶610415430

IDC Error ellipse: s-maj=22.0km s-min=12.4km az=75.0.
IDC II 13 08 31 00.2–2.7 55.33N 86.49E 0 3.1,2.6L
¶610415436

IDC Error ellipse: s-maj=24.6km s-min=18.3km az=61.0.
IDC II 13 08 34 23.6–3.6 55.40N 86.59E 0 2.6,2.2L
¶610415437

IDC Error ellipse: s-maj=27.1km s-min=24.8km az=28.0.
IDC II 14 07 33 38.1–2.6 53.96N 86.52E 0 3.1,2.9L
¶610415494

IDC Error ellipse: s-maj=22.3km s-min=12.3km az=61.0.
IDC II 15 05 19 40.6–5.1 55.94N 86.39E 0 2.5,2.5L
¶610415541

IDC Error ellipse: s-maj=38.4km s-min=34.1km az=0.0.
IDC II 15 05 23 56.1–4.1 55.57N 86.14E 0 2.7,2.3L
¶610415542

IDC Error ellipse: s-maj=30.7km s-min=29.6km az=173.0.
IDC II 15 06 32 24.1–3.9 53.73N 88.38E 0 2.5L,2.4
¶610415547

IDC Error ellipse: s-maj=34.1km s-min=18.9km az=53.0.
IDC II 15 07 04 56.7–2.5 54.16N 86.32E 0 2.7,2.5L
¶610415548

IDC Error ellipse: s-maj=19.8km s-min=11.4km az=61.0.
ISC II 15 22 17 01.1–.84 51.73N–.05 95.89E–.04 10 31 1-16
ASRS II 15 22 16 54.6–.41 52N–3.0 96E–2.0 5 3.9 ¶610415588
IDC II 15 22 17 12.7–2.4 51.21N 94.30E 0 2.9,2.2L
ISC Event type ke.
ASRS Event type ke. Error ellipse: s-maj=5.8km s-min=3.6km az=5.3.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=41.4km s-min=21.9km az=20.0.
IDC II 17 08 02 59.2–2.8 54.20N 87.11E 0 2.9,2.7L
¶610415673

IDC Error ellipse: s-maj=23.4km s-min=16.3km az=62.0.
IDC II 17 08 04 51.0–3.7 54.35N 87.37E 0 2.6,2.3L
¶610415674

IDC Error ellipse: s-maj=33.6km s-min=21.4km az=45.0.
IDC II 17 08 29 08.9–1.6 54.47N 83.60E 0 3.0,2.6L
¶610415675

IDC Error ellipse: s-maj=13.2km s-min=10.1km az=170.0.
IDC II 20 09 33 17.6–2.2 54.53N 83.54E 0 3.4,2.2L
¶610384678

IDC Error ellipse: s-maj=18.0km s-min=10.2km az=161.0.
IDC II 21 08 33 20.1–3.0 54.22N 87.28E 0 2.7L,2.4
¶610384736

IDC Error ellipse: s-maj=24.2km s-min=17.2km az=62.0.
IDC II 21 09 20 08.8–3.0 53.69N 87.92E 0 2.6,2.4L
¶610384741

IDC Error ellipse: s-maj=25.2km s-min=17.1km az=50.0.
IDC II 21 09 34 52.5–1.6 54.66N 83.73E 0 3.4,2.2L
¶610384742

IDC Error ellipse: s-maj=13.7km s-min=9.6km az=4.0.
IDC II 22 08 32 51.9–3.1 54.24N 87.40E 0 2.9,2.7L
¶610384793

IDC Error ellipse: s-maj=29.1km s-min=18.5km az=40.0.
IDC II 22 08 48 51.0–3.0 54.21N 87.28E 0 3.0,2.8L
¶610384794

IDC Error ellipse: s-maj=26.5km s-min=16.3km az=61.0.
IDC II 22 09 38 22.1–3.2 53.53N 87.76E 0 2.9,2.5L
¶610384797

IDC Error ellipse: s-maj=28.5km s-min=14.9km az=65.0.
IDC II 22 09 46 38.5–2.6 53.58N 87.89E 0 3.4,2.8L
¶610384798

IDC Error ellipse: s-maj=23.2km s-min=13.8km az=64.0.
IDC II 25 08 32 35.8–3.5 53.57N 90.55E 0 3.1,2.3L
¶610384990

IDC Error ellipse: s-maj=31.7km s-min=23.4km az=43.0.
IDC II 27 05 34 59.4–3.3 54.64N 86.69E 0 2.8,2.4L
¶610385097

IDC Error ellipse: s-maj=26.9km s-min=18.5km az=50.0.
IDC II 27 05 40 19.2–3.4 54.36N 86.89E 0 3.0,2.5L
¶610385098

IDC Error ellipse: s-maj=29.2km s-min=17.5km az=59.0.
IDC II 27 06 38 11.6–3.2 54.28N 87.13E 0 2.7,2.2L
¶610385102

IDC Error ellipse: s-maj=28.1km s-min=19.8km az=54.0.
IDC II 27 07 26 07.0–2.5 54.15N 86.33E 0 2.9,2.7L
¶610385103

IDC Error ellipse: s-maj=19.9km s-min=11.8km az=58.0.
IDC II 27 08 36 05.5–1.6 54.68N 83.77E 0 2.9,2.3L
¶610385111

IDC Error ellipse: s-maj=15.1km s-min=10.0km az=11.0.
IDC II 27 09 26 37.8–3.0 53.55N 87.80E 0 3.0,2.8L
¶610385115

IDC Error ellipse: s-maj=24.3km s-min=15.1km az=62.0.
IDC II 27 09 54 15.6–2.6 55.83N 86.33E 0 3.3,2.7L
¶610385117

IDC Error ellipse: s-maj=24.3km s-min=17.2km az=71.0.
ISC II 27 20 19 11.3–1.1 50.26N–.03 88.21E–.04 5–10 30 0-6
ASRS II 27 20 19 11.5 50N–1.0 88E–1.0 10–3 3.4 ¶612086198
NNC II 27 20 19 12.7–1.7 50.38N 87.92E 0 3.6b,3.2
ISC Event type ke.
ASRS Event type ke. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID
smi:org.gfz-potsdam.de/geofon/Beltir_Velocity_Model. manual. confirmed.
NNC Event type se. Error ellipse: s-maj=14.4km s-min=5.5km az=99.0.
IDC II 28 05 40 26.8–3.5 55.54N 86.07E 0 2.7,2.3L
¶610385175

IDC Error ellipse: s-maj=30.1km s-min=24.6km az=47.0.
IDC II 28 07 26 05.5–2.7 54.19N 86.47E 0 2.9,2.6L
¶610385179

IDC Error ellipse: s-maj=21.0km s-min=12.9km az=59.0.
IDC II 28 07 34 45.4–3.0 53.98N 86.63E 0 2.6,2.2L
¶610385181

IDC Error ellipse: s-maj=24.1km s-min=15.5km az=58.0.
IDC II 28 07 51 27.1–3.4 54.30N 87.37E 0 2.8,2.4L
¶610385183

IDC Error ellipse: s-maj=29.2km s-min=21.3km az=42.0.
IDC II 28 07 54 59.1–3.2 53.40N 87.45E 0 2.6,2.3L
¶610385184

IDC Error ellipse: s-maj=31.3km s-min=15.7km az=59.0.
IDC III 01 07 48 36.2–2.6 53.91N 86.67E 0 2.9,2.7L
¶610545303

IDC Error ellipse: s-maj=21.1km s-min=12.8km az=66.0.
IDC III 01 08 43 25.6–2.8 54.19N 87.04E 0 2.6,2.4L ¶610545306

IDC Error ellipse: s-maj=22.7km s-min=15.3km az=65.0.
IDC III 01 09 47 12.4–3.0 53.48N 87.58E 0 2.9,2.6L ¶610545313

IDC Error ellipse: s-maj=25.7km s-min=15.4km az=59.0.
IDC III 02 09 17 38.1–3.0 53.54N 87.85E 0 2.8,2.5L ¶610545375

IDC Error ellipse: s-maj=24.5km s-min=15.1km az=62.0.
IDC III 02 09 30 16.1–2.6 53.63N 86.95E 0 2.5,2.3L ¶610545376

IDC Error ellipse: s-maj=24.0km s-min=13.9km az=72.0.
IDC III 02 09 45 23.2–2.5 53.70N 87.00E 0 2.8,2.5L ¶610545378

IDC Error ellipse: s-maj=21.1km s-min=13.4km az=74.0.
IDC III 03 06 55 25.4–3.9 53.81N 88.19E 0 2.7,2.5L ¶610545432

IDC Error ellipse: s-maj=37.6km s-min=20.2km az=46.0.
IDC III 03 06 56 48.3–4.2 53.85N 88.27E 0 2.8,2.5L ¶610545433

IDC Error ellipse: s-maj=40.8km s-min=21.2km az=44.0.
IDC III 03 07 55 35.1–3.2 53.49N 87.56E 0 2.6,2.3L ¶610545435

IDC Error ellipse: s-maj=31.8km s-min=15.6km az=56.0.
IDC III 03 08 05 13.5–3.2 54.62N 86.67E 0 2.9,2.5L ¶610545436

IDC Error ellipse: s-maj=25.7km s-min=16.2km az=56.0.
IDC III 03 09 46 01.9–2.6 53.53N 87.59E 0 2.9,2.4L ¶610545446

IDC Error ellipse: s-maj=22.0km s-min=13.1km az=63.0.
IDC III 03 09 49 18.4–2.7 53.63N 87.87E 0 3.1,2.8L ¶610545447

IDC Error ellipse: s-maj=25.5km s-min=15.2km az=70.0.
IDC III 06 06 04 07.0–2.6 54.09N 86.46E 0 3.0,2.7L ¶610545625

IDC Error ellipse: s-maj=21.2km s-min=12.7km az=60.0.
IDC III 06 06 46 41.6–2.9 54.37N 85.99E 0 2.7,2.3L ¶610545630

IDC Error ellipse: s-maj=20.0km s-min=11.6km az=51.0.
IDC III 06 06 52 23.4–3.5 54.26N 87.20E 0 2.5,2.3L ¶610545632

IDC Error ellipse: s-maj=32.5km s-min=20.6km az=54.0.
IDC III 06 07 47 22.5–2.5 53.91N 86.60E 0 2.7,2.4L ¶610545637

IDC Error ellipse: s-maj=20.7km s-min=12.8km az=65.0.
IDC III 06 07 48 43.1–2.8 54.34N 87.08E 0 2.8,2.5L ¶610545638

IDC Error ellipse: s-maj=23.3km s-min=16.5km az=62.0.
ISC III 06 07 56 51.2–1.5 54.0N–.10 81.57E–.07 10 12 2-7
NNC III 06 07 56 50.5–2.7 54.01N 81.38E 0 3.0b,2.6 ¶610545639
IDC III 06 07 56 51.2–1.6 53.96N 81.56E 0 2.7,1.9L
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=32.3km s-min=10.2km az=145.0.
IDC Error ellipse: s-maj=15.5km s-min=10.4km az=154.0.
IDC III 06 09 00 05.3–3.4 54.63N 86.43E 0 2.9,2.5L ¶610545643

IDC Error ellipse: s-maj=25.6km s-min=14.9km az=52.0.
IDC III 06 09 20 48.8–2.5 54.30N 86.28E 0 3.2,2.4L ¶610545647

IDC Error ellipse: s-maj=19.8km s-min=13.4km az=57.0.
IDC III 06 09 32 51.6–2.5 53.69N 86.79E 0 3.1,2.7L ¶610545649

IDC Error ellipse: s-maj=21.9km s-min=12.1km az=73.0.
IDC III 06 09 35 22.6–3.0 53.60N 87.85E 0 3.1,2.9L ¶610545650

IDC Error ellipse: s-maj=26.1km s-min=15.1km az=61.0.
IDC III 07 05 18 01.3–3.2 54.16N 87.22E 0 2.9,1.9L ¶610545704

IDC Error ellipse: s-maj=27.5km s-min=18.8km az=64.0.
IDC III 07 08 33 47.7–2.4 54.10N 86.38E 0 3.1,2.6L ¶610545716

IDC Error ellipse: s-maj=19.0km s-min=11.2km az=63.0.
IDC III 07 08 40 10.4–2.5 53.61N 86.86E 0 2.6,2.3L ¶610545717

IDC Error ellipse: s-maj=24.6km s-min=14.1km az=71.0.
IDC III 07 08 45 49.5–2.5 53.65N 86.94E 0 2.9,2.5L ¶610545719

IDC Error ellipse: s-maj=21.5km s-min=13.5km az=70.0.
IDC III 07 09 24 32.0–2.7 53.75N 86.91E 0 2.9,2.4L ¶610545720

IDC Error ellipse: s-maj=24.7km s-min=14.0km az=71.0.
IDC III 07 09 48 27.8–2.5 53.58N 87.95E 0 3.3,2.7L ¶610545723

IDC Error ellipse: s-maj=22.7km s-min=14.8km az=64.0.
ASRS III 09 07 11 41.2–.36 52N–2.0 96E–1.0 0 3.5 ¶612510090

ASRS Event type ke. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC III 10 05 46 09.7–2.4 53.62N 86.89E 0 2.8,2.5L ¶610545925

IDC Error ellipse: s-maj=21.9km s-min=12.4km az=76.0.
IDC III 10 06 45 08.8–2.8 53.95N 86.57E 0 2.8,2.6L ¶610545928

IDC Error ellipse: s-maj=21.7km s-min=12.1km az=68.0.
IDC III 10 06 53 28.2–2.7 54.16N 86.52E 0 3.1,2.9L ¶610545930

IDC Error ellipse: s-maj=21.6km s-min=12.7km az=62.0.
IDC III 10 07 45 44.0–2.5 53.66N 86.72E 0 2.7,2.5L ¶610545937

IDC Error ellipse: s-maj=22.0km s-min=12.1km az=73.0.
IDC III 10 08 23 57.7–2.6 54.19N 87.00E 0 3.3,2.9L ¶610545939

IDC Error ellipse: s-maj=23.2km s-min=13.5km az=64.0.
IDC III 10 08 29 44.8–2.9 53.94N 86.52E 0 2.5,2.1L ¶610545941

IDC Error ellipse: s-maj=23.2km s-min=13.7km az=68.0.
IDC III 10 08 43 33.4–1.5 54.63N 83.75E 0 2.8,2.2L ¶610545944

IDC Error ellipse: s-maj=14.4km s-min=8.7km az=13.0.
IDC III 10 09 31 27.8–2.3 54.31N 86.08E 0 3.2,2.7L ¶610545948

IDC Error ellipse: s-maj=18.6km s-min=11.7km az=55.0.
ISC III 12 11 50 34.7–1.2 53.70N–.02 81.85E–.02 12–8 4.2b,3.2s 279 1-91
SOME III 12 11 50 32.3 54.00N 82.20E 5 4.2b,3.2s ¶610325626
IDC III 12 11 50 33.4–.48 53.70N 82.09E 0 4.0,4.0b
MOS III 12 11 50 33.5–1.3 53.62N 81.81E 12 4.5b,4.0b
NEIC III 12 11 50 35.3–1.8 53.65N–.06 81.92E–.07 15–5 4.3b,4.0b
ASRS III 12 11 50 35.0–.27 54N–1.0 82E–1.0 8 4.6,4.0b
NNC III 12 11 50 35.7–.65 53.65N 81.85E 19–3 4.6b,4.4
BJI III 12 11 50 36.4–.00 53.55N 82.12E 20 4.5L,4.4b
ISC Event type ke.
IDC Error ellipse: s-maj=8.2km s-min=7.0km az=158.0.
MOS Error ellipse: s-maj=6.6km s-min=4.6km az=77.4.
NEIC Event type se. Error ellipse: s-maj=8.9km s-min=4.9km az=207.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ASRS Event type ke. Error ellipse: s-maj=3.1km s-min=2.2km az=98.0. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NNC Event type se. Error ellipse: s-maj=4.4km s-min=2.1km az=152.0.

IDC III 13 05 51 47.7–2.9 55.47N 86.47E 0 2.8,2.3L ¶610546116

IDC Error ellipse: s-maj=26.2km s-min=20.0km az=66.0.
IDC III 13 06 36 12.9–2.9 54.17N 86.40E 0 2.7,2.3L ¶610546118

IDC Error ellipse: s-maj=22.0km s-min=12.7km az=63.0.
IDC III 14 06 01 50.1–3.6 55.58N 86.18E 0 2.7,2.4L ¶610546183

IDC Error ellipse: s-maj=30.4km s-min=24.8km az=42.0.
IDC III 14 06 54 43.2–3.0 53.56N 87.80E 0 2.8,2.2L ¶610546186

IDC Error ellipse: s-maj=24.7km s-min=15.2km az=61.0.
IDC III 15 03 17 17.0–2.8 55.41N 86.18E 0 3.2,2.5L ¶610546231

IDC Error ellipse: s-maj=25.0km s-min=16.2km az=66.0.
IDC III 16 08 05 52.7–3.3 53.60N 87.81E 0 2.9,2.5L ¶610546298

IDC Error ellipse: s-maj=28.4km s-min=15.7km az=58.0.
IDC III 16 08 47 51.7–424 54.09N 101.19E 0 ¶610546303

IDC Error ellipse: s-maj=170.0km s-min=119.1km az=151.0.
IDC III 17 05 24 53.0–3.4 54.55N 86.17E 0 2.5,2.2L ¶610546359

IDC Error ellipse: s-maj=25.3km s-min=15.4km az=44.0.
IDC III 17 06 55 03.6–2.3 54.12N 86.39E 0 3.1,2.7L ¶610546361

IDC Error ellipse: s-maj=18.8km s-min=11.3km az=60.0.
IDC III 17 07 14 50.1–3.4 54.17N 87.29E 0 2.8,2.5L ¶610546362

IDC Error ellipse: s-maj=31.4km s-min=19.3km az=54.0.
IDC III 17 09 40 47.5–2.5 54.19N 85.86E 0 2.9,2.5L ¶610546376

IDC Error ellipse: s-maj=18.0km s-min=10.5km az=55.0.
IDC III 17 09 42 36.7–2.5 54.27N 86.92E 0 3.5,3.0L ¶610546377

IDC Error ellipse: s-maj=21.3km s-min=13.0km az=62.0.
IDC III 20 06 02 00.8–2.9 54.53N 87.12E 0 2.9,2.3L ¶610543304

IDC Error ellipse: s-maj=24.3km s-min=20.4km az=54.0.
IDC III 20 06 35 52.2–2.7 54.22N 86.36E 0 2.8,2.1L ¶610543306

IDC Error ellipse: s-maj=20.2km s-min=11.9km az=58.0.
IDC III 20 07 21 20.8–2.7 53.75N 86.94E 0 2.7,1.9L ¶610543314

IDC Error ellipse: s-maj=23.9km s-min=13.7km az=70.0.
IDC III 20 09 19 48.9–3.2 53.57N 87.75E 0 2.8,2.7L ¶610543321

IDC Error ellipse: s-maj=30.9km s-min=17.9km az=57.0.
IDC III 21 07 58 17.2–2.5 53.70N 86.64E 0 2.8,2.5L ¶610543390

IDC Error ellipse: s-maj=21.2km s-min=12.7km az=68.0.
IDC III 21 08 01 46.4–2.6 53.66N 86.84E 0 2.8,2.4L ¶610543391

IDC Error ellipse: s-maj=23.9km s-min=14.1km az=66.0.
ISC III 21 09 16 43.3–.96 53.65N–.03 82.23E–.04 10 44 1-7
ASRS III 21 09 16 39.0–.34 54N–1.0 82E–2.0 10 3.1 ¶612087686
NNC III 21 09 16 45.1–2.6 53.37N 82.38E 0 3.0b,2.7
ISC Event type ke.
ASRS Event type ke. Error ellipse: s-maj=3.7km s-min=2.8km az=112.8. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NNC Event type se. Error ellipse: s-maj=44.4km s-min=12.6km az=143.0.
IDC III 21 09 29 20.0–2.7 54.18N 86.04E 0 2.7,2.5L ¶610543393

IDC Error ellipse: s-maj=19.0km s-min=11.3km az=60.0.
IDC III 21 09 45 08.4–2.8 54.29N 85.97E 0 2.7,2.4L ¶610543394

IDC Error ellipse: s-maj=20.1km s-min=11.3km az=55.0.
IDC III 22 05 26 01.3–2.5 54.50N 86.33E 0 3.0,2.6L ¶610543449

IDC Error ellipse: s-maj=19.8km s-min=14.2km az=55.0.
IDC III 22 07 23 56.4–1.8 54.61N 83.75E 0 2.7,2.2L ¶610543454

IDC Error ellipse: s-maj=16.5km s-min=9.7km az=12.0.
NNC III 22 08 33 41.8–5.0 57.95N 84.06E 0 3.7b,3.4 ¶612087750

NNC Event type se. Error ellipse: s-maj=37.7km s-min=37.3km az=108.0.
IDC III 22 08 38 35.0–3.4 54.56N 83.69E 0 2.7,2.4L ¶610543458

IDC Error ellipse: s-maj=23.2km s-min=14.1km az=152.0.
IDC III 22 08 55 15.8–2.4 54.26N 86.03E 0 3.4,3.1L ¶610543461

IDC Error ellipse: s-maj=18.4km s-min=11.0km az=53.0.
IDC III 22 09 40 09.5–3.4 54.23N 86.94E 0 2.7,2.3L ¶610543462

IDC Error ellipse: s-maj=29.7km s-min=17.1km az=64.0.
IDC III 24 07 55 13.4–3.0 54.16N 87.16E 0 2.6,2.3L ¶610543582

IDC Error ellipse: s-maj=24.6km s-min=16.7km az=67.0.
IDC III 27 00 45 06.4–2.7 52.82N 87.36E 0 2.7,2.6L ¶610543760

IDC Error ellipse: s-maj=33.3km s-min=15.0km az=58.0.
IDC III 27 02 30 19.1–3.5 55.67N 86.25E 0 2.6,2.3L ¶610543771

IDC Error ellipse: s-maj=28.9km s-min=27.8km az=4.0.
IDC III 28 09 29 06.6–2.3 54.54N 83.50E 0 2.3,2.2L ¶610543842

IDC Error ellipse: s-maj=19.0km s-min=10.2km az=163.0.
NNC III 30 11 21 59.7–16 57.89N 84.84E 0 3.8b,3.5 ¶612088305

NNC Event type se. Error ellipse: s-maj=129.1km s-min=120.0km az=81.0.
IDC III 31 06 20 54.4–3.6 53.67N 91.19E 0 2.8,2.4L ¶610544031

IDC Error ellipse: s-maj=34.5km s-min=25.5km az=34.0.
IDC III 31 09 15 37.6–2.9 53.54N 87.66E 0 3.0,2.6L ¶610544041

IDC Error ellipse: s-maj=25.6km s-min=14.4km az=63.0.
IDC IV 03 05 46 48.1–4.0 55.63N 86.50E 0 2.6,2.2L ¶610651803

IDC Error ellipse: s-maj=33.4km s-min=28.3km az=36.0.
IDC IV 03 06 05 17.9–2.7 54.22N 86.09E 0 2.7,2.5L ¶610651805

IDC Error ellipse: s-maj=20.0km s-min=12.6km az=55.0.
IDC IV 03 07 15 58.4–2.4 53.61N 86.93E 0 2.8,2.5L ¶610651809

IDC Error ellipse: s-maj=22.6km s-min=13.9km az=73.0.
IDC IV 03 07 34 33.9–2.7 53.92N 86.55E 0 2.6,2.3L ¶610651812

IDC Error ellipse: s-maj=22.5km s-min=13.4km az=69.0.
IDC IV 03 07 42 04.4–2.6 53.65N 86.78E 0 2.6,2.3L ¶610651814

IDC Error ellipse: s-maj=22.8km s-min=12.5km az=74.0.
ISC IV 03 07 46 19.4–5.2 54.4N–.30 86.9E–.20 10 4 1-8
IDC IV 03 07 46 16.9–3.0 54.32N 87.26E 0 2.7,2.4L ¶610651815
ISC Event type ke.
IDC Error ellipse: s-maj=24.5km s-min=18.9km az=56.0.
IDC IV 03 08 36 37.8–3.6 53.62N 87.83E 0 2.7,2.4L ¶610651820

IDC Error ellipse: s-maj=34.4km s-min=18.8km az=53.0.
IDC IV 03 08 51 39.9–3.8 53.71N 88.05E 0 2.5,2.3L ¶610651821

IDC Error ellipse: s-maj=36.1km s-min=19.6km az=50.0.
IDC IV 03 09 09 23.4–3.1 54.01N 86.58E 0 2.5,2.1L
¶610651825
IDC Error ellipse: s-maj=24.8km s-min=14.4km az=65.0.
IDC IV 03 09 15 21.3–2.7 53.99N 86.61E 0 2.9,2.7L
¶610651827
IDC Error ellipse: s-maj=23.3km s-min=13.8km az=58.0.
IDC IV 05 06 32 58.0–3.4 54.22N 87.25E 0 2.8,2.4L
¶610651972
IDC Error ellipse: s-maj=30.5km s-min=19.3km az=55.0.
IDC IV 05 06 36 09.9–2.5 53.78N 86.91E 0 3.0,2.8L
¶610651973
IDC Error ellipse: s-maj=21.5km s-min=14.7km az=66.0.
IDC IV 05 06 45 21.8–4.0 53.87N 88.25E 0 3.1,2.7L
¶610651975
IDC Error ellipse: s-maj=40.1km s-min=20.6km az=43.0.
IDC IV 05 08 12 06.2–3.1 54.25N 87.18E 0 3.0,2.7L
¶610651986
IDC Error ellipse: s-maj=28.2km s-min=17.1km az=60.0.
IDC IV 05 09 48 24.6–3.0 53.63N 87.85E 0 3.1,2.6L
¶610651991
IDC Error ellipse: s-maj=25.6km s-min=16.7km az=50.0.
IDC IV 06 05 08 20.9–3.2 53.64N 87.95E 0 2.6,2.4L
¶610652051
IDC Error ellipse: s-maj=25.4km s-min=16.2km az=57.0.
IDC IV 06 06 04 45.1–3.4 54.21N 87.23E 0 2.7,2.4L
¶610652054
IDC Error ellipse: s-maj=30.8km s-min=19.4km az=57.0.
IDC IV 06 07 59 29.2–2.8 54.20N 87.17E 0 3.1,2.6L
¶610652058
IDC Error ellipse: s-maj=24.8km s-min=15.7km az=66.0.
IDC IV 06 08 56 39.7–3.0 54.23N 87.20E 0 2.9,2.6L
¶610652062
IDC Error ellipse: s-maj=24.2km s-min=16.8km az=64.0.
IDC IV 07 06 27 26.0–3.5 54.21N 87.53E 0 2.5,2.2L
¶610652127
IDC Error ellipse: s-maj=30.1km s-min=19.9km az=39.0.
IDC IV 07 06 35 28.8–2.9 54.25N 86.36E 0 2.8,2.4L
¶610652130
IDC Error ellipse: s-maj=22.6km s-min=13.4km az=54.0.
IDC IV 07 06 59 33.7–3.3 53.58N 87.77E 0 2.8,2.4L
¶610652131
IDC Error ellipse: s-maj=29.5km s-min=15.5km az=64.0.
IDC IV 07 08 24 45.4–3.7 53.54N 87.56E 0 2.6,2.0L
¶610652133
IDC Error ellipse: s-maj=35.9km s-min=18.0km az=54.0.
IDC IV 07 09 09 56.8–2.9 53.51N 87.70E 0 3.0,2.5L
¶610652138
IDC Error ellipse: s-maj=27.3km s-min=17.2km az=57.0.
IDC IV 07 09 39 26.1–2.9 54.32N 87.07E 0 3.1,2.6L
¶610652141
IDC Error ellipse: s-maj=24.8km s-min=15.7km az=63.0.
IDC IV 07 09 55 24.9–3.5 53.56N 87.98E 0 2.7,2.2L
¶610652143
IDC Error ellipse: s-maj=33.3km s-min=19.3km az=55.0.
IDC IV 10 06 08 30.2–3.9 55.53N 85.97E 0 2.6,2.0L
¶610652341
IDC Error ellipse: s-maj=32.3km s-min=26.1km az=42.0.
IDC IV 10 06 57 07.3–2.8 53.64N 86.88E 0 2.5,2.3L
¶610652345
IDC Error ellipse: s-maj=27.4km s-min=15.5km az=66.0.
IDC IV 10 07 05 48.4–3.6 54.59N 86.48E 0 3.1,2.6L
¶610652346
IDC Error ellipse: s-maj=29.0km s-min=16.5km az=48.0.
IDC IV 10 07 07 34.0–3.3 54.31N 87.36E 0 3.1,2.9L
¶610652347
IDC Error ellipse: s-maj=30.0km s-min=19.6km az=48.0.
IDC IV 10 07 55 14.1–3.5 53.45N 87.48E 0 2.6,2.0L
¶610652353
IDC Error ellipse: s-maj=32.9km s-min=17.2km az=59.0.
IDC IV 10 07 59 55.5–2.6 53.66N 87.02E 0 2.8,2.5L
¶610652354
IDC Error ellipse: s-maj=25.4km s-min=15.8km az=63.0.
IDC IV 10 08 04 31.3–3.5 53.48N 87.42E 0 2.5,2.2L
¶610652355
IDC Error ellipse: s-maj=33.7km s-min=17.5km az=59.0.
IDC IV 10 08 06 05.6–3.7 54.09N 87.65E 0 2.7,2.5L
¶610652356
IDC Error ellipse: s-maj=32.1km s-min=19.2km az=45.0.
IDC IV 10 08 18 09.8–3.7 54.16N 87.28E 0 2.3,2.3L
¶610652358
IDC Error ellipse: s-maj=31.8km s-min=20.0km az=54.0.
IDC IV 10 08 56 07.4–2.4 54.22N 86.12E 0 3.1,3.0L
¶610652363
IDC Error ellipse: s-maj=19.1km s-min=12.0km az=51.0.
IDC IV 10 09 09 14.6–3.0 54.26N 87.09E 0 2.9,2.7L
¶610652365
IDC Error ellipse: s-maj=26.5km s-min=18.8km az=55.0.
IDC IV 10 09 10 36.1–3.4 53.56N 87.84E 0 3.0,2.7L
¶610652366
IDC Error ellipse: s-maj=34.0km s-min=18.6km az=54.0.
IDC IV 10 09 14 00.1–3.1 54.12N 86.57E 0 2.5,1.6L
¶610652367
IDC Error ellipse: s-maj=24.3km s-min=14.3km az=60.0.
IDC IV 10 09 35 59.6–3.5 54.14N 87.53E 0 2.7,2.5L
¶610652368
IDC Error ellipse: s-maj=32.4km s-min=19.1km az=44.0.
IDC IV 10 09 37 06.5–3.0 53.68N 86.94E 0 2.6,2.2L
¶610652369
IDC Error ellipse: s-maj=27.9km s-min=16.4km az=73.0.
IDC IV 10 09 51 26.5–3.7 54.26N 87.45E 0 2.7,2.2L
¶610652370
IDC Error ellipse: s-maj=33.2km s-min=20.7km az=43.0.
IDC IV 10 09 55 01.7–3.5 54.23N 87.58E 0 2.8,2.6L
¶610652371
IDC Error ellipse: s-maj=33.1km s-min=21.7km az=46.0.
IDC IV 10 09 56 08.7–2.6 53.69N 86.74E 0 2.9,2.6L
¶610652372
IDC Error ellipse: s-maj=23.9km s-min=13.3km az=68.0.
IDC IV 11 06 13 01.9–2.9 53.72N 86.84E 0 2.6,2.4L
¶610652431
IDC Error ellipse: s-maj=25.6km s-min=15.0km az=72.0.
IDC IV 11 06 53 34.3–3.0 54.15N 86.49E 0 2.7,2.4L
¶610652435
IDC Error ellipse: s-maj=23.3km s-min=13.6km az=61.0.
IDC IV 11 07 50 02.1–3.4 54.29N 87.36E 0 3.1,2.6L
¶610652439
IDC Error ellipse: s-maj=29.9km s-min=20.8km az=40.0.
IDC IV 11 09 17 57.5–2.5 54.26N 86.90E 0 3.6,3.2L
¶610652444
IDC Error ellipse: s-maj=22.8km s-min=13.8km az=66.0.
IDC IV 11 09 22 15.8–3.2 53.55N 87.70E 0 3.3,3.2L
¶610652445
IDC Error ellipse: s-maj=30.4km s-min=16.0km az=58.0.
IDC IV 11 09 34 16.4–2.8 53.76N 86.91E 0 2.6,2.2L
¶610652447
IDC Error ellipse: s-maj=24.1km s-min=15.3km az=71.0.
IDC IV 12 05 52 10.5–3.8 53.73N 88.02E 0 2.5,2.5L
¶610652517
IDC Error ellipse: s-maj=34.7km s-min=20.1km az=49.0.
IDC IV 12 06 00 06.6–4.1 54.42N 86.74E 0 2.6L,2.5
¶610652518
IDC Error ellipse: s-maj=32.5km s-min=18.6km az=51.0.
IDC IV 12 06 31 58.3–3.8 54.21N 87.34E 0 2.6,2.4L
¶610652520
IDC Error ellipse: s-maj=31.3km s-min=19.4km az=52.0.
IDC IV 12 06 38 25.8–3.7 55.69N 86.04E 0 3.2,2.4L
¶610652522
IDC Error ellipse: s-maj=30.9km s-min=26.0km az=37.0.
IDC IV 12 06 40 17.1–3.7 55.66N 86.06E 0 3.0,2.7L
¶610652523
IDC Error ellipse: s-maj=31.4km s-min=26.2km az=37.0.
IDC IV 12 06 56 07.7–3.5 54.56N 86.39E 0 3.2,2.6L
¶610652526
IDC Error ellipse: s-maj=27.7km s-min=15.7km az=48.0.
IDC IV 12 07 03 41.7–2.6 54.14N 86.60E 0 3.1,2.9L
¶610652527
IDC Error ellipse: s-maj=22.0km s-min=13.5km az=55.0.
IDC IV 12 07 35 19.6–2.8 53.93N 86.61E 0 2.7,2.4L
¶610652529
IDC Error ellipse: s-maj=23.2km s-min=13.7km az=64.0.
IDC IV 12 08 24 47.0–3.2 53.43N 87.51E 0 2.6,2.2L
¶610652535
IDC Error ellipse: s-maj=27.9km s-min=16.3km az=62.0.
IDC IV 12 08 51 18.8–4.2 54.18N 87.41E 0 2.4,2.3L
¶610652538
IDC Error ellipse: s-maj=35.6km s-min=21.2km az=45.0.
IDC IV 12 09 09 42.9–3.2 53.74N 87.04E 0 2.5,2.4L
¶610652539
IDC Error ellipse: s-maj=28.4km s-min=17.3km az=69.0.
IDC IV 12 09 59 40.1–3.3 53.55N 87.99E 0 2.9,2.7L
¶610652543
IDC Error ellipse: s-maj=33.0km s-min=18.5km az=55.0.
IDC IV 12 10 52 35.4–482 56.30N 95.13E 0
¶610652547
IDC Error ellipse: s-maj=186.2km s-min=120.2km az=67.0.
IDC IV 13 06 22 55.5–4.3 54.32N 87.44E 0 2.5,2.0L
¶610652608
IDC Error ellipse: s-maj=35.5km s-min=21.5km az=38.0.
IDC IV 13 06 35 03.1–3.9 54.22N 86.58E 0 2.3,2.3L
¶610652610
IDC Error ellipse: s-maj=28.3km s-min=16.6km az=53.0.
IDC IV 13 06 35 56.6–3.8 53.73N 88.09E 0 2.7L,2.6
¶610652613
IDC Error ellipse: s-maj=34.9km s-min=20.3km az=49.0.
IDC IV 13 06 41 48.4–4.3 54.19N 87.48E 0 2.2,1.9L
¶610652614
IDC Error ellipse: s-maj=35.8km s-min=20.9km az=42.0.
IDC IV 13 07 05 03.8–3.6 53.72N 90.89E 0 3.2,2.7L
¶610652615
IDC Error ellipse: s-maj=31.9km s-min=24.3km az=76.0.
IDC IV 13 07 12 31.8–3.0 54.46N 83.59E 0 2.6,2.3L
¶610652616
IDC Error ellipse: s-maj=20.8km s-min=12.0km az=141.0.
IDC IV 13 07 26 18.8–3.1 54.53N 83.50E 0 2.7,2.5L
¶610652617
IDC Error ellipse: s-maj=22.4km s-min=13.3km az=148.0.
IDC IV 13 07 47 10.4–3.2 53.47N 87.93E 0 2.8,2.5L
¶610652619
IDC Error ellipse: s-maj=28.1km s-min=18.0km az=60.0.
IDC IV 13 08 14 32.6–3.6 54.09N 87.95E 0 2.6,2.1L
¶610652620
IDC Error ellipse: s-maj=33.9km s-min=21.3km az=41.0.
IDC IV 13 08 20 06.0–2.9 55.50N 86.33E 0 2.9,2.1L
¶610652621
IDC Error ellipse: s-maj=26.6km s-min=20.0km az=68.0.
IDC IV 13 10 01 00.8–2.9 54.41N 87.13E 0 2.9,2.6L
¶610652627
IDC Error ellipse: s-maj=23.7km s-min=17.6km az=59.0.
IDC IV 14 05 48 49.0–2.4 53.63N 86.88E 0 3.3,2.7L
¶610652686
IDC Error ellipse: s-maj=22.0km s-min=13.4km az=76.0.
IDC IV 14 06 05 27.8–2.7 54.14N 86.44E 0 2.9,2.7L
¶610652688
IDC Error ellipse: s-maj=22.2km s-min=13.5km az=55.0.
IDC IV 14 07 33 46.8–3.5 55.57N 86.27E 0 2.8,2.5L
¶610652695
IDC Error ellipse: s-maj=27.4km s-min=25.6km az=49.0.
IDC IV 14 08 25 17.1–3.3 53.51N 87.55E 0 2.8,2.3L
¶610652696
IDC Error ellipse: s-maj=32.0km s-min=16.7km az=52.0.
IDC IV 14 08 27 57.0–3.4 53.79N 88.21E 0 2.9,2.4L
¶610652697
IDC Error ellipse: s-maj=27.9km s-min=17.4km az=62.0.
IDC IV 14 08 56 44.6–2.9 54.22N 87.18E 0 2.8,2.6L
¶610652700
IDC Error ellipse: s-maj=25.0km s-min=15.9km az=66.0.
IDC IV 14 08 58 46.7–3.1 54.40N 86.91E 0 3.0,2.4L
¶610652702
IDC Error ellipse: s-maj=26.8km s-min=16.5km az=64.0.
IDC IV 14 09 22 32.5–3.1 54.35N 86.85E 0 2.9,2.5L
¶610652705
IDC Error ellipse: s-maj=25.7km s-min=16.0km az=61.0.
IDC IV 14 09 28 03.2–3.8 55.86N 86.20E 0 2.6,2.2L
¶610652706
IDC Error ellipse: s-maj=34.8km s-min=27.7km az=83.0.
IDC IV 14 09 50 19.4–2.4 54.27N 86.07E 0 3.2,2.9L
¶610652711
IDC Error ellipse: s-maj=18.8km s-min=11.4km az=51.0.
IDC IV 14 09 51 01.4–2.8 53.53N 87.56E 0 3.2,2.9L
¶610652714
IDC Error ellipse: s-maj=25.3km s-min=15.2km az=70.0.
IDC IV 18 08 51 31.1–3.5 53.73N 88.10E 0 3.1,2.5L
¶610652971
IDC Error ellipse: s-maj=31.8km s-min=19.6km az=48.0.
IDC IV 19 05 22 50.3–3.6 54.57N 87.30E 0 2.9,2.4L
¶610653028
IDC Error ellipse: s-maj=32.3km s-min=22.1km az=38.0.
IDC IV 19 05 34 24.0–3.3 54.41N 86.90E 0 2.7,2.5L
¶610653030
IDC Error ellipse: s-maj=28.8km s-min=20.2km az=50.0.
IDC IV 19 06 32 37.2–3.9 53.88N 88.34E 0 2.8,2.2L
¶610653032
IDC Error ellipse: s-maj=38.5km s-min=22.1km az=45.0.
IDC IV 19 06 35 13.8–2.7 54.14N 86.32E 0 2.6,2.3L
¶610653033
IDC Error ellipse: s-maj=20.6km s-min=12.3km az=60.0.
ISC IV 20 02 14 59.9–1.3 50.35N–.04 87.90E–.04 1–11 32 0-6
ASRS IV 20 02 15 00.9 50N–4.0 88E–4.0 10–12 3.5 **¶612037832**
NNC IV 20 02 15 02.0–1.7 50.43N 87.58E 0 3.7b,3.3
ISC Event type ke.
ASRS Event type ke. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/Beltir_Velocity_Model. manual. confirmed.
NNC Event type se. Error ellipse: s-maj=13.6km s-min=7.1km az=94.0.
IDC IV 20 07 07 46.0–2.7 53.54N 87.80E 0 3.2,3.0L
¶610653099
IDC Error ellipse: s-maj=22.9km s-min=15.3km az=62.0.
IDC IV 20 09 19 21.7–3.5 54.19N 87.33E 0 2.8,2.6L
¶610653106
IDC Error ellipse: s-maj=32.4km s-min=19.5km az=51.0.
IDC IV 21 05 10 33.8–3.2 54.31N 87.54E 0 2.9,2.7L
¶610653159

IDC Error ellipse: s-maj=26.7km s-min=17.9km az=45.0.
IDC IV 21 05 14 43.0–3.1 54.21N 87.39E 0 2.9,2.6L
¶610653160
IDC Error ellipse: s-maj=26.9km s-min=18.2km az=51.0.
IDC IV 21 05 36 24.0–2.8 53.64N 88.07E 0 3.0,2.7L
¶610653161
IDC Error ellipse: s-maj=23.7km s-min=16.2km az=59.0.
IDC IV 21 05 48 00.2–3.6 54.11N 87.23E 0 2.7,2.7L
¶610653162
IDC Error ellipse: s-maj=32.1km s-min=19.5km az=54.0.
IDC IV 21 06 13 50.0–3.1 54.24N 87.35E 0 2.8,2.5L
¶610653163
IDC Error ellipse: s-maj=26.2km s-min=17.6km az=56.0.
IDC IV 21 06 34 53.6–2.9 54.10N 86.64E 0 2.8,2.6L
¶610653164
IDC Error ellipse: s-maj=25.1km s-min=14.4km az=58.0.
IDC IV 21 06 50 25.1–3.3 53.80N 88.13E 0 3.0,2.9L
¶610653166
IDC Error ellipse: s-maj=32.3km s-min=19.9km az=42.0.
IDC IV 21 07 01 14.9–3.0 53.52N 87.69E 0 2.6,2.5L
¶610653169
IDC Error ellipse: s-maj=28.5km s-min=17.3km az=54.0.
IDC IV 21 07 28 30.4–3.5 54.61N 83.73E 0 2.6,2.4L
¶610653171
IDC Error ellipse: s-maj=23.4km s-min=13.8km az=152.0.
IDC IV 21 07 39 39.3–3.3 54.50N 83.49E 0 2.6L,2.5
¶610653173
IDC Error ellipse: s-maj=22.9km s-min=13.5km az=144.0.
IDC IV 21 07 50 11.8–3.1 53.58N 87.91E 0 2.6,2.3L
¶610653174
IDC Error ellipse: s-maj=26.9km s-min=18.0km az=61.0.
IDC IV 21 07 55 20.1–2.5 54.28N 86.27E 0 2.9,2.8L
¶610653175
IDC Error ellipse: s-maj=20.1km s-min=13.3km az=49.0.
IDC IV 21 08 22 44.8–3.4 55.47N 86.14E 0 2.8,2.7L
¶610653178
IDC Error ellipse: s-maj=26.9km s-min=24.8km az=31.0.
IDC IV 21 08 24 26.5–3.6 53.44N 87.56E 0 2.7,2.5L
¶610653179
IDC Error ellipse: s-maj=42.0km s-min=21.3km az=81.0.
IDC IV 21 08 29 28.9–2.7 54.29N 85.96E 0 2.8,2.5L
¶610653180
IDC Error ellipse: s-maj=19.3km s-min=10.6km az=55.0.
IDC IV 21 08 55 58.0–3.5 54.56N 86.31E 0 2.8,2.6L
¶610653182
IDC Error ellipse: s-maj=25.5km s-min=15.5km az=45.0.
IDC IV 21 09 00 21.4–3.4 53.48N 87.73E 0 2.6,2.2L
¶610653183
IDC Error ellipse: s-maj=31.2km s-min=17.7km az=61.0.
IDC IV 21 09 38 20.8–4.1 53.66N 87.99E 0 2.6,2.3L
¶610653186
IDC Error ellipse: s-maj=40.6km s-min=20.0km az=48.0.
ISC IV 21 22 02 49.2–.70 51.16N–.05 96.47E–.03 10 45 1-10
ASRS IV 21 22 02 42.5–.52 51N–4.0 96E–2.0 5 4.2 **¶610653224**
IDC IV 21 22 02 48.0–2.6 50.90N 96.33E 0 2.9,2.6L
ISC Event type ke.
ASRS Event type ke. Error ellipse: s-maj=9.9km s-min=2.6km az=14.5.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=61.2km s-min=18.2km az=9.0.
ISC IV 23 18 18 42.2–1.1 51.02N–.02 87.23E–.03 8–10 37 1-6
ASRS IV 23 18 18 42.0–.21 51.1N–.90 87E–2.0 10 3.3 **¶612038000**
NNC IV 23 18 18 45.9–3.0 51.12N 86.75E 0–19 3.5b,3.1
ISC Event type ke.
ASRS Event type ke. Error ellipse: s-maj=3.5km s-min=1.9km az=80.4.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NNC Event type se. Error ellipse: s-maj=22.1km s-min=10.9km az=97.0.
IDC IV 24 07 17 38.1–2.9 54.32N 86.97E 0 3.2,2.8L
¶610649866
IDC Error ellipse: s-maj=27.7km s-min=15.0km az=64.0.
IDC IV 24 07 32 19.0–2.6 54.35N 86.02E 0 3.2,2.8L
¶610649868
IDC Error ellipse: s-maj=20.2km s-min=13.6km az=40.0.
IDC IV 24 08 58 39.7–3.4 55.45N 86.41E 0 2.7,2.5L
¶610649872
IDC Error ellipse: s-maj=26.0km s-min=22.6km az=54.0.
IDC IV 24 09 32 57.8–2.5 54.30N 86.26E 0 3.1,2.8L
¶610649878
IDC Error ellipse: s-maj=19.7km s-min=12.6km az=50.0.
IDC IV 24 09 35 55.4–3.0 54.18N 87.04E 0 2.9,2.6L
¶610649879
IDC Error ellipse: s-maj=25.5km s-min=15.8km az=66.0.
IDC IV 25 06 34 59.0–2.7 54.16N 86.33E 0 2.7,2.4L
¶610649957
IDC Error ellipse: s-maj=20.8km s-min=12.3km az=60.0.
IDC IV 25 09 22 24.4–2.5 53.91N 86.52E 0 2.9,2.7L
¶610649972
IDC Error ellipse: s-maj=21.2km s-min=12.4km az=64.0.
IDC IV 25 09 25 19.5–3.2 53.53N 87.61E 0 3.0,2.7L
¶610649974
IDC Error ellipse: s-maj=26.8km s-min=14.6km az=64.0.
IDC IV 26 06 04 47.9–2.6 54.15N 86.34E 0 2.9,2.8L
¶610650034
IDC Error ellipse: s-maj=20.3km s-min=12.5km az=55.0.
IDC IV 26 08 03 22.6–3.5 54.21N 87.20E 0 2.8,2.4L
¶610650038
IDC Error ellipse: s-maj=32.6km s-min=20.9km az=52.0.
IDC IV 26 09 42 46.6–3.1 54.22N 87.59E 0 2.9,2.5L
¶610650046
IDC Error ellipse: s-maj=23.9km s-min=17.9km az=58.0.
IDC IV 27 05 42 14.5–3.1 54.43N 87.02E 0 2.8,2.4L
¶610650107
IDC Error ellipse: s-maj=27.2km s-min=19.0km az=53.0.
IDC IV 28 05 57 17.1–4.2 54.19N 87.53E 0 2.6,2.6L
¶610650197
IDC Error ellipse: s-maj=33.8km s-min=20.1km az=42.0.
IDC IV 28 06 05 02.6–2.5 54.27N 86.13E 0 3.1,2.9L
¶610650198
IDC Error ellipse: s-maj=18.9km s-min=11.8km az=52.0.
IDC IV 28 06 11 29.1–3.4 54.51N 86.92E 0 3.0,2.5L
¶610650199
IDC Error ellipse: s-maj=30.5km s-min=20.7km az=54.0.
IDC IV 28 07 02 21.7–3.2 53.51N 87.74E 0 3.0,2.8L
¶610650200
IDC Error ellipse: s-maj=31.4km s-min=17.1km az=50.0.
IDC IV 28 08 00 22.9–2.7 54.11N 86.72E 0 3.3,3.1L
¶610650202
IDC Error ellipse: s-maj=22.9km s-min=13.9km az=60.0.
IDC IV 28 08 01 25.8–2.9 53.69N 86.78E 0 3.0,2.5L
¶610650203
IDC Error ellipse: s-maj=25.5km s-min=15.0km az=72.0.
IDC IV 28 08 54 24.4–2.9 53.57N 87.83E 0 3.1,2.7L
¶610650205
IDC Error ellipse: s-maj=25.3km s-min=15.9km az=50.0.
ISC IV 28 08 58 41.8–4.0 54.4N–.20 87.3E–.20 10 6 2-8
IDC IV 28 08 58 41.9–3.0 54.25N 87.30E 0 3.3,3.0L **¶610650206**
ISC Event type ke.
IDC Error ellipse: s-maj=27.6km s-min=17.6km az=73.0.
IDC IV 28 09 24 23.2–3.0 53.57N 87.84E 0 3.0,2.7L
¶610650209
IDC Error ellipse: s-maj=24.4km s-min=15.4km az=61.0.
IDC IV 28 09 29 38.1–3.4 54.15N 87.30E 0 2.8,2.4L
¶610650210
IDC Error ellipse: s-maj=31.0km s-min=19.2km az=57.0.
IDC IV 29 06 28 35.7–2.9 53.48N 90.48E 0 3.0,2.5L
¶610650289
IDC Error ellipse: s-maj=31.9km s-min=22.3km az=20.0.
ISC IV 30 02 31 38.1–.89 50.13N–.03 87.67E–.04 10 35 0-6
ASRS IV 30 02 31 37.6–.36 50N–2.0 88E–2.0 7–2 3.5 **¶612038302**
NNC IV 30 02 31 40.9–1.2 50.14N 87.32E 0 3.7b,3.3
ISC Event type ke.
ASRS Event type ke. Error ellipse: s-maj=4.5km s-min=3.2km az=107.4.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/tab.
manual. confirmed.
NNC Event type se. Error ellipse: s-maj=9.3km s-min=5.6km az=74.0.
IDC V 02 06 35 41.9–2.8 54.52N 86.95E 0 3.2,2.9L
¶610689372
IDC Error ellipse: s-maj=23.7km s-min=18.2km az=44.0.
IDC V 02 06 58 15.8–2.8 54.12N 86.48E 0 3.0,2.8L
¶610689373
IDC Error ellipse: s-maj=21.7km s-min=13.9km az=55.0.
IDC V 03 06 05 22.4–3.2 54.11N 86.56E 0 3.1L,2.9
¶610689444
IDC Error ellipse: s-maj=23.5km s-min=13.2km az=62.0.
IDC V 03 06 25 20.0–3.0 54.18N 86.35E 0 2.6,2.3L
¶610689446
IDC Error ellipse: s-maj=23.0km s-min=13.2km az=62.0.
IDC V 03 06 33 54.6–3.8 53.74N 88.29E 0 2.7,1.9L
¶610689449
IDC Error ellipse: s-maj=37.1km s-min=21.3km az=50.0.
IDC V 03 06 35 20.6–2.4 54.26N 86.17E 0 3.3,3.1L
¶610689450
IDC Error ellipse: s-maj=18.8km s-min=11.8km az=52.0.
IDC V 03 08 33 18.1–3.7 54.15N 87.56E 0 2.5,2.3L
¶610689464
IDC Error ellipse: s-maj=32.2km s-min=19.7km az=46.0.
IDC V 03 08 38 51.1–2.9 53.92N 86.58E 0 2.8,2.6L
¶610689465
IDC Error ellipse: s-maj=23.1km s-min=13.5km az=66.0.
IDC V 03 09 15 58.4–3.6 53.66N 91.13E 0 2.9,2.4L
¶610689469
IDC Error ellipse: s-maj=28.4km s-min=25.2km az=65.0.
IDC V 03 09 31 58.2–2.7 53.54N 87.81E 0 3.1,2.9L
¶610689471
IDC Error ellipse: s-maj=24.5km s-min=16.9km az=50.0.
IDC V 03 09 54 37.7–3.5 54.28N 87.19E 0 2.9,2.5L
¶610689473
IDC Error ellipse: s-maj=32.3km s-min=20.0km az=57.0.
IDC V 05 04 14 57.2–3.5 54.56N 87.20E 0 3.1,2.7L
¶610689583
IDC Error ellipse: s-maj=31.7km s-min=21.8km az=38.0.
ISC V 05 05 29 21.8–.92 50.29N–.03 87.66E–.04 11–5 38 0-6
ASRS V 05 05 29 19.8 50N–1.0 88E–1.0 10–2 3.5 **¶612038525**
NNC V 05 05 29 22.9–4.1 50.34N 87.43E 0–20 3.9b,3.5
ISC Event type ke.
ASRS Event type ke. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID
smi:org.gfz-potsdam.de/geofon/Beltir_Velocity_Model. manual. confirmed.
NNC Event type se. Error ellipse: s-maj=28.2km s-min=16.1km az=73.0.
IDC V 05 06 24 22.9–3.3 53.78N 88.20E 0 2.6,2.1L
¶610689588
IDC Error ellipse: s-maj=29.0km s-min=19.9km az=52.0.
IDC V 05 09 56 57.6–3.1 53.49N 87.45E 0 3.1,2.7L
¶610689604
IDC Error ellipse: s-maj=26.4km s-min=16.0km az=66.0.
IDC V 10 04 34 19.2–3.3 53.70N 88.05E 0 3.0,2.5L
¶610689935
IDC Error ellipse: s-maj=28.9km s-min=17.0km az=66.0.
IDC V 10 05 25 20.5–3.1 54.35N 86.79E 0 3.0,2.6L
¶610689941
IDC Error ellipse: s-maj=26.7km s-min=17.2km az=54.0.
IDC V 10 05 34 38.8–2.7 53.58N 86.88E 0 2.9,2.5L
¶610689942
IDC Error ellipse: s-maj=25.0km s-min=12.8km az=78.0.
IDC V 10 06 45 53.6–3.8 53.81N 88.23E 0 2.7,2.2L
¶610689945
IDC Error ellipse: s-maj=36.6km s-min=21.1km az=47.0.
IDC V 10 07 33 05.3–2.9 53.72N 86.98E 0 2.9,2.6L
¶610689949
IDC Error ellipse: s-maj=29.1km s-min=16.7km az=67.0.
IDC V 10 08 04 31.3–3.6 53.46N 87.49E 0 2.6,2.2L
¶610689951
IDC Error ellipse: s-maj=35.4km s-min=17.9km az=58.0.
IDC V 10 08 50 21.2–3.1 54.20N 87.26E 0 2.7,2.3L
¶610689957
IDC Error ellipse: s-maj=25.1km s-min=19.7km az=52.0.
IDC V 10 10 16 24.5–3.6 53.44N 90.60E 0 2.8,2.3L
¶610689961
IDC Error ellipse: s-maj=29.1km s-min=23.6km az=65.0.
IDC V 11 06 05 15.9–2.7 54.14N 86.47E 0 2.8,2.5L
¶610690022
IDC Error ellipse: s-maj=21.4km s-min=13.5km az=55.0.
IDC V 11 09 11 28.4–3.3 54.26N 87.20E 0 2.9,2.5L
¶610690031
IDC Error ellipse: s-maj=30.1km s-min=18.0km az=63.0.
IDC V 11 09 46 01.0–3.1 53.62N 87.89E 0 2.8,2.5L
¶610690034
IDC Error ellipse: s-maj=28.2km s-min=17.7km az=53.0.
IDC V 11 09 51 04.8–3.2 53.67N 87.91E 0 2.8,2.4L
¶610690035
IDC Error ellipse: s-maj=27.7km s-min=18.4km az=56.0.
IDC V 11 09 55 54.7–4.0 54.19N 87.19E 0 2.7,2.1L
¶610690036
IDC Error ellipse: s-maj=42.2km s-min=22.3km az=77.0.
IDC V 11 10 03 54.8–1.5 54.64N 83.75E 0 3.0,2.4L
¶610690037
IDC Error ellipse: s-maj=14.4km s-min=9.6km az=10.0.
IDC V 12 06 52 44.9–3.6 53.83N 88.22E 0 2.8,2.3L
¶610690103
IDC Error ellipse: s-maj=36.1km s-min=20.6km az=47.0.
IDC V 12 08 47 14.0–3.1 54.24N 87.29E 0 2.8,2.5L
¶610690110
IDC Error ellipse: s-maj=25.0km s-min=18.7km az=61.0.
IDC V 12 08 55 05.1–4.2 53.81N 88.17E 0 2.8,2.5L
¶610690112
IDC Error ellipse: s-maj=40.8km s-min=21.2km az=45.0.
IDC V 12 08 58 57.9–3.0 54.06N 86.40E 0 2.9,2.5L
¶610690114
IDC Error ellipse: s-maj=23.8km s-min=14.0km az=65.0.
IDC V 12 09 18 00.6–2.5 53.62N 86.85E 0 3.0,2.5L
¶610690115
IDC Error ellipse: s-maj=22.9km s-min=14.4km az=73.0.
IDC V 12 09 26 37.3–3.6 53.53N 88.02E 0 2.7,2.4L
¶610690117
IDC Error ellipse: s-maj=35.8km s-min=19.6km az=53.0.
IDC V 12 09 34 16.3–2.8 53.63N 87.10E 0 2.7,2.4L
¶610690119
IDC Error ellipse: s-maj=25.7km s-min=17.1km az=76.0.
IDC V 12 09 36 23.2–3.3 53.51N 87.56E 0 3.0,2.5L
¶610690120
IDC Error ellipse: s-maj=29.9km s-min=17.1km az=55.0.
IDC V 12 09 41 18.3–3.7 55.56N 86.27E 0 2.9,2.7L

¶610690121
IDC Error ellipse: s-maj=30.8km s-min=27.6km az=51.0.
IDC V 15 04 15 34.5–2.8 55.39N 86.10E 0 3.1,2.5L

¶610690313
IDC Error ellipse: s-maj=25.6km s-min=17.6km az=63.0.
IDC V 15 05 57 07.8–2.5 53.75N 86.91E 0 3.1,2.5L

¶610690317
IDC Error ellipse: s-maj=22.8km s-min=12.8km az=74.0.
IDC V 15 06 04 31.5–2.7 54.15N 86.43E 0 3.0,2.7L

¶610690318
IDC Error ellipse: s-maj=21.9km s-min=13.0km az=56.0.
IDC V 15 06 56 46.9–3.5 54.26N 87.25E 0 2.7,2.4L

¶610690321
IDC Error ellipse: s-maj=31.3km s-min=20.0km az=52.0.
IDC V 15 08 45 18.4–3.5 53.61N 87.65E 0 2.7,2.4L

¶610690329
IDC Error ellipse: s-maj=33.2km s-min=17.1km az=48.0.
ISC V 15 09 09 10.9–.89 51.47N–.04 93.69E–.04 10 40 1-14
NNC V 15 09 09 10.5–1.8 51.89N 93.60E 0 3.4b,3.0 ¶610690331
ASRS V 15 09 09 12.3–.20 52N–2.0 93.7E–.90 5 4.0,3.0
IDC V 15 09 09 14.1–2.1 51.15N 93.85E 0 3.3,2.8L
ISC Event type ke.
NNC Event type se. Error ellipse: s-maj=14.3km s-min=10.1km az=94.0.
ASRS Event type ke. Error ellipse: s-maj=3.4km s-min=2.0km az=0.3. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/tab. manual. confirmed.
IDC Error ellipse: s-maj=26.7km s-min=18.1km az=7.0.
IDC V 15 22 04 55.5–311 59.83N 76.31E 0

¶610690360
IDC Error ellipse: s-maj=136.1km s-min=123.0km az=54.0.
IDC V 16 05 30 51.4–3.5 54.36N 87.68E 0 2.6,2.5L

¶610690387
IDC Error ellipse: s-maj=32.6km s-min=22.1km az=37.0.
IDC V 16 06 05 19.0–3.5 54.15N 86.55E 0 2.9,2.9L

¶610690389
IDC Error ellipse: s-maj=26.0km s-min=14.9km az=58.0.
IDC V 16 06 45 40.7–2.5 53.66N 87.04E 0 2.8,2.6L

¶610690393
IDC Error ellipse: s-maj=23.7km s-min=15.0km az=71.0.
IDC V 16 06 50 53.3–3.9 54.31N 87.40E 0 2.8,2.6L

¶610690394
IDC Error ellipse: s-maj=30.7km s-min=19.3km az=50.0.
IDC V 16 07 38 26.2–2.8 54.31N 85.96E 0 2.7,2.5L

¶610690396
IDC Error ellipse: s-maj=19.9km s-min=12.1km az=52.0.
IDC V 16 07 46 45.4–3.2 54.40N 87.03E 0 2.8,2.5L

¶610690398
IDC Error ellipse: s-maj=27.5km s-min=20.0km az=54.0.
IDC V 16 07 55 16.4–3.1 53.48N 87.62E 0 2.6,2.3L

¶610690400
IDC Error ellipse: s-maj=28.1km s-min=17.7km az=61.0.
IDC V 16 08 59 52.6–3.4 53.50N 87.24E 0 2.6,2.4L

¶610690404
IDC Error ellipse: s-maj=33.6km s-min=18.1km az=63.0.
IDC V 16 09 23 29.7–3.5 54.19N 87.37E 0 2.5,2.3L

¶610690406
IDC Error ellipse: s-maj=31.6km s-min=19.1km az=58.0.
IDC V 16 09 52 47.3–2.3 53.69N 86.74E 0 3.0,2.4L

¶610690407
IDC Error ellipse: s-maj=19.8km s-min=11.6km az=75.0.
ISC V 17 07 20 38.5–1.7 54.5N–.10 83.38E–.06 10 10 1-8
NNC V 17 07 20 37.9–6.6 55.52N 80.44E 0 3.5b,3.1 ¶610690471
IDC V 17 07 20 38.7–1.3 54.50N 83.56E 0 3.3,2.8L
ISC Event type ke.
NNC Event type se. Error ellipse: s-maj=50.4km s-min=23.6km az=45.0.
IDC Error ellipse: s-maj=12.5km s-min=8.9km az=6.0.
IDC V 17 09 37 48.2–3.5 54.51N 87.25E 0 2.9,2.7L

¶610690477
IDC Error ellipse: s-maj=29.4km s-min=20.7km az=41.0.
IDC V 17 09 53 54.5–2.9 53.56N 87.90E 0 2.9,2.6L

¶610690478
IDC Error ellipse: s-maj=24.2km s-min=16.4km az=57.0.
IDC V 18 06 33 42.0–4.0 53.77N 88.15E 0 2.9,2.5L

¶610690552
IDC Error ellipse: s-maj=39.3km s-min=20.1km az=45.0.
IDC V 18 06 35 11.8–2.9 54.18N 86.36E 0 2.7,2.6L

¶610690553
IDC Error ellipse: s-maj=21.7km s-min=13.2km az=61.0.
IDC V 18 07 11 15.2–2.7 53.56N 87.78E 0 2.9,2.6L

¶610690555
IDC Error ellipse: s-maj=23.9km s-min=15.6km az=54.0.
IDC V 18 07 22 59.8–3.4 54.14N 87.41E 0 2.8,2.5L

¶610690556
IDC Error ellipse: s-maj=27.2km s-min=17.4km az=60.0.
IDC V 18 08 54 37.0–3.3 53.53N 88.08E 0 2.5,2.4L

¶610690574
IDC Error ellipse: s-maj=29.6km s-min=19.0km az=55.0.
IDC V 18 08 57 48.1–2.8 54.06N 87.03E 0 2.8,2.5L

¶610690575
IDC Error ellipse: s-maj=23.0km s-min=15.7km az=63.0.
IDC V 18 09 23 15.3–3.0 54.24N 87.19E 0 3.0,2.8L

¶610690578
IDC Error ellipse: s-maj=26.9km s-min=18.2km az=56.0.
IDC V 18 09 27 18.4–3.2 54.27N 87.24E 0 2.7,2.5L

¶610690579
IDC Error ellipse: s-maj=25.0km s-min=17.6km az=63.0.
IDC V 18 09 31 30.0–3.0 54.35N 86.49E 0 2.8,2.6L

¶610690580
IDC Error ellipse: s-maj=22.9km s-min=13.5km az=56.0.
IDC V 18 09 52 33.2–3.1 53.53N 87.73E 0 2.9,2.5L

¶610690581
IDC Error ellipse: s-maj=25.2km s-min=16.7km az=59.0.
IDC V 18 09 58 59.1–3.0 54.22N 87.09E 0 2.9,2.7L

¶610690583
IDC Error ellipse: s-maj=25.5km s-min=16.7km az=63.0.
IDC V 18 10 00 08.2–3.9 53.68N 87.94E 0 2.8,2.5L

¶610690584
IDC Error ellipse: s-maj=37.4km s-min=19.2km az=48.0.
IDC V 19 07 04 27.0–3.2 53.72N 86.88E 0 2.6,2.6L

¶610690649
IDC Error ellipse: s-maj=26.7km s-min=15.8km az=73.0.
IDC V 19 07 34 49.3–2.9 53.93N 86.50E 0 2.6,2.4L

¶610690651
IDC Error ellipse: s-maj=23.2km s-min=14.1km az=64.0.
IDC V 19 07 50 29.3–3.8 55.78N 86.23E 0 2.8,2.2L

¶610690653
IDC Error ellipse: s-maj=33.8km s-min=29.0km az=44.0.
IDC V 19 07 51 07.2–2.8 53.73N 86.98E 0 3.0,2.6L

¶610690654
IDC Error ellipse: s-maj=26.8km s-min=16.7km az=60.0.
ISC V 19 08 10 40.1–3.6 53.7N–.10 85.8E–.20 10 8 1-17
IDC V 19 08 10 26.6–3.1 54.25N 86.99E 0 3.1,2.9L ¶610690655
ISC Event type ke.
IDC Error ellipse: s-maj=29.3km s-min=17.7km az=60.0.
IDC V 19 08 30 43.8–3.4 54.16N 87.21E 0 2.6,2.4L

¶610690657
IDC Error ellipse: s-maj=31.7km s-min=19.5km az=59.0.
IDC V 19 08 46 13.3–2.7 53.65N 86.79E 0 2.5,2.2L

¶610690658
IDC Error ellipse: s-maj=24.0km s-min=14.6km az=68.0.
IDC V 19 08 47 17.7–3.3 53.73N 88.08E 0 3.0,2.6L

¶610690659
IDC Error ellipse: s-maj=29.7km s-min=18.4km az=50.0.
IDC V 19 08 50 18.8–3.4 53.53N 87.59E 0 2.7,2.3L

¶610690660
IDC Error ellipse: s-maj=29.2km s-min=17.3km az=60.0.
IDC V 19 08 55 13.9–3.5 54.13N 87.50E 0 2.7,2.5L

¶610690661
IDC Error ellipse: s-maj=30.2km s-min=20.1km az=46.0.
IDC V 19 09 04 11.0–3.9 53.71N 90.99E 0 3.0,2.9L

¶610690662
IDC Error ellipse: s-maj=36.0km s-min=25.1km az=31.0.
IDC V 19 09 16 28.0–2.8 53.74N 86.91E 0 3.0,2.7L

¶610690664
IDC Error ellipse: s-maj=23.8km s-min=14.5km az=77.0.
IDC V 22 05 59 52.8–3.9 53.57N 87.81E 0 2.9,2.4L

¶610685132
IDC Error ellipse: s-maj=33.8km s-min=17.9km az=57.0.
IDC V 22 06 01 48.0–2.8 53.70N 86.76E 0 2.8,2.3L

¶610685133
IDC Error ellipse: s-maj=23.8km s-min=14.5km az=73.0.
IDC V 22 06 21 00.8–4.0 53.72N 88.29E 0 2.4,1.8L

¶610685137
IDC Error ellipse: s-maj=37.5km s-min=21.3km az=50.0.
IDC V 22 06 52 31.6–3.5 54.14N 86.53E 0 2.7,2.6L

¶610685139
IDC Error ellipse: s-maj=24.8km s-min=13.5km az=64.0.
IDC V 22 06 59 39.6–3.5 55.62N 86.21E 0 2.7,2.1L

¶610685140
IDC Error ellipse: s-maj=27.4km s-min=26.4km az=33.0.
IDC V 22 07 13 47.1–3.7 54.13N 87.31E 0 2.6,2.4L

¶610685143
IDC Error ellipse: s-maj=31.6km s-min=19.8km az=51.0.
IDC V 22 07 19 42.4–4.4 54.24N 87.50E 0 2.8L,2.5

¶610685144
IDC Error ellipse: s-maj=36.2km s-min=21.2km az=39.0.
IDC V 22 07 25 40.1–3.6 53.56N 87.32E 0 2.7,2.6L

¶610685145
IDC Error ellipse: s-maj=31.4km s-min=17.0km az=63.0.
IDC V 22 07 29 01.0–3.9 54.17N 87.39E 0 2.7,2.6L

¶610685146
IDC Error ellipse: s-maj=31.2km s-min=19.4km az=53.0.
IDC V 22 07 43 34.6–3.4 55.49N 86.22E 0 2.8,2.4L

¶610685148
IDC Error ellipse: s-maj=27.4km s-min=25.7km az=35.0.
IDC V 22 07 55 16.0–3.6 53.51N 87.39E 0 2.6,2.2L

¶610685149
IDC Error ellipse: s-maj=34.8km s-min=17.9km az=58.0.
IDC V 22 08 39 24.6–2.6 54.24N 87.36E 0 3.4,2.8L

¶610685151
IDC Error ellipse: s-maj=21.8km s-min=14.6km az=59.0.
IDC V 23 07 05 09.3–3.8 54.23N 86.64E 0 2.7,2.6L

¶610685203
IDC Error ellipse: s-maj=27.4km s-min=14.7km az=60.0.
ASRS V 23 08 25 33.9–.78 55N–3.0 86E–2.0 0 3.3

¶610685205
ASRS Event type ke. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC V 23 08 55 23.0–3.0 53.58N 87.95E 0 2.9,2.6L

¶610685208
IDC Error ellipse: s-maj=24.5km s-min=18.2km az=59.0.
IDC V 24 06 47 30.5–3.6 53.58N 87.88E 0 3.0,2.6L

¶610685279
IDC Error ellipse: s-maj=34.9km s-min=19.4km az=52.0.
IDC V 24 07 00 09.2–3.5 53.78N 88.13E 0 2.8,2.5L

¶610685280
IDC Error ellipse: s-maj=33.4km s-min=20.7km az=41.0.
IDC V 24 08 31 34.8–2.3 54.32N 85.98E 0 3.3,3.0L

¶610685283
IDC Error ellipse: s-maj=17.7km s-min=10.6km az=51.0.
IDC V 24 08 33 33.2–3.5 54.23N 87.18E 0 2.6,2.3L

¶610685284
IDC Error ellipse: s-maj=32.2km s-min=19.8km az=58.0.
IDC V 25 05 20 17.6–3.4 54.25N 87.29E 0 3.2,2.6L

¶610685335
IDC Error ellipse: s-maj=28.7km s-min=17.3km az=63.0.
IDC V 25 06 38 46.4–3.1 54.22N 87.11E 0 2.7,2.4L

¶610685339
IDC Error ellipse: s-maj=27.1km s-min=19.0km az=61.0.
IDC V 25 06 45 08.4–3.3 55.63N 86.05E 0 2.8,2.5L

¶610685340
IDC Error ellipse: s-maj=26.8km s-min=24.6km az=45.0.
IDC V 25 08 12 51.9–4.1 55.41N 86.19E 0 2.8,2.7L

¶610685347
IDC Error ellipse: s-maj=30.4km s-min=26.1km az=21.0.
IDC V 25 08 36 19.8–2.5 53.66N 86.88E 0 2.7,2.5L

¶610685348
IDC Error ellipse: s-maj=22.9km s-min=13.9km az=71.0.
IDC V 25 08 40 47.8–2.6 53.64N 86.86E 0 2.8,2.3L

¶610685349
IDC Error ellipse: s-maj=23.2km s-min=14.1km az=72.0.
IDC V 25 08 45 22.0–2.5 53.65N 86.82E 0 2.8,2.7L

¶610685351
IDC Error ellipse: s-maj=22.5km s-min=13.4km az=70.0.
IDC V 25 09 19 22.0–3.0 53.57N 87.90E 0 2.9,2.6L

¶610685354
IDC Error ellipse: s-maj=26.4km s-min=16.0km az=63.0.
IDC V 26 08 14 07.5–2.4 54.06N 86.56E 0 3.4,3.0L

¶610685419
IDC Error ellipse: s-maj=19.1km s-min=11.7km az=63.0.
IDC V 26 08 29 37.4–3.2 54.23N 87.35E 0 2.7,2.4L

¶610685420
IDC Error ellipse: s-maj=26.1km s-min=16.2km az=64.0.
IDC V 26 08 38 45.7–3.5 54.17N 87.27E 0 2.7,2.4L

¶610685423
IDC Error ellipse: s-maj=31.5km s-min=20.0km az=52.0.
ISC V 26 21 02 29.3–.75 50.50N–.03 87.44E–.04 10 53 0-6
ASRS V 26 21 02 29.0 50N–2.0 88E–2.0 10–3 3.7 ¶612039557
NNC V 26 21 02 30.8–1.6 50.60N 87.16E 0 3.7b,3.3
ISC Event type ke.
ASRS Event type ke. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/Beltir_Velocity_Model. manual. confirmed.
NNC Event type se. Error ellipse: s-maj=15.9km s-min=7.2km az=102.0.
IDC V 29 01 49 30.1–1.5 53.14N 85.38E 0 3.0,2.4L

¶610685580
IDC Error ellipse: s-maj=14.8km s-min=9.3km az=96.0.
IDC V 29 05 19 28.4–4.1 54.49N 87.33E 0 2.6,2.5L

¶610685589
IDC Error ellipse: s-maj=33.7km s-min=22.8km az=37.0.
IDC V 29 05 36 06.0–3.2 53.81N 87.09E 0 2.7,2.7L

¶610685591
IDC Error ellipse: s-maj=28.9km s-min=17.7km az=65.0.
IDC V 29 06 30 25.5–4.0 54.33N 87.72E 0 2.7,2.7L

¶610685593
IDC Error ellipse: s-maj=35.0km s-min=22.8km az=34.0.
IDC V 29 07 45 11.1–3.7 53.83N 88.12E 0 2.8L,2.6

¶610685597
IDC Error ellipse: s-maj=34.9km s-min=19.8km az=47.0.
IDC V 29 09 52 08.0–3.7 55.92N 86.32E 0 3.0,2.6L

¶610685605
IDC Error ellipse: s-maj=33.2km s-min=27.2km az=67.0.
IDC V 29 09 53 27.8–3.5 53.63N 87.91E 0 2.9,2.5L

¶610685606
IDC Error ellipse: s-maj=31.8km s-min=18.0km az=56.0.
IDC V 30 06 48 33.0–3.2 54.43N 86.78E 0 3.0,2.7L
¶610685698
IDC Error ellipse: s-maj=27.2km s-min=17.8km az=49.0.
IDC V 30 07 02 06.2–3.3 53.73N 88.03E 0 3.1,2.7L
¶610685700
IDC Error ellipse: s-maj=30.7km s-min=18.1km az=47.0.
IDC V 30 07 58 41.1–3.7 55.51N 86.16E 0 2.9,2.6L
¶610685705
IDC Error ellipse: s-maj=28.6km s-min=25.8km az=23.0.
IDC V 30 09 58 33.2–3.0 53.52N 87.57E 0 3.0,2.7L
¶610685714
IDC Error ellipse: s-maj=27.3km s-min=15.3km az=57.0.
IDC V 31 06 14 26.5–3.0 53.51N 87.72E 0 2.6,2.4L
¶610685768
IDC Error ellipse: s-maj=27.2km s-min=17.4km az=61.0.
IDC V 31 06 50 31.8–2.9 53.73N 87.01E 0 2.7,2.3L
¶610685770
IDC Error ellipse: s-maj=28.1km s-min=16.4km az=67.0.
IDC V 31 07 05 07.2–3.0 54.13N 86.43E 0 3.0,2.3L
¶610685772
IDC Error ellipse: s-maj=23.3km s-min=13.9km az=61.0.
IDC V 31 07 11 51.5–3.1 55.55N 86.21E 0 3.0,2.7L
¶610685773
IDC Error ellipse: s-maj=26.2km s-min=25.5km az=16.0.
IDC V 31 07 44 38.6–4.1 54.21N 87.48E 0 2.8,2.7L
¶610685777
IDC Error ellipse: s-maj=33.6km s-min=20.2km az=44.0.
IDC V 31 07 50 25.0–3.7 54.34N 87.44E 0 2.8,2.4L
¶610656258
IDC Error ellipse: s-maj=33.3km s-min=21.2km az=40.0.
IDC V 31 09 54 10.2–3.6 53.59N 87.98E 0 2.5,2.3L
¶610685787
IDC Error ellipse: s-maj=31.1km s-min=18.6km az=59.0.
ISC V 31 15 56 15.0–.75 51.68N–.04 96.22E–.03 10 42 1-16
ASRS V 31 15 56 07.2–.26 52N–2.0 96E–2.0 5 4.0 **¶610685803**
IDC V 31 15 56 14.3–2.3 51.51N 96.21E 0 3.1,2.5L
ISC Event type ke.
ASRS Event type ke. Error ellipse: s-maj=4.5km s-min=2.5km az=32.4.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=43.5km s-min=19.4km az=14.0.
IDC VI 01 06 19 16.0–4.0 54.27N 87.36E 0 2.6,2.6L
¶610791040
IDC Error ellipse: s-maj=31.7km s-min=20.2km az=49.0.
IDC VI 01 06 24 48.5–3.8 53.84N 88.15E 0 2.6,2.5L
¶610791019
IDC Error ellipse: s-maj=31.0km s-min=18.4km az=60.0.
IDC VI 01 07 03 09.4–2.3 54.52N 83.55E 0 2.4,2.2L
¶610791021
IDC Error ellipse: s-maj=18.5km s-min=11.5km az=163.0.
IDC VI 01 08 52 32.5–3.2 53.66N 87.98E 0 2.9,2.7L
¶610791046
IDC Error ellipse: s-maj=27.1km s-min=17.1km az=65.0.
IDC VI 01 09 17 03.9–3.7 53.59N 87.96E 0 2.5,2.5L
¶610791048
IDC Error ellipse: s-maj=32.8km s-min=19.0km az=56.0.
IDC VI 02 07 17 53.5–3.6 54.50N 87.21E 0 2.7,2.4L
¶610791080
IDC Error ellipse: s-maj=31.3km s-min=19.8km az=50.0.
IDC VI 02 07 23 36.0–2.9 54.12N 86.50E 0 2.6,2.4L
¶610791081
IDC Error ellipse: s-maj=23.8km s-min=13.9km az=60.0.
IDC VI 02 07 52 15.9–2.9 54.23N 87.05E 0 3.0,2.6L
¶610791082
IDC Error ellipse: s-maj=23.8km s-min=16.3km az=67.0.
IDC VI 02 07 55 51.8–3.0 53.47N 87.59E 0 3.0,2.5L
¶610791083
IDC Error ellipse: s-maj=27.9km s-min=15.5km az=57.0.
IDC VI 02 08 40 37.3–3.1 53.55N 87.81E 0 2.9,2.7L
¶610791085
IDC Error ellipse: s-maj=27.7km s-min=16.7km az=57.0.
IDC VI 02 09 28 21.5–2.3 54.65N 83.78E 0 2.7,2.5L
¶610791087
IDC Error ellipse: s-maj=18.2km s-min=11.0km az=170.0.
IDC VI 02 09 29 49.6–3.1 53.44N 87.82E 0 3.0,2.7L
¶610791088
IDC Error ellipse: s-maj=29.6km s-min=17.6km az=54.0.
IDC VI 02 09 46 11.1–2.9 53.58N 87.83E 0 3.0,2.7L
¶610791091
IDC Error ellipse: s-maj=25.4km s-min=16.8km az=53.0.
IDC VI 03 06 39 56.5–6.0 51.51N 91.46E 0 2.4,2.1L
¶610791156
IDC Error ellipse: s-maj=55.2km s-min=27.7km az=73.0.
IDC VI 03 06 56 46.9–5.9 53.50N 90.62E 0 2.5,2.2L
¶610791157
IDC Error ellipse: s-maj=59.4km s-min=29.4km az=47.0.
IDC VI 05 05 48 20.4–2.7 53.67N 86.74E 0 2.7,2.4L
¶610791268
IDC Error ellipse: s-maj=25.1km s-min=14.2km az=67.0.
IDC VI 05 08 21 03.5–2.9 53.59N 87.37E 0 3.0,2.6L
¶610791271
IDC Error ellipse: s-maj=27.6km s-min=15.7km az=56.0.
ISC VI 05 08 21 38.3–1.3 50.11N–.04 87.90E–.08 10 18 0-5
ASRS VI 05 08 21 36.2–.65 50N–2.0 88E–4.0 10 3.0 **¶612088612**
ISC Event type ke.
ASRS Event type ke. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC VI 05 08 55 31.5–3.5 54.13N 87.43E 0 2.8,2.4L
¶610791273
IDC Error ellipse: s-maj=31.9km s-min=18.8km az=47.0.
IDC VI 05 09 03 21.2–3.0 54.60N 87.24E 0 3.1,2.8L
¶610791275
IDC Error ellipse: s-maj=23.1km s-min=18.0km az=47.0.
IDC VI 05 09 47 13.4–3.6 54.22N 87.59E 0 2.8,2.7L
¶610791276
IDC Error ellipse: s-maj=30.2km s-min=20.6km az=39.0.
IDC VI 06 05 25 23.3–3.0 54.16N 86.41E 0 3.0L,2.8
¶610791320
IDC Error ellipse: s-maj=22.3km s-min=13.1km az=56.0.
IDC VI 06 06 55 22.3–2.4 54.28N 86.13E 0 3.2,2.8L
¶610791326
IDC Error ellipse: s-maj=19.1km s-min=13.4km az=42.0.
IDC VI 06 07 14 36.4–2.6 53.70N 87.06E 0 2.9,2.5L
¶610791327
IDC Error ellipse: s-maj=24.3km s-min=15.5km az=70.0.
IDC VI 06 08 06 51.6–3.6 53.56N 87.95E 0 2.8,2.4L
¶610791329
IDC Error ellipse: s-maj=34.8km s-min=19.3km az=53.0.
IDC VI 06 08 08 05.5–3.1 54.57N 87.14E 0 3.0,2.6L
¶610791330
IDC Error ellipse: s-maj=25.8km s-min=18.6km az=57.0.
IDC VI 06 08 36 34.5–3.8 53.53N 87.41E 0 2.6,2.6L
¶610791333
IDC Error ellipse: s-maj=35.5km s-min=17.9km az=55.0.
IDC VI 06 08 53 11.3–3.8 54.23N 87.47E 0 2.6,2.4L
¶610791336
IDC Error ellipse: s-maj=33.6km s-min=20.7km az=44.0.
IDC VI 06 08 59 14.3–3.2 53.49N 88.10E 0 2.9,2.4L
¶610791338

IDC Error ellipse: s-maj=29.3km s-min=18.5km az=57.0.
IDC VI 07 04 19 49.3–2.9 55.38N 86.17E 0 3.0,2.4L
¶610791374
IDC Error ellipse: s-maj=24.1km s-min=16.0km az=50.0.
IDC VI 07 07 22 27.0–2.8 55.54N 86.28E 0 3.1,2.6L
¶610791386
IDC Error ellipse: s-maj=26.7km s-min=20.0km az=68.0.
IDC VI 07 07 51 47.9–2.3 54.02N 86.47E 0 3.2,2.8L
¶610791389
IDC Error ellipse: s-maj=19.1km s-min=11.2km az=64.0.
IDC VI 07 08 49 47.0–2.9 54.31N 86.87E 0 3.1,2.6L
¶610791394
IDC Error ellipse: s-maj=24.5km s-min=15.2km az=59.0.
IDC VI 07 08 54 48.3–3.3 54.34N 86.96E 0 3.0,2.6L
¶610791395
IDC Error ellipse: s-maj=28.5km s-min=16.6km az=64.0.
IDC VI 07 09 59 10.8–3.4 55.49N 86.28E 0 2.8,2.4L
¶610791401
IDC Error ellipse: s-maj=27.0km s-min=25.5km az=28.0.
IDC VI 08 06 56 04.5–2.6 54.09N 86.48E 0 3.0,2.6L
¶610791446
IDC Error ellipse: s-maj=20.9km s-min=13.5km az=57.0.
IDC VI 08 08 16 57.0–3.4 54.31N 86.85E 0 2.8,2.4L
¶610791452
IDC Error ellipse: s-maj=29.0km s-min=19.1km az=54.0.
IDC VI 08 09 23 25.2–3.5 53.68N 87.90E 0 2.8,2.3L
¶610791454
IDC Error ellipse: s-maj=29.6km s-min=18.2km az=53.0.
IDC VI 08 09 28 39.1–3.5 54.34N 87.05E 0 2.7,2.3L
¶610791456
IDC Error ellipse: s-maj=31.0km s-min=18.4km az=62.0.
IDC VI 08 09 48 56.4–3.9 53.71N 88.02E 0 2.7,2.2L
¶610791460
IDC Error ellipse: s-maj=38.0km s-min=19.3km az=47.0.
IDC VI 08 09 50 53.4–3.3 54.15N 87.19E 0 2.9,2.4L
¶610791461
IDC Error ellipse: s-maj=30.6km s-min=18.9km az=64.0.
IDC VI 09 06 26 27.4–2.9 54.15N 86.48E 0 3.0,2.7L
¶610791505
IDC Error ellipse: s-maj=23.7km s-min=14.4km az=55.0.
IDC VI 09 06 30 52.8–2.5 54.07N 86.48E 0 3.3,3.0L
¶610791506
IDC Error ellipse: s-maj=19.7km s-min=12.7km az=52.0.
IDC VI 09 06 35 39.2–2.5 54.21N 86.36E 0 3.0,2.9L
¶610791507
IDC Error ellipse: s-maj=19.6km s-min=12.3km az=55.0.
IDC VI 09 07 55 30.3–3.6 53.42N 87.75E 0 2.7,2.2L
¶610791514
IDC Error ellipse: s-maj=36.7km s-min=19.3km az=56.0.
IDC VI 09 07 58 13.4–3.0 54.47N 86.99E 0 3.0,2.7L
¶610791515
IDC Error ellipse: s-maj=26.9km s-min=19.4km az=50.0.
IDC VI 09 08 06 19.8–4.2 54.33N 87.60E 0 2.9,2.3L
¶610791516
IDC Error ellipse: s-maj=30.3km s-min=18.4km az=50.0.
IDC VI 09 08 16 35.9–3.8 55.74N 85.95E 0 2.7,2.5L
¶610791517
IDC Error ellipse: s-maj=33.5km s-min=29.2km az=50.0.
IDC VI 09 08 18 07.7–2.9 53.69N 86.97E 0 2.6,2.2L
¶610791518
IDC Error ellipse: s-maj=25.2km s-min=16.0km az=73.0.
IDC VI 09 08 20 56.6–3.8 54.26N 87.62E 0 2.5,2.2L
¶610791519
IDC Error ellipse: s-maj=33.7km s-min=20.7km az=39.0.
IDC VI 09 08 25 49.4–1.7 54.63N 83.76E 0 2.8,2.4L
¶610791520
IDC Error ellipse: s-maj=15.3km s-min=10.0km az=9.0.
IDC VI 09 08 51 03.4–2.8 53.75N 86.89E 0 3.0,2.8L
¶610791522
IDC Error ellipse: s-maj=26.9km s-min=15.0km az=65.0.
IDC VI 09 09 13 43.2–3.6 54.22N 87.58E 0 2.9,2.7L
¶610791523
IDC Error ellipse: s-maj=33.5km s-min=19.6km az=40.0.
IDC VI 09 09 19 40.5–2.8 53.54N 87.87E 0 3.2,2.9L
¶610791525
IDC Error ellipse: s-maj=25.4km s-min=15.4km az=63.0.
IDC VI 09 09 29 33.1–2.7 54.23N 87.46E 0 3.3,2.8L
¶610791526
IDC Error ellipse: s-maj=23.9km s-min=15.3km az=61.0.
IDC VI 09 09 34 37.9–3.0 53.54N 87.75E 0 2.7,2.6L
¶610791528
IDC Error ellipse: s-maj=26.4km s-min=15.8km az=65.0.
IDC VI 13 08 24 28.6–2.6 54.16N 86.48E 0 3.3,3.1L
¶610791764
IDC Error ellipse: s-maj=21.8km s-min=13.0km az=55.0.
IDC VI 13 08 41 03.5–2.8 53.73N 87.09E 0 2.9,2.3L
¶610791765
IDC Error ellipse: s-maj=25.4km s-min=16.6km az=69.0.
IDC VI 13 08 56 04.9–2.4 54.09N 86.03E 0 2.9,2.7L
¶610791766
IDC Error ellipse: s-maj=18.6km s-min=11.9km az=55.0.
IDC VI 13 09 00 23.5–3.0 53.66N 88.05E 0 3.0,2.7L
¶610791767
IDC Error ellipse: s-maj=24.1km s-min=16.7km az=65.0.
IDC VI 13 09 49 35.9–3.2 53.77N 86.94E 0 2.9,2.7L
¶610791769
IDC Error ellipse: s-maj=27.2km s-min=15.7km az=69.0.
IDC VI 14 06 11 34.0–3.1 54.18N 87.07E 0 2.8,2.5L
¶610791835
IDC Error ellipse: s-maj=26.6km s-min=17.1km az=64.0.
IDC VI 14 06 55 00.2–2.6 54.13N 86.51E 0 3.0,2.7L
¶610791837
IDC Error ellipse: s-maj=21.8km s-min=13.7km az=53.0.
IDC VI 14 08 06 24.8–2.9 53.94N 86.63E 0 2.7,2.5L
¶610791842
IDC Error ellipse: s-maj=22.8km s-min=14.4km az=64.0.
IDC VI 14 08 42 26.3–4.0 53.70N 88.05E 0 2.8,2.4L
¶610791845
IDC Error ellipse: s-maj=37.3km s-min=19.2km az=49.0.
IDC VI 14 09 13 55.6–2.7 54.15N 86.39E 0 2.9,2.6L
¶610791851
IDC Error ellipse: s-maj=20.2km s-min=12.2km az=61.0.
ISC VI 14 23 07 28.9–1.2 50.10N–.03 87.77E–.04 4–9 43 0-39
ASRS VI 14 23 07 26.4–.38 50N–2.0 88E–2.0 10 3.7 **¶610791898**
IDC VI 14 23 07 29.0–2.1 50.18N 87.70E 0 3.6,3.3b
NNC VI 14 23 07 29.9–1.5 50.15N 87.66E 0 3.9b,3.5
ISC Event type ke.
ASRS Event type ke. Error ellipse: s-maj=4.6km s-min=3.3km az=124.3.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=21.3km s-min=12.6km az=93.0.
NNC Event type se. Error ellipse: s-maj=13.5km s-min=6.8km az=103.0.
IDC VI 15 05 04 12.4–3.2 54.21N 87.73E 0 2.7,2.4L
¶610791909
IDC Error ellipse: s-maj=29.1km s-min=20.2km az=38.0.
IDC VI 15 06 51 00.5–3.1 53.58N 87.87E 0 2.7,2.3L
¶610791914
IDC Error ellipse: s-maj=28.0km s-min=18.5km az=59.0.
IDC VI 15 07 13 29.9–2.9 53.73N 86.90E 0 2.8,2.5L
¶610791919
IDC Error ellipse: s-maj=25.2km s-min=15.7km az=71.0.

IDC VI 15 07 14 13.4–3.2 54.21N 87.41E 0 3.0,2.6L ¶610791922
IDC Error ellipse: s-maj=28.0km s-min=19.2km az=47.0.
IDC VI 15 08 54 43.9–2.4 54.25N 86.13E 0 3.2,3.0L ¶610791929
IDC Error ellipse: s-maj=18.2km s-min=11.8km az=51.0.
IDC VI 15 09 00 45.4–3.1 53.50N 87.54E 0 2.9,2.7L ¶610791930
IDC Error ellipse: s-maj=27.7km s-min=16.2km az=61.0.
IDC VI 15 09 10 13.1–3.5 54.39N 87.34E 0 2.9,2.7L ¶610791931
IDC Error ellipse: s-maj=29.1km s-min=21.4km az=37.0.
IDC VI 15 09 36 00.8–3.0 53.60N 87.87E 0 2.8,2.6L ¶610791933
IDC Error ellipse: s-maj=24.7km s-min=18.0km az=57.0.
IDC VI 16 07 45 37.8–2.4 53.70N 86.77E 0 2.9,2.5L ¶610791987
IDC Error ellipse: s-maj=21.6km s-min=13.1km az=68.0.
IDC VI 16 07 48 17.8–2.9 54.20N 87.20E 0 3.1,2.4L ¶610791988
IDC Error ellipse: s-maj=26.1km s-min=17.3km az=67.0.
IDC VI 16 09 05 17.3–2.9 54.14N 86.54E 0 2.9,2.5L ¶610791990
IDC Error ellipse: s-maj=23.1km s-min=14.7km az=58.0.
IDC VI 16 12 35 50.2–4.7 53.57N 89.58E 0 2.9,2.4L ¶610792003
IDC Error ellipse: s-maj=48.8km s-min=25.4km az=49.0.
IDC VI 17 11 48 29.0–3.7 53.42N 91.33E 0 3.0,2.5L ¶610792055
IDC Error ellipse: s-maj=35.3km s-min=27.2km az=25.0.
ISC VI 18 04 02 41.4–.69 52.21N–.03 95.24E–.03 10 114 1-40 ¶610681509
ASRS VI 18 04 02 36.0–.21 52N–1.0 95E–1.0 5 4.4
IDC VI 18 04 02 40.1–2.8 52.23N 95.32E 0 3.5,3.1L
NNC VI 18 04 02 44.7–3.5 52.50N 94.51E 0 3.6b,3.0
MOS VI 18 04 02 48.4–2.1 52.20N 94.10E 10 3.7b,3.0
ISC Event type ke.
ASRS Event type ke. Error ellipse: s-maj=3.2km s-min=2.0km az=27.4. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=49.9km s-min=21.7km az=21.0.
NNC Event type se. Error ellipse: s-maj=34.4km s-min=23.3km az=49.0.
MOS Error ellipse: s-maj=8.2km s-min=6.2km az=42.3.
IDC VI 19 02 28 49.0–1.4 53.21N 85.66E 0 3.2,2.8L ¶610792154
IDC Error ellipse: s-maj=15.1km s-min=8.3km az=87.0.
IDC VI 19 06 10 46.0–2.9 53.74N 86.98E 0 2.8,2.5L ¶610792168
IDC Error ellipse: s-maj=27.7km s-min=16.1km az=65.0.
IDC VI 19 06 42 36.8–2.2 54.29N 85.95E 0 3.2,2.7L ¶610792170
IDC Error ellipse: s-maj=17.6km s-min=12.3km az=48.0.
IDC VI 19 07 02 38.7–2.5 54.63N 83.64E 0 2.5,2.2L ¶610792172
IDC Error ellipse: s-maj=20.3km s-min=12.6km az=171.0.
IDC VI 19 07 18 35.1–2.5 54.01N 86.53E 0 3.4,3.0L ¶610792173
IDC Error ellipse: s-maj=20.0km s-min=11.7km az=61.0.
IDC VI 19 07 30 23.1–3.2 54.23N 87.24E 0 2.8,2.5L ¶610792175
IDC Error ellipse: s-maj=28.5km s-min=17.4km az=63.0.
IDC VI 19 08 25 00.7–3.9 53.55N 87.91E 0 3.0,2.7L ¶610792177
IDC Error ellipse: s-maj=43.4km s-min=21.4km az=81.0.
IDC VI 20 06 03 58.9–3.7 55.62N 86.24E 0 2.6,2.3L ¶610789143
IDC Error ellipse: s-maj=29.4km s-min=28.6km az=4.0.
IDC VI 20 06 05 22.4–2.5 53.64N 86.94E 0 2.8,2.6L ¶610789144
IDC Error ellipse: s-maj=23.9km s-min=14.5km az=67.0.
IDC VI 20 06 41 45.5–3.5 53.78N 88.19E 0 2.7,2.2L ¶610789149
IDC Error ellipse: s-maj=31.3km s-min=18.5km az=60.0.
IDC VI 20 08 47 49.5–3.5 54.20N 87.31E 0 2.7,2.1L ¶610789152
IDC Error ellipse: s-maj=31.9km s-min=20.2km az=50.0.
IDC VI 21 08 37 27.9–3.3 53.99N 86.96E 0 2.6,2.0L ¶610789199
IDC Error ellipse: s-maj=29.6km s-min=17.6km az=56.0.
IDC VI 22 05 29 36.5–3.4 54.44N 87.06E 0 2.9,2.7L ¶610789248
IDC Error ellipse: s-maj=30.9km s-min=20.0km az=52.0.
IDC VI 22 06 59 08.2–4.2 54.57N 87.21E 0 2.8,2.8L ¶610789252
IDC Error ellipse: s-maj=31.8km s-min=21.6km az=43.0.
IDC VI 22 07 31 19.2–2.8 54.20N 86.49E 0 3.0,2.7L ¶610789254
IDC Error ellipse: s-maj=21.7km s-min=13.6km az=56.0.
IDC VI 22 07 46 08.5–3.0 53.74N 88.22E 0 3.1,2.5L ¶610789257
IDC Error ellipse: s-maj=27.0km s-min=17.5km az=61.0.
IDC VI 22 09 13 30.1–3.2 53.61N 88.03E 0 2.9,2.7L ¶610789262
IDC Error ellipse: s-maj=30.5km s-min=18.8km az=50.0.
IDC VI 22 09 57 24.4–3.7 53.77N 88.21E 0 2.9,2.5L ¶610789266
IDC Error ellipse: s-maj=33.6km s-min=19.4km az=51.0.
IDC VI 23 06 40 04.2–2.7 54.30N 85.94E 0 3.1,2.8L ¶610789316
IDC Error ellipse: s-maj=19.1km s-min=10.7km az=53.0.
IDC VI 23 07 30 46.8–2.8 54.10N 86.47E 0 2.8,2.7L ¶610789320
IDC Error ellipse: s-maj=23.6km s-min=14.4km az=54.0.
IDC VI 23 08 25 17.9–2.6 54.10N 86.41E 0 3.0,2.7L ¶610789325
IDC Error ellipse: s-maj=20.6km s-min=13.1km az=60.0.
IDC VI 23 08 28 10.2–3.1 53.62N 87.87E 0 3.0,2.6L ¶610789327
IDC Error ellipse: s-maj=27.8km s-min=16.7km az=54.0.
IDC VI 23 08 29 20.4–3.5 54.24N 87.44E 0 3.0,2.6L ¶610789328
IDC Error ellipse: s-maj=29.2km s-min=20.7km az=47.0.
IDC VI 23 09 38 37.5–3.5 54.25N 87.16E 0 2.5,2.3L ¶610789332
IDC Error ellipse: s-maj=31.4km s-min=20.1km az=54.0.
IDC VI 23 09 41 52.2–3.0 54.19N 87.17E 0 2.9,2.7L ¶610789333
IDC Error ellipse: s-maj=27.8km s-min=19.2km az=52.0.
ISC VI 25 09 38 40.8–1.1 50.16N–.04 87.80E–.05 11–6 30 0-6 ¶612053866
ASRS VI 25 09 38 38.7–.40 50N–2.0 88E–3.0 10 3.3
NNC VI 25 09 38 42.4–1.7 50.22N 87.43E 0 3.3b,2.9
ISC Event type ke.
ASRS Event type ke. Error ellipse: s-maj=6.3km s-min=3.6km az=100.4. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NNC Event type se. Error ellipse: s-maj=14.8km s-min=9.1km az=98.0.
IDC VI 26 01 13 21.8–3.6 54.36N 87.18E 0 3.3,2.5L ¶610789473
IDC Error ellipse: s-maj=33.3km s-min=21.9km az=41.0.
IDC VI 26 06 17 14.3–3.1 54.35N 86.72E 0 2.9,2.4L ¶610789487
IDC Error ellipse: s-maj=24.8km s-min=17.4km az=55.0.
IDC VI 26 06 22 16.8–2.9 54.24N 87.22E 0 3.0,2.5L ¶610789488
IDC Error ellipse: s-maj=26.1km s-min=18.3km az=56.0.
IDC VI 26 07 02 34.7–3.5 54.46N 87.15E 0 2.7,2.3L ¶610789491
IDC Error ellipse: s-maj=32.0km s-min=20.5km az=46.0.
IDC VI 26 07 32 03.2–2.8 53.77N 86.78E 0 3.1,2.7L ¶610789492
IDC Error ellipse: s-maj=25.1km s-min=14.3km az=64.0.
IDC VI 26 09 57 04.0–3.5 53.59N 87.87E 0 2.8,2.4L ¶610789503
IDC Error ellipse: s-maj=29.5km s-min=15.5km az=65.0.
IDC VI 27 04 41 15.3–3.4 55.94N 86.34E 0 2.8,2.2L ¶610789541
IDC Error ellipse: s-maj=29.9km s-min=27.9km az=81.0.
IDC VI 27 05 33 12.0–2.4 53.60N 86.86E 0 2.8,2.4L ¶610789545
IDC Error ellipse: s-maj=22.4km s-min=12.5km az=76.0.
IDC VI 27 05 39 03.6–2.5 53.61N 86.87E 0 2.7,2.1L ¶610789546
IDC Error ellipse: s-maj=22.8km s-min=12.7km az=78.0.
ISC VI 27 06 24 58.2–.57 53.99N–.03 79.40E–.03 10 3.7b 91 2-87 ¶610789550
NNC VI 27 06 24 58.8–1.1 53.88N 79.07E 0 3.9b,3.6
IDC VI 27 06 25 01.0–1.5 54.01N 79.58E 35–15 3.6,3.4b
ASRS VI 27 06 25 03.8–.41 54N–1.0 80E–2.0 9 4.4,3.4b
ISC Event type ke.
NNC Event type se.
ASRS Event type ke. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC VI 27 06 42 30.8–3.5 54.26N 87.36E 0 2.7,2.2L ¶610789552
IDC Error ellipse: s-maj=29.9km s-min=18.4km az=56.0.
IDC VI 27 08 17 24.5–3.1 53.98N 86.68E 0 2.7,2.3L ¶610789560
IDC Error ellipse: s-maj=24.0km s-min=15.1km az=61.0.
IDC VI 27 08 19 16.8–3.3 54.30N 87.44E 0 2.8,2.7L ¶610789561
IDC Error ellipse: s-maj=25.2km s-min=18.3km az=48.0.
IDC VI 27 08 24 47.2–3.2 54.55N 86.93E 0 2.7,2.2L ¶610789562
IDC Error ellipse: s-maj=27.3km s-min=20.1km az=52.0.
IDC VI 27 08 29 01.9–2.5 53.91N 86.59E 0 2.9,2.8L ¶610789563
IDC Error ellipse: s-maj=20.9km s-min=12.0km az=64.0.
IDC VI 27 08 31 26.8–4.5 54.31N 87.47E 0 2.7,2.2L ¶610789564
IDC Error ellipse: s-maj=46.2km s-min=19.9km az=75.0.
IDC VI 27 09 09 59.5–2.9 54.15N 86.43E 0 2.9,2.4L ¶610789565
IDC Error ellipse: s-maj=21.2km s-min=12.7km az=63.0.
IDC VI 28 05 44 30.7–2.8 53.96N 86.64E 0 2.8,2.6L ¶610789620
IDC Error ellipse: s-maj=22.5km s-min=14.0km az=62.0.
IDC VI 28 07 25 30.9–3.0 54.20N 86.42E 0 3.1,2.7L ¶610789622
IDC Error ellipse: s-maj=23.6km s-min=14.8km az=53.0.
IDC VI 28 08 54 05.4–4.7 53.98N 89.89E 0 2.9,2.5L ¶610789625
IDC Error ellipse: s-maj=48.0km s-min=26.3km az=44.0.
IDC VI 28 08 55 52.9–2.4 54.25N 85.98E 0 3.3,3.2L ¶610789626
IDC Error ellipse: s-maj=18.0km s-min=11.4km az=51.0.
IDC VI 29 05 47 01.8–3.6 54.53N 87.12E 0 2.9,2.6L ¶610789697
IDC Error ellipse: s-maj=32.7km s-min=21.7km az=41.0.
IDC VI 29 06 27 18.1–2.4 54.32N 85.97E 0 3.1,2.8L ¶610789700
IDC Error ellipse: s-maj=19.1km s-min=11.0km az=51.0.
IDC VI 29 07 07 24.2–2.3 54.15N 86.14E 0 3.1,2.8L ¶610789705
IDC Error ellipse: s-maj=17.8km s-min=11.0km az=58.0.
IDC VI 29 07 54 32.9–2.8 54.14N 86.49E 0 2.9,2.7L ¶610789707
IDC Error ellipse: s-maj=21.9km s-min=13.5km az=59.0.
IDC VI 30 06 52 02.1–3.5 54.16N 87.36E 0 2.9,2.6L ¶610789763
IDC Error ellipse: s-maj=31.3km s-min=20.1km az=50.0.
IDC VI 30 07 14 19.2–2.9 54.10N 86.26E 0 3.1,2.6L ¶610789765
IDC Error ellipse: s-maj=22.3km s-min=13.7km az=60.0.
IDC VI 30 07 16 18.3–3.1 53.52N 87.54E 0 2.9,2.9L ¶610789766
IDC Error ellipse: s-maj=27.1km s-min=16.0km az=61.0.
IDC VI 30 07 38 14.4–3.0 54.30N 86.67E 0 2.9,2.5L ¶610789767
IDC Error ellipse: s-maj=23.2km s-min=15.7km az=52.0.
IDC VI 30 08 03 50.7–3.1 54.24N 86.62E 0 3.0,2.8L ¶610789772
IDC Error ellipse: s-maj=26.4km s-min=15.9km az=51.0.
IDC VI 30 08 08 33.8–3.2 55.55N 86.11E 0 2.9,2.6L ¶610789773
IDC Error ellipse: s-maj=27.9km s-min=26.0km az=92.0.
IDC VI 30 08 10 01.7–3.8 54.21N 87.30E 0 2.6,1.9L ¶610789774
IDC Error ellipse: s-maj=34.9km s-min=21.9km az=46.0.
IDC VI 30 09 01 13.7–3.0 54.10N 86.37E 0 2.8,2.5L ¶610789775
IDC Error ellipse: s-maj=23.3km s-min=14.0km az=61.0.
ISC VI 30 17 10 38.8–.36 51.86N–.03 93.71E–.03 10 4.3b,3.3s 160 2-83 ¶610728758
ASRS VI 30 17 10 33.5–.25 52N–2.0 94E–1.0 5 4.8,3.3s
IDC VI 30 17 10 37.3–.77 51.87N 94.07E 0 4.0,4.0b
MOS VI 30 17 10 37.0–.93 51.88N 93.87E 12 4.6b,4.0b
NEIC VI 30 17 10 37.9–2.3 51.80N–.07 94.1E–.10 10–1 4.5b,4.0b
NNC VI 30 17 10 41.6–3.6 51.98N 93.49E 0 4.0b,3.6
ISC Event type ke.
ASRS Event type ke. Error ellipse: s-maj=4.2km s-min=2.3km az=14.0. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=17.8km s-min=10.4km az=159.0.
MOS Error ellipse: s-maj=10.2km s-min=9.6km az=62.9.
NEIC Event type se. Error ellipse: s-maj=13.3km s-min=10.8km az=121.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=34.0km s-min=22.1km az=60.0.

(327) Lake Baykal region.

ISC I 02 07 31 05.4–.77 53.41N–.02 108.61E–.02 10–4 4.5b,3.6s 340 0-151 ¶609949353
MOS I 02 07 31 04.3–1.1 53.33N 108.68E 12 4.5b,3.6s
IDC I 02 07 31 04.1–.44 53.36N 108.58E 0 4.2b,4.1
NEIC I 02 07 31 05.8–1.7 53.41N–.08 108.60E–.03 10–1 4.5b,4.1
BYKL I 02 07 31 06.4–.15 53.38N 108.60E 21–2 4.3W,4.1
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s41.23512°,δ43.42503°,λ-94.28661°. NP2: ϕ_s227.12747°,δ46.72648°,λ-85.95334°. Principal axes: T Plg1.6529°,Azm314.2661° ; N Plg2.9452°,Azm44.3511°; P Plg86.6220°,Azm194.9990°
MOS Event type fe. Error ellipse: s-maj=6.4km s-min=4.9km az=73.8. Felt (IV) at Onguryeny, Suvo; (III-IV) at Barguzin; (II-III) at Chita. Moment Tensor Solution.
IDC Error ellipse: s-maj=10.9km s-min=9.3km az=156.0.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=2.9km az=192.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

BYKL Event type se. #STATIONS AAK MA2 KBS KIV BFO KDAK CHTO QIZ MAJO. FELT I=IV-V MSK at Maksimikha,IV at Ust-barguzin,Barguzin, Chitkan,Suvo,Sarma, III-IV at Onguren, II at Chita. Moment Tensor Solution.
ISC I 04 10 10 09.8–1.1 55.79N–.03 110.17E–.02 1–8 3.8b 102 0-82
IDC I 04 10 10 09.6–.97 55.88N 110.19E 0 3.8,3.8b ¶610198144
BYKL I 04 10 10 11.2–.19 55.73N 110.14E 9–3 3.8,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=21.5km s-min=18.8km az=20.0.
BYKL Event type se.
ISC I 07 17 17 19.3–1.1 55.65N–.03 110.21E–.02 0–9 90 0-19
IDC I 07 17 17 18.8–9.4 55.61N 110.26E 0 3.3,3.1L ¶610197700
BYKL I 07 17 17 20.6–.17 55.70N 110.19E 9–3 3.3,3.1L
ISC Event type se.
IDC Error ellipse: s-maj=120.9km s-min=40.1km az=78.0.
BYKL Event type se.
ISC I 07 21 46 42.4–1.1 55.81N–.03 110.30E–.02 3–8 3.8b 123 0-46
MOS I 07 21 46 42.3–.87 55.74N 110.20E 8 3.7b ¶610197701
BYKL I 07 21 46 43.7–.19 55.72N 110.16E 7–3 3.7b
IDC I 07 21 46 43.0–1.4 55.76N 110.05E 0 3.8,3.8b
ISC Event type se.
MOS Error ellipse: s-maj=11.8km s-min=7.6km az=75.6.
BYKL Event type se.
IDC Error ellipse: s-maj=27.2km s-min=21.4km az=127.0.
ISC I 14 23 13 34.2–.71 54.89N–.02 111.26E–.02 16–4 3.8b,3.6s 209 0-81
BJI I 14 23 13 31.6–.00 54.94N 111.65E 13 4.5b,4.2s ¶610094886
IDC I 14 23 13 31.7–.69 54.85N 111.23E 0 3.8,3.8L
MOS I 14 23 13 32.0–1.1 54.80N 111.29E 11 4.0b,3.8L
BYKL I 14 23 13 34.5–.13 54.87N 111.24E 20–2 4.0b,3.8L
NEIC I 14 23 13 34.0–2.0 54.90N–.10 111.2E–.20 15–5 4.1b,3.8L
ISC Event type se.
MOS Event type fe. Felt (IV) at Ulyunkhan. Moment Tensor Solution.
BYKL Event type se. FELT I=IV MSK at Ulyunkhan.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 25 03 49 50.1–1.0 53.07N–.02 108.18E–.02 9–7 3.3b 130 0-60
MOS I 25 03 49 48.9–1.4 53.08N 108.18E 10 3.8b ¶610114481
IDC I 25 03 49 49.3–1.4 53.16N 108.01E 0 3.4s,3.4
BYKL I 25 03 49 51.4–.15 53.08N 108.09E 18–3 3.4s,3.4
ISC Event type se.
MOS Error ellipse: s-maj=11.5km s-min=7.1km az=59.0.
IDC Error ellipse: s-maj=30.2km s-min=21.4km az=134.0.
BYKL Event type se. FELT I=III MSK at Gremyachinsk.
IDC II 13 04 12 19.3–8.1 51.74N 106.69E 0 2.4,2.2L
¶610415423
IDC Error ellipse: s-maj=60.1km s-min=56.4km az=92.0.
ISC III 16 11 34 03.1–.57 52.76N–.02 106.83E–.02 10 101 0-58
IDC III 16 11 33 60.0–3.6 52.85N 107.46E 0 4.0b,3.6 ¶610330715
MOS III 16 11 34 01.8–1.2 52.61N 106.97E 10 4.3b,3.6
BYKL III 16 11 34 03.0–.13 52.74N 106.80E 15–2 4.3b,3.6
ISC Event type se.
IDC Error ellipse: s-maj=59.6km s-min=27.6km az=76.0.
MOS Event type fe. Error ellipse: s-maj=12.0km s-min=8.6km az=53.8. Felt (II) at Tyrgan. Moment Tensor Solution.
BYKL Event type se. FELT I=II MSK at Yelantsy, Tyrgan.
ISC III 19 08 22 35.3–.80 52.66N–.02 106.58E–.02 12–5 3.5b 115 0-80
IDC III 19 08 22 33.2–.97 52.61N 106.57E 0 3.5b,3.4 ¶610346012
MOS III 19 08 22 33.7–1.2 52.61N 106.66E 10 4.0b,3.4
BYKL III 19 08 22 35.5–.17 52.67N 106.54E 17–3 4.0b,3.4
ISC Event type se.
IDC Error ellipse: s-maj=19.0km s-min=16.4km az=63.0.
MOS Event type fe. Error ellipse: s-maj=8.7km s-min=7.6km az=50.4. Felt (III) at Tyrgan. Moment Tensor Solution.
BYKL Event type se. FELT I=III-IV MSK at Tyrgan,Yelantsy; II at Irkutsk.
ISC IV 11 16 46 04.8–1.1 53.10N–.02 107.86E–.02 3–8 3.7b 106 0-80
IDC IV 11 16 46 04.9–.91 53.09N 107.82E 0 3.6,3.6b ¶610593949
MOS IV 11 16 46 05.5–1.7 53.09N 107.80E 12 3.7b,3.6b
BYKL IV 11 16 46 06.7–.12 53.09N 107.69E 12–2 3.7b,3.6b
ISC Event type se.
IDC Error ellipse: s-maj=24.8km s-min=15.5km az=100.0.
MOS Error ellipse: s-maj=12.6km s-min=7.8km az=64.5.
BYKL Event type se.
ISC IV 28 16 38 56.3–1.2 55.75N–.03 110.37E–.03 9–8 3.7b 104 0-89
IDC IV 28 16 38 55.8–.84 55.79N 110.28E 0 4.4s,3.7 ¶610646451
BYKL IV 28 16 38 57.0–.19 55.71N 110.11E 4–16 4.4s,3.7
ISC Event type se.
IDC Error ellipse: s-maj=19.4km s-min=18.4km az=13.0.
BYKL Event type se.
ISC V 09 04 41 18.0–.67 55.29N–.04 109.52E–.03 10 69 1-47
BYKL V 09 04 41 19.1–.17 55.41N 109.44E ¶610646458
IDC V 09 04 41 21.8–1.8 55.34N 108.92E 0 3.3,3.3b
ISC Event type se.
BYKL Event type se.
IDC Error ellipse: s-maj=40.8km s-min=22.6km az=116.0.
ISC V 12 14 14 10.4–1.2 55.83N–.03 110.24E–.02 7–8 3.8b 120 1-70
MOS V 12 14 14 09.9–1.1 55.83N 110.09E 11 4.0b ¶616639927
IDC V 12 14 14 10.4–1.3 55.88N 110.06E 0 3.7,3.6b
BYKL V 12 14 14 10.4–.27 55.75N 110.10E 3.7,3.6b
ISC Event type se.
MOS Error ellipse: s-maj=10.6km s-min=7.5km az=69.5.
IDC Error ellipse: s-maj=30.6km s-min=12.9km az=157.0.
BYKL Event type se.
ISC V 15 18 51 04.4–1.1 56.27N–.03 112.72E–.02 6–8 3.8b 96 0-75
IDC V 15 18 51 04.9–1.2 56.24N 112.75E 0 3.9,3.8b ¶610639879
BYKL V 15 18 51 05.9–.14 56.30N 112.94E 22–2 3.9,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=27.0km s-min=13.5km az=147.0.
BYKL Event type se. FELT I=III-IV MSK at Mamakan, Bodaybo.
ISC VI 29 05 00 05.1–1.2 55.77N–.03 110.34E–.03 1–10 3.7b 87 0-41
MOS VI 29 05 00 05.6–1.0 55.82N 110.19E 10 3.7b ¶610783234
IDC VI 29 05 00 05.3–2.6 55.78N 110.23E 0 3.8,3.8b
BYKL VI 29 05 00 06.5–.21 55.74N 110.21E 3.8,3.8b
ISC Event type se.
MOS Error ellipse: s-maj=13.3km s-min=8.1km az=65.8.
IDC Error ellipse: s-maj=46.4km s-min=22.3km az=108.0.
BYKL Event type se.

(328) East of Lake Baykal.

ISC I 29 10 51 28.7–.91 56.03N–.02 113.57E–.02 5–7 80 0-56
IDC I 29 10 51 28.7–2.8 55.87N 114.39E 0 3.1L,2.9 ¶610235638
MOS I 29 10 51 28.3–1.0 56.08N 113.75E 11 3.2b,2.9
BYKL I 29 10 51 29.0–.14 56.13N 113.78E 6–3 3.2b,2.9
ISC Event type se.
IDC Error ellipse: s-maj=97.0km s-min=31.6km az=135.0.
MOS Error ellipse: s-maj=17.7km s-min=10.6km az=79.5.
BYKL Event type se.
ISC II 04 20 09 20.4–.86 56.31N–.02 113.28E–.02 12–6 3.6b,3.0s 126 0-89
MOS II 04 20 09 19.7–1.7 56.38N 113.26E 13 4.2b,3.0s ¶610197580
IDC II 04 20 09 19.4–.78 56.31N 113.18E 0 3.7,3.6b
BYKL II 04 20 09 22.1–.15 56.28N 113.25E 26–2 3.7,3.6b
ISC Event type se.
MOS Error ellipse: s-maj=10.2km s-min=6.5km az=77.3.
IDC Error ellipse: s-maj=19.4km s-min=10.9km az=154.0.
BYKL Event type se. FELT I=IV MSK at Severomuisk.
ISC III 22 14 22 29.9–.81 56.16N–.02 113.81E–.02 2–5 4.0b,3.3s 184 0-150
IDC III 22 14 22 29.3–.62 56.11N 113.80E 0 3.8,3.7b ¶610423700
MOS III 22 14 22 29.9–1.2 56.13N 113.79E 11 4.0b,3.4s
BYKL III 22 14 22 33.3–.11 56.17N 113.75E 21–1 4.0b,3.4s
NEIC III 22 14 22 32.1–1.2 56.20N–.08 113.8E–.20 15–5 4.1b,3.4s
ISC Event type se.
BYKL Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 03 12 53 39.9–.45 56.23N–.02 118.17E–.02 16–2 4.9b,4.5s 821 1-154
IDC IV 03 12 53 37.1–.42 56.12N 118.11E 0 4.5,4.5b ¶610476573
BYKL IV 03 12 53 37.5–.21 56.14N 118.04E 4.8W,4.5b
GCMT IV 03 12 53 37.6–.20 56.23N–.01 118.06E–.03 12–1 4.9W,4.5b
MOS IV 03 12 53 38.7–1.4 56.05N 118.07E 11 5.1b,4.7s
BJI IV 03 12 53 38.1–.00 56.01N 118.28E 6 6.0L,5.2s
NEIC IV 03 12 53 40.6–1.4 56.16N–.07 118.1E–.10 13–4 5.0b,5.2s
ISC Event type se.
BYKL Event type se. #STATIONS NIL ADK KULLO KBS GNI COLA TATO QIZ ERM KEV GRFO MAJO LSA PET. FELT I=IV MSK at Novaya Chara, Kuanda,Khani,Taksimo,III-IV at Olekma,Yuktali, FELT II at Chita. Moment Tensor Solution.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s39,c47; s108,c170;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.52±.13 $M_{\theta\theta}$1.96±.10; $M_{\phi\phi}$-0.45±.09; $M_{r\theta}$-0.18±.22; $M_{\theta\phi}$2.46±.07; $M_{\phi r}$0.74±.28; Best double couple: NP1:ϕ_s200.00000°,δ67.00000°,λ-151.00000°. NP2:ϕ_s97.00000°,δ63.00000°,λ-26.00000°. Principal axes: T 3.5060,Plg3.0000° ,Azm328.0000°; N -0.9960,Plg54.0000°,Azm234.0000°; P -2.5200,Plg36.0000° ,Azm60.0000° $M_0$3.01300×10^{16}
MOS Event type fe. Felt (III-IV) at Novaya Chara; (III) at Taksimo; (II-III) at Chita. Moment Tensor Solution.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 03 13 48 09.0–.88 56.07N–.02 118.01E–.02 2–7 3.6b 119 1-77
IDC IV 03 13 48 09.4–.97 56.15N 117.95E 0 3.5,3.5L ¶610476576
MOS IV 03 13 48 11.3–1.6 57.01N 117.62E 6 4.2b,3.5L
BYKL IV 03 13 48 12.3–.17 56.12N 118.01E 8–8 4.2b,3.5L
ISC Event type se.
IDC Error ellipse: s-maj=20.0km s-min=12.2km az=141.0.
MOS Error ellipse: s-maj=11.7km s-min=8.9km az=61.5.
BYKL Event type se.
ISC IV 13 03 57 00.8–.51 56.22N–.03 118.07E–.02 10 4.4s,3.7b 87 1-89
MOS IV 13 03 56 59.5–1.8 56.12N 118.01E 3 3.9b,3.7b ¶610593952
BYKL IV 13 03 56 59.8–.19 56.13N 118.01E 3.9b,3.7b
IDC IV 13 03 57 00.5–.87 56.05N 118.07E 0 4.1s,3.7
ISC Event type se.
MOS Error ellipse: s-maj=12.1km s-min=8.5km az=76.1.
BYKL Event type se.
IDC Error ellipse: s-maj=21.2km s-min=15.9km az=155.0.
ISC IV 16 11 08 35.3–.86 55.95N–.02 113.55E–.02 11–6 3.3b 101 0-78
IDC IV 16 11 08 33.6–1.1 55.90N 113.76E 0 3.5,3.3b ¶610593955
MOS IV 16 11 08 33.5–1.5 55.87N 113.60E 10 3.8b,3.3b
BYKL IV 16 11 08 34.7–.14 55.92N 113.39E 5–3 3.8b,3.3b
ISC Event type se.
IDC Error ellipse: s-maj=21.6km s-min=19.3km az=162.0.
MOS Error ellipse: s-maj=12.9km s-min=7.8km az=77.1.
BYKL Event type se.
ISC IV 20 07 30 32.7–1.2 56.17N–.03 118.10E–.02 2–9 3.0b 91 1-55
MOS IV 20 07 30 32.4–2.9 56.20N 118.14E 5 3.9b ¶610593957
BYKL IV 20 07 30 32.8–.19 56.11N 118.02E 3.9b
IDC IV 20 07 30 34.0–1.6 56.11N 118.31E 0 4.2L,3.5
ISC Event type se.
MOS Error ellipse: s-maj=11.8km s-min=9.7km az=89.0.
BYKL Event type se.
IDC Error ellipse: s-maj=25.9km s-min=23.9km az=11.0.
ISC V 15 23 39 39.6–.51 55.99N–.02 113.97E–.02 10 3.4b 85 0-71
MOS V 15 23 39 38.9–1.4 56.02N 114.04E 9 3.6b ¶610671326
IDC V 15 23 39 39.1–1.3 56.07N 114.12E 0 4.0L,3.4
BYKL V 15 23 39 40.8–.16 56.06N 113.89E 9–3 4.0L,3.4
ISC Event type se.
MOS Error ellipse: s-maj=13.0km s-min=7.9km az=79.7.
IDC Error ellipse: s-maj=27.5km s-min=20.5km az=166.0.
BYKL Event type se.

(329) Eastern Kazakhstan.

ISC I 01 00 58 18.5–1.3 44.81N–.04 79.16E–.03 6–13 58 1-3
NNC I 01 00 58 18.3–.81 44.81N 79.21E 0 3.2b,3.0 ¶612032553
SOME I 01 00 58 19.0 44.83N 79.10E 15 3.2b,3.0
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=5.8km s-min=4.8km az=167.0.
ISC I 02 05 28 03.4–1.1 44.04N–.03 78.87E–.02 2–10 85 1-11
NNC I 02 05 28 02.9–.38 44.04N 78.91E 0 4.0b,4.0 ¶612032580
SOME I 02 05 28 04.3 44.00N 78.90E 15 4.0b,4.0
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=3.7km s-min=2.5km az=153.0.
ISC I 06 14 23 12.9–1.2 44.80N–.03 79.69E–.04 9–15 31 0-3
SOME I 06 14 23 14.8 44.75N 79.72E 15 ¶612032775
NNC I 06 14 23 14.5–.51 44.77N 79.57E 0 2.8,2.8b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=5.4km s-min=3.1km az=118.0.
ISC I 07 03 40 48.2–1.1 44.27N–.03 77.31E–.02 7–9 86 0-7
NNC I 07 03 40 48.0–.25 44.25N 77.34E 0 3.5,3.2b ¶612032789
SOME I 07 03 40 49.0 44.25N 77.32E 15 3.5,3.2b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=2.0km s-min=1.3km az=155.0.
ISC I 09 16 01 02.2–1.2 44.19N–.03 79.07E–.03 4–11 62 1-3
NNC I 09 16 01 01.4–.30 44.22N 79.07E 0 2.8b,2.7 ¶612032903
SOME I 09 16 01 03.5 44.15N 79.05E 10 2.8b,2.7
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=4.7km s-min=1.3km az=130.0.
ISC I 10 11 26 58.0–1.3 44.71N–.04 79.65E–.04 6–13 36 0-3
NNC I 10 11 26 57.6–1.0 44.72N 79.61E 0 2.9,2.7b ¶612032940
SOME I 10 11 26 58.7 44.67N 79.60E 10 2.9,2.7b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=8.1km s-min=6.9km az=118.0.
ISC I 10 12 24 42.4–1.3 44.69N–.04 79.66E–.05 5–12 27 0-3
SOME I 10 12 24 43.2 44.60N 79.57E 0 ¶612032943
NNC I 10 12 24 43.8–1.3 44.62N 79.66E 0 2.7,2.6b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=10.6km s-min=8.4km az=120.0.
ISC I 11 09 25 38.1–1.5 44.70N–.06 79.63E–.05 5–14 24 0-5
NNC I 11 09 25 38.5–2.4 44.69N 79.62E 0 2.7b,2.6 ¶612032967
SOME I 11 09 25 39.7 44.60N 79.67E 15 2.7b,2.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=15.5km s-min=11.2km az=11.0.
ISC I 12 02 02 54.7–.98 44.49N–.03 79.92E–.04 17–6 70 0-7
SOME I 12 02 02 53.4 44.58N 79.92E 20 ¶612032993
NNC I 12 02 02 53.2–.51 44.56N 79.91E 0–3 3.6b,3.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=3.6km s-min=3.2km az=102.0.
IDC I 13 10 52 39.4–1.3 51.72N 75.49E 0 2.6,2.4L
¶610237293
IDC Error ellipse: s-maj=31.2km s-min=9.0km az=31.0.
ISC I 13 22 44 32.0–.86 47.29N–.04 75.41E–.05 10 49 2-7
NNC I 13 22 44 30.2–.67 47.25N 75.47E 0 3.8b,3.4 ¶612033064
SOME I 13 22 44 34.8 47.00N 75.62E 0 3.8b,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=7.4km s-min=4.5km az=100.0.
ISC I 20 02 10 58.2–1.3 48.43N–.04 84.74E–.04 1–17 27 1-6
ASRS I 20 02 10 57.5–.28 49N–2.0 85E–2.0 5 3.2 ¶612033316
NNC I 20 02 10 58.9–7.6 48.26N 85.03E 0 3.2b,2.8
SOME I 20 02 11 01.0 48.37N 84.45E 20 3.2b,2.8
ISC Event type ke.
ASRS Event type ke. Error ellipse: s-maj=6.7km s-min=2.5km az=133.2. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NNC Event type se. Error ellipse: s-maj=52.2km s-min=24.9km az=62.0.
ISC I 29 00 23 03.5–2.6 44.7N–.10 79.59E–.05 17–5 20 0-2
SOME I 29 00 23 05.4 44.60N 79.52E 15 ¶612033729
NNC I 29 00 23 05.4–.15 43.98N 79.67E 0 2.9b,2.4

ISC Event type se.
NNC Event type se. Error ellipse: s-maj=5.5km s-min=1.2km az=156.0.
IDC II 10 12 08 13.1–1.0 50.09N 78.71E 0 2.7,2.3L ¶610415234
IDC Error ellipse: s-maj=13.4km s-min=6.4km az=65.0.
ISC II 13 00 14 19.2–1.3 46.00N–.03 79.67E–.03 12–10 91 1-14
NNC II 13 00 14 19.2–.71 45.99N 79.64E 12–6 3.8b,3.5 ¶612085177
SOME II 13 00 14 20.2 45.88N 79.62E 15 3.8b,3.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=5.7km s-min=4.1km az=133.0.
ISC II 28 11 25 47.4–1.3 44.84N–.04 78.58E–.03 0–13 30 0-2
SOME II 28 11 25 46.9 44.82N 78.57E 0 ¶612086275
NNC II 28 11 25 47.8–.87 44.86N 78.64E 0 3.5b,2.9
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=6.5km s-min=3.2km az=5.0.
ISC III 08 17 03 51.4–1.7 44.66N–.06 79.41E–.05 4–14 23 0-10
NNC III 08 17 03 51.6–1.1 44.65N 79.44E 0 2.6,2.1b ¶612086814
SOME III 08 17 03 52.0 44.63N 79.38E 5 2.6,2.1b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=8.0km s-min=7.2km az=127.0.
ISC III 14 15 34 23.2–1.2 44.75N–.03 77.54E–.02 4–11 90 1-4
NNC III 14 15 34 23.9–.38 44.72N 77.54E 0 3.6b,3.5 ¶612087207
SOME III 14 15 34 25.0 44.72N 77.48E 15 3.6b,3.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=3.3km s-min=1.9km az=146.0.
ISC III 20 05 43 45.3–1.3 44.71N–.04 79.73E–.03 8–10 68 0-6
NNC III 20 05 43 47.8–1.5 44.66N 79.63E 4–10 3.0b,2.9 ¶612670078
SOME III 20 05 43 49.2 44.67N 79.63E 15 3.0b,2.9
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=10.2km s-min=9.4km az=31.0.
ISC III 20 22 02 25.3–3.1 49.6N–.10 85.0E–.20 10 10 2-4
SOME III 20 22 02 26.7 49.25N 85.05E 0 ¶612087648
NNC III 20 22 02 26.8–1.9 49.39N 85.06E 0 2.9b,2.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=16.2km s-min=8.1km az=82.0.
IDC III 26 07 22 40.2–1.1 50.03N 78.71E 0 2.9,2.4L ¶610543705
IDC Error ellipse: s-maj=11.3km s-min=7.0km az=63.0.
ISC IV 03 01 22 50.4–.71 47.22N–.03 75.57E–.03 10 90 2-12
NNC IV 03 01 22 50.1–.62 47.22N 75.61E 5–5 4.0b,3.7 ¶612036960
SOME IV 03 01 22 52.3 47.12N 75.60E 5 4.0b,3.7
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=5.7km s-min=3.7km az=89.0.
ISC IV 08 00 03 55.0–1.0 44.55N–.03 79.53E–.03 13–10 44 0-3
NNC IV 08 00 03 54.2–.82 44.57N 79.49E 0–8 2.8,2.3b ¶612037260
SOME IV 08 00 03 55.8 44.50N 79.48E 10 2.8,2.3b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=7.5km s-min=6.0km az=94.0.
ISC IV 14 03 53 01.3–.87 46.00N–.03 79.50E–.04 10 53 1-8
NNC IV 14 03 53 00.2–.54 46.05N 79.53E 0 3.8b,3.6 ¶612037558
SOME IV 14 03 53 02.4 45.97N 79.42E 5 3.8b,3.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=7.8km s-min=3.4km az=136.0.
ISC IV 25 22 56 34.0–1.1 44.69N–.03 79.33E–.03 10–9 54 0-3
SOME IV 25 22 56 33.5 44.72N 79.38E 20 ¶612038115
NNC IV 25 22 56 34.3–.59 44.65N 79.30E 0 2.8,2.7b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=4.2km s-min=3.6km az=163.0.
ISC V 14 11 00 27.8–.93 46.14N–.04 79.95E–.05 10 34 2-7
NNC V 14 11 00 27.8–.71 46.11N 79.91E 0 3.5b,3.2 ¶612039000
ASRS V 14 11 00 30.8–.93 47N–4.0 80E–3.0 9 3.6,3.2
SOME V 14 11 00 31.4 45.92N 79.68E 0 3.6,3.2
ISC Event type ke.
NNC Event type se. Error ellipse: s-maj=9.8km s-min=3.2km az=135.0.
ASRS Event type ke. Error ellipse: s-maj=9.3km s-min=5.0km az=31.9.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NNC V 23 11 35 42.8–.47 49.24N 78.32E 3–4 3.5b,3.5 ¶612039398
NNC Event type se. Error ellipse: s-maj=3.9km s-min=2.4km az=71.0.
ISC V 30 19 01 15.6–.97 48.58N–.02 84.14E–.03 13–6 3.8b 94 1-82
IDC V 30 19 01 12.0–1.3 48.73N 84.43E 0 3.8,3.8b ¶610685737
SOME V 30 19 01 12.7 48.58N 84.08E 0 3.8,3.8b
NNC V 30 19 01 17.4–1.0 48.64N 83.73E 0 4.2b,3.9
ASRS V 30 19 01 25.3–.41 49N–2.0 85E–2.0 9 4.0,3.9
ISC Event type ke.
NNC Event type se.
ASRS Event type ke. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC VI 05 09 15 25.6–1.4 48.39N–.03 83.95E–.04 1–14 44 1-8
NNC VI 05 09 15 25.3–1.4 48.40N 83.77E 0 3.7b,3.4 ¶612088615
SOME VI 05 09 15 25.5 48.33N 83.48E 5 3.7b,3.4
ASRS VI 05 09 15 26.0–.27 48N–2.0 84E–2.0 9 3.1,3.4
ISC Event type ke.
NNC Event type se.
ASRS Event type ke. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/tab. manual. confirmed.
ISC VI 12 07 25 06.6–1.3 49.13N–.08 80.4E–.10 10 8 1-15
IDC VI 12 07 25 04.6–2.0 49.62N 82.52E 0 2.5,2.1L ¶610791707
NNC VI 12 07 25 06.3–1.2 49.13N 80.38E 0 3.3b,3.0
ISC Event type ke.
IDC Error ellipse: s-maj=63.2km s-min=14.9km az=101.0.
NNC Error ellipse: s-maj=25.0km s-min=7.9km az=62.0.
NNC VI 29 17 25 42.3–.76 44.60N 79.68E 0 3.0,2.8b
SOME VI 29 17 25 41.9 44.65N 79.68E 15 3.0,2.8b ¶612054084
NNC Event type se. Error ellipse: s-maj=6.0km s-min=4.9km az=100.0.

(330) Lake Issyk-Kul region.

ISC I 06 11 55 58.9–1.2 42.89N–.03 79.02E–.03 5–9 94 0-6
KRNET I 06 11 55 58.4–.10 42.90N 79.06E 16 3.0b ¶612032772
SOME I 06 11 55 58.4 42.88N 79.05E 10 3.0b
NNC I 06 11 55 58.4–.44 42.92N 79.07E 1–1 3.2b,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=3.7km s-min=1.8km az=166.0.
ISC I 09 03 03 53.8–.79 42.26N–.02 76.27E–.01 15–4 154 0-5
KNET I 09 03 03 53.9–.27 42.26N 76.18E 11–2 2.3L ¶610105201
SOME I 09 03 03 53.7 42.25N 76.28E 15 2.3L
KRNET I 09 03 03 53.5–.10 42.24N 76.29E 20 3.3b
NNC I 09 03 03 54.2–.64 42.31N 76.28E 0 3.6,3.6b
ISC Event type se.
KNET Error ellipse: s-maj=3.5km s-min=2.0km az=68.0.
NNC Event type se. Error ellipse: s-maj=4.5km s-min=2.2km az=5.0.
ISC I 09 14 31 09.6–.89 43.17N–.02 78.24E–.02 7–7 72 0-2
NNC I 09 14 31 04.0–.33 43.14N 78.21E 0–3 2.7,2.4b ¶612032897
SOME I 09 14 31 12.6 43.15N 78.20E 10 2.7,2.4b
KRNET I 09 14 31 12.5–.10 43.09N 78.27E 16 2.1b,2.4b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=3.9km s-min=2.8km az=27.0.
ISC I 09 14 33 00.0–1.0 42.99N–.06 77.83E–.05 10 16 0-1
KRNET I 09 14 32 55.9–.10 43.17N 78.01E 35 1.9b ¶615968496
NNC I 09 14 33 13.1–.40 43.14N 78.20E 1–2 2.9
SOME I 09 14 33 13.1 43.12N 78.22E 10 2.9
ISC Event type ke.
NNC Event type se. Error ellipse: s-maj=2.1km s-min=0.9km az=62.0.
ISC I 13 23 16 38.4–1.1 42.60N–.02 77.82E–.02 19–3 128 0-2
KRNET I 13 23 16 37.9–.10 42.62N 77.85E 20 2.9b ¶612033065
SOME I 13 23 16 38.6 42.63N 77.83E 15 2.9b
NNC I 13 23 16 38.3–.44 42.67N 77.84E 0 3.0,2.9b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=3.6km s-min=1.4km az=176.0.
ISC I 14 01 06 02.0–.97 42.59N–.03 78.64E–.02 16–6 124 0-8
NNC I 14 01 05 59.6–.80 42.54N 78.67E 0 3.7,3.4b ¶612033068
KRNET I 14 01 06 01.1–.10 42.58N 78.68E 27 3.5b,3.4b
SOME I 14 01 06 01.0 42.57N 78.68E 20 3.5b,3.4b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=5.9km s-min=3.0km az=164.0.
SOME I 20 10 03 13.5 42.95N 78.27E 5
NNC I 20 10 03 13.3–.80 42.92N 78.29E 0 3.0 ¶612033353
NNC Event type se. Error ellipse: s-maj=4.8km s-min=3.5km az=57.0.
KRNET I 20 10 03 36.1–.10 42.94N 78.29E 17 2.1b ¶616010719
ISC I 21 10 04 59.4–1.1 43.99N–.02 75.04E–.02 2–9 144 1-7
NNC I 21 10 04 58.9–.65 44.00N 75.05E 1–5 3.6b,3.6 ¶610104782
SOME I 21 10 04 59.6 43.98N 75.05E 10 3.6b,3.6
KRNET I 21 10 05 00.9–.10 43.91N 75.01E 21 3.4b,3.6
KNET I 21 10 05 01.4–.42 43.88N 75.06E 22–2 2.9L,3.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=4.7km s-min=3.8km az=1.0.
KNET Error ellipse: s-maj=3.0km s-min=2.4km az=26.0.
ISC I 23 01 30 41.8–1.0 43.39N–.03 78.84E–.04 10 22 0-1
SOME I 23 01 30 40.9 43.37N 78.88E 5 ¶612033476
NNC I 23 01 30 41.0–.27 43.37N 78.87E 1–1 2.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=1.3km s-min=0.8km az=59.0.
ISC I 24 09 57 23.3–.99 42.21N–.03 76.58E–.02 12–11 63 0-3
NNC I 24 09 57 23.7–.62 42.25N 76.58E 0 3.6b,2.8 ¶612033539
KRNET I 24 09 57 23.2–.10 42.20N 76.56E 17 2.5b,2.8
SOME I 24 09 57 23.4 42.20N 76.58E 10 2.5b,2.8
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=4.1km s-min=2.5km az=12.0.
ISC I 27 03 31 20.3–.84 43.21N–.02 78.52E–.02 6–5 102 0-3
KRNET I 27 03 31 19.8–.10 43.20N 78.54E 13 2.7b ¶612033646
NNC I 27 03 31 19.5–.27 43.20N 78.55E 2–2 3.0,2.5b
SOME I 27 03 31 20.4 43.20N 78.53E 10 3.0,2.5b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=2.4km s-min=1.5km az=165.0.
ISC I 28 02 46 09.7–1.1 42.13N–.03 78.30E–.02 8–10 88 0-3
KRNET I 28 02 46 06.7–.10 42.05N 78.54E 13 2.6b ¶612033689
SOME I 28 02 46 08.3 42.08N 78.38E 15 2.6b
NNC I 28 02 46 11.4–.86 42.25N 78.36E 0 3.2b,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=6.5km s-min=3.1km az=167.0.
ISC I 28 03 20 01.0–1.5 42.20N–.05 79.44E–.04 7–10 93 1-5
SOME I 28 03 20 01.6 42.18N 79.42E 15 ¶612033690
KRNET I 28 03 20 01.9–.10 42.23N 79.46E 19 3.0b
NNC I 28 03 20 01.8–.70 42.25N 79.43E 0 3.5b,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=4.7km s-min=2.7km az=160.0.
ISC II 01 06 20 54.5–1.3 42.40N–.03 79.50E–.03 0–8 3.9b 240 1-75
IDC II 01 06 20 50.8–1.6 42.07N 79.71E 0 3.8,3.6b ¶610159398
KRNET II 01 06 20 52.0–.10 42.26N 79.64E 15 4.4b,3.6b
SOME II 01 06 20 52.0 42.25N 79.57E 15 2.8s,3.6b
MOS II 01 06 20 54.0–.97 42.32N 79.55E 10 4.3b,3.6b
NNC II 01 06 20 54.0–1.3 42.35N 79.65E 0 5.1b,4.8
ISC Event type se.
IDC Error ellipse: s-maj=23.6km s-min=14.5km az=143.0.
MOS Error ellipse: s-maj=5.7km s-min=4.4km az=44.8.
NNC Event type se. Error ellipse: s-maj=8.5km s-min=4.6km az=140.0.
ISC II 01 06 55 45.6–1.8 42.29N–.06 79.50E–.06 4–11 36 1-6
KRNET II 01 06 55 44.4–.10 42.14N 79.58E 17 1.9b ¶612084431
SOME II 01 06 55 44.2 42.25N 79.53E 5 1.9b
NNC II 01 06 55 45.1–1.2 42.30N 79.57E 0 3.4b,2.8
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=7.3km s-min=4.8km az=166.0.
ISC II 03 12 39 10.0–.93 42.21N–.02 76.49E–.01 18–4 180 0-12
KRNET II 03 12 39 09.8–.10 42.19N 76.47E 20 3.8b ¶610189542
SOME II 03 12 39 10.1 42.20N 76.47E 20 3.8b
NNC II 03 12 39 10.0–.48 42.22N 76.46E 0 4.1b,4.1
KNET II 03 12 39 12.0–.47 42.26N 76.30E 13–1 2.8L,4.1
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=3.2km s-min=1.8km az=163.0.
KNET Error ellipse: s-maj=4.7km s-min=2.2km az=71.0.
ISC II 05 00 02 02.2–.82 42.77N–.03 78.99E–.02 10 143 0-6
SOME II 05 00 02 01.6 42.75N 79.02E 15 ¶612084674
NNC II 05 00 02 01.5–.47 42.79N 79.02E 0–2 3.3b,3.3
KRNET II 05 00 02 01.3–.10 42.76N 78.99E 13 3.0b,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=3.7km s-min=1.8km az=167.0.
ISC II 05 21 48 12.5–1.1 43.12N–.03 76.97E–.04 2–11 21 0-2
SOME II 05 21 48 11.5 43.08N 77.02E 5 ¶612084701
NNC II 05 21 48 12.5–.31 43.13N 76.96E 0 2.5
KRNET II 05 21 48 14.7–.10 43.69N 77.82E 35 2.2b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=2.8km s-min=2.0km az=116.0.
ISC II 07 15 26 04.1–1.2 42.28N–.04 75.45E–.02 7–11 57 1-3
KNET II 07 15 26 03.6–.43 42.30N 75.44E 14–3 1.5L ¶610246608
SOME II 07 15 26 04.4 42.30N 75.43E 5 1.5L
NNC II 07 15 26 05.2–.62 42.34N 75.45E 0 2.7b,2.7
ISC Event type se.
KNET Error ellipse: s-maj=3.1km s-min=2.6km az=157.0.
NNC Event type se. Error ellipse: s-maj=4.8km s-min=2.6km az=172.0.
ISC II 07 23 45 20.4–1.0 43.28N–.02 75.12E–.01 11–9 163 0-6
SOME II 07 23 45 21.5 43.25N 75.18E 10 ¶610246605
KRNET II 07 23 45 21.3–.10 43.27N 75.14E 18 3.1b
KNET II 07 23 45 21.4–.50 43.22N 75.14E 17–2 2.1L
NNC II 07 23 45 21.3–.33 43.29N 75.17E 0 3.4b,3.3
ISC Event type se.
KNET Error ellipse: s-maj=4.1km s-min=2.1km az=5.0.
NNC Event type se. Error ellipse: s-maj=3.7km s-min=1.8km az=9.0.
ISC II 11 02 51 28.2–.84 42.53N–.02 76.16E–.01 13–6 172 0-6
NNC II 11 02 51 27.9–.38 42.54N 76.16E 0 3.8b,3.7 ¶610246628
KRNET II 11 02 51 27.4–.10 42.51N 76.18E 25 3.6b,3.7
SOME II 11 02 51 27.9 42.57N 76.13E 10 3.6b,3.7
KNET II 11 02 51 28.4–.40 42.49N 76.01E 0 2.7L,3.7
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=2.9km s-min=1.2km az=174.0.
KNET Error ellipse: s-maj=3.8km s-min=1.9km az=41.0.
ISC II 11 11 54 15.4–.91 42.23N–.02 76.00E–.01 9–7 141 0-11
KNET II 11 11 54 14.3–.38 42.22N 75.99E 14–6 2.8L ¶610208195
KRNET II 11 11 54 15.0–.10 42.21N 76.02E 18 3.5b
SOME II 11 11 54 15.2 42.23N 76.00E 10 3.5b
NNC II 11 11 54 15.1–.38 42.24N 76.00E 0 3.8b,3.7
ISC Event type se.
KNET Error ellipse: s-maj=5.6km s-min=4.3km az=56.0.
NNC Event type se. Error ellipse: s-maj=2.6km s-min=1.4km az=173.0.
ISC II 15 21 46 53.7–1.1 42.70N–.02 78.01E–.01 1–10 154 0-6
NNC II 15 21 46 53.3–.43 42.71N 78.03E 0 3.8,3.5b ¶610246642
KRNET II 15 21 46 53.5–.10 42.70N 78.05E 19 3.4b,3.5b
SOME II 15 21 46 53.9 42.70N 78.03E 15 3.4b,3.5b
KNET II 15 21 46 55.8–.47 42.67N 77.82E 2–2 2.9L,3.5b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=3.5km s-min=1.4km az=169.0.
KNET Error ellipse: s-maj=5.5km s-min=2.1km az=6.0.
ISC II 16 21 58 14.6–1.4 42.61N–.04 79.01E–.03 3–10 134 0-6
SOME II 16 21 58 14.9 42.63N 78.97E 10 ¶612085454
NNC II 16 21 58 15.2–.55 42.65N 79.00E 0 3.5,3.3b
KRNET II 16 21 58 15.2–.10 42.62N 79.00E 19 3.1b,3.3b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=4.1km s-min=1.6km az=157.0.
ISC II 19 06 09 18.8–.96 42.24N–.02 76.19E–.02 3–7 54 0-2
NNC II 19 06 09 19.0–1.3 42.23N 76.17E 2–6 3.5b,2.8 ¶612085642
KRNET II 19 06 09 19.1–.10 42.25N 76.19E 13 3.0b,2.8

SOME II 19 06 09 19.0 42.25N 76.18E 0 3.0b,2.8
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=9.0km s-min=7.0km az=29.0.
ISC II 27 15 26 57.4–.97 42.62N–.04 75.16E–.02 14–8 60 0-3
KNET II 27 15 26 56.8–.49 42.61N 75.17E 11–6 1.2L ¶610246698
SOME II 27 15 26 57.3 42.62N 75.15E 10 1.2L
NNC II 27 15 26 57.2–.30 42.64N 75.16E 0 2.6,1.8b
ISC Event type se.
KNET Error ellipse: s-maj=3.4km s-min=2.0km az=146.0.
NNC Event type se. Error ellipse: s-maj=4.4km s-min=1.3km az=150.0.
ISC III 02 00 22 26.7–1.0 43.46N–.02 77.81E–.01 5–9 181 0-6
KNET III 02 00 22 25.4–.49 43.59N 77.72E 10–4 3.2L ¶610243178
NNC III 02 00 22 26.0–.20 43.46N 77.84E 0 4.1,3.8b
KRNET III 02 00 22 26.5–.10 43.45N 77.83E 23 3.8b,3.8b
SOME III 02 00 22 26.8 43.45N 77.77E 10 3.8b,3.8b
ISC Event type se.
KNET Error ellipse: s-maj=9.5km s-min=4.6km az=147.0.
NNC Event type se. Error ellipse: s-maj=3.9km s-min=1.0km az=167.0.
ISC III 04 12 33 45.3–.91 43.24N–.02 78.13E–.01 11–7 117 0-7
NNC III 04 12 33 45.0–.20 43.25N 78.14E 2–2 4.0,3.5b ¶610472615
SOME III 04 12 33 46.2 43.25N 78.10E 15 4.0,3.5b
KRNET III 04 12 33 46.9–.10 43.20N 77.97E 28 2.8b,3.5b
KNET III 04 12 33 48.4–.47 43.13N 77.84E 0 2.8L,3.5b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=2.6km s-min=1.1km az=176.0.
KNET Error ellipse: s-maj=4.1km s-min=2.5km az=126.0.
ISC III 05 00 11 10.3–1.3 42.20N–.05 75.12E–.02 4–12 54 0-3
SOME III 05 00 11 10.3 42.17N 75.10E 10 ¶610472626
KNET III 05 00 11 10.1–.51 42.21N 75.17E 0 1.2L
NNC III 05 00 11 11.3–1.4 42.27N 75.06E 0 3.0b,2.5
ISC Event type se.
KNET Error ellipse: s-maj=5.6km s-min=2.3km az=18.0.
NNC Event type se. Error ellipse: s-maj=16.0km s-min=5.1km az=155.0.
ISC III 05 01 44 23.7–.86 42.83N–.02 78.41E–.02 15–6 158 0-7
NNC III 05 01 44 21.8–.51 42.79N 78.43E 0 3.6,3.5b ¶610472627
KRNET III 05 01 44 23.0–.10 42.84N 78.44E 24 3.0b,3.5b
SOME III 05 01 44 23.3 42.83N 78.35E 10 3.0b,3.5b
KNET III 05 01 44 24.5–.54 42.65N 78.21E 5–4 2.6L,3.5b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=4.2km s-min=1.9km az=167.0.
KNET Error ellipse: s-maj=6.2km s-min=3.5km az=163.0.
ISC III 06 08 47 55.1–1.1 42.62N–.03 75.18E–.02 5–10 66 0-2
KNET III 06 08 47 53.8–.49 42.62N 75.17E 17–3 1.3L ¶610472644
NNC III 06 08 47 55.0–.34 42.64N 75.16E 0 2.6,2.6b
SOME III 06 08 47 55.4 42.63N 75.12E 10 2.6,2.6b
ISC Event type se.
KNET Error ellipse: s-maj=3.2km s-min=2.3km az=128.0.
NNC Event type se. Error ellipse: s-maj=5.1km s-min=1.6km az=150.0.
ISC III 07 02 13 06.3–.74 43.09N–.02 76.64E–.01 15–4 177 0-8
KRNET III 07 02 13 05.5–.10 43.09N 76.64E 21 3.2b ¶610472657
NNC III 07 02 13 05.9–.26 43.10N 76.60E 0 3.6,3.3b
SOME III 07 02 13 06.4 43.10N 76.62E 15 3.6,3.3b
KNET III 07 02 13 07.2–.47 43.01N 76.53E 18–3 2.3L,3.3b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=3.6km s-min=1.3km az=168.0.
KNET Error ellipse: s-maj=3.7km s-min=1.9km az=54.0.
ISC III 12 07 16 40.1–1.4 42.35N–.04 78.43E–.03 16–10 65 1-2
SOME III 12 07 16 42.7 42.47N 78.38E 10 ¶612087060
NNC III 12 07 16 42.4–.79 42.45N 78.40E 0 2.8,2.3b
KRNET III 12 07 16 44.3–.10 41.29N 77.15E 13 1.8b,2.3b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=5.8km s-min=2.7km az=168.0.
ISC III 13 00 23 06.0–.93 43.24N–.02 78.71E–.02 13–7 54 0-3
KRNET III 13 00 23 06.4–.10 43.25N 78.71E 14 2.3b ¶612087111
SOME III 13 00 23 06.9 43.25N 78.72E 15 2.3b
NNC III 13 00 23 06.3–.33 43.24N 78.72E 0 2.6,2.4b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=2.7km s-min=2.1km az=4.0.
ISC III 13 15 46 57.0–2.1 42.05N–.07 79.65E–.06 1–11 84 1-9
KRNET III 13 15 46 56.6–.10 42.00N 79.60E 19 3.4b ¶612087149
SOME III 13 15 46 56.2 42.00N 79.57E 15 3.4b
NNC III 13 15 46 57.2–1.2 42.05N 79.59E 0 3.8,3.8b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=8.0km s-min=4.9km az=145.0.
ISC III 15 15 19 47.3–1.0 42.57N–.03 75.35E–.02 10–9 67 0-4
KNET III 15 15 19 46.5–.34 42.57N 75.36E 11–4 1.3L ¶610472810
SOME III 15 15 19 47.3 42.57N 75.33E 10 1.3L
NNC III 15 15 19 47.2–.57 42.61N 75.31E 0 2.6,2.3b
ISC Event type se.
KNET Error ellipse: s-maj=3.2km s-min=1.9km az=6.0.
NNC Event type se. Error ellipse: s-maj=7.0km s-min=2.5km az=142.0.
ISC III 18 18 52 33.8–1.2 42.91N–.04 79.19E–.03 14–8 83 0-8
SOME III 18 18 52 31.4 42.80N 79.27E 5 ¶612087496
KRNET III 18 18 52 31.1–.10 43.01N 79.40E 35 2.7b
NNC III 18 18 52 32.9–.72 42.88N 79.29E 0 3.2b,2.9
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=5.4km s-min=2.5km az=159.0.
ISC III 18 20 05 44.0–1.4 42.85N–.04 79.32E–.04 10–10 79 0-4
SOME III 18 20 05 43.3 42.83N 79.32E 5 ¶612087499
NNC III 18 20 05 44.7–.73 42.87N 79.30E 0 3.1b,2.9
KRNET III 18 20 05 45.4–.10 42.69N 79.22E 16 2.6b,2.9
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=5.4km s-min=2.5km az=159.0.
ISC III 23 18 53 52.7–.85 43.20N–.02 78.25E–.01 8–7 160 0-6
NNC III 23 18 53 51.6–.24 43.22N 78.29E 0 3.9,3.7b ¶610472905
KRNET III 23 18 53 51.9–.10 43.19N 78.28E 20 3.5b,3.7b
SOME III 23 18 53 52.5 43.20N 78.25E 10 3.5b,3.7b
KNET III 23 18 53 54.0–.50 43.06N 78.08E 0 2.8L,3.7b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=2.8km s-min=1.3km az=0.0.
KNET Error ellipse: s-maj=4.3km s-min=3.3km az=148.0.
ISC III 25 06 52 28.3–2.2 42.39N–.06 79.93E–.06 4–11 60 1-5
SOME III 25 06 52 27.1 42.32N 79.85E 10 ¶612087955
KRNET III 25 06 52 27.3–.10 42.38N 80.05E 26 2.8b
NNC III 25 06 52 28.0–1.1 42.37N 79.91E 0 3.4b,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=7.0km s-min=5.4km az=156.0.
NNC III 29 05 36 55.5–1.2 43.24N 78.50E 0 2.0
SOME III 29 05 36 53.7 43.25N 78.45E 20 2.0 ¶612088213
NNC Event type se. Error ellipse: s-maj=12.5km s-min=6.3km az=121.0.
ISC III 29 07 55 41.5–.97 43.31N–.03 77.53E–.02 18–3 84 0-2
KRNET III 29 07 55 42.6–.10 43.31N 77.51E 20 2.3b ¶612088224
NNC III 29 07 55 42.3–.33 43.35N 77.53E 0 3.0,2.1b
SOME III 29 07 55 43.0 43.30N 77.43E 10 3.0,2.1b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=4.1km s-min=1.5km az=179.0.
ISC IV 04 00 41 11.1–1.0 42.49N–.02 78.09E–.01 6–9 147 0-8
KRNET IV 04 00 41 10.5–.10 42.46N 78.15E 18 3.5b ¶612037013
SOME IV 04 00 41 10.7 42.43N 78.13E 15 3.5b
NNC IV 04 00 41 11.1–.47 42.51N 78.16E 0 3.6,3.4b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=3.7km s-min=1.5km az=171.0.
ISC IV 04 17 49 46.0–1.3 42.13N–.04 75.54E–.02 6–11 51 1-3
KNET IV 04 17 49 45.5–.49 42.14N 75.52E 6–6 1.5L ¶610639828
SOME IV 04 17 49 46.2 42.10N 75.55E 15 1.5L
NNC IV 04 17 49 47.1–.80 42.20N 75.50E 0 2.5,2.2b
ISC Event type se.
KNET Error ellipse: s-maj=4.4km s-min=2.4km az=8.0.
NNC Event type se. Error ellipse: s-maj=6.2km s-min=3.1km az=145.0.
ISC IV 05 15 12 50.1–.88 43.99N–.02 77.14E–.02 10–7 119 0-10
NNC IV 05 15 12 49.5–.24 43.99N 77.14E 3–1 3.9,3.8b ¶610639838
SOME IV 05 15 12 49.9 44.02N 77.13E 10 3.9,3.8b
KNET IV 05 15 12 51.5–.28 43.92N 76.95E 8–2 3.2L,3.8b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=1.8km s-min=1.4km az=139.0.
KNET Error ellipse: s-maj=2.0km s-min=1.5km az=47.0.
ISC IV 09 23 33 47.3–.93 42.93N–.02 75.95E–.01 19–2 148 0-4
NNC IV 09 23 33 47.4–.30 42.92N 75.99E 0 3.8,3.3b ¶610524816
SOME IV 09 23 33 47.1 42.92N 75.93E 20 3.8,3.3b
KRNET IV 09 23 33 47.0–.10 42.93N 75.95E 23 3.2b,3.3b
KNET IV 09 23 33 48.0–.50 42.86N 75.86E 17–2 2.3L,3.3b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=4.3km s-min=1.1km az=167.0.
KNET Error ellipse: s-maj=5.1km s-min=2.9km az=34.0.
ISC IV 11 06 47 50.4–1.6 42.16N–.05 76.30E–.03 4–16 43 1-2
SOME IV 11 06 47 50.6 42.15N 76.32E 10 ¶612037416
NNC IV 11 06 47 51.5–.45 42.21N 76.28E 0 2.6,2.5b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=3.0km s-min=1.9km az=1.0.
ISC IV 19 11 22 25.8–1.1 42.62N–.04 75.15E–.02 4–11 60 0-3
KNET IV 19 11 22 24.4–.51 42.60N 75.14E 18–3 1.4L ¶610639056
SOME IV 19 11 22 25.5 42.58N 75.12E 10 1.4L
NNC IV 19 11 22 26.6–.53 42.69N 75.13E 0 2.8b,2.6
ISC Event type se.
KNET Error ellipse: s-maj=3.6km s-min=2.5km az=153.0.
NNC Event type se. Error ellipse: s-maj=4.9km s-min=2.2km az=173.0.
ISC IV 19 11 22 42.7–.98 42.61N–.05 75.10E–.03 10 37 1-3
SOME IV 19 11 22 30.8 42.15N 74.72E 0 ¶612037801
NNC IV 19 11 22 42.5–1.4 42.53N 75.13E 0 2.8b,2.7
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=18.2km s-min=7.6km az=152.0.
ISC IV 21 00 41 54.1–.80 42.61N–.02 75.13E–.01 9–5 4.1b 378 0-83
KNET IV 21 00 41 51.9–.34 42.57N 75.16E 13–4 3.7L ¶610546566
KRNET IV 21 00 41 52.9–.10 42.59N 75.14E 18 4.5b
IDC IV 21 00 41 52.7–.84 42.64N 75.13E 0 4.2,4.0b
SOME IV 21 00 41 52.9 42.58N 75.12E 15 3.8s,4.0b
NNC IV 21 00 41 52.8–.24 42.63N 75.12E 0 4.9b,4.8
MOS IV 21 00 41 53.2–1.2 42.67N 75.06E 14 4.2b,4.8
BJI IV 21 00 41 53.5–.00 42.83N 75.06E 15 4.6b,4.4b
NEIC IV 21 00 41 54.3–2.8 42.58N–.05 75.14E–.02 10–4 4.2b,4.4b
ISC Event type se.
NNC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 21 00 43 07.8–.96 42.60N–.03 75.20E–.02 9–8 50 0-4
KNET IV 21 00 43 07.7–.42 42.61N 75.13E 20–3 3.1L ¶610639066
KRNET IV 21 00 43 08.2–.10 42.58N 75.16E 20 3.7b
ISC Event type ke.
KNET Error ellipse: s-maj=3.8km s-min=2.7km az=137.0.
ISC IV 21 00 55 45.0–.80 42.60N–.02 75.14E–.01 10–5 4.3b 404 0-95
KNET IV 21 00 55 43.3–.26 42.58N 75.18E 10–4 4.0L ¶610546568
IDC IV 21 00 55 43.8–.62 42.67N 75.17E 0 4.1,4.0b
KRNET IV 21 00 55 44.1–.10 42.59N 75.15E 19 4.5b,4.0b
SOME IV 21 00 55 44.0 42.58N 75.15E 10 4.1s,4.0b
BJI IV 21 00 55 44.5–.00 42.83N 75.03E 18 4.9b,4.5b
MOS IV 21 00 55 44.5–.99 42.66N 75.07E 13 4.5b,4.5b
NNC IV 21 00 55 44.1–.34 42.63N 75.13E 0 4.9b,4.8
NEIC IV 21 00 55 45.1–1.8 42.59N–.06 75.15E–.05 10–1 4.5b,4.8
ISC Event type se.
MOS Event type fe. Felt (IV-V) at Arpa-Tektir; (IV) at Kegety, Prigorodnoe; (III) at Tokmak, Kemin; (II-III) at Ivanovka, Kant, Bishkek. Moment Tensor Solution.
NNC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 21 00 56 00.3–1.2 42.57N–.03 75.17E–.02 4–8 4.0b 54 0-85
IDC IV 21 00 55 59.5–1.1 42.53N 75.18E 0 4.0,4.0b ¶610653148
KRNET IV 21 00 55 59.9–.10 42.59N 75.17E 22 4.3b,4.0b
ISC Event type ke.
IDC Error ellipse: s-maj=30.5km s-min=8.9km az=6.0.
ISC IV 21 01 00 45.8–.99 42.58N–.03 75.17E–.02 18–3 52 0-2
KNET IV 21 01 00 45.7–.50 42.60N 75.16E 12–6 1.7L ¶612115378
KRNET IV 21 01 00 46.0–.10 42.59N 75.17E 19 2.6b
ISC Event type ke.
KNET Error ellipse: s-maj=3.7km s-min=1.9km az=143.0.
ISC IV 21 01 03 46.1–.92 42.59N–.02 75.16E–.01 8–8 125 0-3
KNET IV 21 01 03 44.5–.28 42.57N 75.17E 16–2 2.2L ¶612115386
SOME IV 21 01 03 45.8 42.58N 75.13E 20 2.2L
KRNET IV 21 01 03 45.5–.10 42.59N 75.17E 21 2.8b
NNC IV 21 01 03 46.1–.42 42.65N 75.15E 0 3.6,3.4b
ISC Event type se.
KNET Error ellipse: s-maj=2.9km s-min=2.0km az=168.0.
NNC Event type se. Error ellipse: s-maj=4.4km s-min=2.2km az=166.0.
ISC IV 21 01 33 44.3–.87 42.59N–.02 75.17E–.01 11–7 145 0-4
SOME IV 21 01 33 43.4 42.53N 75.17E 5 ¶610639079
KNET IV 21 01 33 43.5–.32 42.58N 75.18E 11–5 2.3L
NNC IV 21 01 33 44.1–.43 42.60N 75.16E 0 4.1b,3.9
KRNET IV 21 01 33 44.0–.10 42.59N 75.17E 14 3.2b,3.9
ISC Event type se.
KNET Error ellipse: s-maj=3.0km s-min=2.1km az=172.0.
NNC Event type se. Error ellipse: s-maj=3.8km s-min=2.0km az=176.0.
ISC IV 21 01 40 24.4–1.4 42.59N–.06 75.17E–.04 11–12 22 0-2
KNET IV 21 01 40 23.9–.13 42.58N 75.17E 18–1 1.0L ¶610639081
SOME IV 21 01 40 24.8 42.60N 75.15E 10 1.0L
NNC IV 21 01 40 25.2–1.5 42.64N 75.18E 0 2.6
ISC Event type se.
KNET Error ellipse: s-maj=1.2km s-min=0.7km az=108.0.
NNC Event type se. Error ellipse: s-maj=10.3km s-min=4.9km az=7.0.
ISC IV 21 01 49 52.6–1.1 42.57N–.05 75.21E–.02 19–2 46 0-3
KNET IV 21 01 49 52.3–.56 42.60N 75.17E 16–3 1.2L ¶610639083
SOME IV 21 01 49 54.1 42.60N 75.20E 10 1.2L
NNC IV 21 01 49 54.0–.65 42.64N 75.20E 0 2.6b,2.6
ISC Event type se.
KNET Error ellipse: s-maj=4.3km s-min=1.4km az=152.0.
NNC Event type se. Error ellipse: s-maj=5.5km s-min=2.6km az=170.0.
ISC IV 21 02 03 23.2–1.1 42.59N–.04 75.18E–.03 10–10 34 0-2
KNET IV 21 02 03 22.3–.54 42.59N 75.16E 19–5 1.2L ¶610639085
SOME IV 21 02 03 23.0 42.58N 75.17E 5 1.2L
NNC IV 21 02 03 23.1–.90 42.61N 75.16E 0 2.6
ISC Event type se.
KNET Error ellipse: s-maj=4.9km s-min=2.7km az=146.0.
NNC Event type se. Error ellipse: s-maj=7.5km s-min=3.4km az=165.0.
ISC IV 21 02 41 13.7–.80 42.60N–.02 75.11E–.01 14–5 162 0-75
KNET IV 21 02 41 12.3–.35 42.61N 75.17E 16–2 3.0L ¶610546704
NNC IV 21 02 41 13.0–.20 42.62N 75.13E 0 4.1,4.1b
SOME IV 21 02 41 12.8 42.62N 75.15E 15 4.1,4.1b
KRNET IV 21 02 41 13.3–.10 42.60N 75.15E 20 3.7b,4.1b
IDC IV 21 02 41 13.0–1.4 42.63N 75.14E 0 3.5s,3.4b
ISC Event type se.
KNET Error ellipse: s-maj=3.1km s-min=2.2km az=167.0.
NNC Event type se. Error ellipse: s-maj=2.9km s-min=1.0km az=152.0.
IDC Error ellipse: s-maj=18.1km s-min=6.2km az=159.0.
ISC IV 21 03 18 17.1–.86 42.59N–.02 75.16E–.01 12–6 133 0-4
KNET IV 21 03 18 16.4–.36 42.59N 75.14E 17–3 2.2L ¶610639088
KRNET IV 21 03 18 17.1–.10 42.59N 75.15E 19 3.0b
NNC IV 21 03 18 17.5–.31 42.63N 75.13E 0 3.6b,3.6
SOME IV 21 03 18 17.6 42.55N 75.17E 15 3.6b,3.6
ISC Event type se.
KNET Error ellipse: s-maj=3.3km s-min=2.4km az=166.0.
NNC Event type se. Error ellipse: s-maj=3.3km s-min=1.6km az=166.0.
ISC IV 21 03 43 49.8–.86 42.60N–.02 75.16E–.01 12–6 136 0-3
KNET IV 21 03 43 49.0–.30 42.61N 75.15E 16–2 2.3L ¶610639091
KRNET IV 21 03 43 49.8–.10 42.60N 75.16E 17 2.9b

NNC IV 21 03 43 49.9–.30 42.63N 75.14E 0 3.6,3.3b
SOME IV 21 03 43 50.1 42.60N 75.15E 10 3.6,3.3b
ISC Event type se.
KNET Error ellipse: s-maj=2.6km s-min=2.0km az=167.0.
NNC Event type se. Error ellipse: s-maj=3.2km s-min=1.5km az=165.0.
ISC IV 21 18 05 55.9–.93 42.59N–.03 75.16E–.02 12–8 68 0-3
KNET IV 21 18 05 54.6–.34 42.59N 75.16E 20–4 1.3L **¶610639100**
NNC IV 21 18 05 55.9–.44 42.62N 75.14E 0 2.8,2.6b
SOME IV 21 18 05 55.8 42.57N 75.15E 10 2.8,2.6b
ISC Event type se.
KNET Error ellipse: s-maj=2.3km s-min=2.2km az=165.0.
NNC Event type se. Error ellipse: s-maj=4.5km s-min=2.2km az=161.0.
ISC IV 22 01 17 14.7–.87 42.57N–.02 75.16E–.01 12–7 103 0-3
KNET IV 22 01 17 13.9–.39 42.56N 75.15E 15–3 1.5L **¶610639105**
NNC IV 22 01 17 14.8–.30 42.64N 75.12E 0 2.8b,2.8
KRNET IV 22 01 17 14.7–.10 42.59N 75.16E 19 2.5b,2.8
SOME IV 22 01 17 15.3 42.57N 75.12E 10 2.5b,2.8
ISC Event type se.
KNET Error ellipse: s-maj=3.6km s-min=2.8km az=133.0.
NNC Event type se. Error ellipse: s-maj=5.5km s-min=1.5km az=150.0.
ISC IV 22 02 21 07.2–.82 42.60N–.02 75.13E–.01 11–5 153 0-69
KNET IV 22 02 21 05.9–.34 42.60N 75.16E 20–5 3.0L **¶610547212**
IDC IV 22 02 21 06.9–1.4 42.66N 75.14E 0 3.6,3.5b
NNC IV 22 02 21 06.5–.25 42.62N 75.12E 0 4.3b,4.2
KRNET IV 22 02 21 06.8–.10 42.59N 75.15E 20 3.7b,4.2
SOME IV 22 02 21 07.1 42.62N 75.13E 15 3.7b,4.2
ISC Event type se.
KNET Error ellipse: s-maj=2.9km s-min=2.0km az=13.0.
IDC Error ellipse: s-maj=18.2km s-min=6.0km az=156.0.
NNC Event type se. Error ellipse: s-maj=4.2km s-min=1.2km az=152.0.
KRNET IV 22 02 36 23.2–.10 42.59N 75.12E 18 2.7b
¶610639107
ISC IV 22 02 36 29.4–.84 42.60N–.03 75.12E–.02 15–6 61 0-3
KNET IV 22 02 36 30.0–.32 42.63N 75.17E 3–9 1.6L **¶612115392**
KRNET IV 22 02 36 29.6–.10 42.59N 75.13E 17 2.6b
SOME IV 22 02 36 30.5 42.63N 75.10E 20 2.6b
ISC Event type ke.
KNET Error ellipse: s-maj=2.6km s-min=0.9km az=172.0.
ISC IV 23 01 25 04.9–.95 42.58N–.03 75.15E–.02 11–8 70 0-3
KNET IV 23 01 25 04.0–.30 42.58N 75.13E 17–3 1.0L **¶610639117**
NNC IV 23 01 25 04.6–.40 42.62N 75.11E 0 2.5b,2.4
SOME IV 23 01 25 05.2 42.58N 75.15E 10 2.5b,2.4
ISC Event type se.
KNET Error ellipse: s-maj=2.8km s-min=1.7km az=155.0.
NNC Event type se. Error ellipse: s-maj=5.7km s-min=1.8km az=151.0.
ISC IV 24 16 59 55.5–1.0 42.60N–.04 75.11E–.03 15–8 45 0-3
KNET IV 24 16 59 55.1–.47 42.58N 75.15E 9–9 1.0L **¶610639129**
NNC IV 24 16 59 55.2–.38 42.61N 75.11E 0 2.5,0.5b
SOME IV 24 16 59 55.8 42.60N 75.10E 20 2.5,0.5b
ISC Event type se.
KNET Error ellipse: s-maj=4.0km s-min=2.0km az=146.0.
NNC Event type se. Error ellipse: s-maj=7.4km s-min=1.4km az=148.0.
ISC IV 25 16 04 01.5–1.1 43.34N–.03 78.72E–.03 6–10 22 0-1
NNC IV 25 16 04 00.6–.73 43.33N 78.74E 4–4 2.6 **¶612038108**
SOME IV 25 16 04 01.5 43.32N 78.72E 0 2.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=2.8km s-min=1.6km az=168.0.
ISC IV 26 00 49 15.8–.81 42.59N–.02 75.15E–.01 14–5 3.5b 162 0-75
KNET IV 26 00 49 14.7–.26 42.60N 75.17E 17–2 3.2L **¶610554499**
IDC IV 26 00 49 14.9–1.4 42.58N 75.15E 0 3.5,3.5b
NNC IV 26 00 49 15.3–.19 42.62N 75.14E 0 4.1b,4.0
KRNET IV 26 00 49 15.2–.10 42.59N 75.16E 22 3.6b,4.0
SOME IV 26 00 49 15.7 42.62N 75.18E 5 3.6b,4.0
ISC Event type se.
KNET Error ellipse: s-maj=2.4km s-min=1.8km az=6.0.
IDC Error ellipse: s-maj=18.8km s-min=6.4km az=166.0.
NNC Event type se. Error ellipse: s-maj=2.6km s-min=0.9km az=153.0.
ISC V 03 09 48 11.2–1.1 42.61N–.04 75.13E–.02 8–8 41 0-2
KNET V 03 09 48 09.4–.43 42.59N 75.14E 20–4 1.2L **¶610769131**
SOME V 03 09 48 10.7 42.60N 75.12E 5 1.2L
NNC V 03 09 48 11.2–.79 42.67N 75.12E 0 2.9,2.5b
ISC Event type se.
KNET Error ellipse: s-maj=3.5km s-min=2.2km az=141.0.
NNC Event type se. Error ellipse: s-maj=9.8km s-min=3.5km az=158.0.
ISC V 04 23 39 32.9–.81 42.60N–.02 75.15E–.01 13–5 150 0-83
IDC V 04 23 39 31.4–1.6 42.60N 75.17E 0 3.7b,3.5 **¶610598529**
KNET V 04 23 39 31.7–.32 42.57N 75.16E 11–4 3.0L,3.5
SOME V 04 23 39 32.6 42.60N 75.17E 10 3.0L,3.5
NNC V 04 23 39 32.6–.27 42.63N 75.14E 0 4.2b,4.1
KRNET V 04 23 39 32.2–.10 42.57N 75.16E 18 3.6b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=22.1km s-min=6.4km az=161.0.
KNET Error ellipse: s-maj=3.0km s-min=2.0km az=168.0.
NNC Event type se. Error ellipse: s-maj=4.0km s-min=1.4km az=152.0.
ISC V 05 13 16 50.6–.88 42.62N–.03 75.12E–.02 16–6 55 0-3
KNET V 05 13 16 49.6–.29 42.59N 75.16E 16–2 1.5L **¶610769150**
NNC V 05 13 16 50.2–.27 42.63N 75.10E 0 3.0b,2.8
SOME V 05 13 16 51.0 42.63N 75.12E 10 3.0b,2.8
ISC Event type se.
KNET Error ellipse: s-maj=3.0km s-min=2.2km az=3.0.
NNC Event type se. Error ellipse: s-maj=5.3km s-min=1.2km az=150.0.
ISC V 06 14 24 05.0–.77 43.06N–.03 78.16E–.01 12–5 86 0-2
NNC V 06 14 24 04.5–.38 43.10N 78.18E 0 3.1,2.5b **¶612038649**
KRNET V 06 14 24 04.5–.10 43.07N 78.18E 22 2.7b,2.5b
SOME V 06 14 24 04.8 43.07N 78.18E 15 2.7b,2.5b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=7.0km s-min=1.8km az=174.0.
ISC V 08 20 13 50.8–.85 42.62N–.02 75.15E–.01 11–6 121 0-7
KNET V 08 20 13 49.9–.35 42.59N 75.14E 16–2 2.4L **¶610618190**
NNC V 08 20 13 50.7–.25 42.64N 75.10E 0 3.8,3.7b
KRNET V 08 20 13 50.2–.10 42.61N 75.13E 22 2.9b,3.7b
SOME V 08 20 13 51.0 42.65N 75.15E 5 2.9b,3.7b
ISC Event type se.
KNET Error ellipse: s-maj=3.1km s-min=2.2km az=161.0.
NNC Event type se. Error ellipse: s-maj=2.7km s-min=1.3km az=166.0.
ISC V 09 00 26 56.0–.86 42.93N–.03 75.42E–.02 10–6 56 0-4
KNET V 09 00 26 54.8–.42 42.93N 75.44E 18–3 1.2L **¶610769180**
NNC V 09 00 26 55.9–.19 42.96N 75.40E 1–1 2.6,2.5b
SOME V 09 00 26 55.9 42.92N 75.42E 10 2.6,2.5b
ISC Event type se.
KNET Error ellipse: s-maj=6.1km s-min=2.0km az=16.0.
NNC Event type se. Error ellipse: s-maj=2.2km s-min=1.7km az=174.0.
ISC V 09 03 42 12.8–1.8 42.26N–.06 79.39E–.05 6–10 70 1-7
SOME V 09 03 42 11.8 42.22N 79.37E 5 **¶612038752**
KRNET V 09 03 42 12.3–.10 42.12N 79.33E 12 3.2b
NNC V 09 03 42 12.4–.57 42.25N 79.42E 0 3.9b,3.8
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=3.9km s-min=2.1km az=153.0.
ISC V 10 06 36 02.0–1.2 42.93N–.05 76.97E–.03 17–9 29 0-2
NNC V 10 06 36 01.9–.72 42.88N 76.92E 0 2.6,2.5b **¶612038807**
SOME V 10 06 36 02.3 42.93N 76.97E 15 2.6,2.5b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=5.0km s-min=2.5km az=140.0.
ISC V 18 05 26 50.6–1.2 43.20N–.03 76.78E–.03 1–18 24 0-2
NNC V 18 05 26 50.1–.42 43.21N 76.75E 0 2.6b,2.2 **¶612039146**
SOME V 18 05 26 50.5 43.20N 76.77E 5 2.6b,2.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=4.3km s-min=2.3km az=169.0.
ISC V 21 07 40 39.8–1.2 43.07N–.04 79.99E–.05 10 100 0-8
SOME V 21 07 40 37.0 43.00N 80.20E 10 **¶612039291**
KRNET V 21 07 40 38.1–.10 43.09N 80.22E 27 3.3b
NNC V 21 07 40 38.3–1.2 43.01N 80.15E 2–4 3.7,3.6b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=7.8km s-min=4.9km az=136.0.
ISC V 23 08 07 07.2–.84 42.61N–.02 75.18E–.01 14–6 124 0-8
KNET V 23 08 07 06.9–.26 42.60N 75.17E 10–5 2.5L **¶610769300**
KRNET V 23 08 07 07.3–.10 42.60N 75.16E 21 2.6b
NNC V 23 08 07 07.2–.40 42.61N 75.17E 0 3.5,3.3b
SOME V 23 08 07 08.5 42.62N 75.12E 15 3.5,3.3b
ISC Event type se.
KNET Error ellipse: s-maj=2.8km s-min=1.6km az=12.0.
NNC Event type se. Error ellipse: s-maj=5.1km s-min=1.9km az=151.0.
ISC V 23 14 47 09.0–.92 42.61N–.03 75.17E–.02 16–7 53 0-3
KNET V 23 14 47 08.5–.30 42.59N 75.17E 16–3 1.5L **¶610769302**
NNC V 23 14 47 09.2–.71 42.62N 75.14E 0–4 2.9,2.6b
SOME V 23 14 47 10.0 42.63N 75.12E 15 2.9,2.6b
ISC Event type se.
KNET Error ellipse: s-maj=4.4km s-min=1.9km az=161.0.
NNC Event type se. Error ellipse: s-maj=7.4km s-min=4.1km az=166.0.
ISC V 24 07 23 59.0–1.2 42.87N–.03 78.53E–.02 0–11 65 0-2
NNC V 24 07 23 59.7–.76 42.93N 78.61E 0 3.0,2.9b **¶612039423**
SOME V 24 07 23 59.7 42.90N 78.52E 10 3.0,2.9b
KRNET V 24 07 24 00.4–.10 42.87N 78.51E 30 2.1b,2.9b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=6.9km s-min=3.1km az=170.0.
ISC V 25 21 06 39.7–.76 43.26N–.02 78.76E–.02 10 61 0-2
NNC V 25 21 06 38.8–.40 43.26N 78.79E 3–3 2.6b,2.5 **¶612039500**
KRNET V 25 21 06 39.0–.10 43.26N 78.77E 14 2.4b,2.5
SOME V 25 21 06 39.4 43.23N 78.75E 5 2.4b,2.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=3.3km s-min=1.8km az=177.0.
ISC V 26 01 50 41.6–1.1 42.13N–.03 76.71E–.02 8–10 110 0-9
KRNET V 26 01 50 41.3–.10 42.12N 76.73E 14 3.0b **¶610654554**
NNC V 26 01 50 42.2–.48 42.19N 76.73E 0 3.7,3.6b
SOME V 26 01 50 42.2 42.17N 76.75E 15 3.7,3.6b
KNET V 26 01 50 43.8–.53 42.24N 76.60E 13–2 2.5L,3.6b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=3.0km s-min=1.9km az=169.0.
KNET Error ellipse: s-maj=3.8km s-min=3.4km az=145.0.
ISC V 30 05 40 48.6–1.0 42.93N–.02 78.04E–.01 4–9 172 0-8
NNC V 30 05 40 47.8–.51 42.94N 78.07E 0 4.1,4.0b **¶610655729**
SOME V 30 05 40 48.6 42.93N 78.03E 10 4.1,4.0b
KRNET V 30 05 40 48.4–.10 42.91N 78.08E 22 3.9b,4.0b
KNET V 30 05 40 50.2–.25 42.84N 77.86E 2–2 3.3L,4.0b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=6.7km s-min=1.5km az=175.0.
KNET Error ellipse: s-maj=4.7km s-min=1.4km az=157.0.
ISC V 31 04 37 52.4–.79 43.26N–.02 78.19E–.01 15–5 129 0-6
KRNET V 31 04 37 51.3–.10 43.26N 78.23E 27 3.1b **¶612039783**
SOME V 31 04 37 51.9 43.23N 78.18E 10 3.1b
NNC V 31 04 37 51.4–.31 43.26N 78.20E 0 3.6,3.1b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=3.4km s-min=2.0km az=3.0.
ISC VI 07 11 02 18.0–1.2 43.02N–.10 77.44E–.03 18–7 21 0-2
NNC VI 07 11 02 18.4–.47 42.95N 77.41E 0 2.6,2.1b **¶612088706**
SOME VI 07 11 02 19.0 42.92N 77.40E 10 2.6,2.1b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=5.6km s-min=1.7km az=19.0.
ISC VI 11 08 48 26.6–1.5 42.58N–.05 79.26E–.04 2–11 53 1-5
SOME VI 11 08 48 27.5 42.58N 79.27E 10 **¶612088872**
NNC VI 11 08 48 28.0–.83 42.63N 79.25E 0 3.2b,2.8
KRNET VI 11 08 48 28.1–.10 42.59N 79.21E 9 2.1b,2.8
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=6.0km s-min=2.4km az=148.0.
ISC VI 11 17 10 07.3–2.8 42.3N–.10 76.44E–.08 7–12 21 1-2
SOME VI 11 17 10 06.9 42.25N 76.43E 15 **¶612088887**
NNC VI 11 17 10 07.8–.94 42.36N 76.44E 0 2.7b,2.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=7.7km s-min=4.9km az=96.0.
ISC VI 12 00 02 07.9–.89 43.30N–.02 75.02E–.02 15–8 99 0-2
KRNET VI 12 00 02 07.9–.10 43.30N 75.01E 15 2.3b **¶610758985**
NNC VI 12 00 02 07.9–.33 43.31N 75.02E 0 3.3,2.9b
KNET VI 12 00 02 08.2–.45 43.26N 75.02E 14–3 1.5L,2.9b
SOME VI 12 00 02 08.0 43.30N 74.97E 15 1.5L,2.9b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=3.8km s-min=1.9km az=4.0.
KNET Error ellipse: s-maj=3.8km s-min=2.0km az=15.0.
SOME VI 14 17 58 38.9 42.92N 77.27E 5
NNC VI 14 17 58 39.0–.46 42.95N 77.32E 1–3 2.7,2.4b **¶612088990**
NNC Event type se. Error ellipse: s-maj=3.9km s-min=1.7km az=15.0.
ISC VI 15 03 44 32.9–1.0 43.16N–.03 76.83E–.02 8–9 29 0-2
NNC VI 15 03 44 32.1–.49 43.13N 76.77E 0 2.5b,2.4 **¶612089003**
SOME VI 15 03 44 32.4 43.17N 76.80E 0 2.5b,2.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=3.6km s-min=2.4km az=163.0.
ISC VI 18 07 46 18.2–.99 42.64N–.03 79.69E–.03 8–7 140 1-23
KRNET VI 18 07 46 16.9–.10 42.54N 79.69E 20 4.0b **¶610681508**
NNC VI 18 07 46 18.0–.81 42.62N 79.67E 0 4.6b,4.4
SOME VI 18 07 46 18.0 42.63N 79.60E 10 2.9s,4.4
BJI VI 18 07 46 20.0–.00 42.42N 80.03E 28 4.5b,4.5b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=5.9km s-min=2.9km az=160.0.
ISC VI 20 06 48 55.0–1.1 42.32N–.04 75.80E–.02 12–10 62 0-3
SOME VI 20 06 48 54.7 42.30N 75.82E 15 **¶610759020**
KNET VI 20 06 48 54.3–.47 42.31N 75.75E 0 1.3L
NNC VI 20 06 48 55.3–.30 42.34N 75.84E 0–2 2.9,2.8b
ISC Event type se.
KNET Error ellipse: s-maj=5.1km s-min=2.2km az=12.0.
NNC Event type se. Error ellipse: s-maj=2.0km s-min=1.4km az=13.0.
ISC VI 24 05 48 17.6–.79 42.94N–.02 78.23E–.02 9–4 132 0-8
NNC VI 24 05 48 16.4–.37 42.93N 78.27E 0 3.6,3.5b **¶612053810**
KRNET VI 24 05 48 17.2–.10 42.95N 78.26E 18 3.1b,3.5b
SOME VI 24 05 48 17.0 42.93N 78.27E 10 3.1b,3.5b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=3.9km s-min=1.3km az=171.0.
ISC VI 25 02 50 21.1–.94 43.84N–.02 77.04E–.01 18–2 157 0-7
NNC VI 25 02 50 19.9–.28 43.84N 77.07E 7–2 4.3,4.2b **¶610694628**
SOME VI 25 02 50 20.5 43.87N 77.07E 20 2.4s,4.2b
KRNET VI 25 02 50 20.9–.10 43.78N 77.01E 19 3.6b,4.2b
KNET VI 25 02 50 20.9–.47 43.83N 76.90E 17–4 3.8L,4.2b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=2.1km s-min=1.6km az=5.0.
KNET Error ellipse: s-maj=3.7km s-min=3.0km az=11.0.
ISC VI 29 15 40 50.7–.73 43.11N–.02 78.17E–.01 10 85 0-5
KRNET VI 29 15 40 50.6–.10 43.07N 78.17E 20 2.9b **¶612054082**
NNC VI 29 15 40 50.2–.60 43.17N 78.22E 0 2.9,2.8b
SOME VI 29 15 40 50.7 43.07N 78.15E 10 2.9,2.8b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=17.8km s-min=3.0km az=172.0.
SOME VI 29 21 44 54.9 43.13N 78.43E 10
¶612670832
ISC VI 30 16 07 21.1–1.1 42.48N–.04 75.19E–.02 13–9 56 0-2
KNET VI 30 16 07 21.0–.60 42.47N 75.20E 4–32 1.2L **¶610759074**
SOME VI 30 16 07 21.4 42.43N 75.18E 15 1.2L
NNC VI 30 16 07 21.6–.80 42.49N 75.22E 0 2.7,2.5b
ISC Event type se.
KNET Error ellipse: s-maj=3.7km s-min=2.3km az=137.0.
NNC Event type se. Error ellipse: s-maj=6.4km s-min=3.4km az=172.0.
ISC VI 30 16 21 25.7–1.2 42.46N–.04 75.22E–.02 10–11 53 0-2
KNET VI 30 16 21 25.1–.61 42.47N 75.20E 14–4 1.2L **¶610759075**
NNC VI 30 16 21 26.2–.82 42.51N 75.21E 0 2.6,2.4b
SOME VI 30 16 21 26.0 42.47N 75.22E 10 2.6,2.4b

ISC Event type se.
KNET Error ellipse: s-maj=4.5km s-min=2.1km az=135.0.
NNC Event type se. Error ellipse: s-maj=7.8km s-min=3.8km az=161.0.
ISC VI 30 16 25 41.8–1.2 42.48N–.05 75.19E–.03 11–9 48 0-2
KNET VI 30 16 25 41.7–.60 42.47N 75.18E 16–2 1.1L ¶610759076
SOME VI 30 16 25 41.4 42.42N 75.20E 10 1.1L
NNC VI 30 16 25 42.8–.85 42.53N 75.19E 0 2.6,2.4b
ISC Event type se.
KNET Error ellipse: s-maj=4.2km s-min=2.8km az=123.0.
NNC Event type se. Error ellipse: s-maj=7.0km s-min=3.4km az=166.0.
ISC VI 30 16 39 52.0–1.3 42.46N–.06 75.18E–.04 13–12 32 0-2
KNET VI 30 16 39 51.7–.68 42.46N 75.21E 12–5 1.3L ¶610759077
SOME VI 30 16 39 51.9 42.45N 75.18E 15 1.3L
NNC VI 30 16 39 52.9–.89 42.53N 75.18E 0 2.6b,2.5
ISC Event type se.
KNET Error ellipse: s-maj=3.8km s-min=2.4km az=139.0.
NNC Event type se. Error ellipse: s-maj=9.2km s-min=2.9km az=155.0.
ISC VI 30 16 48 38.4–1.1 42.48N–.04 75.19E–.02 9–12 66 0-3
KNET VI 30 16 48 37.8–.70 42.46N 75.19E 12–9 1.6L ¶610759078
SOME VI 30 16 48 38.0 42.47N 75.18E 5 1.6L
NNC VI 30 16 48 38.7–.44 42.50N 75.22E 0 3.0,3.0b
ISC Event type se.
KNET Error ellipse: s-maj=4.4km s-min=2.5km az=151.0.
NNC Event type se. Error ellipse: s-maj=3.5km s-min=1.9km az=177.0.
ISC VI 30 18 51 14.4–1.6 42.57N–.05 79.57E–.05 11–10 70 1-5
KRNET VI 30 18 51 11.9–.10 42.68N 79.72E 21 2.1b ¶612054127
SOME VI 30 18 51 13.9 42.52N 79.58E 10 2.1b
NNC VI 30 18 51 14.7–.74 42.59N 79.59E 0 3.0b,2.8
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=4.7km s-min=2.6km az=138.0.

(331) Kazakhstan-Xinjiang border region.

ISC I 05 01 32 03.5–1.3 43.06N–.04 80.11E–.03 4–9 106 0-24
IDC I 05 01 32 03.7–4.6 43.13N 80.61E 0 3.6,3.4L ¶610101555
KRNET I 05 01 32 04.7–.10 43.13N 80.16E 26 3.8b,3.4L
SOME I 05 01 32 04.2 43.08N 80.22E 15 3.8b,3.4L
NNC I 05 01 32 04.3–1.2 43.13N 80.16E 4–3 4.1b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=62.8km s-min=32.6km az=87.0.
NNC Event type se. Error ellipse: s-maj=11.0km s-min=3.8km az=152.0.
ISC I 14 18 54 39.0–1.0 45.65N–.04 80.68E–.04 10 52 1-10
NNC I 14 18 54 36.8–.30 45.70N 80.60E 0 3.4b,3.2 ¶612033104
SOME I 14 18 54 38.3 45.63N 80.47E 5 3.4b,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=7.6km s-min=1.8km az=131.0.
ISC I 18 18 26 02.2–2.1 44.11N–.05 80.62E–.07 1–15 58 1-7
SOME I 18 18 26 03.6 44.20N 80.47E 10 ¶612033264
NNC I 18 18 26 03.1–.72 44.23N 80.50E 0 3.5b,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=7.5km s-min=4.2km az=131.0.
ISC I 28 19 50 59.3–1.5 45.70N–.05 82.17E–.10 10 50 1-11
SOME I 28 19 51 00.7 45.73N 82.08E 15 ¶612033717
NNC I 28 19 51 00.2–.84 45.71N 82.07E 0 3.8b,3.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=10.2km s-min=2.5km az=113.0.
ISC II 05 02 55 15.9–1.5 45.29N–.04 80.52E–.04 4–13 42 1-8
NNC II 05 02 55 15.5–.68 45.32N 80.50E 0 3.6b,3.4 ¶612084677
SOME II 05 02 55 18.1 45.27N 80.43E 20 3.6b,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=8.2km s-min=4.4km az=127.0.
ISC II 13 16 16 49.9–1.7 43.17N–.05 80.20E–.05 0–10 93 1-8
SOME II 13 16 16 48.4 43.05N 80.42E 15 ¶612085218
NNC II 13 16 16 48.2–1.2 43.09N 80.38E 0 3.6b,3.5
KRNET II 13 16 16 49.2–.10 43.29N 80.38E 29 3.2b,3.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=9.3km s-min=5.6km az=162.0.
ISC II 22 14 54 32.2–1.2 47.22N–.03 82.34E–.04 9–10 46 0-5
ASRS II 22 14 54 31.6 47.26N 82.24E 10 3.4 ¶612085832
SOME II 22 14 54 31.2 47.22N 81.97E 0 3.4
NNC II 22 14 54 33.5–1.1 47.21N 82.18E 0 3.6b,3.0
ISC Event type ke.
ASRS Event type ke. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/Chuya_zone_Ariefiev's_Velocity_Model. manual. confirmed.
NNC Event type se. Error ellipse: s-maj=6.4km s-min=5.5km az=121.0.
ISC II 24 03 51 50.1–1.5 43.10N–.05 80.17E–.04 3–10 79 0-4
NNC II 24 03 51 48.9–.75 43.09N 80.26E 6–2 3.2b,3.1 ¶612085958
SOME II 24 03 51 49.5 43.10N 80.27E 20 3.2b,3.1
KRNET II 24 03 51 50.1–.10 43.13N 80.24E 25 2.7b,3.1
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=6.1km s-min=3.1km az=158.0.
ISC II 26 15 26 50.6–1.9 43.12N–.06 80.27E–.09 10 54 1-5
SOME II 26 15 26 47.4 43.00N 80.50E 25 ¶612114874
KRNET II 26 15 26 48.4–.10 43.12N 80.51E 26 3.5b
ISC Event type ke.
ISC III 03 23 52 19.4–2.4 43.10N–.06 80.03E–.09 2–13 35 0-3
KRNET III 03 23 52 15.6–.10 43.04N 80.52E 2.6b ¶612114919
SOME III 03 23 52 18.2 43.00N 80.12E 20 2.6b
ISC Event type ke.
ISC III 17 05 23 09.5–1.8 45.6N–.20 81.5E–.20 10 12 1-5
SOME III 17 05 23 17.2 45.57N 79.73E 5 ¶612087382
NNC III 17 05 23 18.3–1.4 45.51N 79.96E 0 2.5b,2.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=20.1km s-min=8.9km az=94.0.
ISC IV 04 15 07 30.7–.32 47.22N–.02 84.96E–.02 18–1 5.4b,4.7s 1405 0-161
IDC IV 04 15 07 27.9–.36 47.28N 85.09E 0 5.1,5.1L ¶610482622
BJI IV 04 15 07 28.2–.00 47.22N 85.12E 11 5.6L,5.3s
MOS IV 04 15 07 29.0–.99 47.17N 85.06E 18 5.6b,4.8s
BGR IV 04 15 07 30.5 46.32N 85.18E 33 5.8b,4.7s
GCMT IV 04 15 07 30.9–.20 47.28N–.01 85.08E–.02 33–1 5.3W,4.7s
NNC IV 04 15 07 30.1–1.4 47.26N 84.90E 0 6.0b,5.8
SOME IV 04 15 07 31.0 47.37N 84.78E 15 4.9s,5.8
NEIC IV 04 15 07 31.9–1.2 47.27N–.07 85.05E–.10 25–4 5.4b,5.1
ASRS IV 04 15 07 33.2–.18 47N–1.0 85E–1.0 10 6.4,5.1
NEIC IV 04 15 07 33.2 47.36N 84.74E 26 6.4,5.1
NEIC IV 04 15 07 33.2 47.26N 85.04E 26 6.4,5.1
ISC Event type ke.
IDC Error ellipse: s-maj=7.6km s-min=5.9km az=2.0.
MOS Event type fe. Error ellipse: s-maj=3.7km s-min=3.3km az=18.4. Felt (V-VI) at Zaisan. Moment Tensor Solution.
BGR Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s59,c75; s129,c212;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.12±.03 $M_{\theta\theta}$-0.80±.02; $M_{\phi\phi}$0.68±.02; $M_{r\theta}$-0.34±.04; $M_{\theta\phi}$-0.49±.02; $M_{\phi r}$0.14±.03; Best double couple: NP1:ϕ_s297.00000°,δ88.00000°,λ157.00000°. NP2:ϕ_s28.00000°,δ67.00000°,λ2.00000°. Principal axes: T 0.9050,Plg17.0000° ,Azm251.0000°; N 0.1180,Plg67.0000°,Azm112.0000°; P -1.0220,Plg14.0000° ,Azm345.0000° $M_0$0.96400×10^{17}
NNC Event type se. Error ellipse: s-maj=16.5km s-min=5.7km az=112.0.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=8.8km az=139.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ASRS Event type ke. Error ellipse: s-maj=3.5km s-min=1.5km az=126.0. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/tab. manual. confirmed.
NEIC Event type se. Moment Tensor Solution.Duration: 1s9 Moment tensor: Scale 10^{16}Nm; M_{rr}0.31 $M_{\theta\theta}$-3.60 $M_{\phi\phi}$3.29 $M_{r\theta}$-0.10 $M_{\theta\phi}$-3.64 $M_{\phi r}$-1.05 NP1:ϕ_s202.17000°,δ85.96000° ,λ11.73000°. NP2:ϕ_s111.33000°,δ78.30000°,λ175.87000°. Principal axes: T 5.0367,Plg11.0000°,Azm67.0000°; N 0.1789,Plg78.0000°,Azm221.0000° ; P -5.2156,Plg5.0000°,Azm336.0000° $M_0$5.13000×10^{16}
NEIC Event type se.
NNC IV 04 15 42 42.8–2.4 47.41N 84.95E 0 3.5b,3.1
NNC Event type se. Error ellipse: s-maj=20.3km s-min=11.9km az=121.0. ¶612037077
ISC IV 10 13 04 43.6–3.6 47.20N–.08 84.90E–.07 15–29 34 0-9
ASRS IV 10 13 04 36.9–.58 47N–4.0 85E–3.0 9 3.4 ¶612037385
SOME IV 10 13 04 39.4 47.15N 84.73E 10 3.4
NNC IV 10 13 04 41.3–4.5 47.28N 84.82E 0 3.5b,3.4
ISC Event type ke.
ASRS Event type ke. Error ellipse: s-maj=9.6km s-min=3.5km az=138.3. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NNC Event type se. Error ellipse: s-maj=31.6km s-min=14.0km az=73.0.
ISC IV 18 06 15 34.5–1.4 47.41N–.04 83.16E–.04 4–11 64 1-10
SOME IV 18 06 15 35.3 47.60N 82.72E 10 ¶612037733
NNC IV 18 06 15 36.3–.43 47.40N 82.89E 13–5 4.1b,4.0
ASRS IV 18 06 15 36.4–.22 47N–3.0 83E–3.0 10 4.1,4.0
ISC Event type ke.
NNC Event type se.
ASRS Event type ke. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC IV 27 20 00 26.6–1.1 45.86N–.03 80.77E–.03 1–11 82 1-73
NNC IV 27 20 00 28.2–.44 45.81N 80.92E 0 4.0b,3.8 ¶610650161
SOME IV 27 20 00 29.1 45.73N 80.77E 5 4.0b,3.8
IDC IV 27 20 00 30.4–1.6 45.96N 80.95E 0 3.7b,3.3
ASRS IV 27 20 00 39.2–.36 46N–4.0 81E–4.0 4 4.2,3.3
ISC Event type ke.
NNC Event type se.
ASRS Event type ke. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC V 09 18 03 55.8–3.5 47.15N–.09 85.4E–.20 10 9 0-6
SOME V 09 18 03 55.2 47.13N 84.98E 0 ¶612038794
NNC V 09 18 03 56.5–4.1 47.15N 85.21E 5–49 3.0b,2.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=50.1km s-min=20.0km az=79.0.
ISC V 12 07 07 26.4–1.0 45.9N–.10 81.6E–.20 9 10 1-5
SOME V 12 07 07 28.4 45.77N 81.37E 15 ¶612038904
NNC V 12 07 07 28.5–4.6 45.94N 81.55E 0 2.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=26.4km s-min=11.1km az=31.0.
ISC V 24 00 52 40.2–.88 49.92N–.03 87.91E–.04 10 41 0-12
ASRS V 24 00 52 38.1 50N–3.0 88E–3.0 10–2 3.5 ¶610685258
IDC V 24 00 52 39.0–2.0 49.92N 87.91E 0 3.2,2.7L
NNC V 24 00 52 42.7–3.0 49.90N 87.66E 0 3.5b,3.1
ISC Event type ke.
ASRS Event type ke. smi:org.gfz-potsdam.de/geofon/Hypo71. earthModelID smi:org.gfz-potsdam.de/geofon/Beltir_Velocity_Model. manual. confirmed.
IDC Error ellipse: s-maj=18.7km s-min=14.5km az=97.0.
NNC Event type se. Error ellipse: s-maj=22.1km s-min=14.3km az=76.0.
ISC V 30 16 49 19.4–.46 47.43N–.03 85.55E–.03 10 112 0-30
BJI V 30 16 49 15.0–.00 47.70N 85.30E 10 4.1b,4.0L ¶610656107
SOME V 30 16 49 16.1 47.53N 85.40E 5 4.1b,4.0L
NNC V 30 16 49 18.8–.98 47.34N 85.47E 0 4.4b,4.2
MOS V 30 16 49 18.6–1.8 47.63N 85.13E 14 4.2b,4.2
ASRS V 30 16 49 21.4–.35 48N–2.0 85E–2.0 9 4.4,4.2
ISC Event type ke.
NNC Event type se.
ASRS Event type ke. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

(332) Northern Xinjiang.

ISC I 02 08 55 28.4–.31 43.85N–.04 86.35E–.03 30 4.4b,3.2s 275 1-146
IDC I 02 08 55 23.3–.48 43.80N 86.36E 0 4.2,4.1b ¶609949681
NNC I 02 08 55 25.4–.99 43.85N 86.28E 0 4.7b,4.6
MOS I 02 08 55 26.6–.93 43.83N 86.34E 31 4.5b,4.6
NEIC I 02 08 55 29.9–1.7 43.85N–.05 86.27E–.09 35–2 4.6b,4.6
ISC Event type se.
NNC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 05 03 41 46.9–3.1 43.9N–.10 86.1E–.20 10 23 4-9
NNC I 05 03 41 47.2–2.2 43.94N 86.17E 7–8 3.9b,3.6 ¶612032700
SOME I 05 03 41 48.9 43.92N 86.02E 20 3.9b,3.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=16.6km s-min=12.7km az=104.0.
ISC I 05 09 08 33.0–2.3 44.5N–.10 82.1E–.10 10 14 2-4
SOME I 05 09 08 33.3 44.55N 81.90E 5 ¶612032709
NNC I 05 09 08 35.6–.73 44.61N 81.74E 20–13 3.6b,3.1
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=11.9km s-min=4.1km az=170.0.
ISC I 08 06 39 32.7–2.7 42.1N–.10 82.1E–.10 10 34 2-6
SOME I 08 06 39 26.5 41.90N 82.33E 5 ¶612032848
NNC I 08 06 39 28.5–1.3 41.91N 82.33E 0 3.7b,3.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=10.0km s-min=6.2km az=159.0.
ISC I 08 12 57 35.0–1.6 44.31N–.05 81.18E–.06 11–12 30 1-4
SOME I 08 12 57 36.2 44.32N 81.00E 5 ¶612032864
NNC I 08 12 57 37.1–4.2 44.57N 80.92E 0 2.8b,2.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=66.3km s-min=11.2km az=132.0.
ISC I 11 09 17 42.5–1.6 44.66N–.08 82.37E–.09 10 18 2-4
NNC I 11 09 17 43.5–2.4 44.47N 82.16E 0 3.6b,3.4 ¶612032966
SOME I 11 09 17 44.7 44.63N 82.22E 30 3.6b,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=26.8km s-min=11.5km az=141.0.
SOME I 13 07 45 51.6 42.55N 81.20E 0
¶610237285
SOME I 15 01 04 05.5 42.17N 81.12E 10
¶612668063
SOME I 15 03 10 29.0 42.33N 81.08E 5
¶612668075
ISC I 20 19 52 52.8–.74 42.75N–.06 84.06E–.04 10 3.8b 75 3-80
IDC I 20 19 52 49.9–.80 42.54N 84.17E 0 3.8b,3.7 ¶610184271
SOME I 20 19 52 54.7 42.92N 83.90E 0 3.8b,3.7
NNC I 20 19 52 57.5–1.6 42.85N 83.88E 0 4.3b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=20.4km s-min=11.8km az=62.0.
NNC Event type se. Error ellipse: s-maj=13.9km s-min=6.6km az=147.0.
ISC I 20 20 06 45.9–.50 42.06N–.05 81.28E–.04 16 4.2b 127 2-81
IDC I 20 20 06 43.2–.86 42.09N 81.30E 0 3.9b,3.8 ¶610105026
SOME I 20 20 06 45.0 42.20N 81.08E 0 3.9b,3.8
NNC I 20 20 06 47.3–.98 42.20N 81.08E 0 4.5b,4.2
NEIC I 20 20 06 48.9–1.5 42.15N–.08 81.3E–.10 33–6 4.4b,4.2
ISC Event type se.
NNC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 26 01 11 23.1–2.7 42.2N–.10 82.0E–.10 14 41 2-6
SOME I 26 01 11 16.1 41.93N 82.27E 15 ¶612033603
NNC I 26 01 11 20.2–1.1 42.05N 82.18E 0 3.6b,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=8.8km s-min=4.6km az=157.0.
ISC I 29 23 46 38.9–2.9 43.9N–.10 82.4E–.20 10 16 2-3
SOME I 29 23 46 08.6 44.33N 84.80E 15 ¶612033776
NNC I 29 23 46 46.7–4.1 44.16N 83.05E 0 3.0b,2.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=48.3km s-min=30.3km az=107.0.
ISC I 31 02 42 53.0–3.2 44.1N–.10 87.2E–.20 10 22 4-9
NNC I 31 02 42 52.2–3.0 44.26N 87.47E 0 4.1b,3.8 ¶612033823
SOME I 31 02 42 57.2 44.27N 87.00E 20 4.1b,3.8
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=23.8km s-min=13.7km az=94.0.
ISC I 31 04 04 12.0–1.7 44.44N–.07 81.7E–.10 33–5 28 1-7

SOME I 31 04 04 13.6 44.60N 81.45E 20 ¶612033826
NNC I 31 04 04 15.0–1.9 44.52N 81.98E 0 3.4b,3.0
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=25.6km s-min=7.2km az=119.0.
ISC I 31 10 28 15.0–.77 43.89N–.09 88.23E–.07 18 4.2b 62 4-92
SOME I 31 10 28 11.6 43.90N 86.58E 20 4.2b ¶610235812
IDC I 31 10 28 12.4–.98 43.83N 88.25E 0 3.9b,3.7
NEIC I 31 10 28 15.7–1.2 43.71N–.10 88.32E–.09 30–5 4.5b,3.7
NNC I 31 10 28 22.5–5.6 43.82N 86.08E 0 4.2b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=30.1km s-min=12.0km az=44.0.
NEIC Event type se. Error ellipse: s-maj=14.6km s-min=8.8km az=169.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=50.5km s-min=24.3km az=141.0.
ISC I 31 16 33 40.6–1.0 44.10N–.06 84.73E–.08 10 3.6b 19 3-81
IDC I 31 16 33 35.3–1.6 43.95N 85.43E 0 3.7,3.6b ¶610235833
SOME I 31 16 33 42.7 44.17N 84.60E 10 3.7,3.6b
NNC I 31 16 33 55.5–2.3 44.61N 84.64E 0 4.2b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=49.4km s-min=19.4km az=62.0.
NNC Event type se. Error ellipse: s-maj=47.4km s-min=19.0km az=52.0.
ISC II 01 08 14 35.8–3.9 43.8N–.20 86.8E–.20 10 15 4-6
NNC II 01 08 14 37.1–4.7 44.09N 86.89E 0 3.9b,3.6 ¶612084437
SOME II 01 08 14 40.2 44.25N 86.68E 10 3.9b,3.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=33.7km s-min=24.9km az=116.0.
ISC II 01 13 51 24.3–6.2 43.9N–.20 87.7E–.40 10 11 4-9
NNC II 01 13 51 15.6–5.7 43.79N 88.75E 0 3.8b,3.4 ¶612084460
SOME II 01 13 51 24.5 44.03N 87.80E 10 3.8b,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=46.0km s-min=38.7km az=108.0.
ISC II 06 15 32 57.8–2.8 43.95N–.09 84.8E–.20 10 21 3-8
SOME II 06 15 32 50.0 44.27N 85.47E 5 ¶612084760
NNC II 06 15 32 56.3–3.4 44.09N 85.41E 0 3.4b,2.9
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=71.7km s-min=23.1km az=50.0.
ISC II 07 07 01 53.1–2.2 42.2N–.10 82.07E–.08 14 51 2-6
SOME II 07 07 01 50.1 42.27N 82.22E 5 ¶612084796
NNC II 07 07 01 50.9–1.4 42.18N 82.16E 0 3.6b,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=10.6km s-min=5.0km az=153.0.
ISC II 09 01 07 50.1–2.5 42.5N–.10 84.9E–.10 10 29 3-46
IDC II 09 01 07 46.2–3.2 42.37N 85.25E 0 3.8b,3.7 ¶610415149
SOME II 09 01 07 51.4 42.57N 84.85E 10 3.8b,3.7
NNC II 09 01 08 06.7–5.7 43.15N 85.27E 0 3.2b,2.8
ISC Event type se.
IDC Error ellipse: s-maj=37.7km s-min=32.4km az=133.0.
NNC Event type se. Error ellipse: s-maj=44.4km s-min=40.1km az=154.0.
NNC II 09 18 08 38.3–5.2 43.50N 88.18E 0 3.7b,3.4
¶612084948
NNC Event type se. Error ellipse: s-maj=37.9km s-min=29.5km az=128.0.
ISC II 14 10 34 21.0–2.5 42.1N–.10 82.97E–.09 10 40 3-9
NNC II 14 10 34 12.4–4.6 41.74N 83.29E 0–15 4.0b,3.8 ¶612085274
SOME II 14 10 34 19.6 41.82N 82.93E 10 4.0b,3.8
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=40.4km s-min=28.8km az=7.0.
ISC II 14 19 01 16.0–1.6 44.1N–.10 86.42E–.08 10 18 4-19
IDC II 14 19 01 14.1–2.8 44.06N 86.41E 0 3.4,2.9L ¶610415520
NNC II 14 19 01 33.9–17 45.54N 83.98E 0 3.7b,3.3
ISC Event type se.
IDC Error ellipse: s-maj=27.6km s-min=24.2km az=15.0.
NNC Event type se. Error ellipse: s-maj=132.2km s-min=89.8km az=160.0.
SOME II 26 18 50 35.5 42.40N 81.05E 15
¶612669452
SOME II 26 22 19 35.6 42.37N 81.03E 0
NNC II 26 22 19 45.1–9.6 42.49N 80.68E 0 2.7b,2.5 ¶612086126
NNC Event type se. Error ellipse: s-maj=87.5km s-min=52.0km az=89.0.
ISC II 26 23 46 37.9–1.6 42.87N–.08 85.36E–.09 10 22 4-16
NNC II 26 23 46 10.7–2.0 42.32N 86.80E 0 3.9b,3.7 ¶610385086
IDC II 26 23 46 39.2–5.6 42.81N 85.93E 0 3.2,2.8L
SOME II 26 23 46 42.8 43.42N 85.68E 15 3.2,2.8L
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=13.5km s-min=8.8km az=150.0.
IDC Error ellipse: s-maj=72.6km s-min=31.2km az=31.0.
ISC II 28 00 19 17.4–3.4 42.1N–.20 81.8E–.10 14 28 2-6
SOME II 28 00 18 54.2 41.63N 83.52E 5 ¶612086234
NNC II 28 00 18 56.4–.73 41.69N 83.46E 0 4.1b,3.7
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=5.2km s-min=4.0km az=159.0.
NNC II 28 08 15 44.4–1.9 43.89N 86.15E 0 4.0b,3.8
¶612086257
NNC Event type se. Error ellipse: s-maj=12.7km s-min=8.0km az=119.0.
ISC III 02 00 17 17.3–1.4 44.29N–.04 81.17E–.04 4–9 3.6b 129 1-80
IDC III 02 00 17 15.4–1.0 44.23N 81.24E 0 3.6,3.6b ¶610545356
NNC III 02 00 17 17.6–.51 44.30N 81.21E 0 4.5b,4.3
SOME III 02 00 17 18.0 44.27N 81.13E 10 2.9s,4.3
ISC Event type se.
IDC Error ellipse: s-maj=13.9km s-min=9.1km az=123.0.
NNC Event type se. Error ellipse: s-maj=6.8km s-min=2.2km az=127.0.
ISC III 02 17 12 23.5–.95 43.37N–.08 88.63E–.08 10 3.5b 30 1-79
IDC III 02 17 12 21.9–.98 43.29N 88.77E 0 3.6,3.5b ¶610545402
NNC III 02 17 12 26.7–5.4 43.35N 88.11E 0 4.3b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=33.2km s-min=12.4km az=48.0.
NNC Event type se. Error ellipse: s-maj=42.1km s-min=34.7km az=95.0.
ISC III 03 13 58 02.5–2.6 46.84N–.08 89.6E–.10 10 28 3-8
NNC III 03 13 58 00.5–2.1 46.87N 89.69E 0 3.6b,3.2 ¶612086537
ASRS III 03 13 58 07.1–.72 47N–3.0 89E–4.0 10 3.4,3.2
ISC Event type ke.
NNC Event type se.
ASRS Event type ke. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/tab. manual. confirmed.
NNC III 07 14 18 00.9–3.1 43.84N 88.59E 0 3.7b,3.2
¶612086764
NNC Event type se. Error ellipse: s-maj=26.6km s-min=21.3km az=57.0.
ISC III 09 08 53 51.1–2.4 46.86N–.08 89.6E–.10 10 29 3-8
NNC III 09 08 53 47.9–1.7 46.96N 89.76E 0 3.4b,3.0 ¶612086852
ASRS III 09 08 53 52.9–.77 47N–4.0 89E–7.0 9 3.1,3.0
ISC Event type ke.
NNC Event type se.
ASRS Event type ke. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC III 10 03 09 49.3–.77 43.63N–.05 83.91E–.05 10 3.6b 74 3-161
IDC III 10 03 09 47.4–.88 43.62N 84.05E 0 3.7,3.7b ¶610470943
NNC III 10 03 09 51.5–1.6 43.69N 83.76E 0 4.2b,3.9
SOME III 10 03 09 53.6 43.70N 83.72E 10 4.2b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=18.1km s-min=11.1km az=65.0.
NNC Event type se. Error ellipse: s-maj=14.7km s-min=6.4km az=129.0.
ISC III 12 21 41 09.4–.59 47.92N–.04 90.67E–.04 10 3.8b,3.2s 142 3-80
IDC III 12 21 41 05.5–.92 47.78N 90.98E 0 3.8,3.7b ¶610470951
MOS III 12 21 41 05.3–1.7 47.62N 90.92E 11 4.2b,3.7b
NNC III 12 21 41 10.0–1.3 48.03N 90.47E 0 4.5b,4.3
ASRS III 12 21 41 12.4–.34 48N–2.0 91E–2.0 10 5.0,4.3
ISC Event type ke.
NNC Event type se.
ASRS Event type ke. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/tab. manual. confirmed.
ISC III 13 05 28 52.3–2.2 47.71N–.07 89.3E–.10 11 28 2-8
NNC III 13 05 28 50.1–3.6 47.70N 89.27E 0 3.8b,3.4 ¶612087118
SOME III 13 05 28 53.4 47.07N 88.77E 15 3.8b,3.4
ASRS III 13 05 28 54.8–.79 48N–3.0 89E–5.0 9 3.9,3.4
ISC Event type ke.
NNC Event type se.
ASRS Event type ke. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NNC III 14 22 16 49.3–2.6 43.76N 82.13E 0 2.6b,2.3
SOME III 14 22 16 48.8 43.62N 82.05E 10 2.6b,2.3 ¶612087216
NNC Event type se. Error ellipse: s-maj=31.2km s-min=7.0km az=134.0.
ISC III 15 11 13 56.1–1.5 44.06N–.09 81.96E–.08 10 29 2-7
SOME III 15 11 13 56.7 44.15N 81.85E 15 ¶612087272
NNC III 15 11 13 57.9–1.5 44.28N 81.81E 0 3.5b,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=19.4km s-min=6.0km az=130.0.
ISC III 15 11 57 55.6–6.0 44.2N–.20 83.2E–.40 10 6 2-4
SOME III 15 11 57 57.0 44.23N 82.85E 0 ¶612087275
NNC III 15 11 57 59.5–3.0 44.38N 82.75E 0 2.6b,2.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=32.6km s-min=7.8km az=117.0.
ISC III 16 11 18 17.6–.63 42.02N–.05 81.30E–.04 10 3.9b 126 2-75
IDC III 16 11 18 14.7–1.1 41.95N 81.47E 0 3.9b,3.8 ¶610330714
SOME III 16 11 18 14.5 42.05N 81.35E 10 3.9b,3.8
NNC III 16 11 18 17.1–.61 42.10N 81.24E 0 4.6b,4.4
MOS III 16 11 18 18.0–1.4 42.06N 81.42E 30 4.4b,4.4
NEIC III 16 11 18 22.1–1.4 42.2N–.10 81.3E–.10 32–7 4.3b,4.4
ISC Event type se.
NNC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 16 18 45 39.8–6.1 46.2N–.10 86.0E–.40 10 6 2-7
SOME III 16 18 45 40.9 46.47N 85.83E 0 ¶612087358
NNC III 16 18 45 42.4–2.5 46.31N 85.79E 4–11 2.9b,2.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=19.5km s-min=16.8km az=28.0.
ISC III 19 05 07 12.6–1.2 43.87N–.08 84.26E–.07 10 3.4b 54 3-76
IDC III 19 05 07 09.8–1.8 44.00N 84.70E 0 3.2,3.2b ¶610546490
SOME III 19 05 07 14.6 44.20N 84.28E 0 3.2,3.2b
NNC III 19 05 07 15.8–1.2 44.10N 84.36E 0 3.8b,3.4
ISC Event type se.
IDC Error ellipse: s-maj=22.8km s-min=16.7km az=82.0.
NNC Event type se. Error ellipse: s-maj=10.7km s-min=4.7km az=130.0.
ISC III 19 12 09 34.5–4.6 44.2N–.20 83.1E–.30 10 7 2-4
SOME III 19 12 09 35.0 44.27N 83.00E 20 ¶612087553
NNC III 19 12 09 36.7–3.4 44.38N 82.73E 0 2.7b,2.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=36.6km s-min=8.7km az=118.0.
ISC III 21 10 13 53.1–4.2 42.1N–.20 82.7E–.20 10 36 3-5
SOME III 21 10 13 57.0 41.77N 81.98E 15 ¶612087692
NNC III 21 10 13 59.0–1.8 41.80N 81.87E 0 3.5b,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=13.4km s-min=8.4km az=163.0.
NNC III 21 11 10 06.2–5.8 44.06N 87.97E 0 3.5b,3.1
¶612087695
NNC Event type se. Error ellipse: s-maj=96.4km s-min=41.4km az=39.0.
ISC III 23 10 46 29.0–3.8 44.2N–.10 83.2E–.20 10 9 2-3
SOME III 23 10 46 35.4 44.43N 82.78E 5 ¶612087824
NNC III 23 10 46 35.5–3.1 44.23N 83.26E 0 2.6b,2.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=30.8km s-min=8.8km az=117.0.
SOME III 24 23 46 06.0 42.30N 81.02E 15
¶612670290
ISC III 27 06 17 17.7–3.0 42.1N–.20 83.1E–.10 10 17 3-6
SOME III 27 06 17 08.1 41.55N 83.52E 15 ¶612088066
NNC III 27 06 17 11.5–2.6 41.72N 83.42E 0 3.5b,3.1
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=23.2km s-min=14.9km az=177.0.
ISC III 28 11 33 34.1–1.1 44.66N–.06 82.02E–.06 10 24 2-4
SOME III 28 11 33 34.8 44.73N 81.92E 20 ¶612088177
NNC III 28 11 33 34.4–.92 44.66N 81.95E 0 3.6,3.4b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=10.6km s-min=3.8km az=129.0.
ISC III 29 09 54 30.6–3.2 42.0N–.20 81.7E–.10 16 21 2-5
SOME III 29 09 54 31.3 41.77N 81.50E 10 ¶612088235
NNC III 29 09 54 31.7–2.4 42.16N 81.75E 0 3.5b,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=19.2km s-min=12.0km az=164.0.
ISC III 29 19 25 20.8–4.5 43.9N–.20 86.2E–.20 10 5 4-9
SOME III 29 19 25 14.6 44.08N 86.07E 30 ¶612088255
NNC III 29 19 25 18.3–3.0 43.98N 86.38E 0 3.6b,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=94.7km s-min=21.6km az=45.0.
ISC IV 02 05 31 16.8–1.7 44.3N–.10 82.9E–.10 17 31 2-8
NNC IV 02 05 31 15.7–2.1 44.30N 82.87E 0 3.7b,3.4 ¶612036932
SOME IV 02 05 31 16.7 44.27N 82.85E 20 3.7b,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=20.3km s-min=8.6km az=133.0.
ISC IV 04 02 11 26.5–1.5 44.25N–.05 81.25E–.05 4–12 61 1-8
SOME IV 04 02 11 27.7 44.27N 81.28E 15 ¶612037018
NNC IV 04 02 11 28.1–.48 44.31N 81.21E 0 3.7b,3.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=5.0km s-min=2.3km az=129.0.
ISC IV 04 07 47 35.7–1.8 43.92N–.07 82.63E–.09 10 50 2-8
NNC IV 04 07 47 36.0–1.1 43.99N 82.62E 0 3.8b,3.5 ¶612037034
SOME IV 04 07 47 35.9 43.95N 82.62E 10 3.8b,3.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=9.2km s-min=3.1km az=129.0.
ISC IV 04 11 17 19.6–2.8 46.98N–.10 89.4E–.10 10 21 3-8
NNC IV 04 11 17 12.6–1.8 47.00N 89.76E 0 3.6b,3.2 ¶612037061
ASRS IV 04 11 17 21.5–.86 47N–6.0 90E–14 10 3.1,3.2
ISC Event type ke.
NNC Event type se.
ASRS Event type ke. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC IV 09 08 58 27.1–4.1 42.7N–.10 81.2E–.20 10 37 1-4
SOME IV 09 08 58 24.7 42.62N 81.27E 15 ¶612037336
NNC IV 09 08 58 25.8–.65 42.65N 81.18E 0 3.9b,3.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=4.6km s-min=3.9km az=7.0.
ISC IV 12 08 14 00.7–.93 43.87N–.07 87.59E–.07 10–8 3.6b 25 0-77
IDC IV 12 08 13 59.0–1.2 43.57N 87.16E 0 3.7b,3.6 ¶610652533
NNC IV 12 08 14 00.5–1.7 43.90N 87.36E 0 4.1b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=41.7km s-min=13.2km az=51.0.
NNC Event type se. Error ellipse: s-maj=12.4km s-min=9.0km az=108.0.
NNC IV 12 17 59 54.3–2.7 44.15N 86.94E 0 3.7b,3.3
¶612037505
NNC Event type se. Error ellipse: s-maj=22.1km s-min=15.2km az=84.0.
ISC IV 13 20 29 16.1–2.5 43.63N–.10 85.0E–.10 10 20 4-7
SOME IV 13 20 29 13.6 44.08N 85.32E 15 ¶612037554
NNC IV 13 20 29 16.3–3.7 44.21N 85.15E 0 3.6b,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=34.0km s-min=9.6km az=127.0.
ISC IV 14 13 08 43.6–2.2 44.01N–.09 85.9E–.10 10 21 4-15
IDC IV 14 13 08 39.5–4.8 43.91N 86.21E 0 3.1,2.7L ¶610652729
NNC IV 14 13 08 40.2–2.6 43.76N 85.99E 0 3.5b,3.3
ISC Event type ke.
IDC Error ellipse: s-maj=56.8km s-min=29.3km az=19.0.
NNC Event type se. Error ellipse: s-maj=20.5km s-min=9.5km az=124.0.
NNC IV 14 14 31 15.1–3.2 43.76N 87.79E 0 3.6b,3.2
¶612037598
NNC Event type se. Error ellipse: s-maj=31.5km s-min=22.8km az=66.0.

ISC IV 14 19 22 27.0–2.0 42.57N–.07 81.07E–.05 11–11 57 1-19
KRNET IV 14 19 22 24.4–.10 42.17N 80.96E 16 3.8b ¶610652750
SOME IV 14 19 22 24.3 42.10N 80.77E 0 3.8b
IDC IV 14 19 22 29.8–4.2 42.37N 81.85E 0 3.0,2.7L
NNC IV 14 19 22 30.0–3.6 42.40N 80.86E 0 3.6b,3.3
ISC Event type se.
IDC Error ellipse: s-maj=49.2km s-min=35.0km az=63.0.
NNC Event type se. Error ellipse: s-maj=27.4km s-min=16.4km az=153.0.
ISC IV 16 08 49 01.2–2.8 44.9N–.20 81.8E–.30 10 9 2-3
NNC IV 16 08 48 58.6–.86 44.69N 82.28E 0 3.4b,3.0 ¶612037657
SOME IV 16 08 49 00.2 44.90N 81.80E 10 3.4b,3.0
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=11.8km s-min=2.0km az=116.0.
ISC IV 16 12 33 58.4–1.6 44.52N–.09 81.2E–.20 17–13 13 1-2
SOME IV 16 12 33 58.4 44.52N 81.07E 0 ¶612037669
NNC IV 16 12 34 02.3–1.8 44.43N 81.12E 0 2.9b,2.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=38.4km s-min=5.8km az=123.0.
ISC IV 19 21 19 33.4–3.9 43.0N–.20 82.5E–.20 10 34 2-5
SOME IV 19 21 19 26.6 42.73N 82.97E 10 ¶612037823
NNC IV 19 21 19 29.3–1.7 42.79N 82.84E 0 3.5b,3.1
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=13.9km s-min=7.9km az=151.0.
ISC IV 22 00 41 40.2–3.5 42.9N–.20 82.4E–.10 10 8 2-4
SOME IV 22 00 41 41.9 42.95N 82.33E 5 ¶612037928
NNC IV 22 00 41 43.0–1.1 42.90N 82.46E 0 3.0b,2.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=9.9km s-min=4.5km az=143.0.
ISC IV 25 12 13 44.2–4.1 44.1N–.20 81.9E–.30 10 7 2-3
SOME IV 25 12 13 46.9 44.17N 81.55E 10 ¶612038100
NNC IV 25 12 13 48.4–2.1 44.16N 81.63E 0 2.7b,2.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=31.2km s-min=4.7km az=126.0.
ISC IV 25 12 40 29.8–2.4 44.7N–.10 82.2E–.20 10 9 2-3
SOME IV 25 12 40 29.7 44.52N 82.08E 10 ¶612038102
NNC IV 25 12 40 29.1–.78 44.68N 81.99E 0 3.3b,2.8
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=12.2km s-min=2.4km az=116.0.
ISC IV 26 12 06 19.6–1.3 44.2N–.10 88.14E–.10 10 17 4-79
NNC IV 26 12 06 12.1–3.9 43.44N 88.18E 0 3.9b,3.5 ¶610650057
IDC IV 26 12 06 18.2–1.2 44.24N 88.18E 0 3.4b,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=30.5km s-min=23.8km az=122.0.
IDC Error ellipse: s-maj=53.5km s-min=14.3km az=43.0.
NNC V 03 05 53 14.2–2.0 42.75N 88.11E 0 3.7b,3.3
¶612038406
NNC Event type se. Error ellipse: s-maj=21.1km s-min=18.2km az=64.0.
ISC V 03 19 21 08.4–1.5 43.64N–.08 84.78E–.08 10 46 3-16
SOME V 03 19 21 05.9 43.58N 84.72E 0 ¶610689499
IDC V 03 19 21 07.2–2.6 43.68N 84.87E 0 3.2,2.9L
NNC V 03 19 21 11.2–1.0 43.68N 84.51E 0 4.0b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=27.7km s-min=22.0km az=73.0.
NNC Event type se. Error ellipse: s-maj=8.8km s-min=4.4km az=132.0.
ISC V 07 19 04 33.3–.82 42.09N–.06 84.94E–.06 10 3.6b 51 4-80
SOME V 07 19 04 27.4 41.95N 84.98E 5 3.6b ¶610689750
IDC V 07 19 04 32.3–.84 42.00N 84.79E 0 3.6b,3.5
NNC V 07 19 04 35.9–2.0 42.26N 84.74E 0 3.8b,3.5
ISC Event type se.
IDC Error ellipse: s-maj=22.4km s-min=12.4km az=53.0.
NNC Event type se. Error ellipse: s-maj=16.9km s-min=9.8km az=151.0.
ISC V 10 01 53 43.4–5.4 42.2N–.30 82.3E–.20 13 10 2-5
SOME V 10 01 53 35.3 41.87N 82.45E 0 ¶612038800
NNC V 10 01 53 43.5–3.2 42.15N 82.45E 0 3.3b,2.9
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=27.4km s-min=9.9km az=140.0.
ISC V 13 10 55 43.4–2.5 44.8N–.10 81.9E–.20 10 11 2-3
SOME V 13 10 55 37.8 44.63N 82.10E 15 ¶612038960
NNC V 13 10 55 40.7–1.3 44.72N 81.95E 0 3.5b,3.0
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=20.6km s-min=2.9km az=117.0.
ISC V 16 12 24 00.2–3.3 44.3N–.10 83.0E–.20 17 10 2-3
SOME V 16 12 23 58.3 44.42N 82.88E 5 ¶612039084
NNC V 16 12 24 02.0–6.2 44.30N 83.04E 0 2.7b,2.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=67.3km s-min=18.2km az=118.0.
ISC V 17 14 38 59.4–.67 42.52N–.08 85.80E–.08 10 3.6b,2.7s 33 5-146
IDC V 17 14 38 57.5–.67 42.44N 85.79E 0 3.7,3.7b ¶610667692
NNC V 17 14 39 01.3–1.5 42.55N 85.64E 0 3.9b,3.5
ISC Event type se.
IDC Error ellipse: s-maj=19.5km s-min=11.9km az=46.0.
NNC Event type se. Error ellipse: s-maj=14.1km s-min=9.7km az=128.0.
ISC V 18 22 06 00.5–.82 44.17N–.06 83.61E–.06 10 3.8b 50 3-82
IDC V 18 22 05 58.1–.82 44.01N 83.44E 0 3.7b,3.6 ¶610690624
SOME V 18 22 06 01.0 44.13N 83.47E 5 3.7b,3.6
NNC V 18 22 06 03.9–1.5 44.26N 83.34E 0 4.2b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=15.3km s-min=10.9km az=69.0.
NNC Event type se. Error ellipse: s-maj=14.9km s-min=4.9km az=125.0.
ISC V 20 11 00 28.1–1.9 44.57N–.08 82.2E–.10 10 19 2-4
SOME V 20 11 00 28.8 44.65N 82.15E 10 ¶612039255
NNC V 20 11 00 30.3–2.0 44.62N 82.09E 0 3.8b,3.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=23.6km s-min=8.1km az=126.0.
ISC V 21 14 15 46.8–3.5 44.52N–.08 82.3E–.10 4–21 26 2-5
SOME V 21 14 15 46.5 44.65N 82.22E 15 ¶612039303
NNC V 21 14 15 48.3–2.0 44.66N 82.18E 0 3.5b,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=22.6km s-min=5.6km az=122.0.
ISC V 21 17 28 06.6–2.4 42.9N–.10 82.0E–.10 10 43 2-8
NNC V 21 17 28 14.6–1.1 42.92N 81.57E 0 3.5b,3.3 ¶612039307
SOME V 21 17 28 16.6 43.02N 81.47E 20 3.5b,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=10.5km s-min=5.6km az=166.0.
ISC V 23 10 27 43.6–2.4 44.70N–.08 82.2E–.10 4–23 19 2-4
SOME V 23 10 27 45.4 44.63N 82.20E 30 ¶612039392
NNC V 23 10 27 46.6–1.9 44.67N 82.00E 0 3.7b,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=23.0km s-min=6.0km az=125.0.
ISC V 24 13 19 02.9–1.9 47.63N–.07 88.86E–.09 10 33 2-7
ASRS V 24 13 19 03.2–.58 48N–2.0 89E–3.0 8 3.7 ¶612039442
NNC V 24 13 19 04.4–9.6 47.34N 88.84E 0 3.7b,3.3
SOME V 24 13 19 10.2 47.43N 88.33E 20 3.7b,3.3
ISC Event type ke.
ASRS Event type ke. Error ellipse: s-maj=7.6km s-min=3.0km az=121.9.
smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID
smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NNC Event type se. Error ellipse: s-maj=80.9km s-min=60.3km az=136.0.
ISC V 26 14 36 03.1–2.3 42.3N–.10 81.49E–.08 10 29 1-6
SOME V 26 14 36 00.6 42.27N 81.70E 10 ¶612039548
NNC V 26 14 36 01.5–1.3 42.26N 81.65E 0 3.6b,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=9.2km s-min=6.6km az=160.0.
ISC V 27 11 20 49.2–2.2 44.59N–.09 82.3E–.10 10 18 2-3
SOME V 27 11 20 52.2 44.58N 82.03E 30 ¶612039579
NNC V 27 11 20 52.0–1.3 44.66N 81.93E 0 3.7b,3.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=16.2km s-min=3.9km az=123.0.
ISC V 27 18 43 46.7–2.3 42.12N–.08 81.93E–.09 10 40 2-5
SOME V 27 18 43 53.5 42.03N 81.17E 15 ¶612039593
NNC V 27 18 43 54.9–.68 42.07N 81.10E 0 3.0,3.0b
KRNET V 27 18 44 11.4–.10 41.96N 80.34E 2.0b,3.0b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=4.8km s-min=3.6km az=176.0.
ISC V 27 23 22 10.6–2.4 42.1N–.10 81.37E–.08 16 46 2-5
SOME V 27 23 22 08.1 42.22N 81.72E 15 ¶612039598
NNC V 27 23 22 09.9–.95 42.21N 81.62E 0 3.6b,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=6.9km s-min=5.2km az=164.0.
ISC V 28 10 43 57.8–3.3 42.9N–.20 83.0E–.10 10 19 2-5
SOME V 28 10 43 45.0 42.22N 83.60E 10 ¶612039619
NNC V 28 10 43 47.0–1.9 42.25N 83.56E 0 3.7b,3.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=15.5km s-min=9.1km az=160.0.
ISC V 28 10 59 23.6–1.0 42.15N–.07 83.60E–.06 10 3.6b 40 3-78
IDC V 28 10 59 21.5–1.3 42.21N 83.82E 0 3.7b,3.6 ¶610667747
SOME V 28 10 59 23.6 42.57N 83.67E 5 3.7b,3.6
NNC V 28 10 59 27.6–2.5 42.39N 83.45E 0 4.2b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=33.3km s-min=15.3km az=63.0.
NNC Event type se. Error ellipse: s-maj=19.2km s-min=13.5km az=157.0.
ISC V 28 12 13 34.8–3.5 44.1N–.10 83.0E–.20 24 13 2-3
NNC V 28 12 13 27.9–4.6 44.24N 83.26E 0 3.6b,3.1 ¶612039623
SOME V 28 12 13 32.3 44.37N 83.05E 25 3.6b,3.1
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=41.3km s-min=19.9km az=132.0.
ISC V 30 08 31 21.9–3.5 42.0N–.20 82.9E–.10 10 28 3-6
SOME V 30 08 31 13.5 41.73N 83.28E 15 ¶612039742
NNC V 30 08 31 17.3–1.9 41.79N 83.13E 0 3.8b,3.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=14.3km s-min=7.1km az=151.0.
ISC V 30 20 18 46.4–4.5 42.4N–.30 83.0E–.10 10 18 2-5
SOME V 30 20 18 42.9 42.27N 83.20E 10 ¶612039774
NNC V 30 20 18 43.7–2.5 42.25N 83.21E 0 3.5b,3.1
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=19.7km s-min=9.2km az=159.0.
SOME V 31 02 06 38.6 42.13N 83.15E 15
NNC V 31 02 06 40.0–1.5 42.09N 82.95E 0 3.6b,3.4 ¶612039780
NNC Event type se. Error ellipse: s-maj=13.0km s-min=9.2km az=5.0.
NNC VI 02 13 34 17.9–3.3 43.63N 82.54E 0 3.5b,3.2
SOME VI 02 13 34 17.8 43.67N 82.55E 10 3.5b,3.2 ¶612088510
NNC Event type se. Error ellipse: s-maj=25.6km s-min=21.5km az=162.0.
NNC VI 03 07 55 00.8–2.1 43.38N 87.18E 0 3.7b,3.2
¶612088534
NNC Event type se. Error ellipse: s-maj=15.3km s-min=10.4km az=99.0.
ISC VI 06 03 19 50.0–2.2 44.2N–.10 82.9E–.20 10 12 2-4
SOME VI 06 03 19 46.3 44.32N 83.12E 20 ¶612088651
NNC VI 06 03 19 47.1–1.5 44.34N 82.98E 0 3.0b,2.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=14.2km s-min=5.3km az=124.0.
ISC VI 06 13 57 34.7–1.7 44.4N–.10 82.8E–.10 17 17 2-4
NNC VI 06 13 57 30.5–2.7 44.20N 83.13E 0 3.5b,3.3 ¶612088670
SOME VI 06 13 57 32.9 44.43N 82.75E 0 3.5b,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=26.0km s-min=9.1km az=128.0.
ISC VI 06 14 19 02.4–1.6 43.3N–.10 82.19E–.08 34–4 47 1-74
IDC VI 06 14 18 56.9–2.3 43.17N 81.99E 0 3.5,3.2s ¶610791345
SOME VI 06 14 19 00.2 43.35N 82.00E 5 3.5,3.2s
NNC VI 06 14 19 02.1–.93 43.41N 82.01E 0 4.0b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=41.0km s-min=20.8km az=107.0.
NNC Event type se. Error ellipse: s-maj=9.2km s-min=3.7km az=146.0.
ISC VI 08 08 20 06.0–1.8 44.8N–.10 81.8E–.10 10 17 1-4
SOME VI 08 08 20 00.5 44.73N 81.82E 10 ¶612088748
NNC VI 08 08 20 01.4–.90 44.69N 81.92E 0 3.7b,3.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=12.0km s-min=2.7km az=122.0.
ISC VI 14 15 32 58.9–2.1 43.16N–.10 82.52E–.09 10 48 2-8
SOME VI 14 15 32 55.1 43.00N 82.68E 10 ¶612088986
NNC VI 14 15 32 59.4–1.2 43.19N 82.50E 4–6 3.9b,3.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=9.4km s-min=4.8km az=142.0.
ISC VI 16 14 39 06.1–1.3 44.58N–.06 82.36E–.07 10 30 2-7
SOME VI 16 14 39 07.7 44.67N 82.08E 15 ¶612089106
NNC VI 16 14 39 09.5–.94 44.66N 82.10E 0 3.6,3.6b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=10.6km s-min=2.9km az=125.0.
ISC VI 17 12 47 41.9–2.2 44.65N–.08 82.1E–.10 10 25 2-5
SOME VI 17 12 47 42.0 44.67N 82.08E 20 ¶612089137
NNC VI 17 12 48 01.0–43 42.63N 81.53E 0 3.9b,3.6
ISC Event type ke.
NNC Event type se. Error ellipse: s-maj=288.5km s-min=246.2km az=136.0.
SOME VI 17 12 48 41.2 44.62N 82.20E 20
¶612089141
ISC VI 18 15 19 00.1–3.1 42.5N–.20 83.0E–.10 10 27 2-5
SOME VI 18 15 18 52.3 42.23N 83.37E 0 ¶612053560
NNC VI 18 15 18 56.0–1.3 42.28N 83.21E 0 3.5,3.5b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=11.0km s-min=5.5km az=157.0.
ISC VI 19 15 54 15.8–2.3 43.0N–.10 82.75E–.10 10 37 2-5
SOME VI 19 15 54 14.6 42.95N 82.83E 10 ¶612053609
NNC VI 19 15 54 15.6–1.1 43.02N 82.78E 0 3.6b,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=8.7km s-min=3.0km az=138.0.
ISC VI 20 14 20 10.3–2.2 44.61N–.09 82.2E–.10 10 22 2-3
SOME VI 20 14 20 08.7 44.67N 82.15E 30 ¶612053652
NNC VI 20 14 20 09.2–.88 44.67N 81.97E 0 3.5,3.5b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=10.2km s-min=2.8km az=124.0.
ISC VI 24 00 11 26.8–1.4 44.13N–.05 81.45E–.06 10–11 62 1-8
NNC VI 24 00 11 29.5–.54 44.26N 81.21E 0 3.8b,3.8 ¶612053807
SOME VI 24 00 11 30.5 44.20N 81.20E 10 3.8b,3.8
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=5.5km s-min=2.7km az=131.0.
ISC VI 25 03 19 45.4–2.6 42.5N–.10 83.5E–.10 10 23 3-6
SOME VI 25 03 19 33.9 42.43N 84.02E 10 ¶612053850
NNC VI 25 03 19 46.1–5.3 42.06N 83.02E 0 3.8b,3.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=43.2km s-min=20.5km az=151.0.
NNC VI 25 11 42 27.7–1.7 45.61N 84.40E 0 2.9b,2.5
¶612053871
NNC Event type se. Error ellipse: s-maj=22.4km s-min=13.8km az=31.0.
ISC VI 25 11 46 43.8–1.7 44.63N–.09 82.1E–.10 35 13 2-4
SOME VI 25 11 46 37.5 44.68N 82.08E 20 ¶612053873
NNC VI 25 11 46 39.2–.96 44.72N 81.97E 0 3.2b,2.8
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=15.3km s-min=2.3km az=117.0.
ISC VI 27 09 41 03.1–3.9 42.8N–.20 84.9E–.20 10 21 4-7
SOME VI 27 09 41 07.8 43.10N 84.02E 20 ¶612053968
NNC VI 27 09 41 13.9–2.9 43.39N 83.84E 0 3.5b,3.1
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=26.7km s-min=9.4km az=135.0.
ISC VI 27 12 25 05.4–2.4 42.28N–.08 81.45E–.09 18–11 46 1-5
SOME VI 27 12 25 08.5 42.17N 81.02E 15 ¶612053980
NNC VI 27 12 25 10.2–1.0 42.14N 80.85E 0 3.7b,3.4
KRNET VI 27 12 25 16.6–.10 42.46N 80.91E 2.7b,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=6.5km s-min=6.1km az=176.0.
ISC VI 28 08 13 45.5–2.5 42.2N–.10 81.4E–.10 16 38 2-5
SOME VI 28 08 13 41.8 42.17N 81.85E 15 ¶612054012
NNC VI 28 08 13 44.8–.88 42.23N 81.64E 0 3.7b,3.5
ISC Event type se.

NNC Event type se. Error ellipse: s-maj=6.6km s-min=5.0km az=172.0.
ISC VI 28 10 39 44.4–1.4 42.28N–.08 81.46E–.05 10 68 1-18
IDC VI 28 10 39 38.9–4.4 42.03N 81.52E 0 3.5,3.2L ¶610789633
SOME VI 28 10 39 41.8 42.25N 81.75E 20 3.5,3.2L
NNC VI 28 10 39 43.3–1.0 42.25N 81.58E 0 4.3b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=45.5km s-min=41.2km az=179.0.
NNC Event type se. Error ellipse: s-maj=7.5km s-min=4.8km az=155.0.
ISC VI 28 14 45 59.0–1.9 44.76N–.10 82.0E–.10 10 15 2-4
SOME VI 28 14 45 52.8 44.68N 82.15E 5 ¶612054040
NNC VI 28 14 45 53.5–1.4 44.63N 82.19E 0 3.5b,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=14.5km s-min=4.1km az=125.0.
SOME VI 29 12 23 44.4 44.77N 82.15E 15
NNC VI 29 12 24 08.3–.35 46.53N 82.04E 35–19 3.1,3.0b ¶612670830
NNC Event type se. Error ellipse: s-maj=23.0km s-min=1.5km az=9.0.
SOME VI 29 14 12 30.1 43.65N 82.18E 10
NNC VI 29 14 12 60.0–1.9 45.18N 82.30E 0 2.9b,2.8 ¶612054077
NNC Event type se. Error ellipse: s-maj=41.7km s-min=12.4km az=80.0.
ISC VI 29 22 38 41.2–2.4 42.2N–.10 81.29E–.07 16 41 2-5
SOME VI 29 22 38 37.3 42.27N 81.65E 5 ¶612054089
NNC VI 29 22 38 37.7–1.2 42.05N 81.56E 0 3.5b,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=8.9km s-min=5.0km az=162.0.
ISC VI 29 23 21 48.4–3.8 42.1N–.20 82.1E–.10 14 13 2-5
SOME VI 29 23 21 55.8 42.25N 81.73E 5 ¶612054091
NNC VI 29 23 21 57.7–1.4 42.06N 81.66E 0 3.1b,2.7
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=13.2km s-min=7.1km az=146.0.
ISC VI 30 02 19 58.3–3.2 43.8N–.10 84.8E–.20 28 9 3-8
SOME VI 30 02 19 54.7 43.90N 84.62E 5 ¶612054097
NNC VI 30 02 20 09.4–3.1 44.49N 84.72E 23–10 3.7b,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=33.2km s-min=20.7km az=54.0.
ISC VI 30 14 35 59.1–.70 44.95N–.04 81.79E–.04 10 67 2-74
IDC VI 30 14 35 57.4–1.5 44.89N 81.51E 0 3.6b,3.4 ¶610728752
NNC VI 30 14 36 00.3–.84 44.95N 81.60E 0–7 4.3b,4.0
SOME VI 30 14 36 02.7 45.03N 81.47E 25 4.3b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=17.4km s-min=9.9km az=124.0.
NNC Event type se. Error ellipse: s-maj=8.7km s-min=4.0km az=133.0.

(333) Tuva-Buryatia-Mongolia border region.

ISC I 09 10 20 43.7–.97 50.84N–.03 97.76E–.02 2–7 4.1b 98 0-42
IDC I 09 10 20 42.5–1.2 50.98N 97.96E 0 3.8b,3.5 ¶610050572
MOS I 09 10 20 42.8–1.6 50.46N 97.67E 10 4.1b,3.5
ASRS I 09 10 20 45.1–.19 51N–2.0 97.8E–.90 5 4.7,3.5
ISC Event type ke.
ASRS Event type ke. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/tab. manual. confirmed.
ASRS II 08 02 18 40.2–.36 50N–2.0 96E–2.0 5 3.7
¶612509884
ASRS Event type ke. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC IV 01 02 42 32.7–.41 52.49N–.04 97.59E–.03 10 4.2b,3.5s 125 1-66
ASRS IV 01 02 42 28.6–.36 52N–3.0 98E–2.0 9 5.0,3.5s ¶610468897
MOS IV 01 02 42 30.9–1.4 52.52N 97.62E 7 4.4b,3.5s
IDC IV 01 02 42 30.4–.94 52.45N 97.84E 0 3.9b,3.8
NNC IV 01 02 42 33.8–.82 52.73N 97.19E 0 4.2b,3.5
NEIC IV 01 02 42 36.4–2.4 53.18N–.07 96.8E–.10 10–1 4.1b,3.5
ISC Event type ke.
ASRS Event type ke. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NNC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 13 03 42 46.5–1.1 49.39N–.06 94.01E–.05 10 23 2-10
IDC IV 13 03 42 42.9–1.7 49.42N 94.41E 0 2.9,2.5L ¶610652605
ASRS IV 13 03 42 46.3–.89 49N–4.0 94E–3.0 10 3.8,2.5L
ISC Event type ke.
ASRS Event type ke. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ASRS IV 22 16 11 25.3–.48 50N–3.0 97E–1.0 5 4.1
¶612510260
ASRS Event type ke. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC IV 25 00 32 25.1–.62 50.65N–.03 92.65E–.03 10 3.6b 99 2-82
IDC IV 25 00 32 24.0–.69 50.65N 92.73E 0 3.6,3.6b ¶610598452
NNC IV 25 00 32 31.0–1.5 50.79N 91.92E 0 3.9b,3.6
ASRS IV 25 00 32 33.9–.30 51N–1.0 92E–2.0 5 4.5,3.6
ISC Event type ke.
NNC Event type se.
ASRS Event type ke. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/tab. manual. confirmed.
ASRS V 09 18 55 30.2–.36 51N–3.0 97E–2.0 5 3.6
¶612510316
ASRS Event type ke. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC V 13 06 34 40.0–.97 49.96N–.03 88.11E–.04 10 37 0-6
ASRS V 13 06 34 36.2–.54 50N–3.0 88E–2.0 9 3.4 ¶612038950
NNC V 13 06 34 38.1–2.4 50.01N 88.18E 0 3.6b,3.2
ISC Event type ke.
ASRS Event type ke. Error ellipse: s-maj=6.3km s-min=3.5km az=153.0. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NNC Event type se. Error ellipse: s-maj=19.0km s-min=10.3km az=95.0.
ASRS V 24 21 20 10.9–.52 50N–2.0 90E–2.0 8 3.5
¶612510381
ASRS Event type ke. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC VI 03 16 10 25.1–.97 50.34N–.04 91.06E–.03 2–6 3.8b,2.9s 94 2-98
NNC VI 03 16 10 23.7–2.3 50.54N 91.16E 0 4.4b,4.1 ¶610661271
ASRS VI 03 16 10 24.7–.44 51N–2.0 91E–2.0 5 4.2,4.1
IDC VI 03 16 10 24.6–.79 50.16N 91.23E 0 3.7b,3.6
MOS VI 03 16 10 24.1–2.1 50.28N 91.01E 11 4.1b,3.6
BJI VI 03 16 10 25.5–.00 50.39N 90.70E 11 4.3b,4.2L
ISC Event type ke.
NNC Event type se. Error ellipse: s-maj=21.7km s-min=18.8km az=113.0.
ASRS Event type ke. Error ellipse: s-maj=4.4km s-min=2.6km az=132.4. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
IDC Error ellipse: s-maj=17.5km s-min=11.0km az=8.0.
MOS Error ellipse: s-maj=10.9km s-min=10.4km az=13.1.
ASRS VI 06 18 02 39.8–.70 51N–2.0 96E–3.0 5 3.7
¶612510422
ASRS Event type ke. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC VI 08 21 28 56.8–1.1 51.81N–.10 98.24E–.05 10 11 1-12
IDC VI 08 21 28 54.4–3.1 51.09N 97.84E 0 3.0,2.1L ¶610791483
MOS VI 08 21 28 56.6–3.8 51.67N 98.35E 10 3.6b,2.1L
ISC Event type ke.
IDC Error ellipse: s-maj=56.8km s-min=18.9km az=19.0.
MOS Error ellipse: s-maj=28.5km s-min=17.1km az=174.9.
ISC VI 16 15 34 24.3–1.0 49.89N–.03 88.10E–.05 10 38 0-8
SOME VI 16 15 34 18.3 49.87N 87.70E 0 ¶612089109
ASRS VI 16 15 34 19.8–.57 50N–2.0 88E–2.0 10 3.4
NNC VI 16 15 34 23.1–4.1 49.85N 88.10E 0 3.6b,3.5
ISC Event type ke.
ASRS Event type ke. Error ellipse: s-maj=6.0km s-min=3.5km az=142.5. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

NNC Event type se. Error ellipse: s-maj=39.1km s-min=12.9km az=104.0.
ISC VI 23 19 10 37.6–1.2 50.77N–.03 90.73E–.03 6–9 76 2-36
ASRS VI 23 19 10 37.2–.21 51N–1.0 91E–1.0 10 4.4 ¶610789358
IDC VI 23 19 10 37.9–2.4 50.72N 90.67E 0 3.5,3.4b
NNC VI 23 19 10 41.2–2.7 50.78N 90.37E 0 4.2b,3.9
ISC Event type ke.
ASRS Event type ke. Error ellipse: s-maj=2.7km s-min=2.2km az=152.1. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/tab. manual. confirmed.
IDC Error ellipse: s-maj=22.7km s-min=16.1km az=98.0.
NNC Event type se. Error ellipse: s-maj=22.9km s-min=14.3km az=79.0.
ISC VI 27 19 02 07.5–1.4 49.95N–.04 89.31E–.04 5–10 62 1-12
ASRS VI 27 19 02 07.2–.38 50N–2.0 89E–2.0 9 4.1 ¶612053991
SOME VI 27 19 02 09.6 49.53N 89.33E 25 4.1
NNC VI 27 19 02 10.0–1.8 49.89N 88.92E 0 4.2b,4.0
ISC Event type ke.
ASRS Event type ke. Error ellipse: s-maj=4.1km s-min=2.8km az=145.4. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NNC Event type se. Error ellipse: s-maj=13.8km s-min=9.3km az=79.0.

(334) Mongolia.

IDC I 18 06 31 03.9–5.5 47.84N 108.50E 0
¶610237646
IDC Error ellipse: s-maj=36.6km s-min=24.8km az=89.0.
IDC I 21 09 06 52.8–6.1 43.59N 105.86E 0 2.9,2.7L
¶610234989
IDC Error ellipse: s-maj=62.0km s-min=34.6km az=127.0.
IDC I 31 06 00 52.8–4.2 46.20N 108.73E 0 3.4,3.4b
¶610235781
IDC Error ellipse: s-maj=37.6km s-min=30.0km az=85.0.
ISC II 02 14 18 39.1–1.2 43.6N–.10 105.5E–.20 10 3.8b 10 4-72
IDC II 02 14 18 37.6–1.1 43.64N 105.51E 0 3.8b,3.7 ¶610414680
ISC Event type ke.
IDC Error ellipse: s-maj=24.6km s-min=17.8km az=87.0.
IDC II 04 10 18 14.3–8.7 44.10N 106.22E 0 2.1,1.9L
¶610414805
IDC Error ellipse: s-maj=68.2km s-min=55.5km az=91.0.
IDC II 08 14 18 01.9–1.6 42.89N 106.42E 0 4.1s,3.2
¶610415124
IDC Error ellipse: s-maj=36.4km s-min=20.4km az=75.0.
IDC II 11 02 20 09.7–4.3 43.64N 105.54E 0 3.4b,3.0
¶610415272
IDC Error ellipse: s-maj=54.8km s-min=26.9km az=129.0.
ISC III 10 23 51 37.9–.69 42.72N–.05 110.17E–.05 10 3.5b 17 2-70
IDC III 10 23 51 37.0–1.2 42.66N 109.88E 0 3.4b,3.3 ¶610545987
ISC Event type ke.
IDC Error ellipse: s-maj=48.9km s-min=22.5km az=65.0.
IDC III 26 07 12 01.9–6.5 46.17N 109.07E 0 3.0,2.8L
¶610543703
IDC Error ellipse: s-maj=44.1km s-min=37.8km az=132.0.
ISC IV 17 06 24 20.0–.98 45.1N–.20 92.43E–.07 10 3.7b 17 7-78
IDC IV 17 06 24 18.5–.96 45.11N 92.40E 0 4.1s,3.7b ¶610652916
ISC Event type ke.
IDC Error ellipse: s-maj=24.6km s-min=13.5km az=22.0.
ISC V 12 03 35 57.8–.79 44.5N–.10 102.78E–.09 10 3.6b,3.1s 21 4-74
IDC V 12 03 35 56.4–.83 44.42N 102.70E 0 3.5,3.5b ¶610690095
ISC Event type ke.
IDC Error ellipse: s-maj=17.4km s-min=15.0km az=7.0.
ASRS V 14 14 56 34.3–1.2 47N–5.0 94E–4.0 9 4.0
¶612510338
ASRS Event type ke. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC V 18 21 51 29.7–1.2 42.8N–.10 104.7E–.20 10 3.6b,3.2s 9 5-71
IDC V 18 21 51 28.1–1.4 42.79N 104.79E 0 3.6,3.5b ¶610690623
ISC Event type ke.
IDC Error ellipse: s-maj=32.5km s-min=27.1km az=73.0.
IDC VI 10 04 26 02.4–3.6 45.20N 101.37E 0 3.8b,3.6
¶610791571
IDC Error ellipse: s-maj=51.3km s-min=16.2km az=170.0.
IDC VI 10 10 52 24.1–5.0 42.34N 104.69E 0 3.7s,3.6b
¶610791590
IDC Error ellipse: s-maj=214.8km s-min=22.8km az=93.0.
ISC VI 11 14 15 32.2–.54 44.52N–.05 101.48E–.06 10 4.1b,3.4s 36 5-66
IDC VI 11 14 15 31.0–1.1 44.63N 101.35E 0 3.8,3.8b ¶610791655
NEIC VI 11 14 15 32.4–1.2 44.5N–.20 101.40E–.07 15–6 4.3b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VI 14 05 04 07.9–2.8 43.67N 105.45E 0 3.6b,3.4
¶610791830
IDC Error ellipse: s-maj=41.8km s-min=25.2km az=133.0.
ISC VI 14 18 43 17.3–.67 49.71N–.05 93.29E–.03 10 3.7b 50 3-81
IDC VI 14 18 43 16.3–.94 49.42N 93.33E 0 3.6b,3.5 ¶610791881
ASRS VI 14 18 43 16.7–.31 50N–2.0 93E–1.0 5 4.3,3.5
NNC VI 14 18 43 29.3–6.0 49.71N 92.41E 34–45 3.8b,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=28.2km s-min=11.9km az=5.0.
ASRS Event type ke. Error ellipse: s-maj=4.3km s-min=2.5km az=179.6. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NNC Event type se. Error ellipse: s-maj=44.8km s-min=21.7km az=99.0.
ISC VI 17 21 24 11.7–1.9 48.81N–.07 90.16E–.09 10 18 2-8
NNC VI 17 21 24 09.5–3.1 49.19N 89.90E 0 3.4b,3.0 ¶612089152
ASRS VI 17 21 24 15.2–1.1 49N–4.0 90E–4.0 5 3.1,3.0
ISC Event type ke.
NNC Event type se.
ASRS Event type ke. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ASRS VI 28 10 14 52.1–.54 49N–3.0 94E–2.0 5 3.8
¶612054022
ASRS Event type ke. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

SEISMIC REGION 29.
Western Asia.

(335) Ural Mountains region.

ISC III 10 11 34 07.8–2.4 56.94N–.04 61.64E–.08 1–14 34 1-8
MIRAS III 10 11 34 09.0 56.97N 61.45E 0 2.6L ¶612086955
ISC Event type ke.
MIRAS III 11 03 12 44.7 58.89N 59.01E 10 2.6L
¶615329740
MIRAS IV 07 11 30 49.0 56.94N 59.80E 0 2.8L
¶615330120
MIRAS V 29 12 30 20.2 58.37N 57.84E 0 1.5L
¶615318224
MIRAS V 30 11 49 42.1 56.77N 61.30E 0 2.7L
¶615318248
ISC VI 04 06 17 43.5–1.2 58.01N–.03 60.01E–.04 1–10 55 1-24
MIRAS VI 04 06 17 46.6 57.94N 59.82E 0 3.2L ¶610791215
IDC VI 04 06 17 47.0–2.0 57.08N 59.27E 0 3.4,3.1L
NNC VI 04 06 17 53.6–1.6 57.59N 60.47E 20–8 3.8b,3.5
ISC Event type se.
IDC Error ellipse: s-maj=85.0km s-min=25.8km az=19.0.
NNC Event type se. Error ellipse: s-maj=12.2km s-min=5.4km az=158.0.
MIRAS VI 22 11 52 38.5 56.51N 59.24E 0 2.2L
¶615319194

(336) Western Kazakhstan.

IDC I 16 09 48 26.9–999 50.51N 49.14E 0

¶610237503
IDC Error ellipse: s-maj=1203.0km s-min=122.0km az=86.0.
IDC I 16 12 33 39.8–757 50.57N 51.21E 0
¶610237517
IDC Error ellipse: s-maj=371.2km s-min=99.6km az=88.0.
IDC I 17 12 45 53.0–999 50.61N 54.21E 0
¶610237598
IDC Error ellipse: s-maj=886.2km s-min=53.4km az=93.0.
IDC I 17 16 51 24.4–999 50.66N 54.60E 0
¶610237611
IDC Error ellipse: s-maj=761.0km s-min=49.1km az=95.0.
IDC I 19 10 12 22.7–999 50.63N 54.44E 0
¶610237720
IDC Error ellipse: s-maj=730.0km s-min=53.0km az=93.0.
IDC I 30 10 55 11.4–550 47.75N 48.57E 0
¶610235726
IDC Error ellipse: s-maj=198.2km s-min=126.8km az=53.0.
IDC II 22 06 00 45.2–428 46.55N 64.24E 0
¶610384790
IDC Error ellipse: s-maj=190.7km s-min=115.4km az=151.0.
IDC IV 07 11 42 53.7–508 48.92N 49.81E 0
¶610652152
IDC Error ellipse: s-maj=182.9km s-min=116.3km az=66.0.
IDC IV 27 14 22 24.2–999 50.85N 49.64E 0
¶610650140
IDC Error ellipse: s-maj=1090.0km s-min=116.1km az=90.0.
IDC V 14 14 02 25.4–378 50.54N 60.01E 0
¶610690279
IDC Error ellipse: s-maj=138.9km s-min=27.9km az=85.0.
ISC VI 06 20 04 46.6–1.2 46.2N–.10 53.38E–.07 35 13 5-22
IDC VI 06 20 04 44.2–1.3 46.34N 53.28E 0 3.5,3.4b ¶610791351
ISC Event type ke.
IDC Error ellipse: s-maj=28.3km s-min=9.1km az=150.0.
IDC VI 14 09 25 40.1–530 46.67N 63.44E 0
¶610791853
IDC Error ellipse: s-maj=242.3km s-min=112.0km az=145.0.

(337) Eastern Caucasus.
ISC I 01 14 25 25.8–1.6 41.19N–.08 45.66E–.03 34–3 29 0-2
TIF I 01 14 25 27.1 41.27N 45.72E 32–2 ¶610505606
DRS I 01 14 25 29.6–.00 41.40N 45.70E 18
ISC Event type se.
DRS Event type se.
ISC I 03 14 36 47.7–1.3 42.57N–.03 46.47E–.03 8–11 36 0-2
MOS I 03 14 36 46.6–.00 42.52N 46.50E 42–0 3.4 ¶609967133
DRS I 03 14 36 47.3–.00 42.46N 46.22E 19 3.4
NORS I 03 14 36 47.2–.00 42.42N 46.26E 25–0 3.5
ISC Event type se.
MOS Event type se.
DRS Event type se.
NORS Event type se.
ISC I 03 19 16 49.7–.00 42.56N–.04 46.05E–.05 10 17 0-2
NORS I 03 19 16 48.6–.00 42.50N 46.16E 12–0 3.0 ¶611083530
DRS I 03 19 16 49.5–.00 42.50N 46.08E 18 3.0
ISC Event type se.
NORS Event type se.
DRS Event type se.
ISC I 09 06 50 31.0–1.1 41.78N–.03 47.51E–.03 4–10 48 0-4
MOS I 09 06 50 29.4–.00 41.77N 47.45E 10–0 4.0 ¶610050569
DRS I 09 06 50 32.1–.00 41.75N 47.48E 16 3.5L
ISC Event type se.
MOS Event type se.
DRS Event type se.
MOS I 09 16 01 18.4–.00 40.95N 49.21E 2–0 3.8
DRS I 09 16 01 20.9–.00 40.78N 49.68E 22 3.8 ¶611083538
MOS Event type se.
DRS Event type se.
ISC I 12 18 08 14.5–1.1 41.96N–.03 45.53E–.02 12–10 57 1-2
MOS I 12 18 08 13.5–.00 42.00N 45.56E 24–0 3.3 ¶610505616
TIF I 12 18 08 14.3 42.05N 45.63E 40–1 3.3
NORS I 12 18 08 15.0–.00 41.96N 45.53E 22–0 3.4
DRS I 12 18 08 16.5–.00 41.96N 45.48E 19 3.4
ISC Event type se.
MOS Event type se.
NORS Event type se.
DRS Event type se.
ISC I 12 20 10 36.6–.00 43.19N–.03 46.28E–.02 11–8 91 0-3
MOS I 12 20 10 34.8–.00 43.16N 46.26E 11–0 3.7 ¶610068607
NORS I 12 20 10 35.0–.00 42.70N 46.39E 12–0 3.9
DRS I 12 20 10 36.0–.00 43.31N 46.25E 18 2.6L
ISC Event type se.
MOS Event type se.
NORS Event type se.
DRS Event type se.
ISC I 14 15 28 20.8–.77 41.11N–.01 47.87E–.01 17–5 3.5b 226 0-25
IDC I 14 15 28 18.2–1.1 41.21N 47.72E 0 3.6,3.5b ¶610145066
AZER I 14 15 28 19.6–.01 41.12N 47.94E 13–0 3.6,3.5b
MOS I 14 15 28 20.3–.00 41.23N 47.94E 3–0 3.8,3.5b
TEH I 14 15 28 21.0 41.10N 47.92E 24–30 3.3L,3.5b
DRS I 14 15 28 21.4–.00 41.12N 48.04E 17 3.3L,3.5b
NSSP I 14 15 28 23.3 41.22N 47.80E 20 3.4s,3.5b
ISC Event type se.
IDC Error ellipse: s-maj=20.7km s-min=9.3km az=151.0.
AZER Error ellipse: s-maj=0.1km s-min=0.1km az=3.0.
MOS Event type se.
TEH Error ellipse: s-maj=2.4km s-min=2.7km az=-1.0.
DRS Event type se.
ISC I 23 08 25 06.7–.83 43.11N–.02 46.96E–.02 12–5 153 0-11
DRS I 23 08 25 05.3–.00 43.14N 46.97E 12 2.9L ¶610105488
MOS I 23 08 25 05.6–.00 43.04N 46.95E 5–0 3.6
NORS I 23 08 25 05.7–.00 43.08N 46.88E 2–0 3.7
ISC Event type se.
DRS Event type se.
MOS Event type se.
NORS Event type se.
ISC I 29 05 11 17.8–1.0 42.14N–.02 45.95E–.02 9–9 83 0-3
NORS I 29 05 11 16.8–.00 42.09N 46.31E 29–0 3.5 ¶610150201
TIF I 29 05 11 16.3 42.16N 45.96E 13–3 3.5
MOS I 29 05 11 17.1–.00 42.16N 46.01E 20–0 3.4
DRS I 29 05 11 19.5–.00 42.15N 45.99E 15 2.5L
ISC Event type se.
NORS Event type se.
MOS Event type se.
DRS Event type se.
ISC I 29 23 54 33.3–.84 43.11N–.02 46.79E–.01 7–5 280 0-50
NORS I 29 23 54 31.9–.00 43.10N 46.86E 8–0 4.0 ¶610147700
DRS I 29 23 54 32.9–.00 43.11N 46.77E 14 2.9L
MOS I 29 23 54 32.1–.00 43.01N 46.72E 7–0 3.7
TIF I 29 23 54 33.0 43.04N 46.66E 9–2 3.7
AZER I 29 23 54 34.4–.26 42.82N 46.50E 8–2 3.7
ISC Event type se.
NORS Event type se.
DRS Event type se.
MOS Event type se.
AZER Error ellipse: s-maj=6.8km s-min=3.4km az=341.0.
ISC I 30 05 11 35.2–1.1 41.86N–.03 45.91E–.02 13–9 83 0-3
NORS I 30 05 11 33.1–.00 41.86N 45.94E 16–0 3.5 ¶610473404
MOS I 30 05 11 34.0–.00 41.86N 45.95E 22–0 3.4
DRS I 30 05 11 35.6–.00 41.84N 45.90E 16 3.4
TIF I 30 05 11 35.3 41.90N 45.86E 16–2 3.4
ISC Event type se.
NORS Event type se.
MOS Event type se.
DRS Event type se.
ISC I 30 06 28 21.6–.95 42.92N–.02 46.42E–.01 7–8 97 0-3
MOS I 30 06 28 19.9–.00 42.88N 46.43E 11–0 3.6 ¶610147755
DRS I 30 06 28 19.9–.00 42.88N 46.41E 8 2.4L
NORS I 30 06 28 21.6–.00 42.87N 46.26E 2–0 3.8
TIF I 30 06 28 22.5 42.83N 46.27E 10–2 3.8
ISC Event type se.
MOS Event type se.
DRS Event type se.
NORS Event type se.
MOS I 31 16 52 29.0–.00 41.07N 48.79E 18–0 2.9
DRS I 31 16 52 31.0–.00 40.87N 48.99E 23 2.9 ¶611083567
MOS Event type se.
DRS Event type se.
ISC II 06 18 32 44.7–1.9 40.38N–.05 49.2E–.20 16 25 1-3
DRS II 06 18 32 45.0–.00 40.23N 49.37E 24 ¶611083576
TEH II 06 18 32 49.4 40.03N 48.69E 10 2.7L
ISC Event type se.
DRS Event type se.
ISC II 15 06 56 24.2–.66 41.55N–.02 48.50E–.02 22–1 3.1b 164 0-25
IDC II 15 06 56 21.3–1.5 41.53N 48.44E 0 3.3,3.2b ¶610209207
MOS II 15 06 56 22.0–1.1 41.48N 48.61E 12 3.9b,3.2b
AZER II 15 06 56 23.9–.07 41.42N 48.41E 10–0 3.9b,3.2b
TEH II 15 06 56 24.3 41.50N 48.41E 18–45 3.4L,3.2b
DRS II 15 06 56 24.6–.00 41.50N 48.56E 18 4.2L,3.2b
ISC Event type se.
IDC Error ellipse: s-maj=31.6km s-min=12.4km az=152.0.
MOS Error ellipse: s-maj=7.4km s-min=4.9km az=36.6.
AZER Error ellipse: s-maj=0.9km s-min=0.5km az=33.0.
TEH Error ellipse: s-maj=3.8km s-min=3.6km az=-1.0.
DRS Event type se.
ISC II 18 06 15 41.7–.99 40.50N–.02 45.34E–.01 14–9 128 0-3
AZER II 18 06 15 40.4–.05 40.50N 45.32E 10–0 ¶610228749
TIF II 18 06 15 41.5 40.55N 45.30E 5–1
NSSP II 18 06 15 42.2 40.48N 45.28E 10 2.8s
ISK II 18 06 15 43.0 40.55N 45.13E 5–0 2.7L
DDA II 18 06 15 43.2–.00 40.48N 45.13E 8–2 2.7L
TEH II 18 06 15 54.1 39.69N 45.28E 11 2.6L
ISC Event type ke.
AZER Error ellipse: s-maj=1.0km s-min=0.5km az=290.0.
ISK Event type ke.
TEH Error ellipse: s-maj=7.3km s-min=3.4km az=-1.0.
ISC II 22 07 52 34.9–1.1 40.76N–.02 46.76E–.03 9–12 60 1-3
MOS II 22 07 52 34.7–.00 40.75N 46.82E 20–0 3.4 ¶610476249
TIF II 22 07 52 35.4 40.75N 46.92E 32–2 3.4
TEH II 22 07 52 35.6 40.66N 46.83E 7–108 2.7L
DRS II 22 07 52 36.8–.00 40.56N 46.61E 22 2.7L
ISC Event type se.
MOS Event type se.
TEH Error ellipse: s-maj=4.1km s-min=3.3km az=-1.0.
DRS Event type se.
ISC II 22 09 03 03.9–.74 40.50N–.03 49.16E–.03 52–6 3.5b 95 0-77
IDC II 22 09 03 00.3–4.1 40.69N 49.00E 16–29 3.6,3.6b ¶612085812
AZER II 22 09 03 03.4–.02 40.50N 49.13E 43–0 3.6,3.6b
DRS II 22 09 03 04.7–.00 40.28N 49.65E 28 3.6,3.6b
ISC Event type se.
IDC Error ellipse: s-maj=28.0km s-min=12.8km az=171.0.
AZER Error ellipse: s-maj=0.5km s-min=0.4km az=239.0.
DRS Event type se.
ISC II 28 03 45 26.7–.63 40.92N–.02 49.26E–.03 52–6 3.5b 237 0-76
IDC II 28 03 45 20.6–1.1 40.88N 49.12E 0 3.8,3.7b ¶610243906
TEH II 28 03 45 26.9 40.93N 49.37E 45 3.7L,3.7b
MOS II 28 03 45 26.7–.00 41.01N 49.17E 18–0 4.0,3.7b
AZER II 28 03 45 27.3–.04 40.95N 49.21E 46–0 4.0,3.7b
DRS II 28 03 45 30.0–.00 40.94N 49.51E 24 4.0,3.7b
NNC II 28 03 45 37.3–1.9 41.66N 50.51E 0 4.0b,3.7b
ISC Event type se.
IDC Error ellipse: s-maj=19.6km s-min=9.8km az=165.0.
TEH Error ellipse: s-maj=1.9km s-min=1.7km az=-1.0.
MOS Event type se.
AZER Error ellipse: s-maj=0.9km s-min=0.6km az=231.0.
DRS Event type se.
NNC Event type se. Error ellipse: s-maj=16.5km s-min=14.7km az=82.0.
ISC III 02 01 00 49.2–1.1 41.67N–.04 46.49E–.02 14–9 47 0-2
TIF III 02 01 00 49.6 41.71N 46.45E 18–1 ¶610617520
DRS III 02 01 00 49.9–.00 41.67N 46.49E 16
NORS III 02 01 00 50.0–.00 41.81N 46.47E 8–0 3.3
ISC Event type se.
DRS Event type se.
NORS Event type se.
ISC III 02 04 31 55.1–1.1 41.64N–.03 47.34E–.02 7–10 47 0-3
MOS III 02 04 31 53.6–.00 41.68N 47.43E 10–0 3.7 ¶610617519
DRS III 02 04 31 55.8–.00 41.59N 47.34E 16 3.7
TIF III 02 04 31 55.7 41.72N 47.26E 12–1 3.7
ISC Event type se.
MOS Event type se.
DRS Event type se.
ISC III 03 02 21 39.8–1.0 42.10N–.01 45.95E–.01 5–8 268 0-12
TIF III 03 02 21 38.2 42.18N 45.98E 15–2 ¶610244551
MOS III 03 02 21 38.3–.00 42.13N 46.02E 13–0 3.9
NORS III 03 02 21 38.6–.00 42.11N 45.97E 10–0 3.7
DRS III 03 02 21 40.4–.00 42.09N 45.91E 16 3.7
AZER III 03 02 21 42.8–.87 41.96N 46.01E 2 3.7
ISK III 03 02 21 43.5 41.99N 45.50E 5–0 3.1L
ISC Event type ke.
MOS Event type se.
NORS Event type se.
DRS Event type se.
AZER Error ellipse: s-maj=6.2km s-min=2.9km az=152.0.
ISK Event type ke.
ISC III 03 08 06 57.7–1.1 43.19N–.03 45.06E–.02 10–8 50 0-2
NORS III 03 08 06 54.6–.00 43.15N 45.19E 16–0 3.5 ¶610617524
TIF III 03 08 06 56.1 43.28N 45.05E 15–1 3.5
MOS III 03 08 06 57.2–.00 43.13N 45.03E 19–0 3.4
DRS III 03 08 06 58.9–.00 43.19N 45.00E 17 3.4
ISC Event type se.
NORS Event type se.
MOS Event type se.
DRS Event type se.
ISC III 03 13 02 41.8–1.3 40.13N–.05 48.2E–.20 10 9 1-2
TEH III 03 13 02 40.7 40.07N 48.42E 10–990 2.9L ¶612738457
DRS III 03 13 02 41.1–.00 39.93N 48.41E 21 2.9L
ISC Event type se.
DRS Event type se.
ISC III 06 01 18 35.6–.81 43.30N–.02 45.71E–.01 14–5 260 0-26
TIF III 06 01 18 33.9 43.32N 45.70E 9–2 ¶610245504
AZER III 06 01 18 33.2–.16 43.25N 45.34E 10–6
MOS III 06 01 18 34.6–.00 43.22N 45.70E 11–0 3.7
NORS III 06 01 18 34.4–.00 43.28N 45.80E 15–0 4.2
DRS III 06 01 18 38.2–.00 43.24N 45.71E 19 4.2
NNC III 06 01 18 42.8–2.5 43.55N 46.71E 0 3.8b
ISC Event type se.
AZER Error ellipse: s-maj=23.2km s-min=3.1km az=329.0.
MOS Event type se.
NORS Event type se.
DRS Event type se.
NNC Event type se. Error ellipse: s-maj=92.5km s-min=22.1km az=137.0.
ISC III 06 01 26 22.9–.88 43.42N–.02 45.75E–.01 10–5 4.4b,3.8s 674 0-78
IDC III 06 01 26 21.6–.45 43.28N 45.64E 0 4.3,4.2b ¶610472641

NEIC	III	06 01 26 21.8–1.7	43.36N–.05	45.81E–.08	10–1	4.5b,4.2b		
TIF	III	06 01 26 21.4	43.42N	45.73E	13–1	4.5b,4.2b		
MCSM	III	06 01 26 22.8–1.3	44N–3.0	46E–13	11–2	4.3b,4.2b		
MOS	III	06 01 26 22.6–.00	43.26N	45.74E	14–0	4.8,4.2b		
NORS	III	06 01 26 22.6–.00	43.29N	45.82E	15–0	5.3,4.2b		
AZER	III	06 01 26 24.3–.94	43.36N	45.37E	10	5.3,4.2b		
DRS	III	06 01 26 26.6–.00	43.35N	45.66E	20	5.3,4.2b		
NNC	III	06 01 26 30.9–2.9	43.53N	46.83E	0	4.5b,4.2b		
ISC	Event type se.							
IDC	Error ellipse: s-maj=7.6km s-min=5.9km az=160.0.							
NEIC	Event type se. Error ellipse: s-maj=9.9km s-min=8.7km az=116.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
MOS	Event type se.							
NORS	Event type se.							
AZER	Error ellipse: s-maj=8.7km s-min=7.6km az=37.0.							
DRS	Event type se. FELT I=VI MSK at Berkat-Yurt, Sadovoe, Tolstoy-Yurt; I=V-VI MSK at Grozny, Argun, Petropavlovskaya, Prigorodnoye; FELT I=V MSK at Gudermes, Pervomaiskaya, Raduzhnoe, Djalka, Atagi, Urus-Martan.							
NNC	Event type se. Error ellipse: s-maj=32.5km s-min=15.7km az=85.0.							
ISC	**III**	**06 06 24 02.0–1.0**	**40.26N–.01**	**46.35E–.01**	**7–8**	**3.7b**	**221**	**0-27**
IDC	III	06 06 23 59.8–1.6	39.87N	46.36E	0	3.7b,3.6		**¶610245508**
AZER	III	06 06 24 00.7–.04	40.24N	46.28E	10–0	3.7b,3.6		
TIF	III	06 06 24 00.7	40.01N	46.49E	25–4	3.7b,3.6		
TEH	III	06 06 24 02.3	40.23N	46.32E	15–33	3.8L,3.6		
MOS	III	06 06 24 02.5–1.5	40.15N	46.44E	11	4.0b,3.6		
NSSP	III	06 06 24 02.5	40.17N	46.23E	10	3.4s,3.6		
DRS	III	06 06 24 03.8–.00	40.10N	46.12E	22	3.4s,3.6		
ISC	Event type se.							
IDC	Error ellipse: s-maj=24.7km s-min=12.8km az=5.0.							
AZER	Error ellipse: s-maj=0.5km s-min=0.5km az=322.0.							
TEH	Error ellipse: s-maj=1.4km s-min=1.8km az=-1.0.							
MOS	Error ellipse: s-maj=8.9km s-min=4.3km az=89.2.							
DRS	Event type se.							
ISC	**III**	**10 02 50 24.7–.97**	**43.15N–.03**	**46.31E–.02**	**15–7**		**75**	**0-3**
NORS	III	10 02 50 22.9–.00	43.13N	46.33E	5–0	3.5		**¶610617557**
MOS	III	10 02 50 23.1–.00	43.16N	46.32E	12–0	3.3		
DRS	III	10 02 50 24.0–.00	43.27N	46.28E	18	3.3		
TIF	III	10 02 50 24.6	43.14N	46.23E	11–2	3.3		
ISC	Event type se.							
NORS	Event type se.							
MOS	Event type se.							
DRS	Event type se.							
ISC	**III**	**10 11 26 53.4–.91**	**41.86N–.03**	**48.05E–.04**	**5**		**37**	**0-3**
MOS	III	10 11 26 52.1–.00	41.89N	48.04E	9–0	3.8		**¶612738464**
DRS	III	10 11 26 53.1–.00	41.85N	48.30E	18	3.8		
ISC	Event type se.							
MOS	Event type se.							
DRS	Event type se.							
ISC	**III**	**12 07 13 13.5–.79**	**43.03N–.02**	**47.49E–.02**	**14–5**		**129**	**0-20**
MOS	III	12 07 13 12.5–.00	43.00N	47.49E	15–0	3.7		**¶610325602**
DRS	III	12 07 13 13.2–.00	43.07N	47.58E	14	3.7		
ISC	Event type se.							
MOS	Event type se.							
DRS	Event type se. FELT I=II-III MSK at Makhachkala.							
ISC	**III**	**12 22 42 00.5–.88**	**42.96N–.02**	**45.92E–.01**	**11–7**		**85**	**0-3**
MOS	III	12 22 41 58.5–.00	42.97N	45.94E	12–0	3.6		**¶610326028**
DRS	III	12 22 41 59.2–.00	42.98N	45.82E	14	3.6		
NORS	III	12 22 42 00.2–.00	42.98N	45.94E	12–0	3.6		
TIF	III	12 22 42 00.3	42.95N	45.84E	9–3	3.6		
ISC	Event type se.							
MOS	Event type se.							
DRS	Event type se.							
NORS	Event type se.							
ISC	**III**	**14 19 01 47.7–.95**	**42.56N–.02**	**45.42E–.02**	**14–8**		**85**	**0-2**
MOS	III	14 19 01 46.3–.00	42.53N	45.43E	14–0	3.9		**¶610617584**
NORS	III	14 19 01 47.4–.00	42.44N	45.41E	9–0	4.0		
TIF	III	14 19 01 47.1	42.59N	45.42E	9–2	4.0		
DRS	III	14 19 01 50.3–.00	42.53N	45.53E	14	4.0		
ISC	Event type se.							
MOS	Event type se.							
NORS	Event type se.							
DRS	Event type se.							
ISC	**III**	**15 05 57 46.1–1.7**	**40.59N–.03**	**47.93E–.06**	**11–13**		**42**	**1-6**
MOS	III	15 05 57 47.1–.00	40.75N	47.71E	15–0	3.6		**¶612738475**
DRS	III	15 05 57 49.5–.00	40.40N	47.87E	28	3.6		
TEH	III	15 05 57 56.5	39.85N	48.14E	26–199	2.9L		
ISC	Event type se.							
MOS	Event type se.							
DRS	Event type se.							
TEH	Error ellipse: s-maj=38.6km s-min=8.3km az=-1.0.							
ISC	**III**	**15 22 10 34.0–1.0**	**42.93N–.02**	**46.32E–.01**	**5–9**		**90**	**0-3**
TIF	III	15 22 10 32.7	42.94N	46.33E	18–4			**¶610329800**
MOS	III	15 22 10 32.2–.00	42.90N	46.34E	12–0	3.6		
NORS	III	15 22 10 32.6–.00	42.89N	46.35E	6–0	3.7		
DRS	III	15 22 10 32.9–.00	42.97N	46.19E	16	3.7		
ISC	Event type se.							
MOS	Event type se.							
NORS	Event type se.							
DRS	Event type se.							
ISC	**III**	**16 13 37 30.4–1.0**	**43.16N–.03**	**45.14E–.02**	**16–9**		**77**	**0-3**
TIF	III	16 13 37 29.6	43.25N	45.11E	12–1			**¶610617605**
MOS	III	16 13 37 29.7–.00	43.15N	45.14E	12–0	3.6		
NORS	III	16 13 37 30.0–.00	43.14N	45.15E	16–0	3.7		
DRS	III	16 13 37 31.9–.00	43.11N	45.06E	17	3.7		
ISC	Event type se.							
MOS	Event type se.							
NORS	Event type se.							
DRS	Event type se.							
ISC	**III**	**17 04 08 01.3–1.3**	**40.23N–.03**	**46.05E–.04**	**9–14**		**45**	**1-3**
TIF	III	17 04 08 02.4	40.22N	45.95E	33–1			**¶610617613**
TEH	III	17 04 08 03.3	40.21N	45.91E	7–4	2.8L		
DRS	III	17 04 08 06.0–.00	40.06N	45.77E	24	2.8L		
ISC	Event type se.							
TEH	Error ellipse: s-maj=0.3km s-min=0.3km az=-1.0.							
DRS	Event type se.							
ISC	**III**	**17 05 45 53.8–1.0**	**43.20N–.03**	**45.16E–.02**	**14–9**		**64**	**0-3**
MOS	III	17 05 45 52.8–.00	43.20N	45.13E	11–0	3.2		**¶610331530**
NORS	III	17 05 45 53.4–.00	43.09N	45.15E	15–0	3.5		
TIF	III	17 05 45 53.5	43.23N	45.10E	18–1	3.5		
DRS	III	17 05 45 56.0–.00	43.03N	45.43E	9	3.5		
ISC	Event type se.							
MOS	Event type se.							
NORS	Event type se.							
DRS	Event type se.							
ISC	**III**	**21 21 25 31.1–.55**	**40.11N–.02**	**48.77E–.02**	**10**	**3.2b**	**145**	**0-77**
DRS	III	21 21 25 27.8–.00	39.49N	49.36E	26	3.2b		**¶610543428**
IDC	III	21 21 25 28.2–1.3	40.24N	48.84E	0	3.5,3.4b		
MOS	III	21 21 25 29.3–1.5	40.17N	49.13E	15	3.8b,3.4b		
AZER	III	21 21 25 31.8–.02	40.09N	48.75E	13–0	3.8b,3.4b		
TEH	III	21 21 25 32.9	40.10N	48.78E	23–18	3.3L,3.4b		
ISC	Event type se.							
DRS	Event type se.							
IDC	Error ellipse: s-maj=25.2km s-min=10.5km az=171.0.							
MOS	Error ellipse: s-maj=10.0km s-min=6.2km az=115.4.							
AZER	Error ellipse: s-maj=0.3km s-min=0.3km az=254.0.							
TEH	Error ellipse: s-maj=1.2km s-min=1.4km az=-1.0.							
ISC	**III**	**26 08 22 40.3–1.8**	**40.67N–.06**	**49.13E–.09**	**23–17**		**26**	**1-8**
TEH	III	26 08 22 38.1	40.55N	49.32E	10	3.2L		**¶612728549**
DRS	III	26 08 22 42.5–.00	40.48N	49.05E	26	3.2L		
ISC	Event type se.							
TEH	Error ellipse: s-maj=0.6km s-min=0.3km az=-1.0.							
DRS	Event type se.							
ISC	**III**	**28 01 45 43.4–.88**	**43.19N–.02**	**45.14E–.01**	**13–6**		**206**	**0-24**
TIF	III	28 01 45 41.7	43.25N	45.11E	10–1			**¶610437106**
MOS	III	28 01 45 41.5–.00	43.17N	45.14E	12–0	4.1		
NORS	III	28 01 45 41.6–.00	43.16N	45.14E	12–0	4.2		
DRS	III	28 01 45 43.0–.00	43.11N	45.02E	16	4.2		
ISC	Event type se.							
MOS	Event type se.							
NORS	Event type se.							
DRS	Event type se.							
ISC	**IV**	**06 14 33 57.8–.91**	**43.18N–.02**	**45.11E–.02**	**15–7**		**74**	**0-2**
DRS	IV	06 14 33 55.0–.00	43.10N	44.88E	16			**¶610514475**
MOS	IV	06 14 33 55.6–.00	43.16N	45.14E	15–0	3.9		
TIF	IV	06 14 33 56.4	43.22N	45.11E	15–1	3.9		
NORS	IV	06 14 33 56.2–.00	43.14N	45.13E	17–0	4.0		
ISC	Event type se.							
DRS	Event type se.							
MOS	Event type se.							
NORS	Event type se.							
ISC	**IV**	**12 20 34 09.6–.96**	**42.00N–.03**	**46.16E–.02**	**11–8**		**52**	**0-3**
TIF	IV	12 20 34 08.5	41.99N	46.18E	20–1			**¶610609315**
DRS	IV	12 20 34 09.7–.00	41.93N	46.08E	14			
MOS	IV	12 20 34 09.3–.00	41.98N	46.20E	29–0	3.2		
NORS	IV	12 20 34 10.0–.00	41.99N	46.14E	14–0	2.9		
ISC	Event type se.							
DRS	Event type se.							
MOS	Event type se.							
NORS	Event type se.							
ISC	**IV**	**13 20 00 03.2–.00**	**40.94N–.03**	**49.92E–.04**	**89–7**		**97**	**0-11**
TEH	IV	13 20 00 01.5	40.82N	50.15E	10	3.4L		**¶612037552**
AZER	IV	13 20 00 03.1–.06	40.95N	49.90E	62	3.4L		
DRS	IV	13 20 00 07.1–.00	40.96N	50.26E	28	3.4L		
ISC	Event type se.							
TEH	Error ellipse: s-maj=0.7km s-min=0.3km az=-1.0.							
AZER	Error ellipse: s-maj=1.2km s-min=0.9km az=236.0.							
DRS	Event type se.							
ISC	**IV**	**14 04 04 11.3–1.0**	**42.90N–.03**	**45.18E–.02**	**11–8**		**46**	**0-2**
TIF	IV	14 04 04 09.3	42.93N	45.18E	3–2			**¶610609317**
MOS	IV	14 04 04 09.8–.00	42.89N	45.19E	13–0	3.6		
NORS	IV	14 04 04 10.8–.00	42.90N	45.21E	9–0	3.4		
DRS	IV	14 04 04 12.1–.00	42.73N	45.11E	17	3.4		
ISC	Event type se.							
MOS	Event type se.							
NORS	Event type se.							
DRS	Event type se.							
ISC	**IV**	**15 14 25 29.5–1.3**	**43.24N–.08**	**46.33E–.03**	**17–8**		**30**	**0-2**
DRS	IV	15 14 25 28.2–.00	43.27N	46.27E	13			**¶612733463**
MOS	IV	15 14 25 28.5–.00	43.20N	46.35E	12–0	3.2		
NORS	IV	15 14 25 28.5–.00	43.19N	46.36E	13–0	3.7		
ISC	Event type se.							
DRS	Event type se.							
MOS	Event type se.							
NORS	Event type se.							
ISC	**IV**	**15 18 16 27.5–.89**	**42.04N–.01**	**45.69E–.01**	**17–6**	**3.5b**	**350**	**0-75**
IDC	IV	15 18 16 25.3–.69	42.05N	45.59E	0	3.6,3.5b		**¶610528535**
MOS	IV	15 18 16 25.9–.00	42.07N	45.74E	9–0	4.2,3.5b		
TIF	IV	15 18 16 26.1	42.12N	45.73E	18–1	4.2,3.5b		
DDA	IV	15 18 16 26.6–.00	42.11N	45.57E	2–3	3.8W,3.5b		
AZER	IV	15 18 16 26.9–.19	41.85N	45.71E	2	3.8W,3.5b		
NORS	IV	15 18 16 26.2–.00	41.97N	45.72E	1–0	4.4,3.5b		
DRS	IV	15 18 16 27.2–.00	42.03N	45.70E	14	4.4,3.5b		
ISC	Event type se.							
IDC	Error ellipse: s-maj=10.5km s-min=8.7km az=66.0.							
MOS	Event type se.							
AZER	Error ellipse: s-maj=3.0km s-min=1.6km az=296.0.							
NORS	Event type se.							
DRS	Event type se.							
ISC	**IV**	**18 17 07 59.0–.97**	**42.81N–.03**	**46.27E–.02**	**11–7**		**53**	**0-3**
NORS	IV	18 17 07 57.6–.00	42.83N	46.26E	5–0	3.7		**¶616566831**
MOS	IV	18 17 07 57.7–.00	42.81N	46.27E	13–0	3.6		
DRS	IV	18 17 07 58.6–.00	42.79N	46.25E	9	3.6		
TIF	IV	18 17 07 59.0	42.79N	46.12E	8–2	3.6		
ISC	Event type se.							
NORS	Event type se.							
MOS	Event type se.							
DRS	Event type se.							
ISC	**IV**	**19 11 21 28.7–.82**	**43.25N–.04**	**46.24E–.02**	**12–5**		**72**	**0-16**
DRS	IV	19 11 21 27.8–.00	43.35N	46.14E	15			**¶610537713**
MOS	IV	19 11 21 28.5–.00	43.16N	46.25E	7–0	3.6		
NORS	IV	19 11 21 28.2–.00	43.19N	46.28E	8–0	3.9		
TIF	IV	19 11 21 29.0	43.25N	46.16E	17–2	3.9		
ISC	Event type se.							
DRS	Event type se.							
MOS	Event type se.							
NORS	Event type se.							
ISC	**IV**	**21 08 32 38.0–1.0**	**42.19N–.03**	**46.34E–.02**	**14–9**		**36**	**0-2**
MOS	IV	21 08 32 36.9–.00	42.21N	46.37E	14–0	3.4		**¶612733468**
DRS	IV	21 08 32 37.9–.00	42.17N	46.31E	13	3.4		
NORS	IV	21 08 32 37.6–.00	42.17N	46.34E	10–0	3.5		
ISC	Event type se.							
MOS	Event type se.							
DRS	Event type se.							
NORS	Event type se.							
ISC	**IV**	**22 03 28 45.1–.63**	**43.59N–.03**	**45.58E–.02**	**153–5**	**3.5b**	**328**	**0-57**
NNC	IV	22 03 28 41.2–5.8	43.57N	46.45E	0	3.7b		**¶610547217**
IDC	IV	22 03 28 44.9–1.3	43.33N	45.57E	136–12	3.8,3.4b		
TEH	IV	22 03 28 44.2	43.69N	45.69E	150	4.1L,3.4b		
NORS	IV	22 03 28 45.3–.00	43.51N	45.52E	150–1	4.9,3.4b		
TIF	IV	22 03 28 45.4	43.66N	45.66E	133–2	4.9,3.4b		
MOS	IV	22 03 28 45.7–.00	43.53N	45.52E	152–2	4.8,3.4b		
AZER	IV	22 03 28 47.5–.12	43.28N	45.73E	11–5	4.8,3.4b		
DRS	IV	22 03 28 52.0–.00	44.12N	45.20E	36	4.8,3.4b		
ISC	Event type se.							
NNC	Event type se. Error ellipse: s-maj=98.1km s-min=45.3km az=124.0.							
IDC	Error ellipse: s-maj=26.9km s-min=13.8km az=4.0.							
TEH	Error ellipse: s-maj=7.7km s-min=8.8km az=-1.0.							
NORS	Event type se.							
MOS	Event type se.							
AZER	Error ellipse: s-maj=12.4km s-min=1.6km az=340.0.							
DRS	Event type se.							
ISC	**IV**	**24 12 02 18.9–.71**	**42.18N–.02**	**46.76E–.02**	**59–5**	**3.4b**	**255**	**0-49**
TIF	IV	24 12 02 18.0	42.01N	46.85E	81–1	3.4b		**¶610548732**
MOS	IV	24 12 02 19.5–.00	42.19N	46.76E	51–0	4.6		
AZER	IV	24 12 02 20.8–.11	42.01N	46.66E	50	4.6		
DRS	IV	24 12 02 20.9–.00	42.06N	46.61E	18	4.6		
IDC	IV	24 12 02 20.0–1.8	42.33N	46.74E	68–23	3.5,3.0b		
NORS	IV	24 12 02 20.1–.00	42.22N	46.76E	52–0	4.7,3.0b		
ISC	Event type se.							
MOS	Event type se.							
AZER	Error ellipse: s-maj=2.5km s-min=1.1km az=355.0.							
DRS	Event type se.							
IDC	Error ellipse: s-maj=17.5km s-min=10.4km az=81.0.							
NORS	Event type se.							
ISC	**IV**	**24 21 41 15.2–1.2**	**43.87N–.05**	**45.04E–.02**	**13–8**		**68**	**0-2**
NORS	IV	24 21 41 12.7–.00	43.91N	45.05E	8–0	3.6		**¶610548822**
TIF	IV	24 21 41 13.1	43.93N	45.05E	22–3	3.6		
MOS	IV	24 21 41 13.5–.00	43.93N	45.00E	14–0	3.4		
DRS	IV	24 21 41 17.9–.00	43.81N	44.72E	24	3.4		
ISC	Event type se.							
NORS	Event type se.							

MOS Event type se.
DRS Event type se.
ISC V 03 08 53 41.5–.44 42.05N–.02 46.81E–.02 49–4 5.1b,4.0s 1440 0-157
BJI V 03 08 53 36.0–.00 42.30N 47.00E 10 4.9b,4.9b **¶611833721**
NEIC V 03 08 53 37.2–2.9 42.18N–.06 46.96E–.08 10–1 5.2b,4.9b
GII V 03 08 53 38.1–.00 42.14N 46.97E 10 5.2b,4.9b
IDC V 03 08 53 41.7–1.3 42.13N 46.85E 51–12 4.9,4.7L
NORS V 03 08 53 41.8–.00 41.98N 46.74E 36–0 5.8,4.7L
NNC V 03 08 53 42.9–3.0 42.21N 47.51E 15 5.0b,4.7L
MOS V 03 08 53 42.4–.00 42.03N 46.78E 49–0 5.4,4.7L
TIF V 03 08 53 42.9 41.96N 46.77E 65–1 5.4,4.7L
NSSP V 03 08 53 42.9 41.77N 46.68E 15 4.9s,4.7L
DRS V 03 08 53 43.7–.00 41.96N 46.69E 16 4.9s,4.7L
AZER V 03 08 53 43.5–.26 41.94N 46.79E 42–1 4.9s,4.7L
GCMT V 03 08 53 45.2–.30 42.06N–.02 46.77E–.02 58–2 5.1W,4.7L
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GII Event type ke.
NORS Event type se.
NNC Event type se.
MOS Event type se.
DRS Event type se. The Tsurib earthquake. FELT I=V-VI MSK at Tsurib; I=V MSK at Sogratal, Ruguja, Kumukh, Gunib, Vachi and Gergebil; I=IV-V MSK at Akusha and Levashi; I=IV MSK at Zakataly (Azerbaijan) and Arakani; I=III-IV MSK at Tlarata, Khunzakh, Shamilkala,) Untsukul, Urkarah,Karanay, Buinaksk, Sergokala, Karabudakhkent, Kaspiisk; I=III MSK at Dubki, Akhty, Kasumkent, Makhachkala and Derbent; I=II-III MSK at Botlikh and Dylym.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s64,c76; s99,c134;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.23±.20 $M_{\theta\theta}$2.20±.18; $M_{\phi\phi}$0.02±.19; $M_{r\theta}$-0.61±.20; $M_{\theta\phi}$4.92±.15; $M_{\phi r}$-0.17±.16; Best double couple: NP1:ϕ_s96.00000°,δ87.00000°,λ-9.00000°. NP2:ϕ_s186.00000°,δ81.00000°,λ-177.00000°. Principal axes: T 6.1910,Plg4.0000° ,Azm141.0000°; N -2.2320,Plg81.0000°,Azm256.0000°; P -3.9650,Plg9.0000°,Azm51.0000° $M_0$5.07800×10^{16}
ISC V 10 17 40 03.1–.55 43.23N–.03 46.22E–.02 98–4 3.5b 318 0-51
IDC V 10 17 40 02.8–1.1 43.26N 46.19E 77–17 3.8,3.3b **¶610623007**
TIF V 10 17 40 03.9 43.22N 46.14E 92–2 3.8,3.3b
NORS V 10 17 40 03.0–.00 43.13N 46.09E 121–3 4.8,3.3b
MOS V 10 17 40 04.3–.00 43.21N 46.15E 88–2 4.6,3.3b
DRS V 10 17 40 05.9–.00 43.44N 45.65E 30 4.6,3.3b
AZER V 10 17 40 05.4–.30 42.92N 46.13E 30–12 4.6,3.3b
NNC V 10 17 40 07.4–6.9 43.66N 47.17E 0 4.1b,3.3b
ISC Event type se.
IDC Error ellipse: s-maj=12.1km s-min=9.1km az=50.0.
NORS Event type se.
MOS Event type se.
DRS Event type se.
AZER Error ellipse: s-maj=24.7km s-min=3.9km az=339.0.
NNC Event type se. Error ellipse: s-maj=92.4km s-min=56.5km az=120.0.
ISC V 13 19 52 17.9–1.1 42.55N–.02 45.43E–.01 4–9 100 0-2
NORS V 13 19 52 16.9–.00 42.46N 45.46E 8–0 4.0 **¶610638568**
MOS V 13 19 52 16.4–.00 42.53N 45.43E 10–0 3.9
DRS V 13 19 52 17.5–.00 42.52N 45.41E 12 3.9
TIF V 13 19 52 19.1 42.61N 45.29E 10–0 3.9
ISC Event type se.
NORS Event type se.
MOS Event type se.
DRS Event type se.
ISC V 14 11 36 06.2–1.4 43.32N–.05 46.61E–.03 20–5 63 0-23
MOS V 14 11 36 04.4–2.3 43.54N 46.78E 16 3.6b **¶611805486**
DRS V 14 11 36 07.9–.00 43.60N 46.16E 34 3.6b
NORS V 14 11 36 07.9–.00 43.27N 46.32E 9–0 3.6
ISC Event type se.
MOS Error ellipse: s-maj=11.4km s-min=5.6km az=97.3.
DRS Event type se.
NORS Event type se.
ISC V 14 14 53 19.7–.68 43.07N–.02 46.72E–.01 11–4 3.7b 265 0-76
NORS V 14 14 53 15.9–.00 43.09N 47.00E 19–0 4.8 **¶610638586**
IDC V 14 14 53 17.4–.69 43.15N 46.58E 0 3.8,3.7b
AZER V 14 14 53 18.9–.18 42.94N 46.50E 2–1 3.8,3.7b
MOS V 14 14 53 19.1–.00 43.02N 46.70E 5–0 4.7,3.7b
DRS V 14 14 53 19.0–.00 43.16N 46.70E 14 4.7,3.7b
TIF V 14 14 53 19.4 43.06N 46.71E 12–1 4.7,3.7b
ISC Event type se.
NORS Event type se.
IDC Error ellipse: s-maj=12.8km s-min=8.2km az=172.0.
AZER Error ellipse: s-maj=3.5km s-min=2.6km az=337.0.
MOS Event type se.
DRS Event type se.
ISC V 15 10 29 21.4–.98 42.35N–.02 45.64E–.01 10–8 218 0-3
MOS V 15 10 29 19.9–.00 42.33N 45.65E 13–0 4.2 **¶610639763**
NORS V 15 10 29 20.1–.00 42.26N 45.65E 4–0 4.1
TIF V 15 10 29 21.1 42.38N 45.60E 8–2 4.1
DRS V 15 10 29 24.1–.00 42.34N 45.65E 18 4.1
ISC Event type se.
MOS Event type se.
NORS Event type se.
DRS Event type se.
MOS V 19 06 09 49.5–.00 43.21N 45.77E 17–0 3.6
NORS V 19 06 09 47.9–.00 43.12N 46.00E 19–0 4.0 **¶610643036**
DRS V 19 06 09 48.8–.00 43.33N 45.59E 16 4.0
MOS Event type se.
NORS Event type se.
DRS Event type se.
ISC V 23 10 01 11.8–1.0 42.90N–.03 46.39E–.02 4–9 67 0-3
DRS V 23 10 01 09.7–.00 42.92N 46.30E 12 **¶610650494**
MOS V 23 10 01 10.2–.00 42.89N 46.41E 11–0 3.7
TIF V 23 10 01 11.6 42.85N 46.28E 5–2 3.7
NORS V 23 10 01 11.1–.00 42.23N 46.17E 11–0 3.9
ISC Event type se.
DRS Event type se.
MOS Event type se.
NORS Event type se.
ISC V 26 16 44 44.8–1.1 42.11N–.03 45.99E–.02 20–4 47 0-2
TIF V 26 16 44 43.1 42.11N 45.94E 14–2 **¶610782588**
MOS V 26 16 44 43.6–.00 42.13N 46.01E 19–0 3.2
NORS V 26 16 44 44.7–.00 42.11N 46.08E 23–0 3.4
DRS V 26 16 44 45.2–.00 42.09N 45.89E 18 3.4
ISC Event type se.
MOS Event type se.
NORS Event type se.
DRS Event type se.
ISC V 30 19 16 10.9–1.1 42.82N–.02 47.96E–.02 13–8 3.7b 303 0-27
TEH V 30 19 16 08.8 42.93N 48.09E 17–51 3.7L **¶610656202**
NORS V 30 19 16 08.4–.00 42.78N 47.91E 4–0 4.5
IDC V 30 19 16 09.6–.87 42.97N 47.80E 0 3.6,3.5b
MOS V 30 19 16 10.0–.00 42.73N 47.89E 9–0 4.5,3.5b
AZER V 30 19 16 10.3–.15 42.61N 47.84E 3–1 4.5,3.5b
ISC Event type se.
TEH Error ellipse: s-maj=4.3km s-min=4.2km az=-1.0.
NORS Event type se.
IDC Error ellipse: s-maj=12.5km s-min=7.8km az=153.0.
MOS Event type se.
AZER Error ellipse: s-maj=2.2km s-min=1.1km az=225.0.
ISC VI 01 11 56 29.6–.97 43.02N–.02 45.77E–.01 13–8 160 0-51
TIF VI 01 11 56 28.0 42.97N 45.84E 15–2 **¶610657921**
MOS VI 01 11 56 28.1–.00 43.02N 45.79E 11–0 3.8
NORS VI 01 11 56 28.4–.00 43.00N 45.80E 12–0 4.2
DRS VI 01 11 56 29.9–.00 43.05N 45.64E 18 4.2
ISC Event type se.
MOS Event type se.
NORS Event type se.
DRS Event type se.
ISC VI 01 16 56 22.9–1.0 43.02N–.03 45.78E–.02 18–3 57 0-2
NORS VI 01 16 56 20.7–.00 42.98N 45.77E 6–0 3.9 **¶610657917**
MOS VI 01 16 56 20.5–.00 42.99N 45.78E 5–0 3.6
DRS VI 01 16 56 21.9–.00 43.02N 45.62E 16 3.6
TIF VI 01 16 56 22.5 42.99N 45.70E 18–0 3.6
ISC Event type se.
NORS Event type se.
MOS Event type se.
DRS Event type se.
ISC VI 01 17 31 09.4–.93 43.02N–.03 45.78E–.02 10–8 72 0-3
MOS VI 01 17 31 07.4–.00 42.99N 45.79E 11–0 3.6 **¶610659572**
NORS VI 01 17 31 07.5–.00 43.00N 45.79E 12–0 3.8
DRS VI 01 17 31 07.5–.00 43.01N 45.63E 15 3.8
TIF VI 01 17 31 09.0 42.97N 45.72E 9–5 3.8
ISC Event type se.
MOS Event type se.
NORS Event type se.
DRS Event type se.
ISC VI 02 06 15 20.2–.68 41.05N–.01 47.42E–.01 9–4 4.3b,3.7s 550 0-101
NSSP VI 02 06 15 17.3 40.97N 47.37E 10 4.6s,3.7s **¶610659604**
IDC VI 02 06 15 18.8–.52 40.97N 47.45E 0 4.1,4.1b
AZER VI 02 06 15 18.9–.07 41.11N 47.41E 10–0 4.1,4.1b
MOS VI 02 06 15 19.4–.00 41.16N 47.43E 4–0 5.2,4.1b
TEH VI 02 06 15 20.0 41.05N 47.37E 13–31 4.2L,4.1b
TIF VI 02 06 15 20.5 40.97N 47.52E 23–1 4.2L,4.1b
NEIC VI 02 06 15 20.6–1.7 41.08N–.08 47.49E–.07 10–1 4.4b,4.1b
DRS VI 02 06 15 21.0–.00 40.94N 47.36E 18 4.4b,4.1b
NNC VI 02 06 15 24.6–4.3 41.27N 47.81E 17–38 4.4b,4.1b
ISC Event type se.
IDC Error ellipse: s-maj=11.4km s-min=6.7km az=161.0.
AZER Error ellipse: s-maj=0.4km s-min=0.3km az=23.0.
MOS Event type se.
TEH Error ellipse: s-maj=2.0km s-min=1.7km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=8.8km az=357.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DRS Event type se.
NNC Event type se. Error ellipse: s-maj=33.0km s-min=13.5km az=71.0.
ISC VI 05 07 20 58.2–.76 41.83N–.01 46.59E–.01 17–5 3.6b 291 0-75
IDC VI 05 07 20 55.5–.76 41.82N 46.63E 0 3.8,3.7b **¶610661470**
NSSP VI 05 07 20 55.2 41.78N 46.52E 10 3.8s,3.7b
AZER VI 05 07 20 56.4–.12 41.76N 46.43E 4–0 3.8s,3.7b
TIF VI 05 07 20 57.7 41.82N 46.58E 17–0 3.8s,3.7b
TEH VI 05 07 20 57.0 41.89N 46.98E 10 3.7L,3.7b
MOS VI 05 07 20 58.3–.00 41.85N 46.62E 6–0 4.8,3.7b
DRS VI 05 07 20 59.0–.00 41.82N 46.58E 16 4.8,3.7b
NORS VI 05 07 20 59.7–.00 42.00N 46.64E 6–0 4.5,3.7b
ISC Event type se.
IDC Error ellipse: s-maj=12.6km s-min=8.7km az=145.0.
AZER Error ellipse: s-maj=1.6km s-min=0.5km az=351.0.
TEH Error ellipse: s-maj=0.6km s-min=0.2km az=-1.0.
MOS Event type se.
DRS Event type se.
NORS Event type se.
ISC VI 06 01 03 10.3–1.0 42.54N–.03 45.45E–.02 9–9 60 0-2
NORS VI 06 01 03 10.1–.00 42.50N 45.43E 7–0 3.7 **¶610782598**
MOS VI 06 01 03 10.0–.00 42.54N 45.47E 23–0 3.6
TIF VI 06 01 03 10.1 42.62N 45.38E 10–2 3.6
DRS VI 06 01 03 11.2–.00 42.52N 45.48E 13 3.6
ISC Event type se.
NORS Event type se.
MOS Event type se.
DRS Event type se.
ISC VI 07 18 25 42.7–.52 41.38N–.01 45.81E–.01 29–3 4.5b,3.7s 758 0-100
IDC VI 07 18 25 38.9–.48 41.40N 45.80E 0 4.3,4.2b **¶610666945**
AZER VI 07 18 25 39.6–.10 41.37N 45.85E 5–0 4.3,4.2b
NORS VI 07 18 25 39.8–.00 41.44N 45.84E 5–0 5.4,4.2b
MOS VI 07 18 25 39.7–.00 41.38N 45.86E 10–0 5.6,4.2b
BJI VI 07 18 25 39.0–.00 41.40N 45.80E 10 4.8b,4.8b
TIF VI 07 18 25 41.8 41.41N 45.80E 29–1 4.8b,4.8b
TEH VI 07 18 25 41.6 41.40N 45.82E 20–40 4.7L,4.8b
NEIC VI 07 18 25 41.1–1.9 41.47N–.05 45.93E–.08 10–1 4.7b,4.8b
DDA VI 07 18 25 42.7–.00 41.46N 45.71E 7–1 4.5W,4.8b
DRS VI 07 18 25 42.9–.00 41.25N 45.67E 20 4.5W,4.8b
NSSP VI 07 18 25 42.8 41.37N 45.72E 12 4.9s,4.8b
NNC VI 07 18 25 49.9–2.4 42.03N 47.11E 0 4.7b,4.8b
ISC Event type se.
IDC Error ellipse: s-maj=7.4km s-min=6.8km az=7.0.
AZER Error ellipse: s-maj=1.8km s-min=0.8km az=320.0.
NORS Event type se.
MOS Event type se.
TEH Error ellipse: s-maj=1.8km s-min=2.2km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=8.5km az=80.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DRS Event type se.
NNC Event type se. Error ellipse: s-maj=33.4km s-min=16.2km az=114.0.
ISC VI 13 04 56 05.3–1.9 41.34N–.04 45.78E–.02 5–14 59 0-2
MOS VI 13 04 56 05.4–.00 41.36N 45.88E 22–0 3.9 **¶610671751**
NORS VI 13 04 56 06.4–.00 41.40N 45.80E 2–0 4.0
TIF VI 13 04 56 07.3 41.39N 45.74E 25–1 4.0
DRS VI 13 04 56 09.6–.00 41.37N 45.76E 20 4.0
ISC Event type se.
MOS Event type se.
NORS Event type se.
DRS Event type se.
ISC VI 13 07 53 21.6–2.2 42.66N–.03 47.91E–.05 11–15 42 0-4
MOS VI 13 07 53 21.1–.00 42.67N 47.89E 20–0 3.8 **¶614848618**
DRS VI 13 07 53 22.9–.00 42.65N 47.82E 14 3.8
ISC Event type se.
MOS Event type se.
DRS Event type se.
ISC VI 16 13 41 13.0–.45 40.58N–.02 47.65E–.02 38–1 4.3b,3.1s 528 0-79
IDC VI 16 13 41 08.4–.58 40.62N 47.72E 0 4.3,4.2b **¶611834126**
MOS VI 16 13 41 12.7–.99 40.45N 47.82E 45 4.7b,4.2b
TEH VI 16 13 41 13.6 40.59N 47.65E 45 4.2L,4.2b
AZER VI 16 13 41 13.1–.03 40.55N 47.59E 34–1 4.2L,4.2b
NEIC VI 16 13 41 15.0–2.0 40.64N–.04 47.81E–.09 51–8 4.4b,4.2b
TIF VI 16 13 41 14.8 40.62N 47.67E 29–1 4.4b,4.2b
DRS VI 16 13 41 17.1–.00 40.37N 47.71E 27 4.4b,4.2b
NNC VI 16 13 41 19.1–3.3 40.97N 48.49E 28–27 4.1b,4.2b
ISC Event type se.
IDC Error ellipse: s-maj=11.0km s-min=7.8km az=1.0.
MOS Error ellipse: s-maj=6.1km s-min=3.7km az=113.3.
TEH Error ellipse: s-maj=1.9km s-min=2.3km az=-1.0.
AZER Error ellipse: s-maj=0.8km s-min=0.5km az=246.0.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=3.0km az=64.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DRS Event type se.
NNC Event type se. Error ellipse: s-maj=20.1km s-min=10.1km az=68.0.
ISC VI 22 17 52 45.6–1.1 42.07N–.03 46.01E–.02 20–4 80 1-3
MOS VI 22 17 52 43.9–.00 42.07N 46.02E 24–0 3.6 **¶610779997**
TIF VI 22 17 52 44.7 42.13N 46.00E 19–2 3.6
NORS VI 22 17 52 45.2–.00 42.07N 46.04E 14–0 3.6
DRS VI 22 17 52 46.2–.00 42.04N 45.91E 18 3.6
ISC Event type se.
MOS Event type se.
NORS Event type se.

DRS Event type se.
ISC VI 28 10 04 42.5–1.1 42.95N–.03 45.22E–.02 11–9 66 0-2
NORS VI 28 10 04 41.1–.00 42.93N 45.23E 7–0 3.7 ¶614866577
MOS VI 28 10 04 41.5–.00 42.93N 45.24E 11–0 3.6
DRS VI 28 10 04 43.2–.00 43.08N 45.00E 21 3.6
ISC Event type se.
NORS Event type se.
MOS Event type se.
DRS Event type se.
MOS VI 29 07 59 34.4–.00 42.80N 47.94E 9–0 3.9
DRS VI 29 07 59 36.4–.00 42.83N 47.93E 15 3.9 ¶614867820
MOS Event type se.
DRS Event type se.

(338) Caspian Sea.

DRS I 03 04 48 55.5–.00 42.02N 50.01E 24
¶611083527
DRS Event type se.
ISC I 10 09 31 36.6–1.7 40.56N–.06 51.95E–.06 111–34 75 2-11
AZER I 10 09 31 35.5–.10 40.49N 51.99E 60 ¶612032927
TEH I 10 09 31 35.8 40.54N 52.00E 60 3.7L
ISC Event type ke.
TEH Error ellipse: s-maj=1.9km s-min=1.8km az=-1.0.
ISC I 11 14 28 04.3–.52 40.60N–.03 52.00E–.03 42–5 4.5b,3.5s 537 1-99
IDC I 11 14 27 59.0–.54 40.63N 52.02E 0 4.3,4.3b ¶610056565
MOS I 11 14 28 02.6–1.3 40.76N 52.04E 31 4.8b,4.3b
TEH I 11 14 28 04.9 40.46N 51.90E 50 4.5L,4.3b
NEIC I 11 14 28 04.4–1.6 40.64N–.08 52.01E–.09 34–6 4.6b,4.3b
AZER I 11 14 28 06.0–.05 40.34N 51.83E 60–3 4.6b,4.3b
NNC I 11 14 28 08.9–5.2 41.04N 52.93E 0 4.8b,4.3b
ISC Event type se.
IDC Error ellipse: s-maj=13.7km s-min=8.4km az=178.0.
MOS Error ellipse: s-maj=5.0km s-min=3.6km az=36.8.
TEH Error ellipse: s-maj=3.0km s-min=1.7km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=9.9km az=194.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AZER Error ellipse: s-maj=1.1km s-min=0.6km az=270.0.
NNC Event type se. Error ellipse: s-maj=62.1km s-min=18.0km az=70.0.
ISC I 15 14 41 09.2–1.0 40.85N–.06 50.27E–.06 50 24 3-11
TEH I 15 14 41 07.3 40.68N 50.11E 10 2.9L ¶612033134
ISC Event type ke.
TEH Error ellipse: s-maj=0.7km s-min=0.3km az=-1.0.
ISC I 29 09 06 02.6–1.0 39.59N–.04 51.62E–.04 41–14 3.7b 108 2-78
IDC I 29 09 05 56.7–1.9 39.43N 51.45E 0 3.7,3.6b ¶610235629
TEH I 29 09 05 59.8 39.52N 51.60E 10 3.7L,3.6b
AZER I 29 09 06 03.7–.08 39.58N 51.49E 48–41 3.7L,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=34.3km s-min=17.9km az=10.0.
TEH Error ellipse: s-maj=0.8km s-min=0.8km az=-1.0.
AZER Error ellipse: s-maj=1.8km s-min=1.1km az=288.0.
ISC II 02 01 35 49.5–1.0 39.78N–.04 51.82E–.05 35 91 2-18
AZER II 02 01 35 48.4–.10 39.66N 51.82E 49–15 ¶612084482
TEH II 02 01 35 49.8 39.77N 51.77E 49 3.2L
NNC II 02 01 35 52.8–5.8 39.67N 55.17E 0 3.9b
ISC Event type se.
AZER Error ellipse: s-maj=2.0km s-min=1.0km az=290.0.
TEH Error ellipse: s-maj=2.8km s-min=2.9km az=-1.0.
NNC Event type se. Error ellipse: s-maj=74.9km s-min=44.7km az=86.0.
ISC II 05 01 17 51.2–.95 40.61N–.05 51.99E–.05 72–16 3.4b 143 1-26
IDC II 05 01 17 46.7–1.3 40.77N 52.01E 0 3.6,3.3b ¶610414853
TEH II 05 01 17 51.4 40.51N 51.91E 80 3.9L,3.3b
AZER II 05 01 17 51.1–.01 40.48N 51.89E 58–3 3.9L,3.3b
ISC Event type ke.
IDC Error ellipse: s-maj=19.8km s-min=8.9km az=154.0.
TEH Error ellipse: s-maj=3.1km s-min=1.9km az=-1.0.
AZER Error ellipse: s-maj=0.7km s-min=0.3km az=285.0.
ISC II 06 13 46 37.4–.58 40.40N–.03 50.53E–.03 67–5 4.4b 498 0-79
MOS II 06 13 46 30.7–1.7 40.38N 50.68E 31 4.6b ¶610198060
IDC II 06 13 46 30.2–.67 40.44N 50.46E 0 4.5L,4.1
NEIC II 06 13 46 35.3–1.5 40.48N–.09 50.6E–.10 35–2 4.6b,4.1
THR II 06 13 46 35.4–.46 40.29N 50.63E 15 4.8L,4.1
TEH II 06 13 46 37.1 40.25N 50.50E 65 4.7L,4.1
AZER II 06 13 46 39.4–.07 40.30N 50.23E 60 4.7L,4.1
DRS II 06 13 46 40.1–.00 40.51N 50.78E 26 4.7L,4.1
NNC II 06 13 46 44.6–2.1 40.97N 52.05E 0 4.3b,4.1
ISC Event type se.
MOS Error ellipse: s-maj=5.2km s-min=3.2km az=42.7.
IDC Error ellipse: s-maj=14.4km s-min=9.7km az=171.0.
NEIC Event type se. Error ellipse: s-maj=15.2km s-min=12.6km az=146.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
THR Error ellipse: s-maj=7.5km s-min=2.5km az=-1.0.
TEH Error ellipse: s-maj=1.9km s-min=1.7km az=-1.0.
AZER Error ellipse: s-maj=1.5km s-min=0.7km az=263.0.
DRS Event type se.
NNC Event type se. Error ellipse: s-maj=22.0km s-min=9.5km az=76.0.
ISC II 11 19 25 43.1–1.1 41.01N–.09 51.91E–.07 35 18 4-14
TEH II 11 19 25 42.7 40.63N 51.83E 10 3.4L ¶612085093
ISC Event type ke.
TEH Error ellipse: s-maj=0.6km s-min=0.3km az=-1.0.
ISC II 13 05 26 56.8–2.2 39.62N–.05 51.57E–.05 14–16 86 2-9
TEH II 13 05 26 55.3 39.60N 51.63E 10 3.6L ¶612728046
AZER II 13 05 26 59.4–.33 39.57N 51.51E 59–13 3.6L
ISC Event type ke.
TEH Error ellipse: s-maj=0.4km s-min=0.4km az=-1.0.
AZER Error ellipse: s-maj=6.1km s-min=2.8km az=261.0.
ISC II 15 17 38 23.5–.84 37.58N–.02 49.05E–.03 14–5 84 0-9
TEH II 15 17 38 22.4 37.57N 49.02E 18–17 3.6L ¶612728048
AZER II 15 17 38 24.0–.11 37.80N 49.04E 10 3.6L
ISC Event type ke.
TEH Error ellipse: s-maj=1.4km s-min=1.7km az=-1.0.
AZER Error ellipse: s-maj=2.6km s-min=1.6km az=256.0.
ISC II 16 00 50 33.4–1.5 40.53N–.05 51.76E–.05 18–5 89 1-11
AZER II 16 00 50 34.5–.15 40.46N 51.68E 30–1 ¶612085402
TEH II 16 00 50 35.0 40.52N 51.75E 40 3.5L
ISC Event type ke.
AZER Error ellipse: s-maj=2.7km s-min=2.0km az=299.0.
TEH Error ellipse: s-maj=3.8km s-min=3.7km az=-1.0.
ISC II 25 15 58 54.5–1.8 40.36N–.07 51.66E–.07 10 37 2-5
AZER II 25 15 58 53.4–.28 40.50N 51.94E 59–78 ¶612728053
TEH II 25 15 58 56.2 40.13N 51.61E 10 3.2L
ISC Event type ke.
AZER Error ellipse: s-maj=10.9km s-min=3.5km az=265.0.
TEH Error ellipse: s-maj=0.4km s-min=0.2km az=-1.0.
ISC III 05 03 57 45.4–1.6 41.58N–.05 50.47E–.05 30–12 3.6b 80 1-51
IDC III 05 03 57 41.0–1.5 41.47N 50.34E 0 3.5,3.5b ¶610545570
TEH III 05 03 57 44.6 41.56N 50.56E 65 3.2L,3.5b
AZER III 05 03 57 45.8–.07 41.52N 50.43E 40–1 3.2L,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=40.1km s-min=16.3km az=16.0.
TEH Error ellipse: s-maj=4.9km s-min=3.3km az=-1.0.
AZER Error ellipse: s-maj=1.5km s-min=1.1km az=239.0.
ISC III 06 06 38 10.0–.74 39.44N–.05 52.11E–.04 10 3.2b 85 2-27
IDC III 06 06 38 08.8–2.4 39.35N 52.00E 0 3.4,3.4b ¶610545629
TEH III 06 06 38 10.3 39.39N 52.13E 10 3.8L,3.4b
AZER III 06 06 38 15.7–.15 39.25N 51.84E 40–5 3.8L,3.4b
NNC III 06 06 38 26.9–6.7 40.16N 54.44E 0 3.9b,3.4b
ISC Event type se.
IDC Error ellipse: s-maj=38.2km s-min=17.3km az=6.0.
TEH Error ellipse: s-maj=0.7km s-min=0.7km az=-1.0.
AZER Error ellipse: s-maj=6.4km s-min=1.8km az=284.0.
NNC Event type se. Error ellipse: s-maj=95.8km s-min=22.7km az=72.0.
ISC III 15 17 38 03.8–1.6 40.03N–.09 50.1E–.10 35 11 2-4
DRS III 15 17 38 06.5–.00 39.92N 49.90E 24 ¶612738476
TEH III 15 17 38 09.6 39.11N 49.71E 10–999 2.9L
ISC Event type se.
DRS Event type se.
TEH Error ellipse: s-maj=28.9km s-min=14.9km az=-1.0.
ISC III 20 21 34 58.0–1.0 42.31N–.02 48.27E–.02 10–7 3.3b 186 0-55
IDC III 20 21 34 57.9–.98 42.42N 48.13E 0 3.5s,3.4 ¶610434652
MOS III 20 21 34 58.0–.00 42.19N 48.12E 10–0 4.0,3.4
AZER III 20 21 34 58.6–.09 42.10N 48.07E 4–0 4.0,3.4
DRS III 20 21 34 59.4–.00 42.19N 48.25E 18 4.0,3.4
NNC III 20 21 35 00.7–2.9 42.29N 48.99E 0 3.4b,3.4
ISC Event type se.
IDC Error ellipse: s-maj=14.7km s-min=8.6km az=157.0.
MOS Event type se.
AZER Error ellipse: s-maj=1.0km s-min=0.6km az=12.0.
DRS Event type se.
NNC Event type se. Error ellipse: s-maj=42.6km s-min=20.9km az=112.0.
ISC III 25 08 39 47.0–.77 40.49N–.04 50.60E–.05 75–7 3.4b 115 0-30
IDC III 25 08 39 37.8–2.0 40.13N 50.20E 0 3.7s,3.7 ¶610543635
TEH III 25 08 39 47.0 40.34N 50.63E 60 3.7L,3.7
AZER III 25 08 39 48.4–.10 40.41N 50.36E 60–1 3.7L,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=33.2km s-min=17.2km az=6.0.
TEH Error ellipse: s-maj=2.1km s-min=1.6km az=-1.0.
AZER Error ellipse: s-maj=2.0km s-min=1.0km az=245.0.
ISC III 26 03 43 57.6–1.9 41.23N–.08 49.36E–.07 17–9 45 1-11
MOS III 26 03 43 57.7–.00 41.16N 49.26E 20–0 4.0 ¶612088006
DRS III 26 03 44 00.8–.00 41.19N 49.68E 24 4.0
ISC Event type se.
MOS Event type se.
DRS Event type se.
ISC IV 04 03 01 40.0–1.4 40.47N–.05 51.71E–.07 94–21 74 2-26
TEH IV 04 03 01 37.9 40.46N 51.80E 50 3.4L ¶610651887
AZER IV 04 03 01 38.9–.10 40.40N 51.74E 58–24 3.4L
IDC IV 04 03 01 45.3–5.0 41.88N 51.35E 0 3.3b,3.2
ISC Event type ke.
TEH Error ellipse: s-maj=1.7km s-min=1.6km az=-1.0.
AZER Error ellipse: s-maj=3.1km s-min=1.2km az=256.0.
IDC Error ellipse: s-maj=121.8km s-min=18.4km az=4.0.
ISC IV 21 11 06 20.5–.87 41.26N–.04 50.62E–.06 86–11 3.1b 81 1-40
IDC IV 21 11 06 14.2–3.1 41.25N 50.15E 0 3.6,3.5s ¶610653191
AZER IV 21 11 06 20.6–.30 41.13N 50.63E 60–5 3.6,3.5s
DRS IV 21 11 06 22.8–.00 41.83N 50.70E 22 3.6,3.5s
ISC Event type se.
IDC Error ellipse: s-maj=48.9km s-min=13.9km az=1.0.
AZER Error ellipse: s-maj=5.4km s-min=3.0km az=249.0.
DRS Event type se.
ISC V 02 16 04 58.5–1.6 39.98N–.07 50.70E–.07 35 23 2-7
TEH V 02 16 04 53.7 39.97N 50.72E 10 3.5L ¶612733486
DRS V 02 16 04 59.3–.00 39.90N 50.75E 24 3.5L
ISC Event type se.
TEH Error ellipse: s-maj=0.8km s-min=0.4km az=-1.0.
DRS Event type se.
ISC V 10 20 40 15.3–1.3 42.33N–.02 48.39E–.04 2–10 160 1-22
DRS V 10 20 40 11.1–.00 42.31N 48.75E 17 ¶610623468
MOS V 10 20 40 12.1–.00 42.30N 48.46E 16–0 3.7
ISC Event type se.
DRS Event type se.
MOS Event type se.
ISC V 23 06 13 25.8–2.1 42.40N–.04 48.99E–.08 11–9 96 1-18
MOS V 23 06 13 28.5–.00 42.38N 48.72E 21–0 4.0 ¶610646479
DRS V 23 06 13 29.0–.00 42.44N 48.91E 18 4.0
ISC Event type se.
MOS Event type se.
DRS Event type se.
ISC V 30 13 33 18.1–.88 40.99N–.05 51.62E–.05 35 3.4b 118 1-26
IDC V 30 13 33 10.3–2.9 40.68N 51.55E 0 3.8,3.6b ¶610656120
AZER V 30 13 33 19.5–.18 40.81N 51.49E 44–1 3.8,3.6b
TEH V 30 13 33 20.2 40.84N 51.54E 40 4.0L,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=49.5km s-min=14.3km az=175.0.
AZER Error ellipse: s-maj=2.6km s-min=1.9km az=254.0.
TEH Error ellipse: s-maj=3.1km s-min=2.4km az=-1.0.
ISC V 31 05 04 33.2–1.2 42.35N–.02 48.56E–.03 4–8 3.4b 190 0-50
IDC V 31 05 04 31.5–1.7 42.11N 48.46E 0 3.5,3.4b ¶610656218
NORS V 31 05 04 32.3–.00 42.37N 48.50E 10–0 3.9,3.4b
MOS V 31 05 04 33.1–.00 42.30N 48.37E 5–0 3.8,3.4b
AZER V 31 05 04 33.2–.45 42.26N 48.64E 17–1 3.8,3.4b
ISC Event type se.
IDC Error ellipse: s-maj=31.1km s-min=12.3km az=1.0.
NORS Event type se.
MOS Event type se.
AZER Error ellipse: s-maj=6.4km s-min=5.3km az=249.0.
ISC VI 07 10 17 26.6–.44 39.91N–.04 52.66E–.03 10 4.0b,3.5s 319 2-95
MOS VI 07 10 17 25.7–1.3 39.79N 52.68E 10 4.3b,2.8s ¶610666306
IDC VI 07 10 17 25.6–.93 40.00N 52.45E 0 4.1,3.9b
TEH VI 07 10 17 26.5 39.80N 52.54E 10 4.4L,3.9b
NEIC VI 07 10 17 27.8–1.5 40.12N–.07 52.66E–.09 10–2 4.1b,3.9b
NNC VI 07 10 17 28.3–2.4 40.38N 52.74E 0 4.3b,3.9b
AZER VI 07 10 17 29.2–.09 39.82N 52.25E 10 4.3b,3.9b
DRS VI 07 10 17 32.8–.00 38.95N 52.05E 27 4.3b,3.9b
ISC Event type se.
MOS Error ellipse: s-maj=7.4km s-min=4.1km az=33.7.
IDC Error ellipse: s-maj=15.4km s-min=8.3km az=173.0.
TEH Error ellipse: s-maj=0.7km s-min=0.7km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=11.6km az=140.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=25.3km s-min=7.8km az=67.0.
AZER Error ellipse: s-maj=1.8km s-min=1.1km az=316.0.
DRS Event type se.
ISC VI 18 14 36 40.4–1.2 42.85N–.02 48.00E–.03 5–9 3.4b 185 0-35
IDC VI 18 14 36 39.7–3.4 42.54N 47.58E 0 3.3,3.3b ¶610681521
DRS VI 18 14 36 40.9–.00 42.80N 48.07E 14 3.3,3.3b
MOS VI 18 14 36 41.2–.00 42.77N 47.92E 21–0 4.2,3.3b
AZER VI 18 14 36 45.0–.27 42.58N 47.85E 8–2 4.2,3.3b
ISC Event type se.
IDC Error ellipse: s-maj=85.3km s-min=15.3km az=4.0.
DRS Event type se.
MOS Event type se.
AZER Error ellipse: s-maj=10.9km s-min=2.7km az=10.0.
ISC VI 18 14 42 32.2–1.2 42.87N–.03 48.01E–.03 10–9 95 0-10
DRS VI 18 14 42 32.4–.00 42.85N 48.05E 14 ¶610681523
MOS VI 18 14 42 32.3–.00 42.79N 47.91E 17–0 3.8
ISC Event type se.
DRS Event type se.
MOS Event type se.
ISC VI 18 15 01 53.4–1.5 42.81N–.04 48.01E–.07 15–9 42 0-4
MOS VI 18 15 01 53.0–.00 42.77N 47.91E 12–0 3.7 ¶614853659
DRS VI 18 15 01 54.2–.00 42.82N 48.05E 17 3.7
ISC Event type se.
MOS Event type se.
DRS Event type se.

(339) Northwestern Uzbekistan.

ISC II 22 14 27 39.2–.90 42.96N–.05 64.31E–.07 10 12 1-11
ISU II 22 14 27 41.0 42.00N 66.04E 28 ¶612085831
NNC II 22 14 27 44.3–4.0 43.35N 64.76E 0 3.3b,2.6

ISC Event type se.
NNC Event type se. Error ellipse: s-maj=43.9km s-min=14.0km az=35.0.
ISC V 10 04 36 12.6–.74 40.31N–.04 63.10E–.03 15 29 0-26
NNC V 10 04 36 09.0–.85 40.22N 63.64E 0 3.7b ¶610689936
IDC V 10 04 36 16.6–1.7 40.59N 63.10E 0 3.7,3.5L
ISU V 10 04 36 18.2 40.36N 63.47E 15 3.7,3.5L
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=11.8km s-min=5.6km az=157.0.
IDC Error ellipse: s-maj=21.8km s-min=15.3km az=22.0.

(340) Turkmenistan.

ISC I 02 14 57 01.2–.74 40.30N–.05 53.03E–.04 10 3.6b 91 3-27
AZER I 02 14 56 59.9–.10 40.04N 53.14E 23–7 3.6b ¶610095135
IDC I 02 14 56 59.4–1.3 40.04N 52.82E 0 3.6L,3.5
TEH I 02 14 57 00.6 40.14N 53.02E 10 3.7L,3.5
NNC I 02 14 57 04.7–3.7 40.51N 53.65E 0 3.6b,3.5
ISC Event type se.
AZER Error ellipse: s-maj=15.7km s-min=1.3km az=268.0.
IDC Error ellipse: s-maj=23.1km s-min=9.7km az=2.0.
TEH Error ellipse: s-maj=0.8km s-min=0.6km az=-1.0.
NNC Event type se. Error ellipse: s-maj=44.5km s-min=10.7km az=67.0.
ISC II 05 10 39 38.1–.44 39.30N–.05 54.71E–.04 10 4.2b 263 2-95
IDC II 05 10 39 36.4–.70 39.19N 54.64E 0 4.0,3.9b ¶610197606
MOS II 05 10 39 37.4–1.2 39.40N 54.70E 12 4.5b,3.9b
TEH II 05 10 39 37.0 39.16N 54.75E 10 4.0L,3.9b
BJI II 05 10 39 37.0–.00 39.30N 54.80E 5 4.8b,4.3b
NEIC II 05 10 39 40.2–2.6 39.27N–.09 54.92E–.08 26–8 4.1b,4.3b
AZER II 05 10 39 43.1–.99 39.15N 54.30E 10 4.1b,4.3b
ISC Event type se.
IDC Error ellipse: s-maj=13.4km s-min=8.2km az=5.0.
MOS Error ellipse: s-maj=6.2km s-min=4.4km az=128.8.
TEH Error ellipse: s-maj=0.8km s-min=0.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=15.5km s-min=5.1km az=210.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AZER Error ellipse: s-maj=13.4km s-min=7.7km az=11.0.
ISC II 05 12 17 17.9–.48 39.27N–.05 54.78E–.04 10 4.0b,2.9s 207 2-98
IDC II 05 12 17 16.5–.86 39.08N 54.58E 0 3.8,3.8b ¶610243773
TEH II 05 12 17 16.8 39.23N 54.71E 10 3.7L,3.8b
MOS II 05 12 17 19.1–1.7 39.31N 54.78E 17 4.3b,3.8b
NEIC II 05 12 17 20.1–1.7 39.2N–.10 54.90E–.10 27–6 4.2b,3.8b
AZER II 05 12 17 24.2–.95 38.99N 54.21E 10 4.2b,3.8b
NNC II 05 12 17 25.3–3.1 39.71N 55.45E 0 3.8b,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=17.0km s-min=9.0km az=3.0.
TEH Error ellipse: s-maj=0.4km s-min=0.4km az=-1.0.
MOS Error ellipse: s-maj=8.0km s-min=7.7km az=114.7.
NEIC Event type se. Error ellipse: s-maj=15.2km s-min=11.2km az=177.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AZER Error ellipse: s-maj=9.7km s-min=6.8km az=7.0.
NNC Event type se. Error ellipse: s-maj=32.1km s-min=21.4km az=70.0.
ISC II 05 13 16 30.7–.56 39.30N–.05 54.81E–.04 10 3.9b 195 2-78
IDC II 05 13 16 30.0–.98 39.15N 54.49E 0 3.8,3.8b ¶610243774
MOS II 05 13 16 29.4–1.6 39.17N 54.92E 18 4.3b,3.8b
TEH II 05 13 16 30.7 39.18N 54.71E 10 4.0L,3.8b
NEIC II 05 13 16 30.4–2.0 39.1N–.20 54.8E–.10 18–7 4.3b,3.8b
AZER II 05 13 16 38.0–.94 39.05N 54.19E 10 4.3b,3.8b
NNC II 05 13 16 39.7–9.4 39.75N 55.47E 0 3.7b,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=19.5km s-min=10.1km az=8.0.
MOS Error ellipse: s-maj=8.8km s-min=6.4km az=36.3.
TEH Error ellipse: s-maj=0.8km s-min=0.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=24.4km s-min=11.7km az=184.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AZER Error ellipse: s-maj=10.1km s-min=6.9km az=13.0.
NNC Event type se. Error ellipse: s-maj=83.5km s-min=59.5km az=52.0.
ISC II 05 13 46 25.8–1.2 39.26N–.03 54.70E–.02 12–7 5.1b,4.2s 1390 2-154
IDC II 05 13 46 24.3–.38 39.21N 54.64E 0 4.8,4.8b ¶610197609
NEIC II 05 13 46 25.7–1.7 39.26N–.07 54.82E–.08 10–1 5.2b,4.8b
TEH II 05 13 46 25.0 39.19N 54.72E 10 5.1L,4.8b
BJI II 05 13 46 25.3–.00 39.30N 54.85E 12 5.1b,5.0b
GII II 05 13 46 25.8–.00 39.27N 54.81E 10 5.1b,5.0b
THR II 05 13 46 25.7–.67 39.22N 54.69E 15 4.8L,5.0b
GCMT II 05 13 46 26.7–.20 39.51N–.02 54.72E–.03 14–0 5.0W,5.0b
MOS II 05 13 46 26.9–1.4 39.26N 54.89E 23 5.3b,5.0b
AZER II 05 13 46 31.4–.99 39.13N 54.31E 10 5.3b,5.0b
NNC II 05 13 46 33.9–3.2 39.94N 55.53E 0 5.3b,5.0b
BGR II 05 13 46 38.2 39.86N 53.31E 33 5.0b,3.7s
ISC Event type ke.
IDC Error ellipse: s-maj=9.5km s-min=6.0km az=2.0.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=10.4km az=177.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TEH Error ellipse: s-maj=0.9km s-min=0.7km az=-1.0.
GII Event type ke.
THR Error ellipse: s-maj=8.3km s-min=2.1km az=-1.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s36,c42; s107,c155;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.65±.14 $M_{\theta\theta}$-2.23±.10; $M_{\phi\phi}$-0.41±.09; $M_{r\theta}$-1.68±.24; $M_{\theta\phi}$-1.51±.07; $M_{\phi r}$-0.20±.28; Best double couple: NP1:ϕ_s253.00000°,δ61.00000°,λ104.00000°. NP2:ϕ_s47.00000°,δ32.00000°,λ67.00000°. Principal axes: T 3.1920,Plg71.0000° ,Azm194.0000°; N 0.2990,Plg12.0000°,Azm66.0000°; P -3.4890,Plg15.0000°,Azm333.0000° $M_0$3.34100×10^{16}
MOS Error ellipse: s-maj=3.7km s-min=2.9km az=30.6.
AZER Error ellipse: s-maj=12.7km s-min=7.8km az=12.0.
NNC Event type se. Error ellipse: s-maj=33.9km s-min=21.1km az=76.0.
ISC Event type ke. Hypocentre not reviewed by the ISC.
ISC II 05 14 32 20.9–.91 39.31N–.08 54.75E–.05 10 33 3-21
IDC II 05 14 32 19.1–1.5 39.26N 54.55E 0 3.3,3.2b ¶610414886
AZER II 05 14 32 30.1–1.7 39.10N 54.05E 10 3.3,3.2b
ISC Event type ke.
IDC Error ellipse: s-maj=43.7km s-min=11.6km az=25.0.
AZER Error ellipse: s-maj=19.0km s-min=12.0km az=34.0.
ISC II 05 14 58 56.7–.71 39.42N–.06 54.77E–.03 10 3.9b 72 3-34
IDC II 05 14 58 53.4–1.2 38.97N 54.46E 0 3.7,3.6b ¶610243775
NNC II 05 14 59 05.6–5.2 39.99N 55.42E 0 4.0b,3.6b
AZER II 05 14 59 06.1–.99 39.15N 54.09E 10 4.0b,3.6b
ISC Event type se.
IDC Error ellipse: s-maj=23.5km s-min=10.5km az=15.0.
NNC Event type se. Error ellipse: s-maj=48.3km s-min=28.8km az=50.0.
AZER Error ellipse: s-maj=10.2km s-min=7.7km az=15.0.
ISC II 05 15 59 07.7–.93 39.27N–.04 54.72E–.03 6–5 4.9b,3.9s 1202 2-141
IDC II 05 15 59 06.4–.42 39.13N 54.61E 0 4.7,4.6b ¶610197615
BJI II 05 15 59 07.5–.00 39.36N 54.82E 8 4.9b,4.6b
TEH II 05 15 59 08.2 39.14N 54.75E 10–132 4.5L,4.6b
THR II 05 15 59 08.0–.58 39.22N 54.67E 15 4.7L,4.6b
MOS II 05 15 59 09.2–1.1 39.37N 54.73E 24 5.2b,4.6b
NEIC II 05 15 59 09.0–1.2 39.30N–.04 54.73E–.08 10–1 5.0b,4.6b
GCMT II 05 15 59 11.0–.40 39.51N–.03 54.51E–.05 15–1 4.8W,4.6b
AZER II 05 15 59 12.2–1.1 38.93N 54.36E 10 4.8W,4.6b
NNC II 05 15 59 15.8–2.3 39.76N 55.56E 0 4.8b,4.6b
BGR II 05 15 59 18.2 39.91N 53.20E 33 4.8b,3.4s
ISC Event type se.
IDC Error ellipse: s-maj=10.8km s-min=6.1km az=5.0.
TEH Error ellipse: s-maj=2.8km s-min=2.8km az=-1.0.
THR Error ellipse: s-maj=7.5km s-min=2.0km az=-1.0.
MOS Error ellipse: s-maj=4.1km s-min=2.8km az=36.2.
NEIC Event type se. Error ellipse: s-maj=11.0km s-min=6.8km az=245.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s8,c8; s76,c95;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.45±.18 $M_{\theta\theta}$-1.29±.11; $M_{\phi\phi}$-0.16±.09; $M_{r\theta}$-0.98±.22; $M_{\theta\phi}$-0.56±.05; $M_{\phi r}$-0.91±.24; Best double couple: NP1:ϕ_s234.00000°,δ66.00000°,λ79.00000°. NP2: ϕ_s81.00000°,δ26.00000°,λ114.00000°. Principal axes: T 2.0090,Plg67.0000°,Azm124.0000° ; N -0.0120,Plg10.0000°,Azm239.0000°; P -1.9970,Plg21.0000°,Azm333.0000° $M_0$2.00300×10^{16}
AZER Error ellipse: s-maj=15.0km s-min=8.8km az=16.0.
NNC Event type se. Error ellipse: s-maj=21.6km s-min=16.0km az=70.0.
ISC Event type ke. Hypocentre not reviewed by the ISC.
ISC II 05 16 17 37.6–.85 39.31N–.08 54.71E–.05 10 20 2-25
IDC II 05 16 17 35.2–1.5 39.12N 54.52E 0 3.3,3.3b ¶610414893
TEH II 05 16 17 37.0 39.17N 54.69E 10 3.0L,3.3b
ISC Event type ke.
IDC Error ellipse: s-maj=24.3km s-min=13.3km az=26.0.
TEH Error ellipse: s-maj=0.7km s-min=0.4km az=-1.0.
ISC II 05 16 19 08.6–.59 39.16N–.06 54.73E–.04 10 3.8b 141 2-60
IDC II 05 16 19 07.3–1.2 39.03N 54.48E 0 3.8s,3.7 ¶610243777
NEIC II 05 16 19 08.8–2.4 39.2N–.10 54.89E–.08 10–2 4.3b,3.7
MOS II 05 16 19 08.3–1.5 39.19N 54.85E 21 4.4b,3.7
TEH II 05 16 19 09.0 39.20N 54.75E 10 3.5L,3.7
AZER II 05 16 19 17.1–1.4 39.10N 54.14E 10 3.5L,3.7
ISC Event type se.
IDC Error ellipse: s-maj=25.1km s-min=9.7km az=10.0.
NEIC Event type se. Error ellipse: s-maj=19.8km s-min=10.1km az=167.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=10.3km s-min=7.5km az=15.2.
TEH Error ellipse: s-maj=0.8km s-min=0.8km az=-1.0.
AZER Error ellipse: s-maj=13.4km s-min=9.3km az=173.0.
ISC II 05 19 47 27.9–.41 39.34N–.04 54.80E–.03 10 4.2b,3.1s 373 2-75
MOS II 05 19 47 26.6–1.5 39.35N 54.76E 10 4.5b,3.1s ¶610197718
TEH II 05 19 47 26.9 39.26N 54.73E 10 4.0L,3.1s
IDC II 05 19 47 26.8–.71 39.18N 54.56E 0 4.0,3.9b
NEIC II 05 19 47 28.1–1.8 39.35N–.10 54.85E–.08 10–1 4.6b,3.9b
AZER II 05 19 47 33.3–1.1 39.06N 54.29E 10 4.6b,3.9b
NNC II 05 19 47 35.8–3.2 39.76N 55.55E 0 4.3b,3.9b
ISC Event type se.
MOS Error ellipse: s-maj=5.4km s-min=3.9km az=41.6.
TEH Error ellipse: s-maj=0.6km s-min=0.6km az=-1.0.
IDC Error ellipse: s-maj=13.7km s-min=6.7km az=180.0.
NEIC Event type se. Error ellipse: s-maj=16.8km s-min=10.4km az=171.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AZER Error ellipse: s-maj=15.5km s-min=7.8km az=22.0.
NNC Event type se. Error ellipse: s-maj=36.1km s-min=19.9km az=65.0.
ISC II 06 04 03 55.5–.61 39.34N–.05 54.71E–.04 10 3.5b 93 2-41
TEH II 06 04 03 53.7 39.29N 54.81E 10 3.4L ¶610414928
IDC II 06 04 03 53.5–1.2 39.05N 54.43E 0 3.5,3.3b
NNC II 06 04 03 53.6–9.3 39.54N 54.51E 0 3.9b,3.3b
AZER II 06 04 04 02.3–1.3 39.03N 54.17E 10 3.9b,3.3b
ISC Event type se.
TEH Error ellipse: s-maj=0.4km s-min=0.4km az=-1.0.
IDC Error ellipse: s-maj=25.2km s-min=8.6km az=13.0.
NNC Event type se. Error ellipse: s-maj=113.0km s-min=28.5km az=62.0.
AZER Error ellipse: s-maj=16.1km s-min=9.9km az=19.0.
ISC II 06 07 15 18.3–.50 39.34N–.05 54.70E–.04 10 4.0b 196 2-70
MOS II 06 07 15 15.7–1.7 39.25N 54.68E 10 4.2b ¶610197957
IDC II 06 07 15 15.6–1.0 39.03N 54.47E 0 3.9,3.8b
TEH II 06 07 15 16.9 39.20N 54.73E 10 3.7L,3.8b
NEIC II 06 07 15 19.1–2.8 39.65N–.10 54.84E–.10 10–2 4.2b,3.8b
AZER II 06 07 15 23.8–1.1 39.16N 54.25E 10 4.2b,3.8b
NNC II 06 07 15 23.4–6.9 39.65N 55.85E 0 4.3b,3.8b
ISC Event type se.
MOS Error ellipse: s-maj=7.6km s-min=5.8km az=43.6.
IDC Error ellipse: s-maj=20.0km s-min=8.6km az=13.0.
TEH Error ellipse: s-maj=0.8km s-min=0.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=16.7km s-min=12.4km az=196.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AZER Error ellipse: s-maj=11.4km s-min=7.5km az=4.0.
NNC Event type se. Error ellipse: s-maj=131.9km s-min=14.7km az=77.0.
ISC II 06 08 56 10.0–1.4 39.1N–.10 54.42E–.05 10 11 3-11
NNC II 06 08 56 34.1–26 39.54N 56.25E 23–239 3.0b ¶612084738
AZER II 06 08 56 35.2–3.4 39.23N 53.88E 10 3.0b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=208.7km s-min=55.2km az=73.0.
AZER Error ellipse: s-maj=35.9km s-min=26.3km az=153.0.
ISC II 06 12 11 46.1–.71 39.30N–.05 54.61E–.04 10 3.7b 122 2-44
IDC II 06 12 11 43.9–1.1 39.12N 54.38E 0 3.7,3.6b ¶610414969
TEH II 06 12 11 45.7 39.15N 54.61E 10 3.6L,3.6b
AZER II 06 12 11 50.7–1.1 38.86N 54.13E 10 3.6L,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=18.4km s-min=8.7km az=10.0.
TEH Error ellipse: s-maj=0.8km s-min=0.9km az=-1.0.
AZER Error ellipse: s-maj=11.0km s-min=8.7km az=55.0.
ISC II 06 12 54 33.3–.34 39.30N–.04 54.69E–.03 31 4.6b,3.3s 388 2-97
IDC II 06 12 54 28.6–.49 39.21N 54.54E 0 4.3,4.3b ¶611831740
MOS II 06 12 54 29.6–1.4 39.30N 54.70E 13 4.8b,4.3b
BJI II 06 12 54 37.0–.00 39.37N 54.84E 14 5.0b,4.6b
TEH II 06 12 54 30.8 39.27N 54.70E 20 4.5L,4.6b
NEIC II 06 12 54 31.6–2.1 39.3N–.10 54.84E–.09 9–3 4.6b,4.6b
NNC II 06 12 54 33.7–19 39.39N 55.18E 0 4.6b,4.6b
AZER II 06 12 54 38.9–1.9 38.98N 54.30E 60 4.6b,4.6b
ISC Event type se.
IDC Error ellipse: s-maj=10.2km s-min=6.7km az=8.0.
MOS Error ellipse: s-maj=6.1km s-min=4.2km az=133.3.
TEH Error ellipse: s-maj=2.9km s-min=2.1km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=16.2km s-min=10.0km az=188.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=252.2km s-min=76.1km az=65.0.
AZER Error ellipse: s-maj=20.1km s-min=13.3km az=15.0.
ISC II 07 00 52 54.8–.70 39.30N–.05 54.70E–.04 10 3.2b 92 2-25
NNC II 07 00 52 40.6–5.6 39.00N 53.30E 0 3.7b ¶610414998
IDC II 07 00 52 52.2–1.2 39.15N 54.69E 0 3.2,3.1b
TEH II 07 00 52 53.7 39.26N 54.77E 10 3.3L,3.1b
AZER II 07 00 53 00.1–2.4 39.01N 54.26E 10 3.3L,3.1b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=57.9km s-min=18.0km az=55.0.
IDC Error ellipse: s-maj=18.4km s-min=9.9km az=9.0.
TEH Error ellipse: s-maj=0.9km s-min=0.6km az=-1.0.
AZER Error ellipse: s-maj=19.2km s-min=15.0km az=28.0.
ISC II 07 07 33 28.7–1.8 39.9N–.10 53.72E–.06 35 18 3-6
TEH II 07 07 33 25.9 39.77N 53.80E 10 3.1L ¶612728038
AZER II 07 07 33 27.9–4.0 39.69N 53.54E 10 3.1L
ISC Event type ke.
TEH Error ellipse: s-maj=0.7km s-min=0.3km az=-1.0.
AZER Error ellipse: s-maj=100.4km s-min=32.7km az=173.0.
ISC II 12 04 48 48.6–.71 39.34N–.06 54.76E–.04 29 3.8b 97 2-25
IDC II 12 04 48 45.0–1.1 39.16N 54.53E 0 3.7,3.7b ¶610415355
TEH II 12 04 48 46.2 39.08N 54.73E 12–70 3.5L,3.7b
AZER II 12 04 48 50.0–.75 38.87N 54.24E 10 3.5L,3.7b
NNC II 12 04 48 59.4–4.7 40.01N 56.02E 0 3.8b,3.7b
ISC Event type se.
IDC Error ellipse: s-maj=18.2km s-min=9.2km az=3.0.
TEH Error ellipse: s-maj=4.2km s-min=2.4km az=-1.0.
AZER Error ellipse: s-maj=12.9km s-min=5.8km az=26.0.

NNC Event type se. Error ellipse: s-maj=61.1km s-min=19.2km az=70.0.
ISC II 15 22 38 39.8–.87 39.48N–.06 54.74E–.05 31 71 2-12
TEH II 15 22 38 37.3 39.48N 54.66E 10 3.4L ¶612085379
NNC II 15 22 38 39.4–2.6 39.73N 55.06E 0 3.8b
AZER II 15 22 38 48.0–.83 39.28N 53.95E 5 3.8b
ISC Event type se.
TEH Error ellipse: s-maj=0.8km s-min=0.6km az=-1.0.
NNC Event type se. Error ellipse: s-maj=31.9km s-min=10.9km az=71.0.
AZER Error ellipse: s-maj=9.9km s-min=5.2km az=35.0.
ISC II 22 10 54 07.1–.41 38.94N–.04 54.91E–.04 10 4.2b,3.7s 276 2-100
TEH II 22 10 54 05.9 39.02N 54.88E 9–67 4.1L,3.7s ¶610239568
IDC II 22 10 54 05.2–.80 39.10N 54.63E 0 3.9,3.7b
MOS II 22 10 54 05.9–2.1 38.98N 54.94E 10 4.3b,3.7b
AZER II 22 10 54 07.0–.60 38.23N 54.57E 2 4.3b,3.7b
NEIC II 22 10 54 07.1–2.4 38.9N–.10 55.05E–.01 10–2 4.3b,3.7b
NNC II 22 10 54 18.8–5.0 39.84N 55.76E 0 4.4b,3.7b
ISC Event type se.
TEH Error ellipse: s-maj=2.1km s-min=1.9km az=-1.0.
IDC Error ellipse: s-maj=19.9km s-min=8.9km az=11.0.
MOS Error ellipse: s-maj=5.8km s-min=5.0km az=122.5.
AZER Error ellipse: s-maj=7.5km s-min=4.6km az=22.0.
NEIC Event type se. Error ellipse: s-maj=17.5km s-min=3.0km az=178.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=53.7km s-min=33.9km az=68.0.
ISC III 10 19 08 12.8–.41 39.76N–.04 54.16E–.03 35 4.2b,2.9s 374 3-80
IDC III 10 19 08 07.8–.86 39.52N 54.03E 0 4.0,3.8b ¶610323129
MOS III 10 19 08 10.7–1.1 39.86N 54.21E 24 4.2b,3.8b
TEH III 10 19 08 12.3 39.68N 54.10E 30 4.0L,3.8b
NEIC III 10 19 08 12.5–1.7 39.7N–.10 54.15E–.10 28–6 4.4b,3.8b
NNC III 10 19 08 14.8–1.8 40.10N 54.93E 0 4.0b,3.8b
AZER III 10 19 08 16.3–.12 39.46N 53.42E 11–5 4.0b,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=17.4km s-min=8.1km az=2.0.
MOS Error ellipse: s-maj=6.0km s-min=4.5km az=41.2.
TEH Error ellipse: s-maj=2.8km s-min=2.3km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=15.1km s-min=10.8km az=176.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=20.4km s-min=8.4km az=78.0.
AZER Error ellipse: s-maj=9.3km s-min=1.0km az=275.0.
ISC III 19 07 00 00.5–1.2 39.79N–.07 54.56E–.07 35 20 2-11
TEH III 19 06 59 55.7 39.78N 54.52E 10 3.3L ¶612087538
NNC III 19 07 00 01.4–4.3 39.99N 55.32E 0 3.6b
ISC Event type se.
TEH Error ellipse: s-maj=0.6km s-min=0.2km az=-1.0.
NNC Event type se. Error ellipse: s-maj=66.7km s-min=15.3km az=72.0.
ISC IV 06 15 15 25.2–.75 39.79N–.06 53.42E–.04 10 3.4b 74 3-78
IDC IV 06 15 15 23.7–1.4 39.67N 53.29E 0 3.6,3.3b ¶610652084
TEH IV 06 15 15 25.3 39.63N 53.38E 10 3.7L,3.3b
AZER IV 06 15 15 33.0–.17 39.52N 53.00E 28–17 3.7L,3.3b
ISC Event type ke.
IDC Error ellipse: s-maj=20.3km s-min=10.3km az=13.0.
TEH Error ellipse: s-maj=0.4km s-min=0.2km az=-1.0.
AZER Error ellipse: s-maj=32.6km s-min=3.2km az=279.0.
ISC V 31 04 04 12.1–1.3 39.05N–.07 53.62E–.06 10 51 2-7
TEH V 31 04 04 10.1 39.14N 53.67E 10 3.3L ¶612724887
AZER V 31 04 04 19.3–1.3 39.00N 53.19E 20 3.3L
ISC Event type ke.
TEH Error ellipse: s-maj=0.7km s-min=0.4km az=-1.0.
AZER Error ellipse: s-maj=10.1km s-min=8.3km az=73.0.
ISC VI 05 17 26 06.6–1.5 39.65N–.10 53.39E–.07 10 41 3-7
TEH VI 05 17 26 03.1 39.84N 53.51E 10 3.4L ¶612724889
AZER VI 05 17 26 10.7–2.2 39.61N 53.07E 10 3.4L
ISC Event type ke.
TEH Error ellipse: s-maj=0.6km s-min=0.3km az=-1.0.
AZER Error ellipse: s-maj=15.7km s-min=10.6km az=68.0.
ISC VI 10 08 40 07.1–.67 39.94N–.05 53.94E–.04 32 3.4b 75 3-54
TEH VI 10 08 40 04.2 39.76N 53.87E 9 3.7L ¶610791585
NNC VI 10 08 40 06.8–4.8 40.04N 54.25E 0 3.8b
IDC VI 10 08 40 08.1–2.4 39.96N 53.98E 35–24 3.8,3.6L
AZER VI 10 08 40 14.7–1.3 39.72N 53.23E 10 3.8,3.6L
ISC Event type se.
TEH Error ellipse: s-maj=3.0km s-min=1.8km az=-1.0.
NNC Event type se. Error ellipse: s-maj=63.7km s-min=17.8km az=70.0.
IDC Error ellipse: s-maj=20.2km s-min=12.2km az=11.0.
AZER Error ellipse: s-maj=8.7km s-min=8.3km az=69.0.
ISC VI 14 03 13 59.8–1.1 40.06N–.07 52.91E–.05 49 43 3-11
TEH VI 14 03 13 54.5 40.15N 52.95E 10 3.4L ¶612724891
AZER VI 14 03 14 01.3–.74 40.12N 52.76E 50 3.4L
NNC VI 14 03 14 08.0–7.4 40.49N 55.39E 0 3.3b
ISC Event type se.
TEH Error ellipse: s-maj=0.6km s-min=0.3km az=-1.0.
AZER Error ellipse: s-maj=6.3km s-min=5.1km az=23.0.
NNC Event type se. Error ellipse: s-maj=115.3km s-min=17.8km az=74.0.
ISC VI 20 12 05 27.0–.42 40.31N–.04 52.12E–.03 10 4.0b 259 2-77
IDC VI 20 12 05 25.8–.87 40.18N 51.83E 0 4.0,3.8b ¶610686589
MOS VI 20 12 05 26.7–1.3 40.29N 52.04E 17 4.1b,3.8b
NEIC VI 20 12 05 27.8–1.7 40.25N–.08 52.00E–.09 10–1 4.3b,3.8b
AZER VI 20 12 05 31.4–.08 40.05N 51.99E 60 4.3b,3.8b
TEH VI 20 12 05 31.8 40.03N 52.03E 50 4.4L,3.8b
NNC VI 20 12 05 37.4–2.9 40.74N 52.84E 18–37 4.1b,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=16.6km s-min=8.3km az=174.0.
MOS Error ellipse: s-maj=6.0km s-min=5.3km az=108.6.
NEIC Event type se. Error ellipse: s-maj=13.5km s-min=10.9km az=342.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AZER Error ellipse: s-maj=1.4km s-min=1.1km az=328.0.
TEH Error ellipse: s-maj=3.4km s-min=2.7km az=-1.0.
NNC Event type se. Error ellipse: s-maj=41.9km s-min=6.7km az=75.0.

(341) Iran-Turkmenistan border region.

ISC I 23 23 47 23.7–.99 37.35N–.06 53.81E–.06 10 27 1-7
TEH I 23 23 47 24.3 37.33N 53.91E 10–45 2.5L ¶612728030
AZER I 23 23 47 28.2–1.2 37.39N 53.47E 10 2.5L
ISC Event type ke.
TEH Error ellipse: s-maj=2.7km s-min=3.7km az=-1.0.
AZER Error ellipse: s-maj=16.6km s-min=8.7km az=45.0.
ISC I 26 02 24 47.3–.58 38.52N–.04 57.16E–.04 10 65 1-24
IDC I 26 02 24 46.2–.86 38.18N 56.94E 0 3.9L,3.8 ¶610235358
TEH I 26 02 24 47.8 38.46N 57.09E 8–65 3.8L,3.8
NNC I 26 02 24 49.3–1.9 38.63N 57.57E 0 4.0b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=8.2km s-min=5.5km az=99.0.
TEH Error ellipse: s-maj=2.4km s-min=1.8km az=-1.0.
NNC Event type se. Error ellipse: s-maj=32.3km s-min=6.7km az=70.0.
ISC I 29 10 08 29.9–.78 38.43N–.05 57.24E–.05 10 16 1-20
IDC I 29 10 08 30.5–1.4 38.17N 56.96E 0 3.4,3.0b ¶610235636
TEH I 29 10 08 36.6 37.86N 57.15E 5–47 3.0L,3.0b
ISC Event type ke.
IDC Error ellipse: s-maj=10.0km s-min=7.6km az=94.0.
TEH Error ellipse: s-maj=12.2km s-min=2.7km az=-1.0.
ISC II 06 23 37 18.3–.77 38.27N–.04 55.91E–.05 10 82 1-12
TEH II 06 23 37 17.2 38.33N 55.97E 17–29 3.1L ¶612084768
NNC II 06 23 37 17.6–4.2 38.39N 55.91E 0 4.0b
AZER II 06 23 37 21.1–.75 37.96N 55.56E 10 4.0b
ISC Event type se.
TEH Error ellipse: s-maj=2.4km s-min=1.7km az=-1.0.
NNC Event type se. Error ellipse: s-maj=49.9km s-min=15.8km az=52.0.
AZER Error ellipse: s-maj=14.5km s-min=5.2km az=25.0.
ISC II 07 00 29 01.3–.00 38.31N–.05 55.91E–.05 10 77 1-12
NNC II 07 00 28 54.3–5.0 38.30N 55.56E 0 3.6b ¶612084782
TEH II 07 00 28 59.0 38.28N 55.96E 7–39 3.3L
AZER II 07 00 29 05.6–1.2 38.09N 55.50E 10 3.3L
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=54.8km s-min=18.8km az=42.0.
TEH Error ellipse: s-maj=2.1km s-min=1.9km az=-1.0.
AZER Error ellipse: s-maj=15.9km s-min=8.6km az=16.0.
ISC II 21 04 14 03.8–.91 37.27N–.05 53.57E–.04 10 44 1-7
TEH II 21 04 14 03.2 37.28N 53.56E 14–61 3.3L ¶612728052
AZER II 21 04 14 08.7–2.9 37.37N 53.30E 10 3.3L
ISC Event type ke.
TEH Error ellipse: s-maj=3.6km s-min=2.7km az=-1.0.
AZER Error ellipse: s-maj=33.8km s-min=22.8km az=28.0.
ISC III 02 11 35 51.3–1.1 37.64N–.05 53.38E–.05 10 37 1-7
TEH III 02 11 35 50.1 37.64N 53.39E 11–30 3.4L ¶612724860
AZER III 02 11 35 53.2–.89 37.62N 53.20E 8 3.4L
ISC Event type ke.
TEH Error ellipse: s-maj=2.3km s-min=1.7km az=-1.0.
AZER Error ellipse: s-maj=12.6km s-min=6.0km az=7.0.
ISC III 14 04 05 22.7–.42 38.41N–.04 55.54E–.03 10 4.1b 211 1-79
NNC III 14 04 05 20.9–10 38.71N 55.13E 0 4.3b ¶610546175
IDC III 14 04 05 21.5–.93 38.26N 55.37E 0 4.0L,3.9s
TEH III 14 04 05 22.3 38.35N 55.45E 17–27 4.1L,3.9s
NEIC III 14 04 05 27.2–2.0 38.5N–.10 55.58E–.09 31–7 4.4b,3.9s
AZER III 14 04 05 28.7–1.1 38.19N 55.00E 10 4.4b,3.9s
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=118.5km s-min=31.8km az=50.0.
IDC Error ellipse: s-maj=18.0km s-min=8.1km az=179.0.
TEH Error ellipse: s-maj=2.1km s-min=1.8km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=15.9km s-min=9.6km az=184.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AZER Error ellipse: s-maj=15.8km s-min=8.9km az=27.0.
ISC III 14 04 44 38.8–.60 38.35N–.05 55.48E–.04 10 3.7b 125 1-61
TEH III 14 04 44 37.7 38.32N 55.48E 11–35 4.0L ¶610546178
IDC III 14 04 44 37.8–1.2 38.43N 55.44E 0 3.9,3.6b
AZER III 14 04 44 44.3–.71 38.13N 55.00E 10 3.9,3.6b
ISC Event type ke.
TEH Error ellipse: s-maj=2.1km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=33.2km s-min=9.0km az=7.0.
AZER Error ellipse: s-maj=10.5km s-min=5.6km az=8.0.
ISC III 16 00 48 23.4–.75 37.67N–.05 55.75E–.03 10 62 0-13
TEH III 16 00 48 24.9 37.51N 55.83E 12–37 3.4L ¶612087315
NNC III 16 00 48 24.9–1.4 37.93N 55.78E 0 3.5b
AZER III 16 00 48 28.1–1.1 37.53N 55.49E 45–178 3.5b
ISC Event type se.
TEH Error ellipse: s-maj=1.9km s-min=1.2km az=-1.0.
NNC Event type se. Error ellipse: s-maj=15.1km s-min=6.4km az=37.0.
AZER Error ellipse: s-maj=342.4km s-min=13.3km az=293.0.
ISC III 16 00 53 56.2–.83 37.64N–.06 55.77E–.03 10 38 0-13
NNC III 16 00 53 55.6–1.7 37.80N 55.70E 0 3.3b ¶612087316
TEH III 16 00 53 56.8 37.46N 55.86E 8–19 3.0L
AZER III 16 00 54 04.2–3.1 37.31N 55.01E 8 3.0L
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=19.3km s-min=8.2km az=24.0.
TEH Error ellipse: s-maj=1.2km s-min=0.9km az=-1.0.
AZER Error ellipse: s-maj=182.0km s-min=21.6km az=15.0.
ISC III 19 14 55 31.2–.41 38.43N–.04 55.60E–.03 10 4.0b,3.6s 208 1-76
TEH III 19 14 55 29.1 38.35N 55.48E 6–60 4.4L,3.6s ¶610346062
IDC III 19 14 55 30.8–.84 38.37N 55.43E 0 3.9,3.9L
MOS III 19 14 55 32.9–1.9 38.49N 55.61E 33 4.2b,3.9L
NNC III 19 14 55 33.1–1.9 38.83N 55.81E 0 4.3b,3.9L
NEIC III 19 14 55 33.5–2.2 38.44N–.10 55.67E–.08 21–7 4.1b,3.9L
AZER III 19 14 55 33.1–.84 37.99N 54.94E 10–32 4.1b,3.9L
ISC Event type se.
TEH Error ellipse: s-maj=2.6km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=16.4km s-min=8.9km az=179.0.
MOS Error ellipse: s-maj=6.4km s-min=6.2km az=128.0.
NNC Event type se. Error ellipse: s-maj=19.8km s-min=7.9km az=68.0.
NEIC Event type se. Error ellipse: s-maj=14.1km s-min=8.8km az=189.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AZER Error ellipse: s-maj=101.6km s-min=5.3km az=291.0.
ISC III 19 17 37 01.3–.76 38.39N–.05 55.50E–.04 10 28 1-11
TEH III 19 17 37 01.1 38.31N 55.52E 6–81 3.0L ¶612087566
AZER III 19 17 37 24.8–.45 36.52N 52.36E 59 3.0L
ISC Event type ke.
TEH Error ellipse: s-maj=4.0km s-min=1.9km az=-1.0.
AZER Error ellipse: s-maj=22.3km s-min=7.9km az=231.0.
ISC III 22 07 18 31.3–.74 38.35N–.05 55.46E–.04 10 44 1-22
TEH III 22 07 18 29.3 38.37N 55.53E 7–113 3.6L ¶610543453
IDC III 22 07 18 29.7–1.9 38.17N 55.37E 0 3.3,3.3L
AZER III 22 07 18 38.7–3.1 38.23N 54.85E 10 3.3,3.3L
ISC Event type ke.
TEH Error ellipse: s-maj=4.0km s-min=2.2km az=-1.0.
IDC Error ellipse: s-maj=25.9km s-min=18.4km az=71.0.
AZER Error ellipse: s-maj=42.3km s-min=20.0km az=2.0.
ISC III 23 04 44 11.5–.81 38.41N–.05 55.45E–.05 10 58 1-12
NNC III 23 04 44 10.2–.90 38.56N 55.36E 0 3.7b ¶612087793
TEH III 23 04 44 11.2 38.43N 55.44E 17–33 3.3L
AZER III 23 04 44 15.4–3.1 38.05N 55.07E 10 3.3L
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=10.8km s-min=3.9km az=54.0.
TEH Error ellipse: s-maj=2.8km s-min=1.8km az=-1.0.
AZER Error ellipse: s-maj=19.9km s-min=11.6km az=102.0.
ISC IV 16 16 23 33.5–1.3 37.43N–.05 53.80E–.05 35 35 1-7
TEH IV 16 16 23 30.3 37.43N 53.76E 20–34 3.0L ¶612724875
AZER IV 16 16 23 36.5–.80 37.36N 53.50E 40 3.0L
ISC Event type ke.
TEH Error ellipse: s-maj=3.3km s-min=2.3km az=-1.0.
AZER Error ellipse: s-maj=10.9km s-min=6.0km az=44.0.
ISC IV 22 13 37 40.5–.65 37.38N–.04 54.42E–.04 10 3.6b,3.1s 125 1-80
IDC IV 22 13 37 38.8–1.7 37.21N 54.33E 0 3.7,3.6b ¶610653267
TEH IV 22 13 37 40.7 37.34N 54.44E 18–20 4.2L,3.6b
AZER IV 22 13 37 47.0–1.1 37.11N 53.99E 44 4.2L,3.6b
NNC IV 22 13 37 48.5–10 38.07N 54.84E 0 3.8b,3.6b
ISC Event type se.
IDC Error ellipse: s-maj=33.2km s-min=17.7km az=171.0.
TEH Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
AZER Error ellipse: s-maj=12.7km s-min=7.9km az=36.0.
NNC Event type se. Error ellipse: s-maj=106.3km s-min=45.4km az=45.0.
ISC V 13 18 01 02.0–.34 37.77N–.02 57.19E–.02 14–1 5.5s,5.5b 1551 1-153
BGR V 13 18 00 11.3 36.29N 64.74E 10 4.9b,5.5b ¶610638450
NEIC V 13 18 00 59.5–2.3 37.77N–.06 57.21E–.05 8–1 5.6,5.6
BJI V 13 18 00 59.6–.00 37.70N 57.30E 5 5.9s,5.6
TEH V 13 18 00 59.3 37.65N 57.22E 8–24 5.7L,5.6
DSN V 13 18 00 60.0–1.2 37.77N 57.21E 10 5.4b,5.6
NEIC V 13 18 01 00.9 37.78N 57.20E 12 5.4b,5.6
THR V 13 18 01 00.0–.81 37.74N 57.20E 18–8 5.5L,5.6
NEIC V 13 18 01 00.9 38.08N 57.32E 12 5.5L,5.6
NEIC V 13 18 01 00.7 37.66N 57.17E 1 5.5L,5.6
MOS V 13 18 01 00.6–2.0 37.79N 57.27E 23 5.6b,5.2s
GCMT V 13 18 01 01.5–.10 37.61N–.01 57.22E–.01 12 5.7W,5.2s
IDC V 13 18 01 02.1–1.1 37.81N 57.12E 10–6 5.3s,5.0
NNC V 13 18 01 04.9–3.1 38.17N 57.49E 0 5.8b,5.0
ISC Event type ke.
BGR Event type ke.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=6.4km az=168.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.34 $M_{\theta\theta}$0.35 $M_{\phi\phi}$-0.69 $M_{r\theta}$0.35 $M_{\theta\phi}$2.73

$M_{\phi r}$0.84 NP1:ϕ_s96.46000°,δ72.10000°,λ7.57000°. NP2:ϕ_s4.12000°,δ82.80000°,λ161.95000°. Principal axes: T 2.8693,Plg18.0000°,Azm319.0000°; N 0.1317,Plg71.0000°,Azm163.0000° ; P -3.0010,Plg7.0000°,Azm51.0000° $M_0$2.94000×10^{17}
TEH Error ellipse: s-maj=2.0km s-min=0.8km az=-1.0.
DSN Error ellipse: s-maj=18.4km s-min=9.8km az=51.0.
NEIC Event type se.
THR Error ellipse: s-maj=6.4km s-min=7.4km az=-1.0.
NEIC Event type se. Moment Tensor Solution.Duration: 3s9 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.69 $M_{\theta\theta}$0.30 $M_{\phi\phi}$0.38 $M_{r\theta}$0.25 $M_{\theta\phi}$2.73 $M_{\phi r}$-0.61 NP1:ϕ_s1.09000°,δ80.40000° ,λ-164.42000°. NP2:ϕ_s268.42000°,δ74.65000°,λ-9.96000°. Principal axes: T 3.0890,Plg4.0000°,Azm134.0000°; N -0.5123,Plg72.0000°,Azm32.0000° ; P -2.5768,Plg18.0000°,Azm225.0000° $M_0$2.83000×10^{17}
NEIC Event type se.
MOS Event type fe. Error ellipse: s-maj=3.7km s-min=2.7km az=33.0. Felt (IV) at Ashkhabad. Moment Tensor Solution.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s140,c252; s155,c331;Duration: 1s7 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.23±.03 $M_{\theta\theta}$0.32±.04; $M_{\phi\phi}$-0.09±.04; $M_{r\theta}$0.24±.10; $M_{\theta\phi}$3.94±.03; $M_{\phi r}$1.82±.09; Best double couple: NP1:ϕ_s2.00000°,δ90.00000°,λ155.00000°. NP2:ϕ_s92.00000°,δ65.00000°,λ0.00000°. Principal axes: T 4.5050,Plg17.0000° ,Azm314.0000°; N -0.3150,Plg65.0000°,Azm182.0000°; P -4.1900,Plg17.0000° ,Azm50.0000° $M_0$4.34800×10^{17}
IDC Error ellipse: s-maj=9.0km s-min=5.2km az=174.0.
NNC Event type se. Error ellipse: s-maj=37.2km s-min=21.7km az=52.0.
ISC V 14 02 59 44.9–.76 37.79N–.06 57.27E–.03 10 43 1-21
IDC V 14 02 59 43.3–2.0 37.60N 57.16E 0 3.4,3.2L **¶610690236**
TEH V 14 02 59 44.5 37.63N 57.27E 8–33 3.4L,3.2L
ISC Event type ke.
IDC Error ellipse: s-maj=15.3km s-min=11.3km az=24.0.
TEH Error ellipse: s-maj=2.7km s-min=1.1km az=-1.0.
ISC V 16 07 34 18.3–.70 37.30N–.05 54.29E–.03 10 3.2b 81 1-23
IDC V 16 07 34 11.8–3.4 36.73N 54.03E 0 3.6,3.4L **¶610690395**
TEH V 16 07 34 18.2 37.27N 54.34E 22–27 3.7L,3.4L
AZER V 16 07 34 24.5–1.4 37.25N 53.85E 20 3.7L,3.4L
ISC Event type ke.
IDC Error ellipse: s-maj=52.3km s-min=19.0km az=8.0.
TEH Error ellipse: s-maj=1.4km s-min=1.0km az=-1.0.
AZER Error ellipse: s-maj=21.1km s-min=9.8km az=51.0.
ISC V 19 11 27 27.9–.70 37.82N–.05 57.28E–.04 35 3.3b 80 1-80
NNC V 19 11 27 23.7–1.1 37.76N 59.12E 0 4.2b **¶610690668**
IDC V 19 11 27 24.6–1.9 37.77N 57.10E 0 3.8,3.8L
TEH V 19 11 27 24.5 37.62N 57.24E 8–25 4.1L,3.8L
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=12.9km s-min=4.7km az=174.0.
IDC Error ellipse: s-maj=30.6km s-min=8.3km az=0.0.
TEH Error ellipse: s-maj=2.1km s-min=1.0km az=-1.0.
ISC V 20 00 56 30.8–.95 37.64N–.08 57.33E–.04 14 34 1-21
TEH V 20 00 56 27.9 37.63N 57.29E 6–173 3.4L **¶610685000**
IDC V 20 00 56 28.6–2.1 37.53N 57.27E 0 3.5L,3.4
ISC Event type ke.
TEH Error ellipse: s-maj=2.9km s-min=1.6km az=-1.0.
IDC Error ellipse: s-maj=14.1km s-min=6.9km az=53.0.
ISC VI 21 10 05 40.0–.60 37.22N–.04 59.38E–.04 10 3.8b 53 0-93
IDC VI 21 10 05 38.7–1.3 37.16N 59.39E 0 3.9,3.8b **¶610789203**
TEH VI 21 10 05 41.1 37.14N 59.28E 14–22 3.8L,3.8b
ISC Event type ke.
IDC Error ellipse: s-maj=26.2km s-min=12.0km az=28.0.
TEH Error ellipse: s-maj=1.8km s-min=2.6km az=-1.0.
ISC VI 30 19 22 39.7–.53 37.32N–.05 54.47E–.03 30 3.7b 140 1-80
IDC VI 30 19 22 35.7–1.0 37.23N 54.27E 0 3.7,3.7b **¶610789807**
TEH VI 30 19 22 38.2 37.23N 54.45E 15–25 4.0L,3.7b
AZER VI 30 19 22 43.8–.24 37.41N 53.69E 18–44 4.0L,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=19.1km s-min=10.0km az=178.0.
TEH Error ellipse: s-maj=1.3km s-min=1.1km az=-1.0.
AZER Error ellipse: s-maj=84.2km s-min=5.7km az=300.0.

(343) Turkey-Iran border region.

ISC I 20 15 34 43.5–1.1 38.98N–.02 44.23E–.02 3–9 3.7b 123 0-51
NSSP I 20 15 34 41.5 38.98N 44.13E 10 3.4s **¶610234944**
AZER I 20 15 34 43.9–.04 39.05N 44.29E 5 3.4s
ISK I 20 15 34 43.3 39.00N 44.18E 5–0 3.3L
DDA I 20 15 34 43.4–.00 38.94N 44.13E 7–6 3.1L
IDC I 20 15 34 43.5–1.9 39.00N 44.27E 0 3.6b,3.4
TEH I 20 15 34 44.1 38.96N 44.23E 6–48 3.2L,3.4
ISC Event type ke.
AZER Error ellipse: s-maj=1.1km s-min=0.7km az=279.0.
ISK Event type ke.
IDC Error ellipse: s-maj=31.0km s-min=17.7km az=91.0.
TEH Error ellipse: s-maj=1.7km s-min=1.4km az=-1.0.
ISC I 22 13 23 06.4–1.2 38.46N–.03 44.46E–.03 2–11 36 0-3
DDA I 22 13 23 06.8–.00 38.53N 44.43E 8–1 2.7L **¶610913200**
TEH I 22 13 23 06.8 38.49N 44.48E 6–72 2.8L
ISK I 22 13 23 06.0 38.43N 44.39E 5–0 2.7L
ISC Event type ke.
TEH Error ellipse: s-maj=2.8km s-min=7.9km az=-1.0.
ISK Event type ke.
ISC I 25 04 23 42.2–1.3 37.01N–.04 44.15E–.03 5–12 33 0-4
TEH I 25 04 23 40.9 37.01N 44.16E 8 2.9L **¶610206078**
DDA I 25 04 23 41.8–.00 37.03N 44.12E 8–1 2.8L
ISK I 25 04 23 41.9 37.05N 44.05E 5–0 2.7L
ISN I 25 04 23 42.7–2.2 37.00N 44.14E 8 2.7L
ISC Event type ke.
TEH Error ellipse: s-maj=3.1km s-min=9.0km az=-1.0.
ISK Event type ke.
ISN Error ellipse: s-maj=28.0km s-min=3.8km az=-1.0.
ISC II 13 09 04 34.4–1.2 38.30N–.03 44.03E–.03 7–10 37 0-3
DDA II 13 09 04 34.6–.00 38.30N 43.99E 7–4 2.6L **¶610916295**
ISK II 13 09 04 34.7 38.30N 43.94E 5–0 2.8L
TEH II 13 09 04 35.0 38.34N 44.16E 10–312 2.5L
ISC Event type ke.
ISK Event type ke.
TEH Error ellipse: s-maj=6.7km s-min=22.0km az=-1.0.
ISC II 15 22 28 12.1–1.1 37.43N–.02 44.78E–.02 4–10 124 0-7
AZER II 15 22 28 08.2–.49 36.81N 44.48E 7 **¶610448669**
ISK II 15 22 28 09.4 37.09N 44.87E 5–0 3.9L
TEH II 15 22 28 11.9 37.47N 44.78E 6–51 3.6L
DDA II 15 22 28 11.4–.00 37.51N 44.79E 7–4 3.9W
ISN II 15 22 28 13.3–.78 37.47N 44.84E 18–7 3.7L
ISC Event type ke.
AZER Error ellipse: s-maj=6.0km s-min=4.2km az=146.0.
ISK Event type ke.
TEH Error ellipse: s-maj=2.0km s-min=1.9km az=-1.0.
ISN Error ellipse: s-maj=6.1km s-min=17.1km az=-1.0.
ISC II 19 15 20 22.3–1.3 38.48N–.03 44.32E–.05 10–11 23 0-2
DDA II 19 15 20 21.8–.00 38.56N 44.41E 7–2 2.6L **¶610917338**
ISK II 19 15 20 21.8 38.45N 44.30E 4–0 2.5L
ISC Event type ke.
ISK Event type ke.
ISC II 28 21 17 00.7–1.3 38.28N–.03 44.75E–.03 5–11 35 1-3
DDA II 28 21 16 57.7–.00 38.19N 44.84E 6–2 2.2L **¶610918469**
ISK II 28 21 17 00.2 38.24N 44.67E 5–0 2.5L
TEH II 28 21 17 01.3 38.33N 44.75E 6–63 2.5L
ISC Event type ke.
ISK Event type ke.
TEH Error ellipse: s-maj=2.9km s-min=6.0km az=-1.0.
ISC III 02 14 31 32.4–1.2 38.52N–.04 44.16E–.03 12–10 24 0-2
ISK III 02 14 31 30.6 38.51N 44.17E 5–0 2.6L **¶610919009**
DDA III 02 14 31 30.4–.00 38.42N 44.23E 7–2 2.4L
TEH III 02 14 31 33.8 38.53N 44.23E 10–170 2.7L
ISC Event type ke.
ISK Event type ke.
TEH Error ellipse: s-maj=4.8km s-min=16.1km az=-1.0.
ISC III 02 22 25 16.4–1.4 38.49N–.03 44.13E–.03 1–14 53 0-3
NSSP III 02 22 25 11.1 38.33N 44.23E 7 2.9s **¶610790868**
DDA III 02 22 25 14.8–.00 38.50N 44.15E 7–1 2.7L
TEH III 02 22 25 15.4 38.50N 44.12E 5 2.8L
ISK III 02 22 25 15.6 38.46N 44.16E 6–0 3.0L
ISC Event type ke.
TEH Error ellipse: s-maj=1.1km s-min=4.9km az=-1.0.
ISK Event type ke.
ISC III 13 18 44 58.9–1.2 38.56N–.03 44.24E–.02 4–12 32 0-2
ISK III 13 18 44 58.1 38.54N 44.22E 5–0 2.6L **¶610920176**
TEH III 13 18 44 59.6 38.59N 44.27E 6–105 2.5L
DDA III 13 18 44 59.1–.00 38.53N 44.17E 7–3 2.2L
ISC Event type ke.
ISK Event type ke.
TEH Error ellipse: s-maj=3.7km s-min=13.1km az=-1.0.
ISC III 14 09 33 08.9–1.1 38.89N–.03 44.88E–.03 9–10 28 0-3
ISK III 14 09 33 05.6 38.85N 45.00E 2–0 2.4L **¶610920217**
TEH III 14 09 33 07.7 38.88N 44.82E 8 2.6L
DDA III 14 09 33 11.9–.00 38.80N 44.64E 7–4 1.9L
ISC Event type ke.
ISK Event type ke.
TEH Error ellipse: s-maj=3.1km s-min=4.8km az=-1.0.
ISC III 24 22 58 38.1–1.3 38.41N–.03 44.16E–.05 9–10 23 0-2
ISK III 24 22 58 36.0 38.34N 44.18E 1–0 2.5L **¶610921005**
DDA III 24 22 58 38.6–.00 38.43N 44.11E 7–7 2.0L
ISC Event type ke.
ISK Event type ke.
ISC III 26 11 38 02.8–.53 38.44N–.02 44.45E–.02 10 3.7b,3.1s 153 0-78
TEH III 26 11 38 00.5 38.45N 44.47E 4–63 3.6L,3.1s **¶610435165**
AZER III 26 11 38 01.5–.15 38.50N 44.63E 5 3.6L,3.1s
ISN III 26 11 38 01.4–1.3 38.59N 44.28E 14 3.3L,3.1s
DDA III 26 11 38 02.0–.00 38.43N 44.31E 7–2 3.7W,3.1s
ISK III 26 11 38 02.0 38.51N 44.33E 5–0 3.6L,3.1s
NSSP III 26 11 38 03.0 38.47N 44.37E 10 3.6s,3.1s
IDC III 26 11 38 04.4–1.4 38.68N 44.71E 0 3.8b,3.7
ISC Event type ke.
TEH Error ellipse: s-maj=1.3km s-min=1.3km az=-1.0.
AZER Error ellipse: s-maj=2.2km s-min=1.7km az=245.0.
ISN Error ellipse: s-maj=13.0km s-min=25.3km az=-1.0.
ISK Event type ke.
IDC Error ellipse: s-maj=24.1km s-min=15.6km az=1.0.
ISC IV 09 20 19 39.7–1.6 37.41N–.07 44.7E–.10 10 9 1-2
ISN IV 09 20 19 39.1–1.4 37.42N 44.57E 10 2.5L **¶610671232**
TEH IV 09 20 19 40.1 37.41N 44.77E 10–158 2.7L
ISC Event type ke.
ISN Error ellipse: s-maj=17.6km s-min=2.0km az=-1.0.
TEH Error ellipse: s-maj=7.5km s-min=12.5km az=-1.0.
ISC IV 09 22 04 08.1–1.3 37.42N–.04 44.77E–.03 4–12 24 0-3
ISN IV 09 22 03 58.1–.30 37.33N 44.64E 3 2.7L **¶610671233**
DDA IV 09 22 04 07.9–.00 37.59N 44.79E 7–3 2.5L
TEH IV 09 22 04 07.0 37.51N 44.63E 6–131 2.8L
ISK IV 09 22 04 08.3 37.32N 44.76E 3–0 2.6L
ISC Event type ke.
ISN Error ellipse: s-maj=3.0km s-min=0.5km az=-1.0.
TEH Error ellipse: s-maj=4.0km s-min=6.1km az=-1.0.
ISK Event type ke.
ISC V 23 22 26 22.0–1.1 38.48N–.03 44.31E–.03 9–10 32 0-2
TEH V 23 22 26 21.6 38.49N 44.31E 10–271 2.6L **¶611508154**
ISK V 23 22 26 21.7 38.49N 44.27E 2–0 2.5L
DDA V 23 22 26 22.0–.00 38.51N 44.38E 6–6 2.3L
ISC Event type ke.
TEH Error ellipse: s-maj=5.6km s-min=4.4km az=-1.0.
ISK Event type ke.
ISC VI 05 15 25 37.3–1.3 38.43N–.05 44.87E–.04 10–12 18 1-2
TEH VI 05 15 25 35.9 38.39N 44.78E 10 2.5L **¶611509073**
DDA VI 05 15 25 37.4–.00 38.42N 44.82E 7–4 1.9L
ISK VI 05 15 25 38.8 38.49N 44.74E 5–0 2.3L
ISC Event type ke.
ISK Event type ke.
ISC VI 07 01 38 23.6–1.3 38.83N–.03 44.77E–.03 4–12 26 1-3
ISK VI 07 01 38 23.4 38.87N 44.74E 5–0 2.5L **¶611509125**
TEH VI 07 01 38 23.6 38.84N 44.73E 4–163 2.7L
ISC Event type ke.
ISK Event type ke.
TEH Error ellipse: s-maj=3.1km s-min=7.3km az=-1.0.
ISC VI 17 17 36 02.3–1.0 38.56N–.03 44.18E–.03 14–7 28 0-2
TEH VI 17 17 36 00.3 38.50N 44.14E 10–990 2.5L **¶611510065**
DDA VI 17 17 36 01.7–.00 38.57N 44.25E 8–3 2.0L
ISK VI 17 17 36 02.5 38.62N 44.10E 5–0 2.5L
ISC Event type ke.
ISK Event type ke.

(344) Iran-Armenia-Azerbaijan border region.

ISC I 02 19 45 42.2–1.0 38.64N–.04 45.73E–.04 14–9 25 0-3
ISK I 02 19 45 40.4 38.66N 45.89E 5–0 2.6L **¶610912375**
TEH I 02 19 45 42.6 38.63N 45.65E 10–34 2.9L
DDA I 02 19 45 53.3–.00 38.57N 42.73E 7–2 1.7L
ISC Event type ke.
ISK Event type ke.
TEH Error ellipse: s-maj=1.9km s-min=2.7km az=-1.0.
ISC I 09 23 11 32.8–1.1 38.50N–.02 45.47E–.02 6–10 104 0-5
DDA I 09 23 11 29.9–.00 38.46N 45.61E 8–5 2.5L **¶610792421**
NSSP I 09 23 11 30.6 38.47N 45.55E 8 3.9s
TEH I 09 23 11 31.7 38.40N 45.34E 7–86 3.3L
AZER I 09 23 11 32.3–.14 38.54N 45.46E 2 3.3L
ISC Event type ke.
TEH Error ellipse: s-maj=2.1km s-min=3.6km az=-1.0.
AZER Error ellipse: s-maj=2.5km s-min=0.7km az=247.0.
ISC I 10 11 11 10.3–1.2 39.65N–.03 44.08E–.04 20–5 32 0-3
DDA I 10 11 11 08.9–.00 39.61N 44.13E 7–3 2.2L **¶610912662**
ISK I 10 11 11 09.4 39.69N 44.00E 23–0 2.7L
ISC Event type ke.
ISK Event type ke.
ISC I 12 07 33 07.2–1.2 39.66N–.03 44.19E–.03 3–10 39 0-3
ISK I 12 07 33 06.9 39.76N 44.20E 5–0 2.6L **¶610912718**
DDA I 12 07 33 07.3–.00 39.78N 44.23E 7–4 2.4L
TEH I 12 07 33 08.2 39.45N 44.11E 5 2.6L
ISC Event type ke.
ISK Event type ke.
ISC I 21 13 35 41.4–1.0 38.53N–.03 46.77E–.03 12–11 29 0-3
TEH I 21 13 35 40.7 38.54N 46.76E 13–16 3.3L **¶610792422**
NSSP I 21 13 35 44.4 38.62N 46.78E 13 3.1s
ISC Event type ke.
TEH Error ellipse: s-maj=1.2km s-min=0.9km az=-1.0.
ISC I 26 01 49 43.6–1.3 39.9N–.20 48.93E–.08 10 6 3-26
IDC I 26 01 49 43.6–1.5 40.24N 49.05E 0 3.5b,3.3 **¶610235357**
ISC Event type ke.
IDC Error ellipse: s-maj=27.9km s-min=14.0km az=5.0.
ISC II 05 20 28 08.8–.99 39.12N–.02 47.52E–.02 11–9 137 0-11
AZER II 05 20 28 06.0–.03 39.08N 47.49E 17–0 **¶610792425**
TEH II 05 20 28 08.1 39.11N 47.51E 16–22 3.5L
NSSP II 05 20 28 08.6 39.10N 47.38E 10 3.6s
ISC Event type ke.
AZER Error ellipse: s-maj=0.6km s-min=0.4km az=226.0.
TEH Error ellipse: s-maj=1.1km s-min=1.4km az=-1.0.
ISC II 07 14 51 15.2–.97 39.09N–.02 48.58E–.03 29–9 143 0-11
TEH II 07 14 51 12.3 39.05N 48.71E 20 3.9L **¶612728039**
AZER II 07 14 51 13.9–.02 39.08N 48.55E 28–0 3.9L
ISC Event type ke.

TEH Error ellipse: s-maj=1.9km s-min=2.7km az=-1.0.
AZER Error ellipse: s-maj=0.7km s-min=0.5km az=266.0.
ISC II 24 18 24 54.3–1.0 38.90N–.04 48.60E–.07 30 26 1-9
TEH II 24 18 24 51.9 38.90N 48.85E 12–45 3.1L **¶611083599**
DRS II 24 18 25 12.0–.00 39.18N 47.47E 26 3.1L
ISC Event type se.
TEH Error ellipse: s-maj=3.6km s-min=2.3km az=-1.0.
DRS Event type se.
ISC II 28 06 17 23.9–.00 39.21N–.02 46.49E–.01 8–7 3.7b 263 0-42
DDA II 28 06 17 17.0–.00 39.32N 47.41E 4–5 3.9W **¶610241799**
IDC II 28 06 17 22.4–1.4 39.14N 46.49E 0 3.7s,3.7
TEH II 28 06 17 23.7 39.14N 46.46E 8–19 3.7L,3.7
AZER II 28 06 17 23.3–.03 39.12N 46.37E 10–0 3.7L,3.7
NSSP II 28 06 17 23.3 39.25N 46.43E 9 3.9s,3.7
NEIC II 28 06 17 23.6–.86 39.24N–.09 46.50E–.08 10–2 3.6b,3.7
MOS II 28 06 17 24.1–2.0 38.93N 46.63E 27 4.0b,3.7
NNC II 28 06 17 31.8–3.7 39.76N 47.05E 0 3.8b,3.7
ISC Event type se.
IDC Error ellipse: s-maj=19.9km s-min=9.9km az=9.0.
TEH Error ellipse: s-maj=0.9km s-min=1.1km az=-1.0.
AZER Error ellipse: s-maj=0.9km s-min=0.5km az=342.0.
NEIC Event type se. Error ellipse: s-maj=15.9km s-min=9.4km az=207.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=7.8km s-min=3.7km az=108.0.
NNC Event type se. Error ellipse: s-maj=63.1km s-min=29.4km az=106.0.
ISC II 28 06 28 15.0–1.0 39.15N–.02 46.45E–.01 7–9 141 0-6
NSSP II 28 06 28 14.3 39.23N 46.43E 8 3.4s **¶610790866**
TEH II 28 06 28 14.9 39.13N 46.47E 9–19 3.8L
AZER II 28 06 28 14.1–.08 39.11N 46.35E 11–1 3.8L
ISC Event type ke.
TEH Error ellipse: s-maj=0.9km s-min=1.1km az=-1.0.
AZER Error ellipse: s-maj=2.2km s-min=1.0km az=322.0.
ISC IV 04 23 16 07.5–.66 38.82N–.02 48.61E–.02 33–1 4.3b 380 0-78
MOS IV 04 23 16 06.1–1.2 38.72N 48.71E 39 4.5b **¶610483620**
AZER IV 04 23 16 06.9–.03 38.86N 48.54E 21–0 4.5b
NEIC IV 04 23 16 07.8–2.8 38.81N–.06 48.84E–.08 40–8 4.2b
TEH IV 04 23 16 07.6 38.87N 48.55E 24–20 4.4L
IDC IV 04 23 16 11.3–2.5 38.62N 48.48E 77–22 4.1,3.8b
NNC IV 04 23 16 12.8–1.7 39.39N 49.53E 0 4.2b,3.8b
ISC Event type se.
MOS Error ellipse: s-maj=5.7km s-min=3.5km az=124.0.
AZER Error ellipse: s-maj=0.6km s-min=0.4km az=41.0.
NEIC Event type se. Error ellipse: s-maj=11.0km s-min=6.4km az=224.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TEH Error ellipse: s-maj=1.2km s-min=2.0km az=-1.0.
IDC Error ellipse: s-maj=21.6km s-min=11.5km az=178.0.
NNC Event type se. Error ellipse: s-maj=22.5km s-min=13.2km az=50.0.
ISC IV 18 21 27 54.7–.91 39.53N–.02 48.52E–.03 45–8 3.2b 137 0-26
IDC IV 18 21 27 49.2–1.5 39.77N 48.64E 0 3.4,3.4b **¶610609320**
MOS IV 18 21 27 51.5–.91 39.56N 48.72E 17 4.0b,3.4b
TEH IV 18 21 27 52.5 39.53N 48.50E 25–41 3.6L,3.4b
AZER IV 18 21 27 53.0–.00 39.56N 48.51E 40–0 3.6L,3.4b
DRS IV 18 21 27 53.9–.00 39.18N 48.58E 26 3.6L,3.4b
TIF IV 18 21 27 54.3 39.52N 48.42E 51–5 3.6L,3.4b
ISC Event type se.
IDC Error ellipse: s-maj=26.0km s-min=11.2km az=168.0.
MOS Error ellipse: s-maj=13.6km s-min=6.1km az=119.0.
TEH Error ellipse: s-maj=2.2km s-min=4.4km az=-1.0.
AZER Error ellipse: s-maj=0.1km s-min=0.1km az=255.0.
DRS Event type se.
ISC IV 20 05 14 45.7–1.6 38.38N–.05 45.21E–.07 9–14 17 0-2
NSSP IV 20 05 14 43.5 38.47N 45.18E 10 3.1s **¶610791001**
TEH IV 20 05 14 47.4 38.38N 45.32E 9–35 2.9L
ISC Event type ke.
TEH Error ellipse: s-maj=2.3km s-min=9.5km az=-1.0.
ISC IV 28 06 46 37.7–1.1 38.90N–.02 45.21E–.01 8–10 129 0-4
AZER IV 28 06 46 35.8–.06 38.87N 45.12E 10–0 **¶610575532**
NSSP IV 28 06 46 36.4 38.92N 45.23E 10 3.8s
TEH IV 28 06 46 37.8 38.85N 45.19E 5–37 3.4L
DDA IV 28 06 46 37.4–.00 38.91N 45.20E 6–4 3.6W
ISK IV 28 06 46 38.1 38.99N 45.16E 5–0 3.4L
ISC Event type ke.
AZER Error ellipse: s-maj=1.0km s-min=0.5km az=44.0.
TEH Error ellipse: s-maj=1.3km s-min=1.7km az=-1.0.
ISK Event type ke.
ISC IV 29 10 14 24.4–.89 38.39N–.03 46.91E–.02 11–7 52 0-3
AZER IV 29 10 14 21.5–.07 38.40N 46.93E 10–0 **¶612724879**
TEH IV 29 10 14 24.5 38.39N 46.91E 9 3.1L
ISC Event type ke.
AZER Error ellipse: s-maj=0.7km s-min=0.3km az=41.0.
TEH Error ellipse: s-maj=2.2km s-min=1.6km az=-1.0.
ISC V 11 03 24 20.1–.26 39.78N–.02 48.46E–.02 58–2 5.0b,4.2s 1476 0-158
IDC V 11 03 24 12.7–.45 39.67N 48.51E 0 5.0,5.0b **¶610623485**
ISN V 11 03 24 16.2–.87 39.89N 48.45E 10–219 5.0L,5.0b
DSN V 11 03 24 17.8–.54 39.54N 48.50E 18 4.9b,5.0b
THR V 11 03 24 18.3–.73 39.78N 48.59E 26–10 5.0L,5.0b
BJI V 11 03 24 18.0–.00 39.70N 48.40E 48 5.3b,5.1b
MOS V 11 03 24 19.8–1.1 39.72N 48.52E 68 5.2b,5.1b
AZER V 11 03 24 19.4–.03 39.72N 48.42E 48–0 5.2b,5.1b
PDG V 11 03 24 20.5 39.70N 48.43E 48 5.1b,5.1b
GII V 11 03 24 20.5–.00 39.87N 48.60E 63 5.1b,5.1b
DRS V 11 03 24 20.8–.00 39.56N 48.72E 26 5.1b,5.1b
TEH V 11 03 24 20.3 39.75N 48.37E 50 5.0L,5.1b
NEIC V 11 03 24 21.4–1.8 39.82N–.07 48.57E–.08 63–5 5.1b,5.1b
GCMT V 11 03 24 24.4–.30 39.91N–.02 48.45E–.02 31–2 5.2W,5.1b
NNC V 11 03 24 29.5–3.6 40.40N 49.64E 41–28 5.1b,5.1b
BGR V 11 03 24 40.5 39.96N 44.78E 33 4.8b,3.7s
ISC Event type ke.
IDC Error ellipse: s-maj=10.9km s-min=6.4km az=3.0.
ISN Error ellipse: s-maj=186.1km s-min=116.4km az=-1.0.
DSN Error ellipse: s-maj=12.0km s-min=5.5km az=44.0.
THR Error ellipse: s-maj=12.1km s-min=13.7km az=-1.0.
MOS Error ellipse: s-maj=4.5km s-min=2.9km az=130.9.
AZER Error ellipse: s-maj=0.7km s-min=0.5km az=264.0.
PDG Event type ke.
GII Event type ke.
DRS Event type se.
TEH Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=8.9km az=190.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s24,c26; s109,c167;Duration: 1s0
Moment tensor: Scale 10^{16}Nm; M_{rr}-0.59±.41 $M_{\theta\theta}$3.98±.30; $M_{\phi\phi}$-3.39±.25; $M_{r\theta}$-1.37±.33; $M_{\theta\phi}$2.82±.16; $M_{\phi r}$7.22±.64; Best double couple: NP1:ϕ_s192.00000°,δ89.00000°,λ-122.00000°. NP2:ϕ_s101.00000°,δ32.00000°,λ-2.00000°. Principal axes: T 5.8110,Plg36.0000° ,Azm310.0000°; N 4.2000,Plg32.0000°,Azm193.0000°; P -10.0090,Plg38.0000° ,Azm74.0000° $M_0$7.91000×10^{16}
NNC Event type se. Error ellipse: s-maj=25.9km s-min=12.2km az=95.0.
BGR Event type ke.
ISC V 27 01 22 03.9–1.1 38.46N–.02 46.92E–.02 3–10 119 0-10
AZER V 27 01 22 01.4–.59 38.41N 46.97E 3 **¶610791012**
NSSP V 27 01 22 03.4 38.48N 46.92E 7 3.5s
TEH V 27 01 22 03.9 38.41N 46.94E 7–21 3.5L
DDA V 27 01 22 04.3–.00 38.64N 46.86E 5–3 3.0L
ISC Event type ke.
AZER Error ellipse: s-maj=7.6km s-min=5.1km az=2.0.
TEH Error ellipse: s-maj=1.9km s-min=1.3km az=-1.0.
ISC VI 23 19 35 32.1–1.0 38.79N–.02 48.68E–.02 13–9 101 0-8
TEH VI 23 19 35 31.3 38.80N 48.74E 28–19 3.5L **¶612724895**
AZER VI 23 19 35 31.2–.03 38.79N 48.62E 18–0 3.5L
ISC Event type ke.
TEH Error ellipse: s-maj=1.8km s-min=1.8km az=-1.0.
AZER Error ellipse: s-maj=0.8km s-min=0.5km az=14.0.

(345) Northwestern Iran.

ISC V 29 03 00 13.3–.93 37.75N–.02 47.51E–.03 9–7 3.4b 115 0-47
IDC V 29 03 00 10.2–1.5 37.61N 47.60E 0 3.4,3.4b **¶610670092**
TEH V 29 03 00 12.6 37.72N 47.49E 7–15 4.0L,3.4b
ISN V 29 03 00 12.5–.53 37.84N 47.59E 20–8 3.5L,3.4b
AZER V 29 03 00 13.5–1.7 37.39N 47.67E 36 3.5L,3.4b
ISC Event type ke.
IDC Error ellipse: s-maj=23.5km s-min=13.3km az=15.0.
TEH Error ellipse: s-maj=0.9km s-min=1.0km az=-1.0.
ISN Error ellipse: s-maj=10.7km s-min=11.6km az=-1.0.
AZER Error ellipse: s-maj=13.2km s-min=8.0km az=171.0.
ISC VI 11 08 07 12.8–1.1 37.91N–.02 48.44E–.03 6–9 3.5b 118 1-33
TEH VI 11 08 07 12.9 37.82N 48.41E 7–22 3.7L **¶610791644**
AZER VI 11 08 07 13.3–.62 37.96N 48.41E 2–2 3.7L
IDC VI 11 08 07 16.3–2.1 37.99N 48.84E 0 3.9,3.8b
ISC Event type ke.
TEH Error ellipse: s-maj=0.9km s-min=1.1km az=-1.0.
AZER Error ellipse: s-maj=5.4km s-min=3.2km az=320.0.
IDC Error ellipse: s-maj=31.1km s-min=12.4km az=6.0.
ISC VI 26 23 59 28.2–.43 37.59N–.02 48.64E–.02 10 4.0b,3.0s 209 0-77
IDC VI 26 23 59 27.1–1.1 37.59N 48.66E 0 3.9,3.9b **¶610695196**
TEH VI 26 23 59 27.5 37.58N 48.58E 5 4.1L,3.9b
AZER VI 26 23 59 28.4–.27 37.75N 48.60E 5–1 4.1L,3.9b
NEIC VI 26 23 59 29.4–2.1 37.51N–.03 48.75E–.09 10–2 4.1b,3.9b
NNC VI 26 23 59 37.3–3.2 38.32N 49.44E 0 4.3b,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=19.7km s-min=10.1km az=8.0.
TEH Error ellipse: s-maj=0.9km s-min=1.0km az=-1.0.
AZER Error ellipse: s-maj=5.0km s-min=3.3km az=313.0.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=4.9km az=95.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=41.9km s-min=24.7km az=39.0.

(346) Iran-Iraq border region.

ISC I 03 23 29 56.6–1.1 33.53N–.04 45.91E–.04 8–11 16 0-2
TEH I 03 23 29 56.7 33.52N 45.89E 10–143 2.6L **¶610206156**
ISN I 03 23 29 56.7–.67 33.50N 45.89E 13–3 2.7L
ISC Event type ke.
TEH Error ellipse: s-maj=5.8km s-min=11.9km az=-1.0.
ISN Error ellipse: s-maj=2.5km s-min=3.7km az=-1.0.
ISC I 05 23 03 58.6–.92 32.69N–.04 47.61E–.03 10 39 0-5
ISN I 05 23 03 56.7–1.6 32.75N 47.48E 10–10 2.7L **¶610206157**
TEH I 05 23 03 57.3 32.70N 47.63E 8–35 3.0L
ISC Event type ke.
ISN Error ellipse: s-maj=3.2km s-min=13.5km az=-1.0.
TEH Error ellipse: s-maj=1.1km s-min=2.0km az=-1.0.
ISC I 06 02 07 37.4–1.7 32.50N–.09 47.77E–.08 15 14 0-3
TEH I 06 02 07 38.9 32.65N 47.66E 10–37 2.7L **¶610206158**
ISN I 06 02 07 38.3–.87 32.71N 47.46E 10–6 2.4L
ISC Event type ke.
TEH Error ellipse: s-maj=2.6km s-min=2.7km az=-1.0.
ISN Error ellipse: s-maj=2.0km s-min=7.2km az=-1.0.
ISC I 09 13 29 35.3–1.2 32.64N–.05 47.46E–.04 16–11 12 0-2
ISN I 09 13 29 33.4–1.2 32.63N 47.27E 10–999 2.5L **¶610206068**
TEH I 09 13 29 35.2 32.65N 47.48E 10–61 2.7L
ISC Event type ke.
ISN Error ellipse: s-maj=3.8km s-min=10.2km az=-1.0.
TEH Error ellipse: s-maj=2.6km s-min=2.8km az=-1.0.
ISC I 10 02 28 03.4–1.0 33.45N–.03 46.51E–.03 13–10 45 0-7
ISN I 10 02 28 02.8–.97 33.43N 46.54E 12–4 2.9L **¶610206069**
TEH I 10 02 28 03.4 33.47N 46.52E 21–28 3.0L
ISC Event type ke.
ISN Error ellipse: s-maj=6.2km s-min=7.2km az=-1.0.
TEH Error ellipse: s-maj=1.2km s-min=1.4km az=-1.0.
ISC I 13 22 56 08.5–.92 32.69N–.05 47.58E–.03 10 20 0-3
TEH I 13 22 56 08.3 32.73N 47.60E 8–49 2.6L **¶610206070**
ISN I 13 22 56 09.9–1.9 32.74N 47.55E 8–16 2.5L
ISC Event type ke.
TEH Error ellipse: s-maj=1.4km s-min=2.2km az=-1.0.
ISN Error ellipse: s-maj=5.5km s-min=22.8km az=-1.0.
ISC I 13 23 00 04.2–.85 32.66N–.03 47.54E–.03 24–6 4.2b 230 0-133
IDC I 13 23 00 01.0–.95 32.70N 47.50E 0 4.0,4.0b **¶610087845**
MOS I 13 23 00 01.6–1.1 32.63N 47.47E 21 4.3b,4.0b
NEIC I 13 23 00 03.2–1.3 32.71N–.09 47.50E–.09 10–2 4.1b,4.0b
TEH I 13 23 00 03.0 32.75N 47.62E 8–40 3.9L,4.0b
ISN I 13 23 00 03.1–1.3 32.67N 47.63E 16–7 3.8L,4.0b
OMAN I 13 23 00 15.1–.08 31.67N 47.49E 35 4.5b,2.6s
ISC Event type se.
IDC Error ellipse: s-maj=20.5km s-min=12.1km az=173.0.
MOS Error ellipse: s-maj=8.5km s-min=5.2km az=89.3.
NEIC Event type se. Error ellipse: s-maj=15.5km s-min=12.2km az=210.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TEH Error ellipse: s-maj=0.9km s-min=1.9km az=-1.0.
ISN Error ellipse: s-maj=5.5km s-min=10.3km az=-1.0.
OMAN Error ellipse: s-maj=1.7km s-min=1.5km az=259.0.
ISC I 14 02 52 16.1–1.1 32.75N–.05 47.57E–.04 10 12 0-3
TEH I 14 02 52 15.6 32.73N 47.60E 6–58 2.6L **¶610206071**
ISN I 14 02 52 16.9–2.0 32.72N 47.61E 6 2.3L
ISC Event type ke.
TEH Error ellipse: s-maj=2.0km s-min=1.9km az=-1.0.
ISN Error ellipse: s-maj=7.0km s-min=29.0km az=-1.0.
ISC I 16 03 45 38.0–1.5 36.01N–.05 45.73E–.07 10 12 1-3
ISN I 16 03 45 33.9–.30 36.01N 45.65E 7 2.4L **¶610206072**
TEH I 16 03 45 34.9 36.01N 45.82E 7–59 2.6L
ISC Event type ke.
ISN Error ellipse: s-maj=1.4km s-min=3.2km az=-1.0.
TEH Error ellipse: s-maj=1.4km s-min=6.1km az=-1.0.
TEH I 22 04 41 01.5 33.98N 46.26E 12–643 2.5L
ISN I 22 04 41 01.3–1.0 33.99N 46.32E 12 2.4L **¶610206076**
TEH Error ellipse: s-maj=2.8km s-min=4.9km az=-1.0.
ISN Error ellipse: s-maj=12.3km s-min=5.4km az=-1.0.
ISC I 26 22 42 26.4–.90 32.64N–.03 47.84E–.03 15 52 0-8
TEH I 26 22 42 24.6 32.65N 47.85E 8–40 3.5L **¶610206080**
ISN I 26 22 42 24.8–1.6 32.60N 47.87E 17–9 3.3L
ISC Event type ke.
TEH Error ellipse: s-maj=1.1km s-min=2.2km az=-1.0.
ISN Error ellipse: s-maj=8.1km s-min=12.6km az=-1.0.
ISC I 30 18 59 37.8–1.0 32.45N–.05 47.71E–.04 10 12 0-3
ISN I 30 18 59 37.9–1.1 32.44N 47.69E 20–73 2.5L **¶610206084**
TEH I 30 18 59 38.2 32.43N 47.63E 7–23 2.7L
ISC Event type ke.
ISN Error ellipse: s-maj=63.6km s-min=40.8km az=-1.0.
TEH Error ellipse: s-maj=0.7km s-min=0.9km az=-1.0.
ISC II 09 15 48 26.9–1.2 34.99N–.10 45.50E–.06 10 9 1-2
ISN II 09 15 48 27.2–1.3 34.92N 45.50E 10 2.5L **¶610448651**
TEH II 09 15 48 27.3 34.97N 45.55E 10–69 2.6L
ISC Event type ke.
ISN Error ellipse: s-maj=7.3km s-min=16.9km az=-1.0.
TEH Error ellipse: s-maj=4.0km s-min=4.2km az=-1.0.
ISC II 10 08 40 29.2–1.1 32.51N–.06 46.99E–.05 10 14 0-3
ISN II 10 08 40 27.9–1.2 32.48N 46.95E 14–15 2.1L **¶610448655**
TEH II 10 08 40 28.7 32.48N 47.01E 9–40 2.5L
ISC Event type ke.

ISN Error ellipse: s-maj=6.4km s-min=10.3km az=-1.0.
TEH Error ellipse: s-maj=3.8km s-min=2.2km az=-1.0.
ISC II 12 18 25 40.9–.87 32.81N–.04 46.69E–.04 13 28 1-5
TEH II 12 18 25 39.7 32.77N 46.68E 15–37 3.2L ¶610448657
ISN II 12 18 25 40.9–.60 32.81N 46.66E 10–3 2.8L
ISC Event type ke.
TEH Error ellipse: s-maj=3.9km s-min=4.8km az=-1.0.
ISN Error ellipse: s-maj=2.6km s-min=6.6km az=-1.0.
ISC II 13 09 14 07.3–.58 32.83N–.04 47.41E–.04 15 3.8b 66 1-85
IDC II 13 09 14 02.9–1.8 32.61N 47.52E 0 4.0b,3.9 ¶610415441
ISN II 13 09 14 07.3–.90 32.78N 47.51E 6–4 3.8L,3.9
TEH II 13 09 14 07.7 32.88N 47.53E 7–53 3.7L,3.9
ISC Event type ke.
IDC Error ellipse: s-maj=37.7km s-min=17.9km az=161.0.
ISN Error ellipse: s-maj=3.7km s-min=6.6km az=-1.0.
TEH Error ellipse: s-maj=1.9km s-min=4.2km az=-1.0.
ISC II 20 15 47 19.8–.86 36.55N–.03 45.16E–.04 10 60 0-8
ISN II 20 15 47 17.1–.61 36.66N 45.30E 20–7 3.6L ¶610448681
TEH II 20 15 47 19.5 36.54N 45.37E 8–64 3.4L
AZER II 20 15 47 20.8–1.8 36.28N 44.67E 10 3.4L
ISC Event type ke.
ISN Error ellipse: s-maj=6.9km s-min=10.0km az=-1.0.
TEH Error ellipse: s-maj=2.1km s-min=4.0km az=-1.0.
AZER Error ellipse: s-maj=12.6km s-min=11.3km az=26.0.
ISC II 20 17 53 27.3–1.1 33.67N–.05 45.76E–.07 19 10 1-2
TEH II 20 17 53 25.7 33.61N 45.76E 9–48 2.7L ¶610448682
ISN II 20 17 53 27.7–1.1 33.63N 45.77E 9–88 2.4L
ISC Event type ke.
TEH Error ellipse: s-maj=1.2km s-min=1.1km az=-1.0.
ISN Error ellipse: s-maj=53.9km s-min=17.4km az=-1.0.
ISC II 23 17 31 11.1–1.1 33.39N–.03 46.30E–.04 9–11 15 0-2
TEH II 23 17 31 10.8 33.41N 46.32E 10–103 2.7L ¶610448687
ISN II 23 17 31 10.7–.31 33.40N 46.29E 9–1 2.6L
ISC Event type ke.
TEH Error ellipse: s-maj=4.3km s-min=6.3km az=-1.0.
ISN Error ellipse: s-maj=1.8km s-min=2.2km az=-1.0.
ISC II 24 00 37 36.4–1.3 34.29N–.03 45.57E–.03 4–12 42 1-6
ISN II 24 00 37 35.6–.42 34.30N 45.49E 7–2 3.4L ¶610448690
TEH II 24 00 37 36.3 34.29N 45.57E 8–31 3.4L
ISC Event type ke.
ISN Error ellipse: s-maj=1.4km s-min=3.5km az=-1.0.
TEH Error ellipse: s-maj=1.0km s-min=1.7km az=-1.0.
ISC II 24 14 20 33.6–.77 35.57N–.02 46.00E–.03 10 59 1-7
ISN II 24 14 20 32.2–1.3 35.53N 45.83E 7–19 3.5L ¶610448691
TEH II 24 14 20 33.4 35.54N 45.99E 8–55 3.5L
AZER II 24 14 20 40.5–.55 35.42N 45.93E 10–66 3.5L
ISC Event type ke.
ISN Error ellipse: s-maj=18.2km s-min=19.5km az=-1.0.
TEH Error ellipse: s-maj=1.4km s-min=3.1km az=-1.0.
AZER Error ellipse: s-maj=152.3km s-min=8.9km az=15.0.
ISC II 25 05 30 11.6–1.5 31.96N–.07 47.38E–.04 8–13 18 1-4
ISN II 25 05 30 10.6–1.1 32.05N 47.39E 6–31 2.5L ¶610448693
TEH II 25 05 30 11.6 31.97N 47.38E 15–33 2.6L
ISC Event type ke.
ISN Error ellipse: s-maj=36.2km s-min=16.9km az=-1.0.
TEH Error ellipse: s-maj=1.8km s-min=2.3km az=-1.0.
ISC III 01 01 50 33.5–.77 35.17N–.02 46.26E–.03 10 53 0-6
AZER III 01 01 50 23.1–1.4 33.76N 48.11E 10 ¶610671176
ISN III 01 01 50 32.7–1.2 35.19N 46.26E 14–18 3.2L
TEH III 01 01 50 33.6 35.14N 46.29E 9–48 3.2L
ISC Event type ke.
AZER Error ellipse: s-maj=18.5km s-min=9.7km az=117.0.
ISN Error ellipse: s-maj=12.4km s-min=18.6km az=-1.0.
TEH Error ellipse: s-maj=1.3km s-min=2.9km az=-1.0.
ISC III 01 11 42 48.9–1.3 31.59N–.09 47.36E–.05 10 19 1-5
ISN III 01 11 42 46.9–1.0 31.62N 47.42E 6–13 2.7L ¶610671177
TEH III 01 11 42 48.0 31.66N 47.42E 10–92 2.8L
ISC Event type ke.
ISN Error ellipse: s-maj=19.3km s-min=7.3km az=-1.0.
TEH Error ellipse: s-maj=7.1km s-min=4.2km az=-1.0.
ISC III 03 17 45 45.2–1.7 35.14N–.09 46.85E–.06 10 13 0-2
TEH III 03 17 45 43.7 35.23N 46.84E 10–115 2.6L ¶610671179
ISN III 03 17 45 43.5–1.2 35.10N 46.82E 9–15 2.5L
ISC Event type ke.
TEH Error ellipse: s-maj=6.2km s-min=4.7km az=-1.0.
ISN Error ellipse: s-maj=1.4km s-min=10.3km az=-1.0.
ISC III 10 18 11 34.2–1.1 33.13N–.05 45.98E–.07 6–9 10 0-2
ISN III 10 18 11 31.8–1.4 32.99N 45.99E 5–47 2.5L ¶610671191
TEH III 10 18 11 34.9 33.13N 46.05E 10–187 2.5L
ISC Event type ke.
ISN Error ellipse: s-maj=7.4km s-min=3.2km az=-1.0.
TEH Error ellipse: s-maj=9.7km s-min=7.0km az=-1.0.
ISC III 13 02 11 37.3–1.1 33.60N–.06 46.01E–.06 8–16 13 0-2
TEH III 13 02 11 37.0 33.62N 46.02E 8–316 2.5L ¶610671194
ISN III 13 02 11 37.8–2.1 33.63N 46.01E 6 2.1L
ISC Event type ke.
TEH Error ellipse: s-maj=5.1km s-min=8.9km az=-1.0.
ISC III 20 23 44 56.6–.39 32.35N–.04 47.85E–.03 10 4.2b,3.4s 204 1-84
MOS III 20 23 44 54.7–1.1 32.38N 47.88E 10 4.3b,3.4s ¶610394213
IDC III 20 23 44 55.4–1.2 32.49N 47.88E 0 3.9,3.8b
NEIC III 20 23 44 57.0–1.7 32.34N–.08 47.9E–.10 10–2 4.0b,3.8b
TEH III 20 23 44 57.0 32.47N 47.89E 14–26 3.9L,3.8b
ISN III 20 23 44 57.4–1.5 32.43N 47.96E 14–8 3.9L,3.8b
ISC Event type se.
MOS Error ellipse: s-maj=7.3km s-min=5.1km az=100.7.
IDC Error ellipse: s-maj=27.3km s-min=13.2km az=165.0.
NEIC Event type se. Error ellipse: s-maj=19.8km s-min=13.2km az=87.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TEH Error ellipse: s-maj=1.7km s-min=4.1km az=-1.0.
ISN Error ellipse: s-maj=7.7km s-min=11.4km az=-1.0.
ISC III 23 04 53 11.7–1.9 32.7N–.10 47.63E–.06 10 10 1-3
ISN III 23 04 53 09.2–.30 32.74N 47.44E 10 2.1L ¶610671206
TEH III 23 04 53 10.6 32.73N 47.63E 10–156 2.5L
ISC Event type ke.
ISN Error ellipse: s-maj=0.9km s-min=3.4km az=-1.0.
TEH Error ellipse: s-maj=16.6km s-min=8.1km az=-1.0.
ISC III 23 14 21 02.8–1.3 32.69N–.03 47.62E–.03 2–12 40 1-5
ISN III 23 14 21 02.2–.74 32.62N 47.59E 6–3 2.7L ¶610671207
TEH III 23 14 21 03.1 32.71N 47.60E 7–52 3.1L
ISC Event type ke.
ISN Error ellipse: s-maj=3.1km s-min=5.6km az=-1.0.
TEH Error ellipse: s-maj=1.9km s-min=3.8km az=-1.0.
ISC III 24 13 39 52.8–.52 33.77N–.03 46.85E–.03 9–3 4.4b,3.9s 441 1-100
DSN III 24 13 39 52.4–4.9 33.91N 46.75E 10 4.1s,3.9s ¶610434682
ISN III 24 13 39 52.7–1.2 33.92N 46.77E 6–5 4.4L,3.9s
MOS III 24 13 39 52.1–1.1 33.71N 46.82E 15 4.6b,3.9s
TEH III 24 13 39 53.4 33.94N 46.85E 11–28 4.1L,3.9s
NEIC III 24 13 39 53.9–2.2 33.86N–.08 46.94E–.07 10–1 4.6b,3.9s
IDC III 24 13 39 58.0–1.7 33.73N 46.86E 48–16 4.2,4.0b
SGS III 24 13 40 00.4 33.68N 46.50E 6 4.7L,4.0b
OMAN III 24 13 40 01.8–.42 33.37N 47.32E 10 5.8b,4.2s
GII III 24 13 40 04.6–.00 33.77N 46.79E 10 5.8b,4.2s
ISC Event type ke.
DSN Error ellipse: s-maj=57.0km s-min=12.8km az=158.0.
ISN Error ellipse: s-maj=3.3km s-min=8.2km az=-1.0.
MOS Error ellipse: s-maj=7.5km s-min=4.4km az=110.9.
TEH Error ellipse: s-maj=2.0km s-min=2.3km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=15.7km s-min=6.1km az=31.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=15.0km s-min=10.2km az=151.0.
OMAN Error ellipse: s-maj=15.4km s-min=6.3km az=232.0.
GII Event type ke.
ISC III 30 03 27 47.7–1.0 32.39N–.05 47.79E–.06 15 12 1-3
TEH III 30 03 27 47.4 32.41N 47.68E 10–63 2.6L ¶610671216
ISN III 30 03 27 47.5–2.2 32.48N 47.68E 17–15 2.5L
ISC Event type ke.
TEH Error ellipse: s-maj=3.8km s-min=6.7km az=-1.0.
ISN Error ellipse: s-maj=8.0km s-min=17.0km az=-1.0.
ISC III 31 16 57 03.8–1.2 36.88N–.02 45.11E–.02 1–10 74 0-6
ISN III 31 16 57 02.9–1.3 36.95N 44.94E 6–23 3.5L ¶610671220
AZER III 31 16 57 02.4–.50 36.70N 45.08E 5–14 3.5L
TEH III 31 16 57 03.6 36.92N 45.14E 6–51 3.4L
DDA III 31 16 57 03.3–.00 36.54N 44.85E 5–2 3.3L
ISC Event type ke.
ISN Error ellipse: s-maj=24.0km s-min=20.1km az=-1.0.
AZER Error ellipse: s-maj=51.0km s-min=5.2km az=26.0.
TEH Error ellipse: s-maj=2.0km s-min=2.1km az=-1.0.
ISC IV 02 18 42 59.7–.87 32.69N–.03 47.55E–.03 10 31 1-5
TEH IV 02 18 42 59.6 32.73N 47.55E 8–46 3.1L ¶610671225
ISN IV 02 18 43 00.5–1.6 32.64N 47.66E 20–43 2.8L
ISC Event type ke.
TEH Error ellipse: s-maj=1.6km s-min=2.3km az=-1.0.
ISN Error ellipse: s-maj=35.8km s-min=41.4km az=-1.0.
ISC IV 02 20 42 11.2–1.1 32.38N–.05 47.25E–.06 10 12 1-3
ISN IV 02 20 42 08.5–1.3 32.50N 47.29E 7–10 2.4L ¶610671226
TEH IV 02 20 42 11.8 32.44N 47.29E 14–137 2.8L
ISC Event type ke.
ISN Error ellipse: s-maj=6.7km s-min=10.4km az=-1.0.
TEH Error ellipse: s-maj=4.3km s-min=6.2km az=-1.0.
ISC IV 07 17 51 55.2–.97 32.46N–.05 47.93E–.04 15 15 1-3
TEH IV 07 17 51 55.3 32.46N 47.81E 10–46 2.9L ¶610671228
ISN IV 07 17 51 55.0–1.1 32.46N 47.88E 19–86 2.8L
ISC Event type ke.
TEH Error ellipse: s-maj=2.2km s-min=3.0km az=-1.0.
ISN Error ellipse: s-maj=80.5km s-min=47.3km az=-1.0.
ISC IV 07 20 41 36.9–1.1 32.50N–.05 47.91E–.04 15 16 1-4
ISN IV 07 20 41 33.4–1.0 32.41N 47.65E 8–999 2.6L ¶610671229
TEH IV 07 20 41 34.7 32.47N 47.90E 8–40 2.6L
ISC Event type ke.
ISN Error ellipse: s-maj=4.3km s-min=10.0km az=-1.0.
TEH Error ellipse: s-maj=1.4km s-min=2.0km az=-1.0.
ISC IV 09 02 44 19.3–1.4 35.50N–.03 45.85E–.03 10–12 39 1-5
AZER IV 09 02 44 07.0–3.7 34.46N 45.94E 10 ¶610671231
ISN IV 09 02 44 16.3–.79 35.61N 45.95E 8–3 3.2L
TEH IV 09 02 44 17.5 35.62N 46.02E 8–58 3.2L
ISC Event type ke.
AZER Error ellipse: s-maj=185.5km s-min=33.3km az=111.0.
ISN Error ellipse: s-maj=3.6km s-min=4.7km az=-1.0.
TEH Error ellipse: s-maj=1.1km s-min=2.9km az=-1.0.
ISC IV 12 06 16 34.6–1.1 35.71N–.05 46.13E–.05 10 17 1-3
ISN IV 12 06 16 36.7–.37 35.49N 46.02E 7–2 2.7L ¶610671235
TEH IV 12 06 16 37.0 35.49N 46.03E 10–53 2.8L
ISC Event type ke.
ISN Error ellipse: s-maj=2.2km s-min=3.1km az=-1.0.
TEH Error ellipse: s-maj=3.9km s-min=7.6km az=-1.0.
ISC IV 13 09 41 22.5–1.1 32.92N–.04 47.71E–.04 10 40 1-5
TEH IV 13 09 41 19.9 32.89N 47.69E 8–27 3.3L ¶610671237
ISN IV 13 09 41 20.7–1.1 32.86N 47.82E 16–5 3.3L
ISC Event type ke.
TEH Error ellipse: s-maj=0.8km s-min=1.8km az=-1.0.
ISN Error ellipse: s-maj=4.8km s-min=8.5km az=-1.0.
ISC IV 14 15 17 56.9–1.0 35.46N–.05 46.31E–.05 10 13 1-3
TEH IV 14 15 17 56.4 35.48N 46.33E 10–50 2.8L ¶610671238
ISN IV 14 15 17 59.3–1.9 35.42N 46.31E 10 1.6L
ISC Event type ke.
TEH Error ellipse: s-maj=2.9km s-min=5.4km az=-1.0.
ISN Error ellipse: s-maj=0.1km s-min=29.4km az=-1.0.
ISC IV 15 02 52 29.3–1.6 31.0N–.10 47.88E–.04 10 25 1-6
TEH IV 15 02 52 28.3 30.98N 47.90E 8–60 3.1L ¶610671239
ISN IV 15 02 52 28.7–1.3 30.97N 47.60E 8–6 2.7L
ISC Event type ke.
TEH Error ellipse: s-maj=2.7km s-min=2.2km az=-1.0.
ISN Error ellipse: s-maj=4.8km s-min=9.4km az=-1.0.
ISC IV 15 17 25 38.6–1.8 32.48N–.05 47.46E–.09 8–18 13 1-3
ISN IV 15 17 25 36.7–.73 32.45N 47.56E 19–6 2.7L ¶610671240
TEH IV 15 17 25 38.1 32.49N 47.43E 10–124 2.7L
ISC Event type ke.
ISN Error ellipse: s-maj=5.5km s-min=8.5km az=-1.0.
TEH Error ellipse: s-maj=3.0km s-min=9.1km az=-1.0.
ISC IV 17 04 45 10.9–1.5 33.91N–.03 45.62E–.05 3–14 18 1-2
ISN IV 17 04 45 10.5–.86 33.91N 45.57E 7–5 2.2L ¶610671244
TEH IV 17 04 45 11.0 33.91N 45.65E 7 2.6L
ISC Event type ke.
ISN Error ellipse: s-maj=2.8km s-min=6.1km az=-1.0.
TEH Error ellipse: s-maj=1.6km s-min=5.0km az=-1.0.
ISC IV 20 19 43 25.0–1.4 36.69N–.04 44.89E–.03 3–12 25 1-4
DDA IV 20 19 43 24.9–.00 36.58N 44.92E 6–3 2.9L ¶610671245
ISN IV 20 19 43 25.8–.44 36.73N 44.87E 19–4 2.6L
TEH IV 20 19 43 26.0 36.76N 44.92E 6–113 2.8L
ISC Event type ke.
ISN Error ellipse: s-maj=2.9km s-min=3.9km az=-1.0.
TEH Error ellipse: s-maj=10.1km s-min=11.5km az=-1.0.
ISC IV 21 12 25 08.0–3.1 35.8N–.20 46.22E–.09 10 6 1-2
TEH IV 21 12 25 08.1 35.76N 46.19E 10 2.6L ¶610671246
ISN IV 21 12 25 09.8–2.1 35.74N 46.18E 25 2.6L
ISC Event type ke.
ISN Error ellipse: s-maj=5.6km s-min=32.4km az=-1.0.
ISC IV 21 17 32 42.8–1.0 32.62N–.05 47.47E–.04 10 18 1-4
ISN IV 21 17 32 41.1–.87 32.59N 47.50E 6–4 2.7L ¶610671247
TEH IV 21 17 32 42.2 32.64N 47.47E 7–33 2.9L
ISC Event type ke.
ISN Error ellipse: s-maj=3.5km s-min=6.5km az=-1.0.
TEH Error ellipse: s-maj=1.4km s-min=1.2km az=-1.0.
ISC IV 26 09 16 49.5–1.6 32.98N–.05 46.2E–.10 10–19 10 0-2
ISN IV 26 09 16 48.3–.84 33.00N 46.22E 24–18 2.0L ¶610671250
TEH IV 26 09 16 48.7 32.97N 46.25E 19–18 2.5L
ISC Event type ke.
ISN Error ellipse: s-maj=8.1km s-min=19.6km az=-1.0.
TEH Error ellipse: s-maj=4.7km s-min=3.9km az=-1.0.
ISC IV 26 16 10 59.4–1.4 33.71N–.03 46.15E–.04 1–12 34 1-6
TEH IV 26 16 10 58.2 33.69N 46.13E 8–18 3.3L ¶610671252
ISN IV 26 16 10 59.1–.69 33.71N 46.15E 13–3 3.1L
ISC Event type ke.
TEH Error ellipse: s-maj=0.8km s-min=1.0km az=-1.0.
ISN Error ellipse: s-maj=2.2km s-min=5.1km az=-1.0.
ISC IV 27 03 42 15.0–1.2 33.73N–.04 45.91E–.03 12–11 30 1-6
ISN IV 27 03 42 12.0–1.6 33.74N 45.85E 0–7 3.1L ¶610671255
TEH IV 27 03 42 17.7 33.72N 46.13E 16–46 3.2L
ISC Event type ke.
ISN Error ellipse: s-maj=5.5km s-min=7.8km az=-1.0.
TEH Error ellipse: s-maj=2.8km s-min=4.1km az=-1.0.
ISC V 04 13 17 01.0–1.3 32.82N–.04 46.88E–.05 7–13 18 1-3
ISN V 04 13 17 00.1–1.4 32.77N 46.85E 8–7 2.6L ¶610671280
TEH V 04 13 17 00.6 32.84N 46.87E 10–148 2.9L
ISC Event type ke.
ISN Error ellipse: s-maj=5.1km s-min=11.1km az=-1.0.
TEH Error ellipse: s-maj=6.7km s-min=5.1km az=-1.0.
ISC V 14 10 50 32.2–1.1 34.21N–.03 45.31E–.03 13–11 26 1-5
TEH V 14 10 50 30.1 34.19N 45.22E 13–84 3.1L ¶610670068
ISN V 14 10 50 32.1–.46 34.27N 45.36E 14–2 3.2L

ISC	Event type ke.							
TEH	Error ellipse: s-maj=3.3km s-min=4.2km az=-1.0.							
ISN	Error ellipse: s-maj=1.6km s-min=2.4km az=-1.0.							
ISC	**V**	**16 11 06 47.2–1.0**	**32.59N–.04**	**47.56E–.04**	**23**		**37**	**1-6**
ISN	V	16 11 06 44.5–1.1	32.52N	47.55E	14–6	3.3L		**¶610670070**
TEH	V	16 11 06 44.6	32.60N	47.55E	14–41	3.5L		
ISC	Event type ke.							
ISN	Error ellipse: s-maj=4.6km s-min=8.8km az=-1.0.							
TEH	Error ellipse: s-maj=2.1km s-min=3.7km az=-1.0.							
ISC	**V**	**16 15 26 50.5–1.1**	**35.14N–.05**	**46.67E–.05**	**10**		**15**	**0-3**
TEH	V	16 15 26 49.0	35.19N	46.64E	2–77	2.5L		**¶610670071**
ISN	V	16 15 26 49.6–1.2	35.12N	46.64E	16–17	2.5L		
ISC	Event type ke.							
TEH	Error ellipse: s-maj=2.0km s-min=2.4km az=-1.0.							
ISN	Error ellipse: s-maj=1.3km s-min=9.4km az=-1.0.							
ISC	**V**	**16 19 42 10.4–1.3**	**35.26N–.03**	**46.53E–.04**	**5–12**		**35**	**0-5**
ISN	V	16 19 42 07.7–.51	35.48N	46.55E	18–15	3.3L		**¶610670074**
AZER	V	16 19 42 10.4–12	34.41N	46.54E	41–999	3.3L		
TEH	V	16 19 42 10.7	35.24N	46.63E	6–80	3.0L		
ISC	Event type ke.							
ISN	Error ellipse: s-maj=13.2km s-min=4.1km az=-1.0.							
AZER	Error ellipse: s-maj=4192.0km s-min=43.1km az=6.0.							
TEH	Error ellipse: s-maj=1.7km s-min=3.0km az=-1.0.							
ISC	**V**	**18 02 38 42.4–.93**	**33.73N–.04**	**45.57E–.04**	**13**		**23**	**1-6**
ISN	V	18 02 38 43.1–.55	33.79N	45.49E	15–3	3.0L		**¶610670076**
TEH	V	18 02 38 44.7	33.80N	45.64E	28–46	3.2L		
ISC	Event type ke.							
ISN	Error ellipse: s-maj=1.9km s-min=2.4km az=-1.0.							
TEH	Error ellipse: s-maj=4.3km s-min=16.2km az=-1.0.							
ISC	**V**	**24 05 48 50.8–1.3**	**32.96N–.07**	**47.85E–.06**	**10**		**11**	**1-3**
ISN	V	24 05 48 46.5–2.0	32.98N	47.94E	8	1.6L		**¶610670081**
TEH	V	24 05 48 50.2	32.95N	47.97E	8	2.8L		
ISC	Event type ke.							
ISN	Error ellipse: s-maj=2.7km s-min=36.6km az=-1.0.							
TEH	Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.							
ISC	**V**	**28 19 19 14.7–1.2**	**36.43N–.06**	**45.34E–.05**	**14–11**		**14**	**0-3**
TEH	V	28 19 19 12.3	36.45N	45.21E	10–256	2.6L		**¶612623947**
DDA	V	28 19 19 17.0–.00	36.36N	45.05E	14–10	2.5L		
ISC	Event type ke.							
TEH	Error ellipse: s-maj=6.9km s-min=14.8km az=-1.0.							
ISC	**V**	**29 02 15 57.5–1.4**	**36.10N–.04**	**44.39E–.04**	**0–15**		**27**	**1-4**
DDA	V	29 02 15 59.1–.00	36.14N	44.47E	5–2	2.8L		**¶610670091**
TEH	V	29 02 15 59.5	36.21N	44.45E	11–47	3.1L		
ISN	V	29 02 16 00.3–1.1	36.16N	44.45E	11–6	2.5L		
ISC	Event type ke.							
TEH	Error ellipse: s-maj=1.8km s-min=6.3km az=-1.0.							
ISN	Error ellipse: s-maj=8.1km s-min=1.1km az=-1.0.							
ISC	**V**	**30 11 41 25.5–1.1**	**32.97N–.04**	**48.00E–.04**	**28**		**35**	**1-5**
TEH	V	30 11 41 21.7	32.97N	48.03E	6–52	3.1L		**¶610670094**
ISN	V	30 11 41 23.1–1.4	33.00N	48.02E	16–7	3.2L		
ISC	Event type ke.							
TEH	Error ellipse: s-maj=2.2km s-min=2.8km az=-1.0.							
ISN	Error ellipse: s-maj=6.3km s-min=10.7km az=-1.0.							
ISC	**VI**	**06 03 55 18.2–1.2**	**32.66N–.05**	**47.88E–.04**	**15**		**20**	**1-4**
ISN	VI	06 03 55 16.9–.49	32.58N	47.85E	14–3	2.8L		**¶615387165**
TEH	VI	06 03 55 16.2	32.66N	47.87E	11	2.9L		
ISC	Event type ke.							
ISN	Error ellipse: s-maj=4.0km s-min=5.1km az=-1.0.							
TEH	Error ellipse: s-maj=1.8km s-min=2.6km az=-1.0.							
ISC	**VI**	**16 20 08 08.6–.89**	**33.10N–.04**	**45.98E–.04**	**10**		**21**	**0-5**
ISN	VI	16 20 08 06.9–1.1	33.06N	46.00E	8–3	2.8L		**¶615387220**
TEH	VI	16 20 08 08.0	33.10N	45.99E	8–69	2.9L		
ISC	Event type ke.							
ISN	Error ellipse: s-maj=3.6km s-min=6.4km az=-1.0.							
TEH	Error ellipse: s-maj=3.1km s-min=7.9km az=-1.0.							
ISC	**VI**	**17 06 05 04.9–1.2**	**33.07N–.06**	**46.01E–.06**	**5–9**		**11**	**0-2**
ISN	VI	17 06 05 04.7–.74	33.05N	45.97E	6–13	2.3L		**¶615387223**
TEH	VI	17 06 05 07.2	33.17N	46.18E	11	2.5L		
ISC	Event type ke.							
ISN	Error ellipse: s-maj=5.7km s-min=7.3km az=-1.0.							
TEH	Error ellipse: s-maj=21.8km s-min=22.8km az=-1.0.							
ISC	**VI**	**19 01 47 43.1–1.6**	**35.32N–.09**	**46.68E–.05**	**10**		**14**	**0-2**
ISN	VI	19 01 47 43.9–1.2	35.29N	46.65E	22–16	2.5L		**¶615387235**
TEH	VI	19 01 47 43.2	35.30N	46.70E	8–107	2.7L		
ISC	Event type ke.							
ISN	Error ellipse: s-maj=0.9km s-min=13.9km az=-1.0.							
TEH	Error ellipse: s-maj=4.9km s-min=3.3km az=-1.0.							
ISC	**VI**	**24 03 04 32.8–1.1**	**34.47N–.04**	**45.45E–.04**	**18**		**13**	**1-3**
TEH	VI	24 03 04 31.5	34.48N	45.42E	9	2.5L		**¶615387260**
ISN	VI	24 03 04 31.9–.46	34.48N	45.43E	14–11	2.1L		
ISC	Event type ke.							
TEH	Error ellipse: s-maj=5.7km s-min=8.7km az=-1.0.							
ISN	Error ellipse: s-maj=7.3km s-min=4.5km az=-1.0.							
ISC	**VI**	**25 17 55 11.2–1.2**	**33.04N–.06**	**46.03E–.04**	**4–15**		**12**	**0-2**
ISN	VI	25 17 55 09.9–.45	33.00N	46.03E	7–999	2.5L		**¶615387275**
TEH	VI	25 17 55 10.5	33.00N	46.04E	10–56	2.8L		
ISC	Event type ke.							
ISN	Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.							
TEH	Error ellipse: s-maj=2.6km s-min=1.8km az=-1.0.							
ISC	**VI**	**28 02 53 11.0–.87**	**33.16N–.03**	**45.88E–.04**	**10–6**	**3.6b**	**54**	**0-82**
IDC	VI	28 02 53 09.4–1.6	33.22N	45.91E	0	3.5,3.5b		**¶610789611**
TEH	VI	28 02 53 09.4	33.15N	45.92E	12–51	3.7L,3.5b		
ISN	VI	28 02 53 10.9–1.2	33.15N	45.83E	3–6	3.8L,3.5b		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=41.3km s-min=13.6km az=159.0.							
TEH	Error ellipse: s-maj=3.7km s-min=4.4km az=-1.0.							
ISN	Error ellipse: s-maj=4.4km s-min=7.7km az=-1.0.							
ISC	**VI**	**28 23 50 56.2–1.1**	**33.16N–.03**	**45.90E–.04**	**4–8**		**34**	**0-6**
ISN	VI	28 23 50 56.3–.70	33.13N	45.91E	6–2	3.7L		**¶615387291**
TEH	VI	28 23 50 56.3	33.17N	45.95E	6–52	3.7L		
ISC	Event type ke.							
ISN	Error ellipse: s-maj=2.7km s-min=5.5km az=-1.0.							
TEH	Error ellipse: s-maj=2.1km s-min=4.4km az=-1.0.							
ISC	**VI**	**29 08 09 05.8–2.2**	**33.19N–.07**	**45.9E–.20**	**7–19**		**8**	**0-2**
TEH	VI	29 08 09 03.5	33.17N	45.75E	8–27	2.6L		**¶615387292**
ISN	VI	29 08 09 05.5–.48	33.15N	45.84E	6	2.6L		
ISC	Event type ke.							
TEH	Error ellipse: s-maj=2.8km s-min=4.7km az=-1.0.							
ISN	Error ellipse: s-maj=1.9km s-min=4.9km az=-1.0.							

(347) Western Iran.

ISC	**I**	**22 06 47 38.4–.29**	**32.62N–.03**	**49.79E–.03**	**11**	**5.3s,4.6b**	**459**	**1-98**
IDC	I	22 06 47 36.9–.57	32.66N	49.66E	0	5.6s,4.2		**¶610147937**
MOS	I	22 06 47 36.5–1.2	32.57N	49.74E	10	5.0s,4.7b		
TEH	I	22 06 47 37.9	32.73N	49.86E	8–50	4.5L,4.7b		
NEIC	I	22 06 47 38.5–1.2	32.61N–.06	49.71E–.08	10–1	4.7b,4.7b		
DSN	I	22 06 47 44.9–1.9	32.05N	49.79E	11	4.0L,4.7b		
OMAN	I	22 06 47 55.5–.42	31.69N	50.19E	10–9	5.3b,4.7b		
ISC	Event type se.							
IDC	Error ellipse: s-maj=13.2km s-min=10.3km az=167.0.							
MOS	Error ellipse: s-maj=6.1km s-min=3.7km az=118.7.							
TEH	Error ellipse: s-maj=1.3km s-min=1.7km az=-1.0.							
NEIC	Event type se. Error ellipse: s-maj=12.0km s-min=10.7km az=79.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
DSN	Error ellipse: s-maj=26.1km s-min=10.7km az=15.0.							
OMAN	Error ellipse: s-maj=10.1km s-min=5.9km az=6.0.							
ISC	**II**	**02 22 39 10.5–.60**	**33.31N–.04**	**47.39E–.03**	**14**	**4.0b**	**75**	**0-84**
IDC	II	02 22 39 07.9–1.7	33.30N	47.31E	0	3.7,3.7b		**¶610414703**
TEH	II	02 22 39 09.5	33.33N	47.42E	8–42	3.5L,3.7b		
ISN	II	02 22 39 09.1–.92	33.32N	47.43E	8–4	3.4L,3.7b		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=37.8km s-min=16.8km az=174.0.							
TEH	Error ellipse: s-maj=2.1km s-min=2.1km az=-1.0.							
ISN	Error ellipse: s-maj=3.6km s-min=6.4km az=-1.0.							
ISC	**II**	**04 17 34 32.3–.36**	**31.29N–.04**	**49.45E–.04**	**10**	**4.3b,3.1s**	**334**	**0-84**
MOS	II	04 17 34 30.3–1.2	31.35N	49.51E	10	4.4b,3.1s		**¶610197359**
IDC	II	04 17 34 31.3–1.1	31.45N	49.50E	0	4.0,3.9b		
TEH	II	04 17 34 34.1	31.50N	49.55E	12–21	4.0L,3.9b		
NEIC	II	04 17 34 36.2–1.4	31.30N–.07	49.47E–.08	40–5	4.2b,3.9b		
OMAN	II	04 17 34 42.8–.25	30.59N	49.56E	12	5.6b,2.4s		
ISC	Event type se.							
MOS	Error ellipse: s-maj=8.4km s-min=5.2km az=113.8.							
IDC	Error ellipse: s-maj=22.8km s-min=15.3km az=4.0.							
TEH	Error ellipse: s-maj=1.0km s-min=1.0km az=-1.0.							
NEIC	Event type se. Error ellipse: s-maj=12.4km s-min=6.8km az=221.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
OMAN	Error ellipse: s-maj=6.3km s-min=4.4km az=234.0.							
ISC	**II**	**05 02 19 46.2–.99**	**31.03N–.05**	**48.67E–.03**	**10**		**40**	**0-5**
TEH	II	05 02 19 45.4	31.00N	48.67E	11–19	3.1L		**¶610448638**
ISN	II	05 02 19 46.1–1.4	31.06N	48.81E	18–25	3.0L		
ISC	Event type ke.							
TEH	Error ellipse: s-maj=1.9km s-min=2.3km az=-1.0.							
ISN	Error ellipse: s-maj=50.4km s-min=20.5km az=-1.0.							
ISC	**II**	**17 08 09 50.3–1.3**	**33.85N–.03**	**48.74E–.03**	**2–11**		**61**	**0-7**
AZER	II	17 08 09 47.5–3.4	33.70N	49.52E	10			**¶610448671**
ISN	II	17 08 09 49.1–1.2	33.84N	48.67E	10–30	3.2L		
TEH	II	17 08 09 50.5	33.86N	48.68E	6–39	3.5L		
ISC	Event type ke.							
AZER	Error ellipse: s-maj=311.5km s-min=41.6km az=262.0.							
ISN	Error ellipse: s-maj=7.8km s-min=42.8km az=-1.0.							
TEH	Error ellipse: s-maj=1.4km s-min=1.8km az=-1.0.							
ISC	**II**	**20 14 39 44.6–.90**	**33.31N–.04**	**47.40E–.03**	**14**		**20**	**1-4**
TEH	II	20 14 39 43.7	33.32N	47.40E	8–144	2.9L		**¶610448680**
ISN	II	20 14 39 43.2–1.1	33.30N	47.42E	8–5	3.1L		
ISC	Event type ke.							
TEH	Error ellipse: s-maj=5.9km s-min=2.8km az=-1.0.							
ISN	Error ellipse: s-maj=4.1km s-min=7.3km az=-1.0.							
ISC	**III**	**11 10 33 40.3–1.3**	**34.92N–.02**	**46.80E–.03**	**1–9**	**3.8b,2.9s**	**103**	**0-49**
TEH	III	11 10 33 40.1	34.95N	46.83E	6–31	4.0L,2.9s		**¶610546011**
IDC	III	11 10 33 40.3–1.0	34.96N	46.66E	0	4.0L,3.8		
NEIC	III	11 10 33 41.9–2.0	34.81N–.08	46.78E–.07	10–1	4.1b,3.8		
ISN	III	11 10 33 41.6–.79	34.98N	46.89E	18–4	3.8L,3.8		
AZER	III	11 10 33 49.2–4.7	34.97N	47.00E	8	3.8L,3.8		
ISC	Event type se.							
TEH	Error ellipse: s-maj=2.3km s-min=1.7km az=-1.0.							
IDC	Error ellipse: s-maj=19.7km s-min=14.5km az=162.0.							
NEIC	Event type se. Error ellipse: s-maj=15.6km s-min=7.2km az=32.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
ISN	Error ellipse: s-maj=3.5km s-min=7.1km az=-1.0.							
AZER	Error ellipse: s-maj=30.6km s-min=19.7km az=175.0.							
ISC	**III**	**11 11 01 23.1–.90**	**34.97N–.02**	**46.86E–.03**	**9–6**	**3.6b**	**93**	**0-50**
IDC	III	11 11 01 21.0–1.0	35.04N	46.76E	0	3.8L,3.7		**¶610546012**
TEH	III	11 11 01 22.4	34.98N	46.85E	8–24	3.9L,3.7		
ISN	III	11 11 01 22.6–.79	34.98N	46.89E	18–4	3.8L,3.7		
AZER	III	11 11 01 27.8–1.8	34.50N	47.03E	10	3.8L,3.7		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=19.4km s-min=14.9km az=173.0.							
TEH	Error ellipse: s-maj=1.4km s-min=2.0km az=-1.0.							
ISN	Error ellipse: s-maj=3.5km s-min=7.1km az=-1.0.							
AZER	Error ellipse: s-maj=17.9km s-min=13.2km az=108.0.							
ISC	**III**	**16 12 28 13.2–.98**	**33.78N–.04**	**48.72E–.04**	**11**		**49**	**0-7**
ISN	III	16 12 28 11.3–1.1	33.74N	48.86E	10–24	3.4L		**¶610671197**
TEH	III	16 12 28 12.9	33.75N	48.80E	11–30	3.5L		
ISC	Event type ke.							
ISN	Error ellipse: s-maj=6.6km s-min=33.9km az=-1.0.							
TEH	Error ellipse: s-maj=1.8km s-min=1.8km az=-1.0.							
ISC	**III**	**19 23 46 51.7–.54**	**35.67N–.02**	**49.04E–.04**	**8**	**3.8b,3.3s**	**105**	**1-76**
AZER	III	19 23 46 41.8–.28	35.58N	51.12E	10	3.8b,3.3s		**¶610546547**
TEH	III	19 23 46 49.2	35.70N	49.08E	6–104	4.1L,3.3s		
IDC	III	19 23 46 50.5–1.5	35.57N	48.99E	0	3.7,3.6b		
ISC	Event type ke.							
AZER	Error ellipse: s-maj=10.2km s-min=4.5km az=233.0.							
TEH	Error ellipse: s-maj=1.0km s-min=1.3km az=-1.0.							
IDC	Error ellipse: s-maj=25.9km s-min=15.7km az=1.0.							
ISC	**III**	**24 11 23 11.8–.71**	**30.79N–.06**	**49.29E–.05**	**10**	**3.6b**	**61**	**1-86**
IDC	III	24 11 23 09.7–1.7	30.86N	49.26E	0	3.8,3.7b		**¶610471018**
ISN	III	24 11 23 11.9–.86	30.73N	49.12E	13–107	3.7L,3.7b		
TEH	III	24 11 23 11.9	30.80N	49.29E	12–18	3.7L,3.7b		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=35.5km s-min=21.6km az=12.0.							
ISN	Error ellipse: s-maj=71.0km s-min=113.4km az=-1.0.							
TEH	Error ellipse: s-maj=1.3km s-min=1.8km az=-1.0.							
ISC	**III**	**27 01 56 54.4–1.1**	**31.53N–.05**	**48.57E–.04**	**10**		**23**	**0-4**
TEH	III	27 01 56 53.5	31.56N	48.62E	10–40	2.9L		**¶610671209**
ISN	III	27 01 56 53.7–1.2	31.48N	48.52E	29–9	2.8L		
ISC	Event type ke.							
TEH	Error ellipse: s-maj=2.2km s-min=2.3km az=-1.0.							
ISN	Error ellipse: s-maj=1.4km s-min=13.1km az=-1.0.							
ISC	**IV**	**11 07 40 56.9–.95**	**32.45N–.05**	**48.85E–.04**	**10**		**47**	**1-10**
ISN	IV	11 07 40 55.2–.94	32.41N	48.84E	4–29	3.4L		**¶610671234**
TEH	IV	11 07 40 56.5	32.53N	48.79E	11–24	3.7L		
DSN	IV	11 07 41 02.1–1.6	31.99N	49.12E	15	3.7L		
ISC	Event type ke.							
ISN	Error ellipse: s-maj=8.5km s-min=38.6km az=-1.0.							
TEH	Error ellipse: s-maj=1.2km s-min=2.1km az=-1.0.							
DSN	Error ellipse: s-maj=62.4km s-min=12.1km az=37.0.							
ISC	**IV**	**14 09 18 46.4–.59**	**32.37N–.05**	**49.39E–.04**	**10**	**3.6b**	**56**	**1-103**
IDC	IV	14 09 18 43.9–1.2	32.33N	49.28E	0	3.6,3.6b		**¶610598362**
TEH	IV	14 09 18 48.9	32.33N	49.47E	13–44	3.5L,3.6b		
DSN	IV	14 09 18 56.6–1.7	31.79N	49.80E	40	3.3L,3.6b		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=31.5km s-min=19.7km az=16.0.							
TEH	Error ellipse: s-maj=1.3km s-min=1.6km az=-1.0.							
DSN	Error ellipse: s-maj=34.9km s-min=16.6km az=48.0.							
ISC	**V**	**05 17 37 02.5–.34**	**33.26N–.03**	**47.51E–.02**	**10**	**4.3b,3.1s**	**296**	**0-100**
TEH	V	05 17 37 01.5	33.31N	47.51E	6–78	3.8L,3.1s		**¶610609346**
ISN	V	05 17 37 01.3–.89	33.29N	47.54E	8–4	3.9L,3.1s		
MOS	V	05 17 37 01.1–1.3	33.09N	47.48E	15	4.3b,3.1s		
NEIC	V	05 17 37 02.5–1.4	33.11N–.05	47.44E–.07	10–1	4.3b,3.1s		
IDC	V	05 17 37 06.5–3.0	33.26N	47.45E	35–23	4.0,3.8b		
ISC	Event type se.							
TEH	Error ellipse: s-maj=1.7km s-min=2.0km az=-1.0.							
ISN	Error ellipse: s-maj=3.6km s-min=6.2km az=-1.0.							
MOS	Error ellipse: s-maj=6.2km s-min=4.2km az=113.2.							
NEIC	Event type se. Error ellipse: s-maj=10.6km s-min=8.9km az=259.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
IDC	Error ellipse: s-maj=19.0km s-min=11.2km az=168.0.							
ISC	**V**	**12 18 09 21.9–.00**	**32.59N–.04**	**48.09E–.04**	**15**		**25**	**1-4**
TEH	V	12 18 09 21.5	32.60N	48.07E	28–27	3.0L		**¶610670064**
ISN	V	12 18 09 22.2–1.8	32.68N	48.05E	22–15	3.0L		
ISC	Event type ke.							
TEH	Error ellipse: s-maj=2.8km s-min=5.1km az=-1.0.							
ISN	Error ellipse: s-maj=4.0km s-min=18.9km az=-1.0.							
ISC	**V**	**14 13 18 40.1–1.1**	**34.35N–.03**	**48.47E–.02**	**6–10**		**46**	**0-19**
TEH	V	14 13 18 39.7	34.37N	48.49E	5	3.5L		**¶610670069**
ISN	V	14 13 18 41.8–1.1	34.40N	48.65E	28–6	3.5L		
ISC	Event type ke.							
TEH	Error ellipse: s-maj=1.0km s-min=0.9km az=-1.0.							

ISN Error ellipse: s-maj=5.5km s-min=9.3km az=-1.0.
ISC V 24 00 18 07.8–.81 33.86N–.03 48.67E–.03 10 57 0-7
ISN V 24 00 18 06.1–.46 33.85N 48.62E 10–9 3.3L ¶610670080
TEH V 24 00 18 07.6 33.88N 48.63E 5 3.6L
AZER V 24 00 18 09.1–1.1 33.97N 48.71E 10–424 3.6L
ISC Event type ke.
ISN Error ellipse: s-maj=2.8km s-min=12.8km az=-1.0.
TEH Error ellipse: s-maj=1.0km s-min=0.9km az=-1.0.
AZER Error ellipse: s-maj=803.2km s-min=23.2km az=348.0.
ISC VI 08 08 15 20.1–.73 35.66N–.03 49.00E–.03 8 3.7b,2.9s 70 1-65
IDC VI 08 08 15 17.0–2.3 35.42N 48.75E 0 3.8,3.7b ¶610791451
TEH VI 08 08 15 19.3 35.70N 48.93E 14–18 4.0L,3.7b
AZER VI 08 08 15 24.9–1.5 36.17N 50.33E 4–60 4.0L,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=36.2km s-min=22.3km az=11.0.
TEH Error ellipse: s-maj=0.9km s-min=1.3km az=-1.0.
AZER Error ellipse: s-maj=189.5km s-min=9.9km az=321.0.
ISC VI 18 11 54 02.6–.00 33.45N–.04 48.35E–.04 10 45 0-7
TEH VI 18 11 53 59.6 33.49N 48.41E 6–247 3.6L ¶612724894
AZER VI 18 11 54 01.0–99 33.59N 49.03E 10–999 3.6L
ISC Event type ke.
TEH Error ellipse: s-maj=2.0km s-min=1.9km az=-1.0.
AZER Error ellipse: s-maj=9999.0km s-min=132.2km az=355.0.
ISC VI 19 01 43 13.7–.79 32.46N–.04 48.95E–.04 10 3.9b 36 1-38
NAO VI 19 01 42 57.0 30.14N 49.41E 33 3.8b ¶610760968
IDC VI 19 01 42 57.9–24 30.96N 49.49E 0 4.0b,3.8
TEH VI 19 01 43 14.1 32.47N 48.96E 11–28 3.2L,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=450.8km s-min=115.5km az=179.0.
TEH Error ellipse: s-maj=1.3km s-min=1.8km az=-1.0.
ISC VI 24 08 54 27.2–.47 32.30N–.05 48.88E–.05 23 3.9b,3.5s 124 1-89
IDC VI 24 08 54 24.2–1.4 32.38N 48.92E 0 4.0b,3.9 ¶610760994
TEH VI 24 08 54 27.4 32.41N 48.85E 17–35 4.0L,3.9
DSN VI 24 08 54 35.9–2.4 31.79N 49.06E 44 4.1L,3.9
OMAN VI 24 08 54 36.7–.11 31.49N 49.07E 11 4.3b,3.9
ISC Event type ke.
IDC Error ellipse: s-maj=27.5km s-min=14.3km az=177.0.
TEH Error ellipse: s-maj=1.7km s-min=2.4km az=-1.0.
DSN Error ellipse: s-maj=31.3km s-min=12.3km az=2.0.
OMAN Error ellipse: s-maj=4.4km s-min=1.9km az=44.0.
ISC VI 25 01 49 45.1–.48 32.27N–.05 48.88E–.05 23 3.8b,3.3s 161 1-71
TEH VI 25 01 49 46.2 32.42N 48.82E 21–70 3.8L,3.3s ¶610760997
IDC VI 25 01 49 48.0–2.0 32.34N 48.92E 47–25 3.7,3.5b
SGS VI 25 01 49 50.0 32.35N 48.58E 13 4.0L,3.5b
OMAN VI 25 01 49 51.4–.29 31.71N 49.04E 10 4.4b,3.5b
DSN VI 25 01 49 53.8–1.6 31.56N 49.12E 10 3.8L,3.5b
ISC Event type ke.
TEH Error ellipse: s-maj=2.0km s-min=2.9km az=-1.0.
IDC Error ellipse: s-maj=30.1km s-min=13.7km az=178.0.
OMAN Error ellipse: s-maj=10.1km s-min=3.8km az=38.0.
DSN Error ellipse: s-maj=22.4km s-min=11.6km az=15.0.
ISC VI 26 20 56 44.9–1.1 32.30N–.06 48.87E–.06 23 36 1-10
TEH VI 26 20 56 43.9 32.38N 48.82E 15–29 3.3L ¶615297901
DSN VI 26 20 56 52.2–2.0 31.61N 49.11E 10 3.4L
ISC Event type ke.
TEH Error ellipse: s-maj=1.6km s-min=2.2km az=-1.0.
DSN Error ellipse: s-maj=26.0km s-min=8.8km az=3.0.
TEH VI 28 18 21 40.8 31.53N 49.90E 12–19 3.6L
¶615387290
TEH Error ellipse: s-maj=1.2km s-min=1.1km az=-1.0.

(348) Northern and central Iran.

ISC I 03 04 47 59.7–.99 36.43N–.03 53.66E–.04 12–8 95 0-8
TEH I 03 04 47 59.1 36.42N 53.64E 8–21 3.5L ¶612728026
AZER I 03 04 48 02.0–.83 36.71N 53.67E 10 3.5L
ISC Event type ke.
TEH Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0.
AZER Error ellipse: s-maj=10.6km s-min=6.3km az=36.0.
ISC I 06 08 22 02.2–.77 31.99N–.03 50.90E–.03 10 3.4b 48 0-45
TEH I 06 08 21 59.8 31.99N 50.89E 5 3.1L ¶610236822
IDC I 06 08 21 59.5–2.1 31.89N 50.65E 0 3.7,3.4b
ISC Event type ke.
TEH Error ellipse: s-maj=0.9km s-min=1.2km az=-1.0.
IDC Error ellipse: s-maj=44.3km s-min=25.7km az=13.0.
ISC I 07 12 27 21.8–1.1 35.92N–.03 53.34E–.02 9–9 45 0-5
TEH I 07 12 27 21.3 35.92N 53.34E 8–28 3.3L ¶615390965
AZER I 07 12 27 24.5–1.6 34.09N 48.57E 10 3.3L
ISC Event type ke.
TEH Error ellipse: s-maj=1.2km s-min=1.1km az=-1.0.
AZER Error ellipse: s-maj=84.0km s-min=11.5km az=87.0.
ISC I 07 20 34 12.6–.79 30.38N–.03 50.67E–.04 10 3.8b 63 0-35
IDC I 07 20 34 06.2–8.5 29.84N 50.40E 0 3.7,3.7b ¶610236922
TEH I 07 20 34 12.5 30.40N 50.68E 9–27 3.5L,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=156.5km s-min=40.4km az=11.0.
TEH Error ellipse: s-maj=1.2km s-min=1.6km az=-1.0.
ISC I 09 09 25 43.0–.63 31.52N–.03 56.18E–.03 10 3.6b 74 1-69
IDC I 09 09 25 41.0–1.4 31.31N 56.37E 0 3.6,3.6b ¶610237015
TEH I 09 09 25 41.8 31.51N 56.20E 8–40 4.0L,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=25.1km s-min=22.0km az=89.0.
TEH Error ellipse: s-maj=1.2km s-min=1.2km az=-1.0.
TEH I 11 11 02 37.9 30.65N 50.90E 8–34 3.5L
¶615391487
TEH Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0.
ISC I 11 11 25 17.4–.88 36.97N–.04 54.00E–.04 10 44 0-7
TEH I 11 11 25 17.3 36.91N 54.04E 8–33 3.0L ¶612728028
AZER I 11 11 25 23.0–1.9 36.77N 53.28E 2 3.0L
ISC Event type ke.
TEH Error ellipse: s-maj=1.9km s-min=1.7km az=-1.0.
AZER Error ellipse: s-maj=48.8km s-min=12.9km az=32.0.
ISC I 20 02 18 30.8–.83 30.08N–.04 50.70E–.05 10 99 1-13
TEH I 20 02 18 30.8 30.12N 50.69E 11–22 3.3L ¶615296424
OMAN I 20 02 18 34.7–.62 29.79N 50.98E 1–29 5.6,5.5b
ISC Event type ke.
TEH Error ellipse: s-maj=1.2km s-min=1.8km az=-1.0.
OMAN Error ellipse: s-maj=57.6km s-min=6.2km az=337.0.
ISC I 25 04 07 11.5–.64 36.63N–.04 51.88E–.03 7 3.3b 125 0-81
TEH I 25 04 07 10.8 36.60N 51.90E 13–47 3.6L ¶610235295
IDC I 25 04 07 11.6–2.6 36.90N 51.79E 0 3.5,3.5b
AZER I 25 04 07 14.2–.01 36.66N 51.19E 10 3.5,3.5b
ISC Event type ke.
TEH Error ellipse: s-maj=2.6km s-min=1.4km az=-1.0.
IDC Error ellipse: s-maj=58.1km s-min=17.8km az=1.0.
AZER Error ellipse: s-maj=0.3km s-min=0.2km az=29.0.
TEH I 26 05 54 37.1 30.04N 57.60E 11–34 3.9L
¶615392572
TEH Error ellipse: s-maj=1.8km s-min=2.1km az=-1.0.
TEH I 26 06 36 01.7 30.02N 57.61E 13–32 3.6L
¶615392574
TEH Error ellipse: s-maj=1.6km s-min=1.7km az=-1.0.
ISC I 26 07 48 15.7–.50 30.59N–.05 50.24E–.04 25 3.7b 94 0-97
IDC I 26 07 48 11.9–.98 30.67N 50.21E 0 3.9,3.9b ¶610235371
TEH I 26 07 48 15.5 30.78N 50.36E 11–18 3.9L,3.9b
ISC Event type ke.
IDC Error ellipse: s-maj=22.9km s-min=15.5km az=170.0.
TEH Error ellipse: s-maj=1.1km s-min=1.3km az=-1.0.
ISC I 27 06 57 49.8–1.1 30.72N–.03 50.34E–.04 26–8 3.5b 119 0-86
IDC I 27 06 57 46.2–1.4 30.70N 50.17E 0 3.8L,3.7 ¶610235441
TEH I 27 06 57 49.5 30.77N 50.34E 9–23 3.5L,3.7
OMAN I 27 06 57 56.4–.06 30.53N 50.63E 10–1 4.7b,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=32.3km s-min=21.0km az=171.0.
TEH Error ellipse: s-maj=1.0km s-min=1.3km az=-1.0.
OMAN Error ellipse: s-maj=1.5km s-min=1.1km az=20.0.
ISC I 28 22 28 41.1–.69 36.08N–.04 53.74E–.04 10 3.5b 117 0-43
IDC I 28 22 28 38.8–1.9 35.96N 53.60E 0 3.7,3.6b ¶610235597
TEH I 28 22 28 39.3 36.08N 53.74E 8–21 3.7L,3.6b
AZER I 28 22 28 42.8–.02 36.36N 53.39E 18–8 3.7L,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=30.6km s-min=17.6km az=9.0.
TEH Error ellipse: s-maj=0.9km s-min=0.9km az=-1.0.
AZER Error ellipse: s-maj=16.3km s-min=0.7km az=311.0.
TEH II 05 20 39 06.8 30.14N 59.75E 8–93 3.7L
¶615392695
TEH Error ellipse: s-maj=2.0km s-min=2.7km az=-1.0.
ISC II 08 05 31 48.9–1.1 35.92N–.03 53.09E–.02 5–9 3.2b 129 0-81
IDC II 08 05 31 47.0–2.5 35.79N 52.93E 0 3.5,3.4b ¶610415091
TEH II 08 05 31 48.8 35.90N 53.09E 8–12 3.9L,3.4b
AZER II 08 05 31 52.3–.98 36.12N 53.06E 10 3.9L,3.4b
ISC Event type ke.
IDC Error ellipse: s-maj=37.4km s-min=19.0km az=8.0.
TEH Error ellipse: s-maj=0.7km s-min=0.6km az=-1.0.
AZER Error ellipse: s-maj=15.3km s-min=7.9km az=48.0.
ISC II 08 05 35 39.1–1.2 35.92N–.03 53.08E–.02 1–11 81 0-7
TEH II 08 05 35 38.7 35.90N 53.09E 8–20 3.5L ¶612728040
AZER II 08 05 35 39.7–4.5 35.87N 53.05E 10 3.5L
ISC Event type ke.
TEH Error ellipse: s-maj=1.2km s-min=0.9km az=-1.0.
AZER Error ellipse: s-maj=74.0km s-min=31.0km az=56.0.
TEH II 10 17 28 44.2 30.04N 57.77E 8–64 3.7L
¶615386076
TEH Error ellipse: s-maj=1.9km s-min=2.6km az=-1.0.
ISC II 13 02 27 09.8–.72 36.93N–.04 55.06E–.03 15 91 0-9
TEH II 13 02 27 08.6 36.81N 55.20E 6–42 3.5L ¶612728045
AZER II 13 02 27 11.0–.21 37.00N 54.71E 10 3.5L
ISC Event type ke.
TEH Error ellipse: s-maj=1.0km s-min=1.1km az=-1.0.
AZER Error ellipse: s-maj=4.4km s-min=2.8km az=24.0.
TEH II 20 03 05 28.4 30.79N 56.58E 5 3.5L
¶615386113
TEH Error ellipse: s-maj=0.8km s-min=1.7km az=-1.0.
ISC II 28 16 29 25.8–.38 30.44N–.03 50.69E–.03 25 4.2b 231 0-96
NEIC II 28 16 29 24.2–1.6 30.39N–.09 50.62E–.10 10–1 4.3b ¶610241906
TEH II 28 16 29 24.8 30.43N 50.62E 15–21 4.1L
GII II 28 16 29 26.5–.00 30.37N 50.60E 10 4.1L
SGS II 28 16 29 26.8 30.57N 50.56E 12 4.3L
IDC II 28 16 29 27.1–2.2 30.33N 50.60E 39–19 3.9,3.8b
DSN II 28 16 29 29.0–2.7 30.13N 50.89E 10 4.0L,3.8b
OMAN II 28 16 29 30.3–.20 30.29N 50.90E 10–9 4.9b,3.8b
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=16.7km s-min=12.8km az=217.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TEH Error ellipse: s-maj=1.2km s-min=1.6km az=-1.0.
GII Event type ke.
IDC Error ellipse: s-maj=18.7km s-min=12.5km az=3.0.
DSN Error ellipse: s-maj=30.4km s-min=9.1km az=119.0.
OMAN Error ellipse: s-maj=6.3km s-min=3.4km az=11.0.
ISC III 08 15 22 57.8–.78 36.40N–.03 53.68E–.03 10 59 0-8
TEH III 08 15 22 58.1 36.36N 53.70E 9–18 3.1L ¶612724862
AZER III 08 15 23 03.6–1.6 36.64N 53.34E 10 3.1L
ISC Event type ke.
TEH Error ellipse: s-maj=1.0km s-min=1.3km az=-1.0.
AZER Error ellipse: s-maj=21.7km s-min=13.8km az=42.0.
ISC III 12 19 08 10.8–.58 36.82N–.04 54.86E–.04 15 3.3b 176 1-77
TEH III 12 19 08 08.9 36.73N 54.84E 9–23 4.1L ¶610546091
IDC III 12 19 08 08.5–1.5 36.68N 54.87E 0 3.6,3.3b
NNC III 12 19 08 13.4–6.7 37.02N 54.80E 12–35 3.7b,3.3b
AZER III 12 19 08 16.1–.63 36.66N 54.38E 121–42 3.7b,3.3b
ISC Event type se.
TEH Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0.
IDC Error ellipse: s-maj=28.8km s-min=11.8km az=180.0.
NNC Event type se. Error ellipse: s-maj=33.5km s-min=23.6km az=79.0.
AZER Error ellipse: s-maj=12.7km s-min=5.7km az=52.0.
ISC III 13 08 05 14.8–1.2 36.36N–.04 53.28E–.04 35 74 0-7
TEH III 13 08 05 13.9 36.32N 53.27E 22–18 3.8L ¶612724869
AZER III 13 08 05 19.9–1.1 36.54N 52.83E 22 3.8L
ISC Event type ke.
TEH Error ellipse: s-maj=1.6km s-min=1.1km az=-1.0.
AZER Error ellipse: s-maj=13.6km s-min=7.7km az=59.0.
ISC III 13 16 53 05.4–.58 30.42N–.03 50.80E–.04 19 3.8b 91 1-48
IDC III 13 16 53 02.0–1.6 30.36N 50.66E 0 3.7,3.7b ¶610546155
TEH III 13 16 53 04.7 30.43N 50.76E 9–24 3.4L,3.7b
OMAN III 13 16 53 09.7–1.1 30.19N 51.05E 20 3.7b,2.8s
ISC Event type ke.
IDC Error ellipse: s-maj=30.3km s-min=24.0km az=175.0.
TEH Error ellipse: s-maj=1.0km s-min=1.4km az=-1.0.
OMAN Error ellipse: s-maj=9.4km s-min=7.6km az=12.0.
TEH III 15 16 05 06.7 34.71N 50.80E 8–42 3.6L
¶615386290
TEH Error ellipse: s-maj=1.3km s-min=1.6km az=-1.0.
ISC III 18 23 10 50.6–.98 36.86N–.05 55.32E–.03 24 61 0-8
TEH III 18 23 10 48.4 36.79N 55.36E 6–50 3.5L ¶612724870
AZER III 18 23 10 49.2–.11 36.48N 55.06E 49–315 3.5L
ISC Event type ke.
TEH Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0.
AZER Error ellipse: s-maj=4.5km s-min=3.0km az=281.0.
ISC III 20 09 17 14.1–.61 36.70N–.04 53.15E–.03 10 3.6b 125 1-81
TEH III 20 09 17 12.7 36.60N 53.16E 7–42 4.1L ¶610543320
IDC III 20 09 17 14.4–1.9 36.73N 53.06E 0 4.0,3.9L
NNC III 20 09 17 18.2–1.7 37.29N 53.11E 0 3.7b,3.9L
AZER III 20 09 17 20.7–.71 36.91N 52.77E 10 3.7b,3.9L
ISC Event type se.
TEH Error ellipse: s-maj=1.8km s-min=1.4km az=-1.0.
IDC Error ellipse: s-maj=31.1km s-min=14.0km az=179.0.
NNC Event type se. Error ellipse: s-maj=15.6km s-min=7.5km az=30.0.
AZER Error ellipse: s-maj=8.3km s-min=5.2km az=47.0.
ISC III 21 13 51 26.6–.71 36.98N–.04 51.08E–.04 10 80 0-29
IDC III 21 13 51 20.6–8.0 36.73N 50.53E 0 3.9,3.8b ¶610543407
TEH III 21 13 51 26.4 37.00N 51.11E 22–36 3.7L,3.8b
AZER III 21 13 51 31.5–1.3 37.08N 50.96E 23 3.7L,3.8b
ISC Event type ke.
IDC Error ellipse: s-maj=115.8km s-min=37.6km az=48.0.
TEH Error ellipse: s-maj=3.0km s-min=1.6km az=-1.0.
AZER Error ellipse: s-maj=13.9km s-min=10.1km az=48.0.
ISC III 22 19 53 26.6–.45 36.87N–.04 54.27E–.04 10 4.0b,3.0s 231 1-96
TEH III 22 19 53 24.8 36.79N 54.25E 9–17 3.9L,3.0s ¶610424474
IDC III 22 19 53 24.5–.93 36.76N 54.30E 0 3.8,3.8b
MOS III 22 19 53 30.6–1.4 37.15N 54.33E 35 4.0b,3.8b
AZER III 22 19 53 31.2–.14 37.18N 53.56E 10–7 4.0b,3.8b
NEIC III 22 19 53 33.7–2.2 37.4N–.10 54.40E–.09 30–5 4.1b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 23 02 32 26.2–.68 37.25N–.04 56.82E–.04 10 3.5b 62 1-24
NNC III 23 02 32 22.9–1.4 37.45N 56.41E 0 3.7b ¶610543501
IDC III 23 02 32 23.5–3.1 36.96N 56.82E 0 3.6,3.4b
TEH III 23 02 32 24.1 37.19N 56.80E 6–36 3.5L,3.4b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=16.1km s-min=7.0km az=179.0.
IDC Error ellipse: s-maj=48.8km s-min=14.2km az=162.0.

TEH Error ellipse: s-maj=0.9km s-min=0.8km az=-1.0.
ISC III 31 12 05 37.7–.72 36.94N–.05 55.26E–.03 10 3.3b 69 0-23
IDC III 31 12 05 35.5–2.9 36.79N 55.07E 0 3.6,3.5L ¶610544047
AZER III 31 12 05 37.8–1.3 36.50N 55.05E 11 3.6,3.5L
TEH III 31 12 05 37.3 36.89N 55.27E 11–33 3.5L,3.5L
NNC III 31 12 05 40.1–5.7 37.46N 55.19E 0 3.9b,3.5L
ISC Event type se.
IDC Error ellipse: s-maj=42.9km s-min=21.0km az=13.0.
AZER Error ellipse: s-maj=37.2km s-min=11.0km az=19.0.
TEH Error ellipse: s-maj=1.8km s-min=1.4km az=-1.0.
NNC Event type se. Error ellipse: s-maj=57.0km s-min=32.5km az=33.0.
ISC IV 04 00 12 50.1–.49 31.74N–.04 60.09E–.03 13–2 4.5b,3.9s 426 0-100
IDC IV 04 00 12 46.5–.63 31.59N 60.22E 0 4.1,4.1b ¶610476804
TEH IV 04 00 12 46.8 31.73N 60.20E 8–39 4.7L,4.1b
MOS IV 04 00 12 47.8–1.2 31.78N 60.28E 10 4.8b,4.1b
THR IV 04 00 12 48.0–.95 31.77N 60.21E 15–9 4.6L,4.1b
NEIC IV 04 00 12 51.5–1.8 31.96N–.08 60.13E–.09 10–1 4.5b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 04 10 00 18.7–.36 31.70N–.04 60.18E–.04 15 4.3b,3.6s 234 0-88
MOS IV 04 10 00 15.8–1.1 31.64N 60.22E 8 4.5b,3.6s ¶610478106
TEH IV 04 10 00 15.9 31.76N 60.21E 6–16 4.5L,3.6s
IDC IV 04 10 00 16.4–.91 31.62N 60.17E 0 4.1,4.0b
NEIC IV 04 10 00 18.0–1.8 31.74N–.03 60.16E–.05 8–4 4.5b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 05 06 09 11.9–.27 35.81N–.02 60.43E–.02 12–1 6.0s,5.8b 2293 0-151
BJI IV 05 06 09 08.8–.00 35.83N 60.41E 5 6.4s,6.2 ¶614428763
TEH IV 05 06 09 08.5 35.85N 60.34E 6–54 6.0L,6.2
BGR IV 05 06 09 08.6 34.76N 60.42E 33 6.1,5.8b
IDC IV 05 06 09 10.0–.29 35.73N 60.39E 0 5.8s,5.5
THR IV 05 06 09 10.6–.55 35.79N 60.36E 14–8 6.0L,5.5
DSN IV 05 06 09 11.1–.44 35.93N 60.33E 15 5.6b,5.5
NEIC IV 05 06 09 12.5 35.91N 60.32E 12 5.6b,5.5
NEIC IV 05 06 09 12.2–2.2 35.78N–.05 60.44E–.06 13–1 6.1,6.0
GCMT IV 05 06 09 12.2–.10 35.81N 60.37E 12 6.0W,6.0
MOS IV 05 06 09 12.6–1.4 35.98N 60.52E 29 5.9b,5.8s
NEIC IV 05 06 09 12.2 35.85N 60.39E 10 5.9b,5.8s
NEIC IV 05 06 09 12.5 35.81N 60.44E 12 5.9b,5.8s
NNC IV 05 06 09 13.6–.50 36.28N 60.65E 0 6.0b,5.8s
ISC Event type ke. Moment Tensor Solution. NP1:ϕs100.70926°,δ47.59901°,λ86.50824°. NP2: ϕs285.87982°,δ42.51734°,λ93.81581°. Principal axes: T Plg86.3775°,Azm327.7390° ; N Plg2.5777°,Azm103.0654°; P Plg2.5434°,Azm193.1800°
TEH Error ellipse: s-maj=1.7km s-min=4.1km az=-1.0.
BGR Event type ke.
IDC Error ellipse: s-maj=8.6km s-min=7.1km az=3.0.
THR Error ellipse: s-maj=3.9km s-min=8.0km az=-1.0.
DSN Error ellipse: s-maj=8.9km s-min=5.3km az=111.0.
NEIC Event type se. Moment Tensor Solution.Duration: 6s0 Moment tensor: Scale 10^{18}Nm; Mrr1.22 Mθθ-0.86 Mϕϕ-0.36 Mrθ1.67 Mθϕ0.54 Mϕr-0.30 NP1:ϕs104.87000°,δ72.76000° ,λ79.84000°. NP2:ϕs316.04000°,δ19.94000°,λ119.62000°. Principal axes: T 2.1454,Plg61.0000°,Azm360.0000°; N -0.1295,Plg10.0000°,Azm108.0000° ; P -2.0159,Plg27.0000°,Azm203.0000° M0 2.08000×10^{18}
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=5.2km az=228.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; Mrr1.04 Mθθ-0.92 Mϕϕ-0.12 Mrθ0.28 Mθϕ0.50 Mϕr0.43 NP1:ϕs93.20000°,δ51.41000°,λ58.69000°. NP2:ϕs317.48000°,δ48.11000° ,λ123.07000°. Principal axes: T 1.2663,Plg66.0000°,Azm299.0000°; N -0.1057,Plg24.0000° ,Azm114.0000°; P -1.1607,Plg2.0000°,Azm205.0000° M0 1.22000×10^{18}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s153,c317; s162,c551; Duration: 2s5 Moment tensor: Scale 10^{18}Nm; Mrr1.17±.01 Mθθ-1.23±.01; Mϕϕ0.05±.01; Mrθ-0.04±.02; Mθϕ0.62±.01; Mϕr0.46±.02; Best double couple: NP1:ϕs312.00000°,δ53.00000° ,λ117.00000°. NP2:ϕs91.00000°,δ44.00000°,λ59.00000°. Principal axes: T 1.3490,Plg68.0000°,Azm281.0000°; N 0.1480,Plg21.0000°,Azm115.0000° ; P -1.4980,Plg5.0000°,Azm23.0000° M0 1.42300×10^{18}
MOS Error ellipse: s-maj=3.3km s-min=2.7km az=43.5.
NEIC Event type se.
NEIC Event type se.
NNC Event type se. Error ellipse: s-maj=4.5km s-min=2.8km az=174.0.
ISC IV 05 06 19 31.5–1.4 35.82N–.03 60.49E–.04 2–9 4.7b 104 0-92
IDC IV 05 06 19 30.7–.88 35.56N 60.49E 0 4.3,4.3b ¶610598303
TEH IV 05 06 19 31.5 35.76N 60.33E 6–69 4.6L,4.3b
NEIC IV 05 06 19 34.7–1.9 36.01N–.04 60.60E–.08 10–1 4.8b,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 05 06 24 29.3–1.2 35.84N–.03 60.47E–.06 11–8 4.1b 44 0-82
TEH IV 05 06 24 27.6 35.77N 60.40E 6–57 4.3L ¶610651968
IDC IV 05 06 24 27.4–1.4 35.58N 60.35E 0 4.1,4.0b
ISC Event type ke.
TEH Error ellipse: s-maj=2.0km s-min=5.2km az=-1.0.
IDC Error ellipse: s-maj=24.9km s-min=16.2km az=175.0.
ISC IV 05 06 30 45.0–1.0 35.77N–.03 60.40E–.05 10–7 29 0-25
TEH IV 05 06 30 43.6 35.75N 60.35E 6–28 3.8L ¶610651970
IDC IV 05 06 30 47.0–6.7 35.99N 60.53E 0 3.7,3.7b
ISC Event type ke.
TEH Error ellipse: s-maj=0.9km s-min=2.7km az=-1.0.
IDC Error ellipse: s-maj=93.0km s-min=20.2km az=22.0.
ISC IV 05 06 38 04.9–1.2 35.78N–.03 60.50E–.04 0–8 4.3b 256 0-127
TEH IV 05 06 38 03.8 35.75N 60.45E 6–56 4.6L ¶610483649
IDC IV 05 06 38 04.0–.70 35.56N 60.40E 0 4.3,4.2b
MOS IV 05 06 38 05.4–1.4 35.82N 60.75E 9 4.6b,4.2b
THR IV 05 06 38 06.5–.98 35.71N 60.39E 15 4.5L,4.2b
NEIC IV 05 06 38 08.7–1.9 35.96N–.08 60.62E–.03 10–2 4.1b,4.2b
NNC IV 05 06 38 10.6–.57 36.37N 60.73E 0 4.4b,4.2b
ISC Event type se.
TEH Error ellipse: s-maj=1.4km s-min=5.4km az=-1.0.
IDC Error ellipse: s-maj=15.6km s-min=11.4km az=19.0.
MOS Error ellipse: s-maj=6.1km s-min=3.8km az=51.9.
THR Error ellipse: s-maj=7.0km s-min=6.3km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=13.1km s-min=3.4km az=188.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=5.7km s-min=3.4km az=3.0.
ISC IV 05 06 43 52.6–1.1 35.88N–.03 60.38E–.05 15–7 3.8b 40 0-82
TEH IV 05 06 43 50.9 35.81N 60.31E 7–43 4.3L ¶610651974
IDC IV 05 06 43 50.7–1.8 35.71N 60.26E 0 4.5s,4.1
ISC Event type ke.
TEH Error ellipse: s-maj=1.7km s-min=4.6km az=-1.0.
IDC Error ellipse: s-maj=29.3km s-min=17.6km az=34.0.
ISC IV 05 06 56 12.6–1.3 35.81N–.03 60.45E–.06 13–9 32 0-82
IDC IV 05 06 56 04.6–5.3 35.00N 60.24E 0 3.5,3.4L ¶610651976
TEH IV 05 06 56 11.5 35.77N 60.35E 6–35 3.6L,3.4L
ISC Event type ke.
IDC Error ellipse: s-maj=90.1km s-min=38.3km az=3.0.
TEH Error ellipse: s-maj=1.1km s-min=3.2km az=-1.0.
ISC IV 05 07 07 25.5–1.5 35.79N–.03 60.50E–.07 3–11 3.7b 31 0-82
TEH IV 05 07 07 23.2 35.79N 60.52E 6–30 3.6L ¶610651978
IDC IV 05 07 07 23.2–2.3 35.56N 60.30E 0 3.8s,3.5
ISC Event type ke.
TEH Error ellipse: s-maj=1.7km s-min=5.3km az=-1.0.
IDC Error ellipse: s-maj=33.7km s-min=20.3km az=11.0.
TEH IV 05 07 26 13.1 35.80N 60.27E 6–44 3.5L
¶615386429
TEH Error ellipse: s-maj=1.4km s-min=3.4km az=-1.0.
ISC IV 05 07 32 41.5–1.3 35.79N–.03 60.40E–.06 5–10 3.9b 26 0-92
TEH IV 05 07 32 40.5 35.76N 60.34E 6–60 3.6L ¶610651981
IDC IV 05 07 32 41.6–2.3 35.84N 60.47E 0 4.5s,3.7
ISC Event type ke.
TEH Error ellipse: s-maj=2.1km s-min=4.7km az=-1.0.
IDC Error ellipse: s-maj=34.6km s-min=19.4km az=10.0.
ISC IV 05 07 46 13.7–3.9 35.1N–.40 59.8E–.20 35 8 3-83
IDC IV 05 07 46 07.7–3.6 34.88N 59.61E 0 3.5L,3.4 ¶610651982
ISC Event type ke.
IDC Error ellipse: s-maj=53.7km s-min=25.6km az=43.0.
ISC IV 05 07 47 29.9–.61 35.87N–.03 60.42E–.03 15–3 4.7b,4.2s 359 0-130
IDC IV 05 07 47 27.4–.65 35.76N 60.39E 0 4.4,4.3b ¶610483652
TEH IV 05 07 47 27.7 35.79N 60.35E 6–41 4.9L,4.3b
MOS IV 05 07 47 28.9–1.2 35.96N 60.53E 13 4.8b,4.3b
BJI IV 05 07 47 29.8–.00 35.94N 60.61E 7 5.2b,4.5b
NEIC IV 05 07 47 30.0–2.1 35.87N–.07 60.41E–.08 10–1 4.8b,4.5b
THR IV 05 07 47 31.1–.99 35.71N 60.37E 15 4.9L,4.5b
NNC IV 05 07 47 35.8–1.1 36.49N 60.55E 14–13 4.6b,4.5b
ISC Event type se.
IDC Error ellipse: s-maj=14.9km s-min=10.8km az=2.0.
TEH Error ellipse: s-maj=1.4km s-min=3.4km az=-1.0.
MOS Error ellipse: s-maj=5.2km s-min=4.0km az=56.9.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=9.0km az=219.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
THR Error ellipse: s-maj=8.3km s-min=6.6km az=-1.0.
NNC Event type se. Error ellipse: s-maj=15.3km s-min=6.6km az=45.0.
ISC IV 05 07 56 03.2–1.0 35.81N–.03 60.41E–.05 13–7 4.3s,3.7b 43 0-89
IDC IV 05 07 56 00.6–1.4 35.61N 60.36E 0 4.1s,3.8 ¶610651985
TEH IV 05 07 56 01.8 35.76N 60.36E 6–35 4.0L,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=24.9km s-min=18.6km az=29.0.
TEH Error ellipse: s-maj=1.1km s-min=4.0km az=-1.0.
ISC IV 05 09 39 46.4–1.2 35.84N–.03 60.45E–.05 14–7 3.8b 69 0-89
TEH IV 05 09 39 44.7 35.80N 60.39E 7–39 4.3L ¶610651989
IDC IV 05 09 39 44.2–1.1 35.74N 60.37E 0 4.0,4.0L
NNC IV 05 09 39 52.2–1.2 36.28N 60.33E 27–21 4.1b,4.0L
ISC Event type ke.
TEH Error ellipse: s-maj=1.7km s-min=4.9km az=-1.0.
IDC Error ellipse: s-maj=21.7km s-min=15.4km az=15.0.
NNC Event type se. Error ellipse: s-maj=27.4km s-min=7.9km az=39.0.
TEH IV 05 09 51 57.1 35.83N 60.27E 6–49 3.5L
¶615386449
TEH Error ellipse: s-maj=1.2km s-min=3.4km az=-1.0.
ISC IV 05 10 19 29.3–.91 35.79N–.03 60.35E–.05 14–6 32 0-25
IDC IV 05 10 19 26.7–2.7 35.59N 60.28E 0 3.5,3.4L ¶610651996
TEH IV 05 10 19 27.5 35.76N 60.29E 6–51 3.7L,3.4L
ISC Event type ke.
IDC Error ellipse: s-maj=31.9km s-min=18.0km az=12.0.
TEH Error ellipse: s-maj=1.4km s-min=3.3km az=-1.0.
ISC IV 05 10 58 53.6–1.6 35.84N–.03 60.32E–.05 0–15 25 0-25
TEH IV 05 10 58 52.2 35.86N 60.30E 6–38 3.5L ¶610652004
IDC IV 05 10 58 53.3–3.1 35.77N 60.28E 0 3.6b,3.1
ISC Event type ke.
TEH Error ellipse: s-maj=1.1km s-min=2.8km az=-1.0.
IDC Error ellipse: s-maj=37.1km s-min=21.0km az=17.0.
TEH IV 05 11 23 05.6 35.82N 60.26E 6–47 3.5L
¶615386461
TEH Error ellipse: s-maj=1.2km s-min=3.1km az=-1.0.
TEH IV 05 11 59 13.0 35.77N 60.33E 6–50 3.9L
¶615386467
TEH Error ellipse: s-maj=1.4km s-min=4.0km az=-1.0.
ISC IV 05 12 37 43.8–1.0 35.83N–.03 60.39E–.05 9–7 36 0-82
TEH IV 05 12 37 42.7 35.80N 60.31E 8–24 3.7L ¶610652009
IDC IV 05 12 37 44.5–2.5 35.93N 60.43E 0 3.9s,3.6b
ISC Event type ke.
TEH Error ellipse: s-maj=1.2km s-min=3.1km az=-1.0.
IDC Error ellipse: s-maj=34.4km s-min=16.8km az=14.0.
ISC IV 05 12 59 28.9–1.6 35.77N–.03 60.56E–.07 4–12 3.6b 37 0-82
TEH IV 05 12 59 27.0 35.75N 60.49E 6–29 3.9L ¶610652011
IDC IV 05 12 59 28.3–2.0 35.64N 60.41E 0 3.7b,3.6
ISC Event type ke.
TEH Error ellipse: s-maj=1.0km s-min=4.0km az=-1.0.
IDC Error ellipse: s-maj=33.2km s-min=17.0km az=29.0.
ISC IV 05 13 19 46.7–1.1 35.79N–.04 60.44E–.07 13–6 3.8b 21 0-82
IDC IV 05 13 19 41.5–2.4 35.31N 60.16E 0 3.4,3.4b ¶615386471
TEH IV 05 13 19 45.6 35.76N 60.39E 8–26 3.7L,3.4b
ISC Event type ke.
IDC Error ellipse: s-maj=36.9km s-min=23.7km az=25.0.
TEH Error ellipse: s-maj=1.2km s-min=3.6km az=-1.0.
ISC IV 05 13 25 58.3–1.2 35.85N–.03 60.50E–.05 10–8 3.8b 85 0-89
TEH IV 05 13 25 57.0 35.76N 60.42E 6–64 4.3L ¶610652014
IDC IV 05 13 25 58.1–1.2 35.87N 60.41E 0 3.8,3.7b
NNC IV 05 13 26 02.6–.77 36.28N 60.72E 4–5 4.0b,3.7b
ISC Event type se.
TEH Error ellipse: s-maj=2.2km s-min=6.0km az=-1.0.
IDC Error ellipse: s-maj=22.3km s-min=13.8km az=25.0.
NNC Event type se. Error ellipse: s-maj=7.9km s-min=3.7km az=12.0.
ISC IV 05 13 51 29.5–1.4 35.77N–.03 60.42E–.06 3–11 3.7b 41 0-82
TEH IV 05 13 51 27.6 35.74N 60.45E 6–41 4.0L ¶610652015
IDC IV 05 13 51 31.9–1.9 35.94N 60.37E 0 3.5,3.5b
ISC Event type ke.
TEH Error ellipse: s-maj=1.4km s-min=3.9km az=-1.0.
IDC Error ellipse: s-maj=23.6km s-min=16.1km az=5.0.
ISC IV 05 15 36 46.4–1.0 35.87N–.03 60.43E–.05 13–7 3.9b 91 0-89
TEH IV 05 15 36 44.8 35.78N 60.33E 6–62 4.4L ¶610652020
IDC IV 05 15 36 44.7–1.0 35.73N 60.32E 0 3.9,3.9b
NNC IV 05 15 36 52.8–1.5 36.42N 60.59E 17–12 4.0b,3.9b
ISC Event type se.
TEH Error ellipse: s-maj=2.0km s-min=4.3km az=-1.0.
IDC Error ellipse: s-maj=19.4km s-min=13.2km az=12.0.
NNC Event type se. Error ellipse: s-maj=14.1km s-min=9.0km az=18.0.
TEH IV 05 16 39 57.8 35.82N 60.36E 17–51 2.8L
¶615386495
TEH Error ellipse: s-maj=2.1km s-min=4.3km az=-1.0.
ISC IV 05 17 08 13.7–.54 35.85N–.03 60.49E–.03 8–3 4.4b,3.8s 343 0-98
TEH IV 05 17 08 11.3 35.79N 60.38E 7–29 4.8L,3.8s ¶611832228
IDC IV 05 17 08 12.1–.77 35.72N 60.40E 0 4.2,4.2L
MOS IV 05 17 08 13.1–1.3 36.05N 60.57E 10 4.5b,4.2L
THR IV 05 17 08 13.1–.58 35.78N 60.37E 15 4.8L,4.2L
NEIC IV 05 17 08 16.0–1.9 36.1N–.10 60.52E–.08 10–1 4.4b,4.2L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 05 17 54 07.6–1.4 35.80N–.03 60.44E–.05 4–10 3.7b 42 0-82
TEH IV 05 17 54 05.7 35.82N 60.44E 8–23 3.8L ¶610652024
IDC IV 05 17 54 06.1–1.4 35.60N 60.37E 0 3.8b,3.7
ISC Event type ke.
TEH Error ellipse: s-maj=1.4km s-min=4.2km az=-1.0.
IDC Error ellipse: s-maj=26.6km s-min=18.5km az=176.0.
ISC IV 05 20 07 25.7–.45 35.84N–.02 60.36E–.03 11–2 5.0b,4.2s 1222 0-143
BGR IV 05 20 07 16.7 33.10N 60.16E 33 4.9b,3.9s ¶610505784
TEH IV 05 20 07 23.8 35.79N 60.35E 7–37 5.2L,3.9s
IDC IV 05 20 07 23.6–.39 35.64N 60.33E 0 4.7,4.7b
DSN IV 05 20 07 25.4–.71 35.89N 60.34E 5 4.9b,4.7b
THR IV 05 20 07 25.5–.77 35.79N 60.38E 15 5.5L,4.7b
NEIC IV 05 20 07 25.8–1.9 35.80N–.07 60.43E–.07 10–1 5.1b,4.7b
GCMT IV 05 20 07 26.8–.20 35.84N–.01 60.40E–.02 17–1 5.0W,4.7b
MOS IV 05 20 07 26.1–1.3 35.87N 60.49E 25 5.3b,4.7b
BJI IV 05 20 07 28.5–.00 35.85N 61.00E 10 5.1b,4.8b
NNC IV 05 20 07 31.8–1.2 36.43N 60.62E 16–10 5.2b,4.8b
ISC Event type se.
BGR Event type ke.

TEH Error ellipse: s-maj=1.3km s-min=4.3km az=-1.0.
IDC Error ellipse: s-maj=10.7km s-min=8.3km az=3.0.
DSN Error ellipse: s-maj=11.8km s-min=6.2km az=79.0.
THR Error ellipse: s-maj=5.4km s-min=4.1km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=10.0km az=2.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s36,c40; s87,c134;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}2.31±.16 $M_{\theta\theta}$-3.53±.12; $M_{\phi\phi}$1.22±.10; $M_{r\theta}$1.15±.26; $M_{\theta\phi}$0.53±.07; $M_{\phi r}$1.94±.38; Best double couple: NP1:ϕ_s64.00000°,δ64.00000°,λ50.00000°. NP2:ϕ_s307.00000°,δ47.00000°,λ143.00000°. Principal axes: T 3.9830,Plg52.0000° ,Azm285.0000°; N -0.2300,Plg36.0000°,Azm85.0000°; P -3.7540,Plg10.0000° ,Azm182.0000° $M_0$3.86900×10^{16}
MOS Error ellipse: s-maj=3.4km s-min=3.2km az=123.1.
NNC Event type se. Error ellipse: s-maj=12.3km s-min=7.2km az=27.0.
ISC IV 05 20 48 39.7–.89 35.77N–.03 60.27E–.06 10 26 0-25
TEH IV 05 20 48 37.6 35.83N 60.39E 7–51 3.4L ¶610652026
IDC IV 05 20 48 37.2–5.1 35.41N 59.96E 0 3.3L,3.1
ISC Event type ke.
TEH Error ellipse: s-maj=2.4km s-min=6.8km az=-1.0.
IDC Error ellipse: s-maj=74.4km s-min=24.8km az=36.0.
ISC IV 05 23 02 31.0–.84 35.77N–.03 60.43E–.06 10 36 1-25
IDC IV 05 23 02 24.8–3.4 35.24N 59.97E 0 3.4,3.2b ¶615386523
TEH IV 05 23 02 29.9 35.80N 60.43E 6–66 3.6L,3.2b
ISC Event type ke.
IDC Error ellipse: s-maj=40.5km s-min=22.8km az=28.0.
TEH Error ellipse: s-maj=1.3km s-min=3.4km az=-1.0.
TEH IV 05 23 17 31.6 35.83N 60.38E 6–50 3.5L
¶615386525
TEH Error ellipse: s-maj=1.3km s-min=3.1km az=-1.0.
ISC IV 06 02 22 15.8–1.1 35.83N–.03 60.39E–.05 13–7 3.6b 50 0-82
IDC IV 06 02 22 13.8–1.4 35.66N 60.22E 0 3.7,3.6b ¶610652040
TEH IV 06 02 22 14.2 35.80N 60.36E 6–52 4.1L,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=23.6km s-min=15.8km az=169.0.
TEH Error ellipse: s-maj=1.8km s-min=4.2km az=-1.0.
TEH IV 06 07 55 09.1 35.84N 60.28E 6–32 3.5L
¶615386557
TEH Error ellipse: s-maj=1.0km s-min=2.4km az=-1.0.
TEH IV 06 09 11 46.3 35.78N 60.44E 8–29 3.7L
¶615386563
TEH Error ellipse: s-maj=1.3km s-min=4.3km az=-1.0.
ISC IV 06 11 51 06.4–1.4 35.90N–.04 60.51E–.05 5–9 3.9b,3.2s 110 0-91
TEH IV 06 11 51 05.3 35.81N 60.40E 7–29 4.2L,3.2s ¶610514473
IDC IV 06 11 51 05.3–1.1 35.69N 60.37E 0 3.8,3.7b
MOS IV 06 11 51 09.0–1.8 35.89N 60.43E 33 4.5b,3.7b
NNC IV 06 11 51 14.3–2.1 36.60N 60.77E 0 4.0b,3.7b
ISC Event type se.
TEH Error ellipse: s-maj=1.4km s-min=4.2km az=-1.0.
IDC Error ellipse: s-maj=22.5km s-min=13.8km az=28.0.
MOS Error ellipse: s-maj=10.5km s-min=7.0km az=72.1.
NNC Event type se. Error ellipse: s-maj=23.7km s-min=7.9km az=3.0.
TEH IV 06 12 09 41.3 30.04N 57.63E 9–72 3.9L
¶615386570
TEH Error ellipse: s-maj=3.1km s-min=3.0km az=-1.0.
ISC IV 06 18 40 25.6–1.4 35.83N–.03 60.54E–.06 5–10 3.6b 39 0-82
TEH IV 06 18 40 24.2 35.78N 60.51E 6–32 3.8L ¶610652098
IDC IV 06 18 40 24.6–2.3 35.64N 60.46E 0 4.3s,3.6b
ISC Event type ke.
TEH Error ellipse: s-maj=1.4km s-min=4.9km az=-1.0.
IDC Error ellipse: s-maj=40.7km s-min=24.4km az=28.0.
ISC IV 06 21 47 13.4–.78 30.64N–.03 54.99E–.03 10 85 1-13
TEH IV 06 21 47 13.2 30.67N 55.02E 9–37 3.7L ¶615297135
DSN IV 06 21 47 17.6–1.3 30.68N 54.95E 60 3.7L
OMAN IV 06 21 47 21.3–2.3 30.35N 55.06E 10–29 4.5b,3.8L
ISC Event type ke.
TEH Error ellipse: s-maj=1.7km s-min=1.7km az=-1.0.
DSN Error ellipse: s-maj=41.0km s-min=8.9km az=67.0.
OMAN Error ellipse: s-maj=22.0km s-min=17.9km az=22.0.
ISC IV 07 13 11 33.2–.46 35.82N–.03 60.48E–.04 10 3.9b,3.0s 111 0-89
TEH IV 07 13 11 31.6 35.78N 60.43E 6–68 4.2L,3.0s ¶610652156
IDC IV 07 13 11 32.0–.99 35.65N 60.40E 0 3.8,3.8b
NEIC IV 07 13 11 35.3–2.1 35.84N–.05 60.62E–.10 10–2 4.2b,3.8b
NNC IV 07 13 11 36.7–1.9 36.06N 60.99E 0 4.0b,3.8b
ISC Event type se.
TEH Error ellipse: s-maj=2.4km s-min=6.8km az=-1.0.
IDC Error ellipse: s-maj=20.4km s-min=13.6km az=21.0.
NEIC Event type se. Error ellipse: s-maj=13.7km s-min=9.1km az=267.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=19.9km s-min=5.9km az=4.0.
ISC IV 08 09 00 56.8–1.0 35.78N–.03 60.47E–.05 10–7 4.0b 57 0-82
IDC IV 08 09 00 54.5–1.7 35.45N 60.57E 0 3.7,3.7b ¶610652214
NNC IV 08 09 00 56.5–2.5 35.75N 60.35E 22–25 3.9b,3.7b
TEH IV 08 09 00 56.0 35.77N 60.32E 6–27 4.2L,3.7b
ISC Event type se.
IDC Error ellipse: s-maj=31.2km s-min=18.3km az=168.0.
NNC Event type se. Error ellipse: s-maj=40.2km s-min=13.3km az=37.0.
TEH Error ellipse: s-maj=0.9km s-min=2.3km az=-1.0.
TEH IV 08 10 46 05.8 33.45N 57.05E 9–16 3.5L
¶615386629
TEH Error ellipse: s-maj=0.8km s-min=1.0km az=-1.0.
ISC IV 11 02 18 54.3–.93 35.83N–.03 60.41E–.06 12–6 3.4b 34 0-57
IDC IV 11 02 18 52.0–1.7 35.68N 60.39E 0 3.5,3.5b ¶610652420
NNC IV 11 02 18 52.2–7.2 36.30N 55.12E 0 3.4b,3.5b
TEH IV 11 02 18 53.9 35.81N 60.36E 8–23 3.2L,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=25.3km s-min=18.9km az=169.0.
NNC Event type se. Error ellipse: s-maj=61.4km s-min=35.8km az=8.0.
TEH Error ellipse: s-maj=1.2km s-min=3.9km az=-1.0.
ISC IV 11 05 16 23.6–.51 30.83N–.03 56.55E–.04 10 4.0b,3.0s 155 0-87
IDC IV 11 05 16 20.8–1.2 30.56N 56.59E 0 4.0,3.9b ¶610652429
TEH IV 11 05 16 21.0 30.81N 56.59E 5–25 4.3L,3.9b
NEIC IV 11 05 16 24.7–1.4 30.81N–.09 56.6E–.10 10–2 4.1b,3.9b
OMAN IV 11 05 16 25.9–.48 30.74N 56.49E 10 5.4b,4.4L
DSN IV 11 05 16 26.8–1.1 30.67N 56.85E 15 4.1L,4.4L
ISC Event type se.
IDC Error ellipse: s-maj=27.1km s-min=19.4km az=151.0.
TEH Error ellipse: s-maj=1.4km s-min=1.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=19.4km s-min=14.0km az=285.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
OMAN Error ellipse: s-maj=10.9km s-min=8.1km az=239.0.
DSN Error ellipse: s-maj=53.6km s-min=9.0km az=92.0.
ISC IV 11 14 11 27.1–1.0 35.86N–.03 60.44E–.05 12–7 3.6b 54 0-82
IDC IV 11 14 11 26.0–1.3 35.68N 60.34E 0 3.6,3.6b ¶610652462
TEH IV 11 14 11 25.8 35.78N 60.31E 6–38 3.8L,3.6b
NNC IV 11 14 11 31.9–5.2 36.39N 60.65E 0 3.8b,3.6b
ISC Event type se.
IDC Error ellipse: s-maj=24.3km s-min=16.1km az=19.0.
TEH Error ellipse: s-maj=1.2km s-min=3.2km az=-1.0.
NNC Event type se. Error ellipse: s-maj=54.4km s-min=16.7km az=4.0.
ISC IV 11 18 48 23.1–.44 35.88N–.03 60.46E–.04 10 3.8b 126 1-82
TEH IV 11 18 48 20.6 35.81N 60.40E 6–86 4.0L ¶610526850
IDC IV 11 18 48 22.0–1.2 35.73N 60.37E 0 3.8,3.8b
MOS IV 11 18 48 25.3–1.6 36.09N 60.53E 20 4.2b,3.8b
NNC IV 11 18 48 27.4–3.8 36.43N 60.69E 0 4.0b,3.8b
ISC Event type se.
TEH Error ellipse: s-maj=2.0km s-min=5.4km az=-1.0.
IDC Error ellipse: s-maj=24.2km s-min=14.4km az=21.0.
MOS Error ellipse: s-maj=8.9km s-min=6.4km az=94.0.
NNC Event type se. Error ellipse: s-maj=31.1km s-min=15.2km az=171.0.
ISC IV 12 09 37 33.4–.96 35.87N–.03 60.41E–.05 16–7 3.8b 44 0-57
IDC IV 12 09 37 31.1–1.7 35.57N 60.24E 0 3.8,3.7b ¶610652541
TEH IV 12 09 37 32.1 35.84N 60.32E 8–27 3.9L,3.7b
NNC IV 12 09 37 35.2–3.5 36.23N 60.64E 0 3.8b,3.7b
ISC Event type se.
IDC Error ellipse: s-maj=24.7km s-min=17.4km az=176.0.
TEH Error ellipse: s-maj=1.3km s-min=4.0km az=-1.0.
NNC Event type se. Error ellipse: s-maj=36.8km s-min=10.8km az=4.0.
ISC IV 12 17 12 01.0–.59 35.92N–.03 60.46E–.05 10 3.7b 55 1-82
IDC IV 12 17 12 00.7–1.5 35.75N 60.25E 0 3.7b,3.6 ¶610652569
TEH IV 12 17 12 00.9 35.86N 60.30E 6–91 3.8L,3.6
NNC IV 12 17 12 08.5–2.4 36.64N 60.68E 0 3.8b,3.6
ISC Event type se.
IDC Error ellipse: s-maj=25.5km s-min=16.5km az=2.0.
TEH Error ellipse: s-maj=2.1km s-min=4.3km az=-1.0.
NNC Event type se. Error ellipse: s-maj=20.7km s-min=9.2km az=171.0.
ISC IV 12 22 50 40.9–.78 35.82N–.03 60.45E–.06 10 28 1-15
TEH IV 12 22 50 41.7 35.79N 60.32E 8–33 3.4L ¶612037512
NNC IV 12 22 50 42.0–6.0 36.01N 60.65E 0 3.2b
ISC Event type se.
TEH Error ellipse: s-maj=0.9km s-min=2.2km az=-1.0.
NNC Event type se. Error ellipse: s-maj=59.8km s-min=22.1km az=9.0.
ISC IV 14 05 05 56.2–.58 35.82N–.03 60.48E–.05 10 3.6b 54 0-94
IDC IV 14 05 05 53.5–1.9 35.42N 60.54E 0 3.7,3.6b ¶610528007
TEH IV 14 05 05 55.5 35.78N 60.46E 7–26 3.9L,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=38.5km s-min=18.0km az=167.0.
TEH Error ellipse: s-maj=1.1km s-min=3.4km az=-1.0.
ISC IV 16 11 48 19.0–1.1 35.87N–.03 60.45E–.06 20–4 27 0-13
TEH IV 16 11 48 18.3 35.82N 60.26E 6–38 3.2L ¶612037664
NNC IV 16 11 48 25.9–1.8 36.50N 60.81E 0 3.3b
ISC Event type se.
TEH Error ellipse: s-maj=1.1km s-min=2.8km az=-1.0.
NNC Event type se. Error ellipse: s-maj=22.9km s-min=9.2km az=1.0.
TEH IV 20 05 40 15.3 30.50N 57.28E 7–57 3.8L
¶615386764
TEH Error ellipse: s-maj=1.3km s-min=1.6km az=-1.0.
ISC IV 21 22 37 35.5–.70 35.81N–.03 60.46E–.05 10 3.4b 45 1-57
TEH IV 21 22 37 32.7 35.81N 60.46E 6–60 3.9L ¶610653226
IDC IV 21 22 37 34.3–1.8 35.70N 60.33E 0 3.5,3.5b
ISC Event type ke.
TEH Error ellipse: s-maj=1.8km s-min=5.8km az=-1.0.
IDC Error ellipse: s-maj=23.8km s-min=16.5km az=175.0.
ISC IV 22 09 19 13.1–.76 35.45N–.03 59.57E–.04 10 34 0-56
IDC IV 22 09 19 11.8–1.6 35.25N 59.45E 0 3.7,3.7b ¶610653254
TEH IV 22 09 19 12.1 35.45N 59.55E 8–23 3.3L,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=21.6km s-min=18.9km az=159.0.
TEH Error ellipse: s-maj=1.0km s-min=1.1km az=-1.0.
ISC IV 22 09 22 42.0–.75 35.47N–.03 59.58E–.04 10 3.9b 36 0-56
TEH IV 22 09 22 39.4 35.44N 59.56E 7–45 3.8L ¶610653255
IDC IV 22 09 22 40.6–1.4 35.31N 59.40E 0 3.8,3.8b
ISC Event type ke.
TEH Error ellipse: s-maj=1.0km s-min=1.8km az=-1.0.
IDC Error ellipse: s-maj=22.0km s-min=18.2km az=52.0.
TEH IV 23 08 41 27.3 35.81N 60.48E 7–30 3.6L
¶615386790
TEH Error ellipse: s-maj=2.2km s-min=5.2km az=-1.0.
ISC IV 23 23 32 52.2–.75 35.85N–.04 60.39E–.06 10 3.7b 33 1-34
TEH IV 23 23 32 49.6 35.84N 60.45E 6–762 3.6L ¶610649841
IDC IV 23 23 32 51.1–2.5 35.69N 60.38E 0 3.7b,3.5
ISC Event type ke.
TEH Error ellipse: s-maj=2.0km s-min=4.6km az=-1.0.
IDC Error ellipse: s-maj=34.6km s-min=18.7km az=11.0.
ISC IV 24 11 09 12.1–.70 36.95N–.04 53.05E–.03 10 3.2b 91 1-44
IDC IV 24 11 09 06.8–4.7 36.75N 52.54E 0 3.8L,3.6 ¶610649883
TEH IV 24 11 09 11.6 36.93N 53.09E 9–55 3.9L,3.6
AZER IV 24 11 09 16.6–1.7 37.19N 52.66E 15–155 3.9L,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=77.6km s-min=33.5km az=61.0.
TEH Error ellipse: s-maj=2.2km s-min=1.7km az=-1.0.
AZER Error ellipse: s-maj=335.6km s-min=19.4km az=309.0.
ISC IV 24 15 18 17.0–.58 37.29N–.04 56.69E–.03 10 3.8b 75 1-80
TEH IV 24 15 18 15.4 37.25N 56.72E 6–177 3.7L ¶610649900
IDC IV 24 15 18 15.1–1.8 37.24N 56.47E 0 3.8,3.4b
NNC IV 24 15 18 17.2–1.9 37.63N 56.43E 0 4.0b,3.4b
NEIC IV 24 15 18 17.8–.57 37.30N–.08 56.7E–.10 10–2 4.0b,3.4b
ISC Event type se.
NNC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TEH IV 27 11 20 15.5 35.94N 53.36E 13–14 3.5L
¶615386818
TEH Error ellipse: s-maj=0.9km s-min=1.1km az=-1.0.
TEH IV 29 17 31 14.0 34.04N 59.73E 7–27 3.5L
¶615386843
TEH Error ellipse: s-maj=1.7km s-min=3.3km az=-1.0.
ISC V 01 21 03 26.4–.48 30.03N–.03 51.97E–.03 8 3.6b 139 0-49
IDC V 01 21 03 25.5–1.2 30.06N 51.97E 0 3.6,3.6b ¶610689341
TEH V 01 21 03 26.9 30.11N 52.02E 8–41 3.9L,3.6b
SGS V 01 21 03 29.7 30.28N 52.06E 14 4.2L,3.6b
OMAN V 01 21 03 31.9–1.0 29.79N 52.30E 8 4.5b,3.9L
DSN V 01 21 03 33.0–1.9 29.66N 52.11E 15 3.7L,3.9L
ISC Event type ke.
IDC Error ellipse: s-maj=26.3km s-min=15.5km az=177.0.
TEH Error ellipse: s-maj=1.0km s-min=1.4km az=-1.0.
OMAN Error ellipse: s-maj=12.3km s-min=6.5km az=26.0.
DSN Error ellipse: s-maj=28.4km s-min=9.2km az=17.0.
ISC V 02 21 12 10.7–.38 35.78N–.02 60.60E–.02 9–2 5.0b,4.6s 991 1-151
TEH V 02 21 12 07.0 35.75N 60.48E 6–53 5.3L,4.6s ¶610592376
IDC V 02 21 12 08.8–.49 35.65N 60.54E 0 4.7,4.6b
THR V 02 21 12 10.7–.86 35.71N 60.43E 15 5.3L,4.6b
GCMT V 02 21 12 10.1–.10 35.66N–.01 60.58E–.01 12 5.1W,4.6b
BJI V 02 21 12 11.7–.00 35.82N 60.92E 7 5.2s,5.0b
NEIC V 02 21 12 11.1–1.2 35.83N–.06 60.57E–.07 10–1 5.1b,5.0b
MOS V 02 21 12 12.8–1.7 35.89N 60.74E 33 5.2b,4.4s
NNC V 02 21 12 15.8–2.5 36.43N 60.91E 0 5.3b,4.4s
ISC Event type se.
TEH Error ellipse: s-maj=1.4km s-min=4.4km az=-1.0.
IDC Error ellipse: s-maj=12.2km s-min=9.6km az=13.0.
THR Error ellipse: s-maj=6.2km s-min=4.6km az=-1.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s56,c87; s118,c197;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}3.83±.13 $M_{\theta\theta}$-2.23±.14; $M_{\phi\phi}$-1.60±.12; $M_{r\theta}$-1.62±.36; $M_{\theta\phi}$5.52±.10; $M_{\phi r}$2.57±.31; Best double couple: NP1:ϕ_s336.00000°,δ64.00000°,λ121.00000°. NP2:ϕ_s102.00000°,δ39.00000°,λ43.00000°. Principal axes: T 4.9550,Plg59.0000° ,Azm291.0000°; N 3.2140,Plg28.0000°,Azm142.0000°; P -8.1680,Plg14.0000°,Azm44.0000° $M_0$6.56200×10^{16}
NEIC Event type se. Error ellipse: s-maj=11.0km s-min=8.8km az=211.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=3.8km s-min=3.5km az=110.4.
NNC Event type se. Error ellipse: s-maj=30.0km s-min=10.6km az=9.0.
ISC V 03 01 06 02.5–1.3 35.78N–.03 60.54E–.06 12–9 3.6b 56 0-82
IDC V 03 01 05 59.7–2.4 35.47N 60.32E 0 3.6,3.5b ¶610689423
TEH V 03 01 06 00.5 35.76N 60.49E 6–40 3.6L,3.5b
NNC V 03 01 06 12.6–2.2 36.45N 60.76E 32–20 3.9b,3.5b
ISC Event type se.
IDC Error ellipse: s-maj=36.3km s-min=18.8km az=14.0.

TEH Error ellipse: s-maj=1.7km s-min=6.1km az=-1.0.
NNC Event type se. Error ellipse: s-maj=23.0km s-min=10.7km az=3.0.
ISC V 03 06 23 45.6–1.3 35.84N–.04 60.50E–.04 11–8 3.8b 93 0-82
TEH V 03 06 23 43.6 35.75N 60.43E 6–58 4.4L **¶610669468**
IDC V 03 06 23 45.3–1.0 35.89N 60.46E 0 4.0,3.9b
NNC V 03 06 23 52.9–2.2 36.37N 60.77E 9–15 4.1b,3.9b
ISC Event type se.
TEH Error ellipse: s-maj=1.9km s-min=4.8km az=-1.0.
IDC Error ellipse: s-maj=21.0km s-min=13.0km az=180.0.
NNC Event type se. Error ellipse: s-maj=16.0km s-min=7.8km az=7.0.
TEH V 04 08 32 02.4 35.87N 60.41E 7–866 3.9L
¶615386893
TEH Error ellipse: s-maj=2.2km s-min=5.1km az=-1.0.
ISC V 05 05 40 58.2–1.6 35.76N–.03 60.54E–.05 3–11 3.6b 47 0-82
TEH V 05 05 40 58.7 35.73N 60.39E 8–46 3.6L **¶610689586**
IDC V 05 05 40 59.3–2.0 35.69N 60.49E 0 3.7,3.6b
NNC V 05 05 41 06.6–2.8 36.54N 60.88E 0 3.9b,3.6b
ISC Event type se.
TEH Error ellipse: s-maj=1.7km s-min=3.0km az=-1.0.
IDC Error ellipse: s-maj=34.4km s-min=17.2km az=10.0.
NNC Event type se. Error ellipse: s-maj=33.1km s-min=13.2km az=0.0.
ISC V 08 00 10 31.8–1.6 35.80N–.04 60.35E–.06 2–13 3.3b 31 0-66
TEH V 08 00 10 30.7 35.78N 60.29E 6–72 3.7L **¶610689763**
IDC V 08 00 10 32.1–2.3 35.85N 60.41E 0 3.4b,3.3
ISC Event type ke.
TEH Error ellipse: s-maj=1.8km s-min=4.8km az=-1.0.
IDC Error ellipse: s-maj=31.1km s-min=20.2km az=8.0.
TEH V 08 19 45 34.3 35.81N 60.38E 6–61 3.5L
¶615386922
TEH Error ellipse: s-maj=1.9km s-min=5.8km az=-1.0.
ISC V 09 01 48 14.1–.52 31.19N–.04 57.20E–.05 10 4.0b 166 1-91
IDC V 09 01 48 11.3–.86 30.99N 57.25E 0 3.9,3.9b **¶610689861**
TEH V 09 01 48 11.7 31.22N 57.14E 9–28 4.7L,3.9b
THR V 09 01 48 12.9–.65 31.25N 57.16E 15–8 4.5L,3.9b
OMAN V 09 01 48 15.5–.59 31.27N 57.27E 10–11 4.2b,4.1L
ISC Event type ke.
IDC Error ellipse: s-maj=19.1km s-min=16.3km az=165.0.
TEH Error ellipse: s-maj=0.8km s-min=1.0km az=-1.0.
THR Error ellipse: s-maj=2.5km s-min=2.7km az=-1.0.
OMAN Error ellipse: s-maj=12.6km s-min=8.4km az=302.0.
TEH V 11 16 32 46.6 32.88N 52.50E 8–23 3.9L
¶615386944
TEH Error ellipse: s-maj=1.1km s-min=1.2km az=-1.0.
ISC V 14 19 24 34.5–.68 31.85N–.03 51.04E–.03 10 3.6b 42 0-38
IDC V 14 19 24 32.8–4.6 31.85N 50.92E 0 3.6,3.5b **¶610690294**
TEH V 14 19 24 34.4 31.86N 51.03E 9–22 3.5L,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=94.4km s-min=25.7km az=171.0.
TEH Error ellipse: s-maj=1.1km s-min=1.2km az=-1.0.
ISC V 16 04 47 54.1–.68 31.74N–.03 51.17E–.04 19 3.5b 46 0-49
IDC V 16 04 47 52.4–2.2 31.83N 50.95E 0 3.6,3.6b **¶610690384**
TEH V 16 04 47 52.0 31.78N 51.19E 6–36 3.3L,3.6b
DSN V 16 04 47 58.0–.84 31.68N 51.79E 15 3.3L,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=46.1km s-min=27.1km az=155.0.
TEH Error ellipse: s-maj=0.9km s-min=1.2km az=-1.0.
DSN Error ellipse: s-maj=59.1km s-min=6.6km az=55.0.
ISC V 18 14 37 01.3–.73 35.82N–.03 60.45E–.07 10 3.7b 31 1-52
TEH V 18 14 36 59.9 35.83N 60.56E 6–999 3.8L **¶610690600**
IDC V 18 14 37 00.5–2.3 35.50N 60.26E 0 3.5,3.5b
ISC Event type ke.
TEH Error ellipse: s-maj=2.7km s-min=5.4km az=-1.0.
IDC Error ellipse: s-maj=32.1km s-min=19.4km az=11.0.
ISC V 20 16 22 52.6–.33 35.59N–.03 58.35E–.03 10 4.5b,3.6s 291 1-93
MOS V 20 16 22 50.8–1.4 35.53N 58.41E 10 4.7b,3.6s **¶610645994**
IDC V 20 16 22 51.0–.62 35.51N 58.21E 0 4.2,4.2L
TEH V 20 16 22 51.3 35.57N 58.38E 7–40 4.6L,4.2L
DSN V 20 16 22 52.0–.86 35.68N 58.33E 2 4.2b,4.2L
THR V 20 16 22 53.4–.94 35.57N 58.37E 22–999 4.5L,4.2L
NEIC V 20 16 22 53.2–2.7 35.62N–.07 58.43E–.08 10–1 4.6b,4.2L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 21 04 06 05.5–.66 35.65N–.04 58.38E–.03 10 3.5b 56 1-63
TEH V 21 04 06 03.8 35.60N 58.36E 6–129 3.8L **¶610685062**
IDC V 21 04 06 04.6–1.6 35.57N 58.24E 0 3.6,3.5b
ISC Event type se.
TEH Error ellipse: s-maj=0.9km s-min=1.2km az=-1.0.
IDC Error ellipse: s-maj=27.0km s-min=19.2km az=130.0.
ISC V 21 19 52 01.0–.62 35.88N–.04 60.55E–.05 10 3.7b 52 1-82
TEH V 21 19 51 58.4 35.85N 60.50E 6–91 4.0L **¶610685100**
IDC V 21 19 51 59.1–1.1 35.67N 60.45E 0 3.7,3.7b
NNC V 21 19 52 01.7–1.8 36.07N 60.66E 0 3.9b,3.7b
ISC Event type se.
TEH Error ellipse: s-maj=2.0km s-min=5.0km az=-1.0.
IDC Error ellipse: s-maj=21.8km s-min=14.1km az=11.0.
NNC Event type se. Error ellipse: s-maj=17.5km s-min=6.0km az=6.0.
ISC V 25 07 47 07.1–.69 30.75N–.04 50.48E–.03 10 3.6b 51 0-83
IDC V 25 07 47 05.7–1.5 30.80N 50.27E 0 3.7,3.7b **¶610685342**
TEH V 25 07 47 07.8 30.79N 50.47E 11–21 3.6L,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=31.4km s-min=22.4km az=165.0.
TEH Error ellipse: s-maj=1.3km s-min=1.4km az=-1.0.
ISC V 28 05 52 50.8–1.6 35.77N–.03 60.56E–.07 9–11 3.5b 32 0-34
TEH V 28 05 52 49.5 35.75N 60.50E 6–66 3.7L **¶610685542**
IDC V 28 05 52 52.9–2.3 35.86N 60.48E 0 3.5,3.5b
ISC Event type ke.
TEH Error ellipse: s-maj=2.2km s-min=7.3km az=-1.0.
IDC Error ellipse: s-maj=33.5km s-min=17.3km az=2.0.
ISC V 28 23 07 15.1–.79 35.93N–.03 53.25E–.03 10 124 0-8
TEH V 28 23 07 14.0 35.92N 53.25E 8–12 4.0L **¶612724886**
AZER V 28 23 07 19.1–1.0 36.44N 53.43E 5 4.0L
ISC Event type ke.
TEH Error ellipse: s-maj=0.9km s-min=0.9km az=-1.0.
AZER Error ellipse: s-maj=15.0km s-min=8.1km az=32.0.
ISC VI 04 06 43 28.5–1.1 35.60N–.04 60.35E–.07 10 3.4s 23 0-61
TEH VI 04 06 43 24.6 35.57N 60.43E 6–856 3.5L **¶610791218**
IDC VI 04 06 43 29.0–6.1 35.68N 60.46E 0 3.7b,3.3s
ISC Event type ke.
TEH Error ellipse: s-maj=1.8km s-min=4.6km az=-1.0.
IDC Error ellipse: s-maj=88.8km s-min=22.9km az=27.0.
ISC VI 04 13 04 16.6–.99 30.56N–.04 50.60E–.04 10 38 0-8
TEH VI 04 13 04 16.2 30.62N 50.58E 8–33 3.5L **¶615297718**
DSN VI 04 13 04 21.6–1.0 30.27N 51.00E 10 3.3L
ISC Event type ke.
TEH Error ellipse: s-maj=1.1km s-min=1.4km az=-1.0.
DSN Error ellipse: s-maj=31.5km s-min=7.9km az=34.0.
ISC VI 04 13 14 31.9–.49 30.51N–.04 50.58E–.04 10 3.9b 79 0-89
IDC VI 04 13 14 29.7–1.8 30.46N 50.51E 0 3.8,3.8b **¶610791234**
TEH VI 04 13 14 32.2 30.63N 50.64E 8–39 3.7L,3.8b
NEIC VI 04 13 14 32.0–2.8 30.5N–.10 50.7E–.10 10–1 4.2b,3.8b
DSN VI 04 13 14 39.0–2.3 30.46N 51.34E 10 3.4L,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=34.9km s-min=19.6km az=16.0.
TEH Error ellipse: s-maj=1.2km s-min=1.4km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=19.6km s-min=15.8km az=356.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DSN Error ellipse: s-maj=94.8km s-min=17.0km az=39.0.
TEH VI 05 07 01 42.8 35.97N 50.17E 8–35 3.0L
AZER VI 05 07 01 41.1–.19 35.74N 47.29E 10 3.0L **¶615387158**
TEH Error ellipse: s-maj=0.8km s-min=1.4km az=-1.0.
AZER Error ellipse: s-maj=27.3km s-min=2.2km az=286.0.
ISC VI 06 18 12 30.2–.25 30.77N–.03 51.70E–.03 20–2 4.9b,3.9s 830 0-96
BGR VI 06 18 12 24.8 29.74N 52.65E 33 4.6b,3.6s **¶610758958**
IDC VI 06 18 12 27.7–.48 30.77N 51.70E 0 4.6,4.6b
TEH VI 06 18 12 27.6 30.84N 51.76E 8–41 4.7L,4.6b
NEIC VI 06 18 12 28.4–1.4 30.78N–.06 51.67E–.07 10–1 4.9b,4.6b
GII VI 06 18 12 29.3–.00 30.80N 51.73E 10 4.9b,4.6b
SGS VI 06 18 12 29.6 31.10N 51.82E 14 4.9L,4.6b
THR VI 06 18 12 29.7–.95 30.80N 51.80E 15 4.5L,4.6b
MOS VI 06 18 12 30.5–1.3 30.77N 51.60E 34 4.8b,4.6b
DSN VI 06 18 12 32.5–1.4 30.65N 51.93E 15 4.6L,4.6b
OMAN VI 06 18 12 33.1–.09 30.40N 51.57E 20–0 4.8b,3.7s
ISC Event type ke.
BGR Event type ke.
IDC Error ellipse: s-maj=11.4km s-min=9.6km az=178.0.
TEH Error ellipse: s-maj=1.1km s-min=1.3km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=10.1km az=178.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GII Event type ke.
THR Error ellipse: s-maj=3.1km s-min=2.9km az=-1.0.
MOS Error ellipse: s-maj=4.7km s-min=3.4km az=109.7.
DSN Error ellipse: s-maj=28.4km s-min=10.8km az=36.0.
OMAN Error ellipse: s-maj=0.9km s-min=0.5km az=234.0.
ISC VI 06 23 34 47.1–.63 35.63N–.04 58.38E–.04 10 3.5b 81 1-40
IDC VI 06 23 34 45.2–1.4 35.56N 58.06E 0 3.7,3.6L **¶610760922**
TEH VI 06 23 34 46.7 35.57N 58.34E 19–24 4.1L,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=20.6km s-min=17.2km az=11.0.
TEH Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0.
ISC VI 14 05 03 42.3–.66 35.90N–.03 52.93E–.03 10 3.1b 124 0-24
TEH VI 14 05 03 40.9 35.87N 52.97E 8–20 3.9L **¶610791829**
IDC VI 14 05 03 42.7–2.7 36.04N 52.79E 0 3.5L,3.4
AZER VI 14 05 03 47.4–.89 36.14N 52.78E 10 3.5L,3.4
ISC Event type ke.
TEH Error ellipse: s-maj=0.9km s-min=1.0km az=-1.0.
IDC Error ellipse: s-maj=33.5km s-min=22.2km az=10.0.
AZER Error ellipse: s-maj=10.5km s-min=6.3km az=38.0.
ISC VI 22 02 00 20.0–.51 36.17N–.04 53.97E–.04 10 4.0b,3.1s 214 0-70
IDC VI 22 02 00 17.4–1.3 35.83N 53.96E 0 4.0,3.9L **¶610789243**
TEH VI 22 02 00 18.3 36.19N 53.92E 8–23 4.6L,3.9L
NEIC VI 22 02 00 19.8–1.8 36.0N–.10 54.05E–.09 10–2 4.1b,3.9L
AZER VI 22 02 00 20.3–.14 36.03N 53.38E 6–6 4.1b,3.9L
NNC VI 22 02 00 26.9–8.9 36.52N 53.97E 12–48 4.1b,3.9L
ISC Event type se.
IDC Error ellipse: s-maj=25.3km s-min=13.5km az=179.0.
TEH Error ellipse: s-maj=1.0km s-min=0.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=18.1km s-min=11.7km az=175.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AZER Error ellipse: s-maj=21.3km s-min=1.4km az=317.0.
NNC Event type se. Error ellipse: s-maj=48.1km s-min=37.6km az=80.0.
TEH VI 25 07 37 59.7 34.44N 53.33E 11 3.5L
¶615387273
TEH Error ellipse: s-maj=0.6km s-min=1.1km az=-1.0.
TEH VI 26 02 49 41.8 35.50N 58.72E 6–999 3.6L
¶615387277
TEH Error ellipse: s-maj=2.4km s-min=2.9km az=-1.0.
TEH VI 27 20 00 57.3 34.82N 52.96E 8–26 3.5L
¶615387284
TEH Error ellipse: s-maj=0.7km s-min=1.2km az=-1.0.
ISC VI 28 04 22 01.3–.66 37.29N–.04 56.86E–.03 10 3.4b 54 1-56
IDC VI 28 04 21 59.7–2.1 37.27N 56.66E 0 3.3,3.3b **¶610789615**
TEH VI 28 04 22 01.0 37.28N 56.87E 7–31 3.6L,3.3b
NNC VI 28 04 22 01.7–.77 37.56N 56.59E 0 3.6b,3.3b
ISC Event type se.
IDC Error ellipse: s-maj=33.3km s-min=17.3km az=170.0.
TEH Error ellipse: s-maj=1.3km s-min=0.8km az=-1.0.
NNC Event type se. Error ellipse: s-maj=8.5km s-min=3.3km az=3.0.
ISC VI 30 22 08 21.5–.96 36.17N–.04 53.13E–.05 10 28 0-7
TEH VI 30 22 08 21.9 36.14N 53.15E 22–12 2.8L **¶612724897**
AZER VI 30 22 08 24.0–2.0 36.41N 52.75E 21–439 2.8L
ISC Event type ke.
TEH Error ellipse: s-maj=1.1km s-min=1.4km az=-1.0.
AZER Error ellipse: s-maj=825.9km s-min=38.7km az=315.0.

(349) Northwestern Afghanistan.

ISC II 16 10 44 48.4–1.4 35.4N–.10 64.49E–.07 10 3.6b,3.0s 34 6-88
IDC II 16 10 44 42.5–.91 35.08N 64.64E 0 3.6,3.6b **¶610217180**
NNC II 16 10 44 51.6–2.3 35.41N 64.53E 23–17 4.3,4.0b
ISC Event type se.
IDC Error ellipse: s-maj=22.0km s-min=14.0km az=19.0.
NNC Event type se. Error ellipse: s-maj=22.2km s-min=10.0km az=171.0.
ISC II 21 12 24 42.4–.85 35.37N–.07 64.48E–.07 10 3.9b 40 3-88
IDC II 21 12 24 41.0–1.7 35.24N 64.47E 0 3.8,3.8b **¶610384750**
TEH II 21 12 24 43.2 35.35N 64.20E 10 3.8L,3.8b
NNC II 21 12 24 48.1–16 35.36N 64.72E 159–288 3.6,2.9b
ISC Event type se.
IDC Error ellipse: s-maj=28.4km s-min=18.6km az=29.0.
TEH Error ellipse: s-maj=0.1km s-min=0.2km az=-1.0.
NNC Event type se. Error ellipse: s-maj=116.0km s-min=76.3km az=34.0.

(351) Eastern Arabian Peninsula.

ISC III 19 22 36 34.2–.62 29.92N–.05 47.99E–.04 10 3.5b 101 2-87
IDC III 19 22 36 34.8–1.5 30.08N 47.81E 0 3.6,3.6b **¶610546542**
TEH III 19 22 36 34.1 30.00N 47.98E 14–48 3.5L,3.6b
OMAN III 19 22 36 42.0–.42 29.47N 48.21E 10 5.7b,3.6b
DSN III 19 22 36 43.3–1.2 29.67N 48.53E 15 3.7L,3.6b
ISN III 19 22 36 45.2–2.7 30.77N 48.14E 18–17 3.6L,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=32.9km s-min=19.7km az=174.0.
TEH Error ellipse: s-maj=2.0km s-min=4.3km az=-1.0.
OMAN Error ellipse: s-maj=17.6km s-min=5.1km az=24.0.
DSN Error ellipse: s-maj=29.6km s-min=8.3km az=16.0.
ISN Error ellipse: s-maj=12.2km s-min=25.4km az=-1.0.
ISC IV 02 04 39 16.5–.49 29.98N–.03 47.97E–.03 10 3.9b 109 1-78
TEH IV 02 04 39 15.4 30.01N 47.95E 8–69 3.9L **¶610651742**
IDC IV 02 04 39 16.2–1.3 30.14N 47.85E 0 3.9L,3.8
NEIC IV 02 04 39 18.5–2.0 29.98N–.09 48.1E–.10 10–1 4.0b,3.8
ISN IV 02 04 39 18.4–1.1 29.98N 48.21E 10–999 3.7L,3.8
SGS IV 02 04 39 22.7 30.10N 48.05E 34 4.1L,3.8
DSN IV 02 04 39 23.3–1.2 30.15N 48.79E 10 3.8L,3.8
ISC Event type se.
TEH Error ellipse: s-maj=1.4km s-min=3.2km az=-1.0.
IDC Error ellipse: s-maj=29.3km s-min=18.4km az=175.0.
NEIC Event type se. Error ellipse: s-maj=17.7km s-min=13.4km az=229.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISN Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
DSN Error ellipse: s-maj=49.2km s-min=6.8km az=23.0.

(353) Southern Iran.

ISC I 01 21 07 25.6–.89 26.99N–.05 53.88E–.05 19 35 1-7
TEH I 01 21 07 26.7 27.09N 53.75E 13–195 2.8L **¶615296307**
OMAN I 01 21 07 27.2–1.2 26.94N 54.11E 13 5.0b,2.6L
ISC Event type ke.
TEH Error ellipse: s-maj=11.7km s-min=4.2km az=-1.0.
OMAN Error ellipse: s-maj=14.8km s-min=7.1km az=21.0.
ISC I 01 22 28 42.3–1.2 28.18N–.04 57.30E–.04 18–7 3.8b 158 0-90
IDC I 01 22 28 39.1–.80 28.11N 57.26E 0 3.9,3.9b **¶610236426**

TEH I 01 22 28 42.0 28.13N 57.32E 15–33 3.8L,3.9b
DSN I 01 22 28 42.6–1.2 27.99N 57.62E 10 3.7L,3.9b
OMAN I 01 22 28 43.9–1.2 28.03N 57.05E 5 5.2b,3.7L
ISC Event type ke.
IDC Error ellipse: s-maj=19.1km s-min=15.4km az=163.0.
TEH Error ellipse: s-maj=1.4km s-min=1.8km az=-1.0.
DSN Error ellipse: s-maj=28.9km s-min=11.5km az=125.0.
OMAN Error ellipse: s-maj=10.8km s-min=7.3km az=153.0.
ISC I 01 23 28 47.5–.67 26.93N–.04 53.75E–.04 19 3.4b 92 1-50
IDC I 01 23 28 45.5–3.0 27.16N 53.82E 0 3.5,3.5b **¶610236428**
TEH I 01 23 28 46.8 26.95N 53.73E 20–75 3.5L,3.5b
DSN I 01 23 28 47.6–1.4 26.97N 53.86E 10 3.0L,3.5b
OMAN I 01 23 28 54.6–.53 26.11N 53.79E 3–7 4.9b,2.7L
ISC Event type ke.
IDC Error ellipse: s-maj=68.8km s-min=31.7km az=157.0.
TEH Error ellipse: s-maj=2.0km s-min=2.0km az=-1.0.
DSN Error ellipse: s-maj=14.7km s-min=10.9km az=161.0.
OMAN Error ellipse: s-maj=11.4km s-min=4.3km az=338.0.
ISC I 02 00 29 40.8–.33 29.46N–.03 50.81E–.03 24 4.3b,4.3s 390 1-96
ISN I 02 00 29 39.5–1.3 29.54N 50.93E 15–437 4.4L,4.3s **¶609949340**
NEIC I 02 00 29 39.4–1.5 29.47N–.08 50.82E–.07 10–1 4.2b,4.3s
TEH I 02 00 29 39.5 29.57N 50.89E 11 4.3L,4.3s
MOS I 02 00 29 40.2–1.1 29.55N 50.82E 26 4.4b,4.3s
IDC I 02 00 29 42.4–3.3 29.55N 50.85E 30–23 4.2,4.1s
GII I 02 00 29 43.8–.00 29.45N 50.84E 10 4.2,4.1s
DSN I 02 00 29 45.1–1.0 29.46N 51.48E 10 4.6b,4.4L
OMAN I 02 00 29 47.5–.97 29.01N 50.95E 33 5.5b,4.6L
ISC Event type ke.
ISN Error ellipse: s-maj=301.7km s-min=441.2km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=13.6km s-min=9.9km az=198.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TEH Error ellipse: s-maj=1.0km s-min=1.7km az=-1.0.
MOS Error ellipse: s-maj=7.1km s-min=4.7km az=111.3.
IDC Error ellipse: s-maj=15.8km s-min=11.8km az=167.0.
GII Event type ke.
DSN Error ellipse: s-maj=13.9km s-min=9.4km az=65.0.
OMAN Error ellipse: s-maj=8.3km s-min=5.3km az=0.0.
ISC I 02 00 32 38.7–.54 29.47N–.04 50.86E–.05 24 4.0b 68 1-88
NEIC I 02 00 32 35.4–1.5 29.3N–.10 50.82E–.05 10–2 4.0b **¶610236430**
IDC I 02 00 32 36.2–2.3 29.59N 50.71E 0 4.3s,4.0
TEH I 02 00 32 38.9 29.55N 50.95E 9–30 3.6L,4.0
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=21.3km s-min=6.9km az=186.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=52.4km s-min=24.4km az=154.0.
TEH Error ellipse: s-maj=1.0km s-min=1.7km az=-1.0.
ISC I 02 00 38 13.4–.36 29.50N–.03 50.86E–.04 24 4.2b 312 1-88
IDC I 02 00 38 09.7–.76 29.43N 50.81E 0 4.1,4.1b **¶609949341**
ISN I 02 00 38 11.9–1.0 29.52N 50.84E 18–351 4.0L,4.1b
NEIC I 02 00 38 11.4–1.8 29.45N–.09 50.82E–.10 10–2 4.1b,4.1b
TEH I 02 00 38 12.9 29.52N 50.86E 19–24 4.2L,4.1b
MOS I 02 00 38 13.3–.92 29.48N 50.78E 40 4.4b,4.1b
OMAN I 02 00 38 17.2–.81 29.45N 51.14E 33 5.2b,4.2L
DSN I 02 00 38 17.1–1.1 29.37N 51.28E 10 3.9L,4.2L
ISC Event type se.
IDC Error ellipse: s-maj=17.0km s-min=12.6km az=161.0.
ISN Error ellipse: s-maj=245.7km s-min=351.7km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=17.7km s-min=10.6km az=219.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TEH Error ellipse: s-maj=1.3km s-min=2.2km az=-1.0.
MOS Error ellipse: s-maj=7.7km s-min=5.3km az=94.0.
OMAN Error ellipse: s-maj=8.7km s-min=6.1km az=33.0.
DSN Error ellipse: s-maj=20.7km s-min=10.1km az=44.0.
ISC I 02 00 42 08.3–.33 29.49N–.04 50.91E–.04 24 4.7s,4.3b 454 1-99
IDC I 02 00 42 04.1–.72 29.45N 50.80E 0 4.4s,4.3 **¶609949342**
ISN I 02 00 42 05.3–.98 29.43N 50.83E 17–362 4.4L,4.3
MOS I 02 00 42 06.2–1.1 29.46N 50.82E 25 4.6b,4.3
NEIC I 02 00 42 06.3–2.0 29.38N–.09 50.82E–.08 10–1 4.4b,4.3
TEH I 02 00 42 06.7 29.51N 50.85E 18–20 4.7L,4.3
THR I 02 00 42 07.4–.63 29.60N 50.92E 15 4.6L,4.3
DSN I 02 00 42 08.2–.58 29.47N 51.04E 10 4.9b,4.5L
GII I 02 00 42 08.8–.00 29.48N 50.87E 10 4.9b,4.5L
OMAN I 02 00 42 09.2–1.2 29.38N 51.16E 10 6.0b,4.9L
ISC Event type ke.
IDC Error ellipse: s-maj=15.7km s-min=11.9km az=165.0.
ISN Error ellipse: s-maj=256.7km s-min=358.1km az=-1.0.
MOS Error ellipse: s-maj=6.5km s-min=4.0km az=111.4.
NEIC Event type se. Error ellipse: s-maj=15.7km s-min=10.5km az=204.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TEH Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0.
THR Error ellipse: s-maj=9.6km s-min=2.3km az=-1.0.
DSN Error ellipse: s-maj=12.6km s-min=5.3km az=53.0.
GII Event type ke.
OMAN Error ellipse: s-maj=11.9km s-min=7.2km az=19.0.
ISC I 02 00 55 44.9–1.0 29.45N–.05 50.95E–.06 24 67 1-12
TEH I 02 00 55 44.2 29.54N 50.94E 11–20 3.3L **¶615296308**
DSN I 02 00 55 48.7–1.8 29.24N 51.14E 10 3.2L
OMAN I 02 00 55 55.0–1.2 28.50N 51.06E 10 4.7b
ISC Event type ke.
TEH Error ellipse: s-maj=1.1km s-min=1.7km az=-1.0.
DSN Error ellipse: s-maj=25.8km s-min=17.6km az=58.0.
OMAN Error ellipse: s-maj=9.7km s-min=8.7km az=20.0.
ISC I 02 06 43 04.1–.56 29.55N–.05 50.92E–.05 24 4.3b 108 1-88
IDC I 02 06 43 00.8–1.8 29.61N 50.72E 0 3.9,3.9b **¶610236444**
TEH I 02 06 43 02.2 29.53N 50.92E 14–33 3.7L,3.9b
SGS I 02 06 43 02.1 29.85N 51.03E 21 3.6L,3.9b
NEIC I 02 06 43 02.9–1.6 29.65N–.08 50.8E–.10 10–2 4.5b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 03 14 14 14.9–.71 27.02N–.05 54.67E–.04 18 3.5s,3.5b 53 1-90
DSN I 03 14 14 04.2–1.5 27.69N 54.25E 10 3.2L,3.5b **¶610236565**
TEH I 03 14 14 14.0 26.99N 54.72E 12–18 3.4L,3.5b
IDC I 03 14 14 19.0–3.9 26.86N 54.64E 76–48 3.6,3.3s
ISC Event type ke.
DSN Error ellipse: s-maj=28.9km s-min=10.5km az=29.0.
TEH Error ellipse: s-maj=1.0km s-min=0.8km az=-1.0.
IDC Error ellipse: s-maj=28.9km s-min=25.2km az=177.0.
ISC I 04 06 42 17.2–3.1 26.6N–.20 55.11E–.08 10–14 43 1-9
DSN I 04 06 42 15.6–1.5 26.63N 55.07E 10 2.9L **¶615316396**
OMAN I 04 06 42 21.4–.11 26.30N 55.14E 10 5.2b,2.9L
ISC Event type ke.
DSN Error ellipse: s-maj=17.8km s-min=8.3km az=6.0.
OMAN Error ellipse: s-maj=2.4km s-min=1.1km az=20.0.
ISC I 04 17 57 51.7–1.3 28.41N–.04 57.34E–.06 43 47 1-7
TEH I 04 17 57 49.1 28.45N 57.25E 14–52 3.0L **¶615296329**
OMAN I 04 17 57 55.5–.42 28.10N 57.40E 28 4.4b,2.9L
ISC Event type ke.
TEH Error ellipse: s-maj=1.6km s-min=3.2km az=-1.0.
OMAN Error ellipse: s-maj=8.0km s-min=5.1km az=329.0.
ISC I 04 18 30 45.2–.74 29.79N–.03 56.94E–.03 10 3.2b 51 0-26
TEH I 04 18 30 43.3 29.84N 56.96E 8–35 3.3L **¶610236713**
DSN I 04 18 30 44.3–1.4 29.66N 54.58E 10 3.6L
IDC I 04 18 30 46.2–1.9 29.70N 56.83E 0 3.6L,3.4
ISC Event type ke.
TEH Error ellipse: s-maj=1.4km s-min=1.8km az=-1.0.
DSN Error ellipse: s-maj=65.2km s-min=9.1km az=79.0.

IDC Error ellipse: s-maj=38.0km s-min=29.0km az=82.0.
ISC I 05 19 12 45.2–.55 28.79N–.05 51.60E–.05 10 3.6b 77 0-95
TEH I 05 19 12 45.6 28.88N 51.53E 12–26 3.4L **¶610236790**
IDC I 05 19 12 49.4–2.8 28.72N 51.80E 43–28 3.7,3.5b
ISC Event type ke.
TEH Error ellipse: s-maj=0.9km s-min=0.9km az=-1.0.
IDC Error ellipse: s-maj=22.2km s-min=18.4km az=48.0.
ISC I 06 02 33 29.6–.53 28.16N–.02 53.15E–.02 16–3 5.3b,4.6s 1343 0-159
IDC I 06 02 33 26.6–.32 28.07N 53.19E 0 5.1,5.1b **¶614428398**
TEH I 06 02 33 27.9 28.16N 53.17E 8–45 5.0L,5.1b
THR I 06 02 33 27.7–1.3 28.08N 53.10E 15 4.9L,5.1b
GCMT I 06 02 33 28.2–.20 28.04N–.02 53.03E–.02 12 5.0W,5.1b
MOS I 06 02 33 29.1–.97 28.11N 53.11E 26 5.4b,4.2s
OMAN I 06 02 33 29.8–.13 28.15N 53.19E 10 6.3b,5.4L
GII I 06 02 33 29.1–.00 28.16N 53.11E 10 6.3b,5.4L
NEIC I 06 02 33 29.2–1.7 28.20N–.06 53.11E–.06 10–1 5.3b,5.0
DSN I 06 02 33 30.7–1.3 27.95N 53.06E 10 5.2L,5.0
NEIC I 06 02 33 36.1 28.31N 52.79E 24 5.2L,5.0
BGR I 06 02 33 50.8 29.27N 50.78E 33 5.1b,3.9s
ISC Event type ke.
IDC Error ellipse: s-maj=9.0km s-min=8.2km az=44.0.
TEH Error ellipse: s-maj=1.4km s-min=1.7km az=-1.0.
THR Error ellipse: s-maj=9.4km s-min=3.4km az=-1.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s41,c50; s115,c167;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}3.49±.07 $M_{\theta\theta}$-1.76±.09; $M_{\phi\phi}$-1.73±.08; $M_{r\theta}$0.16±.29; $M_{\theta\phi}$1.58±.06; $M_{\phi r}$1.12±.27; Best double couple: NP1:ϕ_s328.00000°,δ52.00000°,λ106.00000°. NP2:ϕ_s123.00000°,δ41.00000°,λ70.00000°. Principal axes: T 3.7630,Plg76.0000° ,Azm292.0000°; N -0.3690,Plg13.0000°,Azm138.0000°; P -3.3940,Plg6.0000°,Azm46.0000° $M_0$3.57900×10^{16}
MOS Error ellipse: s-maj=4.1km s-min=2.5km az=111.8.
OMAN Error ellipse: s-maj=5.0km s-min=3.1km az=247.0.
GII Event type ke.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=9.1km az=200.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DSN Error ellipse: s-maj=17.9km s-min=4.7km az=3.0.
NEIC Event type se. Moment Tensor Solution.Duration: 1s7 Moment tensor: Scale 10^{16}Nm; M_{rr}3.73 $M_{\theta\theta}$-1.63 $M_{\phi\phi}$-2.10 $M_{r\theta}$-0.19 $M_{\theta\phi}$2.55 $M_{\phi r}$-1.78 NP1:ϕ_s156.39000°,δ56.29000° ,λ113.52000°. NP2:ϕ_s298.28000°,δ40.29000°,λ59.11000°. Principal axes:
T 4.3786,Plg69.0000°,Azm117.0000°; N 0.2272,Plg19.0000°,Azm323.0000° ; P -4.6059,Plg8.0000°,Azm230.0000° $M_0$4.49000×10^{16}
BGR Event type ke.
ISC I 09 21 53 33.1–1.4 28.47N–.05 57.60E–.08 43 29 1-7
TEH I 09 21 53 30.9 28.51N 57.35E 8–77 2.7L **¶615296363**
OMAN I 09 21 53 33.6–.58 28.20N 57.67E 10–17 2.8L
ISC Event type ke.
TEH Error ellipse: s-maj=1.4km s-min=3.4km az=-1.0.
OMAN Error ellipse: s-maj=33.6km s-min=3.6km az=5.0.
ISC I 10 17 28 05.7–1.2 27.58N–.04 56.68E–.06 13–8 42 0-10
TEH I 10 17 28 05.4 27.59N 56.62E 15–33 2.9L **¶615296370**
DSN I 10 17 28 06.0–2.8 27.65N 56.62E 15 2.9L
OMAN I 10 17 28 11.7–.12 27.29N 56.97E 15 4.2b,3.7s
ISC Event type ke.
TEH Error ellipse: s-maj=2.4km s-min=3.1km az=-1.0.
DSN Error ellipse: s-maj=84.3km s-min=23.9km az=110.0.
OMAN Error ellipse: s-maj=2.1km s-min=1.4km az=21.0.
ISC I 13 10 07 18.0–1.2 27.46N–.03 57.91E–.04 27–13 64 1-11
DSN I 13 10 07 14.7–1.9 27.45N 58.43E 10 3.2L **¶615296383**
TEH I 13 10 07 17.3 27.53N 57.83E 6–28 3.5L
OMAN I 13 10 07 31.6–.09 26.57N 57.48E 7 2.9L,2.4s
ISC Event type ke.
DSN Error ellipse: s-maj=31.5km s-min=14.6km az=158.0.
TEH Error ellipse: s-maj=1.6km s-min=2.6km az=-1.0.
OMAN Error ellipse: s-maj=1.5km s-min=0.9km az=30.0.
ISC I 14 04 52 18.0–1.3 29.75N–.03 51.50E–.04 9–8 3.9b,2.9s 77 0-94
IDC I 14 04 52 16.1–1.2 29.53N 51.45E 0 3.9b,3.8 **¶610237336**
TEH I 14 04 52 17.0 29.76N 51.49E 5 3.9L,3.8
DSN I 14 04 52 23.4–1.5 29.34N 51.51E 32–24 3.5L,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=27.8km s-min=15.6km az=19.0.
TEH Error ellipse: s-maj=0.9km s-min=1.6km az=-1.0.
DSN Error ellipse: s-maj=24.3km s-min=4.7km az=0.0.
ISC I 17 03 50 26.2–1.5 28.28N–.04 57.24E–.04 13–11 3.6b 95 1-89
IDC I 17 03 50 22.8–1.6 28.18N 57.19E 0 3.7,3.7b **¶610237564**
TEH I 17 03 50 26.8 28.27N 57.24E 18–29 3.8L,3.7b
DSN I 17 03 50 27.8–3.4 28.20N 57.18E 10 3.1L,3.7b
OMAN I 17 03 50 28.3–2.0 28.37N 57.46E 33 5.1b,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=46.0km s-min=26.3km az=165.0.
TEH Error ellipse: s-maj=1.2km s-min=1.7km az=-1.0.
DSN Error ellipse: s-maj=113.7km s-min=26.4km az=119.0.
OMAN Error ellipse: s-maj=20.3km s-min=15.6km az=160.0.
ISC I 17 10 41 15.8–.76 29.60N–.03 51.54E–.03 19–2 4.8b,3.9s 619 0-99
IDC I 17 10 41 12.6–.53 29.58N 51.50E 0 4.3,4.3b **¶610098890**
MOS I 17 10 41 12.9–1.4 29.53N 51.60E 13 4.9b,4.3b
BGR I 17 10 41 13.5 29.41N 52.60E 33 4.8b,4.3b
THR I 17 10 41 14.2–1.2 29.59N 51.48E 15 4.6L,4.3b
TEH I 17 10 41 14.6 29.66N 51.50E 9–23 4.8L,4.3b
ISN I 17 10 41 14.9–.97 29.42N 51.41E 10–279 4.8L,4.3b
NEIC I 17 10 41 14.6–1.9 29.64N–.05 51.50E–.08 10–1 4.8b,4.3b
BJI I 17 10 41 14.0–.00 29.60N 51.60E 10 5.1b,4.6s
GII I 17 10 41 14.0–.00 29.58N 51.58E 10 5.1b,4.6s
DSN I 17 10 41 15.7–.52 29.65N 51.74E 10 4.9b,4.5L
OMAN I 17 10 41 17.4–1.3 29.53N 51.80E 10 6.0b,5.1L
GCMT I 17 10 41 18.6–.50 29.51N–.03 51.40E–.03 18–2 4.9W,5.1L
ISC Event type ke.
BGR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GII Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s9,c10; s70,c96;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-0.08±.16 $M_{\theta\theta}$-0.65±.13; $M_{\phi\phi}$0.72±.14; $M_{r\theta}$-0.15±.28; $M_{\theta\phi}$1.90±.13; $M_{\phi r}$-1.60±.43; Best double couple: NP1:ϕ_s171.00000°,δ88.00000°,λ143.00000°. NP2:ϕ_s263.00000°,δ53.00000°,λ3.00000°. Principal axes: T 2.7750,Plg27.0000° ,Azm120.0000°; N -0.4420,Plg53.0000°,Azm348.0000°; P -2.3330,Plg24.0000° ,Azm223.0000° $M_0$2.55400×10^{16}
ISC I 19 05 33 13.7–1.0 29.58N–.05 51.51E–.04 12–7 3.6b 52 0-34
IDC I 19 05 33 08.9–14 29.22N 51.68E 0 3.8b,3.7 **¶610237705**
TEH I 19 05 33 13.3 29.60N 51.52E 17–10 3.4L,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=286.5km s-min=46.0km az=4.0.
TEH Error ellipse: s-maj=0.9km s-min=1.1km az=-1.0.
ISC I 20 22 58 32.7–.57 29.62N–.03 51.51E–.03 13–3 4.6b,3.5s 494 0-98
IDC I 20 22 58 30.0–.62 29.58N 51.47E 0 4.1,4.1b **¶610104692**
ISN I 20 22 58 31.1–.62 29.46N 51.57E 11–558 4.3L,4.1b
MOS I 20 22 58 31.3–1.4 29.50N 51.64E 15 4.8b,4.1b
TEH I 20 22 58 32.5 29.67N 51.51E 11–12 4.3L,4.1b
SGS I 20 22 58 33.0 29.89N 51.53E 7 4.3L,4.1b
NEIC I 20 22 58 33.0–1.9 29.67N–.07 51.48E–.08 10–1 4.5b,4.1b
GII I 20 22 58 34.3–.00 29.65N 51.62E 10 4.5b,4.1b
DSN I 20 22 58 34.6–1.5 29.54N 51.57E 15 4.2L,4.1b
BJI I 20 22 58 35.0–.00 29.85N 51.80E 10 4.9b,4.5b
ISC Event type ke.
IDC Error ellipse: s-maj=14.2km s-min=11.5km az=172.0.
ISN Error ellipse: s-maj=334.2km s-min=598.7km az=-1.0.
MOS Error ellipse: s-maj=6.6km s-min=4.0km az=112.3.
TEH Error ellipse: s-maj=0.6km s-min=0.9km az=-1.0.

NEIC Event type se. Error ellipse: s-maj=12.4km s-min=11.8km az=167.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GII Event type ke.
DSN Error ellipse: s-maj=20.5km s-min=6.7km az=6.0.
ISC I 21 08 23 14.5–.32 29.14N–.03 56.55E–.03 35 4.4b,3.7s 370 1-122
BJI I 21 08 23 10.0–.00 29.18N 56.48E 13 4.9b,4.2b **¶610104773**
MOS I 21 08 23 12.6–1.1 29.03N 56.51E 38 4.7b,4.2b
TEH I 21 08 23 13.3 29.15N 56.61E 19–22 4.6L,4.2b
DSN I 21 08 23 15.7–1.9 29.04N 56.56E 10 4.8L,4.2b
NEIC I 21 08 23 16.8–2.1 29.21N–.04 56.51E–.07 54–5 4.5b,4.2b
IDC I 21 08 23 17.8–1.2 29.12N 56.53E 67–9 4.3,4.1b
OMAN I 21 08 23 18.1–.16 29.01N 56.54E 33 5.8b,5.0L
ISC Event type se.
MOS Error ellipse: s-maj=7.3km s-min=4.7km az=84.8.
TEH Error ellipse: s-maj=1.0km s-min=1.4km az=-1.0.
DSN Error ellipse: s-maj=29.2km s-min=15.0km az=75.0.
NEIC Event type se. Error ellipse: s-maj=8.9km s-min=5.1km az=74.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=11.8km s-min=10.1km az=110.0.
OMAN Error ellipse: s-maj=3.0km s-min=2.0km az=227.0.
ISC I 22 01 32 51.5–.64 26.89N–.05 59.99E–.06 10 3.7b 57 2-87
DSN I 22 01 32 48.1–2.1 26.72N 60.28E 10 3.1L **¶610235044**
IDC I 22 01 32 50.4–.95 26.98N 59.82E 0 3.8b,3.7
OMAN I 22 01 32 55.1–.41 26.68N 59.85E 10 5.3b,3.4L
ISC Event type ke.
DSN Error ellipse: s-maj=78.4km s-min=17.6km az=157.0.
IDC Error ellipse: s-maj=22.6km s-min=20.0km az=132.0.
OMAN Error ellipse: s-maj=6.3km s-min=4.9km az=41.0.
ISC I 24 04 05 28.5–.65 28.57N–.05 52.04E–.05 15 3.9b 46 1-58
IDC I 24 04 05 26.0–1.9 28.57N 52.03E 0 3.9b,3.8 **¶610235238**
TEH I 24 04 05 28.4 28.58N 52.07E 16–39 3.4L,3.8
DSN I 24 04 05 31.1–1.7 27.92N 51.70E 15 3.1L,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=50.8km s-min=21.5km az=148.0.
TEH Error ellipse: s-maj=2.3km s-min=2.0km az=-1.0.
DSN Error ellipse: s-maj=78.1km s-min=14.8km az=41.0.
ISC I 25 05 35 02.1–.66 28.41N–.04 57.02E–.05 31 3.8b 67 1-89
IDC I 25 05 34 54.5–3.6 28.12N 57.08E 0 3.9,3.9b **¶610235299**
TEH I 25 05 35 00.5 28.46N 57.03E 11–57 3.8L,3.9b
OMAN I 25 05 35 02.7–1.8 28.47N 56.97E 33 5.2b,3.8L
DSN I 25 05 35 03.0–2.1 27.83N 57.89E 10 3.5L,3.8L
ISC Event type ke.
IDC Error ellipse: s-maj=73.4km s-min=31.6km az=179.0.
TEH Error ellipse: s-maj=2.3km s-min=3.1km az=-1.0.
OMAN Error ellipse: s-maj=18.6km s-min=10.1km az=37.0.
DSN Error ellipse: s-maj=55.1km s-min=14.2km az=141.0.
ISC I 25 05 41 40.9–.30 28.47N–.03 56.99E–.03 10 4.8b,4.1s 435 1-120
DSN I 25 05 41 36.5–1.4 28.92N 57.07E 10 5.0L,4.1s **¶611831651**
BJI I 25 05 41 38.3–.00 28.50N 57.00E 5 5.0b,4.4b
MOS I 25 05 41 38.6–.99 28.36N 56.95E 11 4.9b,4.4b
NEIC I 25 05 41 41.7–2.9 28.57N–.08 56.9E–.10 10–1 4.9b,4.4b
TEH I 25 05 41 41.7 28.48N 57.03E 9–31 4.7L,4.4b
SGS I 25 05 41 43.9 28.63N 56.98E 7 4.7L,4.4b
THR I 25 05 41 43.5–.75 28.49N 56.92E 15–7 4.6L,4.4b
IDC I 25 05 41 45.5–2.3 28.33N 57.01E 54–20 4.5,4.2b
OMAN I 25 05 41 46.9–5.0 28.40N 56.91E 33 6.0b,4.9L
ISC Event type se.
DSN Error ellipse: s-maj=18.3km s-min=12.5km az=76.0.
MOS Error ellipse: s-maj=7.2km s-min=4.6km az=99.7.
NEIC Event type se. Error ellipse: s-maj=17.1km s-min=12.7km az=123.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TEH Error ellipse: s-maj=0.9km s-min=1.2km az=-1.0.
THR Error ellipse: s-maj=5.9km s-min=6.1km az=-1.0.
IDC Error ellipse: s-maj=13.8km s-min=9.2km az=142.0.
OMAN Error ellipse: s-maj=55.0km s-min=18.4km az=176.0.
ISC I 26 13 10 48.9–.85 29.15N–.03 56.68E–.08 10 32 0-5
TEH I 26 13 10 48.7 29.19N 56.55E 21–97 3.1L **¶615296472**
OMAN I 26 13 10 53.6–.14 28.82N 57.06E 12 3.5L
ISC Event type ke.
TEH Error ellipse: s-maj=1.3km s-min=4.6km az=-1.0.
OMAN Error ellipse: s-maj=10.3km s-min=2.1km az=283.0.
ISC I 26 23 49 37.6–.94 29.15N–.05 56.7E–.10 10 33 0-7
TEH I 26 23 49 36.8 29.19N 56.55E 12 2.9L **¶615296477**
OMAN I 26 23 49 43.7–.10 28.82N 56.72E 12 3.3L
ISC Event type ke.
TEH Error ellipse: s-maj=1.1km s-min=0.4km az=-1.0.
OMAN Error ellipse: s-maj=4.3km s-min=1.6km az=278.0.
ISC I 28 00 18 27.3–.43 29.19N–.03 56.55E–.05 10 4.0b,3.3s 193 0-91
NEIC I 28 00 18 26.4–1.3 29.25N–.07 56.27E–.09 10–1 4.1b,3.3s **¶610145102**
TEH I 28 00 18 29.4 29.17N 56.60E 17–27 4.2L,3.3s
OMAN I 28 00 18 31.7–.10 29.17N 56.56E 10–1 4.7b,4.5L
SGS I 28 00 18 31.4 29.36N 56.47E 7 3.7L,4.5L
IDC I 28 00 18 33.2–2.1 29.03N 56.57E 70–21 4.0,3.7b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.7km s-min=7.3km az=53.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TEH Error ellipse: s-maj=1.2km s-min=1.6km az=-1.0.
OMAN Error ellipse: s-maj=2.4km s-min=1.8km az=43.0.
IDC Error ellipse: s-maj=15.4km s-min=11.6km az=98.0.
ISC II 02 21 58 09.2–1.1 28.13N–.10 53.24E–.09 10 3.6b 14 0-45
IDC II 02 21 58 07.2–2.6 28.15N 53.04E 0 3.6,3.6b **¶610414699**
TEH II 02 21 58 11.5 28.46N 53.26E 6 2.8L,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=51.3km s-min=29.6km az=31.0.
TEH Error ellipse: s-maj=3.0km s-min=3.7km az=-1.0.
ISC II 03 15 33 50.4–.74 27.63N–.04 56.74E–.05 18 3.7b 59 0-53
TEH II 03 15 33 50.6 27.64N 56.75E 18–40 3.3L **¶610414747**
IDC II 03 15 33 52.8–5.7 28.10N 55.66E 0 3.6,3.6b
OMAN II 03 15 33 55.8–.50 27.26N 56.71E 10 5.5b,3.3L
ISC Event type ke.
TEH Error ellipse: s-maj=3.0km s-min=2.1km az=-1.0.
IDC Error ellipse: s-maj=112.6km s-min=47.7km az=121.0.
OMAN Error ellipse: s-maj=4.4km s-min=2.8km az=26.0.
ISC II 04 06 17 17.1–1.0 28.13N–.03 57.41E–.04 26–8 3.7b 81 0-59
IDC II 04 06 17 12.7–1.3 28.12N 57.30E 0 3.8,3.7b **¶610414788**
TEH II 04 06 17 16.1 28.18N 57.38E 18–37 3.5L,3.7b
OMAN II 04 06 17 19.5–.76 27.97N 57.27E 14–38 3.6L,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=28.3km s-min=22.7km az=142.0.
TEH Error ellipse: s-maj=2.1km s-min=2.0km az=-1.0.
OMAN Error ellipse: s-maj=72.1km s-min=5.7km az=9.0.
ISC II 09 13 15 26.6–.68 28.19N–.04 55.21E–.05 26 3.5b 58 1-89
IDC II 09 13 15 22.7–1.3 28.25N 55.22E 0 3.7,3.6b **¶610243788**
TEH II 09 13 15 26.6 28.25N 55.24E 28–36 3.6L,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=27.1km s-min=24.5km az=160.0.
TEH Error ellipse: s-maj=2.2km s-min=1.7km az=-1.0.
ISC II 09 16 56 37.1–.66 28.39N–.04 54.06E–.03 24 3.6b 78 0-89
IDC II 09 16 56 33.6–1.6 28.42N 53.90E 0 3.6,3.6L **¶610415184**
TEH II 09 16 56 37.5 28.35N 54.05E 21–34 3.2L,3.6L
OMAN II 09 16 56 38.6–.07 28.23N 54.08E 14 5.6b,3.2L
ISC Event type ke.
IDC Error ellipse: s-maj=33.1km s-min=27.7km az=7.0.
TEH Error ellipse: s-maj=0.9km s-min=1.6km az=-1.0.
OMAN Error ellipse: s-maj=1.7km s-min=1.4km az=32.0.
ISC II 15 15 37 26.8–.46 29.60N–.04 51.58E–.03 22–5 4.2b,3.1s 292 0-95
IDC II 15 15 37 23.1–.76 29.53N 51.54E 0 3.9,3.9b **¶610216922**
DSN II 15 15 37 23.4–3.7 29.82N 51.49E 10 3.9L,3.9b
NEIC II 15 15 37 24.7–1.4 29.62N–.08 51.57E–.05 10–1 4.0b,3.9b
TEH II 15 15 37 25.9 29.65N 51.53E 13–20 4.2L,3.9b
MOS II 15 15 37 26.5–1.5 29.39N 51.46E 37 4.3b,3.9b
OMAN II 15 15 37 30.1–.19 29.40N 51.80E 10 5.7b,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=17.0km s-min=13.6km az=8.0.
DSN Error ellipse: s-maj=44.1km s-min=11.0km az=173.0.
NEIC Event type se. Error ellipse: s-maj=14.3km s-min=6.8km az=339.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TEH Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0.
MOS Error ellipse: s-maj=9.5km s-min=6.0km az=115.0.
OMAN Error ellipse: s-maj=3.3km s-min=1.7km az=5.0.
ISC II 16 19 45 45.5–.57 28.12N–.03 55.72E–.04 22 3.6b 109 1-91
TEH II 16 19 45 45.7 28.08N 55.71E 24–30 3.8L **¶610415646**
IDC II 16 19 45 48.7–2.8 28.01N 55.74E 63–32 3.8,3.7L
OMAN II 16 19 45 53.9–.27 27.56N 55.58E 15–3 5.5b,3.4L
ISC Event type ke.
TEH Error ellipse: s-maj=0.9km s-min=1.3km az=-1.0.
IDC Error ellipse: s-maj=20.8km s-min=16.5km az=61.0.
OMAN Error ellipse: s-maj=6.2km s-min=1.4km az=12.0.
ISC II 17 23 51 24.5–2.9 26.33N–.04 53.61E–.04 8–20 3.4b 103 1-50
IDC II 17 23 51 23.2–1.5 26.33N 53.63E 0 3.6,3.5b **¶610415731**
TEH II 17 23 51 24.8 26.35N 53.63E 13–46 3.7L,3.5b
DSN II 17 23 51 26.1–.84 26.35N 53.58E 15 3.3L,3.5b
OMAN II 17 23 51 28.0–.52 26.23N 53.64E 18 5.9b,3.4L
ISC Event type ke.
IDC Error ellipse: s-maj=31.9km s-min=21.0km az=21.0.
TEH Error ellipse: s-maj=0.9km s-min=1.3km az=-1.0.
DSN Error ellipse: s-maj=13.1km s-min=7.0km az=9.0.
OMAN Error ellipse: s-maj=6.8km s-min=3.0km az=11.0.
ISC II 22 01 57 18.4–.91 27.95N–.03 57.72E–.04 33–4 3.7b,3.0s 146 0-88
DSN II 22 01 57 10.5–1.7 28.44N 57.83E 15 4.0L,3.0s **¶610384785**
IDC II 22 01 57 12.4–1.4 27.76N 57.82E 0 3.9b,3.8
TEH II 22 01 57 18.8 27.94N 57.71E 28–12 4.1L,3.8
OMAN II 22 01 57 21.8–.33 27.79N 57.58E 10–10 5.0b,3.8L
ISC Event type ke.
DSN Error ellipse: s-maj=23.6km s-min=16.3km az=122.0.
IDC Error ellipse: s-maj=33.1km s-min=22.8km az=163.0.
TEH Error ellipse: s-maj=1.3km s-min=1.6km az=-1.0.
OMAN Error ellipse: s-maj=5.6km s-min=3.0km az=25.0.
ISC II 23 01 57 21.8–1.3 26.99N–.03 56.19E–.04 10–11 59 0-9
OMAN II 23 01 57 20.7–.91 27.07N 56.21E 7 5.0b,4.6 **¶615296642**
TEH II 23 01 57 21.4 26.92N 56.20E 7–35 2.8L,4.6
DSN II 23 01 57 22.0–.52 26.99N 56.33E 10 3.1L,4.6
ISC Event type ke.
OMAN Error ellipse: s-maj=9.9km s-min=6.2km az=111.0.
TEH Error ellipse: s-maj=2.9km s-min=2.7km az=-1.0.
DSN Error ellipse: s-maj=19.6km s-min=4.2km az=100.0.
ISC II 24 03 47 59.7–.62 29.09N–.04 51.63E–.05 17 3.8b 66 0-88
IDC II 24 03 47 58.1–1.4 29.21N 51.42E 0 3.8,3.8b **¶610384916**
TEH II 24 03 47 59.0 29.11N 51.60E 7–36 3.5L,3.8b
ISC Event type ke.
IDC Error ellipse: s-maj=31.3km s-min=28.0km az=111.0.
TEH Error ellipse: s-maj=1.1km s-min=1.3km az=-1.0.
ISC III 05 18 06 33.7–1.4 26.91N–.03 56.01E–.08 5–11 32 1-4
TEH III 05 18 06 30.8 26.81N 55.96E 6–65 2.8L **¶615386227**
OMAN III 05 18 06 34.9–.08 26.86N 56.07E 4–0 2.7L
ISC Event type ke.
TEH Error ellipse: s-maj=4.9km s-min=7.2km az=-1.0.
OMAN Error ellipse: s-maj=1.5km s-min=1.3km az=226.0.
ISC III 09 00 41 09.6–1.3 26.94N–.04 55.39E–.05 21–5 30 1-9
TEH III 09 00 41 11.2 27.32N 55.51E 12–31 2.7L **¶615386245**
OMAN III 09 00 41 15.9–2.2 26.51N 55.27E 20–15 2.3L
ISC Event type ke.
TEH Error ellipse: s-maj=3.7km s-min=1.8km az=-1.0.
OMAN Error ellipse: s-maj=17.1km s-min=7.7km az=170.0.
ISC III 12 16 32 21.4–.85 28.64N–.05 52.85E–.05 16 55 0-11
TEH III 12 16 32 20.8 28.72N 52.85E 12–45 3.0L **¶615386268**
OMAN III 12 16 32 26.8–1.5 28.26N 52.73E 10–38 4.2b,3.1L
ISC Event type ke.
TEH Error ellipse: s-maj=2.8km s-min=2.1km az=-1.0.
OMAN Error ellipse: s-maj=18.7km s-min=11.7km az=86.0.
ISC III 14 20 42 57.1–.86 29.02N–.03 57.13E–.06 10 60 1-12
TEH III 14 20 42 56.7 29.25N 57.14E 100 2.5L **¶615296799**
DSN III 14 20 42 59.7–.80 28.83N 57.30E 15 2.8L
OMAN III 14 20 43 01.3–.32 28.68N 57.42E 10 5.1b,3.0L
ISC Event type ke.
TEH Error ellipse: s-maj=1.6km s-min=2.8km az=-1.0.
DSN Error ellipse: s-maj=32.3km s-min=6.7km az=109.0.
OMAN Error ellipse: s-maj=7.5km s-min=4.1km az=306.0.
ISC III 15 21 56 44.8–.92 28.09N–.05 54.29E–.05 10 31 0-51
IDC III 15 21 56 38.7–7.5 27.75N 54.90E 0 4.2s,3.6 **¶610546275**
TEH III 15 21 56 43.3 28.11N 54.30E 7–31 3.3L,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=149.3km s-min=55.9km az=107.0.
TEH Error ellipse: s-maj=1.8km s-min=2.7km az=-1.0.
TEH III 16 12 29 22.1 29.62N 57.58E 15–17 3.9L
¶615386298
TEH Error ellipse: s-maj=1.3km s-min=1.7km az=-1.0.
ISC III 16 18 42 56.2–.81 29.59N–.04 51.58E–.04 16–5 4.2b 128 0-63
IDC III 16 18 42 53.7–1.1 29.57N 51.55E 0 3.9,3.9b **¶610346937**
TEH III 16 18 42 54.8 29.64N 51.50E 14–11 4.0L,3.9b
ISN III 16 18 42 54.0–.99 29.39N 51.41E 11–292 4.0L,3.9b
ISC Event type ke.
IDC Error ellipse: s-maj=23.8km s-min=15.1km az=3.0.
TEH Error ellipse: s-maj=1.0km s-min=1.2km az=-1.0.
ISN Error ellipse: s-maj=199.4km s-min=295.5km az=-1.0.
ISC III 17 00 02 57.7–.77 29.59N–.03 51.56E–.03 17–5 4.3b,3.4s 444 0-95
IDC III 17 00 02 54.5–.66 29.54N 51.50E 0 4.0,4.0b **¶610331465**
ISN III 17 00 02 54.3–1.3 29.38N 51.51E 9–387 4.3L,4.0b
MOS III 17 00 02 56.4–1.4 29.48N 51.55E 24 4.4b,4.0b
TEH III 17 00 02 56.7 29.67N 51.49E 12–11 4.3L,4.0b
NEIC III 17 00 02 59.9–2.4 29.51N–.08 51.54E–.08 29–6 4.3b,4.0b
DSN III 17 00 02 59.2–.65 29.46N 51.53E 15 5.0b,4.1L
GII III 17 00 03 00.7–.00 29.71N 51.62E 20 5.0b,4.1L
OMAN III 17 00 03 01.8–.32 29.48N 51.72E 25 5.5b,4.3L
BGR III 17 00 03 12.8 30.64N 50.70E 33 4.4b,4.3L
ISC Event type ke.
IDC Error ellipse: s-maj=15.7km s-min=12.0km az=0.0.
ISN Error ellipse: s-maj=262.6km s-min=393.7km az=-1.0.
MOS Error ellipse: s-maj=6.8km s-min=4.2km az=113.5.
TEH Error ellipse: s-maj=0.8km s-min=0.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=12.2km s-min=9.8km az=166.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DSN Error ellipse: s-maj=10.7km s-min=6.1km az=32.0.
GII Event type ke.
OMAN Error ellipse: s-maj=6.0km s-min=3.9km az=5.0.
BGR Event type ke.
ISC III 17 00 15 23.2–.42 29.60N–.04 51.56E–.03 20 4.2b 234 0-88
IDC III 17 00 15 20.2–1.0 29.60N 51.39E 0 3.8,3.8b **¶610546346**
ISN III 17 00 15 21.4–.79 29.37N 51.49E 13–234 4.0L,3.8b
TEH III 17 00 15 22.5 29.68N 51.52E 11–15 4.0L,3.8b
DSN III 17 00 15 23.6–1.4 29.53N 51.53E 15 3.8L,3.8b
NEIC III 17 00 15 24.0–2.8 29.61N–.08 51.50E–.04 29–7 4.1b,3.8b
OMAN III 17 00 15 27.1–1.2 29.41N 51.64E 25 5.4b,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=22.0km s-min=14.7km az=169.0.
ISN Error ellipse: s-maj=159.0km s-min=237.1km az=-1.0.

TEH Error ellipse: s-maj=1.0km s-min=1.3km az=-1.0.
DSN Error ellipse: s-maj=19.5km s-min=6.8km az=3.0.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=4.4km az=162.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
OMAN Error ellipse: s-maj=12.2km s-min=6.8km az=11.0.
ISC III 17 00 35 58.9–.54 29.67N–.04 51.55E–.04 20 3.8b 102 0-87
IDC III 17 00 35 55.4–1.0 29.79N 51.54E 0 3.7,3.6b ¶610546348
ISN III 17 00 35 56.8–.94 29.42N 51.52E 10–271 3.8L,3.6b
TEH III 17 00 35 58.1 29.68N 51.49E 12–11 3.9L,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=21.0km s-min=16.2km az=161.0.
ISN Error ellipse: s-maj=182.6km s-min=276.6km az=-1.0.
TEH Error ellipse: s-maj=0.9km s-min=1.2km az=-1.0.
ISC III 20 22 43 50.0–.81 29.15N–.04 58.43E–.05 8–5 3.6b 116 0-89
IDC III 20 22 43 47.7–1.4 28.90N 58.22E 0 3.5,3.5b ¶610543361
DSN III 20 22 43 47.0–1.9 29.57N 58.22E 15 3.6L,3.5b
TEH III 20 22 43 49.1 29.15N 58.42E 12–12 4.3L,3.5b
OMAN III 20 22 43 53.1–.29 29.11N 58.58E 10–12 4.5b,4.0L
ISC Event type ke.
IDC Error ellipse: s-maj=29.8km s-min=22.8km az=164.0.
DSN Error ellipse: s-maj=28.7km s-min=17.3km az=107.0.
TEH Error ellipse: s-maj=1.2km s-min=1.3km az=-1.0.
OMAN Error ellipse: s-maj=5.9km s-min=3.1km az=233.0.
TEH III 21 07 50 16.0 28.32N 54.95E 14–54 3.5L
¶615386325
TEH Error ellipse: s-maj=2.2km s-min=1.4km az=-1.0.
ISC III 21 18 15 53.4–.85 28.00N–.04 57.56E–.05 52–8 3.6b,3.6s 100 0-62
DSN III 21 18 15 51.1–1.6 28.24N 57.09E 10 3.3L,3.6s ¶610543418
TEH III 21 18 15 52.6 28.01N 57.48E 50 3.9L,3.6s
IDC III 21 18 15 54.3–4.8 27.81N 57.54E 79–63 3.8,3.5b
OMAN III 21 18 15 57.8–.73 27.56N 58.16E 10 4.7b,3.5L
ISC Event type ke.
DSN Error ellipse: s-maj=69.8km s-min=13.5km az=112.0.
TEH Error ellipse: s-maj=1.4km s-min=1.7km az=-1.0.
IDC Error ellipse: s-maj=39.1km s-min=20.8km az=131.0.
OMAN Error ellipse: s-maj=12.6km s-min=6.2km az=2.0.
ISC III 22 02 48 43.6–.52 28.39N–.04 55.50E–.04 22 3.4b 63 1-89
DSN III 22 02 48 30.2–3.4 28.87N 54.43E 10 3.5L ¶610543439
IDC III 22 02 48 39.8–1.1 28.40N 55.59E 0 3.7L,3.6
TEH III 22 02 48 45.2 28.22N 55.55E 22–60 3.4L,3.6
ISC Event type ke.
DSN Error ellipse: s-maj=110.4km s-min=23.5km az=52.0.
IDC Error ellipse: s-maj=21.2km s-min=19.3km az=170.0.
TEH Error ellipse: s-maj=1.2km s-min=1.4km az=-1.0.
ISC III 23 15 23 02.2–1.5 26.85N–.03 55.43E–.04 11–12 82 1-8
DSN III 23 15 22 53.9–1.9 27.40N 56.09E 10 3.1L ¶615296862
OMAN III 23 15 22 59.6–.54 26.93N 55.43E 3–4 5.3b,2.9L
TEH III 23 15 22 59.4 26.79N 55.38E 12–28 3.5L,2.9L
ISC Event type ke.
DSN Error ellipse: s-maj=29.9km s-min=14.9km az=86.0.
OMAN Error ellipse: s-maj=7.3km s-min=3.6km az=45.0.
TEH Error ellipse: s-maj=1.4km s-min=1.3km az=-1.0.
ISC III 24 19 25 31.3–1.1 26.85N–.04 55.92E–.08 14 14 1-2
DSN III 24 19 25 31.4–.85 26.86N 56.09E 10 2.3L ¶615296869
TEH III 24 19 25 31.2 26.85N 55.80E 12–23 2.6L
ISC Event type ke.
DSN Error ellipse: s-maj=30.5km s-min=5.5km az=79.0.
TEH Error ellipse: s-maj=1.2km s-min=0.6km az=-1.0.
ISC III 25 07 38 38.1–.80 28.32N–.03 57.18E–.03 17–3 4.4b,3.5s 301 1-90
NEIC III 25 07 38 37.0–1.8 28.27N–.08 57.1E–.10 10–1 4.5b,3.5s ¶610434911
TEH III 25 07 38 37.3 28.37N 57.22E 8–45 4.3L,3.5s
MOS III 25 07 38 37.2–.89 28.30N 57.12E 25 4.5b,3.5s
IDC III 25 07 38 40.6–1.9 28.25N 57.12E 42–20 4.1,3.9b
OMAN III 25 07 38 40.3–.40 28.21N 57.10E 10–5 4.9b,4.0L
DSN III 25 07 38 41.5–1.9 28.05N 57.36E 10 3.9L,4.0L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.0km s-min=12.5km az=107.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TEH Error ellipse: s-maj=1.2km s-min=1.6km az=-1.0.
MOS Error ellipse: s-maj=8.1km s-min=5.0km az=98.9.
IDC Error ellipse: s-maj=13.1km s-min=11.0km az=64.0.
OMAN Error ellipse: s-maj=7.8km s-min=1.8km az=29.0.
DSN Error ellipse: s-maj=52.7km s-min=13.4km az=127.0.
ISC III 28 22 34 21.5–1.2 25.42N–.07 60.84E–.05 10 53 0-6
DSN III 28 22 34 17.4–2.5 25.41N 61.08E 15 2.7L ¶615317191
OMAN III 28 22 34 22.2–.48 25.37N 60.79E 10 4.8,4.6b
ISC Event type ke.
DSN Error ellipse: s-maj=36.1km s-min=24.2km az=164.0.
OMAN Error ellipse: s-maj=6.8km s-min=3.5km az=170.0.
ISC III 30 12 29 47.6–3.0 26.9N–.10 55.09E–.09 11–12 37 1-6
DSN III 30 12 29 46.7–1.5 26.88N 55.00E 10 2.8L ¶615317212
OMAN III 30 12 29 48.1–1.9 26.89N 55.20E 10 5.5b,2.9L
ISC Event type ke.
DSN Error ellipse: s-maj=19.5km s-min=7.3km az=11.0.
OMAN Error ellipse: s-maj=18.3km s-min=11.7km az=32.0.
ISC III 31 08 53 27.3–.75 28.12N–.03 51.89E–.04 10 86 1-11
TEH III 31 08 53 27.2 28.09N 51.86E 12–35 3.5L ¶615296923
DSN III 31 08 53 30.8–.99 27.92N 52.05E 10 2.7L
OMAN III 31 08 53 32.0–.17 27.96N 52.18E 10 4.8b,3.1L
ISC Event type ke.
TEH Error ellipse: s-maj=1.9km s-min=2.4km az=-1.0.
DSN Error ellipse: s-maj=19.5km s-min=5.9km az=11.0.
OMAN Error ellipse: s-maj=3.6km s-min=2.2km az=1.0.
ISC III 31 09 19 29.4–1.3 27.76N–.05 58.13E–.07 10 33 1-6
TEH III 31 09 19 27.4 27.86N 57.61E 10–964 2.8L ¶615296925
DSN III 31 09 19 31.6–1.7 27.67N 58.01E 10 2.4L
OMAN III 31 09 19 36.5–1.5 27.32N 58.04E 10 2.3L
ISC Event type ke.
TEH Error ellipse: s-maj=7.1km s-min=18.1km az=-1.0.
DSN Error ellipse: s-maj=36.9km s-min=13.3km az=135.0.
OMAN Error ellipse: s-maj=14.0km s-min=10.1km az=44.0.
ISC IV 01 19 59 48.7–.46 29.42N–.04 56.78E–.04 100 4.0b 231 0-82
TEH IV 01 19 59 47.7 29.41N 56.83E 100 4.1L ¶610513779
IDC IV 01 19 59 48.6–1.9 29.34N 56.81E 99–23 3.8,3.4b
NEIC IV 01 19 59 49.3–1.4 29.45N–.04 56.78E–.09 99–4 4.2b,3.4b
OMAN IV 01 19 59 50.8–.20 29.20N 56.70E 16 5.4b,4.4L
DSN IV 01 19 59 51.7–1.6 29.15N 56.19E 10 4.0L,4.4L
SGS IV 01 19 59 52.8 29.34N 56.41E 14 4.2L,4.4L
ISC Event type se.
TEH Error ellipse: s-maj=1.6km s-min=1.6km az=-1.0.
IDC Error ellipse: s-maj=14.7km s-min=12.6km az=118.0.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=6.2km az=89.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
OMAN Error ellipse: s-maj=5.1km s-min=2.8km az=267.0.
DSN Error ellipse: s-maj=26.2km s-min=11.1km az=69.0.
ISC IV 02 23 10 01.2–1.5 27.37N–.06 56.49E–.08 7–12 12 0-6
TEH IV 02 23 09 58.6 27.30N 56.43E 8–51 2.7L ¶615296938
DSN IV 02 23 10 03.6–1.6 27.13N 56.72E 2 2.6L
ISC Event type ke.
TEH Error ellipse: s-maj=13.1km s-min=3.2km az=-1.0.
DSN Error ellipse: s-maj=103.3km s-min=12.6km az=108.0.
ISC IV 03 16 12 42.9–1.2 26.57N–.03 54.52E–.04 13–10 72 1-9
DSN IV 03 16 12 36.5–1.8 27.18N 54.39E 10 3.4L ¶615296941
TEH IV 03 16 12 42.2 26.57N 54.50E 8–46 3.3L
OMAN IV 03 16 12 46.2–1.6 26.28N 54.52E 10 5.7b,3.1L
ISC Event type ke.
DSN Error ellipse: s-maj=21.1km s-min=13.4km az=15.0.
TEH Error ellipse: s-maj=1.6km s-min=1.7km az=-1.0.
OMAN Error ellipse: s-maj=17.1km s-min=8.1km az=172.0.
ISC IV 03 16 55 05.2–1.4 27.34N–.05 56.34E–.05 3–15 42 0-8
TEH IV 03 16 55 03.3 27.30N 56.34E 12–17 3.6L ¶615296942
DSN IV 03 16 55 03.6–1.3 27.45N 56.67E 10 3.7L
ISC Event type ke.
TEH Error ellipse: s-maj=1.2km s-min=1.7km az=-1.0.
DSN Error ellipse: s-maj=38.8km s-min=12.2km az=99.0.
ISC IV 10 20 58 32.5–.91 28.20N–.03 55.81E–.03 10 40 1-6
DSN IV 10 20 58 30.6–2.0 27.85N 58.56E 60 3.1L ¶615386668
TEH IV 10 20 58 32.2 28.24N 55.81E 11–26 3.5L
ISC Event type ke.
DSN Error ellipse: s-maj=56.7km s-min=12.1km az=146.0.
TEH Error ellipse: s-maj=1.3km s-min=1.6km az=-1.0.
ISC IV 14 17 04 11.0–1.5 27.64N–.05 56.7E–.10 17–10 17 0-3
TEH IV 14 17 04 08.8 27.62N 56.87E 10–93 2.8L ¶615297264
DSN IV 14 17 04 12.0–.20 27.62N 56.06E 10 2.7L
ISC Event type ke.
TEH Error ellipse: s-maj=8.9km s-min=4.6km az=-1.0.
DSN Error ellipse: s-maj=20.5km s-min=3.4km az=261.0.
ISC IV 15 04 37 22.4–1.1 26.94N–.03 54.91E–.03 16–7 3.8b 110 1-90
DSN IV 15 04 37 20.4–1.5 27.24N 54.96E 10 3.5L ¶610652775
TEH IV 15 04 37 21.0 26.93N 54.88E 15–22 3.6L
OMAN IV 15 04 37 25.6–1.8 26.84N 55.07E 10–11 4.9b,3.4L
IDC IV 15 04 37 25.9–3.8 26.96N 54.78E 43–47 3.6,3.5L
ISC Event type ke.
DSN Error ellipse: s-maj=22.0km s-min=6.6km az=25.0.
TEH Error ellipse: s-maj=1.1km s-min=1.2km az=-1.0.
OMAN Error ellipse: s-maj=15.0km s-min=11.2km az=33.0.
IDC Error ellipse: s-maj=32.9km s-min=20.2km az=159.0.
ISC IV 15 07 13 08.5–1.1 27.63N–.03 56.56E–.04 13–7 3.8b 107 0-90
IDC IV 15 07 13 06.0–.91 27.58N 56.45E 0 3.8,3.8b ¶610598368
DSN IV 15 07 13 07.4–1.3 27.82N 56.71E 10 3.5L,3.8b
TEH IV 15 07 13 08.0 27.65N 56.54E 9–22 3.7L,3.8b
OMAN IV 15 07 13 11.8–.39 27.71N 56.81E 33 4.5b,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=23.0km s-min=18.0km az=52.0.
DSN Error ellipse: s-maj=63.0km s-min=10.3km az=98.0.
TEH Error ellipse: s-maj=1.2km s-min=1.1km az=-1.0.
OMAN Error ellipse: s-maj=8.7km s-min=5.3km az=314.0.
ISC IV 15 09 32 45.1–2.3 26.52N–.07 54.28E–.06 15–14 3.4b 58 2-51
IDC IV 15 09 32 41.5–1.6 26.56N 54.30E 0 3.6,3.6b ¶610652786
DSN IV 15 09 32 43.5–2.4 26.73N 54.24E 10 2.9L,3.6b
OMAN IV 15 09 32 47.5–1.3 26.38N 54.32E 10 4.3b,3.0L
ISC Event type ke.
IDC Error ellipse: s-maj=49.9km s-min=24.7km az=45.0.
DSN Error ellipse: s-maj=28.4km s-min=8.0km az=170.0.
OMAN Error ellipse: s-maj=11.9km s-min=8.5km az=168.0.
ISC IV 17 16 43 51.6–.95 28.89N–.03 56.14E–.07 10 32 1-6
TEH IV 17 16 43 52.1 28.92N 56.14E 10–61 2.8L ¶615297296
OMAN IV 17 16 43 56.7–.85 28.56N 55.89E 10 2.3L
ISC Event type ke.
TEH Error ellipse: s-maj=1.2km s-min=4.0km az=-1.0.
OMAN Error ellipse: s-maj=10.6km s-min=5.9km az=83.0.
ISC IV 17 23 14 55.6–1.2 26.77N–.03 56.60E–.04 8–11 87 1-9
TEH IV 17 23 14 54.6 26.76N 56.51E 12–52 3.5L ¶615297299
DSN IV 17 23 14 55.8–1.2 26.63N 56.83E 10 3.7L
OMAN IV 17 23 14 57.2–.83 26.69N 56.61E 10 5.3b,3.6L
ISC Event type ke.
TEH Error ellipse: s-maj=1.6km s-min=2.6km az=-1.0.
DSN Error ellipse: s-maj=22.4km s-min=8.9km az=135.0.
OMAN Error ellipse: s-maj=6.8km s-min=4.4km az=133.0.
ISC IV 18 01 20 05.3–1.3 27.08N–.04 56.65E–.07 11–11 44 0-5
TEH IV 18 01 20 04.6 27.04N 56.52E 18–25 2.9L ¶615297303
DSN IV 18 01 20 07.9–2.2 27.02N 56.19E 10 2.8L
OMAN IV 18 01 20 08.2–1.3 26.89N 56.76E 10 2.8L
ISC Event type ke.
TEH Error ellipse: s-maj=2.4km s-min=4.3km az=-1.0.
DSN Error ellipse: s-maj=44.2km s-min=13.6km az=73.0.
OMAN Error ellipse: s-maj=9.3km s-min=6.0km az=144.0.
ISC IV 20 15 49 46.4–.40 27.68N–.03 53.27E–.03 16 4.1b 178 0-90
DSN IV 20 15 49 41.7–.28 27.97N 52.99E 10 3.6L ¶610653121
SGS IV 20 15 49 44.0 28.05N 53.59E 10 3.8L
IDC IV 20 15 49 44.4–1.0 27.70N 53.20E 0 4.0,3.9b
TEH IV 20 15 49 44.8 27.70N 53.34E 9–21 3.9L,3.9b
NEIC IV 20 15 49 45.7–1.6 27.68N–.09 53.18E–.05 10–1 4.3b,3.9b
OMAN IV 20 15 49 49.1–.93 27.48N 53.36E 10 5.5b,3.7L
ISC Event type se.
DSN Error ellipse: s-maj=5.7km s-min=3.1km az=341.0.
IDC Error ellipse: s-maj=23.3km s-min=15.8km az=171.0.
TEH Error ellipse: s-maj=1.0km s-min=1.4km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=14.7km s-min=6.8km az=172.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
OMAN Error ellipse: s-maj=8.9km s-min=4.2km az=0.0.
ISC IV 22 08 44 32.6–.64 27.90N–.04 54.84E–.04 10 3.7b 41 0-90
DSN IV 22 08 44 26.9–.22 27.98N 54.03E 10 3.4L ¶610653252
IDC IV 22 08 44 30.3–1.2 27.90N 54.86E 0 3.7,3.7b
TEH IV 22 08 44 32.6 27.92N 54.87E 21–25 3.4L,3.7b
ISC Event type ke.
DSN Error ellipse: s-maj=7.6km s-min=4.5km az=24.0.
IDC Error ellipse: s-maj=25.4km s-min=24.0km az=45.0.
TEH Error ellipse: s-maj=2.1km s-min=1.1km az=-1.0.
ISC IV 22 09 58 20.1–.65 27.90N–.05 54.86E–.03 10 3.8b 48 0-90
IDC IV 22 09 58 18.1–1.2 27.94N 54.83E 0 3.8,3.7b ¶610653258
TEH IV 22 09 58 20.3 27.91N 54.86E 22–23 3.6L,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=25.3km s-min=24.3km az=53.0.
TEH Error ellipse: s-maj=1.9km s-min=1.0km az=-1.0.
ISC IV 26 10 28 25.3–.56 29.43N–.05 50.77E–.05 10 4.0b 61 1-88
IDC IV 26 10 28 24.5–1.3 29.51N 50.75E 0 4.0,4.0b ¶610650051
TEH IV 26 10 28 27.2 29.59N 50.90E 11–27 3.8L,4.0b
DSN IV 26 10 28 34.3–2.8 28.71N 50.85E 15 3.5L,4.0b
ISC Event type ke.
IDC Error ellipse: s-maj=28.4km s-min=17.7km az=170.0.
TEH Error ellipse: s-maj=1.8km s-min=2.6km az=-1.0.
DSN Error ellipse: s-maj=45.1km s-min=11.3km az=3.0.
ISC IV 27 17 21 48.0–.41 28.56N–.04 52.58E–.03 10 4.1b 196 0-94
IDC IV 27 17 21 46.8–1.1 28.51N 52.58E 0 3.9,3.9b ¶610570304
TEH IV 27 17 21 48.1 28.60N 52.62E 11–27 3.9L,3.9b
NEIC IV 27 17 21 48.2–1.8 28.52N–.09 52.63E–.09 10–1 4.2b,3.9b
DSN IV 27 17 21 50.0–.17 28.44N 52.55E 10 3.6L,3.9b
OMAN IV 27 17 21 51.7–.33 28.19N 52.44E 5 5.4b,3.8L
ISC Event type se.
IDC Error ellipse: s-maj=22.2km s-min=15.2km az=178.0.
TEH Error ellipse: s-maj=1.7km s-min=2.0km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=15.2km s-min=12.1km az=201.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DSN Error ellipse: s-maj=4.5km s-min=1.2km az=2.0.
OMAN Error ellipse: s-maj=11.9km s-min=4.5km az=32.0.
ISC IV 28 05 07 07.5–.77 27.50N–.03 56.96E–.04 10 3.7b 37 0-90
IDC IV 28 05 07 04.6–1.7 27.48N 56.53E 0 3.7,3.7b ¶610650192
TEH IV 28 05 07 09.8 27.67N 56.89E 19–25 3.3L,3.7b
DSN IV 28 05 07 14.7–.24 27.47N 56.14E 10 3.2L,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=59.0km s-min=32.4km az=64.0.
TEH Error ellipse: s-maj=2.3km s-min=1.6km az=-1.0.
DSN Error ellipse: s-maj=11.1km s-min=4.6km az=253.0.
ISC IV 28 13 00 44.8–1.3 27.83N–.03 54.80E–.04 16–8 4.2b,3.2s 244 0-92
DSN IV 28 13 00 34.8–2.1 28.77N 54.93E 10 4.0L,3.2s ¶610598465
MOS IV 28 13 00 41.7–1.7 27.75N 54.80E 10 4.5b,3.2s

IDC IV 28 13 00 42.2–.70 27.96N 54.66E 0 4.1,4.1b
TEH IV 28 13 00 44.2 27.90N 54.85E 12–29 4.1L,4.1b
NEIC IV 28 13 00 44.5–2.4 27.82N–.08 54.79E–.09 10–1 4.2b,4.1b
OMAN IV 28 13 00 50.2–.14 27.67N 54.64E 10–3 5.2b,3.9L
ISC Event type se.
DSN Error ellipse: s-maj=29.8km s-min=11.2km az=36.0.
MOS Error ellipse: s-maj=8.8km s-min=5.4km az=90.8.
IDC Error ellipse: s-maj=15.7km s-min=14.8km az=3.0.
TEH Error ellipse: s-maj=1.0km s-min=1.1km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=13.8km s-min=12.7km az=135.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
OMAN Error ellipse: s-maj=2.3km s-min=1.7km az=249.0.
ISC IV 29 08 28 51.5–.79 27.67N–.05 54.79E–.04 20 3.5b 34 0-90
IDC IV 29 08 28 47.2–2.9 27.55N 54.91E 0 3.6,3.6b **¶610650292**
TEH IV 29 08 28 51.7 27.93N 54.91E 15–19 3.3L,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=70.6km s-min=35.0km az=152.0.
TEH Error ellipse: s-maj=1.1km s-min=1.2km az=-1.0.
ISC IV 29 21 56 00.7–.81 27.32N–.03 56.11E–.04 15–5 3.5b 123 0-53
IDC IV 29 21 55 57.9–1.2 27.29N 56.07E 0 3.6,3.6b **¶610650354**
TEH IV 29 21 56 00.5 27.32N 56.09E 11–15 3.6L,3.6b
DSN IV 29 21 56 01.0–2.0 27.37N 56.05E 10 3.5L,3.6b
OMAN IV 29 21 56 03.6–.28 27.37N 56.27E 30 3.7b,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=25.2km s-min=21.7km az=26.0.
TEH Error ellipse: s-maj=1.1km s-min=1.4km az=-1.0.
DSN Error ellipse: s-maj=29.6km s-min=11.5km az=58.0.
OMAN Error ellipse: s-maj=4.1km s-min=3.2km az=325.0.
ISC V 03 17 28 50.8–.98 28.93N–.04 57.44E–.07 10 46 1-8
TEH V 03 17 28 52.9 29.07N 57.35E 10–999 2.9L **¶615297463**
DSN V 03 17 28 53.2–.81 28.82N 57.27E 10 3.3L
OMAN V 03 17 28 55.2–.33 28.66N 57.50E 10 3.5b,3.2L
ISC Event type ke.
TEH Error ellipse: s-maj=7.2km s-min=7.6km az=-1.0.
DSN Error ellipse: s-maj=51.9km s-min=6.3km az=104.0.
OMAN Error ellipse: s-maj=8.6km s-min=5.1km az=302.0.
ISC V 04 07 35 01.3–1.5 26.74N–.04 57.75E–.04 29–15 87 1-10
DSN V 04 07 35 01.4–3.2 26.63N 57.80E 15 2.8L **¶615297471**
TEH V 04 07 35 01.0 26.81N 57.74E 23–37 3.8L
OMAN V 04 07 35 05.2–.11 26.52N 57.66E 35–2 4.2b,3.0L
ISC Event type ke.
DSN Error ellipse: s-maj=41.0km s-min=12.9km az=4.0.
TEH Error ellipse: s-maj=1.4km s-min=2.2km az=-1.0.
OMAN Error ellipse: s-maj=3.4km s-min=1.1km az=22.0.
ISC V 19 03 42 29.8–.94 27.69N–.03 57.75E–.05 10 48 0-8
TEH V 19 03 42 30.7 27.87N 57.67E 14–23 3.7L **¶615297581**
OMAN V 19 03 42 31.9–.42 27.69N 57.89E 33 3.2L
ISC Event type ke.
TEH Error ellipse: s-maj=1.9km s-min=1.7km az=-1.0.
OMAN Error ellipse: s-maj=8.1km s-min=7.4km az=332.0.
ISC V 22 19 19 20.5–1.1 27.53N–.03 55.93E–.04 17–8 3.9b,3.1s 90 0-64
IDC V 22 19 19 16.3–3.0 27.31N 56.07E 0 3.9,3.9b **¶610685173**
TEH V 22 19 19 19.7 27.59N 55.98E 11–22 3.7L,3.9b
DSN V 22 19 19 19.6–1.4 27.72N 55.71E 15 3.4L,3.9b
OMAN V 22 19 19 27.2–.08 27.07N 55.94E 10 4.4b,3.0L
ISC Event type ke.
IDC Error ellipse: s-maj=63.8km s-min=33.6km az=146.0.
TEH Error ellipse: s-maj=1.3km s-min=1.3km az=-1.0.
DSN Error ellipse: s-maj=19.1km s-min=6.4km az=48.0.
OMAN Error ellipse: s-maj=1.7km s-min=1.5km az=306.0.
ISC V 23 01 31 32.1–.44 27.55N–.04 55.90E–.04 15 4.1b,2.8s 148 0-60
IDC V 23 01 31 29.8–1.1 27.56N 55.85E 0 4.0,4.0b **¶610653792**
TEH V 23 01 31 31.3 27.61N 56.00E 8–37 3.7L,4.0b
NEIC V 23 01 31 32.6–1.5 27.57N–.09 55.81E–.10 10–1 4.2b,4.0b
DSN V 23 01 31 38.5–2.5 27.19N 56.39E 15 3.5L,4.0b
OMAN V 23 01 31 40.8–.10 26.97N 55.52E 10 4.3b,3.3L
ISC Event type se.
IDC Error ellipse: s-maj=23.9km s-min=15.5km az=173.0.
TEH Error ellipse: s-maj=1.4km s-min=1.2km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=18.4km s-min=10.5km az=43.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DSN Error ellipse: s-maj=27.4km s-min=24.0km az=31.0.
OMAN Error ellipse: s-maj=1.6km s-min=1.5km az=346.0.
ISC V 26 06 33 52.9–1.2 28.09N–.05 57.83E–.05 30–10 45 0-10
TEH V 26 06 33 51.6 28.26N 57.56E 8–55 3.3L **¶615297643**
OMAN V 26 06 33 56.1–.24 27.93N 58.05E 35–11 4.2b,3.2L
ISC Event type ke.
TEH Error ellipse: s-maj=2.1km s-min=2.2km az=-1.0.
OMAN Error ellipse: s-maj=15.3km s-min=1.9km az=11.0.
TEH V 27 22 38 47.4 29.87N 57.77E 7 2.5L
¶615387083
TEH Error ellipse: s-maj=0.2km s-min=0.3km az=-1.0.
ISC V 28 00 21 03.4–.66 28.64N–.04 52.11E–.05 15 3.6b 62 1-49
IDC V 28 00 20 58.7–3.1 28.45N 52.22E 0 3.7b,3.5 **¶610685525**
TEH V 28 00 21 05.2 28.71N 52.07E 20–53 3.2L,3.5
OMAN V 28 00 21 09.7–1.7 28.25N 52.22E 20 3.4L,3.2b
DSN V 28 00 21 10.4–2.2 27.91N 52.05E 10 3.0L,3.2b
ISC Event type ke.
IDC Error ellipse: s-maj=65.7km s-min=33.6km az=146.0.
TEH Error ellipse: s-maj=2.4km s-min=2.0km az=-1.0.
OMAN Error ellipse: s-maj=22.2km s-min=9.7km az=23.0.
DSN Error ellipse: s-maj=38.4km s-min=10.3km az=8.0.
ISC V 28 01 01 13.3–.75 28.95N–.06 53.64E–.05 10 3.7b 23 0-51
IDC V 28 01 01 10.9–2.8 28.91N 53.45E 0 3.6b,3.5 **¶615387084**
TEH V 28 01 01 14.2 28.99N 53.69E 16–55 3.2L,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=61.8km s-min=30.4km az=159.0.
TEH Error ellipse: s-maj=2.3km s-min=2.7km az=-1.0.
ISC VI 01 14 44 18.0–.54 28.41N–.04 54.06E–.05 24 3.8b 69 0-89
IDC VI 01 14 44 14.5–1.2 28.42N 54.03E 0 3.9,3.9b **¶610791057**
TEH VI 01 14 44 15.3 28.44N 54.13E 7–41 3.6L,3.9b
DSN VI 01 14 44 16.5–1.5 28.40N 53.94E 15 3.2L,3.9b
ISC Event type ke.
IDC Error ellipse: s-maj=25.9km s-min=18.5km az=164.0.
TEH Error ellipse: s-maj=1.6km s-min=1.4km az=-1.0.
DSN Error ellipse: s-maj=22.0km s-min=7.9km az=24.0.
ISC VI 02 12 11 59.5–.43 28.38N–.04 54.02E–.04 24 4.0b 127 0-93
IDC VI 02 12 11 55.3–1.1 28.27N 54.06E 0 3.9,3.9b **¶610764456**
TEH VI 02 12 11 56.1 28.37N 54.05E 6–24 3.7L,3.9b
NEIC VI 02 12 11 58.5–1.8 28.43N–.03 54.12E–.06 10–1 4.2b,3.7
OMAN VI 02 12 12 02.2–1.6 27.97N 53.67E 10 4.6b,3.6L
DSN VI 02 12 12 02.1–3.0 28.21N 54.00E 15 3.3L,3.6L
ISC Event type se.
IDC Error ellipse: s-maj=26.1km s-min=16.2km az=177.0.
TEH Error ellipse: s-maj=1.7km s-min=1.7km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=8.6km s-min=5.3km az=96.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
OMAN Error ellipse: s-maj=20.9km s-min=15.0km az=74.0.
DSN Error ellipse: s-maj=46.4km s-min=9.6km az=21.0.
ISC VI 02 20 33 55.4–.49 29.38N–.03 51.02E–.04 24 4.0b 149 1-51
IDC VI 02 20 33 51.3–1.6 29.23N 50.91E 0 3.9,3.9b **¶610764459**
TEH VI 02 20 33 54.5 29.44N 51.03E 11–23 3.6L,3.9b
NEIC VI 02 20 33 54.1–2.3 29.40N–.08 51.06E–.09 10–1 4.1b,3.9b
DSN VI 02 20 33 56.1–1.3 29.54N 51.32E 15 3.4L,3.9b
OMAN VI 02 20 34 00.5–.21 29.31N 51.29E 10–6 4.5b,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=30.7km s-min=23.7km az=176.0.
TEH Error ellipse: s-maj=1.0km s-min=1.7km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=14.9km s-min=11.3km az=218.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DSN Error ellipse: s-maj=32.4km s-min=8.4km az=26.0.
OMAN Error ellipse: s-maj=7.6km s-min=4.7km az=43.0.
ISC VI 03 11 21 57.9–.86 29.61N–.04 51.52E–.04 17–5 3.9b 94 0-81
IDC VI 03 11 21 55.6–1.5 29.58N 51.53E 0 3.8,3.8b **¶610791171**
TEH VI 03 11 21 57.1 29.67N 51.48E 11–13 3.9L,3.8b
DSN VI 03 11 21 59.7–1.5 29.34N 51.48E 11 3.6L,3.8b
SGS VI 03 11 21 59.6 29.78N 51.45E 10 3.8L,3.8b
OMAN VI 03 11 22 01.0–.49 29.41N 51.72E 10 4.5b,4.0L
ISC Event type ke.
IDC Error ellipse: s-maj=31.7km s-min=25.5km az=15.0.
TEH Error ellipse: s-maj=0.9km s-min=1.2km az=-1.0.
DSN Error ellipse: s-maj=23.1km s-min=5.0km az=6.0.
OMAN Error ellipse: s-maj=20.6km s-min=7.7km az=234.0.
TEH VI 03 17 27 01.4 29.19N 58.97E 21–20 3.5L
¶615387148
TEH Error ellipse: s-maj=1.4km s-min=0.9km az=-1.0.
ISC VI 04 10 00 58.6–1.3 27.47N–.03 57.82E–.04 0–10 3.7b 75 0-54
IDC VI 04 10 00 57.8–3.6 27.38N 57.79E 0 3.6,3.6b **¶610791226**
DSN VI 04 10 00 57.8–2.1 27.35N 58.29E 10 3.0L,3.6b
TEH VI 04 10 00 59.2 27.53N 57.75E 6–19 3.6L,3.6b
OMAN VI 04 10 01 03.0–.43 27.38N 57.98E 15–16 4.4b,3.4L
ISC Event type ke.
IDC Error ellipse: s-maj=89.6km s-min=37.7km az=151.0.
DSN Error ellipse: s-maj=42.5km s-min=12.5km az=157.0.
TEH Error ellipse: s-maj=1.0km s-min=1.3km az=-1.0.
OMAN Error ellipse: s-maj=33.0km s-min=4.4km az=15.0.
ISC VI 06 01 05 17.7–.80 27.96N–.04 53.93E–.04 10 3.7b 37 0-45
IDC VI 06 01 05 17.6–14 28.28N 53.85E 0 3.7,3.7b **¶610791310**
TEH VI 06 01 05 18.3 27.95N 53.96E 18–24 3.2L,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=284.9km s-min=38.1km az=2.0.
TEH Error ellipse: s-maj=1.2km s-min=1.4km az=-1.0.
ISC VI 07 06 58 44.9–1.0 28.16N–.06 52.35E–.05 15 41 1-8
TEH VI 07 06 58 45.6 28.27N 52.36E 18–32 3.4L **¶615297750**
OMAN VI 07 06 58 48.5–.58 27.90N 52.50E 10 4.7b,3.1L
ISC Event type ke.
TEH Error ellipse: s-maj=1.9km s-min=2.0km az=-1.0.
OMAN Error ellipse: s-maj=10.7km s-min=4.4km az=41.0.
ISC VI 07 22 27 27.9–1.2 27.68N–.03 55.14E–.03 17–9 3.7b 76 1-52
DSN VI 07 22 27 19.1–1.1 28.42N 57.06E 10 3.1L **¶610791424**
IDC VI 07 22 27 19.9–3.5 27.35N 55.65E 0 3.7,3.6b
TEH VI 07 22 27 27.6 27.71N 55.17E 12–20 3.4L,3.6b
OMAN VI 07 22 27 31.5–1.4 27.56N 55.34E 10 3.1L,3.6b
ISC Event type ke.
DSN Error ellipse: s-maj=47.6km s-min=10.4km az=107.0.
IDC Error ellipse: s-maj=73.2km s-min=37.8km az=150.0.
TEH Error ellipse: s-maj=1.1km s-min=0.8km az=-1.0.
OMAN Error ellipse: s-maj=22.3km s-min=11.3km az=68.0.
ISC VI 09 06 57 41.4–1.2 27.55N–.04 55.34E–.04 14–9 3.8b,3.0s 115 1-83
IDC VI 09 06 57 38.9–1.2 27.54N 55.30E 0 3.9,3.9b **¶610791508**
TEH VI 09 06 57 40.3 27.57N 55.39E 8–23 3.8L,3.9b
DSN VI 09 06 57 41.2–.82 27.79N 55.59E 15 3.5L,3.9b
OMAN VI 09 06 57 46.3–1.2 27.20N 55.18E 11–5 4.9b,3.4L
ISC Event type ke.
IDC Error ellipse: s-maj=23.0km s-min=20.4km az=1.0.
TEH Error ellipse: s-maj=1.2km s-min=1.2km az=-1.0.
DSN Error ellipse: s-maj=32.1km s-min=5.5km az=66.0.
OMAN Error ellipse: s-maj=8.7km s-min=5.6km az=25.0.
ISC VI 09 09 45 58.6–1.8 26.68N–.04 53.78E–.04 16–13 3.8b,3.1s 124 1-50
IDC VI 09 09 45 56.5–1.5 26.79N 53.64E 0 3.8,3.8b **¶610791530**
DSN VI 09 09 45 57.8–1.1 26.93N 53.76E 15 3.6L,3.8b
SGS VI 09 09 45 58.0 26.91N 54.05E 14 3.8L,3.8b
TEH VI 09 09 45 59.2 26.74N 53.77E 20–56 3.7L,3.8b
OMAN VI 09 09 46 03.0–.72 26.60N 53.82E 10–12 3.9b,3.4L
ISC Event type se.
IDC Error ellipse: s-maj=30.5km s-min=21.8km az=174.0.
DSN Error ellipse: s-maj=14.8km s-min=4.1km az=179.0.
TEH Error ellipse: s-maj=1.6km s-min=1.9km az=-1.0.
OMAN Error ellipse: s-maj=7.0km s-min=5.0km az=23.0.
ISC VI 09 10 22 37.5–.65 27.61N–.04 55.39E–.03 22–6 4.1b 79 1-81
IDC VI 09 10 22 34.3–1.3 27.54N 55.41E 0 3.7,3.7b **¶610791531**
NEIC VI 09 10 22 35.8–1.6 27.61N–.07 55.27E–.10 10–1 4.4b,3.7b
TEH VI 09 10 22 36.4 27.66N 55.36E 9–48 3.4L,3.7b
OMAN VI 09 10 22 39.0–1.0 27.57N 55.80E 5 4.7b,3.2L
ISC Event type se.
IDC Error ellipse: s-maj=25.7km s-min=23.8km az=63.0.
NEIC Event type se. Error ellipse: s-maj=14.8km s-min=11.9km az=258.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TEH Error ellipse: s-maj=2.8km s-min=1.3km az=-1.0.
OMAN Error ellipse: s-maj=11.8km s-min=7.9km az=66.0.
ISC VI 09 13 55 02.3–.93 27.59N–.04 55.35E–.04 10 18 1-5
DSN VI 09 13 54 59.9–.93 27.90N 55.76E 15 2.9L **¶615297768**
TEH VI 09 13 55 01.6 27.67N 55.40E 5 3.0L
ISC Event type ke.
DSN Error ellipse: s-maj=42.4km s-min=6.3km az=73.0.
TEH Error ellipse: s-maj=3.0km s-min=1.7km az=-1.0.
ISC VI 10 04 07 03.7–.47 29.82N–.04 59.04E–.04 10 3.8b 123 1-88
IDC VI 10 04 07 02.3–1.3 29.78N 59.00E 0 4.1L,3.7 **¶610791569**
THR VI 10 04 07 03.4–.36 29.86N 59.09E 14–11 4.7L,3.7
TEH VI 10 04 07 04.4 29.85N 59.00E 21–15 4.6L,3.7
OMAN VI 10 04 07 14.1–1.1 29.16N 58.96E 10 4.7b,4.0L
ISC Event type ke.
IDC Error ellipse: s-maj=28.3km s-min=20.2km az=116.0.
THR Error ellipse: s-maj=3.0km s-min=4.6km az=-1.0.
TEH Error ellipse: s-maj=0.7km s-min=0.8km az=-1.0.
OMAN Error ellipse: s-maj=9.5km s-min=8.7km az=68.0.
ISC VI 10 20 44 32.3–1.8 27.62N–.04 55.35E–.05 16–12 3.7b 90 1-52
DSN VI 10 20 44 30.0–.59 27.87N 55.64E 15 3.5L **¶610791616**
TEH VI 10 20 44 31.4 27.61N 55.37E 9–39 3.7L
OMAN VI 10 20 44 33.1–3.5 27.89N 55.99E 25 3.7b,3.5L
IDC VI 10 20 44 35.5–3.8 27.50N 55.38E 54–47 3.9L,3.8
ISC Event type ke.
DSN Error ellipse: s-maj=13.5km s-min=4.3km az=64.0.
TEH Error ellipse: s-maj=1.3km s-min=1.4km az=-1.0.
OMAN Error ellipse: s-maj=36.6km s-min=25.7km az=160.0.
IDC Error ellipse: s-maj=24.2km s-min=19.7km az=160.0.
ISC VI 14 10 14 46.7–1.1 26.88N–.02 55.90E–.04 15–7 4.0b 180 1-91
IDC VI 14 10 14 44.0–.74 26.82N 55.94E 0 4.0,4.0b **¶610673077**
DSN VI 14 10 14 44.3–1.9 27.04N 55.98E 10 3.8L,4.0b
MOS VI 14 10 14 45.7–1.0 26.85N 55.81E 24 4.2b,4.0b
NEIC VI 14 10 14 46.3–1.3 26.89N–.07 55.81E–.10 10–1 4.0b,4.0b
TEH VI 14 10 14 47.2 26.86N 56.00E 15–24 4.0L,4.0b
OMAN VI 14 10 14 47.0–1.8 26.90N 56.05E 7–5 5.6,4.9b
ISC Event type se.
IDC Error ellipse: s-maj=16.5km s-min=15.5km az=88.0.
DSN Error ellipse: s-maj=24.4km s-min=7.0km az=46.0.
MOS Error ellipse: s-maj=10.7km s-min=6.8km az=77.4.
NEIC Event type se. Error ellipse: s-maj=14.7km s-min=11.8km az=272.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TEH Error ellipse: s-maj=1.1km s-min=1.3km az=-1.0.
OMAN Error ellipse: s-maj=16.7km s-min=10.6km az=110.0.
ISC VI 17 09 15 54.9–1.2 26.95N–.03 54.84E–.04 18–7 3.7b 109 1-91
IDC VI 17 09 15 51.6–.98 26.90N 54.78E 0 3.8,3.8b **¶610760959**
TEH VI 17 09 15 54.2 26.97N 54.91E 14–22 3.8L,3.8b
OMAN VI 17 09 15 56.8–.11 26.95N 54.98E 10 5.5b,3.2L
ISC Event type ke.

IDC Error ellipse: s-maj=24.3km s-min=17.7km az=44.0.
TEH Error ellipse: s-maj=1.3km s-min=1.4km az=-1.0.
OMAN Error ellipse: s-maj=3.5km s-min=1.8km az=227.0.
ISC VI 22 03 54 04.2–1.2 27.15N–.03 54.51E–.03 17–8 4.2b 204 1-92
DSN VI 22 03 54 01.6–2.3 27.52N 54.56E 10 4.2L ¶610760980
IDC VI 22 03 54 01.4–.73 27.17N 54.53E 0 4.2,4.2b
TEH VI 22 03 54 04.0 27.21N 54.64E 11–23 4.1L,4.2b
NEIC VI 22 03 54 04.5–1.5 27.24N–.09 54.42E–.09 10–1 4.4b,4.2b
OMAN VI 22 03 54 13.4–1.1 26.48N 54.53E 13–15 4.8b,3.8L
ISC Event type se.
DSN Error ellipse: s-maj=32.8km s-min=7.8km az=19.0.
IDC Error ellipse: s-maj=15.7km s-min=14.7km az=178.0.
TEH Error ellipse: s-maj=1.2km s-min=1.1km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=16.1km s-min=13.1km az=35.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
OMAN Error ellipse: s-maj=15.3km s-min=4.3km az=148.0.
ISC VI 24 18 16 52.5–.87 28.82N–.04 53.81E–.04 10 65 0-9
TEH VI 24 18 16 52.3 28.82N 53.77E 9–48 3.3L ¶615297878
DSN VI 24 18 16 53.0–1.2 28.85N 53.96E 10 3.1L
OMAN VI 24 18 16 56.7–1.3 28.86N 53.99E 33 3.6b,3.3L
ISC Event type ke.
TEH Error ellipse: s-maj=2.0km s-min=1.7km az=-1.0.
DSN Error ellipse: s-maj=32.1km s-min=10.9km az=68.0.
OMAN Error ellipse: s-maj=24.3km s-min=9.2km az=62.0.
ISC VI 25 03 41 42.1–.91 27.27N–.03 56.33E–.05 10 17 0-6
TEH VI 25 03 41 40.7 27.23N 56.36E 8–44 2.9L ¶615297886
DSN VI 25 03 41 43.8–.68 27.25N 56.27E 10 2.8L
ISC Event type ke.
TEH Error ellipse: s-maj=9.6km s-min=3.2km az=-1.0.
DSN Error ellipse: s-maj=36.7km s-min=5.5km az=93.0.
ISC VI 26 01 35 10.7–1.0 28.56N–.04 57.42E–.05 10 75 1-12
TEH VI 26 01 35 10.7 28.59N 57.35E 15–20 3.4L ¶615297894
DSN VI 26 01 35 12.7–.90 28.60N 56.80E 10 3.2L
OMAN VI 26 01 35 15.8–1.2 28.16N 57.61E 10 4.3b,3.3L
ISC Event type ke.
TEH Error ellipse: s-maj=1.0km s-min=1.3km az=-1.0.
DSN Error ellipse: s-maj=12.3km s-min=5.8km az=74.0.
OMAN Error ellipse: s-maj=9.8km s-min=6.5km az=160.0.
ISC VI 27 03 34 54.9–1.0 27.28N–.06 53.68E–.04 10 71 0-9
TEH VI 27 03 34 53.9 27.27N 53.65E 24–24 3.3L ¶615297904
OMAN VI 27 03 34 56.2–1.1 27.21N 53.68E 15 3.8b,3.0L
DSN VI 27 03 34 56.1–.98 27.25N 53.79E 10 2.8L,3.0L
ISC Event type ke.
TEH Error ellipse: s-maj=2.2km s-min=1.4km az=-1.0.
OMAN Error ellipse: s-maj=13.9km s-min=9.6km az=50.0.
DSN Error ellipse: s-maj=13.7km s-min=9.1km az=26.0.
ISC VI 29 04 35 54.1–.73 26.79N–.04 53.76E–.04 10 3.3b 29 1-50
IDC VI 29 04 35 52.0–2.7 26.66N 53.79E 0 3.5,3.5b ¶610789694
TEH VI 29 04 35 53.2 26.80N 53.78E 8–34 3.3L,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=65.4km s-min=28.9km az=155.0.
TEH Error ellipse: s-maj=4.0km s-min=2.2km az=-1.0.

(354) Southwestern Pakistan.

ISC I 12 12 06 48.8–1.4 28.0N–.20 62.3E–.20 10 3.8b 8 6-86
IDC I 12 12 06 47.2–1.6 28.02N 62.33E 0 3.8,3.8b ¶610237238
ISC Event type ke.
IDC Error ellipse: s-maj=35.4km s-min=30.4km az=152.0.
ISC II 07 22 03 55.7–.21 25.10N–.02 63.25E–.02 29–1 6.4s,5.9b 2499 2-152
TEH II 07 22 03 50.3 25.21N 63.25E 10 6.1L,5.9b ¶615345541
IDC II 07 22 03 51.7–.39 25.11N 63.32E 0 6.2s,5.5
BJI II 07 22 03 52.3–.00 25.07N 63.28E 10 6.5s,6.3
MOS II 07 22 03 52.9–.98 25.19N 63.25E 21 6.1b,6.1s
BGR II 07 22 03 56.1 24.50N 62.50E 29–1 5.9b,5.8s
OMAN II 07 22 03 56.5–.06 24.96N 63.05E 36–0 6.8b,6.5
NEIC II 07 22 03 56.4–1.5 25.19N–.07 63.26E–.08 29–3 6.4,6.3
GCMT II 07 22 03 58.7–.10 25.01N–.01 63.25E–.01 14 6.4W,6.3
SGS II 07 22 03 59.2 25.43N 63.07E 51 7.2L,6.3
NEIC II 07 22 04 01 24.91N 63.24E 22 7.2L,6.3
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s86.33369°,δ76.49139°,λ88.79784°. NP2: ϕ_s271.46710°,δ13.56100°,λ94.99103°. Principal axes: T Plg58.4920°,Azm354.7071° ; N Plg1.1689°,Azm86.6145°; P Plg31.4812°,Azm177.3304°
TEH Error ellipse: s-maj=0.4km s-min=0.6km az=-1.0.
IDC Error ellipse: s-maj=11.5km s-min=9.1km az=171.0.
MOS Error ellipse: s-maj=4.3km s-min=2.6km az=118.3.
ISC Event type ke. Hypocentre not reviewed by the ISC.
OMAN Error ellipse: s-maj=0.9km s-min=0.8km az=20.0.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=9.3km az=123.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}0.35 $M_{\theta\theta}$-0.73 $M_{\phi\phi}$0.37 $M_{r\theta}$2.81 $M_{\theta\phi}$-0.29 $M_{\phi r}$-0.14 NP1:ϕ_s93.43000°,δ84.80000°,λ97.02000°. NP2:ϕ_s219.77000°,δ8.73000° ,λ36.66000°. Principal axes: T 2.7097,Plg50.0000°,Azm11.0000°; N 0.3426,Plg7.0000° ,Azm273.0000°; P -3.0523,Plg39.0000°,Azm177.0000° $M_0$2.90000×10^{18}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s165,c380; s151,c256; Duration: 4$\frac{}{}$3 Moment tensor: Scale 10^{18}Nm; M_{rr}1.03±.02 $M_{\theta\theta}$-0.70±.02; $M_{\phi\phi}$-0.32±.01; $M_{r\theta}$4.32±.03; $M_{\theta\phi}$-0.18±.01; $M_{\phi r}$-0.42±.03; Best double couple: NP1:ϕ_s95.00000°,δ84.00000° ,λ93.00000°. NP2:ϕ_s249.00000°,δ6.00000°,λ64.00000°. Principal axes: T 4.6100,Plg50.0000°,Azm8.0000°; N -0.3610,Plg3.0000°,Azm275.0000° ; P -4.2440,Plg39.0000°,Azm182.0000° $M_0$4.42700×10^{18}
NEIC Event type se. Moment Tensor Solution.Duration: 14$\frac{}{}$0 Moment tensor: Scale 10^{18}Nm; M_{rr}0.37 $M_{\theta\theta}$-0.41 $M_{\phi\phi}$0.04 $M_{r\theta}$3.51 $M_{\theta\phi}$0.03 $M_{\phi r}$-0.14 NP1:ϕ_s276.00000°,δ3.00000° ,λ94.00000°. NP2:ϕ_s92.00000°,δ87.00000°,λ90.00000°. Principal axes: T 3.5140,Plg48.0000°,Azm2.0000°; N 0.0412,Plg0.0000°,Azm92.0000° ; P -3.5552,Plg42.0000°,Azm182.0000° $M_0$3.53000×10^{18}
ISC II 08 11 02 37.1–.40 25.01N–.03 63.27E–.03 16–2 5.1b,4.9s 934 2-153
TEH II 08 11 02 31.1 24.94N 63.57E 10 5.4L,4.9s ¶610199146
IDC II 08 11 02 35.1–.46 25.02N 63.41E 0 4.8s,4.8
MOS II 08 11 02 35.3–.91 25.13N 63.37E 11 5.2b,4.9s
BJI II 08 11 02 35.7–.00 25.08N 63.52E 8 5.3b,5.2s
NEIC II 08 11 02 37.5–1.6 25.14N–.07 63.31E–.07 10–1 5.2b,5.2s
GCMT II 08 11 02 38.5–.20 24.79N–.01 63.25E–.01 23–0 5.3W,5.2s
OMAN II 08 11 02 46.9–.99 24.74N 62.60E 20 6.5b,5.2
ISC Event type se.
TEH Error ellipse: s-maj=0.4km s-min=0.7km az=-1.0.
IDC Error ellipse: s-maj=11.6km s-min=9.0km az=177.0.
MOS Error ellipse: s-maj=4.8km s-min=3.0km az=108.9.
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=8.8km az=31.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s82,c118; s107,c156;Duration: 1$\frac{}{}$0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.67±.02 $M_{\theta\theta}$-0.47±.02; $M_{\phi\phi}$-0.20±.01; $M_{r\theta}$0.76±.04; $M_{\theta\phi}$0.17±.01; $M_{\phi r}$-0.21±.03; Best double couple: NP1:ϕ_s108.00000°,δ71.00000°,λ86.00000°. NP2:ϕ_s300.00000°,δ19.00000°,λ101.00000°. Principal axes: T 1.0570,Plg64.0000° ,Azm12.0000°; N -0.1280,Plg4.0000°,Azm109.0000°; P -0.9300,Plg26.0000°,Azm201.0000° $M_0$0.99400×10^{17}
OMAN Error ellipse: s-maj=9.4km s-min=4.4km az=101.0.
ISC II 10 08 22 59.5–1.9 25.69N–.06 63.0E–.10 10 47 2-7
TEH II 10 08 22 54.8 25.55N 63.42E 10 4.1L ¶615296575
OMAN II 10 08 23 06.9–.19 25.58N 62.68E 32–9 4.7b,3.4L
ISC Event type ke.
TEH Error ellipse: s-maj=0.4km s-min=0.6km az=-1.0.
OMAN Error ellipse: s-maj=12.2km s-min=1.4km az=248.0.
ISC V 06 12 38 35.2–.77 27.15N–.07 63.31E–.07 10 3.8b 47 3-83
IDC V 06 12 38 33.4–1.4 27.15N 63.47E 0 4.0L,3.8 ¶610689663
OMAN V 06 12 38 50.7–.28 26.72N 62.69E 27–16 4.2L,3.4b
DSN V 06 12 38 51.7–2.8 26.23N 62.47E 10 3.5L,3.4b
ISC Event type ke.
IDC Error ellipse: s-maj=38.1km s-min=22.5km az=131.0.
OMAN Error ellipse: s-maj=22.4km s-min=2.8km az=238.0.
DSN Error ellipse: s-maj=57.4km s-min=20.5km az=10.0.
ISC V 15 22 16 41.2–1.1 25.14N–.07 62.27E–.09 35 3.5b 32 4-72
IDC V 15 22 16 34.4–3.2 24.96N 62.63E 0 3.7,3.7b ¶610690362
OMAN V 15 22 16 45.8–.21 25.06N 61.98E 35–23 3.6b,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=62.2km s-min=25.8km az=156.0.
OMAN Error ellipse: s-maj=2.8km s-min=2.1km az=32.0.
OMAN VI 19 15 21 28.6–.12 27.48N 63.82E 30 3.8b
DSN VI 19 15 21 29.2–2.0 27.99N 63.48E 30 3.5L ¶615319140
OMAN Error ellipse: s-maj=3.8km s-min=1.9km az=315.0.
DSN Error ellipse: s-maj=60.0km s-min=18.1km az=162.0.
OMAN VI 25 23 13 28.4–.25 26.08N 64.10E 10 5.0b
DSN VI 25 23 13 28.2–2.2 26.35N 64.22E 210 3.3L ¶615319234
OMAN Error ellipse: s-maj=6.3km s-min=5.8km az=302.0.
DSN Error ellipse: s-maj=64.7km s-min=21.3km az=165.0.

(355) Gulf of Oman.

ISC III 26 23 37 29.2–3.5 23.17N–.05 60.54E–.08 13–27 51 1-14
OMAN III 26 23 37 31.7–.21 23.17N 60.53E 28–5 3.5L ¶615317179
DSN III 26 23 37 31.4–1.9 23.02N 60.29E 10 3.1L
ISC Event type ke.
OMAN Error ellipse: s-maj=6.1km s-min=2.4km az=263.0.
DSN Error ellipse: s-maj=26.5km s-min=16.7km az=16.0.

(356) Off coast of Pakistan.

OMAN II 14 09 42 22.9–1.6 23.42N 63.64E 10 5.1b,3.7L
¶615386094
OMAN Error ellipse: s-maj=17.3km s-min=11.6km az=140.0.
OMAN II 22 04 42 19.3–.11 23.17N 62.62E 34–4 4.4b,3.3L
¶615386129
OMAN Error ellipse: s-maj=6.0km s-min=1.6km az=285.0.
ISC III 03 01 42 33.6–2.1 24.98N–.07 63.1E–.10 10 76 2-10
TEH III 03 01 42 31.6 24.96N 63.34E 10 3.7L ¶615296728
DSN III 03 01 42 44.3–1.6 25.10N 62.51E 15 3.3L
OMAN III 03 01 42 45.2–.28 24.83N 62.65E 42–23 4.9b,3.5L
ISC Event type ke.
TEH Error ellipse: s-maj=0.7km s-min=0.9km az=-1.0.
DSN Error ellipse: s-maj=25.0km s-min=15.2km az=177.0.
OMAN Error ellipse: s-maj=5.4km s-min=4.7km az=263.0.
ISC III 18 07 26 18.7–3.9 24.87N–.08 62.9E–.20 35 3.8b 33 2-50
IDC III 18 07 26 01.3–86 24.19N 63.40E 0 4.0,4.0b ¶610546435
OMAN III 18 07 26 18.8–1.5 24.81N 62.80E 25 4.5b,3.2L
ISC Event type ke.
IDC Error ellipse: s-maj=1687.0km s-min=78.2km az=174.0.
OMAN Error ellipse: s-maj=12.3km s-min=9.8km az=77.0.
ISC V 24 07 35 19.8–1.1 24.79N–.06 61.43E–.09 10 3.7b 38 3-84
IDC V 24 07 35 17.4–1.6 24.68N 61.58E 0 3.7,3.7b ¶610685282
OMAN V 24 07 35 26.4–1.5 24.71N 61.26E 10–43 4.5b,3.9L
ISC Event type ke.
IDC Error ellipse: s-maj=41.5km s-min=33.4km az=152.0.
OMAN Error ellipse: s-maj=11.9km s-min=10.0km az=91.0.
OMAN VI 05 01 37 25.4–1.6 24.75N 62.31E 12–9 4.4b,3.0L
¶615375557
OMAN Error ellipse: s-maj=13.9km s-min=8.0km az=61.0.

SEISMIC REGION 30.
Middle East-Crimea-Eastern Balkans.

(357) Ukraine-Moldova-Southwestern Russia region.

ISC I 26 15 29 55.6–.78 48.09N–.02 23.18E–.02 13–5 151 0-4
KRSZO I 26 15 29 54.8–1.2 48.09N 23.20E 11–7 2.8L ¶610130719
SIGU I 26 15 29 54.4–.10 48.1N–.60 23.3E–.60 15–0 2.2,2.0L
BUC I 26 15 29 55.8–.25 48.06N 23.17E 12–1 2.6L,2.0L
MCSM I 26 15 29 56.9–.50 48N–4.0 23E–2.0 5–3 2.7,2.0L
ISC Event type ke.
KRSZO Event type ke.
BUC Event type ke.
IDC I 31 12 08 18.9–531 48.68N 42.40E 0
¶610235818
IDC Error ellipse: s-maj=193.9km s-min=153.3km az=13.0.
IDC III 23 00 59 33.9–636 49.62N 37.55E 0
¶610543497
IDC Error ellipse: s-maj=261.5km s-min=142.6km az=14.0.
IDC III 23 01 31 35.6–622 49.60N 37.56E 0
¶610543498
IDC Error ellipse: s-maj=252.3km s-min=138.4km az=13.0.
IDC III 23 03 40 34.1–617 49.82N 37.45E 0
¶610543503
IDC Error ellipse: s-maj=253.7km s-min=134.1km az=12.0.
IDC III 23 06 32 28.9–597 49.94N 37.70E 0
¶610543514
IDC Error ellipse: s-maj=239.8km s-min=136.9km az=13.0.
IDC III 23 07 23 15.3–610 49.92N 37.59E 0
¶610543516
IDC Error ellipse: s-maj=251.5km s-min=136.0km az=12.0.
IDC III 23 08 09 54.5–609 49.85N 37.59E 0
¶610543521
IDC Error ellipse: s-maj=245.9km s-min=137.3km az=13.0.
IDC III 23 08 52 50.0–608 49.84N 37.62E 0
¶610543522
IDC Error ellipse: s-maj=249.7km s-min=135.2km az=12.0.
IDC III 23 09 11 25.8–618 49.67N 37.77E 0
¶610543525
IDC Error ellipse: s-maj=256.1km s-min=138.8km az=12.0.
IDC III 23 10 07 14.7–612 49.69N 37.84E 0
¶610543527
IDC Error ellipse: s-maj=253.9km s-min=138.5km az=11.0.
IDC III 23 10 48 46.2–613 49.71N 37.75E 0
¶610543531
IDC Error ellipse: s-maj=252.0km s-min=138.2km az=12.0.
IDC IV 06 12 57 22.8–4.7 48.29N 42.03E 0 3.4,3.1L
¶610652078
IDC Error ellipse: s-maj=171.0km s-min=38.1km az=82.0.
BUC IV 27 09 48 37.8–.37 45.12N 28.88E 1 1.2L
¶610622956
BUC Event type ke. Error ellipse: s-maj=2.7km s-min=1.4km az=81.0.
ISC V 18 04 24 26.6–1.2 44.14N–.04 44.49E–.03 20–4 59 0-3
NORS V 18 04 24 25.9–.00 44.17N 44.52E 19–0 3.7 ¶612733517
MOS V 18 04 24 26.9–.00 44.09N 44.41E 22–0 3.5
DRS V 18 04 24 31.1–.00 44.13N 44.38E 24 3.5
ISC Event type se.
NORS Event type se.
MOS Event type se.
DRS Event type se.
ISC VI 06 17 27 07.8–1.0 48.28N–.01 23.69E–.01 5–8 187 0-98
PRU VI 06 17 27 04.7 47.70N 23.84E 0 ¶610664204
IDC VI 06 17 27 07.8–1.1 48.30N 23.57E 0 3.3b,3.2
KRSZO VI 06 17 27 09.0–1.4 48.27N 23.65E 9–10 3.3L,3.2
SIGU VI 06 17 27 09.7 48.29N 23.68E 5 3.3L,3.2
MCSM VI 06 17 27 09.9–.50 48N–4.0 24E–2.0 7–2 3.3L,3.2
ISC Event type ke.
KRSZO Event type ke.

(358) Romania.

ISC I 05 04 23 53.5–1.2 45.67N–.02 26.48E–.02 159–5 335 0-6
MCSM I 05 04 23 54.8–.50 46N–7.0 27E–9.0 144–4 3.7L ¶609985363
BUC I 05 04 23 55.7–.22 45.66N 26.53E 142–1 3.9L
SIGU I 05 04 23 55.1 45.71N 26.55E 147 3.4b
SOF I 05 04 23 57.9 45.61N 26.40E 83 3.4

BEO I 05 04 24 00.2–1.4 45.47N 26.21E 54–0 3.0L
ISC Event type ke.
BUC Event type ke. Error ellipse: s-maj=1.5km s-min=1.2km az=163.0.
BEO Event type ke.
ISC I 05 13 16 08.8–1.3 45.67N–.03 26.52E–.02 150–5 210 0-5
BUC I 05 13 16 09.8–.24 45.63N 26.51E 141–1 3.8L **¶609997964**
MCSM I 05 13 16 09.3–.90 46N–8.0 27E–6.0 141–8 3.5L
SOF I 05 13 16 11.1 45.65N 26.40E 80 3.3
ISC Event type ke.
BUC Event type ke. Error ellipse: s-maj=1.6km s-min=1.2km az=174.0.
ISC I 05 14 47 43.1–1.2 45.77N–.02 26.70E–.02 124–4 264 0-6
MCSM I 05 14 47 43.7–.30 46N–4.0 27E–6.0 113–4 3.9L **¶609997967**
BUC I 05 14 47 44.1–.23 45.76N 26.73E 114–2 3.9L
SOF I 05 14 47 45.5 45.67N 26.69E 80 3.6
BEO I 05 14 47 45.1–.80 45.34N 26.36E 0 3.0L
ISC Event type ke.
BUC Event type ke. Error ellipse: s-maj=1.5km s-min=1.3km az=165.0.
BEO Event type ke.
ISC I 06 14 01 10.3–1.3 45.71N–.03 26.65E–.03 143–6 168 0-6
BUC I 06 14 01 10.7–.24 45.70N 26.65E 138–1 3.6L **¶610038451**
MCSM I 06 14 01 10.6–.90 46N–7.0 27E–6.0 136–8 3.6L
ISC Event type ke.
BUC Event type ke.
BUC I 08 23 55 24.7–.24 44.91N 22.51E 8–3 1.0L
¶610247149
BUC Event type ke. Error ellipse: s-maj=1.7km s-min=1.2km az=74.0.
BUC I 16 00 34 25.2–.23 44.61N 26.67E 14–1 1.6L
¶610247171
BUC Event type ke. Error ellipse: s-maj=1.6km s-min=1.3km az=34.0.
ISC I 22 07 52 09.2–1.3 47.99N–.02 27.26E–.03 1–11 84 0-4
MCSM I 22 07 52 10.1–.90 48N–7.0 27E–2.0 2–2 2.7L **¶614620045**
ISC Event type ke.
ISC I 27 00 16 24.0–1.2 45.78N–.02 26.63E–.02 85–4 234 0-6
MCSM I 27 00 16 24.0–.90 46N–9.0 27E–8.0 77–5 3.5L **¶610133047**
BUC I 27 00 16 24.5–.15 45.78N 26.64E 80–1 3.5L
SOF I 27 00 16 24.3 45.74N 26.64E 100 3.3
BEO I 27 00 16 29.0–1.2 45.54N 25.68E 0 2.9L
ISC Event type ke.
BUC Event type ke. Error ellipse: s-maj=1.2km s-min=0.9km az=18.0.
BEO Event type ke.
BUC I 30 12 37 45.1–.29 45.50N 27.85E 3–2 1.9L
¶610247206
BUC Event type ke. Error ellipse: s-maj=1.8km s-min=1.5km az=57.0.
BUC I 30 16 23 11.1–.26 45.49N 27.85E 4–2 1.7L
¶610247199
BUC Event type ke. Error ellipse: s-maj=1.8km s-min=1.3km az=49.0.
BUC I 30 17 11 12.6–.30 45.51N 27.86E 5 1.4L
¶610247195
BUC Event type ke. Error ellipse: s-maj=4.7km s-min=1.5km az=49.0.
ISC II 08 09 52 05.7–.42 45.67N–.03 26.65E–.02 132–3 4.3b 505 0-71
MOS II 08 09 52 04.9–.84 45.71N 26.66E 137 4.5b **¶611831760**
IDC II 08 09 52 05.8–.42 45.76N 26.48E 127–4 4.2,3.9b
MCSM II 08 09 52 05.3–.40 46N–4.0 27E–3.0 132–4 4.6L,3.9b
SIGU II 08 09 52 05.8–.10 45.7N–.70 26.7E–.80 131–0 3.8,3.6b
SOF II 08 09 52 06.9 45.65N 26.57E 100 4.3,3.6b
NEIC II 08 09 52 06.1–2.5 45.74N–.06 26.66E–.08 129–5 4.4b,3.6b
BUC II 08 09 52 06.0–.22 45.70N 26.67E 130–1 4.4L,3.6b
BEO II 08 09 52 07.7–.80 45.56N 26.07E 0 4.1L,3.6b
CFUSG II 08 09 52 07.1 45.70N 26.70E 100 3.8b,3.6b
ISC Event type ke.
MOS Error ellipse: s-maj=5.5km s-min=3.6km az=79.6.
IDC Error ellipse: s-maj=12.8km s-min=8.1km az=155.0.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=7.3km az=221.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BUC Event type ke. Error ellipse: s-maj=1.6km s-min=1.3km az=4.0.
BEO Event type ke.
CFUSG Romania. Magtype MSH 3.7 from 3 stations.
ISC II 08 15 08 20.4–.38 45.51N–.03 26.25E–.02 126–3 4.7b 1238 0-129
MOS II 08 15 08 19.5–.85 45.52N 26.29E 131 4.8b **¶610205573**
MCSM II 08 15 08 19.7–.70 45N–6.0 26E–4.0 129–7 4.7L
NEIC II 08 15 08 20.6–2.2 45.52N–.06 26.26E–.09 127–5 4.7b
BUC II 08 15 08 20.9–.19 45.49N 26.29E 123–1 5.0L
MED_R II 08 15 08 20.0–.30 45.49N 26.49E 128–4 4.5W
PDG II 08 15 08 20.2–1.4 45.50N 26.27E 38–15 4.7L
IDC II 08 15 08 20.4–.25 45.54N 26.11E 125–2 4.7,4.4b
SIGU II 08 15 08 20.2–.10 45.5N–.80 26.3E–.80 131 4.3b,4.2
SOF II 08 15 08 21.2 45.49N 26.23E 100 5.0,4.2
CFUSG II 08 15 08 21.2 45.50N 26.40E 100 4.2b,4.2
BEO II 08 15 08 24.1–1.2 45.43N 26.14E 105–8 4.6L,4.2
PRU II 08 15 08 29.6–.00 45.38N 24.46E 0 4.7,4.2
ISC Event type ke. Moment Tensor Solution. NP1:ϕ_s65.19428°,δ49.54439°,λ128.19533°. NP2: ϕ_s194.70636°,δ53.27293°,λ54.05320°. Principal axes: T Plg61.8439°,Azm43.1036° ; N Plg28.0670°,Azm218.1492°; P Plg2.0608°,Azm309.2486° Moment Tensor Solution. NP1: ϕ_s53.72871°,δ45.42170°,λ72.09048°. NP2:ϕ_s258.45190°,δ47.32986°,λ107.33184°. Principal axes: T Plg77.3084°,Azm241.9480°; N Plg12.6527°,Azm66.5089°; P Plg0.9767° ,Azm336.2896°
MOS Error ellipse: s-maj=3.4km s-min=2.6km az=116.8.
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=8.2km az=98.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BUC Event type ke. Error ellipse: s-maj=1.5km s-min=1.1km az=15.0.
MED_R Error ellipse: s-maj=4.4km s-min=3.3km az=-1.0. nsta1 refers to body waves. nsta2 refers to surface waves, cutoff=35s. Moment Tensor Solution. Mantle waves: s20,c26;Duration: 1s1 Moment tensor: Scale 10^{16}Nm; M_{rr}0.82±.04 $M_{\theta\theta}$-0.73±.06; $M_{\phi\phi}$-0.09±.06; $M_{r\theta}$-0.03±.05; $M_{\theta\phi}$-0.28±.04; $M_{\phi r}$-0.19±.04; Best double couple: NP1:ϕ_s238.00000°,δ49.00000°,λ75.00000°. NP2:ϕ_s80.00000°,δ43.00000°,λ106.00000°. Principal axes: T 0.8600,Plg78.0000° ,Azm85.0000°; N -0.0200,Plg11.0000°,Azm248.0000°; P -0.8300,Plg3.0000°,Azm339.0000° $M_0$0.84000×10^{16}
PDG Event type ke. Error ellipse: s-maj=2.3km s-min=3.9km az=0.0.
IDC Error ellipse: s-maj=7.6km s-min=6.6km az=145.0.
CFUSG Romania. Magtype MSH 4.1 from 4 stations.
BEO Event type ke.
ISC II 22 09 29 43.9–1.3 45.67N–.03 26.77E–.03 151–6 145 0-5
MCSM II 22 09 29 45.0–.70 46N–6.0 27E–5.0 140–5 3.8L **¶610328537**
BUC II 22 09 29 45.3–.29 45.66N 26.76E 139–2 3.6L
ISC Event type ke.
BUC Event type ke. Error ellipse: s-maj=2.0km s-min=1.6km az=165.0.
BUC II 26 04 21 07.2–.21 45.70N 26.61E 139–1 3.5L
¶610328557
BUC Event type ke. Error ellipse: s-maj=1.4km s-min=1.2km az=173.0.
ISC III 01 20 11 47.4–.91 45.24N–.01 27.23E–.01 12–7 162 0-39
IDC III 01 20 11 44.4–4.4 45.02N 27.56E 0 3.3b,3.2 **¶610532584**
SIGU III 01 20 11 47.0–.10 45.3N–.60 27.2E–.70 5 3.3,3.0b
MCSM III 01 20 11 47.6–.50 45N–3.0 27E–4.0 7–3 3.1L,3.0b
SOF III 01 20 11 47.2 45.24N 27.26E 10 3.1,3.0b
BUC III 01 20 11 48.0–.12 45.24N 27.21E 9–1 3.0L,3.0b
CFUSG III 01 20 11 48.9 45.20N 27.30E 10 2.9b,3.0b
ISC Event type ke.
IDC Error ellipse: s-maj=178.0km s-min=23.3km az=111.0.
BUC Event type ke. Error ellipse: s-maj=0.9km s-min=0.9km az=158.0.
CFUSG Romania. Magtype MSH 3.5 from 2 stations.
BUC III 03 11 24 07.1–.12 45.96N 22.72E 2–1 1.5L
¶610532594
BUC Event type ke. Error ellipse: s-maj=1.0km s-min=0.9km az=121.0.
ISC III 07 02 51 26.3–.62 45.70N–.02 26.58E–.02 141–4 3.6b 293 0-68
CFUSG III 07 02 51 25.0 45.70N 26.60E 150 3.6b **¶610247309**
MCSM III 07 02 51 26.4–.50 46N–5.0 27E–6.0 137–4 4.2L
BUC III 07 02 51 26.9–.18 45.70N 26.61E 135–1 4.1L
SIGU III 07 02 51 26.8–.10 45.7N–.80 26.6E–.80 135 3.8,3.4b
IDC III 07 02 51 26.2–.50 45.74N 26.46E 133–3 3.8,3.4b
BEO III 07 02 51 28.7–.70 45.60N 26.35E 24–9 3.5L,3.4b
SOF III 07 02 51 28.9 45.64N 26.54E 80 4.0,3.4b
ISC Event type ke.
CFUSG Romania. Magtype MSH 3.8 from 4 stations.
BUC Event type ke. Error ellipse: s-maj=1.3km s-min=1.1km az=23.0.
IDC Error ellipse: s-maj=15.7km s-min=12.0km az=143.0.
BEO Event type ke.
ISC III 08 13 43 12.9–.48 45.66N–.03 26.48E–.02 147–4 4.0b 486 0-84
IDC III 08 13 43 12.8–.33 45.68N 26.31E 140–3 3.9,3.8s **¶610274489**
MCSM III 08 13 43 12.7–.70 46N–7.0 26E–7.0 145–4 4.1L,3.8s
MOS III 08 13 43 12.2–.76 45.69N 26.45E 150 4.1b,3.8s
SIGU III 08 13 43 13.1–.10 45.7N–.80 26.5E–.80 144 3.9,3.4b
BEO III 08 13 43 13.2–.90 45.57N 26.16E 0 3.7L,3.4b
CFUSG III 08 13 43 13.3 45.60N 26.60E 150 3.6b,3.4b
NEIC III 08 13 43 13.1–1.5 45.66N–.02 26.46E–.06 149–3 4.2L,4.1b
BUC III 08 13 43 13.3–.23 45.64N 26.48E 143–1 4.2L,4.1b
SOF III 08 13 43 13.6 45.75N 26.39E 43 4.0,4.1b
ISC Event type ke.
IDC Error ellipse: s-maj=13.8km s-min=9.7km az=154.0.
MOS Error ellipse: s-maj=5.8km s-min=4.3km az=86.1.
BEO Event type ke.
CFUSG Romania. Magtype MSH 3.7 from 3 stations.
NEIC Event type se. Error ellipse: s-maj=6.2km s-min=2.7km az=83.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BUC Event type ke. Error ellipse: s-maj=1.6km s-min=1.4km az=175.0.
ISC III 09 01 50 04.8–1.3 45.68N–.03 26.59E–.03 149–6 142 0-9
BUC III 09 01 50 05.7–.25 45.67N 26.59E 140–2 3.5L **¶610532618**
SOF III 09 01 50 05.9 45.79N 26.51E 80 3.2
MCSM III 09 01 50 05.2–.80 46N–8.0 27E–8.0 142–5 3.6L
ISC Event type ke.
BUC Event type ke.
BUC III 10 04 10 39.6–.43 45.53N 26.47E 114–3 2.4L
¶610532632
BUC Event type ke. Error ellipse: s-maj=5.2km s-min=2.0km az=0.0.
ISC III 10 10 48 02.6–1.3 45.69N–.03 26.57E–.03 144–6 140 0-9
MCSM III 10 10 48 03.3–1.0 46N–10 27E–9.0 135–6 3.7L **¶610532634**
BUC III 10 10 48 03.7–.23 45.66N 26.56E 135–1 3.8L
SOF III 10 10 48 06.6 45.50N 26.44E 100 3.3
ISC Event type ke.
BUC Event type ke. Error ellipse: s-maj=1.6km s-min=1.2km az=167.0.
BUC III 14 13 15 29.1–.26 45.30N 25.10E 5 0.9L
¶610532646
BUC Event type ke. Error ellipse: s-maj=2.7km s-min=1.4km az=176.0.
BUC III 16 14 04 45.0–.18 46.07N 21.73E 6–3 1.5L
¶610532665
BUC Event type ke. Error ellipse: s-maj=1.8km s-min=1.0km az=104.0.
BUC III 17 12 23 57.2–.14 46.35N 23.15E 5 1.9L
¶610532676
BUC Event type ke. Error ellipse: s-maj=1.3km s-min=1.1km az=99.0.
BUC III 18 10 33 33.4–.29 46.14N 21.72E 9–2 1.6L
KRSZO III 18 10 33 33.3–1.1 46.15N 21.75E 7–7 1.6L **¶610401408**
BUC Event type ke. Error ellipse: s-maj=2.8km s-min=1.8km az=98.0.
KRSZO Event type ke. Error ellipse: s-maj=5.8km s-min=3.7km az=93.0.
BUC III 24 02 02 39.1–.26 45.62N 26.51E 85–2 3.3L
SOF III 24 02 02 39.2 45.56N 26.46E 100 3.1 **¶610532374**
BUC Event type ke. Error ellipse: s-maj=1.8km s-min=1.5km az=24.0.
BUC III 25 23 17 09.4–.17 45.51N 27.63E 11–1 1.1L
¶610532386
BUC Event type ke. Error ellipse: s-maj=2.1km s-min=1.0km az=31.0.
ISC III 26 20 38 41.2–.82 45.48N–.02 26.27E–.02 94–4 3.5b 240 0-64
IDC III 26 20 38 35.7–.75 46.06N 26.85E 0 3.5b,3.4 **¶610435243**
SIGU III 26 20 38 40.6 45.51N 26.28E 91 3.5b,3.4
MCSM III 26 20 38 40.0–.50 45N–5.0 26E–4.0 88–5 4.0L,3.4
BUC III 26 20 38 40.6–.18 45.48N 26.25E 89–2 4.0L,3.4
SOF III 26 20 38 40.5 45.46N 26.21E 90 3.9,3.4
CFUSG III 26 20 38 42.0 45.66N 26.50E 86 2.8b,3.4
BEO III 26 20 38 44.3–1.4 45.44N 25.97E 94–0 3.4L,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=12.8km s-min=7.6km az=134.0.
BUC Event type ke. Error ellipse: s-maj=1.2km s-min=1.1km az=0.0.
CFUSG Romania. Magtype MSH 3.4 from 4 stations.
BEO Event type ke.
ISC III 27 09 11 20.2–1.3 45.52N–.03 26.35E–.03 144–6 134 0-6
BUC III 27 09 11 21.7–.31 45.50N 26.39E 131–2 3.7L **¶610532389**
BEO III 27 09 11 21.1–.90 45.43N 26.07E 0 2.8L
MCSM III 27 09 11 21.3–.60 46N–5.0 26E–8.0 129–5 3.7L
SOF III 27 09 11 22.8 45.48N 26.34E 100 3.3
ISC Event type ke.
BUC Event type ke. Error ellipse: s-maj=2.0km s-min=1.7km az=169.0.
BEO Event type ke.
BUC IV 09 18 21 04.8–.11 45.70N 27.85E 14–0 1.6L
¶610630710
BUC Event type ke. Error ellipse: s-maj=1.0km s-min=0.8km az=52.0.
ISC IV 10 16 18 07.0–1.3 45.57N–.03 26.36E–.03 159–6 135 0-6
BEO IV 10 16 18 07.3–1.9 45.49N 26.71E 56–3 2.9L **¶610525137**
BUC IV 10 16 18 08.7–.27 45.57N 26.39E 144–2 3.8L
CFUSG IV 10 16 18 09.2 45.60N 26.50E 150 3.0b
ISC Event type ke.
BEO Event type ke.
BUC Event type ke. Error ellipse: s-maj=1.8km s-min=1.4km az=167.0.
CFUSG Romania. Magtype MSH 3.3 from 1 stations.
ISC IV 19 11 15 54.0–1.4 45.46N–.03 26.30E–.03 144–7 96 0-3
BUC IV 19 11 15 55.2–.32 45.45N 26.30E 133–2 3.6L **¶610622927**
SOF IV 19 11 15 56.1 45.45N 26.26E 100 3.3
ISC Event type ke.
BUC Event type ke. Error ellipse: s-maj=2.0km s-min=1.6km az=152.0.
ISC IV 28 02 25 45.5–1.5 45.71N–.04 26.73E–.04 77–9 30 0-2
BUC IV 28 02 25 45.4–.26 45.71N 26.73E 75–2 2.8L **¶610622964**
ISC Event type ke.
BUC Event type ke. Error ellipse: s-maj=1.9km s-min=1.4km az=32.0.
ISC V 03 05 59 35.6–.50 45.63N–.02 26.54E–.02 145–4 3.9b 431 0-93
MOS V 03 05 59 34.4–.89 45.69N 26.50E 142 4.2b **¶612533662**
SIGU V 03 05 59 34.6 45.64N 26.50E 145 4.2b
BUC V 03 05 59 35.8–.25 45.61N 26.52E 136–2 4.3L
MCSM V 03 05 59 35.5–.20 46N–2.0 27E–4.0 134–6 4.3L
SOF V 03 05 59 35.0 45.61N 26.44E 144 4.4
CFUSG V 03 05 59 35.5 45.60N 26.50E 150 3.5b
NEIC V 03 05 59 35.4–1.7 45.65N–.06 26.5E–.10 143–8 4.2b
IDC V 03 05 59 35.4–.38 45.83N 26.25E 134–3 4.1,3.6b
PRU V 03 05 59 36.7 45.62N 26.45E 83 4.2,3.6b
THE V 03 05 59 38.5 45.33N 26.31E 14–39 3.4L,3.6b
BEO V 03 05 59 43.6–.50 45.55N 25.87E 100 3.6L,3.6b
ISC Event type ke.
MOS Error ellipse: s-maj=6.7km s-min=4.7km az=113.6.
BUC Event type ke. Error ellipse: s-maj=1.8km s-min=1.4km az=12.0.
CFUSG Romania. Magtype MSH 3.7 from 2 stations.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=8.7km az=56.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=12.5km s-min=9.5km az=133.0.
THE Event type ke. Error ellipse: s-maj=51.8km s-min=3.9km az=7.0.
BEO Event type ke.
ISC V 06 17 01 11.2–.65 45.52N–.02 26.38E–.02 140–4 3.4b 228 0-68
SOF V 06 17 01 09.7 45.44N 26.26E 10 3.8 **¶610617757**
SIGU V 06 17 01 11.8 45.51N 26.37E 132 3.7b
BUC V 06 17 01 11.7–.20 45.48N 26.38E 130–1 4.0L
MCSM V 06 17 01 11.5–1.1 46N–8.0 27E–5.0 132–7 4.0L
IDC V 06 17 01 11.4–.62 45.64N 26.13E 136–6 3.5,3.1b
ISC Event type ke.
BUC Event type ke. Error ellipse: s-maj=1.5km s-min=1.2km az=173.0.

IDC Error ellipse: s-maj=20.3km s-min=13.4km az=153.0.
ISC V 13 09 21 58.0–1.2 45.52N–.02 26.32E–.02 133–5 172 0-6
MCSM V 13 09 21 59.1–.70 46N–7.0 26E–8.0 119–5 3.8L **¶610670643**
BUC V 13 09 21 59.5–.28 45.51N 26.35E 119–2 3.8L
BEO V 13 09 22 00.9–.90 45.37N 25.86E 0 3.1L
SOF V 13 09 22 00.9 45.47N 26.31E 80 3.5
ISC Event type ke.
BUC Event type ke. Error ellipse: s-maj=1.7km s-min=1.4km az=152.0.
BEO Event type ke.
ISC V 19 20 02 44.2–.39 45.77N–.03 26.71E–.02 124–3 4.3b 764 0-144
CFUSG V 19 20 02 42.5 46.13N 26.87E 111 4.0b **¶611833929**
MOS V 19 20 02 42.9–1.1 45.78N 26.77E 122 4.3b
MCSM V 19 20 02 43.5–.30 46N–3.0 27E–3.0 119–3 4.6L
PDG V 19 20 02 44.4–.49 45.71N 26.65E 118–1 4.2L
SOF V 19 20 02 44.4 45.76N 26.65E 101 4.8
NEIC V 19 20 02 44.1–2.9 45.74N–.05 26.65E–.05 125–3 4.3b
BUC V 19 20 02 44.6–.19 45.72N 26.76E 122–1 4.6L
IDC V 19 20 02 44.7–.39 45.76N 26.53E 123–4 4.2,3.9b
SIGU V 19 20 02 45.1 45.71N 26.74E 118 4.2,3.9b
MED_R V 19 20 02 45.0–2.8 45.70N 26.98E 130–11 4.3W,3.9b
BEO V 19 20 02 46.6–1.6 45.65N 26.77E 113–1 4.4L,3.9b
THE V 19 20 02 48.8 45.32N 26.56E 135–22 4.1L,3.9b
ISC Event type ke.
CFUSG Romania. Magtype MSH 3.6 from 5 stations.
MOS Error ellipse: s-maj=4.6km s-min=3.8km az=105.3.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=0.9km az=0.0.
NEIC Event type se. Error ellipse: s-maj=6.6km s-min=5.5km az=181.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BUC Event type ke. Error ellipse: s-maj=1.5km s-min=1.2km az=9.0.
IDC Error ellipse: s-maj=12.4km s-min=9.6km az=171.0.
MED_R Error ellipse: s-maj=17.8km s-min=8.9km az=-1.0. nsta1 refers to body waves. nsta2 refers to surface waves, cutoff=35s. Moment Tensor Solution. Mantle waves: s9,c10;Duration: 1θ0 Moment tensor: Scale 10^{15}Nm; M_{rr}2.88±.53 $M_{\theta\theta}$0.21±.61; $M_{\phi\phi}$-3.09±.35; $M_{r\theta}$2.04±.44; $M_{\theta\phi}$1.79±.87; $M_{\phi r}$-0.48±.40; Best double couple: NP1:ϕ_s130.00000°,δ62.00000°,λ58.00000°. NP2:ϕ_s3.00000°,δ42.00000°,λ134.00000°. Principal axes: T 4.0100,Plg60.0000° ,Azm352.0000°; N 0.1100,Plg28.0000°,Azm147.0000°; P -4.1200,Plg11.0000° ,Azm243.0000° $M_0$4.07000×10^{15}
BEO Event type ke.
THE Event type ke. Error ellipse: s-maj=23.6km s-min=2.7km az=185.0.
ISC V 22 08 27 38.7–1.4 45.74N–.03 26.71E–.03 133–6 106 0-5
BUC V 22 08 27 39.7–.27 45.71N 26.72E 124–2 3.7L **¶610670677**
MCSM V 22 08 27 39.0–.70 46N–6.0 27E–7.0 126–4 3.7L
SOF V 22 08 27 40.0 45.64N 26.71E 122 3.4
ISC Event type ke.
BUC Event type ke. Error ellipse: s-maj=1.7km s-min=1.5km az=157.0.
BUC VI 17 18 18 14.5–.32 45.72N 26.68E 133–2 3.5L
¶610768952
BUC Event type ke. Error ellipse: s-maj=2.0km s-min=1.7km az=154.0.
BUC VI 20 00 39 12.9–.48 45.14N 25.93E 5 1.3L
¶610768960
BUC Event type ke. Error ellipse: s-maj=3.6km s-min=1.9km az=175.0.
BUC VI 22 12 43 10.1–.26 46.33N 23.15E 5 1.1L
¶610768985
BUC Event type ke. Error ellipse: s-maj=2.1km s-min=1.6km az=97.0.
ISC VI 23 23 50 00.3–.51 45.53N–.03 26.29E–.02 148–4 3.5b 318 0-119
NAO VI 23 23 49 29.1 43.09N 25.87E 33 3.2b **¶611017621**
NEIC VI 23 23 50 00.1–1.7 45.55N–.05 26.36E–.03 152–5 4.2L,4.1b
MCSM VI 23 23 50 00.5–.40 46N–3.0 26E–4.0 137–5 4.2L,4.1b
BUC VI 23 23 50 00.9–.21 45.51N 26.32E 139–1 4.2L,4.1b
IDC VI 23 23 50 00.7–.55 45.68N 26.13E 139–4 3.6,3.1b
BEO VI 23 23 50 01.4–.70 45.38N 25.96E 0–7 3.1L,3.1b
SOF VI 23 23 50 01.5 45.56N 26.24E 100 3.8,3.1b
SIGU VI 23 23 50 01.1 45.59N 26.32E 139 3.8,3.1b
CFUSG VI 23 23 50 03.7 45.50N 26.67E 109 3.0b,3.1b
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=7.4km s-min=2.9km az=180.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BUC Event type ke. Error ellipse: s-maj=1.4km s-min=1.2km az=166.0.
IDC Error ellipse: s-maj=16.3km s-min=10.4km az=140.0.
BEO Event type ke.
CFUSG Romania. Magtype MSH 3.7 from 4 stations.
ISC VI 25 09 48 45.4–.70 45.68N–.03 26.52E–.02 156–4 3.9b 276 0-38
NAO VI 25 09 48 43.9 46.20N 26.95E 33 3.3b **¶610694605**
SOF VI 25 09 48 45.4 45.64N 26.39E 5 4.0
IDC VI 25 09 48 45.3–.72 45.85N 26.45E 141–6 3.7,3.3b
BUC VI 25 09 48 47.5–.25 45.66N 26.58E 140–2 4.1L,3.3b
SIGU VI 25 09 48 47.6 45.69N 26.57E 139 3.9b,3.3b
MCSM VI 25 09 48 47.0–.30 46N–3.0 27E–7.0 139–4 4.3L,3.3b
BEO VI 25 09 48 48.8–.70 45.54N 26.27E 14–8 3.3L,3.3b
CFUSG VI 25 09 48 49.1 45.74N 26.83E 122 2.8b,3.3b
ISC Event type ke.
IDC Error ellipse: s-maj=20.5km s-min=14.7km az=115.0.
BUC Event type ke. Error ellipse: s-maj=1.8km s-min=1.5km az=167.0.
BEO Event type ke.
CFUSG Romania. Magtype MSH 3.7 from 2 stations.

(359) Bulgaria.

ISC I 03 22 02 32.2–1.0 43.16N–.02 25.83E–.02 7–8 253 0-18
SOF I 03 22 02 31.6 43.20N 25.83E 16 3.8 **¶609975332**
BEO I 03 22 02 31.4–.60 43.27N 25.82E 0 3.8L
ISK I 03 22 02 31.7 43.14N 25.76E 9–0 3.9L
THE I 03 22 02 32.6 43.14N 25.89E 1–6 3.6L
PDG I 03 22 02 32.5–.57 43.14N 25.82E 14–1 4.1L
NEIC I 03 22 02 34.0–1.5 43.15N–.05 25.82E–.07 21–7 4.2b
DDA I 03 22 02 33.2–.00 42.93N 25.75E 12–1 3.9W
ISC Event type ke.
BEO Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=9.9km s-min=1.5km az=14.0.
PDG Event type ke. Error ellipse: s-maj=0.5km s-min=0.8km az=0.0.
NEIC Event type se. Error ellipse: s-maj=7.2km s-min=6.7km az=79.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 04 04 34 21.5–1.1 42.14N–.01 25.22E–.02 1–10 124 0-4
ISK I 04 04 34 21.8 42.15N 25.15E 5–0 2.9L **¶610678797**
ATH I 04 04 34 22.7 42.16N 25.29E 5–2 2.5L
THE I 04 04 34 23.4 42.09N 25.27E 0–1 2.6L
BEO I 04 04 34 24.4–.70 42.08N 25.10E 0 2.4L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=4.2km s-min=1.7km az=210.0.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.6km az=355.0.
BEO Event type ke.
ISC III 24 17 26 44.4–1.1 42.41N–.02 23.49E–.02 1–10 69 0-4
BEO III 24 17 26 45.3–.30 42.43N 23.50E 0 2.2L **¶610680720**
THE III 24 17 26 46.4 42.38N 23.33E 3–1 2.5L
ISK III 24 17 26 46.7 42.22N 23.54E 5–0 2.5L
ISC Event type ke.
BEO Event type ke.
THE Event type ke. Error ellipse: s-maj=2.2km s-min=1.3km az=296.0.
ISK Event type ke.
ISC III 24 17 40 27.3–.98 42.42N–.02 23.51E–.02 6–8 101 0-5
SOF III 24 17 40 26.6 42.41N 23.52E 13 3.1 **¶610434671**
ISK III 24 17 40 27.4 42.36N 23.56E 5–0 3.3L
BEO III 24 17 40 27.4–.30 42.45N 23.52E 5–2 2.8L
THE III 24 17 40 29.1 42.37N 23.35E 6–1 2.9L
ISC Event type ke.
ISK Event type ke.
BEO Event type ke.
THE Event type ke. Error ellipse: s-maj=2.0km s-min=1.5km az=12.0.
ISC III 24 18 34 46.5–1.1 42.39N–.02 23.42E–.02 6–10 72 0-4
BEO III 24 18 34 47.2–.30 42.45N 23.50E 5–2 2.2L **¶610680722**
ISK III 24 18 34 47.2 42.30N 23.50E 5–0 2.7L
THE III 24 18 34 48.8 42.37N 23.38E 7–0 2.5L
ISC Event type ke.
BEO Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=1.2km az=17.0.
ISC IV 10 15 11 12.6–.96 42.45N–.02 23.41E–.02 12–8 58 0-4
SKO IV 10 15 11 10.7 42.71N 23.40E 26 2.5L **¶611015504**
BEO IV 10 15 11 13.0–.30 42.49N 23.47E 1–2 2.2L
THE IV 10 15 11 15.3 42.35N 23.34E 1–2 2.6L
ISC Event type ke.
BEO Event type ke.
THE Event type ke. Error ellipse: s-maj=3.5km s-min=1.8km az=345.0.

(360) Black Sea.

ISC IV 30 03 40 04.9–1.1 43.78N–.02 38.88E–.02 8–7 3.5b 234 0-72
NAO IV 30 03 39 09.1 39.71N 46.28E 33 3.4b **¶610589470**
IDC IV 30 03 40 02.9–.65 43.87N 38.96E 0 3.4,3.4b
CFUSG IV 30 03 40 04.6 43.87N 38.88E 5 2.3b,3.4b
MOS IV 30 03 40 04.2–.00 43.79N 38.92E 7–0 4.3,3.4b
DDA IV 30 03 40 06.5–.00 43.79N 38.91E 8–1 3.7W,3.4b
ISC Event type se.
IDC Error ellipse: s-maj=11.5km s-min=7.5km az=0.0.
CFUSG East of the Black Sea. Magtype MSH 2.9 from 4 stations.
MOS Event type se.
ISC V 07 00 27 00.1–1.7 42.59N–.06 32.86E–.04 5–12 31 1-4
DDA V 07 00 27 02.9–.00 42.45N 32.90E 7–5 2.3L **¶616918755**
ISK V 07 00 28 05.2 41.93N 33.44E 5–0 2.6L
ISC Event type ke.
ISK Event type ke.
ISC V 07 00 27 55.4–1.1 42.63N–.02 33.04E–.03 32–12 99 1-8
ISK V 07 00 27 55.3 42.64N 32.99E 5–0 3.0L **¶611507310**
DDA V 07 00 27 56.9–.00 42.42N 32.88E 36–1 2.8L
SIGU V 07 00 27 58.9 42.61N 33.04E 26 2.8L
ISC Event type ke.
ISK Event type ke.
SIGU Black Sea District 9.
ISC V 07 17 01 40.0–1.6 42.61N–.02 32.89E–.03 13–11 3.6b 141 1-72
ISK V 07 17 01 39.7 42.63N 32.87E 12–0 3.7L **¶610689738**
IDC V 07 17 01 39.0–.61 42.58N 32.96E 0 3.7b,3.6
MCSM V 07 17 01 40.4–.40 43N–3.0 33E–5.0 11–2 4.0b,3.6
CFUSG V 07 17 01 42.2 42.47N 33.04E 25 4.0b,3.6
SIGU V 07 17 01 42.2 42.47N 33.04E 25 4.0b,3.6
BEO V 07 17 01 43.6–1.0 42.16N 32.48E 0 3.7L,3.6
DDA V 07 17 01 43.4–.00 42.48N 32.85E 18–1 3.6W,3.6
ISC Event type ke.
ISK Event type ke.
IDC Error ellipse: s-maj=11.7km s-min=7.7km az=77.0.
CFUSG Black sea district 9.
SIGU Black Sea District 9.
BEO Event type ke.
ISC V 08 20 52 30.9–1.2 42.61N–.02 32.94E–.03 6–10 104 1-9
ISK V 08 20 52 30.5 42.62N 33.17E 5–0 3.1L **¶611507430**
CFUSG V 08 20 52 33.6 42.58N 32.90E 9 3.1L
SIGU V 08 20 52 33.1 42.58N 32.90E 9 3.1L
DDA V 08 20 52 35.7–.00 42.41N 32.86E 30–0 2.9L
ISC Event type ke.
ISK Event type ke.
CFUSG Black sea district 9.
SIGU Black Sea District 9.
DDA V 10 07 48 07.5–.00 42.45N 32.92E 8–5 2.6L
¶612622942
IDC VI 11 20 21 42.9–2.0 44.63N 30.34E 0 3.6b,3.4
¶610791673
IDC Error ellipse: s-maj=58.1km s-min=20.5km az=174.0.

(361) Crimea region.

ISC II 01 05 02 17.8–.90 44.83N–.07 37.00E–.02 30–8 42 0-21
IDC II 01 05 02 15.3–1.1 44.73N 36.87E 0 3.2,3.2b **¶610159396**
CFUSG II 01 05 02 17.6 44.62N 36.98E 16 3.2,3.2b
MOS II 01 05 02 17.6–.00 44.71N 37.01E 31–0 3.5,3.2b
SIGU II 01 05 02 17.6 44.62N 36.98E 16 3.5,3.2b
ISC Event type se.
IDC Error ellipse: s-maj=16.9km s-min=10.9km az=82.0.
CFUSG Black sea district 5.
MOS Event type se.
SIGU Black Sea District 5.
ISC VI 16 18 17 33.8–.82 44.94N–.04 36.85E–.02 32–6 4.1b,3.2s 449 0-128
PRU VI 16 18 17 28.8 44.18N 37.39E 0 4.4,3.2s **¶611834124**
NEIC VI 16 18 17 32.5–2.1 44.89N–.06 36.91E–.07 15–2 4.2b,3.2s
IDC VI 16 18 17 33.3–1.6 44.79N 36.84E 31–13 4.2L,4.0
MCSM VI 16 18 17 33.4–.50 45N–3.0 37E–5.0 14–3 4.3b,4.0
MOS VI 16 18 17 34.3–.00 44.81N 36.86E 34–0 4.7,4.0
SIGU VI 16 18 17 34.8 44.72N 36.74E 9 4.7,4.0
CFUSG VI 16 18 17 34.8 44.72N 36.74E 9 3.0b,4.0
NAO VI 16 18 17 39.8 44.19N 34.06E 33 3.9b,4.0
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.0km s-min=7.0km az=183.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=8.4km s-min=5.9km az=6.0.
MOS Event type se. FELT I=III-IV MSK at Anapa, Su-Pseh, Krymsk, Novorossiisk.
SIGU Black Sea District 5.
CFUSG Black sea district 5. Magtype MSH 3.0 from 6 stations.
ISC VI 20 03 16 02.3–1.0 44.95N–.10 36.90E–.02 28–10 47 0-4
MOS VI 20 03 16 02.7–.00 44.85N 36.90E 36–0 3.5 **¶614854791**
SIGU VI 20 03 16 02.3 44.63N 36.78E 8 3.5
ISC Event type se.
MOS Event type se.
SIGU Black Sea District 5.
MOS VI 20 03 17 07.5–.00 44.83N 36.91E 37–0 3.1
¶614854793
MOS Event type se.
ISC VI 22 18 20 33.4–1.1 44.85N–.09 36.92E–.02 27–9 60 0-4
SIGU VI 22 18 20 33.0 44.68N 36.76E 9 **¶611684843**
MOS VI 22 18 20 33.1–.00 44.78N 36.87E 35–0 3.7
CFUSG VI 22 18 20 33.0 44.68N 36.76E 9 3.7
ISC Event type se.
SIGU Black Sea District 5.
MOS Event type se.
CFUSG Black sea district 5.
ISC VI 23 09 09 58.9–2.1 44.9N–.50 36.88E–.05 16–14 13 0-2
SIGU VI 23 09 09 58.5 45.12N 36.76E 9 **¶614857153**
MOS VI 23 09 10 01.1–.00 44.75N 36.98E 18–0 2.9
ISC Event type se.
SIGU Kuban district 5.
MOS Event type se.
ISC VI 23 18 51 28.4–1.3 44.6N–.10 36.82E–.02 8–11 66 0-4
SIGU VI 23 18 51 28.6 44.55N 36.79E 4 **¶610694327**
CFUSG VI 23 18 51 28.6 44.55N 36.79E 4
MOS VI 23 18 51 30.0–.00 44.83N 36.89E 36–0 3.6
ISC Event type se.
SIGU Black Sea District 5.
CFUSG Black sea district 5. Magtype MSH 2.8 from 6 stations.
MOS Event type se.

(362) Western Caucasus.

ISC I 03 18 24 06.9–.87 42.51N–.02 43.47E–.03 12–6 47 0-2

MOS	I	03 18 24 06.7–.00	42.50N	43.40E	14–0	3.2	¶610505609
NORS	I	03 18 24 06.1–.00	42.50N	43.42E	2–0	3.3	
TIF	I	03 18 24 06.6	42.55N	43.55E	13–1	3.3	
ISC	Event type se.						
MOS	Event type se.						
NORS	Event type se.						
ISC	**I**	**04 02 36 20.8–.91**	**42.77N–.02**	**44.24E–.01**	**5–7**		**95 0-3**
TIF	I	04 02 36 19.6	42.81N	44.24E	9–2		¶609975353
MOS	I	04 02 36 19.6–.00	42.77N	44.13E	14–0	4.1	
NORS	I	04 02 36 20.0–.00	42.66N	44.13E	14–0	4.5	
DRS	I	04 02 36 24.4–.00	42.76N	44.28E	17	4.5	
ISC	Event type se.						
MOS	Event type se.						
NORS	Event type se.						
DRS	Event type se.						
ISC	**I**	**05 10 07 17.9–1.1**	**42.42N–.02**	**41.15E–.02**	**10–9**		**104 1-4**
TIF	I	05 10 07 17.7	42.40N	41.01E	22–2		¶609985583
MOS	I	05 10 07 19.9–.00	42.52N	41.08E	4–0	4.1	
DDA	I	05 10 07 20.5–.00	42.17N	40.98E	18–1	2.7L	
NORS	I	05 10 07 20.3–.00	42.52N	41.13E	4–0	3.9	
ISK	I	05 10 07 25.7	41.81N	41.35E	5–0	2.9L	
ISC	Event type ke.						
MOS	Event type se.						
NORS	Event type se.						
ISK	Event type ke.						
ISC	**I**	**22 19 03 18.6–1.0**	**42.01N–.01**	**42.88E–.01**	**4–9**		**275 0-23**
TIF	I	22 19 03 17.6	42.03N	42.91E	16–1		¶610105250
ISK	I	22 19 03 17.7	42.03N	42.91E	4–0	3.2L	
NORS	I	22 19 03 18.6–.00	42.18N	42.87E	3–0	4.1	
DDA	I	22 19 03 18.2–.00	41.92N	42.84E	1–0	3.0L	
DRS	I	22 19 03 18.2–.00	42.05N	42.36E	20	3.0L	
AZER	I	22 19 03 18.7–.31	42.01N	42.97E	6–9	3.0L	
NSSP	I	22 19 03 19.8	41.93N	42.77E	10	3.0s	
MOS	I	22 19 03 19.5–.00	42.11N	42.80E	4–0	3.8	
CFUSG	I	22 19 03 21.7	42.00N	42.40E	5	3.2b	
ISC	Event type ke.						
ISK	Event type ke.						
NORS	Event type se.						
DRS	Event type se.						
AZER	Error ellipse: s-maj=28.7km s-min=5.1km az=304.0.						
MOS	Event type se.						
CFUSG	Georgia. Magtype MSH 3.0 from 1 stations.						
ISC	**I**	**23 11 09 49.7–1.0**	**42.45N–.02**	**44.03E–.02**	**9–9**		**109 0-2**
MOS	I	23 11 09 49.1–.00	42.46N	43.99E	9–0	3.5	¶610473134
TIF	I	23 11 09 49.3	42.48N	44.13E	18–1	3.5	
NORS	I	23 11 09 50.0–.00	42.43N	44.01E	7–0	3.8	
DRS	I	23 11 09 58.8–.00	42.93N	43.99E	24	3.8	
ISC	Event type se.						
MOS	Event type se.						
NORS	Event type se.						
DRS	Event type se.						
ISC	**I**	**26 20 12 42.9–.80**	**41.38N–.02**	**44.07E–.02**	**15–5**		**91 0-3**
ISK	I	26 20 12 41.7	41.43N	44.07E	7–0	2.5L	¶610473253
TIF	I	26 20 12 42.1	41.40N	44.04E	15–0	2.5L	
NORS	I	26 20 12 43.3–.00	41.53N	43.98E	6–0	3.4	
DDA	I	26 20 12 43.8–.00	41.33N	44.02E	6–3	2.1L	
DRS	I	26 20 12 47.8–.00	41.45N	44.04E	20	2.1L	
ISC	Event type ke.						
ISK	Event type ke.						
NORS	Event type se.						
DRS	Event type se.						
ISC	**I**	**29 04 01 49.7–.85**	**42.77N–.02**	**44.51E–.01**	**13–6**		**97 0-3**
NORS	I	29 04 01 46.9–.00	42.67N	44.53E	15–0	3.6	¶610147571
MOS	I	29 04 01 48.4–.00	42.76N	44.50E	11–0	3.5	
TIF	I	29 04 01 48.6	42.80N	44.48E	2–1	3.5	
ISC	Event type se.						
NORS	Event type se.						
MOS	Event type se.						
ISC	**I**	**29 04 02 02.7–.96**	**42.79N–.02**	**44.51E–.01**	**6–8**		**94 0-3**
NORS	I	29 04 02 00.4–.00	42.68N	44.45E	14–0	3.9	¶610473362
MOS	I	29 04 02 00.8–.00	42.74N	44.47E	12–0	3.8	
TIF	I	29 04 02 02.1	42.82N	44.45E	3–3	3.8	
ISC	Event type se.						
NORS	Event type se.						
MOS	Event type se.						
ISC	**II**	**05 07 08 37.7–.78**	**43.85N–.02**	**43.00E–.01**	**11–5**		**171 0-4**
MOS	II	05 07 08 37.5–.00	43.84N	42.98E	10–0	4.3	¶610197598
NORS	II	05 07 08 38.3–.00	43.79N	43.00E	15–0	4.5	
ISC	Event type se.						
MOS	Event type se.						
NORS	Event type se.						
ISC	**II**	**15 06 06 48.8–.94**	**43.80N–.02**	**43.22E–.02**	**16–7**		**117 0-9**
MOS	II	15 06 06 49.0–.00	43.81N	43.21E	22–0	4.1	¶610209202
NORS	II	15 06 06 49.5–.00	43.78N	43.20E	24–0	4.1	
ISC	Event type se.						
MOS	Event type se.						
NORS	Event type se.						
ISC	**II**	**15 15 37 08.6–.83**	**41.40N–.02**	**44.05E–.02**	**13–6**		**98 0-3**
MOS	II	15 15 37 07.7–.00	41.36N	44.06E	10–0	4.2	¶610476238
DDA	II	15 15 37 08.4–.00	41.50N	43.89E	7–2	2.3L	
ISK	II	15 15 37 08.6	41.36N	44.05E	4–0	2.6L	
TIF	II	15 15 37 08.2	41.42N	44.07E	15–0	2.6L	
NORS	II	15 15 37 09.1–.00	41.53N	43.96E	6–0	4.0	
ISC	Event type ke.						
MOS	Event type se.						
ISK	Event type ke.						
NORS	Event type se.						
ISC	**II**	**17 19 50 13.3–.84**	**42.51N–.02**	**43.50E–.02**	**13–6**		**60 0-2**
NORS	II	17 19 50 12.6–.00	42.56N	43.48E	15–0	3.0	¶610476241
TIF	II	17 19 50 12.9	42.52N	43.51E	12–0	3.0	
MOS	II	17 19 50 13.2–.00	42.50N	43.45E	13–0	3.0	
DDA	II	17 19 50 14.6–.00	42.16N	43.98E	7–2	2.0L	
ISC	Event type se.						
NORS	Event type se.						
MOS	Event type se.						
ISC	**II**	**19 06 19 58.8–.84**	**41.43N–.02**	**44.03E–.02**	**13–6**		**56 0-2**
TIF	II	19 06 19 57.8	41.44N	44.02E	15–0		¶610476243
NORS	II	19 06 19 58.6–.00	41.56N	44.05E	5–0	3.6	
DDA	II	19 06 19 59.8–.00	41.42N	43.89E	7–1	2.0L	
ISC	Event type se.						
NORS	Event type se.						
ISC	**II**	**24 22 28 35.4–1.1**	**44.64N–.03**	**39.40E–.02**	**14–9**		**40 0-4**
CFUSG	II	24 22 28 35.3	44.65N	39.40E	10		¶610240946
MOS	II	24 22 28 35.5–.00	44.62N	39.40E	22–0	3.5	
ISC	Event type se.						
CFUSG	Caucasus.						
MOS	Event type se.						
ISC	**III**	**10 10 52 52.6–1.0**	**42.73N–.02**	**44.11E–.02**	**5–9**		**83 0-2**
TIF	III	10 10 52 51.3	42.76N	44.20E	8–1		¶610317015
NORS	III	10 10 52 52.2–.00	42.70N	44.07E	13–0	3.9	
DDA	III	10 10 52 53.0–.00	42.82N	44.32E	52	2.2L	
MOS	III	10 10 52 53.1–.00	42.72N	44.03E	16–0	3.5	
ISC	Event type se.						
NORS	Event type se.						
MOS	Event type se.						
ISC	**III**	**13 02 25 19.9–.62**	**42.42N–.01**	**43.73E–.01**	**10–4**	**4.3b,3.2s**	**540 0-95**
TIF	III	13 02 25 18.6	42.43N	43.76E	8–1	4.3b,3.2s	¶610546108
CFUSG	III	13 02 25 19.2	42.37N	43.48E	12	3.4b,3.2s	
AZER	III	13 02 25 20.0–.73	42.44N	43.54E	9	3.4b,3.2s	
MOS	III	13 02 25 19.8–.00	42.42N	43.69E	4–0	5.0,3.2s	
NORS	III	13 02 25 19.7–.00	42.45N	43.66E	1–0	5.1,3.2s	
IDC	III	13 02 25 19.1–.53	42.38N	43.65E	0	4.0,3.9b	
NEIC	III	13 02 25 20.6–1.6	42.42N–.03	43.62E–.08	12–5	4.4b,3.9b	
ISK	III	13 02 25 20.1	42.40N	43.55E	2–0	4.3L,3.9b	
ISC	Event type ke.						
CFUSG	Georgia. Magtype MSH 3.3 from 5 stations.						
AZER	Error ellipse: s-maj=8.2km s-min=5.9km az=40.0.						
MOS	Event type se.						
NORS	Event type se.						
IDC	Error ellipse: s-maj=9.1km s-min=6.6km az=60.0.						
NEIC	Event type se. Error ellipse: s-maj=9.1km s-min=2.8km az=107.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.						
ISK	Event type ke.						
ISC	**III**	**16 09 09 55.0–.70**	**43.38N–.02**	**44.56E–.01**	**10**		**161 0-3**
TIF	III	16 09 09 51.9	43.61N	44.65E	32–5		¶610329928
MOS	III	16 09 09 53.6–.00	43.39N	44.54E	10–0	3.6	
NORS	III	16 09 09 53.6–.00	43.38N	44.60E	10–0	3.7	
DRS	III	16 09 09 56.0–.00	43.49N	44.34E	23	3.7	
ISC	Event type se.						
MOS	Event type se.						
NORS	Event type se.						
DRS	Event type se.						
ISC	**III**	**16 15 29 35.1–.96**	**43.24N–.02**	**41.74E–.02**	**5–8**		**60 0-3**
TIF	III	16 15 29 33.7	43.33N	41.56E	28–1		¶610617604
MOS	III	16 15 29 35.1–.00	43.24N	41.74E	10–0	3.8	
NORS	III	16 15 29 36.3–.00	43.25N	41.83E	2–0	3.6	
ISC	Event type se.						
MOS	Event type se.						
NORS	Event type se.						
ISC	**III**	**29 20 39 56.4–.91**	**42.49N–.01**	**43.24E–.01**	**8–7**		**144 0-3**
NORS	III	29 20 39 55.6–.00	42.46N	43.23E	10–0	3.5	¶610452485
TIF	III	29 20 39 55.6	42.49N	43.28E	11–0	3.5	
MOS	III	29 20 39 56.7–.00	42.52N	43.24E	1–0	3.3	
DDA	III	29 20 39 58.0–.00	42.45N	43.18E	5–2	2.8L	
ISC	Event type se.						
NORS	Event type se.						
MOS	Event type se.						
ISC	**IV**	**13 09 15 21.7–1.4**	**42.48N–.04**	**41.02E–.05**	**3–12**		**22 1-2**
MOS	IV	13 09 15 22.3–.00	42.52N	41.03E	6–0	3.0	¶612733455
ISC	Event type se.						
MOS	Event type se.						
ISC	**IV**	**16 07 27 38.0–.93**	**43.18N–.02**	**41.53E–.02**	**13–7**		**53 0-3**
MOS	IV	16 07 27 39.3–.00	43.27N	41.57E	16–0	3.3	¶610609318
TIF	IV	16 07 27 39.2	43.13N	41.50E	12–2	3.3	
DDA	IV	16 07 27 41.4–.00	42.49N	40.11E	20–3	2.0L	
NORS	IV	16 07 27 41.3–.00	43.26N	41.76E	2–0	3.3	
ISC	Event type se.						
MOS	Event type se.						
NORS	Event type se.						
ISC	**IV**	**18 08 28 59.9–.82**	**41.38N–.01**	**44.04E–.01**	**8–6**		**159 0-15**
NSSP	IV	18 08 28 54.0	41.35N	44.07E	9	2.9s	¶610532544
TIF	IV	18 08 28 58.8	41.40N	44.05E	14–0	2.9s	
NORS	IV	18 08 28 59.9–.00	41.46N	44.00E	12–0	3.7	
DDA	IV	18 08 28 59.4–.00	41.34N	44.00E	7–4	2.6L	
MOS	IV	18 08 28 59.2–.00	41.40N	44.04E	6–0	3.7	
ISC	Event type se.						
NORS	Event type se.						
MOS	Event type se.						
ISC	**IV**	**18 09 03 52.3–.87**	**43.34N–.02**	**44.82E–.01**	**18–2**		**196 0-13**
AZER	IV	18 09 03 48.3–1.2	43.55N	44.56E	34–75		¶610529790
TIF	IV	18 09 03 49.3	43.44N	44.83E	6–2		
NORS	IV	18 09 03 50.4–.00	43.31N	44.86E	7–0	4.3	
MOS	IV	18 09 03 50.9–.00	43.31N	44.80E	19–0	4.2	
DRS	IV	18 09 03 52.2–.00	43.37N	44.50E	23	4.2	
ISC	Event type se.						
AZER	Error ellipse: s-maj=148.7km s-min=12.8km az=326.0.						
NORS	Event type se.						
MOS	Event type se.						
DRS	Event type se.						
ISC	**IV**	**22 20 41 49.3–1.1**	**42.90N–.03**	**41.29E–.03**	**11–10**		**81 0-3**
TIF	IV	22 20 41 48.5	42.86N	41.24E	30–2		¶610547486
MOS	IV	22 20 41 49.7–.00	42.95N	41.41E	3–0	3.6	
ISK	IV	22 20 41 50.7	42.86N	41.22E	27–0	3.0L	
DDA	IV	22 20 41 50.4–.00	42.54N	41.03E	1–1	2.3L	
NORS	IV	22 20 41 51.3–.00	43.05N	41.67E	3–0	3.5	
ISC	Event type ke.						
MOS	Event type se.						
ISK	Event type ke.						
NORS	Event type se.						
ISC	**IV**	**25 00 38 25.9–1.2**	**41.04N–.03**	**44.89E–.02**	**10–10**		**64 1-3**
MOS	IV	25 00 38 25.9–.00	41.00N	44.91E	10–0	3.1	¶610609329
TIF	IV	25 00 38 26.1	41.04N	44.89E	13–1	3.1	
NORS	IV	25 00 38 28.2–.00	41.24N	44.98E	7–0	3.1	
DRS	IV	25 00 38 35.0–.00	41.20N	45.02E	23	3.1	
ISC	Event type se.						
MOS	Event type se.						
NORS	Event type se.						
DRS	Event type se.						
MOS	**IV**	**27 12 02 55.2–.00**	**43.73N**	**43.50E**	**22–0**	**4.0**	
NORS	IV	27 12 02 55.6–.00	43.74N	43.54E	20–0	3.9	¶612733477
MOS	Event type se.						
NORS	Event type se.						
ISC	**IV**	**29 09 04 07.8–.84**	**43.43N–.03**	**43.55E–.03**	**13–6**		**44 0-2**
MOS	IV	29 09 04 06.2–.00	43.38N	43.53E	11–0	3.4	¶610609331
NORS	IV	29 09 04 06.1–.00	43.37N	43.53E	7–0	3.5	
TIF	IV	29 09 04 07.5	43.36N	43.67E	2–2	3.5	
ISC	Event type se.						
MOS	Event type se.						
NORS	Event type se.						
ISC	**IV**	**29 16 32 04.0–.82**	**41.43N–.02**	**44.08E–.01**	**9–6**		**104 0-3**
DRS	IV	29 16 32 02.6–.00	41.42N	43.87E	17		¶610609332
MOS	IV	29 16 32 03.9–.00	41.43N	44.05E	6–0	3.8	
ISK	IV	29 16 32 03.0	41.48N	44.18E	7–0	2.6L	
TIF	IV	29 16 32 03.3	41.44N	44.07E	14–0	2.6L	
DDA	IV	29 16 32 06.5–.00	41.38N	43.81E	8–2	2.4L	
NORS	IV	29 16 32 06.0–.00	41.53N	44.08E	5–0	3.8	
ISC	Event type ke.						
DRS	Event type se.						
MOS	Event type se.						
ISK	Event type ke.						
NORS	Event type se.						
ISC	**V**	**01 01 55 34.9–1.2**	**44.04N–.03**	**39.04E–.02**	**4–9**		**107 0-44**
IDC	V	01 01 55 33.3–.76	44.07N	39.06E	0	3.2b,3.0	¶610589577
MOS	V	01 01 55 36.5–.00	44.04N	39.07E	11–0	3.2b,3.0	
ISC	Event type se.						
IDC	Error ellipse: s-maj=12.8km s-min=8.2km az=1.0.						
MOS	Event type se.						
ISC	**V**	**14 07 49 39.8–1.9**	**42.44N–.08**	**41.06E–.04**	**10–16**		**24 1-2**
TIF	V	14 07 49 39.0	42.39N	41.01E	22–1		¶610782578
MOS	V	14 07 49 41.2–.00	42.53N	41.10E	10–0	3.1	
ISC	Event type se.						
MOS	Event type se.						
ISC	**V**	**14 20 44 06.5–.72**	**42.82N–.02**	**44.52E–.02**	**10**		**79 0-2**
TIF	V	14 20 44 02.9	42.87N	44.57E	0–1		¶610782577
DRS	V	14 20 44 03.3–.00	42.69N	43.96E	22		
MOS	V	14 20 44 04.5–.00	42.77N	44.48E	6–0	3.8	
ISC	Event type se.						
DRS	Event type se.						
MOS	Event type se.						
MOS	**V**	**14 20 44 32.3–.00**	**42.67N**	**44.49E**	**9–0**	**3.5**	¶617198781

MOS Event type se.
MOS V 14 20 44 59.7–.00 42.68N 44.46E 9–0 3.8
¶617198782
MOS Event type se.
ISC V 17 13 12 34.9–1.0 42.37N–.03 44.04E–.03 15–10 26 0-2
NORS V 17 13 12 34.4–.00 42.40N 44.05E 15–0 3.1 **¶610782579**
TIF V 17 13 12 34.9 42.33N 44.02E 17–1 3.1
ISC Event type se.
NORS Event type se.
MOS V 20 11 11 40.6–.00 44.55N 42.09E 1–0 3.6
NORS V 20 11 11 41.9–.00 44.46N 42.04E 2–0 3.7 **¶612733523**
MOS Event type se.
NORS Event type se.
ISC V 25 03 13 34.4–.86 42.92N–.03 44.29E–.02 18–5 53 0-2
NORS V 25 03 13 33.2–.00 42.95N 44.25E 16–0 3.5 **¶610653571**
MOS V 25 03 13 33.2–.00 42.95N 44.22E 20–0 3.3
TIF V 25 03 13 34.1 42.93N 44.31E 7–2 3.3
DRS V 25 03 13 35.0–.00 42.73N 44.19E 18 3.3
ISC Event type se.
NORS Event type se.
MOS Event type se.
DRS Event type se.
ISC V 25 08 47 05.0–.92 42.96N–.02 44.32E–.02 19–2 62 0-2
NORS V 25 08 47 04.4–.00 42.94N 44.30E 18–0 3.9 **¶610653844**
MOS V 25 08 47 04.5–.00 42.96N 44.24E 20–0 3.6
TIF V 25 08 47 04.8 42.98N 44.33E 9–2 3.6
DRS V 25 08 47 07.7–.00 42.68N 44.36E 16 3.6
ISC Event type se.
NORS Event type se.
MOS Event type se.
DRS Event type se.
ISC V 28 21 15 11.0–.90 42.44N–.02 44.97E–.02 16–7 60 0-2
NORS V 28 21 15 10.0–.00 42.34N 44.99E 18–0 3.5 **¶610782589**
TIF V 28 21 15 10.5 42.41N 44.98E 13–1 3.5
DRS V 28 21 15 11.9–.00 42.46N 44.89E 17 3.5
ISC Event type se.
NORS Event type se.
DRS Event type se.
ISC V 28 23 34 14.4–.93 43.62N–.01 43.15E–.01 15–8 227 0-4
NORS V 28 23 34 13.4–.00 43.61N 43.16E 13–0 4.6 **¶610655275**
TIF V 28 23 34 14.1 43.60N 43.38E 2–1 4.6
MOS V 28 23 34 14.7–.00 43.64N 43.15E 20–0 4.2
ISC Event type se.
NORS Event type se.
MOS Event type se.
ISC VI 04 19 47 41.9–.82 43.81N–.03 42.52E–.02 12–5 51 0-2
MOS VI 04 19 47 41.7–.00 43.81N 42.47E 7–0 3.5 **¶610782596**
NORS VI 04 19 47 43.3–.00 43.71N 42.57E 3–0 3.7
TIF VI 04 19 47 43.0 43.96N 42.70E 18–2 3.7
ISC Event type se.
MOS Event type se.
NORS Event type se.
ISC VI 16 11 14 41.3–.88 43.60N–.02 43.33E–.02 14–7 55 0-3
NORS VI 16 11 14 41.0–.00 43.61N 43.35E 17–0 3.6 **¶610779980**
TIF VI 16 11 14 41.3 43.61N 43.29E 33–4 3.6
MOS VI 16 11 14 41.4–.00 43.60N 43.34E 13–0 3.6
ISC Event type se.
NORS Event type se.
MOS Event type se.
ISC VI 20 15 21 30.7–.73 43.94N–.03 44.66E–.02 13 114 0-12
NORS VI 20 15 21 28.6–.00 44.02N 44.68E 10–0 4.2 **¶610686574**
TIF VI 20 15 21 29.7 44.00N 44.73E 27–2 4.2
MOS VI 20 15 21 30.1–.00 43.95N 44.62E 16–0 3.9
ISC Event type se.
NORS Event type se.
MOS Event type se.
ISC VI 21 11 02 11.0–.99 43.82N–.03 41.14E–.02 13–9 42 0-3
MOS VI 21 11 02 10.1–.00 43.85N 41.17E 11–0 3.8 **¶614855718**
ISC Event type se.
MOS Event type se.

(363) Greece-Bulgaria border region.

ISC II 03 09 12 09.5–.81 41.52N–.02 23.72E–.02 13–5 91 0-4
SOF II 03 09 12 08.5 41.54N 23.78E 7 2.7 **¶610679378**
SKO II 03 09 12 09.8 41.57N 23.77E 0 2.3L
ATH II 03 09 12 10.5 41.50N 23.70E 12–1 2.4L
BEO II 03 09 12 10.6–.30 41.52N 23.73E 0 2.5L
THE II 03 09 12 10.4 41.50N 23.72E 12–0 2.4L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.6km s-min=1.1km az=170.0.
BEO Event type ke.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.8km az=176.0.
ISC II 21 20 59 56.4–.93 41.25N–.02 25.40E–.02 10–7 64 0-5
THE II 21 20 59 55.5 41.35N 25.43E 1–2 2.5L **¶610679997**
ATH II 21 20 59 56.5 41.29N 25.42E 12–3 2.5L
BEO II 21 21 00 00.1–.80 41.34N 25.24E 0 2.6L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=2.4km s-min=0.8km az=73.0.
ATH Event type ke. Error ellipse: s-maj=5.1km s-min=1.2km az=179.0.
BEO Event type ke.
ISC III 15 11 20 42.6–.99 41.95N–.02 23.21E–.02 8–9 111 0-5
ISK III 15 11 20 42.7 41.88N 23.24E 5–0 3.3L **¶610680529**
SOF III 15 11 20 42.8 41.95N 23.26E 13 3.2
SKO III 15 11 20 42.5 41.94N 23.22E 12 2.8L
DDA III 15 11 20 43.8–.00 42.01N 23.07E 3–4 3.1L
ATH III 15 11 20 44.6 41.86N 23.19E 11–4 2.8L
THE III 15 11 20 44.6 41.85N 23.21E 4–1 2.8L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=5.6km s-min=2.0km az=171.0.
THE Event type ke. Error ellipse: s-maj=2.3km s-min=1.1km az=183.0.
ISC III 18 22 01 31.1–.96 41.87N–.02 24.41E–.02 18–6 66 0-3
ISK III 18 22 01 30.9 41.88N 24.42E 2–0 2.6L **¶610680599**
ATH III 18 22 01 32.4 41.86N 24.37E 10–2 2.2L
THE III 18 22 01 32.1 41.85N 24.37E 7–1 2.4L
BEO III 18 22 01 33.5–.80 42.01N 24.40E 7–8 2.3L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.7km s-min=1.8km az=191.0.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=1.1km az=188.0.
BEO Event type ke.
ATH IV 12 19 25 13.1 41.11N 23.92E 14–3 1.3L
¶615386701
ATH Event type ke. Error ellipse: s-maj=3.2km s-min=1.4km az=252.0.
ISC V 11 20 33 24.6–1.1 41.88N–.02 24.46E–.02 8–9 134 0-4
ISK V 11 20 33 24.4 41.85N 24.47E 4–0 2.8L **¶611016084**
ATH V 11 20 33 25.0 41.84N 24.43E 22–1 2.6L
THE V 11 20 33 26.1 41.82N 24.45E 8–0 2.4L
BEO V 11 20 33 26.7–.50 42.36N 24.52E 0 2.6L
DDA V 11 20 33 27.0–.00 41.86N 24.56E 17–19 2.7L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.6km s-min=1.2km az=181.0. ML Amplitudes are expressed in micrometers.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.6km az=175.0.
BEO Event type ke.
BEO VI 26 22 36 09.8–.70 41.97N 23.16E 9–4 1.8L
THE VI 26 22 36 09.7 41.80N 23.23E 12–0 1.9L **¶611017705**
BEO Event type ke.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=1.0km az=167.0.

(364) Greece.

ISC I 01 12 10 20.5–.84 40.52N–.02 21.40E–.02 15–7 69 0-3
THE I 01 12 10 20.7 40.52N 21.39E 16–0 2.3L **¶610448570**
TIR I 01 12 10 20.1 40.53N 21.32E 2–1 3.0,2.8L
ATH I 01 12 10 20.6 40.52N 21.38E 19–4 2.4L,2.8L
SKO I 01 12 10 20.3 40.43N 21.38E 0 2.5L,2.8L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.4km az=299.0.
ATH Event type ke. Error ellipse: s-maj=4.5km s-min=1.0km az=310.0.
ISC I 01 23 22 17.7–.89 40.95N–.02 22.75E–.01 9–7 117 0-3
SKO I 01 23 22 14.2 40.81N 22.69E 40 2.6L **¶610678765**
ISK I 01 23 22 16.9 40.96N 22.73E 8–0 2.4L
THE I 01 23 22 17.8 40.97N 22.76E 6–0 2.0L
ATH I 01 23 22 18.1 40.96N 22.77E 6–2 2.1L
BEO I 01 23 22 18.9–.40 41.01N 22.76E 0 1.9L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.5km az=350.0.
ATH Event type ke. Error ellipse: s-maj=2.3km s-min=1.0km az=7.0.
BEO Event type ke.
ISC I 03 23 02 29.7–.90 40.43N–.02 21.53E–.02 16–8 42 0-2
ATH I 03 23 02 29.8 40.45N 21.52E 21–5 2.7L **¶610678793**
THE I 03 23 02 29.9 40.43N 21.53E 17–1 2.6L
SKO I 03 23 02 29.5 40.34N 21.52E 0 2.5L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=5.4km s-min=1.3km az=87.0.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.7km az=296.0.
ISC I 07 15 01 08.9–.70 38.37N–.01 22.00E–.01 11–4 3.8b 159 0-45
ISK I 07 15 01 07.9 38.37N 22.11E 6–0 3.4L **¶610180866**
THE I 07 15 01 08.9 38.36N 22.02E 10–0 3.3L
ATH I 07 15 01 09.0 38.36N 21.99E 5–31 3.3L
IDC I 07 15 01 14.4–4.7 38.51N 22.01E 53–48 3.6,3.4b
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=0.6km s-min=0.5km az=75.0.
ATH Event type ke. Error ellipse: s-maj=31.6km s-min=0.6km az=0.0.
IDC Error ellipse: s-maj=60.9km s-min=24.7km az=4.0.
ISC I 09 09 53 16.5–.59 38.32N–.01 21.74E–.01 11–3 4.8b,4.2s 724 0-146
TIR I 09 09 53 09.3 37.61N 21.33E 0–25 4.6,4.2s **¶611831518**
BGR I 09 09 53 12.7–.82 38.03N 22.17E 10 4.1s,4.2s
BJI I 09 09 53 13.0–.00 38.40N 21.70E 7 5.1b,4.8s
IDC I 09 09 53 14.6–.63 38.35N 21.74E 0 4.5b,4.4
MOS I 09 09 53 15.5–1.1 38.33N 21.71E 14 4.9b,4.1s
ATH I 09 09 53 16.5 38.34N 21.72E 4 4.6W,4.1s
THE I 09 09 53 16.6 38.36N 21.74E 7–0 4.6L,4.1s
PDG I 09 09 53 16.3–.52 38.34N 21.72E 10–0 4.6L,4.1s
MED_R I 09 09 53 16.0–.40 38.29N 21.75E 10 4.8W,4.1s
UPSL I 09 09 53 16.5 38.34N 21.72E 4 4.7W,4.1s
SKO I 09 09 53 16.1 38.34N 21.73E 7 4.5L,4.1s
NEIC I 09 09 53 17.6–1.8 38.42N–.05 21.78E–.06 10–1 4.9b,4.8
GCMT I 09 09 53 17.6–.30 38.30N–.02 21.79E–.02 24–1 4.8W,4.8
HLW I 09 09 53 25.6 37.57N 21.78E 19–59 4.6,4.8
ISC Event type ke.
BGR Event type ke. Error ellipse: s-maj=54.5km s-min=15.6km az=58.0.
IDC Error ellipse: s-maj=13.5km s-min=9.8km az=20.0.
MOS Error ellipse: s-maj=4.4km s-min=2.5km az=88.4.
ATH Moment Tensor Solution. s8 Moment tensor: M_{rr}-1.75 $M_{\theta\theta}$9.75 $M_{\phi\phi}$-8.00 $M_{r\theta}$2.27 $M_{\theta\phi}$1.43 $M_{\phi r}$4.42 NP1:ϕ_s223.00000°,δ81.00000°,λ-151.00000°. NP2:ϕ_s128.00000°,δ61.00000° ,λ-11.00000°.
THE Event type ke. Error ellipse: s-maj=0.9km s-min=0.4km az=6.0.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=0.6km az=0.0.
MED_R Error ellipse: s-maj=2.2km s-min=2.2km az=-1.0. nsta1 refers to body waves. nsta2 refers to surface waves, cutoff=35s. Moment Tensor Solution. Mantle waves: s30,c41;Duration: 1s1 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.01±.07 $M_{\theta\theta}$1.65±.05; $M_{\phi\phi}$-1.65±.05; $M_{r\theta}$0.38±.20; $M_{\theta\phi}$0.22±.06; $M_{\phi r}$1.14±.18; Best double couple: NP1:ϕ_s222.00000°,δ83.00000°,λ-148.00000°. NP2:ϕ_s128.00000°,δ58.00000°,λ-8.00000°. Principal axes: T 1.8000,Plg17.0000° ,Azm350.0000°; N 0.4200,Plg57.0000°,Azm232.0000°; P -2.2300,Plg27.0000°,Azm90.0000° $M_0$2.02000×10^{16}
UPSL Moment Tensor Solution. s7 Moment tensor: M_{rr}-0.20 $M_{\theta\theta}$1.23 $M_{\phi\phi}$-1.04 $M_{r\theta}$0.61 $M_{\theta\phi}$0.21 $M_{\phi r}$0.62 NP1:ϕ_s222.00000°,δ86.00000°,λ-142.00000°. NP2:ϕ_s129.00000°,δ52.00000° ,λ-5.00000°.
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=7.0km az=132.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.12 $M_{\theta\theta}$1.37 $M_{\phi\phi}$-1.49 $M_{r\theta}$-0.55 $M_{\theta\phi}$-0.34 $M_{\phi r}$-0.59 NP1:ϕ_s51.09000°,δ89.94000°,λ-151.49000°. NP2:ϕ_s321.06000° ,δ61.49000°,λ-0.07000°. Principal axes: T 1.5817,Plg20.0000°,Azm182.0000° ; N 0.1785,Plg61.0000°,Azm51.0000°; P -1.7602,Plg20.0000°,Azm280.0000° $M_0$1.68000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s14,c14; s88,c113;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.50±.14 $M_{\theta\theta}$2.35±.11; $M_{\phi\phi}$-1.85±.09; $M_{r\theta}$0.40±.13; $M_{\theta\phi}$0.07±.08; $M_{\phi r}$0.69±.14; Best double couple: NP1:ϕ_s226.00000°,δ80.00000°,λ-157.00000°. NP2:ϕ_s132.00000°,δ68.00000°,λ-11.00000°. Principal axes: T 2.4100,Plg8.0000° ,Azm358.0000°; N -0.2710,Plg65.0000°,Azm249.0000°; P -2.1430,Plg23.0000° ,Azm91.0000° $M_0$2.27600×10^{16}
ISC I 09 10 03 12.0–.79 38.34N–.02 21.71E–.02 11–5 3.4b 80 0-44
IDC I 09 10 03 11.6–9.4 38.51N 21.84E 0 3.5b,3.4 **¶610237020**
ATH I 09 10 03 11.9 38.34N 21.72E 16–1 3.1L,3.4
THE I 09 10 03 12.3 38.33N 21.73E 8–1 3.1L,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=171.2km s-min=36.7km az=31.0.
ATH Event type ke. Error ellipse: s-maj=1.5km s-min=0.8km az=102.0.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.4km az=76.0.
ISC I 09 10 23 32.6–.79 38.36N–.02 21.72E–.02 10–5 4.1b 100 0-86
IDC I 09 10 23 29.3–3.2 38.19N 21.55E 0 3.9b,3.7 **¶610180872**
ATH I 09 10 23 32.8 38.35N 21.72E 10–1 3.4L,3.7
THE I 09 10 23 33.0 38.35N 21.74E 9–1 3.5L,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=53.8km s-min=24.8km az=22.0.
ATH Event type ke. Error ellipse: s-maj=1.7km s-min=0.5km az=356.0.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.4km az=84.0.
ISC I 09 23 33 32.9–.84 38.32N–.01 21.68E–.02 10–6 3.7b 156 0-45
IDC I 09 23 33 27.6–5.0 38.03N 21.34E 0 3.6b,3.3 **¶610237044**
ATH I 09 23 33 32.8 38.32N 21.69E 14–1 3.1L,3.3
THE I 09 23 33 33.1 38.33N 21.70E 0–1 3.1L,3.3
BEO I 09 23 33 35.8–.80 38.37N 21.47E 0 3.3L,3.3
ISC Event type ke.
IDC Error ellipse: s-maj=84.9km s-min=28.2km az=31.0.
ATH Event type ke. Error ellipse: s-maj=1.5km s-min=0.8km az=29.0.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.5km az=164.0.
BEO Event type ke.
ISC I 10 12 44 52.3–.58 38.33N–.01 21.73E–.01 11–3 4.5b 542 0-146
BJI I 10 12 44 44.7–.00 37.85N 21.11E 6 5.1b,4.6b **¶611831534**
IDC I 10 12 44 50.7–.62 38.36N 21.80E 0 4.3b,4.2
TIR I 10 12 44 51.7 38.01N 21.30E 0–3 4.5,4.2
MOS I 10 12 44 51.6–1.0 38.26N 21.70E 19 4.5b,4.2
ATH I 10 12 44 52.3 38.32N 21.72E 4–2 4.2L,4.2
UPSL I 10 12 44 52.3 38.34N 21.72E 10 4.1W,4.2
THE I 10 12 44 52.3 38.34N 21.73E 6–0 4.2L,4.2
PDG I 10 12 44 52.0–.49 38.33N 21.74E 12–0 4.3L,4.2
NEIC I 10 12 44 53.2–1.9 38.43N–.05 21.71E–.03 10–1 4.5b,4.2
BEO I 10 12 44 57.5–.90 38.67N 21.76E 0 3.6L,4.2
ISC Event type ke. Moment Tensor Solution. NP1:ϕ_s262.29504°,δ69.18636°,λ169.26727°. NP2: ϕ_s356.14813°,δ79.97517°,λ21.15171°. Principal axes: T Plg21.9839°,Azm220.8173° ; N Plg66.6917°,Azm20.3719°; P Plg7.3636°,Azm127.8268°
IDC Error ellipse: s-maj=13.5km s-min=10.5km az=2.0.
MOS Error ellipse: s-maj=5.4km s-min=3.0km az=78.4.
ATH Event type ke. Error ellipse: s-maj=2.4km s-min=0.7km az=263.0.
UPSL Moment Tensor Solution. s7 Moment tensor: M_{rr}-0.06 $M_{\theta\theta}$1.04 $M_{\phi\phi}$-0.98 $M_{r\theta}$-0.27 $M_{\theta\phi}$-0.76 $M_{\phi r}$1.12 NP1:ϕ_s154.00000°,δ86.00000°,λ-41.00000°. NP2:ϕ_s247.00000°,δ49.00000°

,λ-175.00000°.
THE Event type ke. Error ellipse: s-maj=0.8km s-min=0.3km az=240.0.
PDG Event type ke. Error ellipse: s-maj=0.5km s-min=0.5km az=0.0.
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=3.1km az=190.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BEO Event type ke.
ISC I 10 19 33 48.3–.99 38.33N–.01 21.72E–.01 3–8 4.2b 152 0-45
IDC I 10 19 33 38.4–10 36.82N 21.43E 0 4.1b,4.0 ¶610237100
THE I 10 19 33 48.2 38.33N 21.72E 0–1 3.2L,4.0
ATH I 10 19 33 48.7 38.33N 21.72E 4–1 3.3L,4.0
ISC Event type ke.
IDC Error ellipse: s-maj=191.8km s-min=54.7km az=26.0.
THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.3km az=206.0.
ATH Event type ke. Error ellipse: s-maj=1.6km s-min=0.6km az=272.0.
ISC I 11 15 07 29.5–1.0 38.33N–.03 21.67E–.03 5–8 31 0-1
THE I 11 15 07 29.0 38.35N 21.68E 9–3 1.7L ¶610678923
ATH I 11 15 07 32.8 38.29N 21.67E 8–4 2.7L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=3.8km s-min=1.0km az=91.0.
ATH Event type ke. Error ellipse: s-maj=4.8km s-min=1.0km az=50.0.
ATH I 13 12 11 50.7 38.12N 20.45E 19–2 1.4L
¶615968309
ATH Event type ke. Error ellipse: s-maj=3.3km s-min=1.6km az=202.0.
ATH I 20 09 59 40.8 38.46N 22.71E 12–4 1.4L
¶615490469
ATH Event type ke. Error ellipse: s-maj=4.6km s-min=0.9km az=318.0.
ISC I 20 16 45 09.7–.70 38.65N–.02 20.55E–.02 13–4 3.8b 197 0-45
IDC I 20 16 45 09.7–2.1 38.96N 20.66E 0 3.6,3.6b ¶610180898
PDG I 20 16 45 09.5–.55 38.66N 20.51E 14–0 3.7L,3.6b
BEO I 20 16 45 10.2–.60 38.67N 20.29E 0 3.2L,3.6b
THE I 20 16 45 10.8 38.62N 20.60E 6–1 3.7L,3.6b
ATH I 20 16 45 11.0 38.62N 20.61E 6–1 3.5L,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=38.0km s-min=16.4km az=38.0.
PDG Event type ke. Error ellipse: s-maj=0.7km s-min=1.2km az=0.0.
BEO Event type ke.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.6km az=282.0.
ATH Event type ke. Error ellipse: s-maj=1.6km s-min=0.8km az=275.0.
ISC I 24 16 26 10.0–.91 40.15N–.02 23.83E–.02 10–7 51 0-2
ATH I 24 16 26 10.0 40.15N 23.85E 10–2 2.0L ¶610679160
ISK I 24 16 26 10.1 40.20N 23.82E 5–0 2.4L
THE I 24 16 26 10.1 40.16N 23.82E 8–2 2.1L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.9km s-min=1.1km az=129.0.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=2.3km s-min=0.4km az=140.0.
ISC I 28 05 30 27.9–.70 38.37N–.02 21.91E–.02 13–4 3.6b 168 0-79
IDC I 28 05 30 23.4–1.5 38.34N 21.51E 0 3.7s,3.5 ¶614382650
BEO I 28 05 30 26.7–1.0 38.26N 22.31E 0 2.9L,3.5
ATH I 28 05 30 27.9 38.38N 21.89E 8–1 3.1L,3.5
THE I 28 05 30 28.4 38.37N 21.91E 5–0 3.2L,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=33.6km s-min=18.3km az=34.0.
BEO Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.5km s-min=0.8km az=354.0.
THE Event type ke. Error ellipse: s-maj=0.8km s-min=0.4km az=322.0.
ATH I 28 09 41 12.0 39.09N 22.88E 29–3 1.7L
¶615490652
ATH Event type ke. Error ellipse: s-maj=6.9km s-min=1.4km az=150.0.
ISC I 28 21 45 48.0–.68 38.73N–.01 20.55E–.02 11–4 3.8b 336 0-45
IDC I 28 21 45 46.2–1.1 38.85N 20.62E 0 3.6b,3.5 ¶610147988
TIR I 28 21 45 49.0 38.76N 20.49E 0–2 3.7,3.6L
PDG I 28 21 45 48.4–.48 38.75N 20.48E 12–0 3.6L,3.6L
BEO I 28 21 45 49.9–.70 38.87N 20.36E 0 3.3L,3.6L
THE I 28 21 45 49.6 38.72N 20.58E 0–1 3.4L,3.6L
ATH I 28 21 45 49.2 38.71N 20.58E 5–31 3.4L,3.6L
NEIC I 28 21 45 50.6–2.2 38.68N–.08 20.51E–.05 26–9 4.0b,3.6L
ISC Event type ke.
PDG Event type ke.
BEO Event type ke.
THE Event type ke.
ATH Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 30 23 33 29.3–.96 40.57N–.02 23.35E–.02 9–7 61 0-2
THE I 30 23 33 29.4 40.58N 23.34E 6–5 1.8L ¶610679318
ATH I 30 23 33 29.6 40.58N 23.34E 5–2 1.8L
SKO I 30 23 33 30.5 40.58N 23.31E 4 1.9L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=5.7km s-min=0.5km az=282.0.
ATH Event type ke. Error ellipse: s-maj=2.3km s-min=0.8km az=3.0.
ISC II 05 15 16 18.3–.80 38.12N–.02 22.09E–.02 58–4 3.4b 178 0-45
ATH II 05 15 16 18.8 38.09N 22.10E 56–1 3.1L ¶610243776
BEO II 05 15 16 18.5–3.8 38.04N 21.95E 48–6 3.0L
THE II 05 15 16 19.0 38.10N 22.10E 56–1 3.1L
IDC II 05 15 16 20.9–4.7 38.15N 22.03E 88–48 3.7,3.5b
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.8km s-min=0.9km az=320.0.
BEO Event type ke.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.4km az=257.0.
IDC Error ellipse: s-maj=36.6km s-min=23.7km az=136.0.
ATH II 06 11 35 25.8 38.34N 21.76E 12–5 1.6L
¶615490967
ATH Event type ke. Error ellipse: s-maj=5.2km s-min=1.0km az=94.0.
ISC II 06 14 26 11.0–.58 38.14N–.03 22.00E–.02 58–4 4.1b 293 0-121
NEIC II 06 14 26 10.8–2.3 38.16N–.04 22.05E–.04 49–10 4.4b ¶610243779
IDC II 06 14 26 11.4–2.2 38.21N 21.98E 66–22 3.9,3.6b
ATH II 06 14 26 11.9 38.10N 22.04E 54–1 3.7L,3.6b
THE II 06 14 26 12.0 38.10N 22.06E 53–1 3.7L,3.6b
PDG II 06 14 26 13.2–.55 38.11N 22.02E 53–3 3.7L,3.6b
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=6.8km s-min=1.0km az=217.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=17.6km s-min=14.6km az=122.0.
ATH Event type ke. Error ellipse: s-maj=1.6km s-min=0.8km az=234.0.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.5km az=328.0.
PDG Event type ke. Error ellipse: s-maj=0.8km s-min=0.9km az=0.0.
ATH II 09 21 11 00.9 38.73N 20.43E 14–2 1.8L
¶615491052
ATH Event type ke. Error ellipse: s-maj=6.1km s-min=3.2km az=281.0.
ISC II 10 04 01 33.1–.91 38.94N–.02 23.28E–.02 16–9 49 0-1
ATH II 10 04 01 33.4 38.94N 23.28E 10–1 2.5L ¶610679607
THE II 10 04 01 33.1 38.94N 23.28E 16–1 2.3L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.8km s-min=0.9km az=82.0.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.5km az=27.0.
ATH II 10 22 03 06.9 38.70N 20.66E 11–5 0.7L
¶615491080
ATH Event type ke. Error ellipse: s-maj=11.5km s-min=1.1km az=97.0.
ATH II 15 15 41 59.0 38.88N 22.25E 15–3 2.0L
THE II 15 15 41 59.0 38.86N 22.24E 13–3 1.7L ¶610679802
ATH Event type ke. Error ellipse: s-maj=3.5km s-min=1.0km az=15.0.
THE Event type ke. Error ellipse: s-maj=3.8km s-min=0.9km az=9.0.
ISC II 16 02 56 28.9–.84 38.66N–.02 20.54E–.03 11–5 76 0-2
ATH II 16 02 56 29.2 38.66N 20.51E 9–0 2.3L ¶610679822
THE II 16 02 56 29.5 38.66N 20.55E 7–0 2.5L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.4km s-min=0.6km az=271.0.
THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.4km az=294.0.
ISC II 24 22 30 59.7–.69 38.46N–.02 20.59E–.02 12–4 3.9b 89 0-58
IDC II 24 22 30 58.4–1.2 38.52N 20.55E 0 3.8b,3.6 ¶610384961
ATH II 24 22 31 00.3 38.46N 20.61E 7–1 3.3L,3.6
THE II 24 22 31 00.6 38.45N 20.61E 5–2 3.5L,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=27.4km s-min=18.3km az=148.0.
ATH Event type ke. Error ellipse: s-maj=1.5km s-min=0.7km az=272.0.
THE Event type ke. Error ellipse: s-maj=2.6km s-min=0.5km az=289.0.
ISC II 25 03 27 27.8–.96 40.76N–.02 22.02E–.01 11–8 113 0-3
SOF II 25 03 27 27.4 40.73N 22.02E 15 3.1 ¶615372052
ISK II 25 03 27 27.7 40.73N 22.02E 5–0 3.0L
SKO II 25 03 27 27.2 40.74N 22.04E 15 3.0L
THE II 25 03 27 28.0 40.76N 22.01E 14–1 3.2L
PDG II 25 03 27 28.4–.32 40.80N 22.03E 7–0 3.0L
ATH II 25 03 27 28.4 40.80N 22.01E 6–1 3.0L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.6km az=352.0.
PDG Event type ke. Error ellipse: s-maj=0.4km s-min=0.5km az=0.0.
ATH Event type ke. Error ellipse: s-maj=1.7km s-min=0.9km az=348.0.
ISC II 25 03 30 16.1–.99 40.74N–.02 22.03E–.02 10–9 77 0-3
SKO II 25 03 30 15.5 40.74N 22.08E 15 2.5L ¶610680091
ISK II 25 03 30 15.8 40.72N 22.03E 3–0 2.6L
DDA II 25 03 30 16.0–.00 40.73N 22.01E 3–3 2.3L
THE II 25 03 30 16.5 40.77N 22.03E 8–2 2.6L
ATH II 25 03 30 17.0 40.81N 22.02E 9–2 2.5L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=2.2km s-min=0.5km az=48.0.
ATH Event type ke. Error ellipse: s-maj=2.5km s-min=1.0km az=349.0.
ISC II 25 06 19 12.8–.89 40.75N–.02 22.02E–.02 16–7 83 0-3
SKO II 25 06 19 11.6 40.67N 22.04E 18 2.6L ¶610680094
THE II 25 06 19 12.7 40.75N 22.03E 18–0 2.5L
ISK II 25 06 19 12.4 40.84N 22.00E 18–0 2.8L
ATH II 25 06 19 13.0 40.77N 22.02E 7–1 2.4L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=0.7km s-min=0.3km az=311.0.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.9km s-min=0.8km az=340.0.
ISC II 26 13 47 28.6–.76 38.86N–.01 22.26E–.02 16–5 3.5b 132 0-44
IDC II 26 13 47 26.2–1.3 38.96N 22.36E 0 3.4,3.4b ¶610385066
THE II 26 13 47 28.6 38.84N 22.25E 10–1 3.2L,3.4b
ATH II 26 13 47 28.9 38.85N 22.23E 5–1 3.1L,3.4b
ISC Event type ke.
IDC Error ellipse: s-maj=27.1km s-min=18.9km az=87.0.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.3km az=96.0.
ATH Event type ke. Error ellipse: s-maj=1.3km s-min=0.6km az=305.0.
ISC II 26 17 18 28.6–.81 38.18N–.02 22.77E–.02 14–5 3.6b 130 0-120
IDC II 26 17 18 26.9–.95 38.21N 22.79E 0 3.6b,3.5 ¶610385076
ATH II 26 17 18 28.9 38.19N 22.78E 11–1 3.4L,3.5
THE II 26 17 18 28.8 38.16N 22.76E 12–1 3.2L,3.5
DDA II 26 17 18 28.0–.00 38.25N 22.92E 25–4 3.3W,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=17.7km s-min=17.3km az=92.0.
ATH Event type ke. Error ellipse: s-maj=1.7km s-min=0.7km az=165.0.
THE Event type ke. Error ellipse: s-maj=2.0km s-min=0.5km az=207.0.
ATH II 27 01 30 53.4 38.98N 20.63E 14–2 1.5L
¶615491565
ATH Event type ke. Error ellipse: s-maj=3.3km s-min=1.0km az=235.0.
ATH II 27 23 56 44.6 38.55N 23.81E 8–1 2.6L
¶610680152
ATH Event type ke. Error ellipse: s-maj=1.4km s-min=0.7km az=95.0.
ATH III 04 00 25 16.9 38.63N 23.78E 10–2 1.7L
THE III 04 00 25 16.8 38.65N 23.77E 2–21 1.7L ¶610680304
ATH Event type ke. Error ellipse: s-maj=2.0km s-min=0.6km az=82.0.
THE Event type ke. Error ellipse: s-maj=21.8km s-min=0.6km az=57.0.
ISC III 13 23 32 07.1–.77 38.47N–.02 23.99E–.02 16–4 145 0-8
ISK III 13 23 32 02.9 38.56N 24.11E 5–0 3.4L ¶610680481
DDA III 13 23 32 06.0–.00 38.01N 23.95E 19 3.0L
ATH III 13 23 32 07.7 38.47N 23.98E 13–0 3.3L
THE III 13 23 32 07.6 38.47N 23.96E 10–0 3.5L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=94.0.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.6km az=102.0.
ISC III 15 02 32 55.2–.71 38.42N–.01 21.96E–.02 10–4 3.5b 125 0-44
IDC III 15 02 32 54.7–1.5 38.30N 22.04E 0 3.5b,3.4 ¶610546228
ISK III 15 02 32 54.5 38.40N 22.14E 12–0 3.1L,3.4
THE III 15 02 32 55.2 38.44N 21.96E 11–0 3.3L,3.4
ATH III 15 02 32 55.2 38.43N 21.94E 10–1 3.1L,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=29.3km s-min=18.0km az=100.0.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=0.8km s-min=0.5km az=92.0.
ATH Event type ke. Error ellipse: s-maj=1.0km s-min=0.7km az=107.0.
TIR III 24 01 26 50.2 40.47N 21.02E 7–2 2.4,1.1L
¶610434500
ISC III 24 18 14 19.3–.86 40.91N–.02 22.77E–.01 11–7 108 0-3
ISK III 24 18 14 18.9 40.90N 22.77E 5–0 2.8L ¶610680721
SKO III 24 18 14 18.0 40.91N 22.77E 23 3.1L
THE III 24 18 14 19.2 40.91N 22.78E 10–1 2.4L
ATH III 24 18 14 19.4 40.90N 22.77E 7–1 2.5L
BEO III 24 18 14 20.2–.40 40.90N 22.76E 0–2 2.2L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.5km az=2.0.
ATH Event type ke. Error ellipse: s-maj=1.8km s-min=0.8km az=357.0.
BEO Event type ke.
ATH III 25 13 31 24.7 38.75N 20.55E 17–6 1.3L
¶615363674
ATH Event type ke. Error ellipse: s-maj=13.1km s-min=0.9km az=96.0.
ATH III 30 00 13 24.8 38.31N 20.40E 15–1 1.8L
¶616198872
ATH Event type ke. Error ellipse: s-maj=3.1km s-min=0.9km az=266.0.
ISC IV 03 23 23 09.0–.64 38.40N–.01 22.03E–.01 10–3 3.9b 358 0-119
IDC IV 03 23 23 07.7–.91 38.50N 22.09E 0 3.7,3.7b ¶610476786
ISK IV 03 23 23 08.2 38.40N 22.05E 9–0 3.2L,3.7b
THE IV 03 23 23 09.6 38.39N 22.00E 5–0 3.5L,3.7b
BEO IV 03 23 23 09.7–.70 38.42N 22.22E 0 3.3L,3.7b
ATH IV 03 23 23 09.1 38.39N 21.99E 10–0 3.5L,3.7b
PDG IV 03 23 23 10.9–.74 38.40N 22.12E 12–1 3.5L,3.7b
DDA IV 03 23 23 16.6–.00 38.39N 22.86E 6–4 2.7L,3.7b
NAO IV 03 23 23 32.2 40.21N 20.77E 33 3.7b,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=20.1km s-min=18.6km az=137.0.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=0.8km s-min=0.4km az=228.0.
BEO Event type ke.
ATH Event type ke. Error ellipse: s-maj=0.8km s-min=0.6km az=16.0.
PDG Event type ke. Error ellipse: s-maj=1.0km s-min=1.1km az=0.0.
ISC IV 04 15 12 26.8–.82 38.39N–.02 20.47E–.04 13–5 62 0-8
THE IV 04 15 12 27.6 38.38N 20.48E 10–1 3.4L ¶611015395
ATH IV 04 15 12 27.2 38.39N 20.47E 11–1 3.3L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.5km az=275.0.
ATH Event type ke. Error ellipse: s-maj=2.9km s-min=0.9km az=279.0.
ISC IV 05 15 43 28.9–.46 38.34N–.01 21.78E–.01 10–2 4.7b,3.9s 890 0-121
BEO IV 05 15 43 18.0–3.9 37.00N 22.02E 130–7 4.2L,3.9s ¶611832230
TIR IV 05 15 43 25.3 38.14N 21.86E 17–4 4.4,3.9s
MOS IV 05 15 43 27.4–1.0 38.29N 21.75E 11 4.9b,3.9s
IDC IV 05 15 43 28.0–.48 38.40N 21.81E 0 4.4,4.4b

THE IV 05 15 43 28.8 38.32N 21.76E 1–0 4.4L,4.4b
PDG IV 05 15 43 28.6–.46 38.36N 21.78E 5–0 4.5L,4.4b
MED_R IV 05 15 43 28.0–.30 38.32N 21.76E 14–2 4.7W,4.4b
UPSL IV 05 15 43 29.1 38.32N 21.77E 13 4.5W,4.4b
NEIC IV 05 15 43 29.4–2.0 38.39N–.06 21.81E–.07 10–1 4.8b,4.4b
ATH IV 05 15 43 29.1 38.32N 21.77E 14–3 4.5L,4.4b
DDA IV 05 15 43 33.6–.00 38.55N 22.44E 7–2 4.3W,4.4b
NAO IV 05 15 43 51.2 40.08N 20.71E 33 3.8b,4.4b
ISC Event type ke. Moment Tensor Solution. NP1:ϕ_s194.03107°,δ70.39087°,λ-169.92537°. NP2: ϕ_s100.61876°,δ80.51523°,λ-19.89230°. Principal axes: T Plg6.9374°,Azm148.5656° ; N Plg68.0452°,Azm256.1339°; P Plg20.7216°,Azm55.9273°
BEO Event type ke.
MOS Error ellipse: s-maj=3.9km s-min=2.3km az=82.2.
IDC Error ellipse: s-maj=10.9km s-min=10.0km az=170.0.
THE Event type ke. Error ellipse: s-maj=0.9km s-min=0.3km az=208.0.
PDG Event type ke. Error ellipse: s-maj=0.5km s-min=0.6km az=0.0.
MED_R nsta1 refers to body waves. nsta2 refers to surface waves, cutoff=35s. Moment Tensor Solution. Mantle waves: s16,c26;Duration: 1s0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.21±.14 $M_{\theta\theta}$0.22±.10; $M_{\phi\phi}$-0.01±.07; $M_{r\theta}$-0.57±.17; $M_{\theta\phi}$0.99±.07; $M_{\phi r}$0.53±.16; Best double couple: NP1:ϕ_s89.00000°,δ70.00000°,λ-28.00000°. NP2:ϕ_s189.00000°,δ64.00000°,λ-158.00000°. Principal axes: T 1.1100,Plg4.0000°,Azm140.0000°; N 0.2900,Plg56.0000°,Azm236.0000° ; P -1.4000,Plg33.0000°,Azm47.0000° $M_0$1.26000×10^{16}
UPSL Moment Tensor Solution. s6 Moment tensor: M_{rr}-4.33 $M_{\theta\theta}$3.33 $M_{\phi\phi}$1.00 $M_{r\theta}$-2.39 $M_{\theta\phi}$5.19 $M_{\phi r}$0.58 NP1:ϕ_s80.00000°,δ61.00000°,λ-49.00000°. NP2:ϕ_s200.00000°,δ48.00000° ,λ-140.00000°.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=8.5km az=220.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ATH Event type ke. Error ellipse: s-maj=3.7km s-min=0.9km az=76.0.
ISC IV 06 20 12 41.6–.67 38.39N–.02 20.46E–.02 18–4 3.9b,3.0s 207 0-122
GII IV 06 20 12 34.9–.00 38.35N 20.41E 10 3.9b,3.0s ¶610518258
PDG IV 06 20 12 42.2–.82 38.39N 20.44E 11–1 3.8L,3.0s
ATH IV 06 20 12 42.4 38.38N 20.48E 12–1 3.7L,3.0s
THE IV 06 20 12 42.4 38.39N 20.45E 9–0 3.8L,3.0s
TIR IV 06 20 12 43.4 38.55N 20.59E 21–2 4.1,4.0L
IDC IV 06 20 12 45.3–1.4 38.44N 20.42E 43–16 3.8,3.6b
ISC Event type ke.
GII Event type ke.
PDG Event type ke. Error ellipse: s-maj=1.0km s-min=1.7km az=0.0.
ATH Event type ke. Error ellipse: s-maj=2.2km s-min=0.8km az=278.0.
THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.5km az=272.0.
IDC Error ellipse: s-maj=13.4km s-min=10.4km az=10.0.
ISC IV 06 22 49 07.4–.73 38.40N–.02 20.46E–.03 15–4 3.5b 144 0-46
TIR IV 06 22 49 06.7 38.36N 20.59E 28–2 4.0,3.6L ¶610652108
ATH IV 06 22 49 08.5 38.38N 20.52E 9–1 3.3L,3.6L
THE IV 06 22 49 08.1 38.38N 20.47E 12–0 3.4L,3.6L
IDC IV 06 22 49 10.2–2.9 38.32N 20.36E 45–31 3.5,3.3b
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.9km s-min=0.7km az=277.0.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.5km az=271.0.
IDC Error ellipse: s-maj=76.1km s-min=15.8km az=44.0.
ISC IV 07 15 50 29.2–.94 38.52N–.02 23.46E–.01 9–6 4.0b,3.2s 317 0-77
IDC IV 07 15 50 28.5–.78 38.39N 23.41E 0 3.8,3.8b ¶610598321
THE IV 07 15 50 29.5 38.48N 23.47E 0–1 3.8L,3.8b
NEIC IV 07 15 50 29.4–2.3 38.53N–.05 23.44E–.05 10–1 4.3b,3.8b
ATH IV 07 15 50 29.6 38.47N 23.46E 6–1 3.8L,3.8b
ISK IV 07 15 50 30.3 38.54N 23.40E 19–0 3.7L,3.8b
TIR IV 07 15 50 31.9 38.66N 23.52E 20–6 4.5,3.8L
BEO IV 07 15 50 39.5–.80 39.22N 23.43E 0 3.1L,3.8L
NAO IV 07 15 50 46.3 39.54N 21.95E 33 4.0b,3.8L
ISC Event type ke.
IDC Error ellipse: s-maj=16.8km s-min=14.8km az=126.0.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.4km az=47.0.
NEIC Event type se. Error ellipse: s-maj=8.5km s-min=6.6km az=209.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ATH Event type ke. Error ellipse: s-maj=1.6km s-min=0.6km az=139.0.
ISK Event type ke.
BEO Event type ke.
ATH IV 07 23 49 04.0 38.45N 23.47E 9–3 1.3L ¶616199113
ATH Event type ke. Error ellipse: s-maj=3.7km s-min=0.6km az=65.0.
ISC IV 08 03 14 54.8–.83 40.77N–.02 21.21E–.02 8–6 115 0-6
TIR IV 08 03 14 54.3 40.75N 21.20E 7–1 2.8,2.5L ¶610972391
ATH IV 08 03 14 54.5 40.78N 21.18E 4–1 2.5L,2.5L
THE IV 08 03 14 54.5 40.77N 21.20E 9–1 2.5L,2.5L
SKO IV 08 03 14 55.2 40.83N 21.28E 11 2.4L,2.5L
BEO IV 08 03 14 56.5–.30 40.85N 21.30E 0 2.2L,2.5L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.4km s-min=1.1km az=138.0.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.5km az=341.0.
BEO Event type ke.
ATH IV 08 18 11 07.1 38.46N 23.48E 18–2 1.5L ¶616199133
ATH Event type ke. Error ellipse: s-maj=2.8km s-min=0.9km az=164.0. ML Amplitudes are expressed in micrometers.
ATH IV 11 21 14 45.5 38.49N 23.47E 10–1 1.7L ¶616199280
ATH Event type ke. Error ellipse: s-maj=1.6km s-min=0.6km az=72.0.
ATH IV 12 22 41 17.3 38.50N 21.85E 12–2 1.8L ¶616199326
ATH Event type ke. Error ellipse: s-maj=2.8km s-min=0.8km az=104.0.
ATH IV 13 00 12 16.5 38.47N 23.46E 18–2 1.0L ¶617153878
ATH Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=291.0.
THE IV 13 00 12 34.9 38.88N 21.19E 26–1 2.2L ¶611015534
THE Event type ke. Error ellipse: s-maj=2.8km s-min=0.7km az=185.0.
ISC IV 13 11 51 17.6–.75 38.39N–.02 20.49E–.03 11–5 3.5b 83 0-46
IDC IV 13 11 51 16.5–1.2 38.60N 20.54E 0 3.7L,3.5b ¶610652634
THE IV 13 11 51 17.7 38.39N 20.48E 1–31 3.3L,3.5b
ATH IV 13 11 51 18.0 38.38N 20.53E 4–2 3.2L,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=25.3km s-min=19.3km az=55.0.
THE Event type ke. Error ellipse: s-maj=31.6km s-min=0.4km az=0.0.
ATH Event type ke. Error ellipse: s-maj=2.4km s-min=0.9km az=219.0.
ISC IV 13 22 12 40.3–.74 38.38N–.02 21.78E–.02 11–4 3.6b 167 0-45
ATH IV 13 22 12 40.2 38.39N 21.78E 5–1 3.3L ¶610652663
THE IV 13 22 12 40.4 38.39N 21.77E 7–1 3.3L
IDC IV 13 22 12 44.6–2.2 38.38N 21.78E 47–28 3.4,3.3b
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.5km s-min=0.7km az=319.0.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.6km az=255.0.
IDC Error ellipse: s-maj=21.0km s-min=18.4km az=62.0.
ISC IV 15 01 34 45.6–.67 38.40N–.02 20.40E–.02 16–4 3.8b,3.1s 357 0-73
IDC IV 15 01 34 43.9–.83 38.49N 20.43E 0 3.7,3.7b ¶610528326
THE IV 15 01 34 46.8 38.39N 20.46E 0–1 3.9L,3.7b
ATH IV 15 01 34 46.7 38.39N 20.51E 8–1 3.9L,3.7b
NAO IV 15 01 34 48.5 38.36N 20.31E 33 3.8b,3.7b
PDG IV 15 01 34 48.1–.66 38.32N 20.30E 2–1 3.9L,3.7b
BEO IV 15 01 34 49.8–.70 38.49N 19.94E 42–3 3.8L,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=16.7km s-min=13.8km az=179.0.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.5km az=251.0.
ATH Event type ke. Error ellipse: s-maj=2.2km s-min=0.9km az=273.0.
PDG Event type ke. Error ellipse: s-maj=0.8km s-min=1.8km az=0.0.
BEO Event type ke.
ISC IV 15 02 51 28.6–.96 38.39N–.02 20.42E–.04 17–6 51 0-7
THE IV 15 02 51 30.0 38.40N 20.46E 0–1 2.5L ¶611015562
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.5km az=276.0.
ISC IV 15 03 36 03.6–.88 38.40N–.02 20.44E–.04 16–6 50 0-7
THE IV 15 03 36 04.5 38.39N 20.47E 0–2 2.5L ¶611015563
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=2.1km s-min=0.5km az=271.0.
ATH IV 16 09 53 03.9 38.38N 20.47E 9–4 1.0L ¶616199528
ATH Event type ke. Error ellipse: s-maj=4.2km s-min=0.8km az=105.0.
THE IV 16 23 58 19.1 38.39N 20.50E 0–1 2.1L
ATH IV 16 23 58 19.0 38.39N 20.47E 9–1 2.1L ¶616199577
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.4km az=323.0.
ATH Event type ke. Error ellipse: s-maj=1.6km s-min=0.8km az=267.0.
ATH IV 19 21 35 51.9 38.48N 20.51E 11–2 1.8L ¶616199641
ATH Event type ke. Error ellipse: s-maj=2.6km s-min=0.8km az=279.0.
ISC IV 19 23 14 22.5–.67 38.75N–.02 20.62E–.03 17–3 3.4b 149 0-45
IDC IV 19 23 14 19.1–1.5 38.63N 20.73E 0 3.7L,3.5 ¶610653080
BEO IV 19 23 14 23.5–.70 38.61N 20.30E 23–8 3.2L,3.5
ATH IV 19 23 14 23.8 38.72N 20.64E 10–1 3.1L,3.5
THE IV 19 23 14 23.3 38.73N 20.61E 12–0 3.3L,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=30.3km s-min=26.3km az=98.0.
BEO Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.8km s-min=0.8km az=281.0.
THE Event type ke. Error ellipse: s-maj=0.7km s-min=0.4km az=283.0.
ISC IV 20 22 09 22.3–.85 38.39N–.02 20.41E–.03 13–5 143 0-11
ATH IV 20 22 09 22.9 38.38N 20.49E 16–0 3.2L ¶611015646
THE IV 20 22 09 23.3 38.39N 20.48E 11–0 3.3L
BEO IV 20 22 09 24.3–.60 38.33N 20.10E 22–5 3.4L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.2km s-min=0.7km az=266.0.
THE Event type ke. Error ellipse: s-maj=0.8km s-min=0.3km az=273.0.
BEO Event type ke.
ISC IV 21 05 08 00.5–.92 38.39N–.02 20.48E–.04 10–6 69 0-2
ATH IV 21 05 08 00.6 38.39N 20.45E 8–1 2.5L ¶611015656
THE IV 21 05 08 00.7 38.39N 20.49E 5–1 2.6L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.4km s-min=0.7km az=273.0.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.5km az=284.0.
ISC IV 21 22 30 02.6–.85 38.38N–.02 20.46E–.03 14–5 57 0-7
ATH IV 21 22 30 03.5 38.37N 20.51E 6–2 2.6L ¶611015677
THE IV 21 22 30 03.0 38.39N 20.45E 12–0 2.8L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.3km s-min=0.9km az=273.0.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.4km az=281.0.
ISC IV 22 20 27 02.5–.74 38.34N–.02 22.01E–.01 8–4 3.9b 217 0-88
BEO IV 22 20 26 48.7–3.1 36.70N 22.28E 144–1 3.5L ¶610653280
ATH IV 22 20 27 02.3 38.35N 22.00E 10–0 3.4L
THE IV 22 20 27 02.6 38.34N 22.00E 9–0 3.4L
IDC IV 22 20 27 06.9–1.6 38.28N 22.08E 46–20 3.6,3.5b
NAO IV 22 20 27 10.3 39.21N 24.42E 33 3.5b,3.5b
ISC Event type ke.
BEO Event type ke.
ATH Event type ke. Error ellipse: s-maj=0.9km s-min=0.6km az=25.0.
THE Event type ke. Error ellipse: s-maj=0.8km s-min=0.5km az=228.0.
IDC Error ellipse: s-maj=17.8km s-min=13.6km az=53.0.
ISC IV 22 23 23 28.0–.86 38.38N–.02 20.44E–.03 13–5 68 0-7
THE IV 22 23 23 28.4 38.39N 20.44E 11–0 2.8L ¶611015704
ATH IV 22 23 23 28.6 38.36N 20.49E 9–1 2.6L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.4km az=280.0.
ATH Event type ke. Error ellipse: s-maj=2.4km s-min=0.8km az=282.0.
ATH IV 22 23 54 41.9 38.73N 22.50E 10–2 1.8L ¶611015705
ATH Event type ke. Error ellipse: s-maj=2.6km s-min=0.8km az=31.0.
THE IV 22 23 55 22.8 38.39N 20.44E 11–1 1.8L ¶617153888
THE Event type ke. Error ellipse: s-maj=2.0km s-min=0.4km az=132.0.
ATH IV 23 04 25 34.4 38.34N 22.01E 7–3 1.5L ¶616740997
ATH Event type ke. Error ellipse: s-maj=3.3km s-min=0.8km az=57.0.
ISC IV 25 21 39 15.9–.79 38.38N–.02 21.78E–.02 13–5 77 0-1
THE IV 25 21 39 16.1 38.37N 21.79E 14–1 1.7L ¶611015744
ATH IV 25 21 39 16.4 38.38N 21.79E 11–1 1.7L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.6km az=107.0.
ATH Event type ke. Error ellipse: s-maj=1.2km s-min=0.6km az=78.0.
ATH IV 27 21 10 46.6 38.20N 20.41E 15–2 1.8L ¶616566851
ATH Event type ke. Error ellipse: s-maj=2.8km s-min=1.1km az=224.0.
ATH IV 27 21 17 23.9 38.38N 20.47E 12–3 1.0L ¶616200079
ATH Event type ke. Error ellipse: s-maj=3.2km s-min=0.8km az=184.0.
ATH IV 28 03 07 09.1 38.37N 20.47E 11–4 0.4L ¶616200110
ATH Event type ke. Error ellipse: s-maj=4.1km s-min=0.9km az=217.0.
ISC IV 30 08 08 28.7–.81 38.39N–.02 20.45E–.03 17–5 58 0-7
ATH IV 30 08 08 29.2 38.38N 20.48E 14–2 2.2L ¶611015824
THE IV 30 08 08 29.3 38.39N 20.45E 13–1 2.3L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.4km s-min=0.7km az=266.0.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.4km az=142.0.
ISC IV 30 22 35 00.0–.89 38.31N–.02 20.37E–.04 16–5 57 0-7
ATH IV 30 22 35 00.7 38.31N 20.40E 11–1 2.2L ¶611015838
THE IV 30 22 35 00.4 38.32N 20.37E 12–1 2.5L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.1km s-min=0.8km az=270.0.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.3km az=206.0.
ISC V 01 11 02 40.6–.61 38.24N–.02 20.50E–.02 17–3 4.1b 343 0-98
TIR V 01 11 02 37.3 38.10N 20.37E 27–1 4.1L,4.1 ¶610589609
IDC V 01 11 02 39.0–1.0 38.40N 20.61E 0 3.9b,3.8
NEIC V 01 11 02 39.5–2.3 38.18N–.03 20.40E–.07 10–1 4.3b,3.8
PDG V 01 11 02 40.9–.57 38.23N 20.39E 7–1 3.8L,3.8
THE V 01 11 02 41.6 38.20N 20.51E 12–0 4.0L,3.8
BEO V 01 11 02 41.5–.50 38.31N 20.21E 0 3.8L,3.8
ATH V 01 11 02 41.8 38.22N 20.55E 4–1 3.7L,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=19.3km s-min=15.9km az=19.0.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=5.1km az=249.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PDG Event type ke. Error ellipse: s-maj=0.8km s-min=1.2km az=0.0.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.6km az=249.0.
BEO Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.3km s-min=0.7km az=230.0. ML Amplitudes are expressed in micrometers.
ISC V 02 13 35 41.1–.73 38.40N–.02 20.43E–.03 16–4 3.6b 114 0-46
IDC V 02 13 35 38.5–3.3 38.48N 20.31E 0 3.6b,3.5 ¶610592319
BEO V 02 13 35 38.1–3.1 37.83N 20.12E 66–1 3.2L,3.5
THE V 02 13 35 41.9 38.39N 20.47E 11–0 3.4L,3.5
ATH V 02 13 35 42.1 38.39N 20.47E 11–0 3.3L,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=58.2km s-min=25.9km az=50.0.
BEO Event type ke.
THE Event type ke. Error ellipse: s-maj=0.7km s-min=0.3km az=277.0.
ATH Event type ke. Error ellipse: s-maj=1.8km s-min=0.7km az=280.0. ML Amplitudes are expressed in micrometers.
ISC V 02 13 36 53.3–.66 38.39N–.02 20.41E–.02 14–4 4.2b,2.9s 220 0-122
NEIC V 02 13 36 50.5–2.8 38.02N–.06 20.37E–.07 10–1 4.5b,2.9s ¶610689394
IDC V 02 13 36 51.3–.63 38.54N 20.36E 0 3.9,3.9b
THE V 02 13 36 53.8 38.39N 20.44E 11–0 3.9L,3.9b
ATH V 02 13 36 53.9 38.39N 20.46E 10–1 3.9L,3.9b

PDG V 02 13 36 54.1–1.2 38.39N 20.37E 10–2 4.0L,3.9b
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=7.8km az=216.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=12.9km s-min=11.9km az=11.0.
THE Event type ke. Error ellipse: s-maj=0.6km s-min=0.3km az=277.0.
ATH Event type ke. Error ellipse: s-maj=1.5km s-min=0.6km az=278.0. ML Amplitudes are expressed in micrometers.
PDG Event type ke. Error ellipse: s-maj=1.8km s-min=2.5km az=0.0.
ATH V 02 14 29 56.1 38.39N 20.45E 14–1 1.9L
THE V 02 14 29 55.7 38.38N 20.45E 17–0 2.1L ¶611015881
ATH Event type ke. Error ellipse: s-maj=2.1km s-min=0.6km az=281.0. ML Amplitudes are expressed in micrometers.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.3km az=278.0.
ISC V 02 15 19 33.4–.96 38.39N–.02 20.46E–.05 14–6 49 0-1
ATH V 02 15 19 34.0 38.39N 20.46E 13–1 1.7L ¶611015887
THE V 02 15 19 34.1 38.38N 20.47E 11–1 2.0L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.0km s-min=0.6km az=283.0. ML Amplitudes are expressed in micrometers.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.3km az=188.0.
THE V 03 07 28 12.8 38.38N 20.45E 11–1 1.8L
¶611015910
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.3km az=171.0.
ISC V 03 08 16 47.1–.97 40.68N–.03 21.35E–.04 8–8 24 0-1
THE V 03 08 16 45.7 40.77N 21.24E 14–1 2.2L ¶611015912
SKO V 03 08 16 45.8 40.75N 21.35E 20 2.6L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=1.0km az=308.0.
ISC V 05 21 27 57.2–.83 38.40N–.07 20.74E–.05 9 3.7b 33 3-45
IDC V 05 21 27 59.2–1.7 38.75N 21.40E 0 3.5b,3.4 ¶610669477
ISC Event type ke.
IDC Error ellipse: s-maj=34.6km s-min=19.4km az=37.0.
ISC V 06 01 25 32.4–.79 40.22N–.02 21.53E–.02 16–5 3.6b 234 0-32
IDC V 06 01 25 29.5–1.3 40.27N 21.25E 0 3.6,3.6b ¶610613141
SKO V 06 01 25 31.9 40.13N 21.48E 0 4.5L,3.6b
PDG V 06 01 25 31.6–.29 40.27N 21.64E 6–1 3.7L,3.6b
THE V 06 01 25 32.1 40.24N 21.55E 6–0 3.5L,3.6b
ATH V 06 01 25 32.8 40.24N 21.50E 19–1 3.4L,3.6b
SOF V 06 01 25 34.2 40.50N 21.86E 2 3.6,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=21.5km s-min=18.1km az=105.0.
PDG Event type ke. Error ellipse: s-maj=1.5km s-min=1.0km az=90.0.
THE Event type ke. Error ellipse: s-maj=0.6km s-min=0.3km az=332.0.
ATH Event type ke. Error ellipse: s-maj=1.5km s-min=0.9km az=302.0. ML Amplitudes are expressed in micrometers.
ISC V 06 06 15 42.7–.79 40.23N–.01 21.57E–.01 17–5 3.6b 271 0-122
PDG V 06 06 15 41.1–.12 40.14N 21.59E 12–1 3.7L ¶610613153
BEO V 06 06 15 41.5–1.4 40.11N 21.62E 7–6 3.6L
SKO V 06 06 15 42.9 40.15N 21.50E 3 4.2L
THE V 06 06 15 43.1 40.24N 21.55E 12–0 3.8L
ATH V 06 06 15 43.0 40.25N 21.59E 4–1 3.7L
IDC V 06 06 15 44.2–2.6 40.27N 21.53E 34–24 3.7,3.5b
ISC Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.7km s-min=0.4km az=90.0.
BEO Event type ke.
THE Event type ke. Error ellipse: s-maj=0.9km s-min=0.5km az=340.0.
ATH Event type ke. Error ellipse: s-maj=1.4km s-min=0.7km az=1.0. ML Amplitudes are expressed in micrometers.
IDC Error ellipse: s-maj=15.8km s-min=14.5km az=59.0.
ISC V 08 00 57 56.5–.76 38.23N–.02 21.97E–.02 7–4 3.5b 104 0-45
ATH V 08 00 57 56.7 38.23N 21.98E 6–2 3.1L ¶610689768
IDC V 08 00 57 56.4–1.2 38.56N 22.02E 0 3.4b,3.3
THE V 08 00 57 57.2 38.24N 21.98E 7–1 3.0L,3.3
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.4km s-min=0.7km az=25.0. ML Amplitudes are expressed in micrometers.
IDC Error ellipse: s-maj=29.9km s-min=19.9km az=138.0.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.5km az=83.0.
ATH V 08 02 39 01.7 38.29N 21.77E 9–2 1.0L
THE V 08 02 39 03.6 38.34N 21.94E 8–2 1.0L ¶611016002
ATH Event type ke. Manual Solution by D.Makaris ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
THE Event type ke. Error ellipse: s-maj=2.9km s-min=0.7km az=4.0.
ATH V 08 02 39 10.0 38.72N 23.34E 20–5 1.5L
¶611016005
ATH Event type ke. Error ellipse: s-maj=5.6km s-min=0.9km az=263.0. ML Amplitudes are expressed in micrometers.
ISC V 09 07 13 22.9–.77 38.41N–.02 21.77E–.02 13–5 4.0b 89 0-45
IDC V 09 07 13 21.6–2.8 38.52N 21.60E 0 4.2,4.2b ¶610667643
ATH V 09 07 13 22.9 38.38N 21.76E 13–2 3.4L,4.2b
THE V 09 07 13 23.4 38.38N 21.76E 7–1 3.3L,4.2b
BEO V 09 07 13 35.4–.70 39.37N 23.06E 0 2.8L,4.2b
ISC Event type ke.
IDC Error ellipse: s-maj=323.6km s-min=27.1km az=137.0.
ATH Event type ke. Error ellipse: s-maj=2.6km s-min=0.7km az=53.0. ML Amplitudes are expressed in micrometers.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.4km az=188.0.
BEO Event type ke.
ISC V 12 20 32 30.4–.77 40.74N–.02 23.21E–.01 13–5 142 0-6
SKO V 12 20 32 28.6 40.63N 23.20E 11 2.8L ¶611016113
ATH V 12 20 32 29.8 40.72N 23.21E 18–1 2.9L
SOF V 12 20 32 29.9 40.75N 23.20E 16 3.6
ISK V 12 20 32 29.7 40.75N 23.22E 11–0 2.8L
THE V 12 20 32 30.4 40.74N 23.21E 10–0 2.8L
BEO V 12 20 32 31.4–.50 40.83N 23.21E 3–2 2.5L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.6km s-min=0.8km az=326.0. ML Amplitudes are expressed in micrometers.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.5km az=330.0.
BEO Event type ke.
ISC V 14 04 46 07.4–.56 38.90N–.01 21.93E–.01 15–3 4.4b,3.3s 670 0-121
TIR V 14 04 46 06.3 38.90N 21.91E 18–7 4.6L,4.2 ¶610638597
ATH V 14 04 46 06.2 38.91N 21.91E 24–0 4.1L,4.2
PDG V 14 04 46 06.8–.86 38.90N 21.98E 14–1 4.2L,4.2
MOS V 14 04 46 07.7–1.1 38.93N 21.98E 26 4.6b,4.2
THE V 14 04 46 07.4 38.91N 21.93E 6–1 4.2L,4.2
NEIC V 14 04 46 08.8–2.2 38.88N–.05 22.00E–.06 23–6 4.4b,4.2
ISK V 14 04 46 09.1 38.97N 22.19E 24–0 3.7L,4.2
DDA V 14 04 46 09.0–.00 38.92N 22.05E 24–4 4.1W,4.2
IDC V 14 04 46 09.4–2.4 38.91N 22.02E 28–16 4.3,4.1b
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=0.8km s-min=0.5km az=143.0. ML Amplitudes are expressed in micrometers.
PDG Event type ke. Error ellipse: s-maj=0.7km s-min=0.8km az=0.0.
MOS Error ellipse: s-maj=5.6km s-min=3.1km az=81.1.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.5km az=187.0.
NEIC Event type se. Error ellipse: s-maj=8.2km s-min=5.8km az=50.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISK Event type ke.
IDC Error ellipse: s-maj=9.8km s-min=8.8km az=133.0.
ATH V 14 12 11 04.2 38.83N 20.66E 14–1 1.7L
¶616764147
ATH Event type ke. Error ellipse: s-maj=2.5km s-min=1.1km az=88.0. ML Amplitudes are expressed in micrometers.
ISC V 15 19 41 37.1–1.2 38.04N–.05 20.29E–.07 32–6 46 0-11
THE V 15 19 41 38.7 38.05N 20.33E 21–0 3.8L ¶611016168

ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.6km az=72.0.
ISC V 30 09 30 37.2–1.1 40.80N–.03 21.42E–.03 13–10 48 1-2
THE V 30 09 30 36.5 40.84N 21.39E 2–1 2.2L ¶611016607
SKO V 30 09 30 36.5 40.73N 21.45E 15 2.5L
ATH V 30 09 30 37.2 40.74N 21.47E 18–1 2.2L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.7km az=100.0.
ATH Event type ke. Error ellipse: s-maj=3.1km s-min=1.3km az=131.0. ML Amplitudes are expressed in micrometers.
ISC VI 08 10 20 19.7–1.0 39.53N–.04 21.84E–.04 27–9 20 0-2
TIR VI 08 10 20 19.0 39.56N 21.82E 22–54 3.4,2.1L ¶611475050
THE VI 08 10 20 19.6 39.54N 21.68E 18–1 2.8L,2.1L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.8km az=69.0.
ATH VI 13 12 00 12.1 38.27N 21.26E 18–1 1.7L
¶616764551
ATH Event type ke. Error ellipse: s-maj=1.9km s-min=1.0km az=166.0. ML Amplitudes are expressed in micrometers.
ATH VI 15 12 26 35.7 38.92N 23.85E 8–1 2.5L
THE VI 15 12 26 35.8 38.88N 23.82E 7–1 2.5L ¶611017243
ATH Event type ke. Error ellipse: s-maj=1.1km s-min=0.6km az=114.0. ML Amplitudes are expressed in micrometers.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.4km az=197.0.
ISC VI 17 02 03 22.5–1.0 38.10N–.02 23.43E–.02 10–8 3.5b 68 0-43
IDC VI 17 02 03 21.5–1.6 37.85N 23.61E 0 3.5,3.4b ¶610792040
ISK VI 17 02 03 21.1 38.07N 23.37E 6–0 3.2L,3.4b
THE VI 17 02 03 22.8 38.13N 23.45E 9–1 3.4L,3.4b
ISC Event type ke.
IDC Error ellipse: s-maj=59.8km s-min=28.2km az=154.0.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.5km az=154.0.
ISC VI 18 05 44 24.6–.93 39.11N–.02 21.75E–.02 12–6 3.9b 153 0-95
NAO VI 18 05 43 45.7 34.63N 23.18E 33 3.5b ¶610760965
IDC VI 18 05 44 23.1–.95 39.21N 21.71E 0 3.8b,3.6
TIR VI 18 05 44 24.0 39.22N 21.68E 0–5 3.6,3.5L
SOF VI 18 05 44 24.8 39.26N 21.90E 6 3.7,3.5L
PDG VI 18 05 44 24.6–.65 39.18N 21.72E 7–1 3.4L,3.5L
THE VI 18 05 44 24.8 39.13N 21.71E 8–1 3.5L,3.5L
ISK VI 18 05 44 27.6 39.16N 22.38E 9–0 3.2L,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=16.9km s-min=15.6km az=158.0.
PDG Event type ke. Error ellipse: s-maj=1.1km s-min=1.1km az=0.0.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.4km az=209.0.
ISK Event type ke.
ISC VI 18 15 23 32.3–.94 38.02N–.02 21.18E–.02 8–6 4.3b 232 0-122
IDC VI 18 15 23 31.2–.68 38.14N 21.17E 0 4.0b,3.9 ¶610681519
THE VI 18 15 23 32.3 38.02N 21.21E 6–4 3.9L,3.9
PDG VI 18 15 23 32.0–.86 38.04N 21.20E 6–1 3.8L,3.9
ATH VI 18 15 23 32.7 38.03N 21.16E 6–2 3.8L,3.9
NEIC VI 18 15 23 33.3–2.5 38.01N–.05 21.22E–.07 10–1 4.4b,3.9
NAO VI 18 15 24 00.6 40.52N 20.84E 33 3.8b,3.9
ISC Event type ke.
IDC Error ellipse: s-maj=16.3km s-min=12.6km az=56.0.
THE Event type ke. Error ellipse: s-maj=4.1km s-min=0.5km az=176.0.
PDG Event type ke. Error ellipse: s-maj=1.1km s-min=1.4km az=0.0.
ATH Event type ke. Error ellipse: s-maj=2.3km s-min=0.7km az=19.0. ML Amplitudes are expressed in micrometers.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=7.4km az=231.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 19 04 55 36.5–.60 38.02N–.02 21.19E–.02 11–3 4.4b,3.5s 437 0-146
MOS VI 19 04 55 35.1–1.1 37.97N 21.06E 14 4.6b,3.5s ¶610681631
THE VI 19 04 55 36.5 38.05N 21.19E 12–2 4.1L,3.5s
PDG VI 19 04 55 36.8–.83 38.04N 21.18E 12–1 4.2L,3.5s
ATH VI 19 04 55 37.1 38.00N 21.20E 10 4.1W,3.5s
UPSL VI 19 04 55 37.1 38.00N 21.20E 10 4.2W,3.5s
NEIC VI 19 04 55 37.5–1.8 38.06N–.06 21.15E–.04 15–4 4.5b,3.5s
IDC VI 19 04 55 40.9–1.5 38.12N 21.15E 39–14 4.2,4.1b
NAO VI 19 04 55 53.4 39.89N 23.67E 33 3.5b,4.1b
ISC Event type ke.
MOS Error ellipse: s-maj=6.4km s-min=3.7km az=75.5.
THE Event type ke. Error ellipse: s-maj=2.0km s-min=0.4km az=173.0.
PDG Event type ke. Error ellipse: s-maj=1.0km s-min=1.2km az=0.0.
ATH Moment Tensor Solution. s8 Moment tensor: M_{rr}-1.18 $M_{\theta\theta}$1.13 $M_{\phi\phi}$0.05 $M_{r\theta}$1.22 $M_{\theta\phi}$0.59 $M_{\phi r}$-0.20 NP1:ϕ_s45.00000°,δ29.00000°,λ-130.00000°. NP2:ϕ_s268.00000°,δ68.00000°,λ-70.00000°.
UPSL Moment Tensor Solution. s4 Moment tensor: M_{rr}-1.85 $M_{\theta\theta}$1.73 $M_{\phi\phi}$0.13 $M_{r\theta}$1.16 $M_{\theta\phi}$0.67 $M_{\phi r}$0.28 NP1:ϕ_s66.00000°,δ29.00000°,λ-97.00000°. NP2:ϕ_s254.00000°,δ61.00000°,λ-86.00000°.
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=4.4km az=175.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=11.6km s-min=10.6km az=165.0.
ISC VI 22 18 26 12.8–1.0 38.46N–.02 23.51E–.02 6–8 3.5b 150 0-44
DDA VI 22 18 26 00.8–.00 38.37N 22.71E 8–2 3.8W ¶610789289
IDC VI 22 18 26 11.9–1.0 38.41N 23.50E 0 3.6,3.6b
ATH VI 22 18 26 13.1 38.48N 23.52E 5–1 3.5L,3.6b
THE VI 22 18 26 13.1 38.47N 23.48E 6–1 3.7L,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=20.6km s-min=17.3km az=105.0.
ATH Event type ke. Error ellipse: s-maj=1.5km s-min=0.7km az=140.0. ML Amplitudes are expressed in micrometers.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.7km az=102.0.
ISC VI 23 22 26 17.7–.96 38.45N–.01 23.48E–.01 9–7 3.5b 216 0-58
IDC VI 23 22 26 16.2–1.1 38.39N 23.44E 0 3.5,3.5b ¶610789363
ISK VI 23 22 26 16.9 38.47N 23.48E 7–0 3.6L,3.5b
THE VI 23 22 26 17.6 38.46N 23.49E 6–0 3.6L,3.5b
ATH VI 23 22 26 17.5 38.46N 23.53E 17–4 3.6L,3.5b
DDA VI 23 22 26 19.0–.00 38.49N 23.55E 15 3.9W,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=18.7km s-min=17.1km az=69.0.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=0.9km s-min=0.4km az=141.0.
ATH Event type ke. Manual Solution by I.Dede ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 2 km.
ISC VI 25 08 48 34.0–1.1 38.95N–.02 23.28E–.02 7–9 91 0-43
DDA VI 25 08 48 26.0–.00 38.92N 22.28E 34 3.4L ¶610694611
IDC VI 25 08 48 32.9–4.2 38.31N 23.62E 0 3.2b,3.1
THE VI 25 08 48 34.7 38.97N 23.27E 3–2 3.3L,3.1
ISC Event type ke.
IDC Error ellipse: s-maj=166.9km s-min=25.8km az=176.0.
THE Event type ke. Error ellipse: s-maj=2.0km s-min=0.5km az=247.0.
ISC VI 25 13 54 41.7–.83 38.37N–.02 23.34E–.01 13–5 4.0b,2.7s 242 0-120
IDC VI 25 13 54 39.3–.92 38.36N 23.30E 0 3.8,3.8b ¶610694597
THE VI 25 13 54 41.4 38.37N 23.33E 0–1 4.0L,3.8b
ATH VI 25 13 54 41.9 38.37N 23.34E 10–2 4.0L,3.8b
NEIC VI 25 13 54 42.2–2.5 38.35N–.05 23.39E–.07 10–1 4.3b,3.8b
BEO VI 25 13 54 43.7–.80 38.52N 23.38E 0 3.2L,3.8b
NAO VI 25 13 55 01.9 40.09N 22.83E 33 3.2b,3.8b
ISC Event type ke.
IDC Error ellipse: s-maj=17.2km s-min=15.7km az=42.0.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.3km az=69.0.
ATH Event type ke. Error ellipse: s-maj=2.4km s-min=0.7km az=121.0. ML Amplitudes are expressed in micrometers.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=8.6km az=126.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BEO Event type ke.
ISC VI 26 10 17 51.5–.68 38.23N–.02 20.34E–.02 19–2 4.2b,2.9s 476 0-122
NAO VI 26 10 17 28.7 35.79N 22.49E 33 4.4b,2.9s ¶610694817

MOS VI 26 10 17 48.9–1.3 38.25N 20.27E 12 4.4b,2.9s
IDC VI 26 10 17 48.6–.79 38.25N 20.45E 0 4.1b,4.0
MED_R VI 26 10 17 50.0–.90 38.18N 20.26E 21–4 4.0W,4.0
BEO VI 26 10 17 51.2–.80 38.21N 20.15E 12–4 3.9L,4.0
PDG VI 26 10 17 51.6–.96 38.22N 20.25E 13–1 4.3L,4.0
NEIC VI 26 10 17 51.4–2.4 38.27N–.06 20.27E–.04 10–1 4.3b,4.0
THE VI 26 10 17 52.2 38.23N 20.39E 15–0 3.5L,4.0
ATH VI 26 10 17 52.6 38.24N 20.39E 12–0 3.8L,4.0
ISC Event type ke.
MOS Error ellipse: s-maj=7.4km s-min=4.1km az=64.8.
IDC Error ellipse: s-maj=17.5km s-min=13.1km az=173.0.
MED_R nsta1 refers to body waves. nsta2 refers to surface waves, cutoff=35s. Moment Tensor Solution. Mantle waves: s5,c6;Duration: 1s0 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.31±.20 $M_{\theta\theta}$0.75±.17; $M_{\phi\phi}$-0.44±.11; $M_{r\theta}$0.42±.12; $M_{\theta\phi}$-0.02±.10; $M_{\phi r}$-0.94±.29; Best double couple: NP1:ϕ_s318.00000°,δ82.00000°,λ-58.00000°. NP2:ϕ_s61.00000°,δ33.00000°,λ-165.00000°. Principal axes: T 1.0100,Plg29.0000°,Azm22.0000°; N 0.3400,Plg32.0000°,Azm133.0000° ; P -1.3500,Plg44.0000°,Azm259.0000° $M_0$1.18000×10^{15}
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=1.3km s-min=1.5km az=0.0.
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=5.6km az=170.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.4km az=263.0.
ATH Event type ke. Error ellipse: s-maj=1.6km s-min=0.8km az=262.0. ML Amplitudes are expressed in micrometers.
ATH VI 26 11 46 16.7 38.16N 20.37E 12–1 1.8L
¶616764676
ATH Event type ke. Error ellipse: s-maj=2.4km s-min=1.3km az=244.0. ML Amplitudes are expressed in micrometers.
ISC VI 27 00 56 41.5–.93 39.08N–.02 21.74E–.02 15–7 3.7b 172 0-59
NAO VI 27 00 56 29.6 37.58N 22.44E 33 3.3b **¶610695204**
THE VI 27 00 56 41.3 39.05N 21.73E 8–0 3.6L
SOF VI 27 00 56 44.1 39.34N 22.14E 5 3.7
IDC VI 27 00 56 44.8–1.4 39.08N 21.73E 43–19 3.6,3.5b
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=0.9km s-min=0.4km az=125.0.
IDC Error ellipse: s-maj=14.3km s-min=12.0km az=6.0.
ISC VI 27 03 51 14.8–.53 38.24N–.02 20.33E–.02 17–3 4.4b,3.0s 566 0-122
TIR VI 27 03 51 11.6 38.12N 20.31E 23–4 4.3L,4.3 **¶616388692**
MOS VI 27 03 51 12.9–1.4 38.28N 20.18E 14 4.7b,4.3
IDC VI 27 03 51 12.4–.57 38.35N 20.33E 0 4.2b,4.1
THE VI 27 03 51 14.8 38.22N 20.32E 0–1 3.8L,4.1
NEIC VI 27 03 51 14.4–1.9 38.22N–.05 20.33E–.03 10–1 4.3b,4.1
BGR VI 27 03 51 15.7–1.7 38.36N 21.05E 10 4.3b,4.1
PDG VI 27 03 51 15.2–.70 38.27N 20.27E 11–0 4.3L,4.1
ATH VI 27 03 51 16.6 38.26N 20.42E 9–0 3.9L,4.1
BEO VI 27 03 51 18.8–.60 38.47N 19.98E 28–7 3.9L,4.1
ISC Event type ke.
MOS Error ellipse: s-maj=6.2km s-min=3.6km az=74.2.
IDC Error ellipse: s-maj=11.8km s-min=10.5km az=148.0.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.6km az=250.0.
NEIC Event type se. Error ellipse: s-maj=9.7km s-min=3.0km az=203.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BGR Event type ke. Error ellipse: s-maj=72.3km s-min=15.6km az=45.0.
PDG Event type ke. Error ellipse: s-maj=0.7km s-min=1.4km az=0.0.
ATH Event type ke. Error ellipse: s-maj=1.5km s-min=0.8km az=249.0. ML Amplitudes are expressed in micrometers.
BEO Event type ke.
ATH VI 27 04 13 23.4 38.46N 23.49E 13–3 1.4L
¶617481154
ATH Event type ke. Manual Solution by G.Panopoulou ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
ATH VI 27 04 13 24.1 38.01N 21.87E 12–2 1.6L
¶616764703
ATH Event type ke. Error ellipse: s-maj=2.3km s-min=0.8km az=221.0. ML Amplitudes are expressed in micrometers.

(365) Aegean Sea.

ISC I 06 00 23 34.8–1.1 39.37N–.02 25.56E–.03 12–8 51 0-3
ISK I 06 00 23 34.6 39.42N 25.61E 9–0 2.7L **¶610678824**
ATH I 06 00 23 34.7 39.35N 25.50E 10–5 2.7L
DDA I 06 00 23 34.7–.00 39.36N 25.58E 8–1 2.5L
THE I 06 00 23 34.8 39.36N 25.50E 1–2 2.4L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=7.3km s-min=1.5km az=75.0.
THE Event type ke. Error ellipse: s-maj=2.9km s-min=1.0km az=311.0.
ISC I 08 13 44 59.7–1.2 38.55N–.03 25.28E–.03 17–10 38 0-2
ISK I 08 13 44 58.2 38.54N 25.21E 7–0 2.5L **¶610678856**
ATH I 08 13 44 59.6 38.57N 25.24E 10–5 2.5L
THE I 08 13 44 59.7 38.57N 25.26E 10–2 2.1L
DDA I 08 13 45 00.4–.00 38.62N 25.37E 7–4 2.1L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=5.4km s-min=1.5km az=143.0.
THE Event type ke. Error ellipse: s-maj=2.8km s-min=0.7km az=35.0.
ISC I 11 03 46 13.1–1.3 38.65N–.03 25.92E–.06 13–10 26 0-3
DDA I 11 03 46 12.6–.00 38.63N 25.88E 7–5 2.2L **¶610912678**
ISK I 11 03 46 12.9 38.68N 26.06E 11–0 2.7L
ISC Event type ke.
ISK Event type ke.
SOF I 16 19 16 38.5 39.78N 26.00E 5 3.1
¶615380613
ISC I 16 23 43 53.1–1.0 38.99N–.02 26.06E–.03 9–9 44 0-2
ISK I 16 23 43 51.6 39.00N 26.04E 5–0 2.5L **¶610679033**
DDA I 16 23 43 52.8–.00 39.01N 26.07E 7–4 1.9L
THE I 16 23 43 52.9 39.00N 26.09E 2–1 2.2L
ATH I 16 23 43 53.5 38.97N 26.04E 10–31 2.0L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.5km az=249.0.
ATH Event type ke. Error ellipse: s-maj=31.6km s-min=1.3km az=0.0.
ISC I 17 19 40 28.7–.96 39.71N–.02 23.81E–.02 11–8 113 0-7
ISK I 17 19 40 28.6 39.72N 23.69E 7–0 3.0L **¶610679042**
BEO I 17 19 40 28.0–1.3 39.62N 24.06E 18–6 2.8L
SOF I 17 19 40 30.0 39.78N 23.90E 20 3.2
ATH I 17 19 40 30.4 39.76N 23.71E 14–1 2.8L
THE I 17 19 40 30.5 39.78N 23.66E 14–0 2.8L
DDA I 17 19 40 31.0–.00 39.74N 23.87E 20 2.9L
ISC Event type ke.
ISK Event type ke.
BEO Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.7km s-min=0.9km az=97.0.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.3km az=114.0.
ISC I 17 20 13 48.8–.83 40.43N–.02 25.92E–.02 16–6 92 0-2
ISK I 17 20 13 48.5 40.42N 25.97E 6–0 2.9L **¶610679044**
ATH I 17 20 13 49.0 40.42N 25.90E 7–1 2.4L
DDA I 17 20 13 48.9–.00 40.42N 25.92E 14–0 2.8L
THE I 17 20 13 49.3 40.44N 25.87E 10–1 2.2L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.1km s-min=1.0km az=32.0.
THE Event type ke. Error ellipse: s-maj=2.0km s-min=0.6km az=305.0.
ISC I 19 16 21 35.2–.88 38.52N–.02 26.36E–.02 16–7 74 0-3
ATH I 19 16 21 34.7 38.54N 26.52E 16–7 3.0L **¶610679074**
ISK I 19 16 21 34.2 38.47N 26.27E 8–0 2.9L
DDA I 19 16 21 35.1–.00 38.52N 26.37E 7–2 2.7L
THE I 19 16 21 37.3 38.51N 26.18E 38–16 2.8L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=7.4km s-min=1.8km az=55.0.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=16.2km s-min=1.3km az=314.0.
ISC I 21 22 56 46.5–.91 39.00N–.02 26.06E–.02 14–7 143 0-9
DDA I 21 22 56 45.4–.00 38.97N 25.98E 33–2 3.4W **¶610679114**
THE I 21 22 56 46.3 39.02N 26.04E 3–31 3.2L
ATH I 21 22 56 46.7 39.01N 26.08E 12–2 3.1L
ISK I 21 22 56 46.0 39.02N 26.07E 11–0 3.3L
BEO I 21 22 56 49.7–.80 39.19N 25.91E 0 2.5L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=31.6km s-min=1.0km az=0.0.
ATH Event type ke. Error ellipse: s-maj=4.8km s-min=1.4km az=276.0.
ISK Event type ke.
BEO Event type ke.
DDA I 24 16 26 55.7–.00 40.93N 25.67E 1–1 1.7L
¶616063585
ISC I 26 03 03 33.3–.97 38.57N–.03 25.38E–.03 14–7 39 0-2
ISK I 26 03 03 31.8 38.57N 25.33E 9–0 2.5L **¶610679185**
DDA I 26 03 03 33.3–.00 38.58N 25.40E 7–3 1.9L
ATH I 26 03 03 34.0 38.61N 25.44E 16–3 2.2L
THE I 26 03 03 34.9 38.63N 25.48E 10–3 1.9L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=4.0km s-min=1.0km az=98.0.
THE Event type ke. Error ellipse: s-maj=5.4km s-min=1.6km az=252.0.
ISC I 26 14 34 54.6–1.0 38.52N–.02 25.35E–.02 6–8 3.7b,3.5s 173 0-80
DDA I 26 14 34 51.8–.00 38.56N 25.23E 2–3 4.0W,3.5s **¶610130716**
IDC I 26 14 34 54.0–.91 38.51N 25.45E 0 3.8L,3.7
ATH I 26 14 34 54.0 38.54N 25.42E 18–1 3.8L,3.7
THE I 26 14 34 54.8 38.58N 25.36E 5–2 3.8L,3.7
ISK I 26 14 34 55.9 38.62N 25.36E 14–0 4.0L,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=17.4km s-min=15.9km az=119.0.
ATH Event type ke. Error ellipse: s-maj=2.2km s-min=1.0km az=94.0.
THE Event type ke. Error ellipse: s-maj=2.2km s-min=0.5km az=100.0.
ISK Event type ke.
ISC I 26 14 53 03.1–.88 38.57N–.02 25.36E–.02 17–6 66 0-2
ISK I 26 14 53 02.4 38.58N 25.33E 19–0 2.9L **¶610679191**
ATH I 26 14 53 03.9 38.58N 25.39E 16–2 2.7L
THE I 26 14 53 04.8 38.58N 25.43E 29–4 2.7L
DDA I 26 14 53 05.2–.00 38.62N 25.49E 5–2 2.5L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.5km s-min=0.9km az=81.0.
THE Event type ke. Error ellipse: s-maj=5.6km s-min=0.8km az=137.0.
ISC I 26 17 52 31.9–1.1 38.59N–.03 25.42E–.03 18–4 32 0-2
ATH I 26 17 52 32.5 38.58N 25.42E 17–2 2.5L **¶610679193**
DDA I 26 17 52 32.8–.00 38.61N 25.52E 7–4 2.1L
THE I 26 17 52 33.1 38.60N 25.49E 21–8 2.3L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.9km s-min=0.9km az=113.0.
THE Event type ke. Error ellipse: s-maj=8.7km s-min=0.7km az=92.0.
ISC I 26 19 52 12.6–.97 38.60N–.03 25.34E–.03 16–7 50 0-3
ISK I 26 19 52 10.3 38.57N 25.19E 10–0 2.8L **¶610679198**
ATH I 26 19 52 13.0 38.61N 25.33E 12–4 2.6L
THE I 26 19 52 12.7 38.61N 25.38E 9–2 2.4L
DDA I 26 19 52 13.7–.00 38.64N 25.52E 7–5 2.3L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=5.8km s-min=0.9km az=88.0.
THE Event type ke. Error ellipse: s-maj=2.6km s-min=0.8km az=28.0.
ISC I 26 20 19 19.7–1.0 38.60N–.03 25.34E–.03 17–8 46 0-2
ATH I 26 20 19 20.0 38.61N 25.34E 16–2 2.4L **¶610679199**
THE I 26 20 19 19.5 38.60N 25.32E 3–1 2.4L
ISK I 26 20 19 19.1 38.60N 25.36E 15–0 2.7L
DDA I 26 20 19 21.6–.00 38.63N 25.56E 7–3 2.1L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.8km s-min=1.1km az=125.0.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.5km az=4.0.
ISK Event type ke.
ISC I 26 21 43 11.2–.91 38.60N–.03 25.36E–.03 17–7 54 0-2
ISK I 26 21 43 08.6 38.57N 25.17E 9–0 3.0L **¶610679203**
ATH I 26 21 43 11.6 38.60N 25.38E 18–1 2.8L
THE I 26 21 43 11.2 38.62N 25.36E 10–2 2.8L
DDA I 26 21 43 14.2–.00 38.67N 25.59E 5–3 2.6L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.0km s-min=1.1km az=133.0.
THE Event type ke. Error ellipse: s-maj=2.2km s-min=0.5km az=47.0.
ISC I 27 01 41 07.4–1.0 38.61N–.02 25.36E–.02 17–9 57 0-2
ISK I 27 01 41 08.8 38.62N 25.37E 15–0 2.7L **¶610679204**
ATH I 27 01 41 09.2 38.61N 25.34E 16–2 2.4L
THE I 27 01 41 09.8 38.60N 25.37E 31–29 2.5L
DDA I 27 01 41 11.0–.00 38.68N 25.56E 7–4 2.4L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.4km s-min=0.9km az=48.0.
THE Event type ke. Error ellipse: s-maj=29.7km s-min=0.9km az=87.0.
ISC I 27 02 45 59.9–1.0 38.59N–.03 25.34E–.02 18–3 42 0-2
ISK I 27 02 45 59.6 38.60N 25.33E 6–0 2.7L **¶610679205**
ATH I 27 02 46 00.5 38.60N 25.35E 15–3 2.4L
THE I 27 02 46 00.7 38.60N 25.38E 25–5 2.2L
DDA I 27 02 46 01.9–.00 38.62N 25.47E 7–6 2.0L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.9km s-min=1.0km az=94.0.
THE Event type ke. Error ellipse: s-maj=5.5km s-min=0.9km az=67.0.
ISC I 27 10 41 16.9–1.1 38.74N–.03 25.20E–.03 14–10 36 1-2
ISK I 27 10 41 16.2 38.72N 25.20E 13–0 2.6L **¶610913403**
DDA I 27 10 41 17.2–.00 38.79N 25.24E 6–3 2.1L
THE I 27 10 41 18.4 38.75N 25.24E 32–35 2.3L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=35.0km s-min=1.1km az=113.0.
ISC I 28 02 21 38.0–.92 38.57N–.02 25.37E–.02 17–7 117 0-3
DDA I 28 02 21 36.6–.00 38.58N 25.32E 26–2 2.7L **¶610679237**
THE I 28 02 21 37.6 38.59N 25.34E 4–1 2.8L
ATH I 28 02 21 38.0 38.59N 25.33E 10–2 2.6L
ISK I 28 02 21 37.1 38.56N 25.36E 11–0 2.6L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.6km az=18.0.
ATH Event type ke. Error ellipse: s-maj=2.7km s-min=0.8km az=53.0.
ISK Event type ke.
ISC I 30 06 10 56.1–.99 39.47N–.02 25.91E–.03 8–8 67 0-2
ISK I 30 06 10 54.8 39.48N 25.92E 5–0 2.5L **¶610679303**
DDA I 30 06 10 55.5–.00 39.45N 25.87E 6–5 2.3L
THE I 30 06 10 56.4 39.46N 25.93E 3–1 2.3L
ATH I 30 06 10 56.6 39.46N 25.87E 9–2 2.5L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.4km az=118.0.
ATH Event type ke. Error ellipse: s-maj=3.7km s-min=0.7km az=266.0.
ISC I 30 07 49 57.5–1.0 38.38N–.04 25.35E–.03 27–10 24 0-1
ATH I 30 07 49 58.1 38.40N 25.32E 26–2 2.5L **¶610679304**
THE I 30 07 49 59.2 38.37N 25.36E 28–3 2.1L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.8km s-min=1.1km az=94.0.
THE Event type ke. Error ellipse: s-maj=3.2km s-min=0.9km az=102.0.
DDA II 03 16 08 06.9–.00 38.64N 26.57E 7–2 1.7L
ISK II 03 16 08 06.0 38.55N 26.69E 30–0 1.8L **¶610913882**
ISK Event type ke.

ISC II 05 13 17 03.4–.85 38.27N–.02 26.57E–.03 15–5 50 0-2
ISK II 05 13 17 02.7 38.27N 26.56E 12–0 2.6L ¶610914030
DDA II 05 13 17 03.6–.00 38.27N 26.61E 11–0 2.5L
ISC Event type ke.
ISK Event type ke.
ISC II 09 14 05 22.5–1.3 39.55N–.03 25.88E–.04 6–9 43 0-2
DDA II 09 14 05 20.8–.00 39.50N 25.80E 6–3 2.4L **¶610915566**
ISK II 09 14 05 21.5 39.57N 25.97E 5–0 2.7L
ISC Event type ke.
ISK Event type ke.
DDA II 10 16 13 37.5–.00 38.23N 26.54E 7–0 1.5L
¶616228551
ISC II 10 21 17 46.1–1.1 38.72N–.02 26.53E–.04 11–10 35 0-2
DDA II 10 21 17 45.5–.00 38.72N 26.48E 7–4 2.1L **¶610915932**
ISK II 10 21 17 45.9 38.72N 26.54E 9–0 2.7L
ISC Event type ke.
ISK Event type ke.
ISC II 11 11 46 34.7–.84 38.26N–.02 26.71E–.02 14–6 88 0-3
ISK II 11 11 46 34.8 38.24N 26.72E 5–0 3.2L **¶610679643**
ATH II 11 11 46 34.9 38.27N 26.82E 16–3 3.2L
THE II 11 11 46 34.8 38.26N 26.70E 2–3 3.2L
DDA II 11 11 46 35.4–.00 38.26N 26.69E 10–0 3.3L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=5.4km s-min=1.0km az=80.0.
THE Event type ke. Error ellipse: s-maj=3.0km s-min=0.9km az=244.0.
ISC II 13 03 23 53.9–.95 39.53N–.01 25.98E–.02 8–7 102 0-4
ATH II 13 03 23 55.0 39.54N 26.05E 9–1 2.9L **¶610679707**
ISK II 13 03 23 54.3 39.54N 26.07E 5–0 2.9L
THE II 13 03 23 54.7 39.54N 26.08E 10–1 2.7L
DDA II 13 03 23 55.5–.00 39.54N 26.09E 10–2 2.6L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.9km s-min=0.8km az=82.0.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.4km az=84.0.
ISC II 15 09 01 41.5–1.0 39.90N–.02 23.48E–.02 11–9 102 1-7
ATH II 15 09 01 41.8 39.89N 23.49E 8–1 2.7L **¶610679791**
SOF II 15 09 01 41.4 39.90N 23.55E 20 3.2
ISK II 15 09 01 41.4 39.91N 23.53E 19–0 2.9L
THE II 15 09 01 42.0 39.92N 23.48E 7–1 2.8L
BEO II 15 09 01 43.7–1.0 39.98N 23.38E 11–5 2.7L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.9km s-min=0.9km az=144.0.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.6km az=175.0.
BEO Event type ke.
ISC II 17 09 14 14.7–.94 38.97N–.02 26.59E–.02 14–8 72 0-2
THE II 17 09 14 14.4 38.97N 26.60E 6–1 2.2L **¶610679867**
DDA II 17 09 14 14.2–.00 38.94N 26.56E 7–2 2.4L
ISK II 17 09 14 14.1 38.96N 26.58E 14–0 2.5L
ATH II 17 09 14 15.8 38.98N 26.57E 10–31 2.2L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.6km az=257.0.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=31.6km s-min=1.2km az=0.0.
ISC II 23 03 06 38.1–1.1 40.07N–.02 24.77E–.02 10–8 170 0-41
DDA II 23 03 06 33.5–.00 40.09N 24.50E 7–1 3.7W **¶610384843**
IDC II 23 03 06 37.4–1.7 40.05N 24.88E 0 3.5L,3.3b
ISK II 23 03 06 38.0 40.10N 24.79E 16–0 3.4L,3.3b
THE II 23 03 06 38.7 40.08N 24.76E 13–0 3.3L,3.3b
ATH II 23 03 06 38.6 40.05N 24.78E 12–1 3.3L,3.3b
SOF II 23 03 06 38.2 40.25N 24.73E 2 3.5,3.3b
ISC Event type ke.
IDC Error ellipse: s-maj=27.5km s-min=22.3km az=164.0.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=0.9km s-min=0.5km az=339.0.
ATH Event type ke. Error ellipse: s-maj=1.8km s-min=0.8km az=58.0.
ISC II 24 21 21 50.8–.84 40.37N–.02 25.89E–.02 15–6 77 0-3
ISK II 24 21 21 50.4 40.37N 25.92E 8–0 2.8L **¶610918096**
ATH II 24 21 21 51.5 40.39N 25.85E 14–2 2.5L
DDA II 24 21 21 51.7–.00 40.29N 26.05E 4–2 2.6L
SOF II 24 21 21 52.0 40.44N 25.80E 24 2.8
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.1km s-min=1.0km az=303.0.
ISC II 25 01 44 03.2–1.1 39.38N–.02 23.98E–.03 14–9 53 0-2
ATH II 25 01 44 04.3 39.40N 23.93E 13–1 2.5L **¶610680087**
THE II 25 01 44 04.5 39.39N 23.96E 14–0 2.4L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.9km s-min=1.2km az=221.0.
THE Event type ke. Error ellipse: s-maj=0.9km s-min=0.5km az=258.0.
ISC II 26 17 24 36.3–.92 40.13N–.02 24.06E–.02 14–7 142 0-8
DDA II 26 17 24 35.0–.00 40.04N 24.04E 32–8 3.0L **¶610680124**
SOF II 26 17 24 35.0 40.18N 24.15E 5 3.5
THE II 26 17 24 36.7 40.14N 24.05E 12–0 3.4L
ATH II 26 17 24 36.8 40.13N 24.05E 10–1 3.1L
ISK II 26 17 24 36.0 40.15N 24.05E 15–0 3.2L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=0.9km s-min=0.3km az=30.0.
ATH Event type ke. Error ellipse: s-maj=1.8km s-min=1.0km az=323.0.
ISK Event type ke.
ISC II 26 20 23 03.7–.90 39.57N–.02 23.23E–.02 9–6 3.6b,3.5s 298 0-120
SOF II 26 20 23 01.9 39.43N 22.87E 22 4.2,3.5s **¶610274464**
DDA II 26 20 23 02.6–.00 39.57N 23.28E 8–1 3.8W,3.5s
IDC II 26 20 23 02.4–.72 39.56N 23.19E 0 3.7,3.7b
PDG II 26 20 23 03.9–.60 39.57N 23.24E 13–1 3.6L,3.7b
ATH II 26 20 23 03.6 39.58N 23.27E 5–1 3.6L,3.7b
ISK II 26 20 23 03.2 39.59N 23.22E 8–0 3.8L,3.7b
THE II 26 20 23 03.8 39.56N 23.22E 11–1 3.6L,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=16.3km s-min=12.2km az=150.0.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=0.7km az=0.0.
ATH Event type ke. Error ellipse: s-maj=1.3km s-min=0.6km az=270.0.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.5km az=223.0.
ISC II 28 12 47 36.3–.71 39.60N–.01 23.26E–.01 3–4 4.5b,3.8s 700 0-120
TIR II 28 12 47 21.4 39.64N 24.80E 0–61 5.2L,3.8s **¶610241896**
MOS II 28 12 47 35.6–1.1 39.58N 23.30E 11 4.5b,3.8s
ISK II 28 12 47 35.9 39.61N 23.29E 10–0 4.4L,3.8s
IDC II 28 12 47 35.8–.51 39.57N 23.21E 0 4.2b,4.1
DDA II 28 12 47 35.0–.00 39.57N 23.34E 10–12 4.4W,4.1
THE II 28 12 47 36.9 39.59N 23.27E 4–0 4.2L,4.1
MED_R II 28 12 47 36.0–.30 39.59N 23.27E 10 4.5W,4.1
SOF II 28 12 47 36.3 39.38N 23.26E 49 4.8,4.1
PDG II 28 12 47 36.8–.72 39.60N 23.28E 10–1 4.4L,4.1
NEIC II 28 12 47 37.6–1.9 39.64N–.05 23.26E–.04 10–1 4.6b,4.4
ATH II 28 12 47 37.5 39.58N 23.27E 6–1 4.2L,4.4
ISC Event type ke. Moment Tensor Solution. NP1:ϕ_s167.78532°,δ10.38810°,λ3.23066°. NP2: ϕ_s74.60751°,δ89.41776°,λ100.37195°. Principal axes: T Plg44.6442°,Azm354.9149° ; N Plg10.3714°,Azm254.5009°; P Plg43.4981°,Azm154.4998° Moment Tensor Solution. NP1:ϕ_s146.30115°,δ75.96121°,λ70.55679°. NP2:ϕ_s21.80486°,δ23.82168°,λ143.08682°. Principal axes: T Plg54.9245°,Azm32.1217°; N Plg18.8402°,Azm151.1955°; P Plg28.3813° ,Azm251.8186°
MOS Error ellipse: s-maj=5.1km s-min=3.4km az=87.7.
ISK Event type ke.
IDC Error ellipse: s-maj=9.8km s-min=8.8km az=95.0.
THE Event type ke. Error ellipse: s-maj=0.6km s-min=0.3km az=296.0.
MED_R nsta1 refers to body waves. nsta2 refers to surface waves, cutoff=35s. Moment Tensor Solution. Mantle waves: s12,c14;Duration: 1s0 Moment tensor: Scale 10^{15}Nm; M_{rr}-3.20±.38 $M_{\theta\theta}$6.17±.24; $M_{\phi\phi}$-2.97±.34; $M_{r\theta}$5.13±.70; $M_{\theta\phi}$-1.78±.38; $M_{\phi r}$1.86±.84; Best double couple: NP1:ϕ_s251.00000°,δ75.00000°,λ-122.00000°. NP2:ϕ_s138.00000°,δ35.00000°,λ-28.00000°. Principal axes: T 8.5000,Plg23.0000°,Azm5.0000°; N -1.5500,Plg31.0000°,Azm260.0000° ; P -6.9500,Plg50.0000°,Azm125.0000° $M_0$7.73000×10^{15}
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=0.8km az=0.0.
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=5.7km az=173.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}3.54 $M_{\theta\theta}$1.31 $M_{\phi\phi}$-4.85 $M_{r\theta}$1.62 $M_{\theta\phi}$0.55 $M_{\phi r}$-0.48 NP1:ϕ_s150.58000°,δ55.04000°,λ56.11000°. NP2:ϕ_s20.11000°,δ47.13000° ,λ128.57000°. Principal axes: T 4.3947,Plg62.0000°,Azm2.0000°; N 0.5544,Plg27.0000° ,Azm172.0000°; P -4.9491,Plg4.0000°,Azm264.0000° $M_0$4.70000×10^{15}
ATH Event type ke. Error ellipse: s-maj=1.5km s-min=0.7km az=264.0.
ISC III 01 00 14 21.2–.97 39.49N–.02 25.99E–.03 10–7 65 0-2
ISK III 01 00 14 21.7 39.49N 26.10E 10–0 2.5L **¶610918527**
DDA III 01 00 14 22.7–.00 39.51N 26.11E 7–1 2.1L
THE III 01 00 14 22.3 39.49N 26.06E 8–1 2.3L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.6km az=190.0.
ISC III 02 04 23 32.2–1.1 38.25N–.02 25.53E–.02 14–9 72 0-3
THE III 02 04 23 32.6 38.23N 25.54E 9–2 2.5L **¶610680244**
ISK III 02 04 23 32.1 38.28N 25.51E 14–0 2.8L
DDA III 02 04 23 33.5–.00 38.27N 25.65E 9–3 2.7L
ATH III 02 04 23 33.0 38.25N 25.57E 21–2 2.6L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=2.3km s-min=1.0km az=35.0.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.4km s-min=1.0km az=99.0.
ISC III 03 09 53 11.7–.94 38.85N–.02 26.43E–.03 15–8 54 0-3
DDA III 03 09 53 11.4–.00 38.85N 26.41E 7–2 2.8L **¶610680288**
ATH III 03 09 53 12.8 38.85N 26.40E 13–1 2.9L
THE III 03 09 53 12.1 38.83N 26.42E 10–2 2.9L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.5km s-min=0.9km az=273.0.
THE Event type ke. Error ellipse: s-maj=2.2km s-min=0.8km az=202.0.
ISC III 04 13 13 32.0–.80 39.36N–.02 25.98E–.02 13–5 78 0-2
ISK III 04 13 13 31.7 39.36N 25.99E 8–0 2.5L **¶610680312**
ATH III 04 13 13 32.4 39.34N 25.98E 13–1 2.3L
DDA III 04 13 13 32.3–.00 39.36N 26.02E 12–1 2.4L
THE III 04 13 13 32.2 39.37N 25.98E 2–2 2.3L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.7km s-min=0.8km az=196.0.
THE Event type ke. Error ellipse: s-maj=2.1km s-min=0.5km az=185.0.
ATH III 05 05 14 03.8 39.56N 23.23E 6–2 1.5L
¶616198312
ATH Event type ke. Error ellipse: s-maj=2.9km s-min=0.9km az=156.0.
ISC III 18 22 52 15.9–1.1 39.88N–.02 23.50E–.02 9–10 162 1-8
SOF III 18 22 52 08.3 39.46N 23.41E 2 3.5 **¶610680600**
BEO III 18 22 52 15.3–1.6 39.81N 23.55E 11–8 2.8L
ISK III 18 22 52 15.9 39.89N 23.51E 17–0 3.0L
THE III 18 22 52 16.7 39.92N 23.50E 9–1 2.9L
ATH III 18 22 52 16.8 39.90N 23.49E 11–1 2.8L
ISC Event type ke.
BEO Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.6km az=114.0.
ATH Event type ke. Error ellipse: s-maj=1.7km s-min=0.7km az=313.0.
DDA III 20 18 16 35.9–.00 38.46N 25.86E 7–2 2.1L
¶612620946
ISC III 23 12 26 44.7–.84 39.54N–.01 25.99E–.02 11–6 86 0-2
ISK III 23 12 26 44.3 39.54N 25.99E 6–0 2.7L **¶610680688**
THE III 23 12 26 44.9 39.55N 26.00E 4–1 2.5L
ATH III 23 12 26 45.2 39.52N 25.99E 12–1 2.5L
DDA III 23 12 26 45.0–.00 39.54N 26.04E 9–1 2.6L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.4km az=130.0.
ATH Event type ke. Error ellipse: s-maj=2.4km s-min=0.8km az=235.0.
ISC III 25 09 50 29.9–.87 38.70N–.02 25.91E–.03 16–7 87 0-2
DDA III 25 09 50 29.5–.00 38.70N 25.94E 3–3 2.6L **¶610680732**
ISK III 25 09 50 29.4 38.71N 25.91E 8–0 2.6L
ATH III 25 09 50 30.0 38.70N 25.92E 23–2 2.8L
THE III 25 09 50 30.0 38.70N 25.92E 9–2 2.5L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.4km s-min=1.3km az=149.0.
THE Event type ke. Error ellipse: s-maj=3.0km s-min=0.5km az=254.0.
ISC III 27 09 34 12.5–.89 38.86N–.02 26.44E–.03 16–7 46 0-2
ISK III 27 09 34 11.9 38.87N 26.44E 14–0 2.7L **¶612621173**
DDA III 27 09 34 12.2–.00 38.86N 26.41E 7–2 2.4L
ISC Event type ke.
ISK Event type ke.
ISC III 28 15 35 00.7–.93 40.16N–.02 24.93E–.02 12–7 230 0-41
IDC III 28 15 34 59.4–2.5 40.18N 24.89E 0 3.5,3.5b **¶610543857**
ISK III 28 15 34 59.9 40.19N 24.96E 10–0 3.6L,3.5b
ATH III 28 15 35 00.9 40.16N 24.95E 14–1 3.4L,3.5b
THE III 28 15 35 00.5 40.16N 24.95E 7–1 3.4L,3.5b
DDA III 28 15 35 01.1–.00 40.16N 25.00E 41–0 3.7W,3.5b
BEO III 28 15 35 02.3–.80 40.23N 24.84E 8–4 3.3L,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=39.6km s-min=16.4km az=73.0.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.6km s-min=0.8km az=85.0.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.5km az=58.0.
BEO Event type ke.
ATH III 29 16 40 46.7 39.15N 23.61E 14–2 1.2L
¶616198863
ATH Event type ke. Error ellipse: s-maj=2.6km s-min=1.0km az=41.0.
ISC III 31 07 27 34.3–.90 38.19N–.03 26.57E–.03 9–6 39 0-2
DDA III 31 07 27 34.1–.00 38.19N 26.57E 7–1 2.5L **¶610921390**
ISK III 31 07 27 34.0 38.19N 26.58E 7–0 2.5L
ISC Event type ke.
ISK Event type ke.
ISC IV 07 04 43 57.7–.67 39.98N–.01 23.65E–.01 7–4 4.3b,3.4s 690 0-95
DDA IV 07 04 43 46.0–.00 40.18N 22.86E 7–3 4.3W,3.4s **¶611918150**
ISK IV 07 04 43 56.8 40.00N 23.72E 8–0 4.2L,3.4s
PDG IV 07 04 43 57.4–1.1 39.96N 23.66E 15–1 3.8L,3.4s
MOS IV 07 04 43 57.3–1.1 40.01N 23.70E 12 4.5b,3.4s
MED_R IV 07 04 43 57.0–.40 39.97N 23.61E 10 4.3W,3.4s
THE IV 07 04 43 58.0 39.98N 23.61E 11–0 4.1L,3.4s
ATH IV 07 04 43 58.2 39.95N 23.68E 10 4.1W,3.4s
NEIC IV 07 04 43 58.6–2.1 40.04N–.04 23.69E–.02 10–1 4.3b,3.4s
BEO IV 07 04 43 59.7–.90 39.96N 23.65E 22–5 3.9L,3.4s
IDC IV 07 04 43 59.7–2.1 39.97N 23.71E 30–16 4.1,4.0b
TIR IV 07 04 44 02.3 40.14N 23.15E 22–2 4.7,4.1L
NAO IV 07 04 44 24.1 42.15N 23.26E 33 4.1b,4.1L
PRU IV 07 04 44 39.5–.00 42.78N 22.07E 0 4.4,4.1L
ISC Event type ke.
ISK Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.7km s-min=1.2km az=0.0.
MOS Error ellipse: s-maj=4.2km s-min=2.7km az=88.5.
MED_R nsta1 refers to body waves. nsta2 refers to surface waves, cutoff=35s. Moment Tensor Solution. Mantle waves: s9,c11;Duration: 1s0 Moment tensor: Scale 10^{15}Nm; M_{rr}-2.39±.16 $M_{\theta\theta}$2.23±.16; $M_{\phi\phi}$0.16±.15; $M_{r\theta}$2.22±.39; $M_{\theta\phi}$-1.20±.14; $M_{\phi r}$-0.72±.42; Best double couple: NP1:ϕ_s290.00000°,δ66.00000°,λ-95.00000°. NP2:ϕ_s121.00000°,δ24.00000°,λ-80.00000°. Principal axes: T 3.6700,Plg21.0000°,Azm23.0000°; N -0.3700,Plg4.0000°,Azm292.0000° ; P -3.3000,Plg69.0000°,Azm191.0000° $M_0$3.48000×10^{15}
THE Event type ke. Error ellipse: s-maj=0.6km s-min=0.3km az=98.0.
ATH Moment Tensor Solution. s12 Moment tensor: M_{rr}-0.78 $M_{\theta\theta}$0.54 $M_{\phi\phi}$0.25 $M_{r\theta}$1.62 $M_{\theta\phi}$-0.67 $M_{\phi r}$-0.63 NP1:ϕ_s152.00000°,δ17.00000°,λ-52.00000°. NP2:ϕ_s292.00000°,δ77.00000° ,λ-101.00000°.

NEIC Event type se. Error ellipse: s-maj=8.2km s-min=2.9km az=201.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BEO Event type ke.
IDC Error ellipse: s-maj=10.6km s-min=9.8km az=166.0.
ISC IV 08 14 37 39.4–1.1 39.40N–.02 23.93E–.02 7–8 3.7b,3.0s 296 0-76
DDA IV 08 14 37 37.0–.00 39.21N 24.05E 7–10 4.1W,3.0s **¶610523718**
ISK IV 08 14 37 37.8 39.40N 23.88E 5–0 4.0L,3.0s
IDC IV 08 14 37 38.5–.81 39.45N 23.81E 0 3.6,3.6b
THE IV 08 14 37 39.8 39.40N 23.97E 9–0 4.0L,3.6b
ATH IV 08 14 37 40.0 39.41N 23.96E 12 4.1W,3.6b
NAO IV 08 14 38 06.6 41.80N 24.13E 33 3.6b,3.6b
ISC Event type ke.
ISK Event type ke.
IDC Error ellipse: s-maj=13.7km s-min=12.0km az=129.0.
THE Event type ke. Error ellipse: s-maj=0.8km s-min=0.4km az=310.0.
ATH Moment Tensor Solution. s9 Moment tensor: Mrr0.16 Mθθ1.38 Mϕϕ-1.54 Mrθ-0.17 Mθϕ-0.26 Mϕr-0.15 NP1:ϕs320.00000°,δ81.00000°,λ1.00000°. NP2:ϕs230.00000°,δ89.00000° ,λ171.00000°.
ATH IV 15 21 29 55.5 39.52N 23.46E 11–3 1.8L
¶616199492
ATH Event type ke. Error ellipse: s-maj=3.2km s-min=0.9km az=276.0.
ISC IV 18 14 25 12.5–.87 38.81N–.02 26.42E–.02 13–7 75 0-2
DDA IV 18 14 25 12.1–.00 38.81N 26.38E 8–2 2.3L **¶610922695**
ISK IV 18 14 25 12.4 38.81N 26.44E 11–0 2.5L
THE IV 18 14 25 12.2 38.82N 26.44E 2–2 1.9L
ATH IV 18 14 25 12.5 38.81N 26.49E 8–4 2.1L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=2.3km s-min=0.4km az=113.0.
ATH Event type ke. Error ellipse: s-maj=5.8km s-min=1.2km az=268.0.
ISC IV 21 15 23 22.1–.98 39.39N–.01 23.83E–.02 10–7 3.6b 185 0-43
BEO IV 21 15 23 07.2–1.1 38.30N 24.09E 0 3.4L **¶610653206**
ISK IV 21 15 23 20.3 39.30N 23.85E 11–0 3.5L
IDC IV 21 15 23 22.1–1.2 39.50N 23.76E 0 3.7b,3.6
THE IV 21 15 23 22.3 39.36N 23.83E 8–0 3.5L,3.6
ATH IV 21 15 23 22.2 39.39N 23.83E 9–1 3.6L,3.6
DDA IV 21 15 23 27.0–.00 39.38N 24.02E 25–32 3.3L,3.6
ISC Event type ke.
BEO Event type ke.
ISK Event type ke.
IDC Error ellipse: s-maj=53.0km s-min=20.2km az=153.0.
THE Event type ke. Error ellipse: s-maj=0.9km s-min=0.5km az=275.0.
ATH Event type ke. Error ellipse: s-maj=1.5km s-min=0.8km az=219.0.
ISC IV 23 05 59 10.7–.89 39.37N–.01 23.81E–.01 13–6 3.4b 280 0-73
NAO IV 23 05 59 05.9 38.73N 26.75E 33 3.5b **¶610598435**
DDA IV 23 05 59 07.4–.00 39.54N 23.72E 8–1 3.6L
IDC IV 23 05 59 08.8–1.1 39.40N 23.71E 0 3.6L,3.4
SOF IV 23 05 59 10.1 39.43N 23.85E 14 4.0,3.4
ISK IV 23 05 59 10.9 39.42N 23.72E 14–0 3.7L,3.4
THE IV 23 05 59 11.3 39.35N 23.80E 11–0 3.7L,3.4
BEO IV 23 05 59 11.0–1.1 39.46N 23.97E 0 3.5L,3.4
ATH IV 23 05 59 11.0 39.37N 23.80E 10–1 3.7L,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=20.8km s-min=17.3km az=109.0.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=0.9km s-min=0.5km az=202.0.
BEO Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.1km s-min=0.6km az=196.0.
THE IV 28 17 42 02.1 39.93N 23.80E 14–0 1.7L
ATH IV 28 17 42 02.5 39.93N 23.80E 12–1 1.7L **¶617153894**
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.6km az=129.0.
ATH Event type ke. Error ellipse: s-maj=2.2km s-min=1.0km az=305.0.
ATH IV 29 01 18 33.3 39.31N 25.93E 15–2 1.7L
¶617153895
ATH Event type ke. Error ellipse: s-maj=2.9km s-min=1.4km az=164.0.
ISC V 04 04 17 31.6–.90 39.31N–.02 25.86E–.02 16–3 212 0-8
ISK V 04 04 17 30.9 39.33N 25.90E 13–0 3.5L **¶611015932**
THE V 04 04 17 31.3 39.32N 25.86E 12–0 3.4L
ATH V 04 04 17 31.3 39.29N 25.85E 16–1 3.3L
DDA V 04 04 17 31.1–.00 39.32N 25.90E 18–1 3.5W
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=0.9km s-min=0.4km az=133.0.
ATH Event type ke. Error ellipse: s-maj=1.6km s-min=0.7km az=115.0. ML Amplitudes are expressed in micrometers.
ISC V 04 10 23 36.8–.88 39.31N–.02 25.86E–.02 18–3 127 0-7
BEO V 04 10 23 33.3–1.5 38.61N 25.11E 0 3.2L **¶611015939**
DDA V 04 10 23 36.9–.00 39.30N 25.87E 7–3 3.4L
ISK V 04 10 23 36.9 39.34N 25.84E 8–0 3.6L
THE V 04 10 23 37.3 39.31N 25.86E 14–0 3.4L
SOF V 04 10 23 39.8 39.42N 26.05E 49 3.0
ISC Event type ke.
BEO Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=0.9km s-min=0.6km az=87.0.
ISC V 05 01 16 21.4–.74 39.31N–.02 25.86E–.02 17–3 147 0-8
SOF V 05 01 16 19.7 39.30N 25.79E 10 3.0 **¶611015954**
DDA V 05 01 16 21.6–.00 39.31N 25.87E 18–1 3.0L
THE V 05 01 16 21.2 39.36N 25.86E 1–31 2.7L
ISK V 05 01 16 21.2 39.32N 25.88E 15–0 3.1L
ATH V 05 01 16 22.0 39.31N 25.87E 16–1 2.8L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=31.6km s-min=0.5km az=0.0.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.1km s-min=0.9km az=104.0. ML Amplitudes are expressed in micrometers.
ISC V 05 22 59 34.7–1.0 39.30N–.02 25.84E–.03 15–7 72 0-2
ISK V 05 22 59 33.9 39.29N 25.83E 6–0 2.5L **¶611015974**
THE V 05 22 59 35.5 39.33N 25.87E 12–1 2.1L
DDA V 05 22 59 35.1–.00 39.31N 25.88E 7–2 2.5L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.8km az=152.0.
ISC V 06 14 33 34.0–.86 39.07N–.02 23.22E–.02 13–7 86 0-3
ATH V 06 14 33 34.5 39.07N 23.21E 8–1 3.0L **¶611015982**
THE V 06 14 33 34.0 39.07N 23.22E 12–0 2.9L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.6km s-min=0.7km az=292.0. ML Amplitudes are expressed in micrometers.
THE Event type ke. Error ellipse: s-maj=0.6km s-min=0.4km az=289.0.
ISC V 06 14 57 42.2–.89 39.07N–.01 23.24E–.02 10–7 3.6b 197 0-60
IDC V 06 14 57 41.8–1.4 38.70N 23.35E 0 3.6s,3.6b **¶610689671**
ISK V 06 14 57 41.4 39.12N 23.27E 9–0 3.3L,3.6b
ATH V 06 14 57 42.5 39.08N 23.24E 9–1 3.4L,3.6b
THE V 06 14 57 42.0 39.07N 23.23E 12–0 3.6L,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=58.2km s-min=22.7km az=156.0.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.0km s-min=0.5km az=330.0. ML Amplitudes are expressed in micrometers.
THE Event type ke. Error ellipse: s-maj=0.5km s-min=0.3km az=36.0.
ISC V 07 19 56 30.8–.94 39.90N–.03 23.79E–.03 13–6 44 0-2
THE V 07 19 56 30.9 39.90N 23.80E 11–0 2.4L **¶611015994**
ISK V 07 19 56 30.4 39.87N 23.83E 10–0 2.5L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.4km az=286.0.
ISK Event type ke.
ISC V 08 00 53 02.9–1.1 40.19N–.02 25.21E–.02 12–9 233 0-8
SOF V 08 00 53 01.7 40.22N 25.27E 10 3.5 **¶611015999**
ATH V 08 00 53 02.8 40.20N 25.21E 28–1 3.3L
ISK V 08 00 53 02.8 40.22N 25.19E 10–0 3.6L
THE V 08 00 53 03.9 40.22N 25.24E 13–1 3.5L
DDA V 08 00 53 06.4–.00 40.22N 25.36E 26–1 3.5W
BEO V 08 00 53 06.3–1.4 40.27N 25.14E 25–8 3.4L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.5km s-min=0.8km az=46.0. ML Amplitudes are expressed in micrometers.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.7km az=38.0.
BEO Event type ke.
ISC V 12 09 04 60.0–.96 38.46N–.02 25.68E–.02 13–7 72 0-2
DDA V 12 09 04 58.0–.00 38.47N 25.56E 8–8 2.5L **¶611016100**
ISK V 12 09 04 58.2 38.45N 25.58E 4–0 2.6L
ATH V 12 09 05 00.7 38.52N 25.69E 6–2 2.5L
THE V 12 09 05 01.0 38.52N 25.75E 14–1 2.5L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Manual Solution by M.Kolligri ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 2 km.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.6km az=81.0.
ISC V 13 11 17 56.9–.94 38.96N–.02 26.09E–.03 14–8 56 0-2
THE V 13 11 17 57.3 38.97N 26.03E 21–5 2.2L **¶611016126**
ISK V 13 11 17 57.4 38.99N 26.06E 6–0 2.5L
DDA V 13 11 17 57.0–.00 38.95N 26.10E 16–5 2.3L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=6.1km s-min=1.1km az=322.0.
ISK Event type ke.
ISC V 15 00 30 28.2–.80 38.39N–.02 26.58E–.03 16–4 50 0-2
ISK V 15 00 30 28.5 38.45N 26.63E 6–0 2.2L **¶611016150**
DDA V 15 00 30 28.3–.00 38.39N 26.58E 13–0 2.1L
THE V 15 00 30 29.4 38.33N 26.48E 28–3 2.4L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=5.2km s-min=0.9km az=246.0.
ISC V 16 00 38 40.1–.98 39.38N–.02 23.80E–.02 13–9 71 0-2
ATH V 16 00 38 40.1 39.40N 23.79E 16–1 2.5L **¶611016175**
THE V 16 00 38 40.2 39.37N 23.81E 10–0 2.4L
DDA V 16 00 38 46.7–.00 40.20N 27.91E 7–6 2.2L
ISC Event type ke.
ATH Event type ke. Manual Solution by S.Koutrakis First location: 2019/10/15 07:50:35, ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
THE Event type ke. Error ellipse: s-maj=0.9km s-min=0.6km az=288.0.
ISC V 30 17 27 57.1–.81 38.19N–.02 26.60E–.02 15–5 66 0-2
ATH V 30 17 27 56.4 38.21N 26.66E 29–7 2.7L **¶611016617**
DDA V 30 17 27 57.1–.00 38.20N 26.61E 13–0 2.7L
ISK V 30 17 27 57.2 38.19N 26.58E 7–0 2.5L
THE V 30 17 27 57.6 38.18N 26.59E 16–1 2.6L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=10.9km s-min=1.1km az=224.0. ML Amplitudes are expressed in micrometers.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=2.4km s-min=0.5km az=230.0.
DDA V 30 17 41 37.8–.00 38.18N 26.60E 14–1 2.0L
ISK V 30 17 41 37.8 38.19N 26.65E 12–0 2.1L **¶612624179**
ISK Event type ke.
ISC VI 02 00 33 32.2–1.1 39.04N–.02 24.34E–.03 20–4 60 0-4
ISK VI 02 00 33 30.9 39.05N 24.11E 5–1 2.6L **¶611016664**
DDA VI 02 00 33 33.0–.00 38.69N 24.21E 25–38 2.3L
THE VI 02 00 33 33.4 39.04N 24.24E 17–1 2.7L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.6km az=201.0.
ISC VI 04 00 07 21.4–.89 38.14N–.02 24.08E–.02 14–7 95 0-9
DDA VI 04 00 07 17.5–.00 37.23N 24.40E 4–2 3.4W **¶611016711**
ATH VI 04 00 07 21.1 38.15N 24.08E 20–2 3.4L
THE VI 04 00 07 22.0 38.15N 24.04E 13–0 3.6L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.7km s-min=1.2km az=220.0. ML Amplitudes are expressed in micrometers.
THE Event type ke. Error ellipse: s-maj=0.8km s-min=0.5km az=292.0.
ISC VI 04 17 04 54.1–.88 38.33N–.02 26.57E–.02 18–5 106 0-5
ISK VI 04 17 04 53.7 38.36N 26.61E 10–0 3.5L **¶611016727**
ATH VI 04 17 04 53.7 38.33N 26.56E 32–1 3.4L
DDA VI 04 17 04 54.1–.00 38.34N 26.57E 15–1 3.4L
THE VI 04 17 04 55.4 38.32N 26.51E 19–1 3.3L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.4km s-min=1.2km az=238.0. ML Amplitudes are expressed in micrometers.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.6km az=244.0.
DDA VI 08 00 50 16.0–.00 38.37N 26.55E 10–1 1.1L
¶617195726
ISC VI 10 17 42 57.4–.89 38.75N–.02 26.37E–.03 11–6 54 0-2
ISK VI 10 17 42 57.1 38.74N 26.36E 10–0 2.4L **¶611016834**
DDA VI 10 17 42 57.4–.00 38.76N 26.41E 4–1 2.5L
THE VI 10 17 42 58.5 38.76N 26.32E 14–3 2.2L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=3.9km s-min=0.7km az=284.0.
ISC VI 12 12 28 38.7–.38 38.89N–.01 26.34E–.01 10–2 6.3s,6.0b 3577 0-158
IDC VI 12 12 28 36.5–.29 38.89N 26.41E 0 6.1s,5.6b **¶615348170**
BGR VI 12 12 28 36.4 38.86N 25.82E 10 5.9s,5.9b
DDA VI 12 12 28 37.8–.00 38.85N 26.31E 16–1 6.2W,5.9b
MED_R VI 12 12 28 37.0–.10 38.87N 26.45E 11–0 6.4W,5.9b
MCSM VI 12 12 28 37.4–.70 39N–5.0 26E–5.0 9–3 6.2b,5.9b
PDG VI 12 12 28 37.7–.67 38.85N 26.32E 15–1 6.4,6.3L
MOS VI 12 12 28 37.1–.92 38.88N 26.38E 14 6.4s,6.2b
ISK VI 12 12 28 37.5 38.85N 26.33E 14–0 6.3L,6.2b
THE VI 12 12 28 38.7 38.85N 26.31E 8–0 6.1L,6.2b
NEIC VI 12 12 28 38.2 38.92N 26.36E 6 6.1L,6.2b
ATH VI 12 12 28 38.3 38.84N 26.36E 12–1 6.1L,6.2b
NEIC VI 12 12 28 38.2 38.92N 26.36E 6 6.1L,6.2b
NEIC VI 12 12 28 38.9 38.93N 26.36E 12 6.1L,6.2b
BJI VI 12 12 28 38.1–.00 38.90N 26.20E 10 6.5s,6.4b
NEIC VI 12 12 28 38.9 38.93N 26.36E 12 6.5s,6.4b
NEIC VI 12 12 28 39.1–1.5 38.93N–.05 26.37E–.06 12–1 6.3,6.3
GCMT VI 12 12 28 41.2–.00 38.81N 26.32E 12 6.4W,6.3
SOF VI 12 12 28 41.8 39.21N 26.50E 9 6.3,6.3
CFUSG VI 12 12 28 41.3 39.95N 26.72E 12 6.3,6.3
NAO VI 12 12 28 44.0 39.86N 28.65E 33 6.3b,6.3
ISC Event type ke.
IDC Error ellipse: s-maj=7.9km s-min=7.1km az=36.0.
BGR Event type ke.
MED_R Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Moment Tensor Solution. Body waves: s9,c11; Mantle waves: s36,c65;Duration: 3s8 Moment tensor: Scale 10^{18}Nm; Mrr-4.40±.08 Mθθ4.32±.05; Mϕϕ0.09±.05; Mrθ-0.44±.18; Mθϕ-1.55±.05; Mϕr-0.02±.23; Best double couple: NP1:ϕs106.00000°,δ48.00000°,λ-93.00000°. NP2:ϕs290.00000°,δ42.00000°,λ-87.00000°. Principal axes: T 4.8500,Plg3.0000°,Azm198.0000°; N -0.4200,Plg2.0000°,Azm108.0000° ; P -4.4200,Plg87.0000°,Azm338.0000° M0 4.64000×10^{18}
PDG Event type ke. Error ellipse: s-maj=0.4km s-min=1.1km az=0.0.
MOS Error ellipse: s-maj=3.7km s-min=2.3km az=89.7.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=0.8km s-min=0.3km az=19.0.
NEIC Event type se.
ATH Event type ke. Error ellipse: s-maj=1.3km s-min=0.6km az=286.0. ML Amplitudes are expressed in micrometers.
NEIC Event type se.
NEIC Event type se.

NEIC Event type se. Moment Tensor Solution.Duration: $7^{s}4$ Moment tensor: Scale 10^{18}Nm; M_{rr}-3.61 $M_{\theta\theta}$3.31 $M_{\phi\phi}$0.31 $M_{r\theta}$-1.40 $M_{\theta\phi}$-0.96 $M_{\phi r}$0.96 NP1:ϕ_s113.77000°,δ57.49000° ,λ-82.05000°. NP2:ϕ_s279.21000°,δ33.37000°,λ-102.24000°. Principal axes: T 3.9359,Plg12.0000°,Azm198.0000°; N 0.0871,Plg7.0000°,Azm289.0000° ; P -4.0230,Plg76.0000°,Azm48.0000° $M_0$3.98000×10^{18}
NEIC Event type se. Error ellipse: s-maj=8.6km s-min=7.6km az=218.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-2.92 $M_{\theta\theta}$2.67 $M_{\phi\phi}$0.25 $M_{r\theta}$0.40 $M_{\theta\phi}$-0.92 $M_{\phi r}$0.25 NP1:ϕ_s281.46000°,δ48.37000°,λ-99.58000°. NP2:ϕ_s115.71000°,δ42.52000° ,λ-79.39000°. Principal axes: T 2.9998,Plg3.0000°,Azm18.0000°; N -0.0169,Plg7.0000° ,Azm288.0000°; P -2.9829,Plg82.0000°,Azm130.0000° $M_0$2.99000×10^{18} Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-2.20 $M_{\theta\theta}$2.40 $M_{\phi\phi}$-0.20 $M_{r\theta}$0.73 $M_{\theta\phi}$-1.55 $M_{\phi r}$0.31 NP1:ϕ_s276.27000°,δ53.93000°,λ-115.66000°. NP2:ϕ_s135.48000°,δ43.23000° ,λ-59.27000°. Principal axes: T 3.1702,Plg6.0000°,Azm24.0000°; N -0.6959,Plg20.0000° ,Azm292.0000°; P -2.4743,Plg69.0000°,Azm129.0000° $M_0$2.89000×10^{18}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s156,c367; s165,c695; Duration: $3^{s}7$ Moment tensor: Scale 10^{18}Nm; M_{rr}-4.10±.01 $M_{\theta\theta}$4.03±.02; $M_{\phi\phi}$0.07±.01; $M_{r\theta}$-0.19±.04; $M_{\theta\phi}$-1.43±.01; $M_{\phi r}$0.21±.04; Best double couple: NP1:ϕ_s110.00000°,δ47.00000° ,λ-87.00000°. NP2:ϕ_s286.00000°,δ43.00000°,λ-93.00000°. Principal axes: T 4.5000,Plg2.0000°,Azm198.0000°; N -0.3800,Plg2.0000°,Azm288.0000° ; P -4.1130,Plg87.0000°,Azm72.0000° $M_0$4.30600×10^{18}
CFUSG Western Turkey. Magtype MSH 4.5 from 6 stations.

ISC VI 12 12 31 38.5–1.0 38.89N–.02 26.17E–.03 9–9 84 0-3
DDA VI 12 12 31 38.9–.00 38.89N 26.25E 7–4 4.9W **¶611016862**
ISK VI 12 12 31 39.9 38.97N 26.15E 14–0 4.3L
THE VI 12 12 31 40.0 38.92N 26.16E 14–1 4.3L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.7km az=69.0.

ISC VI 12 12 32 53.7–.98 38.81N–.03 26.30E–.04 14–7 28 0-2
ISK VI 12 12 32 51.6 38.72N 26.22E 8–0 3.6L **¶611509383**
DDA VI 12 12 32 53.8–.00 38.82N 26.34E 7–3 4.0L
ISC Event type ke.
ISK Event type ke.

ISC VI 12 12 35 33.6–.90 38.85N–.01 26.36E–.02 11–7 3.9b 134 0-41
IDC VI 12 12 35 32.5–1.7 38.78N 26.54E 0 4.0,3.9b **¶610791725**
ATH VI 12 12 35 33.9 38.87N 26.36E 11–2 4.1L,3.9b
ISK VI 12 12 35 33.1 38.86N 26.34E 8–0 3.9L,3.9b
DDA VI 12 12 35 33.0–.00 38.86N 26.37E 7–2 4.9W,3.9b
THE VI 12 12 35 34.2 38.89N 26.31E 13–1 4.1L,3.9b
ISC Event type ke.
IDC Error ellipse: s-maj=27.3km s-min=22.7km az=58.0.
ATH Event type ke. Error ellipse: s-maj=2.7km s-min=1.1km az=285.0. ML Amplitudes are expressed in micrometers.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.5km az=314.0.

DDA VI 12 12 35 57.5–.00 38.93N 26.23E 7–7 3.4L
¶617196372

ISC VI 12 12 38 51.2–1.1 38.46N–.02 26.99E–.02 7–9 51 0-2
DDA VI 12 12 38 51.7–.00 38.46N 27.01E 7–4 3.3L **¶611016863**
ISK VI 12 12 38 52.9 38.59N 27.03E 16–0 3.3L
THE VI 12 12 38 53.1 38.44N 26.97E 12–3 3.7L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=4.2km s-min=1.5km az=218.0.

ISC VI 12 12 40 45.6–.00 38.89N–.03 26.32E–.05 15–9 22 0-1
ISK VI 12 12 40 46.4 38.93N 26.31E 14–0 3.2L **¶611016864**
DDA VI 12 12 40 46.7–.00 38.83N 26.32E 7–4 2.9L
THE VI 12 12 40 46.0 38.92N 26.33E 2–12 2.7L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=12.2km s-min=1.2km az=25.0.

ISC VI 12 12 42 06.6–1.0 38.84N–.03 26.30E–.06 16–9 27 0-2
DDA VI 12 12 41 55.3–.00 39.19N 26.65E 7–3 3.5L **¶611016865**
ISK VI 12 12 42 04.2 38.72N 26.32E 10–0 3.2L
THE VI 12 12 42 07.3 38.89N 26.29E 14–1 3.0L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.8km az=253.0.

ISC VI 12 12 43 22.0–1.2 38.83N–.02 26.43E–.04 3–12 31 0-2
DDA VI 12 12 43 22.5–.00 38.83N 26.41E 6–4 2.7L **¶611016866**
ISK VI 12 12 43 22.1 38.88N 26.54E 5–0 3.0L
THE VI 12 12 43 24.0 38.84N 26.19E 28–1 2.8L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=2.4km s-min=0.7km az=267.0.

ISC VI 12 12 45 15.3–1.0 38.88N–.02 26.40E–.03 6–9 45 0-2
DDA VI 12 12 45 14.7–.00 38.88N 26.42E 7–3 2.8L **¶611016867**
ISK VI 12 12 45 15.4 38.89N 26.36E 4–0 3.2L
THE VI 12 12 45 16.2 38.92N 26.38E 12–3 3.0L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=4.1km s-min=0.6km az=313.0.

ISC VI 12 12 47 26.3–.92 38.87N–.02 26.31E–.02 11–7 160 0-41
IDC VI 12 12 47 24.7–2.0 38.75N 26.57E 0 3.3,3.3b **¶610791727**
DDA VI 12 12 47 25.9–.00 38.88N 26.41E 7–2 3.6L,3.3b
THE VI 12 12 47 26.8 38.89N 26.35E 10–1 3.6L,3.3b
ISK VI 12 12 47 26.4 38.88N 26.27E 10–0 3.8L,3.3b
ATH VI 12 12 47 27.0 38.91N 26.40E 11–2 3.6L,3.3b
ISC Event type ke.
IDC Error ellipse: s-maj=37.3km s-min=28.3km az=159.0.
THE Event type ke. Error ellipse: s-maj=2.0km s-min=0.7km az=346.0.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.9km s-min=1.2km az=275.0. ML Amplitudes are expressed in micrometers.

ISC VI 12 12 49 51.4–.93 38.86N–.02 26.33E–.03 12–7 48 0-2
ISK VI 12 12 49 50.2 38.83N 26.38E 4–0 3.1L **¶611016868**
THE VI 12 12 49 51.4 38.87N 26.33E 9–2 2.6L
DDA VI 12 12 49 51.0–.00 38.86N 26.32E 7–4 3.0L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=2.7km s-min=1.3km az=307.0.

ISC VI 12 12 50 59.0–.91 38.81N–.02 26.42E–.04 11–8 30 0-2
DDA VI 12 12 50 58.5–.00 38.80N 26.43E 7–3 2.8L **¶611509390**
ISK VI 12 12 50 59.1 38.81N 26.41E 11–0 3.2L
ISC Event type ke.
ISK Event type ke.

ISC VI 12 13 00 15.0–.94 38.88N–.02 26.36E–.02 9–8 104 0-8
DDA VI 12 13 00 14.3–.00 38.86N 26.37E 7–2 3.3L **¶611016870**
ATH VI 12 13 00 14.7 38.88N 26.41E 12–1 3.3L
ISK VI 12 13 00 15.4 38.91N 26.30E 10–0 3.4L
THE VI 12 13 00 15.4 38.87N 26.32E 12–1 3.5L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.8km s-min=1.3km az=272.0. ML Amplitudes are expressed in micrometers.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.6km az=265.0.

ISC VI 12 13 01 30.7–.99 38.86N–.02 26.43E–.04 8–11 27 0-2
THE VI 12 13 01 30.9 38.87N 26.37E 10–3 2.6L **¶611016871**
DDA VI 12 13 01 30.6–.00 38.84N 26.41E 7–6 2.4L
ISK VI 12 13 01 31.2 38.91N 26.41E 8–0 2.8L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=4.3km s-min=0.6km az=313.0.
ISK Event type ke.

ISC VI 12 13 03 14.3–1.0 38.89N–.02 26.27E–.03 6–11 32 0-2
DDA VI 12 13 03 13.9–.00 38.90N 26.27E 7–5 2.3L **¶611016872**
ISK VI 12 13 03 14.7 38.93N 26.23E 6–0 2.6L
THE VI 12 13 03 14.5 38.90N 26.25E 8–2 2.4L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=3.2km s-min=0.6km az=280.0.

ISC VI 12 13 06 32.3–1.1 38.92N–.03 26.26E–.04 5–13 20 0-2
DDA VI 12 13 06 32.2–.00 38.89N 26.29E 7–3 2.6L **¶617196310**
ISK VI 12 13 06 32.4 38.93N 26.19E 8–0 2.9L
ISC Event type ke.
ISK Event type ke.

ISC VI 12 13 07 07.3–.97 38.85N–.02 26.27E–.02 9–8 118 0-9
DDA VI 12 13 07 07.5–.00 38.87N 26.39E 7–2 3.4L **¶611509391**
ISK VI 12 13 07 07.9 38.89N 26.11E 10–0 3.6L
THE VI 12 13 07 08.3 38.88N 26.31E 11–1 3.3L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.8km az=68.0.

DDA VI 12 13 10 05.3–.00 38.83N 26.38E 7–5 2.6L
¶617196463

ISC VI 12 13 10 14.2–1.0 38.92N–.02 26.31E–.03 6–11 47 0-8
ISK VI 12 13 10 13.6 38.91N 26.28E 11–0 3.5L **¶612624867**
DDA VI 12 13 10 14.8–.00 38.89N 26.35E 7–7 3.2L
ATH VI 12 13 10 14.6 38.94N 26.28E 10–1 3.2L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.5km s-min=1.1km az=283.0. ML Amplitudes are expressed in micrometers.

ISC VI 12 13 12 24.0–1.2 38.87N–.02 26.27E–.04 3–11 66 0-7
DDA VI 12 13 12 23.1–.00 38.87N 26.29E 3–2 3.0L **¶611509394**
ISK VI 12 13 12 25.1 38.89N 26.24E 11–0 3.4L
ISC Event type ke.
ISK Event type ke.

ISC VI 12 13 16 12.7–1.4 38.90N–.03 26.12E–.05 2–12 33 0-2
DDA VI 12 13 16 11.7–.00 38.97N 26.15E 5–4 2.6L **¶611016876**
ISK VI 12 13 16 14.5 38.88N 26.21E 8–0 2.7L
THE VI 12 13 16 15.5 38.93N 26.19E 13–1 2.5L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.9km az=54.0.

ISC VI 12 13 18 25.5–1.6 38.77N–.04 26.1E–.10 12–11 17 0-2
DDA VI 12 13 18 23.6–.00 38.43N 25.66E 9–7 2.6L **¶612624869**
ISK VI 12 13 18 28.7 38.92N 26.26E 10–0 2.8L
ISC Event type ke.
ISK Event type ke.

ISC VI 12 13 19 30.6–.98 38.91N–.02 26.31E–.05 13–9 28 0-2
DDA VI 12 13 19 31.0–.00 38.85N 26.29E 6–3 2.4L **¶611016877**
THE VI 12 13 19 31.3 38.94N 26.30E 12–1 2.5L
ISK VI 12 13 19 31.7 38.95N 26.27E 15–0 2.7L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=2.3km s-min=0.9km az=32.0.
ISK Event type ke.

ISC VI 12 13 22 53.0–.96 38.89N–.02 26.40E–.03 9–8 50 0-2
DDA VI 12 13 22 52.6–.00 38.88N 26.40E 7–2 2.6L **¶611016878**
ISK VI 12 13 22 53.5 38.90N 26.42E 8–0 2.7L
THE VI 12 13 22 53.8 38.90N 26.31E 10–4 2.7L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=4.5km s-min=0.6km az=313.0.

ISC VI 12 13 24 25.5–.98 38.91N–.02 26.20E–.02 9–8 101 0-8
ISK VI 12 13 24 25.6 38.86N 26.08E 22–0 3.4L **¶611016879**
DDA VI 12 13 24 25.5–.00 38.92N 26.30E 7–4 3.1L
THE VI 12 13 24 26.6 38.93N 26.21E 12–1 3.5L
ATH VI 12 13 24 26.7 38.94N 26.20E 13–1 3.4L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.7km az=33.0.
ATH Event type ke. Error ellipse: s-maj=2.2km s-min=1.2km az=282.0. ML Amplitudes are expressed in micrometers.

ISC VI 12 13 31 19.0–1.8 38.51N–.07 26.1E–.10 8–12 14 0-2
DDA VI 12 13 31 13.3–.00 38.91N 26.53E 7–4 2.2L **¶611509396**
ISK VI 12 13 31 26.9 38.92N 26.24E 8–0 2.6L
ISC Event type ke.
ISK Event type ke.

ISC VI 12 13 34 32.9–1.1 38.92N–.02 26.48E–.04 9–10 31 0-2
ISK VI 12 13 34 32.7 38.92N 26.45E 9–0 2.7L **¶611016880**
DDA VI 12 13 34 33.5–.00 38.87N 26.47E 7–2 2.4L
THE VI 12 13 34 33.0 38.94N 26.46E 6–3 2.6L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=3.6km s-min=1.2km az=358.0.

ISC VI 12 13 40 07.3–1.2 38.91N–.03 26.13E–.04 5–11 58 0-3
ISK VI 12 13 40 08.3 38.97N 26.14E 5–0 3.3L **¶611016881**
THE VI 12 13 40 08.8 38.94N 26.20E 10–1 3.0L
DDA VI 12 13 40 08.6–.00 38.85N 26.27E 7–2 3.0L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.7km az=19.0.

ISC VI 12 13 42 24.9–.91 38.82N–.02 26.37E–.02 9–7 118 0-9
DDA VI 12 13 42 23.9–.00 38.82N 26.36E 7–2 3.3L **¶611016882**
ISK VI 12 13 42 24.8 38.83N 26.31E 14–0 3.6L
THE VI 12 13 42 25.4 38.85N 26.36E 9–1 3.4L
ATH VI 12 13 42 25.1 38.84N 26.39E 10–1 3.4L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.6km az=274.0.
ATH Event type ke. Error ellipse: s-maj=2.7km s-min=1.1km az=272.0. ML Amplitudes are expressed in micrometers.

ISC VI 12 13 43 46.7–1.2 38.98N–.04 26.14E–.05 4–12 19 0-2
THE VI 12 13 43 45.1 38.92N 26.21E 5–4 2.3L **¶611016883**
ISK VI 12 13 43 48.9 39.15N 26.11E 2–0 3.1L
DDA VI 12 13 43 57.1–.00 38.83N 26.38E 7–3 2.9L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=4.2km s-min=0.8km az=321.0.
ISK Event type ke.

ISC VI 12 13 57 01.3–.89 38.90N–.02 26.20E–.02 14–7 138 0-10
ISK VI 12 13 57 00.7 38.91N 26.21E 12–0 3.7L **¶611016885**
DDA VI 12 13 57 01.2–.00 38.90N 26.24E 7–2 3.4L
THE VI 12 13 57 01.9 38.90N 26.19E 10–1 3.5L
ATH VI 12 13 57 01.6 38.91N 26.24E 15–1 3.6L
SOF VI 12 13 57 12.7 39.77N 25.84E 15 3.1
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.7km az=65.0.
ATH Event type ke. Error ellipse: s-maj=2.2km s-min=1.2km az=279.0. ML Amplitudes are expressed in micrometers.

ISC VI 12 14 02 45.9–.96 38.81N–.02 26.39E–.04 10–8 27 0-1
DDA VI 12 14 02 45.6–.00 38.80N 26.40E 7–2 3.1W **¶611016886**
THE VI 12 14 02 46.3 38.81N 26.35E 12–2 2.7L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=3.3km s-min=0.7km az=274.0.

ISC VI 12 14 12 59.8–1.0 38.89N–.02 26.38E–.03 7–9 59 0-3
DDA VI 12 14 12 59.6–.00 38.88N 26.41E 7–3 2.6L **¶611509398**
ISK VI 12 14 13 00.3 38.92N 26.35E 10–0 3.0L
ISC Event type ke.
ISK Event type ke.

ISC VI 12 14 19 47.9–.68 38.87N–.01 26.35E–.02 12–4 4.3b 359 0-118
NAO VI 12 14 19 39.1 36.94N 23.60E 33 4.0b **¶610670978**
IDC VI 12 14 19 45.8–.68 38.91N 26.30E 0 4.2s,4.0b
ISK VI 12 14 19 46.9 38.85N 26.34E 15–0 4.4L,4.0b
DDA VI 12 14 19 47.1–.00 38.86N 26.36E 12–1 4.3W,4.0b
NEIC VI 12 14 19 47.9–1.4 38.88N–.05 26.32E–.07 10–1 4.4b,4.0b
ATH VI 12 14 19 47.9 38.87N 26.35E 12–1 4.4L,4.0b
MCSM VI 12 14 19 47.4–.70 39N–5.0 26E–4.0 9–3 4.4b,4.0b
THE VI 12 14 19 48.2 38.86N 26.31E 11–1 4.3L,4.0b

ISC Event type ke.
IDC Error ellipse: s-maj=14.1km s-min=13.2km az=160.0.
ISK Event type ke.
NEIC Event type se. Error ellipse: s-maj=9.7km s-min=8.2km az=256.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ATH Event type ke. Error ellipse: s-maj=2.3km s-min=1.0km az=271.0. ML Amplitudes are expressed in micrometers.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.6km az=271.0.
ISC VI 12 14 22 58.8–.92 38.87N–.02 26.40E–.03 12–8 52 0-2
ISK VI 12 14 22 57.8 38.82N 26.39E 5–0 2.8L **¶611016887**
DDA VI 12 14 22 58.5–.00 38.88N 26.40E 7–3 2.7L
THE VI 12 14 22 59.3 38.89N 26.38E 9–0 2.6L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.3km az=272.0.
ISC VI 12 14 26 45.1–1.1 38.92N–.03 26.15E–.04 6–10 36 0-2
DDA VI 12 14 26 44.7–.00 38.95N 26.16E 7–5 2.8L **¶611509400**
ISK VI 12 14 26 45.3 38.91N 26.03E 11–0 3.1L
ISC Event type ke.
ISK Event type ke.
DDA VI 12 14 27 05.5–.00 38.98N 26.26E 7–5 2.7L
¶617196402
ISC VI 12 14 28 34.4–.95 38.88N–.02 26.40E–.03 11–9 44 0-2
DDA VI 12 14 28 33.6–.00 38.89N 26.37E 7–3 2.3L **¶611016888**
THE VI 12 14 28 34.6 38.88N 26.40E 13–0 2.6L
ISK VI 12 14 28 34.8 38.90N 26.39E 9–0 2.6L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.5km az=266.0.
ISK Event type ke.
ISC VI 12 14 30 35.6–1.1 38.89N–.03 26.26E–.04 14–10 31 0-3
THE VI 12 14 30 35.2 38.87N 26.32E 12–1 2.4L **¶611016889**
ISK VI 12 14 30 36.8 38.99N 26.33E 8–0 2.5L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.6km az=271.0.
ISK Event type ke.
ISC VI 12 14 37 25.6–.88 38.90N–.02 26.20E–.03 15–7 81 0-3
ISK VI 12 14 37 24.9 38.89N 26.13E 8–0 2.9L **¶611016890**
ATH VI 12 14 37 25.8 38.91N 26.24E 14–1 3.1L
DDA VI 12 14 37 25.4–.00 38.90N 26.23E 6–1 3.5W
THE VI 12 14 37 26.1 38.93N 26.23E 14–1 3.1L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.6km s-min=0.8km az=274.0. ML Amplitudes are expressed in micrometers.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.6km az=264.0.
ISC VI 12 14 41 13.7–.88 38.89N–.02 26.34E–.03 14–7 110 0-9
DDA VI 12 14 41 12.7–.00 38.90N 26.25E 6–2 3.5W **¶611016891**
ATH VI 12 14 41 13.7 38.90N 26.35E 9–1 3.3L
ISK VI 12 14 41 13.3 38.88N 26.30E 10–0 3.6L
THE VI 12 14 41 13.9 38.90N 26.32E 5–1 3.4L
SOF VI 12 14 41 17.4 39.29N 26.30E 10 3.6
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.0km s-min=0.9km az=273.0. ML Amplitudes are expressed in micrometers.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.6km az=270.0.
ISC VI 12 14 42 58.0–.92 38.87N–.02 26.34E–.02 10–8 78 0-2
DDA VI 12 14 42 57.6–.00 38.87N 26.37E 7–3 2.7L **¶611016892**
ISK VI 12 14 42 57.4 38.84N 26.32E 11–0 3.0L
ATH VI 12 14 42 58.4 38.88N 26.35E 10–1 2.8L
THE VI 12 14 42 58.6 38.89N 26.33E 12–1 2.9L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.4km s-min=1.1km az=272.0. ML Amplitudes are expressed in micrometers.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.6km az=270.0.
ISC VI 12 14 47 07.7–.92 38.88N–.02 26.36E–.02 11–8 108 0-7
ISK VI 12 14 47 07.1 38.86N 26.36E 10–0 3.5L **¶611016893**
DDA VI 12 14 47 07.2–.00 38.88N 26.40E 7–2 2.9L
ATH VI 12 14 47 08.1 38.88N 26.37E 11–1 3.2L
THE VI 12 14 47 08.6 38.89N 26.34E 11–1 3.2L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.1km s-min=0.8km az=268.0. ML Amplitudes are expressed in micrometers.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.6km az=270.0.
ISC VI 12 15 06 54.3–.98 38.84N–.03 26.40E–.05 12–8 28 0-2
ISK VI 12 15 06 52.9 38.82N 26.40E 5–0 2.5L **¶611509401**
DDA VI 12 15 06 54.1–.00 38.85N 26.42E 7–1 2.5L
ISC Event type ke.
ISK Event type ke.
ISC VI 12 15 09 49.1–.98 38.87N–.02 26.28E–.03 9–9 43 0-2
ISK VI 12 15 09 48.9 38.91N 26.15E 9–0 2.6L **¶611016894**
DDA VI 12 15 09 48.7–.00 38.85N 26.30E 7–2 2.6L
THE VI 12 15 09 49.0 38.87N 26.29E 5–1 2.7L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=2.2km s-min=0.5km az=277.0.
ISC VI 12 15 17 07.4–.98 38.87N–.02 26.38E–.04 10–9 42 0-2
ISK VI 12 15 17 05.2 38.83N 26.29E 4–0 2.5L **¶611016895**
DDA VI 12 15 17 07.2–.00 38.87N 26.43E 7–2 2.2L
THE VI 12 15 17 08.4 38.88N 26.37E 12–1 2.7L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.6km az=266.0.
ISC VI 12 15 25 02.4–.78 38.86N–.02 26.37E–.02 14–6 197 0-16
DDA VI 12 15 25 01.8–.00 38.86N 26.38E 7–1 4.0W **¶611016897**
ATH VI 12 15 25 02.5 38.86N 26.38E 13–1 3.6L
ISK VI 12 15 25 02.2 38.88N 26.25E 17–0 4.0L
THE VI 12 15 25 02.8 38.87N 26.34E 11–1 4.0L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.9km s-min=0.9km az=274.0. ML Amplitudes are expressed in micrometers.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.6km az=270.0.
ISC VI 12 15 27 24.8–.92 38.92N–.02 26.08E–.03 15–8 74 0-3
ATH VI 12 15 27 25.0 38.90N 26.11E 14–1 3.4L **¶611016898**
THE VI 12 15 27 24.9 38.92N 26.09E 12–1 3.3L
ISK VI 12 15 27 25.8 39.00N 26.12E 10–0 3.3L
DDA VI 12 15 27 25.2–.00 38.95N 26.11E 7–2 3.2L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.1km s-min=1.0km az=98.0. ML Amplitudes are expressed in micrometers.
THE Event type ke. Error ellipse: s-maj=2.0km s-min=0.8km az=96.0.
ISK Event type ke.
ISC VI 12 15 44 02.2–.89 38.84N–.02 26.32E–.03 15–7 54 0-2
ISK VI 12 15 44 01.3 38.83N 26.37E 7–0 3.1L **¶611016901**
DDA VI 12 15 44 01.9–.00 38.84N 26.34E 7–2 2.7L
THE VI 12 15 44 03.0 38.86N 26.30E 14–0 3.0L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.5km az=269.0.
ISC VI 12 15 46 51.4–.91 38.89N–.02 26.35E–.03 13–7 54 0-2
ISK VI 12 15 46 50.9 38.86N 26.29E 11–0 2.9L **¶611016902**
DDA VI 12 15 46 50.9–.00 38.90N 26.35E 7–2 2.5L
THE VI 12 15 46 51.8 38.91N 26.32E 6–1 2.9L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.6km az=270.0.
ISC VI 12 15 49 33.7–1.1 38.86N–.02 26.31E–.04 9–9 44 0-2
ISK VI 12 15 49 32.7 38.82N 26.33E 6–0 2.6L **¶611016903**
DDA VI 12 15 49 33.5–.00 38.87N 26.35E 7–2 2.3L
THE VI 12 15 49 34.3 38.88N 26.33E 2–3 2.4L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=3.5km s-min=0.5km az=227.0.
ISC VI 12 15 58 39.9–1.2 38.84N–.03 26.35E–.05 14–10 31 0-2
ISK VI 12 15 58 39.0 38.82N 26.34E 5–0 2.8L **¶611016904**
THE VI 12 15 58 40.3 38.86N 26.37E 13–1 2.9L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=2.1km s-min=0.7km az=265.0.
ISC VI 12 16 03 53.1–.98 38.95N–.02 26.29E–.02 9–8 66 0-8
ISK VI 12 16 03 50.7 38.87N 26.25E 2–0 3.4L **¶611016905**
DDA VI 12 16 03 52.4–.00 38.95N 26.30E 7–2 2.7L
ATH VI 12 16 03 53.3 38.97N 26.31E 10–2 3.0L
THE VI 12 16 03 53.2 38.96N 26.27E 6–1 3.1L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.9km s-min=1.2km az=84.0. ML Amplitudes are expressed in micrometers.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.7km az=280.0.
ISC VI 12 16 16 23.9–.89 38.83N–.02 26.36E–.02 12–7 141 0-9
ISK VI 12 16 16 22.7 38.78N 26.36E 10–0 3.7L **¶610670987**
ATH VI 12 16 16 23.9 38.83N 26.37E 12–1 3.4L
DDA VI 12 16 16 23.2–.00 38.82N 26.36E 10–1 3.7W
THE VI 12 16 16 24.4 38.84N 26.32E 8–1 3.6L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.8km s-min=0.8km az=272.0. ML Amplitudes are expressed in micrometers.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.5km az=275.0.
ISC VI 12 16 20 54.6–1.0 38.90N–.02 26.35E–.03 9–9 43 0-9
ISK VI 12 16 20 53.6 38.84N 26.32E 7–0 3.0L **¶611016906**
DDA VI 12 16 20 54.1–.00 38.91N 26.32E 7–1 2.5L
THE VI 12 16 20 55.3 38.95N 26.41E 6–1 2.7L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.6km az=262.0.
ISC VI 12 16 21 24.9–.92 38.82N–.02 26.38E–.04 11–8 38 0-8
THE VI 12 16 21 24.4 38.84N 26.39E 1–2 3.0L **¶617196313**
DDA VI 12 16 21 24.5–.00 38.82N 26.35E 7–1 2.8L
ISK VI 12 16 21 24.9 38.81N 26.24E 18–0 3.2L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=2.3km s-min=0.7km az=81.0.
ISK Event type ke.
ISC VI 12 16 27 50.1–1.0 38.92N–.02 26.36E–.03 8–9 43 0-2
DDA VI 12 16 27 49.4–.00 38.91N 26.35E 7–2 2.2L **¶611016913**
ISK VI 12 16 27 50.5 38.94N 26.32E 18–0 2.7L
THE VI 12 16 27 50.4 38.92N 26.33E 5–1 2.6L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.5km az=275.0.
ISC VI 12 16 30 16.2–.84 38.86N–.01 26.39E–.02 14–6 3.6b 241 0-56
IDC VI 12 16 30 14.2–.90 38.77N 26.50E 0 3.7b,3.6 **¶610670968**
ISK VI 12 16 30 14.9 38.83N 26.34E 10–0 4.2L,3.6
DDA VI 12 16 30 15.6–.00 38.87N 26.39E 12–1 4.0W,3.6
THE VI 12 16 30 16.6 38.88N 26.35E 11–0 4.0L,3.6
ATH VI 12 16 30 16.2 38.86N 26.42E 12 3.9W,3.6
SOF VI 12 16 30 22.4 39.53N 26.32E 5 3.7,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=16.7km s-min=14.3km az=89.0.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.5km az=271.0.
ATH Moment Tensor Solution. s6 Moment tensor: M_{rr}-7.37 $M_{\theta\theta}$9.58 $M_{\phi\phi}$-2.21 $M_{r\theta}$3.42 $M_{\theta\phi}$-0.00 $M_{\phi r}$-3.05 NP1:ϕ_s67.00000°,δ39.00000°,λ-127.00000°. NP2:ϕ_s291.00000°,δ60.00000°,λ-64.00000°.
ISC VI 12 16 42 05.0–.89 38.83N–.02 26.35E–.02 11–7 101 0-9
ATH VI 12 16 42 04.8 38.83N 26.37E 12–1 3.2L **¶611016914**
DDA VI 12 16 42 04.4–.00 38.83N 26.35E 7–1 3.0L
ISK VI 12 16 42 04.0 38.77N 26.31E 11–0 3.3L
THE VI 12 16 42 05.6 38.84N 26.32E 8–1 3.2L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.3km s-min=0.8km az=273.0. ML Amplitudes are expressed in micrometers.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.5km az=267.0.
ISC VI 12 16 47 42.6–1.1 39.00N–.02 26.24E–.03 10–8 56 0-3
THE VI 12 16 47 43.2 39.00N 26.26E 9–4 2.6L **¶611016916**
DDA VI 12 16 47 43.5–.00 39.01N 26.34E 7–3 2.4L
ISK VI 12 16 47 44.0 39.12N 26.20E 15–0 2.8L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=4.6km s-min=1.0km az=288.0.
ISK Event type ke.
ISC VI 12 17 08 11.2–1.1 38.85N–.02 26.32E–.04 5–9 44 0-2
ISK VI 12 17 08 10.9 38.81N 26.30E 8–0 2.6L **¶611016919**
DDA VI 12 17 08 11.1–.00 38.83N 26.43E 7–4 2.1L
THE VI 12 17 08 12.6 38.86N 26.29E 7–4 2.2L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=5.2km s-min=0.9km az=279.0.
ISC VI 12 17 10 34.6–1.0 38.83N–.02 26.40E–.03 6–10 35 0-2
DDA VI 12 17 10 33.4–.00 38.84N 26.38E 7–1 2.0L **¶611016920**
THE VI 12 17 10 34.5 38.83N 26.38E 5–3 2.1L
ISK VI 12 17 10 35.4 38.92N 26.41E 2–0 2.5L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=3.9km s-min=0.6km az=268.0.
ISK Event type ke.
ISC VI 12 17 13 53.4–.92 38.82N–.02 26.37E–.04 11–7 36 0-2
ISK VI 12 17 13 52.7 38.78N 26.45E 8–0 2.7L **¶612624896**
DDA VI 12 17 13 53.0–.00 38.83N 26.37E 7–2 2.2L
THE VI 12 17 13 53.9 38.84N 26.34E 8–2 2.4L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=2.8km s-min=0.5km az=279.0.
ISC VI 12 17 24 55.1–1.0 38.86N–.02 26.30E–.03 11–9 52 0-2
ISK VI 12 17 24 53.7 38.80N 26.29E 9–0 2.9L **¶611016923**
ATH VI 12 17 24 55.1 38.87N 26.35E 8–3 2.7L
THE VI 12 17 24 55.3 38.87N 26.29E 7–1 2.7L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.8km s-min=1.0km az=279.0. ML Amplitudes are expressed in micrometers.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.5km az=273.0.
ISC VI 12 17 34 31.3–.99 38.82N–.02 26.36E–.02 12–8 146 0-41
IDC VI 12 17 34 29.7–1.7 38.71N 26.42E 0 3.5,3.5L **¶610670967**
ISK VI 12 17 34 30.7 38.83N 26.37E 10–0 3.8L,3.5L
THE VI 12 17 34 31.9 38.83N 26.32E 7–1 3.6L,3.5L
ATH VI 12 17 34 31.5 38.82N 26.34E 8–1 3.3L,3.5L
CFUSG VI 12 17 34 31.2 38.83N 26.32E 7 3.3L,3.5L
DDA VI 12 17 34 41.1–.00 39.51N 26.65E 7–6 3.4L,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=41.1km s-min=19.9km az=6.0.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.5km az=274.0.
ATH Event type ke. Error ellipse: s-maj=1.7km s-min=0.8km az=275.0. ML Amplitudes are expressed in micrometers.
CFUSG Western Turkey. Magtype MSH 3.4 from 1 stations.
ISC VI 12 17 37 55.6–1.0 38.83N–.02 26.32E–.04 9–9 63 0-3
ISK VI 12 17 37 54.7 38.82N 26.30E 6–0 3.0L **¶611016926**
DDA VI 12 17 37 55.2–.00 38.81N 26.28E 6–2 2.7L

THE VI 12 17 37 56.9 38.84N 26.34E 11–1 3.0L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=3.1km s-min=1.0km az=266.0.
ISC VI 12 17 43 00.1–1.0 38.87N–.02 26.32E–.03 11–8 36 0-2
ISK VI 12 17 42 59.4 38.81N 26.34E 5–0 3.0L **¶611509422**
DDA VI 12 17 42 59.8–.00 38.87N 26.29E 7–2 2.3L
THE VI 12 17 43 01.3 38.91N 26.34E 13–0 2.6L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.6km az=266.0.
ISC VI 12 17 45 46.8–.94 38.82N–.02 26.35E–.02 8–8 93 0-3
DDA VI 12 17 45 45.8–.00 38.82N 26.35E 7–3 2.8L **¶611016932**
ATH VI 12 17 45 46.9 38.84N 26.38E 13–1 2.8L
ISK VI 12 17 45 47.8 38.89N 26.37E 13–0 3.2L
THE VI 12 17 45 47.3 38.82N 26.33E 7–1 2.9L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.3km s-min=0.9km az=278.0. ML Amplitudes are expressed in micrometers.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.5km az=270.0.
ISC VI 12 17 47 01.6–1.1 38.86N–.03 26.14E–.04 16–9 42 0-1
ISK VI 12 17 47 02.2 38.91N 26.18E 4–0 3.1L **¶611016933**
ATH VI 12 17 47 02.6 38.92N 26.22E 17–2 2.3L
DDA VI 12 17 47 02.7–.00 38.87N 26.22E 7–4 2.4L
THE VI 12 17 47 03.2 38.92N 26.14E 13–1 2.4L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.7km s-min=1.2km az=5.0. ML Amplitudes are expressed in micrometers.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.7km az=265.0.
ISC VI 12 17 56 21.0–1.0 38.86N–.02 26.29E–.03 6–10 43 0-2
DDA VI 12 17 56 20.2–.00 38.86N 26.28E 7–1 2.6L **¶611016935**
ISK VI 12 17 56 21.8 38.89N 26.18E 12–0 2.7L
THE VI 12 17 56 21.0 38.87N 26.28E 6–1 2.7L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.4km az=278.0.
ISC VI 12 17 59 14.6–1.1 38.85N–.02 26.37E–.04 4–10 37 0-2
THE VI 12 17 59 14.8 38.85N 26.33E 2–5 2.2L **¶611016936**
DDA VI 12 17 59 14.6–.00 38.82N 26.43E 7–4 2.1L
ISK VI 12 17 59 15.5 38.90N 26.25E 9–0 2.5L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=5.6km s-min=0.8km az=310.0.
ISK Event type ke.
ISC VI 12 18 04 30.4–.00 38.97N–.02 26.11E–.03 10–9 56 0-3
DDA VI 12 18 04 29.2–.00 39.01N 26.29E 7–3 2.8L **¶611016938**
THE VI 12 18 04 30.9 38.95N 26.12E 7–0 2.8L
ATH VI 12 18 04 31.0 38.95N 26.14E 12–2 2.8L
ISK VI 12 18 04 34.0 39.19N 26.07E 9–0 2.6L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.5km az=77.0.
ATH Event type ke. Error ellipse: s-maj=3.1km s-min=1.2km az=95.0. ML Amplitudes are expressed in micrometers.
ISK Event type ke.
ISC VI 12 18 05 58.4–.99 38.91N–.02 26.32E–.04 12–8 47 0-3
ISK VI 12 18 05 57.1 38.87N 26.33E 9–0 2.8L **¶611016939**
DDA VI 12 18 05 58.0–.00 38.92N 26.32E 7–2 2.8L
THE VI 12 18 05 59.0 38.93N 26.30E 5–0 2.7L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=0.9km s-min=0.3km az=273.0.
ISC VI 12 18 14 30.1–.98 38.82N–.02 26.38E–.04 8–9 37 0-2
ISK VI 12 18 14 29.9 38.83N 26.31E 9–0 2.6L **¶611016941**
DDA VI 12 18 14 30.4–.00 38.79N 26.36E 7–4 2.3L
THE VI 12 18 14 30.0 38.82N 26.40E 1–2 2.2L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=2.8km s-min=0.8km az=91.0.
DDA VI 12 18 25 02.6–.00 38.86N 26.09E 6–3 3.4L
¶617195739
ISC VI 12 18 25 41.3–.84 38.89N–.02 26.27E–.02 16–6 3.7b 251 0-74
IDC VI 12 18 25 39.2–.99 38.90N 26.23E 0 3.9L,3.7 **¶612624900**
NAO VI 12 18 25 39.4 39.16N 29.02E 33 4.0b,3.7
DDA VI 12 18 25 40.9–.00 38.88N 26.30E 12–1 4.0W,3.7
ATH VI 12 18 25 41.8 38.89N 26.25E 12 3.9W,3.7
THE VI 12 18 25 41.6 38.88N 26.23E 8–1 3.9L,3.7
ISK VI 12 18 25 41.5 38.90N 26.15E 24–0 4.2L,3.7
CFUSG VI 12 18 25 45.0 39.34N 26.61E 8 4.2L,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=18.6km s-min=16.5km az=105.0.
ATH Moment Tensor Solution. s7 Moment tensor: M_{rr}2.40 $M_{\theta\theta}$4.83 $M_{\phi\phi}$-7.23 $M_{r\theta}$3.59 $M_{\theta\phi}$1.69 $M_{\phi r}$-0.97 NP1:ϕ_s32.00000°,δ59.00000°,λ160.00000°. NP2:ϕ_s133.00000°,δ73.00000°,λ33.00000°.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.5km az=277.0.
ISK Event type ke.
CFUSG Western Turkey. Magtype MSH 3.3 from 4 stations.
ISC VI 12 18 29 28.2–.87 38.82N–.02 26.36E–.02 12–6 3.2b 184 0-41
IDC VI 12 18 29 26.9–1.3 38.76N 26.45E 0 3.5L,3.4 **¶610791737**
DDA VI 12 18 29 27.3–.00 38.82N 26.29E 7–3 3.6W,3.4
ATH VI 12 18 29 28.4 38.82N 26.38E 12–1 3.3L,3.4
ISK VI 12 18 29 28.0 38.82N 26.32E 11–0 3.8L,3.4
THE VI 12 18 29 28.7 38.83N 26.34E 9–1 3.7L,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=22.3km s-min=20.7km az=95.0.
ATH Event type ke. Error ellipse: s-maj=1.6km s-min=0.7km az=273.0. ML Amplitudes are expressed in micrometers.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.5km az=273.0.
ISC VI 12 18 45 43.3–1.2 38.91N–.03 26.20E–.05 9–11 32 0-3
DDA VI 12 18 45 43.8–.00 38.88N 26.26E 7–4 2.5L **¶612624903**
ISK VI 12 18 45 45.3 38.94N 26.03E 14–0 2.7L
ISC Event type ke.
ISK Event type ke.
ISC VI 12 19 21 22.0–.87 38.82N–.02 26.38E–.02 12–7 78 0-4
DDA VI 12 19 21 21.6–.00 38.82N 26.38E 7–1 2.8L **¶611016950**
THE VI 12 19 21 22.3 38.82N 26.36E 11–1 3.0L
ISK VI 12 19 21 22.5 38.85N 26.38E 14–0 3.1L
ATH VI 12 19 21 22.1 38.83N 26.42E 9–4 2.9L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=2.2km s-min=0.7km az=269.0.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=5.1km s-min=1.1km az=279.0. ML Amplitudes are expressed in micrometers.
ISC VI 12 19 27 21.3–.87 38.75N–.02 26.42E–.03 9–7 64 0-3
DDA VI 12 19 27 21.2–.00 38.74N 26.38E 7–1 2.3L **¶611016951**
ATH VI 12 19 27 21.9 38.75N 26.42E 9–3 2.4L
ISK VI 12 19 27 21.2 38.75N 26.30E 9–0 2.5L
THE VI 12 19 27 22.2 38.74N 26.38E 9–1 2.6L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=4.3km s-min=1.0km az=271.0. ML Amplitudes are expressed in micrometers.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.5km az=270.0.
ISC VI 12 19 47 16.2–.87 38.89N–.02 26.25E–.03 13–8 52 0-2
ISK VI 12 19 47 16.4 38.92N 26.19E 19–0 2.6L **¶611016961**
DDA VI 12 19 47 16.3–.00 38.87N 26.27E 7–3 2.5L
ATH VI 12 19 47 16.5 38.90N 26.24E 8–3 2.6L
THE VI 12 19 47 16.1 38.89N 26.22E 5–6 2.6L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=4.3km s-min=1.1km az=285.0. ML Amplitudes are expressed in micrometers.
THE Event type ke. Error ellipse: s-maj=6.7km s-min=0.6km az=265.0.
ISC VI 12 19 48 38.7–.94 38.92N–.02 26.36E–.02 12–8 191 0-9
DDA VI 12 19 48 38.9–.00 38.91N 26.34E 7–2 3.6W **¶611016962**
ATH VI 12 19 48 39.5 38.90N 26.35E 10–1 3.3L
ISK VI 12 19 48 40.5 39.00N 26.30E 14–0 3.5L
THE VI 12 19 48 40.0 38.92N 26.29E 9–0 3.4L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.6km s-min=0.8km az=280.0. ML Amplitudes are expressed in micrometers.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=0.9km s-min=0.4km az=270.0.
ISC VI 12 19 52 35.3–.90 38.91N–.02 26.35E–.02 13–7 136 0-9
DDA VI 12 19 52 34.5–.00 38.91N 26.36E 7–1 3.2L **¶611016963**
ATH VI 12 19 52 35.5 38.90N 26.34E 9–1 3.2L
ISK VI 12 19 52 35.6 38.94N 26.29E 19–0 3.6L
THE VI 12 19 52 36.4 38.89N 26.24E 10–1 3.6L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.4km s-min=1.0km az=267.0. ML Amplitudes are expressed in micrometers.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.5km az=273.0.
ISC VI 12 19 53 49.9–1.1 38.87N–.02 26.46E–.04 10–9 29 0-1
ATH VI 12 19 53 49.6 38.87N 26.45E 8–2 2.9L **¶611016964**
DDA VI 12 19 53 49.7–.00 38.84N 26.52E 7–2 2.6L
THE VI 12 19 53 50.2 38.87N 26.37E 8–3 2.8L
ISC Event type ke.
ATH Event type ke. Manual Solution by M.Kolligri ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 1 km.
THE Event type ke. Error ellipse: s-maj=4.7km s-min=0.9km az=279.0.
ISC VI 12 20 01 25.6–.94 38.82N–.02 26.39E–.03 9–8 49 0-2
DDA VI 12 20 01 25.0–.00 38.81N 26.37E 9–1 2.8L **¶611509430**
THE VI 12 20 01 25.5 38.83N 26.44E 6–10 2.7L
ISK VI 12 20 01 26.1 38.88N 26.38E 7–0 2.9L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=10.3km s-min=0.9km az=268.0.
ISK Event type ke.
ISC VI 12 20 17 58.7–.89 38.87N–.02 26.41E–.03 14–7 58 0-2
DDA VI 12 20 17 58.4–.00 38.87N 26.43E 7–2 2.6L **¶611016966**
ISK VI 12 20 17 59.8 38.97N 26.41E 12–0 2.7L
THE VI 12 20 17 59.3 38.88N 26.37E 10–0 2.8L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.5km az=265.0.
ISC VI 12 20 23 25.4–.87 38.88N–.02 26.43E–.03 17–7 57 0-3
DDA VI 12 20 23 25.7–.00 38.87N 26.42E 7–2 2.3L **¶611016967**
ISK VI 12 20 23 26.9 38.94N 26.35E 10–0 2.5L
THE VI 12 20 23 26.7 38.90N 26.40E 13–1 2.6L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=2.1km s-min=0.7km az=266.0.
ISC VI 12 20 55 19.8–.95 38.91N–.02 26.25E–.03 12–8 40 0-2
ISK VI 12 20 55 15.8 38.77N 26.24E 6–0 2.4L **¶612624917**
DDA VI 12 20 55 19.8–.00 38.90N 26.26E 7–2 2.0L
THE VI 12 20 55 20.3 38.91N 26.21E 8–1 2.0L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=2.4km s-min=0.8km az=98.0.
ISC VI 12 21 11 10.4–.93 38.91N–.02 26.36E–.02 12–8 77 0-2
ISK VI 12 21 11 08.5 38.82N 26.33E 8–0 2.8L **¶611016977**
DDA VI 12 21 11 09.9–.00 38.91N 26.35E 7–2 2.4L
ATH VI 12 21 11 10.7 38.91N 26.35E 9–1 2.7L
THE VI 12 21 11 11.2 38.91N 26.29E 10–1 2.8L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.6km s-min=1.1km az=269.0. ML Amplitudes are expressed in micrometers.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.6km az=267.0.
ISC VI 12 21 12 10.3–1.0 38.88N–.02 26.22E–.04 10–8 52 0-2
ISK VI 12 21 12 10.2 38.87N 26.25E 9–0 2.8L **¶611016980**
DDA VI 12 21 12 10.1–.00 38.85N 26.22E 7–3 2.6L
THE VI 12 21 12 10.7 38.88N 26.23E 9–1 2.7L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=2.0km s-min=0.7km az=272.0.
ISC VI 12 21 18 02.9–.95 38.87N–.02 26.27E–.02 9–8 70 0-2
DDA VI 12 21 18 01.8–.00 38.85N 26.22E 7–2 2.4L **¶611016982**
ISK VI 12 21 18 01.9 38.82N 26.27E 10–0 2.6L
ATH VI 12 21 18 03.0 38.88N 26.30E 6–2 2.4L
THE VI 12 21 18 03.6 38.87N 26.18E 7–1 2.5L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.3km s-min=1.1km az=269.0. ML Amplitudes are expressed in micrometers.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.6km az=265.0.
ISC VI 12 21 25 50.6–.96 38.97N–.02 26.27E–.03 10–8 46 0-2
ISK VI 12 21 25 50.9 39.01N 26.26E 10–0 2.5L **¶611016984**
DDA VI 12 21 25 50.0–.00 38.95N 26.26E 7–2 2.1L
THE VI 12 21 25 51.0 38.99N 26.26E 8–1 2.2L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.7km az=266.0.
ISC VI 12 21 31 47.9–.94 38.86N–.02 26.30E–.03 16–8 81 0-3
ISK VI 12 21 31 46.9 38.83N 26.31E 15–0 2.9L **¶611016986**
DDA VI 12 21 31 47.5–.00 38.85N 26.26E 7–1 2.4L
THE VI 12 21 31 48.8 38.88N 26.23E 13–0 2.6L
ATH VI 12 21 31 49.2 38.87N 26.17E 9–1 2.7L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.5km az=266.0.
ATH Event type ke. Error ellipse: s-maj=2.2km s-min=0.9km az=271.0. ML Amplitudes are expressed in micrometers.
ISC VI 12 21 47 03.7–1.0 38.84N–.02 26.25E–.03 6–10 44 0-8
DDA VI 12 21 47 02.7–.00 38.83N 26.24E 7–3 2.7L **¶611016993**
THE VI 12 21 47 03.7 38.84N 26.24E 3–8 2.9L
ISK VI 12 21 47 06.5 38.95N 26.16E 16–0 2.6L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=8.1km s-min=0.6km az=270.0.
ISK Event type ke.
ISC VI 12 21 50 03.3–.94 38.86N–.02 26.34E–.03 9–9 62 0-8
DDA VI 12 21 50 02.8–.00 38.85N 26.38E 7–2 2.8L **¶611016994**
THE VI 12 21 50 03.4 38.87N 26.34E 9–2 3.1L
ISK VI 12 21 50 04.1 38.91N 26.27E 16–0 2.9L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=3.0km s-min=0.7km az=274.0.
ISK Event type ke.
ISC VI 12 22 02 56.9–.82 38.95N–.02 26.25E–.03 14–7 70 0-3
THE VI 12 22 02 56.7 38.95N 26.25E 5–1 2.5L **¶611016995**
ISK VI 12 22 02 56.6 38.97N 26.25E 13–0 2.7L
DDA VI 12 22 02 56.3–.00 38.94N 26.26E 7–2 2.3L
ATH VI 12 22 02 57.0 38.95N 26.21E 10–1 2.5L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.4km az=279.0.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.1km s-min=1.0km az=265.0. ML Amplitudes are expressed in micrometers.
ISC VI 12 22 08 22.2–.97 38.88N–.02 26.39E–.04 11–8 39 0-2
ISK VI 12 22 08 21.4 38.90N 26.43E 3–0 2.5L **¶611016997**
DDA VI 12 22 08 21.8–.00 38.87N 26.39E 7–2 2.1L

THE VI 12 22 08 22.9 38.89N 26.35E 13–1 2.4L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.6km az=266.0.
ISC VI 12 22 35 08.7–.87 38.87N–.02 26.41E–.02 14–7 158 0-9
DDA VI 12 22 35 08.3–.00 38.87N 26.42E 7–2 3.1L **¶611016999**
ISK VI 12 22 35 08.7 38.93N 26.44E 16–0 3.5L
ATH VI 12 22 35 08.9 38.87N 26.41E 14–1 3.4L
THE VI 12 22 35 09.0 38.89N 26.40E 12–1 3.6L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.8km s-min=0.7km az=271.0. ML Amplitudes are expressed in micrometers.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.5km az=277.0.
ISC VI 12 22 37 41.5–.91 38.80N–.02 26.34E–.03 11–7 57 0-2
ISK VI 12 22 37 40.8 38.78N 26.34E 9–0 2.8L **¶611017000**
DDA VI 12 22 37 41.3–.00 38.81N 26.36E 7–1 2.6L
THE VI 12 22 37 41.9 38.81N 26.31E 2–1 2.5L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.6km az=244.0.
ISC VI 12 22 45 45.2–.92 38.92N–.02 26.30E–.03 12–8 67 0-3
ISK VI 12 22 45 43.9 38.89N 26.28E 11–0 3.0L **¶611017001**
DDA VI 12 22 45 44.7–.00 38.93N 26.29E 7–2 2.8L
THE VI 12 22 45 45.3 38.93N 26.29E 5–1 2.9L
ATH VI 12 22 45 45.6 38.93N 26.30E 10–1 3.0L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.4km az=273.0.
ATH Event type ke. Error ellipse: s-maj=2.7km s-min=1.1km az=269.0. ML Amplitudes are expressed in micrometers.
ISC VI 12 22 59 58.5–.90 38.90N–.02 26.40E–.02 12–7 66 0-2
ISK VI 12 22 59 56.9 38.86N 26.39E 9–0 2.6L **¶611017003**
DDA VI 12 22 59 58.2–.00 38.89N 26.41E 7–2 2.4L
ATH VI 12 22 59 59.2 38.91N 26.41E 7–2 2.7L
THE VI 12 22 59 59.0 38.91N 26.32E 7–1 2.7L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.8km s-min=1.3km az=260.0. ML Amplitudes are expressed in micrometers.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.6km az=266.0.
ISC VI 12 23 11 59.2–.94 38.97N–.02 26.28E–.03 10–8 65 0-2
ISK VI 12 23 11 58.3 38.95N 26.27E 10–0 2.7L **¶611017004**
DDA VI 12 23 11 58.6–.00 38.95N 26.27E 7–1 2.4L
THE VI 12 23 11 59.5 38.98N 26.20E 6–1 2.5L
ATH VI 12 23 11 59.9 39.02N 26.29E 11–2 2.5L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.6km az=266.0.
ATH Event type ke. Error ellipse: s-maj=3.2km s-min=1.3km az=263.0. ML Amplitudes are expressed in micrometers.
ISC VI 12 23 22 58.0–1.0 38.85N–.03 26.34E–.04 13–9 18 0-1
DDA VI 12 23 22 57.7–.00 38.84N 26.33E 7–1 2.1L **¶617481132**
THE VI 12 23 22 58.2 38.86N 26.32E 10–2 2.3L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=3.3km s-min=0.6km az=280.0.
ISC VI 12 23 29 22.2–.94 38.89N–.02 26.31E–.02 10–8 142 0-9
DDA VI 12 23 29 21.9–.00 38.89N 26.33E 7–1 3.4W **¶611017008**
ISK VI 12 23 29 21.5 38.89N 26.32E 10–0 3.5L
ATH VI 12 23 29 22.6 38.91N 26.33E 10–1 3.2L
THE VI 12 23 29 22.8 38.91N 26.30E 8–1 3.4L
SOF VI 12 23 29 26.6 39.35N 26.26E 8 3.3
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.9km s-min=0.8km az=266.0. ML Amplitudes are expressed in micrometers.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.6km az=276.0.
ISC VI 12 23 53 34.2–1.0 38.93N–.02 26.29E–.03 19–2 48 0-2
ISK VI 12 23 53 33.9 38.93N 26.29E 10–0 2.5L **¶611509465**
DDA VI 12 23 53 33.7–.00 38.92N 26.27E 7–3 2.2L
THE VI 12 23 53 35.3 38.97N 26.25E 13–1 2.4L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=2.4km s-min=1.0km az=265.0.
ISC VI 13 00 23 53.4–.89 38.89N–.02 26.35E–.02 13–7 169 0-9
ISK VI 13 00 23 52.2 38.86N 26.31E 9–0 3.5L **¶611017013**
DDA VI 13 00 23 52.8–.00 38.90N 26.35E 7–2 3.1L
CFUSG VI 13 00 23 53.2 38.91N 26.32E 8 3.1L
THE VI 13 00 23 53.8 38.91N 26.33E 8–0 3.3L
ATH VI 13 00 23 53.5 38.89N 26.36E 12–0 3.2L
ISC Event type ke.
ISK Event type ke.
CFUSG Western Turkey. Magtype MSH 3.2 from 1 stations.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.5km az=269.0.
ATH Event type ke. Error ellipse: s-maj=1.5km s-min=0.7km az=272.0. ML Amplitudes are expressed in micrometers.
ISC VI 13 00 28 36.5–1.0 38.88N–.02 26.25E–.04 8–9 68 0-3
ISK VI 13 00 28 36.1 38.85N 26.30E 12–0 2.9L **¶611017014**
DDA VI 13 00 28 36.5–.00 38.85N 26.25E 7–2 2.6L
THE VI 13 00 28 37.1 38.91N 26.32E 6–1 2.8L
ATH VI 13 00 28 37.2 38.91N 26.34E 7–1 2.7L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.6km az=264.0.
ATH Event type ke. Error ellipse: s-maj=2.4km s-min=0.9km az=266.0. ML Amplitudes are expressed in micrometers.
DDA VI 13 00 30 58.6–.00 38.82N 26.38E 7–2 2.1L
ISK VI 13 00 31 03.5 39.06N 26.23E 22–0 2.1L **¶617196350**
ISK Event type ke.
ISC VI 13 00 31 40.6–.98 38.94N–.02 26.14E–.03 10–9 46 0-2
DDA VI 13 00 31 38.0–.00 38.96N 25.99E 7–3 2.5L **¶611509472**
ATH VI 13 00 31 41.0 38.94N 26.13E 7–2 2.7L
THE VI 13 00 31 41.0 38.94N 26.11E 7–1 2.6L
ISK VI 13 00 31 42.2 39.07N 26.10E 12–0 2.6L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.6km s-min=1.0km az=186.0. ML Amplitudes are expressed in micrometers.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.6km az=49.0.
ISK Event type ke.
ISC VI 13 00 49 31.0–1.0 38.89N–.02 26.33E–.04 10–9 42 0-2
ISK VI 13 00 49 30.4 38.85N 26.33E 8–0 2.6L **¶611017017**
DDA VI 13 00 49 30.3–.00 38.89N 26.30E 7–1 2.1L
THE VI 13 00 49 32.0 38.90N 26.31E 7–1 2.5L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.7km az=265.0.
ISC VI 13 00 56 09.8–.94 38.86N–.02 26.34E–.05 11–9 33 0-2
DDA VI 13 00 56 09.4–.00 38.85N 26.36E 7–1 2.2L **¶611017019**
ISK VI 13 00 56 10.9 38.94N 26.28E 13–0 2.5L
THE VI 13 00 56 10.1 38.87N 26.31E 10–0 2.3L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.5km az=269.0.
DDA VI 13 01 23 31.8–.00 38.92N 26.28E 7–2 1.8L
ISK VI 13 01 23 36.3 39.38N 25.56E 17–0 2.0L **¶617481133**
ISK Event type ke.
ISC VI 13 01 29 20.7–.90 38.84N–.02 26.37E–.02 11–7 124 0-9
DDA VI 13 01 29 20.0–.00 38.83N 26.37E 7–2 3.5W **¶611017021**
ATH VI 13 01 29 20.5 38.85N 26.38E 12–1 3.0L
THE VI 13 01 29 21.1 38.84N 26.33E 8–1 3.1L
ISK VI 13 01 29 21.2 38.88N 26.39E 15–0 3.3L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.3km s-min=0.9km az=272.0. ML Amplitudes are expressed in micrometers.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.5km az=265.0.
ISK Event type ke.
ISC VI 13 01 39 18.8–1.1 38.99N–.02 26.25E–.04 8–10 40 0-2
ISK VI 13 01 39 18.5 38.94N 26.25E 12–0 2.8L **¶611017022**
DDA VI 13 01 39 18.3–.00 38.98N 26.27E 7–1 2.2L
THE VI 13 01 39 19.4 38.99N 26.29E 7–1 2.6L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.7km az=101.0.
ISC VI 13 01 48 53.9–.89 38.81N–.02 26.36E–.03 12–7 52 0-2
ISK VI 13 01 48 53.8 38.81N 26.42E 9–0 2.4L **¶611017023**
THE VI 13 01 48 53.7 38.83N 26.28E 11–0 2.2L
ATH VI 13 01 48 54.1 38.80N 26.40E 8–2 2.3L
DDA VI 13 01 48 54.1–.00 38.80N 26.38E 7–2 2.5L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.4km az=263.0.
ATH Event type ke. Error ellipse: s-maj=3.1km s-min=1.2km az=266.0. ML Amplitudes are expressed in micrometers.
DDA VI 13 01 54 39.1–.00 38.94N 26.30E 7–3 1.5L
¶617481134
ISK VI 13 01 55 31.4 38.85N 25.86E 27–0 2.1L
¶611509485
ISK Event type ke.
DDA VI 13 01 59 21.0–.00 38.90N 26.40E 7–4 1.6L
ISK VI 13 01 59 26.5 39.39N 25.51E 3–0 1.6L **¶611509489**
ISK Event type ke.
DDA VI 13 02 11 01.2–.00 38.81N 26.37E 7–1 1.5L
¶617481135
ISC VI 13 02 18 48.4–.92 38.86N–.02 26.32E–.03 11–7 57 0-2
DDA VI 13 02 18 48.9–.00 38.83N 26.39E 7–1 2.3L **¶611017024**
THE VI 13 02 18 48.8 38.88N 26.33E 8–1 2.5L
ATH VI 13 02 18 49.1 38.89N 26.36E 7–2 2.5L
ISK VI 13 02 18 50.8 39.04N 26.28E 11–0 2.6L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.6km az=268.0.
ATH Event type ke. Error ellipse: s-maj=3.4km s-min=1.2km az=268.0. ML Amplitudes are expressed in micrometers.
ISK Event type ke.
ISC VI 13 02 46 51.6–.00 38.94N–.02 26.20E–.04 10–9 36 0-2
ISK VI 13 02 46 51.5 38.95N 26.21E 9–0 2.5L **¶611017025**
DDA VI 13 02 46 51.1–.00 38.96N 26.28E 7–3 2.3L
THE VI 13 02 46 51.6 38.93N 26.18E 3–1 2.3L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.4km az=275.0.
ISC VI 13 02 52 15.9–.95 38.96N–.02 26.31E–.04 10–10 43 0-3
DDA VI 13 02 52 14.5–.00 38.93N 26.21E 7–1 2.3L **¶611017027**
ISK VI 13 02 52 16.3 38.99N 26.26E 15–0 2.9L
ATH VI 13 02 52 16.1 38.96N 26.32E 8–2 2.6L
THE VI 13 02 52 16.5 38.99N 26.28E 12–1 2.5L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.3km s-min=1.2km az=273.0. ML Amplitudes are expressed in micrometers.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.7km az=273.0.
ISC VI 13 02 52 28.0–1.2 38.94N–.03 26.09E–.05 3–11 26 0-2
THE VI 13 02 52 27.4 38.97N 26.29E 1–1 2.8L **¶617196305**
ISK VI 13 02 52 32.9 39.15N 26.11E 3–0 3.0L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.5km az=207.0.
ISK Event type ke.
ISC VI 13 02 56 41.3–1.0 38.95N–.02 26.26E–.03 10–10 57 0-2
ISK VI 13 02 56 40.9 38.87N 26.23E 9–0 2.9L **¶611017031**
DDA VI 13 02 56 41.2–.00 38.92N 26.27E 7–3 2.7L
ATH VI 13 02 56 41.8 38.90N 26.29E 7–2 2.9L
THE VI 13 02 56 42.5 38.92N 26.20E 12–0 2.8L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Manual Solution by S.Koutrakis ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.5km az=270.0.
ISC VI 13 02 58 07.0–.98 38.87N–.02 26.39E–.03 11–9 37 0-2
ISK VI 13 02 58 06.6 38.93N 26.38E 5–0 2.5L **¶611017032**
DDA VI 13 02 58 07.2–.00 38.82N 26.43E 7–2 2.0L
THE VI 13 02 58 07.0 38.88N 26.39E 8–0 2.4L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.4km az=262.0.
ISC VI 13 03 05 36.3–.91 38.90N–.02 26.33E–.02 12–7 128 0-9
DDA VI 13 03 05 35.9–.00 38.90N 26.33E 7–2 3.5W **¶611017033**
ISK VI 13 03 05 35.4 38.88N 26.30E 12–0 3.6L
THE VI 13 03 05 36.3 38.92N 26.34E 8–1 3.6L
ATH VI 13 03 05 36.3 38.91N 26.34E 11–1 3.2L
SOF VI 13 03 05 39.6 39.20N 26.30E 18 3.4
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.6km az=265.0.
ATH Event type ke. Error ellipse: s-maj=1.6km s-min=0.8km az=269.0. ML Amplitudes are expressed in micrometers.
ISC VI 13 03 19 58.9–.87 38.86N–.02 26.38E–.02 16–6 3.5b,2.9s 197 0-71
NAO VI 13 03 19 32.5 35.08N 24.47E 33 3.7b,2.9s **¶610671359**
IDC VI 13 03 19 56.6–.92 38.81N 26.45E 0 3.6,3.6b
ISK VI 13 03 19 57.8 38.84N 26.40E 10–0 4.0L,3.6b
DDA VI 13 03 19 58.9–.00 38.85N 26.42E 7–4 4.0W,3.6b
THE VI 13 03 19 59.7 38.86N 26.31E 13–0 3.9L,3.6b
ATH VI 13 03 19 59.2 38.86N 26.36E 15 3.9W,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=16.6km s-min=13.6km az=126.0.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.5km az=270.0.
ATH Moment Tensor Solution. s8 Moment tensor: M_{rr}-7.85 $M_{\theta\theta}$9.74 $M_{\phi\phi}$-1.89 $M_{r\theta}$1.98 $M_{\theta\phi}$-3.03 $M_{\phi r}$-1.06 NP1:ϕ_s289.00000°,δ52.00000°,λ-83.00000°. NP2:ϕ_s98.00000°,δ39.00000°,λ-99.00000°.
ISC VI 13 03 21 52.3–.91 38.87N–.02 26.33E–.03 14–7 45 0-2
ISK VI 13 03 21 51.2 38.82N 26.43E 5–0 3.4L **¶611017035**
DDA VI 13 03 21 52.3–.00 38.86N 26.36E 7–1 3.0L
THE VI 13 03 21 53.0 38.91N 26.29E 16–0 3.1L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.5km az=264.0.
ISC VI 13 03 22 52.1–.99 38.88N–.03 26.35E–.05 11–11 26 0-2
DDA VI 13 03 22 51.9–.00 38.87N 26.37E 7–5 2.7L **¶611509503**
ISK VI 13 03 22 54.6 39.02N 26.33E 12–0 2.9L
ISC Event type ke.
ISK Event type ke.
ISC VI 13 03 53 57.0–.99 38.92N–.02 26.31E–.04 9–8 57 0-2
DDA VI 13 03 53 56.7–.00 38.89N 26.33E 7–1 2.7L **¶611017037**
ISK VI 13 03 53 56.5 38.90N 26.29E 10–0 2.8L
THE VI 13 03 53 57.1 38.93N 26.30E 7–0 2.4L
ATH VI 13 03 53 57.4 38.94N 26.32E 7–2 2.6L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.5km az=264.0.
ATH Event type ke. Error ellipse: s-maj=2.8km s-min=1.1km az=275.0. ML Amplitudes are expressed in micrometers.
ISC VI 13 04 15 46.5–.92 38.94N–.02 26.30E–.03 12–8 64 0-2

DDA VI 13 04 15 44.4–.00 38.99N 26.24E 7–2 2.7L ¶611017039
ISK VI 13 04 15 45.4 38.92N 26.28E 5–0 3.1L
THE VI 13 04 15 46.7 38.97N 26.30E 7–0 2.9L
ATH VI 13 04 15 47.1 38.98N 26.32E 7–2 2.9L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.5km az=265.0.
ATH Event type ke. Error ellipse: s-maj=3.2km s-min=1.2km az=265.0. ML Amplitudes are expressed in micrometers.
ISC VI 13 04 39 12.0–1.0 38.80N–.02 26.42E–.03 12–8 75 0-2
ISK VI 13 04 39 10.3 38.74N 26.52E 9–0 3.0L ¶611017041
DDA VI 13 04 39 11.3–.00 38.80N 26.35E 7–4 2.9L
THE VI 13 04 39 12.2 38.80N 26.38E 9–0 2.8L
ATH VI 13 04 39 12.3 38.81N 26.44E 8–3 2.8L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.4km az=267.0.
ATH Event type ke. Error ellipse: s-maj=4.0km s-min=1.4km az=264.0. ML Amplitudes are expressed in micrometers.
DDA VI 13 05 08 23.4–.00 38.94N 26.25E 7–2 1.7L
¶612624977
ISC VI 13 05 16 27.2–.88 38.80N–.02 26.45E–.02 12–7 99 0-9
DDA VI 13 05 16 26.9–.00 38.80N 26.45E 7–2 3.2L ¶611017043
ISK VI 13 05 16 26.5 38.79N 26.47E 9–0 3.7L
ATH VI 13 05 16 27.0 38.80N 26.49E 8–1 3.3L
THE VI 13 05 16 27.2 38.80N 26.45E 6–2 3.4L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.6km s-min=1.1km az=264.0. ML Amplitudes are expressed in micrometers.
THE Event type ke. Error ellipse: s-maj=2.3km s-min=0.5km az=259.0.
ISC VI 13 05 21 02.4–.90 38.81N–.02 26.46E–.02 11–7 65 0-2
ATH VI 13 05 21 02.4 38.81N 26.48E 7–1 2.8L ¶611017044
THE VI 13 05 21 02.9 38.80N 26.39E 8–1 3.0L
DDA VI 13 05 21 02.1–.00 38.79N 26.45E 7–2 2.8L
ISK VI 13 05 21 03.5 38.89N 26.42E 12–0 3.2L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.7km s-min=1.0km az=266.0. ML Amplitudes are expressed in micrometers.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.5km az=267.0.
ISK Event type ke.
ISC VI 13 05 29 50.7–1.2 38.81N–.02 26.46E–.02 8–10 76 0-3
DDA VI 13 05 29 51.3–.00 38.80N 26.45E 7–5 3.0L ¶611017045
ATH VI 13 05 29 51.1 38.79N 26.52E 10–2 3.0L
THE VI 13 05 29 52.1 38.82N 26.41E 10–0 3.1L
ISK VI 13 05 29 52.7 38.89N 26.46E 10–0 3.0L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.8km s-min=1.1km az=268.0. ML Amplitudes are expressed in micrometers.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.4km az=272.0.
ISK Event type ke.
ISC VI 13 05 31 42.8–.89 38.95N–.02 26.16E–.02 13–7 114 0-8
ISK VI 13 05 31 42.7 38.99N 26.21E 7–0 3.0L ¶611017046
ATH VI 13 05 31 42.9 38.95N 26.18E 14–1 3.3L
THE VI 13 05 31 42.7 38.94N 26.17E 9–0 3.4L
DDA VI 13 05 31 42.2–.00 38.94N 26.17E 7–2 3.5W
SOF VI 13 05 31 43.2 39.22N 26.16E 2 3.5
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.8km s-min=1.0km az=99.0. ML Amplitudes are expressed in micrometers.
THE Event type ke. Error ellipse: s-maj=0.8km s-min=0.4km az=264.0.
ISC VI 13 05 43 40.0–.95 38.90N–.02 26.31E–.03 11–8 54 0-3
DDA VI 13 05 43 39.7–.00 38.90N 26.34E 7–3 2.1L ¶611017048
ISK VI 13 05 43 39.5 38.87N 26.28E 12–0 2.6L
THE VI 13 05 43 40.4 38.92N 26.31E 6–0 2.3L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.5km az=268.0.
ISC VI 13 06 03 34.4–1.1 38.88N–.02 26.38E–.03 5–10 38 0-2
ISK VI 13 06 03 33.8 38.91N 26.34E 2–1 2.5L ¶611017049
THE VI 13 06 03 34.4 38.89N 26.33E 0–1 1.6L
DDA VI 13 06 03 34.1–.00 38.86N 26.40E 7–2 1.7L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.5km az=87.0.
ISC VI 13 06 44 26.0–1.0 38.96N–.02 26.30E–.04 10–8 48 0-2
ISK VI 13 06 44 25.0 38.94N 26.28E 10–0 2.6L ¶611017051
ATH VI 13 06 44 26.4 38.96N 26.28E 8–1 2.3L
THE VI 13 06 44 26.0 38.96N 26.27E 7–0 2.4L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.7km s-min=1.3km az=264.0. ML Amplitudes are expressed in micrometers.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.5km az=266.0.
ISC VI 13 06 57 36.3–.95 38.96N–.02 26.27E–.03 12–8 61 0-2
ISK VI 13 06 57 35.8 38.97N 26.28E 10–0 3.2L ¶611017053
THE VI 13 06 57 36.9 38.99N 26.25E 8–0 2.8L
ATH VI 13 06 57 36.4 38.98N 26.32E 14–1 2.8L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.6km az=264.0.
ATH Event type ke. Error ellipse: s-maj=3.8km s-min=1.2km az=90.0. ML Amplitudes are expressed in micrometers.
ISC VI 13 07 03 05.0–1.0 38.95N–.02 26.24E–.03 8–9 59 0-2
DDA VI 13 07 03 04.6–.00 38.95N 26.24E 7–3 2.3L ¶611017054
THE VI 13 07 03 05.6 38.97N 26.26E 6–0 2.2L
ISK VI 13 07 03 05.0 38.96N 26.25E 10–0 2.5L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.6km az=269.0.
ISK Event type ke.
ISC VI 13 07 04 23.2–.98 38.87N–.02 26.40E–.04 13–8 40 0-1
DDA VI 13 07 04 23.0–.00 38.88N 26.40E 7–2 2.1L ¶611017055
ISK VI 13 07 04 23.1 38.87N 26.41E 12–0 2.5L
THE VI 13 07 04 24.1 38.88N 26.41E 13–1 2.0L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=2.4km s-min=0.6km az=269.0.
ISC VI 13 07 31 08.7–.99 38.85N–.02 26.31E–.03 8–9 48 0-2
DDA VI 13 07 31 08.5–.00 38.85N 26.35E 7–2 2.4L ¶611017056
ISK VI 13 07 31 08.6 38.85N 26.32E 5–0 2.5L
THE VI 13 07 31 09.4 38.87N 26.27E 8–1 2.3L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=2.2km s-min=0.8km az=267.0.
ISC VI 13 09 48 59.7–.96 38.90N–.02 26.37E–.02 9–9 132 0-4
ISK VI 13 09 48 59.6 38.88N 26.34E 9–0 3.3L ¶611017067
DDA VI 13 09 48 59.7–.00 38.86N 26.36E 8–2 3.1L
ATH VI 13 09 49 00.2 38.87N 26.38E 11–1 3.0L
THE VI 13 09 49 00.3 38.87N 26.34E 6–1 3.0L
SOF VI 13 09 49 02.2 39.24N 26.31E 2 3.1
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.9km s-min=0.9km az=277.0. ML Amplitudes are expressed in micrometers.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.5km az=245.0.
ISC VI 13 10 03 32.5–.89 38.80N–.02 26.39E–.03 11–7 67 0-2
ISK VI 13 10 03 32.1 38.80N 26.39E 10–0 2.8L ¶611017068
DDA VI 13 10 03 32.3–.00 38.81N 26.41E 7–2 2.5L
THE VI 13 10 03 32.6 38.80N 26.41E 9–2 2.5L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=2.3km s-min=0.7km az=286.0.
ISC VI 13 10 16 45.5–.98 38.87N–.02 26.34E–.03 9–8 61 0-2
ISK VI 13 10 16 45.0 38.84N 26.26E 8–0 2.6L ¶611017070
DDA VI 13 10 16 45.3–.00 38.87N 26.36E 7–3 2.1L
THE VI 13 10 16 46.0 38.89N 26.35E 7–2 2.3L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=2.4km s-min=0.8km az=31.0.
ISC VI 13 10 27 55.1–.93 38.86N–.02 26.34E–.02 11–8 85 0-2
ISK VI 13 10 27 54.4 38.86N 26.32E 10–0 3.2L ¶611017072
DDA VI 13 10 27 54.7–.00 38.86N 26.35E 7–3 2.8L
THE VI 13 10 27 55.3 38.89N 26.36E 5–1 2.9L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.6km az=257.0.
ISC VI 13 11 09 27.5–.88 38.86N–.02 26.44E–.02 14–7 89 0-3
ISK VI 13 11 09 26.7 38.86N 26.45E 9–0 3.1L ¶611017075
DDA VI 13 11 09 26.9–.00 38.88N 26.43E 4–2 3.0L
ATH VI 13 11 09 27.4 38.86N 26.48E 14–2 3.0L
THE VI 13 11 09 27.6 38.86N 26.44E 7–1 3.1L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.3km s-min=1.0km az=272.0. ML Amplitudes are expressed in micrometers.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.4km az=264.0.
ISC VI 13 11 11 23.3–.91 38.79N–.02 26.49E–.03 10–7 63 0-2
ISK VI 13 11 11 22.0 38.81N 26.54E 1–0 3.2L ¶611017076
DDA VI 13 11 11 23.0–.00 38.79N 26.48E 7–27 3.1L
THE VI 13 11 11 23.4 38.80N 26.45E 7–1 3.1L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.5km az=233.0.
ISC VI 13 11 32 24.3–1.0 38.82N–.03 26.49E–.05 11–9 26 0-2
ISK VI 13 11 32 23.2 38.87N 26.74E 14–0 2.5L ¶617196383
DDA VI 13 11 32 25.2–.00 38.78N 26.39E 7–2 2.2L
ISC Event type ke.
ISK Event type ke.
ISC VI 13 11 47 13.9–1.1 38.86N–.02 26.23E–.04 7–10 37 0-2
ISK VI 13 11 47 13.7 38.86N 26.22E 9–0 2.5L ¶611017081
THE VI 13 11 47 13.8 38.86N 26.26E 2–2 2.2L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=2.1km s-min=0.5km az=104.0.
ISC VI 13 12 03 42.0–.93 38.86N–.01 26.40E–.02 18–3 114 0-7
ISK VI 13 12 03 41.1 38.78N 26.19E 11–0 3.4L ¶611017082
DDA VI 13 12 03 41.8–.00 38.87N 26.42E 11–3 3.6W
THE VI 13 12 03 42.5 38.89N 26.41E 12–4 3.4L
ATH VI 13 12 03 42.8 38.87N 26.36E 12–1 3.3L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=4.1km s-min=0.5km az=273.0.
ATH Event type ke. Error ellipse: s-maj=2.0km s-min=1.0km az=274.0. ML Amplitudes are expressed in micrometers.
ISC VI 13 12 32 08.1–1.2 38.91N–.04 26.29E–.05 11–12 19 0-2
ISK VI 13 12 32 08.0 38.91N 26.29E 7–0 2.5L ¶611509552
DDA VI 13 12 32 09.1–.00 38.88N 26.40E 7–2 1.8L
ISC Event type ke.
ISK Event type ke.
ISC VI 13 13 11 44.9–.92 38.88N–.02 26.37E–.02 12–7 73 0-2
DDA VI 13 13 11 44.5–.00 38.87N 26.38E 7–2 2.8L ¶611017086
ISK VI 13 13 11 44.1 38.87N 26.37E 12–0 3.0L
THE VI 13 13 11 44.7 38.88N 26.38E 2–5 2.7L
ATH VI 13 13 11 45.4 38.90N 26.37E 10–2 2.7L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=5.3km s-min=0.5km az=210.0.
ATH Event type ke. Error ellipse: s-maj=3.0km s-min=1.1km az=269.0. ML Amplitudes are expressed in micrometers.
ISC VI 13 13 27 34.2–.91 38.85N–.02 26.38E–.04 14–8 32 0-1
ISK VI 13 13 27 33.5 38.86N 26.41E 12–0 2.6L ¶611509560
DDA VI 13 13 27 34.1–.00 38.85N 26.39E 7–3 2.1L
THE VI 13 13 27 34.2 38.85N 26.38E 5–7 2.2L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=7.1km s-min=0.5km az=255.0.
ISC VI 13 13 47 54.4–.86 38.87N–.01 26.44E–.02 15–7 112 0-7
DDA VI 13 13 47 53.9–.00 38.86N 26.45E 10–2 3.5W ¶611017090
ISK VI 13 13 47 53.8 38.87N 26.43E 11–0 3.3L
ATH VI 13 13 47 54.9 38.87N 26.42E 11–2 3.1L
THE VI 13 13 47 54.3 38.86N 26.44E 9–3 3.2L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.6km s-min=0.9km az=276.0. ML Amplitudes are expressed in micrometers.
THE Event type ke. Error ellipse: s-maj=3.6km s-min=0.4km az=269.0.
ISC VI 13 13 52 00.2–.97 38.89N–.02 26.32E–.03 9–8 66 0-2
DDA VI 13 13 51 59.0–.00 38.88N 26.38E 10–13 2.2L ¶611017091
THE VI 13 13 52 00.8 38.89N 26.30E 5–1 2.3L
ISK VI 13 13 52 00.2 38.86N 26.27E 9–0 2.7L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.5km az=234.0.
ISK Event type ke.
ISC VI 13 13 59 34.2–.94 38.91N–.02 26.25E–.03 13–9 40 0-2
DDA VI 13 13 59 33.9–.00 38.90N 26.26E 7–3 2.1L ¶611017092
ISK VI 13 13 59 34.0 38.93N 26.26E 8–0 2.7L
THE VI 13 13 59 34.1 38.90N 26.26E 6–2 2.3L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=2.1km s-min=0.5km az=299.0.
ISC VI 13 14 01 55.9–.94 38.88N–.02 26.35E–.03 11–8 50 0-2
ISK VI 13 14 01 55.4 38.88N 26.34E 10–0 2.7L ¶611017096
DDA VI 13 14 01 55.5–.00 38.88N 26.36E 7–4 2.2L
THE VI 13 14 01 56.0 38.91N 26.37E 2–6 2.6L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=6.0km s-min=0.5km az=193.0.
ISC VI 13 15 18 31.8–.90 38.87N–.01 26.27E–.02 12–7 95 0-2
ISK VI 13 15 18 31.5 38.87N 26.25E 12–0 3.1L ¶611017107
ATH VI 13 15 18 32.0 38.86N 26.30E 11–1 2.9L
DDA VI 13 15 18 31.8–.00 38.87N 26.32E 7–2 3.0L
THE VI 13 15 18 32.2 38.87N 26.21E 8–1 3.0L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.4km s-min=0.9km az=270.0. ML Amplitudes are expressed in micrometers.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.7km az=77.0.
ISC VI 13 15 26 50.3–.95 38.91N–.02 26.35E–.02 9–8 85 0-2
DDA VI 13 15 26 49.8–.00 38.91N 26.35E 7–2 2.7L ¶611017108
ISK VI 13 15 26 49.8 38.89N 26.33E 8–0 2.6L
ATH VI 13 15 26 50.7 38.92N 26.34E 12–1 2.3L
THE VI 13 15 26 50.7 38.92N 26.34E 8–1 2.5L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.1km s-min=1.2km az=80.0. ML Amplitudes are expressed in micrometers.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.5km az=279.0.
ISC VI 13 15 29 35.6–.92 38.86N–.02 26.45E–.03 11–8 54 0-2
THE VI 13 15 29 35.9 38.87N 26.44E 8–1 2.6L ¶611509575
ISK VI 13 15 29 35.4 38.86N 26.43E 10–0 2.6L
DDA VI 13 15 29 35.4–.00 38.86N 26.49E 7–2 2.5L

ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.5km az=280.0.
ISK Event type ke.
ISC VI 13 16 21 32.9–.96 38.91N–.01 26.38E–.02 8–8 88 0-2
DDA VI 13 16 21 32.7–.00 38.91N 26.37E 7–3 2.9L **¶611017113**
ISK VI 13 16 21 32.7 38.91N 26.37E 9–0 2.9L
THE VI 13 16 21 33.3 38.92N 26.35E 4–1 2.7L
ATH VI 13 16 21 33.6 38.91N 26.33E 8–1 2.5L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.6km az=293.0.
ATH Event type ke. Error ellipse: s-maj=2.5km s-min=0.9km az=270.0. ML Amplitudes are expressed in micrometers.
ISC VI 13 17 04 24.7–.99 38.88N–.02 26.37E–.03 9–9 59 0-2
ISK VI 13 17 04 24.6 38.87N 26.38E 14–0 2.7L **¶611017118**
DDA VI 13 17 04 24.6–.00 38.87N 26.42E 7–3 2.7L
THE VI 13 17 04 25.3 38.88N 26.38E 6–3 2.3L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=3.3km s-min=0.7km az=268.0.
ISC VI 13 17 54 02.5–.90 38.86N–.02 26.28E–.02 14–7 78 0-2
DDA VI 13 17 54 02.4–.00 38.87N 26.34E 7–2 2.7L **¶611017121**
ISK VI 13 17 54 02.0 38.86N 26.31E 10–0 2.7L
THE VI 13 17 54 02.5 38.85N 26.26E 10–1 2.6L
ATH VI 13 17 54 02.7 38.85N 26.29E 13–1 2.6L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.5km az=46.0.
ATH Event type ke. Error ellipse: s-maj=2.6km s-min=1.2km az=271.0. ML Amplitudes are expressed in micrometers.
ISC VI 13 19 09 29.1–.90 38.87N–.01 26.36E–.02 11–7 194 0-9
DDA VI 13 19 09 28.4–.00 38.87N 26.33E 8–2 3.6W **¶611017122**
ISK VI 13 19 09 28.4 38.87N 26.29E 9–0 3.7L
THE VI 13 19 09 29.1 38.88N 26.36E 6–0 3.5L
ATH VI 13 19 09 29.5 38.87N 26.35E 10–1 3.1L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=0.9km s-min=0.3km az=298.0.
ATH Event type ke. Error ellipse: s-maj=2.3km s-min=1.0km az=274.0. ML Amplitudes are expressed in micrometers.
ISC VI 13 19 30 39.8–.96 38.86N–.02 26.26E–.02 8–9 85 0-2
ISK VI 13 19 30 39.7 38.88N 26.28E 8–0 2.6L **¶611017123**
DDA VI 13 19 30 39.5–.00 38.87N 26.28E 7–3 2.3L
ATH VI 13 19 30 39.9 38.86N 26.27E 9–1 2.3L
THE VI 13 19 30 40.2 38.87N 26.25E 4–5 2.4L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Manual Solution by G.Panopoulou ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 1 km.
THE Event type ke. Error ellipse: s-maj=5.8km s-min=0.5km az=266.0.
DDA VI 13 19 39 42.4–.00 38.91N 26.30E 7–2 1.3L
¶612625088
ISC VI 13 20 15 55.9–.88 38.96N–.02 26.19E–.02 15–7 76 0-2
ATH VI 13 20 15 55.4 38.95N 26.23E 9–2 2.3L **¶611017124**
DDA VI 13 20 15 56.1–.00 38.95N 26.19E 7–3 2.4L
ISK VI 13 20 15 56.1 38.96N 26.15E 9–0 2.5L
THE VI 13 20 15 57.1 38.96N 26.12E 8–1 2.3L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.5km s-min=1.1km az=284.0. ML Amplitudes are expressed in micrometers.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.7km az=57.0.
ISC VI 13 20 40 37.0–.99 38.94N–.02 26.32E–.03 8–9 61 0-2
ISK VI 13 20 40 36.9 38.93N 26.30E 8–0 2.5L **¶611017125**
DDA VI 13 20 40 36.5–.00 38.93N 26.33E 7–2 2.2L
THE VI 13 20 40 37.5 38.95N 26.31E 8–1 2.3L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.7km az=55.0.
ISC VI 13 20 54 46.8–1.0 38.87N–.02 26.32E–.03 7–9 52 0-2
DDA VI 13 20 54 46.7–.00 38.86N 26.37E 7–3 2.0L **¶611017126**
ISK VI 13 20 54 46.9 38.87N 26.32E 7–0 2.5L
THE VI 13 20 54 47.6 38.88N 26.31E 8–1 2.2L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.6km az=274.0.
ISC VI 13 21 37 26.8–.93 38.93N–.02 26.36E–.02 10–8 83 0-2
DDA VI 13 21 37 26.3–.00 38.90N 26.34E 7–3 2.4L **¶611017128**
THE VI 13 21 37 26.9 38.93N 26.39E 6–5 2.3L
ISK VI 13 21 37 26.5 38.90N 26.30E 7–0 2.5L
ATH VI 13 21 37 27.5 38.96N 26.38E 10–1 2.3L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=5.7km s-min=0.5km az=271.0.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.2km s-min=0.9km az=260.0. ML Amplitudes are expressed in micrometers.
DDA VI 13 23 46 21.3–.00 38.90N 26.46E 7–2 1.3L
¶612625142
ISC VI 14 00 11 38.0–1.1 38.92N–.02 26.30E–.03 4–10 57 0-2
ISK VI 14 00 11 37.9 38.90N 26.31E 8–0 2.5L **¶617196322**
DDA VI 14 00 11 37.3–.00 38.91N 26.29E 7–3 2.2L
ATH VI 14 00 11 38.9 38.93N 26.37E 9–2 2.2L
THE VI 14 00 11 39.0 38.94N 26.31E 7–1 2.2L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=4.2km s-min=1.3km az=271.0. ML Amplitudes are expressed in micrometers.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.6km az=274.0.
ISC VI 14 00 36 30.9–.93 38.78N–.02 26.45E–.02 13–8 83 0-2
ISK VI 14 00 36 30.4 38.77N 26.44E 10–0 2.4L **¶611017140**
DDA VI 14 00 36 30.7–.00 38.77N 26.47E 12–3 2.5L
THE VI 14 00 36 31.0 38.77N 26.41E 2–3 2.6L
ATH VI 14 00 36 31.5 38.77N 26.44E 10–2 2.6L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=3.9km s-min=0.6km az=258.0.
ATH Event type ke. Error ellipse: s-maj=3.0km s-min=1.1km az=265.0. ML Amplitudes are expressed in micrometers.
ISC VI 14 01 58 46.2–.94 38.94N–.01 26.21E–.02 13–8 93 0-3
ISK VI 14 01 58 46.0 38.92N 26.20E 12–0 3.2L **¶611017144**
DDA VI 14 01 58 46.3–.00 38.91N 26.24E 7–3 3.1L
THE VI 14 01 58 46.6 38.93N 26.20E 1–1 3.1L
ATH VI 14 01 58 47.1 38.93N 26.21E 9–1 3.0L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.4km az=289.0.
ATH Event type ke. Error ellipse: s-maj=2.4km s-min=1.0km az=269.0. ML Amplitudes are expressed in micrometers.
ISC VI 14 04 14 37.0–.92 38.88N–.02 26.39E–.02 10–8 79 0-3
ISK VI 14 04 14 36.3 38.86N 26.33E 14–0 3.4L **¶611017151**
DDA VI 14 04 14 36.6–.00 38.88N 26.41E 7–2 3.3L
ATH VI 14 04 14 37.9 38.91N 26.39E 10–2 2.9L
THE VI 14 04 14 37.0 38.88N 26.37E 2–2 3.0L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.2km s-min=1.2km az=272.0. ML Amplitudes are expressed in micrometers.
THE Event type ke. Error ellipse: s-maj=2.6km s-min=0.5km az=250.0.
ISC VI 14 04 17 28.7–1.0 38.97N–.02 26.24E–.03 9–10 46 0-2
ISK VI 14 04 17 28.3 38.95N 26.19E 8–0 2.5L **¶611017152**
DDA VI 14 04 17 28.7–.00 38.97N 26.26E 7–2 2.3L
THE VI 14 04 17 29.6 38.99N 26.23E 9–1 2.1L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.9km az=61.0.
ISC VI 14 04 24 15.0–.89 38.95N–.02 26.25E–.02 13–7 142 0-8
DDA VI 14 04 24 14.4–.00 38.96N 26.26E 7–3 3.7W **¶611017154**
ISK VI 14 04 24 14.4 38.93N 26.23E 13–0 3.6L
THE VI 14 04 24 15.2 38.97N 26.24E 4–1 3.4L
ATH VI 14 04 24 15.1 38.94N 26.26E 9–1 3.1L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.6km az=274.0.
ATH Event type ke. Error ellipse: s-maj=2.0km s-min=1.0km az=274.0. ML Amplitudes are expressed in micrometers.
ISC VI 14 04 35 55.5–.64 38.86N–.01 26.42E–.02 16–4 4.0b,3.2s 414 0-118
NAO VI 14 04 35 46.3 38.48N 29.82E 33 3.9b,3.2s **¶610673016**
IDC VI 14 04 35 52.9–.57 38.80N 26.52E 0 3.9,3.9b
ISK VI 14 04 35 54.2 38.85N 26.34E 16–0 4.2L,3.9b
MOS VI 14 04 35 54.6–1.0 38.95N 26.49E 17 4.3b,3.9b
DDA VI 14 04 35 54.9–.00 38.86N 26.39E 12–2 4.4W,3.9b
MCSM VI 14 04 35 55.8–.40 39N–3.0 26E–3.0 10–2 4.4b,3.9b
THE VI 14 04 35 55.9 38.86N 26.35E 10–1 3.9L,3.9b
MED_R VI 14 04 35 55.0–.50 38.90N 26.71E 12–2 4.3W,3.9b
ATH VI 14 04 35 56.7 38.88N 26.33E 16 4.2W,3.9b
NEIC VI 14 04 35 56.5–1.5 38.87N–.05 26.40E–.06 18–5 4.3b,3.9b
SOF VI 14 04 35 58.0 39.27N 26.35E 2 4.3,3.9b
ISC Event type ke.
IDC Error ellipse: s-maj=11.6km s-min=10.1km az=143.0.
ISK Event type ke.
MOS Error ellipse: s-maj=6.3km s-min=3.9km az=81.7.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.6km az=334.0.
MED_R Error ellipse: s-maj=8.9km s-min=2.2km az=-1.0. nsta1 refers to body waves. nsta2 refers to surface waves, cutoff=35s. Moment Tensor Solution. Mantle waves: s12,c17;Duration: 1s0 Moment tensor: Scale 10^{15}Nm; M_{rr}-2.30±.48 $M_{\theta\theta}$3.14±.32; $M_{\phi\phi}$-0.84±.25; $M_{r\theta}$1.79±.61; $M_{\theta\phi}$-0.37±.17; $M_{\phi r}$-2.00±.94; Best double couple: NP1:ϕ_s304.00000°,δ69.00000°,λ-62.00000°. NP2:ϕ_s68.00000°,δ34.00000°,λ-141.00000°. Principal axes: T 3.8800,Plg20.0000° ,Azm13.0000°; N 0.0500,Plg26.0000°,Azm113.0000°; P -3.9300,Plg57.0000°,Azm250.0000° $M_0 3.91000\times10^{15}$
ATH Moment Tensor Solution. s9 Moment tensor: M_{rr}-1.74 $M_{\theta\theta}$2.45 $M_{\phi\phi}$-0.71 $M_{r\theta}$0.47 $M_{\theta\phi}$-0.91 $M_{\phi r}$-0.87 NP1:ϕ_s77.00000°,δ44.00000°,λ-133.00000°. NP2:ϕ_s310.00000°,δ60.00000° ,λ-57.00000°.
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=6.7km az=122.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 14 05 15 20.6–.88 38.87N–.02 26.43E–.02 14–7 78 0-2
ISK VI 14 05 15 19.9 38.86N 26.40E 15–0 3.0L **¶611017155**
DDA VI 14 05 15 20.1–.00 38.87N 26.43E 7–2 3.0L
ATH VI 14 05 15 20.6 38.86N 26.48E 11–2 2.9L
THE VI 14 05 15 21.1 38.87N 26.41E 10–2 3.0L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.6km s-min=1.0km az=272.0. ML Amplitudes are expressed in micrometers.
THE Event type ke. Error ellipse: s-maj=3.0km s-min=0.7km az=277.0.
DDA VI 14 07 11 21.6–.00 38.86N 26.42E 7–1 1.7L
ISK VI 14 07 11 21.5 38.87N 26.41E 16–0 2.0L **¶617196343**
ISK Event type ke.
ISC VI 14 07 28 18.1–.95 38.87N–.02 26.34E–.03 10–8 62 0-3
DDA VI 14 07 28 17.8–.00 38.87N 26.39E 7–2 2.2L **¶616639685**
ISK VI 14 07 28 17.7 38.84N 26.29E 16–0 2.6L
THE VI 14 07 28 18.4 38.88N 26.33E 1–2 2.1L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=2.3km s-min=0.6km az=92.0.
ISK VI 14 07 39 14.3 38.94N 26.15E 16–0 1.9L
DDA VI 14 07 39 13.5–.00 38.94N 26.09E 7–2 1.5L **¶611509684**
ISK Event type ke.
ISC VI 14 10 14 21.2–.91 38.88N–.02 26.47E–.02 12–8 91 0-2
DDA VI 14 10 14 20.9–.00 38.87N 26.47E 7–2 2.6L **¶611017170**
ISK VI 14 10 14 20.6 38.87N 26.44E 10–0 2.8L
THE VI 14 10 14 21.0 38.87N 26.46E 3–2 2.8L
ATH VI 14 10 14 21.3 38.88N 26.49E 11–2 2.8L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=2.3km s-min=0.6km az=189.0.
ATH Event type ke. Error ellipse: s-maj=3.6km s-min=1.3km az=270.0. ML Amplitudes are expressed in micrometers.
ISC VI 14 10 51 15.6–.97 38.88N–.02 26.35E–.03 11–9 60 0-4
ISK VI 14 10 51 14.3 38.86N 26.29E 11–0 3.4L **¶611017173**
THE VI 14 10 51 15.6 38.88N 26.36E 6–1 3.0L
ATH VI 14 10 51 15.8 38.87N 26.34E 9–2 2.9L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.6km az=311.0.
ATH Event type ke. Error ellipse: s-maj=3.3km s-min=1.1km az=271.0. ML Amplitudes are expressed in micrometers.
ISC VI 14 11 39 26.3–.96 38.92N–.02 26.32E–.02 9–8 69 0-2
ISK VI 14 11 39 25.6 38.92N 26.31E 9–0 2.8L **¶611017175**
DDA VI 14 11 39 25.6–.00 38.91N 26.32E 7–2 2.6L
ATH VI 14 11 39 26.5 38.92N 26.33E 8–2 2.5L
THE VI 14 11 39 26.6 38.95N 26.35E 6–1 2.7L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.5km s-min=1.2km az=270.0. ML Amplitudes are expressed in micrometers.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.6km az=353.0.
ISC VI 14 11 42 35.5–.93 38.93N–.02 26.14E–.03 14–8 62 0-2
ISK VI 14 11 42 34.8 38.94N 26.15E 12–0 2.9L **¶611017176**
DDA VI 14 11 42 35.0–.00 38.92N 26.15E 7–2 2.7L
ATH VI 14 11 42 35.5 38.91N 26.11E 8–3 2.7L
THE VI 14 11 42 36.1 38.96N 26.14E 11–1 2.8L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.3km s-min=1.4km az=286.0. ML Amplitudes are expressed in micrometers.
THE Event type ke. Error ellipse: s-maj=2.1km s-min=0.9km az=87.0.
ISC VI 14 15 02 54.1–.86 38.85N–.02 26.15E–.02 17–7 78 0-2
ISK VI 14 15 02 53.1 38.81N 26.06E 12–0 3.2L **¶611017191**
DDA VI 14 15 02 53.8–.00 38.86N 26.17E 7–2 2.7L
THE VI 14 15 02 54.4 38.86N 26.19E 6–1 2.7L
ATH VI 14 15 02 54.2 38.84N 26.16E 16–1 2.7L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.5km az=73.0.
ATH Event type ke. Error ellipse: s-maj=1.8km s-min=0.8km az=94.0. ML Amplitudes are expressed in micrometers.
ISC VI 14 15 41 48.0–.92 38.97N–.02 26.24E–.02 11–8 85 0-3
ISK VI 14 15 41 47.4 38.97N 26.25E 10–0 2.9L **¶611017194**
DDA VI 14 15 41 47.3–.00 38.95N 26.28E 7–1 2.8L
ATH VI 14 15 41 48.2 38.97N 26.24E 10–1 2.7L
THE VI 14 15 41 48.2 38.98N 26.25E 4–1 2.8L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.7km s-min=1.0km az=276.0. ML Amplitudes are expressed in micrometers.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.6km az=66.0.
ISC VI 14 16 09 25.5–.97 38.90N–.02 26.26E–.03 11–8 48 0-2
DDA VI 14 16 09 24.6–.00 38.90N 26.24E 7–3 2.1L **¶611017197**
ISK VI 14 16 09 25.3 38.88N 26.27E 8–0 2.5L
THE VI 14 16 09 26.0 38.92N 26.30E 9–1 2.1L

ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.6km az=8.0.
ISC VI 14 17 01 44.8–.92 38.92N–.02 26.33E–.03 11–8 65 0-2
DDA VI 14 17 01 43.7–.00 38.93N 26.27E 7–2 2.7L ¶611017199
ISK VI 14 17 01 44.6 38.91N 26.29E 13–0 2.7L
ATH VI 14 17 01 45.0 38.92N 26.34E 7–2 2.4L
THE VI 14 17 01 45.0 38.93N 26.32E 11–1 2.6L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.5km s-min=1.2km az=274.0. ML Amplitudes are expressed in micrometers.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.7km az=315.0.
ISC VI 14 20 35 15.0–.94 38.96N–.02 26.27E–.02 12–7 3.1b 172 0-41
IDC VI 14 20 35 12.5–1.8 38.80N 26.12E 0 3.5L,3.2s ¶610674293
ISK VI 14 20 35 14.7 38.99N 26.28E 9–0 3.6L,3.2s
DDA VI 14 20 35 14.8–.00 38.98N 26.27E 3–2 3.5L,3.2s
THE VI 14 20 35 15.0 38.96N 26.26E 2–1 3.5L,3.2s
ATH VI 14 20 35 15.5 38.97N 26.29E 10–1 3.4L,3.2s
SOF VI 14 20 35 17.9 39.33N 26.21E 2 3.5,3.2s
ISC Event type ke.
IDC Error ellipse: s-maj=26.6km s-min=19.0km az=27.0.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.6km az=293.0.
ATH Event type ke. Error ellipse: s-maj=1.9km s-min=1.0km az=264.0. ML Amplitudes are expressed in micrometers.
ISC VI 14 20 51 25.2–.95 38.94N–.02 26.23E–.02 12–8 151 0-9
DDA VI 14 20 51 19.8–.00 38.83N 25.88E 13–4 3.7W ¶611017204
ISK VI 14 20 51 24.4 38.93N 26.20E 12–0 3.6L
ATH VI 14 20 51 26.0 38.94N 26.19E 10–1 3.3L
THE VI 14 20 51 25.1 38.95N 26.25E 9–1 3.4L
SOF VI 14 20 51 27.7 39.23N 26.22E 10 3.4
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.6km s-min=0.8km az=97.0. ML Amplitudes are expressed in micrometers.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.7km az=36.0.
ISC VI 14 21 27 55.6–1.0 38.86N–.02 26.36E–.02 6–9 73 0-3
DDA VI 14 21 27 55.1–.00 38.86N 26.40E 7–2 2.3L ¶612625249
ISK VI 14 21 27 55.2 38.86N 26.32E 7–0 2.6L
THE VI 14 21 27 55.7 38.87N 26.35E 1–2 2.2L
ATH VI 14 21 27 56.8 38.87N 26.32E 7–3 2.1L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=2.6km s-min=0.7km az=258.0.
ATH Event type ke. Error ellipse: s-maj=4.4km s-min=1.1km az=271.0. ML Amplitudes are expressed in micrometers.
ISC VI 14 21 48 25.6–.95 38.99N–.02 26.30E–.03 10–9 54 0-2
DDA VI 14 21 48 23.6–.00 39.02N 26.21E 7–3 2.2L ¶611017207
ISK VI 14 21 48 25.2 38.98N 26.25E 14–0 2.4L
THE VI 14 21 48 25.6 38.99N 26.27E 1–1 2.4L
ATH VI 14 21 48 26.0 38.99N 26.27E 8–1 2.5L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.3km az=86.0.
ATH Event type ke. Error ellipse: s-maj=2.6km s-min=1.1km az=264.0. ML Amplitudes are expressed in micrometers.
ISC VI 14 22 20 56.1–.94 38.89N–.02 26.06E–.02 11–8 76 0-2
ISK VI 14 22 20 55.8 38.91N 26.08E 8–0 2.6L ¶611017209
DDA VI 14 22 20 55.3–.00 38.88N 26.05E 7–3 2.2L
THE VI 14 22 20 56.4 38.90N 26.08E 10–1 2.4L
ATH VI 14 22 20 56.5 38.90N 26.05E 8–1 2.4L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.4km az=65.0.
ATH Event type ke. Error ellipse: s-maj=2.0km s-min=0.9km az=267.0. ML Amplitudes are expressed in micrometers.
ISC VI 14 22 45 48.2–.88 38.84N–.02 26.42E–.02 13–7 144 0-9
ISK VI 14 22 45 47.5 38.85N 26.43E 10–0 3.6L ¶611017210
DDA VI 14 22 45 47.6–.00 38.85N 26.39E 7–3 3.4W
THE VI 14 22 45 48.4 38.84N 26.43E 12–0 3.2L
ATH VI 14 22 45 48.4 38.85N 26.45E 15–1 3.1L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=0.6km s-min=0.3km az=259.0.
ATH Event type ke. Error ellipse: s-maj=2.4km s-min=1.0km az=267.0. ML Amplitudes are expressed in micrometers.
ISC VI 14 22 53 37.2–.97 38.86N–.03 26.42E–.04 13–8 34 0-2
ISK VI 14 22 53 36.8 38.87N 26.47E 12–0 2.5L ¶611017211
THE VI 14 22 53 37.6 38.87N 26.41E 11–1 2.3L
DDA VI 14 22 53 37.0–.00 38.84N 26.43E 7–1 2.1L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.7km az=298.0.
ISC VI 14 23 11 43.4–.94 38.89N–.02 26.17E–.02 13–9 71 0-3
DDA VI 14 23 11 42.7–.00 38.89N 26.17E 7–4 2.5L ¶611017212
ISK VI 14 23 11 42.6 38.90N 26.18E 10–0 2.6L
ATH VI 14 23 11 44.0 38.90N 26.13E 7–1 2.5L
THE VI 14 23 11 43.4 38.89N 26.17E 3–1 2.4L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.9km s-min=0.9km az=108.0. ML Amplitudes are expressed in micrometers.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.3km az=59.0.
ISC VI 15 00 57 20.9–.89 38.91N–.02 26.19E–.02 15–7 82 0-3
ISK VI 15 00 57 20.3 38.90N 26.17E 12–0 2.6L ¶611017221
ATH VI 15 00 57 20.8 38.91N 26.22E 13–1 2.4L
DDA VI 15 00 57 20.4–.00 38.91N 26.20E 7–3 2.4L
THE VI 15 00 57 21.2 38.92N 26.19E 11–1 2.5L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.9km s-min=1.0km az=82.0. ML Amplitudes are expressed in micrometers.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.6km az=56.0.
ISC VI 15 02 01 58.6–.87 38.93N–.02 26.30E–.03 10–8 59 0-3
THE VI 15 02 01 58.9 38.96N 26.36E 6–4 2.5L ¶611017226
DDA VI 15 02 01 58.0–.00 38.92N 26.32E 7–3 2.2L
ISK VI 15 02 01 58.1 38.93N 26.32E 6–0 2.5L
ATH VI 15 02 01 58.6 38.93N 26.31E 12–1 2.4L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=5.0km s-min=0.9km az=281.0.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.8km s-min=1.1km az=91.0. ML Amplitudes are expressed in micrometers.
ISC VI 15 04 47 38.3–.96 38.89N–.02 26.41E–.03 10–8 47 0-2
ISK VI 15 04 47 37.8 38.89N 26.41E 5–0 2.5L ¶611017232
DDA VI 15 04 47 37.7–.00 38.88N 26.40E 7–2 2.0L
THE VI 15 04 47 38.6 38.89N 26.41E 1–1 2.1L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=2.3km s-min=0.6km az=101.0.
ISC VI 15 07 47 57.0–.89 38.87N–.02 26.40E–.03 15–8 33 0-2
DDA VI 15 07 47 56.7–.00 38.87N 26.39E 7–2 2.5L ¶611017237
ATH VI 15 07 47 57.3 38.88N 26.39E 11–3 2.7L
THE VI 15 07 47 57.4 38.88N 26.37E 4–4 2.5L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.7km s-min=1.3km az=281.0. ML Amplitudes are expressed in micrometers.
THE Event type ke. Error ellipse: s-maj=4.5km s-min=0.8km az=264.0.
ISC VI 15 10 37 04.7–.65 38.90N–.01 26.24E–.02 15–4 3.6b,2.9s 267 0-62
IDC VI 15 10 37 02.9–.98 38.82N 26.24E 0 3.9L,3.6 ¶612625277
ISK VI 15 10 37 03.5 38.91N 26.23E 14–0 4.2L,3.6
THE VI 15 10 37 04.8 38.93N 26.23E 11–1 4.1L,3.6
DDA VI 15 10 37 04.0–.00 38.90N 26.26E 14–1 4.1W,3.6
ATH VI 15 10 37 04.4 38.90N 26.26E 14–0 4.1L,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=16.8km s-min=15.3km az=132.0.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.7km az=267.0.
ATH Event type ke. Error ellipse: s-maj=1.3km s-min=0.6km az=88.0. ML Amplitudes are expressed in micrometers.
DDA VI 15 12 25 39.4–.00 38.63N 26.37E 4–3 1.0L
¶617481136
ISC VI 15 12 52 41.3–.89 38.91N–.02 26.07E–.03 17–7 67 0-2
DDA VI 15 12 52 40.8–.00 38.88N 26.02E 11–2 2.5L ¶611017245
ISK VI 15 12 52 40.7 38.90N 26.06E 9–0 2.8L
ATH VI 15 12 52 42.0 38.91N 26.06E 10–1 2.5L
THE VI 15 12 52 42.0 38.92N 26.08E 8–1 2.3L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.7km s-min=0.8km az=89.0. ML Amplitudes are expressed in micrometers.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.5km az=285.0.
ISC VI 15 14 23 36.3–.92 38.91N–.02 26.34E–.03 11–8 58 0-2
DDA VI 15 14 23 35.7–.00 38.91N 26.33E 7–1 2.6L ¶611017249
ISK VI 15 14 23 35.7 38.88N 26.30E 14–0 2.6L
ATH VI 15 14 23 36.4 38.92N 26.35E 6–2 2.4L
THE VI 15 14 23 36.2 38.91N 26.31E 5–1 2.4L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.6km s-min=0.9km az=269.0. ML Amplitudes are expressed in micrometers.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.5km az=273.0.
ISC VI 15 15 36 02.3–.88 38.94N–.01 26.28E–.02 14–7 112 0-3
DDA VI 15 15 36 01.8–.00 38.92N 26.30E 11–3 3.0L ¶611017250
THE VI 15 15 36 02.5 38.92N 26.25E 5–0 2.9L
ISK VI 15 15 36 02.1 38.96N 26.30E 10–0 3.0L
ATH VI 15 15 36 02.7 38.93N 26.28E 10–1 2.9L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.4km az=271.0.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.0km s-min=0.7km az=269.0. ML Amplitudes are expressed in micrometers.
ISC VI 15 15 48 09.3–1.0 38.83N–.01 26.32E–.02 6–9 93 0-3
ISK VI 15 15 48 08.6 38.78N 26.18E 7–0 3.0L ¶611017251
DDA VI 15 15 48 09.7–.00 38.82N 26.39E 7–2 3.1L
ATH VI 15 15 48 10.6 38.84N 26.37E 12–1 2.9L
THE VI 15 15 48 10.3 38.84N 26.38E 10–0 2.9L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.2km s-min=0.7km az=270.0. ML Amplitudes are expressed in micrometers.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.4km az=272.0.
DDA VI 15 16 04 01.8–.00 38.86N 26.38E 7–1 1.6L
ISK VI 15 16 04 01.1 38.65N 26.12E 28–0 1.9L ¶611509846
ISK Event type ke.
ISC VI 15 17 08 56.5–.89 38.86N–.02 26.08E–.02 16–7 92 0-3
ISK VI 15 17 08 55.9 38.87N 26.07E 13–0 2.6L ¶611017254
DDA VI 15 17 08 56.3–.00 38.89N 26.06E 11–3 2.6L
ATH VI 15 17 08 57.2 38.89N 26.07E 11–1 2.5L
THE VI 15 17 08 57.0 38.88N 26.04E 8–1 2.6L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.7km s-min=0.8km az=92.0. ML Amplitudes are expressed in micrometers.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.5km az=89.0.
ISC VI 15 17 34 36.6–.92 38.92N–.02 26.26E–.02 11–8 97 0-3
ISK VI 15 17 34 35.7 38.89N 26.21E 7–0 2.9L ¶611017257
DDA VI 15 17 34 36.0–.00 38.90N 26.27E 12–3 2.7L
THE VI 15 17 34 36.8 38.92N 26.20E 10–1 2.5L
ATH VI 15 17 34 36.8 38.91N 26.26E 10–2 2.7L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.6km az=270.0.
ATH Event type ke. Error ellipse: s-maj=2.6km s-min=0.9km az=287.0. ML Amplitudes are expressed in micrometers.
ISC VI 15 21 44 23.6–.87 38.86N–.02 26.16E–.03 17–7 56 0-2
ISK VI 15 21 44 23.1 38.86N 26.14E 15–0 2.5L ¶611017262
THE VI 15 21 44 23.6 38.87N 26.16E 14–1 2.3L
DDA VI 15 21 44 23.6–.00 38.86N 26.17E 7–2 2.3L
ATH VI 15 21 44 24.0 38.87N 26.14E 15–1 2.4L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.5km az=86.0.
ATH Event type ke. Error ellipse: s-maj=1.8km s-min=0.8km az=276.0. ML Amplitudes are expressed in micrometers.
ISC VI 16 00 12 23.6–.96 38.84N–.02 26.42E–.04 17–8 43 0-2
ISK VI 16 00 12 23.0 38.83N 26.41E 14–0 2.3L ¶611017277
THE VI 16 00 12 24.2 38.84N 26.37E 14–0 2.2L
ATH VI 16 00 12 24.0 38.84N 26.48E 8–3 2.5L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.3km az=265.0.
ATH Event type ke. Error ellipse: s-maj=4.3km s-min=1.0km az=274.0. ML Amplitudes are expressed in micrometers.
ISC VI 16 00 27 27.4–.86 38.83N–.01 26.44E–.02 13–7 133 0-9
ISK VI 16 00 27 26.8 38.84N 26.43E 11–0 3.6L ¶611017279
THE VI 16 00 27 27.7 38.83N 26.39E 8–0 3.2L
ATH VI 16 00 27 27.3 38.84N 26.50E 6–2 3.5L
DDA VI 16 00 27 27.0–.00 38.84N 26.45E 7–2 3.5W
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=0.9km s-min=0.4km az=274.0.
ATH Event type ke. Error ellipse: s-maj=2.7km s-min=0.9km az=254.0. ML Amplitudes are expressed in micrometers.
ISC VI 16 00 46 03.4–.96 38.86N–.02 26.39E–.04 15–8 49 0-2
ISK VI 16 00 46 02.6 38.85N 26.40E 9–0 2.6L ¶611017281
THE VI 16 00 46 03.8 38.86N 26.31E 15–0 2.3L
ATH VI 16 00 46 03.6 38.86N 26.41E 10–1 2.5L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.4km az=264.0.
ATH Event type ke. Error ellipse: s-maj=2.7km s-min=0.9km az=271.0. ML Amplitudes are expressed in micrometers.
ISC VI 16 00 53 33.4–.97 38.84N–.02 26.44E–.04 16–8 42 0-2
ISK VI 16 00 53 32.6 38.84N 26.42E 15–0 2.5L ¶611017282
THE VI 16 00 53 33.7 38.83N 26.37E 12–1 2.2L
ATH VI 16 00 53 33.6 38.84N 26.48E 8–3 2.2L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=3.0km s-min=0.9km az=267.0.
ATH Event type ke. Error ellipse: s-maj=4.0km s-min=0.9km az=273.0. ML Amplitudes are expressed in micrometers.
ISC VI 16 01 01 07.9–.95 38.84N–.01 26.46E–.02 7–7 3.2b 171 0-34
ISK VI 16 01 01 06.9 38.85N 26.47E 10–0 3.9L ¶610675487
DDA VI 16 01 01 07.3–.00 38.85N 26.47E 13–2 3.8W
ATH VI 16 01 01 08.0 38.84N 26.44E 14–0 3.6L
THE VI 16 01 01 08.4 38.84N 26.37E 12–0 3.6L
IDC VI 16 01 01 08.3–1.6 38.78N 26.67E 0 3.3,3.2b
ISC Event type ke.
ISK Event type ke.

ATH Event type ke. Error ellipse: s-maj=1.8km s-min=0.7km az=271.0. ML Amplitudes are expressed in micrometers.
THE Event type ke. Error ellipse: s-maj=0.7km s-min=0.3km az=269.0.
IDC Error ellipse: s-maj=34.4km s-min=17.8km az=169.0.
ISC VI 16 01 21 42.7–.88 38.83N–.02 26.43E–.02 16–7 93 0-3
ISK VI 16 01 21 42.3 38.82N 26.41E 9–0 2.5L **¶611017285**
DDA VI 16 01 21 42.9–.00 38.84N 26.43E 8–3 2.7L
THE VI 16 01 21 43.6 38.85N 26.36E 14–0 2.3L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.3km az=264.0.
ISC VI 16 01 30 34.8–.86 38.85N–.01 26.45E–.02 14–7 105 0-3
DDA VI 16 01 30 34.4–.00 38.84N 26.45E 10–1 2.6L **¶611017286**
ISK VI 16 01 30 34.1 38.85N 26.46E 11–0 2.5L
THE VI 16 01 30 35.2 38.86N 26.38E 14–0 2.3L
ATH VI 16 01 30 35.2 38.85N 26.44E 13–1 2.4L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.4km az=264.0.
ATH Event type ke. Error ellipse: s-maj=2.5km s-min=0.9km az=269.0. ML Amplitudes are expressed in micrometers.
ISC VI 16 02 55 17.0–.88 38.94N–.01 26.32E–.02 13–7 111 0-3
ISK VI 16 02 55 16.5 38.93N 26.30E 9–0 2.8L **¶611017288**
DDA VI 16 02 55 16.6–.00 38.93N 26.31E 8–1 2.7L
THE VI 16 02 55 17.0 38.95N 26.29E 8–0 2.5L
ATH VI 16 02 55 17.1 38.95N 26.32E 10–1 2.6L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.4km az=270.0.
ATH Event type ke. Error ellipse: s-maj=2.3km s-min=0.8km az=270.0. ML Amplitudes are expressed in micrometers.
ISK VI 16 03 29 17.1 38.91N 26.42E 9–0 1.8L
¶617481138
ISK Event type ke.
DDA VI 16 03 30 16.8–.00 38.80N 26.46E 7–4 1.2L
¶611509895
ISC VI 16 04 37 14.0–.89 38.85N–.01 26.42E–.02 14–7 83 0-2
ISK VI 16 04 37 13.9 38.84N 26.44E 6–0 2.9L **¶611017291**
ATH VI 16 04 37 14.8 38.84N 26.42E 14–1 2.8L
DDA VI 16 04 37 14.0–.00 38.84N 26.44E 6–2 2.9L
THE VI 16 04 37 15.3 38.86N 26.32E 17–0 2.7L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.8km s-min=0.9km az=273.0. ML Amplitudes are expressed in micrometers.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.4km az=268.0.
ISC VI 16 04 38 24.2–.84 38.84N–.01 26.42E–.02 16–6 149 0-8
ISK VI 16 04 38 22.4 38.88N 26.47E 2–0 3.5L **¶611017292**
DDA VI 16 04 38 23.9–.00 38.84N 26.43E 10–2 3.4L
THE VI 16 04 38 24.3 38.86N 26.43E 13–0 3.4L
ATH VI 16 04 38 24.7 38.84N 26.41E 14–1 3.4L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.4km az=265.0.
ATH Event type ke. Error ellipse: s-maj=2.0km s-min=0.7km az=271.0. ML Amplitudes are expressed in micrometers.
ISC VI 16 04 46 43.5–.86 38.83N–.02 26.38E–.02 15–7 87 0-2
DDA VI 16 04 46 43.3–.00 38.84N 26.43E 7–3 2.4L **¶611017293**
ISK VI 16 04 46 43.3 38.84N 26.41E 10–0 2.6L
ATH VI 16 04 46 44.2 38.85N 26.38E 14–2 2.3L
THE VI 16 04 46 44.4 38.84N 26.36E 9–0 2.2L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=4.0km s-min=0.9km az=275.0. ML Amplitudes are expressed in micrometers.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.4km az=270.0.
ISC VI 16 05 52 16.3–.90 38.91N–.02 26.32E–.02 12–7 99 0-3
ISK VI 16 05 52 15.7 38.89N 26.29E 12–0 3.1L **¶611017296**
DDA VI 16 05 52 15.9–.00 38.92N 26.33E 6–2 3.1L
ATH VI 16 05 52 16.7 38.92N 26.32E 10–1 3.1L
THE VI 16 05 52 16.5 38.93N 26.32E 8–0 3.1L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.3km s-min=0.7km az=273.0. ML Amplitudes are expressed in micrometers.
THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.4km az=266.0.
ISC VI 16 05 59 23.0–.88 38.88N–.01 26.29E–.02 14–6 3.3b,2.7s 201 0-74
IDC VI 16 05 59 20.5–1.1 38.79N 26.22E 0 3.6L,3.4 **¶610675502**
ISK VI 16 05 59 22.2 38.88N 26.21E 8–0 3.9L,3.4
DDA VI 16 05 59 22.6–.00 38.89N 26.32E 7–3 3.8W,3.4
ATH VI 16 05 59 23.1 38.89N 26.37E 10–1 3.5L,3.4
THE VI 16 05 59 23.6 38.90N 26.28E 9–0 3.6L,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=18.5km s-min=15.8km az=111.0.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.8km s-min=0.7km az=270.0. ML Amplitudes are expressed in micrometers.
THE Event type ke. Error ellipse: s-maj=0.7km s-min=0.3km az=274.0.
ISC VI 16 07 21 59.9–.91 38.88N–.02 26.51E–.03 15–8 53 0-2
DDA VI 16 07 21 59.9–.00 38.88N 26.49E 7–2 2.0L **¶611017299**
ISK VI 16 07 21 59.9 38.88N 26.52E 5–0 2.5L
THE VI 16 07 22 00.4 38.87N 26.44E 16–0 2.2L
ATH VI 16 07 22 01.0 38.88N 26.48E 9–4 2.2L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.6km az=261.0.
ATH Event type ke. Error ellipse: s-maj=4.4km s-min=0.9km az=346.0. ML Amplitudes are expressed in micrometers.
ISC VI 16 08 26 02.1–.84 38.83N–.02 26.42E–.02 16–7 78 0-2
ISK VI 16 08 26 01.6 38.83N 26.43E 7–0 2.6L **¶611017302**
DDA VI 16 08 26 01.5–.00 38.83N 26.42E 7–2 2.5L
ATH VI 16 08 26 02.3 38.83N 26.44E 11–1 2.6L
THE VI 16 08 26 02.3 38.85N 26.38E 18–1 2.4L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.1km s-min=0.8km az=298.0. ML Amplitudes are expressed in micrometers.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.5km az=266.0.
ISC VI 16 09 40 46.4–.94 38.88N–.02 26.10E–.02 13–8 89 0-7
ISK VI 16 09 40 46.0 38.87N 26.06E 8–0 3.1L **¶611017304**
DDA VI 16 09 40 45.7–.00 38.87N 26.10E 7–2 3.2W
THE VI 16 09 40 46.6 38.91N 26.12E 9–0 3.1L
ATH VI 16 09 40 46.5 38.88N 26.13E 13–1 3.0L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.5km az=84.0.
ATH Event type ke. Error ellipse: s-maj=1.6km s-min=0.8km az=95.0. ML Amplitudes are expressed in micrometers.
ISC VI 16 09 46 19.4–.82 38.31N–.02 26.55E–.02 10–5 110 0-9
ISK VI 16 09 46 17.9 38.27N 26.44E 8–0 4.0L **¶611017305**
ATH VI 16 09 46 19.0 38.29N 26.59E 11–1 3.9L
DDA VI 16 09 46 19.0–.00 38.28N 26.57E 7–1 3.7L
THE VI 16 09 46 21.2 38.38N 26.48E 0–1 3.9L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.1km s-min=0.9km az=259.0. ML Amplitudes are expressed in micrometers.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.6km az=107.0.
ISC VI 16 09 46 28.2–.88 38.28N–.03 26.57E–.04 10–6 27 0-9
DDA VI 16 09 46 28.3–.00 38.27N 26.58E 6–1 3.9L **¶617196326**
ATH VI 16 09 46 29.8 38.25N 26.51E 19–2 4.3L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.0km s-min=0.9km az=212.0. ML Amplitudes are expressed in micrometers.
ISC VI 16 09 49 08.0–.83 38.30N–.02 26.51E–.03 13–4 48 0-2
THE VI 16 09 49 06.6 38.39N 26.64E 0–0 3.0L **¶612625345**
DDA VI 16 09 49 08.3–.00 38.27N 26.53E 12–0 2.9L
ISK VI 16 09 49 10.0 38.33N 26.65E 4–0 2.9L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=0.9km s-min=0.4km az=117.0.
ISK Event type ke.
ISC VI 16 10 02 33.6–.82 38.27N–.02 26.52E–.03 14–5 52 0-2
THE VI 16 10 02 33.9 38.20N 26.46E 26–5 2.5L **¶612625350**
DDA VI 16 10 02 33.7–.00 38.27N 26.55E 12–0 2.4L
ISK VI 16 10 02 33.2 38.26N 26.49E 5–0 2.5L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=8.9km s-min=0.7km az=231.0.
ISK Event type ke.
ISC VI 16 10 18 49.5–.87 38.31N–.02 26.57E–.03 10–5 44 0-2
THE VI 16 10 18 48.0 38.30N 26.55E 2–2 2.5L **¶611017309**
ISK VI 16 10 18 49.6 38.40N 26.61E 6–0 2.3L
DDA VI 16 10 18 49.6–.00 38.29N 26.65E 7–3 2.3L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=2.4km s-min=0.6km az=232.0.
ISK Event type ke.
ISC VI 16 10 28 30.4–1.1 38.39N–.03 26.56E–.04 18–3 16 0-2
DDA VI 16 10 28 24.2–.00 38.56N 26.26E 7–25 2.9L **¶611509936**
ISK VI 16 10 28 30.0 38.34N 26.54E 16–0 2.0L
ISC Event type ke.
ISK Event type ke.
ISC VI 16 10 51 46.0–.80 38.28N–.02 26.56E–.02 12–4 73 0-2
DDA VI 16 10 51 45.5–.00 38.27N 26.56E 13–0 3.1L **¶611017310**
ISK VI 16 10 51 45.2 38.26N 26.52E 4–0 3.2L
THE VI 16 10 51 45.8 38.31N 26.56E 3–1 3.2L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.4km az=232.0.
ISC VI 16 11 34 23.9–.81 38.28N–.02 26.55E–.03 13–4 59 0-2
ISK VI 16 11 34 23.2 38.25N 26.51E 4–0 2.5L **¶611017311**
THE VI 16 11 34 23.7 38.30N 26.58E 11–1 2.6L
DDA VI 16 11 34 24.5–.00 38.27N 26.54E 11–0 2.3L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.4km az=171.0.
ATH VI 16 12 06 41.1 38.87N 26.06E 13–0 2.0L
¶617254076
ATH Event type ke. Manual Solution by G.Panopoulou ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
ISC VI 16 12 07 34.8–.96 38.87N–.02 26.05E–.02 10–8 210 0-9
ISK VI 16 12 07 33.0 38.84N 25.95E 6–0 3.6L **¶610678609**
DDA VI 16 12 07 33.7–.00 38.86N 26.01E 7–2 3.4L
ATH VI 16 12 07 34.8 38.88N 26.05E 8–1 3.5L
THE VI 16 12 07 34.2 38.87N 26.10E 0–1 3.6L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.4km s-min=0.5km az=97.0. ML Amplitudes are expressed in micrometers.
THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.3km az=266.0.
ISC VI 16 12 19 45.9–.93 38.87N–.02 26.05E–.02 12–8 65 0-2
ISK VI 16 12 19 45.5 38.89N 26.09E 8–0 2.4L **¶611017314**
DDA VI 16 12 19 45.1–.00 38.87N 26.03E 7–1 2.1L
THE VI 16 12 19 45.8 38.87N 26.08E 6–1 2.4L
ATH VI 16 12 19 46.0 38.88N 26.04E 7–2 2.5L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.6km az=74.0.
ATH Event type ke. Error ellipse: s-maj=2.6km s-min=0.7km az=100.0. ML Amplitudes are expressed in micrometers.
ISC VI 16 13 24 25.8–.93 38.86N–.02 26.05E–.03 13–8 65 0-2
ISK VI 16 13 24 24.6 38.82N 25.94E 7–0 3.0L **¶611017318**
DDA VI 16 13 24 25.4–.00 38.86N 26.06E 7–3 2.7L
THE VI 16 13 24 25.9 38.87N 26.06E 12–1 2.9L
ATH VI 16 13 24 26.0 38.87N 26.06E 10–1 2.9L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.5km az=73.0.
ATH Event type ke. Error ellipse: s-maj=1.8km s-min=0.7km az=99.0. ML Amplitudes are expressed in micrometers.
ISC VI 16 13 25 51.8–1.1 38.81N–.02 26.45E–.02 1–8 3.7b,3.0s 197 0-42
NAO VI 16 13 25 32.3 35.08N 24.47E 33 4.0b,3.0s **¶610678613**
ISK VI 16 13 25 49.6 38.80N 26.42E 5–0 4.4L,3.0s
THE VI 16 13 25 50.9 38.81N 26.45E 4–1 4.3L,3.0s
DDA VI 16 13 25 50.2–.00 38.79N 26.40E 18–1 4.2W,3.0s
ATH VI 16 13 25 52.6 38.81N 26.48E 30–1 4.1L,3.0s
IDC VI 16 13 25 52.0–1.0 38.66N 26.42E 0 3.7,3.7b
SOF VI 16 13 26 14.5 40.41N 25.25E 10 3.4,3.7b
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.6km az=178.0.
ATH Event type ke. Error ellipse: s-maj=2.2km s-min=0.8km az=78.0. ML Amplitudes are expressed in micrometers.
IDC Error ellipse: s-maj=19.9km s-min=14.3km az=56.0.
ISC VI 16 13 33 26.9–.90 38.84N–.02 26.43E–.03 14–7 51 0-2
DDA VI 16 13 33 26.7–.00 38.83N 26.42E 7–3 2.3L **¶611017319**
ISK VI 16 13 33 26.2 38.84N 26.48E 20–0 2.5L
THE VI 16 13 33 27.5 38.83N 26.40E 9–1 2.3L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.6km az=308.0.
ISC VI 16 14 00 52.1–.87 38.82N–.02 26.45E–.02 13–7 77 0-2
ISK VI 16 14 00 51.5 38.83N 26.44E 5–0 2.8L **¶611017322**
DDA VI 16 14 00 51.6–.00 38.83N 26.46E 7–2 2.7L
ATH VI 16 14 00 52.1 38.84N 26.46E 13–2 2.6L
THE VI 16 14 00 52.4 38.83N 26.41E 10–1 2.5L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.3km s-min=0.8km az=302.0. ML Amplitudes are expressed in micrometers.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.6km az=267.0.
ISC VI 16 14 19 44.3–.89 38.87N–.02 26.05E–.03 15–8 68 0-2
ISK VI 16 14 19 43.7 38.88N 26.06E 7–0 2.6L **¶611017324**
DDA VI 16 14 19 43.0–.00 38.85N 26.00E 7–2 2.4L
THE VI 16 14 19 44.5 38.87N 26.08E 9–1 2.5L
ATH VI 16 14 19 44.5 38.86N 26.05E 13–1 2.6L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.6km az=66.0.
ATH Event type ke. Error ellipse: s-maj=2.0km s-min=0.7km az=100.0. ML Amplitudes are expressed in micrometers.
ISC VI 16 17 51 24.2–.88 38.85N–.02 26.44E–.02 12–7 91 0-3
DDA VI 16 17 51 23.6–.00 38.84N 26.43E 7–2 2.8L **¶611017331**
ISK VI 16 17 51 23.3 38.85N 26.45E 10–0 2.9L
ATH VI 16 17 51 24.6 38.85N 26.44E 10–2 2.9L
THE VI 16 17 51 24.2 38.83N 26.41E 7–1 2.9L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.6km s-min=0.8km az=295.0. ML Amplitudes are expressed in micrometers.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.6km az=52.0.
ISC VI 16 18 01 49.8–.88 38.82N–.02 26.44E–.03 15–7 70 0-2
ISK VI 16 18 01 49.5 38.81N 26.40E 11–0 2.5L **¶611017333**

ATH VI 16 18 01 50.6 38.80N 26.40E 11–2 2.5L
THE VI 16 18 01 50.9 38.80N 26.33E 10–1 2.4L
DDA VI 16 18 01 50.2–.00 38.80N 26.42E 7–2 2.1L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.6km s-min=0.7km az=295.0. ML Amplitudes are expressed in micrometers.
THE Event type ke. Error ellipse: s-maj=2.4km s-min=0.8km az=266.0.
ISC VI 16 18 16 49.1–.90 38.85N–.02 26.40E–.03 13–7 48 0-2
DDA VI 16 18 16 48.7–.00 38.85N 26.40E 7–2 1.7L **¶611509965**
ISK VI 16 18 16 48.8 38.86N 26.42E 6–0 2.1L
ATH VI 16 18 16 49.5 38.86N 26.39E 8–3 1.7L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.2km s-min=1.1km az=339.0. ML Amplitudes are expressed in micrometers.
ISC VI 16 19 53 19.5–.99 38.97N–.02 26.26E–.02 9–9 85 0-2
DDA VI 16 19 53 18.9–.00 38.95N 26.27E 7–3 2.6L **¶611017335**
ISK VI 16 19 53 19.1 38.99N 26.28E 5–0 2.8L
THE VI 16 19 53 19.6 38.97N 26.25E 7–1 2.6L
ATH VI 16 19 53 19.3 38.97N 26.29E 8–1 2.7L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.6km az=158.0.
ATH Event type ke. Error ellipse: s-maj=1.7km s-min=0.9km az=54.0. ML Amplitudes are expressed in micrometers.
ISC VI 16 22 45 53.7–.91 38.89N–.02 26.47E–.03 16–8 49 0-2
ISK VI 16 22 45 53.2 38.88N 26.48E 8–0 2.4L **¶611017341**
DDA VI 16 22 45 53.8–.00 38.87N 26.46E 7–2 2.3L
THE VI 16 22 45 54.2 38.88N 26.46E 7–2 2.4L
ATH VI 16 22 45 54.1 38.87N 26.46E 12–2 2.6L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=2.4km s-min=0.6km az=286.0.
ATH Event type ke. Error ellipse: s-maj=2.3km s-min=0.8km az=298.0. ML Amplitudes are expressed in micrometers.
ISC VI 16 23 20 24.3–.95 38.83N–.02 26.45E–.02 13–9 50 0-2
DDA VI 16 23 20 22.7–.00 38.77N 26.41E 7–2 2.4L **¶611017344**
ISK VI 16 23 20 23.5 38.83N 26.44E 9–0 2.5L
THE VI 16 23 20 24.5 38.84N 26.44E 5–2 2.3L
ATH VI 16 23 20 24.4 38.83N 26.45E 11–2 2.3L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=2.4km s-min=0.5km az=205.0.
ATH Event type ke. Error ellipse: s-maj=2.8km s-min=1.0km az=284.0. ML Amplitudes are expressed in micrometers.
ISC VI 17 00 21 46.7–.87 38.83N–.02 26.45E–.02 14–7 142 0-9
ISK VI 17 00 21 46.0 38.84N 26.44E 11–0 3.5L **¶610678729**
DDA VI 17 00 21 46.4–.00 38.83N 26.43E 7–1 3.5W
ATH VI 17 00 21 46.9 38.84N 26.45E 11–0 3.2L
THE VI 17 00 21 46.5 38.83N 26.45E 7–1 3.5L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.4km s-min=0.6km az=285.0. ML Amplitudes are expressed in micrometers.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.6km az=276.0.
ISC VI 17 00 37 30.8–.88 38.84N–.02 26.43E–.02 12–7 75 0-3
ISK VI 17 00 37 30.1 38.84N 26.44E 9–0 2.5L **¶611017347**
ATH VI 17 00 37 30.9 38.84N 26.44E 11–1 2.3L
DDA VI 17 00 37 30.4–.00 38.83N 26.44E 7–1 2.2L
THE VI 17 00 37 30.7 38.84N 26.43E 2–2 2.1L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.8km s-min=0.8km az=290.0. ML Amplitudes are expressed in micrometers.
THE Event type ke. Error ellipse: s-maj=2.3km s-min=0.5km az=137.0.
ISC VI 17 01 24 48.7–.91 38.91N–.02 26.62E–.02 13–8 73 0-3
THE VI 17 01 24 48.5 38.92N 26.65E 1–1 2.5L **¶611017348**
DDA VI 17 01 24 48.4–.00 38.92N 26.61E 7–3 2.3L
ISK VI 17 01 24 48.1 38.92N 26.61E 10–0 2.5L
ATH VI 17 01 24 48.7 38.91N 26.63E 11–1 2.5L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.6km az=234.0.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.3km s-min=0.8km az=280.0. ML Amplitudes are expressed in micrometers.
ISC VI 17 02 18 02.1–.92 38.93N–.02 26.20E–.02 12–8 65 0-2
ATH VI 17 02 18 02.0 38.95N 26.25E 13–1 2.3L **¶611017351**
ISK VI 17 02 18 01.7 38.94N 26.21E 8–0 2.5L
DDA VI 17 02 18 01.4–.00 38.94N 26.19E 7–1 2.0L
THE VI 17 02 18 01.9 38.94N 26.21E 3–1 2.4L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.8km s-min=0.8km az=77.0. ML Amplitudes are expressed in micrometers.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.6km az=314.0.
ISC VI 17 02 23 50.1–.91 38.92N–.02 26.41E–.02 13–8 74 0-3
DDA VI 17 02 23 49.6–.00 38.93N 26.39E 7–2 2.4L **¶611017352**
ISK VI 17 02 23 49.7 38.93N 26.42E 8–0 2.7L
ATH VI 17 02 23 50.1 38.92N 26.43E 13–1 2.8L
THE VI 17 02 23 50.2 38.93N 26.40E 3–2 2.7L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.3km s-min=0.7km az=320.0. ML Amplitudes are expressed in micrometers.
THE Event type ke. Error ellipse: s-maj=2.7km s-min=0.7km az=277.0.
ISC VI 17 03 25 43.1–.95 38.92N–.02 26.30E–.02 9–8 75 0-2
DDA VI 17 03 25 42.4–.00 38.90N 26.28E 7–2 2.2L **¶611017353**
ISK VI 17 03 25 42.7 38.91N 26.24E 7–0 2.5L
ATH VI 17 03 25 43.1 38.91N 26.31E 9–2 2.3L
THE VI 17 03 25 43.4 38.93N 26.32E 7–2 2.3L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.5km s-min=0.9km az=348.0. ML Amplitudes are expressed in micrometers.
THE Event type ke. Error ellipse: s-maj=2.2km s-min=0.7km az=291.0.
ISC VI 17 03 40 37.4–.57 38.91N–.01 26.29E–.02 11–3 4.5b,3.8s 848 0-118
MOS VI 17 03 40 35.9–1.1 38.97N 26.26E 12 4.6b,3.8s **¶611834136**
IDC VI 17 03 40 36.1–.44 38.93N 26.16E 0 4.3b,4.2
MED_R VI 17 03 40 36.0–.60 38.92N 26.47E 10 4.7W,4.2
MCSM VI 17 03 40 36.6–.50 39N–3.0 26E–4.0 12–3 4.7b,4.2
ISK VI 17 03 40 36.9 38.92N 26.24E 13–0 4.8L,4.2
ATH VI 17 03 40 37.5 38.88N 26.26E 14 4.7W,4.2
NEIC VI 17 03 40 37.4–1.8 38.90N–.04 26.22E–.06 10–1 4.6b,4.2
PDG VI 17 03 40 37.2–.90 38.91N 26.25E 21–1 4.7L,4.2
THE VI 17 03 40 37.3 38.90N 26.22E 9–0 4.7L,4.2
DDA VI 17 03 40 37.0–.00 38.91N 26.22E 12–0 4.5W,4.2
GCMT VI 17 03 40 39.4–.40 38.84N–.02 26.21E–.02 20–1 4.8W,4.2
NAO VI 17 03 40 40.2 39.48N 28.27E 33 4.5b,4.2
CFUSG VI 17 03 40 40.5 39.46N 26.53E 1 4.5b,4.2
GII VI 17 03 40 44.3–.00 38.52N 26.77E 10 4.6,4.4b
ISC Event type ke.
MOS Error ellipse: s-maj=4.8km s-min=2.9km az=92.9.
IDC Error ellipse: s-maj=9.2km s-min=8.6km az=132.0.
MED_R Error ellipse: s-maj=5.6km s-min=1.1km az=-1.0. nsta1 refers to body waves. nsta2 refers to surface waves, cutoff=35s. Moment Tensor Solution. Mantle waves: s10,c16;Duration: 1ș1 Moment tensor: Scale 10^16Nm; Mrr-0.37±.04 Mθθ1.31±.04; Mϕϕ-0.94±.05; Mrθ-0.32±.17; Mθϕ-0.26±.04; Mϕr-0.26±.18; Best double couple: NP1:ϕs54.00000°,δ81.00000°,λ-156.00000°. NP2:ϕs320.00000°,δ67.00000°,λ-10.00000°. Principal axes: T 1.3900,Plg10.0000° ,Azm185.0000°; N -0.3000,Plg65.0000°,Azm74.0000°; P -1.0900,Plg23.0000° ,Azm279.0000° M0 1.24000×10^16

ISK Event type ke.
ATH Moment Tensor Solution. s7 Moment tensor: Mrr0.07 Mθθ1.23 Mϕϕ-1.30 Mrθ-0.13 Mθϕ-0.23 Mϕr-0.31 NP1:ϕs319.00000°,δ78.00000°,λ-5.00000°. NP2:ϕs51.00000°,δ85.00000° ,λ-167.00000°.
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=7.1km az=273.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PDG Event type ke. Error ellipse: s-maj=0.8km s-min=1.2km az=0.0.
THE Event type ke. Error ellipse: s-maj=0.9km s-min=0.4km az=69.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s8,c8; s78,c98;Duration: 0 Moment tensor: Scale 10^16Nm; Mrr-1.00±.16 Mθθ2.13±.12; Mϕϕ-1.12±.09; Mrθ-0.85±.19; Mθϕ-0.71±.07; Mϕr0.11±.17; Best double couple: NP1:ϕs64.00000°,δ78.00000°,λ-146.00000°. NP2: ϕs326.00000°,δ57.00000°,λ-15.00000°. Principal axes: T 2.4900,Plg14.0000°,Azm192.0000° ; N -1.1660,Plg54.0000°,Azm82.0000°; P -1.3150,Plg32.0000°,Azm291.0000° M0 1.90300×10^16
CFUSG Western Turkey. Magtype MSH 3.6 from 4 stations.
GII Event type ke.
ISC VI 17 03 51 05.6–1.3 38.91N–.02 26.21E–.02 7–11 79 0-3
ATH VI 17 03 51 06.6 38.90N 26.24E 12–1 2.7L **¶611017354**
ISK VI 17 03 51 06.4 38.93N 26.24E 9–0 2.7L
DDA VI 17 03 51 06.6–.00 38.90N 26.25E 7–2 2.6L
THE VI 17 03 51 06.7 38.91N 26.24E 5–1 2.8L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.5km s-min=0.7km az=89.0. ML Amplitudes are expressed in micrometers.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=2.0km s-min=0.6km az=25.0.
ISC VI 17 06 29 46.4–.97 38.94N–.02 26.21E–.03 11–9 65 0-2
ISK VI 17 06 29 45.9 38.94N 26.21E 9–0 2.8L **¶612625421**
ATH VI 17 06 29 46.5 38.95N 26.23E 10–1 2.7L
THE VI 17 06 29 46.8 38.95N 26.20E 8–1 2.7L
DDA VI 17 06 29 47.3–.00 38.94N 26.32E 7–5 2.6L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.9km s-min=1.0km az=67.0. ML Amplitudes are expressed in micrometers.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.6km az=80.0.
ISC VI 17 06 39 48.2–.91 38.90N–.02 26.23E–.03 15–7 61 0-2
ISK VI 17 06 39 47.8 38.90N 26.24E 8–0 2.7L **¶611017360**
DDA VI 17 06 39 47.8–.00 38.90N 26.20E 7–4 2.5L
ATH VI 17 06 39 48.2 38.91N 26.26E 16–1 2.5L
THE VI 17 06 39 48.4 38.90N 26.23E 11–1 2.6L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.7km s-min=0.9km az=54.0. ML Amplitudes are expressed in micrometers.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.6km az=53.0.
ISC VI 17 07 38 10.1–.96 38.79N–.02 26.39E–.04 11–8 32 0-2
ISK VI 17 07 38 09.3 38.80N 26.38E 6–0 2.5L **¶611017362**
THE VI 17 07 38 10.0 38.81N 26.36E 12–2 2.2L
DDA VI 17 07 38 10.0–.00 38.80N 26.36E 7–2 2.6L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=3.2km s-min=0.6km az=271.0.
ISC VI 17 07 56 18.6–2.1 39.8N–.10 23.50E–.06 14–10 19 0-2
THE VI 17 07 56 20.8 39.91N 23.53E 14–1 2.7L **¶611017364**
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=2.7km s-min=1.2km az=162.0.
ISC VI 17 09 25 15.0–.88 38.83N–.02 26.44E–.02 13–7 79 0-2
ATH VI 17 09 25 15.0 38.83N 26.47E 11–2 2.4L **¶611017366**
ISK VI 17 09 25 14.3 38.84N 26.43E 12–0 2.6L
DDA VI 17 09 25 14.4–.00 38.83N 26.43E 7–2 2.4L
THE VI 17 09 25 15.2 38.83N 26.43E 2–3 2.4L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.8km s-min=0.8km az=298.0. ML Amplitudes are expressed in micrometers.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=3.5km s-min=0.5km az=230.0.
ISK VI 17 11 28 20.3 39.00N 26.23E 25–0 1.5L
¶611510053
ISK Event type ke.
ISC VI 17 13 07 00.3–.94 38.90N–.02 26.22E–.02 11–8 83 0-2
ISK VI 17 13 06 59.8 38.91N 26.24E 8–0 2.9L **¶611017367**
DDA VI 17 13 06 59.9–.00 38.90N 26.22E 7–4 2.6L
THE VI 17 13 07 00.5 38.92N 26.22E 9–1 2.6L
ATH VI 17 13 07 00.2 38.89N 26.24E 12–1 2.6L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.6km az=103.0.
ATH Event type ke. Error ellipse: s-maj=1.7km s-min=0.8km az=96.0. ML Amplitudes are expressed in micrometers.
ISC VI 17 17 01 38.5–.92 38.89N–.02 26.06E–.02 14–7 80 0-2
ISK VI 17 17 01 37.9 38.90N 26.09E 8–0 2.7L **¶611017369**
DDA VI 17 17 01 37.9–.00 38.89N 26.03E 7–2 2.4L
THE VI 17 17 01 38.7 38.90N 26.06E 11–1 2.5L
ATH VI 17 17 01 38.9 38.89N 26.04E 12–2 2.6L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.7km az=88.0.
ATH Event type ke. Error ellipse: s-maj=2.2km s-min=0.8km az=106.0. ML Amplitudes are expressed in micrometers.
ISC VI 17 19 33 33.6–.81 38.82N–.01 26.47E–.02 11–5 3.8b 329 0-77
THE VI 17 19 33 32.8 38.81N 26.44E 2–2 4.0L **¶610681454**
ATH VI 17 19 33 33.0 38.81N 26.48E 12 4.2W
IDC VI 17 19 33 32.3–.69 38.74N 26.67E 0 3.7,3.7b
ISK VI 17 19 33 32.5 38.84N 26.46E 14–0 4.4L,3.7b
DDA VI 17 19 33 32.6–.00 38.82N 26.44E 12–1 4.2W,3.7b
NEIC VI 17 19 33 33.6–1.6 38.79N–.05 26.52E–.06 13–6 4.2b,3.7b
NAO VI 17 19 33 35.8 39.53N 29.29E 33 3.7b,3.7b
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=2.4km s-min=0.6km az=227.0.
ATH Moment Tensor Solution. s9 Moment tensor: Mrr-1.93 Mθθ1.99 Mϕϕ-0.06 Mrθ-0.52 Mθϕ-0.33 Mϕr0.74 NP1:ϕs116.00000°,δ56.00000°,λ-70.00000°. NP2:ϕs263.00000°,δ39.00000° ,λ-117.00000°.
IDC Error ellipse: s-maj=11.6km s-min=11.2km az=41.0.
ISK Event type ke.
NEIC Event type se. Error ellipse: s-maj=7.3km s-min=6.6km az=204.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 17 19 37 31.1–.94 38.88N–.02 26.08E–.03 14–8 100 0-4
DDA VI 17 19 37 30.6–.00 38.88N 26.07E 7–3 3.3L **¶611017371**
ISK VI 17 19 37 30.5 38.89N 26.09E 14–0 3.6L
THE VI 17 19 37 31.3 38.88N 26.09E 12–1 3.4L
SOF VI 17 19 37 33.8 39.20N 26.08E 13 3.1
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.5km az=77.0.
ISC VI 17 19 50 05.4–.42 38.86N–.01 26.47E–.01 12–2 5.0b,4.9s 1653 0-159
NAO VI 17 19 49 31.8 34.79N 26.83E 33 5.6b,4.9s **¶611834131**
BEO VI 17 19 50 01.7–4.9 38.52N 27.07E 57–4 5.4L,4.9s
BJI VI 17 19 50 02.5–.00 38.65N 25.99E 29 5.1b,5.1s
MOS VI 17 19 50 03.0–.86 38.89N 26.45E 8 5.2b,4.6s
IDC VI 17 19 50 03.7–.36 38.92N 26.48E 0 4.8,4.8b
MCSM VI 17 19 50 03.5–.60 39N–4.0 27E–4.0 13–3 5.3b,4.8b
NEIC VI 17 19 50 04.7 38.87N 26.41E 12 5.3b,4.8b
NEIC VI 17 19 50 04.8–1.4 38.89N–.04 26.42E–.06 8–3 5.2,5.2
ISK VI 17 19 50 04.5 38.85N 26.45E 13–0 5.6L,5.2
PDG VI 17 19 50 04.9–1.3 38.84N 26.47E 17–3 5.2L,5.2
DDA VI 17 19 50 04.7–.00 38.84N 26.44E 10–2 5.3W,5.2
NEIC VI 17 19 50 04.6 38.87N 26.41E 7 5.3W,5.2

NEIC VI 17 19 50 04.7 38.87N 26.41E 12 5.3W,5.2
NEIC VI 17 19 50 04.6 38.87N 26.41E 7 5.3W,5.2
ATH VI 17 19 50 05.8 38.85N 26.43E 12–1 5.2L,5.2
MED_R VI 17 19 50 05.0–.20 38.83N 26.62E 10 5.2W,5.2
GCMT VI 17 19 50 05.8–.10 38.77N–.01 26.48E–.01 12 5.3W,5.2
THE VI 17 19 50 06.2 38.83N 26.34E 11–1 5.3L,5.2
CFUSG VI 17 19 50 08.2 39.51N 26.55E 3 5.3L,5.2
GII VI 17 19 50 10.1–.00 38.49N 26.65E 30 5.2,5.2
ISC Event type ke.
BEO Event type ke.
MOS Error ellipse: s-maj=3.7km s-min=2.4km az=91.0.
IDC Error ellipse: s-maj=7.7km s-min=7.4km az=95.0.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=6.8km s-min=6.2km az=217.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-1.10 $M_{\theta\theta}$8.83 $M_{\phi\phi}$-7.72 $M_{r\theta}$0.71 $M_{\theta\phi}$-2.68 $M_{\phi r}$0.82 NP1:ϕ_s143.82000°,δ82.52000°,λ-2.97000°. NP2:ϕ_s234.20000°,δ87.06000° ,λ-172.51000°. Principal axes: T 9.2824,Plg3.0000°,Azm9.0000°; N -1.0163,Plg82.0000° ,Azm256.0000°; P -8.2661,Plg7.0000°,Azm99.0000° $M_0$8.82000×10^{16} Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-1.80 $M_{\theta\theta}$5.42 $M_{\phi\phi}$-3.62 $M_{r\theta}$2.35 $M_{\theta\phi}$-1.95 $M_{\phi r}$1.92 NP1:ϕ_s142.99000°,δ55.45000°,λ-15.58000°. NP2:ϕ_s241.97000°,δ77.22000° ,λ-144.44000°. Principal axes: T 6.3034,Plg14.0000°,Azm8.0000°; N -0.6921,Plg53.0000° ,Azm259.0000°; P -5.6113,Plg34.0000°,Azm108.0000° $M_0$5.99000×10^{16}
ISK Event type ke.
PDG Event type ke. Error ellipse: s-maj=1.0km s-min=1.8km az=0.0.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2^{s}1 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.57 $M_{\theta\theta}$9.27 $M_{\phi\phi}$-5.70 $M_{r\theta}$-0.46 $M_{\theta\phi}$-2.11 $M_{\phi r}$3.03 NP1:ϕ_s137.24000°,δ69.71000° ,λ-28.22000°. NP2:ϕ_s237.79000°,δ63.67000°,λ-157.23000°. Principal axes: T 9.6198,Plg4.0000°,Azm189.0000°; N -1.6496,Plg56.0000°,Azm284.0000° ; P -7.9702,Plg34.0000°,Azm96.0000° $M_0$8.79000×10^{16}
NEIC Event type se.
ATH Event type ke. Error ellipse: s-maj=1.7km s-min=0.8km az=280.0. ML Amplitudes are expressed in micrometers.
MED_R Error ellipse: s-maj=2.2km s-min=1.1km az=-1.0. nsta1 refers to body waves. nsta2 refers to surface waves, cutoff=35s. Moment Tensor Solution. Mantle waves: s19,c39;Duration: 1^{s}5 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.44±.03 $M_{\theta\theta}$1.03±.02; $M_{\phi\phi}$-0.58±.02; $M_{r\theta}$0.20±.09; $M_{\theta\phi}$-0.25±.02; $M_{\phi r}$0.22±.07; Best double couple: NP1:ϕ_s240.00000°,δ71.00000°,λ-148.00000°. NP2:ϕ_s139.00000°,δ60.00000°,λ-23.00000°. Principal axes: T 1.0900,Plg7.0000° ,Azm8.0000°; N -0.2800,Plg53.0000°,Azm269.0000°; P -0.8000,Plg36.0000°,Azm102.0000° $M_0$0.94000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s84,c131; s136,c272;Duration: 1^{s}1 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.43±.01 $M_{\theta\theta}$1.10±.01; $M_{\phi\phi}$-0.66±.01; $M_{r\theta}$-0.14±.03; $M_{\theta\phi}$-0.32±.01; $M_{\phi r}$0.24±.04; Best double couple: NP1:ϕ_s140.00000°,δ75.00000°,λ-26.00000°. NP2:ϕ_s238.00000°,δ65.00000°,λ-163.00000°. Principal axes: T 1.1760,Plg7.0000° ,Azm191.0000°; N -0.3340,Plg60.0000°,Azm292.0000°; P -0.8390,Plg29.0000° ,Azm97.0000° $M_0$1.00800×10^{17}
THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.7km az=97.0.
CFUSG Western Turkey. Magtype MSH 4.3 from 5 stations.
GII Event type ke.
ISC VI 17 19 55 24.0–.99 38.85N–.02 26.42E–.04 13–9 43 0-2
ISK VI 17 19 55 23.6 38.86N 26.43E 10–0 3.1L ¶611017372
DDA VI 17 19 55 23.7–.00 38.85N 26.42E 7–1 2.7L
THE VI 17 19 55 24.0 38.84N 26.43E 10–6 2.8L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=6.3km s-min=0.6km az=241.0.
ISC VI 17 19 58 36.5–.82 38.81N–.02 26.48E–.03 11–7 61 0-3
ISK VI 17 19 58 35.1 38.77N 26.47E 8–0 3.3L ¶611017373
DDA VI 17 19 58 36.2–.00 38.81N 26.47E 7–4 3.1L
THE VI 17 19 58 36.5 38.82N 26.45E 4–8 3.0L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=8.9km s-min=0.7km az=225.0.
ISC VI 17 20 00 06.6–.88 38.82N–.02 26.50E–.02 12–6 3.3b 104 0-42
IDC VI 17 20 00 04.9–1.1 38.83N 26.55E 0 3.4,3.4L ¶612625443
DDA VI 17 20 00 05.9–.00 38.83N 26.45E 11–1 3.5L,3.4L
THE VI 17 20 00 06.9 38.84N 26.41E 0–3 3.5L,3.4L
ISK VI 17 20 00 06.6 38.86N 26.50E 10–0 3.8L,3.4L
ISC Event type ke.
IDC Error ellipse: s-maj=18.5km s-min=16.0km az=156.0.
THE Event type ke. Error ellipse: s-maj=3.2km s-min=1.2km az=118.0.
ISK Event type ke.
ISC VI 17 20 01 52.1–.90 38.81N–.02 26.48E–.03 12–7 71 0-3
ISK VI 17 20 01 50.7 38.78N 26.50E 6–0 3.5L ¶611017374
DDA VI 17 20 01 51.8–.00 38.82N 26.46E 7–2 3.4L
THE VI 17 20 01 52.4 38.82N 26.43E 7–1 3.2L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.5km az=202.0.
ISC VI 17 20 06 29.7–.86 38.81N–.02 26.46E–.02 14–7 91 0-3
ISK VI 17 20 06 28.7 38.80N 26.47E 9–0 3.4L ¶611017375
DDA VI 17 20 06 29.3–.00 38.81N 26.46E 7–2 3.1L
THE VI 17 20 06 29.6 38.82N 26.44E 4–3 3.0L
ATH VI 17 20 06 29.9 38.83N 26.46E 14–1 2.9L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=3.7km s-min=0.7km az=192.0.
ATH Event type ke. Error ellipse: s-maj=1.6km s-min=0.8km az=289.0. ML Amplitudes are expressed in micrometers.
ISC VI 17 20 09 51.0–.92 38.82N–.02 26.47E–.03 9–7 3.2b 77 0-41
DDA VI 17 20 09 50.6–.00 38.82N 26.46E 7–3 3.4L ¶610792077
THE VI 17 20 09 50.9 38.83N 26.44E 2–2 3.3L
IDC VI 17 20 09 51.0–1.4 38.69N 26.70E 0 3.3,3.3b
ATH VI 17 20 09 51.6 38.85N 26.44E 10–2 3.3L,3.3b
SOF VI 17 20 10 02.0 39.75N 25.99E 4 3.0,3.3b
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=2.8km s-min=0.6km az=228.0.
IDC Error ellipse: s-maj=32.6km s-min=17.4km az=166.0.
ATH Event type ke. Error ellipse: s-maj=2.3km s-min=0.8km az=293.0. ML Amplitudes are expressed in micrometers.
ISC VI 17 20 10 31.2–1.0 38.82N–.02 26.47E–.03 14–9 24 0-1
DDA VI 17 20 10 30.7–.00 38.84N 26.46E 7–2 3.4L ¶617196346
THE VI 17 20 10 31.2 38.82N 26.43E 6–10 3.5L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=10.9km s-min=0.9km az=232.0.
ISC VI 17 20 13 13.6–1.0 38.84N–.03 26.45E–.03 7–10 43 0-2
ISK VI 17 20 13 13.8 38.86N 26.46E 5–0 2.9L ¶611510069
DDA VI 17 20 13 13.0–.00 38.83N 26.44E 7–2 2.7L
ISC Event type ke.
ISK Event type ke.
ISC VI 17 20 16 15.7–.95 38.87N–.02 26.43E–.02 9–7 3.1b 151 0-41
IDC VI 17 20 16 15.0–1.5 39.05N 26.47E 0 3.3,3.2b ¶610792078
DDA VI 17 20 16 15.5–.00 38.83N 26.44E 10–1 3.9W,3.2b
THE VI 17 20 16 15.5 38.85N 26.46E 2–1 3.6L,3.2b
ISK VI 17 20 16 15.8 38.88N 26.46E 12–0 4.0L,3.2b
ATH VI 17 20 16 16.2 38.86N 26.44E 12–1 3.8L,3.2b
SOF VI 17 20 16 19.4 39.19N 26.41E 15 3.6,3.2b
ISC Event type ke.
IDC Error ellipse: s-maj=64.2km s-min=17.5km az=168.0.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.5km az=205.0.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.7km s-min=0.8km az=288.0. ML Amplitudes are expressed in micrometers.
DDA VI 17 20 23 01.5–.00 38.83N 26.41E 7–1 1.6L
¶612625450
ISK VI 17 20 29 06.7 38.86N 26.44E 15–0 2.4L
DDA VI 17 20 29 06.7–.00 38.83N 26.41E 7–2 2.1L ¶611510070
ISK Event type ke.
ISC VI 17 20 36 53.4–.91 38.83N–.02 26.47E–.02 11–8 74 0-2
DDA VI 17 20 36 52.7–.00 38.83N 26.46E 7–2 2.5L ¶611017380
THE VI 17 20 36 53.7 38.83N 26.42E 9–1 2.4L
ATH VI 17 20 36 53.9 38.84N 26.46E 8–3 2.5L
ISK VI 17 20 36 53.1 38.84N 26.49E 14–0 2.7L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=2.1km s-min=0.7km az=271.0.
ATH Event type ke. Error ellipse: s-maj=3.1km s-min=0.9km az=304.0. ML Amplitudes are expressed in micrometers.
ISK Event type ke.
ISC VI 17 20 55 12.5–.91 38.84N–.02 26.43E–.02 10–7 94 0-3
ISK VI 17 20 55 12.2 38.85N 26.45E 8–0 3.1L ¶611017382
THE VI 17 20 55 12.8 38.82N 26.40E 4–1 2.9L
DDA VI 17 20 55 12.0–.00 38.82N 26.47E 7–1 3.0L
ATH VI 17 20 55 12.5 38.85N 26.45E 15–1 2.9L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.3km az=207.0.
ATH Event type ke. Error ellipse: s-maj=1.5km s-min=0.8km az=70.0. ML Amplitudes are expressed in micrometers.
ISC VI 17 21 12 30.9–.90 38.84N–.02 26.44E–.02 11–8 89 0-3
ISK VI 17 21 12 30.5 38.86N 26.43E 8–0 3.2L ¶611017383
DDA VI 17 21 12 30.5–.00 38.82N 26.46E 7–2 3.2L
ATH VI 17 21 12 30.9 38.83N 26.47E 8–2 2.9L
THE VI 17 21 12 31.0 38.83N 26.42E 5–1 3.0L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.1km s-min=0.9km az=292.0. ML Amplitudes are expressed in micrometers.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.4km az=211.0.
ISC VI 17 21 31 37.2–1.0 38.86N–.02 26.35E–.03 9–9 54 0-2
DDA VI 17 21 31 36.7–.00 38.86N 26.34E 7–2 2.3L ¶612625476
ISK VI 17 21 31 36.4 38.85N 26.37E 3–0 2.5L
THE VI 17 21 31 37.9 38.86N 26.35E 3–3 2.3L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=3.1km s-min=0.5km az=292.0.
ISC VI 17 22 12 38.3–.89 38.84N–.02 26.45E–.02 13–8 77 0-2
ISK VI 17 22 12 37.6 38.84N 26.44E 12–0 2.6L ¶611017385
THE VI 17 22 12 38.5 38.85N 26.42E 2–3 2.3L
DDA VI 17 22 12 38.1–.00 38.82N 26.47E 7–2 2.4L
ATH VI 17 22 12 38.6 38.84N 26.45E 9–3 2.5L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=3.6km s-min=0.6km az=162.0.
ATH Event type ke. Error ellipse: s-maj=3.5km s-min=0.9km az=298.0. ML Amplitudes are expressed in micrometers.
ISC VI 17 22 21 58.5–.89 38.87N–.02 26.41E–.02 13–7 86 0-3
DDA VI 17 22 21 57.4–.00 38.86N 26.42E 23–2 3.0L ¶611017386
ISK VI 17 22 21 57.7 38.88N 26.40E 10–0 2.8L
ATH VI 17 22 21 58.9 38.87N 26.41E 10–2 3.0L
THE VI 17 22 21 58.5 38.86N 26.37E 5–2 2.8L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.3km s-min=0.8km az=295.0. ML Amplitudes are expressed in micrometers.
THE Event type ke. Error ellipse: s-maj=2.5km s-min=0.6km az=253.0.
ISK VI 17 22 42 13.4 38.84N 26.44E 11–0 2.4L
DDA VI 17 22 42 13.6–.00 38.82N 26.49E 7–2 2.2L ¶611510084
ISK Event type ke.
ISK VI 17 22 43 37.0 38.87N 26.41E 10–0 2.3L
DDA VI 17 22 43 37.2–.00 38.84N 26.40E 7–2 2.1L ¶611510085
ISK Event type ke.
ISC VI 17 23 06 16.6–.86 38.86N–.02 26.44E–.02 15–7 72 0-2
DDA VI 17 23 06 15.9–.00 38.85N 26.43E 7–3 2.4L ¶611017387
ATH VI 17 23 06 16.6 38.86N 26.47E 11–2 2.5L
THE VI 17 23 06 16.6 38.86N 26.43E 7–1 2.4L
ISK VI 17 23 06 16.0 38.87N 26.44E 9–0 2.4L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.5km s-min=0.9km az=293.0. ML Amplitudes are expressed in micrometers.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.6km az=278.0.
ISK Event type ke.
ISC VI 17 23 12 48.2–.83 38.85N–.02 26.43E–.02 16–6 158 0-9
ISK VI 17 23 12 47.5 38.85N 26.43E 14–0 3.6L ¶611017388
DDA VI 17 23 12 47.8–.00 38.84N 26.43E 10–1 3.5W
ATH VI 17 23 12 48.5 38.84N 26.43E 11–1 3.3L
THE VI 17 23 12 48.1 38.83N 26.41E 3–2 3.4L
SOF VI 17 23 12 50.7 39.24N 26.40E 2 3.4
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.5km s-min=0.7km az=282.0. ML Amplitudes are expressed in micrometers.
THE Event type ke. Error ellipse: s-maj=2.3km s-min=0.5km az=230.0.
ISC VI 17 23 24 21.4–.90 38.97N–.02 26.28E–.02 12–8 77 0-3
DDA VI 17 23 24 20.4–.00 38.97N 26.27E 7–2 2.6L ¶611017389
ATH VI 17 23 24 21.4 38.98N 26.30E 10–1 2.7L
THE VI 17 23 24 21.3 38.97N 26.29E 2–1 2.6L
ISK VI 17 23 24 21.1 39.00N 26.29E 8–0 2.7L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.5km s-min=0.9km az=91.0. ML Amplitudes are expressed in micrometers.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.5km az=262.0.
ISK Event type ke.
ISC VI 17 23 25 13.1–.86 38.83N–.02 26.48E–.03 14–7 50 0-2
ISK VI 17 23 25 12.9 38.82N 26.47E 9–0 2.5L ¶611510091
DDA VI 17 23 25 12.9–.00 38.84N 26.47E 7–3 2.5L
ATH VI 17 23 25 13.5 38.82N 26.48E 9–3 2.4L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=4.1km s-min=0.9km az=302.0. ML Amplitudes are expressed in micrometers.
ISC VI 18 00 02 48.8–.86 38.82N–.02 26.46E–.03 13–7 62 0-2
ISK VI 18 00 02 48.2 38.82N 26.46E 10–0 2.6L ¶611017393
THE VI 18 00 02 48.6 38.81N 26.44E 2–2 2.6L
DDA VI 18 00 02 48.3–.00 38.81N 26.48E 7–2 2.8L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=2.3km s-min=0.6km az=236.0.
ISC VI 18 00 04 51.9–.86 38.84N–.02 26.42E–.02 14–7 105 0-11
ISK VI 18 00 04 51.2 38.85N 26.41E 12–0 3.0L ¶611017394
THE VI 18 00 04 51.7 38.83N 26.41E 4–2 3.1L
DDA VI 18 00 04 51.2–.00 38.84N 26.42E 11–2 3.1L
ATH VI 18 00 04 52.1 38.84N 26.42E 13–1 3.1L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=2.7km s-min=0.5km az=240.0.
ATH Event type ke. Error ellipse: s-maj=1.7km s-min=0.8km az=283.0. ML Amplitudes are expressed in micrometers.
ISC VI 18 00 06 48.6–.91 38.84N–.02 26.41E–.03 12–7 42 0-2
THE VI 18 00 06 48.5 38.83N 26.38E 4–4 2.9L ¶611017395
ISK VI 18 00 06 48.2 38.85N 26.44E 6–0 3.0L
DDA VI 18 00 06 48.6–.00 38.81N 26.44E 7–1 2.1L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=4.9km s-min=0.7km az=261.0.
ISK Event type ke.
ISC VI 18 00 38 40.6–1.2 38.85N–.02 25.81E–.03 4–11 74 0-2
ISK VI 18 00 38 40.9 38.85N 25.79E 5–0 2.6L ¶611017398
THE VI 18 00 38 42.4 38.88N 25.91E 3–3 2.4L
ATH VI 18 00 38 42.6 38.87N 25.89E 13–1 2.5L
DDA VI 18 00 38 42.5–.00 38.87N 25.93E 7–3 2.2L

ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=3.3km s-min=0.7km az=333.0.
ATH Event type ke. Error ellipse: s-maj=2.0km s-min=0.8km az=104.0. ML Amplitudes are expressed in micrometers.
ISC VI 18 00 46 23.6–.85 38.85N–.02 26.42E–.02 14–7 83 0-3
DDA VI 18 00 46 23.0–.00 38.87N 26.41E 7–3 2.6L ¶611017399
THE VI 18 00 46 23.4 38.85N 26.43E 0–1 2.7L
ISK VI 18 00 46 23.2 38.86N 26.43E 11–0 2.5L
ATH VI 18 00 46 23.7 38.85N 26.45E 14–1 2.7L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.5km az=93.0.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.9km s-min=0.9km az=288.0. ML Amplitudes are expressed in micrometers.
ISC VI 18 01 09 57.4–.85 38.83N–.01 26.45E–.02 13–7 91 0-2
DDA VI 18 01 09 56.7–.00 38.83N 26.45E 7–2 2.8L ¶611017400
ISK VI 18 01 09 56.7 38.83N 26.44E 9–0 2.5L
THE VI 18 01 09 57.2 38.82N 26.43E 4–1 2.5L
ATH VI 18 01 09 57.3 38.83N 26.48E 11–1 2.6L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.5km az=234.0.
ATH Event type ke. Error ellipse: s-maj=2.3km s-min=0.9km az=282.0. ML Amplitudes are expressed in micrometers.
ISC VI 18 01 46 22.3–.84 38.83N–.02 26.46E–.02 15–6 147 0-9
ISK VI 18 01 46 21.9 38.84N 26.46E 12–0 3.6L ¶611017401
DDA VI 18 01 46 22.1–.00 38.83N 26.48E 5–2 3.4L
ATH VI 18 01 46 22.3 38.82N 26.50E 13–0 3.3L
THE VI 18 01 46 22.3 38.82N 26.46E 2–1 3.5L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.5km s-min=0.7km az=281.0. ML Amplitudes are expressed in micrometers.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.4km az=234.0.
ISC VI 18 02 56 32.1–.91 38.86N–.02 26.43E–.02 12–8 74 0-2
ISK VI 18 02 56 31.8 38.86N 26.43E 9–0 2.5L ¶611017404
DDA VI 18 02 56 31.4–.00 38.85N 26.41E 7–3 2.5L
THE VI 18 02 56 31.9 38.85N 26.44E 2–2 2.4L
ATH VI 18 02 56 32.4 38.86N 26.45E 11–1 2.6L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=2.7km s-min=0.6km az=217.0.
ATH Event type ke. Error ellipse: s-maj=2.0km s-min=0.9km az=286.0. ML Amplitudes are expressed in micrometers.
ISC VI 18 05 29 53.2–.91 38.85N–.02 26.44E–.02 13–8 70 0-2
DDA VI 18 05 29 52.7–.00 38.84N 26.44E 7–2 2.8L ¶611017406
ISK VI 18 05 29 52.6 38.85N 26.43E 10–0 2.9L
THE VI 18 05 29 53.0 38.84N 26.44E 6–2 2.6L
ATH VI 18 05 29 53.6 38.85N 26.44E 10–2 2.8L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=2.0km s-min=0.5km az=232.0.
ATH Event type ke. Error ellipse: s-maj=2.4km s-min=0.9km az=291.0. ML Amplitudes are expressed in micrometers.
ISC VI 18 05 51 43.7–.90 38.80N–.02 26.50E–.02 14–6 67 0-1
DDA VI 18 05 51 43.3–.00 38.78N 26.51E 8–3 2.6L ¶611017407
ISK VI 18 05 51 43.1 38.81N 26.47E 9–0 2.5L
THE VI 18 05 51 43.9 38.79N 26.48E 4–6 2.5L
ATH VI 18 05 51 44.1 38.79N 26.50E 8–3 2.6L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=6.1km s-min=0.6km az=258.0.
ATH Event type ke. Error ellipse: s-maj=3.5km s-min=0.9km az=294.0. ML Amplitudes are expressed in micrometers.
DDA VI 18 06 16 04.5–.00 38.87N 26.71E 7–5 2.0L
¶617196418
ISC VI 18 06 23 05.4–.87 38.80N–.02 26.49E–.03 13–7 44 0-2
ISK VI 18 06 23 05.4 38.80N 26.50E 13–0 2.7L ¶611017411
DDA VI 18 06 23 05.2–.00 38.79N 26.50E 7–2 2.2L
THE VI 18 06 23 06.4 38.80N 26.41E 13–1 2.4L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=3.1km s-min=1.0km az=266.0.
ISC VI 18 06 29 09.4–.87 38.84N–.02 26.43E–.03 14–7 66 0-13
DDA VI 18 06 29 09.2–.00 38.84N 26.44E 7–2 3.0L ¶611017413
ISK VI 18 06 29 09.2 38.84N 26.46E 12–0 2.9L
THE VI 18 06 29 10.5 38.86N 26.37E 10–1 2.7L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=2.5km s-min=0.8km az=265.0.
ISC VI 18 07 13 24.6–.89 38.86N–.02 26.38E–.03 12–8 70 0-8
ISK VI 18 07 13 24.5 38.86N 26.36E 13–0 3.5L ¶611510166
DDA VI 18 07 13 24.7–.00 38.86N 26.37E 6–1 3.3L
THE VI 18 07 13 25.0 38.85N 26.33E 11–1 3.1L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.7km az=326.0.
ISC VI 18 07 54 55.8–.91 38.82N–.02 26.49E–.04 14–8 31 0-4
NAO VI 18 07 53 58.1 37.56N 22.24E 33 3.4b ¶617195828
DDA VI 18 07 54 55.5–.00 38.83N 26.46E 7–3 1.9L
ISK VI 18 07 54 55.8 38.84N 26.45E 9–0 2.0L
ISC Event type ke.
ISK Event type ke.
DDA VI 18 08 33 53.5–.00 38.80N 26.39E 7–1 1.5L
ISK VI 18 08 33 52.6 38.83N 26.45E 13–3 1.8L ¶611510174
ISK Event type ke.
ISC VI 18 08 49 58.5–.96 38.88N–.02 26.37E–.03 9–9 58 0-2
DDA VI 18 08 49 58.4–.00 38.88N 26.42E 7–2 2.4L ¶611017418
ISK VI 18 08 49 58.2 38.87N 26.37E 5–0 2.6L
THE VI 18 08 49 58.8 38.88N 26.35E 6–1 2.2L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.7km az=320.0.
DDA VI 18 08 59 27.5–.00 38.84N 26.57E 7–4 1.6L
¶611510177
ISC VI 18 09 37 20.3–.89 38.84N–.02 26.41E–.02 13–8 58 0-2
DDA VI 18 09 37 20.0–.00 38.83N 26.42E 7–5 2.1L ¶611017419
THE VI 18 09 37 20.8 38.84N 26.40E 7–3 2.0L
ISK VI 18 09 37 20.2 38.84N 26.39E 7–0 2.5L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=3.0km s-min=0.6km az=262.0.
ISK Event type ke.
ISC VI 18 09 41 19.4–.87 38.85N–.02 26.46E–.03 15–7 59 0-2
DDA VI 18 09 41 19.1–.00 38.85N 26.45E 7–6 2.2L ¶611017420
ISK VI 18 09 41 19.5 38.85N 26.43E 10–0 2.5L
THE VI 18 09 41 19.8 38.83N 26.45E 5–3 2.1L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=3.6km s-min=0.7km az=208.0.
ISC VI 18 10 11 18.7–.85 38.82N–.02 26.47E–.02 15–7 73 0-2
ISK VI 18 10 11 18.1 38.83N 26.46E 14–0 2.5L ¶611017422
THE VI 18 10 11 18.7 38.82N 26.46E 4–2 2.5L
DDA VI 18 10 11 18.3–.00 38.82N 26.48E 7–3 2.6L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=2.5km s-min=0.5km az=231.0.
ISC VI 18 10 44 29.0–.91 38.85N–.02 26.40E–.03 11–9 61 0-3
THE VI 18 10 44 23.6 38.85N 26.41E 6–1 2.1L ¶611017423
ATH VI 18 10 44 29.2 38.85N 26.43E 8–2 3.0L
DDA VI 18 10 44 29.0–.00 38.82N 26.41E 7–2 2.8L
ISK VI 18 10 44 29.0 38.86N 26.35E 5–0 3.0L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.6km az=249.0.
ATH Event type ke. Error ellipse: s-maj=2.7km s-min=0.8km az=295.0. ML Amplitudes are expressed in micrometers.
ISK Event type ke.
ISC VI 18 12 30 58.9–.86 38.89N–.02 26.27E–.02 17–7 83 0-2
ISK VI 18 12 30 58.4 38.90N 26.27E 9–0 2.7L ¶611017426
ATH VI 18 12 30 59.1 38.90N 26.26E 14–1 2.4L
DDA VI 18 12 30 59.0–.00 38.90N 26.34E 7–3 2.3L
THE VI 18 12 30 59.1 38.89N 26.27E 10–1 2.3L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.6km s-min=0.8km az=12.0. ML Amplitudes are expressed in micrometers.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.7km az=340.0.
ISC VI 18 12 37 55.7–.81 38.81N–.01 26.47E–.02 16–6 124 0-8
ISK VI 18 12 37 54.9 38.83N 26.48E 9–0 3.3L ¶611017427
ATH VI 18 12 37 55.8 38.81N 26.49E 13–1 3.2L
DDA VI 18 12 37 55.0–.00 38.82N 26.47E 8–2 3.3L
THE VI 18 12 37 55.4 38.81N 26.47E 4–2 3.2L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.7km s-min=0.6km az=288.0. ML Amplitudes are expressed in micrometers.
THE Event type ke. Error ellipse: s-maj=2.3km s-min=0.5km az=230.0.
ISC VI 18 12 59 15.6–.86 38.87N–.02 26.38E–.02 15–7 64 0-2
ISK VI 18 12 59 15.5 38.87N 26.38E 9–0 2.5L ¶611510205
ATH VI 18 12 59 15.9 38.87N 26.38E 11–1 2.3L
DDA VI 18 12 59 15.3–.00 38.90N 26.43E 7–3 2.3L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.8km s-min=0.7km az=305.0. ML Amplitudes are expressed in micrometers.
DDA VI 18 13 31 48.1–.00 38.86N 26.39E 7–4 1.3L
¶612625556
ISC VI 18 14 15 49.4–.89 38.97N–.01 26.28E–.02 14–8 91 0-3
ISK VI 18 14 15 49.3 38.98N 26.29E 8–0 3.0L ¶611017428
ATH VI 18 14 15 50.0 38.96N 26.28E 9–1 2.8L
DDA VI 18 14 15 49.2–.00 38.97N 26.28E 7–3 2.8L
THE VI 18 14 15 50.0 38.97N 26.26E 3–1 2.8L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.6km s-min=0.8km az=68.0. ML Amplitudes are expressed in micrometers.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.6km az=267.0.
ISC VI 18 15 42 59.9–1.1 39.55N–.02 23.22E–.03 4–9 3.5b 49 0-43
THE VI 18 15 42 59.5 39.56N 23.28E 1–2 3.0L ¶610792127
IDC VI 18 15 42 59.9–1.3 39.41N 23.22E 0 3.3,3.3b
DDA VI 18 15 43 00.6–.00 39.66N 23.02E 6–1 2.9L,3.3b
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=2.8km s-min=0.7km az=89.0.
IDC Error ellipse: s-maj=28.2km s-min=20.1km az=127.0.
ISC VI 18 16 55 17.4–.93 38.96N–.02 26.32E–.02 10–8 88 0-3
ISK VI 18 16 55 16.7 38.96N 26.31E 10–0 2.8L ¶611017432
DDA VI 18 16 55 16.6–.00 38.95N 26.29E 7–4 2.7L
ATH VI 18 16 55 17.5 38.97N 26.33E 8–1 2.7L
THE VI 18 16 55 17.9 38.98N 26.31E 6–1 2.7L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.6km s-min=0.8km az=47.0. ML Amplitudes are expressed in micrometers.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.6km az=277.0.
ISC VI 18 17 13 38.2–.83 38.83N–.02 26.46E–.02 15–6 80 0-2
DDA VI 18 17 13 37.7–.00 38.82N 26.44E 9–2 2.4L ¶611017433
ISK VI 18 17 13 37.7 38.83N 26.46E 10–0 2.7L
ATH VI 18 17 13 38.4 38.83N 26.46E 13–3 2.4L
THE VI 18 17 13 38.4 38.84N 26.44E 13–1 2.4L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.5km s-min=1.1km az=290.0. ML Amplitudes are expressed in micrometers.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.7km az=251.0.
ISC VI 18 17 46 22.9–.92 39.57N–.01 23.29E–.02 9–6 3.7b,3.1s 298 0-120
SOF VI 18 17 46 19.9 39.49N 23.35E 2 3.9,3.1s ¶610681487
DDA VI 18 17 46 20.6–.00 39.62N 23.31E 7–5 4.0W,3.1s
IDC VI 18 17 46 21.7–.91 39.57N 23.14E 0 3.9L,3.8
ISK VI 18 17 46 21.1 39.57N 23.31E 5–0 3.4L,3.8
PDG VI 18 17 46 22.3–.54 39.56N 23.29E 12–0 3.8L,3.8
THE VI 18 17 46 23.0 39.57N 23.29E 2–0 3.7L,3.8
ATH VI 18 17 46 23.2 39.56N 23.31E 5–1 3.6L,3.8
TIR VI 18 17 46 24.9 39.69N 23.23E 21–2 4.4,4.0L
NAO VI 18 17 46 47.6 41.65N 23.43E 33 3.5b,4.0L
ISC Event type ke.
IDC Error ellipse: s-maj=19.3km s-min=12.9km az=108.0.
ISK Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.4km s-min=0.6km az=0.0.
THE Event type ke. Error ellipse: s-maj=0.7km s-min=0.3km az=321.0.
ATH Event type ke. Error ellipse: s-maj=1.5km s-min=0.7km az=248.0. ML Amplitudes are expressed in micrometers.
ISC VI 18 22 22 24.1–.89 38.97N–.02 26.18E–.02 18–6 90 0-2
DDA VI 18 22 22 23.4–.00 38.95N 26.17E 16–3 2.4L ¶611017437
ISK VI 18 22 22 23.8 38.97N 26.17E 13–0 2.6L
THE VI 18 22 22 24.4 38.97N 26.22E 12–1 2.4L
ATH VI 18 22 22 24.9 38.98N 26.17E 9–2 2.4L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=2.0km s-min=0.7km az=298.0.
ATH Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=86.0. ML Amplitudes are expressed in micrometers.
ISC VI 18 22 41 02.7–.97 39.57N–.01 23.29E–.02 7–7 3.8b,3.5s 348 0-98
IDC VI 18 22 41 01.8–.72 39.59N 23.23E 0 3.7,3.7b ¶610681614
ISK VI 18 22 41 01.4 39.56N 23.30E 4–0 4.0L,3.7b
THE VI 18 22 41 02.6 39.56N 23.29E 2–1 4.0L,3.7b
ATH VI 18 22 41 03.0 39.57N 23.30E 5 4.1W,3.7b
DDA VI 18 22 41 03.6–.00 39.52N 23.25E 17–5 4.2W,3.7b
TIR VI 18 22 41 04.4 39.69N 23.23E 9–5 4.4,4.1L
NAO VI 18 22 41 27.8 41.74N 23.50E 33 4.1b,4.1L
ISC Event type ke.
IDC Error ellipse: s-maj=12.5km s-min=10.4km az=108.0.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.4km az=301.0.
ATH Moment Tensor Solution. s8 Moment tensor: Mrr0.30 Mθθ1.36 Mφφ-1.66 Mrθ-0.78 Mθφ-1.02 Mφr-0.29 NP1:φs240.00000°,δ83.00000°,λ155.00000°. NP2:φs333.00000°,δ65.00000°,λ7.00000°.
ISC VI 19 00 49 18.9–.89 38.92N–.01 26.35E–.02 11–8 104 0-3
ISK VI 19 00 49 18.5 38.91N 26.33E 8–0 2.7L ¶611017443
DDA VI 19 00 49 18.4–.00 38.92N 26.35E 7–3 2.7L
THE VI 19 00 49 18.8 38.91N 26.35E 3–6 2.4L
ATH VI 19 00 49 19.0 38.92N 26.35E 8–1 2.6L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=6.1km s-min=0.4km az=251.0.
ATH Event type ke. Error ellipse: s-maj=1.5km s-min=0.7km az=80.0. ML Amplitudes are expressed in micrometers.
DDA VI 19 04 55 15.6–.00 38.82N 26.33E 7–2 1.1L
¶612625653
ISC VI 19 05 31 28.2–.91 38.91N–.02 26.37E–.02 11–9 79 0-2
DDA VI 19 05 31 27.8–.00 38.90N 26.34E 7–2 2.4L ¶611017448
ATH VI 19 05 31 28.6 38.91N 26.37E 7–2 2.4L
THE VI 19 05 31 28.4 38.90N 26.33E 2–9 2.2L

ISK VI 19 05 31 28.2 38.91N 26.36E 5–0 2.5L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.2km s-min=0.8km az=310.0. ML Amplitudes are expressed in micrometers.
THE Event type ke. Error ellipse: s-maj=9.3km s-min=0.5km az=88.0.
ISK Event type ke.
ISC VI 19 06 55 54.6–.89 38.92N–.02 26.26E–.03 15–8 59 0-2
ATH VI 19 06 55 54.8 38.92N 26.25E 13–2 2.3L **¶611510332**
ISK VI 19 06 55 54.2 38.92N 26.26E 6–0 2.5L
DDA VI 19 06 55 54.4–.00 38.91N 26.26E 7–2 2.1L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.1km s-min=1.0km az=36.0. ML Amplitudes are expressed in micrometers.
ISK Event type ke.
ISC VI 19 10 21 42.7–.94 38.87N–.02 26.38E–.03 9–8 59 0-2
ISK VI 19 10 21 41.5 38.87N 26.38E 2–0 2.5L **¶611017451**
THE VI 19 10 21 42.6 38.87N 26.36E 6–7 1.9L
DDA VI 19 10 21 42.0–.00 38.85N 26.37E 7–2 2.1L
ATH VI 19 10 21 42.8 38.87N 26.38E 9–2 2.1L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=7.1km s-min=0.6km az=31.0.
ATH Event type ke. Error ellipse: s-maj=2.9km s-min=0.9km az=315.0. ML Amplitudes are expressed in micrometers.
ISC VI 19 10 55 20.0–.98 38.88N–.03 26.32E–.04 17–8 40 0-2
ISK VI 19 10 55 19.8 38.87N 26.30E 11–0 2.5L **¶611510353**
DDA VI 19 10 55 20.0–.00 38.89N 26.36E 7–2 2.5L
ISC Event type ke.
ISK Event type ke.
ISC VI 19 15 20 13.7–.88 38.92N–.02 26.19E–.02 16–7 77 0-2
ISK VI 19 15 20 13.7 38.92N 26.18E 9–0 3.0L **¶611017460**
DDA VI 19 15 20 13.7–.00 38.92N 26.19E 7–1 2.7L
ATH VI 19 15 20 14.5 38.93N 26.21E 8–2 2.7L
THE VI 19 15 20 14.5 38.92N 26.18E 6–1 2.7L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.2km s-min=0.8km az=95.0. ML Amplitudes are expressed in micrometers.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.5km az=60.0.
ISC VI 19 15 58 04.7–.90 38.95N–.02 26.22E–.02 13–9 74 0-2
ISK VI 19 15 58 04.2 38.96N 26.25E 10–0 2.8L **¶611017461**
DDA VI 19 15 58 04.3–.00 38.94N 26.24E 7–1 2.5L
ATH VI 19 15 58 04.8 38.93N 26.21E 8–2 2.5L
THE VI 19 15 58 04.8 38.95N 26.20E 8–1 2.2L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.2km s-min=0.7km az=83.0. ML Amplitudes are expressed in micrometers.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.8km az=72.0.
ISC VI 19 17 35 47.9–.89 38.79N–.02 25.93E–.03 16–7 94 0-2
ATH VI 19 17 35 48.2 38.78N 25.92E 13–1 3.1L **¶611017464**
ISK VI 19 17 35 48.3 38.83N 25.98E 7–0 3.2L
DDA VI 19 17 35 48.2–.00 38.81N 25.98E 7–3 2.9L
THE VI 19 17 35 48.0 38.79N 25.92E 12–1 3.0L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.6km s-min=0.7km az=102.0. ML Amplitudes are expressed in micrometers.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.5km az=75.0.
ISC VI 19 18 00 18.9–1.1 38.88N–.03 26.45E–.04 7–12 38 0-1
ISK VI 19 18 00 18.4 38.85N 26.39E 8–0 2.5L **¶611510370**
DDA VI 19 18 00 19.0–.00 38.86N 26.38E 7–3 2.0L
ISC Event type ke.
ISK Event type ke.
ISC VI 19 19 44 04.6–.86 38.88N–.02 26.42E–.02 13–7 77 0-2
ISK VI 19 19 44 03.9 38.87N 26.41E 10–0 2.5L **¶611017468**
DDA VI 19 19 44 04.1–.00 38.88N 26.41E 6–3 2.5L
THE VI 19 19 44 04.6 38.88N 26.40E 5–2 2.3L
ATH VI 19 19 44 04.8 38.87N 26.40E 10–1 2.5L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=2.0km s-min=0.5km az=296.0.
ATH Event type ke. Error ellipse: s-maj=2.0km s-min=0.8km az=291.0. ML Amplitudes are expressed in micrometers.
ISC VI 19 20 09 12.5–.88 39.07N–.01 25.97E–.02 18–4 135 0-7
DDA VI 19 20 09 11.5–.00 39.06N 26.01E 26–1 3.3L **¶611017471**
ISK VI 19 20 09 12.4 39.04N 25.94E 8–0 3.5L
THE VI 19 20 09 12.8 39.04N 26.01E 1–3 3.4L
ATH VI 19 20 09 12.8 39.05N 26.00E 12–1 3.3L
SOF VI 19 20 09 20.5 39.79N 25.98E 10 3.1
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=3.3km s-min=0.9km az=264.0.
ATH Event type ke. Error ellipse: s-maj=2.0km s-min=0.9km az=69.0. ML Amplitudes are expressed in micrometers.
ISC VI 19 23 30 12.4–.83 38.83N–.02 26.45E–.02 15–6 100 0-4
THE VI 19 23 30 12.3 38.84N 26.47E 3–3 3.0L **¶611017476**
ISK VI 19 23 30 12.0 38.84N 26.45E 12–0 3.0L
ATH VI 19 23 30 12.7 38.83N 26.45E 13–1 3.1L
DDA VI 19 23 30 12.1–.00 38.83N 26.44E 15–1 3.2L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=3.0km s-min=0.5km az=240.0.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.9km s-min=0.9km az=283.0. ML Amplitudes are expressed in micrometers.
ISC VI 20 03 13 33.5–.92 38.97N–.01 26.25E–.02 11–7 3.4b,2.7s 222 0-41
IDC VI 20 03 13 31.9–1.2 38.99N 26.26E 0 3.5L,3.4 **¶610681920**
ISK VI 20 03 13 32.9 38.97N 26.26E 8–0 3.8L,3.4
DDA VI 20 03 13 32.9–.00 38.95N 26.25E 7–2 3.8W,3.4
THE VI 20 03 13 33.6 38.97N 26.27E 6–1 3.6L,3.4
ATH VI 20 03 13 34.0 38.98N 26.25E 8–1 3.8L,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=16.8km s-min=15.0km az=94.0.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.5km az=116.0.
ATH Event type ke. Error ellipse: s-maj=1.3km s-min=0.7km az=80.0. ML Amplitudes are expressed in micrometers.
ISC VI 20 03 50 19.8–1.0 38.87N–.02 26.09E–.03 16–9 78 0-2
ISK VI 20 03 50 19.9 38.88N 26.08E 8–0 2.5L **¶611510410**
DDA VI 20 03 50 20.0–.00 38.87N 26.08E 7–1 2.2L
ATH VI 20 03 50 20.6 38.87N 26.10E 13–1 2.4L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.8km s-min=0.7km az=115.0. ML Amplitudes are expressed in micrometers.
ISC VI 20 08 33 05.2–.86 38.84N–.02 26.41E–.02 14–7 74 0-2
ISK VI 20 08 33 04.6 38.85N 26.42E 10–0 2.5L **¶611017480**
DDA VI 20 08 33 04.4–.00 38.84N 26.43E 7–2 2.2L
THE VI 20 08 33 05.5 38.83N 26.35E 10–1 2.2L
ATH VI 20 08 33 05.4 38.85N 26.40E 10–2 2.3L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=2.3km s-min=0.8km az=266.0.
ATH Event type ke. Error ellipse: s-maj=2.9km s-min=0.8km az=342.0. ML Amplitudes are expressed in micrometers.
ISC VI 20 09 07 09.5–.92 38.86N–.02 26.27E–.03 11–8 69 0-2
ISK VI 20 09 07 08.9 38.87N 26.27E 9–0 2.6L **¶611017481**
DDA VI 20 09 07 08.9–.00 38.85N 26.25E 6–2 2.5L
THE VI 20 09 07 09.4 38.87N 26.26E 5–2 2.5L
ATH VI 20 09 07 09.3 38.86N 26.31E 11–2 2.5L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=2.9km s-min=1.1km az=331.0.
ATH Event type ke. Manual Solution by A.Plessa ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
DDA VI 20 09 13 45.3–.00 38.84N 26.24E 7–6 1.7L
¶617196481
ISC VI 20 09 42 16.8–.90 38.90N–.02 26.17E–.02 13–7 89 0-3
DDA VI 20 09 42 15.7–.00 38.89N 26.16E 24–1 3.0L **¶611017482**
ATH VI 20 09 42 16.9 38.90N 26.20E 12–2 2.9L
ISK VI 20 09 42 16.1 38.90N 26.17E 10–0 3.0L
THE VI 20 09 42 16.9 38.90N 26.17E 10–1 2.8L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.1km s-min=0.9km az=79.0. ML Amplitudes are expressed in micrometers.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.6km az=47.0.
ISC VI 20 09 48 48.4–.82 38.81N–.02 26.45E–.02 15–6 72 0-2
ISK VI 20 09 48 47.9 38.82N 26.47E 16–0 2.5L **¶611017483**
DDA VI 20 09 48 48.2–.00 38.82N 26.45E 7–3 2.4L
THE VI 20 09 48 48.9 38.82N 26.41E 11–1 2.3L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.6km az=262.0.
DDA VI 20 10 15 43.0–.00 38.87N 26.35E 7–3 2.5L
¶617196482
ISC VI 20 10 15 54.2–.95 38.87N–.02 26.35E–.03 15–8 48 0-2
ISK VI 20 10 15 53.7 38.89N 26.36E 8–0 2.6L **¶612625711**
DDA VI 20 10 15 54.4–.00 38.86N 26.42E 7–4 2.7L
ISC Event type ke.
ISK Event type ke.
ISK VI 20 10 17 22.6 38.82N 26.46E 11–0 2.5L
DDA VI 20 10 17 22.6–.00 38.81N 26.43E 7–3 2.2L **¶611510450**
ISK Event type ke.
ISC VI 20 13 02 48.4–1.0 38.88N–.02 26.17E–.03 9–9 91 0-3
DDA VI 20 13 02 48.3–.00 38.89N 26.20E 7–2 2.7L **¶611017487**
ISK VI 20 13 02 48.3 38.89N 26.16E 14–0 3.0L
THE VI 20 13 02 49.0 38.90N 26.22E 5–1 2.7L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.4km az=88.0.
ISK VI 20 13 09 35.8 38.92N 26.23E 8–0 2.4L
DDA VI 20 13 09 35.5–.00 38.88N 26.22E 7–3 2.2L **¶611017488**
THE VI 20 13 09 36.3 38.90N 26.16E 16–1 2.0L
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=2.6km s-min=0.7km az=271.0.
ISC VI 20 14 09 10.3–.92 38.81N–.02 26.49E–.02 11–7 75 0-2
ISK VI 20 14 09 09.4 38.82N 26.50E 5–0 2.5L **¶611017490**
DDA VI 20 14 09 09.8–.00 38.80N 26.50E 7–2 2.2L
ATH VI 20 14 09 10.3 38.81N 26.46E 10–3 2.2L
THE VI 20 14 09 10.2 38.80N 26.47E 6–4 2.2L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.3km s-min=0.8km az=295.0. ML Amplitudes are expressed in micrometers.
THE Event type ke. Error ellipse: s-maj=4.7km s-min=0.4km az=260.0.
ISC VI 20 14 16 32.7–.84 38.83N–.02 26.46E–.02 13–6 91 0-2
THE VI 20 14 16 32.6 38.81N 26.44E 7–1 2.5L **¶611017491**
ISK VI 20 14 16 32.3 38.83N 26.47E 9–0 2.8L
DDA VI 20 14 16 32.2–.00 38.83N 26.47E 7–3 2.6L
ATH VI 20 14 16 32.8 38.82N 26.47E 11–1 2.5L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.5km az=177.0.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.3km s-min=0.9km az=282.0. ML Amplitudes are expressed in micrometers.
ISC VI 20 15 28 51.5–.88 38.88N–.02 26.21E–.02 15–7 87 0-2
ISK VI 20 15 28 51.1 38.88N 26.20E 12–0 3.2L **¶611017493**
DDA VI 20 15 28 51.5–.00 38.88N 26.24E 7–2 3.1L
ATH VI 20 15 28 51.5 38.88N 26.21E 16–1 3.0L
THE VI 20 15 28 51.9 38.89N 26.22E 10–1 3.0L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.4km s-min=0.6km az=102.0. ML Amplitudes are expressed in micrometers.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.6km az=63.0.
ISC VI 20 16 36 19.2–.88 38.82N–.02 26.45E–.02 10–7 72 0-2
ISK VI 20 16 36 18.8 38.82N 26.47E 9–0 2.5L **¶611017494**
DDA VI 20 16 36 18.5–.00 38.81N 26.42E 8–2 2.4L
THE VI 20 16 36 19.6 38.80N 26.40E 6–1 2.5L
ATH VI 20 16 36 19.4 38.81N 26.44E 9–2 2.4L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.5km az=161.0.
ATH Event type ke. Error ellipse: s-maj=2.9km s-min=0.8km az=313.0. ML Amplitudes are expressed in micrometers.
ISC VI 20 20 32 47.4–.85 38.86N–.02 26.43E–.02 13–7 89 0-2
ISK VI 20 20 32 47.0 38.85N 26.45E 9–0 2.5L **¶611017500**
ATH VI 20 20 32 47.8 38.86N 26.40E 9–1 2.5L
THE VI 20 20 32 47.3 38.85N 26.44E 10–1 2.2L
DDA VI 20 20 32 47.0–.00 38.84N 26.44E 7–2 2.1L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.9km s-min=0.9km az=289.0. ML Amplitudes are expressed in micrometers.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.5km az=282.0.
ISC VI 21 01 31 16.9–.85 38.79N–.02 26.38E–.02 12–6 91 0-3
THE VI 21 01 31 16.8 38.78N 26.39E 3–1 2.4L **¶611017510**
DDA VI 21 01 31 16.5–.00 38.78N 26.37E 7–2 2.7L
ISK VI 21 01 31 16.6 38.79N 26.38E 8–0 2.7L
ATH VI 21 01 31 17.1 38.79N 26.39E 10–1 2.4L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.4km az=81.0.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.8km s-min=0.8km az=283.0. ML Amplitudes are expressed in micrometers.
ISC VI 21 06 34 07.9–.94 38.87N–.02 26.17E–.02 18–5 124 0-8
ISK VI 21 06 34 07.7 38.88N 26.19E 11–0 3.4L **¶611017523**
DDA VI 21 06 34 07.8–.00 38.87N 26.22E 16–2 3.2L
THE VI 21 06 34 08.4 38.88N 26.19E 16–0 3.1L
ATH VI 21 06 34 08.5 38.88N 26.18E 13–1 3.2L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.5km az=261.0.
ATH Event type ke. Error ellipse: s-maj=1.6km s-min=0.8km az=300.0. ML Amplitudes are expressed in micrometers.
ISC VI 21 10 57 25.9–.86 38.83N–.02 26.40E–.02 12–7 78 0-2
ISK VI 21 10 57 25.6 38.83N 26.41E 10–0 2.9L **¶611017528**
DDA VI 21 10 57 25.5–.00 38.82N 26.38E 7–4 2.7L
THE VI 21 10 57 25.9 38.83N 26.36E 4–3 2.7L
ATH VI 21 10 57 26.1 38.84N 26.40E 10–1 2.7L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=3.2km s-min=0.6km az=252.0.
ATH Event type ke. Error ellipse: s-maj=2.2km s-min=0.8km az=292.0. ML Amplitudes are expressed in micrometers.
ISC VI 21 15 09 60.0–.84 38.84N–.02 26.43E–.02 15–6 88 0-3
DDA VI 21 15 09 59.4–.00 38.84N 26.44E 7–2 2.7L **¶611017534**
THE VI 21 15 09 59.8 38.82N 26.43E 5–1 2.5L
ISK VI 21 15 09 59.5 38.85N 26.43E 10–0 2.8L
ATH VI 21 15 10 00.1 38.83N 26.43E 12–2 2.5L

ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.4km az=202.0.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.1km s-min=0.7km az=315.0. ML Amplitudes are expressed in micrometers.
ISC VI 21 16 39 36.6–.90 38.99N–.01 26.27E–.02 11–7 104 0-2
DDA VI 21 16 39 35.9–.00 38.98N 26.27E 11–2 2.8L **¶611017536**
ISK VI 21 16 39 35.9 38.98N 26.27E 9–0 2.7L
THE VI 21 16 39 36.4 38.99N 26.27E 1–1 2.6L
ATH VI 21 16 39 36.8 38.99N 26.26E 6–1 2.5L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.3km az=232.0.
ATH Event type ke. Error ellipse: s-maj=1.8km s-min=1.0km az=353.0. ML Amplitudes are expressed in micrometers.
ISC VI 22 02 48 53.2–.52 38.82N–.01 26.48E–.02 12–3 4.8b,4.3s 733 0-128
IDC VI 22 02 48 51.4–.46 38.90N 26.49E 0 4.5b,4.4 **¶615817776**
BJI VI 22 02 48 51.0–.00 38.80N 26.50E 10 5.1b,4.7b
ISK VI 22 02 48 52.4 38.83N 26.47E 15–0 5.0L,4.7b
DDA VI 22 02 48 52.6–.00 38.82N 26.45E 14–1 5.0W,4.7b
PDG VI 22 02 48 53.0–.54 38.80N 26.47E 23–0 4.9L,4.7b
ATH VI 22 02 48 53.1 38.81N 26.49E 14 5.0W,4.7b
THE VI 22 02 48 53.2 38.82N 26.43E 8–0 4.8L,4.7b
NEIC VI 22 02 48 53.1–1.6 38.83N–.05 26.47E–.06 10–1 4.9b,4.8
NEIC VI 22 02 48 53.1 38.83N 26.47E 10 4.9b,4.8
MED_R VI 22 02 48 53.0–.20 38.82N 26.47E 12–1 5.0W,4.8
GCMT VI 22 02 48 54.1–.20 38.77N–.01 26.53E–.02 12 5.0W,4.8
CFUSG VI 22 02 48 56.8 39.31N 26.73E 15 5.0W,4.8
GII VI 22 02 48 59.8–.00 38.16N 26.72E 10 4.3b,4.2
BGR VI 22 02 49 00.7 38.65N 25.48E 33 4.2b,4.2
NAO VI 22 02 49 27.5 41.75N 24.98E 33 4.5b,4.2
ISC Event type ke.
IDC Error ellipse: s-maj=10.3km s-min=9.1km az=12.0.
ISK Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.4km s-min=0.8km az=0.0.
ATH Moment Tensor Solution. s12 Moment tensor: M_{rr}-1.77 $M_{\theta\theta}$3.07 $M_{\phi\phi}$-1.30 $M_{r\theta}$-1.43 $M_{\theta\phi}$0.17 $M_{\phi r}$2.12 NP1:ϕ_s123.00000°,δ71.00000°,λ-52.00000°. NP2:ϕ_s235.00000°,δ42.00000° ,λ-151.00000°.
THE Event type ke. Error ellipse: s-maj=0.8km s-min=0.4km az=64.0.
NEIC Event type se. Error ellipse: s-maj=8.2km s-min=7.9km az=276.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-0.54 $M_{\theta\theta}$2.37 $M_{\phi\phi}$-1.83 $M_{r\theta}$-0.38 $M_{\theta\phi}$-0.24 $M_{\phi r}$0.27 NP1:ϕ_s228.24000°,δ77.10000°,λ-177.80000°. NP2:ϕ_s137.75000° ,δ87.85000°,λ-12.91000°. Principal axes: T 2.4393,Plg8.0000°,Azm184.0000° ; N -0.5503,Plg77.0000°,Azm308.0000°; P -1.8890,Plg11.0000°,Azm92.0000° $M_0$2.22000×10^{16}
NEIC Event type se.
MED_R nsta1 refers to body waves. nsta2 refers to surface waves, cutoff=35s. Moment Tensor Solution. Mantle waves: s20,c35;Duration: 1s2 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.00±.17 $M_{\theta\theta}$3.56±.13; $M_{\phi\phi}$-1.56±.08; $M_{r\theta}$-0.66±.18; $M_{\theta\phi}$-0.33±.08; $M_{\phi r}$1.20±.24; Best double couple: NP1:ϕ_s125.00000°,δ63.00000°,λ-46.00000°. NP2:ϕ_s240.00000°,δ50.00000°,λ-144.00000°. Principal axes: T 3.6800,Plg8.0000°,Azm185.0000°; N -0.6700,Plg38.0000°,Azm281.0000° ; P -3.0100,Plg51.0000°,Azm86.0000° $M_0$3.35000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s32,c36; s98,c146;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.05±.12 $M_{\theta\theta}$4.54±.09; $M_{\phi\phi}$-1.49±.10; $M_{r\theta}$-1.38±.28; $M_{\theta\phi}$-0.24±.09; $M_{\phi r}$1.94±.38; Best double couple: NP1:ϕ_s120.00000°,δ63.00000°,λ-55.00000°. NP2:ϕ_s243.00000°,δ43.00000°,λ-138.00000°. Principal axes: T 4.8380,Plg11.0000° ,Azm186.0000°; N -0.3610,Plg31.0000°,Azm282.0000°; P -4.4770,Plg57.0000° ,Azm78.0000° $M_0$4.65800×10^{16}
CFUSG Western Turkey. Magtype MSH 4.2 from 5 stations.
GII Event type ke.
BGR Event type ke.
ISC VI 22 02 52 27.1–.88 38.83N–.02 26.46E–.03 13–7 46 0-2
ISK VI 22 02 52 26.4 38.82N 26.45E 14–0 2.5L **¶611017544**
THE VI 22 02 52 27.3 38.82N 26.44E 2–8 2.3L
DDA VI 22 02 52 27.0–.00 38.81N 26.46E 7–2 2.4L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=8.7km s-min=0.8km az=14.0.
ISK VI 22 03 01 56.7 38.80N 26.47E 17–0 1.6L
¶617481145
ISK Event type ke.
DDA VI 22 03 02 27.2–.00 38.80N 26.50E 7–5 1.5L
¶611510583
ISC VI 22 03 13 22.0–.84 38.82N–.02 26.46E–.02 14–6 78 0-4
ISK VI 22 03 13 21.6 38.83N 26.47E 10–0 3.3L **¶611510585**
DDA VI 22 03 13 21.6–.00 38.83N 26.46E 7–2 3.2W
THE VI 22 03 13 22.0 38.82N 26.44E 4–2 2.9L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=2.5km s-min=0.6km az=279.0.
ISC VI 22 03 35 02.6–.85 38.82N–.02 26.46E–.02 15–6 71 0-3
ISK VI 22 03 35 01.9 38.83N 26.46E 14–0 3.0L **¶611017548**
DDA VI 22 03 35 02.3–.00 38.82N 26.46E 8–2 2.8L
THE VI 22 03 35 02.5 38.84N 26.48E 8–1 2.6L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=2.0km s-min=0.6km az=54.0.
ISC VI 22 04 15 14.1–.89 38.82N–.02 26.46E–.03 16–7 45 0-1
DDA VI 22 04 15 13.9–.00 38.81N 26.47E 7–2 2.1L **¶611510603**
ISK VI 22 04 15 13.7 38.83N 26.45E 10–0 2.3L
ISC Event type ke.
ISK Event type ke.
ATH VI 22 04 36 23.7 38.86N 26.44E 13–1 1.1L
DDA VI 22 04 36 22.5–.00 38.85N 26.45E 7–2 1.3L **¶617481153**
ATH Event type ke. Manual Solution by M.Kolligri ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
ISC VI 22 04 36 57.1–.85 38.89N–.02 26.42E–.02 15–6 75 0-2
DDA VI 22 04 36 56.9–.00 38.89N 26.44E 16–2 2.5L **¶612625779**
ISK VI 22 04 36 56.7 38.89N 26.43E 10–0 2.5L
THE VI 22 04 36 57.8 38.90N 26.34E 10–1 2.2L
ATH VI 22 04 36 57.5 38.89N 26.41E 9–2 2.3L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.5km az=69.0.
ATH Event type ke. Error ellipse: s-maj=2.6km s-min=0.8km az=305.0. ML Amplitudes are expressed in micrometers.
ISC VI 22 04 44 22.3–.82 38.82N–.01 26.47E–.02 16–6 81 0-2
ISK VI 22 04 44 21.9 38.83N 26.46E 12–0 3.9L **¶611017551**
THE VI 22 04 44 22.2 38.82N 26.46E 5–3 2.8L
ATH VI 22 04 44 22.5 38.83N 26.47E 12–2 3.0L
DDA VI 22 04 44 22.0–.00 38.83N 26.46E 7–2 2.9L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=3.8km s-min=0.7km az=253.0.
ATH Event type ke. Error ellipse: s-maj=2.4km s-min=0.8km az=291.0. ML Amplitudes are expressed in micrometers.
ISC VI 22 04 53 04.0–.83 38.87N–.01 26.37E–.02 16–6 153 0-9
THE VI 22 04 53 03.9 38.86N 26.35E 9–1 3.6L **¶611017552**
ISK VI 22 04 53 03.2 38.87N 26.37E 15–0 4.1L
DDA VI 22 04 53 03.5–.00 38.87N 26.38E 7–2 3.8W
ATH VI 22 04 53 04.0 38.87N 26.38E 11–0 3.8L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.5km az=46.0.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.3km s-min=0.7km az=289.0. ML Amplitudes are expressed in micrometers.
DDA VI 22 06 08 13.2–.00 38.84N 26.28E 7–6 1.1L
¶612625792
ISC VI 22 06 46 57.0–.83 38.81N–.01 26.46E–.02 14–6 100 0-4
ISK VI 22 06 46 56.6 38.83N 26.48E 11–0 3.5L **¶611017553**
DDA VI 22 06 46 56.7–.00 38.81N 26.44E 11–2 3.2L
THE VI 22 06 46 56.9 38.82N 26.47E 8–2 3.3L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=2.6km s-min=0.7km az=283.0.
ISC VI 22 07 02 40.0–.85 38.81N–.02 26.47E–.02 15–7 85 0-3
THE VI 22 07 02 39.7 38.81N 26.47E 5–3 2.6L **¶611017554**
ISK VI 22 07 02 39.6 38.81N 26.45E 6–0 2.6L
ATH VI 22 07 02 39.8 38.82N 26.48E 15–1 2.7L
DDA VI 22 07 02 39.6–.00 38.81N 26.48E 7–2 2.3L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=3.0km s-min=0.5km az=242.0.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.8km s-min=0.9km az=103.0. ML Amplitudes are expressed in micrometers.
ISC VI 22 07 51 13.9–.83 38.83N–.02 26.46E–.02 14–6 94 0-3
THE VI 22 07 51 13.8 38.81N 26.42E 5–3 2.8L **¶611017556**
ISK VI 22 07 51 13.1 38.83N 26.46E 13–0 3.0L
DDA VI 22 07 51 13.4–.00 38.82N 26.48E 2–0 2.5L
ATH VI 22 07 51 14.1 38.83N 26.46E 12–1 2.9L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=3.3km s-min=0.6km az=262.0.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.9km s-min=0.7km az=290.0. ML Amplitudes are expressed in micrometers.
ISC VI 22 08 30 38.1–.86 38.83N–.02 26.45E–.02 11–7 94 0-3
THE VI 22 08 30 37.8 38.85N 26.48E 5–2 2.9L **¶611017558**
ISK VI 22 08 30 37.3 38.84N 26.45E 9–0 3.0L
DDA VI 22 08 30 37.1–.00 38.82N 26.46E 1–1 2.7L
ATH VI 22 08 30 38.2 38.83N 26.46E 8–1 2.8L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=2.9km s-min=0.6km az=255.0.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.2km s-min=0.9km az=299.0. ML Amplitudes are expressed in micrometers.
ISC VI 22 08 32 24.1–.87 38.84N–.02 26.48E–.02 12–7 98 0-4
THE VI 22 08 32 23.9 38.85N 26.50E 3–2 3.2L **¶611017559**
ISK VI 22 08 32 23.5 38.84N 26.45E 11–0 3.2L
DDA VI 22 08 32 23.7–.00 38.81N 26.45E 14–1 3.4L
ATH VI 22 08 32 24.4 38.84N 26.50E 7–1 3.1L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=2.5km s-min=0.6km az=245.0.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.9km s-min=0.9km az=286.0. ML Amplitudes are expressed in micrometers.
DDA VI 22 09 46 38.5–.00 38.78N 26.35E 7–1 1.3L
¶612625812
ISC VI 22 11 08 40.9–.86 38.83N–.02 26.46E–.02 14–6 81 0-2
ISK VI 22 11 08 40.1 38.84N 26.45E 13–0 2.7L **¶611017563**
DDA VI 22 11 08 40.5–.00 38.83N 26.47E 9–2 2.5L
THE VI 22 11 08 41.1 38.82N 26.42E 8–5 2.3L
ATH VI 22 11 08 41.1 38.82N 26.47E 9–1 2.4L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=5.4km s-min=0.9km az=245.0.
ATH Event type ke. Error ellipse: s-maj=2.3km s-min=0.9km az=287.0. ML Amplitudes are expressed in micrometers.
ISC VI 22 12 55 56.6–.78 38.83N–.02 26.47E–.02 14–6 91 0-2
ISK VI 22 12 55 55.4 38.83N 26.46E 18–0 2.7L **¶611017565**
THE VI 22 12 55 56.5 38.83N 26.46E 7–2 2.6L
ATH VI 22 12 55 56.7 38.83N 26.50E 6–2 2.7L
DDA VI 22 12 55 56.0–.00 38.83N 26.45E 6–1 2.7L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=2.6km s-min=0.7km az=145.0.
ATH Event type ke. Error ellipse: s-maj=2.5km s-min=0.8km az=299.0. ML Amplitudes are expressed in micrometers.
ISC VI 22 13 27 25.6–.88 38.86N–.01 26.42E–.02 12–7 96 0-3
ISK VI 22 13 27 24.9 38.86N 26.43E 9–0 3.1L **¶611017567**
THE VI 22 13 27 25.7 38.86N 26.43E 10–1 2.8L
ATH VI 22 13 27 25.9 38.86N 26.42E 8–1 2.9L
DDA VI 22 13 27 25.0–.00 38.84N 26.43E 7–1 2.8L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.6km az=257.0.
ATH Event type ke. Error ellipse: s-maj=2.0km s-min=0.8km az=290.0. ML Amplitudes are expressed in micrometers.
ISC VI 22 13 41 04.0–.96 38.93N–.02 26.32E–.02 10–8 74 0-3
ISK VI 22 13 41 03.3 38.93N 26.33E 7–0 2.6L **¶611017569**
ATH VI 22 13 41 03.8 38.92N 26.32E 6–2 2.6L
DDA VI 22 13 41 03.1–.00 38.91N 26.31E 6–2 2.5L
THE VI 22 13 41 04.2 38.94N 26.30E 7–1 2.3L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.5km s-min=0.9km az=321.0. ML Amplitudes are expressed in micrometers.
THE Event type ke. Error ellipse: s-maj=2.0km s-min=0.7km az=54.0.
ISC VI 22 13 44 10.6–.96 38.85N–.02 26.41E–.04 11–8 38 0-1
DDA VI 22 13 44 10.4–.00 38.84N 26.45E 7–3 2.5L **¶611017570**
THE VI 22 13 44 10.9 38.85N 26.42E 7–2 2.3L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=2.1km s-min=0.8km az=321.0.
ISC VI 22 15 32 03.8–.92 38.97N–.02 26.25E–.02 11–8 67 0-2
ISK VI 22 15 32 03.3 38.98N 26.27E 8–0 2.6L **¶611017575**
ATH VI 22 15 32 03.7 38.97N 26.25E 10–2 2.4L
DDA VI 22 15 32 03.4–.00 38.97N 26.26E 7–2 2.2L
THE VI 22 15 32 04.0 38.99N 26.23E 2–2 2.3L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.8km s-min=1.2km az=10.0. ML Amplitudes are expressed in micrometers.
THE Event type ke. Error ellipse: s-maj=2.2km s-min=0.6km az=306.0.
ISK VI 22 22 15 45.3 38.79N 26.56E 13–1 1.2L
DDA VI 22 22 15 47.4–.00 38.68N 26.32E 7–5 1.2L **¶611510716**
ISK Event type ke.
ISC VI 23 02 47 32.9–.94 38.92N–.02 26.32E–.03 11–8 62 0-2
ISK VI 23 02 47 32.4 38.93N 26.35E 12–0 2.5L **¶611017592**
DDA VI 23 02 47 32.7–.00 38.92N 26.33E 7–1 2.6L
THE VI 23 02 47 33.1 38.92N 26.31E 6–1 2.4L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.7km az=243.0.
ISC VI 23 04 12 59.6–.80 38.82N–.02 26.48E–.02 14–5 3.4b 151 0-42
IDC VI 23 04 12 57.9–1.1 38.76N 26.62E 0 3.7L,3.5 **¶610760990**
ISK VI 23 04 12 58.8 38.83N 26.47E 14–0 4.0L,3.5
ATH VI 23 04 12 59.6 38.83N 26.49E 12–1 3.7L,3.5
DDA VI 23 04 12 59.0–.00 38.83N 26.46E 7–3 3.7W,3.5
THE VI 23 04 12 59.1 38.82N 26.45E 3–1 3.5L,3.5
NAO VI 23 04 13 10.5 40.11N 28.51E 33 3.3b,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=20.3km s-min=17.7km az=144.0.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.2km s-min=1.0km az=284.0. ML Amplitudes are expressed in micrometers.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.5km az=230.0.
ISC VI 23 07 13 45.7–.88 38.97N–.01 26.29E–.02 14–7 124 0-4
ISK VI 23 07 13 44.9 38.96N 26.26E 11–0 3.2L **¶611017601**
THE VI 23 07 13 45.6 38.98N 26.30E 8–1 3.3L
DDA VI 23 07 13 45.4–.00 38.95N 26.27E 7–3 3.2L
ATH VI 23 07 13 46.0 38.97N 26.29E 10–1 3.2L

ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.6km az=69.0.
ATH Event type ke. Error ellipse: s-maj=1.8km s-min=0.9km az=80.0. ML Amplitudes are expressed in micrometers.
ISC VI 23 07 19 04.3–.94 38.81N–.02 26.50E–.02 19–2 60 0-1
THE VI 23 07 19 04.5 38.82N 26.46E 4–14 2.2L **¶612625867**
ISK VI 23 07 19 04.3 38.83N 26.48E 10–0 2.5L
DDA VI 23 07 19 04.3–.00 38.82N 26.48E 7–2 2.2L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=14.9km s-min=1.0km az=339.0.
ISK Event type ke.
ISC VI 23 14 41 09.1–.81 38.82N–.02 26.47E–.02 16–6 93 0-2
ISK VI 23 14 41 08.7 38.83N 26.48E 10–0 3.0L **¶611017609**
DDA VI 23 14 41 08.8–.00 38.83N 26.47E 7–2 3.1L
THE VI 23 14 41 09.1 38.82N 26.48E 13–1 2.9L
ATH VI 23 14 41 09.3 38.82N 26.49E 12–1 3.0L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.6km az=243.0.
ATH Event type ke. Error ellipse: s-maj=1.6km s-min=0.7km az=293.0. ML Amplitudes are expressed in micrometers.
ISC VI 23 18 07 36.9–.85 38.83N–.02 26.45E–.03 13–7 68 0-2
ISK VI 23 18 07 36.6 38.82N 26.46E 9–0 2.5L **¶611017613**
DDA VI 23 18 07 36.4–.00 38.81N 26.46E 7–4 2.3L
THE VI 23 18 07 37.4 38.83N 26.46E 12–1 2.3L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.5km az=248.0.
ISK VI 23 21 51 17.8 38.82N 26.48E 16–0 1.6L
DDA VI 23 21 51 17.8–.00 38.83N 26.47E 10–5 1.2L **¶611510802**
ISK Event type ke.
ISC VI 23 23 48 43.2–.87 38.94N–.01 26.26E–.02 15–7 108 0-3
DDA VI 23 23 48 42.8–.00 38.94N 26.26E 7–2 2.8L **¶617195757**
ISK VI 23 23 48 42.9 38.94N 26.26E 10–0 2.7L
ATH VI 23 23 48 43.3 38.94N 26.27E 11–1 2.6L
THE VI 23 23 48 43.7 38.95N 26.22E 10–1 2.7L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.9km s-min=0.7km az=275.0. ML Amplitudes are expressed in micrometers.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.5km az=276.0.
ISK VI 24 01 05 19.6 38.81N 26.51E 16–0 1.7L
DDA VI 24 01 05 19.5–.00 38.79N 26.45E 15–1 1.5L **¶611510828**
ISK Event type ke.
ISK VI 24 02 00 29.2 38.88N 26.46E 9–1 0.9L
DDA VI 24 02 00 36.3–.00 39.45N 26.23E 7–3 1.0L **¶611510846**
ISK Event type ke.
ISK VI 24 02 43 50.6 38.83N 26.48E 17–0 1.0L
¶611510856
ISK Event type ke.
ISC VI 24 03 21 05.5–.86 38.92N–.01 26.29E–.02 16–7 161 0-8
DDA VI 24 03 21 04.9–.00 38.90N 26.29E 8–3 3.6W **¶611017627**
ISK VI 24 03 21 04.9 38.93N 26.29E 14–0 3.5L
THE VI 24 03 21 05.8 38.92N 26.25E 8–1 3.2L
ATH VI 24 03 21 05.6 38.90N 26.32E 11–1 2.9L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.5km az=49.0.
ATH Event type ke. Error ellipse: s-maj=2.0km s-min=0.7km az=273.0. ML Amplitudes are expressed in micrometers.
ISC VI 24 10 57 12.2–.95 38.82N–.02 26.37E–.04 15–7 34 0-2
ISK VI 24 10 57 11.8 38.83N 26.37E 10–0 2.5L **¶611510892**
DDA VI 24 10 57 12.1–.00 38.82N 26.39E 7–2 2.2L
ISC Event type ke.
ISK Event type ke.
ISC VI 24 11 12 49.1–.90 38.82N–.02 26.36E–.02 11–8 70 0-2
ISK VI 24 11 12 48.7 38.84N 26.38E 5–0 2.8L **¶611017636**
DDA VI 24 11 12 48.7–.00 38.82N 26.37E 7–2 2.6L
THE VI 24 11 12 49.2 38.81N 26.33E 5–3 2.4L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=3.0km s-min=0.8km az=169.0.
ISC VI 24 12 27 16.4–.97 38.92N–.02 26.22E–.03 15–8 51 0-2
ISK VI 24 12 27 16.2 38.92N 26.24E 14–0 2.5L **¶611017639**
THE VI 24 12 27 16.5 38.90N 26.21E 7–10 2.1L
DDA VI 24 12 27 16.4–.00 38.93N 26.24E 7–2 2.2L
ATH VI 24 12 27 17.3 38.94N 26.30E 14–1 2.3L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=10.9km s-min=1.4km az=267.0.
ATH Event type ke. Error ellipse: s-maj=2.2km s-min=1.0km az=273.0. ML Amplitudes are expressed in micrometers.
ISC VI 24 19 37 44.3–.88 38.83N–.02 26.46E–.02 15–7 69 0-2
DDA VI 24 19 37 43.8–.00 38.83N 26.48E 7–2 2.7L **¶611017649**
THE VI 24 19 37 44.6 38.82N 26.46E 10–2 2.4L
ISK VI 24 19 37 44.0 38.84N 26.46E 9–0 2.7L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=2.1km s-min=0.7km az=188.0.
ISK Event type ke.
DDA VI 25 01 08 36.4–.00 38.87N 26.86E 6–4 1.5L
ISK VI 25 01 08 36.5 38.84N 26.96E 7–3 1.4L **¶611510949**
ISK Event type ke.
ISK VI 25 01 09 01.8 38.86N 26.09E 5–0 1.9L
DDA VI 25 01 09 03.4–.00 38.81N 26.14E 7–1 1.8L **¶617196328**
ISK Event type ke.
ISC VI 25 03 54 31.7–.84 38.81N–.02 26.46E–.02 13–7 72 0-2
ISK VI 25 03 54 31.2 38.82N 26.45E 10–0 2.6L **¶611017660**
THE VI 25 03 54 31.9 38.81N 26.45E 10–1 2.3L
ATH VI 25 03 54 31.9 38.81N 26.49E 12–2 2.4L
DDA VI 25 03 54 31.1–.00 38.80N 26.43E 7–1 2.7L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.4km az=249.0.
ATH Event type ke. Error ellipse: s-maj=2.7km s-min=0.9km az=295.0. ML Amplitudes are expressed in micrometers.
ISK VI 25 07 01 01.0 38.08N 25.81E 10–0 2.0L
DDA VI 25 07 01 08.0–.00 38.48N 26.81E 7–5 1.2L **¶611510978**
ISK Event type ke.
ISC VI 25 10 37 55.1–.97 38.90N–.02 26.33E–.03 13–8 54 0-3
ISK VI 25 10 37 54.8 38.91N 26.33E 8–0 2.5L **¶611510990**
DDA VI 25 10 37 54.9–.00 38.91N 26.34E 7–4 2.7L
ISC Event type ke.
ISK Event type ke.
ISC VI 25 13 08 27.6–.88 38.81N–.02 26.37E–.02 11–7 89 0-3
ISK VI 25 13 08 26.9 38.82N 26.36E 11–0 2.9L **¶611017668**
DDA VI 25 13 08 27.0–.00 38.80N 26.36E 12–1 2.8L
THE VI 25 13 08 27.7 38.82N 26.38E 8–1 2.6L
ATH VI 25 13 08 27.9 38.82N 26.37E 11–2 2.7L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=2.0km s-min=0.6km az=287.0.
ATH Event type ke. Error ellipse: s-maj=2.7km s-min=0.9km az=300.0. ML Amplitudes are expressed in micrometers.
ISC VI 26 05 54 54.2–.80 38.81N–.01 26.48E–.02 16–5 3.7b,2.8s 338 0-77
IDC VI 26 05 54 52.4–.90 38.74N 26.58E 0 3.8L,3.7 **¶610694766**
ISK VI 26 05 54 53.2 38.82N 26.46E 13–0 4.2L,3.7
DDA VI 26 05 54 53.4–.00 38.80N 26.46E 17–1 4.1W,3.7
THE VI 26 05 54 53.8 38.82N 26.50E 4–0 4.2L,3.7
NEIC VI 26 05 54 54.3–2.1 38.79N–.05 26.47E–.04 10–2 4.1b,3.7
ATH VI 26 05 54 54.1 38.81N 26.50E 13–1 3.9L,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=15.4km s-min=14.0km az=89.0.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=0.8km s-min=0.2km az=112.0.
NEIC Event type se. Error ellipse: s-maj=8.6km s-min=4.3km az=195.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ATH Event type ke. Error ellipse: s-maj=1.8km s-min=0.7km az=289.0. ML Amplitudes are expressed in micrometers.
ISC VI 26 15 14 46.6–1.0 38.82N–.02 26.41E–.03 11–9 64 0-2
DDA VI 26 15 14 45.9–.00 38.82N 26.40E 7–3 2.7L **¶611017698**
THE VI 26 15 14 46.9 38.83N 26.45E 3–3 2.6L
ISK VI 26 15 14 46.4 38.84N 26.42E 10–0 2.9L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=3.9km s-min=0.6km az=229.0.
ISK Event type ke.
ISC VI 26 19 53 42.5–.96 38.07N–.02 25.88E–.02 14–8 170 0-8
ISK VI 26 19 53 41.2 38.09N 25.81E 15–0 3.5L **¶611017701**
ATH VI 26 19 53 42.7 38.07N 25.91E 14–1 3.3L
THE VI 26 19 53 42.5 38.05N 25.89E 10–1 3.5L
DDA VI 26 19 53 42.3–.00 38.06N 25.88E 7–3 3.2L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.5km s-min=0.7km az=87.0. ML Amplitudes are expressed in micrometers.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.5km az=106.0.
ISC VI 28 01 49 48.8–.84 38.89N–.01 26.36E–.02 14–6 3.3b 210 0-41
IDC VI 28 01 49 46.9–1.1 38.87N 26.33E 0 3.5L,3.4 **¶610696895**
THE VI 28 01 49 48.9 38.89N 26.34E 9–0 3.8L,3.4
DDA VI 28 01 49 48.7–.00 38.90N 26.37E 7–3 3.8W,3.4
ISK VI 28 01 49 48.2 38.88N 26.34E 9–0 3.8L,3.4
ATH VI 28 01 49 49.4 38.89N 26.37E 10–1 3.8L,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=16.2km s-min=14.5km az=85.0.
THE Event type ke. Error ellipse: s-maj=0.5km s-min=0.2km az=58.0.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.9km s-min=0.9km az=293.0. ML Amplitudes are expressed in micrometers.
ISC VI 29 06 12 09.1–.86 38.82N–.01 26.46E–.02 12–7 153 0-8
ISK VI 29 06 12 08.4 38.82N 26.45E 6–0 3.5L **¶611017763**
THE VI 29 06 12 08.8 38.82N 26.46E 5–2 3.3L
DDA VI 29 06 12 08.5–.00 38.82N 26.47E 7–2 3.6L
ATH VI 29 06 12 09.2 38.83N 26.49E 13–2 3.3L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=2.1km s-min=0.6km az=74.0.
ATH Event type ke. Error ellipse: s-maj=2.8km s-min=0.9km az=297.0. ML Amplitudes are expressed in micrometers.
ISC VI 29 07 51 15.5–.97 38.07N–.02 25.88E–.03 17–8 67 0-3
DDA VI 29 07 51 12.0–.00 38.01N 25.71E 6–3 2.8L **¶611017768**
ISK VI 29 07 51 14.2 38.07N 25.85E 15–0 2.8L
THE VI 29 07 51 15.7 38.07N 25.91E 15–0 2.8L
ATH VI 29 07 51 16.1 38.10N 25.90E 19–3 3.0L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.5km az=80.0.
ATH Event type ke. Error ellipse: s-maj=3.2km s-min=0.9km az=62.0. ML Amplitudes are expressed in micrometers.
ISC VI 29 08 01 39.1–.93 38.94N–.02 26.30E–.02 11–8 73 0-2
ISK VI 29 08 01 38.0 38.93N 26.29E 9–0 2.6L **¶611017769**
DDA VI 29 08 01 38.4–.00 38.94N 26.28E 22–3 2.6L
THE VI 29 08 01 39.3 38.94N 26.27E 5–1 2.4L
ATH VI 29 08 01 39.3 38.94N 26.31E 6–2 2.2L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.6km az=277.0.
ATH Event type ke. Error ellipse: s-maj=2.9km s-min=1.0km az=117.0. ML Amplitudes are expressed in micrometers.
ISC VI 29 18 19 05.2–.90 38.91N–.02 26.36E–.02 12–7 76 0-3
DDA VI 29 18 19 04.5–.00 38.89N 26.34E 15–2 2.8L **¶611017784**
ISK VI 29 18 19 04.7 38.92N 26.37E 7–0 2.9L
THE VI 29 18 19 05.7 38.92N 26.32E 6–1 2.5L
ATH VI 29 18 19 05.2 38.91N 26.39E 9–1 2.7L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.6km az=269.0.
ATH Event type ke. Error ellipse: s-maj=1.5km s-min=0.7km az=284.0. ML Amplitudes are expressed in micrometers.

(366) Turkey.

ISC I 02 01 50 57.3–.80 39.54N–.01 26.13E–.02 10–5 163 0-7
ISK I 02 01 50 56.7 39.54N 26.14E 6–0 3.6L **¶610678769**
DDA I 02 01 50 57.1–.00 39.54N 26.16E 10–1 3.5W
THE I 02 01 50 57.9 39.54N 26.11E 10–1 3.3L
SOF I 02 01 50 58.2 39.66N 26.03E 10 3.2
ATH I 02 01 50 58.6 39.50N 26.09E 17–1 3.1L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.6km az=100.0.
ATH Event type ke. Error ellipse: s-maj=2.2km s-min=0.9km az=126.0.
ISC I 02 14 30 38.2–.82 39.56N–.01 26.16E–.02 11–5 104 0-2
DDA I 02 14 30 38.8–.00 39.55N 26.17E 5–1 3.0L **¶610678776**
ISK I 02 14 30 38.2 39.54N 26.17E 6–0 3.1L
THE I 02 14 30 39.1 39.56N 26.08E 7–1 2.6L
ATH I 02 14 30 39.5 39.55N 26.07E 8–2 2.7L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.6km az=98.0.
ATH Event type ke. Error ellipse: s-maj=3.1km s-min=1.0km az=215.0.
ISC I 02 21 12 50.0–.82 39.55N–.02 26.15E–.02 10–5 72 0-2
ISK I 02 21 12 49.4 39.53N 26.17E 7–0 2.0L **¶610678779**
ATH I 02 21 12 50.9 39.54N 26.06E 12–2 2.0L
DDA I 02 21 12 50.0–.00 39.56N 26.16E 4–1 2.0L
THE I 02 21 12 50.4 39.55N 26.09E 8–1 1.7L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.5km s-min=1.0km az=259.0.
THE Event type ke. Error ellipse: s-maj=2.0km s-min=0.7km az=97.0.
DDA I 03 09 01 15.6–.00 38.48N 29.16E 7–2 1.1L
¶616063580
ISK I 03 09 06 40.9 37.07N 39.33E 12–0 2.1L
¶616063603
ISK Event type ke.
DDA I 03 09 07 18.8–.00 38.45N 38.65E 7–8 0.8L
¶610912414
ISC I 04 00 08 37.9–.91 36.23N–.03 29.33E–.02 42–6 3.2b 142 0-40
IDC I 04 00 08 32.4–1.3 36.38N 29.37E 0 3.6,3.5L **¶609975344**
DDA I 04 00 08 36.8–.00 36.28N 29.26E 42–0 4.1W,3.5L
NIC I 04 00 08 37.5–.00 36.23N 29.34E 51–1 3.8L,3.5L
ATH I 04 00 08 38.9 36.36N 29.24E 20–3 3.2L,3.5L
ISK I 04 00 08 38.8 36.36N 29.29E 31–0 3.5L,3.5L
THE I 04 00 08 39.6 36.28N 29.18E 8–3 3.2L,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=28.7km s-min=18.2km az=146.0.
NIC Event type ke.
ATH Event type ke. Error ellipse: s-maj=4.2km s-min=1.0km az=181.0.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=4.2km s-min=0.6km az=88.0.
ISK I 04 00 27 00.9 36.98N 29.31E 4–0 1.7L
DDA I 04 00 27 03.1–.00 37.04N 29.31E 11–4 1.6L **¶610912458**
ISK Event type ke.

ISC I 04 01 35 06.7–.90 36.05N–.03 29.46E–.02 32–3 3.5b 172 0-43
IDC I 04 01 35 02.9–.90 36.09N 29.39E 0 3.9L,3.8 **¶609977707**
DDA I 04 01 35 05.4–.00 36.03N 29.28E 26–2 3.9W,3.8
THE I 04 01 35 07.3 36.15N 29.32E 0–0 3.2L,3.8
NIC I 04 01 35 07.2–.00 36.15N 29.47E 30–1 3.9L,3.8
ISK I 04 01 35 07.1 36.19N 29.31E 12–0 3.6L,3.8
ATH I 04 01 35 08.0 36.22N 29.33E 11–6 3.2L,3.8
HLW I 04 01 35 07.5 35.98N 29.40E 16–14 3.7L,3.8
GII I 04 01 35 09.7–.45 35.93N 29.57E 40 3.5,3.3
ISC Event type ke.
IDC Error ellipse: s-maj=20.0km s-min=15.6km az=158.0.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.6km az=185.0.
NIC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=7.5km s-min=1.0km az=61.0.
GII Event type ke.
ISC I 04 13 04 12.8–1.1 37.87N–.03 43.49E–.03 4–11 28 0-2
ISK I 04 13 04 11.8 37.84N 43.59E 5–0 2.7L **¶610912496**
DDA I 04 13 04 12.7–.00 37.88N 43.49E 7–3 2.4L
ISC Event type ke.
ISK Event type ke.
ISC I 04 16 26 57.0–.90 38.77N–.03 43.32E–.04 18–8 31 0-3
ISK I 04 16 26 55.7 38.77N 43.32E 2–0 2.5L **¶610912504**
DDA I 04 16 26 56.0–.00 38.73N 43.37E 7–3 2.4L
ISC Event type ke.
ISK Event type ke.
ISC I 05 10 37 17.8–1.5 36.67N–.06 31.45E–.04 16–11 20 1-2
ISK I 05 10 37 17.9 36.59N 31.42E 23–0 2.3L **¶610912527**
DDA I 05 10 37 19.0–.00 36.89N 31.46E 7–6 1.8L
ISC Event type ke.
ISK Event type ke.
ISC I 06 01 45 49.8–.89 39.55N–.02 35.00E–.01 11–7 108 0-3
ISK I 06 01 45 49.4 39.55N 35.01E 5–0 3.4L **¶610912550**
DDA I 06 01 45 49.3–.00 39.57N 35.01E 10–3 3.6W
ISC Event type ke.
ISK Event type ke.
ISC I 06 06 37 28.8–1.0 39.23N–.02 28.12E–.03 13–10 60 0-3
ISK I 06 06 37 27.9 39.24N 28.05E 5–0 3.4L **¶610912559**
DDA I 06 06 37 28.6–.00 39.21N 28.11E 8–4 3.0L
ISC Event type ke.
ISK Event type ke.
ISC I 06 07 07 13.5–.87 39.55N–.03 26.13E–.03 10–6 32 0-2
DDA I 06 07 07 13.5–.00 39.56N 26.16E 7–1 2.0L **¶610912560**
ISK I 06 07 07 13.2 39.54N 26.09E 7–0 2.6L
ISC Event type ke.
ISK Event type ke.
ISC I 06 09 01 44.7–1.0 38.99N–.03 27.65E–.05 7–13 15 0-2
DDA I 06 09 01 43.8–.00 38.99N 27.63E 7–1 1.4L **¶610912563**
ISK I 06 09 01 44.7 38.96N 27.66E 4–0 2.6L
ISC Event type ke.
ISK Event type ke.
ISC I 06 13 39 02.8–1.0 39.91N–.03 32.83E–.03 3–8 34 0-2
ISK I 06 13 39 02.4 39.93N 32.82E 3–0 2.5L **¶610912567**
DDA I 06 13 39 03.3–.00 39.91N 32.84E 7–3 1.9L
ISC Event type ke.
ISK Event type ke.
ISC I 07 05 51 44.6–.92 38.42N–.04 38.98E–.03 13–6 22 0-2
DDA I 07 05 51 43.9–.00 38.34N 38.96E 7–1 1.8L **¶610912581**
ISK I 07 05 51 44.5 38.46N 39.00E 14–0 2.5L
ISC Event type ke.
ISK Event type ke.
ISC I 07 19 09 06.3–.86 39.38N–.02 26.15E–.02 13–5 70 0-2
ISK I 07 19 09 05.6 39.37N 26.14E 9–0 2.8L **¶610678844**
THE I 07 19 09 06.4 39.37N 26.12E 9–1 2.4L
ATH I 07 19 09 06.9 39.37N 26.10E 6–2 2.4L
DDA I 07 19 09 06.1–.00 39.38N 26.16E 7–1 2.5L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.5km az=161.0.
ATH Event type ke. Error ellipse: s-maj=2.7km s-min=0.8km az=179.0.
ISC I 08 12 43 06.7–.00 39.22N–.02 28.09E–.02 12–10 40 0-2
ISK I 08 12 43 06.5 39.22N 28.07E 11–0 2.5L **¶610912609**
DDA I 08 12 43 06.6–.00 39.22N 28.10E 7–3 2.1L
ISC Event type ke.
ISK Event type ke.
ISC I 08 13 34 40.4–.96 41.02N–.03 33.48E–.03 15–10 23 0-2
DDA I 08 13 34 39.7–.00 41.00N 33.51E 7–3 1.5L **¶610912610**
ISK I 08 13 34 39.9 41.04N 33.47E 18–0 2.6L
ISC Event type ke.
ISK Event type ke.
ISC I 08 18 04 58.3–.99 39.62N–.02 35.51E–.01 6–9 112 0-6
ISK I 08 18 04 56.9 39.61N 35.55E 5–0 3.5L **¶610912620**
DDA I 08 18 04 57.0–.00 39.66N 35.50E 6–3 3.7W
ISC Event type ke.
ISK Event type ke.
DDA I 09 02 17 57.5–.00 38.20N 27.28E 7–3 1.4L
¶612618363
ISC I 09 17 49 47.1–1.3 36.15N–.04 31.19E–.03 27–14 34 1-3
NIC I 09 17 49 47.9–.00 36.08N 31.19E 49–15 2.7L **¶610098399**
DDA I 09 17 49 47.8–.00 36.28N 31.05E 33–1 2.1L
ISC Event type ke.
NIC Event type ke.
ISC I 09 21 42 10.3–.93 38.91N–.02 43.53E–.03 8–7 37 0-3
ISK I 09 21 42 08.7 38.89N 43.56E 1–0 2.8L **¶610912652**
DDA I 09 21 42 10.2–.00 38.92N 43.49E 8–3 2.2L
ISC Event type ke.
ISK Event type ke.
ISC I 11 14 12 00.8–2.0 41.15N–.09 39.08E–.04 18–8 22 0-2
ISK I 11 14 12 01.5 41.08N 39.11E 16–0 2.5L **¶610912697**
DDA I 11 14 12 02.8–.00 41.03N 39.08E 7–2 1.7L
ISC Event type ke.
ISK Event type ke.
ISC I 12 07 30 06.0–.96 39.86N–.03 39.72E–.02 12–8 28 0-1
ISK I 12 07 30 05.7 39.88N 39.75E 8–0 2.5L **¶610912717**
DDA I 12 07 30 05.8–.00 39.86N 39.71E 7–3 1.6L
ISC Event type ke.
ISK Event type ke.
ISC I 12 08 52 49.4–.79 39.50N–.02 26.05E–.02 16–5 89 0-2
DDA I 12 08 52 49.6–.00 39.51N 26.06E 15–0 2.5L **¶610678950**
ISK I 12 08 52 49.0 39.51N 26.03E 14–0 2.9L
THE I 12 08 52 49.8 39.53N 26.00E 6–1 2.6L
ATH I 12 08 52 50.3 39.47N 26.01E 16–2 2.4L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.5km az=124.0.
ATH Event type ke. Error ellipse: s-maj=2.9km s-min=1.0km az=155.0.
ISC I 13 09 52 11.5–1.1 38.71N–.03 38.08E–.03 9–12 32 0-3
DDA I 13 09 52 10.5–.00 38.71N 38.11E 7–1 2.5L **¶610912752**
ISK I 13 09 52 11.4 38.77N 37.98E 1–0 3.0L
ISC Event type ke.
ISK Event type ke.
ISC I 14 13 59 47.9–.86 39.54N–.02 26.17E–.03 8–6 39 0-2
DDA I 14 13 59 47.7–.00 39.54N 26.16E 7–1 2.1L **¶610912787**
ISK I 14 13 59 47.5 39.54N 26.15E 6–0 2.6L
ISC Event type ke.
ISK Event type ke.
ISC I 14 14 26 06.2–.91 39.56N–.02 26.13E–.03 8–8 34 0-2
DDA I 14 14 26 05.6–.00 39.59N 26.12E 7–2 1.9L **¶610912789**
THE I 14 14 26 06.7 39.56N 26.09E 5–7 2.1L
ISK I 14 14 26 06.1 39.54N 26.12E 5–0 2.5L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=7.8km s-min=0.5km az=112.0.
ISK Event type ke.
ISC I 14 14 44 07.3–.85 39.54N–.02 26.15E–.03 9–6 60 0-2
ISK I 14 14 44 06.8 39.54N 26.14E 9–0 2.5L **¶610678984**
DDA I 14 14 44 07.1–.00 39.55N 26.16E 7–1 1.9L
THE I 14 14 44 07.6 39.56N 26.09E 8–2 2.3L
ATH I 14 14 44 08.4 39.52N 26.06E 12–1 2.3L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=2.4km s-min=0.5km az=110.0.
ATH Event type ke. Error ellipse: s-maj=2.4km s-min=0.8km az=255.0.
ISC I 14 22 21 26.5–1.0 37.08N–.03 29.68E–.02 10–9 29 0-1
ISK I 14 22 21 25.8 37.07N 29.67E 23–0 2.6L **¶610912820**
DDA I 14 22 21 26.5–.00 37.09N 29.68E 5–2 1.5L
ISC Event type ke.
ISK Event type ke.
ISC I 14 22 38 60.0–.56 39.53N–.01 26.15E–.02 12–3 4.6b,3.7s 917 0-118
HLW I 14 22 38 56.6 39.73N 26.22E 20–52 4.5,4.4L **¶611831565**
MOS I 14 22 38 58.0–.93 39.56N 26.15E 7 4.7b,4.4L
BEO I 14 22 38 58.4–.40 39.51N 26.39E 0 4.7L,4.4L
IDC I 14 22 38 58.6–.39 39.55N 26.12E 0 4.4b,4.3
ISK I 14 22 38 59.4 39.55N 26.12E 11–0 4.8L,4.3
NEIC I 14 22 38 59.4–1.2 39.57N–.04 26.11E–.06 3–4 4.8b,4.4
DDA I 14 22 38 59.9–.00 39.54N 26.15E 9–0 4.6W,4.4
PDG I 14 22 38 59.4–5.5 39.51N 26.05E 23–7 4.6L,4.4
MED_R I 14 22 38 59.0–.30 39.59N 26.29E 10 4.6W,4.4
MCSM I 14 22 38 59.2–.40 40N–3.0 26E–5.0 7–2 4.8b,4.4
THE I 14 22 39 00.2 39.56N 26.08E 4–1 4.4L,4.4
ATH I 14 22 39 01.4 39.50N 26.10E 18–1 4.4L,4.4
GII I 14 22 39 04.5–.00 39.22N 26.33E 20 4.4L,4.4
CFUSG I 14 22 39 05.8 39.80N 26.80E 22 3.8b,4.4
ISC Event type ke.
MOS Error ellipse: s-maj=4.7km s-min=2.7km az=90.7.
BEO Event type ke.
IDC Error ellipse: s-maj=8.1km s-min=7.9km az=124.0.
ISK Event type ke.
NEIC Event type se. Error ellipse: s-maj=6.5km s-min=6.3km az=77.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-5.74 $M_{\theta\theta}$4.39 $M_{\phi\phi}$1.36 $M_{r\theta}$-0.76 $M_{\theta\phi}$-2.17 $M_{\phi r}$0.00 NP1:ϕ_s114.21000°,δ48.51000°,λ-94.35000°. NP2:ϕ_s300.76000° ,δ41.68000°,λ-85.10000°. Principal axes: T 5.5561,Plg3.0000°,Azm207.0000° ; N 0.2482,Plg3.0000°,Azm117.0000°; P -5.8043,Plg85.0000°,Azm344.0000° $M_0$5.68000×10^{15}
PDG Event type ke. Error ellipse: s-maj=4.1km s-min=5.2km az=0.0.
MED_R Error ellipse: s-maj=3.3km s-min=1.1km az=-1.0. nsta1 refers to body waves. nsta2 refers to surface waves, cutoff=35s. Moment Tensor Solution. Mantle waves: s26,c38;Duration: 1s0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.82±.02 $M_{\theta\theta}$0.68±.02; $M_{\phi\phi}$0.14±.02; $M_{r\theta}$0.27±.08; $M_{\theta\phi}$-0.32±.02; $M_{\phi r}$-0.22±.12; Best double couple: NP1:ϕ_s300.00000°,δ56.00000°,λ-84.00000°. NP2:ϕ_s110.00000°,δ34.00000°,λ-99.00000°. Principal axes: T 0.9000,Plg11.0000° ,Azm26.0000°; N -0.0100,Plg5.0000°,Azm117.0000°; P -0.8900,Plg78.0000°,Azm231.0000° $M_0$0.90000×10^{16}
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.3km az=104.0.
ATH Event type ke. Error ellipse: s-maj=2.2km s-min=0.8km az=110.0.
GII Event type ke.
CFUSG Western Turkey. Magtype MSH 3.5 from 5 stations.
DDA I 15 00 38 04.6–.00 39.89N 28.68E 7–3 2.1L
¶610237400
ISC I 15 00 38 20.1–.97 39.91N–.02 28.71E–.01 7–8 154 0-39
ISK I 15 00 38 18.9 39.89N 28.72E 5–0 3.7L **¶612618470**
DDA I 15 00 38 19.5–.00 39.89N 28.69E 11–3 3.7W
IDC I 15 00 38 21.3–2.8 40.01N 29.00E 0 3.3,3.3b
BEO I 15 00 38 22.0–1.1 40.09N 28.85E 5–4 3.5L,3.3b
THE I 15 00 38 23.4 40.08N 28.67E 0–3 3.5L,3.3b
CFUSG I 15 00 38 25.6 40.27N 29.08E 12 3.0b,3.3b
ISC Event type ke.
ISK Event type ke.
IDC Error ellipse: s-maj=48.8km s-min=14.7km az=34.0.
BEO Event type ke.
THE Event type ke. Error ellipse: s-maj=4.6km s-min=1.8km az=140.0.
CFUSG Western Turkey. Magtype MSH 3.2 from 3 stations.
ISC I 15 04 03 20.1–.70 39.55N–.01 26.13E–.02 10–4 4.3b,3.2s 559 0-118
IDC I 15 04 03 18.6–.66 39.49N 26.08E 0 4.0,4.0b **¶610094935**
MOS I 15 04 03 18.9–.94 39.58N 26.14E 10 4.3b,4.0b
ISK I 15 04 03 19.5 39.55N 26.13E 12–0 4.3L,4.0b
BEO I 15 04 03 19.5–.70 39.56N 26.36E 4–3 4.1L,4.0b
THE I 15 04 03 20.5 39.57N 26.06E 8–1 4.0L,4.0b
PDG I 15 04 03 20.2–.50 39.55N 26.16E 16–0 4.2L,4.0b
MCSM I 15 04 03 20.4–.70 40N–5.0 26E–4.0 7–3 4.3b,4.0b
DDA I 15 04 03 20.0–.00 39.54N 26.15E 9–0 4.3W,4.0b
ATH I 15 04 03 21.3 39.52N 26.08E 15–1 3.9L,4.0b
NEIC I 15 04 03 21.3–1.8 39.56N–.04 26.10E–.07 11–8 4.3b,4.0b
CFUSG I 15 04 03 25.7 39.92N 26.89E 2 4.3b,4.0b
ISC Event type ke.
IDC Error ellipse: s-maj=13.9km s-min=10.5km az=87.0.
MOS Error ellipse: s-maj=6.7km s-min=4.0km az=87.7.
ISK Event type ke.
BEO Event type ke.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.7km az=114.0.
PDG Event type ke. Error ellipse: s-maj=0.4km s-min=0.5km az=0.0.
ATH Event type ke. Error ellipse: s-maj=2.4km s-min=0.8km az=110.0.
NEIC Event type se. Error ellipse: s-maj=8.6km s-min=3.4km az=57.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
CFUSG Western Turkey. Magtype MSH 3.4 from 3 stations.
ISC I 15 06 38 49.6–.80 39.55N–.01 26.10E–.02 10–5 227 0-10
ISK I 15 06 38 48.9 39.56N 26.10E 3–0 3.8L **¶610679004**
THE I 15 06 38 49.7 39.57N 26.09E 5–1 3.3L
DDA I 15 06 38 49.5–.00 39.55N 26.15E 5–1 3.7W
ATH I 15 06 38 50.0 39.54N 26.05E 9–2 3.3L
BEO I 15 06 38 51.8–1.1 39.62N 26.28E 15–4 3.2L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=2.0km s-min=0.6km az=106.0.
ATH Event type ke. Error ellipse: s-maj=3.0km s-min=1.0km az=104.0.
BEO Event type ke.
ISC I 15 11 55 06.6–.88 39.54N–.02 26.12E–.03 8–6 48 0-2
ISK I 15 11 55 06.2 39.55N 26.08E 5–0 2.5L **¶610912869**
DDA I 15 11 55 06.3–.00 39.56N 26.16E 3–2 2.2L
ISC Event type ke.
ISK Event type ke.
ISC I 15 19 16 36.8–.79 39.53N–.02 26.12E–.02 10–5 174 0-7
SOF I 15 19 16 33.8 39.32N 26.22E 18 3.5 **¶610679013**
BEO I 15 19 16 35.9–.90 39.51N 26.39E 1–3 3.2L
THE I 15 19 16 36.8 39.54N 26.11E 7–1 3.0L
ISK I 15 19 16 36.2 39.54N 26.11E 10–0 3.5L
DDA I 15 19 16 36.8–.00 39.55N 26.15E 6–0 3.3L
ATH I 15 19 16 37.7 39.57N 25.86E 13–5 3.1L
ISC Event type ke.
BEO Event type ke.
THE Event type ke. Error ellipse: s-maj=2.1km s-min=0.7km az=115.0.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=6.8km s-min=1.2km az=110.0.
ISC I 15 20 07 16.2–.84 39.55N–.02 26.09E–.02 8–6 75 0-3
ISK I 15 20 07 15.4 39.56N 26.07E 3–0 2.6L **¶610679014**
THE I 15 20 07 16.2 39.54N 26.10E 4–1 2.3L
ATH I 15 20 07 16.9 39.57N 25.95E 11–5 2.1L
DDA I 15 20 07 16.1–.00 39.54N 26.15E 7–0 2.2L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=3.0km s-min=0.9km az=112.0.

ATH Event type ke. Error ellipse: s-maj=9.5km s-min=1.5km az=267.0.
ISC I 15 23 44 07.5–1.1 39.14N–.03 27.90E–.03 10–9 29 0-2
ISK I 15 23 44 06.9 39.14N 27.89E 7–0 2.6L ¶610912900
DDA I 15 23 44 07.4–.00 39.14N 27.90E 7–2 2.2L
ISC Event type ke.
ISK Event type ke.
ISC I 16 00 32 06.3–.89 39.53N–.02 26.13E–.03 10–6 43 0-2
ISK I 16 00 32 05.9 39.55N 26.11E 7–0 2.5L ¶610912902
DDA I 16 00 32 06.5–.00 39.54N 26.14E 7–0 1.8L
ISC Event type ke.
ISK Event type ke.
ISC I 16 00 33 17.0–.94 39.55N–.03 26.12E–.05 8–7 20 0-2
DDA I 16 00 33 16.9–.00 39.55N 26.14E 7–1 1.3L ¶610912903
ISK I 16 00 33 16.5 39.54N 26.11E 6–0 2.1L
ISC Event type ke.
ISK Event type ke.
ISC I 16 01 11 31.9–.92 39.54N–.02 26.12E–.03 8–6 37 0-2
DDA I 16 01 11 31.8–.00 39.55N 26.14E 6–1 1.6L ¶610912904
ISK I 16 01 11 31.4 39.54N 26.10E 5–0 2.5L
ISC Event type ke.
ISK Event type ke.
ISC I 16 08 50 01.4–.95 39.55N–.03 26.13E–.04 9–7 53 0-3
ISK I 16 08 50 00.8 39.55N 26.10E 5–0 3.1L ¶610912914
DDA I 16 08 50 01.4–.00 39.54N 26.16E 6–0 2.5L
ISC Event type ke.
ISK Event type ke.
ISC I 16 10 55 31.6–1.1 38.48N–.04 29.18E–.04 8 15 0-1
ISK I 16 10 55 31.4 38.49N 29.23E 18–0 2.5L ¶610912924
DDA I 16 10 55 32.3–.00 38.48N 29.12E 7–3 1.1L
ISC Event type ke.
ISK Event type ke.
ISC I 16 21 29 38.8–.96 39.22N–.02 28.12E–.02 13–7 3.5b 113 0-40
IDC I 16 21 29 37.6–1.7 39.41N 27.97E 0 3.6b,3.5 ¶610237541
ISK I 16 21 29 38.9 39.24N 28.08E 11–0 3.5L,3.5
DDA I 16 21 29 38.9–.00 39.22N 28.06E 17–1 3.4L,3.5
BEO I 16 21 29 44.9–1.0 41.95N 29.40E 0 3.1L,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=39.3km s-min=22.9km az=165.0.
ISK Event type ke.
BEO Event type ke.
DDA I 18 17 07 54.5–.00 39.53N 26.17E 7–1 1.3L
¶612618566
ISC I 18 18 08 58.4–.81 39.53N–.02 26.10E–.02 13–5 72 0-2
ISK I 18 18 08 58.7 39.55N 26.10E 7–0 2.8L ¶610679055
THE I 18 18 08 59.4 39.57N 26.08E 2–2 2.3L
ATH I 18 18 08 59.9 39.53N 26.08E 13–5 2.2L
DDA I 18 18 08 59.0–.00 39.54N 26.13E 7–0 2.6L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=3.3km s-min=1.0km az=122.0.
ATH Event type ke. Error ellipse: s-maj=7.8km s-min=1.1km az=257.0.
ISC I 19 07 21 10.1–.82 39.55N–.02 26.09E–.02 8–6 65 0-2
ISK I 19 07 21 09.7 39.56N 26.10E 6–0 2.9L ¶610679066
THE I 19 07 21 10.5 39.56N 26.09E 3–1 2.6L
DDA I 19 07 21 10.4–.00 39.56N 26.16E 2–1 2.7L
ATH I 19 07 21 11.2 39.56N 25.82E 12–3 2.6L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=2.1km s-min=0.6km az=117.0.
ATH Event type ke. Error ellipse: s-maj=5.4km s-min=0.9km az=96.0.
ISC I 20 01 41 50.2–.95 39.98N–.02 26.89E–.02 12–8 200 0-9
DDA I 20 01 41 49.5–.00 39.97N 26.90E 7–2 3.4L ¶610679080
ISK I 20 01 41 49.4 39.99N 26.89E 4–0 3.7L
THE I 20 01 41 50.4 39.97N 26.86E 9–1 3.3L
SOF I 20 01 41 51.4 40.19N 26.88E 11 3.7
BEO I 20 01 41 52.0–.60 40.11N 26.80E 0 3.4L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=2.0km s-min=1.0km az=108.0.
BEO Event type ke.
ISC I 20 03 15 11.8–.98 39.21N–.02 28.11E–.02 13–8 113 0-9
DDA I 20 03 15 11.6–.00 39.24N 28.09E 7–2 3.2L ¶610679082
ISK I 20 03 15 11.3 39.23N 28.09E 9–0 3.6L
ATH I 20 03 15 12.3 39.21N 28.14E 13–4 3.0L
THE I 20 03 15 13.4 39.21N 28.15E 17–5 3.0L
BEO I 20 03 15 17.0–1.0 39.46N 27.86E 0 3.0L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=5.7km s-min=1.4km az=68.0.
THE Event type ke. Error ellipse: s-maj=5.5km s-min=1.1km az=66.0.
BEO Event type ke.
ISC I 21 06 07 37.4–1.3 37.27N–.03 31.10E–.02 11–12 26 0-2
DDA I 21 06 07 37.2–.00 37.21N 31.09E 7–1 1.6L ¶610913105
ISK I 21 06 07 37.8 37.35N 31.11E 14–0 2.5L
ISC Event type ke.
ISK Event type ke.
DDA I 21 20 09 49.7–.00 40.26N 34.28E 7–2 1.1L
ISK I 21 20 09 50.5 40.15N 34.28E 5–0 1.8L ¶610913146
ISK Event type ke.
ISC I 22 00 52 49.0–.88 39.02N–.02 26.06E–.02 14–7 192 0-8
DDA I 22 00 52 48.6–.00 39.01N 26.06E 26–1 3.4L ¶610679119
ISK I 22 00 52 48.2 38.99N 26.00E 10–0 3.3L
THE I 22 00 52 49.4 38.99N 26.05E 5–1 2.8L
ATH I 22 00 52 49.7 39.01N 26.04E 14–1 3.2L
BEO I 22 00 52 52.3–.70 39.01N 26.25E 50–4 2.7L
SOF I 22 00 52 54.0 39.54N 25.98E 5 3.1
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=2.8km s-min=1.0km az=284.0.
ATH Event type ke. Error ellipse: s-maj=5.0km s-min=1.2km az=278.0.
BEO Event type ke.
ISC I 22 08 12 31.8–1.0 38.73N–.03 43.63E–.03 20–4 29 0-2
ISK I 22 08 12 30.7 38.71N 43.67E 11–0 2.6L ¶610913181
DDA I 22 08 12 33.1–.00 38.75N 43.53E 7–7 1.9L
ISC Event type ke.
ISK Event type ke.
ISC I 22 20 06 31.0–.87 39.54N–.02 26.11E–.02 13–6 88 0-2
ISK I 22 20 06 30.9 39.54N 26.09E 5–0 2.8L ¶610679138
THE I 22 20 06 31.5 39.55N 26.10E 2–1 2.6L
DDA I 22 20 06 31.2–.00 39.56N 26.16E 4–1 2.8L
ATH I 22 20 06 32.2 39.54N 25.93E 17–2 2.5L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.5km az=118.0.
ATH Event type ke. Error ellipse: s-maj=3.8km s-min=0.9km az=95.0.
ISC I 24 11 36 23.5–1.2 41.19N–.03 36.59E–.02 6–10 58 0-11
IDC I 24 11 36 22.8–.94 41.24N 36.57E 0 3.1L,3.0 ¶610235261
DDA I 24 11 36 24.6–.00 41.14N 36.56E 25–0 3.0L,3.0
ISK I 24 11 36 24.3 41.12N 36.60E 12–0 3.3L,3.0
ISC Event type ke.
IDC Error ellipse: s-maj=25.6km s-min=7.8km az=145.0.
ISK Event type ke.
DDA I 24 16 27 59.9–.00 39.00N 27.61E 7–4 2.0L
¶612618739
ISC I 25 06 25 40.5–1.1 39.48N–.03 26.26E–.04 4–11 24 0-1
ISK I 25 06 25 40.2 39.47N 26.29E 6–0 2.5L ¶610913309
DDA I 25 06 25 41.5–.00 39.55N 26.14E 4–1 1.8L
ISC Event type ke.
ISK Event type ke.
ISC I 25 13 31 21.3–.99 37.47N–.03 38.61E–.02 11–9 43 0-2
DDA I 25 13 31 20.8–.00 37.46N 38.61E 8–2 2.2L ¶610913326
ISK I 25 13 31 21.1 37.40N 38.61E 9–0 2.5L
ISC Event type ke.
ISK Event type ke.
ISC I 25 16 10 10.6–1.2 36.15N–.03 31.26E–.02 14–9 124 1-39
IDC I 25 16 10 08.7–1.4 36.30N 31.15E 0 3.6L,3.5 ¶610130074
ISK I 25 16 10 11.9 36.20N 31.18E 15–0 3.6L,3.5
DDA I 25 16 10 13.0–.00 36.24N 31.23E 34–1 3.0L,3.5
NIC I 25 16 10 14.6–.00 36.09N 31.39E 32–20 3.7L,3.5
HLW I 25 16 10 15.6 35.90N 31.03E 12–11 4.3,4.3L
GII I 25 16 10 15.9–.00 35.93N 31.54E 3–0 3.3,4.3L
ISC Event type ke.
IDC Error ellipse: s-maj=23.5km s-min=19.1km az=76.0.
ISK Event type ke.
NIC Event type ke.
GII Event type ke.
ISC I 25 18 13 09.6–1.0 37.46N–.03 38.61E–.02 9–9 40 0-2
ISK I 25 18 13 09.2 37.44N 38.63E 7–0 2.9L ¶610913332
DDA I 25 18 13 09.2–.00 37.46N 38.60E 7–2 2.7L
ISC Event type ke.
ISK Event type ke.
ISC I 26 15 28 27.8–.87 39.53N–.02 26.17E–.03 8–6 41 0-2
DDA I 26 15 28 27.8–.00 39.55N 26.15E 4–2 2.1L ¶610913365
ISK I 26 15 28 27.2 39.53N 26.18E 5–0 2.4L
ISC Event type ke.
ISK Event type ke.
ISC I 27 03 34 55.9–.79 39.53N–.02 26.10E–.02 11–5 133 0-7
SOF I 27 03 34 53.9 39.28N 24.74E 5 3.2 ¶610679206
ISK I 27 03 34 55.8 39.55N 26.11E 6–0 3.3L
ATH I 27 03 34 56.5 39.53N 26.10E 9–1 3.0L
THE I 27 03 34 56.5 39.55N 26.11E 9–0 3.0L
DDA I 27 03 34 57.1–.00 39.53N 26.16E 4–0 3.5W
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.9km s-min=0.8km az=262.0.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.5km az=103.0.
ISC I 27 05 08 30.9–.82 39.54N–.02 26.12E–.02 9–5 90 0-7
DDA I 27 05 08 30.8–.00 39.54N 26.15E 6–1 3.1L ¶610679209
ISK I 27 05 08 30.5 39.56N 26.10E 5–0 3.2L
ATH I 27 05 08 31.3 39.55N 26.13E 9–2 2.9L
THE I 27 05 08 31.1 39.56N 26.09E 3–1 2.8L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=4.5km s-min=1.1km az=267.0.
THE Event type ke. Error ellipse: s-maj=2.1km s-min=0.6km az=112.0.
ISC I 27 05 21 27.6–.89 38.95N–.02 27.67E–.02 11–7 110 0-8
ATH I 27 05 21 27.8 39.01N 27.75E 5–31 3.1L ¶610679211
ISK I 27 05 21 27.5 39.02N 27.70E 8–0 3.5L
DDA I 27 05 21 28.3–.00 39.01N 27.70E 5–0 3.6W
THE I 27 05 21 29.5 38.95N 27.75E 18–2 3.2L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=31.6km s-min=2.3km az=0.0.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=2.9km s-min=0.6km az=140.0.
ISC I 27 07 06 49.0–1.0 37.09N–.03 28.61E–.02 14–8 47 0-34
DDA I 27 07 06 47.7–.00 37.08N 28.61E 3–3 3.0L ¶610235442
ISK I 27 07 06 48.0 37.10N 28.64E 14–0 2.9L
IDC I 27 07 06 54.2–1.6 36.99N 28.84E 58–26 3.5,3.4b
ISC Event type ke.
ISK Event type ke.
IDC Error ellipse: s-maj=33.9km s-min=11.0km az=148.0.
ISC I 27 07 30 26.3–.86 39.55N–.02 26.10E–.02 8–6 67 0-2
ISK I 27 07 30 25.9 39.57N 26.06E 7–0 3.0L ¶610679213
THE I 27 07 30 26.4 39.54N 26.10E 9–1 2.4L
ATH I 27 07 30 26.9 39.54N 26.09E 12–5 2.3L
DDA I 27 07 30 26.6–.00 39.55N 26.16E 2–1 2.6L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.7km az=102.0.
ATH Event type ke. Error ellipse: s-maj=10.3km s-min=1.2km az=262.0.
ISC I 27 07 46 03.7–.89 39.56N–.02 26.12E–.03 8–6 42 0-2
DDA I 27 07 46 03.8–.00 39.56N 26.15E 2–2 2.2L ¶610913392
ISK I 27 07 46 03.3 39.57N 26.08E 10–0 2.5L
ISC Event type ke.
ISK Event type ke.
ISC I 27 16 33 17.2–.80 39.54N–.01 26.15E–.02 12–5 86 0-2
ISK I 27 16 33 16.9 39.55N 26.15E 6–0 2.5L ¶610679224
THE I 27 16 33 17.4 39.55N 26.12E 3–2 2.1L
DDA I 27 16 33 17.4–.00 39.55N 26.16E 8–0 2.4L
ATH I 27 16 33 18.4 39.54N 26.04E 15–4 2.1L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=2.5km s-min=0.7km az=118.0.
ATH Event type ke. Error ellipse: s-maj=8.5km s-min=1.4km az=260.0.
ISC I 28 04 47 34.5–1.3 37.70N–.03 37.31E–.04 5–11 23 0-2
ISK I 28 04 47 33.9 37.71N 37.31E 5–0 2.7L ¶610913431
DDA I 28 04 47 34.7–.00 37.69N 37.32E 7–2 2.8L
ISC Event type ke.
ISK Event type ke.
ISC I 28 04 55 47.0–.79 39.53N–.01 26.11E–.02 10–5 167 0-7
SOF I 28 04 55 46.4 39.44N 25.94E 18 3.1 ¶610679240
DDA I 28 04 55 46.7–.00 39.53N 26.13E 8–0 3.6W
ISK I 28 04 55 46.4 39.54N 26.10E 6–0 3.3L
ATH I 28 04 55 47.2 39.56N 26.14E 9–2 2.9L
THE I 28 04 55 47.6 39.51N 26.08E 6–1 3.0L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=4.0km s-min=1.0km az=271.0.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.5km az=243.0.
ISC I 28 10 33 52.9–.82 39.54N–.02 26.12E–.02 10–5 76 0-3
ISK I 28 10 33 52.3 39.53N 26.14E 6–0 2.8L ¶610679253
DDA I 28 10 33 53.0–.00 39.55N 26.15E 6–1 2.4L
THE I 28 10 33 53.4 39.53N 26.07E 9–1 2.3L
ATH I 28 10 33 53.2 39.54N 26.12E 7–1 2.3L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.7km az=270.0.
ATH Event type ke. Error ellipse: s-maj=3.4km s-min=0.8km az=263.0.
ISC I 28 21 02 07.9–.79 39.52N–.02 26.12E–.02 11–5 123 0-7
ISK I 28 21 02 07.7 39.55N 26.10E 5–0 3.2L ¶610679264
DDA I 28 21 02 08.1–.00 39.55N 26.16E 5–1 3.1L
ATH I 28 21 02 08.6 39.52N 26.12E 13–1 2.9L
THE I 28 21 02 09.3 39.52N 25.95E 5–1 3.0L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.5km s-min=0.8km az=260.0.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.5km az=92.0.
ISC I 29 06 42 25.1–.95 39.56N–.03 26.06E–.06 10–7 20 0-1
DDA I 29 06 42 25.6–.00 39.55N 26.13E 8–1 1.6L ¶610679275
ISK I 29 06 42 25.1 39.55N 26.09E 10–0 2.4L
ISC Event type ke.
ISK Event type ke.
ISC I 29 06 42 44.5–.78 39.52N–.01 26.15E–.02 12–5 82 0-3
THE I 29 06 42 44.9 39.57N 26.01E 1–2 2.1L ¶610913493
ISK I 29 06 42 44.7 39.54N 26.13E 5–0 2.5L
DDA I 29 06 42 44.3–.00 39.51N 26.12E 12–0 2.4L
ATH I 29 06 42 45.6 39.50N 26.15E 15–1 2.3L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=2.2km s-min=0.6km az=117.0.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=4.1km s-min=1.0km az=268.0.
ISC I 29 18 30 12.4–1.1 40.31N–.03 40.58E–.02 9–10 44 0-3

ISK I 29 18 30 11.9 40.29N 40.58E 5–0 2.6L ¶610473359
TIF I 29 18 30 11.9 40.30N 40.59E 5 2.6L
DDA I 29 18 30 12.5–.00 40.43N 40.52E 11–3 2.3L
ISC Event type ke.
ISK Event type ke.
ISC I 30 06 56 17.3–.83 39.61N–.01 26.40E–.02 14–6 259 0-10
ISK I 30 06 56 16.7 39.60N 26.42E 8–0 4.1L ¶610147728
THE I 30 06 56 17.9 39.61N 26.37E 12–0 3.6L
DDA I 30 06 56 17.3–.00 39.61N 26.43E 8–1 3.9W
ATH I 30 06 56 18.2 39.59N 26.40E 14–1 3.7L
CFUSG I 30 06 56 18.4 39.24N 29.34E 12 3.7L
SOF I 30 06 56 19.3 39.85N 26.33E 9 3.7
BEO I 30 06 56 21.6–.70 39.89N 26.17E 0 3.8L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=0.6km s-min=0.3km az=269.0.
ATH Event type ke. Error ellipse: s-maj=2.0km s-min=0.8km az=252.0.
CFUSG Western Turkey. Magtype MSH 3.2 from 1 stations.
BEO Event type ke.
ISC I 30 08 54 52.2–.81 39.53N–.02 26.11E–.02 11–5 145 0-6
ISK I 30 08 54 51.8 39.54N 26.14E 6–0 3.5L ¶610679305
DDA I 30 08 54 52.5–.00 39.53N 26.18E 8–0 3.5W
ATH I 30 08 54 53.2 39.52N 26.12E 14–1 3.2L
THE I 30 08 54 53.7 39.52N 26.05E 14–1 3.2L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.2km s-min=0.8km az=258.0.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.5km az=246.0.
ISC I 31 07 17 10.8–.97 38.69N–.02 38.10E–.02 12–9 69 0-4
ISK I 31 07 17 09.9 38.70N 38.06E 1–0 3.4L ¶610913645
DDA I 31 07 17 10.1–.00 38.69N 38.10E 5–2 3.5W
ISC Event type ke.
ISK Event type ke.
ISC II 02 09 23 38.5–1.1 38.78N–.03 43.55E–.04 19–2 27 0-2
ISK II 02 09 23 37.1 38.80N 43.56E 11–0 2.5L ¶610913780
DDA II 02 09 23 37.8–.00 38.76N 43.51E 7–6 2.2L
ISC Event type ke.
ISK Event type ke.
ISC II 02 15 11 46.7–1.1 38.70N–.02 38.10E–.02 1–11 87 0-7
ISK II 02 15 11 45.8 38.68N 38.06E 5–0 3.6L ¶610913807
DDA II 02 15 11 46.1–.00 38.68N 38.08E 14–1 3.6W
GII II 02 15 12 16.2–.00 38.68N 38.08E 14 3.6W
ISC Event type ke.
ISK Event type ke.
GII Event type ke.
ISC II 03 03 00 58.8–3.7 36.12N–.03 35.82E–.03 18–17 49 1-3
ISK II 03 03 00 57.6 36.04N 35.84E 18–0 2.7L ¶610913840
DDA II 03 03 00 58.8–.00 36.11N 35.80E 20–1 2.8L
GRAL II 03 03 00 59.3–.60 36.32N 36.00E 45–999 3.3
ISC Event type ke.
ISK Event type ke.
GRAL Error ellipse: s-maj=477.0km s-min=28.6km az=-1.0.
ISC II 03 06 33 33.8–1.0 38.69N–.01 38.08E–.01 6–8 3.8b 128 0-77
ISK II 03 06 33 32.9 38.70N 38.06E 5–0 3.9L ¶610184314
IDC II 03 06 33 34.0–.95 38.73N 38.09E 0 3.8b,3.6
DDA II 03 06 33 33.3–.00 38.69N 38.09E 18–0 4.0W,3.6
ISC Event type ke.
ISK Event type ke.
IDC Error ellipse: s-maj=16.0km s-min=11.2km az=155.0.
DDA II 03 17 34 22.8–.00 37.84N 29.68E 7–4 2.3L
ISK II 03 17 34 22.6 37.87N 29.72E 6–0 2.2L ¶610913884
ISK Event type ke.
ISK II 03 17 38 23.5 38.68N 27.28E 6–0 2.6L
DDA II 03 17 38 23.3–.00 38.67N 27.31E 7–1 2.2L ¶610913885
ISK Event type ke.
ISC II 04 04 42 44.6–1.1 38.68N–.02 38.09E–.01 1–9 3.5b 128 0-41
ISK II 04 04 42 42.5 38.68N 38.08E 1–0 3.7L ¶610414784
IDC II 04 04 42 44.5–1.8 38.62N 37.99E 0 3.3b,3.2
DDA II 04 04 42 44.3–.00 38.68N 38.09E 14–1 3.6L,3.2
ISC Event type ke.
ISK Event type ke.
IDC Error ellipse: s-maj=33.0km s-min=15.1km az=169.0.
ISC II 04 15 27 26.8–1.0 38.56N–.02 42.47E–.02 8–9 89 0-4
NSSP II 04 15 27 26.5 38.53N 42.48E 10 3.2s ¶610792424
ISK II 04 15 27 26.5 38.58N 42.47E 3–0 3.3L
DDA II 04 15 27 27.0–.00 38.56N 42.44E 5–1 3.7W
ISC Event type ke.
ISK Event type ke.
ISC II 04 22 48 21.6–.92 39.53N–.02 26.12E–.04 10–7 33 0-3
ISK II 04 22 48 21.3 39.54N 26.14E 6–0 2.7L ¶610913969
ATH II 04 22 48 22.2 39.53N 26.09E 10–3 2.3L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=5.9km s-min=1.4km az=271.0.
ISK II 05 00 12 46.5 39.01N 29.06E 5–0 1.4L
DDA II 05 00 12 45.6–.00 39.11N 29.04E 7–3 1.3L ¶610913976
ISK Event type ke.
ISC II 05 01 03 14.1–.74 39.55N–.01 26.13E–.02 10–5 110 0-4
ISK II 05 01 03 13.8 39.55N 26.13E 11–0 2.7L ¶610679401
ATH II 05 01 03 14.6 39.56N 26.13E 9–1 2.6L
THE II 05 01 03 14.6 39.54N 26.12E 8–0 2.6L
DDA II 05 01 03 14.3–.00 39.55N 26.14E 6–1 2.9L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.6km s-min=0.9km az=273.0.
THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.5km az=96.0.
ISC II 05 01 06 58.0–.79 39.54N–.01 26.15E–.02 11–5 86 0-3
ATH II 05 01 06 58.9 39.54N 26.14E 9–2 2.5L ¶610679402
DDA II 05 01 06 58.4–.00 39.55N 26.15E 5–1 2.7L
ISK II 05 01 06 58.0 39.55N 26.14E 6–0 2.8L
THE II 05 01 06 58.7 39.54N 26.12E 5–1 2.4L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=4.0km s-min=1.1km az=264.0.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.5km az=102.0.
ISC II 05 01 08 13.2–.80 39.55N–.02 26.15E–.02 11–5 82 0-7
ISK II 05 01 08 13.3 39.55N 26.12E 6–0 2.7L ¶610913984
DDA II 05 01 08 14.4–.00 39.55N 26.16E 5–0 2.9L
ATH II 05 01 08 14.9 39.54N 26.05E 12–2 2.7L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.5km s-min=0.9km az=264.0.
ISC II 05 02 35 55.1–.92 38.43N–.02 39.17E–.02 11–7 83 0-4
DDA II 05 02 35 54.8–.00 38.43N 39.15E 14–1 3.5W ¶610913998
ISK II 05 02 35 55.3 38.46N 39.19E 9–0 3.3L
ISC Event type ke.
ISK Event type ke.
ISC II 05 06 20 49.9–1.5 38.89N–.03 43.63E–.03 5–12 28 0-2
ISK II 05 06 20 49.4 38.89N 43.66E 7–0 2.8L ¶610914008
DDA II 05 06 20 50.7–.00 38.90N 43.61E 7–6 2.5L
ISC Event type ke.
ISK Event type ke.
ISC II 05 10 34 51.2–.78 36.20N–.03 31.17E–.02 54–9 4.0b 208 1-74
ISK II 05 10 34 49.3 36.23N 31.17E 16–0 3.8L ¶610197605
DDA II 05 10 34 50.6–.00 36.30N 31.17E 38–1 3.9W
IDC II 05 10 34 50.3–1.2 36.20N 31.09E 53–13 3.9,3.7L
NIC II 05 10 34 51.3–.00 36.20N 31.19E 32–47 4.1L,3.7L
NEIC II 05 10 34 51.6–1.4 36.20N–.06 31.13E–.06 60–11 4.4b,3.7L
THE II 05 10 34 52.9 36.15N 31.13E 48–6 3.5L,3.7L
GII II 05 10 34 53.7–.00 36.01N 31.23E 30 3.8,3.5
ISC Event type ke.
ISK Event type ke.
IDC Error ellipse: s-maj=10.4km s-min=9.4km az=52.0.
NIC Event type ke.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=6.7km az=207.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
THE Event type ke. Error ellipse: s-maj=9.1km s-min=2.9km az=350.0.
GII Event type ke.
ISC II 05 18 33 21.2–.82 39.55N–.02 26.10E–.02 9–5 79 0-2
ISK II 05 18 33 21.0 39.56N 26.11E 5–0 2.9L ¶610679418
DDA II 05 18 33 21.5–.00 39.56N 26.16E 4–1 2.9L
ATH II 05 18 33 22.4 39.54N 26.04E 14–1 2.4L
THE II 05 18 33 23.1 39.52N 25.98E 16–0 2.2L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.5km s-min=0.9km az=264.0.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.6km az=70.0.
ISC II 05 20 14 25.1–1.2 36.20N–.03 31.21E–.02 21–5 74 1-3
ISK II 05 20 14 24.7 36.23N 31.19E 17–0 2.4L ¶610198803
DDA II 05 20 14 26.4–.00 36.32N 31.21E 37–0 2.3L
NIC II 05 20 14 26.8–.00 36.12N 31.17E 36–27 2.5L
ISC Event type ke.
ISK Event type ke.
NIC Event type ke.
ISC II 06 00 08 46.9–.86 39.55N–.02 26.11E–.03 9–6 53 0-2
DDA II 06 00 08 46.8–.00 39.56N 26.14E 4–1 2.4L ¶610914058
ISK II 06 00 08 46.1 39.57N 26.11E 2–0 2.6L
ISC Event type ke.
ISK Event type ke.
ISC II 06 03 51 40.0–.56 39.56N–.01 26.17E–.01 5–3 5.4b,4.9s 2290 0-163
BEO II 06 03 51 24.5–.80 38.83N 27.38E 0 5.5L,4.9s ¶610246604
BGR II 06 03 51 31.9 39.02N 26.07E 10 4.9b,4.0s
BJI II 06 03 51 34.2–.00 39.46N 25.32E 10 5.6b,5.2s
IDC II 06 03 51 39.1–.36 39.56N 26.12E 0 4.9,4.9b
ISK II 06 03 51 39.8 39.55N 26.11E 11–0 5.4L,4.9b
MOS II 06 03 51 39.7–.96 39.55N 26.16E 12 5.4b,5.0s
PDG II 06 03 51 40.1–.44 39.52N 26.08E 12–0 5.4,5.3L
NEIC II 06 03 51 40.6–1.3 39.60N–.05 26.07E–.05 10–1 5.4b,5.3
MED_R II 06 03 51 40.0–.10 39.52N 26.22E 10 5.3W,5.3
DDA II 06 03 51 40.4–.00 39.54N 26.13E 9–0 5.3W,5.3
THE II 06 03 51 40.8 39.54N 26.11E 6–0 4.9L,5.3
MCSM II 06 03 51 40.5–.30 40N–2.0 26E–4.0 9–2 5.4b,5.3
GCMT II 06 03 51 40.6–.10 39.50N–.01 26.07E–.01 12 5.4W,5.3
ATH II 06 03 51 41.6 39.51N 26.10E 14 5.2W,5.3
CFUSG II 06 03 51 45.0 39.80N 26.40E 10 4.3b,5.3
GII II 06 03 51 45.6–.00 39.14N 26.41E 10 5.2,5.1b
BGS II 06 03 51 45.6–1.8 40.03N 25.77E 10 5.6b,5.1b
NEIC II 06 03 51 48.1 39.52N 26.10E 12 5.6b,5.1b
ISC Event type ke.
BEO Event type ke.
ISC Event type ke. Hypocentre not reviewed by the ISC.
IDC Error ellipse: s-maj=7.8km s-min=7.1km az=67.0.
ISK Event type ke.
MOS Error ellipse: s-maj=3.3km s-min=2.1km az=104.0.
PDG Event type ke. Error ellipse: s-maj=0.3km s-min=0.4km az=0.0.
NEIC Event type se. Error ellipse: s-maj=8.0km s-min=5.9km az=197.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-7.69 $M_{\theta\theta}$6.08 $M_{\phi\phi}$1.61 $M_{r\theta}$1.07 $M_{\theta\phi}$-3.52 $M_{\phi r}$1.56 NP1:ϕ_s285.61000°,δ47.27000°,λ-108.60000°. NP2:ϕ_s131.99000°,δ45.88000°,λ-70.95000°. Principal axes: T 8.0170,Plg1.0000°,Azm29.0000°; N 0.1254,Plg14.0000°,Azm298.0000°; P -8.1424,Plg76.0000°,Azm122.0000° $M_0$8.08000×10^{16}
MED_R Error ellipse: s-maj=2.2km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=40s. Moment Tensor Solution. Body waves: s14,c20; Mantle waves: s39,c83;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.31±.02 $M_{\theta\theta}$1.00±.02; $M_{\phi\phi}$0.31±.02; $M_{r\theta}$-0.30±.08; $M_{\theta\phi}$-0.56±.02; $M_{\phi r}$0.01±.08; Best double couple: NP1:ϕ_s115.00000°,δ51.00000°,λ-98.00000°. NP2:ϕ_s305.00000°,δ40.00000°,λ-81.00000°. Principal axes: T 1.3400,Plg6.0000°,Azm209.0000°; N 0.0100,Plg6.0000°,Azm118.0000°; P -1.3500,Plg82.0000°,Azm343.0000° $M_0$1.35000×10^{17}
THE Event type ke. Error ellipse: s-maj=0.4km s-min=0.2km az=97.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s112,c175; s152,c308;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.41±.01 $M_{\theta\theta}$1.05±.01; $M_{\phi\phi}$0.36±.01; $M_{r\theta}$-0.05±.04; $M_{\theta\phi}$-0.65±.01; $M_{\phi r}$0.10±.04; Best double couple: NP1:ϕ_s123.00000°,δ47.00000°,λ-87.00000°. NP2:ϕ_s299.00000°,δ43.00000°,λ-94.00000°. Principal axes: T 1.4430,Plg2.0000°,Azm211.0000°; N -0.0250,Plg2.0000°,Azm301.0000°; P -1.4160,Plg87.0000°,Azm82.0000° $M_0$1.42900×10^{17}
ATH Moment Tensor Solution. s11 Moment tensor: M_{rr}-6.93 $M_{\theta\theta}$5.76 $M_{\phi\phi}$1.17 $M_{r\theta}$-1.52 $M_{\theta\phi}$-2.71 $M_{\phi r}$-1.02 NP1:ϕ_s103.00000°,δ50.00000°,λ-106.00000°. NP2:ϕ_s307.00000°,δ42.00000°,λ-72.00000°.
CFUSG Western Turkey. Magtype MSH 4.4 from 5 stations.
GII Event type ke.
BGS Error ellipse: s-maj=68.4km s-min=60.6km az=-1.0.
NEIC Event type se. Moment Tensor Solution.Duration: 2s4 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.25 $M_{\theta\theta}$0.88 $M_{\phi\phi}$0.37 $M_{r\theta}$0.11 $M_{\theta\phi}$-0.59 $M_{\phi r}$-0.22 NP1:ϕ_s308.75000°,δ50.05000°,λ-83.08000°. NP2:ϕ_s118.05000°,δ40.44000°,λ-98.18000°. Principal axes: T 1.2864,Plg5.0000°,Azm34.0000°; N -0.0040,Plg5.0000°,Azm124.0000°; P -1.2824,Plg83.0000°,Azm262.0000° $M_0$1.28000×10^{17}
ISC II 06 03 54 52.7–.89 39.53N–.04 26.16E–.05 15–6 26 0-2
ISK II 06 03 54 51.9 39.51N 26.19E 19–0 2.9L ¶610914062
DDA II 06 03 54 53.7–.00 39.53N 26.17E 7–1 3.3L
ISC Event type ke.
ISK Event type ke.
ISC II 06 03 57 00.3–1.2 39.56N–.02 26.01E–.03 1–14 61 0-3
ATH II 06 03 56 59.6 39.55N 26.17E 5–31 2.5L ¶610679425
THE II 06 03 56 59.7 39.55N 26.08E 2–6 2.3L
ISK II 06 03 57 03.6 39.57N 26.06E 7–0 3.3L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=31.6km s-min=1.4km az=0.0.
THE Event type ke. Error ellipse: s-maj=6.2km s-min=0.9km az=124.0.
ISK Event type ke.
ISC II 06 03 59 55.3–.85 39.52N–.02 26.11E–.03 10–6 62 0-7
ISK II 06 03 59 54.7 39.55N 26.08E 6–0 3.0L ¶610914063
DDA II 06 03 59 55.1–.00 39.53N 26.17E 7–2 3.7W
ATH II 06 03 59 56.1 39.49N 26.08E 12–3 3.0L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=6.9km s-min=1.2km az=266.0.
ISC II 06 04 12 43.7–.79 39.53N–.01 26.14E–.02 10–5 103 0-4
ISK II 06 04 12 43.5 39.54N 26.16E 10–0 3.1L ¶610679426
SOF II 06 04 12 43.9 39.57N 26.19E 12 3.0
DDA II 06 04 12 44.1–.00 39.55N 26.18E 2–0 3.1L
ATH II 06 04 12 44.4 39.55N 26.14E 9–1 2.9L
THE II 06 04 12 45.4 39.48N 26.00E 24–1 2.9L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.3km s-min=1.0km az=266.0.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.4km az=250.0.
ISK II 06 04 16 39.6 39.54N 26.12E 5–0 3.0L
DDA II 06 04 16 39.5–.00 39.53N 26.13E 7–3 3.4W ¶610197730
ISK Event type ke.
ISC II 06 04 17 29.5–.66 39.53N–.01 26.06E–.02 12–4 4.0b 387 0-76
BEO II 06 04 17 05.6–.90 38.32N 27.79E 0 4.5L ¶610914078
SOF II 06 04 17 22.6 39.19N 26.30E 2 4.3
IDC II 06 04 17 27.9–.73 39.48N 26.14E 0 3.9b,3.8
MOS II 06 04 17 28.5–.92 39.53N 26.14E 11 4.3b,3.8
ISK II 06 04 17 28.7 39.54N 26.10E 12–0 4.2L,3.8
NEIC II 06 04 17 29.7–1.9 39.49N–.05 26.11E–.07 13–6 4.4b,3.8
DDA II 06 04 17 29.2–.00 39.54N 26.13E 9–0 4.0W,3.8
ATH II 06 04 17 30.2 39.53N 26.02E 16–1 3.9L,3.8
THE II 06 04 17 30.1 39.51N 26.04E 19–1 4.0L,3.8

ISC Event type ke.
BEO Event type ke.
IDC Error ellipse: s-maj=12.6km s-min=9.4km az=100.0.
MOS Error ellipse: s-maj=5.4km s-min=3.5km az=100.7.
ISK Event type ke.
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=7.2km az=193.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ATH Event type ke. Error ellipse: s-maj=3.2km s-min=0.9km az=262.0.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.5km az=219.0.
ISC II 06 04 31 30.8–.90 39.54N–.02 26.14E–.04 9–6 39 0-2
DDA II 06 04 31 30.8–.00 39.56N 26.15E 3–1 2.7L ¶610914102
ISK II 06 04 31 30.3 39.55N 26.13E 5–0 2.6L
ISC Event type ke.
ISK Event type ke.
DDA II 06 04 32 18.8–.00 39.53N 26.09E 6–0 2.6L
¶610914103
ISK II 06 04 32 53.8 39.52N 26.15E 5–0 1.8L
¶616063946
ISK Event type ke.
ISC II 06 04 49 35.8–.80 39.54N–.02 26.09E–.02 11–5 91 0-6
ISK II 06 04 49 35.7 39.56N 26.10E 6–0 3.0L ¶610914113
DDA II 06 04 49 36.2–.00 39.56N 26.15E 5–1 2.9L
ATH II 06 04 49 36.9 39.55N 26.02E 12–2 2.5L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=4.1km s-min=1.1km az=258.0.
ISC II 06 04 55 00.9–.97 39.55N–.03 26.15E–.04 7–7 29 0-2
DDA II 06 04 55 02.9–.00 39.53N 26.17E 7–1 2.1L ¶610914118
ISK II 06 04 55 02.2 39.55N 26.14E 2–0 2.7L
ISC Event type ke.
ISK Event type ke.
ISC II 06 04 55 25.1–.89 39.54N–.02 26.11E–.04 9–6 36 0-2
ISK II 06 04 55 24.7 39.54N 26.06E 13–0 2.7L ¶610914121
DDA II 06 04 55 25.5–.00 39.55N 26.16E 4–1 2.4L
ISC Event type ke.
ISK Event type ke.
ISC II 06 05 00 24.1–.85 39.53N–.02 26.14E–.03 11–5 53 0-2
ISK II 06 05 00 23.6 39.54N 26.14E 6–0 2.5L ¶610914124
DDA II 06 05 00 24.2–.00 39.54N 26.14E 8–1 2.6L
ISC Event type ke.
ISK Event type ke.
ISC II 06 05 01 16.2–.85 39.54N–.02 26.12E–.03 10–5 54 0-2
ISK II 06 05 01 15.8 39.54N 26.11E 8–0 2.6L ¶610914127
DDA II 06 05 01 16.2–.00 39.55N 26.13E 7–0 2.3L
ISC Event type ke.
ISK Event type ke.
ISK II 06 05 24 47.4 39.55N 26.15E 6–0 2.8L
¶616228545
ISK Event type ke.
THE II 06 05 25 16.9 39.54N 26.14E 4–0 2.7L
ATH II 06 05 25 17.9 39.52N 26.02E 15–2 2.6L ¶610679428
THE Event type ke. Error ellipse: s-maj=0.9km s-min=0.3km az=276.0.
ATH Event type ke. Error ellipse: s-maj=4.0km s-min=1.1km az=259.0.
ISC II 06 05 37 00.5–.88 39.57N–.02 26.11E–.03 9–6 56 0-2
ISK II 06 05 36 59.5 39.58N 26.10E 5–0 2.9L ¶610914161
DDA II 06 05 37 01.0–.00 39.56N 26.15E 5–1 2.8L
ISC Event type ke.
ISK Event type ke.
ISC II 06 06 57 44.3–.84 39.54N–.02 26.13E–.02 9–5 67 0-2
ISK II 06 06 57 43.9 39.55N 26.14E 6–0 2.8L ¶610679430
THE II 06 06 57 44.3 39.53N 26.14E 4–1 2.3L
DDA II 06 06 57 44.3–.00 39.54N 26.16E 5–1 2.5L
ATH II 06 06 57 45.1 39.55N 26.10E 8–2 2.4L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.4km az=112.0.
ATH Event type ke. Error ellipse: s-maj=4.0km s-min=1.0km az=267.0.
ISC II 06 07 05 02.9–.88 39.54N–.02 26.12E–.04 9–6 37 0-2
ISK II 06 07 05 02.7 39.55N 26.13E 5–0 2.5L ¶610914224
DDA II 06 07 05 03.0–.00 39.54N 26.13E 7–1 2.4L
ISC Event type ke.
ISK Event type ke.
ISK II 06 07 23 30.9 39.54N 26.12E 10–0 2.7L
DDA II 06 07 23 31.3–.00 39.55N 26.17E 7–2 2.3L ¶610914231
ISK Event type ke.
ISC II 06 07 32 43.9–.83 39.51N–.02 26.14E–.02 5–5 83 0-2
DDA II 06 07 32 43.3–.00 39.48N 26.11E 11–2 3.1L ¶610679431
ISK II 06 07 32 45.3 39.55N 26.10E 6–0 3.2L
THE II 06 07 32 45.5 39.50N 26.25E 8–1 2.9L
ATH II 06 07 32 47.0 39.57N 25.96E 5–31 3.0L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.5km az=273.0.
ATH Event type ke. Error ellipse: s-maj=31.6km s-min=1.1km az=0.0.
ISC II 06 07 40 27.6–.78 39.51N–.01 26.18E–.02 12–4 104 0-3
ISK II 06 07 40 27.6 39.53N 26.16E 6–0 3.2L ¶610679432
DDA II 06 07 40 28.1–.00 39.54N 26.18E 5–1 3.0L
THE II 06 07 40 28.1 39.52N 26.17E 7–1 3.3L
ATH II 06 07 40 29.0 39.52N 26.08E 14–2 2.9L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.6km az=269.0.
ATH Event type ke. Error ellipse: s-maj=3.8km s-min=1.1km az=254.0.
ISC II 06 08 03 47.6–.89 39.54N–.02 26.12E–.03 9–6 58 0-2
DDA II 06 08 03 47.8–.00 39.55N 26.16E 3–1 2.1L ¶610679434
ISK II 06 08 03 47.1 39.54N 26.11E 7–0 2.6L
THE II 06 08 03 47.8 39.55N 26.10E 3–1 2.0L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.5km az=123.0.
ISC II 06 08 21 39.1–.96 39.55N–.03 26.15E–.04 9–7 40 0-2
DDA II 06 08 21 39.1–.00 39.56N 26.17E 4–2 2.0L ¶610914262
ISK II 06 08 21 40.3 39.59N 26.22E 15–0 2.4L
ISC Event type ke.
ISK Event type ke.
ISC II 06 08 22 44.0–.83 39.55N–.02 26.10E–.02 10–5 71 0-2
ISK II 06 08 22 43.8 39.56N 26.10E 6–0 2.7L ¶610914263
DDA II 06 08 22 44.3–.00 39.56N 26.13E 5–1 2.4L
ATH II 06 08 22 44.9 39.54N 26.07E 12–2 2.5L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=4.1km s-min=0.9km az=264.0.
ISC II 06 08 25 49.0–.92 39.57N–.02 26.12E–.03 7–7 38 0-2
DDA II 06 08 25 48.7–.00 39.57N 26.14E 4–1 2.0L ¶610914267
ISK II 06 08 25 48.8 39.57N 26.08E 8–0 2.5L
ISC Event type ke.
ISK Event type ke.
ISC II 06 08 38 28.9–.81 39.53N–.02 26.11E–.02 11–5 82 0-2
ISK II 06 08 38 28.7 39.54N 26.13E 6–0 2.6L ¶610679435
THE II 06 08 38 29.2 39.55N 26.09E 3–2 2.2L
DDA II 06 08 38 29.0–.00 39.54N 26.15E 7–1 2.3L
ATH II 06 08 38 29.5 39.54N 26.08E 6–2 2.2L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=2.7km s-min=0.8km az=119.0.
ATH Event type ke. Error ellipse: s-maj=4.4km s-min=0.9km az=259.0.
ISC II 06 09 18 53.6–.83 39.53N–.02 26.11E–.02 10–5 63 0-2
THE II 06 09 18 53.5 39.53N 26.13E 6–0 2.5L ¶610679437
DDA II 06 09 18 53.7–.00 39.54N 26.14E 6–1 2.6L
ISK II 06 09 18 53.2 39.55N 26.09E 6–0 2.9L
ATH II 06 09 18 54.8 39.51N 26.00E 16–1 2.4L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=0.9km s-min=0.4km az=106.0.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=4.8km s-min=0.9km az=263.0.
ISC II 06 09 20 32.7–.84 39.54N–.02 26.12E–.03 7–6 49 0-2
DDA II 06 09 20 32.7–.00 39.54N 26.17E 4–1 2.2L ¶610914283
ISK II 06 09 20 32.2 39.54N 26.14E 6–0 2.7L
ISC Event type ke.
ISK Event type ke.
ISC II 06 09 29 35.6–.84 39.54N–.01 26.12E–.02 10–6 95 0-6
ISK II 06 09 29 35.2 39.55N 26.13E 5–0 3.2L ¶610679438
DDA II 06 09 29 35.8–.00 39.57N 26.19E 7–2 3.3W
SOF II 06 09 29 35.4 39.64N 26.01E 2 3.1
THE II 06 09 29 35.6 39.54N 26.13E 9–0 3.2L
ATH II 06 09 29 36.6 39.54N 26.05E 12–1 3.1L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=0.9km s-min=0.4km az=273.0.
ATH Event type ke. Error ellipse: s-maj=2.5km s-min=0.8km az=254.0.
ISC II 06 09 42 33.6–.83 39.53N–.02 26.11E–.02 11–6 116 0-7
ISK II 06 09 42 32.9 39.54N 26.10E 11–0 3.4L ¶610679439
THE II 06 09 42 33.7 39.52N 26.07E 4–1 3.2L
DDA II 06 09 42 33.9–.00 39.55N 26.15E 7–2 3.3L
ATH II 06 09 42 35.1 39.51N 25.99E 16–1 3.0L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.5km az=110.0.
ATH Event type ke. Error ellipse: s-maj=2.9km s-min=0.8km az=259.0.
ISC II 06 10 58 02.2–.60 39.53N–.01 26.16E–.02 12–3 5.2b,4.5s 2019 0-163
BJI II 06 10 57 59.0–.00 39.50N 26.10E 6 5.3b,4.9s ¶610197961
MOS II 06 10 58 00.8–1.1 39.55N 26.18E 11 5.2b,4.6s
ISK II 06 10 58 01.2 39.53N 26.10E 14–0 5.3L,4.6s
PDG II 06 10 58 01.2–.56 39.50N 26.10E 11–0 5.4,5.3L
MED_R II 06 10 58 01.0–.20 39.52N 26.21E 11–0 5.2W,5.3L
GII II 06 10 58 01.7–.99 39.45N 25.94E 40 5.4,5.3L
MCSM II 06 10 58 01.8–.40 40N–3.0 26E–4.0 11–2 5.2b,5.3L
THE II 06 10 58 02.1 39.52N 26.09E 6–1 5.1L,5.3L
ATH II 06 10 58 02.5 39.51N 26.12E 15–0 5.1L,5.3L
IDC II 06 10 58 02.2–1.8 39.57N 26.14E 17–11 4.7,4.6b
NEIC II 06 10 58 02.3–2.0 39.57N–.03 26.08E–.06 7–3 5.4b,5.2
DDA II 06 10 58 02.0–.00 39.53N 26.14E 10–0 5.3W,5.2
GCMT II 06 10 58 03.3–.10 39.54N–.01 26.06E–.01 12 5.2W,5.2
NEIC II 06 10 58 04.3 39.49N 26.24E 12 5.2W,5.2
CFUSG II 06 10 58 07.0 39.80N 26.70E 10 4.0b,5.2
ISC Event type ke. Moment Tensor Solution. NP1:ϕs77.94930°,δ50.97255°,λ-103.31728°. NP2: ϕs278.55112°,δ40.89115°,λ-74.13635°. Principal axes: T Plg5.1222°,Azm177.3612° ; N Plg10.3081°,Azm86.4270°; P Plg78.4644°,Azm293.4134°
MOS Error ellipse: s-maj=3.2km s-min=2.0km az=108.8.
ISK Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.4km s-min=0.6km az=0.0.
MED_R Error ellipse: s-maj=2.2km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=35s. Moment Tensor Solution. Body waves: s6,c8; Mantle waves: s34,c64;Duration: 1s8 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.74±.03 $M_{\theta\theta}$0.58±.02; $M_{\phi\phi}$0.17±.02; $M_{r\theta}$-0.01±.05; $M_{\theta\phi}$-0.33±.01; $M_{\phi r}$-0.06±.05; Best double couple: NP1:ϕs303.00000°,δ46.00000°,λ-84.00000°. NP2:ϕs115.00000°,δ44.00000°,λ-96.00000°. Principal axes: T 0.7600,Plg1.0000°,Azm29.0000°; N -0.0100,Plg4.0000°,Azm119.0000° ; P -0.7500,Plg86.0000°,Azm289.0000° $M_0$0.75000×10^{17}
GII Event type ke.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.6km az=107.0.
ATH Event type ke. Error ellipse: s-maj=1.5km s-min=0.6km az=251.0.
IDC Error ellipse: s-maj=7.4km s-min=6.5km az=117.0.
NEIC Event type se. Error ellipse: s-maj=6.8km s-min=4.8km az=78.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-4.53 $M_{\theta\theta}$3.52 $M_{\phi\phi}$1.01 $M_{r\theta}$-0.06 $M_{\theta\phi}$-2.21 $M_{\phi r}$-0.22 NP1:ϕs303.14000°,δ45.42000°,λ-85.83000°. NP2:ϕs117.21000° ,δ44.74000°,λ-94.21000°. Principal axes: T 4.8037,Plg0.0000°,Azm30.0000° ; N -0.2635,Plg3.0000°,Azm120.0000°; P -4.5402,Plg87.0000°,Azm294.0000° $M_0$4.68000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s96,c124; s145,c252;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.84±.01 $M_{\theta\theta}$0.67±.01; $M_{\phi\phi}$0.16±.01; $M_{r\theta}$0.06±.04; $M_{\theta\phi}$-0.36±.01; $M_{\phi r}$-0.00±.04; Best double couple: NP1:ϕs296.00000°,δ47.00000°,λ-92.00000°. NP2:ϕs119.00000°,δ43.00000°,λ-88.00000°. Principal axes: T 0.8590,Plg2.0000° ,Azm28.0000°; N -0.0180,Plg2.0000°,Azm297.0000°; P -0.8410,Plg88.0000°,Azm163.0000° $M_0$0.85000×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 2s0 Moment tensor: Scale 10^{16}Nm; M_{rr}-6.62 $M_{\theta\theta}$5.15 $M_{\phi\phi}$1.47 $M_{r\theta}$0.43 $M_{\theta\phi}$-3.00 $M_{\phi r}$0.96 NP1:ϕs128.16000°,δ46.09000° ,λ-77.43000°. NP2:ϕs290.33000°,δ45.32000°,λ-102.74000°. Principal axes: T 6.8245,Plg0.0000°,Azm209.0000°; N -0.0384,Plg9.0000°,Azm299.0000° ; P -6.7860,Plg81.0000°,Azm117.0000° $M_0$6.81000×10^{16}
CFUSG Western Turkey. Magtype MSH 4.4 from 3 stations.
ISC II 06 11 03 33.1–.76 39.52N–.02 26.15E–.02 9–4 119 0-41
DDA II 06 11 03 32.6–.00 39.53N 26.15E 9–0 3.5L ¶610414964
ISK II 06 11 03 32.2 39.53N 26.12E 11–0 3.6L
IDC II 06 11 03 32.6–1.2 39.45N 26.27E 0 3.8L,3.5
ATH II 06 11 03 33.2 39.52N 26.12E 12–2 3.8L,3.5
ISC Event type ke.
ISK Event type ke.
IDC Error ellipse: s-maj=17.3km s-min=13.7km az=71.0.
ATH Event type ke. Error ellipse: s-maj=3.1km s-min=1.0km az=253.0.
ISC II 06 11 04 40.8–1.1 39.50N–.05 26.10E–.07 12 13 0-1
DDA II 06 11 04 35.9–.00 39.32N 26.05E 7–1 2.9L ¶610914315
ISK II 06 11 04 42.2 39.54N 26.14E 12–0 2.8L
ISC Event type ke.
ISK Event type ke.
ISC II 06 11 11 33.9–1.0 39.54N–.02 26.13E–.02 9–9 50 0-3
ISK II 06 11 11 33.4 39.55N 26.12E 8–0 3.0L ¶610914316
ATH II 06 11 11 34.2 39.52N 26.13E 6–2 2.9L
DDA II 06 11 11 34.2–.00 39.55N 26.19E 6–2 3.2L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=4.5km s-min=0.9km az=264.0.
ISC II 06 11 21 01.6–.90 39.54N–.03 26.18E–.03 9–6 33 0-2
ISK II 06 11 21 00.9 39.54N 26.17E 7–0 2.7L ¶610914317
DDA II 06 11 21 01.6–.00 39.54N 26.19E 5–1 3.5W
ISC Event type ke.
ISK Event type ke.
ISC II 06 11 28 30.5–.83 39.52N–.02 26.14E–.02 11–6 73 0-2
DDA II 06 11 28 30.8–.00 39.52N 26.17E 7–2 2.8L ¶610679441
THE II 06 11 28 30.6 39.52N 26.16E 8–1 2.9L
ISK II 06 11 28 30.2 39.54N 26.15E 6–0 2.9L
ATH II 06 11 28 31.5 39.51N 26.09E 11–2 2.6L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.6km az=276.0.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=4.4km s-min=1.1km az=268.0.
ISC II 06 11 36 28.2–.81 39.53N–.02 26.09E–.02 11–5 112 0-7
ISK II 06 11 36 27.9 39.53N 26.13E 6–0 3.3L ¶610679442
THE II 06 11 36 28.9 39.54N 26.06E 9–0 3.2L
ATH II 06 11 36 28.9 39.51N 26.12E 13–2 3.3L
DDA II 06 11 36 28.6–.00 39.54N 26.15E 7–1 3.5W
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.5km az=252.0.
ATH Event type ke. Error ellipse: s-maj=3.9km s-min=1.0km az=250.0.
ISC II 06 11 45 01.4–.64 39.52N–.01 26.13E–.02 14–4 4.3b,3.2s 574 0-118
SOF II 06 11 44 57.3 39.25N 26.18E 15 4.7,3.2s ¶610206087
GII II 06 11 44 59.7–.00 39.54N 26.14E 10 4.6,3.2s
ISK II 06 11 45 00.9 39.53N 26.09E 13–0 4.5L,3.2s

MOS II 06 11 45 00.1–1.0 39.52N 26.20E 14 4.7b,3.2s
NEIC II 06 11 45 02.0–1.7 39.54N–.02 26.14E–.06 10–1 4.9b,3.2s
MCSM II 06 11 45 01.2–.40 40N–4.0 26E–7.0 10–3 4.6b,3.2s
DDA II 06 11 45 01.5–.00 39.53N 26.12E 11–0 4.4W,3.2s
THE II 06 11 45 01.7 39.53N 26.08E 13–0 4.3L,3.2s
IDC II 06 11 45 01.9–2.6 39.59N 26.14E 22–17 4.1,4.0b
MED_R II 06 11 45 01.0–.50 39.53N 26.08E 13–2 4.3W,4.0b
ATH II 06 11 45 02.2 39.51N 26.08E 16–1 4.2L,4.0b
CFUSG II 06 11 45 07.3 39.80N 26.40E 10 3.4b,4.0b
PRU II 06 11 45 31.9–.00 41.21N 24.25E 0 4.8,4.0b
ISC Event type ke.
GII Event type ke.
ISK Event type ke.
MOS Error ellipse: s-maj=4.2km s-min=2.7km az=100.9.
NEIC Event type se. Error ellipse: s-maj=8.5km s-min=2.9km az=114.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
THE Event type ke. Error ellipse: s-maj=0.6km s-min=0.3km az=102.0.
IDC Error ellipse: s-maj=9.0km s-min=8.9km az=64.0.
MED_R nsta1 refers to body waves. nsta2 refers to surface waves, cutoff=35s. Moment Tensor Solution. Mantle waves: s12,c16;Duration: 1s1 Moment tensor: Scale 10^{15}Nm; M_{rr}-3.27±.93 $M_{\theta\theta}$4.59±.58; $M_{\phi\phi}$-1.32±.53; $M_{r\theta}$-0.37±.48; $M_{\theta\phi}$0.85±.34; $M_{\phi r}$1.01±.77; Best double couple: NP1:ϕ_s104.00000°,δ51.00000°,λ-58.00000°. NP2:ϕ_s239.00000°,δ48.00000°,λ-124.00000°. Principal axes: T 4.7200,Plg2.0000°,Azm172.0000°; N -0.9600,Plg24.0000°,Azm263.0000° ; P -3.7500,Plg66.0000°,Azm79.0000° $M_0$4.23000×10^{15}
ATH Event type ke. Error ellipse: s-maj=2.7km s-min=0.8km az=266.0.
CFUSG Western Turkey. Magtype MSH 3.6 from 3 stations.
ISC II 06 11 48 58.6–.91 39.54N–.03 26.12E–.04 10–6 33 0-2
DDA II 06 11 48 58.9–.00 39.54N 26.15E 7–1 2.6L ¶610914324
ISK II 06 11 48 58.1 39.53N 26.13E 12–0 2.8L
ISC Event type ke.
ISK Event type ke.
ISC II 06 11 54 09.5–.83 39.52N–.02 26.13E–.02 12–6 91 0-7
ISK II 06 11 54 08.9 39.54N 26.13E 8–0 3.4L ¶610679443
THE II 06 11 54 09.6 39.54N 26.12E 10–1 3.2L
ATH II 06 11 54 09.3 39.54N 26.16E 9–1 3.2L
DDA II 06 11 54 09.9–.00 39.56N 26.18E 7–2 3.2L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.6km az=275.0.
ATH Event type ke. Error ellipse: s-maj=3.1km s-min=1.0km az=270.0.
ISK II 06 12 08 57.3 39.53N 26.09E 6–0 2.2L
¶610914343
ISK Event type ke.
ISC II 06 12 18 07.6–.80 39.53N–.01 26.07E–.02 13–5 159 0-41
IDC II 06 12 18 05.8–1.3 39.41N 26.00E 0 3.6L,3.4 ¶610198054
ISK II 06 12 18 07.4 39.55N 26.08E 7–0 3.5L,3.4
DDA II 06 12 18 08.6–.00 39.56N 26.16E 17–0 3.7W,3.4
ATH II 06 12 18 08.6 39.52N 26.06E 14–1 3.3L,3.4
THE II 06 12 18 08.2 39.52N 26.09E 8–1 3.5L,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=21.1km s-min=15.4km az=92.0.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.0km s-min=0.9km az=262.0.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.5km az=243.0.
ISC II 06 12 28 48.4–.73 39.52N–.02 26.12E–.02 13–4 3.7b 197 0-41
IDC II 06 12 28 46.0–1.1 39.44N 26.22E 0 3.6,3.6b ¶610198055
DDA II 06 12 28 48.9–.00 39.54N 26.13E 8–1 3.7W,3.6b
ISK II 06 12 28 48.3 39.52N 26.11E 10–0 3.9L,3.6b
THE II 06 12 28 49.0 39.52N 26.09E 7–1 3.5L,3.6b
ATH II 06 12 28 49.2 39.51N 26.13E 12–2 3.4L,3.6b
SOF II 06 12 29 05.2 40.62N 25.23E 9 3.0,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=16.9km s-min=13.5km az=81.0.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.6km az=113.0.
ATH Event type ke. Error ellipse: s-maj=3.1km s-min=1.0km az=252.0.
ISC II 06 13 02 00.1–.83 39.52N–.01 26.12E–.02 10–6 145 0-7
ISK II 06 13 01 59.5 39.53N 26.13E 10–0 3.6L ¶610679446
THE II 06 13 02 00.5 39.52N 26.13E 10–1 3.4L
ATH II 06 13 02 00.4 39.50N 26.14E 10–3 3.4L
DDA II 06 13 02 00.4–.00 39.54N 26.18E 13–2 3.7W
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.7km az=99.0.
ATH Event type ke. Error ellipse: s-maj=4.4km s-min=1.1km az=254.0.
ISK II 06 13 14 32.5 39.55N 26.15E 6–0 2.6L
DDA II 06 13 14 33.1–.00 39.56N 26.15E 7–1 2.1L ¶610914388
ISK Event type ke.
ISC II 06 13 20 44.6–.82 39.52N–.01 26.09E–.02 12–6 96 0-3
ISK II 06 13 20 44.4 39.55N 26.08E 3–0 2.9L ¶610679447
DDA II 06 13 20 45.0–.00 39.54N 26.15E 7–2 3.1W
THE II 06 13 20 45.0 39.52N 26.08E 7–2 2.6L
ATH II 06 13 20 46.0 39.52N 26.00E 12–2 2.6L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=2.0km s-min=0.9km az=236.0.
ATH Event type ke. Error ellipse: s-maj=4.1km s-min=1.1km az=260.0.
ISC II 06 13 42 11.6–.90 39.55N–.02 26.08E–.03 15–7 52 0-2
THE II 06 13 42 11.7 39.55N 26.07E 3–2 2.5L ¶610679448
ATH II 06 13 42 12.3 39.54N 26.05E 15–2 2.4L
DDA II 06 13 42 12.2–.00 39.56N 26.12E 7–2 2.5L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=2.2km s-min=0.7km az=125.0.
ATH Event type ke. Error ellipse: s-maj=4.6km s-min=1.3km az=252.0.
ISK II 06 13 42 39.5 39.55N 26.09E 5–0 2.4L
¶616064278
ISK Event type ke.
ISK II 06 13 48 34.9 39.52N 26.08E 12–0 2.1L
¶610914416
ISK Event type ke.
ISK II 06 13 50 12.3 39.59N 26.06E 4–0 1.9L
¶610914418
ISK Event type ke.
ISC II 06 13 51 33.3–.89 39.56N–.02 26.12E–.03 11–7 37 0-1
ISK II 06 13 51 33.5 39.53N 26.12E 5–0 2.5L ¶610914419
ATH II 06 13 51 33.5 39.58N 26.12E 10–6 2.3L
DDA II 06 13 51 36.3–.00 39.75N 26.32E 7–6 2.0L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=11.9km s-min=1.4km az=270.0.
ISC II 06 14 23 34.8–.82 39.54N–.01 26.08E–.02 12–6 133 0-7
ISK II 06 14 23 34.5 39.56N 26.11E 7–0 3.2L ¶610679450
THE II 06 14 23 35.0 39.55N 26.06E 7–1 3.2L
ATH II 06 14 23 35.6 39.52N 26.08E 15–1 3.2L
SOF II 06 14 23 35.3 39.65N 26.03E 9 3.2
DDA II 06 14 23 35.3–.00 39.56N 26.13E 7–1 3.4W
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.8km az=121.0.
ATH Event type ke. Error ellipse: s-maj=3.2km s-min=0.9km az=259.0.
ISC II 06 14 25 00.7–.89 39.55N–.02 26.11E–.04 12–6 42 0-1
ISK II 06 14 25 00.3 39.55N 26.09E 6–0 2.3L ¶610914459
DDA II 06 14 25 00.2–.00 39.53N 26.11E 7–3 2.2L
ISC Event type ke.
ISK Event type ke.
ISC II 06 14 36 10.2–.84 39.53N–.02 26.15E–.02 12–6 84 0-3
THE II 06 14 36 10.8 39.53N 26.12E 3–1 2.9L ¶610679451
DDA II 06 14 36 10.6–.00 39.52N 26.16E 7–2 3.1L
ISK II 06 14 36 10.2 39.53N 26.16E 6–0 3.0L
ATH II 06 14 36 11.0 39.52N 26.12E 9–2 2.8L

ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.4km az=278.0.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=4.2km s-min=1.0km az=261.0.
ISC II 06 14 58 42.9–.82 39.52N–.01 26.08E–.02 14–5 169 0-9
ISK II 06 14 58 42.9 39.53N 26.11E 11–0 3.5L ¶610198064
THE II 06 14 58 43.5 39.54N 26.05E 6–1 3.6L
DDA II 06 14 58 43.5–.00 39.54N 26.12E 8–2 3.7W
ATH II 06 14 58 44.0 39.50N 26.06E 15–1 3.4L
SOF II 06 14 58 59.5 40.83N 26.17E 2 3.1
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.7km az=122.0.
ATH Event type ke. Error ellipse: s-maj=3.6km s-min=1.0km az=262.0.
ISC II 06 15 23 35.4–.83 39.54N–.01 26.05E–.02 12–6 165 0-8
DDA II 06 15 23 35.9–.00 39.56N 26.12E 7–2 3.5W ¶610198065
ISK II 06 15 23 35.3 39.56N 26.07E 7–0 3.4L
THE II 06 15 23 36.1 39.56N 26.04E 7–1 3.4L
ATH II 06 15 23 36.6 39.53N 26.05E 15–1 3.4L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.5km az=99.0.
ATH Event type ke. Error ellipse: s-maj=2.2km s-min=0.8km az=267.0.
ISC II 06 16 14 32.8–.84 39.55N–.02 26.04E–.02 12–6 79 0-2
ISK II 06 16 14 32.5 39.56N 26.07E 7–0 2.9L ¶610679452
DDA II 06 16 14 33.1–.00 39.56N 26.12E 7–1 1.9L
THE II 06 16 14 33.3 39.56N 26.07E 7–1 2.5L
ATH II 06 16 14 34.5 39.51N 25.87E 23–2 2.6L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.8km az=103.0.
ATH Event type ke. Error ellipse: s-maj=4.2km s-min=1.3km az=87.0.
ISC II 06 17 16 53.0–.81 39.53N–.01 26.07E–.02 11–5 112 0-4
ISK II 06 17 16 52.7 39.55N 26.10E 7–0 3.2L ¶610679455
DDA II 06 17 16 53.4–.00 39.57N 26.13E 4–1 2.8L
THE II 06 17 16 53.4 39.55N 26.03E 8–1 2.9L
ATH II 06 17 16 54.0 39.51N 26.03E 16–1 3.1L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.7km az=84.0.
ATH Event type ke. Error ellipse: s-maj=2.7km s-min=0.9km az=264.0.
ISC II 06 17 29 17.9–.92 39.55N–.02 26.07E–.02 9–6 96 0-3
ISK II 06 17 29 17.3 39.56N 26.09E 6–0 2.9L ¶610914586
DDA II 06 17 29 17.8–.00 39.55N 26.12E 8–0 2.6L
THE II 06 17 29 18.2 39.56N 26.05E 6–1 2.7L
ATH II 06 17 29 18.7 39.52N 26.03E 12–2 2.6L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=2.0km s-min=0.8km az=103.0.
ATH Event type ke. Error ellipse: s-maj=4.1km s-min=1.0km az=253.0.
ISC II 06 18 37 44.7–.89 39.54N–.02 26.10E–.04 10–6 39 0-2
ISK II 06 18 37 44.1 39.54N 26.08E 6–0 2.6L ¶612619180
DDA II 06 18 37 45.0–.00 39.55N 26.13E 7–1 2.0L
ISC Event type ke.
ISK Event type ke.
ISC II 06 19 14 38.1–.86 39.53N–.01 26.16E–.02 8–6 116 0-7
ISK II 06 19 14 37.5 39.54N 26.16E 7–0 3.2L ¶610679461
ATH II 06 19 14 38.9 39.53N 26.11E 9–2 2.9L
DDA II 06 19 14 38.1–.00 39.55N 26.18E 10–2 3.0L
THE II 06 19 14 38.2 39.54N 26.14E 3–1 2.9L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=4.0km s-min=0.9km az=267.0.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.6km az=118.0.
ISC II 06 19 54 04.1–.89 39.54N–.02 26.08E–.03 10–7 57 0-2
ISK II 06 19 54 03.9 39.54N 26.09E 6–0 2.8L ¶610914655
DDA II 06 19 54 04.3–.00 39.54N 26.14E 7–2 2.4L
ATH II 06 19 54 05.3 39.51N 26.00E 16–3 2.4L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=6.4km s-min=1.3km az=265.0.
ISC II 06 20 22 05.5–.79 39.56N–.01 26.09E–.02 12–5 3.5b 260 0-41
ISK II 06 20 22 04.9 39.56N 26.08E 8–0 4.0L ¶610198154
IDC II 06 20 22 04.1–1.0 39.48N 26.15E 0 3.6,3.5b
DDA II 06 20 22 05.6–.00 39.56N 26.12E 7–3 3.9W,3.5b
THE II 06 20 22 05.5 39.54N 26.09E 6–0 3.8L,3.5b
ATH II 06 20 22 06.2 39.54N 26.08E 13–1 3.7L,3.5b
SOF II 06 20 22 07.0 39.76N 25.97E 8 3.8,3.5b
BEO II 06 20 22 07.5–.70 39.64N 25.88E 0 3.6L,3.5b
CFUSG II 06 20 22 10.2 39.90N 26.60E 10 3.0b,3.5b
ISC Event type ke.
ISK Event type ke.
IDC Error ellipse: s-maj=18.8km s-min=14.8km az=96.0.
THE Event type ke. Error ellipse: s-maj=0.9km s-min=0.4km az=230.0.
ATH Event type ke. Error ellipse: s-maj=2.6km s-min=0.8km az=257.0.
BEO Event type ke.
CFUSG Western Turkey. Magtype MSH 3.5 from 4 stations.
ISC II 06 21 29 20.8–.89 39.55N–.03 26.11E–.04 9–6 35 0-2
ISK II 06 21 29 20.8 39.54N 26.11E 8–0 2.6L ¶610914698
DDA II 06 21 29 20.5–.00 39.56N 26.14E 7–1 1.8L
ISC Event type ke.
ISK Event type ke.
ISC II 06 21 57 48.2–.81 39.55N–.02 26.10E–.03 11–5 59 0-2
ISK II 06 21 57 47.9 39.56N 26.10E 6–0 2.9L ¶610914708
ATH II 06 21 57 47.9 39.54N 26.17E 7–2 2.7L
DDA II 06 21 57 48.5–.00 39.57N 26.12E 5–0 2.4L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=4.3km s-min=1.0km az=260.0.
ISC II 06 22 14 02.3–.83 39.55N–.02 26.08E–.02 12–5 59 0-2
DDA II 06 22 14 02.4–.00 39.56N 26.12E 6–0 2.5L ¶610914712
ISK II 06 22 14 02.1 39.56N 26.10E 6–0 2.8L
ATH II 06 22 14 03.5 39.53N 26.04E 14–1 2.6L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.3km s-min=0.7km az=263.0.
ISC II 06 22 30 14.8–.94 39.55N–.03 26.11E–.04 11–6 33 0-2
ISK II 06 22 30 14.4 39.55N 26.07E 8–0 2.5L ¶610914715
DDA II 06 22 30 15.1–.00 39.56N 26.13E 6–0 1.9L
ISC Event type ke.
ISK Event type ke.
ISC II 06 22 39 35.9–.84 39.55N–.02 26.13E–.03 8–5 59 0-2
DDA II 06 22 39 35.8–.00 39.54N 26.18E 4–1 2.2L ¶610914716
ISK II 06 22 39 35.4 39.55N 26.14E 6–0 2.8L
ATH II 06 22 39 36.4 39.55N 26.10E 6–2 2.4L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.4km s-min=0.7km az=261.0.
ISC II 06 23 25 40.4–.86 39.52N–.02 26.13E–.03 9–5 47 0-2
ISK II 06 23 25 39.9 39.52N 26.13E 6–0 2.6L ¶610914723
DDA II 06 23 25 40.5–.00 39.54N 26.14E 7–0 2.3L
ISC Event type ke.
ISK Event type ke.
ISC II 06 23 38 50.0–.89 39.52N–.03 26.18E–.04 10–6 27 0-2
ISK II 06 23 38 49.2 39.52N 26.20E 6–0 2.2L ¶610914724
DDA II 06 23 38 50.3–.00 39.53N 26.15E 7–0 1.6L
ISC Event type ke.
ISK Event type ke.
ISC II 07 00 28 52.2–.85 39.55N–.02 26.09E–.02 10–5 78 0-2
ISK II 07 00 28 51.7 39.56N 26.09E 5–0 2.9L ¶610679466
THE II 07 00 28 52.1 39.55N 26.11E 4–1 2.6L

ATH II 07 00 28 52.6 39.55N 26.09E 9–1 2.7L
DDA II 07 00 28 52.3–.00 39.56N 26.13E 5–0 2.5L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.5km az=265.0.
ATH Event type ke. Error ellipse: s-maj=3.4km s-min=0.9km az=269.0.
DDA II 07 01 13 22.5–.00 39.55N 26.17E 7–1 1.8L ¶610679469
ISC II 07 01 13 58.8–1.0 39.52N–.02 26.08E–.03 10–9 71 0-7
DDA II 07 01 13 59.1–.00 39.53N 26.13E 7–2 2.9L **¶612619194**
THE II 07 01 13 59.3 39.52N 26.13E 1–1 2.8L
ATH II 07 01 13 59.3 39.52N 26.11E 11–2 2.8L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.3km az=272.0.
ATH Event type ke. Error ellipse: s-maj=3.9km s-min=0.9km az=260.0.
ISK II 07 01 32 49.4 39.56N 26.08E 2–0 2.0L
DDA II 07 01 32 41.4–.00 40.17N 27.12E 7–1 1.8L **¶610914740**
ISK Event type ke.
ISC II 07 01 42 44.9–.90 39.56N–.02 26.08E–.02 8–7 76 0-2
ISK II 07 01 42 44.4 39.56N 26.09E 6–0 2.7L **¶610679470**
DDA II 07 01 42 45.1–.00 39.58N 26.12E 7–2 2.3L
ATH II 07 01 42 45.7 39.54N 26.02E 9–2 2.4L
THE II 07 01 42 45.2 39.57N 26.05E 2–1 2.4L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=5.0km s-min=1.1km az=267.0.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.4km az=265.0.
ISC II 07 02 24 04.2–.43 39.51N–.01 26.15E–.02 12–2 5.1b,4.7s 1857 0-163
IDC II 07 02 24 01.7–.35 39.49N 26.08E 0 4.6s,4.6 **¶610198715**
BJI II 07 02 24 01.4–.00 39.54N 25.81E 19 5.4b,5.1s
ISK II 07 02 24 02.9 39.52N 26.12E 13–0 5.3L,5.1s
MOS II 07 02 24 02.3–.96 39.51N 26.19E 9 5.0b,4.9s
MCSM II 07 02 24 03.3–.40 40N–4.0 26E–7.0 11–2 5.3b,4.9s
PDG II 07 02 24 03.5–.60 39.51N 26.10E 13–0 5.4,5.3L
MED_R II 07 02 24 03.0–.10 39.50N 26.25E 10–0 5.4W,5.3L
DDA II 07 02 24 03.1–.00 39.51N 26.12E 12–0 5.2W,5.3L
BEO II 07 02 24 04.9–.60 39.63N 26.13E 0 5.2L,5.3L
THE II 07 02 24 04.1 39.53N 26.12E 8–0 5.1L,5.3L
NEIC II 07 02 24 04.2–1.3 39.53N–.04 26.10E–.05 8–3 5.3,5.3
ATH II 07 02 24 04.7 39.49N 26.12E 16–1 5.2L,5.3
GCMT II 07 02 24 05.2–.10 39.46N–.01 26.10E–.01 12 5.4W,5.3
SOF II 07 02 24 06.9 39.82N 26.01E 10 5.1,5.3
CFUSG II 07 02 24 08.8 39.90N 26.50E 10 4.1b,5.3
GII II 07 02 24 09.6–.00 39.08N 26.45E 10 5.4,5.4
NEIC II 07 02 24 11 39.53N 26.10E 12 5.4,5.4
ISC Event type ke. Moment Tensor Solution. NP1:ϕ_s282.18243°,δ52.74110°,λ-120.96072°. NP2: ϕ_s146.92148°,δ46.96012°,λ-55.92878°. Principal axes: T Plg3.1248°,Azm33.5477° ; N Plg24.1706°,Azm302.1438°; P Plg65.6023°,Azm130.4606°
IDC Error ellipse: s-maj=7.9km s-min=7.7km az=121.0.
ISK Event type ke.
MOS Error ellipse: s-maj=3.4km s-min=2.2km az=103.5.
PDG Event type ke. Error ellipse: s-maj=0.4km s-min=0.5km az=0.0.
MED_R Error ellipse: s-maj=2.2km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=40s. Moment Tensor Solution. Body waves: s2,c2; Mantle waves: s31,c47;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.32±.05 $M_{\theta\theta}$1.25±.03; $M_{\phi\phi}$0.07±.03; $M_{r\theta}$-0.04±.07; $M_{\theta\phi}$-0.51±.02; $M_{\phi r}$-0.30±.10; Best double couple: NP1:ϕ_s303.00000°,δ48.00000°,λ-72.00000°. NP2:ϕ_s98.00000°,δ45.00000°,λ-108.00000°. Principal axes: T 1.4400,Plg1.0000°,Azm21.0000°; N -0.0500,Plg13.0000°,Azm111.0000° ; P -1.3900,Plg77.0000°,Azm284.0000° $M_0$1.41000$\times 10^{17}$
BEO Event type ke.
THE Event type ke. Error ellipse: s-maj=0.5km s-min=0.2km az=69.0.
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=4.9km az=210.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.92 $M_{\theta\theta}$0.97 $M_{\phi\phi}$-0.04 $M_{r\theta}$0.07 $M_{\theta\phi}$-0.37 $M_{\phi r}$-0.20 NP1:ϕ_s299.37000°,δ49.84000°,λ-74.60000°. NP2:ϕ_s96.25000°,δ42.54000° ,λ-107.46000°. Principal axes: T 1.0975,Plg4.0000°,Azm19.0000°; N -0.1299,Plg12.0000° ,Azm109.0000°; P -0.9676,Plg78.0000°,Azm271.0000° $M_0$1.04000$\times 10^{17}$
ATH Event type ke. Error ellipse: s-maj=1.4km s-min=0.6km az=142.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s111,c183; s154,c296;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.49±.02 $M_{\theta\theta}$1.36±.02; $M_{\phi\phi}$0.12±.02; $M_{r\theta}$-0.05±.04; $M_{\theta\phi}$-0.64±.01; $M_{\phi r}$-0.14±.05; Best double couple: NP1:ϕ_s299.00000°,δ46.00000°,λ-81.00000°. NP2:ϕ_s107.00000°,δ45.00000°,λ-99.00000°. Principal axes: T 1.6340,Plg0.0000° ,Azm23.0000°; N -0.1290,Plg6.0000°,Azm113.0000°; P -1.5060,Plg84.0000°,Azm291.0000° $M_0$1.57000$\times 10^{17}$
CFUSG Western Turkey. Magtype MSH 4.5 from 5 stations.
GII Event type ke.
NEIC Event type se. Moment Tensor Solution.Duration: 2s5 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.21 $M_{\theta\theta}$1.08 $M_{\phi\phi}$0.12 $M_{r\theta}$-0.09 $M_{\theta\phi}$-0.45 $M_{\phi r}$-0.06 NP1:ϕ_s107.33000°,δ46.64000° ,λ-95.91000°. NP2:ϕ_s295.90000°,δ43.68000°,λ-83.78000°. Principal axes: T 1.2610,Plg1.0000°,Azm202.0000°; N -0.0477,Plg4.0000°,Azm111.0000° ; P -1.2133,Plg85.0000°,Azm311.0000° $M_0$1.24000$\times 10^{17}$
ISC II 07 02 30 37.8–.84 39.53N–.02 26.11E–.02 11–6 84 0-3
ATH II 07 02 30 35.9 39.51N 26.37E 7–3 3.2L **¶610679471**
ISK II 07 02 30 37.8 39.53N 26.13E 5–0 3.0L
DDA II 07 02 30 37.6–.00 39.55N 26.14E 7–3 3.1L
THE II 07 02 30 38.4 39.53N 26.15E 4–1 3.0L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.8km s-min=0.9km az=239.0.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.4km az=276.0.
ISC II 07 02 45 12.6–.81 39.52N–.01 26.06E–.02 12–5 90 0-3
ISK II 07 02 45 12.2 39.53N 26.05E 5–0 3.0L **¶610679474**
DDA II 07 02 45 12.7–.00 39.51N 26.11E 13–0 2.7L
THE II 07 02 45 12.5 39.52N 26.05E 4–1 2.6L
ATH II 07 02 45 13.0 39.49N 26.06E 13–1 2.6L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.5km az=268.0.
ATH Event type ke. Error ellipse: s-maj=4.5km s-min=0.8km az=269.0.
ISC II 07 03 16 31.3–.79 39.53N–.02 26.11E–.02 10–5 125 0-8
ISK II 07 03 16 30.9 39.53N 26.12E 10–0 3.1L **¶610679475**
THE II 07 03 16 31.6 39.52N 26.13E 7–0 3.2L
DDA II 07 03 16 31.5–.00 39.53N 26.16E 9–0 3.0L
ATH II 07 03 16 31.9 39.51N 26.10E 12–2 3.1L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.4km az=267.0.
ATH Event type ke. Error ellipse: s-maj=3.0km s-min=0.8km az=262.0.
ISC II 07 03 20 01.7–.95 39.51N–.03 26.10E–.04 11–5 40 0-2
DDA II 07 03 20 01.6–.00 39.50N 26.11E 12–0 2.5L **¶610914770**
ISK II 07 03 20 01.5 39.51N 26.09E 6–0 2.8L
ISC Event type ke.
ISK Event type ke.
ISC II 07 03 24 46.4–.80 39.51N–.02 26.12E–.02 11–5 77 0-4
ISK II 07 03 24 46.0 39.52N 26.12E 8–0 3.0L **¶610914773**
DDA II 07 03 24 46.5–.00 39.52N 26.16E 9–0 2.9L
ATH II 07 03 24 47.2 39.52N 26.07E 12–2 2.9L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.9km s-min=1.0km az=260.0.
ISC II 07 03 48 20.8–.84 39.52N–.02 26.14E–.03 11–5 57 0-3
DDA II 07 03 48 20.9–.00 39.51N 26.16E 8–0 2.7L **¶610679476**
ATH II 07 03 48 20.3 39.53N 26.20E 6–2 2.9L
THE II 07 03 48 21.0 39.52N 26.13E 6–0 2.8L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.7km s-min=0.9km az=258.0.
THE Event type ke. Error ellipse: s-maj=0.8km s-min=0.3km az=268.0.
ISC II 07 03 49 32.9–1.0 36.68N–.03 31.91E–.03 14–9 41 0-3
ISK II 07 03 49 32.3 36.74N 31.91E 2–0 2.5L **¶610205559**
DDA II 07 03 49 33.4–.00 36.74N 31.93E 7–1 2.1L
NIC II 07 03 49 34.8–.00 36.50N 31.97E 16–4 2.4L
ISC Event type ke.
ISK Event type ke.
NIC Event type ke.
ISC II 07 03 53 52.9–.79 39.51N–.01 26.09E–.02 11–5 111 0-7
ISK II 07 03 53 52.6 39.52N 26.07E 10–0 3.4L **¶610679479**
THE II 07 03 53 52.9 39.51N 26.11E 5–1 2.9L
ATH II 07 03 53 53.6 39.50N 26.05E 12–1 3.1L
DDA II 07 03 53 53.0–.00 39.53N 26.12E 10–0 3.1L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.5km az=112.0.
ATH Event type ke. Error ellipse: s-maj=2.9km s-min=0.8km az=262.0.
ISC II 07 04 03 46.5–.94 39.52N–.03 26.07E–.03 11–6 36 0-2
ISK II 07 04 03 45.9 39.53N 26.03E 6–0 2.5L **¶610914782**
DDA II 07 04 03 46.6–.00 39.53N 26.12E 12–0 2.1L
ISC Event type ke.
ISK Event type ke.
ISC II 07 04 09 10.7–.88 39.54N–.02 26.17E–.04 8–7 37 0-2
DDA II 07 04 09 10.7–.00 39.54N 26.17E 6–0 2.2L **¶610914783**
ISK II 07 04 09 10.2 39.54N 26.18E 5–0 2.8L
ISC Event type ke.
ISK Event type ke.
ISC II 07 04 18 18.9–.84 39.53N–.02 26.13E–.02 13–6 64 0-3
ISK II 07 04 18 19.3 39.53N 26.12E 6–0 2.9L **¶610679480**
DDA II 07 04 18 19.3–.00 39.52N 26.16E 7–2 2.6L
THE II 07 04 18 19.7 39.53N 26.10E 5–1 2.5L
ATH II 07 04 18 20.5 39.51N 26.02E 13–3 2.8L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.6km az=110.0.
ATH Event type ke. Error ellipse: s-maj=5.7km s-min=1.1km az=253.0.
ISC II 07 04 19 33.9–.89 39.54N–.02 26.12E–.03 7–7 56 0-2
ATH II 07 04 19 32.9 39.42N 25.36E 16–2 2.3L **¶610679481**
ISK II 07 04 19 33.7 39.53N 26.14E 4–0 2.6L
DDA II 07 04 19 34.4–.00 39.59N 26.17E 7–4 2.3L
THE II 07 04 19 34.2 39.56N 26.08E 3–3 2.4L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.3km s-min=1.2km az=101.0.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=3.6km s-min=0.9km az=122.0.
ISK II 07 04 24 44.0 39.54N 26.18E 5–0 2.4L ¶610914792
ISK Event type ke.
DDA II 07 04 25 21.4–.00 39.53N 26.30E 7–3 2.0L ¶616228546
ISC II 07 04 43 20.0–.90 39.51N–.02 26.16E–.03 9–6 34 0-2
ISK II 07 04 43 19.5 39.51N 26.17E 5–0 2.8L **¶610914803**
DDA II 07 04 43 20.0–.00 39.52N 26.15E 8–0 2.0L
ISC Event type ke.
ISK Event type ke.
ISC II 07 04 55 19.5–.84 39.51N–.02 26.07E–.02 15–6 74 0-3
ISK II 07 04 55 18.9 39.51N 26.07E 13–0 2.8L **¶610679484**
DDA II 07 04 55 19.1–.00 39.51N 26.08E 7–2 2.7L
THE II 07 04 55 19.5 39.51N 26.08E 12–1 2.5L
ATH II 07 04 55 20.0 39.50N 26.05E 14–1 2.7L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.7km az=278.0.
ATH Event type ke. Error ellipse: s-maj=3.3km s-min=0.9km az=265.0.
ISC II 07 05 12 27.4–.93 39.56N–.02 26.11E–.03 10–8 43 0-2
ISK II 07 05 12 26.9 39.56N 26.13E 5–0 2.5L **¶610914815**
DDA II 07 05 12 27.1–.00 39.56N 26.11E 7–1 1.9L
ATH II 07 05 12 28.1 39.56N 26.06E 7–3 2.1L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=5.9km s-min=1.0km az=262.0.
ISC II 07 05 15 51.3–.70 39.52N–.01 26.15E–.02 10–4 4.0b 478 0-128
ISK II 07 05 15 50.6 39.53N 26.15E 12–0 4.1L **¶610198720**
IDC II 07 05 15 50.3–.64 39.46N 26.27E 0 4.0,3.9b
MCSM II 07 05 15 50.8–.60 40N–4.0 26E–6.0 8–2 4.4b,3.9b
MOS II 07 05 15 51.2–.99 39.56N 26.26E 11 4.3b,3.9b
DDA II 07 05 15 51.1–.00 39.52N 26.16E 9–0 4.3W,3.9b
THE II 07 05 15 51.2 39.52N 26.15E 2–1 4.1L,3.9b
PDG II 07 05 15 51.2–1.1 39.52N 26.16E 10–1 4.4L,3.9b
ATH II 07 05 15 51.9 39.49N 26.17E 14–1 4.1L,3.9b
NEIC II 07 05 15 53.0–2.4 39.56N–.04 26.24E–.06 10–2 4.4b,3.9b
BEO II 07 05 15 54.5–1.0 39.82N 26.09E 0 3.7L,3.9b
CFUSG II 07 05 15 58.3 39.80N 26.50E 10 3.2b,3.9b
ISC Event type ke.
ISK Event type ke.
IDC Error ellipse: s-maj=10.7km s-min=9.9km az=33.0.
MOS Error ellipse: s-maj=4.8km s-min=3.1km az=97.7.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.4km az=276.0.
PDG Event type ke. Error ellipse: s-maj=0.8km s-min=1.1km az=0.0.
ATH Event type ke. Error ellipse: s-maj=2.5km s-min=0.8km az=257.0.
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=3.5km az=230.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BEO Event type ke.
CFUSG Western Turkey.
ISC II 07 05 17 08.7–.66 39.52N–.01 26.15E–.02 10–4 4.2b,3.6s 300 0-118
IDC II 07 05 17 07.0–.53 39.39N 26.18E 0 4.1,4.1b **¶610198721**
MOS II 07 05 17 07.8–1.1 39.51N 26.16E 13 4.3b,4.1b
DDA II 07 05 17 08.9–.00 39.54N 26.18E 5–0 4.2W,4.1b
ISK II 07 05 17 08.2 39.54N 26.16E 5–0 4.3L,4.1b
MED_R II 07 05 17 09.0–.50 39.44N 26.26E 10 4.5W,4.1b
NEIC II 07 05 17 09.1–2.1 39.50N–.04 26.25E–.04 10–1 4.6b,4.1b
THE II 07 05 17 09.0 39.51N 26.14E 7–1 4.4L,4.1b
ATH II 07 05 17 09.6 39.51N 26.14E 12–2 4.2L,4.1b
CFUSG II 07 05 17 13.9 39.80N 26.50E 10 3.3b,4.1b
ISC Event type ke.
IDC Error ellipse: s-maj=10.3km s-min=9.7km az=55.0.
MOS Error ellipse: s-maj=6.2km s-min=4.4km az=85.5.
ISK Event type ke.
MED_R Error ellipse: s-maj=6.7km s-min=4.4km az=-1.0. nsta1 refers to body waves. nsta2 refers to surface waves, cutoff=30s. Moment Tensor Solution. Mantle waves: s10,c14;Duration: 1s0 Moment tensor: Scale 10^{15}Nm; M_{rr}-3.58±.43 $M_{\theta\theta}$2.23±.35; $M_{\phi\phi}$1.35±.39; $M_{r\theta}$-5.65±1.21; $M_{\theta\phi}$-2.26±.30; $M_{\phi r}$0.18±1.32; Best double couple: NP1:ϕ_s100.00000°,δ75.00000° ,λ-108.00000°. NP2:ϕ_s331.00000°,δ24.00000°,λ-42.00000°. Principal axes: T 6.4900,Plg27.0000°,Azm205.0000°; N 0.6700,Plg17.0000°,Azm105.0000° ; P -7.1600,Plg57.0000°,Azm347.0000° $M_0$6.82000$\times 10^{15}$
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=5.6km az=160.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.6km az=91.0.
ATH Event type ke. Error ellipse: s-maj=2.4km s-min=0.9km az=237.0.
CFUSG Western Turkey. Magtype MSH 3.7 from 2 stations.
ISC II 07 05 19 33.7–.97 39.90N–.02 40.86E–.02 10–9 71 0-4
ISK II 07 05 19 32.5 39.91N 40.86E 5–0 3.2L **¶610476229**
TIF II 07 05 19 33.5 39.90N 40.87E 7 3.2L
DDA II 07 05 19 33.4–.00 39.90N 40.87E 7–1 3.1L
ISC Event type ke.
ISK Event type ke.
ISC II 07 06 04 39.3–.84 39.52N–.02 26.15E–.02 10–6 92 0-4
ISK II 07 06 04 38.9 39.53N 26.15E 6–0 3.1L **¶610679485**
THE II 07 06 04 39.6 39.51N 26.16E 2–0 2.8L
DDA II 07 06 04 39.1–.00 39.54N 26.16E 12–3 3.4W
ATH II 07 06 04 39.9 39.49N 26.17E 15–2 2.9L
ISC Event type ke.

ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.3km az=273.0.
ATH Event type ke. Error ellipse: s-maj=4.6km s-min=1.1km az=263.0.
ISC II 07 06 24 23.7–1.0 39.54N–.03 26.14E–.04 9–8 21 0-1
ISK II 07 06 24 23.4 39.54N 26.15E 6–3 2.5L ¶610914862
DDA II 07 06 24 24.3–.00 39.57N 26.18E 7–2 2.0L
ISC Event type ke.
ISK Event type ke.
ISC II 07 07 39 36.5–.81 40.34N–.02 27.56E–.02 14–5 94 0-4
SOF II 07 07 39 31.5 39.97N 27.57E 10 3.8 ¶610679489
DDA II 07 07 39 36.0–.00 40.31N 27.55E 16–0 3.2L
THE II 07 07 39 36.4 40.34N 27.56E 6–3 3.1L
ISK II 07 07 39 36.2 40.36N 27.56E 9–0 3.4L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=3.9km s-min=1.4km az=196.0.
ISK Event type ke.
ISC II 07 09 13 38.3–.77 39.53N–.01 26.16E–.02 11–5 3.4b 142 0-41
IDC II 07 09 13 36.4–1.1 39.42N 26.20E 0 3.6L,3.5s ¶610415031
ISK II 07 09 13 37.6 39.53N 26.16E 11–0 3.4L,3.5s
DDA II 07 09 13 38.2–.00 39.54N 26.18E 7–1 3.7W,3.5s
THE II 07 09 13 38.4 39.53N 26.17E 2–0 3.6L,3.5s
ATH II 07 09 13 39.0 39.51N 26.15E 14–1 3.4L,3.5s
ISC Event type ke.
IDC Error ellipse: s-maj=16.4km s-min=14.0km az=96.0.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=0.9km s-min=0.4km az=311.0.
ATH Event type ke. Error ellipse: s-maj=2.5km s-min=0.9km az=253.0.
ISC II 07 09 56 06.3–.85 39.53N–.02 26.10E–.03 10–6 54 0-2
ISK II 07 09 56 05.9 39.52N 26.09E 5–0 2.6L ¶610914938
DDA II 07 09 56 06.4–.00 39.55N 26.13E 8–1 2.2L
ISC Event type ke.
ISK Event type ke.
ISC II 07 10 25 19.9–.92 39.56N–.02 26.09E–.03 8–6 55 0-2
ISK II 07 10 25 19.0 39.56N 26.05E 2–0 2.6L ¶610914943
DDA II 07 10 25 19.9–.00 39.56N 26.14E 4–1 2.3L
ISC Event type ke.
ISK Event type ke.
ISC II 07 10 27 17.7–.90 39.55N–.02 26.04E–.03 11–6 65 0-3
ISK II 07 10 27 16.8 39.58N 26.05E 5–0 2.9L ¶610914944
DDA II 07 10 27 18.0–.00 39.54N 26.06E 8–3 2.7L
ISC Event type ke.
ISK Event type ke.
ISC II 07 11 51 35.9–.81 39.52N–.02 26.09E–.03 14–5 60 0-2
ISK II 07 11 51 35.6 39.49N 26.16E 11–0 2.7L ¶610679497
DDA II 07 11 51 36.1–.00 39.54N 26.11E 12–0 2.4L
ATH II 07 11 51 36.5 39.48N 26.05E 20–4 2.2L
THE II 07 11 51 36.2 39.52N 26.07E 4–2 2.2L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=6.8km s-min=1.0km az=256.0.
THE Event type ke. Error ellipse: s-maj=2.5km s-min=0.4km az=294.0.
ISC II 07 12 12 41.3–.91 39.51N–.02 26.07E–.04 12–5 34 0-2
ISK II 07 12 12 40.7 39.52N 26.04E 6–0 2.6L ¶610914965
DDA II 07 12 12 41.6–.00 39.51N 26.13E 12–0 2.2L
ISC Event type ke.
ISK Event type ke.
ISC II 07 12 24 24.5–.80 39.52N–.01 26.11E–.02 9–5 133 0-6
ISK II 07 12 24 24.0 39.53N 26.16E 5–0 3.2L ¶610679498
DDA II 07 12 24 24.8–.00 39.54N 26.19E 3–2 3.6W
ATH II 07 12 24 24.5 39.54N 26.17E 9–1 3.4L
THE II 07 12 24 24.7 39.53N 26.12E 6–1 3.4L
BEO II 07 12 24 26.4–1.2 39.53N 25.82E 0 3.3L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.0km s-min=0.9km az=268.0.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.5km az=110.0.
BEO Event type ke.
ISC II 07 13 44 02.9–.80 39.53N–.02 26.11E–.02 9–5 83 0-7
ISK II 07 13 44 02.5 39.54N 26.12E 8–0 2.9L ¶610679500
THE II 07 13 44 03.2 39.53N 26.08E 9–1 2.9L
DDA II 07 13 44 03.2–.00 39.55N 26.15E 4–1 2.9L
ATH II 07 13 44 03.1 39.54N 26.11E 8–3 2.8L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.8km az=86.0.
ATH Event type ke. Error ellipse: s-maj=6.7km s-min=1.0km az=268.0.
ISC II 07 14 22 14.0–.79 39.54N–.01 26.13E–.02 10–5 160 0-8
ISK II 07 14 22 13.4 39.54N 26.15E 7–0 3.4L ¶610679501
BEO II 07 14 22 13.9–1.0 39.55N 26.15E 0 3.2L
DDA II 07 14 22 14.1–.00 39.53N 26.18E 7–0 3.6W
THE II 07 14 22 14.1 39.53N 26.11E 8–1 3.3L
ATH II 07 14 22 14.4 39.54N 26.09E 8–1 3.3L
ISC Event type ke.
ISK Event type ke.
BEO Event type ke.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.6km az=126.0.
ATH Event type ke. Error ellipse: s-maj=3.5km s-min=0.9km az=265.0.
ISC II 07 14 28 10.7–.90 39.58N–.02 26.10E–.04 11–7 38 0-2
ISK II 07 14 28 10.3 39.58N 26.10E 7–0 2.5L ¶610914997
DDA II 07 14 28 10.8–.00 39.58N 26.12E 7–1 2.0L
ISC Event type ke.
ISK Event type ke.
ISC II 07 14 53 13.1–.82 39.51N–.02 26.16E–.03 11–5 66 0-2
ISK II 07 14 53 12.8 39.51N 26.14E 10–0 2.6L ¶610915005
ATH II 07 14 53 13.2 39.51N 26.18E 7–5 1.9L
DDA II 07 14 53 14.0–.00 39.52N 26.15E 6–0 2.4L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=6.3km s-min=1.1km az=258.0.
ISC II 07 15 25 25.5–.78 39.52N–.01 26.14E–.02 11–5 171 0-8
ISK II 07 15 25 25.2 39.53N 26.13E 10–0 3.5L ¶610679505
ATH II 07 15 25 26.3 39.53N 26.14E 12–2 3.4L
THE II 07 15 25 26.2 39.53N 26.12E 11–1 3.5L
DDA II 07 15 25 26.5–.00 39.53N 26.17E 4–0 3.8W
BEO II 07 15 25 29.0–1.1 39.67N 25.84E 0 3.3L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.4km s-min=0.9km az=258.0.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.6km az=97.0.
BEO Event type ke.
ISC II 07 16 32 58.6–.87 39.55N–.01 26.11E–.02 10–5 104 0-7
ISK II 07 16 32 57.9 39.56N 26.09E 6–0 3.1L ¶610679506
ATH II 07 16 32 58.8 39.55N 26.08E 10–1 2.8L
DDA II 07 16 32 58.5–.00 39.55N 26.14E 7–1 3.0L
THE II 07 16 32 58.5 39.55N 26.07E 6–2 2.8L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=4.2km s-min=0.8km az=270.0.
THE Event type ke. Error ellipse: s-maj=2.9km s-min=0.9km az=108.0.
ISC II 07 17 17 24.4–.78 39.51N–.01 26.13E–.02 16–4 86 0-2
ISK II 07 17 17 24.6 39.53N 26.08E 7–0 2.8L ¶612619241
THE II 07 17 17 25.2 39.53N 26.04E 5–1 2.4L
DDA II 07 17 17 25.4–.00 39.55N 26.12E 9–1 2.7L
ATH II 07 17 17 25.9 39.51N 26.03E 13–2 2.3L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.6km az=121.0.
ATH Event type ke. Error ellipse: s-maj=5.6km s-min=1.1km az=270.0.
ISC II 07 18 53 09.0–.83 39.51N–.02 26.11E–.03 13–5 64 0-2
THE II 07 18 53 08.8 39.50N 26.10E 6–2 2.2L ¶610915079
ISK II 07 18 53 08.7 39.53N 26.06E 5–0 2.5L
DDA II 07 18 53 09.1–.00 39.53N 26.16E 10–1 2.4L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=3.2km s-min=1.0km az=114.0.
ISK Event type ke.
ISC II 07 19 25 09.5–.81 39.51N–.02 26.07E–.02 13–5 77 0-2
THE II 07 19 25 09.4 39.50N 26.03E 5–2 2.3L ¶610679512
ISK II 07 19 25 09.2 39.51N 26.07E 8–0 2.5L
ATH II 07 19 25 09.7 39.51N 26.07E 10–2 2.8L
DDA II 07 19 25 10.8–.00 39.53N 26.14E 6–0 2.6L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=2.0km s-min=0.8km az=146.0.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=5.8km s-min=1.2km az=269.0.
ISC II 07 19 56 32.4–.83 39.54N–.02 26.14E–.02 9–5 69 0-2
THE II 07 19 56 32.6 39.54N 26.13E 4–3 2.3L ¶610679517
DDA II 07 19 56 32.3–.00 39.55N 26.16E 3–3 2.5L
ISK II 07 19 56 32.2 39.54N 26.15E 6–0 2.6L
ATH II 07 19 56 33.2 39.55N 26.11E 9–2 2.3L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=3.8km s-min=0.9km az=118.0.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=4.6km s-min=1.1km az=270.0.
ISK II 07 20 04 47.9 39.50N 26.23E 6–0 2.4L
DDA II 07 20 04 47.8–.00 39.52N 26.18E 7–1 1.6L ¶610915095
ISK Event type ke.
ISC II 07 20 16 46.9–.77 39.54N–.01 26.16E–.02 10–5 177 0-41
SOF II 07 20 16 41.0 39.54N 26.16E 2 3.5 ¶610415068
IDC II 07 20 16 45.5–2.2 39.67N 26.28E 0 3.5L,3.2
DDA II 07 20 16 46.8–.00 39.54N 26.18E 4–1 3.8W,3.2
ISK II 07 20 16 46.4 39.54N 26.14E 11–0 3.4L,3.2
ATH II 07 20 16 47.2 39.55N 26.16E 8–1 3.4L,3.2
THE II 07 20 16 47.3 39.54N 26.12E 7–1 3.4L,3.2
BEO II 07 20 16 50.7–1.2 39.54N 25.61E 0 3.2L,3.2
ISC Event type ke.
IDC Error ellipse: s-maj=79.8km s-min=24.9km az=159.0.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.6km s-min=0.8km az=266.0.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.6km az=98.0.
BEO Event type ke.
ISC II 07 20 59 54.2–.84 39.55N–.01 26.11E–.02 9–6 72 0-3
ISK II 07 20 59 54.5 39.56N 26.14E 9–0 2.5L ¶610198940
DDA II 07 20 59 54.6–.00 39.56N 26.15E 4–4 2.2L
THE II 07 20 59 55.9 39.54N 25.97E 13–1 2.1L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=2.8km s-min=0.9km az=258.0.
ISC II 07 21 00 54.4–.56 39.52N–.01 26.14E–.02 11–3 4.4b,3.6s 633 0-118
IDC II 07 21 00 52.5–.47 39.51N 26.14E 0 4.1,4.1b ¶610679519
ISK II 07 21 00 53.6 39.53N 26.15E 11–0 4.1L,4.1b
PDG II 07 21 00 53.6–.87 39.52N 26.16E 10–1 4.5L,4.1b
MCSM II 07 21 00 53.8–.40 40N–4.0 26E–6.0 6–2 4.5b,4.1b
NEIC II 07 21 00 54.4–1.4 39.569N–.01 26.17E–.05 6–4 4.5b,4.1b
MED_R II 07 21 00 54.0–.30 39.55N 26.00E 10 4.4W,4.1b
MOS II 07 21 00 54.1–.88 39.55N 26.18E 17 4.4b,4.1b
SOF II 07 21 00 54.6 39.72N 26.04E 2 4.1,4.1b
THE II 07 21 00 54.8 39.52N 26.16E 11–0 4.2L,4.1b
DDA II 07 21 00 54.9–.00 39.53N 26.16E 7–0 4.4W,4.1b
ATH II 07 21 00 55.3 39.51N 26.14E 14 4.1W,4.1b
BEO II 07 21 00 57.2–.90 39.73N 25.99E 0 4.1L,4.1b
CFUSG II 07 21 01 00.8 39.90N 26.60E 10 3.3b,4.1b
ISC Event type ke.
IDC Error ellipse: s-maj=9.3km s-min=8.5km az=103.0.
ISK Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=0.9km az=0.0.
NEIC Event type se. Error ellipse: s-maj=5.6km s-min=0.7km az=92.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MED_R Error ellipse: s-maj=5.6km s-min=2.2km az=-1.0. nsta1 refers to body waves. nsta2 refers to surface waves, cutoff=35s. Moment Tensor Solution. Mantle waves: s11,c16;Duration: 1s0 Moment tensor: Scale 10^{15}Nm; M_{rr}-3.48±.21 $M_{\theta\theta}$2.76±.17; $M_{\phi\phi}$0.71±.20; $M_{r\theta}$-1.40±.69; $M_{\theta\phi}$-1.18±.20; $M_{\phi r}$3.24±.84; Best double couple: NP1:ϕ_s141.00000°,δ69.00000°,λ-72.00000°. NP2:ϕ_s279.00000°,δ28.00000°,λ-128.00000°. Principal axes: T 4.3500,Plg21.0000° ,Azm217.0000°; N 0.9400,Plg17.0000°,Azm314.0000°; P -5.3000,Plg62.0000°,Azm79.0000° $M_0$4.83000×10^{15}
MOS Error ellipse: s-maj=4.5km s-min=3.1km az=93.1.
THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.5km az=99.0.
ATH Moment Tensor Solution. s9 Moment tensor: M_{rr}-1.45 $M_{\theta\theta}$1.08 $M_{\phi\phi}$0.37 $M_{r\theta}$-0.74 $M_{\theta\phi}$-0.93 $M_{\phi r}$-0.45 NP1:ϕ_s100.00000°,δ57.00000°,λ-121.00000°. NP2:ϕ_s328.00000°,δ44.00000° ,λ-52.00000°.
BEO Event type ke.
CFUSG Western Turkey. Magtype MSH 3.9 from 3 stations.
ISC II 07 21 06 33.0–.83 39.52N–.02 26.07E–.03 12–5 73 0-2
ISK II 07 21 06 32.9 39.52N 26.08E 6–0 2.7L ¶610679521
DDA II 07 21 06 33.7–.00 39.54N 26.13E 10–0 2.6L
THE II 07 21 06 33.8 39.53N 26.08E 13–1 2.3L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=3.0km s-min=1.2km az=79.0.
ISC II 07 21 34 59.8–.70 39.54N–.01 26.16E–.02 9–4 4.0b 389 0-75
IDC II 07 21 34 58.6–.60 39.51N 26.16E 0 3.9,3.9b ¶610198941
SOF II 07 21 34 58.2 39.52N 26.18E 6 3.9,3.9b
ISK II 07 21 34 59.1 39.54N 26.14E 9–0 4.2L,3.9b
MCSM II 07 21 34 59.9–.40 40N–2.0 26E–4.0 9–3 4.3b,3.9b
MED_R II 07 21 35 00.0–.60 39.52N 26.18E 19–1 4.3W,3.9b
NEIC II 07 21 35 00.9–1.3 39.53N–.04 26.15E–.05 16–6 4.3b,3.9b
DDA II 07 21 35 00.3–.00 39.52N 26.16E 7–0 4.1W,3.9b
ATH II 07 21 35 00.9 39.51N 26.12E 14 4.0W,3.9b
THE II 07 21 35 00.0 39.53N 26.13E 8–1 3.9L,3.9b
BEO II 07 21 35 03.1–.90 39.74N 25.95E 0 3.8L,3.9b
CFUSG II 07 21 35 05.4 39.90N 26.60E 10 3.0b,3.9b
ISC Event type ke.
IDC Error ellipse: s-maj=12.1km s-min=9.7km az=98.0.
ISK Event type ke.
MED_R nsta1 refers to body waves. nsta2 refers to surface waves, cutoff=35s. Moment Tensor Solution. Mantle waves: s6,c9;Duration: 1s0 Moment tensor: Scale 10^{15}Nm; M_{rr}-3.54±.73 $M_{\theta\theta}$2.76±.39; $M_{\phi\phi}$0.79±.48; $M_{r\theta}$-0.68±.35; $M_{\theta\phi}$-0.57±.24; $M_{\phi r}$-0.36±.58; Best double couple: NP1:ϕ_s98.00000°,δ50.00000°,λ-99.00000°. NP2:ϕ_s291.00000°,δ40.00000°,λ-80.00000°. Principal axes: T 2.9600,Plg5.0000°,Azm194.0000°; N 0.6900,Plg7.0000°,Azm103.0000° ; P -3.6500,Plg82.0000°,Azm320.0000° $M_0$3.31000×10^{15}
NEIC Event type se. Error ellipse: s-maj=7.2km s-min=4.7km az=223.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ATH Moment Tensor Solution. s9 Moment tensor: M_{rr}-5.41 $M_{\theta\theta}$5.76 $M_{\phi\phi}$-0.36 $M_{r\theta}$-8.24 $M_{\theta\phi}$-3.10 $M_{\phi r}$-5.02 NP1:ϕ_s74.00000°,δ76.00000°,λ-115.00000°. NP2:ϕ_s316.00000°,δ28.00000° ,λ-30.00000°.
THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.5km az=105.0.
BEO Event type ke.
CFUSG Western Turkey. Magtype MSH 3.6 from 3 stations.
ISC II 07 21 42 52.9–.87 39.54N–.02 26.17E–.04 7–7 38 0-2
ISK II 07 21 42 52.3 39.55N 26.14E 6–0 2.5L ¶610915126
DDA II 07 21 42 53.4–.00 39.54N 26.18E 2–1 1.9L
ISC Event type ke.
ISK Event type ke.
ISC II 07 22 05 48.8–.80 39.51N–.02 26.10E–.02 13–5 88 0-3
ISK II 07 22 05 48.7 39.53N 26.10E 6–0 2.9L ¶610679523
ATH II 07 22 05 49.4 39.51N 26.10E 14–1 2.5L
DDA II 07 22 05 49.3–.00 39.53N 26.18E 8–1 2.7L
THE II 07 22 05 49.2 39.51N 26.07E 11–1 2.4L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.5km s-min=0.9km az=266.0.

THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.9km az=95.0.
DDA II 07 22 07 13.1–.00 37.34N 42.55E 6–1 1.4L
¶612619247
ISC II 07 22 15 11.1–.97 39.56N–.03 26.12E–.04 7–8 29 0-2
ISK II 07 22 15 09.9 39.58N 26.08E 5–0 2.5L **¶610915140**
DDA II 07 22 15 11.8–.00 39.55N 26.17E 1–2 1.8L
ISC Event type ke.
ISK Event type ke.
ISC II 07 22 24 28.7–.88 39.54N–.03 26.17E–.03 8–7 40 0-2
DDA II 07 22 24 28.4–.00 39.55N 26.16E 6–2 2.4L **¶610915146**
ISK II 07 22 24 28.4 39.54N 26.15E 6–0 2.6L
ISC Event type ke.
ISK Event type ke.
ISC II 07 22 53 29.8–.68 39.51N–.01 26.08E–.02 15–4 3.7b 336 0-74
IDC II 07 22 53 28.1–.93 39.43N 26.31E 0 3.6,3.6b **¶610198943**
ISK II 07 22 53 28.9 39.52N 26.07E 16–0 4.3L,3.6b
ATH II 07 22 53 29.9 39.50N 26.08E 14–1 3.8L,3.6b
MCSM II 07 22 53 29.3–.40 40N–2.0 26E–4.0 12–3 4.2b,3.6b
THE II 07 22 53 29.7 39.51N 26.06E 8–0 3.8L,3.6b
DDA II 07 22 53 30.4–.00 39.52N 26.08E 11–0 4.1W,3.6b
NEIC II 07 22 53 30.3–2.1 39.53N–.05 26.15E–.05 13–5 4.3b,3.6b
SOF II 07 22 53 30.9 39.83N 26.08E 5 3.9,3.6b
CFUSG II 07 22 53 31.7 39.80N 26.40E 10 3.1b,3.6b
BEO II 07 22 53 32.9–.90 39.83N 26.01E 0 3.8L,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=16.4km s-min=13.8km az=60.0.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.9km s-min=0.7km az=257.0.
THE Event type ke. Error ellipse: s-maj=0.8km s-min=0.4km az=93.0.
NEIC Event type se. Error ellipse: s-maj=7.3km s-min=5.4km az=215.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
CFUSG Western Turkey. Magtype MSH 3.5 from 2 stations.
BEO Event type ke.
ISC II 07 22 57 24.0–.84 39.50N–.02 26.08E–.03 15–5 72 0-2
THE II 07 22 57 24.5 39.51N 26.05E 12–1 2.4L **¶610679527**
DDA II 07 22 57 24.6–.00 39.53N 26.11E 11–1 2.6L
ISK II 07 22 57 24.1 39.54N 26.05E 4–0 2.6L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.8km az=276.0.
ISK Event type ke.
ISC II 07 23 34 57.1–.79 39.52N–.02 26.10E–.02 17–5 74 0-3
THE II 07 23 34 57.6 39.52N 26.03E 7–1 2.4L **¶610679528**
ATH II 07 23 34 58.0 39.51N 26.03E 15–2 2.4L
ISK II 07 23 34 57.1 39.52N 26.06E 7–0 2.6L
DDA II 07 23 34 58.0–.00 39.54N 26.13E 10–1 2.5L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=2.0km s-min=0.8km az=269.0.
ATH Event type ke. Error ellipse: s-maj=3.6km s-min=0.9km az=267.0.
ISK Event type ke.
ISC II 07 23 35 55.7–.94 39.54N–.03 26.12E–.04 10–6 35 0-2
ISK II 07 23 35 55.4 39.54N 26.07E 7–0 2.5L **¶610915163**
DDA II 07 23 35 55.8–.00 39.55N 26.15E 7–1 2.1L
ISC Event type ke.
ISK Event type ke.
ISC II 08 00 22 42.7–.91 39.52N–.02 26.06E–.03 14–6 36 0-2
ISK II 08 00 22 42.5 39.52N 26.05E 9–0 2.1L **¶610915173**
ATH II 08 00 22 42.9 39.52N 26.07E 10–5 1.8L
DDA II 08 00 22 43.6–.00 39.56N 26.13E 7–1 1.6L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=8.0km s-min=1.1km az=259.0.
ISC II 08 01 17 34.1–.92 39.53N–.02 26.17E–.02 8–6 69 0-2
ISK II 08 01 17 33.7 39.54N 26.16E 6–0 2.5L **¶610679531**
ATH II 08 01 17 35.0 39.53N 26.13E 12–2 1.7L
DDA II 08 01 17 34.0–.00 39.53N 26.19E 5–2 2.1L
THE II 08 01 17 34.4 39.53N 26.14E 4–2 2.0L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=5.5km s-min=1.0km az=268.0.
THE Event type ke. Error ellipse: s-maj=2.6km s-min=0.7km az=246.0.
ISC II 08 01 22 32.7–.82 39.54N–.02 26.14E–.02 12–5 64 0-2
ISK II 08 01 22 32.9 39.54N 26.16E 6–0 2.5L **¶610679532**
ATH II 08 01 22 33.6 39.55N 26.13E 9–3 1.9L
DDA II 08 01 22 33.2–.00 39.56N 26.16E 3–2 2.0L
THE II 08 01 22 33.5 39.55N 26.11E 3–1 2.1L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=6.1km s-min=1.1km az=272.0.
THE Event type ke. Error ellipse: s-maj=2.1km s-min=0.6km az=276.0.
ISC II 08 01 33 11.5–.80 39.53N–.01 26.16E–.02 9–5 127 0-7
SOF II 08 01 33 10.0 39.53N 26.16E 5 3.3 **¶610679533**
DDA II 08 01 33 11.6–.00 39.54N 26.19E 5–1 3.6W
THE II 08 01 33 11.9 39.53N 26.17E 9–0 3.4L
ISK II 08 01 33 11.1 39.54N 26.15E 11–0 3.0L
ATH II 08 01 33 12.2 39.52N 26.15E 10–2 3.2L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.5km az=279.0.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=4.1km s-min=1.0km az=262.0.
ISC II 08 01 33 41.0–.89 39.55N–.02 26.13E–.03 7–7 38 0-2
DDA II 08 01 33 40.9–.00 39.55N 26.15E 3–2 3.0L **¶610915180**
ISK II 08 01 33 40.7 39.54N 26.12E 6–0 2.7L
ISC Event type ke.
ISK Event type ke.
ISC II 08 01 34 26.7–.85 39.53N–.02 26.17E–.03 9–6 43 0-1
ISK II 08 01 34 26.4 39.54N 26.16E 6–0 2.7L **¶610915183**
DDA II 08 01 34 26.7–.00 39.56N 26.17E 4–3 2.9L
ISC Event type ke.
ISK Event type ke.
ISC II 08 01 38 04.0–.53 39.53N–.01 26.18E–.02 12–3 4.7b,4.1s 1060 0-118
SOF II 08 01 38 02.4 39.63N 26.16E 2 4.4,4.1s **¶610198953**
IDC II 08 01 38 02.3–.44 39.53N 26.14E 0 4.3b,4.2
MCSM II 08 01 38 03.7–.30 40N–2.0 26E–4.0 11–2 4.8b,4.2
ISK II 08 01 38 03.2 39.53N 26.14E 10–0 4.6L,4.2
DDA II 08 01 38 03.6–.00 39.51N 26.14E 10–0 4.5W,4.2
MOS II 08 01 38 03.1–.91 39.54N 26.25E 15 4.8b,4.2
NEIC II 08 01 38 03.8–1.5 39.54N–.04 26.17E–.04 10–1 4.8b,4.5
NEIC II 08 01 38 03.3 39.54N 26.18E 7 4.8b,4.5
MED_R II 08 01 38 03.0–.20 39.52N 26.21E 10 4.7W,4.5
THE II 08 01 38 04.0 39.52N 26.16E 7–0 4.6L,4.5
ATH II 08 01 38 04.9 39.52N 26.12E 12 4.5W,4.5
BEO II 08 01 38 05.5–.90 39.74N 26.20E 0 4.6L,4.5
CFUSG II 08 01 38 08.3 39.80N 26.40E 5 3.5b,4.5
PRU II 08 01 38 16.5–.00 40.41N 25.77E 0 4.4,4.5
ISC Event type ke. Moment Tensor Solution. NP1:ϕ_s114.74760°,δ74.22791°,λ-100.22655°. NP2: ϕ_s328.32065°,δ18.72647°,λ-57.84717°. Principal axes: T Plg28.5206°,Azm212.9621° ; N Plg9.8376°,Azm117.5549°; P Plg59.5276°,Azm10.4148°
IDC Error ellipse: s-maj=8.9km s-min=8.2km az=113.0.
ISK Event type ke.
MOS Error ellipse: s-maj=3.7km s-min=2.3km az=99.2.
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=5.5km az=202.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-5.41 $M_{\theta\theta}$4.58 $M_{\phi\phi}$0.83 $M_{r\theta}$-3.27 $M_{\theta\phi}$-3.17 $M_{\phi r}$0.95 NP1:ϕ_s111.97000°,δ60.16000°,λ-98.59000°. NP2:ϕ_s308.85000° ,δ30.94000°,λ-75.41000°. Principal axes: T 7.2582,Plg15.0000°,Azm208.0000° ; N -0.8706,Plg7.0000°,Azm116.0000°; P -6.3876,Plg73.0000°,Azm0.0000° $M_0$6.86000×10^{15}
NEIC Event type se.
MED_R Error ellipse: s-maj=4.4km s-min=2.2km az=-1.0. nsta1 refers to body waves. nsta2 refers to surface waves, cutoff=35s. Moment Tensor Solution. Mantle waves: s13,c25;Duration: 1s0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.08±.05 $M_{\theta\theta}$0.89±.04; $M_{\phi\phi}$0.19±.05; $M_{r\theta}$-0.45±.16; $M_{\theta\phi}$-0.48±.04; $M_{\phi r}$0.16±.18; Best double couple: NP1:ϕ_s114.00000°,δ57.00000°,λ-94.00000°. NP2:ϕ_s300.00000°,δ34.00000°,λ-84.00000°. Principal axes: T 1.2400,Plg12.0000° ,Azm206.0000°; N -0.0500,Plg3.0000°,Azm116.0000°; P -1.1800,Plg78.0000°,Azm11.0000° $M_0$1.21000×10^{16}
THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.4km az=264.0.
ATH Moment Tensor Solution. s12 Moment tensor: M_{rr}-3.51 $M_{\theta\theta}$3.25 $M_{\phi\phi}$0.26 $M_{r\theta}$-5.92 $M_{\theta\phi}$-1.94 $M_{\phi r}$-1.40 NP1:ϕ_s85.00000°,δ76.00000°,λ-109.00000°. NP2:ϕ_s319.00000°,δ23.00000° ,λ-38.00000°.
BEO Event type ke.
CFUSG Western Turkey. Magtype MSH 3.8 from 2 stations.
ISK II 08 01 45 41.4 39.52N 26.16E 17–0 2.1L
¶610915186
ISK Event type ke.
DDA II 08 01 46 36.6–.00 39.53N 26.15E 7–2 1.8L
¶616228548
ISC II 08 01 58 57.1–.94 39.55N–.02 26.17E–.02 6–7 69 0-2
DDA II 08 01 58 56.6–.00 39.56N 26.17E 4–2 2.8L **¶610679534**
ISK II 08 01 58 56.6 39.55N 26.15E 5–0 2.9L
THE II 08 01 58 57.3 39.55N 26.15E 1–2 2.8L
ATH II 08 01 58 57.8 39.54N 26.13E 11–2 2.6L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=2.1km s-min=0.5km az=290.0.
ATH Event type ke. Error ellipse: s-maj=4.3km s-min=1.0km az=268.0.
ISC II 08 02 16 14.0–.68 39.53N–.01 26.16E–.02 12–4 4.1b 373 0-97
SOF II 08 02 16 13.0 39.64N 26.15E 2 4.0 **¶610198955**
ISK II 08 02 16 13.6 39.54N 26.14E 11–0 4.1L
IDC II 08 02 16 13.2–.73 39.58N 25.86E 0 3.7,3.7b
BEO II 08 02 16 14.3–1.0 39.65N 26.31E 0 3.9L,3.7b
THE II 08 02 16 14.5 39.53N 26.16E 8–0 3.9L,3.7b
NEIC II 08 02 16 14.1 39.54N 26.15E 10 3.9L,3.7b
NEIC II 08 02 16 14.1–1.8 39.54N–.04 26.15E–.06 10–1 4.4b,3.9
DDA II 08 02 16 14.8–.00 39.53N 26.17E 6–0 4.1W,3.9
MCSM II 08 02 16 14.3–1.2 40N–10 26E–8.0 8–2 4.3b,3.9
ATH II 08 02 16 15.1 39.52N 26.15E 13 3.9W,3.9
CFUSG II 08 02 16 19.0 39.80N 26.30E 10 3.3b,3.9
ISC Event type ke.
ISK Event type ke.
IDC Error ellipse: s-maj=15.7km s-min=10.5km az=97.0.
BEO Event type ke.
THE Event type ke. Error ellipse: s-maj=0.8km s-min=0.4km az=274.0.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=8.6km s-min=6.6km az=123.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}-6.60 $M_{\theta\theta}$5.37 $M_{\phi\phi}$1.23 $M_{r\theta}$-0.95 $M_{\theta\phi}$-4.52 $M_{\phi r}$-2.69 NP1:ϕ_s324.81000°,δ52.26000°,λ-58.98000°. NP2:ϕ_s100.31000° ,δ47.33000°,λ-123.66000°. Principal axes: T 8.2997,Plg3.0000°,Azm33.0000° ; N -0.4308,Plg24.0000°,Azm125.0000°; P -7.8689,Plg66.0000°,Azm297.0000° $M_0$8.09000×10^{14}
ATH Moment Tensor Solution. s9 Moment tensor: M_{rr}-3.35 $M_{\theta\theta}$4.14 $M_{\phi\phi}$-0.79 $M_{r\theta}$-5.76 $M_{\theta\phi}$-2.59 $M_{\phi r}$-3.51 NP1:ϕ_s74.00000°,δ77.00000°,λ-118.00000°. NP2:ϕ_s321.00000°,δ31.00000° ,λ-26.00000°.
CFUSG Western Turkey. Magtype MSH 3.6 from 2 stations.
ISC II 08 02 21 36.4–.82 39.55N–.01 26.10E–.02 10–5 89 0-2
THE II 08 02 21 36.7 39.55N 26.06E 2–1 2.6L **¶610679537**
ATH II 08 02 21 36.9 39.55N 26.11E 9–2 2.5L
DDA II 08 02 21 36.5–.00 39.56N 26.14E 7–1 2.7L
ISK II 08 02 21 36.2 39.56N 26.11E 5–0 2.8L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.6km az=275.0.
ATH Event type ke. Error ellipse: s-maj=4.1km s-min=0.9km az=266.0.
ISK Event type ke.
ISC II 08 02 48 18.2–.88 39.52N–.02 26.12E–.03 13–5 51 0-2
ISK II 08 02 48 18.4 39.54N 26.11E 6–0 2.5L **¶610915203**
DDA II 08 02 48 18.7–.00 39.55N 26.17E 4–2 2.3L
ISC Event type ke.
ISK Event type ke.
ISC II 08 02 50 11.0–.82 39.53N–.02 26.15E–.02 11–5 83 0-2
ISK II 08 02 50 10.8 39.54N 26.15E 4–0 2.8L **¶610679540**
ATH II 08 02 50 11.7 39.53N 26.14E 11–5 2.4L
DDA II 08 02 50 11.6–.00 39.53N 26.17E 6–0 2.8L
THE II 08 02 50 11.3 39.53N 26.18E 6–1 2.5L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=8.0km s-min=1.3km az=254.0.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.7km az=252.0.
ISC II 08 04 16 24.3–.78 39.53N–.01 26.15E–.02 11–5 141 0-7
SOF II 08 04 16 22.9 39.52N 26.18E 7 3.4 **¶610679543**
DDA II 08 04 16 24.3–.00 39.54N 26.18E 8–1 3.6W
ISK II 08 04 16 24.2 39.54N 26.17E 5–0 3.2L
THE II 08 04 16 24.7 39.52N 26.18E 7–0 3.4L
ATH II 08 04 16 25.4 39.52N 26.12E 13–2 3.3L
BEO II 08 04 16 27.9–1.2 39.72N 25.90E 0 3.0L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.4km az=266.0.
ATH Event type ke. Error ellipse: s-maj=4.5km s-min=1.0km az=263.0.
BEO Event type ke.
ISC II 08 04 30 42.0–1.1 38.69N–.02 38.09E–.02 1–8 3.7b 78 0-83
ISK II 08 04 30 40.9 38.72N 38.05E 5–0 3.9L **¶611831762**
DDA II 08 04 30 41.1–.00 38.69N 38.08E 12–2 3.9W
IDC II 08 04 30 41.4–1.0 38.67N 38.13E 0 3.7b,3.6
ISC Event type ke.
ISK Event type ke.
IDC Error ellipse: s-maj=17.5km s-min=13.0km az=150.0.
ISC II 08 06 33 59.7–.81 39.54N–.02 26.09E–.02 12–5 69 0-2
ISK II 08 06 33 59.6 39.53N 26.07E 5–0 2.5L **¶610679548**
THE II 08 06 33 59.8 39.52N 26.09E 11–1 2.1L
DDA II 08 06 34 00.4–.00 39.56N 26.14E 6–1 2.3L
ATH II 08 06 34 00.0 39.54N 26.06E 6–3 2.1L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.6km az=104.0.
ATH Event type ke. Error ellipse: s-maj=5.8km s-min=0.8km az=267.0.
ISC II 08 08 02 53.2–1.1 38.73N–.03 38.11E–.03 10–11 33 0-2
DDA II 08 08 02 52.4–.00 38.75N 38.07E 7–1 2.8L **¶610915270**
ISK II 08 08 02 52.5 38.74N 38.01E 5–0 3.0L
ISC Event type ke.
ISK Event type ke.
DDA II 08 11 15 04.1–.00 39.55N 26.13E 7–1 1.4L
¶612619304
ISK II 08 11 26 30.5 39.54N 26.05E 6–0 2.3L
DDA II 08 11 26 31.7–.00 39.55N 26.14E 3–1 2.1L **¶610915298**
ISK Event type ke.
ISC II 08 12 44 55.1–.96 39.57N–.03 26.14E–.04 13–7 27 0-2
ISK II 08 12 44 54.4 39.55N 26.11E 8–0 2.7L **¶610915304**
DDA II 08 12 44 56.4–.00 39.58N 26.26E 7–3 2.1L
ISC Event type ke.
ISK Event type ke.
ISC II 08 13 15 13.7–.84 39.53N–.02 26.12E–.03 11–6 57 0-2
ISK II 08 13 15 13.2 39.54N 26.12E 10–0 2.6L **¶610679553**
THE II 08 13 15 13.9 39.53N 26.13E 4–1 2.4L
ATH II 08 13 15 14.1 39.52N 26.10E 11–2 2.4L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.4km az=210.0.
ATH Event type ke. Error ellipse: s-maj=2.6km s-min=0.9km az=88.0.
ISC II 08 15 31 50.6–.81 39.52N–.01 26.11E–.02 10–5 136 0-6
BEO II 08 15 31 47.8–1.4 39.12N 25.83E 0 3.1L **¶610679559**
SOF II 08 15 31 48.8 39.52N 26.13E 8 3.3

ATH II 08 15 31 51.0 39.52N 26.13E 12–1 3.2L
THE II 08 15 31 50.8 39.52N 26.13E 7–0 3.3L
ISK II 08 15 31 50.0 39.54N 26.11E 7–0 3.2L
DDA II 08 15 31 50.9–.00 39.55N 26.20E 22–1 3.5W
ISC Event type ke.
BEO Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.2km s-min=0.8km az=126.0.
THE Event type ke. Error ellipse: s-maj=0.8km s-min=0.3km az=183.0.
ISK Event type ke.
ISC II 08 16 33 43.9–.87 37.51N–.04 38.76E–.03 16–6 26 0-2
DDA II 08 16 33 42.8–.00 37.55N 38.75E 7–2 2.3L **¶610915340**
ISK II 08 16 33 43.8 37.42N 38.80E 17–0 2.5L
ISC Event type ke.
ISK Event type ke.
DDA II 08 18 10 45.9–.00 38.74N 38.19E 6–7 2.0L
¶616228549
ISK II 08 18 11 13.7 37.73N 37.31E 6–0 2.1L
¶610915356
ISK Event type ke.
ISC II 08 18 19 36.5–.89 39.54N–.02 26.08E–.02 13–7 78 0-2
DDA II 08 18 19 36.3–.00 39.54N 26.13E 7–2 2.7L **¶610679564**
ATH II 08 18 19 36.7 39.54N 26.07E 10–1 2.7L
ISK II 08 18 19 36.0 39.56N 26.09E 9–0 2.7L
THE II 08 18 19 36.6 39.54N 26.08E 8–0 2.7L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.2km s-min=0.8km az=261.0.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.4km az=108.0.
ISC II 08 19 03 02.4–.88 39.55N–.02 26.09E–.02 10–6 82 0-2
ISK II 08 19 03 01.8 39.57N 26.06E 10–0 2.7L **¶610679565**
THE II 08 19 03 02.5 39.55N 26.08E 4–1 2.5L
ATH II 08 19 03 02.8 39.55N 26.07E 9–1 2.4L
DDA II 08 19 03 02.3–.00 39.55N 26.14E 4–1 2.5L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.4km az=112.0.
ATH Event type ke. Error ellipse: s-maj=2.2km s-min=0.8km az=256.0.
ISC II 09 00 37 53.9–.84 39.55N–.01 26.08E–.02 10–6 159 0-10
ISK II 09 00 37 52.9 39.56N 26.08E 11–0 3.4L **¶610205754**
DDA II 09 00 37 53.6–.00 39.54N 26.13E 10–2 3.6W
THE II 09 00 37 53.8 39.56N 26.07E 5–1 3.2L
ATH II 09 00 37 54.1 39.54N 26.04E 9–2 3.2L
BEO II 09 00 37 56.8–1.5 39.61N 25.75E 0 3.3L
SOF II 09 00 37 57.9 39.90N 25.88E 10 3.4
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.6km az=114.0.
ATH Event type ke. Error ellipse: s-maj=2.8km s-min=0.8km az=112.0.
BEO Event type ke.
ISC II 09 00 42 58.2–.85 39.54N–.02 26.05E–.02 11–6 125 0-8
ISK II 09 00 42 57.7 39.55N 26.06E 7–0 3.0L **¶610679574**
DDA II 09 00 42 58.2–.00 39.54N 26.08E 7–3 3.0L
ATH II 09 00 42 58.7 39.53N 26.05E 10–1 2.9L
THE II 09 00 42 58.3 39.54N 26.04E 7–1 2.9L
SOF II 09 00 42 59.4 39.79N 25.93E 2 3.1
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.4km s-min=0.9km az=101.0.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.5km az=118.0.
ISC II 09 00 45 22.2–.85 39.56N–.02 26.06E–.02 12–6 75 0-2
ISK II 09 00 45 21.7 39.57N 26.06E 10–0 2.9L **¶610679575**
DDA II 09 00 45 22.2–.00 39.55N 26.11E 11–1 3.0L
ATH II 09 00 45 22.3 39.57N 26.09E 9–3 2.8L
THE II 09 00 45 22.3 39.56N 26.06E 7–1 2.7L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.7km s-min=1.0km az=148.0.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.5km az=116.0.
ISC II 09 01 22 28.0–.91 39.55N–.02 26.02E–.03 11–7 59 0-2
ISK II 09 01 22 27.5 39.55N 26.01E 7–0 2.5L **¶610679576**
DDA II 09 01 22 28.2–.00 39.56N 26.07E 7–1 2.4L
ATH II 09 01 22 28.2 39.54N 26.01E 7–3 2.2L
THE II 09 01 22 28.1 39.53N 26.03E 10–2 2.3L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.4km s-min=0.9km az=237.0.
THE Event type ke. Error ellipse: s-maj=2.3km s-min=0.7km az=132.0.
ISC II 09 02 39 36.0–.81 39.54N–.02 26.15E–.02 12–5 126 0-7
ISK II 09 02 39 35.8 39.56N 26.08E 6–0 3.1L **¶610679577**
DDA II 09 02 39 36.7–.00 39.55N 26.15E 4–1 3.3W
THE II 09 02 39 36.5 39.56N 26.07E 5–1 3.1L
ATH II 09 02 39 37.0 39.53N 26.08E 13–2 3.1L
SOF II 09 02 39 38.2 39.71N 26.06E 16 3.2
BEO II 09 02 39 39.2–1.5 39.62N 25.84E 0 3.0L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.4km az=113.0.
ATH Event type ke. Error ellipse: s-maj=2.9km s-min=0.9km az=132.0.
BEO Event type ke.
ISC II 09 02 49 59.8–1.2 38.93N–.02 43.48E–.03 6–10 36 0-2
DDA II 09 02 49 59.7–.00 38.95N 43.52E 12–1 2.3L **¶610915441**
ISK II 09 02 50 00.0 38.91N 43.45E 6–0 2.5L
ISC Event type ke.
ISK Event type ke.
ISC II 09 02 52 45.7–.86 39.53N–.02 26.16E–.03 10–6 61 0-3
THE II 09 02 52 45.9 39.54N 26.14E 3–1 2.1L **¶610679579**
DDA II 09 02 52 45.3–.00 39.52N 26.20E 7–1 2.0L
ISK II 09 02 52 45.3 39.54N 26.16E 6–0 2.5L
ATH II 09 02 52 46.1 39.52N 26.16E 11–2 2.2L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=2.0km s-min=0.4km az=117.0.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.9km s-min=0.9km az=140.0.
ISC II 09 03 02 24.9–.88 39.56N–.02 26.11E–.03 11–7 65 0-2
ISK II 09 03 02 24.2 39.58N 26.07E 6–0 2.5L **¶610679580**
DDA II 09 03 02 24.9–.00 39.56N 26.16E 7–1 2.4L
THE II 09 03 02 24.9 39.57N 26.09E 3–1 2.1L
ATH II 09 03 02 25.2 39.56N 26.10E 8–2 2.6L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.5km az=145.0.
ATH Event type ke. Error ellipse: s-maj=3.0km s-min=0.9km az=239.0.
ISC II 09 03 17 38.1–.87 39.54N–.02 26.10E–.02 9–6 70 0-3
DDA II 09 03 17 37.9–.00 39.55N 26.15E 3–1 2.4L **¶610679581**
ISK II 09 03 17 37.6 39.55N 26.08E 7–0 2.6L
ATH II 09 03 17 38.5 39.54N 26.06E 7–2 2.3L
THE II 09 03 17 38.2 39.55N 26.07E 4–1 2.3L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.9km s-min=0.9km az=195.0.
THE Event type ke. Error ellipse: s-maj=2.0km s-min=0.5km az=127.0.
ISC II 09 03 52 22.2–.84 39.52N–.02 26.08E–.02 12–6 67 0-2
ISK II 09 03 52 21.6 39.54N 26.06E 6–0 2.9L **¶610679582**
DDA II 09 03 52 22.6–.00 39.54N 26.13E 8–1 2.6L
THE II 09 03 52 22.4 39.52N 26.08E 4–1 2.5L
ATH II 09 03 52 22.5 39.52N 26.07E 8–2 2.5L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.4km az=130.0.
ATH Event type ke. Error ellipse: s-maj=3.1km s-min=1.0km az=196.0.
ISC II 09 06 35 04.8–.94 39.57N–.02 26.08E–.03 8–7 41 0-2
ISK II 09 06 35 04.1 39.59N 26.03E 5–0 2.6L **¶610915469**
DDA II 09 06 35 05.3–.00 39.55N 26.15E 3–2 2.0L
ISC Event type ke.
ISK Event type ke.
ISC II 09 06 43 30.9–.98 39.52N–.03 26.06E–.04 11–6 25 0-2
ISK II 09 06 43 30.4 39.52N 26.04E 8–0 2.5L **¶610915471**
DDA II 09 06 43 32.0–.00 39.51N 26.16E 7–0 1.8L
ISC Event type ke.
ISK Event type ke.
ISC II 09 06 55 50.1–.81 39.49N–.02 26.08E–.02 12–5 89 0-3
ISK II 09 06 55 49.9 39.55N 26.10E 4–0 3.1L **¶610679585**
DDA II 09 06 55 50.4–.00 39.52N 26.18E 8–0 3.0L
ATH II 09 06 55 50.9 39.51N 26.12E 12–3 2.8L
THE II 09 06 55 50.7 39.52N 26.14E 6–1 2.8L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.3km s-min=0.9km az=198.0.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.5km az=186.0.
ISC II 09 07 52 08.4–.82 39.55N–.01 26.07E–.02 10–5 129 0-7
ISK II 09 07 52 07.9 39.56N 26.06E 6–0 3.3L **¶610679587**
DDA II 09 07 52 08.5–.00 39.54N 26.11E 10–0 3.5W
THE II 09 07 52 08.6 39.56N 26.06E 6–1 3.3L
ATH II 09 07 52 09.1 39.53N 26.08E 13–3 3.2L
SOF II 09 07 52 09.2 39.78N 26.00E 2 3.2
BEO II 09 07 52 13.9–1.4 39.73N 25.53E 0 3.1L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=2.1km s-min=0.6km az=115.0.
ATH Event type ke. Error ellipse: s-maj=3.4km s-min=0.9km az=139.0.
BEO Event type ke.
ISC II 09 07 55 09.6–.91 39.56N–.02 26.08E–.03 8–6 58 0-2
ISK II 09 07 55 09.1 39.56N 26.06E 5–0 2.9L **¶610915479**
DDA II 09 07 55 09.7–.00 39.55N 26.12E 8–0 2.6L
ISC Event type ke.
ISK Event type ke.
ISK II 09 08 12 35.8 39.56N 26.07E 3–0 2.0L
¶616051092
ISK Event type ke.
ISC II 09 08 55 07.2–.97 39.55N–.02 26.13E–.02 7–8 70 0-2
ISK II 09 08 55 06.2 39.56N 26.10E 2–0 3.2L **¶610679588**
ATH II 09 08 55 07.6 39.52N 26.15E 11–3 2.8L
THE II 09 08 55 07.2 39.54N 26.12E 3–2 2.9L
DDA II 09 08 55 08.5–.00 39.57N 26.25E 7–2 2.9L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.8km s-min=1.0km az=189.0.
THE Event type ke. Error ellipse: s-maj=2.8km s-min=0.5km az=127.0.
DDA II 09 08 57 46.7–.00 40.25N 27.57E 8–1 1.3L
¶616228550
ISK II 09 08 57 56.0 39.55N 26.10E 12–0 2.4L
¶610915499
ISK Event type ke.
ISC II 09 10 13 11.2–.78 39.55N–.01 26.08E–.02 9–5 3.9b 290 0-76
BEO II 09 10 13 01.9–4.8 39.04N 27.26E 77–2 4.0L **¶610205801**
IDC II 09 10 13 09.7–.97 39.43N 26.19E 0 3.8,3.8b
MCSM II 09 10 13 10.3–.30 40N–3.0 26E–7.0 5–4 4.2b,3.8b
DDA II 09 10 13 10.7–.00 39.54N 26.10E 10–0 4.0W,3.8b
ISK II 09 10 13 10.2 39.54N 26.07E 12–0 4.2L,3.8b
THE II 09 10 13 10.9 39.55N 26.07E 9–1 3.8L,3.8b
MOS II 09 10 13 10.7–.88 39.56N 26.14E 14 4.2b,3.8b
ATH II 09 10 13 11.4 39.52N 26.07E 13 3.8W,3.8b
SOF II 09 10 13 25.3 40.57N 25.21E 3 3.5,3.8b
ISC Event type ke.
BEO Event type ke.
IDC Error ellipse: s-maj=15.6km s-min=14.5km az=77.0.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.6km az=106.0.
MOS Error ellipse: s-maj=7.0km s-min=4.1km az=101.1.
ATH Moment Tensor Solution. s8 Moment tensor: M_{rr}-4.40 $M_{\theta\theta}$5.87 $M_{\phi\phi}$-1.47 $M_{r\theta}$1.57 $M_{\theta\phi}$-0.86 $M_{\phi r}$2.01 NP1:ϕ_s122.00000°,δ44.00000°,λ-49.00000°. NP2:ϕ_s252.00000°,δ58.00000°,λ-122.00000°.
ISC II 09 10 30 12.3–.82 39.52N–.02 26.09E–.02 13–5 69 0-2
ISK II 09 10 30 11.9 39.52N 26.09E 6–0 2.6L **¶610679589**
DDA II 09 10 30 12.7–.00 39.53N 26.14E 9–0 2.2L
THE II 09 10 30 12.4 39.52N 26.08E 3–2 2.1L
ATH II 09 10 30 12.3 39.51N 26.09E 14–4 2.1L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=2.8km s-min=0.5km az=131.0.
ATH Event type ke. Error ellipse: s-maj=4.7km s-min=1.0km az=183.0.
ISC II 09 11 01 02.4–.82 39.53N–.02 26.08E–.03 16–5 54 0-2
ATH II 09 11 01 02.4 39.53N 26.09E 14–2 2.1L **¶610915529**
ISK II 09 11 01 02.2 39.54N 26.08E 11–0 2.5L
DDA II 09 11 01 03.5–.00 39.57N 26.15E 7–2 2.1L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.1km s-min=1.2km az=94.0.
ISK Event type ke.
ISC II 09 13 52 23.6–.81 39.54N–.01 26.05E–.02 16–5 86 0-3
ISK II 09 13 52 23.8 39.54N 26.03E 6–0 2.7L **¶610679591**
THE II 09 13 52 24.3 39.54N 26.04E 5–1 2.7L
ATH II 09 13 52 24.6 39.52N 26.03E 16–2 2.7L
DDA II 09 13 52 24.4–.00 39.55N 26.10E 10–0 2.6L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.4km az=118.0.
ATH Event type ke. Error ellipse: s-maj=3.2km s-min=0.9km az=156.0.
DDA II 09 14 14 07.4–.00 39.54N 26.18E 7–1 1.0L
¶612619358
ISC II 09 14 33 17.0–.87 39.54N–.02 26.04E–.03 12–6 58 0-2
THE II 09 14 33 17.1 39.55N 26.04E 6–1 2.9L **¶610679592**
ATH II 09 14 33 17.2 39.55N 26.04E 7–3 2.9L
DDA II 09 14 33 17.3–.00 39.54N 26.09E 10–0 2.8L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.5km az=141.0.
ATH Event type ke. Error ellipse: s-maj=3.3km s-min=1.0km az=185.0.
ISC II 09 14 56 53.9–.89 39.54N–.02 26.06E–.02 15–6 76 0-2
ISK II 09 14 56 53.6 39.55N 26.04E 7–0 2.6L **¶610679593**
THE II 09 14 56 54.2 39.55N 26.04E 3–1 2.5L
ATH II 09 14 56 54.2 39.54N 26.05E 8–3 2.4L
DDA II 09 14 56 54.0–.00 39.54N 26.10E 7–2 2.4L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.5km az=136.0.
ATH Event type ke. Error ellipse: s-maj=4.3km s-min=1.0km az=207.0.
ISC II 09 14 58 45.5–.86 39.55N–.02 26.09E–.02 10–7 69 0-2
ISK II 09 14 58 44.9 39.54N 26.08E 12–0 2.5L **¶610679594**
THE II 09 14 58 45.6 39.55N 26.06E 2–1 2.1L
DDA II 09 14 58 45.6–.00 39.55N 26.10E 7–2 2.3L
ATH II 09 14 58 46.0 39.55N 26.05E 8–4 2.2L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.4km az=153.0.
ATH Event type ke. Error ellipse: s-maj=4.6km s-min=1.2km az=206.0.
ISC II 09 15 01 25.7–.80 39.53N–.01 26.07E–.02 14–5 177 0-8
ISK II 09 15 01 25.2 39.54N 26.08E 12–0 3.0L **¶610679595**
ATH II 09 15 01 26.2 39.51N 26.09E 16–1 3.2L
THE II 09 15 01 26.0 39.55N 26.06E 6–1 3.3L
DDA II 09 15 01 26.0–.00 39.53N 26.10E 11–3 3.5L
BEO II 09 15 01 27.1–1.5 39.40N 25.53E 0 3.2L
SOF II 09 15 01 30.1 39.24N 26.30E 111 3.6
ISC Event type ke.

ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.8km s-min=0.8km az=119.0.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.6km az=160.0.
BEO Event type ke.
ISC II 09 16 25 12.0–.87 39.51N–.02 26.08E–.03 12–5 50 0-2
ISK II 09 16 25 11.5 39.51N 26.06E 11–0 2.6L **¶610915587**
DDA II 09 16 25 12.4–.00 39.52N 26.10E 10–0 2.4L
ISC Event type ke.
ISK Event type ke.
ISC II 09 17 04 16.8–.83 39.54N–.02 26.05E–.03 13–5 60 0-2
DDA II 09 17 04 16.9–.00 39.54N 26.08E 12–0 2.5L **¶610679597**
ISK II 09 17 04 16.4 39.54N 26.06E 12–0 2.5L
THE II 09 17 04 17.1 39.55N 26.04E 1–3 2.2L
ATH II 09 17 04 17.1 39.55N 26.05E 7–2 2.4L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=3.2km s-min=0.7km az=298.0.
ATH Event type ke. Error ellipse: s-maj=3.2km s-min=0.9km az=226.0.
ISC II 09 18 41 39.3–.83 39.52N–.02 26.01E–.02 12–6 105 0-7
THE II 09 18 41 39.8 39.55N 26.02E 5–1 3.0L **¶610679598**
ISK II 09 18 41 39.3 39.55N 26.04E 10–0 2.9L
DDA II 09 18 41 40.0–.00 39.55N 26.10E 11–0 3.0L
ATH II 09 18 41 40.1 39.52N 26.06E 14–2 3.0L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.5km az=126.0.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.6km s-min=0.9km az=122.0.
ISC II 09 19 28 22.8–.81 39.50N–.01 26.16E–.02 13–5 113 0-7
ISK II 09 19 28 22.8 39.53N 26.13E 8–0 3.0L **¶610679600**
THE II 09 19 28 23.5 39.52N 26.14E 6–1 2.8L
DDA II 09 19 28 23.1–.00 39.53N 26.16E 8–3 3.1L
ATH II 09 19 28 23.8 39.51N 26.12E 11–2 2.8L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.5km az=254.0.
ATH Event type ke. Error ellipse: s-maj=2.8km s-min=0.8km az=141.0.
ISC II 09 19 29 54.5–.85 39.54N–.02 26.09E–.03 12–6 68 0-2
DDA II 09 19 29 54.6–.00 39.54N 26.12E 12–2 2.7L **¶610915655**
ISK II 09 19 29 54.0 39.54N 26.08E 10–0 2.8L
ATH II 09 19 29 55.1 39.54N 26.05E 8–3 2.6L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.7km s-min=1.0km az=205.0.
ISC II 09 19 47 39.5–.83 39.55N–.01 26.09E–.02 13–6 94 0-3
DDA II 09 19 47 39.4–.00 39.54N 26.12E 4–2 2.7L **¶610679601**
THE II 09 19 47 39.7 39.54N 26.08E 8–0 2.4L
ATH II 09 19 47 39.9 39.54N 26.07E 8–1 2.5L
ISK II 09 19 47 39.0 39.55N 26.08E 8–0 2.7L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.4km az=243.0.
ATH Event type ke. Error ellipse: s-maj=1.7km s-min=0.6km az=248.0.
ISK Event type ke.
ISC II 09 22 44 08.7–.79 39.52N–.01 26.15E–.02 10–5 89 0-3
THE II 09 22 44 08.9 39.53N 26.13E 6–1 2.4L **¶610679603**
ISK II 09 22 44 08.4 39.53N 26.13E 9–0 2.8L
DDA II 09 22 44 08.8–.00 39.53N 26.17E 7–0 2.7L
ATH II 09 22 44 09.1 39.52N 26.15E 8–1 2.7L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.8km az=249.0.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.4km s-min=0.8km az=254.0.
ISC II 10 00 13 34.6–.80 39.44N–.02 26.21E–.02 15–5 74 0-2
DDA II 10 00 13 34.5–.00 39.45N 26.22E 12–0 2.5L **¶610679604**
ISK II 10 00 13 34.4 39.45N 26.19E 8–0 2.6L
ATH II 10 00 13 35.1 39.42N 26.17E 13–1 2.3L
THE II 10 00 13 35.0 39.45N 26.19E 10–0 2.0L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.4km s-min=0.8km az=234.0.
THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.5km az=258.0.
ISC II 10 03 03 05.6–.90 39.54N–.02 26.07E–.03 10–7 57 0-2
DDA II 10 03 03 04.8–.00 39.51N 26.09E 7–4 2.1L **¶610679606**
ISK II 10 03 03 04.9 39.54N 26.05E 5–0 2.5L
ATH II 10 03 03 05.8 39.54N 26.08E 7–3 2.5L
THE II 10 03 03 05.5 39.54N 26.05E 8–1 2.2L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.4km s-min=0.9km az=238.0.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.6km az=256.0.
ISC II 10 03 59 07.2–.86 39.55N–.02 26.09E–.02 12–6 55 0-2
ISK II 10 03 59 06.3 39.56N 26.02E 3–0 2.7L **¶610915745**
ATH II 10 03 59 07.5 39.54N 26.08E 5–1 2.5L
DDA II 10 03 59 07.0–.00 39.55N 26.10E 7–4 2.6L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.5km s-min=0.8km az=250.0.
ISC II 10 04 01 46.8–.83 39.52N–.01 26.03E–.02 14–5 144 0-8
ISK II 10 04 01 46.9 39.55N 26.05E 8–0 3.2L **¶610679608**
DDA II 10 04 01 47.2–.00 39.53N 26.07E 12–2 3.4L
ATH II 10 04 01 47.8 39.53N 26.05E 10–2 3.2L
BEO II 10 04 01 47.1–1.1 39.46N 25.88E 0 3.2L
THE II 10 04 01 47.4 39.53N 26.07E 16–0 3.2L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.9km s-min=1.0km az=196.0.
BEO Event type ke.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.6km az=93.0.
ISK II 10 04 53 34.8 39.56N 26.08E 3–0 2.0L
DDA II 10 04 53 35.7–.00 39.58N 26.14E 7–1 1.6L **¶610915750**
ISK Event type ke.
ISC II 10 08 55 26.1–.66 39.52N–.01 26.18E–.02 10–4 4.6b,3.8s 732 0-128
BJI II 10 08 55 19.5–.00 39.26N 25.46E 10 5.2b,4.6b **¶611831783**
IDC II 10 08 55 24.3–.39 39.49N 26.19E 0 4.4,4.4b
DDA II 10 08 55 25.9–.00 39.52N 26.18E 8–0 5.0L,4.4b
MOS II 10 08 55 25.5–.95 39.54N 26.22E 15 4.7b,4.4b
ISK II 10 08 55 25.3 39.52N 26.15E 11–0 4.8L,4.4b
MED_R II 10 08 55 25.0–.30 39.53N 26.19E 10 4.7W,4.4b
PDG II 10 08 55 25.7–.66 39.49N 26.16E 13–0 4.6L,4.4b
NEIC II 10 08 55 26.9–1.8 39.55N–.04 26.19E–.05 10–4 4.7b,4.5
THE II 10 08 55 26.2 39.53N 26.13E 9–0 4.3L,4.5
ATH II 10 08 55 26.8 39.48N 26.16E 16–1 4.4L,4.5
SOF II 10 08 55 26.9 39.60N 26.12E 18 4.4,4.5
BEO II 10 08 55 26.1–1.2 39.65N 26.29E 0 4.4L,4.5
MCSM II 10 08 55 26.3–.60 40N–5.0 26E–9.0 5–2 4.7b,4.5
GCMT II 10 08 55 28.9–.50 39.65N–.05 26.05E–.04 22–1 5.0W,4.5
CFUSG II 10 08 55 31.7 39.80N 26.40E 10 3.7b,4.5
ISC Event type ke. Moment Tensor Solution. NP1:ϕ_s318.30383°,δ60.30285°,λ-79.05125°. NP2: ϕ_s116.97396°,δ31.47759°,λ-108.41893°. Principal axes: T Plg14.6397°,Azm40.3250° ; N Plg9.4963°,Azm132.8294°; P Plg72.4328°,Azm254.7250°
IDC Error ellipse: s-maj=8.5km s-min=7.6km az=102.0.
MOS Error ellipse: s-maj=4.1km s-min=2.6km az=94.3.
ISK Event type ke.
MED_R Error ellipse: s-maj=4.4km s-min=3.3km az=-1.0. nsta1 refers to body waves. nsta2 refers to surface waves, cutoff=40s. Moment Tensor Solution. Mantle waves: s19,c20;Duration: 1s0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.11±.03 $M_{\theta\theta}$0.49±.03; $M_{\phi\phi}$0.62±.03; $M_{r\theta}$-0.10±.27; $M_{\theta\phi}$-0.54±.03; $M_{\phi r}$0.46±.28; Best double couple: NP1:ϕ_s149.00000°,δ56.00000°,λ-78.00000°. NP2:ϕ_s308.00000°,δ36.00000°,λ-107.00000°. Principal axes: T 1.1800,Plg10.0000° ,Azm230.0000°; N 0.0500,Plg10.0000°,Azm322.0000°; P -1.2200,Plg76.0000°,Azm94.0000° $M_0$1.20000×10^{16}
PDG Event type ke. Error ellipse: s-maj=0.5km s-min=0.6km az=0.0.

NEIC Event type se. Error ellipse: s-maj=7.1km s-min=5.2km az=220.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-7.18 $M_{\theta\theta}$2.31 $M_{\phi\phi}$4.87 $M_{r\theta}$0.71 $M_{\theta\phi}$-3.52 $M_{\phi r}$1.01 NP1:ϕ_s315.96000°,δ44.09000°,λ-103.17000°. NP2:ϕ_s154.01000°,δ47.35000° ,λ-77.55000°. Principal axes: T 7.3448,Plg2.0000°,Azm235.0000°; N 0.0320,Plg9.0000° ,Azm326.0000°; P -7.3768,Plg81.0000°,Azm135.0000° $M_0$7.36000×10^{15}
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.5km az=105.0.
ATH Event type ke. Error ellipse: s-maj=1.6km s-min=0.8km az=136.0.
BEO Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s31,c34; s72,c104;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-4.07±.33 $M_{\theta\theta}$0.88±.19; $M_{\phi\phi}$3.19±.22; $M_{r\theta}$0.06±.32; $M_{\theta\phi}$-1.11±.11; $M_{\phi r}$1.09±.31; Best double couple: NP1:ϕ_s164.00000°,δ52.00000°,λ-83.00000°. NP2:ϕ_s333.00000°,δ38.00000°,λ-99.00000°. Principal axes: T 3.7630,Plg7.0000° ,Azm249.0000°; N 0.4810,Plg5.0000°,Azm340.0000°; P -4.2400,Plg81.0000°,Azm107.0000° $M_0$4.00200×10^{16}
CFUSG Western Turkey. Magtype MSH 3.8 from 3 stations.
ISC II 10 09 07 00.4–.86 39.54N–.02 26.01E–.02 12–6 81 0-3
ISK II 10 09 06 59.9 39.54N 26.01E 7–0 3.0L **¶610679610**
ATH II 10 09 07 00.6 39.52N 26.02E 11–2 2.9L
THE II 10 09 07 00.3 39.54N 26.03E 5–1 2.9L
DDA II 10 09 07 01.0–.00 39.55N 26.06E 7–3 2.8L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.0km s-min=0.9km az=122.0.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.5km az=106.0.
ISC II 10 09 14 20.1–.82 39.51N–.02 26.11E–.03 13–6 57 0-2
ISK II 10 09 14 19.8 39.52N 26.10E 11–0 2.9L **¶610915788**
DDA II 10 09 14 20.5–.00 39.51N 26.16E 7–1 2.5L
ATH II 10 09 14 20.3 39.51N 26.13E 13–2 2.6L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.7km s-min=1.0km az=226.0.
ISC II 10 09 38 35.2–.88 39.52N–.02 26.15E–.02 8–6 78 0-2
ISK II 10 09 38 34.7 39.53N 26.15E 7–0 2.9L **¶610679611**
THE II 10 09 38 35.5 39.53N 26.16E 4–1 2.7L
DDA II 10 09 38 35.8–.00 39.54N 26.22E 7–1 2.8L
ATH II 10 09 38 35.7 39.50N 26.17E 13–3 2.9L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.4km az=256.0.
ATH Event type ke. Error ellipse: s-maj=3.4km s-min=1.2km az=176.0.
ISC II 10 09 46 22.0–.84 39.55N–.02 26.03E–.02 13–6 90 0-4
DDA II 10 09 46 21.8–.00 39.54N 26.07E 7–3 2.8L **¶610679613**
ATH II 10 09 46 21.8 39.54N 26.01E 9–2 3.0L
ISK II 10 09 46 21.2 39.56N 26.05E 8–0 3.0L
THE II 10 09 46 21.8 39.55N 26.03E 4–1 2.9L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.2km s-min=1.1km az=118.0.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.4km az=115.0.
ISC II 10 11 38 23.9–.82 39.53N–.02 26.15E–.03 10–5 62 0-2
DDA II 10 11 38 23.8–.00 39.54N 26.16E 8–1 2.3L **¶610915806**
ISK II 10 11 38 23.5 39.53N 26.15E 9–0 2.8L
ATH II 10 11 38 24.5 39.52N 26.13E 9–2 2.3L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.3km s-min=0.9km az=233.0.
ISC II 10 12 22 11.8–.80 39.53N–.02 26.15E–.02 9–5 85 0-2
DDA II 10 12 22 11.7–.00 39.54N 26.16E 8–0 2.5L **¶610679614**
ISK II 10 12 22 11.6 39.54N 26.12E 8–0 2.8L
THE II 10 12 22 11.9 39.53N 26.15E 5–4 2.6L
ATH II 10 12 22 12.2 39.53N 26.16E 7–3 2.7L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=4.4km s-min=0.2km az=115.0.
ATH Event type ke. Error ellipse: s-maj=3.7km s-min=1.0km az=246.0.
ISC II 10 12 27 33.1–.66 39.80N–.01 42.50E–.01 8–4 4.4b,3.7s 489 0-79
AZER II 10 12 27 19.0–1.2 39.81N 40.92E 10 4.4b,3.7s **¶610208004**
TIF II 10 12 27 30.3 39.79N 42.48E 3–1 4.4b,3.7s
DDA II 10 12 27 31.6–.00 39.78N 42.54E 4–2 4.5W,3.7s
ISK II 10 12 27 31.2 39.80N 42.52E 7–0 4.4L,3.7s
NSSP II 10 12 27 31.0 39.85N 42.60E 10 4.4s,3.7s
IDC II 10 12 27 31.5–.57 39.79N 42.54E 0 3.9,3.9b
TEH II 10 12 27 31.7 39.78N 42.53E 4–78 4.4L,3.9b
MOS II 10 12 27 32.2–1.5 39.76N 42.53E 13 4.5b,3.9b
NEIC II 10 12 27 32.9–1.7 39.77N–.04 42.60E–.08 10–1 4.5b,3.9b
GII II 10 12 27 33.8–.00 39.78N 42.53E 5 4.5b,3.9b
ISC Event type ke.
AZER Error ellipse: s-maj=9.3km s-min=6.4km az=33.0.
ISK Event type ke.
IDC Error ellipse: s-maj=9.6km s-min=7.1km az=165.0.
TEH Error ellipse: s-maj=1.9km s-min=2.6km az=-1.0.
MOS Error ellipse: s-maj=4.5km s-min=3.1km az=82.9.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=5.9km az=111.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GII Event type ke.
ISC II 10 13 14 44.5–.93 39.59N–.02 26.06E–.04 10–6 49 0-2
ISK II 10 13 14 43.8 39.58N 26.04E 7–0 2.6L **¶610915825**
DDA II 10 13 14 44.5–.00 39.58N 26.07E 3–2 2.3L
ISC Event type ke.
ISK Event type ke.
ISC II 10 14 18 01.2–.85 39.56N–.02 26.08E–.02 9–6 74 0-2
ISK II 10 14 18 00.8 39.55N 26.10E 6–0 2.8L **¶610679616**
THE II 10 14 18 01.2 39.56N 26.07E 7–2 2.5L
DDA II 10 14 18 01.4–.00 39.56N 26.12E 7–0 2.4L
ATH II 10 14 18 01.6 39.57N 26.08E 7–2 2.7L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=3.0km s-min=0.4km az=118.0.
ATH Event type ke. Error ellipse: s-maj=2.7km s-min=0.8km az=216.0.
ISC II 10 14 34 03.3–.84 39.52N–.02 26.14E–.02 9–5 65 0-2
ISK II 10 14 34 02.6 39.53N 26.16E 7–0 2.6L **¶610679617**
DDA II 10 14 34 03.4–.00 39.52N 26.15E 8–0 2.0L
ATH II 10 14 34 03.6 39.52N 26.13E 6–3 2.0L
THE II 10 14 34 03.4 39.52N 26.12E 4–7 2.0L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=4.0km s-min=0.9km az=207.0.
THE Event type ke. Error ellipse: s-maj=7.3km s-min=0.3km az=119.0.
ISK II 10 16 14 09.2 39.54N 26.09E 8–1 1.8L
¶610915869
ISK Event type ke.
ISC II 10 16 15 47.4–.80 37.48N–.02 35.69E–.02 12–5 3.6b 93 0-78
IDC II 10 16 15 45.3–.79 37.39N 35.63E 0 3.6,3.6b **¶610415243**
ISK II 10 16 15 46.8 37.53N 35.66E 6–0 3.9L,3.6b
DDA II 10 16 15 47.4–.00 37.49N 35.69E 8–6 4.0W,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=17.1km s-min=9.9km az=65.0.
ISK Event type ke.
ISC II 10 18 06 35.1–.86 39.55N–.02 26.09E–.02 10–6 82 0-2
ISK II 10 18 06 34.8 39.53N 26.09E 11–0 2.9L **¶610679621**
DDA II 10 18 06 35.2–.00 39.56N 26.11E 8–2 2.7L
ATH II 10 18 06 35.5 39.55N 26.08E 7–2 2.8L
THE II 10 18 06 35.2 39.54N 26.07E 5–7 2.5L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.9km s-min=0.8km az=237.0.
THE Event type ke. Error ellipse: s-maj=7.3km s-min=0.4km az=118.0.

ISC II 10 18 21 56.8–.87 39.54N–.02 26.16E–.02 8–6 82 0-2
DDA II 10 18 21 56.7–.00 39.54N 26.19E 4–2 2.8L ¶610679622
ISK II 10 18 21 56.4 39.54N 26.15E 8–0 2.9L
ATH II 10 18 21 57.1 39.54N 26.21E 8–3 2.8L
THE II 10 18 21 57.0 39.53N 26.15E 4–8 2.6L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=4.5km s-min=1.1km az=249.0.
THE Event type ke. Error ellipse: s-maj=8.2km s-min=0.4km az=165.0.
ISC II 10 18 55 53.2–.87 39.56N–.02 26.10E–.02 10–7 74 0-4
ISK II 10 18 55 52.5 39.56N 26.10E 8–0 2.9L ¶610679623
DDA II 10 18 55 52.8–.00 39.55N 26.11E 7–1 2.7L
THE II 10 18 55 53.0 39.57N 26.08E 5–8 2.7L
ATH II 10 18 55 53.3 39.56N 26.09E 6–2 2.7L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=8.3km s-min=0.3km az=169.0.
ATH Event type ke. Error ellipse: s-maj=3.1km s-min=0.8km az=243.0.
ISC II 10 20 25 46.4–1.3 36.90N–.03 30.48E–.03 106–7 97 0-8
ISK II 10 20 25 46.7 36.98N 30.42E 98–1 3.4L ¶610208740
NIC II 10 20 25 48.7–.00 36.61N 30.45E 95–4 3.5L
DDA II 10 20 25 49.0–.00 37.00N 30.42E 52–5 3.0L
ISC Event type ke.
ISK Event type ke.
NIC Event type ke.
ISC II 10 20 36 55.7–.93 39.54N–.02 26.07E–.03 10–6 38 0-2
ISK II 10 20 36 54.9 39.55N 26.05E 3–0 2.5L ¶610915920
DDA II 10 20 36 55.9–.00 39.54N 26.10E 8–0 1.9L
ISC Event type ke.
ISK Event type ke.
ISC II 10 20 42 37.7–.81 39.53N–.02 26.19E–.02 10–5 65 0-3
ISK II 10 20 42 37.4 39.52N 26.15E 7–0 2.8L ¶610679627
THE II 10 20 42 38.2 39.47N 26.16E 21–7 2.4L
DDA II 10 20 42 38.0–.00 39.53N 26.18E 7–0 2.4L
ATH II 10 20 42 38.3 39.54N 26.16E 4–2 2.5L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=9.3km s-min=0.6km az=165.0.
ATH Event type ke. Error ellipse: s-maj=3.3km s-min=0.8km az=235.0.
ISC II 10 20 49 47.3–.91 39.56N–.02 26.09E–.02 9–6 74 0-7
ISK II 10 20 49 46.6 39.55N 26.08E 7–0 2.8L ¶610915923
THE II 10 20 49 46.8 39.57N 26.07E 5–14 2.7L
DDA II 10 20 49 47.3–.00 39.55N 26.12E 7–0 2.5L
ATH II 10 20 49 47.4 39.56N 26.06E 5–3 2.8L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=14.8km s-min=0.6km az=169.0.
ATH Event type ke. Error ellipse: s-maj=3.8km s-min=1.0km az=229.0.
ISC II 10 20 54 31.4–.84 39.54N–.02 26.08E–.03 10–6 65 0-3
ISK II 10 20 54 30.7 39.55N 26.05E 6–0 2.6L ¶610679629
DDA II 10 20 54 31.4–.00 39.54N 26.11E 10–0 2.1L
ATH II 10 20 54 31.8 39.54N 26.09E 8–2 2.4L
THE II 10 20 54 31.4 39.53N 26.08E 8–17 2.3L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.1km s-min=0.9km az=230.0.
THE Event type ke. Error ellipse: s-maj=17.3km s-min=0.5km az=169.0.
ISC II 10 22 01 00.6–.86 39.58N–.02 26.04E–.03 13–7 67 0-2
THE II 10 22 01 00.4 39.58N 26.03E 5–13 2.3L ¶610679631
ATH II 10 22 01 00.7 39.58N 26.03E 6–2 2.4L
DDA II 10 22 01 00.4–.00 39.58N 26.05E 7–1 2.3L
ISK II 10 22 01 00.1 39.58N 26.02E 6–0 2.6L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=13.6km s-min=0.6km az=173.0.
ATH Event type ke. Error ellipse: s-maj=3.1km s-min=0.8km az=240.0.
ISK Event type ke.
ISC II 11 01 03 28.3–.89 39.55N–.02 26.10E–.04 9–6 35 0-2
ISK II 11 01 03 27.7 39.55N 26.10E 6–0 2.5L ¶610915967
DDA II 11 01 03 28.5–.00 39.56N 26.11E 6–0 1.9L
ISC Event type ke.
ISK Event type ke.
ISC II 11 01 29 20.5–.88 39.53N–.02 26.17E–.03 8–5 61 0-2
ISK II 11 01 29 19.8 39.53N 26.17E 6–0 2.5L ¶610679634
ATH II 11 01 29 20.8 39.53N 26.15E 4–3 2.1L
DDA II 11 01 29 20.2–.00 39.53N 26.19E 7–1 1.9L
THE II 11 01 29 20.6 39.52N 26.16E 6–1 2.1L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.4km s-min=0.8km az=238.0.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.6km az=256.0.
ISC II 11 02 56 29.9–.84 39.53N–.02 26.12E–.02 9–5 64 0-2
ISK II 11 02 56 28.9 39.54N 26.07E 8–0 2.5L ¶610679635
DDA II 11 02 56 30.2–.00 39.53N 26.17E 5–1 1.9L
THE II 11 02 56 30.2 39.52N 26.14E 6–1 1.9L
ATH II 11 02 56 30.2 39.54N 26.13E 6–3 2.0L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.5km az=252.0.
ATH Event type ke. Error ellipse: s-maj=3.9km s-min=0.9km az=191.0.
ISC II 11 03 48 01.0–.83 39.52N–.01 26.18E–.02 10–5 153 0-41
ISK II 11 03 47 59.9 39.53N 26.19E 10–0 3.5L ¶610415276
DDA II 11 03 48 00.7–.00 39.53N 26.20E 7–1 3.6W
IDC II 11 03 48 00.3–2.2 39.32N 26.45E 0 3.4L,3.3
THE II 11 03 48 00.9 39.53N 26.18E 5–0 3.6L,3.3
ATH II 11 03 48 01.2 39.50N 26.18E 14–2 3.3L,3.3
BEO II 11 03 48 05.2–1.4 39.80N 25.95E 0 3.3L,3.3
ISC Event type ke.
ISK Event type ke.
IDC Error ellipse: s-maj=87.9km s-min=23.2km az=157.0.
THE Event type ke. Error ellipse: s-maj=0.8km s-min=0.3km az=264.0.
ATH Event type ke. Error ellipse: s-maj=3.0km s-min=1.0km az=201.0.
BEO Event type ke.
ISC II 11 04 02 25.8–.97 39.52N–.03 26.10E–.04 11–5 39 0-2
DDA II 11 04 02 25.6–.00 39.52N 26.12E 12–0 2.0L ¶610915986
ISK II 11 04 02 25.2 39.52N 26.07E 7–0 2.5L
ISC Event type ke.
ISK Event type ke.
ISC II 11 04 18 45.1–.82 39.53N–.02 26.09E–.02 9–5 97 0-7
ISK II 11 04 18 44.4 39.54N 26.08E 6–0 3.1L ¶610679638
THE II 11 04 18 45.0 39.53N 26.08E 8–0 3.1L
ATH II 11 04 18 45.3 39.54N 26.07E 8–2 3.2L
DDA II 11 04 18 45.2–.00 39.53N 26.13E 9–0 2.9L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.5km az=256.0.
ATH Event type ke. Error ellipse: s-maj=2.6km s-min=0.9km az=226.0.
ISC II 11 05 21 22.5–.90 39.57N–.02 26.10E–.02 9–7 69 0-2
ISK II 11 05 21 21.9 39.57N 26.09E 6–0 2.6L ¶610679639
THE II 11 05 21 22.4 39.57N 26.08E 6–1 2.4L
ATH II 11 05 21 22.6 39.57N 26.08E 6–3 2.6L
DDA II 11 05 21 22.0–.00 39.55N 26.12E 7–2 2.3L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.5km az=249.0.
ATH Event type ke. Error ellipse: s-maj=3.7km s-min=0.9km az=224.0.
ISK II 11 08 41 07.1 39.54N 26.12E 10–1 2.0L
DDA II 11 08 41 07.3–.00 39.55N 26.16E 7–1 1.6L ¶610916004
ISK Event type ke.
ISC II 11 09 10 25.5–.83 39.55N–.02 26.09E–.03 10–5 65 0-2
ATH II 11 09 10 26.0 39.55N 26.06E 7–3 2.5L ¶610916011
DDA II 11 09 10 25.6–.00 39.56N 26.13E 7–1 2.5L
ISK II 11 09 10 25.2 39.55N 26.09E 7–0 2.8L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.5km s-min=0.9km az=215.0.
ISK Event type ke.
ISC II 11 09 31 31.8–.84 39.55N–.02 26.09E–.02 10–6 78 0-2
DDA II 11 09 31 31.8–.00 39.56N 26.13E 7–1 2.7L ¶610679640
ISK II 11 09 31 31.1 39.56N 26.08E 3–0 2.9L
ATH II 11 09 31 32.1 39.55N 26.07E 9–2 2.5L
THE II 11 09 31 32.0 39.55N 26.07E 4–1 2.4L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.2km s-min=0.9km az=206.0.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.4km az=257.0.
ISC II 11 12 37 55.0–.84 39.56N–.02 26.10E–.03 10–5 76 0-2
DDA II 11 12 37 54.9–.00 39.56N 26.12E 7–1 2.7L ¶610679644
ISK II 11 12 37 54.4 39.56N 26.09E 7–0 2.8L
ATH II 11 12 37 55.2 39.56N 26.08E 8–4 2.5L
THE II 11 12 37 55.0 39.55N 26.07E 6–1 2.4L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=4.5km s-min=1.0km az=190.0.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.5km az=250.0.
ISC II 11 13 31 30.3–.88 39.51N–.02 26.05E–.03 10–6 60 0-2
ISK II 11 13 31 29.7 39.51N 26.04E 6–0 2.6L ¶610679647
DDA II 11 13 31 30.4–.00 39.52N 26.09E 10–0 2.3L
THE II 11 13 31 30.3 39.51N 26.04E 3–2 2.2L
ATH II 11 13 31 30.4 39.51N 26.05E 4–3 2.5L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=2.1km s-min=0.5km az=137.0.
ATH Event type ke. Error ellipse: s-maj=3.3km s-min=0.9km az=231.0.
ISC II 11 13 47 13.5–.87 39.53N–.02 26.19E–.03 8–6 49 0-1
THE II 11 13 47 13.8 39.53N 26.14E 5–2 2.0L ¶610679648
DDA II 11 13 47 13.5–.00 39.53N 26.17E 9–1 2.0L
ATH II 11 13 47 13.5 39.52N 26.19E 4–4 1.9L
ISK II 11 13 47 13.2 39.54N 26.15E 6–0 2.6L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=2.5km s-min=0.6km az=128.0.
ATH Event type ke. Error ellipse: s-maj=4.6km s-min=1.1km az=242.0.
ISK Event type ke.
ISC II 11 15 28 49.3–.84 39.57N–.02 26.14E–.03 10–6 68 0-2
ISK II 11 15 28 49.4 39.56N 26.13E 7–0 2.9L ¶610679651
DDA II 11 15 28 49.4–.00 39.58N 26.15E 3–2 2.6L
ATH II 11 15 28 50.3 39.55N 26.12E 8–3 2.6L
THE II 11 15 28 50.0 39.55N 26.15E 7–1 2.4L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=4.3km s-min=1.2km az=241.0.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.5km az=257.0.
ISC II 11 16 08 37.1–.86 39.53N–.02 26.18E–.02 10–6 67 0-2
ISK II 11 16 08 36.5 39.53N 26.17E 8–0 2.7L ¶610679652
DDA II 11 16 08 36.6–.00 39.52N 26.19E 7–2 2.2L
THE II 11 16 08 37.2 39.53N 26.15E 2–1 2.5L
ATH II 11 16 08 37.4 39.53N 26.14E 6–2 2.4L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.4km az=140.0.
ATH Event type ke. Error ellipse: s-maj=3.1km s-min=0.8km az=237.0.
ISC II 11 17 25 04.0–.88 39.55N–.02 26.05E–.03 9–6 68 0-2
ISK II 11 17 25 03.6 39.54N 26.06E 8–0 2.7L ¶610679654
ATH II 11 17 25 04.3 39.53N 26.04E 8–1 2.5L
DDA II 11 17 25 04.2–.00 39.55N 26.08E 2–2 2.5L
THE II 11 17 25 04.2 39.54N 26.03E 4–1 2.4L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.4km s-min=0.9km az=253.0.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.4km az=114.0.
ISC II 11 17 33 58.5–.84 39.54N–.02 26.10E–.03 11–6 71 0-4
ISK II 11 17 33 57.9 39.53N 26.09E 12–0 2.9L ¶610679655
ATH II 11 17 33 58.9 39.54N 26.04E 8–2 2.8L
DDA II 11 17 33 58.6–.00 39.55N 26.14E 7–2 2.9L
THE II 11 17 33 58.8 39.54N 26.07E 4–1 2.9L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.6km s-min=0.8km az=224.0.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.4km az=114.0.
ISC II 11 17 38 15.0–.84 39.54N–.02 26.10E–.03 12–5 59 0-2
ISK II 11 17 38 14.3 39.55N 26.06E 11–0 2.6L ¶610679656
DDA II 11 17 38 14.9–.00 39.56N 26.18E 7–2 2.2L
THE II 11 17 38 15.1 39.54N 26.06E 5–1 2.3L
ATH II 11 17 38 15.1 39.54N 26.07E 8–2 2.4L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.5km az=250.0.
ATH Event type ke. Error ellipse: s-maj=3.3km s-min=1.0km az=245.0.
ISC II 11 20 06 43.4–.84 39.53N–.01 26.14E–.02 9–6 115 0-8
ISK II 11 20 06 42.7 39.53N 26.16E 6–0 2.9L ¶610679659
SOF II 11 20 06 42.5 39.29N 25.54E 20 3.2
ATH II 11 20 06 43.9 39.51N 26.14E 15–1 3.1L
DDA II 11 20 06 43.6–.00 39.53N 26.20E 10–1 3.4W
THE II 11 20 06 43.7 39.52N 26.15E 3–1 3.2L
BEO II 11 20 06 47.2–1.5 39.47N 25.34E 0 3.1L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.1km s-min=0.7km az=158.0.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.5km az=255.0.
BEO Event type ke.
ISC II 11 22 01 14.3–.76 39.55N–.01 26.13E–.02 11–5 3.4b,3.2s 230 0-41
SOF II 11 22 01 06.2 39.19N 26.54E 2 4.0,3.2s ¶610208493
IDC II 11 22 01 12.9–.93 39.44N 26.15E 0 3.6,3.6L
CFUSG II 11 22 01 13.1 39.77N 25.60E 33 3.6,3.6L
ISK II 11 22 01 13.6 39.56N 26.13E 9–0 4.0L,3.6L
DDA II 11 22 01 14.0–.00 39.54N 26.15E 8–1 3.9W,3.6L
ATH II 11 22 01 14.7 39.55N 26.13E 12–1 3.7L,3.6L
THE II 11 22 01 14.3 39.55N 26.12E 6–1 3.8L,3.6L
BEO II 11 22 01 16.3–1.4 39.72N 26.07E 0 3.6L,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=14.3km s-min=12.1km az=74.0.
CFUSG Western Turkey. Magtype MSH 3.3 from 1 stations.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.6km s-min=0.6km az=172.0.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.4km az=135.0.
BEO Event type ke.
ISC II 11 22 42 40.7–.90 39.55N–.02 26.13E–.02 10–7 81 0-3
DDA II 11 22 42 41.3–.00 39.55N 26.17E 4–1 2.8L ¶610679660
ISK II 11 22 42 41.4 39.57N 26.13E 6–0 2.8L
THE II 11 22 42 42.0 39.55N 26.14E 9–0 2.5L
ATH II 11 22 42 42.1 39.53N 26.11E 14–1 2.4L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.5km az=101.0.
ATH Event type ke. Error ellipse: s-maj=2.2km s-min=0.9km az=248.0.
ISC II 11 23 35 42.9–1.0 39.70N–.02 29.35E–.02 10–10 52 0-2
DDA II 11 23 35 42.5–.00 39.72N 29.34E 7–1 2.5L ¶610916098
ISK II 11 23 35 43.2 39.69N 29.39E 8–0 2.9L
ISC Event type ke.
ISK Event type ke.
ISC II 11 23 57 41.3–.89 39.53N–.03 26.17E–.04 9–6 40 0-2
ISK II 11 23 57 40.9 39.52N 26.18E 9–0 2.5L ¶610916100
DDA II 11 23 57 40.9–.00 39.54N 26.15E 6–1 2.2L
ISC Event type ke.

ISK	Event type ke.							
ISC	**II**	**12 03 29 51.6–.79**	**39.55N–.02**	**26.14E–.02**	**13–5**		**76**	**0-3**
ISK	II	12 03 29 51.9	39.55N	26.11E	6–0	2.7L		**¶610679665**
DDA	II	12 03 29 51.9–.00	39.55N	26.17E	3–1	2.5L		
ATH	II	12 03 29 52.6	39.52N	26.14E	12–3	2.5L		
THE	II	12 03 29 52.5	39.52N	26.15E	9–1	2.6L		
ISC	Event type ke.							
ISK	Event type ke.							
ATH	Event type ke. Error ellipse: s-maj=3.4km s-min=1.0km az=185.0.							
THE	Event type ke. Error ellipse: s-maj=1.8km s-min=0.7km az=274.0.							
ISC	**II**	**12 04 17 07.4–.92**	**39.54N–.02**	**26.05E–.02**	**10–6**		**80**	**0-4**
THE	II	12 04 17 07.6	39.53N	26.07E	7–1	2.9L		**¶610679667**
DDA	II	12 04 17 07.9–.00	39.55N	26.13E	4–1	2.9L		
ISK	II	12 04 17 07.1	39.54N	26.06E	6–0	3.0L		
ATH	II	12 04 17 07.9	39.53N	26.04E	10–2	2.9L		
ISC	Event type ke.							
THE	Event type ke. Error ellipse: s-maj=1.2km s-min=0.5km az=229.0.							
ISK	Event type ke.							
ATH	Event type ke. Error ellipse: s-maj=2.6km s-min=0.8km az=164.0.							
ISC	**II**	**12 05 27 59.3–.88**	**39.51N–.02**	**26.06E–.02**	**10–6**		**75**	**0-2**
ISK	II	12 05 27 58.9	39.51N	26.05E	9–0	2.8L		**¶610679671**
DDA	II	12 05 27 59.7–.00	39.52N	26.11E	7–1	2.5L		
ATH	II	12 05 27 59.6	39.51N	26.05E	12–2	2.9L		
THE	II	12 05 27 59.4	39.50N	26.05E	7–1	2.6L		
ISC	Event type ke.							
ISK	Event type ke.							
ATH	Event type ke. Error ellipse: s-maj=2.8km s-min=1.0km az=122.0.							
THE	Event type ke. Error ellipse: s-maj=1.1km s-min=0.4km az=234.0.							
ISC	**II**	**12 08 51 28.0–.84**	**39.54N–.01**	**26.07E–.02**	**15–6**		**94**	**0-3**
ISK	II	12 08 51 27.6	39.55N	26.03E	5–0	2.9L		**¶610679674**
DDA	II	12 08 51 28.0–.00	39.52N	26.10E	7–4	2.7L		
ATH	II	12 08 51 28.6	39.53N	26.07E	12–2	2.8L		
THE	II	12 08 51 28.4	39.54N	26.06E	8–1	2.8L		
ISC	Event type ke.							
ISK	Event type ke.							
ATH	Event type ke. Error ellipse: s-maj=3.1km s-min=0.9km az=173.0.							
THE	Event type ke. Error ellipse: s-maj=1.4km s-min=0.5km az=100.0.							
ISC	**II**	**12 09 28 22.8–.84**	**39.54N–.01**	**26.07E–.02**	**8–5**		**90**	**0-2**
THE	II	12 09 28 22.7	39.54N	26.05E	3–2	2.7L		**¶610679675**
ISK	II	12 09 28 22.2	39.55N	26.06E	5–0	2.9L		
DDA	II	12 09 28 22.8–.00	39.54N	26.10E	8–0	2.8L		
ATH	II	12 09 28 23.2	39.54N	26.06E	8–2	2.7L		
ISC	Event type ke.							
THE	Event type ke. Error ellipse: s-maj=2.1km s-min=0.4km az=125.0.							
ISK	Event type ke.							
ATH	Event type ke. Error ellipse: s-maj=2.5km s-min=0.9km az=240.0.							
ISC	**II**	**12 12 14 49.8–.79**	**39.54N–.01**	**26.07E–.02**	**10–5**	**3.4b**	**254**	**0-42**
IDC	II	12 12 14 48.3–1.1	39.41N	25.99E	0	3.7L,3.5		**¶610208514**
ISK	II	12 12 14 49.2	39.55N	26.06E	10–0	4.0L,3.5		
THE	II	12 12 14 49.9	39.55N	26.05E	8–0	3.9L,3.5		
DDA	II	12 12 14 50.0–.00	39.55N	26.12E	5–0	4.0W,3.5		
ATH	II	12 12 14 50.3	39.50N	26.06E	13–1	3.7L,3.5		
SOF	II	12 12 14 51.1	39.71N	25.95E	10	3.8,3.5		
BEO	II	12 12 14 51.8–1.0	39.79N	26.09E	0	3.7L,3.5		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=19.0km s-min=13.2km az=99.0.							
ISK	Event type ke.							
THE	Event type ke. Error ellipse: s-maj=0.9km s-min=0.4km az=101.0.							
ATH	Event type ke. Error ellipse: s-maj=2.0km s-min=0.8km az=129.0.							
BEO	Event type ke.							
ISC	**II**	**12 12 41 22.9–.83**	**39.54N–.02**	**26.07E–.02**	**10–5**		**74**	**0-2**
THE	II	12 12 41 22.9	39.54N	26.08E	4–2	2.2L		**¶610679679**
ISK	II	12 12 41 22.4	39.55N	26.05E	6–0	2.5L		
DDA	II	12 12 41 23.1–.00	39.55N	26.11E	8–0	2.3L		
ATH	II	12 12 41 23.4	39.53N	26.05E	10–1	2.2L		
ISC	Event type ke.							
THE	Event type ke. Error ellipse: s-maj=2.5km s-min=0.6km az=130.0.							
ISK	Event type ke.							
ATH	Event type ke. Error ellipse: s-maj=2.7km s-min=0.8km az=242.0.							
ISC	**II**	**12 13 32 39.4–.88**	**39.54N–.02**	**26.07E–.03**	**10–7**		**63**	**0-2**
ISK	II	12 13 32 38.9	39.54N	26.07E	7–0	2.8L		**¶610679680**
ATH	II	12 13 32 39.9	39.53N	26.06E	8–2	2.8L		
THE	II	12 13 32 39.6	39.53N	26.09E	7–1	2.9L		
ISC	Event type ke.							
ISK	Event type ke.							
ATH	Event type ke. Error ellipse: s-maj=3.0km s-min=0.9km az=184.0.							
THE	Event type ke. Error ellipse: s-maj=1.2km s-min=0.5km az=155.0.							
ISC	**II**	**12 13 48 15.6–.51**	**39.53N–.01**	**26.18E–.02**	**3–3**	**5.2b,4.7s**	**1995**	**0-163**
BGR	II	12 13 48 11.1	39.16N	26.28E	33	4.1b,4.7s		**¶610208516**
GII	II	12 13 48 11.5–.00	39.52N	26.12E	4	4.1b,4.7s		
SOF	II	12 13 48 12.2	39.39N	26.18E	1	5.1,4.7s		
BJI	II	12 13 48 13.6–.00	39.28N	25.82E	21	5.4b,5.0s		
MOS	II	12 13 48 14.6–1.0	39.53N	26.15E	11	5.2b,4.6s		
IDC	II	12 13 48 14.5–.37	39.54N	26.06E	0	4.7b,4.6s		
ISK	II	12 13 48 15.2	39.50N	26.12E	13–0	5.2L,4.6s		
PDG	II	12 13 48 16.0–.58	39.51N	26.14E	13–1	5.2L,4.6s		
ATH	II	12 13 48 16.6	39.51N	26.14E	12	5.1W,4.6s		
NEIC	II	12 13 48 16.1–1.1	39.60N–.04	26.09E–.06	6–3	5.3,5.2		
DDA	II	12 13 48 16.4–.00	39.53N	26.17E	7–1	5.3W,5.2		
MED_R	II	12 13 48 16.0–.10	39.51N	26.22E	10	5.3W,5.2		
THE	II	12 13 48 16.3	39.53N	26.14E	8–0	4.9L,5.2		
GCMT	II	12 13 48 17.1–.10	39.47N–.01	26.14E–.01	12	5.3W,5.2		
MCSM	II	12 13 48 17.0–.40	40N–5.0	26E–8.0	5–2	5.3b,5.2		
TIR	II	12 13 48 17.4	39.34N	26.44E	46–97	5.2L,5.2		
BEO	II	12 13 48 18.1–1.2	39.76N	26.20E	0	5.1L,5.2		
NEIC	II	12 13 48 20.8	39.50N	26.35E	12	5.1L,5.2		
CFUSG	II	12 13 48 24.1	40.12N	26.44E	10	4.3b,5.2		
BGS	II	12 13 48 26.3–2.2	40.63N	25.67E	10	5.5b,5.2		
ISC	Event type ke.							
ISC	Event type ke. Hypocentre not reviewed by the ISC.							
GII	Event type ke.							
MOS	Error ellipse: s-maj=4.9km s-min=2.6km az=93.5.							
IDC	Error ellipse: s-maj=7.4km s-min=7.2km az=146.0.							
ISK	Event type ke.							
PDG	Event type ke. Error ellipse: s-maj=0.4km s-min=0.7km az=0.0.							
ATH	Moment Tensor Solution. s11 Moment tensor: M_{rr}-4.76 $M_{\theta\theta}$4.47 $M_{\phi\phi}$0.29 $M_{r\theta}$-1.52 $M_{\theta\phi}$-1.98 $M_{\phi r}$-1.01 NP1:ϕ_s95.00000°,δ53.00000°,λ-111.00000°. NP2:ϕ_s308.00000°,δ42.00000° ,λ-64.00000°.							
NEIC	Event type se. Error ellipse: s-maj=6.9km s-min=6.0km az=221.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-7.30 $M_{\theta\theta}$5.46 $M_{\phi\phi}$1.85 $M_{r\theta}$0.28 $M_{\theta\phi}$-2.83 $M_{\phi r}$-0.19 NP1:ϕ_s118.48000°,δ43.64000°,λ-90.37000°. NP2:ϕ_s299.00000°,δ46.36000° ,λ-89.64000°. Principal axes: T 7.0153,Plg1.0000°,Azm29.0000°; N 0.2969,Plg0.0000° ,Azm119.0000°; P -7.3122,Plg89.0000°,Azm219.0000° $M_0$7.17000$\times 10^{16}$							
MED_R	Error ellipse: s-maj=2.2km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=40s. Moment Tensor Solution. Body waves: s6,c6; Mantle waves: s28,c50;Duration: 1^{s}5 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.96±.02 $M_{\theta\theta}$0.73±.01; $M_{\phi\phi}$0.23±.01; $M_{r\theta}$-0.15±.06; $M_{\theta\phi}$-0.48±.01; $M_{\phi r}$0.11±.07; Best double couple: NP1:ϕ_s122.00000°,δ50.00000°,λ-89.00000°. NP2:ϕ_s300.00000°,δ40.00000°,λ-91.00000°. Principal axes: T 1.0400,Plg5.0000°,Azm211.0000°; N -0.0600,Plg1.0000°,Azm301.0000° ; P -0.9800,Plg85.0000°,Azm41.0000° $M_0$1.01000$\times 10^{17}$							
THE	Event type ke. Error ellipse: s-maj=0.9km s-min=0.3km az=241.0.							
GCMT	nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s101,c153; s149,c266;Duration: 1^{s}1 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.97±.01 $M_{\theta\theta}$0.80±.01; $M_{\phi\phi}$0.17±.01; $M_{r\theta}$-0.05±.04; $M_{\theta\phi}$-0.47±.01; $M_{\phi r}$-0.12±.04; Best double couple: NP1:ϕ_s306.00000°,δ46.00000°,λ-79.00000°. NP2:ϕ_s110.00000°,δ45.00000°,λ-102.00000°. Principal axes: T 1.0540,Plg0.0000° ,Azm28.0000°; N -0.0640,Plg8.0000°,Azm118.0000°; P -0.9910,Plg82.0000°,Azm297.0000° $M_0$1.02300$\times 10^{17}$							
BEO	Event type ke.							
NEIC	Event type se. Moment Tensor Solution.Duration: 2^{s}1 Moment tensor: Scale 10^{16}Nm; M_{rr}-8.58 $M_{\theta\theta}$7.28 $M_{\phi\phi}$1.30 $M_{r\theta}$-2.61 $M_{\theta\phi}$-3.72 $M_{\phi r}$-3.12 NP1:ϕ_s94.69000°,δ52.36000° ,λ-118.05000°. NP2:ϕ_s315.79000°,δ45.67000°,λ-58.63000°. Principal axes: T 9.1294,Plg4.0000°,Azm204.0000°; N 1.1002,Plg22.0000°,Azm113.0000° ; P -10.2296,Plg68.0000°,Azm303.0000° $M_0$9.68000$\times 10^{16}$							
CFUSG	Western Turkey. Magtype MSH 3.5 from 5 stations.							
BGS	Error ellipse: s-maj=219.6km s-min=142.5km az=-1.0.							
ISC	**II**	**12 14 10 27.2–.83**	**39.54N–.01**	**26.12E–.02**	**10–5**		**101**	**0-7**
ISK	II	12 14 10 26.6	39.55N	26.10E	6–0	2.9L		**¶610679684**
DDA	II	12 14 10 27.5–.00	39.55N	26.17E	3–1	3.5W		
ATH	II	12 14 10 27.7	39.53N	26.12E	10–2	3.3L		
THE	II	12 14 10 27.4	39.54N	26.11E	3–1	3.3L		
ISC	Event type ke.							
ISK	Event type ke.							
ATH	Event type ke. Error ellipse: s-maj=2.5km s-min=0.9km az=231.0.							
THE	Event type ke. Error ellipse: s-maj=1.4km s-min=0.4km az=234.0.							
ISC	**II**	**12 14 11 10.6–.92**	**39.53N–.03**	**26.11E–.04**	**9–6**		**28**	**0-5**
DDA	II	12 14 11 10.5–.00	39.52N	26.20E	7–2	2.4L		**¶610916155**
ISK	II	12 14 11 10.3	39.55N	26.08E	2–0	2.7L		
ISC	Event type ke.							
ISK	Event type ke.							
ISC	**II**	**12 14 15 08.3–.89**	**39.55N–.02**	**26.12E–.03**	**7–6**		**47**	**0-3**
ISK	II	12 14 15 07.8	39.55N	26.09E	6–0	2.7L		**¶610916156**
DDA	II	12 14 15 08.3–.00	39.55N	26.14E	5–1	2.6L		
ISC	Event type ke.							
ISK	Event type ke.							
ISC	**II**	**12 14 19 36.9–.85**	**39.54N–.02**	**26.08E–.03**	**10–5**		**80**	**0-3**
DDA	II	12 14 19 36.8–.00	39.52N	26.10E	10–0	3.0L		**¶610679685**
ISK	II	12 14 19 36.5	39.54N	26.06E	6–0	2.7L		
THE	II	12 14 19 37.1	39.54N	26.07E	4–1	2.8L		
ISC	Event type ke.							
ISK	Event type ke.							
THE	Event type ke. Error ellipse: s-maj=1.7km s-min=0.4km az=121.0.							
ISC	**II**	**12 14 36 29.2–.86**	**39.53N–.02**	**26.15E–.03**	**10–6**		**53**	**0-2**
ISK	II	12 14 36 28.8	39.53N	26.15E	6–0	2.9L		**¶610916164**
DDA	II	12 14 36 29.5–.00	39.54N	26.18E	4–1	2.8L		
ISC	Event type ke.							
ISK	Event type ke.							
ISC	**II**	**12 15 34 03.9–.89**	**39.55N–.02**	**26.08E–.02**	**9–7**		**69**	**0-2**
ISK	II	12 15 34 03.4	39.56N	26.07E	6–0	2.9L		**¶610679686**
DDA	II	12 15 34 04.1–.00	39.55N	26.11E	7–3	2.3L		
THE	II	12 15 34 04.1	39.53N	26.12E	12–1	2.6L		
ATH	II	12 15 34 04.4	39.55N	26.08E	8–1	2.7L		
ISC	Event type ke.							
ISK	Event type ke.							
THE	Event type ke. Error ellipse: s-maj=1.8km s-min=0.6km az=102.0.							
ATH	Event type ke. Error ellipse: s-maj=2.6km s-min=0.9km az=257.0.							
ISC	**II**	**12 15 36 56.2–.82**	**39.52N–.01**	**26.17E–.02**	**12–6**		**92**	**0-7**
ISK	II	12 15 36 55.9	39.53N	26.17E	6–0	2.9L		**¶610679687**
DDA	II	12 15 36 56.5–.00	39.54N	26.20E	7–2	3.4W		
THE	II	12 15 36 56.4	39.52N	26.19E	8–1	3.2L		
ATH	II	12 15 36 56.8	39.51N	26.18E	11–3	3.1L		
ISC	Event type ke.							
ISK	Event type ke.							
THE	Event type ke. Error ellipse: s-maj=1.5km s-min=0.6km az=268.0.							
ATH	Event type ke. Error ellipse: s-maj=3.3km s-min=1.1km az=204.0.							
ISC	**II**	**12 15 58 28.7–.89**	**39.54N–.02**	**26.07E–.02**	**9–7**		**73**	**0-2**
DDA	II	12 15 58 28.8–.00	39.54N	26.10E	7–3	2.5L		**¶610679688**
ISK	II	12 15 58 28.1	39.53N	26.05E	7–0	2.8L		
ATH	II	12 15 58 29.2	39.54N	26.07E	6–3	2.4L		
THE	II	12 15 58 29.1	39.54N	26.07E	6–1	2.5L		
ISC	Event type ke.							
ISK	Event type ke.							
ATH	Event type ke. Error ellipse: s-maj=3.4km s-min=0.9km az=228.0.							
THE	Event type ke. Error ellipse: s-maj=1.4km s-min=0.5km az=135.0.							
ISC	**II**	**12 16 01 14.7–.85**	**39.55N–.01**	**26.12E–.02**	**11–6**		**104**	**0-4**
ISK	II	12 16 01 14.3	39.56N	26.14E	4–0	3.0L		**¶610679689**
ATH	II	12 16 01 15.4	39.56N	26.16E	6–2	3.2L		
DDA	II	12 16 01 15.2–.00	39.56N	26.19E	11–2	3.6W		
THE	II	12 16 01 15.3	39.55N	26.15E	5–1	3.2L		
ISC	Event type ke.							
ISK	Event type ke.							
ATH	Event type ke. Error ellipse: s-maj=3.0km s-min=0.8km az=245.0.							
THE	Event type ke. Error ellipse: s-maj=1.5km s-min=0.5km az=266.0.							
ISC	**II**	**12 16 13 04.5–.83**	**39.52N–.02**	**26.15E–.02**	**10–6**		**66**	**0-2**
ISK	II	12 16 13 03.9	39.52N	26.14E	11–0	2.8L		**¶610679690**
THE	II	12 16 13 04.6	39.51N	26.15E	6–1	2.4L		
DDA	II	12 16 13 04.8–.00	39.54N	26.18E	7–2	2.4L		
ATH	II	12 16 13 05.1	39.51N	26.11E	11–1	2.5L		
ISC	Event type ke.							
ISK	Event type ke.							
THE	Event type ke. Error ellipse: s-maj=1.3km s-min=0.5km az=258.0.							
ATH	Event type ke. Error ellipse: s-maj=2.6km s-min=0.9km az=88.0.							
ISC	**II**	**12 17 01 54.1–.90**	**39.54N–.02**	**26.12E–.02**	**9–5**		**67**	**0-2**
ISK	II	12 17 01 53.5	39.54N	26.12E	7–0	2.9L		**¶610916203**
DDA	II	12 17 01 54.2–.00	39.54N	26.16E	5–1	2.6L		
ATH	II	12 17 01 54.4	39.55N	26.10E	6–3	2.7L		
ISC	Event type ke.							
ISK	Event type ke.							
ATH	Event type ke. Error ellipse: s-maj=3.4km s-min=0.9km az=234.0.							
ISC	**II**	**12 17 07 30.6–.84**	**39.54N–.02**	**26.12E–.02**	**9–6**		**79**	**0-3**
ISK	II	12 17 07 29.9	39.54N	26.12E	8–0	2.9L		**¶610679691**
DDA	II	12 17 07 30.6–.00	39.55N	26.16E	4–1	2.9L		
THE	II	12 17 07 30.7	39.53N	26.12E	8–1	3.1L		
ATH	II	12 17 07 31.2	39.53N	26.13E	12–2	3.0L		
ISC	Event type ke.							
ISK	Event type ke.							
THE	Event type ke. Error ellipse: s-maj=1.4km s-min=0.5km az=254.0.							
ATH	Event type ke. Error ellipse: s-maj=2.8km s-min=0.9km az=174.0.							
ISC	**II**	**12 17 25 35.3–.88**	**39.53N–.02**	**26.15E–.04**	**9–6**		**40**	**0-2**
ISK	II	12 17 25 34.9	39.53N	26.15E	10–0	2.5L		**¶610916205**
DDA	II	12 17 25 35.6–.00	39.54N	26.16E	3–2	1.9L		
ISC	Event type ke.							
ISK	Event type ke.							
ISC	**II**	**12 17 36 37.5–.92**	**39.54N–.02**	**26.08E–.03**	**11–6**		**39**	**0-2**
ISK	II	12 17 36 36.9	39.54N	26.06E	8–0	2.5L		**¶610916207**
DDA	II	12 17 36 38.0–.00	39.56N	26.12E	5–1	1.9L		
ISC	Event type ke.							
ISK	Event type ke.							
ISC	**II**	**12 17 42 53.1–.93**	**39.54N–.02**	**26.08E–.04**	**9–6**		**38**	**0-2**
ISK	II	12 17 42 52.5	39.54N	26.06E	6–0	2.5L		**¶610916208**
DDA	II	12 17 42 53.6–.00	39.55N	26.12E	3–2	1.9L		
ISC	Event type ke.							
ISK	Event type ke.							
ISC	**II**	**12 18 31 07.5–.88**	**39.55N–.02**	**26.12E–.03**	**14–6**		**41**	**0-2**
ISK	II	12 18 31 06.5	39.56N	26.08E	5–0	2.5L		**¶610916214**
DDA	II	12 18 31 07.2–.00	39.54N	26.15E	7–2	2.0L		
ISC	Event type ke.							
ISK	Event type ke.							
ISC	**II**	**12 18 51 00.9–.81**	**39.54N–.01**	**26.16E–.02**	**9–5**		**163**	**0-8**
DDA	II	12 18 51 00.8–.00	39.53N	26.21E	3–1	3.5W		**¶610679692**
ATH	II	12 18 51 01.0	39.54N	26.20E	10–1	3.2L		
ISK	II	12 18 51 00.2	39.54N	26.17E	8–0	3.5L		
THE	II	12 18 51 01.0	39.54N	26.17E	6–0	3.3L		
SOF	II	12 18 51 03.0	39.82N	26.04E	2	3.0		
BEO	II	12 18 51 04.7–1.5	39.78N	25.92E	0	3.0L		
ISC	Event type ke.							
ATH	Event type ke. Error ellipse: s-maj=2.4km s-min=0.8km az=258.0.							
ISK	Event type ke.							
THE	Event type ke. Error ellipse: s-maj=1.1km s-min=0.4km az=256.0.							
BEO	Event type ke.							

ISC	**II**	**12 19 50 57.7–.79**	**39.47N–.01**	**26.11E–.02**	**15–5**		**95**	**0-2**
DDA	II	12 19 50 57.7–.00	39.48N	26.13E	7–2	2.7L	**¶610679694**	
ISK	II	12 19 50 57.5	39.49N	26.10E	12–0	3.0L		
THE	II	12 19 50 58.1	39.42N	26.12E	20–0	2.8L		
ATH	II	12 19 50 58.1	39.47N	26.13E	14–1	2.8L		
ISC	Event type ke.							
ISK	Event type ke.							
THE	Event type ke. Error ellipse: s-maj=1.3km s-min=0.6km az=251.0.							
ATH	Event type ke. Error ellipse: s-maj=2.2km s-min=0.8km az=95.0.							
ISC	**II**	**12 21 01 52.7–.83**	**39.53N–.02**	**26.14E–.03**	**9–5**		**63**	**0-2**
THE	II	12 21 01 52.8	39.52N	26.16E	9–1	2.5L	**¶610679695**	
DDA	II	12 21 01 52.6–.00	39.53N	26.17E	6–1	2.1L		
ISK	II	12 21 01 52.1	39.54N	26.13E	6–0	2.7L		
ATH	II	12 21 01 53.0	39.53N	26.15E	8–3	2.4L		
ISC	Event type ke.							
THE	Event type ke. Error ellipse: s-maj=2.0km s-min=0.6km az=102.0.							
ISK	Event type ke.							
ATH	Event type ke. Error ellipse: s-maj=3.4km s-min=1.0km az=240.0.							
ISC	**II**	**12 21 14 30.0–.92**	**39.53N–.02**	**26.12E–.03**	**10–5**		**56**	**0-2**
ISK	II	12 21 14 29.4	39.54N	26.12E	6–0	2.5L	**¶610679696**	
THE	II	12 21 14 30.0	39.51N	26.14E	6–1	1.9L		
DDA	II	12 21 14 30.1–.00	39.54N	26.16E	7–1	1.8L		
ATH	II	12 21 14 30.3	39.51N	26.10E	13–2	2.1L		
ISC	Event type ke.							
ISK	Event type ke.							
THE	Event type ke. Error ellipse: s-maj=1.4km s-min=0.4km az=127.0.							
ATH	Event type ke. Error ellipse: s-maj=3.1km s-min=1.0km az=167.0.							
ISC	**II**	**12 22 03 37.2–.79**	**39.53N–.01**	**26.08E–.02**	**12–5**		**142**	**0-9**
ISK	II	12 22 03 36.6	39.54N	26.06E	10–0	3.3L	**¶610679697**	
DDA	II	12 22 03 37.4–.00	39.55N	26.11E	10–0	3.6W		
THE	II	12 22 03 37.3	39.55N	26.05E	3–1	3.5L		
ATH	II	12 22 03 37.5	39.53N	26.06E	12–1	3.3L		
BEO	II	12 22 03 37.1–1.4	39.63N	26.24E	0	3.3L		
ISC	Event type ke.							
ISK	Event type ke.							
THE	Event type ke. Error ellipse: s-maj=1.0km s-min=0.3km az=188.0.							
ATH	Event type ke. Error ellipse: s-maj=1.8km s-min=0.7km az=82.0.							
BEO	Event type ke.							
ISC	**II**	**12 22 34 22.3–.94**	**39.55N–.02**	**26.09E–.04**	**10–6**		**41**	**0-2**
ISK	II	12 22 34 21.7	39.55N	26.07E	7–0	2.5L	**¶610916245**	
DDA	II	12 22 34 22.4–.00	39.56N	26.13E	7–1	1.9L		
ISC	Event type ke.							
ISK	Event type ke.							
ISC	**II**	**12 23 58 37.7–.79**	**39.56N–.01**	**26.11E–.02**	**9–5**	**3.4b**	**150**	**0-34**
SOF	II	12 23 58 33.6	39.47N	26.38E	2	3.5	**¶610415406**	
IDC	II	12 23 58 36.7–1.7	39.54N	26.08E	0	3.5,3.5b		
DDA	II	12 23 58 37.6–.00	39.56N	26.15E	4–1	3.7W,3.5b		
THE	II	12 23 58 37.7	39.56N	26.11E	4–1	3.6L,3.5b		
ISK	II	12 23 58 37.0	39.56N	26.12E	7–0	3.5L,3.5b		
ATH	II	12 23 58 38.1	39.54N	26.11E	11–1	3.4L,3.5b		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=39.0km s-min=22.4km az=167.0.							
THE	Event type ke. Error ellipse: s-maj=1.1km s-min=0.4km az=257.0.							
ISK	Event type ke.							
ATH	Event type ke. Error ellipse: s-maj=2.2km s-min=0.8km az=84.0.							
ISC	**II**	**13 00 36 08.1–.87**	**39.55N–.02**	**26.10E–.02**	**9–5**		**91**	**0-7**
THE	II	13 00 36 07.9	39.55N	26.09E	7–5	2.9L	**¶610679699**	
ISK	II	13 00 36 07.5	39.56N	26.09E	6–0	2.8L		
DDA	II	13 00 36 08.1–.00	39.55N	26.14E	5–0	2.7L		
ATH	II	13 00 36 08.3	39.55N	26.09E	9–1	2.8L		
ISC	Event type ke.							
THE	Event type ke. Error ellipse: s-maj=5.6km s-min=0.4km az=167.0.							
ISK	Event type ke.							
ATH	Event type ke. Error ellipse: s-maj=2.2km s-min=0.8km az=256.0.							
ISC	**II**	**13 01 47 20.2–.87**	**39.55N–.02**	**26.08E–.02**	**11–6**		**66**	**0-2**
ISK	II	13 01 47 19.8	39.55N	26.07E	6–0	2.6L	**¶610679703**	
ATH	II	13 01 47 20.5	39.54N	26.08E	6–2	2.3L		
DDA	II	13 01 47 20.3–.00	39.55N	26.11E	7–3	2.0L		
THE	II	13 01 47 20.5	39.53N	26.08E	8–1	2.4L		
ISC	Event type ke.							
ISK	Event type ke.							
ATH	Event type ke. Error ellipse: s-maj=3.0km s-min=0.8km az=241.0.							
THE	Event type ke. Error ellipse: s-maj=1.5km s-min=0.4km az=89.0.							
ISC	**II**	**13 03 58 45.5–.87**	**39.50N–.02**	**26.04E–.02**	**10–6**		**74**	**0-2**
ATH	II	13 03 58 45.9	39.49N	26.06E	10–1	2.3L	**¶610679709**	
ISK	II	13 03 58 45.2	39.51N	26.04E	6–0	2.6L		
DDA	II	13 03 58 46.1–.00	39.53N	26.09E	7–1	2.2L		
THE	II	13 03 58 46.0	39.47N	26.08E	11–2	2.5L		
ISC	Event type ke.							
ATH	Event type ke. Error ellipse: s-maj=2.2km s-min=0.8km az=241.0.							
ISK	Event type ke.							
THE	Event type ke. Error ellipse: s-maj=2.2km s-min=1.0km az=83.0.							
ISC	**II**	**13 04 39 09.6–.85**	**39.54N–.01**	**26.07E–.02**	**10–6**		**159**	**0-8**
DDA	II	13 04 39 09.5–.00	39.53N	26.10E	8–2	3.1L	**¶610679711**	
THE	II	13 04 39 09.9	39.53N	26.06E	3–6	3.1L		
ISK	II	13 04 39 09.0	39.55N	26.05E	6–0	3.4L		
ATH	II	13 04 39 10.0	39.54N	26.07E	4–1	3.1L		
SOF	II	13 04 39 10.3	39.54N	25.84E	20	3.3		
BEO	II	13 04 39 11.5–1.4	39.87N	26.27E	0	3.0L		
ISC	Event type ke.							
THE	Event type ke. Error ellipse: s-maj=6.3km s-min=0.5km az=256.0.							
ISK	Event type ke.							
ATH	Event type ke. Error ellipse: s-maj=2.1km s-min=0.6km az=130.0.							
BEO	Event type ke.							
ISC	**II**	**13 05 14 05.3–.78**	**39.52N–.02**	**26.16E–.02**	**12–5**		**157**	**0-8**
SOF	II	13 05 14 03.8	39.51N	26.14E	8	3.2	**¶610679713**	
ISK	II	13 05 14 04.9	39.53N	26.18E	9–0	3.3L		
ATH	II	13 05 14 05.9	39.53N	26.16E	8–1	3.4L		
THE	II	13 05 14 05.8	39.52N	26.16E	8–1	3.2L		
DDA	II	13 05 14 05.4–.00	39.53N	26.20E	8–0	3.5W		
BEO	II	13 05 14 09.5–1.6	39.83N	25.97E	0	3.2L		
ISC	Event type ke.							
ISK	Event type ke.							
ATH	Event type ke. Error ellipse: s-maj=2.1km s-min=0.6km az=127.0.							
THE	Event type ke. Error ellipse: s-maj=1.2km s-min=0.4km az=164.0.							
BEO	Event type ke.							
ISC	**II**	**13 07 19 16.4–.76**	**39.53N–.01**	**26.13E–.02**	**10–5**		**90**	**0-3**
DDA	II	13 07 19 16.4–.00	39.54N	26.17E	6–0	2.8L	**¶610679716**	
ATH	II	13 07 19 16.9	39.52N	26.14E	12–1	2.6L		
ISK	II	13 07 19 16.2	39.54N	26.11E	6–0	2.8L		
THE	II	13 07 19 17.1	39.50N	26.14E	13–1	2.6L		
ISC	Event type ke.							
ATH	Event type ke. Error ellipse: s-maj=2.3km s-min=1.0km az=230.0.							
ISK	Event type ke.							
THE	Event type ke. Error ellipse: s-maj=1.2km s-min=0.5km az=179.0.							
ISC	**II**	**13 07 32 00.4–.84**	**39.52N–.02**	**26.17E–.03**	**7–6**		**48**	**0-2**
ISK	II	13 07 31 59.9	39.52N	26.17E	7–0	2.5L	**¶610916290**	
DDA	II	13 07 32 00.2–.00	39.54N	26.19E	4–2	2.0L		
ISC	Event type ke.							
ISK	Event type ke.							
ISC	**II**	**13 08 45 18.1–.84**	**39.54N–.01**	**26.02E–.03**	**11–6**		**88**	**0-2**
DDA	II	13 08 45 18.4–.00	39.54N	26.09E	9–1	2.4L	**¶610679719**	
ATH	II	13 08 45 18.9	39.54N	26.05E	10–1	2.4L		
ISK	II	13 08 45 18.1	39.55N	26.07E	5–0	2.8L		
THE	II	13 08 45 18.7	39.53N	26.06E	13–1	2.4L		
ISC	Event type ke.							
ATH	Event type ke. Error ellipse: s-maj=2.2km s-min=0.8km az=81.0.							
ISK	Event type ke.							
THE	Event type ke. Error ellipse: s-maj=1.2km s-min=0.3km az=173.0.							
ISC	**II**	**13 09 23 07.9–.91**	**39.53N–.03**	**26.10E–.03**	**10–6**		**40**	**0-2**
DDA	II	13 09 23 07.8–.00	39.52N	26.12E	10–1	2.3L	**¶610916297**	
ISK	II	13 09 23 07.3	39.53N	26.07E	5–0	2.6L		
ISC	Event type ke.							
ISK	Event type ke.							
ISC	**II**	**13 10 27 21.7–.87**	**39.56N–.02**	**26.08E–.02**	**8–6**		**72**	**0-2**
ISK	II	13 10 27 21.9	39.57N	26.10E	5–0	2.6L	**¶610679721**	
DDA	II	13 10 27 21.7–.00	39.56N	26.11E	5–1	2.2L		
ATH	II	13 10 27 22.4	39.56N	26.07E	12–2	2.4L		
THE	II	13 10 27 22.2	39.56N	26.09E	14–1	2.3L		
ISC	Event type ke.							
ISK	Event type ke.							
ATH	Event type ke. Error ellipse: s-maj=3.1km s-min=1.1km az=98.0.							
THE	Event type ke. Error ellipse: s-maj=1.9km s-min=0.4km az=174.0.							
ISC	**II**	**13 14 11 04.1–1.1**	**39.56N–.03**	**26.12E–.04**	**11–10**		**27**	**0-1**
ISK	II	13 14 11 04.2	39.57N	26.08E	14–0	1.5L	**¶610916316**	
DDA	II	13 14 11 05.0–.00	39.54N	26.21E	7–3	1.5L		
ISC	Event type ke.							
ISK	Event type ke.							
ISC	**II**	**13 14 33 28.6–.80**	**39.55N–.01**	**26.09E–.02**	**12–5**		**93**	**0-2**
THE	II	13 14 33 28.9	39.54N	26.03E	6–1	2.6L	**¶610679725**	
ISK	II	13 14 33 28.5	39.55N	26.06E	6–0	2.9L		
DDA	II	13 14 33 29.2–.00	39.57N	26.12E	2–1	2.6L		
ATH	II	13 14 33 29.1	39.55N	26.09E	9–2	2.6L		
ISC	Event type ke.							
THE	Event type ke. Error ellipse: s-maj=2.1km s-min=0.6km az=118.0.							
ISK	Event type ke.							
ATH	Event type ke. Error ellipse: s-maj=2.3km s-min=0.9km az=171.0.							
ISC	**II**	**13 15 08 12.9–.88**	**39.54N–.02**	**26.10E–.03**	**10–5**		**42**	**0-2**
DDA	II	13 15 08 12.8–.00	39.53N	26.12E	10–0	2.0L	**¶610916323**	
ISK	II	13 15 08 12.4	39.54N	26.07E	6–0	2.6L		
ISC	Event type ke.							
ISK	Event type ke.							
ISC	**II**	**13 20 48 41.5–.85**	**39.56N–.02**	**26.13E–.02**	**9–6**		**78**	**0-2**
ATH	II	13 20 48 41.7	39.55N	26.13E	9–1	2.3L	**¶610679732**	
DDA	II	13 20 48 41.9–.00	39.55N	26.15E	4–0	2.2L		
ISK	II	13 20 48 41.0	39.57N	26.11E	6–0	2.6L		
THE	II	13 20 48 41.5	39.56N	26.11E	2–1	2.1L		
ISC	Event type ke.							
ATH	Event type ke. Error ellipse: s-maj=2.5km s-min=0.8km az=259.0.							
ISK	Event type ke.							
THE	Event type ke. Error ellipse: s-maj=1.2km s-min=0.3km az=138.0.							
ISC	**II**	**13 20 59 42.0–.82**	**39.51N–.02**	**26.05E–.02**	**11–5**		**76**	**0-2**
ISK	II	13 20 59 41.8	39.52N	26.07E	7–0	2.6L	**¶610679733**	
DDA	II	13 20 59 42.5–.00	39.52N	26.11E	10–0	2.5L		
ATH	II	13 20 59 42.6	39.51N	26.04E	12–1	2.5L		
THE	II	13 20 59 42.4	39.51N	26.04E	3–1	2.0L		
ISC	Event type ke.							
ISK	Event type ke.							
ATH	Event type ke. Error ellipse: s-maj=2.4km s-min=0.9km az=99.0.							
THE	Event type ke. Error ellipse: s-maj=1.5km s-min=0.3km az=129.0.							
ISC	**II**	**13 22 05 04.3–.83**	**39.53N–.02**	**26.14E–.02**	**9–5**		**72**	**0-2**
ISK	II	13 22 05 03.4	39.55N	26.07E	6–0	2.6L	**¶610679735**	
THE	II	13 22 05 04.3	39.52N	26.13E	1–2	2.1L		
ATH	II	13 22 05 04.8	39.51N	26.14E	10–2	2.1L		
DDA	II	13 22 05 04.1–.00	39.53N	26.18E	6–0	2.3L		
ISC	Event type ke.							
ISK	Event type ke.							
THE	Event type ke. Error ellipse: s-maj=2.0km s-min=0.5km az=101.0.							
ATH	Event type ke. Error ellipse: s-maj=3.0km s-min=0.9km az=158.0.							
ISK	**II**	**13 23 47 56.6**	**39.54N**	**26.10E**	**16–0**	**2.4L**		
DDA	II	13 23 47 56.1–.00	39.62N	26.29E	7–3	2.5L	**¶610916368**	
ISK	Event type ke.							
ISC	**II**	**14 00 34 07.1–.89**	**39.58N–.02**	**26.02E–.03**	**9–7**		**62**	**0-2**
ISK	II	14 00 34 06.3	39.58N	26.01E	3–0	2.5L	**¶610679739**	
DDA	II	14 00 34 07.2–.00	39.58N	26.08E	7–2	2.2L		
ATH	II	14 00 34 07.3	39.57N	26.01E	9–2	2.2L		
THE	II	14 00 34 07.7	39.58N	26.01E	5–1	2.6L		
ISC	Event type ke.							
ISK	Event type ke.							
ATH	Event type ke. Error ellipse: s-maj=2.5km s-min=0.9km az=228.0.							
THE	Event type ke. Error ellipse: s-maj=2.2km s-min=0.9km az=75.0.							
ISC	**II**	**14 02 51 01.9–.82**	**39.52N–.02**	**26.09E–.02**	**10–5**		**82**	**0-2**
DDA	II	14 02 51 01.7–.00	39.51N	26.13E	10–0	2.5L	**¶612619551**	
ISK	II	14 02 51 01.3	39.51N	26.08E	6–0	2.6L		
ATH	II	14 02 51 02.0	39.52N	26.06E	6–3	2.5L		
THE	II	14 02 51 02.4	39.52N	26.05E	5–1	2.6L		
ISC	Event type ke.							
ISK	Event type ke.							
ATH	Event type ke. Error ellipse: s-maj=3.9km s-min=1.0km az=192.0.							
THE	Event type ke. Error ellipse: s-maj=1.5km s-min=0.5km az=89.0.							
ISC	**II**	**14 03 03 06.9–.88**	**39.57N–.02**	**26.14E–.02**	**6–7**		**72**	**0-3**
DDA	II	14 03 03 06.6–.00	39.56N	26.14E	5–1	2.3L	**¶610679744**	
ISK	II	14 03 03 06.2	39.56N	26.10E	6–0	2.5L		
ATH	II	14 03 03 07.2	39.58N	26.13E	5–4	2.4L		
THE	II	14 03 03 08.3	39.56N	26.29E	10–31	2.5L		
ISC	Event type ke.							
ISK	Event type ke.							
ATH	Event type ke. Error ellipse: s-maj=4.5km s-min=1.0km az=242.0.							
THE	Event type ke. Error ellipse: s-maj=31.6km s-min=0.7km az=0.0.							
ISC	**II**	**14 03 10 20.2–.83**	**39.53N–.02**	**26.06E–.03**	**12–5**		**65**	**0-2**
ISK	II	14 03 10 19.7	39.52N	26.09E	5–0	2.5L	**¶610679745**	
THE	II	14 03 10 20.4	39.54N	26.09E	12–1	2.2L		
ATH	II	14 03 10 20.4	39.55N	26.06E	6–3	2.0L		
DDA	II	14 03 10 20.8–.00	39.57N	26.11E	8–1	2.0L		
ISC	Event type ke.							
ISK	Event type ke.							
THE	Event type ke. Error ellipse: s-maj=1.7km s-min=0.5km az=77.0.							
ATH	Event type ke. Error ellipse: s-maj=3.5km s-min=0.8km az=236.0.							
ISC	**II**	**14 03 57 45.3–.85**	**39.53N–.02**	**26.08E–.03**	**13–5**		**68**	**0-2**
ISK	II	14 03 57 44.6	39.53N	26.10E	6–0	2.5L	**¶610679746**	
THE	II	14 03 57 45.5	39.52N	26.04E	11–1	2.3L		
DDA	II	14 03 57 45.8–.00	39.57N	26.13E	7–1	2.3L		
ATH	II	14 03 57 45.1	39.54N	26.08E	7–4	2.2L		
ISC	Event type ke.							
ISK	Event type ke.							
THE	Event type ke. Error ellipse: s-maj=2.2km s-min=0.7km az=84.0.							
ATH	Event type ke. Error ellipse: s-maj=4.4km s-min=1.0km az=228.0.							
ISC	**II**	**14 08 38 28.6–.91**	**39.51N–.02**	**26.08E–.03**	**13–5**		**53**	**0-2**
DDA	II	14 08 38 28.0–.00	39.48N	26.09E	7–3	2.5L	**¶610916414**	
ISK	II	14 08 38 28.3	39.52N	26.05E	9–0	2.6L		
ISC	Event type ke.							
ISK	Event type ke.							
ISC	**II**	**14 10 05 18.9–.82**	**39.52N–.02**	**26.12E–.03**	**11–5**		**64**	**0-2**
ISK	II	14 10 05 18.5	39.53N	26.08E	5–0	2.5L	**¶610916427**	
DDA	II	14 10 05 19.0–.00	39.53N	26.16E	9–0	2.1L		
ATH	II	14 10 05 19.1	39.51N	26.13E	10–1	2.2L		
ISC	Event type ke.							
ISK	Event type ke.							
ATH	Event type ke. Error ellipse: s-maj=2.1km s-min=0.8km az=100.0.							
ISC	**II**	**14 11 07 23.8–.81**	**39.50N–.02**	**26.06E–.02**	**12–5**		**86**	**0-2**
ISK	II	14 11 07 23.6	39.51N	26.06E	9–0	3.2L	**¶610679756**	
THE	II	14 11 07 24.4	39.48N	26.09E	14–1	3.0L		
ATH	II	14 11 07 24.3	39.49N	26.05E	13–2	2.8L		
DDA	II	14 11 07 24.7–.00	39.53N	26.13E	8–1	3.1L		
ISC	Event type ke.							
ISK	Event type ke.							
THE	Event type ke. Error ellipse: s-maj=2.4km s-min=0.8km az=79.0.							
ATH	Event type ke. Error ellipse: s-maj=2.2km s-min=0.9km az=134.0.							
ISC	**II**	**14 11 10 36.9–.91**	**39.52N–.02**	**26.08E–.03**	**10–6**		**44**	**0-2**
ISK	II	14 11 10 36.2	39.51N	26.06E	6–0	2.6L	**¶610916430**	
DDA	II	14 11 10 37.1–.00	39.52N	26.13E	9–1	2.2L		
ISC	Event type ke.							

ISK Event type ke.
ISC II 14 15 59 07.5–.85 39.54N–.02 26.12E–.03 10–6 55 0-2
DDA II 14 15 59 07.5–.00 39.55N 26.16E 7–1 1.9L **¶610679763**
ISK II 14 15 59 07.1 39.54N 26.11E 6–0 2.5L
THE II 14 15 59 07.9 39.53N 26.13E 13–0 2.0L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.5km az=101.0.
ISC II 14 21 58 29.3–.84 39.54N–.02 26.18E–.02 9–6 73 0-2
ISK II 14 21 58 28.9 39.54N 26.18E 7–0 2.5L **¶610679768**
THE II 14 21 58 29.6 39.54N 26.17E 9–1 2.1L
DDA II 14 21 58 29.2–.00 39.55N 26.19E 7–2 2.3L
ATH II 14 21 58 29.8 39.53N 26.17E 11–2 2.1L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.5km az=97.0.
ATH Event type ke. Error ellipse: s-maj=3.3km s-min=1.1km az=255.0.
ISC II 14 22 18 59.0–.82 39.54N–.01 26.08E–.02 13–6 121 0-7
BEO II 14 22 18 56.8–5.2 39.05N 26.43E 85–5 2.9L **¶610679769**
ISK II 14 22 18 58.7 39.56N 26.08E 7–0 3.2L
DDA II 14 22 18 58.9–.00 39.55N 26.09E 23–2 3.2L
ATH II 14 22 18 59.7 39.53N 26.06E 14–1 3.1L
THE II 14 22 18 59.5 39.55N 26.07E 10–0 3.1L
ISC Event type ke.
BEO Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.2km s-min=0.8km az=96.0.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.5km az=91.0.
ISC II 14 23 25 46.2–.86 39.56N–.01 26.13E–.02 10–6 78 0-2
ISK II 14 23 25 45.8 39.55N 26.15E 6–0 2.6L **¶610679771**
DDA II 14 23 25 46.2–.00 39.55N 26.16E 7–2 2.2L
ATH II 14 23 25 46.8 39.55N 26.10E 11–2 2.2L
THE II 14 23 25 46.4 39.55N 26.14E 8–1 2.1L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.4km s-min=0.9km az=183.0.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.5km az=268.0.
ISC II 15 00 45 21.9–.88 39.62N–.01 26.06E–.02 10–7 85 0-2
DDA II 15 00 45 21.2–.00 39.60N 26.07E 7–3 2.4L **¶610679775**
ISK II 15 00 45 21.4 39.62N 26.08E 7–0 2.6L
THE II 15 00 45 22.2 39.62N 26.06E 3–2 2.4L
ATH II 15 00 45 22.2 39.61N 26.04E 8–1 2.1L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=2.0km s-min=0.5km az=291.0.
ATH Event type ke. Error ellipse: s-maj=2.4km s-min=0.8km az=257.0.
ISC II 15 01 06 18.6–.82 39.55N–.02 26.09E–.02 16–5 75 0-2
ISK II 15 01 06 18.8 39.56N 26.06E 7–0 2.5L **¶610679777**
ATH II 15 01 06 19.6 39.54N 26.05E 12–1 2.4L
THE II 15 01 06 19.6 39.55N 26.08E 10–1 2.2L
DDA II 15 01 06 19.2–.00 39.53N 26.12E 13–1 2.5L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.2km s-min=0.8km az=91.0.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.6km az=89.0.
ISC II 15 01 41 45.9–1.2 36.01N–.05 31.18E–.03 24–16 31 1-3
ISK II 15 01 41 42.7 35.92N 31.17E 11–0 2.7L **¶610209195**
NIC II 15 01 41 46.3–.00 36.05N 31.15E 18–4 2.9L
ISC Event type ke.
ISK Event type ke.
NIC Event type ke.
ISC II 15 02 12 38.4–.86 39.56N–.01 26.04E–.03 12–6 79 0-2
ISK II 15 02 12 38.7 39.56N 26.08E 8–0 2.5L **¶610679779**
ATH II 15 02 12 39.6 39.55N 26.07E 12–1 2.3L
DDA II 15 02 12 39.2–.00 39.56N 26.13E 8–1 2.5L
THE II 15 02 12 39.4 39.56N 26.07E 5–1 2.4L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.2km s-min=0.8km az=90.0.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.4km az=125.0.
ISC II 15 07 41 54.4–.81 39.53N–.01 26.07E–.02 10–5 102 0-3
DDA II 15 07 41 54.7–.00 39.55N 26.14E 6–1 2.7L **¶610679789**
ISK II 15 07 41 54.3 39.54N 26.10E 6–0 2.9L
THE II 15 07 41 54.8 39.55N 26.08E 2–4 2.7L
ATH II 15 07 41 55.1 39.54N 26.10E 10–1 2.8L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=4.3km s-min=0.6km az=115.0.
ATH Event type ke. Error ellipse: s-maj=2.2km s-min=0.8km az=259.0.
ISC II 15 08 47 15.7–.85 39.54N–.02 26.18E–.02 8–6 69 0-2
THE II 15 08 47 15.8 39.53N 26.17E 6–1 2.2L **¶610679790**
ISK II 15 08 47 15.1 39.53N 26.17E 8–0 2.5L
DDA II 15 08 47 15.4–.00 39.54N 26.21E 4–1 2.1L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.6km az=125.0.
ISK Event type ke.
ISC II 15 12 38 52.3–.83 39.55N–.02 26.07E–.02 10–6 79 0-2
ISK II 15 12 38 51.6 39.56N 26.07E 3–0 2.7L **¶610679798**
ATH II 15 12 38 52.9 39.54N 26.07E 11–2 2.4L
DDA II 15 12 38 52.5–.00 39.56N 26.13E 7–1 2.4L
THE II 15 12 38 52.4 39.55N 26.06E 10–1 2.4L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.4km s-min=0.9km az=255.0.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.7km az=96.0.
ISC II 15 13 05 51.9–.77 39.50N–.01 26.14E–.02 11–4 125 0-6
BEO II 15 13 05 48.6–2.4 38.69N 26.07E 67–8 3.0L **¶610679799**
ISK II 15 13 05 51.5 39.52N 26.15E 8–0 3.3L
THE II 15 13 05 51.6 39.51N 26.18E 0–1 3.3L
ATH II 15 13 05 52.6 39.50N 26.13E 12–1 3.1L
DDA II 15 13 05 52.2–.00 39.52N 26.19E 6–1 3.5W
ISC Event type ke.
BEO Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=2.0km s-min=0.6km az=96.0.
ATH Event type ke. Error ellipse: s-maj=2.3km s-min=0.9km az=104.0.
ISC II 15 14 49 26.8–.84 39.53N–.02 26.18E–.03 8–6 49 0-2
DDA II 15 14 49 26.7–.00 39.53N 26.20E 4–1 2.2L **¶610916646**
ISK II 15 14 49 26.3 39.53N 26.17E 6–0 2.6L
ISC Event type ke.
ISK Event type ke.
ISC II 15 20 39 31.4–.85 39.55N–.02 26.16E–.03 7–6 55 0-2
ISK II 15 20 39 30.5 39.56N 26.13E 2–0 2.5L **¶610916687**
DDA II 15 20 39 31.1–.00 39.55N 26.18E 4–1 2.0L
ATH II 15 20 39 31.9 39.54N 26.16E 8–1 2.0L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.9km s-min=1.0km az=259.0.
ISC II 15 20 49 50.5–.77 39.49N–.01 26.19E–.02 13–4 130 0-8
ISK II 15 20 49 49.9 39.50N 26.18E 13–0 3.4L **¶610679810**
DDA II 15 20 49 50.5–.00 39.49N 26.21E 10–0 3.5W
THE II 15 20 49 50.6 39.49N 26.16E 10–1 3.5L
ATH II 15 20 49 51.1 39.48N 26.16E 10–1 3.3L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.6km az=265.0.
ATH Event type ke. Error ellipse: s-maj=1.7km s-min=0.7km az=91.0.
DDA II 15 22 28 24.7–.00 36.95N 29.49E 7–3 1.4L
¶612619593

ISC II 15 23 33 18.7–.85 39.55N–.02 26.08E–.02 11–6 71 0-2
DDA II 15 23 33 18.9–.00 39.55N 26.10E 7–2 2.4L **¶610679813**
THE II 15 23 33 18.9 39.56N 26.05E 9–2 2.4L
ISK II 15 23 33 18.3 39.55N 26.09E 7–0 2.7L
ATH II 15 23 33 19.4 39.54N 26.07E 9–2 2.6L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=2.6km s-min=0.8km az=110.0.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.4km s-min=1.1km az=247.0.
ISC II 16 00 19 00.4–.60 39.52N–.01 26.09E–.02 11–3 4.5b,3.6s 795 0-118
BJI II 16 00 18 57.2–.00 39.69N 25.50E 23 4.9b,4.4b **¶610216933**
IDC II 16 00 18 58.2–.43 39.44N 26.05E 0 4.2,4.2b
ISK II 16 00 18 59.9 39.52N 26.06E 14–0 4.3L,4.2b
PDG II 16 00 18 59.9–.47 39.48N 26.07E 18–0 4.8L,4.2b
MOS II 16 00 18 59.4–.87 39.50N 26.06E 16 4.6b,4.1s
MCSM II 16 00 19 00.3–.30 40N–2.0 26E–3.0 10–2 4.7b,4.1s
ATH II 16 00 19 00.7 39.52N 26.07E 11 4.5W,4.1s
NEIC II 16 00 19 00.2–1.8 39.54N–.04 26.12E–.06 7–4 4.6b,4.5
MED_R II 16 00 19 00.0–.20 39.51N 26.18E 11–1 4.6W,4.5
DDA II 16 00 19 00.7–.00 39.52N 26.09E 12–0 4.6W,4.5
THE II 16 00 19 00.5 39.51N 26.07E 12–0 4.4L,4.5
SOF II 16 00 19 01.8 39.77N 26.02E 6 4.6,4.5
GCMT II 16 00 19 02.2–.40 39.51N–.02 25.88E–.05 18–1 4.9W,4.5
BEO II 16 00 19 03.9–1.0 39.80N 25.93E 0 4.5L,4.5
GII II 16 00 19 06.1–.00 39.15N 26.36E 20 4.5L,4.5
CFUSG II 16 00 19 10.6 40.16N 26.38E 33 3.3b,4.5
ISC Event type ke.
IDC Error ellipse: s-maj=9.0km s-min=8.5km az=130.0.
ISK Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.3km s-min=0.5km az=0.0.
MOS Error ellipse: s-maj=4.8km s-min=2.8km az=93.9.
ATH Moment Tensor Solution. s10 Moment tensor: M_{rr}-5.56 $M_{\theta\theta}$5.69 $M_{\phi\phi}$-0.12 $M_{r\theta}$-2.05 $M_{\theta\phi}$-2.37 $M_{\phi r}$0.60 NP1:ϕ_s291.00000°,δ35.00000°,λ-88.00000°. NP2:ϕ_s108.00000°,δ55.00000° ,λ-92.00000°.
NEIC Event type se. Error ellipse: s-maj=6.6km s-min=5.1km az=88.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-7.54 $M_{\theta\theta}$6.69 $M_{\phi\phi}$0.85 $M_{r\theta}$-1.25 $M_{\theta\phi}$-2.69 $M_{\phi r}$1.13 NP1:ϕ_s115.85000°,δ51.01000°,λ-84.29000°. NP2:ϕ_s286.82000° ,δ39.33000°,λ-97.00000°. Principal axes: T 7.9017,Plg6.0000°,Azm202.0000° ; N -0.1544,Plg4.0000°,Azm292.0000°; P -7.7473,Plg83.0000°,Azm59.0000° $M_0$7.83000×10^{15}
MED_R Error ellipse: s-maj=3.3km s-min=1.1km az=-1.0. nsta1 refers to body waves. nsta2 refers to surface waves, cutoff=35s. Moment Tensor Solution. Mantle waves: s29,c41;Duration: 1s1 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.07±.07 $M_{\theta\theta}$0.98±.05; $M_{\phi\phi}$0.09±.04; $M_{r\theta}$0.08±.09; $M_{\theta\phi}$-0.43±.03; $M_{\phi r}$-0.01±.09; Best double couple: NP1:ϕ_s291.00000°,δ47.00000°,λ-92.00000°. NP2:ϕ_s113.00000°,δ43.00000°,λ-88.00000°. Principal axes: T 1.1600,Plg2.0000° ,Azm22.0000°; N -0.0900,Plg1.0000°,Azm292.0000°; P -1.0700,Plg88.0000°,Azm172.0000° $M_0$1.12000×10^{16}
THE Event type ke. Error ellipse: s-maj=0.4km s-min=0.2km az=101.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s18,c20; s68,c88;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.21±.17 $M_{\theta\theta}$1.38±.10; $M_{\phi\phi}$0.82±.11; $M_{r\theta}$-0.04±.21; $M_{\theta\phi}$-0.78±.06; $M_{\phi r}$1.34±.33; Best double couple: NP1:ϕ_s147.00000°,δ59.00000°,λ-69.00000°. NP2:ϕ_s291.00000°,δ36.00000°,λ-121.00000°. Principal axes: T 2.1050,Plg12.0000° ,Azm223.0000°; N 0.6230,Plg18.0000°,Azm316.0000°; P -2.7310,Plg68.0000°,Azm99.0000° $M_0$2.41800×10^{16}
BEO Event type ke.
GII Event type ke.
CFUSG Western Turkey. Magtype MSH 3.6 from 5 stations.
ISC II 16 01 25 26.6–.99 41.98N–.03 34.16E–.04 14–8 32 0-3
DDA II 16 01 25 28.7–.00 41.86N 34.21E 7–2 2.2L **¶610916792**
ISK II 16 01 25 28.1 41.90N 34.11E 5–0 2.6L
CFUSG II 16 01 25 32.3 41.94N 33.75E 33 1.8b
ISC Event type ke.
ISK Event type ke.
CFUSG Western Turkey. Magtype MSH 2.7 from 2 stations.
ISC II 16 01 28 48.2–1.0 39.52N–.02 26.09E–.04 11–6 30 0-1
THE II 16 01 28 47.9 39.53N 26.06E 4–15 2.7L **¶616051114**
ISK II 16 01 28 47.7 39.53N 26.05E 5–0 2.8L
DDA II 16 01 28 48.8–.00 39.55N 26.13E 7–1 2.4L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=15.9km s-min=0.4km az=123.0.
ISK Event type ke.
ISC II 16 03 31 23.3–.82 39.53N–.02 26.07E–.03 12–5 73 0-3
ISK II 16 03 31 22.8 39.53N 26.06E 10–0 2.8L **¶610679823**
DDA II 16 03 31 23.6–.00 39.54N 26.11E 10–0 2.4L
THE II 16 03 31 23.4 39.52N 26.06E 11–1 2.5L
ATH II 16 03 31 23.8 39.52N 26.06E 12–3 2.4L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.8km az=94.0.
ATH Event type ke. Error ellipse: s-maj=3.7km s-min=1.0km az=153.0.
ISC II 16 05 46 56.0–.80 39.54N–.01 26.08E–.02 11–5 112 0-2
ISK II 16 05 46 55.1 39.57N 26.04E 5–0 2.8L **¶610679829**
ATH II 16 05 46 56.5 39.55N 26.07E 8–1 2.6L
DDA II 16 05 46 56.2–.00 39.55N 26.12E 9–0 2.4L
THE II 16 05 46 56.1 39.54N 26.06E 10–1 2.5L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.2km s-min=0.8km az=250.0.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.7km az=90.0.
ISC II 16 17 51 15.3–.81 39.51N–.01 26.07E–.02 11–5 89 0-2
ISK II 16 17 51 14.7 39.51N 26.05E 10–0 2.4L **¶610679844**
ATH II 16 17 51 15.4 39.51N 26.07E 5–2 2.5L
DDA II 16 17 51 15.5–.00 39.52N 26.10E 10–0 2.4L
THE II 16 17 51 15.4 39.50N 26.07E 5–0 2.2L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.1km s-min=0.7km az=231.0.
THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.3km az=119.0.
ISC II 16 23 44 18.9–.79 39.52N–.01 26.08E–.02 13–5 84 0-2
ATH II 16 23 44 18.8 39.54N 26.09E 13–2 2.4L **¶610679855**
ISK II 16 23 44 18.4 39.52N 26.08E 13–0 2.6L
DDA II 16 23 44 19.3–.00 39.52N 26.14E 11–0 2.7L
THE II 16 23 44 19.2 39.52N 26.06E 2–1 2.2L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.1km s-min=1.0km az=136.0.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.4km az=109.0.
DDA II 17 01 45 02.6–.00 38.96N 27.71E 8–2 1.5L
¶610917018

ISK II 17 01 45 13.8 39.51N 26.09E 9–0 2.0L
DDA II 17 01 45 13.7–.00 39.49N 26.09E 14–0 1.9L **¶612619634**
ISK Event type ke.
ISC II 17 03 59 16.5–.85 39.51N–.02 26.06E–.02 10–5 75 0-2
ISK II 17 03 59 15.8 39.51N 26.04E 7–0 2.5L **¶610679861**
ATH II 17 03 59 16.6 39.51N 26.05E 6–2 2.3L
DDA II 17 03 59 16.7–.00 39.52N 26.10E 10–0 2.3L
THE II 17 03 59 16.4 39.50N 26.06E 3–1 2.3L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.9km s-min=0.8km az=210.0.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.3km az=132.0.
ISC II 17 06 54 22.0–.87 39.55N–.02 26.15E–.02 7–6 71 0-2
DDA II 17 06 54 21.5–.00 39.55N 26.18E 2–1 2.6L **¶610679864**
ISK II 17 06 54 21.6 39.55N 26.16E 5–0 2.8L
ATH II 17 06 54 22.3 39.55N 26.17E 6–3 2.5L
THE II 17 06 54 22.1 39.56N 26.15E 5–1 2.5L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.3km s-min=0.9km az=215.0.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.6km az=255.0.

ISC II 17 07 07 58.2–.85 39.55N–.01 26.07E–.02 11–6 86 0-3
ISK II 17 07 07 57.7 39.55N 26.09E 10–0 2.8L ¶610679866
ATH II 17 07 07 58.6 39.54N 26.05E 9–1 2.6L
DDA II 17 07 07 58.6–.00 39.55N 26.13E 10–1 2.6L
THE II 17 07 07 58.3 39.54N 26.07E 9–1 2.6L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.7km s-min=0.7km az=254.0.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.6km az=97.0.
ISC II 17 09 22 31.4–.80 39.51N–.01 26.07E–.02 14–5 113 0-3
DDA II 17 09 22 30.5–.00 39.50N 26.08E 25–0 2.9L ¶610679868
ISK II 17 09 22 30.7 39.53N 26.06E 7–0 3.0L
ATH II 17 09 22 31.6 39.52N 26.07E 5–1 2.8L
THE II 17 09 22 31.3 39.50N 26.05E 9–1 2.7L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.8km s-min=0.6km az=239.0.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.7km az=98.0.
ISC II 17 11 44 32.7–.81 39.50N–.02 26.08E–.03 12–5 71 0-2
ISK II 17 11 44 32.0 39.49N 26.11E 14–0 2.5L ¶610679870
THE II 17 11 44 32.9 39.51N 26.04E 6–2 2.1L
ATH II 17 11 44 33.1 39.49N 26.05E 9–4 2.2L
DDA II 17 11 44 33.0–.00 39.51N 26.10E 10–0 2.6L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=2.7km s-min=0.7km az=114.0.
ATH Event type ke. Error ellipse: s-maj=4.6km s-min=1.3km az=171.0.
ISC II 17 12 14 38.8–.88 39.56N–.02 26.06E–.03 9–6 57 0-2
ISK II 17 12 14 38.2 39.56N 26.07E 6–0 2.4L ¶610679871
DDA II 17 12 14 39.1–.00 39.56N 26.12E 4–1 2.5L
THE II 17 12 14 39.0 39.55N 26.08E 10–0 2.1L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.4km az=99.0.
ISK II 17 13 16 54.5 39.49N 26.12E 17–0 1.7L
¶616228556
ISK Event type ke.
DDA II 17 13 17 15.5–.00 40.80N 26.57E 6–1 1.4L
¶610917086
ISC II 17 13 37 23.4–.84 39.51N–.02 26.05E–.02 10–5 78 0-2
ISK II 17 13 37 22.8 39.51N 26.04E 9–0 2.5L ¶610679875
THE II 17 13 37 23.3 39.51N 26.06E 3–1 2.1L
DDA II 17 13 37 23.5–.00 39.50N 26.09E 11–0 2.3L
ATH II 17 13 37 23.7 39.51N 26.04E 4–1 2.3L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.4km az=127.0.
ATH Event type ke. Error ellipse: s-maj=2.2km s-min=0.7km az=239.0.
ISC II 17 13 49 50.1–.84 39.54N–.02 26.15E–.02 10–6 75 0-2
ISK II 17 13 49 49.7 39.53N 26.14E 8–0 2.6L ¶610679876
THE II 17 13 49 50.4 39.54N 26.13E 4–1 2.1L
ATH II 17 13 49 50.7 39.53N 26.13E 10–4 2.3L
DDA II 17 13 49 50.2–.00 39.54N 26.18E 7–2 2.3L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.4km az=119.0.
ATH Event type ke. Error ellipse: s-maj=4.4km s-min=1.3km az=177.0.
ISC II 17 17 36 50.6–.83 39.56N–.01 26.07E–.02 10–5 90 0-2
DDA II 17 17 36 50.8–.00 39.55N 26.11E 7–0 2.5L ¶610679886
ISK II 17 17 36 50.0 39.55N 26.07E 6–0 2.7L
THE II 17 17 36 50.8 39.55N 26.07E 9–1 2.5L
ATH II 17 17 36 51.2 39.55N 26.08E 10–2 2.7L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.6km az=87.0.
ATH Event type ke. Error ellipse: s-maj=2.9km s-min=1.0km az=229.0.
ISC II 17 21 43 12.3–.83 39.55N–.01 26.08E–.02 10–6 92 0-3
ISK II 17 21 43 11.7 39.57N 26.08E 3–0 2.5L ¶610679895
ATH II 17 21 43 12.7 39.55N 26.10E 10–3 2.2L
DDA II 17 21 43 12.6–.00 39.56N 26.13E 5–0 3.1W
THE II 17 21 43 13.1 39.52N 26.05E 14–1 2.0L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.8km s-min=0.9km az=164.0.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.5km az=121.0.
ISC II 18 00 28 03.2–.79 39.53N–.02 26.05E–.02 16–5 95 0-3
ISK II 18 00 28 02.8 39.54N 26.02E 12–0 2.7L ¶610679898
THE II 18 00 28 03.3 39.54N 26.04E 4–2 2.3L
DDA II 18 00 28 03.5–.00 39.53N 26.11E 14–0 2.4L
ATH II 18 00 28 03.7 39.51N 26.06E 16–1 2.4L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=2.3km s-min=0.6km az=209.0.
ATH Event type ke. Error ellipse: s-maj=2.1km s-min=0.8km az=106.0.
ISC II 18 12 10 07.9–.84 39.54N–.01 26.10E–.02 11–6 133 0-7
BEO II 18 12 10 04.5–1.4 39.52N 26.37E 0 2.9L ¶610679909
ISK II 18 12 10 07.5 39.56N 26.10E 5–0 3.2L
DDA II 18 12 10 07.9–.00 39.54N 26.16E 7–2 3.3L
ATH II 18 12 10 08.3 39.54N 26.11E 10–1 3.0L
THE II 18 12 10 08.2 39.53N 26.06E 10–0 3.0L
ISC Event type ke.
BEO Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.9km s-min=0.7km az=81.0.
THE Event type ke. Error ellipse: s-maj=0.8km s-min=0.3km az=83.0.
ISC II 18 15 17 23.9–.81 39.55N–.01 26.09E–.02 11–5 121 0-3
DDA II 18 15 17 23.9–.00 39.55N 26.11E 8–0 2.8L ¶610679912
ISK II 18 15 17 23.5 39.55N 26.10E 7–0 2.9L
ATH II 18 15 17 24.6 39.54N 26.08E 13–1 2.7L
THE II 18 15 17 24.2 39.55N 26.07E 6–1 2.6L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.4km s-min=0.9km az=97.0.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.3km az=104.0.
ISC II 18 16 13 35.4–.82 39.53N–.02 26.23E–.03 10–6 77 0-2
ISK II 18 16 13 35.7 39.54N 26.18E 6–0 2.5L ¶610679914
ATH II 18 16 13 36.6 39.52N 26.17E 12–2 2.1L
DDA II 18 16 13 36.0–.00 39.53N 26.19E 8–1 2.3L
THE II 18 16 13 36.4 39.53N 26.16E 1–1 2.2L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.8km s-min=0.9km az=256.0.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.3km az=112.0.
ISC II 18 16 26 17.3–.91 38.11N–.02 38.44E–.02 12–7 70 0-33
DDA II 18 16 26 16.6–.00 38.12N 38.45E 17–1 3.6W ¶610415765
ISK II 18 16 26 16.7 38.13N 38.45E 7–0 3.5L
IDC II 18 16 26 17.2–1.4 38.04N 38.42E 0 3.4b,3.3
ISC Event type ke.
ISK Event type ke.
IDC Error ellipse: s-maj=17.9km s-min=13.6km az=70.0.
ISC II 18 20 41 45.0–.86 39.56N–.02 26.08E–.03 11–6 90 0-3
ISK II 18 20 41 44.7 39.56N 26.08E 5–0 2.8L ¶610917273
DDA II 18 20 41 45.0–.00 39.55N 26.12E 8–0 2.8L
ISC Event type ke.
ISK Event type ke.
ISC II 18 23 19 25.6–.84 40.28N–.02 27.18E–.01 16–6 178 0-9
SOF II 18 23 19 22.1 40.21N 27.24E 5 3.6 ¶610679920
DDA II 18 23 19 24.9–.00 40.27N 27.19E 20–1 3.4W
ISK II 18 23 19 24.9 40.27N 27.18E 13–0 3.5L
THE II 18 23 19 25.7 40.28N 27.13E 5–0 3.3L
ATH II 18 23 19 25.1 40.30N 27.21E 7–2 3.3L
BEO II 18 23 19 28.2–.90 40.37N 26.85E 0 3.3L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=0.8km s-min=0.4km az=272.0.
ATH Event type ke. Error ellipse: s-maj=5.8km s-min=1.6km az=62.0.
BEO Event type ke.
ISC II 19 02 30 58.2–.89 39.51N–.02 26.03E–.03 10–7 63 0-3
ISK II 19 02 30 57.6 39.52N 26.03E 6–0 2.5L ¶610679931
ATH II 19 02 30 58.4 39.49N 26.04E 11–2 2.3L
THE II 19 02 30 58.1 39.51N 26.03E 2–1 2.1L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.5km s-min=1.1km az=122.0.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.4km az=192.0.
ISC II 19 08 50 00.5–.83 39.55N–.02 26.09E–.02 9–5 78 0-2
ISK II 19 08 49 59.8 39.56N 26.10E 5–0 2.5L ¶610679936
THE II 19 08 50 00.7 39.54N 26.06E 8–1 2.2L
DDA II 19 08 50 00.4–.00 39.55N 26.12E 9–0 2.2L
ATH II 19 08 50 00.7 39.55N 26.08E 10–3 2.4L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.5km az=256.0.
ATH Event type ke. Error ellipse: s-maj=3.1km s-min=1.3km az=189.0.
ISC II 19 09 49 32.8–.88 39.55N–.02 26.15E–.03 7–7 39 0-2
DDA II 19 09 49 32.4–.00 39.54N 26.15E 7–0 1.9L ¶610917325
ISK II 19 09 49 32.3 39.55N 26.14E 5–0 2.5L
ISC Event type ke.
ISK Event type ke.
ISC II 19 17 36 42.5–1.1 37.53N–.02 42.72E–.02 8–9 123 0-9
ISK II 19 17 36 40.8 37.52N 42.68E 5–0 3.9L ¶610448674
AZER II 19 17 36 40.6–.76 37.05N 42.61E 9 3.9L
ISN II 19 17 36 41.6–1.1 37.63N 42.53E 25–8 3.8L
TEH II 19 17 36 41.7 37.48N 42.65E 10–34 3.8L
DDA II 19 17 36 42.0–.00 37.52N 42.70E 15–2 4.1W
GII II 19 17 36 43.4–.00 37.53N 42.69E 2 4.1W
ISC Event type ke.
ISK Event type ke.
AZER Error ellipse: s-maj=7.8km s-min=4.6km az=95.0.
ISN Error ellipse: s-maj=17.7km s-min=30.8km az=-1.0.
TEH Error ellipse: s-maj=2.0km s-min=2.6km az=-1.0.
GII Event type ke.
ISC II 19 17 53 05.9–1.1 37.55N–.02 42.70E–.02 6–10 66 0-5
DDA II 19 17 53 05.2–.00 37.49N 42.64E 11–2 3.1L ¶610448675
ISN II 19 17 53 05.9–.60 37.67N 42.58E 24–4 3.2L
ISK II 19 17 53 05.9 37.54N 42.72E 9–0 3.1L
TEH II 19 17 53 06.1 37.52N 42.69E 4–56 3.1L
ISC Event type ke.
ISN Error ellipse: s-maj=9.2km s-min=16.4km az=-1.0.
ISK Event type ke.
TEH Error ellipse: s-maj=2.0km s-min=1.9km az=-1.0.
ISC II 19 18 00 27.3–1.1 37.54N–.03 42.74E–.02 11–10 36 0-2
ISN II 19 18 00 25.1–3.9 37.54N 42.80E 19 2.6L ¶610448676
ISK II 19 18 00 27.3 37.56N 42.74E 8–0 2.6L
DDA II 19 18 00 27.3–.00 37.50N 42.69E 7–1 2.6L
ISC Event type ke.
ISN Error ellipse: s-maj=42.0km s-min=31.6km az=-1.0.
ISK Event type ke.
ISC II 19 19 19 22.6–.97 37.50N–.02 42.66E–.02 2–9 83 0-6
AZER II 19 19 19 12.2–1.5 36.18N 42.35E 10 ¶610448677
TEH II 19 19 19 22.5 37.51N 42.70E 4–53 3.5L
ISK II 19 19 19 22.2 37.51N 42.70E 2–0 3.5L
DDA II 19 19 19 22.5–.00 37.51N 42.67E 16–1 3.7W
ISN II 19 19 19 24.6–.78 37.60N 42.73E 19–5 3.6L
ISC Event type ke.
AZER Error ellipse: s-maj=24.1km s-min=15.6km az=128.0.
TEH Error ellipse: s-maj=1.7km s-min=1.8km az=-1.0.
ISK Event type ke.
ISN Error ellipse: s-maj=11.4km s-min=20.9km az=-1.0.
ISC II 20 06 35 17.4–.90 39.58N–.02 26.17E–.03 9–6 74 0-2
ISK II 20 06 35 16.7 39.58N 26.17E 7–0 3.2L ¶610679957
DDA II 20 06 35 17.2–.00 39.57N 26.18E 6–1 2.8L
THE II 20 06 35 17.8 39.59N 26.15E 8–1 2.7L
ATH II 20 06 35 17.7 39.58N 26.14E 6–2 2.7L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.6km az=89.0.
ATH Event type ke. Error ellipse: s-maj=3.9km s-min=0.9km az=252.0.
ISC II 20 07 35 20.8–.97 38.71N–.02 38.07E–.03 9–9 30 0-2
ISK II 20 07 35 19.7 38.73N 38.03E 5–0 2.4L ¶610917392
DDA II 20 07 35 19.9–.00 38.69N 38.09E 7–4 2.5L
ISC Event type ke.
ISK Event type ke.
ISC II 20 22 48 31.7–.83 39.52N–.01 26.03E–.03 12–6 79 0-2
DDA II 20 22 48 31.7–.00 39.52N 26.08E 12–1 2.8L ¶610679975
ISK II 20 22 48 31.5 39.53N 26.04E 9–0 2.9L
THE II 20 22 48 32.0 39.51N 26.04E 12–1 2.8L
ATH II 20 22 48 32.2 39.50N 26.04E 13–1 2.9L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.7km az=93.0.
ATH Event type ke. Error ellipse: s-maj=2.5km s-min=1.0km az=88.0.
ISC II 21 09 19 21.3–.82 39.52N–.01 26.00E–.02 12–5 123 0-7
THE II 21 09 19 21.6 39.53N 26.03E 6–3 3.0L ¶610679977
DDA II 21 09 19 21.7–.00 39.52N 26.07E 11–0 3.3W
ATH II 21 09 19 21.8 39.51N 26.03E 13–1 3.0L
ISK II 21 09 19 21.1 39.54N 26.01E 6–0 3.2L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=3.1km s-min=0.8km az=182.0.
ATH Event type ke. Error ellipse: s-maj=2.2km s-min=0.8km az=87.0.
ISK Event type ke.
ISC II 21 10 37 12.6–.82 39.53N–.02 26.04E–.02 15–5 74 0-2
ISK II 21 10 37 12.8 39.53N 26.00E 5–0 2.7L ¶610679981
ATH II 21 10 37 13.1 39.51N 26.04E 9–1 2.4L
DDA II 21 10 37 13.3–.00 39.53N 26.08E 11–0 2.5L
THE II 21 10 37 13.1 39.52N 26.03E 8–1 2.4L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.5km s-min=0.9km az=250.0.
THE Event type ke. Error ellipse: s-maj=2.1km s-min=0.7km az=103.0.
ISC II 21 17 05 55.9–.79 39.51N–.01 26.03E–.02 13–5 177 0-8
ISK II 21 17 05 55.2 39.52N 26.03E 13–0 3.2L ¶610679990
THE II 21 17 05 56.1 39.51N 26.04E 11–0 3.1L
DDA II 21 17 05 56.3–.00 39.52N 26.09E 10–0 3.2L
ATH II 21 17 05 56.4 39.51N 26.01E 13–1 3.0L
SOF II 21 17 05 57.1 39.74N 26.02E 10 3.0
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.5km az=98.0.
ATH Event type ke. Error ellipse: s-maj=2.3km s-min=0.8km az=114.0.
ISC II 21 20 59 44.0–.86 39.50N–.02 26.08E–.02 12–5 44 0-2
DDA II 21 20 59 43.8–.00 39.50N 26.08E 12–0 2.7L ¶616185085
ISK II 21 20 59 43.3 39.51N 26.06E 13–0 2.7L
ISC Event type ke.
ISK Event type ke.
ISC II 21 21 33 08.6–.81 39.52N–.01 26.04E–.02 12–5 84 0-2
DDA II 21 21 33 08.6–.00 39.52N 26.08E 12–0 2.6L ¶610917613
THE II 21 21 33 08.7 39.52N 26.02E 6–1 2.5L
ATH II 21 21 33 08.9 39.52N 26.04E 10–2 2.5L
ISK II 21 21 33 08.1 39.52N 26.03E 9–0 2.6L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.5km az=122.0.

ATH Event type ke. Error ellipse: s-maj=2.6km s-min=0.9km az=232.0.
ISK Event type ke.
ISC II 21 23 46 20.3–.81 39.56N–.01 26.06E–.02 11–5 108 0-3
ISK II 21 23 46 20.0 39.56N 26.07E 6–0 2.9L **¶610680000**
DDA II 21 23 46 20.5–.00 39.56N 26.11E 7–0 2.8L
THE II 21 23 46 20.6 39.55N 26.08E 9–1 2.6L
ATH II 21 23 46 21.0 39.55N 26.06E 13–1 2.7L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.6km az=99.0.
ATH Event type ke. Error ellipse: s-maj=2.3km s-min=0.8km az=94.0.
ISC II 22 01 24 22.1–.76 39.56N–.01 26.09E–.02 11–5 3.4b 256 0-41
IDC II 22 01 24 21.1–1.1 39.38N 26.15E 0 3.5L,3.4 **¶610239514**
ISK II 22 01 24 21.3 39.56N 26.09E 11–0 3.5L,3.4
ATH II 22 01 24 22.7 39.53N 26.07E 13–2 3.8L,3.4
DDA II 22 01 24 22.2–.00 39.55N 26.15E 7–1 3.8W,3.4
THE II 22 01 24 22.2 39.55N 26.05E 10–1 3.7L,3.4
SOF II 22 01 24 23.7 39.59N 26.09E 33 3.4,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=19.7km s-min=15.0km az=89.0.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.0km s-min=1.0km az=124.0.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.6km az=92.0.
ISC II 22 01 25 34.4–1.1 39.55N–.05 26.12E–.06 15–7 16 0-0
ISK II 22 01 25 34.5 39.55N 26.07E 10–1 2.6L **¶610917647**
DDA II 22 01 25 35.3–.00 39.56N 26.11E 7–1 2.4L
ISC Event type ke.
ISK Event type ke.
ISC II 22 01 29 24.2–.83 39.56N–.02 26.05E–.03 10–6 73 0-2
ISK II 22 01 29 23.7 39.56N 26.06E 7–0 2.6L **¶610680002**
THE II 22 01 29 24.4 39.55N 26.04E 8–1 2.2L
DDA II 22 01 29 24.3–.00 39.55N 26.08E 10–1 2.4L
ATH II 22 01 29 24.8 39.54N 26.04E 9–1 2.2L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=2.2km s-min=0.8km az=96.0.
ATH Event type ke. Error ellipse: s-maj=2.9km s-min=0.9km az=244.0.
ISC II 22 01 39 08.6–.82 39.56N–.01 26.10E–.02 11–5 114 0-3
ISK II 22 01 39 07.9 39.56N 26.10E 5–0 2.8L **¶610680004**
DDA II 22 01 39 08.4–.00 39.56N 26.11E 8–0 2.6L
THE II 22 01 39 08.7 39.55N 26.09E 8–1 2.4L
ATH II 22 01 39 09.0 39.55N 26.08E 9–2 2.5L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=2.0km s-min=0.8km az=97.0.
ATH Event type ke. Error ellipse: s-maj=2.3km s-min=0.9km az=85.0.
ISC II 22 09 08 58.3–1.1 38.72N–.03 38.06E–.03 12–10 25 0-2
ISK II 22 09 08 58.3 38.75N 38.00E 8–0 2.5L **¶610917741**
DDA II 22 09 08 58.1–.00 38.70N 38.11E 13–2 2.2L
ISC Event type ke.
ISK Event type ke.
ISC II 22 11 44 31.2–.83 39.56N–.02 26.07E–.02 12–6 82 0-2
DDA II 22 11 44 30.8–.00 39.54N 26.11E 7–2 2.6L **¶610680017**
ISK II 22 11 44 30.8 39.57N 26.07E 5–0 2.9L
ATH II 22 11 44 31.6 39.56N 26.06E 10–1 2.6L
THE II 22 11 44 31.2 39.55N 26.07E 10–1 2.8L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.7km s-min=0.7km az=249.0.
THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.4km az=111.0.
ISC II 22 16 47 10.6–.81 39.53N–.01 26.05E–.02 14–5 128 0-4
THE II 22 16 47 10.8 39.52N 26.06E 14–1 2.8L **¶610680023**
DDA II 22 16 47 10.6–.00 39.53N 26.08E 4–1 2.8L
ISK II 22 16 47 10.4 39.54N 26.05E 6–0 3.0L
ATH II 22 16 47 11.2 39.51N 26.05E 13–1 2.8L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.5km az=201.0.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.0km s-min=0.8km az=236.0.
ISC II 22 18 43 22.1–.90 39.55N–.02 26.08E–.02 8–6 78 0-2
ISK II 22 18 43 21.4 39.55N 26.07E 6–0 2.9L **¶610680028**
DDA II 22 18 43 22.0–.00 39.55N 26.11E 8–0 2.5L
ATH II 22 18 43 22.4 39.54N 26.07E 9–3 2.8L
THE II 22 18 43 22.3 39.53N 26.05E 5–7 2.8L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.3km s-min=0.9km az=222.0.
THE Event type ke. Error ellipse: s-maj=7.3km s-min=0.4km az=150.0.
ISC II 22 19 31 37.0–.86 39.56N–.02 26.07E–.03 11–7 56 0-2
ISK II 22 19 31 36.4 39.56N 26.08E 7–0 2.8L **¶610680031**
ATH II 22 19 31 37.5 39.56N 26.06E 9–2 2.5L
THE II 22 19 31 37.3 39.55N 26.03E 11–2 2.6L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.0km s-min=0.9km az=221.0.
THE Event type ke. Error ellipse: s-maj=2.8km s-min=0.6km az=211.0.
ISC II 22 23 05 04.7–.81 39.51N–.01 26.03E–.02 13–5 122 0-7
DDA II 22 23 05 04.8–.00 39.51N 26.07E 12–0 2.7L **¶610680032**
ISK II 22 23 05 04.3 39.53N 26.03E 9–0 2.9L
THE II 22 23 05 04.9 39.50N 26.03E 11–2 2.7L
ATH II 22 23 05 05.2 39.50N 26.03E 12–1 2.8L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=2.2km s-min=0.6km az=206.0.
ATH Event type ke. Error ellipse: s-maj=1.4km s-min=0.6km az=244.0.
ISC II 23 01 55 14.3–.63 39.56N–.01 26.11E–.02 11–4 4.3b 495 0-118
IDC II 23 01 55 12.3–.49 39.43N 26.07E 0 4.0,4.0b **¶610239715**
ISK II 23 01 55 13.7 39.56N 26.09E 8–0 4.2L,4.0b
NEIC II 23 01 55 14.3–1.6 39.55N–.04 26.11E–.05 5–4 4.6b,4.2
PDG II 23 01 55 14.3–.53 39.55N 26.08E 14–0 4.4L,4.2
NEIC II 23 01 55 14 39.54N 26.12E 3 4.4L,4.2
DDA II 23 01 55 14.4–.00 39.55N 26.12E 10–0 4.3W,4.2
ATH II 23 01 55 14.8 39.55N 26.07E 12 4.2W,4.2
MCSM II 23 01 55 14.3–.40 40N–2.0 26E–3.0 10–2 4.5b,4.2
THE II 23 01 55 14.6 39.55N 26.11E 9–0 4.4L,4.2
SOF II 23 01 55 16.8 39.77N 26.10E 15 4.3,4.2
CFUSG II 23 01 55 19.4 40.00N 26.66E 5 3.5b,4.2
ISC Event type ke.
IDC Error ellipse: s-maj=10.0km s-min=9.4km az=112.0.
ISK Event type ke.
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=4.6km az=218.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-2.26 $M_{\theta\theta}$1.88 $M_{\phi\phi}$0.38 $M_{r\theta}$-0.10 $M_{\theta\phi}$-0.71 $M_{\phi r}$-0.27 NP1:ϕ_s298.43000°,δ45.52000°,λ-80.48000°. NP2:ϕ_s104.97000°,δ45.28000°,λ-99.56000°. Principal axes: T 2.1628,Plg0.0000°,Azm22.0000°; N 0.1350,Plg7.0000°,Azm112.0000°; P -2.2979,Plg83.0000°,Azm291.0000° $M_0$2.23000×10^{15}
PDG Event type ke. Error ellipse: s-maj=0.4km s-min=0.5km az=0.0.
NEIC Event type se.
ATH Moment Tensor Solution. s11 Moment tensor: M_{rr}-2.08 $M_{\theta\theta}$1.89 $M_{\phi\phi}$0.19 $M_{r\theta}$0.05 $M_{\theta\phi}$-0.52 $M_{\phi r}$-0.55 NP1:ϕ_s93.00000°,δ44.00000°,λ-109.00000°. NP2:ϕ_s298.00000°,δ49.00000°,λ-73.00000°.
THE Event type ke. Error ellipse: s-maj=0.6km s-min=0.3km az=243.0.
CFUSG Western Turkey. Magtype MSH 3.4 from 5 stations.
ISC II 23 02 33 53.0–.98 39.57N–.02 26.07E–.02 6–9 74 0-2
DDA II 23 02 33 52.8–.00 39.55N 26.10E 7–2 2.3L **¶610680041**
ISK II 23 02 33 52.3 39.58N 26.06E 5–0 2.6L
THE II 23 02 33 53.1 39.56N 26.09E 8–1 2.5L
ATH II 23 02 33 53.4 39.56N 26.06E 9–2 2.6L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.4km az=153.0.
ATH Event type ke. Error ellipse: s-maj=3.1km s-min=0.9km az=232.0.
ISC II 23 08 38 42.5–.80 39.52N–.01 26.16E–.02 9–5 88 0-2
THE II 23 08 38 42.5 39.53N 26.16E 8–1 2.6L **¶610680047**
DDA II 23 08 38 42.5–.00 39.54N 26.18E 6–1 2.5L
ISK II 23 08 38 42.0 39.53N 26.15E 6–0 2.6L
ATH II 23 08 38 43.2 39.50N 26.13E 12–2 2.4L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.5km az=145.0.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.0km s-min=1.1km az=243.0.
ISC II 23 09 08 54.2–.81 39.55N–.01 26.10E–.02 10–5 81 0-2
ISK II 23 09 08 53.7 39.56N 26.10E 5–0 2.6L **¶610680048**
DDA II 23 09 08 54.0–.00 39.55N 26.11E 9–1 2.3L
THE II 23 09 08 54.3 39.55N 26.09E 8–1 2.4L
ATH II 23 09 08 54.8 39.54N 26.09E 9–2 2.5L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.4km az=91.0.
ATH Event type ke. Error ellipse: s-maj=2.9km s-min=1.1km az=251.0.
ISC II 23 10 39 55.8–1.1 38.87N–.03 43.48E–.03 7–10 31 0-2
ISK II 23 10 39 53.9 38.81N 43.49E 5–0 2.7L **¶610917896**
DDA II 23 10 39 55.6–.00 38.83N 43.51E 13–5 2.5L
ISC Event type ke.
ISK Event type ke.
ISC II 23 12 44 11.1–.82 39.55N–.02 26.10E–.02 9–5 76 0-2
ISK II 23 12 44 10.8 39.54N 26.11E 7–0 2.5L **¶610680058**
DDA II 23 12 44 10.3–.00 39.51N 26.08E 12–0 2.4L
THE II 23 12 44 11.4 39.54N 26.11E 8–1 2.2L
ATH II 23 12 44 11.7 39.54N 26.09E 10–1 2.3L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.6km az=125.0.
ATH Event type ke. Error ellipse: s-maj=2.0km s-min=0.8km az=253.0.
ISC II 23 14 37 40.9–.79 39.54N–.02 26.09E–.02 11–5 87 0-2
DDA II 23 14 37 40.6–.00 39.53N 26.10E 11–1 2.6L **¶610680060**
ISK II 23 14 37 40.7 39.55N 26.10E 6–0 2.6L
THE II 23 14 37 41.2 39.53N 26.11E 11–1 2.3L
ATH II 23 14 37 41.7 39.53N 26.09E 12–1 2.3L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.7km az=113.0.
ATH Event type ke. Error ellipse: s-maj=1.8km s-min=0.7km az=247.0.
ISC II 23 17 05 35.7–.84 39.52N–.02 26.19E–.03 11–6 40 0-2
DDA II 23 17 05 35.9–.00 39.53N 26.22E 7–1 2.0L **¶610917932**
ISK II 23 17 05 35.3 39.53N 26.17E 7–0 2.5L
ISC Event type ke.
ISK Event type ke.
ISC II 23 18 40 14.7–.78 39.49N–.02 26.21E–.02 13–5 153 0-7
SOF II 23 18 40 10.9 39.54N 26.69E 9 3.4 **¶610680064**
DDA II 23 18 40 14.6–.00 39.50N 26.24E 7–1 3.5W
ISK II 23 18 40 14.3 39.50N 26.25E 7–0 3.1L
THE II 23 18 40 14.8 39.50N 26.18E 8–0 3.2L
ATH II 23 18 40 15.6 39.46N 26.16E 16–1 3.1L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=0.9km s-min=0.4km az=241.0.
ATH Event type ke. Error ellipse: s-maj=2.1km s-min=0.8km az=178.0.
ISC II 24 00 03 07.9–.84 39.52N–.02 26.18E–.03 10–6 47 0-2
ISK II 24 00 03 07.6 39.52N 26.18E 6–0 2.2L **¶610917993**
DDA II 24 00 03 07.9–.00 39.54N 26.18E 7–1 1.8L
ATH II 24 00 03 08.7 39.52N 26.18E 12–1 1.7L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.9km s-min=1.0km az=248.0.
ISC II 24 04 01 43.0–1.2 38.64N–.03 43.76E–.02 13–11 40 0-3
ISK II 24 04 01 43.8 38.64N 43.73E 7–0 2.8L **¶610918007**
DDA II 24 04 01 44.3–.00 38.69N 43.71E 4–3 2.8L
TEH II 24 04 01 46.2 38.68N 43.97E 6–96 2.6L
ISC Event type ke.
ISK Event type ke.
TEH Error ellipse: s-maj=6.8km s-min=22.9km az=-1.0.
ISC II 24 04 07 17.2–.80 39.52N–.02 26.07E–.02 13–5 110 0-7
ISK II 24 04 07 16.8 39.57N 26.05E 2–0 3.1L **¶610680074**
THE II 24 04 07 17.8 39.54N 26.08E 9–1 2.9L
ATH II 24 04 07 18.1 39.52N 26.05E 14–2 2.8L
DDA II 24 04 07 18.4–.00 39.55N 26.11E 6–0 3.0L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.6km az=181.0.
ATH Event type ke. Error ellipse: s-maj=2.7km s-min=1.1km az=227.0.
ISC II 24 06 53 42.1–.91 39.51N–.02 26.15E–.03 10–7 32 0-2
ISK II 24 06 53 41.7 39.53N 26.13E 5–0 2.5L **¶610918021**
ATH II 24 06 53 42.4 39.49N 26.16E 10–4 2.0L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=4.7km s-min=1.3km az=226.0.
ISC II 24 09 51 02.0–.92 39.53N–.02 26.18E–.03 9–6 55 0-2
DDA II 24 09 51 01.8–.00 39.52N 26.21E 4–1 2.2L **¶610680078**
ISK II 24 09 51 01.3 39.54N 26.16E 6–0 2.5L
THE II 24 09 51 02.3 39.53N 26.16E 5–7 2.1L
ATH II 24 09 51 02.6 39.51N 26.17E 10–2 2.1L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=7.5km s-min=0.4km az=115.0.
ATH Event type ke. Error ellipse: s-maj=3.2km s-min=0.9km az=225.0.
ISC II 24 10 33 46.3–.78 39.52N–.01 26.15E–.02 11–4 110 0-3
ATH II 24 10 33 46.9 39.52N 26.19E 7–1 2.8L **¶610680080**
DDA II 24 10 33 46.5–.00 39.53N 26.19E 6–0 3.5W
THE II 24 10 33 46.7 39.52N 26.17E 6–1 2.9L
ISK II 24 10 33 46.0 39.54N 26.14E 6–0 3.0L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.6km s-min=0.7km az=250.0.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.5km az=200.0.
ISK Event type ke.
ISC II 24 19 04 05.5–1.3 36.20N–.03 31.99E–.04 94–9 95 0-7
GII II 24 19 04 04.3–.00 36.19N 32.10E 20 2.7 **¶610241787**
ISK II 24 19 04 05.6 36.15N 31.94E 78–2 2.8L
NIC II 24 19 04 06.2–.00 36.23N 31.81E 32–62 2.9L
DDA II 24 19 04 07.0–.00 36.29N 32.08E 79–3 2.8L
ISC Event type ke.
GII Event type ke.
ISK Event type ke.
NIC Event type ke.
ISC II 24 21 47 18.9–.95 39.51N–.02 26.05E–.03 11–5 74 0-7
DDA II 24 21 47 18.7–.00 39.51N 26.07E 11–0 3.2L **¶610918097**
ISK II 24 21 47 18.2 39.52N 26.04E 6–0 3.2L
SOF II 24 21 47 20.9 39.86N 25.96E 2 3.0
ISC Event type ke.
ISK Event type ke.
ISC II 25 05 49 06.2–1.5 37.00N–.05 43.83E–.05 4–12 16 0-2
DDA II 25 05 49 02.2–.00 36.86N 43.63E 3–2 2.4L **¶610448694**
ISK II 25 05 49 02.8 36.88N 43.77E 1–0 2.3L
ISN II 25 05 49 02.1–.30 36.80N 43.72E 12 2.6L
ISC Event type ke.
ISK Event type ke.
ISN Error ellipse: s-maj=2.8km s-min=1.3km az=-1.0.
ISC II 25 09 30 06.8–.98 37.19N–.05 37.32E–.02 16–7 23 0-1
ISK II 25 09 30 05.9 37.30N 37.34E 5–0 2.0L **¶610918118**
DDA II 25 09 30 07.9–.00 37.24N 37.26E 7–4 2.6L

ISC Event type ke.
ISK Event type ke.
ISC II 25 10 50 20.6–.82 39.54N–.02 26.09E–.02 10–5 76 0-2
DDA II 25 10 50 20.3–.00 39.55N 26.09E 10–0 2.3L ¶610680100
THE II 25 10 50 20.8 39.55N 26.08E 3–2 2.3L
ISK II 25 10 50 20.3 39.53N 26.11E 11–0 2.7L
ATH II 25 10 50 21.3 39.54N 26.06E 9–2 2.4L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=2.0km s-min=0.4km az=154.0.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.8km s-min=0.9km az=237.0.
ISC II 25 21 06 04.0–1.1 37.02N–.02 36.06E–.02 2–7 4.5b,3.4s 469 0-99
NIC II 25 21 06 03.6–.00 37.19N 36.07E 29–2 4.5L,3.4s ¶610241350
ISK II 25 21 06 03.1 36.93N 36.09E 10–0 4.4L,3.4s
NEIC II 25 21 06 04.6–1.5 37.06N–.05 36.07E–.05 2–4 4.6b,3.4s
GII II 25 21 06 04.2–.00 37.02N 36.10E 2 4.4b,4.3
IDC II 25 21 06 04.1–.62 37.04N 35.95E 0 4.2,4.2b
DDA II 25 21 06 04.5–.00 37.01N 36.10E 4–3 4.4W,4.2b
MED_R II 25 21 06 04.0–.30 37.01N 36.10E 14–1 4.6W,4.2b
MOS II 25 21 06 04.4–.92 37.04N 35.99E 15 4.7b,4.2b
ISC Event type ke.
NIC Event type ke.
ISK Event type ke.
NEIC Event type se. Error ellipse: s-maj=8.0km s-min=5.3km az=172.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GII Event type ke.
IDC Error ellipse: s-maj=11.4km s-min=10.6km az=135.0.
MED_R nsta1 refers to body waves. nsta2 refers to surface waves, cutoff=35s. Moment Tensor Solution. Mantle waves: s22,c32;Duration: 1s0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.59±.08 $M_{\theta\theta}$-0.27±.05; $M_{\phi\phi}$0.87±.05; $M_{r\theta}$0.42±.07; $M_{\theta\phi}$-0.10±.02; $M_{\phi r}$0.28±.05; Best double couple: NP1:ϕ_s205.00000°,δ63.00000°,λ-52.00000°. NP2:ϕ_s325.00000°,δ45.00000°,λ-140.00000°. Principal axes: T 0.9200,Plg10.0000°,Azm269.0000°; N 0.0100,Plg33.0000°,Azm5.0000° ; P -0.9300,Plg55.0000°,Azm164.0000° $M_0$0.92000×10^{16}
MOS Error ellipse: s-maj=6.4km s-min=4.2km az=86.5.
ISC II 26 01 57 44.1–.86 39.57N–.01 26.03E–.02 10–6 190 0-8
SOF II 26 01 57 39.4 39.39N 26.09E 3 3.2 ¶610680116
DDA II 26 01 57 43.8–.00 39.56N 26.05E 7–1 3.5W
ISK II 26 01 57 43.1 39.57N 26.01E 7–0 3.3L
THE II 26 01 57 43.9 39.57N 26.03E 4–0 3.3L
ATH II 26 01 57 44.3 39.57N 26.03E 7–1 3.2L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=0.9km s-min=0.3km az=168.0.
ATH Event type ke. Error ellipse: s-maj=2.0km s-min=0.7km az=247.0.
DDA II 26 09 24 43.5–.00 37.15N 27.89E 7–3 1.1L
¶612619903
ISC II 26 11 22 19.3–1.0 37.19N–.02 30.32E–.02 5–8 3.5b 86 0-39
IDC II 26 11 22 18.4–1.5 37.10N 30.42E 0 3.7b,3.5 ¶610385057
ISK II 26 11 22 18.9 37.17N 30.24E 6–0 3.4L,3.5
DDA II 26 11 22 19.0–.00 37.16N 30.28E 9–1 3.6W,3.5
THE II 26 11 22 19.5 37.26N 30.53E 3–3 3.4L,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=47.3km s-min=20.4km az=139.0.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=6.1km s-min=1.7km az=83.0.
ISC II 26 17 17 00.2–.86 39.55N–.02 26.10E–.02 12–6 69 0-2
DDA II 26 17 17 00.0–.00 39.54N 26.11E 13–1 2.3L ¶610918204
ISK II 26 17 17 00.2 39.55N 26.10E 4–0 2.5L
ATH II 26 17 17 01.3 39.55N 26.08E 13–1 2.2L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.0km s-min=0.9km az=231.0.
ISC II 26 17 50 38.9–.79 39.49N–.02 26.12E–.02 14–5 159 0-8
ISK II 26 17 50 38.8 39.50N 26.13E 13–0 3.2L ¶610680125
THE II 26 17 50 39.5 39.51N 26.12E 8–0 3.5L
DDA II 26 17 50 39.5–.00 39.51N 26.20E 17–1 3.6W
ATH II 26 17 50 40.5 39.48N 26.08E 16–1 3.3L
SOF II 26 17 50 42.4 39.73N 25.84E 20 3.5
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=0.8km s-min=0.3km az=239.0.
ATH Event type ke. Error ellipse: s-maj=2.3km s-min=0.8km az=92.0.
ISC II 26 19 19 25.5–.84 39.51N–.02 26.05E–.02 12–6 86 0-3
THE II 26 19 19 25.7 39.52N 26.04E 8–1 2.8L ¶610680128
ATH II 26 19 19 25.9 39.51N 26.05E 11–3 2.8L
DDA II 26 19 19 25.6–.00 39.50N 26.08E 7–2 2.9L
ISK II 26 19 19 25.0 39.53N 26.03E 7–0 2.8L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.3km az=208.0.
ATH Event type ke. Error ellipse: s-maj=3.3km s-min=1.0km az=185.0.
ISK Event type ke.
ISC II 26 21 03 13.9–.84 39.56N–.01 26.13E–.02 13–6 102 0-4
ISK II 26 21 03 13.9 39.57N 26.08E 5–0 2.9L ¶610680132
DDA II 26 21 03 14.3–.00 39.56N 26.12E 7–1 2.9L
THE II 26 21 03 14.6 39.55N 26.09E 10–0 2.8L
ATH II 26 21 03 14.5 39.56N 26.11E 10–1 2.9L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=0.6km s-min=0.2km az=246.0.
ATH Event type ke. Error ellipse: s-maj=1.8km s-min=0.8km az=252.0.
ISC II 27 11 18 31.2–.81 39.52N–.02 26.09E–.02 14–5 75 0-2
ISK II 27 11 18 30.8 39.52N 26.11E 5–0 2.6L ¶612619944
THE II 27 11 18 31.1 39.52N 26.08E 14–1 2.3L
ATH II 27 11 18 31.8 39.51N 26.08E 10–3 2.2L
DDA II 27 11 18 31.1–.00 39.52N 26.12E 13–0 2.5L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.7km az=119.0.
ATH Event type ke. Error ellipse: s-maj=3.7km s-min=1.2km az=213.0.
ISC II 27 21 41 12.5–.81 39.55N–.01 26.08E–.02 10–5 102 0-2
THE II 27 21 41 12.8 39.55N 26.06E 9–1 2.2L ¶610680145
DDA II 27 21 41 12.5–.00 39.55N 26.11E 9–0 2.5L
ATH II 27 21 41 12.9 39.56N 26.10E 12–1 2.3L
ISK II 27 21 41 12.2 39.56N 26.10E 6–0 2.5L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.7km az=109.0.
ATH Event type ke. Error ellipse: s-maj=2.2km s-min=0.8km az=247.0.
ISK Event type ke.
ISC II 27 22 52 23.4–.74 39.47N–.01 26.05E–.02 12–4 3.6b 333 0-97
IDC II 27 22 52 22.0–.86 39.44N 25.96E 0 3.7,3.7b ¶610243860
MCSM II 27 22 52 23.6–.40 40N–2.0 26E–4.0 7–3 4.2b,3.7b
ISK II 27 22 52 23.2 39.50N 26.06E 12–0 4.0L,3.7b
DDA II 27 22 52 23.8–.00 39.50N 26.08E 10–0 4.0W,3.7b
ATH II 27 22 52 24.2 39.48N 26.06E 12–0 3.7L,3.7b
THE II 27 22 52 24.2 39.48N 26.04E 12–0 3.9L,3.7b
SOF II 27 22 52 25.3 39.69N 26.02E 13 4.0,3.7b
CFUSG II 27 22 52 29.0 40.01N 26.56E 2 3.1b,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=16.1km s-min=13.0km az=88.0.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.1km s-min=0.5km az=86.0.
THE Event type ke. Error ellipse: s-maj=0.8km s-min=0.4km az=103.0.
CFUSG Western Turkey. Magtype MSH 3.3 from 4 stations.
THE II 27 23 17 14.1 39.49N 26.07E 4–1 1.8L
DDA II 27 23 17 14.0–.00 39.51N 26.10E 10–0 1.9L ¶610680149
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.4km az=174.0.
ISK II 27 23 17 46.0 39.49N 26.07E 10–1 1.3L
¶616228571
ISK Event type ke.
ISC II 27 23 28 13.9–.81 39.50N–.01 26.06E–.02 11–5 90 0-3
ISK II 27 23 28 13.5 39.51N 26.05E 5–0 2.6L ¶610680150
DDA II 27 23 28 14.0–.00 39.51N 26.08E 10–0 2.6L
ATH II 27 23 28 14.3 39.50N 26.06E 10–2 2.4L
THE II 27 23 28 14.0 39.50N 26.05E 5–1 2.5L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.4km s-min=0.7km az=232.0.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.4km az=218.0.
ISC II 27 23 57 09.7–.83 39.50N–.02 26.07E–.02 11–5 90 0-10
DDA II 27 23 57 09.8–.00 39.50N 26.09E 10–0 3.3W ¶615491590
ATH II 27 23 57 09.9 39.50N 26.08E 9–2 3.1L
THE II 27 23 57 09.9 39.49N 26.06E 6–1 3.3L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.4km s-min=0.8km az=239.0.
THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.4km az=239.0.
ISC II 28 05 26 37.0–1.0 39.50N–.04 26.08E–.08 15–6 15 0-1
DDA II 28 05 26 22.4–.00 38.68N 25.64E 7–1 1.9L ¶616051071
ISK II 28 05 26 36.9 39.50N 26.06E 11–0 1.6L
ISC Event type ke.
ISK Event type ke.
THE II 28 07 59 31.5 39.50N 26.05E 5–2 2.2L
ISK II 28 07 59 30.9 39.50N 26.04E 9–0 2.4L ¶610680157
ATH II 28 07 59 32.0 39.49N 26.05E 11–3 2.0L
DDA II 28 07 59 33.0–.00 39.54N 26.14E 6–3 2.2L
THE Event type ke. Error ellipse: s-maj=2.2km s-min=0.7km az=191.0.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.8km s-min=1.1km az=219.0.
ISC II 28 10 46 24.4–.77 39.49N–.02 26.07E–.02 11–5 86 0-2
THE II 28 10 46 24.6 39.49N 26.07E 13–1 2.4L ¶610680160
DDA II 28 10 46 24.6–.00 39.50N 26.09E 10–0 2.2L
ISK II 28 10 46 24.1 39.50N 26.06E 8–0 2.5L
ATH II 28 10 46 25.1 39.48N 26.08E 10–3 2.4L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.7km az=104.0.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.5km s-min=1.1km az=219.0.
ISC II 28 10 55 16.1–.81 39.50N–.01 26.06E–.02 10–5 95 0-2
ISK II 28 10 55 15.7 39.50N 26.04E 6–0 2.7L ¶610680161
THE II 28 10 55 16.1 39.49N 26.05E 8–1 2.6L
ATH II 28 10 55 16.5 39.48N 26.09E 12–3 2.8L
DDA II 28 10 55 16.5–.00 39.50N 26.11E 9–0 2.4L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.5km az=214.0.
ATH Event type ke. Error ellipse: s-maj=3.5km s-min=1.1km az=220.0.
ISC II 28 20 29 09.5–1.2 36.24N–.02 35.57E–.02 7–11 50 1-6
ISK II 28 20 29 10.7 36.30N 35.59E 4–0 2.9L ¶610918466
DDA II 28 20 29 12.5–.00 36.39N 35.64E 7–4 2.6L
GII II 28 20 29 14.9–.00 36.24N 35.51E 1–0 2.8
ISC Event type ke.
ISK Event type ke.
GII Event type ke.
DDA II 28 21 33 20.6–.00 36.78N 30.64E 6–2 1.9L
ISK II 28 21 33 22.3 36.12N 30.75E 16–0 2.1L ¶610918471
ISK Event type ke.
ISC II 28 23 26 40.9–.87 39.50N–.02 26.08E–.02 10–6 129 0-4
ISK II 28 23 26 40.3 39.48N 26.06E 12–0 3.5L ¶610242070
DDA II 28 23 26 41.7–.00 39.50N 26.08E 7–2 3.6W
THE II 28 23 26 42.1 39.48N 26.07E 14–0 3.1L
ATH II 28 23 26 42.0 39.50N 26.06E 11–1 3.2L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.4km az=91.0.
ATH Event type ke. Error ellipse: s-maj=2.1km s-min=0.8km az=98.0.
ISC II 28 23 27 33.9–.50 39.50N–.01 26.12E–.02 14–3 4.7b,3.8s 902 0-153
IDC II 28 23 27 30.4–.40 39.59N 26.04E 0 4.3b,4.2 ¶610680174
BJI II 28 23 27 32.0–.00 39.50N 26.10E 9 4.9b,4.6s
GII II 28 23 27 32.7–.00 39.37N 26.08E 10 4.9,4.6s
MOS II 28 23 27 33.0–.95 39.50N 26.12E 16 4.7b,4.3s
ISK II 28 23 27 33.4 39.49N 26.06E 11–0 4.3L,4.3s
NEIC II 28 23 27 33.8–1.6 39.52N–.04 26.13E–.06 9–3 4.9b,4.6
PDG II 28 23 27 34.3–.61 39.49N 26.12E 20–0 4.6L,4.6
NEIC II 28 23 27 34.3 39.50N 26.14E 10 4.6L,4.6
MED_R II 28 23 27 34.0–.20 39.47N 26.28E 10 4.8W,4.6
DDA II 28 23 27 34.5–.00 39.49N 26.10E 11–0 4.7W,4.6
THE II 28 23 27 34.9 39.48N 26.04E 10–0 4.4L,4.6
GCMT II 28 23 27 35.8–.30 39.46N–.02 26.06E–.04 12 4.8W,4.6
ATH II 28 23 27 35.1 39.48N 26.06E 15–1 4.4L,4.6
CFUSG II 28 23 27 40.5 39.78N 26.92E 3 3.9b,4.6
SOF II 28 23 27 42.5 40.14N 25.50E 2 4.0,4.6
ISC Event type ke.
IDC Error ellipse: s-maj=9.2km s-min=8.2km az=170.0.
GII Event type ke.
MOS Error ellipse: s-maj=4.4km s-min=2.8km az=86.7.
ISK Event type ke.
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=5.1km az=91.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-9.10 $M_{\theta\theta}$7.96 $M_{\phi\phi}$1.15 $M_{r\theta}$3.03 $M_{\theta\phi}$-2.93 $M_{\phi r}$-0.50 NP1:ϕ_s113.75000°,δ35.91000°,λ-84.45000°. NP2:ϕ_s286.90000°,δ54.28000° ,λ-94.01000°. Principal axes: T 9.5319,Plg9.0000°,Azm20.0000°; N 0.0929,Plg3.0000° ,Azm289.0000°; P -9.6248,Plg80.0000°,Azm180.0000° $M_0$9.58000×10^{15}
PDG Event type ke. Error ellipse: s-maj=0.4km s-min=0.7km az=0.0.
NEIC Event type se.
MED_R Error ellipse: s-maj=3.3km s-min=1.1km az=-1.0. nsta1 refers to body waves. nsta2 refers to surface waves, cutoff=35s. Moment Tensor Solution. Mantle waves: s22,c31;Duration: 1s1 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.27±.04 $M_{\theta\theta}$1.32±.03; $M_{\phi\phi}$-0.05±.04; $M_{r\theta}$0.90±.14; $M_{\theta\phi}$-0.30±.03; $M_{\phi r}$-0.56±.19; Best double couple: NP1:ϕ_s294.00000°,δ65.00000°,λ-78.00000°. NP2:ϕ_s89.00000°,δ28.00000°,λ-113.00000°. Principal axes: T 1.7200,Plg19.0000° ,Azm16.0000°; N -0.0400,Plg11.0000°,Azm109.0000°; P -1.6800,Plg68.0000° ,Azm227.0000° $M_0$1.70000×10^{16}
THE Event type ke. Error ellipse: s-maj=0.5km s-min=0.2km az=94.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s11,c12; s81,c111;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.66±.05 $M_{\theta\theta}$1.57±.05; $M_{\phi\phi}$0.09±.05; $M_{r\theta}$0.50±.20; $M_{\theta\phi}$-0.50±.04; $M_{\phi r}$0.21±.27; Best double couple: NP1:ϕ_s276.00000°,δ53.00000°,λ-104.00000°. NP2:ϕ_s118.00000°,δ39.00000°,λ-72.00000°. Principal axes: T 1.7760,Plg7.0000° ,Azm16.0000°; N 0.0060,Plg11.0000°,Azm284.0000°; P -1.7800,Plg77.0000°,Azm137.0000° $M_0$1.77800×10^{16}
ATH Event type ke. Error ellipse: s-maj=2.4km s-min=0.7km az=90.0.
CFUSG Western Turkey. Magtype MSH 4.3 from 6 stations.
ISC II 28 23 30 39.5–1.0 39.51N–.02 26.06E–.04 10–6 42 0-2
ISK II 28 23 30 39.1 39.50N 26.05E 9–0 2.8L ¶610918483
DDA II 28 23 30 40.3–.00 39.54N 26.10E 7–2 3.6W
ISC Event type ke.
ISK Event type ke.
ISC II 28 23 42 35.5–.86 39.50N–.02 26.06E–.02 9–6 125 0-7
ISK II 28 23 42 34.6 39.50N 26.03E 10–0 3.2L ¶610918491
DDA II 28 23 42 35.7–.00 39.52N 26.10E 7–2 3.1L
ATH II 28 23 42 35.7 39.49N 26.07E 11–1 3.0L
THE II 28 23 42 35.8 39.49N 26.03E 8–0 2.9L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.2km s-min=0.9km az=230.0.
THE Event type ke. Error ellipse: s-maj=0.7km s-min=0.3km az=87.0.
ISC III 01 00 05 19.9–.82 39.48N–.02 26.09E–.02 10–5 119 0-41
SOF III 01 00 05 13.1 39.21N 26.35E 5 3.6 ¶610545281
ISK III 01 00 05 18.7 39.48N 26.01E 9–0 3.7L
THE III 01 00 05 20.0 39.49N 26.08E 10–1 3.3L
DDA III 01 00 05 20.1–.00 39.51N 26.10E 7–2 3.5W
IDC III 01 00 05 28.1–8.4 39.03N 26.54E 77–79 3.5s,3.2

ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.5km az=80.0.
IDC Error ellipse: s-maj=141.9km s-min=26.5km az=148.0.
ISC III 01 00 45 23.6–.82 39.50N–.02 26.07E–.03 12–5 67 0-4
ISK III 01 00 45 22.7 39.50N 26.03E 12–0 2.9L **¶610918554**
THE III 01 00 45 23.8 39.51N 26.06E 11–1 2.6L
DDA III 01 00 45 24.0–.00 39.51N 26.10E 10–0 2.6L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.7km az=73.0.
ISC III 01 01 23 59.9–.81 39.49N–.02 26.08E–.03 15–5 64 0-4
ISK III 01 01 23 59.4 39.49N 26.02E 12–0 3.1L **¶610680184**
THE III 01 01 24 00.7 39.50N 26.07E 12–0 2.8L
DDA III 01 01 24 00.3–.00 39.49N 26.07E 12–0 2.7L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.6km az=74.0.
ISC III 01 01 51 21.2–.79 39.51N–.02 26.06E–.02 14–5 83 0-2
THE III 01 01 51 21.6 39.52N 26.05E 10–1 2.4L **¶610680186**
ATH III 01 01 51 21.9 39.49N 26.06E 17–2 2.5L
DDA III 01 01 51 21.6–.00 39.51N 26.09E 11–0 2.4L
ISK III 01 01 51 21.2 39.52N 26.08E 12–0 2.7L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.6km az=70.0.
ATH Event type ke. Error ellipse: s-maj=2.7km s-min=0.8km az=97.0.
ISK Event type ke.
ISK III 01 02 13 45.6 39.50N 26.06E 10–0 1.8L
¶616602522

ISK Event type ke.
DDA III 01 02 14 29.1–.00 39.53N 26.12E 7–1 2.0L
THE III 01 02 14 28.3 39.50N 26.06E 8–2 2.3L **¶610680188**
ATH III 01 02 14 28.9 39.53N 26.09E 6–2 2.2L
THE Event type ke. Error ellipse: s-maj=2.8km s-min=0.8km az=129.0.
ATH Event type ke. Error ellipse: s-maj=3.5km s-min=0.8km az=231.0.
ISC III 01 02 39 30.4–.82 39.49N–.02 26.06E–.03 11–5 72 0-3
THE III 01 02 39 30.6 39.49N 26.08E 13–1 2.3L **¶610680190**
DDA III 01 02 39 30.2–.00 39.48N 26.07E 10–0 2.3L
ISK III 01 02 39 30.0 39.51N 26.05E 6–0 2.5L
ATH III 01 02 39 31.1 39.49N 26.05E 10–2 2.3L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.7km az=84.0.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.2km s-min=0.8km az=103.0.
DDA III 01 03 15 15.4–.00 38.94N 28.18E 7–2 1.2L
¶616602525

ISK III 01 03 16 14.2 39.54N 26.14E 3–0 1.7L
DDA III 01 03 16 14.7–.00 39.51N 26.11E 10–0 1.4L **¶610918670**
ISK Event type ke.
ISC III 01 04 23 20.2–.98 38.98N–.03 43.70E–.03 10–7 25 0-3
TEH III 01 04 23 17.2 38.87N 43.59E 8–99 2.6L **¶610918690**
ISK III 01 04 23 18.8 39.01N 43.72E 7–0 2.4L
DDA III 01 04 23 20.1–.00 38.95N 43.72E 7–2 2.0L
ISC Event type ke.
TEH Error ellipse: s-maj=7.3km s-min=17.8km az=-1.0.
ISK Event type ke.
ISK III 01 05 00 05.6 39.53N 26.17E 10–0 1.5L
¶610918702

ISK Event type ke.
ISK III 01 05 01 08.4 39.50N 26.10E 11–0 1.6L
DDA III 01 05 01 10.2–.00 39.59N 26.13E 7–3 1.1L **¶610918703**
ISK Event type ke.
ISC III 01 05 58 30.5–.81 39.49N–.02 26.06E–.02 11–5 101 0-2
ISK III 01 05 58 29.9 39.49N 26.04E 10–0 2.8L **¶612619990**
THE III 01 05 58 30.7 39.49N 26.04E 9–1 2.6L
DDA III 01 05 58 30.8–.00 39.49N 26.08E 9–0 2.8L
ATH III 01 05 58 31.3 39.50N 26.11E 13–1 2.6L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.8km az=84.0.
ATH Event type ke. Error ellipse: s-maj=2.1km s-min=0.7km az=71.0.
ISC III 01 06 10 21.6–.81 39.50N–.02 26.18E–.02 11–5 70 0-2
ISK III 01 06 10 20.6 39.48N 26.18E 5–0 2.5L **¶610680202**
DDA III 01 06 10 21.4–.00 39.50N 26.20E 10–0 2.4L
THE III 01 06 10 21.7 39.49N 26.17E 8–2 2.1L
ATH III 01 06 10 22.0 39.49N 26.15E 12–2 2.1L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=2.2km s-min=0.7km az=116.0.
ATH Event type ke. Error ellipse: s-maj=3.6km s-min=1.1km az=244.0.
ISC III 01 06 27 14.4–.81 39.50N–.02 26.08E–.02 11–5 81 0-2
ISK III 01 06 27 13.6 39.49N 26.02E 6–0 2.8L **¶610918728**
ATH III 01 06 27 14.9 39.51N 26.15E 15–1 2.7L
DDA III 01 06 27 14.5–.00 39.50N 26.11E 10–0 2.6L
THE III 01 06 27 14.5 39.48N 26.06E 8–1 2.6L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.0km s-min=0.8km az=80.0.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.6km az=234.0.
ISK III 01 06 53 38.6 39.53N 26.05E 3–0 1.6L
¶610918738

ISK Event type ke.
ISC III 01 07 04 32.8–.80 39.52N–.02 26.19E–.02 14–5 87 0-2
DDA III 01 07 04 32.8–.00 39.52N 26.20E 10–0 2.7L **¶610680204**
ISK III 01 07 04 32.2 39.51N 26.21E 8–0 2.9L
THE III 01 07 04 33.0 39.51N 26.16E 7–1 2.5L
ATH III 01 07 04 33.6 39.50N 26.14E 10–1 2.7L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.6km az=110.0.
ATH Event type ke. Error ellipse: s-maj=1.9km s-min=0.7km az=84.0.
ISC III 01 07 48 59.0–.90 39.49N–.02 26.07E–.04 12–5 41 0-2
ISK III 01 07 48 58.6 39.50N 26.06E 12–0 2.6L **¶610680206**
DDA III 01 07 48 59.5–.00 39.51N 26.10E 10–0 2.1L
ISC Event type ke.
ISK Event type ke.
ISC III 01 07 49 26.9–.81 39.50N–.01 26.06E–.02 10–5 92 0-4
ISK III 01 07 49 26.2 39.51N 26.04E 9–0 2.9L **¶610918751**
DDA III 01 07 49 27.1–.00 39.51N 26.09E 10–0 3.3W
ATH III 01 07 49 27.4 39.49N 26.05E 11–1 2.8L
THE III 01 07 49 27.0 39.49N 26.06E 12–1 2.9L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.7km s-min=0.7km az=169.0.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.6km az=135.0.
ISC III 01 08 41 15.3–.80 39.50N–.01 26.06E–.02 11–5 96 0-2
ISK III 01 08 41 14.7 39.49N 26.07E 11–0 2.8L **¶610680207**
DDA III 01 08 41 15.3–.00 39.49N 26.06E 10–0 2.7L
THE III 01 08 41 15.6 39.50N 26.05E 12–1 2.5L
ATH III 01 08 41 15.8 39.50N 26.05E 12–1 2.6L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.6km az=133.0.
ATH Event type ke. Error ellipse: s-maj=2.1km s-min=0.9km az=238.0.
ISC III 01 10 02 08.8–.81 39.50N–.02 26.06E–.02 12–5 79 0-2
THE III 01 10 02 08.9 39.50N 26.06E 9–1 2.7L **¶610680211**
ISK III 01 10 02 08.3 39.50N 26.06E 13–0 2.8L
DDA III 01 10 02 09.1–.00 39.52N 26.09E 10–1 2.8L
ATH III 01 10 02 09.3 39.49N 26.05E 13–1 2.8L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.6km az=242.0.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.1km s-min=1.0km az=244.0.
ISC III 01 13 11 15.4–.84 39.50N–.01 26.05E–.02 11–6 94 0-2
ISK III 01 13 11 14.9 39.54N 26.07E 2–0 2.8L **¶610680216**
THE III 01 13 11 15.6 39.50N 26.05E 10–1 2.6L
DDA III 01 13 11 15.3–.00 39.50N 26.08E 7–2 2.6L
ATH III 01 13 11 15.8 39.49N 26.06E 13–1 2.7L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=2.0km s-min=0.9km az=187.0.
ATH Event type ke. Error ellipse: s-maj=1.9km s-min=0.8km az=225.0.
ISC III 01 16 04 41.2–1.1 38.84N–.02 43.54E–.02 3–10 54 0-3
NSSP III 01 16 04 38.5 38.87N 43.38E 13 2.9s **¶610790867**
ISK III 01 16 04 40.3 38.86N 43.54E 5–0 2.8L
DDA III 01 16 04 41.7–.00 38.90N 43.52E 13–0 2.9L
TEH III 01 16 04 42.3 38.84N 43.60E 10–224 2.8L
ISC Event type ke.
ISK Event type ke.
TEH Error ellipse: s-maj=16.1km s-min=24.1km az=-1.0.
ISC III 01 16 07 19.0–.80 39.50N–.02 26.06E–.02 12–5 90 0-2
ISK III 01 16 07 18.6 39.50N 26.07E 11–0 3.0L **¶610680219**
THE III 01 16 07 19.3 39.50N 26.06E 12–1 2.9L
DDA III 01 16 07 19.4–.00 39.52N 26.11E 10–0 3.2W
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.6km az=98.0.
ISC III 01 16 08 07.9–.83 39.51N–.02 26.07E–.03 11–5 57 0-1
DDA III 01 16 08 07.8–.00 39.51N 26.12E 10–0 2.5L **¶610680222**
ISK III 01 16 08 07.6 39.50N 26.05E 11–0 2.7L
THE III 01 16 08 08.3 39.51N 26.05E 2–2 2.6L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=2.6km s-min=0.6km az=189.0.
ISC III 01 17 51 05.2–.79 39.49N–.01 26.06E–.02 14–5 127 0-7
ISK III 01 17 51 05.3 39.51N 26.04E 6–0 3.2L **¶610680224**
DDA III 01 17 51 06.6–.00 39.50N 26.09E 9–0 3.1L
ATH III 01 17 51 06.3 39.50N 26.07E 13–1 2.9L
THE III 01 17 51 06.4 39.50N 26.08E 11–1 3.0L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.5km s-min=0.7km az=228.0.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.7km az=151.0.
ISC III 01 18 09 25.2–.81 39.51N–.01 26.09E–.02 12–5 92 0-2
ISK III 01 18 09 24.8 39.51N 26.06E 10–0 2.8L **¶610680227**
DDA III 01 18 09 25.5–.00 39.53N 26.12E 9–0 2.7L
ATH III 01 18 09 25.6 39.51N 26.07E 7–2 2.6L
THE III 01 18 09 25.4 39.50N 26.06E 12–1 2.5L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.5km s-min=0.7km az=224.0.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.6km az=117.0.
ISC III 01 18 50 14.4–.79 39.52N–.01 26.08E–.02 14–5 86 0-2
ISK III 01 18 50 14.4 39.50N 26.04E 10–0 2.6L **¶610680229**
ATH III 01 18 50 15.3 39.50N 26.05E 10–3 2.7L
DDA III 01 18 50 15.2–.00 39.52N 26.11E 9–0 2.5L
THE III 01 18 50 15.0 39.50N 26.05E 5–2 2.6L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.5km s-min=1.0km az=213.0.
THE Event type ke. Error ellipse: s-maj=2.0km s-min=0.6km az=181.0.
ISC III 01 19 10 31.2–.85 39.50N–.02 26.06E–.02 10–6 79 0-2
ISK III 01 19 10 30.6 39.51N 26.04E 6–0 2.5L **¶610680230**
ATH III 01 19 10 31.7 39.49N 26.05E 12–2 2.5L
DDA III 01 19 10 31.5–.00 39.51N 26.10E 10–0 2.2L
THE III 01 19 10 31.4 39.50N 26.05E 5–2 2.4L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.1km s-min=1.1km az=212.0.
THE Event type ke. Error ellipse: s-maj=2.3km s-min=0.6km az=186.0.
ISC III 01 23 47 39.1–.85 39.51N–.02 26.03E–.02 9–6 92 0-2
ISK III 01 23 47 38.5 39.52N 26.03E 6–0 2.7L **¶610680237**
DDA III 01 23 47 39.4–.00 39.52N 26.08E 9–0 2.5L
THE III 01 23 47 39.2 39.49N 26.02E 8–1 2.5L
ATH III 01 23 47 39.7 39.49N 26.03E 12–2 2.5L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.7km az=134.0.
ATH Event type ke. Error ellipse: s-maj=2.4km s-min=1.0km az=227.0.
ISC III 02 00 05 40.5–.81 39.51N–.01 26.05E–.02 10–5 118 0-4
ISK III 02 00 05 39.9 39.52N 26.04E 7–0 3.1L **¶610680238**
DDA III 02 00 05 40.8–.00 39.50N 26.12E 10–0 2.8L
THE III 02 00 05 40.6 39.51N 26.05E 8–1 3.0L
ATH III 02 00 05 41.0 39.50N 26.07E 12–3 3.2L
SOF III 02 00 05 42.3 39.63N 25.99E 20 3.1
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.6km az=183.0.
ATH Event type ke. Error ellipse: s-maj=3.4km s-min=1.1km az=194.0.
ISC III 02 01 16 31.9–1.6 41.92N–.03 35.71E–.03 12–12 50 0-3
ISK III 02 01 16 31.1 41.93N 35.60E 7–0 2.8L **¶610918884**
DDA III 02 01 16 33.7–.00 41.87N 35.66E 13–1 3.0L
CFUSG III 02 01 16 34.1 42.10N 35.60E 10 2.1b
ISC Event type ke.
ISK Event type ke.
CFUSG Black sea. Magtype MSH 3.0 from 5 stations.
ISK III 02 02 20 28.3 39.51N 26.08E 6–1 1.9L
¶610918889

ISK Event type ke.
ISC III 02 02 21 31.7–.96 39.50N–.02 26.09E–.04 12–6 34 0-1
ISK III 02 02 21 31.5 39.51N 26.10E 7–0 2.2L **¶610918890**
DDA III 02 02 21 32.0–.00 39.53N 26.05E 6–1 1.7L
ISC Event type ke.
ISK Event type ke.
ISC III 02 02 34 51.6–.82 39.51N–.01 26.06E–.02 11–5 91 0-2
THE III 02 02 34 51.8 39.50N 26.05E 8–1 2.7L **¶610680239**
ISK III 02 02 34 51.2 39.51N 26.04E 7–0 2.8L
ATH III 02 02 34 52.1 39.50N 26.06E 11–2 2.8L
DDA III 02 02 34 52.1–.00 39.53N 26.13E 9–0 2.9L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.6km az=158.0.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.2km s-min=1.1km az=222.0.
ISC III 02 03 05 09.7–.82 39.50N–.02 26.07E–.02 12–5 82 0-2
THE III 02 03 05 09.7 39.51N 26.05E 7–1 2.3L **¶610680241**
DDA III 02 03 05 09.9–.00 39.53N 26.12E 10–0 2.5L
ISK III 02 03 05 09.1 39.51N 26.05E 9–0 2.5L
ATH III 02 03 05 10.2 39.49N 26.07E 14–2 2.4L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.5km az=167.0.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.3km s-min=1.2km az=223.0.
ISC III 02 05 26 55.6–.82 39.50N–.02 26.05E–.02 11–6 70 0-2
ISK III 02 05 26 54.9 39.51N 26.02E 6–0 2.5L **¶610680245**
DDA III 02 05 26 55.5–.00 39.51N 26.07E 12–0 2.3L
THE III 02 05 26 55.7 39.51N 26.05E 4–1 2.3L
ATH III 02 05 26 56.0 39.49N 26.05E 13–1 2.5L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.4km az=173.0.
ATH Event type ke. Error ellipse: s-maj=1.9km s-min=0.8km az=247.0.
ISC III 02 05 48 41.6–.77 39.50N–.01 26.06E–.02 9–5 3.8b 165 0-75

ISK III 02 05 48 40.8 39.49N 26.04E 7–0 3.9L ¶610545367
IDC III 02 05 48 40.5–1.3 39.50N 26.05E 0 3.7b,3.5
DDA III 02 05 48 41.7–.00 39.50N 26.09E 9–0 3.9W,3.5
MCSM III 02 05 48 41.3–.40 40N–3.0 26E–5.0 6–3 4.2b,3.5
THE III 02 05 48 41.7 39.49N 26.04E 9–1 3.8L,3.5
ATH III 02 05 48 42.1 39.48N 26.06E 10–1 3.6L,3.5
SOF III 02 05 48 44.5 39.67N 26.00E 25 3.9,3.5
ISC Event type ke.
ISK Event type ke.
IDC Error ellipse: s-maj=30.1km s-min=20.9km az=152.0.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.6km az=179.0.
ATH Event type ke. Error ellipse: s-maj=1.9km s-min=0.8km az=192.0.
ISC III 02 05 59 36.1–.84 39.50N–.02 26.06E–.02 9–6 83 0-2
ISK III 02 05 59 35.7 39.51N 26.06E 6–0 2.9L ¶610680246
ATH III 02 05 59 36.6 39.48N 26.06E 12–2 2.7L
DDA III 02 05 59 36.4–.00 39.51N 26.11E 9–0 2.5L
THE III 02 05 59 36.2 39.50N 26.08E 7–1 2.8L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.3km s-min=0.9km az=217.0.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.6km az=177.0.
ISC III 02 07 18 50.3–.81 39.51N–.02 26.07E–.02 12–5 100 0-2
ISK III 02 07 18 49.8 39.51N 26.07E 10–0 3.4L ¶610680247
ATH III 02 07 18 50.6 39.50N 26.10E 13–1 3.0L
DDA III 02 07 18 50.2–.00 39.51N 26.11E 11–0 3.1L
THE III 02 07 18 50.5 39.51N 26.07E 10–2 2.8L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.9km s-min=0.9km az=253.0.
THE Event type ke. Error ellipse: s-maj=2.0km s-min=0.9km az=148.0.
ISC III 02 07 19 36.1–1.1 39.49N–.03 26.00E–.06 8–7 18 0-1
ISK III 02 07 19 35.6 39.49N 26.11E 13–1 2.7L ¶610680248
DDA III 02 07 19 36.0–.00 39.50N 25.93E 7–7 2.3L
ISC Event type ke.
ISK Event type ke.
ISC III 02 11 07 27.2–.30 37.62N–.02 38.43E–.01 12–1 5.3b,5.2s 1496 0-164
ISK III 02 11 07 24.4 37.49N 38.50E 15–0 5.7L,5.2s ¶610243233
DDA III 02 11 07 25.0–.00 37.60N 38.49E 10–0 5.5W,5.2s
PDG III 02 11 07 25.4 37.60N 38.49E 11 5.5W,5.2s
MCSM III 02 11 07 25.5–.70 38N–5.0 38E–4.0 15–1 5.5b,5.2s
IDC III 02 11 07 25.1–.30 37.66N 38.40E 0 5.1s,4.9
MED_R III 02 11 07 25.0–.20 37.59N 38.54E 12–1 5.6W,4.9
MOS III 02 11 07 25.1–.92 37.63N 38.40E 12 5.4b,5.1s
GII III 02 11 07 26.9–.00 37.58N 38.44E 10 5.4b,5.1s
GCMT III 02 11 07 26.9–.10 37.53N–.01 38.45E–.01 17–0 5.6W,5.1s
BGR III 02 11 07 26.3 37.53N 38.68E 21–1 5.0b,4.9s
NEIC III 02 11 07 26.8 37.59N 38.46E 14 5.0b,4.9s
NEIC III 02 11 07 26.8 37.39N 38.58E 14 5.0b,4.9s
NEIC III 02 11 07 26.8 37.58N 38.46E 10 5.0b,4.9s
NEIC III 02 11 07 26.9–1.2 37.62N–.05 38.43E–.05 10–1 5.7,5.6
DSN III 02 11 07 27.5–.51 37.45N 38.45E 15 5.6b,5.6
CFUSG III 02 11 07 29.2 37.60N 38.50E 10 4.0b,5.6
ISC Event type ke. Moment Tensor Solution. NP1:ϕs323.64423°,δ52.26396°,λ167.62897°. NP2: ϕs61.28979°,δ80.24529°,λ38.38941°. Principal axes: T Plg33.5437°,Azm289.6091° ; N Plg50.5768°,Azm73.3606°; P Plg18.2378°,Azm186.9904°
ISK Event type ke.
PDG Event type ke.
IDC Error ellipse: s-maj=6.8km s-min=5.9km az=123.0.
MED_R Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=40s. Moment Tensor Solution. Body waves: s10,c13; Mantle waves: s35,c80;Duration: 1s5 Moment tensor: Scale 10^{17}Nm; M_{rr}0.02±.05 $M_{\theta\theta}$-2.27±.05; $M_{\phi\phi}$2.25±.06; $M_{r\theta}$1.24±.19; $M_{\theta\phi}$0.12±.04; $M_{\phi r}$1.05±.16; Best double couple: NP1:ϕs227.00000°,δ90.00000°,λ-36.00000°. NP2:ϕs317.00000°,δ54.00000°,λ-179.00000°. Principal axes: T 2.7400,Plg24.0000°,Azm278.0000°; N 0.1000,Plg54.0000°,Azm46.0000° ; P -2.8300,Plg25.0000°,Azm176.0000° $M_0$2.78000×10^{17}
MOS Error ellipse: s-maj=4.0km s-min=2.9km az=105.0.
GII Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s105,c158; s151,c327;Duration: 1s5 Moment tensor: Scale 10^{17}Nm; M_{rr}0.20±.03 $M_{\theta\theta}$-2.60±.04; $M_{\phi\phi}$2.40±.03; $M_{r\theta}$1.51±.11; $M_{\theta\phi}$0.12±.03; $M_{\phi r}$0.15±.08; Best double couple: NP1:ϕs225.00000°,δ78.00000°,λ-21.00000°. NP2:ϕs319.00000°,δ69.00000°,λ-167.00000°. Principal axes: T 2.4220,Plg6.0000° ,Azm273.0000°; N 0.8360,Plg66.0000°,Azm16.0000°; P -3.2600,Plg24.0000°,Azm181.0000° $M_0$2.84100×10^{17}
BGR Event type ke.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 3s3 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.16 $M_{\theta\theta}$-2.07 $M_{\phi\phi}$2.23 $M_{r\theta}$1.85 $M_{\theta\phi}$0.17 $M_{\phi r}$0.73 NP1:ϕs227.20000°,δ83.63000° ,λ-39.52000°. NP2:ϕs322.43000°,δ50.77000°,λ-171.77000°. Principal axes: T 2.5549,Plg22.0000°,Azm281.0000°; N 0.6480,Plg50.0000°,Azm40.0000° ; P -3.2029,Plg32.0000°,Azm177.0000° $M_0$2.88000×10^{17}
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.7km s-min=6.0km az=338.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.72 $M_{\theta\theta}$-3.29 $M_{\phi\phi}$2.57 $M_{r\theta}$2.34 $M_{\theta\phi}$-0.75 $M_{\phi r}$1.69 NP1:ϕs309.02000°,δ44.96000°,λ173.42000°. NP2:ϕs43.69000°,δ85.36000° ,λ45.23000°. Principal axes: T 3.6244,Plg34.0000°,Azm277.0000°; N 1.0157,Plg45.0000° ,Azm48.0000°; P -4.6401,Plg26.0000°,Azm167.0000° $M_0$4.22000×10^{17}
DSN Error ellipse: s-maj=11.3km s-min=6.7km az=51.0.
CFUSG Eastern Turkey. Magtype MSH 4.8 from 4 stations.
ISC III 02 11 16 55.5–.92 37.58N–.02 38.47E–.02 12–7 49 0-3
DDA III 02 11 16 54.8–.00 37.58N 38.49E 8–1 4.2W ¶610918954
ISK III 02 11 16 55.9 37.54N 38.44E 18–0 3.7L
ISC Event type ke.
ISK Event type ke.
ISC III 02 11 18 17.5–1.1 37.57N–.02 38.46E–.02 3–8 3.7b 69 0-78
DDA III 02 11 18 16.7–.00 37.58N 38.49E 7–2 4.4W ¶612620031
IDC III 02 11 18 17.7–.80 37.54N 38.26E 0 3.7,3.6b
ISK III 02 11 18 18.1 37.57N 38.44E 8–0 4.0L,3.6b
GII III 02 11 18 23.2–.00 37.60N 38.50E 1–0 4.0L,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=12.9km s-min=11.3km az=136.0.
ISK Event type ke.
GII Event type ke.
ISC III 02 11 20 51.9–1.0 37.61N–.03 38.49E–.03 8–9 40 0-2
DDA III 02 11 20 51.5–.00 37.61N 38.48E 7–2 3.1L ¶610918956
ISK III 02 11 20 53.3 37.53N 38.49E 26–0 3.3L
ISC Event type ke.
ISK Event type ke.
ISC III 02 11 24 20.5–1.2 37.62N–.03 38.51E–.03 10–9 3.4b 61 0-95
IDC III 02 11 24 18.4–.87 37.70N 38.54E 0 3.7,3.7b ¶610545383
ISK III 02 11 24 20.1 37.59N 38.49E 10–0 4.2L,3.7b
GII III 02 11 24 38.0–.00 37.60N 38.50E 1–5 4.2L,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=13.9km s-min=10.3km az=156.0.
ISK Event type ke.
GII Event type ke.
ISC III 02 11 28 30.4–1.0 37.58N–.03 38.53E–.03 10–10 31 0-2
DDA III 02 11 28 29.4–.00 37.58N 38.51E 7–2 3.7W ¶610918957
ISK III 02 11 28 31.2 37.53N 38.48E 16–0 2.8L
ISC Event type ke.
ISK Event type ke.
ISC III 02 11 30 22.3–1.1 37.59N–.04 38.49E–.03 9–9 16 0-2
DDA III 02 11 30 21.4–.00 37.59N 38.49E 7–2 2.0L ¶610918961
ISK III 02 11 30 23.5 37.57N 38.47E 20–0 2.6L
ISC Event type ke.
ISK Event type ke.
ISC III 02 11 32 46.3–1.1 37.57N–.03 38.51E–.03 19–4 30 0-2
DDA III 02 11 32 46.5–.00 37.59N 38.49E 7–3 3.1W ¶610918962
ISK III 02 11 32 48.7 37.55N 38.51E 25–0 2.4L
ISC Event type ke.
ISK Event type ke.
DDA III 02 11 46 00.6–.00 37.59N 38.51E 7–2 2.7L
ISK III 02 11 46 00.9 37.63N 38.48E 6–0 2.7L ¶610918968
ISK Event type ke.
ISC III 02 11 47 47.8–.95 37.59N–.02 38.46E–.02 10–8 37 0-2
DDA III 02 11 47 47.1–.00 37.59N 38.48E 7–2 3.3W ¶610918969
ISK III 02 11 47 48.4 37.58N 38.43E 14–0 2.8L
ISC Event type ke.
ISK Event type ke.
ISC III 02 11 51 34.9–.98 37.57N–.03 38.50E–.03 10–8 26 0-2
DDA III 02 11 51 34.0–.00 37.57N 38.51E 7–2 3.1W ¶610918971
ISK III 02 11 51 35.4 37.55N 38.49E 18–0 2.6L
ISC Event type ke.
ISK Event type ke.
DDA III 02 12 04 10.0–.00 37.58N 38.50E 7–1 1.4L
¶616232535
ISC III 02 12 04 47.6–1.5 37.66N–.07 38.44E–.04 6–15 14 0-2
ISK III 02 12 04 48.4 37.58N 38.46E 23–0 2.6L ¶610918977
ISC Event type ke.
ISK Event type ke.
ISC III 02 12 06 05.7–1.1 37.59N–.03 38.50E–.02 7–9 37 0-3
DDA III 02 12 06 05.0–.00 37.58N 38.51E 7–3 3.1W ¶610918978
ISK III 02 12 06 06.3 37.55N 38.47E 17–0 2.9L
ISC Event type ke.
ISK Event type ke.
ISC III 02 12 10 24.7–1.0 37.57N–.03 38.54E–.03 10–8 30 0-2
DDA III 02 12 10 24.4–.00 37.58N 38.51E 7–2 2.5L ¶610918979
ISK III 02 12 10 24.7 37.64N 38.52E 8–0 2.8L
ISC Event type ke.
ISK Event type ke.
ISC III 02 12 11 55.8–.98 37.57N–.03 38.50E–.03 10–9 28 0-2
DDA III 02 12 11 55.0–.00 37.57N 38.50E 7–2 2.5L ¶610918980
ISK III 02 12 11 56.6 37.52N 38.50E 23–0 2.8L
ISC Event type ke.
ISK Event type ke.
ISC III 02 12 20 52.8–.98 37.58N–.03 38.47E–.03 9–8 31 0-2
DDA III 02 12 20 52.0–.00 37.58N 38.51E 7–2 2.4L ¶610918981
ISK III 02 12 20 53.4 37.53N 38.46E 15–0 2.7L
ISC Event type ke.
ISK Event type ke.
ISC III 02 12 28 25.4–1.1 37.60N–.04 38.47E–.03 10–12 21 0-2
DDA III 02 12 28 24.7–.00 37.59N 38.49E 7–2 2.5L ¶610918983
ISK III 02 12 28 26.2 37.59N 38.45E 17–0 2.4L
ISC Event type ke.
ISK Event type ke.
ISC III 02 12 32 56.9–.98 37.57N–.04 38.48E–.03 12–7 30 0-4
DDA III 02 12 32 56.2–.00 37.58N 38.49E 7–2 3.0L ¶612620051
ISK III 02 12 32 57.3 37.54N 38.48E 20–0 2.9L
ISC Event type ke.
ISK Event type ke.
ISC III 02 12 41 38.0–.99 37.62N–.03 38.46E–.03 12–8 33 0-2
DDA III 02 12 41 37.6–.00 37.62N 38.47E 6–1 2.7L ¶610918987
ISK III 02 12 41 38.5 37.63N 38.47E 23–0 2.7L
ISC Event type ke.
ISK Event type ke.
ISC III 02 13 03 39.2–1.1 37.63N–.03 38.49E–.03 5–10 29 0-2
ISK III 02 13 03 39.6 37.68N 38.48E 8–0 2.6L ¶610918989
DDA III 02 13 03 39.1–.00 37.58N 38.50E 7–2 2.4L
ISC Event type ke.
ISK Event type ke.
ISC III 02 13 11 49.7–1.1 37.61N–.03 38.48E–.02 6–10 40 0-4
DDA III 02 13 11 49.2–.00 37.61N 38.46E 7–2 3.1L ¶610918990
ISK III 02 13 11 50.4 37.57N 38.47E 22–0 3.1L
ISC Event type ke.
ISK Event type ke.
ISC III 02 13 26 57.9–1.1 37.59N–.03 38.45E–.02 6–10 33 0-2
DDA III 02 13 26 57.4–.00 37.59N 38.47E 11–2 2.6L ¶610918992
ISK III 02 13 26 58.6 37.60N 38.43E 13–0 3.0L
ISC Event type ke.
ISK Event type ke.
ISC III 02 13 44 12.4–.91 37.57N–.02 38.50E–.02 11–7 72 0-3
DDA III 02 13 44 11.8–.00 37.58N 38.50E 7–2 3.8W ¶610918996
ISK III 02 13 44 13.0 37.54N 38.48E 21–0 3.9L
ISC Event type ke.
ISC III 02 13 47 12.4–.76 37.60N–.03 38.55E–.02 9 50 0-3
DDA III 02 13 47 13.7–.00 37.58N 38.50E 12–2 3.6W ¶610918997
ISK III 02 13 47 15.3 37.50N 38.50E 24–0 3.6L
ISC Event type ke.
ISK Event type ke.
ISC III 02 14 46 36.9–1.2 37.60N–.03 38.44E–.03 4–11 23 0-2
DDA III 02 14 46 36.3–.00 37.61N 38.46E 7–1 2.6L ¶612620067
ISK III 02 14 46 37.9 37.60N 38.43E 16–0 2.6L
ISC Event type ke.
ISK Event type ke.
ISC III 02 14 55 20.5–1.1 37.60N–.03 38.52E–.02 7–10 34 0-3
DDA III 02 14 55 20.0–.00 37.58N 38.52E 7–1 3.6L ¶610919019
ISK III 02 14 55 20.7 37.62N 38.49E 11–0 3.5L
ISC Event type ke.
ISK Event type ke.
ISC III 02 15 11 22.8–1.1 37.54N–.03 38.48E–.02 5–11 27 0-2
DDA III 02 15 11 22.4–.00 37.56N 38.48E 7–2 2.3L ¶610919024
ISK III 02 15 11 24.3 37.52N 38.47E 17–0 2.5L
ISC Event type ke.
ISK Event type ke.
ISC III 02 16 33 50.9–.83 39.50N–.02 26.09E–.02 14–6 75 0-2
DDA III 02 16 33 50.4–.00 39.50N 26.09E 7–3 2.1L ¶610680257
ISK III 02 16 33 50.3 39.50N 26.10E 6–0 2.5L
ATH III 02 16 33 51.4 39.49N 26.07E 13–1 2.1L
THE III 02 16 33 51.0 39.50N 26.10E 13–1 2.2L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.2km s-min=0.8km az=238.0.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.6km az=102.0.
ISC III 02 16 44 10.5–.91 37.57N–.03 38.49E–.02 11–8 43 0-2
DDA III 02 16 44 10.0–.00 37.57N 38.51E 7–2 3.3L ¶610919039
ISK III 02 16 44 11.1 37.55N 38.46E 19–0 3.5L
ISC Event type ke.
ISK Event type ke.
ISC III 02 16 45 15.9–.87 37.57N–.03 38.53E–.02 17–7 43 0-5
DDA III 02 16 45 16.1–.00 37.56N 38.50E 7–2 3.8L ¶610919040
ISK III 02 16 45 17.8 37.54N 38.48E 19–0 3.9L
ISC Event type ke.
ISK Event type ke.
ISC III 02 17 03 03.4–1.1 37.60N–.02 38.49E–.02 1–9 3.3b 98 0-78
DDA III 02 17 03 02.0–.00 37.58N 38.50E 8–2 4.0W ¶610545401
IDC III 02 17 03 03.6–.88 37.42N 38.27E 0 3.4,3.3b
ISK III 02 17 03 03.1 37.55N 38.48E 20–0 4.1L,3.3b
GII III 02 17 03 20.6–.00 37.59N 38.49E 10 4.1L,3.3b
ISC Event type ke.
IDC Error ellipse: s-maj=12.8km s-min=10.5km az=136.0.
ISK Event type ke.
GII Event type ke.
ISC III 02 17 38 42.0–1.0 37.59N–.05 38.50E–.03 8–9 20 0-2
DDA III 02 17 38 41.4–.00 37.58N 38.51E 7–1 2.8L ¶610919054
ISK III 02 17 38 43.3 37.55N 38.52E 20–0 3.0L
ISC Event type ke.
ISK Event type ke.
ISK III 02 18 46 35.6 37.95N 27.27E 11–0 2.2L
DDA III 02 18 46 35.4–.00 37.91N 27.21E 7–5 1.5L ¶610919068
ISK Event type ke.

ISC	III	02 18 50 08.5–1.1	37.57N–.03	38.48E–.03	8–11		25 0-2	
DDA	III	02 18 50 08.0–.00	37.58N	38.50E	7–1	2.3L		¶610919069
ISK	III	02 18 50 09.6	37.52N	38.47E	18–0	2.5L		
ISC	Event type ke.							
ISK	Event type ke.							
ISC	III	02 18 54 27.1–1.1	37.57N–.03	38.54E–.02	20–3		26 0-2	
DDA	III	02 18 54 26.6–.00	37.57N	38.50E	7–2	2.4L		¶610919070
ISK	III	02 18 54 28.5	37.50N	38.47E	20–0	2.6L		
ISC	Event type ke.							
ISK	Event type ke.							
ISC	III	02 19 01 41.4–1.0	39.98N–.02	41.41E–.02	6–9		43 0-4	
ISK	III	02 19 01 40.7	39.96N	41.41E	10–0	2.9L		¶610617518
TIF	III	02 19 01 40.0	39.96N	41.38E	5–2	2.9L		
DDA	III	02 19 01 41.6–.00	39.94N	41.42E	7–4	2.5L		
ISC	Event type ke.							
ISK	Event type ke.							
ISC	III	02 19 11 16.3–.95	37.56N–.05	38.45E–.04	14–8		16 0-2	
DDA	III	02 19 11 16.3–.00	37.72N	38.39E	7–3	2.4L		¶610919071
ISK	III	02 19 11 16.8	37.50N	38.50E	22–0	2.7L		
ISC	Event type ke.							
ISK	Event type ke.							
ISC	III	02 23 10 52.9–.98	37.59N–.02	38.50E–.02	9–8		94 0-7	
DDA	III	02 23 10 53.0–.00	37.61N	38.48E	10–1	3.7W		¶610919136
ISK	III	02 23 10 54.6	37.55N	38.48E	24–0	3.7L		
GII	III	02 23 11 10.3–.00	37.61N	38.48E	12	3.7L		
ISC	Event type ke.							
ISK	Event type ke.							
GII	Event type ke.							
ISC	III	02 23 43 40.3–1.1	37.60N–.03	38.47E–.02	4–10		28 0-3	
DDA	III	02 23 43 39.9–.00	37.58N	38.49E	7–2	2.1L		¶610919147
ISK	III	02 23 43 40.9	37.64N	38.48E	8–0	2.5L		
ISC	Event type ke.							
ISK	Event type ke.							
ISC	III	02 23 59 42.9–.84	39.49N–.01	26.06E–.02	11–6		102 0-4	
ISK	III	02 23 59 42.4	39.50N	26.05E	9–0	2.7L		¶610680265
ATH	III	02 23 59 43.5	39.48N	26.04E	12–2	2.7L		
DDA	III	02 23 59 43.2–.00	39.52N	26.10E	6–0	2.5L		
THE	III	02 23 59 43.1	39.50N	26.03E	4–1	2.6L		
ISC	Event type ke.							
ISK	Event type ke.							
ATH	Event type ke. Error ellipse: s-maj=2.1km s-min=1.0km az=203.0.							
THE	Event type ke. Error ellipse: s-maj=1.3km s-min=0.4km az=190.0.							
ISC	III	03 00 01 27.8–.98	37.60N–.04	38.47E–.03	9–8		22 0-2	
DDA	III	03 00 01 26.9–.00	37.61N	38.47E	7–1	1.6L		¶612620118
ISK	III	03 00 01 28.3	37.64N	38.41E	8–0	1.7L		
ISC	Event type ke.							
ISK	Event type ke.							
ISC	III	03 01 30 46.2–1.2	37.60N–.03	38.51E–.02	2–11		33 0-3	
DDA	III	03 01 30 46.0–.00	37.58N	38.50E	7–2	2.3L		¶610919171
ISK	III	03 01 30 47.9	37.51N	38.48E	19–0	2.6L		
ISC	Event type ke.							
ISK	Event type ke.							
ISC	III	03 05 04 57.0–1.2	37.59N–.02	38.49E–.02	2–10		64 0-6	
DDA	III	03 05 04 56.5–.00	37.59N	38.49E	9–1	3.6W		¶610919223
ISK	III	03 05 04 57.7	37.56N	38.47E	18–0	3.8L		
GII	III	03 05 05 13.0–.00	37.75N	38.04E	1–0	3.9		
ISC	Event type ke.							
ISK	Event type ke.							
GII	Event type ke.							
ISC	III	03 05 31 09.5–.84	39.49N–.01	26.05E–.02	10–6		104 0-4	
ISK	III	03 05 31 08.8	39.50N	26.04E	5–0	3.0L		¶610680277
THE	III	03 05 31 09.6	39.49N	26.05E	4–1	3.0L		
DDA	III	03 05 31 09.0–.00	39.49N	26.07E	7–3	2.9L		
ATH	III	03 05 31 09.8	39.49N	26.06E	11–1	3.0L		
ISC	Event type ke.							
ISK	Event type ke.							
THE	Event type ke. Error ellipse: s-maj=1.3km s-min=0.4km az=172.0.							
ATH	Event type ke. Error ellipse: s-maj=2.2km s-min=0.8km az=228.0.							
ISC	III	03 06 39 12.4–.97	37.60N–.03	38.45E–.02	9–8		33 0-2	
DDA	III	03 06 39 11.7–.00	37.60N	38.46E	7–3	2.6L		¶610919238
ISK	III	03 06 39 13.4	37.57N	38.44E	19–0	2.9L		
ISC	Event type ke.							
ISK	Event type ke.							
ISC	III	03 07 21 57.1–.85	39.50N–.02	26.05E–.02	8–5		78 0-2	
ISK	III	03 07 21 56.5	39.50N	26.04E	6–0	2.5L		¶610680279
ATH	III	03 07 21 57.3	39.48N	26.04E	10–4	2.4L		
DDA	III	03 07 21 57.3–.00	39.50N	26.09E	8–0	2.4L		
THE	III	03 07 21 57.2	39.50N	26.07E	2–2	2.4L		
ISC	Event type ke.							
ISK	Event type ke.							
ATH	Event type ke. Error ellipse: s-maj=4.3km s-min=1.1km az=205.0.							
THE	Event type ke. Error ellipse: s-maj=2.4km s-min=0.6km az=181.0.							
ISC	III	03 07 50 18.9–.99	37.57N–.03	38.51E–.02	10–9		44 0-2	
DDA	III	03 07 50 18.5–.00	37.59N	38.51E	10–1	3.2L		¶610919248
ISK	III	03 07 50 19.2	37.55N	38.50E	14–0	3.3L		
ISC	Event type ke.							
ISK	Event type ke.							
DDA	III	03 08 57 46.5–.00	37.16N	37.14E	7–6	1.7L		
								¶616602515
DDA	III	03 09 53 12.5–.00	39.21N	29.38E	10–1	2.3L		
								¶612620155
ISC	III	03 11 17 49.8–.92	37.59N–.03	38.48E–.02	12–7		29 0-2	
DDA	III	03 11 17 49.3–.00	37.61N	38.48E	7–2	2.6L		¶610919282
ISK	III	03 11 17 50.1	37.54N	38.46E	15–0	2.7L		
ISC	Event type ke.							
ISK	Event type ke.							
ISC	III	03 11 21 32.8–.91	37.56N–.03	38.49E–.02	12–7		31 0-2	
ISK	III	03 11 21 32.6	37.53N	38.45E	11–0	2.5L		¶610919283
DDA	III	03 11 21 32.3–.00	37.58N	38.50E	7–1	2.2L		
ISC	Event type ke.							
ISK	Event type ke.							
ISC	III	03 11 23 20.5–.79	39.49N–.02	26.06E–.02	10–5		85 0-2	
ISK	III	03 11 23 19.9	39.49N	26.06E	9–0	2.6L		¶610680289
THE	III	03 11 23 20.6	39.49N	26.05E	7–1	2.4L		
DDA	III	03 11 23 20.6–.00	39.50N	26.08E	9–0	2.5L		
ATH	III	03 11 23 20.9	39.50N	26.05E	7–2	2.3L		
ISC	Event type ke.							
ISK	Event type ke.							
THE	Event type ke. Error ellipse: s-maj=1.7km s-min=0.6km az=164.0.							
ATH	Event type ke. Error ellipse: s-maj=2.8km s-min=0.7km az=228.0.							
ISC	III	03 11 27 24.0–.83	39.49N–.02	26.06E–.02	10–5		82 0-2	
ISK	III	03 11 27 23.5	39.49N	26.05E	12–0	2.7L		¶610680290
DDA	III	03 11 27 24.2–.00	39.50N	26.08E	9–0	2.7L		
THE	III	03 11 27 24.4	39.50N	26.05E	5–1	2.5L		
ATH	III	03 11 27 24.5	39.50N	26.06E	11–2	2.3L		
ISC	Event type ke.							
ISK	Event type ke.							
THE	Event type ke. Error ellipse: s-maj=1.1km s-min=0.4km az=175.0.							
ATH	Event type ke. Error ellipse: s-maj=2.1km s-min=0.8km az=163.0.							
ISC	III	03 13 20 53.8–.90	38.69N–.03	42.63E–.03	14–7		25 0-2	
ISK	III	03 13 20 53.2	38.69N	42.63E	16–0	2.5L		¶610919298
DDA	III	03 13 20 54.0–.00	38.74N	42.55E	7–1	2.3L		
ISC	Event type ke.							
ISK	Event type ke.							
ISC	III	03 17 35 02.8–.81	39.56N–.01	26.08E–.02	12–5		142 0-8	
SOF	III	03 17 35 01.3	39.56N	26.10E	8	3.2		¶610680295
DDA	III	03 17 35 02.8–.00	39.56N	26.12E	7–0	3.2L		
ISK	III	03 17 35 02.4	39.56N	26.08E	8–0	3.2L		
ATH	III	03 17 35 03.3	39.55N	26.08E	10–1	2.8L		
THE	III	03 17 35 03.0	39.56N	26.09E	9–0	3.2L		
ISC	Event type ke.							
ISK	Event type ke.							
ATH	Event type ke. Error ellipse: s-maj=2.3km s-min=0.8km az=220.0.							
THE	Event type ke. Error ellipse: s-maj=0.6km s-min=0.3km az=151.0.							
ISC	III	03 17 49 59.1–.82	39.50N–.01	26.05E–.02	10–5		108 0-3	
ISK	III	03 17 49 58.6	39.50N	26.04E	6–0	2.7L		¶610680296
DDA	III	03 17 49 59.2–.00	39.50N	26.07E	15–1	2.7L		
ATH	III	03 17 49 59.5	39.51N	26.05E	10–2	2.6L		
THE	III	03 17 49 59.4	39.50N	26.04E	5–0	2.6L		
ISC	Event type ke.							
ISK	Event type ke.							
ATH	Event type ke. Error ellipse: s-maj=2.3km s-min=0.8km az=204.0.							
THE	Event type ke. Error ellipse: s-maj=0.7km s-min=0.2km az=179.0.							
ISC	III	03 18 36 36.5–.97	37.61N–.04	38.46E–.03	15–8		24 0-2	
DDA	III	03 18 36 37.7–.00	37.63N	38.35E	7–3	2.0L		¶610919324
ISK	III	03 18 36 37.1	37.51N	38.57E	27–0	2.1L		
ISC	Event type ke.							
ISK	Event type ke.							
ISC	III	03 18 36 51.2–.89	37.52N–.04	35.71E–.03	12–6		23 0-2	
ISK	III	03 18 36 50.7	37.56N	35.67E	5–0	1.9L		¶610919325
DDA	III	03 18 36 51.7–.00	37.49N	35.66E	7–3	1.9L		
ISC	Event type ke.							
ISK	Event type ke.							
ISC	III	03 20 51 53.9–.89	37.66N–.02	38.50E–.02	13–7		67 0-6	
DDA	III	03 20 51 53.5–.00	37.62N	38.47E	11–1	3.7W		¶610919340
ISK	III	03 20 51 53.6	37.59N	38.44E	11–0	3.8L		
GII	III	03 20 51 55.2–.00	37.62N	38.47E	11	3.8		
ISC	Event type ke.							
ISK	Event type ke.							
GII	Event type ke.							
ISC	III	03 21 30 40.0–.97	37.61N–.02	38.46E–.02	9–9		61 0-5	
DDA	III	03 21 30 39.2–.00	37.60N	38.48E	8–2	3.6W		¶610919342
ISK	III	03 21 30 39.3	37.61N	38.45E	10–0	3.6L		
ISC	Event type ke.							
ISK	Event type ke.							
DDA	III	03 23 41 25.8–.00	39.54N	26.19E	7–0	1.4L		
ISK	III	03 23 41 25.4	39.52N	26.16E	8–0	1.7L		¶610919362
ISK	Event type ke.							
ISK	III	04 00 25 22.8	39.48N	26.05E	13–0	1.6L		
								¶616602517
ISK	Event type ke.							
DDA	III	04 00 47 11.3–.00	37.58N	38.50E	7–2	1.8L		
ISK	III	04 00 47 12.4	37.51N	38.56E	24–0	2.0L		¶610919370
ISK	Event type ke.							
DDA	III	04 00 49 39.6–.00	37.58N	38.49E	7–2	1.5L		
ISK	III	04 00 49 41.6	37.54N	38.55E	19–0	1.7L		¶610919371
ISK	Event type ke.							
ISC	III	04 04 00 41.6–.99	37.60N–.02	38.47E–.01	9–9		119 0-4	
DDA	III	04 04 00 41.5–.00	37.60N	38.48E	12–1	3.7W		¶610919400
ISK	III	04 04 00 42.4	37.55N	38.46E	17–0	3.7L		
ISC	Event type ke.							
ISK	Event type ke.							
ISC	III	04 09 57 49.9–.83	39.52N–.02	26.11E–.03	15–5		48 0-2	
ISK	III	04 09 57 49.4	39.52N	26.10E	13–0	2.6L		¶610919435
DDA	III	04 09 57 50.2–.00	39.53N	26.13E	12–0	2.3L		
ISC	Event type ke.							
ISK	Event type ke.							
ISC	III	04 11 31 48.0–.90	37.60N–.03	38.46E–.02	12–7		27 0-2	
DDA	III	04 11 31 47.7–.00	37.61N	38.47E	7–1	2.2L		¶610919445
ISK	III	04 11 31 47.9	37.59N	38.43E	14–0	2.5L		
ISC	Event type ke.							
ISK	Event type ke.							
ISC	III	04 21 13 25.1–1.4	37.23N–.04	30.47E–.04	110–9		70 0-8	
NIC	III	04 21 13 25.6–.00	37.10N	30.49E	118–1	3.5L		¶610271525
ISK	III	04 21 13 26.2	37.28N	30.44E	96–1	2.8L		
GII	III	04 21 13 28.2–.00	36.90N	30.63E	20	2.9		
ISC	Event type ke.							
NIC	Event type ke.							
ISK	Event type ke.							
GII	Event type ke.							
ISK	III	04 22 40 37.9	39.52N	26.13E	6–0	1.4L		
								¶610919504
ISK	Event type ke.							
DDA	III	04 22 41 27.8–.00	39.54N	26.10E	7–1	1.1L		
								¶616602526
ISC	III	05 05 40 22.9–.96	37.16N–.02	28.55E–.01	7–7	3.8b	125 0-40	
IDC	III	05 05 40 21.4–1.3	37.06N	28.73E	0	3.6b,3.5		¶610545575
ISK	III	05 05 40 21.5	37.16N	28.56E	1–0	3.2L,3.5		
DDA	III	05 05 40 22.0–.00	37.15N	28.56E	1–0	3.4W,3.5		
THE	III	05 05 40 22.9	37.19N	28.51E	1–2	3.1L,3.5		
ATH	III	05 05 40 25.1	37.18N	28.55E	10–31	3.2L,3.5		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=24.7km s-min=17.2km az=144.0.							
ISK	Event type ke.							
THE	Event type ke. Error ellipse: s-maj=2.1km s-min=1.4km az=344.0.							
ATH	Event type ke. Error ellipse: s-maj=31.6km s-min=1.4km az=0.0.							
ISC	III	05 06 26 20.9–.93	37.55N–.02	38.50E–.02	10–7		70 0-4	
DDA	III	05 06 26 20.5–.00	37.58N	38.50E	10–1	3.2L		¶610919539
ISK	III	05 06 26 22.0	37.53N	38.55E	21–0	3.5L		
ISC	Event type ke.							
ISK	Event type ke.							
DDA	III	05 08 49 13.9–.00	39.41N	28.13E	8–5	1.5L		
								¶616602508
ISK	III	05 08 49 16.8	39.50N	26.06E	9–2	1.4L		
								¶610919546
ISK	Event type ke.							
ISC	III	05 09 25 59.7–.95	40.74N–.03	27.42E–.03	15–7		41 0-3	
DDA	III	05 09 25 59.7–.00	40.75N	27.38E	7–2	2.3L		¶610680326
ISK	III	05 09 26 00.6	40.72N	27.36E	11–2	2.5L		
ATH	III	05 09 26 01.2	40.62N	27.32E	13–5	2.1L		
THE	III	05 09 26 02.3	40.72N	27.37E	31–4	2.1L		
ISC	Event type ke.							
ISK	Event type ke.							
ATH	Event type ke. Error ellipse: s-maj=13.4km s-min=4.4km az=66.0.							
THE	Event type ke. Error ellipse: s-maj=4.9km s-min=0.8km az=166.0.							
ISC	III	05 19 36 14.9–1.1	37.59N–.04	38.51E–.03	5–10		24 0-8	
DDA	III	05 19 36 14.5–.00	37.59N	38.49E	7–2	1.5L		¶610919611
ISK	III	05 19 36 15.4	37.61N	38.50E	5–0	1.5L		
ISC	Event type ke.							
ISK	Event type ke.							
ISC	III	05 22 48 27.5–.84	40.39N–.02	27.04E–.02	17–7		61 0-2	
ISK	III	05 22 48 27.1	40.39N	27.04E	10–0	2.3L		¶610919641
DDA	III	05 22 48 27.2–.00	40.36N	27.02E	7–3	2.4L		
ISC	Event type ke.							
ISK	Event type ke.							
ISC	III	06 02 20 32.0–1.3	36.45N–.03	31.65E–.03	96–8		91 0-6	
NIC	III	06 02 20 28.4–.00	36.77N	31.78E	107–12	2.7L		¶610305217
DDA	III	06 02 20 33.2–.00	36.50N	31.56E	68–1	2.2L		
ISK	III	06 02 20 33.1	36.45N	31.62E	80–2	2.2L		
GII	III	06 02 20 40.1–.60	36.05N	32.12E	100	2.2		
ISC	Event type ke.							
NIC	Event type ke.							
ISK	Event type ke.							
GII	Event type ke.							
ISC	III	06 03 50 30.7–1.1	37.58N–.03	38.49E–.02	3–10		50 0-4	
DDA	III	06 03 50 30.5–.00	37.60N	38.50E	11–1	3.1L		¶610919666
ISK	III	06 03 50 30.8	37.59N	38.52E	5–0	3.1L		
ISC	Event type ke.							
ISK	Event type ke.							
ISC	III	06 13 43 56.3–.93	38.70N–.03	42.62E–.03	14–7		31 0-2	
DDA	III	06 13 43 56.0–.00	38.71N	42.61E	16–0	2.6L		¶610919686
ISK	III	06 13 43 56.1	38.69N	42.63E	12–0	2.4L		

ISC Event type ke.
ISK Event type ke.
ISC III 06 15 07 53.8–1.0 37.23N–.03 28.62E–.02 10–9 29 0-1
ISK III 06 15 07 53.2 37.25N 28.60E 10–0 2.5L ¶610919689
DDA III 06 15 07 54.0–.00 37.23N 28.61E 7–3 2.2L
ISC Event type ke.
ISK Event type ke.
ISC III 06 15 57 48.6–.79 39.51N–.02 26.14E–.02 14–5 65 0-3
ISK III 06 15 57 48.1 39.52N 26.12E 14–0 2.9L ¶610680351
THE III 06 15 57 49.0 39.53N 26.14E 6–1 2.8L
DDA III 06 15 57 49.0–.00 39.54N 26.18E 10–0 2.5L
ATH III 06 15 57 49.3 39.48N 26.13E 17–2 2.8L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.6km az=163.0.
ATH Event type ke. Error ellipse: s-maj=3.0km s-min=0.9km az=91.0.
ISC III 06 19 14 42.0–.82 39.52N–.02 26.16E–.02 13–6 68 0-2
ISK III 06 19 14 41.5 39.52N 26.18E 12–0 2.7L ¶610680353
ATH III 06 19 14 42.3 39.51N 26.15E 13–2 2.5L
DDA III 06 19 14 42.1–.00 39.53N 26.20E 7–3 2.4L
THE III 06 19 14 42.2 39.53N 26.14E 4–1 2.4L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.4km s-min=0.9km az=221.0.
THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.3km az=164.0.
ISK III 06 19 42 20.6 39.51N 26.22E 7–0 2.0L
DDA III 06 19 42 21.2–.00 39.53N 26.22E 7–1 1.7L ¶610919702
ISK Event type ke.
ISC III 07 04 54 35.5–.96 37.12N–.02 28.62E–.02 10–7 4.0b 128 0-42
IDC III 07 04 54 34.1–.84 37.11N 28.68E 0 3.9,3.9b ¶610545699
ISK III 07 04 54 34.8 37.12N 28.60E 6–0 3.7L,3.9b
THE III 07 04 54 34.7 37.16N 28.63E 1–0 3.5L,3.9b
DDA III 07 04 54 35.2–.00 37.13N 28.64E 7–4 3.6W,3.9b
ATH III 07 04 54 35.6 37.11N 28.64E 5–31 3.6L,3.9b
ISC Event type ke.
IDC Error ellipse: s-maj=16.1km s-min=14.1km az=169.0.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=0.7km s-min=0.5km az=50.0.
ATH Event type ke. Error ellipse: s-maj=31.6km s-min=1.4km az=0.0.
DDA III 07 09 02 04.1–.00 37.67N 32.41E 7–2 1.5L
¶616602510
ISC III 07 13 24 41.8–.84 39.55N–.02 26.10E–.03 11–6 54 0-2
DDA III 07 13 24 41.6–.00 39.54N 26.10E 10–1 2.4L ¶610680365
ISK III 07 13 24 41.4 39.54N 26.10E 8–0 2.6L
THE III 07 13 24 41.9 39.55N 26.09E 5–9 2.2L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=9.3km s-min=0.5km az=121.0.
ISC III 07 13 47 29.9–.85 39.53N–.02 26.09E–.02 12–6 57 0-2
ISK III 07 13 47 29.4 39.54N 26.06E 11–0 2.6L ¶610680366
DDA III 07 13 47 30.0–.00 39.53N 26.12E 10–0 2.3L
THE III 07 13 47 30.1 39.53N 26.09E 9–2 2.3L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=2.8km s-min=0.5km az=121.0.
ISC III 07 14 39 25.0–1.2 36.17N–.03 29.35E–.02 15–10 58 0-3
ATH III 07 14 39 24.4 36.23N 29.57E 37–2 3.1L ¶610680367
DDA III 07 14 39 24.0–.00 36.13N 29.36E 38–0 3.2L
THE III 07 14 39 25.6 36.15N 29.29E 0–0 3.0L
ISK III 07 14 39 25.3 36.18N 29.33E 17–0 3.3L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.6km s-min=1.4km az=159.0.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.5km az=187.0.
ISK Event type ke.
ISK III 07 20 02 37.4 39.56N 26.08E 10–0 1.9L
DDA III 07 20 02 38.0–.00 39.56N 26.11E 7–1 1.5L ¶610919779
ISK Event type ke.
ISC III 07 20 53 39.1–.80 39.51N–.02 26.14E–.02 11–5 71 0-2
ISK III 07 20 53 38.6 39.52N 26.13E 12–0 2.6L ¶610680372
THE III 07 20 53 39.2 39.51N 26.13E 5–1 2.3L
ATH III 07 20 53 39.7 39.51N 26.13E 10–2 2.6L
DDA III 07 20 53 39.2–.00 39.52N 26.17E 9–0 2.5L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.4km az=208.0.
ATH Event type ke. Error ellipse: s-maj=3.3km s-min=0.9km az=228.0.
ISC III 07 23 02 26.0–.80 39.49N–.02 26.16E–.02 13–5 88 0-2
ISK III 07 23 02 25.8 39.51N 26.13E 12–0 2.5L ¶610680374
THE III 07 23 02 26.1 39.50N 26.16E 6–1 2.2L
ATH III 07 23 02 26.6 39.48N 26.16E 11–3 2.1L
DDA III 07 23 02 26.3–.00 39.51N 26.20E 7–1 2.1L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.4km az=191.0.
ATH Event type ke. Error ellipse: s-maj=3.8km s-min=0.9km az=220.0.
ISC III 08 04 07 50.9–.91 37.57N–.03 38.51E–.02 12–7 38 0-2
DDA III 08 04 07 50.8–.00 37.59N 38.51E 8–2 2.5L ¶610919810
ISK III 08 04 07 51.4 37.52N 38.51E 14–0 2.5L
ISC Event type ke.
ISK Event type ke.
ISC III 08 04 10 28.6–1.0 37.59N–.03 38.47E–.02 6–9 37 0-2
ISK III 08 04 10 28.5 37.59N 38.53E 4–0 2.6L ¶610919811
DDA III 08 04 10 28.2–.00 37.60N 38.46E 7–2 2.4L
ISC Event type ke.
ISK Event type ke.
ISC III 08 05 13 12.8–.95 37.56N–.03 38.51E–.02 10–7 56 0-3
DDA III 08 05 13 12.6–.00 37.59N 38.50E 7–2 3.3L ¶610919817
ISK III 08 05 13 12.6 37.48N 38.52E 14–0 3.4L
ISC Event type ke.
ISK Event type ke.
ISC III 08 05 43 07.4–.91 37.61N–.03 38.49E–.03 12–7 40 0-2
DDA III 08 05 43 07.0–.00 37.61N 38.47E 7–1 2.8L ¶610919819
ISK III 08 05 43 08.0 37.53N 38.53E 22–0 2.6L
ISC Event type ke.
ISK Event type ke.
ISC III 08 09 01 16.5–.81 39.50N–.01 26.11E–.02 13–5 110 0-4
ISK III 08 09 01 15.8 39.52N 26.06E 4–0 3.3L ¶610680387
DDA III 08 09 01 16.5–.00 39.49N 26.16E 13–1 3.1L
THE III 08 09 01 16.8 39.51N 26.12E 5–0 2.9L
ATH III 08 09 01 17.1 39.49N 26.10E 14–1 2.9L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=0.9km s-min=0.4km az=216.0.
ATH Event type ke. Error ellipse: s-maj=1.7km s-min=0.8km az=225.0.
ISC III 08 11 26 48.7–1.1 37.57N–.03 38.51E–.02 5–10 42 0-3
DDA III 08 11 26 48.5–.00 37.59N 38.50E 7–1 3.6W ¶610919840
ISK III 08 11 26 49.7 37.55N 38.44E 13–0 3.5L
ISC Event type ke.
ISK Event type ke.
ISC III 08 12 22 16.0–1.1 37.60N–.04 38.47E–.03 7–10 30 0-3
DDA III 08 12 22 15.6–.00 37.61N 38.49E 7–2 2.5L ¶610919843
ISK III 08 12 22 16.0 37.63N 38.50E 5–0 2.9L
ISC Event type ke.
ISK Event type ke.
ISC III 08 12 29 46.3–1.0 37.31N–.03 37.11E–.02 5–9 26 0-2
DDA III 08 12 29 45.8–.00 37.33N 37.11E 7–1 2.5L ¶610919845
ISK III 08 12 29 45.8 37.31N 37.10E 5–0 2.3L
ISC Event type ke.
ISK Event type ke.
ISC III 08 19 03 37.7–.86 39.56N–.02 26.06E–.02 14–6 83 0-3
DDA III 08 19 03 37.9–.00 39.58N 26.10E 7–1 2.6L ¶610680392
ISK III 08 19 03 37.1 39.55N 26.05E 8–0 2.8L
THE III 08 19 03 37.8 39.56N 26.05E 6–9 2.5L
ATH III 08 19 03 38.2 39.54N 26.03E 13–2 2.5L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=9.1km s-min=0.5km az=119.0.
ATH Event type ke. Error ellipse: s-maj=2.7km s-min=0.8km az=225.0.
ISC III 08 20 09 58.9–.78 39.98N–.01 27.68E–.01 17–5 3.6b 204 0-58
IDC III 08 20 09 48.5–6.2 39.08N 26.88E 0 4.1L,3.6s ¶610545831
SOF III 08 20 09 51.2 39.62N 27.89E 2 4.3,3.6s
ISK III 08 20 09 58.3 39.98N 27.66E 8–0 4.0L,3.6s
DDA III 08 20 09 58.4–.00 39.97N 27.65E 15–0 4.1W,3.6s
THE III 08 20 09 59.5 39.97N 27.55E 0–1 3.9L,3.6s
CFUSG III 08 20 10 02.1 40.30N 27.90E 5 3.3b,3.6s
ISC Event type ke.
IDC Error ellipse: s-maj=94.6km s-min=22.2km az=40.0.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=2.6km s-min=1.0km az=89.0.
CFUSG Western Turkey. Magtype MSH 3.3 from 4 stations.
ISC III 08 22 31 25.8–1.0 37.60N–.03 38.47E–.02 6–10 52 0-4
DDA III 08 22 31 25.3–.00 37.62N 38.47E 10–2 3.3L ¶610919868
ISK III 08 22 31 25.4 37.54N 38.47E 16–0 3.5L
ISC Event type ke.
ISK Event type ke.
ISC III 09 03 10 54.3–.84 39.56N–.02 26.07E–.02 11–6 84 0-2
DDA III 09 03 10 53.2–.00 39.53N 26.07E 15–1 2.7L ¶610680395
ISK III 09 03 10 53.8 39.56N 26.05E 8–0 2.8L
THE III 09 03 10 54.3 39.56N 26.05E 3–3 2.5L
ATH III 09 03 10 54.6 39.56N 26.05E 9–5 2.8L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=3.8km s-min=0.7km az=147.0.
ATH Event type ke. Error ellipse: s-maj=5.4km s-min=1.0km az=220.0.
ISC III 09 13 14 23.5–.83 39.55N–.01 26.06E–.02 12–6 91 0-2
ISK III 09 13 14 22.9 39.55N 26.06E 11–0 3.2L ¶610680405
ATH III 09 13 14 24.0 39.54N 26.05E 8–2 2.8L
THE III 09 13 14 23.3 39.55N 26.04E 7–1 2.9L
DDA III 09 13 14 23.4–.00 39.54N 26.09E 7–2 3.0L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.6km s-min=0.9km az=237.0.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.8km az=243.0.
ISC III 09 13 16 21.5–.81 39.55N–.02 26.08E–.02 11–5 87 0-2
DDA III 09 13 16 21.4–.00 39.55N 26.10E 11–0 2.6L ¶610680406
ISK III 09 13 16 21.0 39.55N 26.08E 7–0 2.9L
THE III 09 13 16 21.4 39.55N 26.06E 8–1 2.4L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.6km az=230.0.
ISC III 09 13 30 27.8–.87 39.56N–.02 26.07E–.02 11–6 81 0-2
DDA III 09 13 30 27.8–.00 39.54N 26.09E 7–3 2.5L ¶610680407
THE III 09 13 30 27.8 39.55N 26.06E 8–2 2.4L
ISK III 09 13 30 27.2 39.56N 26.06E 8–0 2.9L
ATH III 09 13 30 28.3 39.56N 26.06E 6–3 2.5L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=2.7km s-min=1.1km az=242.0.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.4km s-min=0.8km az=229.0.
ISK III 09 13 40 26.5 39.56N 26.06E 8–0 2.2L
¶610919911
ISK Event type ke.
ISC III 09 15 10 15.0–1.1 37.35N–.02 36.00E–.02 4–10 73 0-3
ISK III 09 15 10 13.9 37.39N 36.02E 1–0 3.4L ¶610919918
DDA III 09 15 10 14.4–.00 37.39N 36.02E 1–0 3.5W
ISC Event type ke.
ISK Event type ke.
ISC III 09 17 59 24.2–1.0 37.55N–.02 38.47E–.01 4–9 118 0-4
DDA III 09 17 59 23.9–.00 37.57N 38.49E 5–2 3.7W ¶610919927
ISK III 09 17 59 24.3 37.50N 38.48E 16–0 3.7L
ISC Event type ke.
ISK Event type ke.
ISC III 09 18 16 18.1–.82 39.56N–.01 26.07E–.02 10–5 94 0-2
DDA III 09 18 16 17.6–.00 39.55N 26.07E 13–1 2.3L ¶610680409
ISK III 09 18 16 17.6 39.57N 26.04E 5–0 2.5L
ATH III 09 18 16 18.5 39.56N 26.07E 6–3 2.2L
THE III 09 18 16 18.2 39.56N 26.06E 6–1 2.1L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=4.0km s-min=0.9km az=237.0.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.6km az=200.0.
ISC III 10 01 42 44.0–.91 40.45N–.01 35.81E–.01 9–7 3.3b 175 0-40
IDC III 10 01 42 42.4–1.0 40.44N 35.83E 0 3.4,3.4b ¶610545915
DDA III 10 01 42 42.0–.00 40.45N 35.78E 14–3 3.6W,3.4b
ISK III 10 01 42 43.6 40.47N 35.84E 6–0 3.5L,3.4b
CFUSG III 10 01 42 47.0 40.70N 35.80E 5 2.6b,3.4b
ISC Event type ke.
IDC Error ellipse: s-maj=23.5km s-min=8.9km az=151.0.
ISK Event type ke.
CFUSG Central Turkey. Magtype MSH 3.2 from 4 stations.
ISC III 10 09 05 01.9–.88 39.50N–.02 26.05E–.03 11–5 58 0-2
ISK III 10 09 05 01.6 39.51N 26.04E 6–0 2.4L ¶610919973
DDA III 10 09 05 01.8–.00 39.51N 26.06E 12–0 2.6L
ISC Event type ke.
ISK Event type ke.
ISK III 10 16 04 00.7 39.50N 26.11E 8–0 1.7L
¶610920005
ISK Event type ke.
ISC III 10 22 23 42.9–.94 37.59N–.02 38.51E–.02 8–7 3.4b,2.9s 118 0-49
IDC III 10 22 23 41.8–.83 37.70N 38.59E 0 3.4,3.3b ¶610545985
DDA III 10 22 23 42.3–.00 37.58N 38.51E 9–1 4.0W,3.3b
ISK III 10 22 23 42.4 37.50N 38.48E 13–0 4.2L,3.3b
GII III 10 22 23 44.7–.00 37.57N 38.50E 8 4.2L,3.3b
ISC Event type ke.
IDC Error ellipse: s-maj=14.3km s-min=10.5km az=172.0.
ISK Event type ke.
GII Event type ke.
ISC III 10 23 57 45.1–1.2 37.59N–.04 38.45E–.03 5–11 25 0-2
DDA III 10 23 57 45.2–.00 37.64N 38.46E 7–1 2.7L ¶610920032
ISK III 10 23 57 45.9 37.52N 38.47E 15–0 3.1L
ISC Event type ke.
ISK Event type ke.
ISC III 11 03 50 53.8–1.1 37.03N–.02 36.08E–.02 6–9 72 0-5
DDA III 11 03 50 53.1–.00 36.96N 36.07E 4–2 2.7L ¶610920042
ISK III 11 03 50 53.5 37.00N 36.09E 9–0 2.7L
GII III 11 03 50 58.1–.00 37.01N 36.04E 25 2.7L
ISC Event type ke.
ISK Event type ke.
GII Event type ke.
ISC III 11 06 55 59.5–.86 39.53N–.02 26.10E–.03 13–5 38 0-2
ISK III 11 06 55 58.9 39.53N 26.09E 12–0 2.5L ¶610920045
DDA III 11 06 56 00.2–.00 39.55N 26.14E 7–1 2.0L
ISC Event type ke.
ISK Event type ke.
DDA III 11 21 02 22.2–.00 38.23N 32.67E 10–2 1.7L
¶612620608
ISC III 11 21 02 34.9–1.1 37.19N–.03 36.23E–.02 8–10 42 0-2
ISK III 11 21 02 34.9 37.12N 36.18E 18–0 2.4L ¶610920070
DDA III 11 21 02 35.5–.00 37.23N 36.27E 8–2 2.6L
ISC Event type ke.
ISK Event type ke.
ISC III 12 21 54 44.5–.80 39.56N–.01 26.09E–.02 12–5 96 0-2

DDA III 12 21 54 44.5–.00 39.56N 26.11E 9–0 2.4L ¶610680467
ISK III 12 21 54 44.3 39.55N 26.09E 10–0 2.7L
THE III 12 21 54 45.1 39.57N 26.04E 6–1 2.6L
ATH III 12 21 54 45.3 39.56N 26.08E 8–1 2.6L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.7km az=105.0.
ATH Event type ke. Error ellipse: s-maj=2.7km s-min=0.9km az=248.0.
ISC III 14 02 50 28.2–.82 39.54N–.01 26.10E–.02 10–5 98 0-2
ISK III 14 02 50 27.8 39.54N 26.09E 7–0 2.5L ¶610680486
THE III 14 02 50 28.6 39.53N 26.08E 5–1 2.3L
DDA III 14 02 50 28.3–.00 39.55N 26.14E 7–1 2.4L
ATH III 14 02 50 28.8 39.53N 26.08E 12–1 2.4L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.3km az=155.0.
ATH Event type ke. Error ellipse: s-maj=2.3km s-min=0.8km az=234.0.
ISC III 14 06 42 11.4–.94 37.64N–.03 38.44E–.02 9–8 39 0-2
DDA III 14 06 42 10.9–.00 37.64N 38.46E 7–1 2.5L ¶610920210
ISK III 14 06 42 11.1 37.61N 38.44E 8–0 2.9L
ISC Event type ke.
ISK Event type ke.
ISK III 14 09 34 57.0 39.56N 26.12E 6–0 2.0L
DDA III 14 09 34 57.1–.00 39.55N 26.11E 7–1 1.4L ¶610920218
ISK Event type ke.
ISC III 14 10 30 07.6–.91 37.56N–.03 38.50E–.02 10–7 44 0-3
ISK III 14 10 30 07.3 37.53N 38.48E 12–0 3.7L ¶610920225
DDA III 14 10 30 07.2–.00 37.59N 38.50E 7–2 3.6W
ISC Event type ke.
ISK Event type ke.
ISC III 14 11 41 42.5–.95 37.58N–.03 38.49E–.02 13–8 54 0-3
DDA III 14 11 41 42.3–.00 37.61N 38.47E 7–2 3.5L ¶612620756
ISK III 14 11 41 42.7 37.53N 38.51E 22–0 3.9L
ISC Event type ke.
ISK Event type ke.
DDA III 14 12 54 22.5–.00 36.05N 29.29E 1–4 2.1L
¶612620764
ISC III 15 05 33 39.1–1.1 39.85N–.02 38.99E–.02 7–10 54 0-3
ISK III 15 05 33 38.3 39.86N 38.96E 5–0 3.4L ¶610920286
DDA III 15 05 33 39.0–.00 39.79N 38.97E 5–2 3.5W
ISC Event type ke.
ISK Event type ke.
ISC III 17 01 09 49.9–.86 36.79N–.02 31.72E–.02 76–6 3.4b 130 0-38
DDA III 17 01 09 48.9–.00 36.77N 31.62E 76–0 2.6L ¶610331541
ISK III 17 01 09 49.1 36.84N 31.62E 87–0 3.1L
IDC III 17 01 09 49.4–1.5 36.86N 31.69E 72–20 3.3,3.2b
NIC III 17 01 09 51.4–.00 36.68N 31.76E 40–58 3.2L,3.2b
ISC Event type ke.
ISK Event type ke.
IDC Error ellipse: s-maj=21.8km s-min=12.4km az=107.0.
NIC Event type ke.
ISC III 17 10 47 21.2–1.0 38.47N–.02 31.80E–.02 5–8 3.5b 125 0-76
ISK III 17 10 47 20.3 38.47N 31.82E 2–0 2.7L ¶610546381
DDA III 17 10 47 20.8–.00 38.47N 31.79E 5–2 3.6W
IDC III 17 10 47 20.3–1.2 38.58N 31.70E 0 3.6b,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=40.2km s-min=15.8km az=142.0.
ISC III 17 12 01 17.0–.98 37.60N–.03 38.48E–.03 11–9 31 0-2
DDA III 17 12 01 16.9–.00 37.62N 38.48E 8–2 2.7L ¶610920462
ISK III 17 12 01 16.9 37.52N 38.48E 15–0 2.8L
ISC Event type ke.
ISK Event type ke.
ISC III 17 21 59 46.0–.79 39.52N–.02 26.15E–.02 10–5 96 0-3
ISK III 17 21 59 45.4 39.52N 26.14E 8–0 2.7L ¶610680587
DDA III 17 21 59 45.9–.00 39.53N 26.17E 8–1 2.6L
THE III 17 21 59 46.1 39.53N 26.12E 3–1 2.5L
ATH III 17 21 59 46.4 39.52N 26.15E 7–3 2.5L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.4km az=173.0.
ATH Event type ke. Error ellipse: s-maj=3.4km s-min=0.9km az=227.0.
ISK III 18 00 47 47.5 37.90N 27.64E 12–0 1.8L
DDA III 18 00 47 48.0–.00 37.83N 27.63E 7–2 1.3L ¶610920501
ISK Event type ke.
ISC III 18 15 29 13.4–.79 39.51N–.01 26.16E–.02 11–5 99 0-2
ISK III 18 15 29 13.3 39.53N 26.15E 5–0 3.0L ¶610680597
DDA III 18 15 29 13.3–.00 39.52N 26.18E 9–0 3.2W
THE III 18 15 29 13.8 39.52N 26.17E 9–1 2.9L
ATH III 18 15 29 14.0 39.51N 26.15E 11–2 2.8L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.4km az=118.0.
ATH Event type ke. Error ellipse: s-maj=3.0km s-min=1.1km az=241.0.
ISC III 18 16 43 49.5–.99 37.63N–.03 38.45E–.02 9–9 39 0-2
DDA III 18 16 43 49.3–.00 37.64N 38.45E 7–2 3.0L ¶610920558
ISK III 18 16 43 49.6 37.55N 38.46E 14–0 2.8L
ISC Event type ke.
ISK Event type ke.
ISC III 18 17 20 08.7–.81 39.53N–.01 26.18E–.02 10–5 110 0-3
ISK III 18 17 20 08.3 39.53N 26.15E 5–0 3.0L ¶610680598
ATH III 18 17 20 08.9 39.52N 26.18E 5–2 2.7L
DDA III 18 17 20 08.4–.00 39.54N 26.19E 3–1 3.1L
THE III 18 17 20 08.9 39.53N 26.16E 4–1 2.6L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.0km s-min=0.7km az=238.0.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.4km az=182.0.
ISC III 18 20 37 39.4–1.1 38.25N–.02 42.82E–.02 3–8 3.2b 180 0-53
IDC III 18 20 37 38.4–1.3 38.25N 42.89E 0 3.4s,3.3 ¶610546473
NSSP III 18 20 37 38.9 38.38N 42.80E 10 3.4s,3.3
ISK III 18 20 37 38.4 38.24N 42.84E 3–0 3.7L,3.3
ISN III 18 20 37 39.4–1.1 38.32N 42.76E 10–325 3.6L,3.3
TEH III 18 20 37 39.0 38.28N 42.85E 11–21 3.3L,3.3
DDA III 18 20 37 39.2–.00 38.26N 42.78E 15–2 3.7W,3.3
AZER III 18 20 37 41.0–2.1 38.26N 42.86E 5 3.7W,3.3
ISC Event type ke.
IDC Error ellipse: s-maj=23.9km s-min=13.4km az=148.0.
ISK Event type ke.
ISN Error ellipse: s-maj=381.9km s-min=158.0km az=-1.0.
TEH Error ellipse: s-maj=1.6km s-min=1.6km az=-1.0.
AZER Error ellipse: s-maj=12.9km s-min=5.8km az=61.0.
ISC III 19 07 01 53.2–.77 37.59N–.03 38.48E–.02 9 47 0-4
DDA III 19 07 01 53.0–.00 37.61N 38.47E 7–1 3.5W ¶610920603
ISK III 19 07 01 53.2 37.54N 38.49E 15–0 3.6L
ISC Event type ke.
ISK Event type ke.
ISC III 19 09 01 08.0–.88 38.32N–.03 42.87E–.02 14–7 32 0-2
ISK III 19 09 01 07.6 38.38N 42.84E 10–0 2.6L ¶610920610
DDA III 19 09 01 09.0–.00 38.27N 42.88E 6–2 2.5L
ISC Event type ke.
ISK Event type ke.
ISC III 19 13 11 28.3–.81 39.51N–.02 26.05E–.02 12–5 86 0-2
ISK III 19 13 11 27.9 39.51N 26.04E 10–0 2.6L ¶610680603
THE III 19 13 11 28.6 39.51N 26.06E 4–2 2.4L
DDA III 19 13 11 28.5–.00 39.52N 26.09E 10–0 2.3L
ATH III 19 13 11 28.7 39.50N 26.06E 14–2 2.4L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=2.1km s-min=0.6km az=177.0.
ATH Event type ke. Error ellipse: s-maj=2.4km s-min=1.0km az=187.0.
DDA III 19 17 50 06.0–.00 39.14N 26.48E 7–2 1.5L
¶612620912
DDA III 19 17 55 02.9–.00 39.55N 26.18E 7–1 1.2L
ISK III 19 17 55 02.4 39.54N 26.08E 7–0 1.9L ¶610920643
ISK Event type ke.
ISC III 20 01 15 05.7–.88 37.28N–.02 36.01E–.02 18–7 83 0-39
IDC III 20 01 15 03.4–2.2 37.33N 36.06E 0 3.4,3.4b ¶610920660
GII III 20 01 15 04.4–.00 37.30N 36.01E 8 3.0,3.4b
ISK III 20 01 15 05.7 37.26N 36.03E 11–0 3.0L,3.4b
DDA III 20 01 15 06.3–.00 37.30N 36.01E 8–1 3.0L,3.4b
ISC Event type ke.
IDC Error ellipse: s-maj=46.7km s-min=18.9km az=79.0.
GII Event type ke.
ISK Event type ke.
DDA III 20 01 27 56.4–.00 39.09N 29.02E 7–2 1.7L
¶616256001
ISC III 20 04 21 34.2–.78 39.52N–.01 26.17E–.02 11–5 161 0-7
SOF III 20 04 21 33.3 39.52N 26.16E 10 3.2 ¶610680622
ISK III 20 04 21 34.0 39.54N 26.16E 5–0 3.5L
ATH III 20 04 21 34.9 39.52N 26.17E 12–1 3.2L
DDA III 20 04 21 34.1–.00 39.55N 26.20E 5–2 3.5W
THE III 20 04 21 34.6 39.52N 26.16E 10–0 3.2L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.5km s-min=1.1km az=245.0.
THE Event type ke. Error ellipse: s-maj=0.4km s-min=0.2km az=236.0.
ISC III 20 04 36 57.4–.00 38.70N–.02 40.15E–.02 11–9 76 0-18
ISK III 20 04 36 56.9 38.70N 40.15E 5–0 3.4L ¶610920675
DDA III 20 04 36 57.3–.00 38.68N 40.15E 12–1 3.6W
ISC Event type ke.
ISK Event type ke.
ISC III 20 07 00 18.6–.76 39.54N–.01 26.15E–.02 9–5 3.6b,3.0s 287 0-118
IDC III 20 07 00 17.6–.83 39.50N 26.03E 0 3.7,3.7L ¶614392491
ISK III 20 07 00 17.9 39.55N 26.11E 4–0 4.2L,3.7L
THE III 20 07 00 18.6 39.56N 26.14E 4–0 3.6L,3.7L
BEO III 20 07 00 18.8–.90 39.56N 26.36E 3–3 3.7L,3.7L
SOF III 20 07 00 18.1 39.54N 26.15E 10 3.6,3.7L
DDA III 20 07 00 18.4–.00 39.55N 26.18E 5–1 4.3W,3.7L
ATH III 20 07 00 19.3 39.53N 26.12E 13–1 3.7L,3.7L
ISC Event type ke.
IDC Error ellipse: s-maj=15.4km s-min=11.3km az=88.0.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=0.4km s-min=0.2km az=94.0.
BEO Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.5km s-min=0.7km az=247.0.
ISC III 20 08 01 51.4–.87 39.56N–.01 26.14E–.02 9–6 136 0-3
ISK III 20 08 01 50.8 39.56N 26.13E 4–0 3.6L ¶610680626
SOF III 20 08 01 50.1 39.55N 26.16E 6 3.2
DDA III 20 08 01 51.0–.00 39.57N 26.18E 1–0 3.5L
THE III 20 08 01 51.6 39.55N 26.16E 6–0 3.2L
ATH III 20 08 01 52.1 39.56N 26.14E 7–2 3.0L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=0.5km s-min=0.2km az=251.0.
ATH Event type ke. Error ellipse: s-maj=2.3km s-min=0.9km az=182.0.
ISC III 20 13 56 38.8–1.2 39.12N–.03 28.25E–.02 9–13 58 0-2
ISK III 20 13 56 38.3 39.13N 28.21E 5–0 2.9L ¶610920701
DDA III 20 13 56 38.9–.00 39.13N 28.28E 9–4 2.6L
ISC Event type ke.
ISK Event type ke.
ISC III 20 14 39 45.9–.86 38.63N–.02 39.78E–.02 8–6 4.6b,3.1s 144 0-77
AZER III 20 14 39 42.7–.62 38.73N 39.89E 3 4.6b,3.1s ¶610385332
IDC III 20 14 39 44.4–.84 38.69N 39.78E 0 3.6,3.6b
DDA III 20 14 39 44.6–.00 38.62N 39.79E 17–0 4.0W,3.6b
ISK III 20 14 39 44.6 38.65N 39.80E 6–0 4.0L,3.6b
NEIC III 20 14 39 46.4–1.0 38.52N–.09 39.79E–.05 9–8 4.5b,3.6b
ISC Event type ke.
ISK Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 20 23 56 48.1–.97 37.24N–.03 35.99E–.02 12–10 31 0-2
ISK III 20 23 56 47.7 37.28N 36.02E 11–0 2.8L ¶610920727
DDA III 20 23 56 48.1–.00 37.21N 36.01E 7–6 2.8L
ISC Event type ke.
ISK Event type ke.
ISC III 21 00 18 55.6–1.1 40.64N–.03 33.02E–.02 7–11 36 0-3
DDA III 21 00 18 55.1–.00 40.64N 33.00E 7–3 2.6L ¶610920728
ISK III 21 00 18 55.5 40.62N 33.04E 6–0 2.6L
ISC Event type ke.
ISK Event type ke.
ISC III 21 10 02 42.5–.82 39.54N–.02 26.09E–.02 10–5 82 0-2
DDA III 21 10 02 42.9–.00 39.56N 26.14E 5–1 2.3L ¶610680647
ATH III 21 10 02 43.0 39.54N 26.08E 10–2 2.2L
ISK III 21 10 02 42.1 39.55N 26.08E 9–0 2.5L
THE III 21 10 02 42.6 39.54N 26.07E 9–1 2.2L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.0km s-min=1.2km az=239.0.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.6km az=256.0.
DDA III 21 15 14 23.3–.00 39.57N 26.37E 7–1 1.1L
ISK III 21 15 14 22.5 39.67N 26.07E 5–0 1.9L ¶610920778
ISK Event type ke.
ISC III 21 16 56 19.9–.83 39.57N–.01 26.12E–.02 10–6 88 0-2
ISK III 21 16 56 18.7 39.56N 26.20E 7–0 2.3L ¶610680651
DDA III 21 16 56 19.9–.00 39.56N 26.12E 6–0 2.5L
THE III 21 16 56 20.2 39.56N 26.11E 10–1 2.1L
ATH III 21 16 56 20.7 39.55N 26.10E 12–1 2.3L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=2.0km s-min=0.9km az=118.0.
ATH Event type ke. Error ellipse: s-maj=2.2km s-min=0.8km az=247.0.
ISC III 21 16 57 47.8–.84 39.57N–.01 26.11E–.02 10–6 82 0-2
ISK III 21 16 57 47.3 39.56N 26.14E 8–0 2.4L ¶610680652
DDA III 21 16 57 48.0–.00 39.56N 26.15E 4–1 2.6L
ATH III 21 16 57 48.5 39.54N 26.06E 13–1 2.3L
THE III 21 16 57 48.1 39.56N 26.10E 8–1 2.2L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.3km s-min=0.8km az=232.0.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.6km az=150.0.
ISC III 21 20 07 38.6–.93 38.27N–.03 42.82E–.02 10–7 30 0-1
ISK III 21 20 07 37.7 38.23N 42.81E 8–0 2.3L ¶610920784
DDA III 21 20 07 38.7–.00 38.28N 42.83E 7–2 2.5L
ISC Event type ke.
ISK Event type ke.
ISC III 22 04 34 20.0–1.2 36.04N–.04 29.67E–.03 33–3 58 0-3
ISK III 22 04 34 20.1 36.11N 29.67E 39–1 2.4L ¶610416116
DDA III 22 04 34 20.0–.00 36.16N 29.65E 37–1 2.5L
NIC III 22 04 34 25.8–.00 35.99N 30.20E 21–31 2.7L
ISC Event type ke.
ISK Event type ke.
NIC Event type ke.
ISC III 22 06 38 10.7–.80 39.54N–.01 26.17E–.02 9–5 129 0-4
DDA III 22 06 38 10.7–.00 39.54N 26.20E 4–1 2.7L ¶610680663
ISK III 22 06 38 10.3 39.53N 26.14E 14–0 3.1L
THE III 22 06 38 11.0 39.54N 26.16E 4–1 2.7L
ATH III 22 06 38 11.7 39.52N 26.14E 13–1 2.8L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.5km az=216.0.
ATH Event type ke. Error ellipse: s-maj=2.1km s-min=0.9km az=250.0.
ISC III 23 04 46 47.4–1.2 37.29N–.03 36.01E–.02 11–9 47 0-78

IDC III 23 04 46 45.0–2.3 37.18N 35.90E 0 4.0b,3.8 ¶610543506
DDA III 23 04 46 47.9–.00 37.28N 36.00E 7–6 3.1L,3.8
ISK III 23 04 46 47.6 37.31N 36.03E 15–0 3.1L,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=45.9km s-min=21.0km az=70.0.
ISK Event type ke.
ISC III 23 11 14 47.3–.83 39.54N–.01 26.01E–.02 12–6 96 0-2
ISK III 23 11 14 46.3 39.57N 25.97E 5–0 2.8L **¶610680687**
DDA III 23 11 14 47.4–.00 39.54N 26.02E 8–1 2.8L
ATH III 23 11 14 47.9 39.53N 26.00E 12–1 2.7L
THE III 23 11 14 47.4 39.55N 26.02E 0–1 2.6L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.7km s-min=0.8km az=239.0.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.4km az=74.0.
ISC III 24 08 54 25.3–.99 40.04N–.01 42.24E–.01 2–6 4.2b,3.1s 333 0-76
AZER III 24 08 54 19.6–.74 40.41N 41.79E 4–23 4.2b,3.1s **¶610434550**
ISK III 24 08 54 23.6 40.04N 42.24E 5–0 4.1L,3.1s
TIF III 24 08 54 23.1 40.03N 42.24E 1–1 4.1L,3.1s
DDA III 24 08 54 24.4–.00 40.02N 42.24E 7–2 4.1W,3.1s
NSSP III 24 08 54 24.0 39.98N 42.27E 12 4.0s,3.1s
TEH III 24 08 54 24.5 40.04N 42.25E 6–35 3.9L,3.1s
NEIC III 24 08 54 25.2–2.0 40.01N–.01 42.19E–.05 4–6 4.2b,3.1s
CFUSG III 24 08 54 25.9 40.10N 42.21E 5 3.5b,3.1s
MOS III 24 08 54 25.1–1.1 40.02N 42.25E 11 4.3b,3.1s
IDC III 24 08 54 26.6–2.3 40.04N 42.26E 14–15 4.0,4.0b
ISC Event type ke.
AZER Error ellipse: s-maj=74.2km s-min=3.6km az=273.0.
ISK Event type ke.
TEH Error ellipse: s-maj=1.4km s-min=1.7km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=5.3km s-min=2.0km az=94.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
CFUSG Eastern Turkey. Magtype MSH 3.4 from 2 stations.
MOS Error ellipse: s-maj=5.7km s-min=3.6km az=72.3.
IDC Error ellipse: s-maj=13.5km s-min=7.9km az=176.0.
ISC III 24 11 18 14.9–.92 39.56N–.02 26.00E–.02 10–7 66 0-2
ISK III 24 11 18 14.8 39.54N 26.02E 6–0 2.5L **¶610680715**
DDA III 24 11 18 15.7–.00 39.48N 26.10E 7–4 2.5L
ATH III 24 11 18 15.6 39.54N 26.00E 10–1 2.2L
THE III 24 11 18 15.6 39.54N 26.01E 8–1 2.1L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.2km s-min=0.9km az=247.0.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.6km az=68.0.
ISC III 24 15 19 06.6–.69 39.56N–.01 26.11E–.02 12–4 3.7b,3.2s 353 0-118
ISK III 24 15 19 05.7 39.55N 26.10E 12–0 4.3L,3.2s **¶610434680**
SOF III 24 15 19 05.1 39.67N 26.12E 2 4.3,3.2s
IDC III 24 15 19 05.1–.77 39.56N 26.03E 0 3.8,3.8L
THE III 24 15 19 06.7 39.55N 26.12E 9–0 4.2L,3.8L
NEIC III 24 15 19 06.8–2.0 39.54N–.02 26.13E–.06 12–7 4.4b,3.8L
MCSM III 24 15 19 06.9–.50 40N–4.0 26E–5.0 7–2 4.4b,3.8L
ATH III 24 15 19 06.6 39.55N 26.09E 12–0 4.0L,3.8L
DDA III 24 15 19 06.2–.00 39.55N 26.11E 10–0 4.2W,3.8L
GII III 24 15 19 07.6–.00 38.99N 26.00E 1 4.1,3.8L
CFUSG III 24 15 19 13.3 39.65N 26.83E 39 3.5b,3.8L
ISC Event type ke.
ISK Event type ke.
IDC Error ellipse: s-maj=14.8km s-min=11.3km az=63.0.
THE Event type ke. Error ellipse: s-maj=0.8km s-min=0.4km az=119.0.
NEIC Event type se. Error ellipse: s-maj=7.0km s-min=2.3km az=69.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ATH Event type ke. Error ellipse: s-maj=1.2km s-min=0.5km az=236.0.
GII Event type ke.
CFUSG Western Turkey. Magtype MSH 3.6 from 4 stations.
ISC III 24 19 27 08.1–.82 39.55N–.01 26.13E–.02 11–5 89 0-2
DDA III 24 19 27 08.1–.00 39.54N 26.09E 8–1 2.6L **¶610680723**
ISK III 24 19 27 08.2 39.56N 26.10E 6–0 2.8L
ATH III 24 19 27 09.1 39.54N 26.10E 12–2 2.5L
THE III 24 19 27 09.0 39.55N 26.09E 5–1 2.5L
ISC Event type ke.
ISK Event type ke.
ATH Event type se. Error ellipse: s-maj=3.0km s-min=0.8km az=222.0.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.4km az=130.0.
ISC III 25 09 44 25.4–.83 39.56N–.01 26.08E–.02 10–5 107 0-2
ISK III 25 09 44 24.9 39.57N 26.07E 6–0 2.6L **¶610680731**
DDA III 25 09 44 25.5–.00 39.56N 26.13E 6–1 2.6L
ATH III 25 09 44 25.8 39.56N 26.09E 11–1 2.5L
THE III 25 09 44 25.4 39.56N 26.08E 7–3 2.5L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.3km s-min=0.9km az=238.0.
THE Event type ke. Error ellipse: s-maj=3.4km s-min=0.5km az=105.0.
ISC III 26 15 12 14.8–.84 39.56N–.02 26.08E–.02 11–6 77 0-3
DDA III 26 15 12 14.6–.00 39.57N 26.12E 8–1 2.6L **¶610921116**
ISK III 26 15 12 14.6 39.56N 26.08E 6–0 2.6L
ATH III 26 15 12 15.3 39.56N 26.08E 9–1 2.6L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.9km s-min=0.8km az=251.0.
ISC III 27 11 08 10.9–.99 36.52N–.03 33.20E–.03 15–8 35 0-1
ISK III 27 11 08 09.9 36.52N 33.20E 21–1 2.5L **¶610921155**
DDA III 27 11 08 10.6–.00 36.51N 33.16E 7–2 2.1L
ISC Event type ke.
ISK Event type ke.
ISC III 27 12 02 53.5–.86 39.52N–.02 26.16E–.03 9–5 44 0-2
DDA III 27 12 02 53.5–.00 39.51N 26.19E 7–0 2.0L **¶610921156**
ISK III 27 12 02 53.3 39.53N 26.16E 8–0 2.5L
ISC Event type ke.
ISK Event type ke.
ISC III 28 16 27 18.9–.85 39.56N–.01 26.03E–.02 10–6 145 0-8
ISK III 28 16 27 18.5 39.59N 26.02E 14–0 3.6L **¶610680769**
DDA III 28 16 27 18.6–.00 39.56N 26.04E 11–0 3.3L
THE III 28 16 27 19.1 39.58N 26.04E 10–1 3.2L
ATH III 28 16 27 19.7 39.54N 26.02E 18–2 3.1L
SOF III 28 16 27 20.1 39.78N 25.80E 2 3.3
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.5km az=140.0.
ATH Event type ke. Error ellipse: s-maj=2.9km s-min=1.1km az=111.0.
ISC III 28 21 53 31.4–.75 38.31N–.01 37.15E–.01 11–5 3.8b 265 0-77
IDC III 28 21 53 30.0–.70 38.40N 37.24E 0 3.7,3.7b **¶610441394**
ISK III 28 21 53 30.2 38.30N 37.16E 7–0 4.2L,3.7b
DDA III 28 21 53 30.8–.00 38.29N 37.18E 12–0 4.0W,3.7b
NEIC III 28 21 53 31.6–1.4 38.29N–.04 37.15E–.06 10–1 4.0b,3.7b
ISC Event type ke.
ISK Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISK III 29 06 34 19.8 39.54N 26.05E 4–0 1.9L
DDA III 29 06 34 20.4–.00 39.55N 26.06E 8–1 1.1L **¶610921277**
ISK Event type ke.
ISC III 29 13 48 43.3–1.0 37.99N–.02 27.93E–.02 12–9 131 1-8
ISK III 29 13 48 42.9 37.95N 27.88E 5–0 3.5L **¶610680790**
DDA III 29 13 48 43.2–.00 38.01N 27.92E 7–2 3.5W
ATH III 29 13 48 44.3 37.97N 27.88E 8–2 3.4L
THE III 29 13 48 44.6 37.98N 27.95E 31–18 3.5L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.6km s-min=1.0km az=244.0.
THE Event type ke. Error ellipse: s-maj=18.1km s-min=0.5km az=251.0.
ISC III 29 16 08 17.2–.83 39.57N–.01 26.04E–.02 12–6 88 0-2
THE III 29 16 08 17.4 39.57N 26.04E 9–2 2.3L **¶610680794**
ATH III 29 16 08 17.5 39.58N 26.07E 7–2 2.3L
DDA III 29 16 08 17.1–.00 39.55N 26.05E 10–0 2.3L
ISK III 29 16 08 17.4 39.59N 26.06E 14–0 2.5L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=2.6km s-min=0.5km az=120.0.
ATH Event type ke. Error ellipse: s-maj=2.7km s-min=0.9km az=252.0.
ISK Event type ke.
ISC III 29 18 10 44.8–1.0 38.21N–.02 31.07E–.02 3–7 4.4b,3.3s 248 0-85
ISK III 29 18 10 42.8 38.20N 31.08E 5–0 4.0L,3.3s **¶610448498**
DDA III 29 18 10 43.8–.00 38.20N 31.06E 15–0 4.0W,3.3s
IDC III 29 18 10 44.6–.85 38.23N 31.16E 0 3.9b,3.8
MCSM III 29 18 10 44.7–.60 38N–4.0 31E–5.0 7–2 4.3b,3.8
NEIC III 29 18 10 45.8–1.5 38.19N–.02 31.04E–.04 10–1 4.5b,3.8
CFUSG III 29 18 10 45.6 38.46N 31.09E 5 3.5b,3.8
ISC Event type ke.
ISK Event type ke.
IDC Error ellipse: s-maj=14.1km s-min=13.2km az=150.0.
NEIC Event type se. Error ellipse: s-maj=5.2km s-min=2.9km az=243.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
CFUSG Western Turkey. Magtype MSH 3.1 from 4 stations.
DDA III 30 13 36 34.6–.00 39.11N 29.07E 7–2 1.5L
¶612621324
ISC III 30 23 55 15.0–1.2 38.06N–.03 39.79E–.02 5–10 71 0-18
AZER III 30 23 55 13.7–.02 38.01N 39.81E 2 **¶610921383**
DDA III 30 23 55 14.6–.00 38.05N 39.78E 7–2 3.8W
ISK III 30 23 55 14.3 38.07N 39.79E 2–0 3.9L
ISC Event type ke.
ISK Event type ke.
ISC III 31 11 48 41.1–.83 39.54N–.01 26.18E–.02 8–5 97 0-2
DDA III 31 11 48 40.6–.00 39.53N 26.18E 8–0 3.1W **¶610680821**
ISK III 31 11 48 40.4 39.54N 26.18E 7–0 2.8L
ATH III 31 11 48 41.2 39.54N 26.19E 7–2 2.4L
THE III 31 11 48 41.2 39.53N 26.18E 3–1 2.5L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.7km s-min=0.8km az=235.0.
THE Event type ke. Error ellipse: s-maj=2.0km s-min=0.6km az=268.0.
ISC III 31 16 34 17.6–.94 38.65N–.01 43.15E–.01 19–2 137 0-5
AZER III 31 16 34 11.4–.89 38.44N 42.83E 9–41 **¶610790997**
DDA III 31 16 34 16.0–.00 38.63N 43.16E 6–7 3.5W
ISK III 31 16 34 16.5 38.66N 43.16E 5–0 3.5L
TEH III 31 16 34 17.2 38.65N 43.16E 16–18 3.2L
NSSP III 31 16 34 18.4 38.65N 43.18E 10 3.1s
ISC Event type ke.
AZER Error ellipse: s-maj=132.0km s-min=10.3km az=240.0.
ISK Event type ke.
TEH Error ellipse: s-maj=1.3km s-min=1.7km az=-1.0.
ISC IV 01 12 55 38.8–.99 37.27N–.02 36.00E–.02 16–8 3.3b 78 0-78
IDC IV 01 12 55 36.5–1.9 37.22N 35.86E 0 3.4b,3.3 **¶610651702**
ISK IV 01 12 55 38.9 37.27N 36.03E 14–0 3.2L,3.3
DDA IV 01 12 55 39.0–.00 37.30N 36.01E 7–4 3.2L,3.3
ISC Event type ke.
IDC Error ellipse: s-maj=34.3km s-min=20.4km az=73.0.
ISK Event type ke.
ISC IV 01 14 17 22.2–1.2 36.85N–.03 35.64E–.02 21–5 77 0-5
ISK IV 01 14 17 20.9 36.87N 35.66E 13–0 2.8L **¶610502354**
DDA IV 01 14 17 21.4–.00 36.75N 35.60E 10–2 2.9L
NIC IV 01 14 17 22.6–.00 37.02N 35.56E 29–2 2.7L
GII IV 01 14 17 23.8–.00 36.65N 35.62E 12 2.7
ISC Event type ke.
ISK Event type ke.
NIC Event type ke.
GII Event type ke.
ISC IV 01 22 37 35.0–.81 39.57N–.01 26.04E–.02 14–5 111 0-2
THE IV 01 22 37 34.3 39.56N 26.03E 19–0 2.5L **¶610921473**
ISK IV 01 22 37 35.1 39.59N 26.07E 6–0 2.6L
ATH IV 01 22 37 35.8 39.58N 26.09E 8–1 2.4L
DDA IV 01 22 37 35.3–.00 39.57N 26.07E 8–0 2.4L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=0.8km s-min=0.3km az=195.0.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.3km s-min=0.9km az=255.0.
ISC IV 02 05 32 43.2–.86 38.62N–.02 27.59E–.01 14–6 4.0b,3.6s 399 0-99
MOS IV 02 05 32 41.4–1.4 38.60N 27.65E 8 4.3b,3.6s **¶610470172**
IDC IV 02 05 32 41.1–.69 38.56N 27.64E 0 3.8,3.8b
THE IV 02 05 32 42.9 38.61N 27.59E 10–0 4.4L,3.8b
ISK IV 02 05 32 42.4 38.64N 27.57E 10–0 4.3L,3.8b
DDA IV 02 05 32 42.5–.00 38.63N 27.57E 13–1 4.3W,3.8b
NEIC IV 02 05 32 43.8–1.8 38.60N–.03 27.58E–.03 10–1 4.2b,3.8b
MED_R IV 02 05 32 43.0–.50 38.63N 27.68E 11–1 4.2W,3.8b
MCSM IV 02 05 32 43.7–.40 39N–3.0 28E–3.0 8–3 4.3b,3.8b
SOF IV 02 05 32 55.3 39.53N 26.87E 10 3.8,3.8b
ISC Event type ke.
MOS Error ellipse: s-maj=6.1km s-min=3.6km az=98.4.
IDC Error ellipse: s-maj=12.0km s-min=11.1km az=52.0.
THE Event type ke. Error ellipse: s-maj=0.9km s-min=0.4km az=127.0.
ISK Event type ke.
NEIC Event type se. Error ellipse: s-maj=5.8km s-min=4.2km az=33.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MED_R Error ellipse: s-maj=7.8km s-min=5.6km az=-1.0. nsta1 refers to body waves. nsta2 refers to surface waves, cutoff=35s. Moment Tensor Solution. Mantle waves: s9,c13;Duration: 1$\mathring{\mathrm{s}}$0 Moment tensor: Scale 10^{15}Nm; M_{rr}-2.86±.37 $M_{\theta\theta}$2.17±.26; $M_{\phi\phi}$0.69±.24; $M_{r\theta}$0.40±.64; $M_{\theta\phi}$-0.96±.16; $M_{\phi r}$-1.13±.83; Best double couple: NP1:ϕ_s310.00000°,δ55.00000°,λ-74.00000°. NP2:ϕ_s104.00000°,δ38.00000°,λ-112.00000°. Principal axes: T 2.7800,Plg9.0000° ,Azm29.0000°; N 0.4100,Plg13.0000°,Azm121.0000°; P -3.1900,Plg74.0000°,Azm265.0000° $M_0$2.99000×10^{15}
DDA IV 03 09 05 21.9–.00 37.18N 27.85E 7–4 1.5L
¶612621456
ISC IV 03 09 05 41.9–1.1 38.49N–.02 31.81E–.01 1–8 3.9b 197 0-97
ISK IV 03 09 05 41.2 38.47N 31.80E 4–0 3.9L **¶610651824**
DDA IV 03 09 05 41.6–.00 38.48N 31.80E 14–1 4.0W
IDC IV 03 09 05 42.1–.69 38.51N 31.88E 0 3.9,3.9b
ISC Event type ke.
ISK Event type ke.
IDC Error ellipse: s-maj=15.1km s-min=10.6km az=141.0.
DDA IV 03 17 58 13.3–.00 38.60N 27.50E 7–2 1.6L
¶612621478
DDA IV 04 00 16 45.2–.00 40.08N 31.66E 7–3 1.3L
¶612621497
DDA IV 04 13 00 23.2–.00 38.62N 27.56E 7–2 2.8L
¶610651916
ISC IV 04 13 00 38.0–.86 38.65N–.02 27.60E–.01 17–6 4.4s,3.7b 151 0-95
IDC IV 04 13 00 35.2–3.6 38.69N 27.28E 0 4.0s,3.7 **¶612621519**
THE IV 04 13 00 37.8 38.58N 27.65E 2–4 3.9L,3.7
DDA IV 04 13 00 37.2–.00 38.63N 27.58E 18–4 4.0W,3.7
ISK IV 04 13 00 38.1 38.61N 27.60E 4–0 4.0L,3.7
ATH IV 04 13 00 39.2 38.61N 27.71E 23–9 3.9L,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=64.6km s-min=28.4km az=12.0.
THE Event type ke. Error ellipse: s-maj=4.7km s-min=1.4km az=159.0.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=10.8km s-min=2.0km az=93.0.
ISC IV 04 22 19 27.0–.94 38.64N–.02 27.57E–.02 11–9 52 0-2
ISK IV 04 22 19 26.5 38.64N 27.58E 6–0 2.2L **¶610921701**
DDA IV 04 22 19 26.6–.00 38.62N 27.58E 7–3 2.0L
ISC Event type ke.

ISK Event type ke.
ISC IV 05 05 25 25.4–.92 38.63N–.01 27.59E–.01 11–8 146 0-4
ISK IV 05 05 25 24.9 38.63N 27.58E 9–0 3.4L ¶610921727
DDA IV 05 05 25 25.0–.00 38.63N 27.57E 12–3 3.3L
ATH IV 05 05 25 25.5 38.62N 27.60E 6–5 3.4L
THE IV 05 05 25 25.3 38.62N 27.60E 0–1 3.5L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=5.8km s-min=1.4km az=225.0.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.7km az=54.0.
ISC IV 05 10 35 09.3–.98 38.64N–.02 27.57E–.02 11–8 150 0-8
ISK IV 05 10 35 09.1 38.65N 27.55E 9–0 3.6L ¶610921742
DDA IV 05 10 35 09.1–.00 38.61N 27.56E 7–2 3.7W
THE IV 05 10 35 09.1 38.64N 27.58E 2–1 3.6L
ATH IV 05 10 35 11.1 38.65N 27.65E 25–11 3.7L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.7km az=148.0.
ATH Event type ke. Error ellipse: s-maj=12.5km s-min=2.0km az=74.0.
ISC IV 05 14 02 31.7–.96 38.61N–.05 39.67E–.03 13–9 16 0-2
ISK IV 05 14 02 31.9 38.66N 39.75E 15–0 2.6L ¶610921753
DDA IV 05 14 02 31.2–.00 38.58N 39.64E 7–4 2.4L
ISC Event type ke.
ISK Event type ke.
ISC IV 05 22 08 11.7–.92 38.62N–.02 27.58E–.02 12–7 3.6b,3.4s 184 0-87
DDA IV 05 22 08 11.4–.00 38.62N 27.57E 13–2 3.9W,3.4s ¶610652031
ISK IV 05 22 08 11.1 38.63N 27.57E 11–0 4.0L,3.4s
THE IV 05 22 08 11.7 38.61N 27.58E 2–1 3.9L,3.4s
IDC IV 05 22 08 11.0–1.7 38.33N 27.90E 0 3.6b,3.5
ATH IV 05 22 08 13.1 38.65N 27.64E 21–6 3.7L,3.5
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.5km az=61.0.
IDC Error ellipse: s-maj=80.5km s-min=19.8km az=154.0.
ATH Event type ke. Error ellipse: s-maj=6.8km s-min=1.2km az=68.0.
ISC IV 06 07 38 25.9–.97 38.84N–.02 43.47E–.02 9–8 42 0-2
ISK IV 06 07 38 24.8 38.82N 43.46E 6–0 2.9L ¶610921804
TEH IV 06 07 38 25.5 38.78N 43.57E 10 2.7L
DDA IV 06 07 38 25.8–.00 38.85N 43.42E 7–6 2.8L
ISC Event type ke.
ISK Event type ke.
DDA IV 06 14 32 50.5–.00 37.73N 38.50E 7–1 1.1L
¶612621586
ISC IV 07 02 22 21.0–.80 39.54N–.01 26.19E–.02 10–5 238 0-8
ISK IV 07 02 22 20.6 39.55N 26.19E 5–0 3.7L ¶610921853
DDA IV 07 02 22 20.9–.00 39.54N 26.21E 5–1 3.5W
THE IV 07 02 22 21.3 39.55N 26.20E 9–0 3.4L
ATH IV 07 02 22 21.6 39.54N 26.18E 12–1 3.3L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=0.8km s-min=0.4km az=259.0.
ATH Event type ke. Error ellipse: s-maj=1.6km s-min=0.7km az=250.0.
ISC IV 07 14 46 49.0–.83 39.56N–.01 26.09E–.02 11–6 76 0-2
ISK IV 07 14 46 48.9 39.57N 26.10E 6–0 2.6L ¶610921888
DDA IV 07 14 46 49.0–.00 39.55N 26.11E 6–0 2.3L
THE IV 07 14 46 49.0 39.55N 26.12E 12–1 2.5L
ATH IV 07 14 46 49.2 39.57N 26.09E 8–2 2.6L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.5km az=120.0.
ATH Event type ke. Error ellipse: s-maj=3.5km s-min=1.1km az=249.0.
ISC IV 07 21 42 07.8–.80 39.53N–.01 26.05E–.02 13–5 106 0-2
ISK IV 07 21 42 07.1 39.53N 26.02E 9–0 2.6L ¶610921901
DDA IV 07 21 42 07.7–.00 39.53N 26.07E 12–0 2.4L
THE IV 07 21 42 08.2 39.54N 26.06E 10–1 2.4L
ATH IV 07 21 42 08.2 39.54N 26.09E 17–1 2.5L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.6km az=118.0.
ATH Event type ke. Error ellipse: s-maj=2.1km s-min=0.9km az=152.0.
ISC IV 08 04 49 40.0–1.2 37.54N–.04 38.52E–.03 6–11 28 0-3
DDA IV 08 04 49 40.0–.00 37.58N 38.52E 7–1 2.5L ¶610921926
ISK IV 08 04 49 40.3 37.51N 38.53E 13–0 2.8L
ISC Event type ke.
ISK Event type ke.
ISC IV 08 10 23 46.6–1.3 41.14N–.03 34.95E–.03 7–14 29 0-2
ISK IV 08 10 23 46.0 41.15N 34.93E 8–0 2.8L ¶610921951
DDA IV 08 10 23 47.3–.00 41.13N 34.99E 7–1 2.2L
ISC Event type ke.
ISK Event type ke.
ISC IV 08 15 22 18.6–1.1 37.56N–.03 38.50E–.02 9–10 53 0-5
DDA IV 08 15 22 18.7–.00 37.62N 38.51E 13–1 3.5W ¶610921957
ISK IV 08 15 22 18.9 37.53N 38.47E 15–0 3.4L
ISC Event type ke.
ISK Event type ke.
ISC IV 08 20 16 08.9–.99 38.69N–.03 43.15E–.02 9–9 33 0-2
ISK IV 08 20 16 07.9 38.61N 43.15E 7–0 2.8L ¶610921965
DDA IV 08 20 16 08.4–.00 38.74N 43.22E 7–6 2.4L
ISC Event type ke.
ISK Event type ke.
ISC IV 08 20 31 15.1–.99 37.71N–.03 37.45E–.02 8–9 45 0-3
ISK IV 08 20 31 14.5 37.71N 37.43E 8–0 3.0L ¶610921966
DDA IV 08 20 31 14.4–.00 37.70N 37.43E 7–2 3.0L
ISC Event type ke.
ISK Event type ke.
ISC IV 08 21 30 59.9–.79 38.72N–.01 43.45E–.01 12–5 4.1b,2.8s 342 0-79
NSSP IV 08 21 30 54.5 38.60N 43.42E 10 4.1s,2.8s ¶610523742
AZER IV 08 21 30 56.3–.18 38.63N 43.26E 14–9 4.1s,2.8s
ISN IV 08 21 30 57.4–1.4 38.83N 43.19E 7–424 3.7L,2.8s
IDC IV 08 21 30 57.8–.72 38.70N 43.40E 0 3.8,3.8b
ISK IV 08 21 30 58.3 38.72N 43.46E 2–0 4.1L,3.8b
TEH IV 08 21 30 59.1 38.74N 43.45E 12–25 4.0L,3.8b
DDA IV 08 21 30 59.7–.00 38.71N 43.54E 14–1 4.2W,3.8b
NEIC IV 08 21 31 01.6–.83 38.64N–.05 43.43E–.07 24–4 4.1b,3.8b
ISC Event type ke.
ISK Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 09 01 08 48.2–.98 38.24N–.04 42.95E–.03 13–7 23 0-2
ISK IV 09 01 08 47.9 38.25N 42.91E 7–0 2.5L ¶610921988
DDA IV 09 01 08 48.5–.00 38.25N 42.96E 13–1 2.2L
ISC Event type ke.
ISK Event type ke.
ISC IV 09 01 53 58.8–.94 38.62N–.02 43.57E–.02 10–7 3.2b 122 0-35
IDC IV 09 01 53 55.5–2.2 38.46N 43.40E 0 3.3,3.3b ¶610652268
NSSP IV 09 01 53 56.0 38.58N 43.63E 10 3.5s,3.3b
ISN IV 09 01 53 57.5–1.7 38.67N 42.65E 18–16 3.3L,3.3b
ISK IV 09 01 53 57.9 38.67N 43.52E 2–0 3.6L,3.3b
TEH IV 09 01 53 58.7 38.66N 43.52E 12–33 3.3L,3.3b
DDA IV 09 01 53 59.7–.00 38.55N 43.47E 7–6 3.4L,3.3b
AZER IV 09 01 54 00.0–.12 38.73N 43.69E 3–1 3.4L,3.3b
ISC Event type ke.
IDC Error ellipse: s-maj=31.3km s-min=18.3km az=145.0.
ISN Error ellipse: s-maj=13.5km s-min=60.2km az=-1.0.
ISK Event type ke.
TEH Error ellipse: s-maj=2.1km s-min=2.1km az=-1.0.
AZER Error ellipse: s-maj=3.6km s-min=1.4km az=242.0.
ISC IV 09 10 44 42.9–.89 38.64N–.02 43.17E–.02 9–6 3.7b,2.9s 127 0-78
IDC IV 09 10 44 40.9–1.1 38.52N 43.12E 0 3.7,3.7b ¶610652293
NSSP IV 09 10 44 40.4 38.62N 43.22E 10 3.8s,3.7b
ISK IV 09 10 44 41.2 38.64N 43.15E 5–0 3.8L,3.7b
DDA IV 09 10 44 42.4–.00 38.61N 43.16E 7–3 3.8W,3.7b
AZER IV 09 10 44 42.4–.31 38.68N 43.38E 5 3.8W,3.7b
TEH IV 09 10 44 42.2 38.65N 43.17E 6–21 3.6L,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=19.8km s-min=12.3km az=162.0.
ISK Event type ke.
AZER Error ellipse: s-maj=7.7km s-min=6.1km az=4.0.
TEH Error ellipse: s-maj=1.0km s-min=1.1km az=-1.0.
ISC IV 09 11 42 28.7–.88 38.26N–.03 42.94E–.02 9–6 44 0-2
ISK IV 09 11 42 28.4 38.27N 42.89E 6–0 2.6L ¶610922023
DDA IV 09 11 42 28.7–.00 38.26N 42.93E 10–1 3.1L
ISC Event type ke.
ISK Event type ke.
ISC IV 09 12 37 51.8–.96 38.31N–.06 42.96E–.04 15–6 17 0-1
ISK IV 09 12 37 51.8 38.41N 42.88E 2–0 2.4L ¶610922027
DDA IV 09 12 37 52.2–.00 38.27N 42.93E 9–1 2.6L
ISC Event type ke.
ISK Event type ke.
DDA IV 09 13 21 02.3–.00 37.59N 38.50E 7–3 1.3L
¶612621697
ISC IV 09 13 21 18.2–1.2 38.70N–.03 43.56E–.03 5–10 32 0-2
ISK IV 09 13 21 16.4 38.70N 43.57E 5–0 2.7L ¶610922029
DDA IV 09 13 21 17.7–.00 38.70N 43.56E 7–6 2.8L
ISC Event type ke.
ISK Event type ke.
ISC IV 09 18 19 20.2–.90 38.63N–.03 43.16E–.03 15–8 33 0-2
ISK IV 09 18 19 18.7 38.63N 43.14E 5–0 2.7L ¶610922036
TEH IV 09 18 19 19.1 38.59N 43.17E 10 2.5L
DDA IV 09 18 19 20.1–.00 38.62N 43.15E 7–1 2.5L
ISC Event type ke.
ISK Event type ke.
ISC IV 09 18 35 20.8–.86 38.62N–.02 43.16E–.02 13–7 92 0-6
NSSP IV 09 18 35 19.2 38.52N 43.27E 7 3.2s ¶610791000
ISK IV 09 18 35 19.1 38.63N 43.14E 5–0 3.5L
TEH IV 09 18 35 20.0 38.63N 43.16E 13–13 3.3L
DDA IV 09 18 35 20.0–.00 38.62N 43.12E 7–2 3.2L
AZER IV 09 18 35 21.9–.43 38.71N 43.52E 5 3.2L
ISC Event type ke.
ISK Event type ke.
TEH Error ellipse: s-maj=0.9km s-min=1.1km az=-1.0.
AZER Error ellipse: s-maj=9.0km s-min=2.6km az=273.0.
ISC IV 09 21 53 38.3–.88 39.56N–.01 26.17E–.02 6–6 85 0-2
ISK IV 09 21 53 37.3 39.56N 26.15E 4–0 3.1L ¶610922047
ATH IV 09 21 53 38.7 39.57N 26.21E 9–1 2.9L
DDA IV 09 21 53 38.1–.00 39.54N 26.17E 5–1 2.4L
THE IV 09 21 53 38.7 39.56N 26.18E 7–1 2.8L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.7km s-min=1.1km az=260.0.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.5km az=157.0.
ISC IV 10 22 12 53.0–.85 39.56N–.01 26.17E–.02 9–6 157 0-3
ISK IV 10 22 12 52.3 39.54N 26.14E 10–0 3.2L ¶610922123
THE IV 10 22 12 53.6 39.56N 26.17E 11–0 2.9L
DDA IV 10 22 12 53.0–.00 39.55N 26.19E 8–2 2.8L
ATH IV 10 22 12 53.6 39.57N 26.19E 10–1 2.9L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.5km az=121.0.
ATH Event type ke. Error ellipse: s-maj=1.8km s-min=0.7km az=256.0.
ISC IV 11 23 00 58.6–.81 40.41N–.02 27.26E–.01 12–5 178 0-9
DDA IV 11 23 00 58.4–.00 40.40N 27.25E 10–1 3.3L ¶610922185
ISK IV 11 23 00 58.4 40.40N 27.25E 10–0 3.5L
ATH IV 11 23 00 59.1 40.45N 27.27E 6–2 3.3L
SOF IV 11 23 00 59.6 40.45N 27.26E 21 3.2
THE IV 11 23 01 00.6 40.43N 27.22E 15–5 3.1L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=5.0km s-min=1.6km az=56.0.
THE Event type ke. Error ellipse: s-maj=6.0km s-min=1.3km az=64.0.
ISC IV 12 14 39 00.7–.85 39.57N–.01 26.10E–.02 9–6 92 0-2
DDA IV 12 14 39 00.5–.00 39.54N 26.12E 10–0 2.5L ¶610922232
ISK IV 12 14 39 00.5 39.58N 26.12E 10–0 2.6L
ATH IV 12 14 39 00.9 39.58N 26.12E 8–2 2.5L
THE IV 12 14 39 01.0 39.58N 26.11E 5–1 2.4L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.2km s-min=1.0km az=240.0.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.5km az=148.0.
ISC IV 12 21 37 45.3–.77 39.52N–.01 26.11E–.02 15–4 105 0-3
DDA IV 12 21 37 45.7–.00 39.51N 26.09E 11–0 2.9L ¶610922252
ISK IV 12 21 37 45.6 39.53N 26.09E 9–0 2.8L
ATH IV 12 21 37 46.1 39.50N 26.10E 17–1 2.7L
THE IV 12 21 37 46.1 39.53N 26.08E 6–1 2.6L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.2km s-min=1.0km az=77.0.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.6km az=235.0.
ISC IV 13 14 55 11.5–.83 39.55N–.02 26.07E–.02 13–6 69 0-2
ATH IV 13 14 55 11.5 39.57N 26.10E 10–3 2.2L ¶610922310
THE IV 13 14 55 11.8 39.55N 26.06E 4–3 2.1L
DDA IV 13 14 55 11.1–.00 39.52N 26.05E 14–1 2.1L
ISK IV 13 14 55 11.3 39.55N 26.10E 8–0 2.5L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.8km s-min=1.2km az=242.0.
THE Event type ke. Error ellipse: s-maj=3.4km s-min=0.9km az=175.0.
ISK Event type ke.
ISC IV 13 16 22 16.8–.48 37.12N–.02 28.66E–.01 13–2 5.0b,4.6s 1110 0-151
BJI IV 13 16 22 11.9–.00 37.29N 28.31E 5 5.4b,5.1s ¶610527440
ISK IV 13 16 22 14.4 37.15N 28.65E 5–0 4.6L,5.1s
MOS IV 13 16 22 14.4–1.1 37.10N 28.66E 12 5.1b,4.4s
IDC IV 13 16 22 14.7–.38 37.10N 28.69E 0 4.6,4.6b
MED_R IV 13 16 22 15.0–.20 37.08N 28.66E 10 5.0W,4.6b
GCMT IV 13 16 22 16.2–.20 37.09N–.01 28.84E–.04 12 5.0W,4.6b
DDA IV 13 16 22 16.5–.00 37.15N 28.65E 11–1 5.0W,4.6b
THE IV 13 16 22 16.2 37.16N 28.65E 0–1 4.7L,4.6b
NEIC IV 13 16 22 16.2–1.8 37.13N–.05 28.69E–.05 10–1 5.1b,5.0
NEIC IV 13 16 22 17.3 37.15N 28.67E 10 5.1b,5.0
GII IV 13 16 22 19.7–.00 36.73N 28.88E 6 5.1,4.8b
CFUSG IV 13 16 22 22.6 37.50N 28.90E 33 5.1,4.8b
BGR IV 13 16 22 24.3 37.31N 28.67E 10 4.8b,4.8b
NAO IV 13 16 22 28.6 37.09N 28.69E 33 4.9b,4.8b
ISC Event type ke.
ISK Event type ke.
MOS Error ellipse: s-maj=4.7km s-min=2.8km az=91.3.
IDC Error ellipse: s-maj=9.6km s-min=7.7km az=125.0.
MED_R Error ellipse: s-maj=4.4km s-min=2.2km az=-1.0. nsta1 refers to body waves. nsta2 refers to surface waves, cutoff=40s. Moment Tensor Solution. Mantle waves: s20,c25;Duration: 1s1 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.49±.09 $M_{\theta\theta}$2.89±.09; $M_{\phi\phi}$0.60±.09; $M_{r\theta}$0.90±.48; $M_{\theta\phi}$-0.28±.08; $M_{\phi r}$1.04±.63; Best double couple: NP1:ϕ_s261.00000°,δ54.00000°,λ-107.00000°. NP2:ϕ_s109.00000°,δ40.00000°,λ-68.00000°. Principal axes: T 3.0200,Plg7.0000° ,Azm3.0000°; N 0.8500,Plg14.0000°,Azm272.0000°; P -3.8700,Plg74.0000°,Azm121.0000° $M_0$3.45000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s27,c32; s107,c158;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.92±.09 $M_{\theta\theta}$3.46±.08; $M_{\phi\phi}$0.45±.08; $M_{r\theta}$1.38±.31; $M_{\theta\phi}$0.15±.08; $M_{\phi r}$-1.49±.53; Best double couple: NP1:ϕ_s286.00000°,δ58.00000°,λ-71.00000°. NP2:ϕ_s73.00000°,δ37.00000°,λ-117.00000°. Principal axes: T 3.7140,Plg11.0000° ,Azm2.0000°; N 0.8930,Plg16.0000°,Azm95.0000°; P -4.6090,Plg71.0000°,Azm239.0000° $M_0$4.16200×10^{16}
THE Event type ke. Error ellipse: s-maj=1.8km s-min=1.3km az=50.0.

NEIC Event type se. Error ellipse: s-maj=8.6km s-min=7.2km az=162.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-3.66 $M_{\theta\theta}$3.44 $M_{\phi\phi}$0.22 $M_{r\theta}$0.78 $M_{\theta\phi}$1.58
$M_{\phi r}$-2.35 NP1:ϕ_s272.92000°,δ50.17000°,λ-51.84000°. NP2:ϕ_s42.10000°,δ52.85000°
,λ-126.53000°. Principal axes: T 4.0913,Plg1.0000°,Azm157.0000°; N 0.9063,Plg28.0000°
,Azm66.0000°; P -4.9976,Plg62.0000°,Azm250.0000° $M_0$4.61000×10^{16}
NEIC Event type se.
GII Event type ke.
CFUSG Western Turkey. Magtype MSH 3.7 from 5 stations.
BGR Event type ke.
ISC IV 13 16 34 04.9–1.2 39.54N–.02 43.94E–.02 4–11 37 0-3
TEH IV 13 16 34 04.8 39.52N 43.92E 5–89 2.5L ¶610922318
ISK IV 13 16 34 04.7 39.55N 43.93E 4–0 2.6L
DDA IV 13 16 34 04.7–.00 39.54N 43.94E 7–1 2.3L
ISC Event type ke.
TEH Error ellipse: s-maj=3.4km s-min=2.6km az=-1.0.
ISK Event type ke.
ISC IV 13 19 25 22.3–.91 40.41N–.01 26.02E–.02 18–3 165 0-8
SOF IV 13 19 25 20.1 40.36N 26.01E 10 3.1 ¶610922334
ISK IV 13 19 25 21.8 40.40N 26.06E 12–0 3.5L
DDA IV 13 19 25 22.5–.00 40.38N 26.08E 7–1 3.4W
THE IV 13 19 25 22.2 40.40N 26.02E 9–1 3.2L
ATH IV 13 19 25 23.0 40.43N 25.97E 18–2 3.2L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.8km az=11.0.
ATH Event type ke. Error ellipse: s-maj=2.2km s-min=1.0km az=357.0.
ISC IV 14 03 11 54.3–.91 38.94N–.03 43.56E–.04 15–5 26 0-2
DDA IV 14 03 11 53.9–.00 38.97N 43.57E 20–1 2.3L ¶610922382
ISK IV 14 03 11 53.4 38.92N 43.56E 2–0 2.6L
ISC Event type ke.
ISK Event type ke.
DDA IV 14 13 13 59.2–.00 39.91N 28.74E 7–2 1.3L
¶617169390
ISC IV 15 10 41 09.2–1.0 37.13N–.02 28.63E–.02 7–8 77 0-34
ISK IV 15 10 41 07.9 37.10N 28.63E 5–0 3.0L ¶610652788
IDC IV 15 10 41 08.5–1.5 37.09N 28.72E 0 3.5,3.4b
DDA IV 15 10 41 08.8–.00 37.13N 28.64E 7–3 3.0L,3.4b
THE IV 15 10 41 09.6 37.13N 28.59E 0–1 2.8L,3.4b
ISC Event type ke.
ISK Event type ke.
IDC Error ellipse: s-maj=35.9km s-min=18.8km az=141.0.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=1.3km az=52.0.
ISK IV 16 09 53 29.9 37.12N 28.67E 16–0 1.9L
¶610922578
ISK Event type ke.
ISC IV 17 02 48 00.5–.80 39.56N–.01 26.07E–.02 13–5 97 0-2
ISK IV 17 02 48 00.3 39.57N 26.09E 8–0 2.5L ¶612621963
DDA IV 17 02 48 00.8–.00 39.58N 26.11E 9–1 2.3L
THE IV 17 02 48 00.7 39.56N 26.08E 14–1 2.2L
ATH IV 17 02 48 00.9 39.56N 26.08E 13–2 2.2L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.9km az=109.0.
ATH Event type ke. Error ellipse: s-maj=2.9km s-min=0.9km az=234.0.
ISC IV 17 05 25 44.3–.94 38.63N–.02 27.60E–.01 11–8 137 0-3
DDA IV 17 05 25 43.9–.00 38.63N 27.59E 6–3 3.6W ¶610922638
ISK IV 17 05 25 43.7 38.63N 27.61E 12–0 3.5L
THE IV 17 05 25 44.4 38.60N 27.61E 1–1 3.5L
ATH IV 17 05 25 45.6 38.63N 27.66E 19–9 3.4L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.8km az=59.0.
ATH Event type ke. Error ellipse: s-maj=9.7km s-min=1.6km az=77.0.
DDA IV 17 05 33 24.0–.00 38.63N 27.63E 7–2 1.7L
¶612621970
ISC IV 17 07 30 29.3–1.0 37.16N–.02 28.65E–.01 5–8 3.8b 113 0-40
DDA IV 17 07 30 28.4–.00 37.18N 28.56E 15–4 3.8W ¶610652917
ISK IV 17 07 30 28.1 37.14N 28.65E 10–0 3.7L
THE IV 17 07 30 29.6 37.17N 28.61E 1–1 3.4L
ATH IV 17 07 30 31.7 37.19N 28.68E 10–31 3.5L
IDC IV 17 07 30 34.3–1.4 36.93N 28.91E 54–18 3.7,3.6L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=1.3km az=67.0.
ATH Event type ke. Error ellipse: s-maj=31.6km s-min=1.4km az=0.0.
IDC Error ellipse: s-maj=18.8km s-min=9.2km az=149.0.
ISC IV 17 10 38 53.4–1.1 36.95N–.02 32.07E–.02 5–10 68 0-3
ISK IV 17 10 38 52.8 36.95N 32.07E 5–0 3.0L ¶610544087
DDA IV 17 10 38 53.4–.00 36.99N 32.05E 7–2 2.7L
NIC IV 17 10 38 56.1–.00 36.76N 32.11E 2–2 2.9L
ISC Event type ke.
ISK Event type ke.
NIC Event type ke.
ISC IV 18 22 40 55.0–1.1 37.53N–.02 42.73E–.01 2–8 3.2b 199 0-79
AZER IV 18 22 40 47.0–1.8 36.47N 42.45E 2 3.2b ¶610653011
ISK IV 18 22 40 53.3 37.48N 42.67E 5–0 3.8L
TEH IV 18 22 40 54.4 37.51N 42.69E 5–57 3.9L
ISN IV 18 22 40 54.4–1.2 37.50N 42.69E 6–7 3.9L
DDA IV 18 22 40 54.8–.00 37.54N 42.67E 14–3 4.0W
IDC IV 18 22 40 55.6–1.0 37.62N 42.51E 0 3.4,3.3b
GII IV 18 22 40 57.8–.00 37.37N 42.66E 2 3.4,3.3b
ISC Event type ke.
AZER Error ellipse: s-maj=19.4km s-min=13.4km az=123.0.
ISK Event type ke.
TEH Error ellipse: s-maj=1.9km s-min=2.1km az=-1.0.
ISN Error ellipse: s-maj=9.6km s-min=29.6km az=-1.0.
IDC Error ellipse: s-maj=22.9km s-min=10.5km az=140.0.
GII Event type ke.
ISC IV 18 23 58 25.1–.76 38.91N–.02 27.75E–.02 13–5 3.3b 142 0-40
IDC IV 18 23 58 23.3–1.2 38.84N 27.82E 0 3.3,3.3b ¶610653014
ISK IV 18 23 58 24.7 38.93N 27.73E 10–0 3.8L,3.3b
DDA IV 18 23 58 24.9–.00 38.94N 27.73E 10–1 3.8W,3.3b
ATH IV 18 23 58 25.9 38.90N 27.77E 16–7 3.6L,3.3b
THE IV 18 23 58 25.7 38.89N 27.75E 8–1 3.8L,3.3b
ISC Event type ke.
IDC Error ellipse: s-maj=19.3km s-min=14.4km az=80.0.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=7.4km s-min=1.6km az=69.0.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.6km az=126.0.
ISC IV 19 03 50 33.2–.82 39.54N–.01 26.04E–.02 12–5 90 0-2
ISK IV 19 03 50 32.7 39.55N 26.03E 7–0 2.6L ¶610922737
DDA IV 19 03 50 33.4–.00 39.57N 26.05E 9–1 2.2L
THE IV 19 03 50 34.1 39.57N 26.05E 11–1 2.4L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.9km az=123.0.
DDA IV 19 05 18 14.3–.00 38.04N 29.60E 7–3 1.5L
¶612622015
ISC IV 19 09 52 04.3–.86 39.54N–.01 26.04E–.02 10–6 108 0-3
ISK IV 19 09 52 03.9 39.54N 26.07E 6–0 2.7L ¶610922764
THE IV 19 09 52 04.7 39.55N 26.05E 10–1 2.5L
ATH IV 19 09 52 04.8 39.54N 26.07E 13–1 2.6L
DDA IV 19 09 52 04.7–.00 39.55N 26.12E 6–2 2.5L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.6km az=123.0.
ATH Event type ke. Error ellipse: s-maj=2.0km s-min=0.8km az=246.0.
ISK IV 19 10 19 52.0 38.64N 27.56E 10–0 2.4L
DDA IV 19 10 19 54.3–.00 38.71N 27.56E 7–2 1.8L ¶610922765
ISK Event type ke.
ISC IV 19 11 23 12.3–.98 38.63N–.01 27.65E–.01 7–7 3.7b,3.2s 275 0-99
IDC IV 19 11 23 11.8–.76 38.65N 27.81E 0 3.7,3.7b ¶610532820
ISK IV 19 11 23 11.9 38.59N 27.69E 2–0 4.2L,3.7b
DDA IV 19 11 23 11.1–.00 38.64N 27.63E 22–1 4.2W,3.7b
THE IV 19 11 23 11.5 38.63N 27.66E 0–1 4.1L,3.7b
ATH IV 19 11 23 14.3 38.76N 27.69E 16–3 3.9L,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=12.8km s-min=11.7km az=99.0.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.6km az=57.0.
ATH Event type ke. Error ellipse: s-maj=3.4km s-min=0.9km az=45.0.
ISC IV 19 11 24 59.7–.92 38.62N–.02 27.60E–.02 11–8 93 0-3
ISK IV 19 11 24 58.7 38.65N 27.60E 5–0 3.8L ¶610922766
DDA IV 19 11 24 59.4–.00 38.62N 27.60E 7–3 3.1L
THE IV 19 11 24 59.7 38.62N 27.60E 3–2 3.5L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=2.2km s-min=0.9km az=151.0.
ISC IV 19 16 44 40.0–.88 38.64N–.01 27.57E–.01 12–6 3.8s,3.6b 273 0-85
ISK IV 19 16 44 39.4 38.63N 27.60E 5–0 4.0L,3.6b ¶610653059
IDC IV 19 16 44 39.0–1.1 38.45N 27.63E 0 3.6,3.6b
THE IV 19 16 44 39.6 38.61N 27.62E 5–2 3.9L,3.6b
ATH IV 19 16 44 40.4 38.64N 27.56E 5–31 3.9L,3.6b
DDA IV 19 16 44 40.0–.00 38.63N 27.58E 10–1 3.8W,3.6b
BEO IV 19 16 44 41.0–1.1 38.83N 28.05E 21–5 3.8L,3.6b
ISC Event type ke.
ISK Event type ke.
IDC Error ellipse: s-maj=22.6km s-min=16.6km az=142.0.
THE Event type ke. Error ellipse: s-maj=3.2km s-min=0.7km az=165.0.
ATH Event type ke. Error ellipse: s-maj=31.6km s-min=1.2km az=0.0.
BEO Event type ke.
ISC IV 20 11 19 26.2–.98 40.80N–.02 36.20E–.02 19–2 54 0-2
ISK IV 20 11 19 25.7 40.81N 36.23E 17–0 2.7L ¶610922841
DDA IV 20 11 19 26.1–.00 40.79N 36.18E 21–1 2.7L
ISC Event type ke.
ISK Event type ke.
ISC IV 20 14 11 25.1–.73 39.41N–.01 28.46E–.01 12–5 3.9b,3.0s 357 0-74
IDC IV 20 14 11 23.6–.80 39.37N 28.47E 0 4.0L,3.9b ¶610653118
DDA IV 20 14 11 24.8–.00 39.40N 28.46E 11–2 4.2W,3.9b
ISK IV 20 14 11 24.9 39.41N 28.45E 6–0 4.3L,3.9b
NEIC IV 20 14 11 25.4–2.1 39.45N–.04 28.50E–.03 10–1 4.2b,3.9b
GII IV 20 14 11 25.8–.00 39.26N 28.31E 10 4.2b,3.9b
SOF IV 20 14 11 25.9 39.42N 28.53E 28 4.4,3.9b
MCSM IV 20 14 11 26.5–.50 40N–4.0 28E–3.0 8–2 4.2b,3.9b
THE IV 20 14 11 26.5 39.36N 28.47E 12–2 4.1L,3.9b
BEO IV 20 14 11 28.0–.70 39.48N 28.53E 22–3 3.9L,3.9b
CFUSG IV 20 14 11 28.1 40.00N 28.41E 15 3.6b,3.9b
ISC Event type ke.
IDC Error ellipse: s-maj=14.8km s-min=10.9km az=52.0.
ISK Event type ke.
NEIC Event type se. Error ellipse: s-maj=7.3km s-min=3.6km az=158.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GII Event type ke.
THE Event type ke. Error ellipse: s-maj=2.5km s-min=0.7km az=99.0.
BEO Event type ke.
CFUSG Western Turkey. Magtype MSH 3.2 from 4 stations.
ISC IV 20 16 14 13.2–1.1 39.73N–.04 43.67E–.03 19–3 19 0-2
ISK IV 20 16 14 12.7 39.67N 43.70E 6–0 2.5L ¶610922851
DDA IV 20 16 14 13.1–.00 39.77N 43.63E 7–2 2.3L
ISC Event type ke.
ISK Event type ke.
ISC IV 20 17 27 13.3–1.1 37.13N–.02 28.60E–.02 2–9 96 0-56
IDC IV 20 17 27 08.6–2.0 39.14N 27.24E 0 3.5b,3.4 ¶610922855
ISK IV 20 17 27 12.7 37.12N 28.63E 5–0 3.1L,3.4
ATH IV 20 17 27 13.8 37.24N 28.59E 3–3 2.8L,3.4
DDA IV 20 17 27 13.4–.00 37.11N 28.65E 7–3 2.8L,3.4
THE IV 20 17 27 14.3 37.10N 28.60E 0–1 2.8L,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=92.7km s-min=23.4km az=157.0.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=4.6km s-min=2.5km az=228.0.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=1.1km az=46.0.
DDA IV 20 17 53 01.5–.00 39.40N 26.26E 7–1 1.2L
¶612622079
ISC IV 21 02 49 18.5–.79 39.51N–.01 26.07E–.02 12–5 104 0-2
ISK IV 21 02 49 18.4 39.52N 26.07E 11–0 2.6L ¶610922878
DDA IV 21 02 49 18.7–.00 39.49N 26.09E 11–0 2.3L
ATH IV 21 02 49 18.9 39.52N 26.10E 16–1 2.6L
THE IV 21 02 49 18.8 39.50N 26.05E 12–1 2.5L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.1km s-min=0.9km az=236.0.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.7km az=228.0.
ISC IV 21 03 13 40.8–.79 39.51N–.01 26.07E–.02 13–5 105 0-2
DDA IV 21 03 13 40.9–.00 39.50N 26.08E 11–0 2.3L ¶610922879
ISK IV 21 03 13 40.8 39.51N 26.12E 13–0 2.5L
ATH IV 21 03 13 41.7 39.49N 26.06E 17–1 2.5L
THE IV 21 03 13 41.1 39.51N 26.08E 14–1 2.4L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.0km s-min=1.0km az=80.0.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.9km az=98.0.
ISC IV 21 13 09 22.0–.43 38.82N–.01 29.03E–.01 12–2 5.0b,4.4s 1315 0-165
BEO IV 21 13 08 55.6–1.3 37.68N 31.87E 106–9 5.7L,4.4s ¶610546876
TIR IV 21 13 09 04.0 39.21N 30.33E 16–77 5.1L,4.4s
NAO IV 21 13 09 09.1 37.44N 30.66E 33 4.4b,4.4s
BJI IV 21 13 09 14.5–.00 38.51N 28.29E 6 5.1b,4.8b
IDC IV 21 13 09 19.1–.38 38.83N 29.00E 0 4.6,4.6b
HLW IV 21 13 09 19.1 38.82N 28.70E 10–17 4.8L,4.7
ISK IV 21 13 09 20.6 38.80N 29.06E 7–0 5.0L,4.7
DDA IV 21 13 09 20.8–.00 38.79N 29.05E 6–1 4.9W,4.7
MCSM IV 21 13 09 21.2–.40 39N–3.0 29E–4.0 7–2 5.0b,4.7
PDG IV 21 13 09 21.1–1.2 38.82N 29.07E 6–2 5.1L,4.7
MED_R IV 21 13 09 21.0–.20 38.88N 29.29E 10 5.1W,4.7
MOS IV 21 13 09 21.0–1.0 38.81N 29.05E 15 5.1b,4.4s
GII IV 21 13 09 21.0–.00 38.76N 29.07E 10 5.0,4.4s
NEIC IV 21 13 09 22.1–1.9 38.77N–.04 29.06E–.02 10–1 5.0b,4.4s
THE IV 21 13 09 22.8 38.77N 28.99E 0–0 5.0L,4.4s
GCMT IV 21 13 09 23.1–.20 38.80N–.01 29.25E–.02 12 5.1W,4.4s
CFUSG IV 21 13 09 25.0 39.05N 28.97E 5 4.3b,4.4s
ISC Event type ke.
BEO Event type ke.
IDC Error ellipse: s-maj=9.0km s-min=8.0km az=169.0.
ISK Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.9km s-min=1.4km az=0.0.
MED_R Error ellipse: s-maj=3.3km s-min=2.2km az=-1.0. nsta1 refers to body waves. nsta2 refers to
surface waves, cutoff=35s. Moment Tensor Solution. Mantle waves: s23,c35;Duration: 1s3
Moment tensor: Scale 10^{16}Nm; M_{rr}-3.80±.22 $M_{\theta\theta}$4.48±.16; $M_{\phi\phi}$-0.67±.15; $M_{r\theta}$1.96±.53;
$M_{\theta\phi}$1.52±.19; $M_{\phi r}$-2.86±.76; Best double couple: NP1:ϕ_s285.00000°,δ61.00000°,λ-53.00000°.
NP2:ϕ_s47.00000°,δ46.00000°,λ-138.00000°. Principal axes: T 5.0800,Plg9.0000°
,Azm350.0000°; N 1.0000,Plg32.0000°,Azm85.0000°; P -6.0700,Plg56.0000°,Azm246.0000°
$M_0$5.57000×10^{16}
MOS Error ellipse: s-maj=5.0km s-min=3.0km az=89.2.
GII Event type ke.
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=3.5km az=187.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.9km az=91.0.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s59,c71; s131,c207;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-4.95±.09 $M_{\theta\theta}$5.14±.08; $M_{\phi\phi}$-0.18±.09; $M_{r\theta}$0.64±.26; $M_{\theta\phi}$1.17±.08; $M_{\phi r}$-0.01±.36; Best double couple: NP1:ϕ_s260.00000°,δ48.00000°,λ-88.00000°. NP2:ϕ_s76.00000°,δ42.00000°,λ-93.00000°. Principal axes: T 5.4230,Plg3.0000° ,Azm348.0000°; N -0.4240,Plg2.0000°,Azm78.0000°; P -4.9920,Plg86.0000°,Azm196.0000° $M_0$5.20800×10^{16}
CFUSG Western Turkey. Magtype MSH 4.0 from 5 stations.
ISC IV 21 13 44 52.9–.94 38.79N–.03 29.05E–.03 10–8 29 0-2
DDA IV 21 13 44 52.6–.00 38.79N 29.03E 8–1 2.0L ¶610922921
ISK IV 21 13 44 52.6 38.80N 29.07E 5–0 2.5L
ISC Event type ke.
ISK Event type ke.
ISC IV 21 14 12 21.7–.44 38.66N–.01 27.61E–.01 11–2 4.7b,4.5s 1002 0-159
BEO IV 21 14 11 57.4–.60 37.54N 29.89E 23–5 5.3L,4.5s ¶611833504
IDC IV 21 14 12 19.7–.43 38.62N 27.53E 0 4.4s,4.4
HLW IV 21 14 12 19.3 38.75N 27.79E 11–25 4.9L,4.6
ISK IV 21 14 12 20.9 38.65N 27.60E 13–0 5.1L,4.6
MOS IV 21 14 12 21.6–1.0 38.75N 27.66E 14 4.9b,4.4s
DDA IV 21 14 12 21.6–.00 38.63N 27.59E 13–1 4.9W,4.4s
MED_R IV 21 14 12 21.0–.20 38.65N 27.55E 10 5.1W,4.4s
THE IV 21 14 12 21.8 38.60N 27.61E 1–1 5.0L,4.4s
MCSM IV 21 14 12 21.0–.40 39N–3.0 28E–4.0 9–2 4.9b,4.4s
NEIC IV 21 14 12 22.6–2.5 38.66N–.05 27.67E–.02 10–1 4.9b,4.4s
GII IV 21 14 12 22.0–.00 38.59N 27.71E 30–2 4.4,4.4s
PDG IV 21 14 12 22.9–.74 38.72N 27.64E 16–1 5.0L,4.4s
GCMT IV 21 14 12 23.6–.20 38.64N–.01 27.47E–.02 12 5.1W,4.4s
CFUSG IV 21 14 12 26.5 38.97N 27.96E 28 3.6b,4.4s
SOF IV 21 14 12 28.1 39.25N 27.41E 8 4.8,4.4s
NAO IV 21 14 12 31.2 39.70N 28.94E 33 4.9b,4.4s
ISC Event type ke.
BEO Event type ke.
IDC Error ellipse: s-maj=10.1km s-min=9.2km az=168.0.
ISK Event type ke.
MOS Error ellipse: s-maj=5.2km s-min=3.1km az=86.1.
MED_R Error ellipse: s-maj=3.3km s-min=2.2km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=40s. Moment Tensor Solution. Body waves: s1,c1; Mantle waves: s12,c15;Duration: 1^{s}3 Moment tensor: Scale 10^{16}Nm; M_{rr}-4.18±.27 $M_{\theta\theta}$2.88±.15; $M_{\phi\phi}$1.30±.31; $M_{r\theta}$-0.84±1.03; $M_{\theta\phi}$-3.34±.20; $M_{\phi r}$-3.10±1.11; Best double couple: NP1:ϕ_s337.00000°,δ60.00000°,λ-54.00000°. NP2:ϕ_s101.00000°,δ45.00000°,λ-136.00000°. Principal axes: T 5.7100,Plg8.0000°,Azm42.0000°; N 0.4300,Plg31.0000°,Azm137.0000° ; P -6.1300,Plg58.0000°,Azm298.0000° $M_0$5.92000×10^{16}
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.6km az=40.0.
NEIC Event type se. Error ellipse: s-maj=8.7km s-min=3.0km az=192.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GII Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.8km s-min=1.2km az=0.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s64,c83; s120,c203;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-4.92±.11 $M_{\theta\theta}$3.89±.10; $M_{\phi\phi}$1.03±.10; $M_{r\theta}$-1.33±.33; $M_{\theta\phi}$-3.15±.09; $M_{\phi r}$1.10±.38; Best double couple: NP1:ϕ_s125.00000°,δ54.00000°,λ-87.00000°. NP2:ϕ_s300.00000°,δ36.00000°,λ-95.00000°. Principal axes: T 6.1840,Plg9.0000° ,Azm213.0000°; N -0.9900,Plg3.0000°,Azm303.0000°; P -5.1940,Plg81.0000°,Azm50.0000° $M_0$5.68900×10^{16}
CFUSG Western Turkey. Magtype MSH 4.3 from 6 stations.
DDA IV 21 14 27 52.2–.00 38.77N 28.99E 6–1 0.9L
¶617153884
ISK IV 21 14 28 22.9 38.63N 27.59E 10–0 2.2L
¶610922928
ISK Event type ke.
ISC IV 21 14 39 22.4–.84 38.79N–.02 29.04E–.02 10–6 105 0-39
IDC IV 21 14 39 21.4–1.9 38.69N 29.04E 0 3.3,3.3b ¶610653202
ISK IV 21 14 39 21.8 38.77N 29.05E 3–0 3.5L,3.3b
DDA IV 21 14 39 22.0–.00 38.78N 29.03E 9–1 3.6W,3.3b
THE IV 21 14 39 27.3 38.68N 28.60E 0–3 3.0L,3.3b
ISC Event type ke.
IDC Error ellipse: s-maj=37.1km s-min=18.6km az=154.0.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=5.6km s-min=2.0km az=84.0.
ISC IV 21 15 04 15.4–1.1 38.78N–.03 29.06E–.04 13–8 18 0-1
ISK IV 21 15 04 15.3 38.79N 29.07E 5–0 2.5L ¶610922946
DDA IV 21 15 04 15.2–.00 38.79N 29.04E 9–1 1.8L
ISC Event type ke.
ISK Event type ke.
ISC IV 21 17 47 40.9–.98 38.81N–.02 29.09E–.02 8–8 94 0-39
ISK IV 21 17 47 40.2 38.81N 29.08E 5–0 3.8L ¶610653216
IDC IV 21 17 47 40.4–2.0 38.39N 29.45E 0 3.3b,3.2
DDA IV 21 17 47 40.1–.00 38.83N 29.05E 7–1 3.7W,3.2
BEO IV 21 17 47 41.3–.80 38.91N 29.30E 0 3.6L,3.2
THE IV 21 17 47 44.5 38.68N 28.92E 6–2 3.2L,3.2
SOF IV 21 17 47 46.2 39.28N 28.88E 8 3.7,3.2
ISC Event type ke.
ISK Event type ke.
IDC Error ellipse: s-maj=134.7km s-min=22.1km az=151.0.
BEO Event type ke.
THE Event type ke. Error ellipse: s-maj=3.9km s-min=1.8km az=136.0.
ISC IV 21 20 25 56.8–.88 38.79N–.02 29.04E–.02 9–6 3.2b 119 0-39
IDC IV 21 20 25 55.8–1.0 38.76N 29.14E 0 3.7L,3.5 ¶610653220
DDA IV 21 20 25 55.9–.00 38.79N 29.03E 12–2 3.6W,3.5
ISK IV 21 20 25 55.8 38.78N 29.06E 3–0 3.8L,3.5
BEO IV 21 20 25 57.5–.70 38.78N 29.15E 0 3.6L,3.5
SOF IV 21 20 26 05.1 39.41N 28.66E 8 3.6,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=18.6km s-min=15.4km az=55.0.
ISK Event type ke.
BEO Event type ke.
THE IV 21 20 26 02.4 38.63N 27.59E 0–2 2.6L
¶616739581
THE Event type ke. Error ellipse: s-maj=3.7km s-min=1.4km az=74.0.
ISC IV 21 22 21 37.3–.86 37.72N–.02 29.19E–.02 11–6 3.4b 110 0-40
ISK IV 21 22 21 35.2 37.73N 29.18E 5–0 3.7L ¶610653225
DDA IV 21 22 21 36.5–.00 37.72N 29.15E 16–1 3.7W
THE IV 21 22 21 37.0 37.86N 29.30E 0–1 3.6L
IDC IV 21 22 21 41.6–1.6 37.59N 29.35E 48–24 3.6,3.6L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=4.1km s-min=1.6km az=69.0.
IDC Error ellipse: s-maj=19.3km s-min=13.8km az=135.0.
ISC IV 22 04 49 59.6–1.1 38.54N–.05 43.44E–.05 13–6 14 0-1
DDA IV 22 04 49 59.2–.00 38.48N 43.49E 14–2 2.5L ¶610923043
ISK IV 22 04 49 59.5 38.63N 43.37E 5–0 2.4L
ISC Event type ke.
ISK Event type ke.
ISC IV 22 05 01 50.1–1.2 39.71N–.04 38.96E–.03 8–15 15 0-1
ISK IV 22 05 01 50.5 39.64N 39.01E 5–0 2.8L ¶610923044
DDA IV 22 05 01 50.0–.00 39.72N 38.92E 7–2 1.9L
ISC Event type ke.
ISK Event type ke.
ISC IV 22 05 07 36.2–.99 38.64N–.03 27.61E–.02 9–9 41 0-2
ISK IV 22 05 07 35.7 38.65N 27.62E 6–0 2.7L ¶610923045
DDA IV 22 05 07 36.0–.00 38.64N 27.61E 7–3 2.5L
THE IV 22 05 07 36.2 38.61N 27.65E 2–3 2.6L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=3.3km s-min=1.0km az=158.0.
ISC IV 22 07 01 14.5–.86 38.63N–.01 27.62E–.01 15–6 194 0-5
DDA IV 22 07 01 13.9–.00 38.63N 27.60E 14–1 3.4W ¶610923052
ISK IV 22 07 01 13.9 38.64N 27.61E 10–0 3.7L
ATH IV 22 07 01 14.4 38.59N 27.73E 15–7 3.4L
THE IV 22 07 01 14.4 38.60N 27.63E 2–1 3.4L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=9.3km s-min=1.8km az=89.0.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.6km az=69.0.
DDA IV 22 07 23 10.1–.00 38.62N 27.56E 7–6 1.6L
¶612622188
ISK IV 22 16 13 55.7 38.02N 30.76E 29–0 2.5L
¶610923089
ISK Event type ke.
DDA IV 22 16 14 26.5–.00 38.79N 29.00E 6–1 1.1L
¶616740526
DDA IV 22 16 47 43.0–.00 38.61N 27.60E 7–2 1.7L
¶617153887
ISK IV 22 16 47 54.6 37.14N 28.72E 5–0 2.0L
¶610923090
ISK Event type ke.
ISC IV 23 01 05 16.0–.98 37.11N–.03 28.66E–.02 10–8 42 0-2
DDA IV 23 01 05 15.7–.00 37.12N 28.65E 7–1 2.2L ¶610923116
ISK IV 23 01 05 15.7 37.08N 28.67E 6–0 2.7L
THE IV 23 01 05 15.9 37.11N 28.68E 0–1 2.3L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=3.2km s-min=1.3km az=70.0.
ISC IV 23 04 12 00.7–.95 38.26N–.04 42.92E–.04 10–7 24 0-2
ISK IV 23 04 12 00.2 38.24N 42.92E 7–0 2.8L ¶610923129
DDA IV 23 04 12 01.0–.00 38.31N 42.90E 7–2 2.7L
ISC Event type ke.
ISK Event type ke.
ISC IV 23 05 48 03.7–.89 38.26N–.03 42.91E–.03 9–7 35 0-2
DDA IV 23 05 48 03.9–.00 38.26N 42.91E 6–1 2.9L ¶610923133
ISK IV 23 05 48 03.1 38.26N 42.91E 5–0 2.8L
ISC Event type ke.
ISK Event type ke.
ISC IV 23 12 12 44.7–1.1 39.73N–.02 38.83E–.02 7–11 53 1-3
DDA IV 23 12 12 41.6–.00 39.75N 38.68E 3–1 3.8W ¶610923155
ISK IV 23 12 12 43.6 39.76N 38.81E 2–0 3.6L
ISC Event type ke.
ISK Event type ke.
ISC IV 24 01 16 11.6–.86 39.55N–.02 26.03E–.02 15–6 80 0-2
DDA IV 24 01 16 11.7–.00 39.55N 26.05E 15–1 2.6L ¶610923199
ISK IV 24 01 16 11.6 39.56N 26.05E 6–0 2.6L
THE IV 24 01 16 12.2 39.56N 26.01E 10–1 2.2L
ATH IV 24 01 16 12.4 39.54N 26.01E 16–3 2.5L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.5km az=195.0.
ATH Event type ke. Error ellipse: s-maj=4.1km s-min=1.1km az=124.0.
DDA IV 24 21 39 36.8–.00 38.59N 27.64E 7–5 1.2L
¶612622311
DDA IV 25 12 50 21.4–.00 39.55N 26.15E 4–5 1.7L
ISK IV 25 12 50 21.4 39.55N 26.19E 13–0 1.7L ¶610923304
ISK Event type ke.
ISC IV 25 22 24 03.1–1.3 36.44N–.02 35.64E–.02 5–11 63 0-5
DDA IV 25 22 24 03.0–.00 36.43N 35.64E 4–1 2.7L ¶610923337
ISK IV 25 22 24 03.2 36.42N 35.67E 14–0 2.6L
GII IV 25 22 24 06.2–.00 36.26N 35.34E 1–2 2.7
ISC Event type ke.
ISK Event type ke.
GII Event type ke.
ISC IV 25 22 24 31.9–.99 37.51N–.04 38.45E–.03 14–9 27 0-2
ISK IV 25 22 24 30.8 37.37N 38.38E 12–0 2.5L ¶610923338
DDA IV 25 22 24 32.6–.00 37.58N 38.49E 7–3 2.3L
ISC Event type ke.
ISK Event type ke.
ISC IV 26 08 03 56.4–.92 38.65N–.02 27.59E–.02 12–8 166 0-7
ISK IV 26 08 03 55.5 38.67N 27.57E 14–0 3.8L ¶610923374
DDA IV 26 08 03 55.9–.00 38.67N 27.57E 19–2 3.9W
BEO IV 26 08 03 55.2–.60 38.66N 27.87E 0 3.9L
THE IV 26 08 03 56.2 38.63N 27.61E 0–1 4.0L
ATH IV 26 08 03 58.0 38.49N 27.64E 10–31 3.9L
ISC Event type ke.
ISK Event type ke.
BEO Event type ke.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.8km az=152.0.
ATH Event type ke. Error ellipse: s-maj=31.6km s-min=2.5km az=0.0.
ISC IV 26 08 26 41.5–.95 37.58N–.02 38.49E–.02 7–9 79 0-6
ISK IV 26 08 26 40.9 37.56N 38.49E 11–0 3.6L ¶610923377
DDA IV 26 08 26 40.8–.00 37.59N 38.49E 8–2 3.5W
GII IV 26 08 26 58.4–.00 37.59N 38.49E 8 3.4
ISC Event type ke.
ISK Event type ke.
GII Event type ke.
DDA IV 26 09 46 02.5–.00 39.49N 26.18E 10–0 1.5L
ISK IV 26 09 46 02.5 39.52N 26.19E 4–0 1.8L ¶610923394
ISK Event type ke.
ISC IV 26 17 33 11.3–1.2 38.44N–.04 39.20E–.03 4–11 22 1-2
ISK IV 26 17 33 10.4 38.46N 39.20E 1–0 2.5L ¶610923443
DDA IV 26 17 33 11.1–.00 38.43N 39.20E 7–3 2.1L
ISC Event type ke.
ISK Event type ke.
ISC IV 27 09 51 00.7–1.0 37.57N–.03 38.49E–.02 8–9 56 0-4
DDA IV 27 09 51 00.4–.00 37.59N 38.49E 10–2 3.7W ¶610923505
ISK IV 27 09 51 00.1 37.57N 38.49E 3–0 3.9L
ISC Event type ke.
ISK Event type ke.
ISC IV 28 08 54 51.1–.84 39.57N–.02 26.04E–.02 11–6 85 0-4
DDA IV 28 08 54 50.7–.00 39.55N 26.07E 15–1 3.1L ¶610923560
ATH IV 28 08 54 51.8 39.54N 26.07E 18–3 3.0L
THE IV 28 08 54 51.6 39.58N 26.06E 6–1 2.9L
ISK IV 28 08 54 51.1 39.58N 26.06E 8–0 3.2L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.4km s-min=1.2km az=172.0.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.6km az=126.0.
ISK Event type ke.
ISC IV 28 08 55 30.1–.86 39.58N–.02 26.08E–.02 11–6 59 0-2
DDA IV 28 08 55 28.9–.00 39.53N 26.00E 13–1 3.4W ¶610923563
ISK IV 28 08 55 29.5 39.58N 26.11E 3–0 3.2L
ATH IV 28 08 55 30.1 39.59N 26.09E 6–5 3.1L
THE IV 28 08 55 30.1 39.58N 26.06E 4–2 3.2L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=5.5km s-min=1.0km az=231.0.
THE Event type ke. Error ellipse: s-maj=2.0km s-min=0.6km az=187.0.
DDA IV 28 13 03 57.4–.00 39.58N 26.11E 7–2 1.0L
¶612622466
DDA IV 28 15 47 43.9–.00 38.66N 27.59E 7–6 1.3L
¶612622468
DDA IV 28 17 41 31.3–.00 39.51N 26.15E 11–0 1.6L
ISK IV 28 17 41 31.3 39.51N 26.17E 5–0 1.7L ¶610923606
ISK Event type ke.
DDA IV 29 01 17 40.2–.00 38.63N 27.61E 7–3 1.9L
ISK IV 29 01 17 39.9 38.66N 27.60E 15–1 2.0L ¶610923652
ISK Event type ke.
ISC IV 29 02 09 54.6–.92 37.01N–.02 28.19E–.01 7–6 3.9b 274 0-75
ISK IV 29 02 09 53.5 37.01N 28.17E 5–0 3.7L ¶610588559
IDC IV 29 02 09 53.7–.84 36.99N 28.25E 0 3.8,3.8b
THE IV 29 02 09 54.8 37.03N 28.19E 1–1 3.7L,3.8b
DDA IV 29 02 09 55.4–.00 37.09N 28.17E 10–1 3.8W,3.8b
ATH IV 29 02 09 56.0 37.00N 28.15E 9–3 3.6L,3.8b
GII IV 29 02 09 58.9–.00 36.69N 28.74E 1 3.7,3.8b
ISC Event type ke.

ISK Event type ke.
IDC Error ellipse: s-maj=17.6km s-min=15.0km az=149.0.
THE Event type ke. Error ellipse: s-maj=2.0km s-min=1.0km az=119.0.
ATH Event type ke. Error ellipse: s-maj=3.6km s-min=1.3km az=218.0.
GII Event type ke.
ISC IV 29 10 39 13.4–1.1 38.84N–.02 40.14E–.02 9–9 62 0-4
ISK IV 29 10 39 12.9 38.84N 40.16E 8–0 3.6L **¶610923708**
DDA IV 29 10 39 13.0–.00 38.84N 40.12E 7–3 3.5W
ISC Event type ke.
ISK Event type ke.
ISK IV 29 10 59 56.0 39.61N 28.98E 12–0 1.6L
¶610923709
ISK Event type ke.
ISK IV 29 12 05 01.3 37.39N 27.64E 8–0 1.9L
DDA IV 29 12 05 01.4–.00 37.37N 27.62E 7–1 1.6L **¶610923720**
ISK Event type ke.
ISC IV 30 02 06 36.9–.98 38.91N–.04 27.75E–.04 11–6 17 0-1
DDA IV 30 02 06 36.7–.00 38.92N 27.73E 9–1 1.1L **¶610923791**
ISK IV 30 02 06 37.8 38.84N 27.81E 8–3 1.4L
ISC Event type ke.
ISK Event type ke.
ISC IV 30 05 07 20.5–.78 36.43N–.02 29.14E–.02 28–5 3.5b 139 0-40
ISK IV 30 05 07 19.8 36.41N 29.09E 12–0 3.4L **¶610591573**
ATH IV 30 05 07 20.0 36.42N 29.11E 33–5 3.2L
IDC IV 30 05 07 20.6–2.6 36.33N 29.21E 37–28 3.7L,3.6
THE IV 30 05 07 20.6 36.43N 29.09E 4–4 3.2L,3.6
DDA IV 30 05 07 21.0–.00 36.45N 29.06E 21–4 3.6W,3.6
NIC IV 30 05 07 21.0–.00 36.41N 29.20E 41–2 3.2L,3.6
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=5.9km s-min=1.2km az=161.0.
IDC Error ellipse: s-maj=23.5km s-min=14.5km az=160.0.
THE Event type ke. Error ellipse: s-maj=4.3km s-min=0.7km az=174.0.
NIC Event type ke.
ISC IV 30 06 00 27.2–.97 38.75N–.03 43.42E–.04 12–9 25 0-2
ISK IV 30 06 00 26.1 38.72N 43.46E 2–0 3.0L **¶610923810**
DDA IV 30 06 00 26.5–.00 38.72N 43.44E 7–3 2.7L
ISC Event type ke.
ISK Event type ke.
ISC IV 30 08 01 09.0–1.1 38.86N–.03 40.16E–.03 8–11 22 0-2
ISK IV 30 08 01 08.0 38.82N 40.30E 10–1 2.7L **¶610923814**
DDA IV 30 08 01 09.1–.00 38.87N 40.16E 7–2 2.0L
ISC Event type ke.
ISK Event type ke.
ISC IV 30 16 34 45.2–.81 38.28N–.02 42.96E–.02 10–5 86 0-4
AZER IV 30 16 34 42.0–.53 37.85N 43.00E 10 **¶610923848**
ISK IV 30 16 34 44.6 38.28N 43.03E 10–0 3.4L
DDA IV 30 16 34 44.7–.00 38.26N 42.94E 11–1 3.5W
ISC Event type ke.
AZER Error ellipse: s-maj=14.7km s-min=7.3km az=300.0.
ISK Event type ke.
ISC V 01 02 23 12.0–.80 38.71N–.01 43.45E–.01 12–5 3.4b 198 0-45
NSSP V 01 02 23 08.5 38.63N 43.62E 10 3.5s **¶610689276**
ISK V 01 02 23 09.8 38.72N 43.50E 5–0 3.5L
AZER V 01 02 23 09.0–1.3 38.71N 43.42E 10–26 3.5L
DDA V 01 02 23 10.6–.00 38.73N 43.45E 19–2 3.7W
IDC V 01 02 23 10.3–1.8 38.67N 43.56E 0 3.5b,3.2
TEH V 01 02 23 11.0 38.73N 43.48E 6–39 3.5L,3.2
ISC Event type ke.
ISK Event type ke.
AZER Error ellipse: s-maj=49.4km s-min=7.1km az=242.0.
IDC Error ellipse: s-maj=31.0km s-min=10.6km az=142.0.
TEH Error ellipse: s-maj=1.3km s-min=1.8km az=-1.0.
ISC V 01 10 01 37.1–.89 39.99N–.01 26.85E–.01 10–7 188 0-7
ISK V 01 10 01 36.7 40.01N 26.85E 5–0 3.5L **¶611015853**
DDA V 01 10 01 36.5–.00 39.98N 26.87E 7–2 3.3W
SOF V 01 10 01 36.9 40.07N 26.85E 10 3.0
THE V 01 10 01 37.3 40.00N 26.85E 8–1 3.2L
BEO V 01 10 01 38.6–.80 40.03N 26.78E 3–3 3.2L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=2.0km s-min=0.8km az=253.0.
BEO Event type ke.
ISC V 01 16 30 41.1–.63 38.24N–.01 42.96E–.01 2–4 4.3b,4.1s 505 0-85
GII V 01 16 30 35.9–.00 40.60N 40.30E 1–0 5.1,5.1 **¶610589748**
ISN V 01 16 30 38.7–.50 38.42N 42.76E 18–5 4.4L,5.1
IDC V 01 16 30 40.5–.62 38.17N 42.90E 0 4.0,4.0b
DDA V 01 16 30 40.9–.00 38.27N 42.93E 12–1 4.5W,4.0b
DSN V 01 16 30 41.2–.83 38.02N 42.88E 15 4.7b,4.0b
AZER V 01 16 30 41.1–.13 38.33N 42.94E 7 4.7b,4.0b
MOS V 01 16 30 41.3–1.7 38.12N 43.08E 18 4.5b,4.0b
TEH V 01 16 30 41.1 38.28N 42.94E 6–13 4.5L,4.0b
ISK V 01 16 30 41.0 38.29N 42.90E 5–0 4.0L,4.0b
NSSP V 01 16 30 43.0 38.23N 43.17E 10 4.2s,4.0b
NEIC V 01 16 30 42.5–1.8 38.23N–.05 42.95E–.06 10–1 4.5b,4.0b
ISC Event type ke.
GII Event type ke.
ISK Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 01 18 09 05.7–.78 38.25N–.02 42.91E–.01 7–6 3.5b,3.4s 250 0-77
AZER V 01 18 09 00.2–.04 38.05N 42.70E 5 3.5b,3.4s **¶610671262**
IDC V 01 18 09 03.5–.99 38.18N 42.96E 0 3.5,3.5b
ISK V 01 18 09 04.7 38.29N 42.92E 5–0 3.8L,3.5b
ISN V 01 18 09 05.1–.96 38.29N 42.70E 22–9 4.0L,3.5b
TEH V 01 18 09 05.4 38.28N 42.95E 12–14 3.9L,3.5b
DDA V 01 18 09 05.0–.00 38.26N 42.93E 12–1 4.1W,3.5b
NSSP V 01 18 09 07.9 38.25N 42.72E 10 3.5s,3.5b
ISC Event type ke.
AZER Error ellipse: s-maj=0.6km s-min=0.5km az=302.0.
IDC Error ellipse: s-maj=16.7km s-min=10.5km az=154.0.
ISK Event type ke.
ISN Error ellipse: s-maj=7.4km s-min=31.4km az=-1.0.
TEH Error ellipse: s-maj=1.1km s-min=1.3km az=-1.0.
ISC V 01 21 29 27.8–.79 38.28N–.02 42.95E–.02 10–5 2.6s 176 0-30
TEH V 01 21 29 27.4 38.32N 42.94E 11–20 3.6L **¶610689343**
ISK V 01 21 29 27.0 38.30N 42.91E 6–0 3.6L
DDA V 01 21 29 27.0–.00 38.26N 42.96E 14–0 3.8W
IDC V 01 21 29 28.5–1.2 38.37N 43.03E 0 3.5b,3.3
AZER V 01 21 29 30.9–.21 38.38N 43.12E 18–5 3.5b,3.3
NSSP V 01 21 29 31.4 38.28N 43.00E 10 3.2s,3.3
ISC Event type ke.
TEH Error ellipse: s-maj=1.8km s-min=1.9km az=-1.0.
ISK Event type ke.
IDC Error ellipse: s-maj=20.0km s-min=10.8km az=144.0.
AZER Error ellipse: s-maj=10.3km s-min=1.1km az=245.0.
ISC V 02 11 46 23.7–1.0 38.31N–.04 42.97E–.04 15–6 18 0-2
DDA V 02 11 46 23.7–.00 38.25N 42.98E 14–1 2.3L **¶611507051**
ISK V 02 11 46 23.5 38.42N 42.94E 12–0 2.5L
ISC Event type ke.
ISK Event type ke.
DDA V 02 15 19 16.6–.00 39.08N 29.04E 7–3 1.4L
¶612622619
ISC V 02 20 38 06.1–.95 37.56N–.02 38.52E–.02 8–8 71 0-5
DDA V 02 20 38 05.7–.00 37.57N 38.51E 8–1 3.6W **¶611507066**
ISK V 02 20 38 05.7 37.57N 38.53E 9–0 3.6L
ISC Event type ke.
ISK Event type ke.
ISC V 03 04 09 49.6–1.0 37.11N–.02 28.65E–.02 6–8 73 0-40
IDC V 03 04 09 48.0–1.6 36.87N 28.79E 0 3.4,3.4b **¶610689428**
ISK V 03 04 09 48.7 37.10N 28.66E 5–0 3.2L,3.4b
DDA V 03 04 09 49.2–.00 37.12N 28.68E 7–2 3.0L,3.4b
THE V 03 04 09 50.9 37.12N 28.62E 0–2 2.9L,3.4b
ISC Event type ke.
IDC Error ellipse: s-maj=96.9km s-min=21.4km az=143.0.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=3.7km s-min=1.9km az=42.0.
ISC V 03 06 36 10.3–.81 39.55N–.02 26.06E–.02 15–5 68 0-2
ISK V 03 06 36 09.9 39.56N 26.06E 14–0 2.8L **¶611015908**
DDA V 03 06 36 10.1–.00 39.54N 26.07E 16–0 2.8L
THE V 03 06 36 10.6 39.56N 26.05E 6–2 2.5L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=2.1km s-min=0.7km az=159.0.
ISC V 04 01 49 14.2–1.1 37.21N–.03 42.52E–.02 14–9 64 0-4
ISN V 04 01 49 13.8–1.4 37.21N 43.43E 5–270 2.5L **¶610671279**
DDA V 04 01 49 14.5–.00 37.24N 42.50E 5–4 2.6L
ISK V 04 01 49 15.1 37.33N 42.56E 5–0 2.5L
ISC Event type ke.
ISN Error ellipse: s-maj=19.5km s-min=8.0km az=-1.0.
ISK Event type ke.
ISC V 04 07 15 46.8–.96 37.06N–.02 36.02E–.02 9–7 3.8b 106 0-78
IDC V 04 07 15 45.3–.87 37.07N 35.89E 0 3.9,3.9b **¶610689530**
DDA V 04 07 15 45.7–.00 36.98N 36.03E 20–4 3.8W,3.9b
ISK V 04 07 15 46.5 36.99N 36.06E 9–0 3.8L,3.9b
GII V 04 07 15 48.2–.00 36.93N 36.05E 4–0 3.5,3.9b
ISC Event type ke.
IDC Error ellipse: s-maj=20.8km s-min=12.4km az=75.0.
ISK Event type ke.
GII Event type ke.
ISC V 04 10 46 24.5–1.0 36.50N–.08 34.08E–.08 10–10 20 0-1
ISK V 04 10 46 23.9 36.54N 34.05E 6–0 2.5L **¶611507159**
DDA V 04 10 46 24.7–.00 36.44N 34.08E 7–0 1.7L
ISC Event type ke.
ISK Event type ke.
ISC V 05 05 29 49.7–1.1 41.76N–.03 34.21E–.03 4–11 35 0-3
ISK V 05 05 29 49.8 41.75N 34.17E 9–0 3.0L **¶611507196**
DDA V 05 05 29 51.2–.00 41.64N 34.18E 7–2 2.6L
CFUSG V 05 05 29 52.5 41.72N 34.13E 10 2.3b
ISC Event type ke.
ISK Event type ke.
CFUSG Northern Turkey. Magtype MSH 3.4 from 2 stations.
ISC V 06 09 35 31.7–.92 38.28N–.04 42.93E–.04 12–6 19 0-2
ISK V 06 09 35 31.9 38.32N 42.89E 12–0 2.4L **¶611507274**
DDA V 06 09 35 32.0–.00 38.29N 42.92E 7–3 2.6L
ISC Event type ke.
ISK Event type ke.
ISC V 06 15 09 13.0–.83 39.55N–.02 26.09E–.02 9–5 84 0-2
ISK V 06 15 09 12.5 39.54N 26.08E 6–0 2.5L **¶611015983**
THE V 06 15 09 13.4 39.56N 26.11E 10–1 2.3L
DDA V 06 15 09 13.3–.00 39.56N 26.12E 6–0 2.6L
ATH V 06 15 09 13.8 39.54N 26.08E 11–1 2.5L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.5km az=164.0.
ATH Event type ke. Error ellipse: s-maj=2.1km s-min=0.9km az=66.0. ML Amplitudes are
expressed in micrometers.
ISC V 07 00 02 39.2–.80 39.50N–.02 26.17E–.02 14–5 77 0-3
ISK V 07 00 02 38.9 39.50N 26.17E 7–0 2.6L **¶611015986**
ATH V 07 00 02 39.7 39.50N 26.17E 12–1 2.0L
DDA V 07 00 02 39.2–.00 39.51N 26.18E 11–0 2.2L
THE V 07 00 02 39.1 39.50N 26.19E 15–0 2.2L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.2km s-min=1.0km az=236.0. ML Amplitudes are
expressed in micrometers.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.6km az=82.0.
ISC V 07 13 44 15.0–1.2 40.57N–.02 35.25E–.02 2–11 62 0-4
ISK V 07 13 44 13.9 40.58N 35.26E 5–0 3.5L **¶611507350**
DDA V 07 13 44 14.5–.00 40.53N 35.25E 7–2 3.2L
CFUSG V 07 13 44 15.5 40.70N 35.20E 10 2.4b
ISC Event type ke.
ISK Event type ke.
CFUSG Northern Turkey. Magtype MSH 3.2 from 2 stations.
ISC V 07 17 03 36.8–1.1 40.52N–.01 35.21E–.02 1–9 2.6s 116 0-74
CFUSG V 07 17 03 36.0 40.60N 35.20E 10 2.9b **¶610689739**
ISK V 07 17 03 36.0 40.56N 35.25E 5–0 3.7L
DDA V 07 17 03 37.0–.00 40.54N 35.23E 7–2 3.5W
IDC V 07 17 03 37.1–1.8 40.43N 35.24E 0 3.5L,3.3
ISC Event type ke.
CFUSG Northern Turkey. Magtype MSH 3.1 from 4 stations.
ISK Event type ke.
IDC Error ellipse: s-maj=34.3km s-min=16.2km az=131.0.
ISC V 07 22 50 18.0–.82 39.56N–.02 26.06E–.02 12–5 74 0-2
ISK V 07 22 50 17.7 39.56N 26.10E 7–0 2.7L **¶611015996**
DDA V 07 22 50 18.2–.00 39.56N 26.09E 10–0 2.4L
THE V 07 22 50 18.2 39.57N 26.07E 12–1 2.5L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.6km az=107.0.
ISC V 08 08 47 18.7–.85 37.88N–.02 27.14E–.02 10–6 3.7b 197 0-41
ATH V 08 08 47 17.6 37.86N 27.16E 26–2 3.8L **¶610689783**
ISK V 08 08 47 17.9 37.87N 27.13E 12–0 4.3L
IDC V 08 08 47 17.1–1.1 37.81N 27.18E 0 3.9,3.9L
THE V 08 08 47 18.4 37.84N 27.12E 0–1 4.2L,3.9L
DDA V 08 08 47 19.1–.00 37.87N 27.14E 5–0 4.2W,3.9L
SOF V 08 08 47 36.4 39.34N 26.79E 10 3.8,3.9L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.9km s-min=1.3km az=248.0. ML Amplitudes are
expressed in micrometers.
ISK Event type ke.
IDC Error ellipse: s-maj=21.1km s-min=18.2km az=122.0.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.6km az=33.0.
ISC V 08 11 00 30.3–.80 39.26N–.02 26.21E–.02 10–5 70 0-2
ATH V 08 11 00 29.8 39.27N 26.23E 13–1 2.3L **¶611016013**
ISK V 08 11 00 29.8 39.25N 26.19E 8–0 2.6L
THE V 08 11 00 30.6 39.28N 26.19E 0–1 2.1L
DDA V 08 11 00 30.1–.00 39.25N 26.21E 7–3 2.2L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.7km s-min=1.5km az=117.0. ML Amplitudes are
expressed in micrometers.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=2.0km s-min=0.6km az=147.0.
ISC V 08 13 19 18.1–1.1 40.55N–.02 35.21E–.02 5–10 74 0-4
ISK V 08 13 19 16.9 40.58N 35.26E 5–0 3.5L **¶611507418**
DDA V 08 13 19 17.8–.00 40.55N 35.20E 7–2 3.5L
CFUSG V 08 13 19 18.6 40.60N 35.30E 5 2.4b
ISC Event type ke.
ISK Event type ke.
CFUSG Northern Turkey. Magtype MSH 3.0 from 2 stations.
ISC V 09 07 50 07.8–1.1 40.00N–.04 42.24E–.03 14–9 22 0-2
DDA V 09 07 50 07.9–.00 39.99N 42.22E 7–1 2.5L **¶611507451**
ISK V 09 07 50 07.3 40.01N 42.25E 17–0 2.7L
ISC Event type ke.
ISK Event type ke.
ISK V 09 10 05 40.2 39.50N 26.26E 6–0 2.3L
¶611507463
ISK Event type ke.
ISC V 09 10 10 07.5–1.0 40.54N–.03 35.26E–.03 11–9 32 0-2
ISK V 09 10 10 07.2 40.56N 35.26E 10–0 2.7L **¶611507464**
DDA V 09 10 10 07.4–.00 40.53N 35.26E 7–1 2.1L
ISC Event type ke.

ISK Event type ke.
ISC V 09 13 08 14.5–.91 37.90N–.02 27.17E–.02 13–8 41 0-2
ISK V 09 13 08 14.3 37.90N 27.22E 5–0 2.4L ¶611016035
DDA V 09 13 08 14.2–.00 37.89N 27.17E 7–4 2.2L
THE V 09 13 08 15.7 37.82N 27.13E 11–5 2.5L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=6.1km s-min=1.2km az=231.0.
ISC V 09 13 43 07.0–.91 36.15N–.02 35.89E–.02 9–7 65 0-3
ISK V 09 13 43 06.6 36.12N 35.90E 15–0 3.2L ¶611507467
DDA V 09 13 43 07.2–.00 36.14N 35.88E 7–4 3.2L
ISC Event type ke.
ISK Event type ke.
ISC V 09 17 45 55.6–.86 37.87N–.02 27.16E–.02 11–7 70 0-2
DDA V 09 17 45 55.2–.00 37.86N 27.11E 7–3 2.7L ¶611016040
ISK V 09 17 45 55.2 37.89N 27.18E 7–0 2.9L
THE V 09 17 45 56.0 37.83N 27.14E 2–1 2.8L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.4km az=171.0.
ISC V 09 18 43 53.5–.82 39.55N–.01 26.08E–.02 13–5 81 0-2
ISK V 09 18 43 52.9 39.55N 26.08E 5–0 2.6L ¶611016041
DDA V 09 18 43 53.4–.00 39.54N 26.11E 11–0 2.3L
THE V 09 18 43 53.6 39.56N 26.09E 8–1 2.3L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.5km az=143.0.
ISC V 10 16 07 39.1–.83 39.53N–.02 26.18E–.02 10–5 79 0-2
ISK V 10 16 07 38.3 39.51N 26.20E 6–0 2.8L ¶611016061
ATH V 10 16 07 38.3 39.51N 26.20E 27–1 2.6L
DDA V 10 16 07 39.0–.00 39.53N 26.19E 7–0 2.5L
THE V 10 16 07 39.4 39.53N 26.18E 5–1 2.6L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.6km s-min=1.0km az=239.0. ML Amplitudes are expressed in micrometers.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.3km az=168.0.
ISC V 10 22 35 26.6–1.2 37.22N–.02 35.95E–.02 4–10 103 0-35
IDC V 10 22 35 26.3–1.4 37.18N 35.84E 0 3.5,3.4b ¶610641834
DDA V 10 22 35 26.8–.00 37.22N 35.93E 7–8 2.9L,3.4b
ISK V 10 22 35 27.0 37.17N 36.00E 16–0 3.3L,3.4b
GII V 10 22 35 27.1–.00 37.19N 36.06E 1 2.9,3.4b
NIC V 10 22 35 30.2–.00 36.66N 36.22E 32–38 3.4L,3.4b
ISC Event type ke.
IDC Error ellipse: s-maj=23.7km s-min=14.3km az=66.0.
ISK Event type ke.
GII Event type ke.
NIC Event type ke.
ISC V 11 06 13 27.5–1.1 38.20N–.02 36.86E–.02 3–10 74 0-4
DDA V 11 06 13 26.8–.00 38.19N 36.81E 7–2 3.7W ¶611507540
ISK V 11 06 13 26.4 38.21N 36.85E 5–0 3.7L
ISC Event type ke.
ISK Event type ke.
ISC V 11 13 36 56.8–1.1 36.08N–.03 29.45E–.02 16–8 130 0-8
DDA V 11 13 36 57.5–.00 36.09N 29.32E 14–2 3.2L ¶610642295
ISK V 11 13 36 58.0 36.16N 29.34E 16–0 3.4L
NIC V 11 13 36 58.4–.00 36.08N 29.46E 25–0 3.6L
THE V 11 13 36 59.4 36.12N 29.45E 20–4 3.1L
GII V 11 13 36 59.8–.00 35.92N 29.58E 20 3.2
ISC Event type ke.
ISK Event type ke.
NIC Event type ke.
THE Event type ke. Error ellipse: s-maj=6.8km s-min=0.7km az=113.0.
GII Event type ke.
ISC V 11 13 41 04.0–1.2 38.50N–.04 43.86E–.05 9–10 20 0-1
DDA V 11 13 41 03.9–.00 38.50N 43.85E 7–3 2.2L ¶611507561
ISK V 11 13 41 04.2 38.49N 43.87E 7–0 2.5L
ISC Event type ke.
ISK Event type ke.
ISC V 11 17 58 02.7–.36 40.07N–.01 40.68E–.01 14–2 5.0b,4.1s 1505 0-146
ISK V 11 17 57 59.9 40.07N 40.71E 5–0 5.1L,4.1s ¶610650471
IDC V 11 17 58 00.2–.38 39.99N 40.72E 0 4.8b,4.7
MOS V 11 17 58 00.6–1.0 40.04N 40.68E 11 5.1b,4.1s
MCSM V 11 17 58 01.9–.40 40N–4.0 41E–5.0 6–3 5.2b,4.1s
AZER V 11 17 58 01.4–.29 40.03N 40.71E 1 5.2b,4.1s
MED_R V 11 17 58 01.0–.90 40.14N 40.91E 10 4.8W,4.1s
GII V 11 17 58 02.9–.00 40.07N 40.71E 3 4.8W,4.1s
BGR V 11 17 58 02.3 38.94N 40.11E 33 4.9b,3.6s
GCMT V 11 17 58 02.7–.30 40.06N–.02 40.66E–.02 20–0 4.9W,3.6s
NEIC V 11 17 58 02.7–1.4 40.04N–.05 40.74E–.05 13–3 5.1b,3.6s
DDA V 11 17 58 02.2–.00 40.06N 40.71E 6–1 4.7W,3.6s
CFUSG V 11 17 58 03.5 39.95N 40.42E 28 4.2b,3.6s
DSN V 11 17 58 03.9–.57 39.97N 40.92E 10 5.2b,3.6s
ISC Event type ke.
ISK Event type ke.
IDC Error ellipse: s-maj=9.5km s-min=6.7km az=171.0.
MOS Error ellipse: s-maj=3.4km s-min=3.0km az=96.3.
AZER Error ellipse: s-maj=2.1km s-min=1.8km az=37.0.
MED_R Error ellipse: s-maj=6.7km s-min=2.2km az=-1.0. nsta1 refers to body waves. nsta2 refers to surface waves, cutoff=35s. Moment Tensor Solution. Mantle waves: s20,c25;Duration: 1s3 Moment tensor: Scale 10^{16}Nm; M_{rr}0.82±.09 $M_{\theta\theta}$-0.36±.09; $M_{\phi\phi}$-0.47±.07; $M_{r\theta}$0.01±.42; $M_{\theta\phi}$-1.72±.07; $M_{\phi r}$1.11±.30; Best double couple: NP1:ϕ_s7.00000°,δ75.00000°,λ40.00000°. NP2:ϕ_s265.00000°,δ51.00000°,λ161.00000°. Principal axes: T 1.9300,Plg39.0000° ,Azm233.0000°; N 0.4200,Plg48.0000°,Azm24.0000°; P -2.3500,Plg15.0000°,Azm131.0000° $M_0$2.14000×10^{16}
GII Event type ke.
BGR Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s40,c48; s94,c141;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.77±.16 $M_{\theta\theta}$-1.20±.10; $M_{\phi\phi}$-1.57±.10; $M_{r\theta}$0.21±.22; $M_{\theta\phi}$-1.72±.06; $M_{\phi r}$0.44±.20; Best double couple: NP1:ϕ_s39.00000°,δ50.00000°,λ86.00000°. NP2:ϕ_s225.00000°,δ41.00000°,λ95.00000°. Principal axes: T 2.8140,Plg85.0000° ,Azm276.0000°; N 0.3370,Plg3.0000°,Azm42.0000°; P -3.1510,Plg4.0000°,Azm132.0000° $M_0$2.98300×10^{16}
NEIC Event type se. Error ellipse: s-maj=7.0km s-min=5.5km az=173.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
CFUSG Eastern Turkey. Magtype MSH 3.4 from 6 stations.
DSN Error ellipse: s-maj=9.8km s-min=8.0km az=10.0.
ISC V 11 18 01 05.0–1.0 40.05N–.03 40.72E–.03 16–7 20 0-2
ISK V 11 18 01 04.1 40.06N 40.73E 11–0 2.6L ¶611507571
DDA V 11 18 01 05.3–.00 40.04N 40.74E 7–2 2.3L
ISC Event type ke.
ISK Event type ke.
ISC V 11 18 11 54.4–1.1 40.05N–.03 40.73E–.03 19–3 23 0-2
ISK V 11 18 11 53.9 40.08N 40.75E 5–0 2.6L ¶611507574
DDA V 11 18 11 55.1–.00 40.06N 40.73E 7–1 2.5L
ISC Event type ke.
ISK Event type ke.
ISK V 11 19 50 53.6 39.11N 29.10E 12–0 1.4L
DDA V 11 19 50 56.2–.00 39.02N 28.94E 7–1 1.1L ¶611507588
ISK Event type ke.
ISC V 11 21 06 47.4–1.0 40.22N–.02 37.07E–.02 6–8 108 0-31
IDC V 11 21 06 44.9–1.3 40.26N 37.19E 0 3.4b,3.4L ¶610690082
ISK V 11 21 06 46.8 40.18N 37.03E 4–0 3.6L,3.4L
DDA V 11 21 06 47.0–.00 40.17N 37.03E 7–2 3.8W,3.4L
ISC Event type ke.
IDC Error ellipse: s-maj=21.5km s-min=11.5km az=149.0.
ISK Event type ke.
ISC V 11 21 46 37.0–.83 40.07N–.02 40.73E–.01 12–6 3.6b 141 0-76
AZER V 11 21 46 34.0–.10 40.06N 40.89E 5 3.6b ¶610690084
IDC V 11 21 46 35.3–.99 39.88N 40.57E 0 3.7,3.6b
ISK V 11 21 46 35.7 40.07N 40.72E 5–0 3.8L,3.6b
CFUSG V 11 21 46 36.3 40.12N 40.71E 9 3.2b,3.6b
DDA V 11 21 46 37.0–.00 40.06N 40.73E 16–1 3.9W,3.6b
ISC Event type ke.
AZER Error ellipse: s-maj=1.9km s-min=1.7km az=331.0.
IDC Error ellipse: s-maj=18.3km s-min=9.5km az=168.0.
ISK Event type ke.
CFUSG Eastern Turkey. Magtype MSH 3.3 from 4 stations.
ISC V 12 02 33 24.9–.81 39.56N–.01 26.02E–.02 15–5 99 0-2
ISK V 12 02 33 24.7 39.57N 26.00E 11–0 2.6L ¶611016090
ATH V 12 02 33 24.6 39.50N 26.00E 30–1 2.3L
THE V 12 02 33 25.2 39.56N 26.01E 8–1 2.3L
DDA V 12 02 33 25.8–.00 39.57N 26.07E 10–0 2.6L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.3km s-min=1.0km az=238.0. ML Amplitudes are expressed in micrometers.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.6km az=160.0.
ISC V 12 05 55 44.9–.79 37.86N–.01 27.14E–.02 11–5 3.9s,3.8b 321 0-91
ISK V 12 05 55 43.3 37.87N 27.05E 7–0 4.1L,3.8b ¶610630795
ATH V 12 05 55 43.7 37.86N 27.12E 25–1 3.8L,3.8b
IDC V 12 05 55 44.0–.86 37.64N 27.25E 0 4.0L,3.8
NEIC V 12 05 55 44.8–2.5 37.84N–.03 27.15E–.03 10–2 4.1b,3.8
DDA V 12 05 55 44.2–.00 37.87N 27.14E 7–3 4.2W,3.8
THE V 12 05 55 45.6 37.84N 27.09E 14–1 3.7L,3.8
GII V 12 05 55 48.6–.00 37.57N 27.57E 10 4.2,3.8
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.5km s-min=0.7km az=246.0. ML Amplitudes are expressed in micrometers.
IDC Error ellipse: s-maj=16.1km s-min=14.8km az=166.0.
NEIC Event type se. Error ellipse: s-maj=6.4km s-min=3.0km az=212.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.5km az=248.0.
GII Event type ke.
ISC V 12 15 53 56.9–.91 40.78N–.03 38.53E–.03 16–7 33 0-5
ISK V 12 15 53 56.5 40.73N 38.54E 6–0 3.5L ¶611507633
DDA V 12 15 53 56.6–.00 40.76N 38.52E 7–1 3.2L
ISC Event type ke.
ISK Event type ke.
ISC V 13 15 35 11.0–.98 39.76N–.02 43.60E–.02 9–9 45 0-3
ISK V 13 15 35 10.1 39.79N 43.57E 3–0 2.8L ¶610782576
DDA V 13 15 35 10.6–.00 39.71N 43.62E 16–2 2.6L
TIF V 13 15 35 12.2 39.82N 43.66E 5–1 2.6L
ISC Event type ke.
ISK Event type ke.
ISC V 13 19 41 43.4–.92 36.16N–.02 35.62E–.02 13–7 126 0-6
NIC V 13 19 41 42.7–.00 36.11N 35.62E 0–1 2.9L ¶610643065
ISK V 13 19 41 43.4 36.09N 35.60E 12–0 3.0L
GRAL V 13 19 41 43.4–.28 36.37N 35.56E 34–999 3.4
GII V 13 19 41 44.8–.00 36.11N 35.42E 10 2.6
DDA V 13 19 41 44.3–.00 36.15N 35.67E 15–1 2.6L
ISC Event type ke.
NIC Event type ke.
ISK Event type ke.
GRAL Error ellipse: s-maj=21.0km s-min=44.1km az=-1.0.
GII Event type ke.
ISC V 14 11 56 18.4–.80 39.51N–.01 26.07E–.02 13–5 88 0-2
ATH V 14 11 56 17.7 39.51N 26.07E 25–1 2.5L ¶611016143
ISK V 14 11 56 17.9 39.52N 26.04E 10–0 2.7L
DDA V 14 11 56 18.5–.00 39.52N 26.09E 11–0 2.4L
THE V 14 11 56 19.0 39.50N 26.03E 7–1 2.3L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.0km s-min=1.0km az=239.0. ML Amplitudes are expressed in micrometers.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.4km az=222.0.
ISC V 15 02 48 40.6–.95 37.51N–.02 35.66E–.02 12–9 59 0-2
ISK V 15 02 48 40.5 37.51N 35.67E 2–0 3.5L ¶611507754
DDA V 15 02 48 40.4–.00 37.52N 35.66E 23–1 3.5W
ISC Event type ke.
ISK Event type ke.
ISC V 15 10 52 32.5–.85 39.50N–.02 26.10E–.03 13–6 62 0-3
ATH V 15 10 52 31.7 39.49N 26.21E 24–2 2.5L ¶611016159
ISK V 15 10 52 32.5 39.52N 26.14E 9–0 2.8L
THE V 15 10 52 32.1 39.50N 26.12E 10–2 2.5L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.3km s-min=1.0km az=238.0. ML Amplitudes are expressed in micrometers.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=2.4km s-min=1.1km az=143.0.
DDA V 16 03 02 12.3–.00 39.92N 38.60E 7–3 1.7L
ISK V 16 03 02 11.7 39.96N 38.55E 9–0 1.8L ¶611507788
ISK Event type ke.
DDA V 16 03 04 50.5–.00 37.60N 38.47E 7–3 2.2L
ISK V 16 03 04 51.1 37.61N 38.45E 10–0 2.1L ¶611507789
ISK Event type ke.
ISC V 16 14 21 06.3–.84 39.66N–.02 26.12E–.03 14–6 62 0-2
ISK V 16 14 21 05.7 39.67N 26.10E 12–0 2.6L ¶611016192
DDA V 16 14 21 06.3–.00 39.67N 26.12E 7–2 2.3L
THE V 16 14 21 06.2 39.67N 26.10E 5–2 2.3L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=2.3km s-min=0.5km az=105.0.
ISC V 19 12 38 49.7–.94 37.80N–.02 37.56E–.02 6–8 42 0-3
DDA V 19 12 38 49.4–.00 37.77N 37.55E 5–2 2.6L ¶611507950
ISK V 19 12 38 49.4 37.81N 37.54E 5–0 2.6L
ISC Event type ke.
ISK Event type ke.
ISC V 20 06 12 44.2–.97 38.37N–.02 28.39E–.02 8–8 36 0-2
DDA V 20 06 12 43.8–.00 38.35N 28.39E 7–2 1.8L ¶611507981
ISK V 20 06 12 44.9 38.44N 28.39E 6–0 2.5L
ISC Event type ke.
ISK Event type ke.
ISC V 20 07 34 57.9–.94 38.34N–.02 28.47E–.03 12–8 50 0-2
ISK V 20 07 34 57.2 38.33N 28.48E 4–0 2.6L ¶611016278
DDA V 20 07 34 57.8–.00 38.37N 28.50E 22–1 2.3L
THE V 20 07 34 58.6 38.30N 28.61E 10–7 2.5L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=9.8km s-min=1.2km az=67.0.
ISC V 20 09 10 54.1–1.0 37.24N–.03 28.35E–.03 10 22 0-1
ISK V 20 09 10 51.9 37.24N 28.34E 2–0 2.3L ¶611507988
DDA V 20 09 10 53.5–.00 37.28N 28.34E 7–1 2.2L
ISC Event type ke.
ISK Event type ke.
ISC V 20 11 05 02.5–.49 39.80N–.02 39.50E–.01 10 3.8b,3.2s 166 0-76
ISK V 20 11 05 00.3 39.78N 39.49E 5–0 4.0L,3.2s ¶610645885
AZER V 20 11 05 00.5–.37 39.79N 39.38E 16–11 4.0L,3.2s
DDA V 20 11 05 01.1–.00 39.77N 39.48E 8–1 4.1W,3.2s
IDC V 20 11 05 03.3–.81 39.98N 39.24E 0 3.7,3.7b
ISC Event type ke.
ISK Event type ke.
AZER Error ellipse: s-maj=11.8km s-min=2.8km az=83.0.
IDC Error ellipse: s-maj=17.5km s-min=9.1km az=171.0.
ISC V 20 16 29 51.6–.89 40.87N–.03 31.91E–.02 12–7 34 0-2
DDA V 20 16 29 51.3–.00 40.87N 31.90E 7–2 2.4L ¶611508006
ISK V 20 16 29 51.2 40.89N 31.91E 5–0 2.7L
ISC Event type ke.

ISK Event type ke.
DDA V 21 09 13 35.2–.00 38.36N 27.77E 7–1 1.8L ¶617229489
ISC V 22 04 19 46.5–.84 39.56N–.01 26.10E–.02 9–6 97 0-2
ISK V 22 04 19 45.9 39.56N 26.11E 7–0 2.6L **¶611016332**
ATH V 22 04 19 46.5 39.53N 26.08E 16–1 2.4L
THE V 22 04 19 46.7 39.56N 26.10E 4–1 2.3L
DDA V 22 04 19 46.5–.00 39.56N 26.13E 6–0 2.2L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Manual Solution by N.Liadopoulou First location: 2019/10/16 09:14:53, ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.5km az=157.0.
ISC V 22 11 07 44.1–.82 39.54N–.02 26.03E–.02 14–5 68 0-2
ATH V 22 11 07 43.4–.36 39.53N 26.07E 12–5 2.2L **¶611016337**
ISK V 22 11 07 43.7 39.56N 26.02E 7–0 2.6L
DDA V 22 11 07 44.9–.00 39.58N 26.07E 7–1 2.3L
THE V 22 11 07 44.4 39.56N 26.00E 8–1 2.2L
ISC Event type ke.
ATH Event type ke. Manual Solution by N.Liadopoulou First location: 2019/10/17 05:35:42, ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 3 km; Longitude uncertainty: 4 km.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.6km az=142.0.
DDA V 23 09 35 24.0–.00 38.38N 29.04E 7–4 0.9L ¶617229490
ISC V 25 02 58 52.3–.53 38.69N–.01 38.14E–.02 10 3.7b,3.1s 122 0-94
ISK V 25 02 58 50.3 38.67N 38.14E 5–0 3.9L,3.1s **¶610655561**
DDA V 25 02 58 50.5–.00 38.70N 38.13E 11–3 3.9W,3.1s
IDC V 25 02 58 53.1–.75 38.67N 37.93E 0 3.7b,3.6
GII V 25 02 58 54.2–.00 38.67N 38.14E 5 3.7b,3.6
ISC Event type ke.
ISK Event type ke.
IDC Error ellipse: s-maj=12.3km s-min=9.0km az=159.0.
GII Event type ke.
ISK V 25 12 06 49.1 39.33N 26.09E 17–0 2.1L ¶611508241
ISK Event type ke.
ISC V 26 03 27 26.0–.84 36.87N–.02 29.05E–.02 12–6 3.5b 124 0-77
IDC V 26 03 27 24.9–1.5 36.98N 28.87E 0 3.8b,3.7 **¶610685402**
ISK V 26 03 27 24.4 36.88N 29.03E 1–0 3.7L,3.7
DDA V 26 03 27 25.6–.00 36.87N 29.01E 12–2 3.6W,3.7
THE V 26 03 27 26.2 36.87N 29.01E 2–2 3.4L,3.7
GII V 26 03 27 30.1–.00 36.44N 29.07E 10 3.6,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=43.7km s-min=18.5km az=148.0.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=2.7km s-min=1.2km az=57.0.
GII Event type ke.
ISC V 26 03 38 59.1–.92 36.88N–.02 29.04E–.02 10–7 3.8b 143 0-97
IDC V 26 03 38 57.6–1.8 37.03N 28.93E 0 3.8,3.8b **¶610654739**
ISK V 26 03 38 57.5 36.90N 29.02E 5–0 3.5L,3.8b
DDA V 26 03 38 58.7–.00 36.88N 29.04E 7–2 3.5W,3.8b
THE V 26 03 38 59.2 36.86N 29.05E 1–1 3.3L,3.8b
NIC V 26 03 38 59.9–.00 36.91N 29.09E 14–2 3.5L,3.8b
GII V 26 03 39 02.6–.00 36.52N 29.10E 10 3.5,3.8b
ISC Event type ke.
IDC Error ellipse: s-maj=48.8km s-min=20.3km az=144.0.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=2.5km s-min=1.4km az=55.0.
NIC Event type ke.
GII Event type ke.
DDA V 26 09 07 35.6–.00 38.38N 29.06E 7–6 1.0L ¶617229495
ISC V 26 16 13 12.0–.94 37.10N–.02 28.65E–.02 10–7 3.6b 142 0-40
IDC V 26 16 13 11.0–.88 37.04N 28.68E 0 4.0L,3.9 **¶610685438**
ISK V 26 16 13 10.6 37.10N 28.66E 5–0 3.6L,3.9
DDA V 26 16 13 11.9–.00 37.13N 28.65E 7–2 3.7W,3.9
THE V 26 16 13 12.8 37.09N 28.60E 0–1 3.5L,3.9
GII V 26 16 13 13.4–.00 36.89N 28.61E 16 3.6,3.9
ISC Event type ke.
IDC Error ellipse: s-maj=17.0km s-min=14.3km az=164.0.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=2.3km s-min=1.0km az=30.0.
GII Event type ke.
ISC V 27 15 53 24.5–.35 38.76N–.02 27.85E–.01 12–1 5.1b,4.5s 1656 0-152
BJI V 27 15 53 16.7–.00 38.49N 26.97E 10 5.1b,4.9b **¶610655119**
HLW V 27 15 53 19.2 38.99N 28.00E 10–32 5.0L,4.9b
MOS V 27 15 53 22.6–.97 38.78N 27.88E 9 5.2b,4.3s
IDC V 27 15 53 22.5–.39 38.77N 27.84E 0 4.9b,4.8
DDA V 27 15 53 23.4–.00 38.74N 27.82E 11–1 5.1W,4.8
ISK V 27 15 53 23.2 38.74N 27.83E 12–0 5.3L,4.8
ATH V 27 15 53 23.4 38.76N 27.83E 24–7 5.2L,4.8
PDG V 27 15 53 23.5–.93 38.75N 27.86E 14–1 5.2L,4.8
MED_R V 27 15 53 23.0–.20 38.69N 27.90E 10 5.2W,4.8
THE V 27 15 53 23.9 38.76N 27.87E 3–1 5.1L,4.8
NEIC V 27 15 53 24.7 38.80N 27.84E 10 5.1L,4.8
NEIC V 27 15 53 24.2–2.2 38.77N–.05 27.82E–.05 10–1 5.2b,5.1
GII V 27 15 53 26.5–.00 38.35N 27.85E 13 4.6b,4.5
GCMT V 27 15 53 26.2–.10 38.73N–.01 27.78E–.01 12 5.2W,4.5
CFUSG V 27 15 53 28.9 39.08N 28.99E 30 4.0b,4.5
ISC Event type ke.
MOS Error ellipse: s-maj=3.2km s-min=2.0km az=107.8.
IDC Error ellipse: s-maj=8.9km s-min=8.2km az=160.0.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=7.2km s-min=1.6km az=73.0. ML Amplitudes are expressed in micrometers.
PDG Event type ke. Error ellipse: s-maj=0.8km s-min=1.2km az=0.0.
MED_R Error ellipse: s-maj=2.2km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=40s. Moment Tensor Solution. Body waves: s3,c3; Mantle waves: s23,c32;Duration: 1ş3 Moment tensor: Scale 10^{16}Nm; M_{rr}-7.33±.12 $M_{\theta\theta}$4.47±.12; $M_{\phi\phi}$2.85±.12; $M_{r\theta}$-0.92±.57; $M_{\theta\phi}$-3.64±.10; $M_{\phi r}$0.66±.55; Best double couple: NP1:ϕ_s128.00000°,δ49.00000°,λ-91.00000°. NP2:ϕ_s309.00000°,δ41.00000°,λ-89.00000°. Principal axes: T 7.4800,Plg4.0000°,Azm219.0000°; N -0.0700,Plg0.0000°,Azm129.0000° ; P -7.4200,Plg86.0000°,Azm33.0000° $M_0$7.45000×10^{16}
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.5km az=65.0.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=6.1km az=209.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-4.40 $M_{\theta\theta}$3.07 $M_{\phi\phi}$1.33 $M_{r\theta}$1.81 $M_{\theta\phi}$-1.84 $M_{\phi r}$-1.04 NP1:ϕ_s123.36000°,δ32.14000°,λ-88.25000°. NP2:ϕ_s301.29000°,δ57.87000° ,λ-91.10000°. Principal axes: T 4.7094,Plg13.0000°,Azm32.0000°; N 0.1628,Plg1.0000° ,Azm302.0000°; P -4.8722,Plg77.0000°,Azm208.0000° $M_0$4.79000×10^{16}
GII Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s91,c147; s139,c260;Duration: 1ş0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.77±.01 $M_{\theta\theta}$0.51±.01; $M_{\phi\phi}$0.26±.01; $M_{r\theta}$-0.02±.03; $M_{\theta\phi}$-0.33±.01; $M_{\phi r}$0.03±.03; Best double couple: NP1:ϕ_s125.00000°,δ46.00000°,λ-89.00000°. NP2:ϕ_s304.00000°,δ44.00000°,λ-91.00000°. Principal axes: T 0.7390,Plg1.0000° ,Azm215.0000°; N 0.0330,Plg1.0000°,Azm305.0000°; P -0.7720,Plg89.0000°,Azm72.0000° $M_0$0.75500×10^{17}
CFUSG Western Turkey. Magtype MSH 4.5 from 6 stations.
ISK V 27 16 22 39.1 38.71N 27.86E 6–0 3.2L
DDA V 27 16 22 38.9–.00 38.75N 27.83E 7–2 3.0L **¶610685505**
ISK Event type ke.
ISC V 27 16 22 57.8–.94 38.77N–.03 27.84E–.03 9–7 24 0-40
DDA V 27 16 22 57.8–.00 38.76N 27.80E 5–1 3.4L **¶612623720**
THE V 27 16 22 59.6 38.84N 27.99E 31–46 3.4L
IDC V 27 16 23 02.5–2.2 39.35N 28.42E 0 3.4b,3.3
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=46.2km s-min=1.5km az=110.0.
IDC Error ellipse: s-maj=115.1km s-min=26.3km az=154.0.
DDA V 27 16 46 01.5–.00 38.77N 27.84E 7–7 2.1L ¶612623722
DDA V 27 16 46 24.5–.00 38.75N 27.84E 7–15 2.2L
THE V 27 16 46 22.7 38.69N 27.94E 23–7 2.4L **¶617229496**
THE Event type ke. Error ellipse: s-maj=8.1km s-min=1.1km az=71.0.
ISK V 27 16 46 59.8 38.71N 27.85E 6–0 2.2L ¶612623724
ISK Event type ke.
DDA V 27 19 50 04.2–.00 40.13N 27.94E 7–7 1.4L ¶617229497
ISK V 27 19 50 18.5 40.82N 28.71E 15–1 1.4L ¶611508389
ISK Event type ke.
ISC V 28 02 14 59.8–.81 38.73N–.02 27.81E–.01 9–5 4.0b,3.4s 474 0-117
ATH V 28 02 14 57.9 38.75N 27.84E 23–2 4.1L,3.4s **¶610655173**
IDC V 28 02 14 58.5–.57 38.71N 27.87E 0 3.9,3.9b
ISK V 28 02 14 58.8 38.73N 27.80E 10–0 4.3L,3.9b
MED_R V 28 02 14 59.0–.50 38.72N 27.80E 10 4.4W,3.9b
DDA V 28 02 14 59.0–.00 38.73N 27.80E 9–1 4.4W,3.9b
MOS V 28 02 14 59.4–.89 38.79N 27.87E 13 4.4b,3.9b
THE V 28 02 15 00.3 38.74N 27.87E 10–4 4.3L,3.9b
NEIC V 28 02 15 00.6–1.2 38.75N–.04 27.83E–.04 10–2 4.0b,3.9b
GII V 28 02 15 02.5–.00 38.17N 27.83E 10 4.0b,3.9b
CFUSG V 28 02 15 03.4 39.14N 28.05E 10 3.2b,3.9b
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.8km s-min=1.2km az=164.0. ML Amplitudes are expressed in micrometers.
IDC Error ellipse: s-maj=12.1km s-min=10.5km az=117.0.
ISK Event type ke.
MED_R Error ellipse: s-maj=4.4km s-min=3.3km az=-1.0. nsta1 refers to body waves. nsta2 refers to surface waves, cutoff=35s. Moment Tensor Solution. Mantle waves: s15,c20;Duration: 1ş0 Moment tensor: Scale 10^{15}Nm; M_{rr}-5.05±.19 $M_{\theta\theta}$3.15±.21; $M_{\phi\phi}$1.91±.16; $M_{r\theta}$0.25±.91; $M_{\theta\phi}$-2.27±.15; $M_{\phi r}$1.07±.61; Best double couple: NP1:ϕ_s138.00000°,δ49.00000°,λ-76.00000°. NP2:ϕ_s297.00000°,δ43.00000°,λ-105.00000°. Principal axes: T 4.9000,Plg3.0000° ,Azm218.0000°; N 0.3600,Plg10.0000°,Azm308.0000°; P -5.2600,Plg79.0000° ,Azm114.0000° $M_0$5.08000×10^{15}
MOS Error ellipse: s-maj=4.9km s-min=3.4km az=102.3.
THE Event type ke. Error ellipse: s-maj=4.9km s-min=0.9km az=75.0.
NEIC Event type se. Error ellipse: s-maj=8.5km s-min=4.0km az=214.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GII Event type ke.
CFUSG Western Turkey. Magtype MSH 3.8 from 5 stations.
ISC V 28 02 16 41.5–.81 38.74N–.02 27.85E–.01 8–5 3.6b 145 0-64
ATH V 28 02 16 39.3 38.76N 27.91E 17–1 3.9L **¶610685529**
IDC V 28 02 16 40.2–1.0 38.60N 27.93E 0 3.7,3.6b
DDA V 28 02 16 41.5–.00 38.75N 27.85E 7–2 4.0W,3.6b
ISK V 28 02 16 41.1 38.75N 27.85E 8–0 4.0L,3.6b
THE V 28 02 16 43.5 38.79N 27.97E 24–7 4.0L,3.6b
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.0km s-min=1.7km az=246.0. ML Amplitudes are expressed in micrometers.
IDC Error ellipse: s-maj=28.2km s-min=16.2km az=153.0.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=7.4km s-min=1.0km az=82.0.
ISC V 28 02 26 03.2–.88 38.74N–.02 27.82E–.02 9–6 90 0-40
IDC V 28 02 26 01.4–1.4 38.22N 28.08E 0 3.3,3.3b **¶610685530**
DDA V 28 02 26 03.1–.00 38.75N 27.84E 4–1 3.4W,3.3b
THE V 28 02 26 03.1 38.78N 27.87E 1–2 3.3L,3.3b
ISK V 28 02 26 03.1 38.74N 27.82E 6–0 3.4L,3.3b
ISC Event type ke.
IDC Error ellipse: s-maj=31.1km s-min=21.8km az=141.0.
THE Event type ke. Error ellipse: s-maj=2.5km s-min=1.1km az=48.0.
ISK Event type ke.
ISC V 28 02 42 08.7–.82 38.72N–.02 27.81E–.01 10–5 127 0-40
IDC V 28 02 42 06.1–2.0 38.38N 27.67E 0 3.2b,3.1 **¶610685531**
ISK V 28 02 42 08.8 38.71N 27.79E 7–0 3.4L,3.1
THE V 28 02 42 08.7 38.73N 27.86E 0–1 3.3L,3.1
DDA V 28 02 42 08.7–.00 38.71N 27.81E 11–1 3.4L,3.1
ISC Event type ke.
IDC Error ellipse: s-maj=97.7km s-min=19.8km az=155.0.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.8km az=36.0.
ISC V 28 02 50 26.8–.53 38.75N–.01 27.80E–.01 13–3 4.6b 704 0-101
BGR V 28 02 50 22.6 38.34N 28.70E 33 4.1b **¶611833996**
MOS V 28 02 50 25.6–1.2 38.79N 27.87E 11 4.7b
DDA V 28 02 50 25.7–.00 38.72N 27.79E 4–1 4.6W
ISK V 28 02 50 25.6 38.72N 27.79E 9–0 4.7L
IDC V 28 02 50 25.2–.49 38.78N 27.87E 0 4.1b,4.0
THE V 28 02 50 26.8 38.75N 27.85E 7–3 4.4L,4.0
MED_R V 28 02 50 26.0–.40 38.77N 27.80E 10 4.7W,4.0
NEIC V 28 02 50 27.3–1.4 38.77N–.05 27.79E–.06 10–1 4.6b,4.0
CFUSG V 28 02 50 30.2 39.28N 28.08E 3 3.3b,4.0
GII V 28 02 50 31.1–.00 38.30N 27.82E 30 4.5,4.0
ISC Event type ke.
BGR Event type ke.
MOS Error ellipse: s-maj=4.3km s-min=2.8km az=108.3.
ISK Event type ke.
IDC Error ellipse: s-maj=10.9km s-min=8.9km az=158.0.
THE Event type ke. Error ellipse: s-maj=3.9km s-min=0.7km az=82.0.
MED_R Error ellipse: s-maj=4.4km s-min=4.4km az=-1.0. nsta1 refers to body waves. nsta2 refers to surface waves, cutoff=35s. Moment Tensor Solution. Mantle waves: s18,c22;Duration: 1ş0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.01±.05 $M_{\theta\theta}$0.72±.06; $M_{\phi\phi}$0.29±.05; $M_{r\theta}$0.82±.24; $M_{\theta\phi}$-0.42±.04; $M_{\phi r}$-0.30±.21; Best double couple: NP1:ϕ_s294.00000°,δ66.00000°,λ-96.00000°. NP2:ϕ_s128.00000°,δ25.00000°,λ-78.00000°. Principal axes: T 1.3000,Plg21.0000° ,Azm29.0000°; N 0.0500,Plg5.0000°,Azm297.0000°; P -1.3500,Plg69.0000°,Azm193.0000° $M_0$1.32000×10^{16}
NEIC Event type se. Error ellipse: s-maj=8.8km s-min=7.9km az=213.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
CFUSG Western Turkey. Magtype MSH 3.4 from 5 stations.
GII Event type ke.
ISC V 28 02 52 56.0–.45 38.75N–.01 27.80E–.01 13–2 4.8b,4.2s 811 0-159
IDC V 28 02 52 54.2–.46 38.80N 27.81E 0 4.3,4.3b **¶610655177**
THE V 28 02 52 55.9 38.75N 27.87E 4–5 4.7L,4.3b
DDA V 28 02 52 55.2–.00 38.71N 27.80E 7–2 4.8W,4.3b
ISK V 28 02 52 55.5 38.74N 27.79E 11–0 4.7L,4.3b
MOS V 28 02 52 55.0–1.4 38.81N 27.88E 11 5.0b,4.1s
NEIC V 28 02 52 56.5–1.2 38.78N–.05 27.80E–.05 10–1 4.9b,4.8
NEIC V 28 02 52 56.4 38.78N 27.80E 10 4.9b,4.8
CFUSG V 28 02 52 56.8 38.97N 28.27E 0 3.4b,4.8
MED_R V 28 02 52 56.0–.20 38.70N 27.86E 10 4.8W,4.8
BGR V 28 02 52 57.3 38.50N 28.50E 33 4.3b,4.8
GCMT V 28 02 52 57.4–.20 38.74N–.02 27.68E–.03 12–1 4.8W,4.8
GII V 28 02 52 57.9–.00 38.38N 27.84E 10 4.6,4.8
ISC Event type ke.
IDC Error ellipse: s-maj=11.6km s-min=9.1km az=160.0.
THE Event type ke. Error ellipse: s-maj=5.9km s-min=1.0km az=68.0.
ISK Event type ke.
MOS Error ellipse: s-maj=4.3km s-min=3.4km az=104.6.
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=5.1km az=208.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-1.80 $M_{\theta\theta}$1.24 $M_{\phi\phi}$0.56 $M_{r\theta}$0.46 $M_{\theta\phi}$-0.69 $M_{\phi r}$-1.20 NP1:ϕ_s108.07000°,δ31.40000°,λ-118.94000°. NP2:ϕ_s321.01000°,δ62.88000° ,λ-73.54000°. Principal axes: T 1.9708,Plg16.0000°,Azm39.0000°; N 0.3366,Plg15.0000° ,Azm133.0000°; P -2.3075,Plg68.0000°,Azm263.0000° $M_0$2.16000×10^{16}
NEIC Event type se.

CFUSG Western Turkey. Magtype MSH 3.8 from 5 stations.
MED_R Error ellipse: s-maj=3.3km s-min=1.1km az=-1.0. nsta1 refers to body waves. nsta2 refers to surface waves, cutoff=35s. Moment Tensor Solution. Mantle waves: s23,c32;Duration: 1^{s}0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.22±.05 $M_{\theta\theta}$1.53±.05; $M_{\phi\phi}$0.69±.05; $M_{r\theta}$-0.44±.20; $M_{\theta\phi}$-0.96±.04; $M_{\phi r}$0.64±.23; Best double couple: NP1:ϕ_s130.00000°,δ55.00000°,λ-82.00000°. NP2:ϕ_s297.00000°,δ36.00000°,λ-101.00000°. Principal axes: T 2.2800,Plg9.0000° ,Azm214.0000°; N 0.1000,Plg7.0000°,Azm306.0000°; P -2.3700,Plg79.0000°,Azm71.0000° $M_0$2.32000×10^{16}
BGR Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s23,c25; s107,c164;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.26±.13 $M_{\theta\theta}$1.60±.09; $M_{\phi\phi}$0.65±.08; $M_{r\theta}$-0.42±.23; $M_{\theta\phi}$-0.87±.05; $M_{\phi r}$0.81±.25; Best double couple: NP1:ϕ_s131.00000°,δ56.00000°,λ-78.00000°. NP2:ϕ_s291.00000°,δ36.00000°,λ-107.00000°. Principal axes: T 2.2520,Plg10.0000° ,Azm213.0000°; N 0.2190,Plg10.0000°,Azm305.0000°; P -2.4770,Plg76.0000°,Azm78.0000° $M_0$2.36400×10^{16}
GII Event type ke.
ISC V 28 03 01 59.9–1.1 38.66N–.02 27.84E–.02 2–9 3.2b 109 0-40
IDC V 28 03 01 59.6–1.1 38.34N 28.01E 0 3.2,3.2b **¶610685532**
DDA V 28 03 02 00.3–.00 38.69N 27.79E 7–2 3.9W,3.2b
ISK V 28 03 02 00.4 38.69N 27.79E 7–0 3.8L,3.2b
THE V 28 03 02 00.1 38.75N 27.84E 0–1 3.6L,3.2b
ISC Event type ke.
IDC Error ellipse: s-maj=20.7km s-min=14.0km az=122.0.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.8km az=41.0.
ISC V 28 03 03 11.7–.88 38.73N–.03 27.86E–.02 9–6 35 0-2
DDA V 28 03 03 11.6–.00 38.73N 27.83E 7–2 3.2L **¶611016512**
ISK V 28 03 03 11.3 38.73N 27.84E 10–0 3.4L
THE V 28 03 03 14.2 38.69N 27.96E 13–9 3.1L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=10.1km s-min=1.2km az=73.0.
ISC V 28 04 38 19.9–.56 38.75N–.01 27.82E–.01 12–3 4.2b,3.5s 484 0-94
IDC V 28 04 38 18.6–.60 38.74N 27.88E 0 4.0,4.0b **¶610655182**
MOS V 28 04 38 19.0–1.0 38.79N 27.90E 13 4.4b,4.0b
DDA V 28 04 38 19.7–.00 38.74N 27.81E 10–1 4.5W,4.0b
ISK V 28 04 38 19.5 38.74N 27.79E 11–0 4.5L,4.0b
THE V 28 04 38 19.8 38.75N 27.87E 0–1 4.5L,4.0b
NEIC V 28 04 38 20.9–1.4 38.75N–.04 27.84E–.05 10–1 4.2b,4.0b
ATH V 28 04 38 20.6 38.78N 27.84E 12–2 4.4L,4.0b
MED_R V 28 04 38 20.0–.40 38.91N 27.80E 10 4.6W,4.0b
GII V 28 04 38 21.2–.00 38.53N 27.78E 11 4.3,4.0b
CFUSG V 28 04 38 27.5 39.37N 27.98E 9 3.2b,4.0b
ISC Event type ke.
IDC Error ellipse: s-maj=12.5km s-min=11.1km az=114.0.
MOS Error ellipse: s-maj=5.4km s-min=3.4km az=92.1.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.9km az=61.0.
NEIC Event type se. Error ellipse: s-maj=6.5km s-min=6.0km az=148.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ATH Event type ke. Manual Solution by N.Liadopoulou First location: 2019/10/15 04:27:53, ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
MED_R Error ellipse: s-maj=4.4km s-min=3.3km az=-1.0. nsta1 refers to body waves. nsta2 refers to surface waves, cutoff=35s. Moment Tensor Solution. Mantle waves: s11,c12;Duration: 1^{s}0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.52±.05 $M_{\theta\theta}$0.46±.04; $M_{\phi\phi}$0.07±.06; $M_{r\theta}$0.66±.14; $M_{\theta\phi}$-0.41±.03; $M_{\phi r}$-0.24±.17; Best double couple: NP1:ϕ_s291.00000°,δ70.00000° ,λ-100.00000°. NP2:ϕ_s139.00000°,δ23.00000°,λ-64.00000°. Principal axes: T 1.0200,Plg24.0000°,Azm29.0000°; N -0.1700,Plg10.0000°,Azm295.0000° ; P -0.8500,Plg64.0000°,Azm185.0000° $M_0$0.94000×10^{16}
GII Event type ke.
CFUSG Western Turkey. Magtype MSH 3.5 from 4 stations.
ISC V 28 07 18 49.2–1.1 38.73N–.04 27.94E–.04 13–8 22 0-2
DDA V 28 07 18 50.3–.00 38.71N 27.84E 7–2 2.6L **¶612623791**
THE V 28 07 18 52.7 38.76N 28.00E 34–18 2.8L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=18.5km s-min=1.1km az=71.0.
ISC V 28 07 34 01.9–.72 38.73N–.02 27.77E–.01 3–4 3.9b 330 0-69
ISK V 28 07 34 00.8 38.73N 27.77E 7–0 4.3L **¶610655777**
DDA V 28 07 34 01.3–.00 38.73N 27.77E 3–2 4.1W
IDC V 28 07 34 01.3–.80 38.69N 27.78E 0 3.8b,3.7
ATH V 28 07 34 01.6 38.77N 27.82E 15–3 4.0L,3.7
MOS V 28 07 34 01.6–1.1 38.75N 27.80E 12 4.3b,3.7
NEIC V 28 07 34 03.2–2.1 38.71N–.05 27.84E–.03 10–2 4.1b,3.7
THE V 28 07 34 04.0 38.73N 27.87E 31–7 4.2L,3.7
CFUSG V 28 07 34 05.6 38.90N 28.02E 10 3.0b,3.7
ISC Event type ke.
ISK Event type ke.
IDC Error ellipse: s-maj=14.0km s-min=11.7km az=120.0.
ATH Event type ke. Manual Solution by N.Liadopoulou First location: 2019/10/15 05:42:22, ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
MOS Error ellipse: s-maj=6.1km s-min=3.9km az=91.9.
NEIC Event type se. Error ellipse: s-maj=7.8km s-min=4.3km az=185.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
THE Event type ke. Error ellipse: s-maj=7.1km s-min=0.7km az=67.0.
CFUSG Western Turkey. Magtype MSH 3.6 from 4 stations.
ISC V 28 08 06 24.3–.84 38.75N–.02 27.84E–.02 8–6 85 0-9
ATH V 28 08 06 20.2 38.77N 28.14E 14–4 3.8L **¶611016528**
ISK V 28 08 06 23.9 38.76N 27.85E 8–0 3.7L
THE V 28 08 06 24.6 38.76N 27.85E 2–2 3.6L
DDA V 28 08 06 24.2–.00 38.74N 27.84E 4–0 3.5W
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=18.7km s-min=3.7km az=266.0. ML Amplitudes are expressed in micrometers.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=2.9km s-min=0.8km az=48.0.
ISC V 28 08 07 04.5–1.0 38.78N–.05 27.90E–.04 8–8 15 0-1
DDA V 28 08 07 04.5–.00 38.83N 27.90E 7–1 2.7L **¶611508471**
ISK V 28 08 07 04.2 38.79N 27.92E 3–0 2.9L
ISC Event type ke.
ISK Event type ke.
ISC V 28 08 49 48.2–.84 38.76N–.01 27.81E–.01 6–5 4.0b,3.8s 297 0-119
ATH V 28 08 49 46.1 38.75N 27.88E 20–2 4.1L,3.8s **¶610655191**
MOS V 28 08 49 47.1–1.1 38.79N 27.84E 9 4.3b,3.8s
ISK V 28 08 49 47.6 38.76N 27.80E 8–0 4.2L,3.8s
IDC V 28 08 49 47.5–.82 38.78N 27.92E 0 3.9s,3.7
DDA V 28 08 49 47.6–.00 38.75N 27.80E 12–1 4.1W,3.7
NEIC V 28 08 49 48.7–1.1 38.74N–.04 27.81E–.04 10–2 4.2b,3.7
THE V 28 08 49 48.5 38.77N 27.86E 6–2 4.0L,3.7
MED_R V 28 08 49 48.0–.70 38.76N 27.80E 10 4.4W,3.7
SOF V 28 08 49 57.6 39.45N 27.42E 8 4.1,3.7
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.9km s-min=1.9km az=247.0. ML Amplitudes are expressed in micrometers.
MOS Error ellipse: s-maj=6.7km s-min=4.2km az=92.1.
ISK Event type ke.
IDC Error ellipse: s-maj=14.9km s-min=12.4km az=98.0.
NEIC Event type se. Error ellipse: s-maj=7.0km s-min=5.5km az=198.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
THE Event type ke. Error ellipse: s-maj=2.7km s-min=0.8km az=70.0.
MED_R nsta1 refers to body waves. nsta2 refers to surface waves, cutoff=35s. Moment Tensor Solution. Mantle waves: s6,c7;Duration: 1^{s}0 Moment tensor: Scale 10^{15}Nm; M_{rr}-2.98±.45 $M_{\theta\theta}$3.77±.42; $M_{\phi\phi}$-0.79±.60; $M_{r\theta}$2.47±1.00; $M_{\theta\phi}$-1.73±.36; $M_{\phi r}$1.73±1.33; Best double couple: NP1:ϕ_s258.00000°,δ66.00000°,λ-124.00000°. NP2:ϕ_s138.00000°,δ41.00000°,λ-38.00000°. Principal axes: T 4.8200,Plg15.0000°,Azm13.0000°; N 0.1400,Plg31.0000°,Azm274.0000° ; P -4.9600,Plg55.0000°,Azm124.0000° $M_0$4.89000×10^{15}
ISC V 28 09 48 34.3–.87 37.18N–.02 28.59E–.02 13–7 51 0-4
ATH V 28 09 48 32.5 37.25N 28.55E 14–3 2.6L **¶611016533**
ISK V 28 09 48 33.6 37.17N 28.61E 5–0 2.9L
DDA V 28 09 48 34.3–.00 37.21N 28.60E 7–1 2.3L
THE V 28 09 48 34.9 37.16N 28.57E 8–1 2.6L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.6km s-min=1.5km az=185.0. ML Amplitudes are expressed in micrometers.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=2.1km s-min=1.1km az=263.0.
ISC V 28 11 04 59.9–.51 38.75N–.01 27.81E–.01 10–3 5.0b,4.4s 1267 0-164
HLW V 28 11 04 57.9 38.73N 27.82E 10–21 4.8L,4.4s **¶610655195**
DDA V 28 11 04 58.9–.00 38.72N 27.79E 11–1 4.8W,4.4s
IDC V 28 11 04 58.0–.47 38.77N 27.86E 0 4.4,4.4b
ISK V 28 11 04 58.5 38.74N 27.79E 9–0 4.9L,4.4b
MOS V 28 11 04 58.8–1.0 38.82N 27.85E 11 5.1b,4.3s
PDG V 28 11 04 59.1–.64 38.75N 27.78E 12–1 5.0L,4.3s
BJI V 28 11 04 59.0–.00 38.70N 27.80E 10 5.0b,4.8b
NEIC V 28 11 04 59.4–1.6 38.76N–.05 27.78E–.05 3–4 5.1b,4.9
THE V 28 11 04 59.2 38.75N 27.84E 0–0 4.8L,4.9
MED_R V 28 11 04 59.0–.30 38.70N 27.86E 10 5.0W,4.9
ATH V 28 11 04 59.1 38.71N 27.78E 30–4 4.6L,4.9
NEIC V 28 11 04 59.1 38.77N 27.78E 1 4.6L,4.9
GCMT V 28 11 05 01.4–.20 38.79N–.01 27.76E–.02 12 5.0W,4.9
GII V 28 11 05 02.3–.00 38.32N 27.89E 9 4.7b,4.7
CFUSG V 28 11 05 07.8 39.26N 27.98E 25 3.6b,4.7
BGR V 28 11 05 16.3 39.62N 26.95E 33 4.2b,3.8s
ISC Event type ke.
IDC Error ellipse: s-maj=10.0km s-min=9.2km az=164.0.
ISK Event type ke.
MOS Error ellipse: s-maj=3.4km s-min=2.4km az=105.7.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=0.7km az=0.0.
NEIC Event type se. Error ellipse: s-maj=7.3km s-min=5.3km az=210.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-2.52 $M_{\theta\theta}$1.50 $M_{\phi\phi}$1.02 $M_{r\theta}$0.13 $M_{\theta\phi}$-0.77 $M_{\phi r}$-0.87 NP1:ϕ_s318.63000°,δ53.79000°,λ-76.86000°. NP2:ϕ_s117.06000°,δ38.21000° ,λ-107.25000°. Principal axes: T 2.1556,Plg8.0000°,Azm39.0000°; N 0.5691,Plg11.0000° ,Azm131.0000°; P -2.7247,Plg77.0000°,Azm273.0000° $M_0$2.49000×10^{16}
THE Event type ke. Error ellipse: s-maj=0.9km s-min=0.5km az=59.0.
MED_R Error ellipse: s-maj=3.3km s-min=2.2km az=-1.0. nsta1 refers to body waves. nsta2 refers to surface waves, cutoff=35s. Moment Tensor Solution. Mantle waves: s19,c28;Duration: 1^{s}3 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.38±.08 $M_{\theta\theta}$2.09±.09; $M_{\phi\phi}$1.29±.08; $M_{r\theta}$-0.79±.39; $M_{\theta\phi}$-1.38±.06; $M_{\phi r}$-0.11±.34; Best double couple: NP1:ϕ_s118.00000°,δ51.00000° ,λ-101.00000°. NP2:ϕ_s315.00000°,δ41.00000°,λ-77.00000°. Principal axes: T 3.1800,Plg5.0000°,Azm216.0000°; N 0.3400,Plg8.0000°,Azm125.0000° ; P -3.5100,Plg80.0000°,Azm337.0000° $M_0$3.34000×10^{16}
ATH Event type ke. Error ellipse: s-maj=4.2km s-min=1.0km az=104.0. ML Amplitudes are expressed in micrometers.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s43,c55; s127,c191;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.88±.07 $M_{\theta\theta}$2.71±.08; $M_{\phi\phi}$1.17±.07; $M_{r\theta}$0.96±.26; $M_{\theta\phi}$-1.53±.06; $M_{\phi r}$0.41±.29; Best double couple: NP1:ϕ_s290.00000°,δ51.00000°,λ-104.00000°. NP2:ϕ_s132.00000°,δ41.00000°,λ-73.00000°. Principal axes: T 3.7020,Plg5.0000° ,Azm30.0000°; N 0.3920,Plg11.0000°,Azm300.0000°; P -4.0940,Plg78.0000°,Azm143.0000° $M_0$3.89800×10^{16}
GII Event type ke.
CFUSG Western Turkey. Magtype MSH 4.5 from 5 stations.
BGR Event type ke.
ISC V 28 11 16 34.5–.89 38.72N–.02 27.84E–.02 18–2 99 0-8
ATH V 28 11 16 32.5 38.74N 27.87E 18–1 3.4L **¶611016541**
ISK V 28 11 16 33.6 38.74N 27.78E 9–0 3.6L
DDA V 28 11 16 34.3–.00 38.70N 27.78E 7–3 3.2L
THE V 28 11 16 36.4 38.71N 27.90E 45–5 3.6L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.4km s-min=1.7km az=220.0. ML Amplitudes are expressed in micrometers.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=6.0km s-min=0.6km az=84.0.
ISC V 29 05 09 18.8–.00 37.12N–.02 28.67E–.02 6–8 71 0-34
IDC V 29 05 09 17.7–1.8 37.24N 28.52E 0 3.6,3.6b **¶610685588**
ISK V 29 05 09 18.7 37.11N 28.67E 5–0 3.1L,3.6b
DDA V 29 05 09 18.8–.00 37.12N 28.68E 8–2 2.9L,3.6b
THE V 29 05 09 21.1 37.05N 28.51E 0–2 2.9L,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=52.4km s-min=22.4km az=141.0.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=3.1km s-min=1.3km az=45.0.
DDA V 29 09 27 20.6–.00 37.19N 28.66E 7–3 1.3L
¶617229500
ISC V 29 09 38 58.8–.81 39.30N–.02 26.11E–.02 11–5 68 0-2
ATH V 29 09 38 58.7 39.30N 26.12E 12–4 2.8L **¶611016576**
ISK V 29 09 38 58.2 39.30N 26.10E 12–0 2.7L
THE V 29 09 38 59.1 39.29N 26.11E 9–0 2.8L
DDA V 29 09 38 59.2–.00 39.32N 26.14E 7–1 2.5L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=4.4km s-min=1.2km az=122.0. ML Amplitudes are expressed in micrometers.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.4km az=165.0.
DDA V 29 10 07 42.1–.00 38.42N 29.08E 7–5 1.0L
¶617229501
ISK V 29 10 07 46.3 37.26N 27.87E 25–0 1.8L
¶611508639
ISK Event type ke.
ISC V 29 14 28 18.4–.90 38.76N–.02 27.79E–.02 7–6 48 0-3
ISK V 29 14 28 17.9 38.78N 27.78E 6–0 2.5L **¶611016579**
DDA V 29 14 28 18.5–.00 38.76N 27.81E 5–2 2.3L
THE V 29 14 28 19.4 38.74N 27.85E 11–8 2.6L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=9.4km s-min=1.2km az=70.0.
ISK V 29 14 45 16.4 38.78N 27.79E 10–1 2.5L
DDA V 29 14 45 16.8–.00 38.77N 27.79E 7–3 1.8L **¶611508649**
ISK Event type ke.
DDA V 29 14 47 03.0–.00 38.75N 27.79E 7–3 1.7L
¶612624148
DDA V 29 14 48 59.1–.00 38.75N 27.79E 7–2 1.5L
¶612624149
ISK V 29 19 24 33.7 38.76N 27.81E 4–0 1.6L
¶617229502
ISK Event type ke.
DDA V 29 19 25 23.5–.00 39.08N 29.05E 7–2 1.2L
¶611508662
ISC V 29 22 28 48.5–.83 38.74N–.02 27.80E–.02 8–5 3.5b 176 0-40
IDC V 29 22 28 47.9–1.8 38.83N 27.84E 0 3.7b,3.5 **¶610685672**
ISK V 29 22 28 47.7 38.74N 27.78E 9–0 3.8L,3.5
BEO V 29 22 28 48.0–.70 39.12N 28.45E 7–7 3.6L,3.5
DDA V 29 22 28 48.1–.00 38.73N 27.79E 10–1 3.7W,3.5
THE V 29 22 28 48.3 38.75N 27.81E 0–0 3.8L,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=49.3km s-min=21.0km az=157.0.
ISK Event type ke.
BEO Event type ke.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.6km az=44.0.
DDA V 30 17 41 01.0–.00 38.74N 27.78E 13–1 1.3L
¶611508759
DDA V 31 06 43 56.6–.00 38.36N 42.69E 7–3 1.5L
¶614569517
ISC V 31 13 49 09.0–1.0 39.61N–.02 38.17E–.02 12–10 84 0-3

ISK V 31 13 49 08.1 39.65N 38.14E 8–0 3.5L ¶611508818
DDA V 31 13 49 08.4–.00 39.57N 38.13E 24–0 3.3L
ISC Event type ke.
ISK Event type ke.
ISC VI 01 07 39 11.8–1.0 38.76N–.03 27.80E–.02 10–7 38 0-2
DDA VI 01 07 39 11.9–.00 38.75N 27.76E 5–1 2.6L ¶611016652
THE VI 01 07 39 12.4 38.82N 27.89E 16–8 2.7L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=9.8km s-min=1.2km az=67.0.
ISC VI 01 07 47 31.3–1.1 38.37N–.02 27.78E–.02 8–9 122 0-3
DDA VI 01 07 47 31.9–.00 38.38N 27.79E 12–4 3.6W ¶611016653
ISK VI 01 07 47 31.3 38.37N 27.77E 10–0 3.6L
THE VI 01 07 47 33.1 38.37N 27.84E 16–4 3.2L
ATH VI 01 07 47 35.9 38.37N 27.42E 13–4 3.3L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=4.2km s-min=1.1km az=70.0.
ATH Event type ke. Manual Solution by G.Panopoulou ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 2 km.
ISC VI 01 10 23 49.3–1.9 38.60N–.04 27.62E–.03 7–14 23 1-2
THE VI 01 10 23 49.3 38.63N 27.67E 1–2 2.9L ¶611016656
DDA VI 01 10 23 55.8–.00 38.36N 27.72E 7–5 3.0L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=2.6km s-min=1.1km az=49.0.
DDA VI 01 10 24 03.8–.00 38.65N 27.63E 8–7 3.1W
¶617196375
ISK VI 01 20 21 09.9 39.58N 26.15E 3–0 1.7L
DDA VI 01 20 21 10.5–.00 39.60N 26.13E 5–4 1.6L ¶611508889
ISK Event type ke.
DDA VI 02 11 02 39.7–.00 40.96N 31.40E 6–0 1.3L
¶617481115
ISK VI 02 11 03 02.5 40.41N 30.88E 5–0 1.8L
¶611508927
ISK Event type ke.
ISC VI 02 12 53 34.5–.93 38.27N–.04 42.90E–.05 12–7 21 0-1
ISK VI 02 12 53 33.9 38.22N 42.89E 8–1 2.5L ¶611508931
DDA VI 02 12 53 34.7–.00 38.31N 42.90E 11–1 2.1L
ISC Event type ke.
ISK Event type ke.
ISC VI 03 01 41 49.1–.80 36.78N–.02 31.70E–.02 80–6 3.5b 135 0-38
IDC VI 03 01 41 49.7–1.6 36.83N 31.75E 80–19 3.6s,3.5 ¶610664142
ISK VI 03 01 41 49.1 36.88N 31.64E 19–0 2.6L,3.5
DDA VI 03 01 41 49.2–.00 36.80N 31.70E 72–0 2.6L,3.5
NIC VI 03 01 41 50.4–.00 36.72N 31.80E 32–73 3.4L,3.5
THE VI 03 01 41 52.1 36.85N 31.59E 22–35 3.0L,3.5
GII VI 03 01 41 52.9–.00 36.18N 31.80E 1 2.5,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=23.9km s-min=12.6km az=111.0.
ISK Event type ke.
NIC Event type ke.
THE Event type ke. Error ellipse: s-maj=43.2km s-min=4.2km az=97.0.
GII Event type ke.
ISK VI 03 17 39 09.8 38.78N 27.77E 16–0 1.9L
DDA VI 03 17 39 11.6–.00 38.75N 27.78E 7–2 1.8L ¶611508991
ISK Event type ke.
ISK VI 04 22 53 11.9 40.21N 28.39E 13–1 1.6L
¶617481121
ISK Event type ke.
DDA VI 04 22 53 57.6–.00 38.76N 27.77E 7–1 1.4L
¶612624470
ISC VI 05 01 59 27.6–.94 38.90N–.04 43.54E–.03 13 18 0-2
ISK VI 05 01 59 26.9 38.87N 43.55E 11–0 2.5L ¶611509055
DDA VI 05 01 59 27.5–.00 38.89N 43.56E 7–3 2.4L
ISC Event type ke.
ISK Event type ke.
DDA VI 05 02 15 50.6–.00 38.94N 28.17E 7–1 1.1L
¶612624476
ISC VI 06 12 51 25.7–1.0 41.13N–.03 34.41E–.02 9–10 39 0-2
DDA VI 06 12 51 25.3–.00 41.11N 34.41E 7–2 2.1L ¶611509101
ISK VI 06 12 51 25.3 41.15N 34.42E 5–0 2.6L
ISC Event type ke.
ISK Event type ke.
ISC VI 06 14 40 07.9–.99 38.64N–.02 27.57E–.02 10–8 44 0-2
DDA VI 06 14 40 07.5–.00 38.63N 27.55E 12–4 2.9L ¶611016760
ISK VI 06 14 40 07.2 38.64N 27.56E 10–0 2.8L
THE VI 06 14 40 08.0 38.61N 27.58E 2–2 3.0L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=2.3km s-min=0.8km az=43.0.
DDA VI 07 01 55 20.2–.00 38.73N 27.79E 7–1 1.5L
¶617481123
ISK VI 07 01 55 32.1 40.43N 27.26E 5–0 1.6L
¶611509127
ISK Event type ke.
ISK VI 07 09 08 46.8 37.16N 35.01E 6–0 1.1L
¶617481125
ISK Event type ke.
DDA VI 07 09 09 04.1–.00 36.54N 34.12E 7–2 1.5L
¶611509152
ISC VI 07 12 51 40.4–1.2 37.51N–.05 42.51E–.05 7–7 18 0-1
DDA VI 07 12 51 39.0–.00 37.46N 42.57E 4–2 2.6L ¶611509169
ISK VI 07 12 51 40.1 37.53N 42.40E 4–0 2.2L
ISC Event type ke.
ISK Event type ke.
ISC VI 09 03 20 32.2–1.1 38.60N–.02 27.61E–.02 4–10 60 0-2
ISK VI 09 03 20 31.7 38.64N 27.63E 1–0 2.3L ¶611016810
DDA VI 09 03 20 31.7–.00 38.60N 27.62E 7–1 2.5L
THE VI 09 03 20 33.0 38.59N 27.63E 2–1 2.4L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.7km az=105.0.
ISC VI 09 06 46 47.1–1.5 37.21N–.05 42.59E–.04 8–11 26 0-2
ISN VI 09 06 46 46.0–3.0 37.18N 42.61E 15 2.9L ¶611509257
DDA VI 09 06 46 46.8–.00 37.20N 42.61E 30–3 2.8L
ISK VI 09 06 46 47.0 37.21N 42.52E 8–0 3.0L
ISC Event type ke.
ISN Error ellipse: s-maj=28.7km s-min=29.1km az=-1.0.
ISK Event type ke.
ISC VI 09 11 45 15.8–.91 38.87N–.02 27.76E–.02 15–8 46 0-2
DDA VI 09 11 45 14.7–.00 38.85N 27.78E 6–3 2.3L ¶611016817
THE VI 09 11 45 15.8 39.03N 27.87E 17–3 2.3L
ISK VI 09 11 45 15.3 38.83N 27.65E 9–0 2.6L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=3.9km s-min=0.8km az=40.0.
ISK Event type ke.
ISC VI 09 18 45 56.1–.85 36.74N–.02 31.73E–.02 76–7 3.3b 148 0-38
IDC VI 09 18 45 56.4–1.7 36.85N 31.68E 77–20 3.4,3.2b ¶610670100
NIC VI 09 18 45 57.6–.00 36.73N 31.91E 38–37 3.3L,3.2b
ISK VI 09 18 45 57.3 36.81N 31.64E 30–0 2.7L,3.2b
DDA VI 09 18 45 57.0–.00 36.82N 31.70E 68–7 2.7L,3.2b
GII VI 09 18 45 59.2–.19 36.22N 31.39E 40 2.7,2.5
ISC Event type ke.
IDC Error ellipse: s-maj=25.1km s-min=13.8km az=106.0.
NIC Event type ke.
ISK Event type ke.
GII Event type ke.
ISC VI 10 08 51 45.9–.95 40.06N–.02 35.72E–.02 9–7 3.5b 139 0-75
IDC VI 10 08 51 44.0–.88 40.08N 35.72E 0 3.6,3.6L ¶610791586
ISK VI 10 08 51 45.7 40.06N 35.70E 5–0 4.0L,3.6L
CFUSG VI 10 08 51 46.5 40.20N 35.70E 5 3.2b,3.6L
DDA VI 10 08 51 46.0–.00 40.04N 35.64E 10–1 3.9W,3.6L
MCSM VI 10 08 51 46.9–.40 40N–2.0 36E–4.0 5–3 4.0b,3.6L
ISC Event type ke.
ISK Event type ke.
CFUSG Central Turkey. Magtype MSH 3.2 from 2 stations.
DDA VI 11 11 29 14.1–.00 38.26N 38.02E 6–5 1.5L
¶611509334
ISC VI 11 12 16 48.4–.94 37.55N–.03 38.50E–.02 9–8 36 0-3
DDA VI 11 12 16 47.8–.00 37.57N 38.51E 7–2 2.4L ¶611509335
ISK VI 11 12 16 48.5 37.49N 38.51E 11–0 2.6L
ISC Event type ke.
ISK Event type ke.
ISC VI 11 14 04 52.1–1.2 38.76N–.04 27.81E–.03 6–11 23 1-2
DDA VI 11 14 04 51.9–.00 38.73N 27.79E 7–3 2.5L ¶611016850
THE VI 11 14 04 52.9 38.81N 27.85E 8–7 2.8L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=8.3km s-min=1.4km az=49.0.
ISC VI 11 22 03 46.5–.85 37.36N–.03 43.49E–.02 15–7 49 0-3
ISN VI 11 22 03 44.0–1.6 37.29N 43.49E 10 2.7L ¶611509345
TEH VI 11 22 03 45.8 37.28N 43.36E 10 2.9L
DDA VI 11 22 03 46.1–.00 37.40N 43.52E 9–2 2.7L
ISK VI 11 22 03 46.6 37.37N 43.48E 6–0 2.4L
ISC Event type ke.
ISN Error ellipse: s-maj=17.6km s-min=8.3km az=-1.0.
TEH Error ellipse: s-maj=0.4km s-min=0.6km az=-1.0.
ISK Event type ke.
ISC VI 12 15 32 45.1–1.0 36.88N–.03 34.57E–.03 7–9 32 0-2
DDA VI 12 15 32 44.8–.00 36.83N 34.61E 7–1 2.1L ¶611509404
ISK VI 12 15 32 45.2 36.92N 34.55E 11–0 2.5L
ISC Event type ke.
ISK Event type ke.
ISC VI 12 16 43 27.9–1.2 39.02N–.04 26.25E–.05 11–9 20 0-2
ISK VI 12 16 43 26.9 38.99N 26.28E 11–0 2.4L ¶611016915
THE VI 12 16 43 28.5 39.03N 26.24E 10–1 2.5L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=2.1km s-min=0.9km az=95.0.
DDA VI 12 17 00 37.9–.00 38.81N 27.81E 7–2 2.2L
¶617481131
ISK VI 12 17 01 15.8 39.05N 26.33E 5–0 2.3L
¶611509421
ISK Event type ke.
DDA VI 12 20 55 17.1–.00 38.97N 28.07E 7–3 1.7L
¶617481155
ISK VI 12 23 22 49.5 40.42N 27.24E 8–0 2.2L
¶611017006
ISK Event type ke.
ISK VI 13 02 10 13.5 39.27N 26.10E 5–0 2.3L
¶611509494
ISK Event type ke.
ISC VI 14 14 37 32.9–.90 39.53N–.02 26.15E–.02 8–7 80 0-3
THE VI 14 14 37 32.9 39.53N 26.18E 6–1 2.8L ¶611017190
ISK VI 14 14 37 32.0 39.53N 26.17E 5–0 3.0L
DDA VI 14 14 37 33.0–.00 39.56N 26.20E 6–2 2.8L
ATH VI 14 14 37 33.3 39.52N 26.15E 13–1 2.7L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.6km az=220.0.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.3km s-min=1.0km az=235.0. ML Amplitudes are expressed in micrometers.
ISC VI 16 12 26 28.4–.97 39.53N–.02 26.13E–.03 9–7 46 0-2
ISK VI 16 12 26 27.7 39.52N 26.15E 6–0 2.5L ¶611017315
THE VI 16 12 26 28.5 39.55N 26.08E 2–1 2.5L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.3km az=182.0.
ISK VI 16 20 16 37.7 36.97N 31.11E 21–0 1.8L
DDA VI 16 20 16 47.3–.00 36.99N 32.15E 7–4 1.0L ¶611509976
ISK Event type ke.
ISC VI 16 23 45 19.5–.93 38.76N–.03 43.33E–.03 16–8 22 0-3
ISK VI 16 23 45 18.0 38.76N 43.33E 1–0 2.6L ¶611509990
DDA VI 16 23 45 19.7–.00 38.72N 43.37E 7–2 2.6L
ISC Event type ke.
ISK Event type ke.
ISC VI 17 06 10 45.8–.82 39.51N–.02 26.11E–.03 13–5 56 0-2
ISK VI 17 06 10 45.5 39.52N 26.09E 12–0 2.5L ¶611017358
DDA VI 17 06 10 45.4–.00 39.50N 26.11E 14–0 2.3L
THE VI 17 06 10 46.0 39.50N 26.08E 10–1 2.3L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.7km az=143.0.
ISC VI 17 06 55 40.9–.89 39.51N–.02 26.06E–.03 10–6 48 0-2
DDA VI 17 06 55 39.5–.00 39.51N 26.04E 5–3 2.2L ¶611017361
ISK VI 17 06 55 40.6 39.54N 26.07E 5–0 2.5L
THE VI 17 06 55 41.1 39.51N 26.10E 15–1 2.2L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.7km az=99.0.
DDA VI 17 11 28 20.0–.00 38.43N 28.36E 7–4 1.6L
¶617481139
DDA VI 17 23 12 17.7–.00 40.46N 34.43E 7–1 1.1L
¶612625488
ISK VI 18 06 15 56.3 38.73N 27.74E 8–0 2.3L
DDA VI 18 06 15 56.9–.00 38.72N 27.76E 7–1 2.5L ¶611510152
ISK Event type ke.
ISC VI 18 10 00 09.0–.81 39.51N–.02 26.07E–.02 15–5 69 0-2
ISK VI 18 10 00 08.9 39.52N 26.05E 7–0 2.6L ¶611017421
DDA VI 18 10 00 08.9–.00 39.51N 26.11E 14–1 2.1L
THE VI 18 10 00 09.5 39.52N 26.04E 4–2 2.1L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=2.9km s-min=0.5km az=146.0.
DDA VI 18 13 31 46.0–.00 38.37N 27.72E 7–7 1.3L
¶612625553
DDA VI 18 22 22 05.1–.00 38.27N 42.42E 7–3 1.3L
ISK VI 18 22 22 04.7 38.31N 42.43E 21–1 1.6L ¶611510266
ISK Event type ke.
ISC VI 19 04 56 12.9–.93 39.11N–.02 29.02E–.03 11–8 23 0-1
ISK VI 19 04 56 12.6 39.12N 29.05E 7–0 1.8L ¶617195749
DDA VI 19 04 56 13.4–.00 39.07N 28.96E 7–3 1.5L
ISC Event type ke.
ISK Event type ke.
ISC VI 19 16 27 22.6–1.2 37.32N–.04 42.67E–.04 9–9 23 0-2
ISN VI 19 16 27 19.7–2.0 37.39N 42.67E 7 2.6L ¶611510365
ISK VI 19 16 27 22.6 37.33N 42.59E 2–0 2.2L
DDA VI 19 16 27 23.4–.00 37.36N 42.65E 7–1 2.4L
ISC Event type ke.
ISN Error ellipse: s-maj=18.9km s-min=16.6km az=-1.0.
ISK Event type ke.
ISC VI 19 22 33 38.1–.90 38.36N–.01 27.77E–.01 14–7 157 0-9
DDA VI 19 22 33 37.9–.00 38.35N 27.78E 8–3 3.5W ¶611017474
THE VI 19 22 33 38.1 38.31N 27.77E 2–3 3.3L
ISK VI 19 22 33 38.0 38.37N 27.78E 6–0 3.4L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=3.4km s-min=1.1km az=127.0.
ISK Event type ke.
ISC VI 20 16 02 59.6–.00 37.37N–.03 38.61E–.02 14–8 35 0-2
DDA VI 20 16 02 59.7–.00 37.38N 38.58E 7–2 2.1L ¶611510479
ISK VI 20 16 03 00.1 37.38N 38.60E 5–0 2.5L
ISC Event type ke.
ISK Event type ke.

ISC VI 21 05 13 52.7–1.2 36.08N–.02 31.74E–.03 12–10 60 0-3
ISK VI 21 05 13 52.9 36.07N 31.76E 15–0 2.8L ¶610688733
NIC VI 21 05 13 52.8–.00 36.09N 31.77E 11–2 2.9L
DDA VI 21 05 13 53.3–.00 36.00N 31.59E 54–2 2.7L
ISC Event type ke.
ISK Event type ke.
NIC Event type ke.
DDA VI 21 09 11 44.7–.00 36.87N 34.77E 7–4 1.4L
¶611510515
ISC VI 22 08 56 34.0–.91 38.65N–.02 27.53E–.01 14–7 3.5b,3.0s 221 0-77
IDC VI 22 08 56 31.9–1.1 38.57N 27.75E 0 3.6,3.5b ¶610693477
ISK VI 22 08 56 33.7 38.66N 27.53E 11–0 4.1L,3.5b
BEO VI 22 08 56 33.3–.80 39.33N 28.57E 0 4.1L,3.5b
DDA VI 22 08 56 33.6–.00 38.63N 27.55E 16–1 4.0W,3.5b
ATH VI 22 08 56 33.4 38.62N 27.61E 8–1 4.3L,3.5b
THE VI 22 08 56 34.6 38.61N 27.53E 9–2 4.2L,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=22.1km s-min=19.4km az=132.0.
ISK Event type ke.
BEO Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.9km s-min=1.3km az=81.0. ML Amplitudes are expressed in micrometers.
THE Event type ke. Error ellipse: s-maj=2.4km s-min=0.8km az=169.0.
DDA VI 22 20 37 44.6–.00 39.54N 26.18E 9–1 1.5L
ISK VI 22 20 37 44.5 39.53N 26.18E 6–0 1.8L ¶617196338
DDA VI 22 20 37 53.5–.00 38.64N 27.55E 7–1 1.6L
¶617196339
ISC VI 23 22 42 50.7–.82 39.55N–.01 26.12E–.02 9–5 98 0-3
ISK VI 23 22 42 49.8 39.56N 26.11E 2–0 2.8L ¶611017619
DDA VI 23 22 42 50.7–.00 39.55N 26.17E 4–1 2.6L
THE VI 23 22 42 50.9 39.55N 26.12E 9–0 2.5L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=0.9km s-min=0.4km az=241.0.
DDA VI 24 02 43 08.8–.00 38.75N 27.75E 5–3 1.1L
¶617481148
ISC VI 27 16 35 20.0–.88 39.06N–.02 26.22E–.02 11–7 83 0-2
ISK VI 27 16 35 19.3 39.04N 26.21E 8–0 2.5L ¶611017726
DDA VI 27 16 35 19.7–.00 39.07N 26.23E 7–2 2.1L
THE VI 27 16 35 19.9 39.07N 26.21E 12–1 2.2L
ATH VI 27 16 35 20.3 39.06N 26.21E 6–2 2.3L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.4km az=329.0.
ATH Event type ke. Error ellipse: s-maj=2.3km s-min=1.1km az=34.0. ML Amplitudes are expressed in micrometers.
ISC VI 28 07 51 15.8–.98 36.92N–.03 29.69E–.02 11–8 29 0-2
ISK VI 28 07 51 15.5 36.87N 29.64E 4–0 2.5L ¶611511165
DDA VI 28 07 51 16.0–.00 36.94N 29.63E 22–7 2.4L
ISC Event type ke.
ISK Event type ke.
ISC VI 28 18 59 57.9–.94 36.89N–.02 29.66E–.02 10–7 3.9b 186 0-63
IDC VI 28 18 59 56.2–.93 36.88N 29.73E 0 3.8,3.8b ¶610699028
ISK VI 28 18 59 56.6 36.93N 29.63E 5–0 3.7L,3.8b
NIC VI 28 18 59 57.5–.00 36.91N 29.63E 0–3 3.7L,3.8b
DDA VI 28 18 59 57.5–.00 36.91N 29.68E 7–4 3.7W,3.8b
THE VI 28 18 59 58.8 36.82N 29.66E 0–2 3.2L,3.8b
NEIC VI 28 18 59 58.5–1.7 36.83N–.04 29.72E–.06 11–1 4.0b,3.8b
GII VI 28 19 00 04.2–.00 36.45N 29.50E 30 3.8,3.8b
ISC Event type ke.
IDC Error ellipse: s-maj=16.8km s-min=15.7km az=142.0.
ISK Event type ke.
NIC Event type ke.
THE Event type ke. Error ellipse: s-maj=4.4km s-min=1.0km az=64.0.
NEIC Event type se. Error ellipse: s-maj=6.8km s-min=5.6km az=99.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GII Event type ke.
DDA VI 29 00 01 23.3–.00 38.34N 28.34E 7–2 1.2L
¶617481151
ISK VI 29 00 01 34.9 36.94N 29.68E 5–0 1.5L
¶611511241
ISK Event type ke.
ISC VI 29 12 13 24.0–.93 39.59N–.01 26.09E–.02 7–7 89 0-2
ISK VI 29 12 13 23.3 39.58N 26.11E 6–0 2.6L ¶611017772
DDA VI 29 12 13 23.7–.00 39.59N 26.12E 2–1 2.4L
THE VI 29 12 13 24.1 39.60N 26.09E 3–2 2.2L
ATH VI 29 12 13 24.2 39.59N 26.07E 6–1 2.3L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=2.1km s-min=0.5km az=172.0.
ATH Event type ke. Error ellipse: s-maj=1.9km s-min=0.7km az=244.0. ML Amplitudes are expressed in micrometers.
ISC VI 29 20 17 23.0–1.1 41.18N–.03 36.72E–.02 11–9 68 0-4
DDA VI 29 20 17 23.2–.00 41.11N 36.69E 16–2 2.8L ¶611511295
ISK VI 29 20 17 23.0 41.13N 36.69E 12–0 3.3L
ISC Event type ke.
ISK Event type ke.
ISC VI 29 22 32 41.4–1.1 38.65N–.03 42.99E–.02 11–10 32 0-2
ISK VI 29 22 32 40.9 38.65N 42.99E 11–0 2.2L ¶611511302
DDA VI 29 22 32 41.4–.00 38.61N 42.99E 7–3 2.5L
ISC Event type ke.
ISK Event type ke.

(367) Turkey-Georgia-Armenia border region.

ISC I 03 07 44 24.5–1.0 41.97N–.01 43.16E–.02 11–9 85 0-4
TIF I 03 07 44 24.3 41.98N 43.22E 17–1 ¶610505608
NORS I 03 07 44 25.0–.00 41.97N 43.14E 1–0 3.7
MOS I 03 07 44 25.6–.00 42.00N 43.12E 5–0 3.6
ISK I 03 07 44 25.6 41.95N 43.28E 13–0 2.7L
DDA I 03 07 44 26.3–.00 41.85N 43.13E 7–2 2.7L
ISC Event type ke.
NORS Event type se.
MOS Event type se.
ISK Event type ke.
ISC I 11 19 29 01.1–.88 41.37N–.01 43.91E–.01 9–7 273 0-4
TIF I 11 19 29 00.4 41.39N 43.94E 9–0 ¶610057029
ISK I 11 19 29 00.1 41.43N 43.97E 9–0 2.8L
MOS I 11 19 29 01.0–.00 41.40N 43.89E 1–0 3.7
NORS I 11 19 29 02.2–.00 41.55N 43.86E 3–0 4.0
AZER I 11 19 29 02.4–.11 41.38N 44.39E 2 4.0
DDA I 11 19 29 03.8–.00 41.26N 43.70E 7–3 2.6L
DRS I 11 19 29 03.9–.00 41.11N 43.71E 22 2.6L
ISC Event type ke.
ISK Event type ke.
MOS Event type se.
NORS Event type se.
AZER Error ellipse: s-maj=1.7km s-min=1.0km az=320.0.
DRS Event type se.
ISC I 14 16 02 51.1–1.1 40.10N–.03 44.89E–.03 11–8 40 0-3
TIF I 14 16 02 50.9 40.05N 44.74E 21–1 ¶610505617
DDA I 14 16 02 52.0–.00 40.13N 44.80E 5–12 1.8L
ISK I 14 16 02 52.9 40.07N 44.78E 5–0 2.0L
TEH I 14 16 02 57.5 39.59N 45.02E 10–135 2.5L
ISC Event type ke.
ISK Event type ke.
TEH Error ellipse: s-maj=17.7km s-min=9.0km az=-1.0.
ISC I 20 13 52 33.8–.60 41.74N–.01 42.92E–.01 9–3 4.3b,3.3s 573 0-75
TIF I 20 13 52 32.8 41.74N 42.93E 17–0 4.3b,3.3s ¶611831617
IDC I 20 13 52 32.5–.46 41.70N 42.84E 0 4.1L,4.0
CFUSG I 20 13 52 32.1 41.37N 42.34E 5 4.1b,4.0
NORS I 20 13 52 32.5–.00 41.84N 42.90E 1–0 5.3,4.0
ISK I 20 13 52 32.4 41.72N 42.90E 5–0 4.2L,4.0
AZER I 20 13 52 33.6–.48 42.16N 43.07E 10 4.2L,4.0
NSSP I 20 13 52 34.0 41.65N 42.93E 10 4.1s,4.0
MOS I 20 13 52 33.0–.00 41.81N 42.80E 9–0 5.2,4.0
DDA I 20 13 52 34.2–.00 41.76N 42.86E 10–0 4.3W,4.0
NEIC I 20 13 52 34.5–2.3 41.75N–.05 42.95E–.08 10–2 4.4b,4.0
ISC Event type ke.
CFUSG Georgia. Magtype MSH 3.2 from 4 stations.
NORS Event type se.
ISK Event type ke.
MOS Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 27 13 24 17.2–1.1 41.55N–.02 42.54E–.02 8–10 73 0-3
TIF I 27 13 24 16.8 41.59N 42.47E 16–1 ¶610473282
ISK I 27 13 24 17.1 41.61N 42.49E 4–0 3.0L
NORS I 27 13 24 19.9–.00 41.68N 42.53E 12–0 3.8
DDA I 27 13 24 20.0–.00 41.48N 42.22E 1–11 2.9L
ISC Event type ke.
ISK Event type ke.
NORS Event type se.
ISC II 04 20 40 24.6–.85 41.47N–.02 43.94E–.02 11–6 59 0-3
TIF II 04 20 40 23.7 41.47N 43.96E 13–0 ¶610476225
ISK II 04 20 40 24.1 41.50N 43.95E 5–0 2.5L
DDA II 04 20 40 25.7–.00 41.45N 43.73E 7–5 2.5L
ISC Event type ke.
ISK Event type ke.
ISC II 09 06 50 52.0–.98 41.18N–.02 43.92E–.02 9–9 67 0-2
TIF II 09 06 50 50.9 41.16N 43.94E 10–1 ¶610476233
ISK II 09 06 50 50.5 41.16N 43.96E 3–0 2.4L
DDA II 09 06 50 51.3–.00 41.18N 43.92E 6–3 2.1L
NORS II 09 06 50 54.6–.00 41.45N 43.95E 1–0 3.4
ISC Event type ke.
ISK Event type ke.
NORS Event type se.
ISC II 09 07 13 07.9–.92 41.18N–.02 43.92E–.02 15–8 58 0-2
TIF II 09 07 13 07.2 41.16N 43.94E 10–1 ¶610476234
DDA II 09 07 13 08.6–.00 41.14N 43.84E 4–3 2.3L
NORS II 09 07 13 10.2–.00 41.44N 43.92E 1–0 3.5
ISC Event type ke.
NORS Event type se.
ISC II 16 09 36 03.6–.84 41.18N–.02 43.92E–.02 17–6 110 0-3
MOS II 16 09 36 02.7–.00 41.14N 43.85E 1–0 3.7 ¶610216981
TIF II 16 09 36 02.9 41.18N 43.95E 15–0 3.7
DDA II 16 09 36 03.5–.00 41.10N 43.93E 28–0 2.7L
NORS II 16 09 36 06.7–.00 41.41N 43.95E 1–0 3.4
ISC Event type ke.
MOS Event type se.
NORS Event type se.
ISC II 19 18 31 43.3–.95 41.84N–.01 43.17E–.01 8–8 170 0-3
NORS II 19 18 31 43.1–.00 41.96N 43.15E 5–0 3.7 ¶610231645
MOS II 19 18 31 43.1–.00 41.84N 43.13E 1–0 3.7
ISK II 19 18 31 43.1 41.87N 43.25E 9–0 2.8L
TIF II 19 18 31 43.6 41.86N 43.18E 5 2.8L
DDA II 19 18 31 44.0–.00 41.84N 43.15E 11–3 2.5L
ISC Event type ke.
NORS Event type se.
MOS Event type se.
ISK Event type ke.
ISC III 13 16 53 21.5–1.1 41.83N–.02 42.11E–.02 4–10 71 0-3
MOS III 13 16 53 21.7–.00 41.86N 42.13E 4–0 3.1 ¶610617577
TIF III 13 16 53 21.2 41.83N 42.06E 20–1 3.1
NORS III 13 16 53 22.5–.00 41.98N 42.30E 2–0 3.1
DDA III 13 16 53 23.0–.00 41.72N 42.11E 7–2 2.3L
ISC Event type se.
MOS Event type se.
NORS Event type se.
ISC III 15 05 42 31.0–.83 41.50N–.02 42.81E–.02 14–5 61 0-2
ISK III 15 05 42 30.5 41.52N 42.74E 11–0 2.7L ¶610617592
MOS III 15 05 42 30.2–.00 41.58N 42.81E 6–0 3.4
TIF III 15 05 42 30.3 41.47N 42.82E 18–0 3.4
NORS III 15 05 42 31.4–.00 41.59N 42.83E 8–0 3.4
DDA III 15 05 42 32.1–.00 41.46N 42.70E 7–1 2.4L
ISC Event type ke.
ISK Event type ke.
MOS Event type se.
NORS Event type se.
ISC III 23 00 26 54.1–.78 41.62N–.01 43.88E–.01 15–5 132 0-5
NORS III 23 00 26 52.6–.00 41.69N 43.90E 5–0 3.6 ¶610617639
TIF III 23 00 26 52.8 41.64N 43.88E 16–0 3.6
ISK III 23 00 26 53.4 41.66N 43.83E 10–0 2.8L
DDA III 23 00 26 54.0–.00 41.64N 43.76E 9–1 2.5L
AZER III 23 00 26 55.6–.61 41.56N 44.03E 2 2.5L
ISC Event type ke.
NORS Event type se.
ISK Event type ke.
AZER Error ellipse: s-maj=8.0km s-min=2.0km az=346.0.
ISC III 24 01 24 01.1–.87 41.45N–.01 43.97E–.01 7–6 358 0-22
MOS III 24 01 23 59.3–.00 41.49N 43.91E 3–0 4.3 ¶610434499
DRS III 24 01 23 59.3–.00 41.26N 43.92E 16 4.3
ISK III 24 01 24 00.5 41.49N 43.95E 5–0 3.6L
IDC III 24 01 24 00.2–.80 41.51N 44.11E 0 3.4,2.8b
NORS III 24 01 24 00.7–.00 41.50N 43.90E 7–0 4.4,2.8b
TIF III 24 01 24 00.7 41.48N 43.94E 13–0 4.4,2.8b
AZER III 24 01 24 02.8–.08 41.47N 44.26E 2 4.4,2.8b
NSSP III 24 01 24 02.6 41.42N 43.95E 10 3.5s,2.8b
DDA III 24 01 24 02.8–.00 41.45N 43.80E 18–0 3.6W,2.8b
CFUSG III 24 01 24 04.1 41.27N 43.75E 27 3.6W,2.8b
ISC Event type ke.
MOS Event type se.
DRS Event type se.
ISK Event type ke.
IDC Error ellipse: s-maj=17.9km s-min=7.7km az=71.0.
NORS Event type se.
AZER Error ellipse: s-maj=1.5km s-min=1.1km az=323.0.
CFUSG Georgia. Magtype MSH 3.2 from 2 stations.
ISC III 24 01 30 35.4–.81 41.46N–.02 43.96E–.01 11–5 133 0-4
MOS III 24 01 30 33.6–.00 41.46N 43.90E 3–0 3.5 ¶610617650
ISK III 24 01 30 35.1 41.49N 43.95E 6–0 2.8L
NORS III 24 01 30 35.0–.00 41.52N 43.86E 5–0 3.7
TIF III 24 01 30 35.1 41.48N 43.95E 15–0 3.7
DDA III 24 01 30 37.2–.00 41.45N 43.78E 7–2 2.5L
DRS III 24 01 30 39.1–.00 41.10N 44.14E 20 2.5L
ISC Event type ke.
MOS Event type se.
ISK Event type ke.
NORS Event type se.
DRS Event type se.
ISC III 24 01 34 00.8–.86 41.46N–.01 43.94E–.01 8–6 147 0-4
MOS III 24 01 33 58.7–.00 41.47N 43.89E 3–0 3.4 ¶610617649
ISK III 24 01 34 00.1 41.48N 43.95E 10–0 2.7L
TIF III 24 01 34 00.0 41.48N 43.95E 11–0 2.7L
NORS III 24 01 34 00.9–.00 41.53N 43.83E 8–0 3.5
DDA III 24 01 34 01.8–.00 41.47N 43.94E 8–1 2.4L
DRS III 24 01 34 03.1–.00 41.34N 43.78E 21 2.4L
ISC Event type ke.
MOS Event type se.
ISK Event type ke.
NORS Event type se.
DRS Event type se.

ISC III 24 21 07 16.2–.87 41.36N–.02 43.75E–.02 10–6 71 0-2
ISK III 24 21 07 15.7 41.38N 43.75E 5–0 2.4L ¶610617643
NORS III 24 21 07 15.4–.00 41.47N 43.79E 2–0 2.8
TIF III 24 21 07 15.5 41.37N 43.76E 8–0 2.8
DDA III 24 21 07 16.2–.00 41.36N 43.68E 7–3 2.1L
ISC Event type ke.
ISK Event type ke.
NORS Event type se.
ISC IV 01 18 36 54.0–.89 41.33N–.02 43.95E–.02 11–7 77 0-3
TIF IV 01 18 36 53.2 41.35N 43.94E 15–0 ¶610617694
ISK IV 01 18 36 53.5 41.37N 43.96E 8–0 2.2L
NORS IV 01 18 36 55.9–.00 41.50N 43.91E 8–0 3.5
DDA IV 01 18 36 55.5–.00 41.28N 43.91E 13–2 2.3L
ISC Event type ke.
ISK Event type ke.
NORS Event type se.
ISC IV 18 06 49 35.2–.96 40.98N–.01 44.10E–.01 9–8 182 0-15
ISK IV 18 06 49 34.7 40.98N 44.14E 5–0 3.0L ¶610529607
TIF IV 18 06 49 34.8 40.99N 44.15E 10–1 3.0L
MOS IV 18 06 49 34.6–.00 40.96N 44.17E 7–0 4.1
DDA IV 18 06 49 35.0–.00 40.93N 44.05E 20–8 3.3W
NSSP IV 18 06 49 35.1 40.95N 44.12E 5 2.7s
NORS IV 18 06 49 37.0–.00 41.22N 44.21E 1–0 4.0
ISC Event type ke.
ISK Event type ke.
MOS Event type se.
NORS Event type se.
ISC IV 20 00 10 40.4–.92 41.34N–.02 43.88E–.02 10–7 99 0-3
DRS IV 20 00 10 36.0–.00 41.14N 43.69E 16 ¶610609321
ISK IV 20 00 10 39.9 41.36N 43.96E 10–0 2.3L
TIF IV 20 00 10 39.8 41.35N 43.94E 15–0 2.3L
MOS IV 20 00 10 40.4–.00 41.44N 43.80E 7–0 3.4
NORS IV 20 00 10 41.7–.00 41.39N 43.83E 1–0 3.4
DDA IV 20 00 10 41.4–.00 41.31N 43.85E 7–3 1.9L
ISC Event type ke.
DRS Event type se.
ISK Event type ke.
MOS Event type se.
NORS Event type se.
ISC V 09 06 32 43.8–.82 41.32N–.02 43.90E–.01 13–6 111 0-3
MOS V 09 06 32 42.1–.00 41.35N 43.88E 7–0 3.6 ¶610782574
TIF V 09 06 32 43.0 41.32N 43.89E 16–0 3.6
NORS V 09 06 32 43.9–.00 41.42N 43.96E 9–0 3.9
ISK V 09 06 32 44.2 41.40N 44.04E 31–0 3.2L
DDA V 09 06 32 45.2–.00 41.23N 43.70E 8–2 2.8L
ISC Event type ke.
MOS Event type se.
NORS Event type se.
ISK Event type ke.
ISC V 09 11 07 26.2–.61 41.25N–.01 43.99E–.01 10 344 0-26
ISK V 09 11 07 24.4 41.26N 44.06E 5–0 3.6L ¶610618949
TIF V 09 11 07 24.7 41.27N 43.96E 11–0 3.6L
NSSP V 09 11 07 25.7 41.28N 43.95E 10 3.3s
DDA V 09 11 07 25.7–.00 41.23N 43.91E 2–1 3.4W
MOS V 09 11 07 25.2–.00 41.29N 43.97E 2–0 4.5
NORS V 09 11 07 26.0–.00 41.43N 43.84E 2–0 4.6
AZER V 09 11 07 29.2–.25 41.23N 44.41E 33–1 4.6
ISC Event type ke.
ISK Event type ke.
MOS Event type se.
NORS Event type se.
AZER Error ellipse: s-maj=4.3km s-min=3.2km az=275.0.
ISC V 22 09 43 10.4–.92 41.34N–.02 43.89E–.02 11–7 71 0-2
TIF V 22 09 43 09.7 41.35N 43.88E 16–0 ¶610782586
ISK V 22 09 43 09.2 41.35N 43.91E 7–0 2.4L
NORS V 22 09 43 10.9–.00 41.37N 43.92E 2–0 3.6
DDA V 22 09 43 11.8–.00 41.27N 43.72E 7–2 2.1L
ISC Event type ke.
ISK Event type ke.
NORS Event type se.
ISC V 24 12 00 35.2–.89 41.34N–.02 43.83E–.02 14–7 52 0-3
ISK V 24 12 00 34.9 40.14N 42.98E 7–0 3.0L ¶610782587
TIF V 24 12 00 34.1 41.33N 43.88E 16–0 3.0L
DDA V 24 12 00 34.1–.00 41.35N 43.85E 6–7 2.3L
NORS V 24 12 00 36.3–.00 41.39N 43.93E 1–0 3.4
ISC Event type ke.
ISK Event type ke.
NORS Event type se.
ISC VI 03 02 42 11.3–.85 41.18N–.02 42.53E–.02 11–6 61 0-3
ISK VI 03 02 42 11.9 41.19N 42.44E 6–0 2.9L ¶610782595
DDA VI 03 02 42 11.3–.00 41.17N 42.53E 11–0 2.7L
TIF VI 03 02 42 11.1 41.20N 42.52E 13–1 2.7L
ISC Event type ke.
ISK Event type ke.
ISC VI 04 13 12 17.4–1.2 40.24N–.03 44.81E–.04 9–11 36 1-3
TIF VI 04 13 12 18.5 40.31N 44.81E 14–0 ¶610661352
TEH VI 04 13 12 21.0 40.14N 44.72E 10–45 2.7L
ISC Event type ke.
TEH Error ellipse: s-maj=5.1km s-min=11.7km az=-1.0.
ISC VI 15 09 34 27.1–1.1 40.45N–.02 44.75E–.02 4–10 59 0-3
TIF VI 15 09 34 27.0 40.45N 44.74E 10–2 ¶610675181
ISK VI 15 09 34 27.1 40.44N 44.70E 4–0 2.6L
AZER VI 15 09 34 28.5–.13 40.41N 44.90E 4–1 2.6L
ISC Event type ke.
ISK Event type ke.
AZER Error ellipse: s-maj=2.7km s-min=0.8km az=286.0.
ISC VI 25 00 23 02.4–.97 41.23N–.02 43.15E–.02 12–9 53 0-2
ISK VI 25 00 23 01.4 41.26N 43.12E 5–0 2.7L ¶610780043
TIF VI 25 00 23 02.0 41.22N 43.16E 14–0 2.7L
DDA VI 25 00 23 02.3–.00 41.21N 43.14E 10–2 2.5L
ISC Event type ke.
ISK Event type ke.
ISC VI 29 06 41 59.2–.84 40.45N–.02 43.69E–.01 16–6 101 0-4
ISK VI 29 06 41 57.9 40.45N 43.69E 7–0 2.9L ¶610699052
AZER VI 29 06 41 58.1–.80 40.45N 43.65E 7–5 2.9L
TIF VI 29 06 41 58.4 40.47N 43.66E 10–1 2.9L
NSSP VI 29 06 41 58.4 40.45N 43.67E 10 3.1s
DDA VI 29 06 41 58.3–.00 40.41N 43.67E 7–3 3.2L
ISC Event type ke.
ISK Event type ke.
AZER Error ellipse: s-maj=10.6km s-min=8.1km az=267.0.

(368) Southern Greece.

ISC I 02 13 50 47.8–1.5 36.13N–.04 21.94E–.04 13–9 4.1b 84 1-71
IDC I 02 13 50 45.3–1.2 36.19N 21.81E 0 3.9b,3.7 ¶610236470
ATH I 02 13 50 48.8 36.12N 21.96E 10–31 3.3L,3.7
THE I 02 13 50 48.2 36.06N 21.98E 2–1 3.4L,3.7
NEIC I 02 13 50 48.4–2.0 36.22N–.08 21.91E–.09 10–1 4.4b,3.7
ISC Event type ke.
ATH Event type ke.
THE Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 09 10 03 18.6–.87 37.58N–.02 23.55E–.03 16–8 45 0-2
ATH I 09 10 03 18.7 37.57N 23.57E 16–2 2.4L ¶610678870
THE I 09 10 03 18.9 37.58N 23.56E 8–1 2.3L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.3km s-min=0.8km az=311.0.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.4km az=316.0.
ISC I 13 12 12 05.4–.77 37.09N–.02 22.18E–.02 11–5 4.3b 265 0-121
IDC I 13 12 12 03.5–.67 37.08N 22.19E 0 4.0,4.0b ¶610086838
ISK I 13 12 12 04.8 37.19N 22.21E 5–0 3.8L,4.0b
DDA I 13 12 12 05.0–.00 37.14N 22.40E 8–10 4.0W,4.0b
BEO I 13 12 12 05.7–.70 36.89N 22.02E 8–9 4.1L,4.0b
THE I 13 12 12 05.7 37.10N 22.21E 2–1 3.9L,4.0b
NEIC I 13 12 12 05.6–1.9 37.15N–.07 22.19E–.03 10–1 4.5b,4.0b
ATH I 13 12 12 05.8 37.11N 22.17E 6 3.8W,4.0b
ISC Event type ke.
IDC Error ellipse: s-maj=16.4km s-min=11.2km az=30.0.
ISK Event type ke.
BEO Event type ke.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.7km az=248.0.
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=4.6km az=188.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ATH Moment Tensor Solution. s6 Moment tensor: M_{rr}-4.16 $M_{\theta\theta}$0.40 $M_{\phi\phi}$3.77 $M_{r\theta}$1.43 $M_{\theta\phi}$0.64 $M_{\phi r}$-4.24 NP1:ϕ_s203.00000°,δ24.00000°,λ-59.00000°. NP2:ϕ_s350.00000°,δ69.00000°,λ-103.00000°.
ISC I 17 06 19 10.4–.89 37.46N–.02 22.05E–.02 14–6 3.8b,3.0s 223 0-121
ISK I 17 06 19 09.2 37.46N 22.10E 3–0 3.9L,3.0s ¶610098433
BEO I 17 06 19 09.7–.60 37.25N 21.75E 5–3 3.8L,3.0s
ATH I 17 06 19 11.2 37.42N 22.04E 4–1 3.8L,3.0s
THE I 17 06 19 11.1 37.41N 22.04E 12–2 4.0L,3.0s
IDC I 17 06 19 14.2–1.6 37.43N 22.18E 48–19 3.7,3.6L
ISC Event type ke.
ISK Event type ke.
BEO Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.5km s-min=0.7km az=254.0.
THE Event type ke. Error ellipse: s-maj=2.2km s-min=0.6km az=233.0.
IDC Error ellipse: s-maj=16.9km s-min=12.8km az=57.0.
ATH I 18 15 17 31.5 36.74N 23.10E 25–1 2.2L
¶615527864
ATH Event type ke. Error ellipse: s-maj=3.0km s-min=1.1km az=279.0.
ISC I 22 11 26 44.7–1.3 37.19N–.05 21.06E–.04 13–8 3.5b 92 1-46
BEO I 22 11 26 44.7–.80 37.16N 20.81E 0 3.5L ¶610235104
THE I 22 11 26 45.2 37.17N 21.07E 0–2 3.4L
ATH I 22 11 26 45.1 37.15N 21.08E 12–2 3.3L
IDC I 22 11 26 45.1–2.8 37.53N 21.36E 0 3.7b,3.6
ISC Event type ke.
BEO Event type ke.
THE Event type ke. Error ellipse: s-maj=2.8km s-min=0.6km az=221.0.
ATH Event type ke. Error ellipse: s-maj=4.0km s-min=1.1km az=43.0.
IDC Error ellipse: s-maj=59.6km s-min=19.7km az=41.0.
ISC I 24 10 00 03.2–1.3 37.19N–.04 21.06E–.03 19–4 4.1b 231 1-80
IDC I 24 10 00 00.8–.95 37.29N 21.14E 0 4.3s,4.0b ¶610105985
BEO I 24 10 00 01.2–.90 37.10N 21.05E 0 3.8L,4.0b
THE I 24 10 00 03.4 37.19N 21.09E 7–1 4.1L,4.0b
ATH I 24 10 00 04.0 37.24N 21.10E 5–1 3.9L,4.0b
NEIC I 24 10 00 04.3–2.2 37.16N–.05 21.11E–.06 22–8 4.4b,4.0b
PDG I 24 10 00 06.3–1.2 37.05N 21.08E 22–11 4.1L,4.0b
ISC Event type ke.
IDC Error ellipse: s-maj=18.8km s-min=14.1km az=26.0.
BEO Event type ke.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.6km az=33.0.
ATH Event type ke. Error ellipse: s-maj=1.8km s-min=0.8km az=31.0.
NEIC Event type se. Error ellipse: s-maj=8.5km s-min=6.2km az=222.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PDG Event type ke. Error ellipse: s-maj=3.2km s-min=3.1km az=90.0.
ISC I 28 16 01 13.7–.87 37.57N–.02 23.54E–.02 13–6 3.4b 143 0-44
IDC I 28 16 01 12.4–1.3 37.66N 23.61E 0 3.4,3.3b ¶610147538
ATH I 28 16 01 14.0 37.58N 23.56E 11–1 3.1L,3.3b
THE I 28 16 01 14.5 37.58N 23.56E 5–1 3.0L,3.3b
ISC Event type ke.
IDC Error ellipse: s-maj=28.9km s-min=21.2km az=126.0.
ATH Event type ke. Error ellipse: s-maj=1.0km s-min=0.6km az=63.0.
THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.4km az=15.0.
ATH I 28 16 09 52.6 37.57N 23.55E 13–1 1.9L
THE I 28 16 09 52.8 37.57N 23.57E 0–3 1.9L ¶610679261
ATH Event type ke. Error ellipse: s-maj=2.4km s-min=0.9km az=124.0.
THE Event type ke. Error ellipse: s-maj=3.1km s-min=0.8km az=131.0.
ISC I 28 17 23 09.6–.90 37.57N–.02 23.57E–.02 12–7 86 0-2
ATH I 28 17 23 09.7 37.56N 23.57E 8–1 2.4L ¶610679262
THE I 28 17 23 09.7 37.56N 23.57E 0–1 2.3L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.2km s-min=0.7km az=316.0.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.4km az=289.0.
ISC I 28 21 53 50.8–.91 37.61N–.01 23.55E–.01 15–7 191 0-4
ISK I 28 21 53 48.1 37.64N 23.50E 5–0 3.4L ¶610679266
DDA I 28 21 53 50.1–.00 37.65N 23.66E 4–4 3.6W
ATH I 28 21 53 51.3 37.57N 23.56E 9–1 3.3L
THE I 28 21 53 51.5 37.58N 23.55E 0–1 3.2L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.2km s-min=0.5km az=297.0.
THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.3km az=122.0.
ISC I 29 13 11 55.6–.79 36.33N–.04 21.92E–.03 43–6 4.3b,3.2s 406 1-121
MOS I 29 13 11 54.3–1.2 36.39N 21.96E 46 4.5b,3.2s ¶611831684
THE I 29 13 11 55.2 36.21N 21.86E 8–1 3.9L,3.2s
NEIC I 29 13 11 55.2–1.6 36.31N–.09 22.00E–.08 31–6 4.5b,3.2s
BEO I 29 13 11 56.8–3.7 36.30N 21.77E 48–5 4.1L,3.2s
PDG I 29 13 11 56.9–.72 36.12N 21.87E 60–8 4.3L,3.2s
ATH I 29 13 11 56.6 36.28N 22.02E 25–3 3.9L,3.2s
IDC I 29 13 11 56.0–1.7 36.32N 22.02E 51–15 3.9,3.7b
ISC Event type ke.
MOS Error ellipse: s-maj=7.5km s-min=3.9km az=78.4.
THE Event type ke. Error ellipse: s-maj=2.3km s-min=0.9km az=39.0.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=9.2km az=198.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=1.7km s-min=1.6km az=90.0.
ATH Event type ke. Error ellipse: s-maj=3.9km s-min=1.3km az=42.0.
IDC Error ellipse: s-maj=15.6km s-min=11.7km az=166.0.
ATH II 02 00 42 23.8 37.57N 23.59E 15–2 1.1L
¶615490862
ATH Event type ke. Error ellipse: s-maj=3.1km s-min=0.9km az=313.0.
ATH II 10 21 15 03.5 37.55N 23.38E 6–3 1.7L
¶615491077
ATH Event type ke. Error ellipse: s-maj=3.0km s-min=0.7km az=124.0.
ISC II 13 12 49 52.6–1.6 37.12N–.05 21.07E–.04 2–11 44 1-2
ATH II 13 12 49 53.6 37.15N 21.10E 7–2 2.5L ¶610679722
THE II 13 12 49 53.6 37.13N 21.07E 0–1 2.7L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=4.5km s-min=1.4km az=37.0.
THE Event type ke. Error ellipse: s-maj=2.2km s-min=0.6km az=213.0.
ISC II 15 17 35 25.4–.86 36.88N–.03 21.72E–.04 9–4 3.6b 61 0-61
THE II 15 17 35 25.4 36.91N 21.70E 1–1 3.3L ¶610415575
ATH II 15 17 35 26.1 36.90N 21.77E 3–1 3.2L
IDC II 15 17 35 33.9–4.5 36.65N 21.95E 106–43 3.5,3.3b
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=2.3km s-min=1.0km az=224.0.
ATH Event type ke. Error ellipse: s-maj=1.6km s-min=0.9km az=245.0.
IDC Error ellipse: s-maj=34.2km s-min=23.3km az=140.0.
ISC II 17 01 59 39.6–.86 36.89N–.03 21.68E–.03 9–5 3.4b 66 0-79
IDC II 17 01 59 38.2–1.4 36.85N 21.93E 0 3.4,3.3b ¶610415661
THE II 17 01 59 41.0 36.93N 21.78E 0–2 3.0L,3.3b
ATH II 17 01 59 41.1 36.90N 21.74E 3–1 3.1L,3.3b
ISC Event type ke.
IDC Error ellipse: s-maj=42.6km s-min=24.8km az=148.0.
THE Event type ke. Error ellipse: s-maj=2.5km s-min=0.9km az=217.0.
ATH Event type ke. Error ellipse: s-maj=1.9km s-min=1.1km az=57.0.

ISC II 19 05 13 31.3–.66 36.73N–.03 23.11E–.03 71–6 3.7b 248 0-75
BEO II 19 05 13 11.9–6.0 34.90N 23.31E 187–2 3.5L ¶610231547
GII II 19 05 13 29.6–.61 36.74N 23.12E 59 3.5L
IDC II 19 05 13 30.9–2.5 36.42N 22.88E 96–20 3.7,3.5b
ISK II 19 05 13 31.5 36.88N 23.24E 21–0 3.5L,3.5b
ATH II 19 05 13 33.1 36.74N 23.14E 62–2 3.5L,3.5b
THE II 19 05 13 33.2 36.75N 23.12E 59–1 3.5L,3.5b
ISC Event type ke.
BEO Event type ke.
GII Event type ke.
IDC Error ellipse: s-maj=38.8km s-min=18.3km az=52.0.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.8km s-min=1.1km az=235.0.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.4km az=230.0.
ISC II 19 22 58 41.2–.85 37.90N–.02 22.63E–.02 14–5 4.4b 256 0-81
ISK II 19 22 58 39.8 37.93N 22.65E 11–0 3.6L ¶610231653
BEO II 19 22 58 39.8–4.7 37.49N 22.64E 71–2 2.9L
NEIC II 19 22 58 40.2–1.6 37.87N–.03 22.61E–.05 7–5 4.5b
THE II 19 22 58 41.4 37.89N 22.62E 6–0 3.4L
ATH II 19 22 58 41.5 37.89N 22.62E 9–1 3.5L
DDA II 19 22 58 43.0–.00 37.94N 22.53E 26–2 3.5W
IDC II 19 22 58 43.0–4.4 37.89N 22.71E 29–34 3.8,3.6b
ISC Event type ke.
ISK Event type ke.
BEO Event type ke.
NEIC Event type se. Error ellipse: s-maj=7.8km s-min=1.7km az=127.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
THE Event type ke. Error ellipse: s-maj=0.8km s-min=0.4km az=31.0.
ATH Event type ke. Error ellipse: s-maj=1.1km s-min=0.4km az=11.0.
IDC Error ellipse: s-maj=15.9km s-min=14.2km az=171.0.
ISC II 23 18 52 58.1–1.0 37.84N–.03 21.16E–.04 17–8 3.6b 40 0-46
THE II 23 18 52 59.8 37.79N 21.05E 19–2 3.1L ¶610384892
ATH II 23 18 53 00.4 37.79N 21.06E 19–3 3.1L
IDC II 23 18 53 05.2–3.6 37.65N 21.32E 101–40 3.5,3.3b
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=2.2km s-min=0.7km az=230.0.
ATH Event type ke. Error ellipse: s-maj=4.1km s-min=1.7km az=226.0.
IDC Error ellipse: s-maj=30.5km s-min=23.4km az=105.0.
ISC II 26 20 08 44.4–.91 37.58N–.03 23.57E–.04 17–8 43 0-2
ATH II 26 20 08 44.8 37.58N 23.56E 12–1 2.8L ¶610680130
THE II 26 20 08 44.2 37.54N 23.62E 10–1 2.8L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.2km s-min=0.7km az=124.0.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.4km az=309.0.
ISC II 27 06 08 52.5–.81 37.95N–.02 21.82E–.02 14–5 73 0-2
ATH II 27 06 08 52.9 37.95N 21.83E 7–1 2.3L ¶610680137
THE II 27 06 08 53.0 37.96N 21.84E 12–1 2.4L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.6km s-min=0.7km az=311.0.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.5km az=268.0.
ISC III 04 07 43 12.0–.93 37.78N–.03 21.18E–.02 16–6 3.3b 73 0-46
IDC III 04 07 43 08.0–3.2 38.16N 20.94E 0 3.3,3.3b ¶610545506
ATH III 04 07 43 11.4 37.77N 21.20E 19–3 3.0L,3.3b
THE III 04 07 43 11.7 37.78N 21.18E 0–1 3.1L,3.3b
ISC Event type ke.
IDC Error ellipse: s-maj=387.8km s-min=30.5km az=136.0.
ATH Event type ke. Error ellipse: s-maj=3.9km s-min=1.0km az=213.0.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.6km az=219.0.
ISC III 12 15 47 35.5–1.3 36.80N–.05 21.49E–.03 10–7 3.6b 86 0-46
IDC III 12 15 47 35.2–15 37.10N 21.84E 0 3.5,3.5b ¶610546082
THE III 12 15 47 35.9 36.80N 21.45E 0–2 3.0L,3.5b
ATH III 12 15 47 36.8 36.82N 21.49E 10–31 2.9L,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=310.7km s-min=48.3km az=30.0.
THE Event type ke. Error ellipse: s-maj=2.9km s-min=1.2km az=221.0.
ATH Event type ke. Error ellipse: s-maj=31.6km s-min=1.6km az=0.0.
ISC III 15 22 37 25.4–1.0 36.67N–.02 22.57E–.02 9–7 3.8b 125 0-75
ISK III 15 22 37 23.9 36.82N 22.68E 5–0 3.5L ¶610546278
IDC III 15 22 37 24.3–.96 36.68N 22.68E 0 3.8b,3.7
THE III 15 22 37 25.9 36.71N 22.58E 1–2 3.4L,3.7
ATH III 15 22 37 26.6 36.70N 22.58E 10–31 3.5L,3.7
ISC Event type ke.
ISK Event type ke.
IDC Error ellipse: s-maj=19.2km s-min=14.2km az=32.0.
THE Event type ke. Error ellipse: s-maj=2.7km s-min=0.8km az=231.0.
ATH Event type ke. Error ellipse: s-maj=31.6km s-min=1.0km az=0.0.
IDC III 15 22 38 45.6–1.7 36.77N 22.55E 0 3.6b,3.5
¶610546279
IDC Error ellipse: s-maj=35.1km s-min=29.8km az=141.0.
ISC III 20 01 27 43.5–.96 36.70N–.02 22.59E–.02 10–7 3.6b 126 0-75
ISK III 20 01 27 42.1 36.73N 22.61E 13–0 3.5L ¶610431528
ATH III 20 01 27 43.5 36.70N 22.56E 4–1 3.3L
THE III 20 01 27 43.5 36.71N 22.60E 2–0 3.3L
IDC III 20 01 27 48.5–1.7 36.67N 22.60E 55–21 3.6,3.3b
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.8km s-min=0.8km az=139.0.
THE Event type ke. Error ellipse: s-maj=0.5km s-min=0.2km az=194.0.
IDC Error ellipse: s-maj=19.1km s-min=13.1km az=30.0.
ISC III 20 19 48 50.8–.78 37.25N–.02 22.10E–.02 12–5 4.1b 239 0-121
ISK III 20 19 48 48.3 37.29N 22.13E 5–0 3.8L ¶610394180
THE III 20 19 48 50.8 37.22N 22.12E 0–1 3.7L
DDA III 20 19 48 50.0–.00 37.21N 22.38E 18–60 3.9W
BEO III 20 19 48 50.6–4.3 36.76N 21.59E 73 3.5L
ATH III 20 19 48 51.2 37.24N 22.11E 4–0 3.6L
IDC III 20 19 48 55.9–1.3 37.29N 22.14E 54–14 3.8,3.6b
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.6km az=217.0.
BEO Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.0km s-min=0.5km az=258.0.
IDC Error ellipse: s-maj=14.8km s-min=9.3km az=25.0.
ISC III 24 04 24 29.8–.40 37.59N–.03 23.96E–.03 160–3 4.7b 927 0-129
MED_R III 24 04 24 29.0–.60 37.54N 23.88E 157–8 4.4W ¶610434518
ATH III 24 04 24 30.2 37.57N 23.89E 165–1 4.4L
NEIC III 24 04 24 30.8–1.6 37.60N–.06 23.91E–.07 168–7 4.6b
IDC III 24 04 24 30.7–.88 37.66N 23.99E 162–8 4.5,4.1b
PDG III 24 04 24 30.4–.48 37.56N 23.83E 180–1 4.7L,4.1b
ISK III 24 04 24 30.2 37.55N 23.92E 166–2 4.1L,4.1b
MOS III 24 04 24 31.2–.91 37.69N 24.03E 176 4.4b,4.1b
BEO III 24 04 24 31.6–.70 37.74N 23.54E 8–7 3.9L,4.1b
THE III 24 04 24 32.6 37.54N 23.88E 150–31 4.4L,4.1b
DDA III 24 04 24 34.0–.00 37.68N 23.99E 102–38 4.2W,4.1b
GII III 24 04 24 35.2–.00 36.82N 24.87E 5 4.3b,4.2
ISC Event type ke. Moment Tensor Solution. NP1:ϕ_s143.81908°,δ70.93333°,λ-169.55257°. NP2: ϕ_s50.37206°,δ80.13163°,λ-19.36435°. Principal axes: T Plg6.3039°,Azm98.2151° ; N Plg68.3524°,Azm204.3762°; P Plg20.6205°,Azm5.8328°
MED_R Error ellipse: s-maj=6.7km s-min=4.4km az=-1.0. nsta1 refers to body waves. nsta2 refers to surface waves, cutoff=35s. Moment Tensor Solution. Mantle waves: s13,c17;Duration: 1s0 Moment tensor: Scale 10^{15}Nm; M_{rr}-1.57±.33 $M_{\theta\theta}$-2.80±.34; $M_{\phi\phi}$4.37±.33; $M_{r\theta}$-1.85±.34; $M_{\theta\phi}$-0.10±.36; $M_{\phi r}$-0.75±.41; Best double couple: NP1:ϕ_s38.00000°,δ71.00000°,λ-33.00000°. NP2:ϕ_s140.00000°,δ59.00000°,λ-158.00000°. Principal axes: T 4.4600,Plg7.0000° ,Azm91.0000°; N -0.3000,Plg53.0000°,Azm191.0000°; P -4.1700,Plg36.0000° ,Azm356.0000° $M_0$4.32000×10^{15}
ATH Event type ke. Error ellipse: s-maj=1.4km s-min=0.7km az=264.0.
NEIC Event type se. Error ellipse: s-maj=9.7km s-min=8.2km az=204.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=9.2km s-min=8.2km az=156.0.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=0.7km az=0.0.
ISK Event type ke.
MOS Error ellipse: s-maj=5.3km s-min=3.0km az=97.2.
BEO Event type ke.
THE Event type ke. Error ellipse: s-maj=31.6km s-min=1.0km az=0.0.
GII Event type ke.
ISC III 24 17 42 40.5–.93 36.08N–.04 22.23E–.04 10 56 1-46
IDC III 24 17 42 35.9–7.6 35.63N 21.71E 0 4.1b,3.9 ¶610543611
ATH III 24 17 42 39.6 36.09N 22.22E 11–2 3.2L,3.9
THE III 24 17 42 40.8 36.12N 22.27E 3–1 3.1L,3.9
ISC Event type ke.
IDC Error ellipse: s-maj=140.8km s-min=43.4km az=31.0.
ATH Event type ke. Error ellipse: s-maj=2.5km s-min=0.8km az=50.0.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.5km az=35.0.
ISC III 31 15 12 38.5–1.4 36.64N–.04 21.20E–.04 15–8 3.8b 82 1-121
IDC III 31 15 12 37.4–1.8 36.86N 21.46E 0 3.7b,3.6 ¶616204809
ATH III 31 15 12 40.9 36.67N 21.26E 4–1 3.4L,3.6
THE III 31 15 12 41.2 36.69N 21.32E 2–1 3.4L,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=38.5km s-min=20.0km az=42.0.
ATH Event type ke. Error ellipse: s-maj=2.7km s-min=0.9km az=28.0.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.8km az=25.0.
ISC IV 03 08 35 25.1–.66 36.96N–.02 23.18E–.03 79–5 3.5b 202 0-75
ISK IV 03 08 35 25.6 36.95N 23.23E 79–0 3.5L ¶610651819
ATH IV 03 08 35 26.9 36.97N 23.19E 73–2 3.6L
IDC IV 03 08 35 26.1–1.6 36.92N 23.44E 95–21 3.7,3.3b
THE IV 03 08 35 27.2 36.97N 23.20E 65–1 3.5L,3.3b
HLW IV 03 08 35 30.6 36.41N 23.47E 25–39 4.2L,4.0
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.0km s-min=0.8km az=242.0.
IDC Error ellipse: s-maj=19.1km s-min=15.0km az=106.0.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.5km az=255.0.
ISC IV 09 11 47 00.4–.71 36.56N–.02 22.95E–.02 17–4 3.7b 191 0-120
IDC IV 09 11 47 00.4–.83 36.59N 23.01E 0 3.8,3.8b ¶610652297
ISK IV 09 11 47 01.0 36.65N 23.03E 2–0 3.7L,3.8b
THE IV 09 11 47 03.4 36.55N 22.93E 7–0 3.7L,3.8b
ATH IV 09 11 47 03.9 36.56N 22.98E 12–1 3.7L,3.8b
ISC Event type ke.
IDC Error ellipse: s-maj=19.9km s-min=15.3km az=32.0.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.5km az=247.0.
ATH Event type ke. Error ellipse: s-maj=1.3km s-min=0.6km az=254.0.
ATH IV 22 01 29 21.7 36.25N 22.09E 5–1 2.6L
¶617153885
ATH Event type ke. Error ellipse: s-maj=2.6km s-min=0.8km az=42.0.
ISC IV 24 14 45 13.3–.95 37.87N–.02 21.09E–.02 17–6 4.0b 201 0-122
BEO IV 24 14 45 09.1–2.7 37.15N 20.77E 72–8 3.6L ¶610548736
IDC IV 24 14 45 10.8–.96 37.93N 21.08E 0 3.8b,3.7
NEIC IV 24 14 45 12.9–1.8 37.82N–.06 21.06E–.04 10–1 4.4b,3.7
ATH IV 24 14 45 13.6 37.86N 21.11E 18–1 3.9L,3.7
THE IV 24 14 45 13.7 37.87N 21.10E 19–2 3.9L,3.7
ISC Event type ke.
BEO Event type ke.
IDC Error ellipse: s-maj=19.4km s-min=17.8km az=88.0.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=4.0km az=201.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ATH Event type ke. Error ellipse: s-maj=1.8km s-min=0.8km az=182.0.
THE Event type ke. Error ellipse: s-maj=2.0km s-min=0.5km az=336.0.
ISC V 07 18 14 58.0–.86 37.81N–.02 21.17E–.02 15–6 3.5b 112 0-46
IDC V 07 18 14 55.3–1.4 37.87N 21.27E 0 3.5b,3.4L ¶610689747
ATH V 07 18 14 57.5 37.83N 21.16E 11–2 3.3L,3.4L
THE V 07 18 14 57.9 37.81N 21.16E 0–1 3.2L,3.4L
ISC Event type ke.
IDC Error ellipse: s-maj=42.9km s-min=23.2km az=148.0.
ATH Event type ke. Manual Solution by N.Liadopoulou ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.3km az=188.0.
ATH V 09 23 16 47.0 37.02N 21.61E 18–1 1.8L
¶616764072
ATH Event type ke. Manual Solution by G.Panopoulou ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 2 km.
ISC V 17 16 34 21.4–.96 37.77N–.02 22.12E–.03 8–7 3.6b 119 0-77
ISK V 17 16 34 20.6 37.77N 22.17E 8–0 3.4L ¶610667693
IDC V 17 16 34 20.1–.94 37.73N 22.21E 0 3.8L,3.6
THE V 17 16 34 21.2 37.77N 22.09E 10–1 3.4L,3.6
NEIC V 17 16 34 22.2–2.6 37.76N–.02 22.14E–.07 10–2 4.2b,3.6
DDA V 17 16 34 25.0–.00 37.86N 22.24E 15 3.4W,3.6
ISC Event type ke.
ISK Event type ke.
IDC Error ellipse: s-maj=18.5km s-min=17.5km az=148.0.
THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.4km az=307.0.
NEIC Event type se. Error ellipse: s-maj=9.7km s-min=3.1km az=280.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 18 08 14 16.5–.89 38.00N–.02 23.97E–.03 13–4 84 0-2
ATH V 18 08 14 16.1 38.00N 23.95E 17–0 3.1L ¶611016220
THE V 18 08 14 16.7 38.00N 23.99E 6–1 3.1L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.4km s-min=0.9km az=288.0. ML Amplitudes are expressed in micrometers.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.6km az=299.0.
ISC V 22 03 13 42.0–.89 37.57N–.02 21.76E–.03 12–7 60 0-2
ATH V 22 03 13 41.9 37.58N 21.76E 8–1 1.9L ¶611016330
THE V 22 03 13 42.2 37.56N 21.78E 14–1 2.0L
ISC Event type ke.
ATH Event type ke. Manual Solution by N.Liadopoulou First location: 2019/10/15 09:41:27, ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 0 km.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.5km az=238.0.
ISC V 23 14 30 26.0–1.6 36.22N–.05 22.65E–.05 9–11 3.8b 21 0-46
THE V 23 14 30 26.2 36.17N 22.62E 8–1 3.1L ¶610685226
IDC V 23 14 30 36.1–5.3 36.28N 22.51E 96–46 3.6,3.2b
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.8km az=47.0.
IDC Error ellipse: s-maj=83.2km s-min=27.2km az=178.0.
ATH V 28 06 50 27.2 37.10N 22.00E 16–1 2.2L
THE V 28 06 50 27.2 37.14N 21.97E 4–1 2.1L ¶611016523
ATH Event type ke. Manual Solution by N.Liadopoulou First location: 2019/10/15 05:13:14, ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 0 km.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.5km az=283.0.
ATH VI 04 22 56 06.5 37.58N 21.64E 4–2 1.4L
¶616764392
ATH Event type ke. Manual Solution by F.Xalaris First location: 2019/10/18 22:38:27, ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 1 km.
ATH VI 05 01 18 51.2 37.57N 21.23E 26–3 1.1L
¶616764425
ATH Event type ke. Manual Solution by F.Xalaris First location: 2019/10/20 13:57:24, ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 0 km; Longitude uncertainty: 1 km.
ISC VI 16 23 42 43.4–.48 36.83N–.03 22.92E–.03 65–4 4.8b 1313 0-159
NAO VI 16 23 42 31.7 35.79N 22.49E 33 4.6b ¶610678725
BEO VI 16 23 42 32.9–.90 35.72N 22.54E 126–6 4.9L
TIR VI 16 23 42 41.0 36.89N 22.80E 56–57 5.4,5.0L
IDC VI 16 23 42 42.8–.92 36.84N 23.04E 60–8 4.8,4.6b
MOS VI 16 23 42 43.4–1.0 36.83N 22.95E 78 5.1b,4.6b
ISK VI 16 23 42 44.1 37.11N 23.33E 5–0 4.4L,4.6b

NEIC VI 16 23 42 44.7 36.82N 23.01E 73 4.4L,4.6b
NEIC VI 16 23 42 45.0–1.3 36.85N–.06 22.99E–.06 75–5 4.8b,4.4
THE VI 16 23 42 45.6 36.81N 23.08E 52–2 4.9L,4.4
ATH VI 16 23 42 45.4 36.81N 23.02E 59–2 4.8L,4.4
MED_R VI 16 23 42 45.0–.40 36.79N 23.06E 75–3 4.6W,4.4
PDG VI 16 23 42 46.6–.69 36.80N 22.98E 52–3 4.9L,4.4
BGR VI 16 23 42 46.6 37.08N 22.48E 33 4.5b,4.4
GII VI 16 23 42 51.5–.00 36.14N 24.14E 1–0 4.7b,4.7
ISC Event type ke.
BEO Event type ke.
IDC Error ellipse: s-maj=10.7km s-min=7.3km az=47.0.
MOS Error ellipse: s-maj=4.6km s-min=2.8km az=81.1.
ISK Event type ke.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=8.8km s-min=5.5km az=208.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-1.68 $M_{\theta\theta}$-0.93 $M_{\phi\phi}$2.61 $M_{r\theta}$3.45 $M_{\theta\phi}$-4.09 $M_{\phi r}$0.11 NP1:ϕ_s287.09000°,δ76.22000°,λ-140.89000°. NP2:ϕ_s186.13000° ,δ52.22000°,λ-17.54000°. Principal axes: T 5.7913,Plg15.0000°,Azm52.0000° ; N 0.0544,Plg49.0000°,Azm303.0000°; P -5.8457,Plg37.0000°,Azm154.0000° $M_0$5.82000×10^{15}
THE Event type ke. Error ellipse: s-maj=2.6km s-min=0.9km az=236.0.
ATH Event type ke. Error ellipse: s-maj=2.1km s-min=0.8km az=230.0. ML Amplitudes are expressed in micrometers.
MED_R Error ellipse: s-maj=3.3km s-min=3.3km az=-1.0. nsta1 refers to body waves. nsta2 refers to surface waves, cutoff=35s. Moment Tensor Solution. Mantle waves: s19,c33;Duration: 1^{s}1 Moment tensor: Scale 10^{16}Nm; M_{rr}0.67±.05 $M_{\theta\theta}$-0.81±.06; $M_{\phi\phi}$0.14±.05; $M_{r\theta}$0.36±.04; $M_{\theta\phi}$-0.36±.06; $M_{\phi r}$-0.17±.03; Best double couple: NP1:ϕ_s94.00000°,δ60.00000°,λ118.00000°. NP2:ϕ_s227.00000°,δ41.00000°,λ51.00000°. Principal axes: T 0.8500,Plg63.0000° ,Azm53.0000°; N 0.1400,Plg24.0000°,Azm258.0000°; P -0.9800,Plg10.0000°,Azm164.0000° $M_0$0.91000×10^{16}
PDG Event type ke. Error ellipse: s-maj=0.9km s-min=1.1km az=0.0.
BGR Event type ke.
GII Event type ke.
ISC VI 19 17 21 31.6–1.8 37.59N–.05 23.99E–.05 158–11 57 0-3
ISK VI 19 17 21 32.4 37.62N 24.07E 138–4 3.2L **¶611017463**
THE VI 19 17 21 33.9 37.56N 23.89E 149–1 3.0L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=2.0km s-min=1.2km az=79.0.
ISC VI 22 07 20 17.6–.90 37.78N–.03 21.28E–.02 25–7 3.7b 65 0-46
IDC VI 22 07 20 14.2–2.8 37.90N 21.28E 0 3.7,3.7b **¶610789253**
ATH VI 22 07 20 17.8 37.77N 21.28E 18–1 3.0L,3.7b
THE VI 22 07 20 18.0 37.79N 21.29E 18–1 3.0L,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=349.4km s-min=28.2km az=137.0.
ATH Event type ke. Error ellipse: s-maj=1.6km s-min=0.9km az=120.0. ML Amplitudes are expressed in micrometers.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.6km az=158.0.
ISC VI 27 22 02 12.4–.91 37.12N–.03 21.52E–.03 23–7 3.7b 97 0-46
NEIC VI 27 22 02 10.8–2.8 37.01N–.05 21.47E–.05 4–3 4.2b **¶610789601**
THE VI 27 22 02 12.4 37.14N 21.50E 14–1 3.5L
DDA VI 27 22 02 14.6–.00 37.19N 22.09E 7–2 3.6W
IDC VI 27 22 02 16.2–1.9 37.17N 21.52E 59–24 3.6,3.4b
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=8.1km s-min=5.7km az=155.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.4km az=195.0.
IDC Error ellipse: s-maj=19.3km s-min=12.5km az=12.0.

(369) Dodecanese Islands.

ISC I 01 06 47 07.9–1.2 36.32N–.03 27.86E–.02 76–6 111 0-5
ISK I 01 06 47 08.1 36.37N 27.80E 72–0 3.0L **¶610074503**
ATH I 01 06 47 09.8 36.40N 27.80E 62–4 2.9L
DDA I 01 06 47 09.8–.00 36.46N 27.82E 53–4 2.9L
THE I 01 06 47 10.1 36.36N 27.81E 64–1 2.5L
NIC I 01 06 47 11.3–.00 35.97N 28.12E 47–2 3.8L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=4.1km s-min=1.8km az=98.0.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.6km az=78.0.
NIC Event type ke.
ISC I 02 14 24 00.0–1.7 35.08N–.09 27.08E–.06 13–10 3.2b 22 0-43
ATH I 02 14 23 54.8 34.73N 27.27E 7–3 3.0L **¶610236472**
THE I 02 14 23 58.7 34.94N 27.05E 0–1 2.8L
IDC I 02 14 23 59.6–1.8 34.95N 27.24E 0 3.6L,3.3b
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=4.5km s-min=1.7km az=346.0.
THE Event type ke. Error ellipse: s-maj=4.2km s-min=1.1km az=149.0.
IDC Error ellipse: s-maj=41.9km s-min=22.5km az=164.0.
ISK I 03 09 01 21.4 36.93N 28.79E 2–0 1.3L
¶610912413
ISK Event type ke.
ISC I 04 22 06 53.5–1.0 36.98N–.02 26.47E–.02 10–10 58 0-3
ISK I 04 22 06 52.7 36.91N 26.45E 8–0 2.8L **¶610678805**
DDA I 04 22 06 52.5–.00 37.02N 26.35E 8–3 2.6L
ATH I 04 22 06 53.8 36.96N 26.49E 26–12 2.7L
THE I 04 22 06 53.5 36.96N 26.48E 6–3 2.6L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=12.3km s-min=1.2km az=112.0.
THE Event type ke. Error ellipse: s-maj=4.0km s-min=0.6km az=142.0.
ISC I 05 14 05 03.0–.47 36.42N–.03 26.86E–.03 125–4 4.1b 579 0-80
BGR I 05 14 04 54.9 36.06N 27.66E 100 4.2b **¶609997966**
IDC I 05 14 05 03.9–.66 36.46N 26.78E 126–9 4.3,3.9b
NEIC I 05 14 05 03.6–2.7 36.44N–.08 26.80E–.06 132–4 4.4b,3.9b
ISK I 05 14 05 04.8 36.51N 26.80E 122–0 4.3L,3.9b
HLW I 05 14 05 04.4 36.30N 27.01E 24–25 4.8L,4.6
MOS I 05 14 05 04.0–.95 36.46N 26.86E 144 4.0b,4.6
ATH I 05 14 05 05.7 36.50N 26.82E 115–1 4.5L,4.6
GII I 05 14 05 07.0–.00 35.95N 27.12E 20 4.4,4.3b
MED_R I 05 14 05 08.0–.90 36.47N 26.80E 156–8 4.5W,4.3b
THE I 05 14 05 08.6 36.47N 26.80E 98–1 4.3L,4.3b
DDA I 05 14 05 08.8–.00 36.52N 26.79E 58–6 4.2W,4.3b
ISC Event type ke.
BGR Event type ke.
IDC Error ellipse: s-maj=12.5km s-min=7.6km az=163.0.
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=6.7km az=191.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISK Event type ke.
MOS Error ellipse: s-maj=6.0km s-min=3.6km az=107.9.
ATH Event type ke. Error ellipse: s-maj=2.0km s-min=1.0km az=100.0.
GII Event type ke.
MED_R nsta1 refers to body waves. nsta2 refers to surface waves, cutoff=35s. Moment Tensor Solution. Mantle waves: s7,c7;Duration: 1^{s}0 Moment tensor: Scale 10^{15}Nm; M_{rr}-1.01±.73 $M_{\theta\theta}$3.05±1.44; $M_{\phi\phi}$-2.04±1.13; $M_{r\theta}$2.73±.72; $M_{\theta\phi}$4.78±.87; $M_{\phi r}$-2.61±.77; Best double couple: NP1:ϕ_s281.00000°,δ76.00000°,λ-30.00000°. NP2:ϕ_s19.00000°,δ61.00000°,λ-164.00000°. Principal axes: T 6.0900,Plg10.0000°,Azm332.0000°; N 1.0200,Plg57.0000°,Azm77.0000° ; P -7.1100,Plg31.0000°,Azm236.0000° $M_0$6.60000×10^{15}
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.5km az=31.0.
ISC I 15 14 02 04.4–1.1 35.83N–.02 27.11E–.02 6–9 3.5b 109 0-58
IDC I 15 14 02 03.0–1.2 35.68N 27.06E 0 3.4,3.4b **¶610237441**
ISK I 15 14 02 04.3 35.84N 27.08E 5–0 3.2L,3.4b
THE I 15 14 02 05.0 35.87N 27.08E 4–2 3.2L,3.4b
ATH I 15 14 02 05.6 35.86N 27.06E 12–4 3.4L,3.4b
DDA I 15 14 02 08.8–.00 36.05N 27.37E 12–3 3.4W,3.4b
ISC Event type ke.
IDC Error ellipse: s-maj=27.5km s-min=15.5km az=175.0.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=2.6km s-min=0.7km az=122.0.
ATH Event type ke. Error ellipse: s-maj=4.5km s-min=1.8km az=133.0.
ISC I 15 20 16 03.7–.98 36.38N–.04 27.44E–.04 103–8 91 0-11
ISK I 15 20 16 04.3 36.48N 27.34E 99–1 2.9L **¶610679015**
ATH I 15 20 16 05.2 36.46N 27.38E 94–6 3.0L
DDA I 15 20 16 05.0–.00 36.28N 27.31E 36–7 2.4L
THE I 15 20 16 06.0 36.47N 27.34E 104–2 3.1L
GII I 15 20 16 09.6–.85 35.96N 27.69E 40 3.1L
HLW I 15 20 16 10.1 35.94N 27.99E 17–25 4.1,3.9L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=7.4km s-min=2.2km az=128.0.
THE Event type ke. Error ellipse: s-maj=2.3km s-min=0.9km az=27.0.
GII Event type ke.
ISC I 16 22 11 26.1–1.2 36.11N–.03 28.05E–.03 72–8 86 0-9
ISK I 16 22 11 26.1 36.20N 27.94E 75–1 2.9L **¶610679032**
ATH I 16 22 11 26.5 36.19N 28.00E 77–3 3.0L
THE I 16 22 11 27.9 36.17N 27.99E 71–1 2.7L
DDA I 16 22 11 27.9–.00 36.30N 27.96E 54–4 2.7L
GII I 16 22 11 31.1–.66 35.73N 28.30E 75 2.7L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.3km s-min=1.3km az=7.0.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.6km az=113.0.
GII Event type ke.
ISC I 20 08 39 34.6–1.1 36.57N–.03 28.37E–.03 50 89 0-9
DDA I 20 08 39 33.7–.00 36.61N 28.26E 53–5 3.5W **¶610679089**
ATH I 20 08 39 33.9 36.42N 28.19E 66–3 2.9L
GII I 20 08 39 34.7–.77 37.41N 30.69E 45 3.1
THE I 20 08 39 34.9 36.59N 28.37E 54–3 2.9L
ISK I 20 08 39 35.2 36.63N 28.32E 31–0 3.3L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=5.4km s-min=2.0km az=199.0.
GII Event type ke.
THE Event type ke. Error ellipse: s-maj=3.0km s-min=0.9km az=144.0.
ISK Event type ke.
ISC I 20 19 21 32.8–1.2 36.02N–.05 27.23E–.05 81–12 91 1-9
ISK I 20 19 21 34.1 36.09N 27.13E 27–0 3.0L **¶610679094**
ATH I 20 19 21 34.7 36.14N 27.13E 73–6 2.9L
HLW I 20 19 21 35.9 35.79N 27.35E 33–31 3.5L
DDA I 20 19 21 35.4–.00 36.21N 27.31E 70–2 2.5L
THE I 20 19 21 36.2 36.11N 27.11E 37–14 2.9L
GII I 20 19 21 42.7–.34 35.30N 27.68E 35 2.9L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=7.1km s-min=1.4km az=24.0.
THE Event type ke. Error ellipse: s-maj=14.9km s-min=1.0km az=60.0.
GII Event type ke.
ISC I 22 03 59 59.1–1.4 36.56N–.05 26.40E–.04 16–10 48 1-3
ATH I 22 04 00 00.8 36.54N 26.36E 97–15 2.4L **¶610679120**
ISK I 22 04 00 01.1 36.45N 26.43E 100–1 2.5L
THE I 22 04 00 01.8 36.55N 26.39E 95–10 2.4L
DDA I 22 04 00 02.6–.00 36.33N 27.03E 6–4 2.3L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=16.9km s-min=1.9km az=161.0.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=10.5km s-min=0.9km az=159.0.
ISC I 25 01 19 33.0–.66 36.74N–.02 27.67E–.01 11–4 3.9b,3.5s 347 0-84
IDC I 25 01 19 31.0–.72 36.68N 27.68E 0 3.9b,3.8 **¶610114477**
DDA I 25 01 19 32.4–.00 36.75N 27.66E 19–1 4.3W,3.8
THE I 25 01 19 32.9 36.79N 27.67E 2–1 3.7L,3.8
NEIC I 25 01 19 33.6–1.5 36.77N–.04 27.66E–.06 11–6 4.0b,3.8
ATH I 25 01 19 33.6 36.76N 27.69E 15–1 3.7L,3.8
ISK I 25 01 19 33.1 36.80N 27.66E 8–0 4.2L,3.8
GII I 25 01 19 39.1–.00 36.19N 27.81E 20 4.2b,4.1
HLW I 25 01 19 44.0 36.07N 28.19E 22–30 5.1,4.8L
ISC Event type ke.
IDC Error ellipse: s-maj=15.4km s-min=12.9km az=170.0.
THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.4km az=173.0.
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=4.7km az=47.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ATH Event type ke. Error ellipse: s-maj=1.7km s-min=0.5km az=204.0.
ISK Event type ke.
GII Event type ke.
ISC I 25 02 01 56.4–1.4 36.78N–.06 27.74E–.05 13–10 20 0-2
DDA I 25 02 01 55.6–.00 36.74N 27.71E 7–1 2.2L **¶610913300**
ISK I 25 02 01 57.3 36.84N 27.76E 27–0 2.5L
ISC Event type ke.
ISK Event type ke.
ATH I 27 20 50 04.8 36.17N 27.66E 6–2 2.9L
ISK I 27 20 50 01.9 36.02N 27.64E 5–0 3.2L **¶610679228**
DDA I 27 20 50 03.5–.00 36.12N 27.66E 5–2 3.4L
THE I 27 20 50 04.4 36.14N 27.70E 0–1 2.9L
ATH Event type ke. Error ellipse: s-maj=4.3km s-min=1.3km az=10.0.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=1.2km az=176.0.
ISC I 30 10 52 32.5–1.3 36.07N–.04 27.12E–.03 21–5 50 1-2
DDA I 30 10 52 31.9–.00 35.96N 27.35E 4–3 2.4L **¶610679307**
ISK I 30 10 52 31.1 36.02N 27.17E 10–0 2.7L
ATH I 30 10 52 32.5 36.06N 27.21E 24–8 2.7L
THE I 30 10 52 33.0 36.08N 27.17E 20–4 2.6L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=9.6km s-min=1.1km az=34.0.
THE Event type ke. Error ellipse: s-maj=4.8km s-min=1.2km az=17.0.
ISC I 30 16 23 34.3–1.1 36.15N–.04 27.71E–.03 16–8 59 0-3
ISK I 30 16 23 33.0 36.07N 27.71E 21–0 3.0L **¶610679312**
DDA I 30 16 23 33.8–.00 36.15N 27.68E 10–3 2.9L
THE I 30 16 23 34.7 36.19N 27.70E 0–3 2.8L
ATH I 30 16 23 35.7 36.18N 27.78E 18–4 2.7L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=5.1km s-min=2.2km az=232.0.
ATH Event type ke. Error ellipse: s-maj=5.8km s-min=1.6km az=29.0.
ISC II 03 01 14 47.4–1.4 35.64N–.05 27.58E–.04 34–3 45 1-4
DDA II 03 01 14 46.4–.00 35.71N 27.35E 38–1 2.5L **¶610679368**
ATH II 03 01 14 47.5 35.67N 27.64E 62–7 2.8L
THE II 03 01 14 47.1 35.73N 27.45E 0–1 2.6L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=7.2km s-min=1.5km az=100.0.
THE Event type ke. Error ellipse: s-maj=2.4km s-min=0.9km az=140.0.
ISC II 03 05 07 54.0–1.2 35.59N–.04 27.60E–.03 16–9 62 1-3
DDA II 03 05 07 52.5–.00 35.50N 27.52E 7–2 3.0L **¶610679373**
ISK II 03 05 07 54.7 35.59N 27.55E 24–0 3.1L
ATH II 03 05 07 55.5 35.50N 27.72E 13–3 2.9L
THE II 03 05 07 56.2 35.67N 27.50E 6–3 2.9L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=5.2km s-min=1.7km az=343.0.
THE Event type ke. Error ellipse: s-maj=4.2km s-min=0.9km az=129.0.
ISC II 03 05 37 44.9–1.1 35.55N–.03 27.61E–.03 30–12 122 1-8
DDA II 03 05 37 41.9–.00 35.47N 27.40E 7–4 3.8W **¶610184308**
ISK II 03 05 37 44.5 35.56N 27.60E 24–0 3.7L
NIC II 03 05 37 44.2–.00 35.43N 27.76E 18–1 4.2L
THE II 03 05 37 46.7 35.63N 27.67E 85–9 3.5L
ATH II 03 05 37 46.3 35.63N 27.58E 23–4 3.5L
ISC Event type ke.
ISK Event type ke.
NIC Event type ke.

THE Event type ke. Error ellipse: s-maj=9.4km s-min=1.5km az=74.0.
ATH Event type ke. Error ellipse: s-maj=4.5km s-min=1.6km az=63.0.
ISK II 03 06 33 37.8 35.59N 27.65E 70–2 2.6L
¶610913849
ISK Event type ke.
ISC II 03 10 50 27.2–1.1 36.33N–.03 28.54E–.03 60–7 130 0-9
DDA II 03 10 50 27.0–.00 36.36N 28.51E 54–2 3.6W **¶610679380**
ISK II 03 10 50 27.7 36.41N 28.50E 58–1 3.4L
ATH II 03 10 50 27.3 36.45N 28.57E 67–6 3.1L
THE II 03 10 50 28.6 36.38N 28.50E 61–4 3.2L
GII II 03 10 50 32.2–.00 35.71N 29.15E 1 2.9
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=6.6km s-min=1.9km az=203.0.
THE Event type ke. Error ellipse: s-maj=4.6km s-min=1.7km az=213.0.
GII Event type ke.
ISC II 05 01 59 33.4–1.1 35.59N–.05 27.63E–.04 24–11 58 0-2
ISK II 05 01 59 31.7 35.53N 27.66E 24–0 2.7L **¶610679404**
ATH II 05 01 59 33.1 35.51N 27.67E 17–2 2.7L
THE II 05 01 59 33.4 35.56N 27.65E 11–1 2.7L
DDA II 05 01 59 36.0–.00 35.75N 27.70E 58–31 2.3L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=4.9km s-min=1.1km az=318.0.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.6km az=325.0.
ISK II 05 14 57 22.9 35.87N 27.19E 54–2 2.2L
DDA II 05 14 57 38.1–.00 37.04N 27.68E 7–29 1.4L **¶610914034**
ISK Event type ke.
ISC II 06 20 34 50.0–1.1 36.00N–.02 27.22E–.02 11–8 3.9b 188 0-81
IDC II 06 20 34 48.3–.91 36.00N 27.19E 0 3.9b,3.8 **¶610198740**
ISK II 06 20 34 49.8 36.05N 27.13E 11–0 3.7L,3.8
DDA II 06 20 34 50.7–.00 36.01N 27.22E 11–1 3.8W,3.8
THE II 06 20 34 50.8 36.03N 27.18E 5–1 3.5L,3.8
NIC II 06 20 34 51.3–.00 35.99N 27.27E 18–1 3.7L,3.8
ATH II 06 20 34 51.3 36.03N 27.18E 13–1 3.7L,3.8
GII II 06 20 34 52.0–.46 35.87N 27.17E 60 3.8,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=24.6km s-min=13.9km az=154.0.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.5km az=102.0.
NIC Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.3km s-min=0.8km az=80.0.
GII Event type ke.
ISC II 07 08 44 49.6–1.1 37.80N–.03 25.99E–.02 11–10 44 1-2
ISK II 07 08 44 48.8 37.80N 25.99E 3–0 2.8L **¶610679491**
ATH II 07 08 44 49.7 37.81N 26.02E 10–4 2.7L
THE II 07 08 44 50.6 37.75N 26.06E 16–3 2.6L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=5.5km s-min=1.3km az=154.0.
THE Event type ke. Error ellipse: s-maj=3.7km s-min=0.7km az=130.0.
ISC II 15 07 36 41.6–.68 36.26N–.04 26.79E–.04 133–6 3.8b 159 1-65
ATH II 15 07 36 41.2 36.33N 26.71E 148–5 3.6L **¶610415550**
IDC II 15 07 36 41.6–.78 36.22N 26.73E 129–10 3.9,3.6s
ISK II 15 07 36 42.2 36.31N 26.73E 130–1 3.5L,3.6s
GII II 15 07 36 43.5–.42 36.00N 26.97E 40–0 3.8,3.6
DDA II 15 07 36 44.5–.00 36.36N 27.04E 23–4 3.1L,3.6
THE II 15 07 36 44.0 36.31N 26.71E 153–4 3.7L,3.6
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=5.5km s-min=1.4km az=198.0.
IDC Error ellipse: s-maj=20.0km s-min=9.5km az=162.0.
ISK Event type ke.
GII Event type ke.
THE Event type ke. Error ellipse: s-maj=4.2km s-min=0.8km az=132.0.
ISK II 15 15 40 43.9 36.23N 28.64E 27–0 2.6L
DDA II 15 15 40 43.8–.00 36.25N 28.62E 7–5 2.3L **¶610916652**
ISK Event type ke.
ISC II 20 06 31 33.0–1.1 36.00N–.02 27.59E–.02 6–10 76 0-4
ISK II 20 06 31 32.8 36.04N 27.61E 6–0 2.9L **¶610679956**
THE II 20 06 31 33.5 36.00N 27.65E 2–4 2.9L
ATH II 20 06 31 34.0 36.01N 27.66E 8–2 2.8L
DDA II 20 06 31 34.4–.00 36.05N 27.62E 19–1 3.6W
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=4.1km s-min=1.2km az=84.0.
ATH Event type ke. Error ellipse: s-maj=2.4km s-min=1.0km az=10.0.
ISC II 20 19 41 22.5–.80 37.66N–.02 26.90E–.02 13–5 86 0-3
DDA II 20 19 41 22.9–.00 37.66N 26.92E 7–2 2.6L **¶610679970**
ISK II 20 19 41 22.7 37.65N 26.93E 8–0 2.6L
ATH II 20 19 41 23.2 37.67N 26.85E 12–0 2.8L
THE II 20 19 41 23.4 37.67N 26.92E 8–1 2.6L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.2km s-min=1.0km az=70.0.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.8km az=290.0.
ISC II 22 20 22 28.9–2.1 35.17N–.03 27.89E–.02 17–14 4.0b 181 1-42
GII II 22 20 22 24.9–.00 35.23N 27.87E 10 3.3 **¶610239755**
IDC II 22 20 22 26.5–1.1 35.35N 27.85E 0 3.9b,3.7
NIC II 22 20 22 30.3–.00 35.10N 27.81E 34–25 3.7L,3.7
ISK II 22 20 22 30.1 35.18N 27.86E 23–0 3.6L,3.7
DDA II 22 20 22 31.0–.00 35.36N 27.69E 41–4 3.7W,3.7
ATH II 22 20 22 31.4 35.19N 27.86E 14–1 3.3L,3.7
THE II 22 20 22 32.8 35.26N 27.80E 14–1 3.2L,3.7
ISC Event type ke.
GII Event type ke.
IDC Error ellipse: s-maj=22.0km s-min=15.6km az=173.0.
NIC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.9km s-min=0.9km az=329.0.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.7km az=319.0.
ISC II 26 12 55 23.3–.90 36.94N–.03 28.75E–.02 10–7 47 0-34
IDC II 26 12 55 20.9–2.0 36.99N 28.53E 0 3.7b,3.5 **¶610385062**
ISK II 26 12 55 21.9 36.97N 28.76E 1–0 3.1L,3.5
DDA II 26 12 55 22.7–.00 36.93N 28.77E 7–2 3.0L,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=64.1km s-min=23.1km az=140.0.
ISK Event type ke.
ISC II 26 20 12 10.1–1.0 37.02N–.02 26.66E–.02 16–9 61 0-3
ISK II 26 20 12 09.0 36.88N 26.48E 8–0 2.3L **¶610680131**
THE II 26 20 12 10.8 37.00N 26.64E 6–1 2.5L
ATH II 26 20 12 11.1 37.00N 26.64E 11–1 2.7L
DDA II 26 20 12 11.9–.00 37.04N 26.73E 15–1 2.3L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.4km az=81.0.
ATH Event type ke. Error ellipse: s-maj=2.0km s-min=0.9km az=71.0.
ISC II 27 02 16 00.7–.93 36.94N–.02 28.80E–.02 10–7 3.5b 125 0-34
IDC II 27 02 15 59.9–1.1 36.93N 28.79E 0 3.6,3.6b **¶610385090**
ISK II 27 02 16 00.4 36.94N 28.77E 6–0 3.0L,3.6b
DDA II 27 02 16 00.4–.00 36.96N 28.76E 29–1 3.0L,3.6b
ATH II 27 02 16 01.8 36.95N 28.78E 5–3 2.9L,3.6b
THE II 27 02 16 01.5 36.90N 28.73E 0–1 2.9L,3.6b
GII II 27 02 16 03.2–.00 36.61N 28.87E 5 3.2,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=20.0km s-min=17.1km az=159.0.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.5km s-min=1.3km az=142.0.
THE Event type ke. Error ellipse: s-maj=2.0km s-min=1.4km az=63.0.
GII Event type ke.
ISC III 01 15 30 43.3–1.2 35.25N–.04 27.17E–.03 9–8 3.3b 107 0-58
IDC III 01 15 30 42.8–1.1 35.54N 27.33E 0 3.4,3.4b **¶610545330**
THE III 01 15 30 43.3 35.26N 27.14E 0–1 3.3L,3.4b
ATH III 01 15 30 43.3 35.25N 27.20E 4–1 3.3L,3.4b
ISK III 01 15 30 43.1 35.28N 27.18E 7–0 3.3L,3.4b
DDA III 01 15 30 45.3–.00 35.37N 27.16E 8–2 3.6W,3.4b
ISC Event type ke.
IDC Error ellipse: s-maj=36.0km s-min=16.8km az=175.0.
THE Event type ke. Error ellipse: s-maj=2.6km s-min=0.8km az=143.0.
ATH Event type ke. Error ellipse: s-maj=2.2km s-min=0.9km az=322.0.
ISK Event type ke.
ISC III 05 03 53 00.3–1.1 37.64N–.02 26.57E–.02 7–9 149 0-41
DDA III 05 03 52 58.7–.00 37.59N 26.56E 3–2 3.0L **¶610545569**
ISK III 05 03 52 59.9 37.63N 26.55E 8–0 3.1L
THE III 05 03 53 00.7 37.68N 26.63E 5–1 3.0L
IDC III 05 03 53 00.4–2.0 37.03N 27.24E 0 3.2b,3.1
ATH III 05 03 53 01.0 37.66N 26.59E 10–1 2.9L,3.1
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.5km az=60.0.
IDC Error ellipse: s-maj=171.8km s-min=23.4km az=146.0.
ATH Event type ke. Error ellipse: s-maj=1.9km s-min=0.7km az=107.0.
ISC III 07 23 43 07.6–1.7 36.17N–.05 27.11E–.07 117–9 70 1-9
ISK III 07 23 43 08.4 36.29N 26.99E 100–0 2.9L **¶610680375**
ATH III 07 23 43 09.3 36.33N 26.90E 95–9 3.0L
THE III 07 23 43 10.4 36.28N 26.92E 95–6 3.1L
GII III 07 23 43 10.2–.00 35.82N 27.53E 1–1 3.3
DDA III 07 23 43 11.0–.00 36.32N 27.19E 97–3 2.5L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=10.0km s-min=2.2km az=133.0.
THE Event type ke. Error ellipse: s-maj=7.0km s-min=1.1km az=113.0.
GII Event type ke.
ISC III 10 02 27 18.5–.79 36.93N–.02 28.74E–.02 10 44 0-2
DDA III 10 02 27 17.7–.00 36.94N 28.73E 7–4 2.1L **¶610919949**
ISK III 10 02 27 17.9 36.92N 28.76E 6–0 2.2L
ISC Event type ke.
ISK Event type ke.
ISC III 14 01 28 38.7–.67 35.73N–.03 27.35E–.03 20–2 3.5b 127 0-75
IDC III 14 01 28 35.7–1.1 35.86N 27.30E 0 3.6b,3.5s **¶610329360**
DDA III 14 01 28 36.3–.00 35.78N 27.17E 14–1 3.3L,3.5s
NIC III 14 01 28 38.8–.00 35.75N 27.32E 24–7 4.3L,3.5s
ISK III 14 01 28 38.6 35.80N 27.26E 9–0 3.3L,3.5s
ATH III 14 01 28 39.5 35.75N 27.33E 15–1 3.3L,3.5s
THE III 14 01 28 39.5 35.75N 27.32E 5–1 3.0L,3.5s
ISC Event type ke.
IDC Error ellipse: s-maj=22.4km s-min=16.9km az=162.0.
NIC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.4km s-min=1.0km az=135.0.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.3km az=134.0.
ISC III 14 03 03 33.0–.74 36.13N–.03 28.35E–.02 58–6 3.9b 190 0-42
IDC III 14 03 03 33.4–1.8 36.14N 28.33E 62–24 4.0,4.0L **¶610328625**
DDA III 14 03 03 33.4–.00 36.25N 28.34E 58–2 3.8W,4.0L
ISK III 14 03 03 33.1 36.12N 28.27E 30–0 3.8L,4.0L
THE III 14 03 03 34.9 36.21N 28.29E 54–1 3.6L,4.0L
NIC III 14 03 03 34.3–.00 35.93N 28.39E 30–1 3.6L,4.0L
GII III 14 03 03 34.4–.63 36.05N 28.53E 60 3.6,4.0L
ATH III 14 03 03 34.4 36.24N 28.29E 57–2 3.8L,4.0L
ISC Event type ke.
IDC Error ellipse: s-maj=21.5km s-min=16.6km az=154.0.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.5km az=93.0.
NIC Event type ke.
GII Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.1km s-min=1.4km az=3.0.
ISC III 15 23 29 48.0–.76 35.89N–.02 27.62E–.02 23–5 4.3b 609 1-116
GII III 15 23 29 44.9–.00 35.86N 27.62E 17 3.9 **¶611832067**
DDA III 15 23 29 46.8–.00 35.92N 27.53E 27–1 4.4W
ISK III 15 23 29 47.3 35.94N 27.59E 15–0 4.5L
NIC III 15 23 29 47.3–.00 35.82N 27.72E 11–2 4.8L
MED_R III 15 23 29 47.0–.60 35.72N 27.69E 18–2 4.5W
MOS III 15 23 29 48.0–1.3 35.83N 27.57E 36 4.6b
THE III 15 23 29 48.0 35.93N 27.62E 2–1 4.1L
ATH III 15 23 29 48.3 35.95N 27.59E 8–1 4.2L
NEIC III 15 23 29 48.8–2.0 35.84N–.05 27.65E–.04 27–5 4.3b
IDC III 15 23 29 49.7–2.1 36.01N 27.50E 35–16 4.2,4.0b
ISC Event type ke.
GII Event type ke.
ISK Event type ke.
NIC Event type ke.
MED_R Error ellipse: s-maj=4.4km s-min=7.8km az=-1.0. nsta1 refers to body waves. nsta2 refers to surface waves, cutoff=35s. Moment Tensor Solution. Mantle waves: s10,c12;Duration: 1.0 Moment tensor: Scale 10^{15}Nm; M_{rr}-4.72±.79 $M_{\theta\theta}$0.20±.55; $M_{\phi\phi}$4.53±.50; $M_{r\theta}$-0.53±1.33; $M_{\theta\phi}$-2.05±.44; $M_{\phi r}$-3.52±.81; Best double couple: NP1:ϕ_s356.00000°,δ63.00000°,λ-72.00000°. NP2:ϕ_s141.00000°,δ32.00000°,λ-121.00000°. Principal axes: T 6.2500,Plg16.0000° ,Azm73.0000°; N -0.1100,Plg16.0000°,Azm167.0000°; P -6.1300,Plg67.0000° ,Azm299.0000° $M_0$6.19000×10^{15}
MOS Error ellipse: s-maj=5.9km s-min=3.6km az=91.1.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.5km az=352.0.
ATH Event type ke. Error ellipse: s-maj=1.7km s-min=0.8km az=69.0.
NEIC Event type se. Error ellipse: s-maj=8.0km s-min=4.2km az=157.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=14.6km s-min=9.1km az=157.0.
ISK III 18 00 48 41.9 36.87N 27.52E 5–0 1.8L
¶610920504
ISK Event type ke.
ISC III 20 01 44 53.4–1.0 37.37N–.02 26.99E–.03 12–8 42 0-2
ISK III 20 01 44 52.8 37.38N 26.98E 7–0 2.5L **¶610920663**
DDA III 20 01 44 53.1–.00 37.36N 26.99E 7–2 2.6L
ISC Event type ke.
ISK Event type ke.
ISC III 20 18 17 19.1–.86 36.96N–.02 28.10E–.02 14–7 43 0-1
DDA III 20 18 17 18.7–.00 36.96N 28.10E 7–3 1.6L **¶610920714**
ISK III 20 18 17 18.7 36.95N 28.09E 9–2 1.9L
ISC Event type ke.
ISK Event type ke.
ISC III 29 02 39 09.4–1.1 36.92N–.02 26.41E–.03 14–9 55 0-2
DDA III 29 02 39 07.9–.00 36.90N 26.33E 7–4 2.2L **¶610680780**
ATH III 29 02 39 09.6 36.93N 26.38E 12–4 2.5L
THE III 29 02 39 09.8 36.93N 26.41E 10–1 2.3L
ISK III 29 02 39 11.3 36.95N 26.62E 20–0 2.2L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=4.8km s-min=1.3km az=62.0.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.9km az=49.0.
ISK Event type ke.
ISC III 29 02 44 07.2–.90 37.49N–.02 26.70E–.03 16–7 61 0-2
ISK III 29 02 44 06.8 37.49N 26.70E 21–0 2.9L **¶610921260**
DDA III 29 02 44 06.8–.00 37.47N 26.68E 7–1 2.7L
ATH III 29 02 44 07.5 37.51N 26.71E 17–3 3.0L
THE III 29 02 44 07.8 37.49N 26.74E 14–1 3.0L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=4.6km s-min=0.9km az=65.0.
THE Event type ke. Error ellipse: s-maj=2.0km s-min=0.6km az=73.0.
ISC IV 01 08 19 27.6–.75 37.63N–.01 26.80E–.02 12–4 3.7b 173 0-75
IDC IV 01 08 19 26.3–.99 37.63N 26.82E 0 3.9,3.9b **¶610651689**
ISK IV 01 08 19 27.0 37.63N 26.79E 10–0 4.0L,3.9b
THE IV 01 08 19 28.3 37.66N 26.90E 8–0 3.9L,3.9b
ATH IV 01 08 19 28.1 37.63N 26.81E 10–0 3.8L,3.9b
DDA IV 01 08 19 28.7–.00 37.64N 26.80E 10–0 3.9W,3.9b
ISC Event type ke.

IDC Error ellipse: s-maj=18.1km s-min=16.7km az=14.0.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=0.6km s-min=0.3km az=46.0.
ATH Event type ke. Error ellipse: s-maj=1.3km s-min=0.6km az=60.0.
ISC IV 01 13 17 03.9–1.1 37.52N–.02 26.83E–.02 4–9 3.5b 117 0-41
THE IV 01 13 17 04.7 37.58N 26.87E 2–1 3.6L ¶610651704
ISK IV 01 13 17 04.4 37.58N 26.86E 8–0 3.3L
DDA IV 01 13 17 04.7–.00 37.59N 26.87E 11–2 3.5W
IDC IV 01 13 17 04.4–1.7 36.95N 27.25E 0 3.6b,3.5
ATH IV 01 13 17 05.1 37.56N 26.82E 3–2 3.5L,3.5
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.3km az=243.0.
ISK Event type ke.
IDC Error ellipse: s-maj=182.5km s-min=21.6km az=146.0.
ATH Event type ke. Error ellipse: s-maj=2.9km s-min=1.0km az=63.0.
ISC IV 01 17 45 52.8–.81 37.66N–.02 26.84E–.02 13–5 89 0-3
DDA IV 01 17 45 52.5–.00 37.65N 26.84E 11–3 2.3L ¶610921462
THE IV 01 17 45 52.9 37.65N 26.85E 11–1 2.8L
ISK IV 01 17 45 52.7 37.64N 26.84E 10–0 2.7L
ATH IV 01 17 45 53.3 37.65N 26.84E 10–31 3.0L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=2.6km s-min=0.8km az=69.0.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=31.6km s-min=1.3km az=0.0.
ISC IV 02 00 35 31.1–1.3 36.26N–.03 26.08E–.03 99–8 121 1-5
ATH IV 02 00 35 30.9 36.28N 26.05E 105–2 2.9L ¶610921479
THE IV 02 00 35 31.9 36.27N 26.04E 111–3 2.8L
DDA IV 02 00 35 36.0–.00 36.18N 26.59E 23 2.5L
ISK IV 02 00 35 38.5 36.25N 26.74E 30–0 2.6L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.6km s-min=1.2km az=129.0.
THE Event type ke. Error ellipse: s-maj=3.3km s-min=1.0km az=278.0.
ISK Event type ke.
ISC IV 07 11 51 58.6–.82 37.59N–.02 26.85E–.02 11–5 3.6b,3.0s 147 0-76
ISK IV 07 11 51 57.3 37.57N 26.83E 6–0 3.8L,3.0s ¶610652153
IDC IV 07 11 51 57.3–1.4 37.51N 26.86E 0 3.7,3.7b
THE IV 07 11 51 58.8 37.60N 26.90E 6–1 3.7L,3.7b
ATH IV 07 11 51 58.7 37.62N 26.93E 10–1 3.8L,3.7b
DDA IV 07 11 51 58.2–.00 37.60N 26.87E 2–1 3.8W,3.7b
ISC Event type ke.
ISK Event type ke.
IDC Error ellipse: s-maj=40.1km s-min=18.0km az=139.0.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.4km az=46.0.
ATH Event type ke. Error ellipse: s-maj=2.7km s-min=1.0km az=73.0.
ISC IV 07 12 18 52.0–.87 37.60N–.02 26.89E–.03 12–5 82 0-3
DDA IV 07 12 18 51.6–.00 37.58N 26.87E 5–2 2.9L ¶610921880
ISK IV 07 12 18 51.5 37.58N 26.90E 3–0 3.2L
THE IV 07 12 18 52.2 37.61N 26.91E 3–2 3.0L
ATH IV 07 12 18 52.7 37.67N 26.94E 9–1 3.1L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=2.8km s-min=0.7km az=223.0.
ATH Event type ke. Error ellipse: s-maj=4.7km s-min=1.5km az=251.0.
ISC IV 08 02 25 09.1–1.0 36.65N–.02 26.40E–.02 13–8 3.4b 136 0-42
IDC IV 08 02 25 07.3–1.4 36.56N 26.42E 0 3.6b,3.5 ¶610652198
DDA IV 08 02 25 07.0–.00 36.59N 26.30E 5–2 2.8L,3.5
ISK IV 08 02 25 08.8 36.67N 26.36E 6–0 3.2L,3.5
THE IV 08 02 25 09.2 36.69N 26.41E 5–1 3.2L,3.5
ATH IV 08 02 25 09.4 36.67N 26.41E 11–1 3.3L,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=37.4km s-min=16.2km az=146.0.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.3km az=345.0.
ATH Event type ke. Error ellipse: s-maj=1.3km s-min=0.7km az=8.0.
ISC IV 12 10 08 44.5–.79 36.70N–.04 26.86E–.04 148–6 3.2b 91 1-43
GII IV 12 10 08 42.7–.59 36.70N 26.83E 169 3.2b ¶610652544
ATH IV 12 10 08 45.4 36.73N 26.81E 139–8 3.3L
ISK IV 12 10 08 45.4 36.74N 26.93E 143–1 2.6L
THE IV 12 10 08 46.6 36.70N 26.83E 169–2 3.2L
IDC IV 12 10 08 50.9–9.8 36.76N 26.87E 215–104 3.4,2.9b
ISC Event type ke.
GII Event type ke.
ATH Event type ke. Error ellipse: s-maj=9.4km s-min=1.6km az=136.0.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=2.4km s-min=0.6km az=76.0.
IDC Error ellipse: s-maj=58.1km s-min=20.0km az=150.0.
ISC IV 16 12 11 03.4–.55 36.19N–.03 27.51E–.03 90–5 4.1b 512 0-77
NAO IV 16 12 10 53.7 35.08N 24.47E 33 3.5b ¶610528782
IDC IV 16 12 11 03.4–.94 36.27N 27.40E 82–10 4.1,3.6b
ISK IV 16 12 11 03.9 36.30N 27.43E 91–0 4.2L,3.6b
MOS IV 16 12 11 03.7–.82 36.19N 27.53E 107 3.9b,3.6b
HLW IV 16 12 11 04.2 36.14N 27.61E 33–50 4.9L,4.7
NEIC IV 16 12 11 04.3–2.0 36.16N–.07 27.50E–.07 87–12 4.2b,4.7
ATH IV 16 12 11 05.0 36.27N 27.44E 87–2 3.9L,4.7
NIC IV 16 12 11 05.8–.00 35.86N 27.73E 93–2 4.3L,4.7
DDA IV 16 12 11 05.2–.00 36.36N 27.43E 59–3 3.9W,4.7
THE IV 16 12 11 06.0 36.27N 27.46E 88–2 4.2L,4.7
GII IV 16 12 11 09.3–.48 35.79N 27.78E 88 4.2b,3.9
ISC Event type ke.
IDC Error ellipse: s-maj=12.4km s-min=7.8km az=149.0.
ISK Event type ke.
MOS Error ellipse: s-maj=7.7km s-min=4.1km az=103.2.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=7.9km az=159.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ATH Event type ke. Error ellipse: s-maj=3.0km s-min=1.2km az=121.0.
NIC Event type ke.
THE Event type ke. Error ellipse: s-maj=2.1km s-min=0.5km az=51.0.
GII Event type ke.
ISC IV 17 07 11 49.7–.83 37.85N–.02 26.97E–.02 14–6 68 0-2
ISK IV 17 07 11 49.5 37.85N 26.96E 9–0 3.0L ¶610922645
DDA IV 17 07 11 49.9–.00 37.86N 26.98E 7–2 2.5L
THE IV 17 07 11 49.8 37.85N 26.98E 8–2 2.9L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=2.5km s-min=0.9km az=251.0.
ISC IV 17 23 27 38.2–1.2 35.71N–.03 27.61E–.03 16–9 3.3b 100 1-42
IDC IV 17 23 27 36.4–1.2 35.63N 27.62E 0 3.4b,3.3 ¶610652952
ISK IV 17 23 27 38.5 35.71N 27.57E 12–0 3.2L,3.3
DDA IV 17 23 27 39.9–.00 35.77N 27.36E 46–1 3.0L,3.3
THE IV 17 23 27 40.6 35.76N 27.58E 11–3 2.8L,3.3
ATH IV 17 23 27 40.1 35.77N 27.54E 12–6 3.1L,3.3
ISC Event type ke.
IDC Error ellipse: s-maj=31.5km s-min=16.3km az=166.0.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=3.6km s-min=0.8km az=117.0.
ATH Event type ke. Error ellipse: s-maj=7.5km s-min=0.9km az=54.0.
ISC IV 28 13 54 23.0–.64 36.66N–.04 27.02E–.04 142–6 4.1b 154 0-75
IDC IV 28 13 54 22.3–1.0 36.68N 26.99E 130–15 4.0,3.7b ¶610650223
ISK IV 28 13 54 23.9 36.71N 26.96E 138–1 3.5L,3.7b
NEIC IV 28 13 54 23.6–2.4 36.50N–.08 26.96E–.08 153–9 4.1b,3.7b
ATH IV 28 13 54 26.1 36.74N 26.82E 103–13 3.5L,3.7b
THE IV 28 13 54 26.9 36.71N 26.89E 133–4 3.7L,3.7b
GII IV 28 13 54 26.7–.32 36.37N 27.23E 133 3.7L,3.7b
DDA IV 28 13 54 27.1–.00 36.51N 27.10E 54–7 2.6L,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=20.4km s-min=11.0km az=167.0.
ISK Event type ke.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=8.7km az=190.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ATH Event type ke. Error ellipse: s-maj=13.7km s-min=1.5km az=141.0.
THE Event type ke. Error ellipse: s-maj=4.8km s-min=1.9km az=66.0.
GII Event type ke.
ISC IV 28 16 59 48.6–1.2 35.75N–.05 27.88E–.04 10–9 42 1-2
ISK IV 28 16 59 47.8 35.74N 27.94E 8–0 2.6L ¶610923604
THE IV 28 16 59 48.8 35.81N 27.85E 2–3 2.4L
ATH IV 28 16 59 49.8 35.85N 27.82E 7–3 2.3L
DDA IV 28 16 59 50.0–.00 35.92N 27.92E 7–3 2.4L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=7.2km s-min=0.8km az=137.0.
ATH Event type ke. Error ellipse: s-maj=9.9km s-min=1.3km az=135.0.
ISC V 01 12 11 08.1–.98 37.46N–.02 26.91E–.03 13–8 48 0-2
DDA V 01 12 11 07.7–.00 37.45N 26.90E 7–2 2.4L ¶611015860
THE V 01 12 11 07.9 37.45N 26.90E 3–6 2.6L
ISK V 01 12 11 07.4 37.46N 26.92E 8–0 2.7L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=6.8km s-min=0.7km az=267.0.
ISK Event type ke.
ISC V 04 08 20 36.6–1.5 36.32N–.07 26.03E–.06 139–11 32 0-10
THE V 04 08 20 39.6 36.37N 25.95E 128–3 3.2L ¶611015936
HLW V 04 08 20 41.3 35.96N 26.32E 20–26 3.9,3.7L
GII V 04 08 20 42.6–.00 34.78N 25.85E 18 3.9,3.7L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=3.8km s-min=1.0km az=167.0.
GII Event type ke.
ISC V 06 11 24 18.7–1.2 37.90N–.02 25.94E–.02 9–10 57 0-3
DDA V 06 11 24 19.8–.00 37.80N 25.97E 7–3 2.4L ¶611015979
ISK V 06 11 24 19.3 37.84N 25.94E 2–0 2.8L
ATH V 06 11 24 20.7 37.84N 25.92E 16–4 2.9L
THE V 06 11 24 21.3 37.87N 26.01E 23–2 2.8L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=5.0km s-min=1.4km az=206.0. ML Amplitudes are expressed in micrometers.
THE Event type ke. Error ellipse: s-maj=2.7km s-min=1.1km az=270.0.
ISC V 07 08 44 39.3–.95 37.91N–.02 26.87E–.03 10–8 40 0-3
THE V 07 08 44 38.6 37.90N 26.88E 12–1 2.4L ¶611015988
ISK V 07 08 44 39.3 37.92N 26.88E 5–0 2.7L
DDA V 07 08 44 42.4–.00 37.99N 27.06E 7–3 2.0L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.7km az=247.0.
ISK Event type ke.
ISC V 07 12 20 09.2–.97 36.84N–.02 26.55E–.02 17–8 67 0-3
DDA V 07 12 20 07.2–.00 36.81N 26.43E 7–3 2.8L ¶611015991
THE V 07 12 20 09.8 36.88N 26.62E 26–2 2.9L
ATH V 07 12 20 09.6 36.88N 26.53E 11–3 3.2L
ISK V 07 12 20 09.8 36.89N 26.58E 3–0 2.7L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=2.2km s-min=0.8km az=124.0.
ATH Event type ke. Error ellipse: s-maj=3.3km s-min=1.0km az=68.0. ML Amplitudes are expressed in micrometers.
ISK Event type ke.
ISC V 10 15 12 09.2–1.2 35.16N–.04 27.16E–.03 12–8 3.9b 153 1-81
ATH V 10 15 12 09.7 35.33N 27.10E 21–1 3.8L ¶610689971
NEIC V 10 15 12 09.6–1.9 35.26N–.05 27.17E–.05 13–7 4.1b
ISK V 10 15 12 09.4 35.21N 27.13E 15–0 3.7L
THE V 10 15 12 09.4 35.16N 27.14E 2–1 3.7L
IDC V 10 15 12 12.2–3.9 35.09N 27.17E 31–32 3.9,3.9b
GII V 10 15 12 13.4–.00 35.13N 27.41E 20 3.9,3.9b
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=4.4km s-min=0.9km az=148.0. ML Amplitudes are expressed in micrometers.
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=3.6km az=140.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=3.4km s-min=0.7km az=156.0.
IDC Error ellipse: s-maj=20.0km s-min=13.3km az=171.0.
GII Event type ke.
ISC V 11 19 32 59.1–.83 36.91N–.02 28.72E–.02 12–6 148 0-77
IDC V 11 19 32 57.9–1.9 36.88N 28.85E 0 3.8b,3.7 ¶610690078
ISK V 11 19 32 58.6 36.93N 28.74E 6–0 3.3L,3.7
ATH V 11 19 32 58.4 36.96N 28.73E 20–3 3.1L,3.7
DDA V 11 19 32 58.1–.00 36.91N 28.71E 22–1 3.4W,3.7
THE V 11 19 32 58.9 36.88N 28.64E 0–0 2.9L,3.7
GII V 11 19 33 01.2–.00 36.63N 28.82E 8–2 3.3,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=60.7km s-min=22.3km az=137.0.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=4.1km s-min=1.6km az=191.0. ML Amplitudes are expressed in micrometers.
THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.6km az=59.0.
GII Event type ke.
ISC V 12 11 10 51.2–2.1 36.5N–.10 26.40E–.04 122–31 28 1-3
THE V 12 11 10 53.6 36.60N 26.33E 94–7 2.7L ¶611016103
DDA V 12 11 11 00.5–.00 36.34N 27.40E 24–4 2.4L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=7.4km s-min=0.6km az=164.0.
ISC V 15 00 33 54.2–1.2 36.67N–.03 26.56E–.02 3–11 55 0-3
DDA V 15 00 33 54.6–.00 36.70N 26.57E 4–3 2.6L ¶611016151
THE V 15 00 33 54.9 36.70N 26.57E 12–1 2.6L
ISK V 15 00 33 54.6 36.62N 26.58E 4–0 2.4L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.4km az=73.0.
ISK Event type ke.
ISC V 17 11 30 34.0–.22 35.98N–.02 27.54E–.02 21–2 5.3b,4.2s 1687 1-152
BGR V 17 11 30 01.4 32.88N 28.72E 33 4.9b,4.2s ¶611833916
MOS V 17 11 30 30.9–1.1 35.96N 27.52E 10 5.6b,4.3s
ATH V 17 11 30 32.4 36.03N 27.49E 22–1 5.1L,4.3s
ISK V 17 11 30 32.4 36.06N 27.45E 8–0 5.2L,4.3s
DDA V 17 11 30 32.8–.00 36.06N 27.44E 26–1 4.9W,4.3s
MED_R V 17 11 30 32.0–.20 35.90N 27.48E 10 5.0W,4.3s
NEIC V 17 11 30 33.5 35.97N 27.52E 13 5.0W,4.3s
PDG V 17 11 30 33.0–.67 36.01N 27.47E 11–1 4.9L,4.3s
THE V 17 11 30 33.3 36.00N 27.53E 3–1 5.0L,4.3s
NEIC V 17 11 30 33.3–1.8 35.98N–.05 27.51E–.05 13–4 5.4b,4.9
GCMT V 17 11 30 34.3–.20 35.96N–.02 27.46E–.01 17–0 5.0W,4.9
IDC V 17 11 30 35.1–1.4 36.14N 27.42E 26–8 5.2,5.1b
GII V 17 11 30 36.4–.26 35.79N 27.71E 40 5.0,5.0
HLW V 17 11 30 37.8 35.74N 27.61E 16–17 5.1L,4.9
ISC Event type ke.
BGR Event type ke.
MOS Error ellipse: s-maj=4.5km s-min=2.7km az=87.2.
ATH Event type ke. Error ellipse: s-maj=1.4km s-min=0.8km az=100.0. ML Amplitudes are expressed in micrometers.
ISK Event type ke.
MED_R Error ellipse: s-maj=2.2km s-min=4.4km az=-1.0. nsta1 refers to body waves. nsta2 refers to surface waves, cutoff=40s. Moment Tensor Solution. Mantle waves: s16,c25;Duration: 1;2 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.42±.17 $M_{\theta\theta}$-0.93±.16; $M_{\phi\phi}$3.35±.09; $M_{r\theta}$1.50±.95; $M_{\theta\phi}$0.28±.14; $M_{\phi r}$-1.59±.35; Best double couple: NP1:ϕ_s337.00000°,δ65.00000°,λ-121.00000°. NP2:ϕ_s211.00000°,δ39.00000°,λ-42.00000°. Principal axes: T 3.7600,Plg15.0000° ,Azm89.0000°; N -0.0900,Plg28.0000°,Azm351.0000°; P -3.6700,Plg58.0000° ,Azm204.0000° $M_0$3.72000×10^{16}
NEIC Event type se.
PDG Event type ke. Error ellipse: s-maj=1.0km s-min=0.9km az=90.0.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.6km az=25.0.
NEIC Event type se. Error ellipse: s-maj=8.6km s-min=4.6km az=207.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-0.41 $M_{\theta\theta}$-2.09 $M_{\phi\phi}$2.49 $M_{r\theta}$1.05 $M_{\theta\phi}$0.82 $M_{\phi r}$-0.06 NP1:ϕ_s232.25000°,δ74.80000°,λ-19.56000°. NP2:ϕ_s327.57000°,δ71.15000°

,λ-163.92000°. Principal axes: T 2.6405,Plg2.0000°,Azm280.0000°; N 0.0634,Plg65.0000° ,Azm16.0000°; P -2.7040,Plg24.0000°,Azm189.0000° M₀2.67000×10¹⁶
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s50,c60; s113,c190;Duration: 0
Moment tensor: Scale 10¹⁶Nm; Mrr-4.05±.17 Mθθ-0.38±.11; Mϕϕ4.43±.12; Mrθ0.40±.37; Mθϕ0.20±.08; Mϕr-0.16±.24; Best double couple: NP1:ϕs356.00000°,δ46.00000°,λ-99.00000°. NP2:ϕs189.00000°,δ44.00000°,λ-81.00000°. Principal axes: T 4.4410,Plg1.0000° ,Azm92.0000°; N -0.3460,Plg6.0000°,Azm2.0000°; P -4.0970,Plg84.0000°,Azm191.0000° M₀4.26900×10¹⁶
IDC Error ellipse: s-maj=9.4km s-min=7.5km az=157.0.
GII Event type ke.
ISC V 17 18 07 09.8–1.2 36.33N–.04 28.09E–.03 74–8 83 0-9
ISK V 17 18 07 10.6 36.39N 28.01E 68–2 2.9L ¶611016216
THE V 17 18 07 11.9 36.36N 28.04E 67–3 2.9L
DDA V 17 18 07 13.8–.00 36.51N 28.02E 40–3 2.6L
GII V 17 18 07 17.6–.52 35.83N 28.37E 60 2.6L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=3.0km s-min=1.2km az=105.0.
GII Event type ke.
ISC V 18 21 05 30.3–1.3 36.31N–.03 28.19E–.03 49–7 58 0-5
DDA V 18 21 05 28.0–.00 36.31N 28.19E 7–7 2.4L ¶610646162
NIC V 18 21 05 30.5–.00 35.93N 28.37E 17–3 3.2L
ISK V 18 21 05 31.1 36.44N 28.20E 29–0 2.4L
THE V 18 21 05 31.2 36.34N 28.21E 44–3 2.4L
ISC Event type ke.
NIC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=3.4km s-min=1.6km az=145.0.
ISC V 19 22 39 31.9–.00 35.18N–.04 27.29E–.03 33–6 3.5b 98 0-42
NIC V 19 22 39 32.3–.00 35.17N 27.33E 14–6 3.8L ¶610646334
ISK V 19 22 39 32.6 35.19N 27.19E 23–0 3.5L
IDC V 19 22 39 33.2–1.8 35.30N 27.27E 52–22 3.6,3.4b
THE V 19 22 39 35.9 35.39N 27.15E 22–1 3.2L,3.4b
GII V 19 22 39 38.3–.00 34.60N 27.78E 10 3.2,3.4b
ISC Event type ke.
NIC Event type ke.
ISK Event type ke.
IDC Error ellipse: s-maj=19.7km s-min=13.3km az=172.0.
THE Event type ke. Error ellipse: s-maj=2.6km s-min=1.0km az=140.0.
GII Event type ke.
ISC V 20 11 06 12.8–.85 35.41N–.03 27.64E–.02 32–6 3.9b,3.7s 350 0-80
NEIC V 20 11 06 10.9–2.3 35.37N–.08 27.57E–.05 10–1 4.1b,3.7s ¶610685024
NIC V 20 11 06 11.9–.00 35.31N 27.59E 28–6 4.4L,3.7s
HLW V 20 11 06 12.4 35.50N 27.67E 27–13 4.1L,3.7s
ATH V 20 11 06 15.0 35.58N 27.53E 24–1 4.3L,3.7s
ISK V 20 11 06 14.0 35.57N 27.53E 26–0 4.4L,3.7s
THE V 20 11 06 14.4 35.51N 27.58E 14–1 4.2L,3.7s
DDA V 20 11 06 14.4–.00 35.70N 27.58E 8–2 4.3W,3.7s
GII V 20 11 06 16.5–.00 35.06N 27.78E 30 4.4b,4.3
IDC V 20 11 06 17.4–1.3 35.49N 27.50E 73–14 3.9,3.7s
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=14.0km s-min=7.2km az=184.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIC Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.1km s-min=0.7km az=144.0. ML Amplitudes are expressed in micrometers.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.7km az=324.0.
GII Event type ke.
IDC Error ellipse: s-maj=16.3km s-min=9.4km az=173.0.
ISC V 20 11 11 52.5–1.2 35.45N–.04 27.68E–.02 20–5 86 0-4
ISK V 20 11 11 52.2 35.40N 27.62E 14–0 3.5L ¶611016288
THE V 20 11 11 54.2 35.53N 27.59E 5–2 3.2L
ATH V 20 11 11 54.1 35.63N 27.45E 32–1 3.2L
DDA V 20 11 11 56.4–.00 35.53N 27.97E 14–2 3.3L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=3.3km s-min=1.2km az=323.0.
ATH Event type ke. Error ellipse: s-maj=4.1km s-min=0.9km az=145.0. ML Amplitudes are expressed in micrometers.
ISC V 28 13 56 31.5–1.2 36.87N–.02 27.00E–.02 13–10 62 0-3
ATH V 28 13 56 30.9 36.84N 27.02E 27–2 2.7L ¶611016553
DDA V 28 13 56 31.8–.00 36.85N 27.00E 7–1 2.8L
ISK V 28 13 56 31.2 36.88N 26.97E 5–0 2.8L
THE V 28 13 56 32.0 36.88N 27.01E 2–2 2.8L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.4km s-min=1.3km az=74.0. ML Amplitudes are expressed in micrometers.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=2.7km s-min=0.6km az=70.0.
ISC V 29 03 15 39.7–1.1 36.10N–.03 27.00E–.04 15–9 32 1-2
ATH V 29 03 15 38.9 36.10N 27.02E 31–2 2.5L ¶611016568
THE V 29 03 15 40.2 36.08N 27.07E 11–3 2.4L
DDA V 29 03 15 42.2–.00 36.15N 27.26E 7–3 2.1L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.4km s-min=1.7km az=284.0. ML Amplitudes are expressed in micrometers.
THE Event type ke. Error ellipse: s-maj=3.0km s-min=1.0km az=60.0.
ISC V 29 17 19 47.0–1.3 36.53N–.04 26.87E–.04 141–9 120 1-9
ATH V 29 17 19 47.1 36.56N 26.83E 141–5 3.3L ¶611016584
ISK V 29 17 19 47.8 36.57N 26.81E 136–2 2.7L
DDA V 29 17 19 49.3–.00 36.45N 27.07E 26–2 2.8L
THE V 29 17 19 51.2 36.54N 26.79E 116–5 3.3L
GII V 29 17 19 51.0–.43 36.32N 27.16E 50 3.3L
HLW V 29 17 19 55.4 35.79N 27.08E 23–29 4.1L,3.7
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=5.6km s-min=1.7km az=145.0. ML Amplitudes are expressed in micrometers.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=5.4km s-min=1.0km az=71.0.
GII Event type ke.
ISC V 31 20 30 12.8–.55 36.49N–.03 26.06E–.03 147–5 4.1b 450 0-86
IDC V 31 20 30 13.2–.68 36.53N 26.02E 143–10 4.2,3.8b ¶610657381
ISK V 31 20 30 13.1 36.61N 25.95E 5–0 3.8L,3.8b
ATH V 31 20 30 13.1 36.56N 26.04E 150–2 3.9L,3.8b
NEIC V 31 20 30 13.3–2.4 36.57N–.08 26.02E–.07 134–6 4.2b,3.8b
DDA V 31 20 30 14.4–.00 36.49N 26.13E 29–4 3.9W,3.8b
THE V 31 20 30 15.5 36.53N 26.02E 161–1 4.1L,3.8b
GII V 31 20 30 16.5–.25 36.19N 26.43E 40 4.1b,3.6
HLW V 31 20 30 25.1 35.57N 26.24E 12–20 4.3,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=17.0km s-min=9.1km az=160.0.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.1km s-min=0.9km az=115.0. ML Amplitudes are expressed in micrometers.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=7.8km az=182.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.7km az=307.0.
GII Event type ke.
ISC VI 05 13 58 58.1–1.5 36.42N–.03 27.63E–.03 8–12 42 0-2
ATH VI 05 13 58 57.7 36.45N 27.64E 25–3 2.4L ¶611016740
ISK VI 05 13 58 58.4 36.40N 27.67E 21–0 2.5L
DDA VI 05 13 58 58.1–.00 36.39N 27.56E 6–3 2.1L
THE VI 05 13 58 58.8 36.39N 27.65E 4–2 2.4L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=4.4km s-min=1.5km az=149.0. ML Amplitudes are expressed in micrometers.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=2.9km s-min=0.9km az=104.0.
ISC VI 05 21 15 06.7–1.2 36.30N–.03 28.36E–.03 48–7 64 0-4
ISK VI 05 21 15 06.4 36.32N 28.35E 46–0 2.1L ¶610666297
DDA VI 05 21 15 06.3–.00 36.44N 28.30E 8–3 2.2L
THE VI 05 21 15 07.8 36.34N 28.36E 40–3 2.1L
NIC VI 05 21 15 07.0–.00 36.01N 28.47E 23–2 2.9L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=3.0km s-min=1.2km az=217.0.
NIC Event type ke.
ISC VI 06 13 31 54.5–1.2 35.78N–.05 27.92E–.04 15–11 33 0-3
DDA VI 06 13 31 52.0–.00 35.72N 27.94E 6–16 2.4L ¶611509103
ISK VI 06 13 31 53.1 35.74N 27.97E 5–0 2.6L
ISC Event type ke.
ISK Event type ke.
ISK VI 08 00 49 51.6 36.39N 26.61E 18–0 2.3L
ATH VI 08 00 49 51.9 36.31N 26.68E 113–9 2.4L ¶611509203
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=9.6km s-min=2.2km az=132.0. ML Amplitudes are expressed in micrometers.
ISC VI 15 22 04 05.2–1.1 37.74N–.03 26.87E–.03 13–8 39 0-2
ISK VI 15 22 04 04.6 37.73N 26.85E 11–0 2.8L ¶611509864
DDA VI 15 22 04 05.0–.00 37.73N 26.86E 7–2 2.6L
ISC Event type ke.
ISK Event type ke.
ISC VI 25 16 51 29.0–1.2 36.77N–.03 28.28E–.02 65–6 118 0-4
ATH VI 25 16 51 28.4 36.76N 28.36E 67–5 3.3L ¶611017673
DDA VI 25 16 51 28.9–.00 36.80N 28.27E 52–2 3.3W
ISK VI 25 16 51 28.5 36.74N 28.29E 62–1 3.4L
THE VI 25 16 51 30.2 36.76N 28.24E 59–2 3.3L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=5.8km s-min=2.4km az=155.0. ML Amplitudes are expressed in micrometers.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=2.4km s-min=0.8km az=107.0.
ISC VI 25 22 34 48.1–1.5 35.73N–.05 27.91E–.04 14–10 39 1-2
ISK VI 25 22 34 46.9 35.71N 28.04E 7–0 2.5L ¶611511017
DDA VI 25 22 34 48.6–.00 35.75N 27.81E 33–1 2.5L
ISC Event type ke.
ISK Event type ke.
ISC VI 26 01 33 41.1–1.0 36.49N–.02 27.88E–.02 12–8 95 0-4
ISK VI 26 01 33 40.9 36.49N 27.84E 9–0 2.6L ¶611017684
THE VI 26 01 33 40.9 36.51N 27.90E 0–0 2.6L
DDA VI 26 01 33 40.8–.00 36.46N 27.87E 12–2 2.5L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=0.7km s-min=0.4km az=89.0.
ISC VI 26 20 32 40.8–1.7 36.60N–.06 26.65E–.03 145–14 46 1-3
ISK VI 26 20 32 40.9 36.74N 26.42E 4–0 2.6L ¶611511075
ATH VI 26 20 32 41.7 36.59N 26.67E 139–6 2.4L
DDA VI 26 20 32 42.1–.00 36.53N 26.90E 14–1 1.8L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=6.6km s-min=1.8km az=185.0. ML Amplitudes are expressed in micrometers.
ISC VI 27 17 58 33.2–.59 36.51N–.04 27.07E–.04 144–5 3.9b 204 0-65
IDC VI 27 17 58 33.5–.76 36.50N 27.00E 135–10 3.9,3.5b ¶610699271
NEIC VI 27 17 58 33.6–3.0 36.64N–.06 27.00E–.05 136–8 4.2b,3.5b
ISK VI 27 17 58 34.3 36.61N 27.01E 136–0 3.4L,3.5b
THE VI 27 17 58 36.5 36.56N 26.99E 151–4 4.1L,3.5b
GII VI 27 17 58 37.3–.28 36.18N 27.27E 100 4.0b,3.8
DDA VI 27 17 58 37.0–.00 36.73N 27.19E 122–4 3.5W,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=14.4km s-min=9.0km az=157.0.
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=6.2km az=178.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=4.4km s-min=1.3km az=115.0.
GII Event type ke.
ISC VI 29 02 54 05.3–1.2 35.80N–.03 27.97E–.02 51–9 108 0-5
ISK VI 29 02 54 04.9 35.85N 27.91E 59–2 3.2L ¶610699047
NIC VI 29 02 54 04.8–.00 35.71N 28.05E 29–1 3.9L
ATH VI 29 02 54 05.9 35.83N 27.96E 52–4 3.1L
DDA VI 29 02 54 06.0–.00 35.90N 27.86E 68–10 3.5W
THE VI 29 02 54 07.3 35.84N 27.92E 37–5 3.2L
ISC Event type ke.
ISK Event type ke.
NIC Event type ke.
ATH Event type ke. Error ellipse: s-maj=4.5km s-min=1.6km az=58.0. ML Amplitudes are expressed in micrometers.
THE Event type ke. Error ellipse: s-maj=5.1km s-min=1.1km az=77.0.
ISC VI 30 14 42 51.4–1.1 36.11N–.03 27.55E–.02 9–9 103 0-5
DDA VI 30 14 42 50.9–.00 36.08N 27.58E 10–3 3.0L ¶610758623
ISK VI 30 14 42 50.3 36.14N 27.53E 6–0 3.0L
THE VI 30 14 42 51.9 36.07N 27.61E 25–17 3.0L
NIC VI 30 14 42 52.3–.00 36.32N 27.65E 18–0 3.6L
ATH VI 30 14 42 52.9 36.05N 27.58E 10–3 2.9L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=17.6km s-min=1.8km az=164.0.
NIC Event type ke.
ATH Event type ke. Error ellipse: s-maj=4.3km s-min=1.7km az=46.0. ML Amplitudes are expressed in micrometers.
ISC VI 30 20 49 40.5–1.3 35.05N–.03 27.52E–.02 4–9 3.3b 137 1-42
NIC VI 30 20 49 38.8–.00 34.97N 27.38E 1–6 3.7L ¶612185593
DDA VI 30 20 49 38.2–.00 35.03N 27.37E 4–3 3.1L
ISK VI 30 20 49 40.5 35.07N 27.56E 3–0 3.5L
IDC VI 30 20 49 40.2–1.2 35.07N 27.55E 0 3.3,3.3b
THE VI 30 20 49 41.4 34.98N 27.54E 0–0 3.1L,3.3b
ATH VI 30 20 49 42.7 35.13N 27.52E 12–2 3.3L,3.3b
ISC Event type ke.
NIC Event type ke.
ISK Event type ke.
IDC Error ellipse: s-maj=29.0km s-min=12.7km az=1.0.
THE Event type ke. Error ellipse: s-maj=2.9km s-min=0.8km az=145.0.
ATH Event type ke. Manual Solution by G.Panopoulou ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 0 km.
ISC VI 30 22 50 23.0–.82 35.50N–.04 27.05E–.03 29–5 3.4b 89 0-44
IDC VI 30 22 50 18.6–1.6 35.57N 27.09E 0 4.1s,3.4b ¶610789816
ISK VI 30 22 50 22.9 35.68N 26.97E 10–0 3.1L,3.4b
ATH VI 30 22 50 24.0 35.53N 27.04E 20–1 3.1L,3.4b
DDA VI 30 22 50 26.1–.00 35.73N 27.44E 22–2 2.7L,3.4b
ISC Event type ke.
IDC Error ellipse: s-maj=60.1km s-min=16.1km az=157.0.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.7km s-min=1.1km az=146.0. ML Amplitudes are expressed in micrometers.

(370) Crete.

ISC I 01 13 30 22.7–1.6 34.94N–.06 26.97E–.03 8–10 3.5b 67 1-78
DDA I 01 13 30 16.0–.00 34.39N 26.50E 15 2.9L ¶610236388
IDC I 01 13 30 22.1–1.4 35.15N 26.90E 0 3.7b,3.5
ISK I 01 13 30 23.4 34.94N 27.14E 7–0 3.1L,3.5
THE I 01 13 30 24.9 34.98N 27.03E 0–3 2.9L,3.5
ATH I 01 13 30 26.4 35.07N 26.93E 10–31 2.9L,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=31.9km s-min=20.0km az=160.0.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=6.5km s-min=1.2km az=149.0.

ATH Event type ke. Error ellipse: s-maj=31.6km s-min=1.7km az=0.0.
ISC I 04 07 26 30.4–.78 35.07N–.04 26.23E–.02 25–4 3.9b 112 0-78
IDC I 04 07 26 28.8–1.1 35.72N 26.20E 0 3.8,3.8b ¶610236679
DDA I 04 07 26 29.0–.00 35.17N 26.35E 7–4 3.7W,3.8b
ATH I 04 07 26 31.9 35.09N 26.18E 18–1 3.7L,3.8b
ISK I 04 07 26 31.5 35.22N 26.24E 12–0 3.6L,3.8b
THE I 04 07 26 32.4 35.20N 26.17E 0–1 3.7L,3.8b
ISC Event type ke.
IDC Error ellipse: s-maj=33.5km s-min=9.8km az=156.0.
ATH Event type ke. Error ellipse: s-maj=5.7km s-min=1.4km az=160.0.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.9km az=179.0.
ISC I 04 21 33 38.2–1.3 35.16N–.05 26.83E–.03 17–10 76 0-43
IDC I 04 21 33 32.2–3.3 34.61N 26.87E 0 3.8s,3.1 ¶610236734
DDA I 04 21 33 33.3–.00 34.96N 27.04E 8–4 2.7L,3.1
ISK I 04 21 33 39.0 35.22N 26.83E 21–0 3.3L,3.1
ATH I 04 21 33 40.7 35.33N 26.75E 17–2 3.3L,3.1
THE I 04 21 33 40.3 35.26N 26.77E 5–3 3.1L,3.1
ISC Event type ke.
IDC Error ellipse: s-maj=73.7km s-min=31.9km az=167.0.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.4km s-min=0.9km az=146.0.
THE Event type ke. Error ellipse: s-maj=4.9km s-min=0.7km az=151.0.
ISC I 04 23 46 11.5–2.5 34.4N–.20 23.7E–.10 21–7 23 1-45
IDC I 04 23 46 06.4–6.5 34.33N 23.43E 0 4.1b,3.6 ¶610236742
THE I 04 23 46 14.6 34.49N 23.75E 0–6 2.8L,3.6
ATH I 04 23 46 15.6 34.54N 23.77E 18–1 3.0L,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=106.0km s-min=56.3km az=35.0.
THE Event type ke. Error ellipse: s-maj=9.0km s-min=1.2km az=197.0.
ATH Event type ke. Error ellipse: s-maj=3.3km s-min=1.7km az=192.0.
ISC I 08 05 23 02.1–2.1 34.79N–.08 23.25E–.07 8–11 3.8b 25 1-61
IDC I 08 05 22 55.6–4.4 34.51N 22.57E 0 3.7b,3.6 ¶610236947
THE I 08 05 23 02.1 34.84N 23.09E 18–3 3.1L,3.6
ATH I 08 05 23 05.5 34.66N 23.38E 24–5 3.4L,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=80.3km s-min=36.2km az=43.0.
THE Event type ke. Error ellipse: s-maj=4.2km s-min=1.8km az=212.0.
ATH Event type ke. Error ellipse: s-maj=8.2km s-min=2.8km az=57.0.
ISC I 10 00 00 06.8–1.1 34.36N–.03 26.26E–.04 35–4 3.5b 126 1-59
ISK I 10 00 00 03.5 34.30N 26.26E 13–0 3.6L ¶610237046
HLW I 10 00 00 04.8 34.63N 26.18E 31–20 4.3,4.1L
ATH I 10 00 00 05.9 34.36N 26.16E 9–3 3.3L,4.1L
DDA I 10 00 00 06.4–.00 34.77N 26.28E 6–4 2.9L,4.1L
THE I 10 00 00 07.1 34.42N 26.21E 12–1 3.0L,4.1L
IDC I 10 00 00 10.6–6.7 34.81N 26.11E 52–51 3.4,3.3b
GII I 10 00 00 11.8–.00 33.97N 27.00E 1 3.5,3.2
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=5.1km s-min=1.8km az=334.0.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=1.0km az=354.0.
IDC Error ellipse: s-maj=59.9km s-min=21.9km az=179.0.
GII Event type ke.
ISC I 11 15 34 01.0–2.2 34.68N–.08 23.05E–.06 15–10 3.9b 40 1-61
IDC I 11 15 33 56.6–4.6 34.50N 23.06E 0 3.9b,3.6 ¶610237168
ISK I 11 15 34 05.7 34.79N 23.28E 18–0 3.5L,3.6
ATH I 11 15 34 05.7 34.78N 23.19E 16–2 3.3L,3.6
THE I 11 15 34 06.3 34.83N 23.21E 13–2 3.1L,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=81.5km s-min=50.7km az=33.0.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.8km s-min=2.2km az=33.0.
THE Event type ke. Error ellipse: s-maj=2.8km s-min=1.3km az=125.0.
ISC I 11 19 43 52.1–2.0 34.67N–.07 23.04E–.06 7–10 4.2b 63 1-61
IDC I 11 19 43 47.7–4.5 34.41N 22.85E 0 4.0b,3.8 ¶610237184
ISK I 11 19 43 52.4 34.71N 22.90E 72–0 3.8L,3.8
THE I 11 19 43 55.0 34.77N 23.00E 0–3 3.4L,3.8
ATH I 11 19 43 59.8 34.92N 23.27E 14–2 3.3L,3.8
GII I 11 19 44 07.1–.00 35.06N 24.81E 6 3.3L,3.8
DDA I 11 19 44 13.0–.00 35.28N 24.35E 67 3.3L,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=79.0km s-min=50.6km az=33.0.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=5.4km s-min=1.6km az=217.0.
ATH Event type ke. Error ellipse: s-maj=5.0km s-min=1.8km az=57.0.
GII Event type ke.
ISC I 11 20 12 17.0–2.5 34.70N–.09 23.08E–.08 16–11 3.9b 24 1-47
IDC I 11 20 12 16.2–29 35.21N 23.26E 0 3.8,3.8b ¶610237190
ATH I 11 20 12 18.7 34.73N 23.13E 5–31 2.9L,3.8b
THE I 11 20 12 20.1 34.90N 23.14E 0–9 2.8L,3.8b
ISC Event type ke.
IDC Error ellipse: s-maj=577.7km s-min=43.9km az=29.0.
ATH Event type ke. Error ellipse: s-maj=31.6km s-min=1.8km az=0.0.
THE Event type ke. Error ellipse: s-maj=11.0km s-min=2.9km az=228.0.
IDC I 13 02 45 47.7–5.5 34.97N 23.09E 0 4.0b,3.7
¶610237272
IDC Error ellipse: s-maj=96.2km s-min=39.9km az=27.0.
ISC I 14 06 28 50.9–1.3 34.74N–.05 24.93E–.03 37–1 3.4b 75 0-78
IDC I 14 06 28 42.6–1.2 34.50N 24.51E 0 3.8s,3.5b ¶610237340
ISK I 14 06 28 49.4 34.71N 25.00E 22–0 3.4L,3.5b
ATH I 14 06 28 50.8 34.72N 24.94E 17–1 3.4L,3.5b
THE I 14 06 28 51.2 34.75N 24.95E 10–1 3.1L,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=29.1km s-min=12.0km az=114.0.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.9km s-min=1.2km az=12.0.
THE Event type ke. Error ellipse: s-maj=2.0km s-min=0.7km az=336.0.
ISC I 14 06 31 58.0–1.2 35.29N–.04 23.26E–.04 13–7 3.8b 63 0-77
IDC I 14 06 31 53.0–1.9 34.82N 22.90E 0 3.9b,3.8 ¶610237341
ATH I 14 06 31 58.4 35.22N 23.23E 14–3 3.4L,3.8
THE I 14 06 31 59.8 35.27N 23.28E 0–2 3.3L,3.8
ISK I 14 06 32 00.6 35.20N 23.41E 5–0 3.6L,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=37.8km s-min=12.2km az=4.0.
ATH Event type ke. Error ellipse: s-maj=4.3km s-min=1.3km az=71.0.
THE Event type ke. Error ellipse: s-maj=3.5km s-min=1.0km az=231.0.
ISK Event type ke.
ISC I 14 22 23 57.9–1.5 34.6N–.20 26.0E–.30 32 3.5b 6 16-78
IDC I 14 22 23 53.1–1.8 34.53N 26.03E 0 3.8b,3.8L ¶610237389
ISC Event type ke.
IDC Error ellipse: s-maj=52.4km s-min=28.4km az=126.0.
ISC I 15 03 37 21.0–.99 35.13N–.03 23.10E–.03 27–6 4.5b,3.9s 749 0-120
BGR I 15 03 37 14.6 35.17N 25.09E 33 4.2b,3.8s ¶611831579
MOS I 15 03 37 16.9–1.2 35.07N 23.15E 9 4.7b,3.8s
IDC I 15 03 37 17.6–.54 35.22N 23.29E 0 4.4b,4.3
MED_R I 15 03 37 18.0–.50 34.92N 23.05E 10 4.8W,4.3
HLW I 15 03 37 18.8 35.27N 23.49E 11–43 4.7,4.7L
NEIC I 15 03 37 19.7–2.5 35.12N–.08 23.17E–.08 10–1 4.4b,4.7L
THE I 15 03 37 21.7 35.02N 23.02E 9–0 4.5L,4.7L
BEO I 15 03 37 21.5–.50 35.18N 22.58E 0 4.4L,4.7L
ATH I 15 03 37 23.0 35.06N 23.06E 21–2 4.6L,4.7L
ISK I 15 03 37 23.0 35.28N 23.19E 27–0 4.5L,4.7L
PDG I 15 03 37 26.0–.11 35.26N 22.72E 10–12 4.4L,4.7L
GII I 15 03 37 29.–.00 34.88N 24.13E 1–0 4.7b,4.6
ISC Event type ke. Moment Tensor Solution. NP1:ϕs298.49323°,δ16.18051°,λ50.55254°. NP2: ϕs159.08101°,δ77.57351°,λ100.44564°. Principal axes: T Plg56.2281°,Azm82.4147° ; N Plg10.1983°,Azm336.8092°; P Plg31.7987°,Azm240.4054°
BGR Event type ke.
MOS Error ellipse: s-maj=6.7km s-min=3.3km az=75.7.
IDC Error ellipse: s-maj=12.4km s-min=11.9km az=140.0.
MED_R nsta1 refers to body waves. nsta2 refers to surface waves, cutoff=35s. Moment Tensor Solution. Mantle waves: s7,c8;Duration: 1s0 Moment tensor: Scale 10^{16}Nm; Mrr-0.01±.06 Mθθ0.20±.03; Mϕϕ-0.19±.06; Mrθ0.17±.11; Mθϕ0.04±.06; Mϕr-2.33±.13; Best double couple: NP1:ϕs176.00000°,δ89.00000°,λ90.00000°. NP2:ϕs342.00000°,δ1.00000°,λ76.00000°. Principal axes: T 2.2400,Plg46.0000°,Azm86.0000°; N 0.2000,Plg0.0000°,Azm356.0000° ; P -2.4400,Plg44.0000°,Azm266.0000° M0 2.34000×10^{16}
NEIC Event type se. Error ellipse: s-maj=15.1km s-min=10.4km az=208.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.6km az=48.0.
BEO Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.0km s-min=0.8km az=45.0.
ISK Event type ke.
PDG Event type ke. Error ellipse: s-maj=17.8km s-min=5.3km az=90.0.
GII Event type ke.
ISC I 16 02 45 42.1–.74 34.86N–.04 23.87E–.03 24–5 4.3b 316 0-83
IDC I 16 02 45 43.0–2.1 34.96N 23.94E 24–13 4.1,4.1b ¶610095190
BEO I 16 02 45 42.2–.70 34.81N 23.18E 0 3.9L,4.1b
NEIC I 16 02 45 42.2–1.8 34.79N–.10 23.81E–.08 23–7 4.4b,4.1b
ISK I 16 02 45 42.7 34.94N 23.87E 12–0 4.1L,4.1b
DDA I 16 02 45 43.4–.00 34.42N 24.53E 7–3 4.3W,4.1b
THE I 16 02 45 43.0 34.91N 23.86E 11–2 3.8L,4.1b
ATH I 16 02 45 43.3 34.93N 23.85E 10–1 3.8L,4.1b
GII I 16 02 45 46.1–.00 34.51N 24.43E 1–0 4.1b,3.9
ISC Event type ke.
IDC Error ellipse: s-maj=15.5km s-min=11.5km az=165.0.
BEO Event type ke.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=9.2km az=192.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=3.4km s-min=0.9km az=211.0.
ATH Event type ke. Error ellipse: s-maj=1.6km s-min=0.8km az=215.0.
GII Event type ke.
ISC I 17 10 57 36.2–1.1 35.50N–.04 25.90E–.03 12–9 3.9b 50 0-44
IDC I 17 10 57 34.4–1.4 35.54N 25.96E 0 4.1b,3.8 ¶610237592
ATH I 17 10 57 37.2 35.47N 25.92E 17–2 3.2L,3.8
THE I 17 10 57 37.3 35.46N 25.93E 16–2 3.4L,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=76.3km s-min=10.0km az=159.0.
ATH Event type ke. Error ellipse: s-maj=3.3km s-min=0.9km az=163.0.
THE Event type ke. Error ellipse: s-maj=3.0km s-min=0.8km az=152.0.
ISC I 22 06 46 60.0–2.0 34.67N–.09 23.50E–.08 30–10 3.7b 46 1-45
ATH I 22 06 47 00.7 34.68N 23.49E 17–1 3.3L ¶610235074
THE I 22 06 47 00.2 34.69N 23.51E 3–31 3.0L
ISK I 22 06 47 01.7 34.79N 23.60E 22–0 3.3L
IDC I 22 06 47 01.1–5.2 34.70N 23.42E 61–30 3.7b,3.6
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.9km s-min=2.1km az=60.0.
THE Event type ke. Error ellipse: s-maj=31.6km s-min=1.4km az=0.0.
ISK Event type ke.
IDC Error ellipse: s-maj=54.2km s-min=29.5km az=14.0.
ISC I 22 06 57 28.5–2.1 34.63N–.09 23.48E–.06 27–11 3.5b 43 1-61
ISK I 22 06 57 28.9 34.70N 23.44E 17–0 3.3L ¶610235077
IDC I 22 06 57 29.0–6.0 34.26N 23.60E 49–41 3.6L,3.5
THE I 22 06 57 29.4 34.69N 23.46E 3–31 2.8L,3.5
ATH I 22 06 57 30.4 34.70N 23.51E 15–2 3.1L,3.5
ISC Event type ke.
ISK Event type ke.
IDC Error ellipse: s-maj=73.1km s-min=36.2km az=161.0.
THE Event type ke. Error ellipse: s-maj=31.6km s-min=1.8km az=0.0.
ATH Event type ke. Error ellipse: s-maj=3.1km s-min=2.1km az=35.0.
ISC I 22 08 34 18.1–1.6 34.64N–.07 23.42E–.05 27–10 3.5b 56 1-45
IDC I 22 08 34 14.2–1.6 34.73N 23.33E 0 3.7b,3.5 ¶610235092
ATH I 22 08 34 19.6 34.66N 23.49E 12–1 3.1L,3.5
ISK I 22 08 34 19.5 34.70N 23.48E 17–0 3.5L,3.5
THE I 22 08 34 19.8 34.70N 23.48E 3–31 3.0L,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=30.8km s-min=18.6km az=166.0.
ATH Event type ke. Error ellipse: s-maj=3.6km s-min=1.9km az=37.0.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=31.6km s-min=1.3km az=0.0.
ISC I 22 10 29 17.3–1.3 35.19N–.04 23.22E–.04 6–7 4.0b 164 0-80
BEO I 22 10 29 14.5–.70 34.73N 22.71E 0 3.9L ¶610105761
ATH I 22 10 29 16.8 35.20N 23.18E 8–3 3.6L
IDC I 22 10 29 16.0–.84 35.23N 23.22E 0 4.1b,4.0
THE I 22 10 29 17.8 35.24N 23.25E 1–2 3.3L,4.0
MOS I 22 10 29 18.1–1.3 34.89N 23.26E 33 4.2b,4.0
NEIC I 22 10 29 19.6–1.8 34.9N–.20 23.11E–.09 34–10 4.1b,4.0
ISC Event type ke.
BEO Event type ke.
ATH Event type ke.
THE Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 25 18 50 52.1–.22 35.43N–.02 26.44E–.02 63–1 5.4b 2711 0-152
MOS I 25 18 50 51.8–.97 35.41N 26.35E 74 5.5b ¶610505703
HLW I 25 18 50 51.4 35.32N 26.67E 41–47 5.9L,5.5
NEIC I 25 18 50 51.8–1.8 35.36N–.06 26.42E–.05 57–5 5.4b,5.2
GCMT I 25 18 50 51.8–.20 35.25N–.02 26.55E–.02 84–2 5.3W,5.2
MED_R I 25 18 50 52.0–.30 35.38N 26.46E 65–2 5.3W,5.2
IDC I 25 18 50 52.9–.32 35.50N 26.42E 63–2 5.3,5.0b
ISK I 25 18 50 52.0 35.44N 26.45E 22–0 5.3L,5.0b
DDA I 25 18 50 52.9–.00 35.51N 26.51E 37–4 5.0W,5.0b
BEO I 25 18 50 53.3–.70 35.44N 26.06E 0 5.0L,5.0b
TIR I 25 18 50 53.4 35.34N 25.62E 41–10 5.8L,5.0b
ATH I 25 18 50 53.6 35.40N 26.45E 61 5.2W,5.0b
NIC I 25 18 50 53.5–.00 35.00N 26.84E 32–68 5.5L,5.0b
PDG I 25 18 50 54.9–.64 35.33N 26.46E 50–6 5.3,5.2L
THE I 25 18 50 54.3 35.41N 26.45E 54–1 5.4L,5.2L
GII I 25 18 50 55.7–.38 35.00N 26.99E 40 5.7,5.5
NEIC I 25 18 50 55 35.40N 26.44E 50 5.7,5.5
ISC Event type ke.
MOS Error ellipse: s-maj=4.2km s-min=2.3km az=89.5.
NEIC Event type se. Error ellipse: s-maj=8.7km s-min=6.2km az=169.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s75,c90; s86,c100;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; Mrr0.30±.03 Mθθ0.96±.03; Mϕϕ-1.27±.03; Mrθ0.23±.03; Mθϕ0.56±.04; Mϕr0.15±.04; Best double couple: NP1:ϕs30.00000°,δ81.00000°,λ166.00000°. NP2:ϕs123.00000°,δ76.00000°,λ10.00000°. Principal axes: T 1.1700,Plg16.0000° ,Azm346.0000°; N 0.2350,Plg73.0000°,Azm177.0000°; P -1.4070,Plg3.0000°,Azm77.0000° M0 1.28900×10^{17}
MED_R Error ellipse: s-maj=1.1km s-min=2.2km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=35s. Moment Tensor Solution. Body waves: s8,c9; Mantle waves: s29,c44;Duration: 1s5 Moment tensor: Scale 10^{17}Nm; Mrr0.14±.03 Mθθ0.82±.02; Mϕϕ-0.96±.03; Mrθ0.12±.02; Mθϕ0.35±.03; Mϕr0.12±.03; Best double couple: NP1:ϕs34.00000°,δ86.00000°,λ169.00000°. NP2:ϕs125.00000°,δ79.00000°,λ4.00000°. Principal axes: T 0.9100,Plg11.0000°,Azm349.0000°; N 0.1200,Plg78.0000°,Azm193.0000° ; P -1.0400,Plg5.0000°,Azm80.0000° M0 0.98000×10^{17}
IDC Error ellipse: s-maj=8.4km s-min=4.3km az=162.0.
ISK Event type ke.
BEO Event type ke.
ATH Moment Tensor Solution. s7 Moment tensor: Mrr-0.07 Mθθ6.95 Mϕϕ-6.88 Mrθ1.59 Mθϕ4.19 Mϕr0.47 NP1:ϕs29.00000°,δ82.00000°,λ172.00000°. NP2:ϕs120.00000°,δ82.00000° ,λ8.00000°.
NIC Event type ke.
PDG Event type ke. Error ellipse: s-maj=2.1km s-min=1.6km az=90.0.
THE Event type ke. Error ellipse: s-maj=2.0km s-min=0.4km az=161.0.
GII Event type ke.
NEIC Event type se. Moment Tensor Solution.Duration: 8s0 Moment tensor: Scale 10^{16}Nm; Mrr-1.03 Mθθ8.45 Mϕϕ-7.42 Mrθ0.60 Mθϕ3.92 Mϕr-1.26 NP1:ϕs32.00000°,δ82.00000° ,λ-173.00000°. NP2:ϕs301.00000°,δ84.00000°,λ-8.00000°. Principal axes:

T 9.3753,Plg2.0000°,Azm347.0000°; N -0.7940,Plg80.0000°,Azm86.0000°
; P -8.5812,Plg10.0000°,Azm257.0000° M0 9.00000×10^16
ISC I 26 13 12 07.6–.74 35.74N–.03 26.66E–.04 79–8 3.9b 143 1-77
GII I 26 13 12 07.2–.78 35.56N 26.70E 40 3.7,3.5 **¶610235384**
IDC I 26 13 12 07.8–1.1 35.65N 26.58E 83–21 3.7,3.4b
HLW I 26 13 12 07.1 35.75N 26.72E 47–57 4.3L,3.4b
ISK I 26 13 12 07.8 35.92N 26.57E 22–0 3.4L,3.4b
DDA I 26 13 12 08.2–.00 35.96N 26.68E 30–3 3.5W,3.4b
ATH I 26 13 12 10.1 35.91N 26.52E 49–9 3.4L,3.4b
THE I 26 13 12 10.5 35.91N 26.52E 47–7 3.4L,3.4b
ISC Event type ke.
GII Event type ke.
IDC Error ellipse: s-maj=33.7km s-min=14.3km az=0.0.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=9.0km s-min=1.0km az=137.0.
THE Event type ke. Error ellipse: s-maj=7.2km s-min=0.6km az=157.0.
ISC I 27 13 52 51.7–1.4 34.57N–.05 25.15E–.03 17–9 55 1-30
IDC I 27 13 52 48.2–1.3 34.59N 25.38E 0 4.1b,3.7 **¶610235480**
ISK I 27 13 52 51.5 34.61N 25.15E 12–0 3.4L,3.7
ATH I 27 13 52 54.7 34.67N 25.05E 12–2 3.4L,3.7
THE I 27 13 52 54.6 34.71N 25.01E 0–1 3.0L,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=22.6km s-min=10.7km az=54.0.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.7km s-min=1.4km az=4.0.
THE Event type ke. Error ellipse: s-maj=2.0km s-min=0.8km az=168.0.
ISC I 28 16 10 20.9–1.3 34.5N–.10 24.07E–.08 29 3.5b 12 0-45
IDC I 28 16 10 16.6–1.8 34.76N 23.93E 0 3.7,3.7b **¶610235574**
ATH I 28 16 10 24.4 34.64N 24.10E 22–2 2.7L,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=53.6km s-min=30.3km az=126.0.
ATH Event type ke. Error ellipse: s-maj=9.8km s-min=2.4km az=20.0.
ISC I 28 16 16 55.3–1.4 34.35N–.07 24.18E–.04 32–9 3.8b 81 0-79
THE I 28 16 16 55.5 34.35N 24.15E 8–1 2.9L **¶610235575**
ATH I 28 16 16 57.9 34.50N 24.08E 22–2 3.3L
IDC I 28 16 16 59.4–1.8 34.66N 23.99E 59–12 3.8,3.5b
GII I 28 16 17 02.5–.00 34.14N 24.88E 10 3.2,3.5b
DDA I 28 16 17 17.9–.00 35.99N 25.53E 4–2 2.0L,3.5b
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=1.4km az=54.0.
ATH Event type ke. Error ellipse: s-maj=3.4km s-min=1.9km az=21.0.
IDC Error ellipse: s-maj=27.4km s-min=17.3km az=155.0.
GII Event type ke.
ISC I 29 14 03 43.5–1.2 34.95N–.07 23.32E–.06 45–10 3.8b 74 0-120
ATH I 29 14 03 43.4 34.91N 23.19E 25–2 3.3L **¶610235652**
THE I 29 14 03 43.2 34.94N 23.17E 0–1 3.4L
IDC I 29 14 03 45.0–2.5 35.15N 23.18E 59–22 3.7,3.5b
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.6km s-min=1.6km az=197.0.
THE Event type ke. Error ellipse: s-maj=2.4km s-min=0.7km az=221.0.
IDC Error ellipse: s-maj=24.1km s-min=19.3km az=14.0.
ISC I 31 19 19 42.7–1.1 34.85N–.06 25.22E–.02 15–8 38 0-44
THE I 31 19 19 41.9 34.86N 25.26E 14–1 2.6L **¶610235840**
ATH I 31 19 19 41.9 34.84N 25.24E 13–4 3.0L
IDC I 31 19 19 42.1–1.7 34.68N 25.02E 0 3.6b,3.4
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.6km az=6.0.
ATH Event type ke. Error ellipse: s-maj=5.2km s-min=1.0km az=15.0.
IDC Error ellipse: s-maj=80.2km s-min=27.4km az=134.0.
ISC II 03 06 32 10.8–1.5 34.32N–.06 25.04E–.03 18–8 85 1-60
IDC II 03 06 32 06.4–2.6 34.14N 25.00E 0 3.8L,3.7b **¶610414720**
ISK II 03 06 32 09.1 34.21N 24.83E 92–1 3.5L,3.7b
THE II 03 06 32 10.8 34.35N 25.02E 0–3 3.1L,3.7b
ATH II 03 06 32 11.4 34.30N 25.00E 10–31 3.2L,3.7b
DDA II 03 06 32 16.0–.00 34.53N 25.36E 15 2.9L,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=40.9km s-min=14.6km az=62.0.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=6.9km s-min=1.3km az=163.0.
ATH Event type ke. Error ellipse: s-maj=31.6km s-min=2.2km az=0.0.
ISC II 07 10 03 03.6–1.1 34.98N–.04 25.23E–.02 8–7 4.0b 102 0-79
IDC II 07 10 03 02.1–.95 34.97N 25.33E 0 3.9b,3.8 **¶610415036**
THE II 07 10 03 03.4 34.97N 25.23E 0–0 3.3L,3.8
ATH II 07 10 03 03.5 34.93N 25.21E 5–2 3.5L,3.8
NEIC II 07 10 03 04.6–2.5 35.01N–.03 25.24E–.05 10–1 4.3b,3.8
ISC Event type ke.
THE Event type ke.
ATH Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 10 18 51 54.9–1.4 34.15N–.05 25.06E–.03 24–10 4.0b 183 1-60
IDC II 10 18 51 52.0–.95 34.19N 25.03E 0 4.2L,4.0 **¶610208020**
THE II 10 18 51 54.5 34.16N 25.00E 0–1 3.3L,4.0
NEIC II 10 18 51 56.8–2.4 34.20N–.09 24.94E–.06 34–8 4.1b,4.0
ATH II 10 18 51 56.4 34.25N 25.01E 10–2 3.4L,4.0
ISK II 10 18 51 56.4 34.35N 25.05E 86–0 3.4L,4.0
DDA II 10 18 51 58.0–.00 34.29N 25.24E 20 3.1L,4.0
ISC Event type ke.
IDC Error ellipse: s-maj=16.2km s-min=12.1km az=70.0.
THE Event type ke. Error ellipse: s-maj=4.9km s-min=1.2km az=176.0.
NEIC Event type se. Error ellipse: s-maj=13.7km s-min=6.9km az=183.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ATH Event type ke. Error ellipse: s-maj=3.9km s-min=1.5km az=357.0.
ISK Event type ke.
ISC II 14 01 36 57.3–1.3 35.11N–.05 26.96E–.03 6–10 66 0-9
ATH II 14 01 36 57.6 35.17N 26.87E 10–31 2.8L **¶610679741**
ISK II 14 01 36 57.3 35.17N 26.91E 12–0 3.3L
THE II 14 01 36 58.7 35.18N 26.93E 0–1 2.9L
DDA II 14 01 37 01.6–.00 35.36N 27.45E 4–1 2.7L
GII II 14 01 37 02.7–.00 34.12N 26.97E 1 2.7L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=31.6km s-min=1.5km az=0.0.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=6.0km s-min=1.2km az=150.0.
GII Event type ke.
ISC II 15 05 56 16.1–1.3 34.78N–.05 24.83E–.03 14–9 41 0-2
ISK II 15 05 56 15.6 34.79N 24.82E 5–0 2.9L **¶610679786**
THE II 15 05 56 16.2 34.78N 24.85E 14–2 2.9L
ATH II 15 05 56 17.1 34.86N 24.79E 25–3 3.2L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=2.1km s-min=0.9km az=350.0.
ATH Event type ke. Error ellipse: s-maj=4.9km s-min=1.5km az=333.0.
ISC II 15 23 01 21.8–.79 34.69N–.03 24.97E–.02 17–4 4.6b,3.8s 701 0-125
BEO II 15 23 01 17.8–1.4 33.84N 24.06E 69–1 4.3L,3.8s **¶611831811**
IDC II 15 23 01 18.8–.53 34.67N 25.04E 0 4.3,4.3b
MOS II 15 23 01 19.3–1.4 34.55N 24.92E 15 4.6b,4.3b
BJI II 15 23 01 19.0–.00 34.60N 24.90E 10 4.9b,4.6b
DDA II 15 23 01 20.3–.00 34.72N 24.97E 6–3 4.5W,4.6b
ISK II 15 23 01 21.7 34.79N 24.95E 7–0 4.6L,4.6b
MED_R II 15 23 01 21.0–.30 34.57N 24.90E 29–1 4.7W,4.6b
THE II 15 23 01 22.3 34.75N 24.96E 0–1 4.3L,4.6b
NEIC II 15 23 01 23.8–1.4 34.71N–.04 24.90E–.05 26–4 4.6b,4.6b
ATH II 15 23 01 24.2 34.78N 24.94E 12 4.3W,4.6b
GII II 15 23 01 27.1–.34 34.70N 25.42E 40 4.8,4.8b
ISC Event type ke.
BEO Event type ke.
IDC Error ellipse: s-maj=10.5km s-min=7.9km az=71.0.
MOS Error ellipse: s-maj=5.4km s-min=3.1km az=83.2.
ISK Event type ke.
MED_R nsta1 refers to body waves. nsta2 refers to surface waves, cutoff=35s. Moment Tensor Solution. Mantle waves: s20,c25;Duration: 1s0 Moment tensor: Scale 10^16Nm; Mrr0.01±.12 Mθθ-0.12±.08; Mφφ0.11±.10; Mrθ-0.01±.06; Mθφ1.18±.06; Mφr-0.11±.07; Best double couple: NP1:φs177.00000°,δ89.00000°,λ175.00000°. NP2:φs267.00000°,δ85.00000°,λ1.00000°. Principal axes: T 1.1900,Plg4.0000°,Azm132.0000°; N 0.0100,Plg85.0000°,Azm347.0000° ; P -1.2000,Plg3.0000°,Azm222.0000° M0 1.19000×10^16
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.7km az=171.0.
NEIC Event type se. Error ellipse: s-maj=8.0km s-min=1.7km az=129.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ATH Moment Tensor Solution. s7 Moment tensor: Mrr-0.41 Mθθ1.08 Mφφ-0.67 Mrθ-0.43 Mθφ3.21 Mφr0.48 NP1:φs97.00000°,δ82.00000°,λ-9.00000°. NP2:φs188.00000°,δ81.00000° ,λ-172.00000°.
GII Event type ke.
ISC II 22 18 39 34.3–1.2 35.25N–.04 23.24E–.04 10–7 4.1b,3.1s 111 0-79
ISK II 22 18 39 33.1 35.25N 23.16E 6–0 3.8L,3.1s **¶610384823**
ATH II 22 18 39 34.5 35.25N 23.23E 6–2 3.7L,3.1s
THE II 22 18 39 34.3 35.25N 23.24E 13–2 3.6L,3.1s
IDC II 22 18 39 35.7–2.7 35.30N 23.29E 16–17 4.0b,3.9
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.6km s-min=1.1km az=47.0.
THE Event type ke. Error ellipse: s-maj=2.7km s-min=0.6km az=68.0.
IDC Error ellipse: s-maj=21.0km s-min=12.3km az=12.0.
ISC II 23 01 06 57.2–.86 34.55N–.06 24.82E–.04 46–10 3.7b 91 1-46
IDC II 23 01 06 51.3–1.6 34.33N 24.93E 0 3.8L,3.6 **¶610384837**
ISK II 23 01 06 57.0 34.64N 24.84E 32–0 3.3L,3.6
ATH II 23 01 06 59.8 34.76N 24.72E 28–1 3.3L,3.6
THE II 23 01 07 00.0 34.76N 24.70E 24–1 3.3L,3.6
GII II 23 01 07 03.2–.35 34.91N 25.59E 40 3.6,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=30.5km s-min=20.5km az=96.0.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.8km s-min=1.3km az=351.0.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.6km az=354.0.
GII Event type ke.
ISC II 24 21 51 18.1–1.2 34.46N–.04 25.07E–.03 1–9 3.6b 93 1-44
GII II 24 21 51 12.7–.00 34.67N 24.72E 15 3.5 **¶610384958**
IDC II 24 21 51 18.0–1.7 35.47N 24.03E 0 3.7,3.6b
ISK II 24 21 51 23.3 34.66N 24.79E 24–0 3.3L,3.6b
THE II 24 21 51 24.1 34.66N 24.79E 16–1 3.0L,3.6b
ATH II 24 21 51 25.0 34.69N 24.74E 16–2 3.3L,3.6b
DDA II 24 21 51 27.0–.00 34.78N 25.29E 50 2.7L,3.6b
ISC Event type ke.
GII Event type ke.
IDC Error ellipse: s-maj=61.6km s-min=27.8km az=136.0.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=2.8km s-min=1.1km az=324.0.
ATH Event type ke. Error ellipse: s-maj=3.5km s-min=1.5km az=346.0.
ISC II 25 18 14 33.2–1.4 35.21N–.04 23.21E–.04 3–9 3.7b 85 0-77
ATH II 25 18 14 32.9 35.20N 23.14E 10–5 3.5L **¶610274438**
NEIC II 25 18 14 32.3–2.7 34.8N–.10 23.0E–.10 24–9 4.0b
ISK II 25 18 14 32.1 35.25N 23.12E 5–0 3.6L
IDC II 25 18 14 33.4–1.2 35.34N 23.34E 0 3.8b,3.7
THE II 25 18 14 34.7 35.28N 23.31E 16–1 3.3L,3.7
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=5.7km s-min=1.5km az=87.0.
NEIC Event type se. Error ellipse: s-maj=22.7km s-min=8.3km az=208.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISK Event type ke.
IDC Error ellipse: s-maj=25.2km s-min=14.9km az=7.0.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.4km az=62.0.
ISC II 26 23 38 29.8–.86 35.24N–.03 23.26E–.03 13–5 4.1b,3.5s 291 0-95
ISK II 26 23 38 26.3 35.20N 23.19E 5–0 4.0L,3.5s **¶610241533**
IDC II 26 23 38 27.8–.69 35.23N 23.26E 0 4.1,4.1b
DDA II 26 23 38 28.0–.00 35.19N 23.19E 16 4.2W,4.1b
ATH II 26 23 38 28.7 35.26N 23.22E 10–31 3.8L,4.1b
THE II 26 23 38 28.6 35.24N 23.25E 4–2 3.6L,4.1b
NEIC II 26 23 38 32.6–1.7 35.1N–.10 23.21E–.09 32–8 4.2b,4.1b
ISC Event type ke.
ISK Event type ke.
ATH Event type ke.
THE Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 27 19 33 33.7–2.3 34.9N–.10 23.42E–.09 24–13 22 0-3
ATH II 27 19 33 33.0 34.83N 23.35E 17–2 2.4L **¶610918278**
ISK II 27 19 33 34.9 34.97N 23.56E 24–0 2.5L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=4.7km s-min=1.7km az=45.0.
ISK Event type ke.
ISC II 27 20 33 09.8–1.3 35.15N–.04 23.18E–.04 17–7 3.5b 86 0-46
ISK II 27 20 33 09.0 35.16N 23.13E 6–0 3.4L **¶610243853**
THE II 27 20 33 09.5 35.18N 23.15E 0–2 3.2L
ATH II 27 20 33 10.3 35.14N 23.16E 2–2 3.2L
IDC II 27 20 33 14.8–2.6 35.17N 23.16E 59–28 3.7L,3.6
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=3.9km s-min=0.8km az=240.0.
ATH Event type ke. Error ellipse: s-maj=2.6km s-min=0.8km az=43.0.
IDC Error ellipse: s-maj=26.5km s-min=21.6km az=173.0.
ISC II 28 00 15 59.8–1.8 34.21N–.04 26.23E–.04 26–13 4.1b,3.9s 201 1-83
ISK II 28 00 15 53.5 33.75N 26.29E 86–0 3.7L,3.9s **¶610385163**
THE II 28 00 15 57.1 34.25N 26.48E 0–6 3.0L,3.9s
ATH II 28 00 15 58.5 34.27N 26.38E 12–3 3.4L,3.9s
NIC II 28 00 15 58.9–.00 34.10N 26.16E 29–6 4.0L,3.9s
IDC II 28 00 16 00.9–2.3 34.38N 26.13E 29–15 4.0,3.9b
NEIC II 28 00 16 00.9–1.7 34.2N–.10 26.15E–.07 27–5 4.0b,3.9b
DDA II 28 00 16 01.6–.00 34.38N 26.33E 10–4 3.9W,3.9b
GII II 28 00 16 04.1–.00 34.00N 26.77E 1–0 4.1b,3.9
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=14.8km s-min=1.3km az=125.0.
ATH Event type ke. Error ellipse: s-maj=4.8km s-min=1.4km az=17.0.
NIC Event type ke.
IDC Error ellipse: s-maj=18.7km s-min=11.7km az=7.0.
NEIC Event type se. Error ellipse: s-maj=15.1km s-min=8.2km az=186.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GII Event type ke.
ISC III 03 22 56 47.9–1.2 35.53N–.04 25.93E–.03 13–10 31 0-2
ISK III 03 22 56 47.8 35.56N 25.96E 16–0 2.5L **¶610919357**
ATH III 03 22 56 50.2 35.46N 25.93E 18–2 1.9L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.2km s-min=1.0km az=123.0.
ISC III 03 23 17 00.5–.66 35.41N–.02 25.88E–.02 26–4 4.6b,3.4s 650 0-118
DDA III 03 23 16 51.8–.00 35.10N 25.22E 7–5 4.4W,3.4s **¶611831949**
GII III 03 23 16 55.9–.00 35.45N 25.90E 17 4.2b,4.1
ISK III 03 23 16 58.8 35.58N 25.90E 8–0 4.2L,4.1
MOS III 03 23 16 58.3–1.3 35.47N 25.84E 18 4.7b,4.1
NEIC III 03 23 17 00.2 35.35N 25.88E 21 4.7b,4.1
ATH III 03 23 17 00.7 35.50N 25.92E 13–2 4.6L,4.1
MED_R III 03 23 17 00.0–.40 35.43N 25.88E 20–2 4.5W,4.1
IDC III 03 23 17 00.2–2.2 35.64N 25.83E 17–14 4.4,4.3b
THE III 03 23 17 00.8 35.45N 25.90E 17–1 4.5L,4.3b
NEIC III 03 23 17 00.1–1.7 35.39N–.07 25.88E–.05 19–4 4.5b,4.4
PDG III 03 23 17 01.2–.37 35.46N 25.91E 17–1 4.5L,4.4
ISC Event type ke.
GII Event type ke.

ISK Event type ke.
MOS Error ellipse: s-maj=4.5km s-min=3.1km az=79.8.
NEIC Event type se.
ATH Event type ke. Error ellipse: s-maj=3.0km s-min=0.8km az=182.0.
MED_R Error ellipse: s-maj=2.2km s-min=3.3km az=-1.0. nsta1 refers to body waves. nsta2 refers to surface waves, cutoff=35s. Moment Tensor Solution. Mantle waves: s16,c20;Duration: 1s0 Moment tensor: Scale 10^{15}Nm; M_{rr}-1.78±1.01 $M_{\theta\theta}$-4.60±.53; $M_{\phi\phi}$6.38±.69; $M_{r\theta}$-0.68±.80; $M_{\theta\phi}$1.75±.44; $M_{\phi r}$-1.50±.58; Best double couple: NP1:ϕ_s234.00000°,δ89.00000°,λ13.00000°. NP2:ϕ_s143.00000°,δ77.00000°,λ179.00000°. Principal axes: T 6.9400,Plg10.0000° ,Azm99.0000°; N -2.0000,Plg76.0000°,Azm239.0000°; P -4.9400,Plg9.0000°,Azm8.0000° $M_0$5.94000×10^{15}
IDC Error ellipse: s-maj=13.7km s-min=7.2km az=154.0.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.4km az=165.0.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=5.1km az=169.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}1.41 $M_{\theta\theta}$-3.44 $M_{\phi\phi}$2.03 $M_{r\theta}$1.55 $M_{\theta\phi}$2.12 $M_{\phi r}$1.73 NP1:ϕ_s327.91000°,δ56.82000°,λ158.97000°. NP2:ϕ_s69.79000°,δ72.52000° ,λ35.01000°. Principal axes: T 4.3577,Plg37.0000°,Azm293.0000°; N -0.0303,Plg51.0000° ,Azm93.0000°; P -4.3274,Plg10.0000°,Azm196.0000° $M_0$4.34000×10^{15}
PDG Event type ke. Error ellipse: s-maj=0.8km s-min=0.6km az=90.0.
ISC III 05 19 36 15.0–1.3 35.70N–.04 26.59E–.03 45–18 96 0-3
ISK III 05 19 36 11.7 35.82N 26.51E 12–0 2.8L ¶610680335
THE III 05 19 36 14.9 35.69N 26.61E 53–3 2.7L
ATH III 05 19 36 15.4 35.73N 26.58E 28–2 2.8L
GII III 05 19 36 17.2–.64 34.80N 26.68E 50 2.8L
DDA III 05 19 36 34.4–.00 37.02N 27.77E 8–29 2.3L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=3.4km s-min=0.4km az=148.0.
ATH Event type ke. Error ellipse: s-maj=2.7km s-min=0.9km az=118.0.
GII Event type ke.
ISC III 08 07 55 00.2–.50 35.67N–.03 24.55E–.03 63–5 4.3b 496 0-128
BGR III 08 07 54 46.0 35.19N 25.75E 10 4.3b,2.9s ¶616204518
MOS III 08 07 54 59.5–1.4 35.57N 24.43E 66 4.4b,2.9s
NEIC III 08 07 55 01.4–2.4 35.65N–.09 24.51E–.07 68–9 4.4b,2.9s
ISK III 08 07 55 01.5 35.78N 24.54E 51–1 4.3L,2.9s
IDC III 08 07 55 01.7–1.9 35.82N 24.56E 73–16 4.2,3.9b
ATH III 08 07 55 02.6 35.73N 24.51E 52–3 4.3L,3.9b
PDG III 08 07 55 02.1–.29 35.75N 24.55E 48–3 4.5L,3.9b
THE III 08 07 55 03.0 35.76N 24.52E 48–2 4.4L,3.9b
GII III 08 07 55 05.1–.47 35.64N 25.29E 40 4.5,4.5b
ISC Event type ke.
BGR Event type ke.
MOS Error ellipse: s-maj=6.8km s-min=3.6km az=90.0.
NEIC Event type se. Error ellipse: s-maj=13.6km s-min=8.3km az=189.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISK Event type ke.
IDC Error ellipse: s-maj=13.1km s-min=10.7km az=142.0.
ATH Event type ke. Error ellipse: s-maj=3.8km s-min=0.8km az=175.0.
PDG Event type ke. Error ellipse: s-maj=0.5km s-min=0.7km az=0.0.
THE Event type ke. Error ellipse: s-maj=2.9km s-min=0.5km az=176.0.
GII Event type ke.
ISC III 11 11 14 29.7–1.0 35.47N–.03 25.94E–.02 18–3 58 0-2
ISK III 11 11 14 28.6 35.52N 25.94E 18–0 2.7L ¶610680441
ATH III 11 11 14 30.2 35.46N 25.95E 19–4 2.2L
THE III 11 11 14 30.3 35.46N 25.95E 15–2 2.1L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=4.7km s-min=0.9km az=193.0.
THE Event type ke. Error ellipse: s-maj=2.3km s-min=0.5km az=175.0.
ISC III 16 03 03 45.0–1.2 34.73N–.05 24.58E–.02 17–8 3.7b 72 0-46
ISK III 16 03 03 42.9 34.55N 24.66E 10–0 3.2L ¶610546289
IDC III 16 03 03 43.6–2.9 34.59N 24.70E 13–17 4.1s,4.0L
THE III 16 03 03 46.6 34.74N 24.57E 6–1 3.0L,4.0L
ATH III 16 03 03 47.2 34.77N 24.54E 8–2 3.0L,4.0L
ISC Event type ke.
ISK Event type ke.
IDC Error ellipse: s-maj=27.8km s-min=17.1km az=108.0.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.6km az=346.0.
ATH Event type ke. Error ellipse: s-maj=2.7km s-min=0.8km az=351.0.
ISC III 27 01 42 10.6–.69 35.00N–.03 23.89E–.03 28–5 3.8b 150 0-118
IDC III 27 01 42 06.0–.93 35.08N 23.80E 0 3.9b,3.8 ¶610453688
ISK III 27 01 42 10.8 35.07N 23.96E 19–0 3.5L,3.8
ATH III 27 01 42 11.4 35.02N 23.84E 15–2 3.5L,3.8
THE III 27 01 42 11.5 35.05N 23.89E 0–1 3.3L,3.8
DDA III 27 01 42 18.0–.00 35.59N 24.42E 52 3.6W,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=21.5km s-min=10.1km az=0.0.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.9km s-min=1.5km az=230.0.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.6km az=240.0.
ISC III 27 05 45 51.3–.70 34.99N–.03 23.88E–.03 28–5 3.9b,3.8s 134 0-119
IDC III 27 05 45 47.0–.91 35.10N 23.90E 0 3.9,3.9b ¶610543779
ISK III 27 05 45 51.4 35.08N 23.96E 17–0 3.7L,3.9b
ATH III 27 05 45 52.3 35.02N 23.85E 9–4 3.7L,3.9b
THE III 27 05 45 52.0 35.05N 23.88E 0–1 3.5L,3.9b
DDA III 27 05 45 55.0–.00 34.82N 24.13E 36 3.8W,3.9b
ISC Event type ke.
IDC Error ellipse: s-maj=22.0km s-min=12.6km az=1.0.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=4.3km s-min=1.2km az=105.0.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.6km az=236.0.
ISC III 27 06 53 53.8–.77 34.83N–.05 24.23E–.02 24–5 3.8b 92 0-78
IDC III 27 06 53 49.1–1.5 34.68N 24.31E 0 4.3L,3.7b ¶610543782
ATH III 27 06 53 52.5 34.73N 24.23E 28–1 3.4L,3.7b
ISK III 27 06 53 52.9 34.86N 24.28E 22–0 3.5L,3.7b
DDA III 27 06 53 54.0–.00 34.27N 24.49E 38 3.1L,3.7b
THE III 27 06 53 54.9 34.91N 24.25E 0–1 3.1L,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=58.5km s-min=28.3km az=136.0.
ATH Event type ke. Error ellipse: s-maj=4.9km s-min=1.5km az=175.0.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.6km az=150.0.
ISC III 30 05 12 26.6–.53 34.81N–.04 24.99E–.03 47–4 4.4b,3.3s 472 0-92
MOS III 30 05 12 24.7–1.1 34.88N 24.76E 43 4.6b,3.3s ¶610452503
ISK III 30 05 12 26.6 34.83N 24.98E 30–0 4.0L,3.3s
ATH III 30 05 12 27.9 34.75N 24.84E 24–2 4.1L,3.3s
IDC III 30 05 12 27.1–.86 34.89N 24.87E 48–5 4.2,4.0b
NEIC III 30 05 12 27.8–1.3 34.90N–.06 24.84E–.05 52–6 4.4b,4.0b
THE III 30 05 12 28.5 34.78N 24.86E 19–2 4.1L,4.0b
GII III 30 05 12 32.4–.00 34.43N 25.80E 1–0 4.1b,3.6
DDA III 30 05 12 33.0–.00 35.28N 25.22E 92–22 4.1W,3.6
ISC Event type ke.
MOS Error ellipse: s-maj=6.5km s-min=3.5km az=80.5.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.8km s-min=1.6km az=2.0.
IDC Error ellipse: s-maj=12.6km s-min=10.9km az=171.0.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=2.3km az=213.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
THE Event type ke. Error ellipse: s-maj=3.1km s-min=1.0km az=355.0.
GII Event type ke.
ISC III 30 19 57 47.1–1.1 35.19N–.05 23.22E–.04 39–2 3.6b 81 0-77
ATH III 30 19 57 47.4 35.15N 23.07E 24–1 3.5L ¶610544008
ISK III 30 19 57 48.5 35.21N 23.34E 50–1 3.6L
IDC III 30 19 57 48.5–1.4 36.13N 23.73E 0 3.6b,3.5
THE III 30 19 57 49.4 35.23N 23.23E 30–1 3.4L,3.5
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.6km s-min=1.6km az=40.0.
ISK Event type ke.
IDC Error ellipse: s-maj=32.4km s-min=11.5km az=49.0.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.6km az=224.0.
ISC IV 01 06 20 06.1–1.5 35.05N–.06 23.51E–.07 20–3 26 0-2
THE IV 01 06 20 05.3 35.04N 23.41E 29–0 2.5L ¶611015358
ATH IV 01 06 20 06.3 35.04N 23.50E 16–2 2.7L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.7km az=242.0.
ATH Event type ke. Error ellipse: s-maj=3.7km s-min=1.3km az=66.0.
IDC IV 01 06 27 49.6–5.1 34.41N 26.64E 61–51 3.4,3.4b ¶610651685
IDC Error ellipse: s-maj=55.3km s-min=28.8km az=131.0.
ISC IV 03 08 56 05.1–.70 34.29N–.04 24.05E–.03 29–4 4.1b,3.1s 343 1-117
ISK IV 03 08 56 01.1 34.12N 24.04E 14–0 4.1L,3.1s ¶611832205
ATH IV 03 08 56 02.7 34.12N 23.95E 4–1 4.1L,3.1s
MOS IV 03 08 56 03.2–1.2 34.34N 24.03E 24 4.3b,3.1s
NEIC IV 03 08 56 04.3–1.7 34.29N–.09 24.03E–.07 22–4 4.3b,3.1s
HLW IV 03 08 56 05.8 34.46N 24.19E 25–25 4.3L,3.8
THE IV 03 08 56 06.7 34.36N 24.05E 8–1 4.1L,3.8
DDA IV 03 08 56 08.0–.00 34.39N 24.45E 48 4.1W,3.8
IDC IV 03 08 56 08.4–1.5 34.47N 24.00E 49–12 4.0,4.0L
GII IV 03 08 56 13.0–.72 34.19N 24.71E 40 4.0,4.0L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.5km s-min=1.8km az=354.0.
MOS Error ellipse: s-maj=7.7km s-min=4.4km az=78.4.
NEIC Event type se. Error ellipse: s-maj=13.0km s-min=8.8km az=172.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.9km az=19.0.
IDC Error ellipse: s-maj=17.9km s-min=11.2km az=156.0.
GII Event type ke.
ISC IV 04 18 47 05.4–3.1 35.49N–.03 25.91E–.02 14–23 59 0-4
ISK IV 04 18 47 05.9 35.44N 25.90E 27–0 2.9L ¶610921690
ATH IV 04 18 47 07.0 35.47N 25.94E 18–5 2.8L
THE IV 04 18 47 07.0 35.45N 25.91E 18–1 2.8L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=7.2km s-min=1.0km az=160.0.
THE Event type ke. Error ellipse: s-maj=2.1km s-min=0.5km az=159.0.
ISC IV 06 04 19 31.8–1.4 34.64N–.07 25.89E–.03 29–9 3.8b 78 0-44
THE IV 06 04 19 31.4 34.63N 25.83E 0–1 3.0L ¶610652048
ISK IV 06 04 19 31.9 34.63N 25.98E 25–0 3.1L
ATH IV 06 04 19 33.0 34.68N 25.89E 23–1 3.1L
IDC IV 06 04 19 35.4–2.5 34.80N 25.69E 74–21 3.9,3.6b
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=2.3km s-min=0.9km az=158.0.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.6km s-min=1.0km az=355.0.
IDC Error ellipse: s-maj=42.6km s-min=21.9km az=128.0.
ISC IV 07 13 23 37.8–.90 35.37N–.02 23.57E–.03 9–6 4.0b,2.8s 142 0-81
ATH IV 07 13 23 37.4 35.39N 23.58E 13–1 3.8L,2.8s ¶610652158
THE IV 07 13 23 37.5 35.39N 23.56E 1–1 3.8L,2.8s
ISK IV 07 13 23 37.1 35.38N 23.55E 6–0 3.9L,2.8s
NEIC IV 07 13 23 38.2–3.0 35.2N–.10 23.65E–.07 18–2 4.5b,2.8s
DDA IV 07 13 23 40.0–.00 35.19N 23.47E 43 4.2W,2.8s
IDC IV 07 13 23 40.9–2.2 35.30N 23.77E 39–23 3.8,3.7L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.7km s-min=0.9km az=219.0.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.4km az=250.0.
ISK Event type ke.
NEIC Event type se. Error ellipse: s-maj=16.3km s-min=7.5km az=197.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=21.2km s-min=15.8km az=4.0.
ISC IV 08 01 24 42.6–1.6 35.1N–.10 26.07E–.04 44–8 40 0-4
ATH IV 08 01 24 27.3 34.00N 26.61E 10–31 3.0L ¶610921921
THE IV 08 01 24 41.7 34.91N 26.06E 44–2 2.2L
ISK IV 08 01 24 41.1 35.50N 26.16E 5–0 2.6L
DDA IV 08 01 24 43.7–.00 34.65N 27.35E 3–5 2.3L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=31.6km s-min=5.8km az=0.0.
THE Event type ke. Error ellipse: s-maj=4.5km s-min=1.4km az=359.0.
ISK Event type ke.
ISC IV 08 12 26 12.6–.85 35.38N–.02 23.57E–.03 10–5 3.6b 91 0-77
ISK IV 08 12 26 11.9 35.39N 23.55E 7–0 3.9L ¶610652226
ATH IV 08 12 26 12.6 35.40N 23.58E 3–1 3.6L
THE IV 08 12 26 12.4 35.37N 23.57E 12–1 3.5L
IDC IV 08 12 26 17.6–1.4 35.10N 23.83E 60–13 3.7,3.3b
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.8km s-min=0.8km az=195.0.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.6km az=142.0.
IDC Error ellipse: s-maj=21.4km s-min=16.6km az=172.0.
ISC IV 09 21 42 08.4–1.6 34.64N–.05 24.88E–.03 5–10 44 0-44
ISK IV 09 21 42 06.8 34.57N 24.90E 10–0 3.1L ¶610652325
IDC IV 09 21 42 07.8–1.7 34.49N 24.93E 0 3.5b,3.4
ATH IV 09 21 42 09.0 34.62N 24.89E 13–9 2.9L,3.4
THE IV 09 21 42 08.1 34.61N 24.86E 0–3 2.8L,3.4
ISC Event type ke.
ISK Event type ke.
IDC Error ellipse: s-maj=45.2km s-min=27.4km az=136.0.
ATH Event type ke. Error ellipse: s-maj=10.9km s-min=1.8km az=324.0.
THE Event type ke. Error ellipse: s-maj=4.9km s-min=1.2km az=148.0.
ISC IV 10 14 07 33.7–1.4 34.18N–.05 25.88E–.03 25–11 3.8b,3.8s 109 1-64
ISK IV 10 14 07 33.3 34.21N 25.78E 16–0 3.1L,3.8s ¶610652386
THE IV 10 14 07 35.3 34.25N 25.79E 6–2 2.8L,3.8s
DDA IV 10 14 07 37.2–.00 34.66N 26.16E 6–4 3.4W,3.8s
IDC IV 10 14 07 37.7–2.1 34.32N 25.86E 61–18 3.7,3.6s
ATH IV 10 14 07 39.8 34.57N 25.69E 26–3 2.9L,3.6s
GII IV 10 14 07 40.9–.68 33.96N 26.21E 40 3.4,3.6s
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=2.4km s-min=1.0km az=138.0.
IDC Error ellipse: s-maj=20.5km s-min=17.2km az=6.0.
ATH Event type ke. Error ellipse: s-maj=6.2km s-min=1.7km az=347.0.
GII Event type ke.
ISC IV 12 01 23 38.0–1.4 34.63N–.05 24.83E–.02 5–9 3.5s,3.4b 56 0-67
IDC IV 12 01 23 37.4–1.3 34.62N 24.94E 0 3.5s,3.5 ¶610652510
THE IV 12 01 23 37.7 34.64N 24.84E 3–1 3.5s,3.5
ISK IV 12 01 23 37.5 34.63N 24.82E 8–0 3.1L,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=23.0km s-min=11.0km az=85.0.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.5km az=171.0.
ISK Event type ke.
ISC IV 13 06 16 15.0–1.0 34.03N–.08 25.23E–.03 22–6 3.6b 63 1-79
IDC IV 13 06 16 11.8–1.2 34.07N 25.24E 0 3.9L,3.6 ¶610652607
ISK IV 13 06 16 13.8 34.09N 25.13E 119–1 3.4L,3.6
ATH IV 13 06 16 16.5 34.12N 25.18E 12–5 3.0L,3.6
THE IV 13 06 16 17.5 34.16N 25.15E 11–6 2.8L,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=21.7km s-min=20.3km az=30.0.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=6.2km s-min=1.8km az=168.0.
THE Event type ke. Error ellipse: s-maj=7.7km s-min=1.1km az=187.0.
ISC IV 17 15 50 18.8–.92 34.51N–.04 25.40E–.03 27–6 4.2b,3.2s 330 1-118
NEIC IV 17 15 50 17.2–1.8 34.55N–.05 25.30E–.07 10–1 4.3b,3.2s ¶611832595
HLW IV 17 15 50 17.3 34.80N 25.28E 26–24 4.6L,3.7
MOS IV 17 15 50 17.3–1.0 34.63N 25.34E 25 4.4b,3.7
ISK IV 17 15 50 18.6 34.58N 25.32E 11–0 3.9L,3.7
IDC IV 17 15 50 20.0–1.7 34.69N 25.32E 32–11 4.1,3.9b

THE IV 17 15 50 19.2 34.59N 25.27E 0–1 3.8L,3.9b
ATH IV 17 15 50 19.2 34.54N 25.31E 9–1 3.8L,3.9b
DDA IV 17 15 50 23.0–.00 34.84N 25.50E 35 3.8W,3.9b
GII IV 17 15 50 26.7–.00 34.20N 25.97E 20 4.1b,3.8
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=11.0km s-min=7.9km az=229.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=8.1km s-min=4.7km az=76.0.
ISK Event type ke.
IDC Error ellipse: s-maj=15.8km s-min=12.2km az=5.0.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.8km az=167.0.
ATH Event type ke. Error ellipse: s-maj=2.9km s-min=0.8km az=354.0.
GII Event type ke.
ISC IV 19 07 51 42.9–.88 35.40N–.02 26.13E–.02 10–7 3.8b 144 0-64
IDC IV 19 07 51 41.4–.97 35.42N 26.19E 0 4.0b,3.8 **¶610653036**
ISK IV 19 07 51 42.2 35.41N 26.14E 7–0 3.5L,3.8
THE IV 19 07 51 43.3 35.37N 26.13E 10–1 3.4L,3.8
ATH IV 19 07 51 43.2 35.41N 26.15E 5–1 3.5L,3.8
DDA IV 19 07 51 48.9–.00 35.67N 26.48E 20–3 3.5W,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=27.0km s-min=9.7km az=166.0.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=2.2km s-min=0.5km az=166.0.
ATH Event type ke. Error ellipse: s-maj=2.0km s-min=0.8km az=204.0.
ISC IV 21 02 29 52.3–.74 34.82N–.05 24.13E–.03 27–4 3.8b 84 0-78
IDC IV 21 02 29 52.5–2.5 34.90N 24.08E 29–15 3.8L,3.7 **¶610653156**
ISK IV 21 02 29 52.8 34.85N 24.22E 18–0 3.2L,3.7
ATH IV 21 02 29 53.7 34.92N 24.14E 17–2 3.2L,3.7
THE IV 21 02 29 54.9 34.92N 24.17E 8–1 3.1L,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=26.3km s-min=19.8km az=151.0.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.6km s-min=0.9km az=200.0.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.8km az=187.0.
THE IV 22 01 28 49.5 35.85N 23.53E 14–2 2.2L
¶611015679
THE Event type ke. Error ellipse: s-maj=3.7km s-min=0.7km az=234.0.
ISC IV 24 17 10 07.4–1.8 34.63N–.09 23.34E–.07 33–3 3.8b 38 1-46
IDC IV 24 17 09 59.0–9.0 34.16N 23.13E 0 3.8b,3.8L **¶610649912**
ISK IV 24 17 10 08.9 34.81N 23.36E 22–0 3.4L,3.8L
ATH IV 24 17 10 09.4 34.72N 23.36E 7–3 3.1L,3.8L
THE IV 24 17 10 09.4 34.58N 23.40E 29–3 3.1L,3.8L
DDA IV 24 17 10 15.0–.00 34.92N 24.53E 15 3.1L,3.8L
ISC Event type ke.
IDC Error ellipse: s-maj=167.4km s-min=44.2km az=35.0.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=4.6km s-min=1.7km az=60.0.
THE Event type ke. Error ellipse: s-maj=6.7km s-min=1.6km az=29.0.
ISC IV 28 00 43 54.2–1.4 35.09N–.05 23.16E–.05 31–9 3.2b 59 0-46
IDC IV 28 00 43 49.1–1.6 33.74N 25.00E 0 3.3,3.3b **¶610650176**
THE IV 28 00 43 51.3 34.97N 22.92E 10–1 2.7L,3.3b
ATH IV 28 00 43 52.1 34.99N 23.02E 13–3 2.8L,3.3b
ISK IV 28 00 43 52.0 35.04N 23.07E 21–0 2.9L,3.3b
DDA IV 28 00 43 57.0–.00 35.31N 23.45E 89–55 2.8L,3.3b
ISC Event type ke.
IDC Error ellipse: s-maj=36.9km s-min=24.7km az=112.0.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=1.0km az=52.0.
ATH Event type ke. Error ellipse: s-maj=3.7km s-min=1.6km az=55.0.
ISK Event type ke.
ISC IV 28 03 08 31.9–.90 35.45N–.03 25.43E–.03 71–6 157 0-43
HLW IV 28 03 08 30.2 35.36N 25.56E 10–35 3.5L **¶610650184**
ISK IV 28 03 08 32.6 35.53N 25.37E 57–2 3.2L
ATH IV 28 03 08 33.8 35.51N 25.38E 59–2 3.2L
THE IV 28 03 08 34.5 35.51N 25.37E 51–2 3.0L
DDA IV 28 03 08 36.0–.00 35.63N 25.58E 41 2.8L
IDC IV 28 03 08 41.1–5.1 36.11N 26.33E 68–55 3.4L,3.2
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.0km s-min=0.9km az=184.0.
THE Event type ke. Error ellipse: s-maj=2.1km s-min=0.7km az=174.0.
IDC Error ellipse: s-maj=79.0km s-min=30.9km az=143.0.
ISC IV 29 22 08 42.0–1.5 34.23N–.05 26.29E–.03 11–9 3.6b 80 1-45
IDC IV 29 22 08 40.9–1.2 34.22N 26.23E 0 3.6b,3.6L **¶610650355**
ISK IV 29 22 08 42.9 34.29N 26.27E 9–0 3.1L,3.6L
THE IV 29 22 08 43.1 34.28N 26.36E 0–1 2.8L,3.6L
ATH IV 29 22 08 46.3 34.39N 26.15E 9–3 2.9L,3.6L
DDA IV 29 22 08 56.0–.00 34.72N 26.86E 15–83 2.6L,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=23.6km s-min=15.5km az=10.0.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=3.5km s-min=1.1km az=171.0.
ATH Event type ke. Error ellipse: s-maj=5.8km s-min=1.6km az=342.0.
ISC IV 29 22 33 26.7–.93 35.56N–.03 23.86E–.06 18–5 25 0-2
ATH IV 29 22 33 25.7 35.56N 23.89E 26–2 2.5L **¶610923769**
ISK IV 29 22 33 26.1 35.57N 23.85E 9–0 2.4L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.8km s-min=1.3km az=175.0.
ISK Event type ke.
ISC IV 29 23 06 54.0–1.0 35.59N–.03 23.94E–.03 15–11 20 0-1
THE IV 29 23 06 54.0 35.54N 23.89E 23–1 2.1L **¶610923779**
ISK IV 29 23 06 54.1 35.57N 23.85E 9–1 2.7L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=2.3km s-min=1.0km az=201.0.
ISK Event type ke.
ISC V 01 05 42 52.7–1.7 34.60N–.06 24.84E–.03 1–11 3.6b 32 0-46
IDC V 01 05 42 52.6–1.4 34.61N 24.80E 0 3.6,3.6b **¶610689282**
THE V 01 05 42 53.7 34.62N 24.84E 0–1 3.0L,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=25.9km s-min=11.6km az=99.0.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.7km az=178.0.
ISC V 01 12 41 46.7–1.8 34.9N–.10 26.39E–.04 15–8 21 0-2
THE V 01 12 41 47.9 35.01N 26.31E 21–1 2.6L **¶611015861**
ISK V 01 12 41 49.0 35.21N 26.31E 5–0 2.8L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=3.4km s-min=0.7km az=330.0.
ISK Event type ke.
ISC V 02 18 56 37.0–1.0 34.92N–.05 24.75E–.03 28–6 43 0-2
THE V 02 18 56 35.0 34.82N 24.90E 31–1 2.3L **¶611015891**
ISK V 02 18 56 36.2 34.86N 24.76E 9–0 2.6L
ATH V 02 18 56 36.9 34.89N 24.77E 24–1 2.2L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=2.1km s-min=0.7km az=317.0.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.9km s-min=1.3km az=348.0. ML Amplitudes are expressed in micrometers.
ISC V 02 22 47 29.1–.92 35.26N–.03 26.87E–.02 15–6 4.3b 404 0-84
NIC V 02 22 47 27.2–.00 35.23N 26.92E 1–1 4.4L **¶610592379**
IDC V 02 22 47 27.3–.63 35.44N 26.84E 0 4.1,4.1b
MOS V 02 22 47 27.3–1.1 35.26N 26.80E 13 4.3b,4.1b
ISK V 02 22 47 28.2 35.42N 26.80E 5–0 4.1L,4.1b
NEIC V 02 22 47 29.7–1.9 35.31N–.04 26.86E–.04 12–4 4.2b,4.1b
ATH V 02 22 47 29.9 35.36N 26.83E 5–1 3.9L,4.1b
THE V 02 22 47 29.1 35.30N 26.87E 2–1 3.9L,4.1b
DDA V 02 22 47 31.2–.00 35.77N 26.74E 8–4 4.0W,4.1b
GII V 02 22 47 32.5–.00 34.97N 27.13E 10 4.2,4.2b
ISC Event type ke.
NIC Event type ke.
IDC Error ellipse: s-maj=16.3km s-min=9.4km az=168.0.
MOS Error ellipse: s-maj=6.7km s-min=4.3km az=82.2.
ISK Event type ke.
NEIC Event type se. Error ellipse: s-maj=6.8km s-min=1.9km az=138.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ATH Event type ke. Error ellipse: s-maj=4.1km s-min=0.8km az=151.0. ML Amplitudes are expressed in micrometers.
THE Event type ke. Error ellipse: s-maj=2.5km s-min=0.5km az=148.0.
GII Event type ke.
ISC V 03 07 31 26.1–1.3 35.53N–.04 23.33E–.05 42–10 43 0-7
ISK V 03 07 31 25.9 35.65N 23.51E 54–0 3.1L **¶611015911**
HLW V 03 07 31 25.8 35.39N 23.60E 10–26 3.5L
THE V 03 07 31 27.2 35.57N 23.32E 28–1 2.9L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=2.1km s-min=0.8km az=58.0.
ISC V 03 12 43 35.7–1.8 34.30N–.07 26.07E–.04 5–11 4.0b 40 1-45
ISK V 03 12 43 34.6 34.26N 26.22E 6–0 3.4L **¶610689480**
IDC V 03 12 43 35.3–1.2 34.26N 25.99E 0 3.9,3.9b
THE V 03 12 43 35.8 34.35N 26.09E 6–9 3.2L,3.9b
ISC Event type ke.
ISK Event type ke.
IDC Error ellipse: s-maj=21.7km s-min=14.3km az=31.0.
THE Event type ke. Error ellipse: s-maj=15.3km s-min=2.9km az=110.0.
ISC V 03 13 53 24.8–.92 35.30N–.03 26.82E–.02 12–6 4.3b 376 0-84
MOS V 03 13 53 23.3–1.4 35.28N 26.84E 12 4.6b **¶610593823**
NIC V 03 13 53 23.9–.00 35.26N 26.90E 10–2 4.3L
IDC V 03 13 53 23.1–.61 35.40N 26.83E 0 4.3b,4.2
ISK V 03 13 53 24.7 35.40N 26.82E 8–0 4.1L,4.2
THE V 03 13 53 24.2 35.28N 26.87E 9–1 4.1L,4.2
ATH V 03 13 53 25.4 35.38N 26.82E 6–1 4.1L,4.2
NEIC V 03 13 53 25.2–3.0 35.27N–.05 26.86E–.05 9–5 4.2b,4.2
DDA V 03 13 53 26.8–.00 35.73N 26.78E 8–3 4.0W,4.2
ISC Event type ke.
MOS Error ellipse: s-maj=6.7km s-min=4.1km az=78.9.
NIC Event type ke.
IDC Error ellipse: s-maj=15.2km s-min=8.5km az=169.0.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=2.7km s-min=0.3km az=332.0.
ATH Event type ke. Error ellipse: s-maj=3.5km s-min=0.6km az=152.0. ML Amplitudes are expressed in micrometers.
NEIC Event type se. Error ellipse: s-maj=8.6km s-min=5.0km az=146.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 03 18 11 42.2–1.7 34.32N–.07 26.12E–.03 12–11 30 1-44
IDC V 03 18 11 39.1–1.8 34.23N 26.50E 0 3.5s,3.4 **¶610689495**
ISK V 03 18 11 41.6 34.34N 26.02E 5–0 3.0L,3.4
DDA V 03 18 12 00.0–.00 35.84N 26.17E 35 2.7L,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=523.1km s-min=28.6km az=142.0.
ISK Event type ke.
ISC V 08 02 33 49.6–.96 35.41N–.05 26.80E–.03 13–7 76 0-43
THE V 08 02 33 48.5 35.29N 26.86E 1–1 2.9L **¶610689773**
ISK V 08 02 33 48.8 35.36N 26.83E 8–0 3.1L
DDA V 08 02 33 52.7–.00 35.49N 26.74E 26–5 3.6L
IDC V 08 02 33 55.0–5.3 35.94N 26.17E 58–56 3.2,3.1b
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=5.8km s-min=0.8km az=151.0.
ISK Event type ke.
IDC Error ellipse: s-maj=286.2km s-min=28.2km az=144.0.
ISC V 13 17 39 52.5–1.7 34.1N–.10 25.05E–.05 35 29 1-46
IDC V 13 17 39 48.1–6.0 34.08N 24.91E 0 4.0L,3.9b **¶610690208**
THE V 13 17 39 54.0 34.32N 24.99E 0–4 2.7L,3.9b
DDA V 13 17 40 00.0–.00 34.29N 25.56E 40 2.9L,3.9b
ISC Event type ke.
IDC Error ellipse: s-maj=99.5km s-min=46.3km az=30.0.
THE Event type ke. Error ellipse: s-maj=7.9km s-min=1.6km az=179.0.
ISC V 14 00 26 04.2–1.3 34.52N–.03 25.55E–.02 13–8 3.3b 111 1-78
IDC V 14 00 26 02.0–1.3 34.69N 25.53E 0 3.5,3.4b **¶610690226**
ISK V 14 00 26 05.4 34.57N 25.50E 11–0 2.9L,3.4b
HLW V 14 00 26 05.7 34.56N 25.55E 13–25 3.4,3.4b
DDA V 14 00 26 06.0–.00 34.56N 25.81E 7 3.4W,3.4b
THE V 14 00 26 06.1 34.59N 25.47E 0–0 2.9L,3.4b
ATH V 14 00 26 06.9 34.66N 25.44E 26–1 3.1L,3.4b
ISC Event type ke.
IDC Error ellipse: s-maj=26.2km s-min=16.2km az=30.0.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.6km az=165.0.
ATH Event type ke. Error ellipse: s-maj=2.6km s-min=0.9km az=355.0. ML Amplitudes are expressed in micrometers.
ISC V 17 18 26 36.5–1.2 34.59N–.05 24.38E–.03 17–7 3.8b 109 0-97
IDC V 17 18 26 34.6–.89 34.64N 24.36E 0 3.9,3.9b **¶610667694**
ISK V 17 18 26 36.6 34.69N 24.32E 5–0 3.7L,3.9b
THE V 17 18 26 37.7 34.68N 24.32E 0–2 3.5L,3.9b
DDA V 17 18 26 43.0–.00 34.81N 24.68E 15–44 3.9W,3.9b
GII V 17 18 26 43.9–.00 34.25N 24.92E 5 3.9W,3.9b
ISC Event type ke.
IDC Error ellipse: s-maj=18.0km s-min=10.1km az=134.0.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=4.5km s-min=0.9km az=181.0.
GII Event type ke.
ISC V 20 00 16 43.1–1.5 34.03N–.06 25.24E–.04 16–10 84 1-9
ISK V 20 00 16 42.6 34.00N 25.20E 5–0 3.2L **¶611016270**
THE V 20 00 16 45.1 34.07N 25.16E 0–3 3.0L
ATH V 20 00 16 49.5 34.35N 25.11E 23–2 2.9L
GII V 20 00 16 53.6–.00 33.80N 26.07E 1–1 3.2
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=7.0km s-min=1.3km az=158.0.
ATH Event type ke. Error ellipse: s-maj=3.6km s-min=1.8km az=351.0. ML Amplitudes are expressed in micrometers.
GII Event type ke.
ISC V 20 09 10 51.2–1.5 34.93N–.06 26.68E–.03 0–9 3.9b 102 0-78
ATH V 20 09 10 51.2 34.95N 26.74E 4–1 3.8L **¶610685019**
THE V 20 09 10 52.2 35.04N 26.68E 0–1 3.6L
IDC V 20 09 10 52.1–1.2 34.94N 26.66E 0 3.9b,3.8
ISK V 20 09 10 53.3 35.22N 26.57E 5–0 3.7L,3.8
DDA V 20 09 10 55.6–.00 35.07N 27.13E 10–3 3.8W,3.8
ISC Event type ke.
ATH Event type ke. Manual Solution by G.Panopoulou ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 2 km; Longitude uncertainty: 1 km.
THE Event type ke. Error ellipse: s-maj=7.0km s-min=1.0km az=154.0.
IDC Error ellipse: s-maj=29.8km s-min=16.0km az=171.0.
ISK Event type ke.
ISC V 20 09 12 24.3–1.2 34.92N–.04 26.71E–.02 6–8 3.9b,3.3s 188 0-78
IDC V 20 09 12 24.2–.92 34.95N 26.69E 0 4.0b,3.9 **¶610646345**
THE V 20 09 12 26.4 35.09N 26.65E 0–1 3.8L,3.9
ISK V 20 09 12 26.9 35.24N 26.60E 3–0 3.9L,3.9
NEIC V 20 09 12 26.4–2.3 35.02N–.05 26.63E–.05 10–2 4.1b,3.9
ATH V 20 09 12 27.3–.38 35.11N 26.61E 10 4.1L,3.9
GII V 20 09 12 30.8–.00 34.59N 27.02E 8 4.0b,3.9
DDA V 20 09 12 31.0–.00 35.05N 26.92E 35 4.1W,3.9
ISC Event type ke.
IDC Error ellipse: s-maj=20.2km s-min=12.5km az=4.0.
THE Event type ke. Error ellipse: s-maj=8.6km s-min=1.1km az=157.0.
ISK Event type ke.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=5.2km az=143.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ATH Event type ke. Manual Solution by G.Panopoulou ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 3 km; Longitude uncertainty: 1 km.

GII Event type ke.
ISC V 25 12 06 58.3–.97 35.82N–.03 23.16E–.04 12–6 3.5b,2.9s 71 0-46
IDC V 25 12 06 57.3–1.6 35.85N 23.22E 0 3.6b,3.5 ¶610685363
ISK V 25 12 06 57.9 35.82N 23.19E 9–0 3.4L,3.5
ATH V 25 12 06 58.1 35.84N 23.22E 20–1 3.3L,3.5
THE V 25 12 06 58.3 35.81N 23.15E 9–1 3.2L,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=31.8km s-min=24.7km az=167.0.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.2km s-min=1.0km az=58.0. ML Amplitudes are expressed in micrometers.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.4km az=55.0.
ISC V 26 06 04 43.7–1.3 35.20N–.06 23.18E–.07 52–8 3.5b,3.1s 74 0-77
IDC V 26 06 04 36.1–1.5 35.23N 23.12E 0 3.6,3.6b ¶610685409
ISK V 26 06 04 43.2 35.22N 23.27E 65–0 3.7L,3.6b
THE V 26 06 04 44.6 35.21N 23.08E 23–1 3.5L,3.6b
DDA V 26 06 04 46.0–.00 35.49N 23.40E 12 3.7W,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=42.0km s-min=25.0km az=135.0.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.8km az=52.0.
ISC V 26 22 14 39.0–1.1 35.26N–.05 23.23E–.06 57–7 3.4b 75 0-46
IDC V 26 22 14 30.1–3.9 35.22N 22.73E 0 3.6b,3.5 ¶610685457
ISK V 26 22 14 37.4 35.17N 23.08E 20–0 3.3L,3.5
THE V 26 22 14 40.0 35.21N 23.16E 40–3 3.1L,3.5
DDA V 26 22 14 42.0–.00 35.54N 23.46E 15 3.4W,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=75.6km s-min=21.4km az=22.0.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=3.9km s-min=0.8km az=60.0.
ISC V 28 09 38 06.4–1.1 34.79N–.07 25.38E–.03 21–5 33 0-30
IDC V 28 09 38 04.9–1.9 34.89N 24.62E 0 3.6b,3.4 ¶610685548
THE V 28 09 38 06.2 34.74N 25.34E 0–1 2.9L,3.4
ATH V 28 09 38 06.6 34.81N 25.35E 30–1 3.0L,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=82.7km s-min=16.1km az=126.0.
THE Event type ke. Error ellipse: s-maj=2.8km s-min=0.8km az=192.0.
ATH Event type ke. Error ellipse: s-maj=4.1km s-min=1.2km az=5.0. ML Amplitudes are expressed in micrometers.
ATH V 30 02 30 00.5 35.31N 25.59E 23–3 1.8L
¶616764335
ATH Event type ke. Error ellipse: s-maj=3.2km s-min=1.2km az=91.0. ML Amplitudes are expressed in micrometers.
ISC VI 04 04 26 47.0–1.3 35.15N–.05 23.59E–.05 33–5 33 0-2
ATH VI 04 04 26 42.3 34.95N 23.42E 14–2 2.7L ¶611016717
THE VI 04 04 26 44.6 35.17N 23.37E 45–1 2.5L
ISK VI 04 04 26 45.3 35.13N 23.57E 30–0 2.7L
ISC Event type ke.
ATH Event type ke. Manual Solution by F.Xalaris First location: 2019/10/17 07:59:28, ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=1.2km az=277.0.
ISK Event type ke.
ISC VI 07 23 09 07.3–.66 34.65N–.05 23.87E–.04 22–2 3.9b 112 0-46
IDC VI 07 23 09 04.8–1.2 34.63N 23.82E 0 3.9L,3.8b ¶610791427
THE VI 07 23 09 06.2 34.67N 23.74E 0–3 3.2L,3.8b
ISK VI 07 23 09 06.0 34.67N 23.79E 21–0 3.5L,3.8b
DDA VI 07 23 09 07.0–.00 34.90N 23.68E 15 3.2L,3.8b
NEIC VI 07 23 09 09.7–2.6 34.66N–.09 23.88E–.06 33–9 4.1b,3.8b
GII VI 07 23 09 12.0–.00 34.53N 24.21E 20–2 4.1b,3.8b
ISC Event type ke.
IDC Error ellipse: s-maj=22.1km s-min=12.0km az=159.0.
THE Event type ke. Error ellipse: s-maj=4.9km s-min=0.8km az=201.0.
ISK Event type ke.
NEIC Event type se. Error ellipse: s-maj=13.5km s-min=6.6km az=192.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GII Event type ke.
ISC VI 08 15 52 43.6–1.2 34.54N–.06 23.90E–.04 28–7 4.0b 128 0-99
IDC VI 08 15 52 39.3–1.9 34.53N 23.83E 0 3.8,3.8b ¶610791474
NEIC VI 08 15 52 43.7–2.5 34.61N–.08 23.87E–.07 22–6 4.2b,3.8b
THE VI 08 15 52 47.5 34.74N 23.88E 19–1 3.5L,3.8b
ISK VI 08 15 52 47.9 34.89N 23.96E 21–0 3.6L,3.8b
DDA VI 08 15 52 53.0–.00 34.51N 24.84E 162–61 3.9W,3.8b
GII VI 08 15 52 53.1–.19 34.84N 24.78E 40–1 3.9,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=32.0km s-min=18.7km az=7.0.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=7.8km az=198.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
THE Event type ke. Error ellipse: s-maj=2.3km s-min=1.0km az=29.0.
ISK Event type ke.
GII Event type ke.
ISC VI 08 16 25 59.4–1.4 34.78N–.09 24.00E–.06 31–5 40 0-11
THE VI 08 16 25 59.0 34.74N 23.87E 25–0 3.0L ¶611016801
ISK VI 08 16 26 00.8 34.96N 24.09E 18–0 3.1L
GII VI 08 16 26 06.3–.41 34.93N 24.91E 40 3.6
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.6km az=209.0.
ISK Event type ke.
GII Event type ke.
ISC VI 09 22 05 07.2–1.7 34.63N–.09 25.95E–.05 28–11 3.4b 24 0-44
IDC VI 09 22 05 02.8–1.7 34.67N 25.65E 0 3.5,3.5b ¶610791558
THE VI 09 22 05 05.0 34.46N 26.03E 0–2 3.0L,3.5b
ATH VI 09 22 05 08.6 34.62N 25.99E 12–5 2.9L,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=66.3km s-min=29.1km az=138.0.
THE Event type ke. Error ellipse: s-maj=5.1km s-min=1.3km az=136.0.
ATH Event type ke. Error ellipse: s-maj=7.6km s-min=1.9km az=359.0. ML Amplitudes are expressed in micrometers.
ISC VI 10 08 12 38.5–.73 34.99N–.04 25.47E–.02 30–5 3.8b,3.4s 107 0-78
IDC VI 10 08 12 33.8–.94 35.13N 25.75E 0 3.8b,3.7L ¶610670940
ISK VI 10 08 12 38.0 34.94N 25.44E 7–0 3.8L,3.7L
ATH VI 10 08 12 38.9 34.90N 25.47E 11–1 3.9L,3.7L
THE VI 10 08 12 38.1 34.93N 25.45E 0–1 3.8L,3.7L
ISC Event type ke.
IDC Error ellipse: s-maj=20.0km s-min=8.2km az=3.0.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.0km s-min=0.9km az=7.0. ML Amplitudes are expressed in micrometers.
THE Event type ke. Error ellipse: s-maj=2.2km s-min=0.8km az=183.0.
ISC VI 11 09 31 45.6–1.1 35.02N–.06 25.45E–.02 7–10 32 0-4
ISK VI 11 09 31 43.3 34.91N 25.44E 5–0 2.9L ¶611016844
THE VI 11 09 31 44.6 34.94N 25.47E 0–1 3.0L
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=3.7km s-min=1.1km az=195.0.
ISC VI 14 07 10 03.2–.86 34.52N–.04 23.77E–.03 6–4 4.5b,3.6s 423 0-119
IDC VI 14 07 10 01.0–.88 34.64N 23.73E 0 4.1,4.1b ¶610673026
MOS VI 14 07 10 02.3–1.6 34.52N 23.72E 14 4.7b,4.1b
BGR VI 14 07 10 04.0 34.58N 24.16E 10 4.2s,4.2b
ISK VI 14 07 10 04.5 34.66N 23.73E 8–0 4.2L,4.2b
ATH VI 14 07 10 04.7 34.62N 23.71E 16 4.4W,4.2b
NEIC VI 14 07 10 04.8–2.3 34.54N–.03 23.84E–.07 10–1 4.4b,4.2b
DDA VI 14 07 10 04.2–.00 34.50N 23.66E 5–4 4.3W,4.2b
THE VI 14 07 10 06.5 34.75N 23.75E 0–4 4.2L,4.2b
MED_R VI 14 07 10 06.0–.90 34.66N 23.79E 22–4 4.5W,4.2b
GII VI 14 07 10 08.5–.00 34.69N 24.19E 20 4.5b,4.5
NAO VI 14 07 10 37.8 38.42N 25.48E 33 3.8b,4.5
ISC Event type ke.
IDC Error ellipse: s-maj=18.0km s-min=10.0km az=175.0.
MOS Error ellipse: s-maj=6.5km s-min=3.6km az=80.2.
BGR Event type ke.
ISK Event type ke.
ATH Moment Tensor Solution. s6 Moment tensor: M_{rr}0.47 $M_{\theta\theta}$-3.60 $M_{\phi\phi}$3.13 $M_{r\theta}$2.13 $M_{\theta\phi}$0.12 $M_{\phi r}$1.43 NP1:ϕ_s317.00000°,δ52.00000°,λ177.00000°. NP2:ϕ_s48.00000°,δ88.00000° ,λ38.00000°.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=5.5km az=267.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
THE Event type ke. Error ellipse: s-maj=5.7km s-min=1.2km az=213.0.
MED_R nsta1 refers to body waves. nsta2 refers to surface waves, cutoff=35s. Moment Tensor Solution. Mantle waves: s6,c7;Duration: 1s0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.13±.17 $M_{\theta\theta}$-0.72±.14; $M_{\phi\phi}$0.85±.16; $M_{r\theta}$0.27±.10; $M_{\theta\phi}$0.02±.13; $M_{\phi r}$0.06±.13; Best double couple: NP1:ϕ_s224.00000°,δ78.00000°,λ-18.00000°. NP2:ϕ_s318.00000°,δ72.00000°,λ-167.00000°. Principal axes: T 0.8600,Plg4.0000°,Azm271.0000°; N -0.0300,Plg68.0000°,Azm11.0000° ; P -0.8300,Plg21.0000°,Azm180.0000° $M_0$0.84000×10^{16}
GII Event type ke.
ISC VI 14 10 10 01.0–1.9 34.47N–.08 24.06E–.08 18–9 3.4b 18 0-45
IDC VI 14 10 09 58.6–1.6 33.68N 24.90E 0 3.8s,3.5b ¶610791858
THE VI 14 10 10 01.4 34.49N 23.96E 10–2 2.8L,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=62.9km s-min=23.0km az=153.0.
THE Event type ke. Error ellipse: s-maj=2.3km s-min=1.5km az=63.0.
ISC VI 15 15 10 16.5–1.4 34.44N–.05 26.15E–.03 14–9 3.6b 90 1-45
IDC VI 15 15 10 15.5–1.2 34.46N 26.25E 0 3.6b,3.4 ¶610791946
DDA VI 15 15 10 17.9–.00 34.58N 26.55E 8–5 3.2L,3.4
THE VI 15 15 10 18.6 34.57N 26.12E 0–3 2.8L,3.4
ISK VI 15 15 10 18.7 34.59N 26.18E 17–0 3.3L,3.4
ATH VI 15 15 10 19.5 34.59N 26.13E 12–3 3.1L,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=24.4km s-min=15.3km az=9.0.
THE Event type ke. Error ellipse: s-maj=4.6km s-min=1.1km az=160.0.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=5.4km s-min=1.7km az=335.0. ML Amplitudes are expressed in micrometers.
ISC VI 15 17 37 47.3–1.6 34.83N–.06 23.10E–.05 19–4 3.8b 62 1-61
IDC VI 15 17 37 39.1–3.1 34.45N 22.70E 0 3.7b,3.7L ¶610791953
ATH VI 15 17 37 49.9 34.84N 23.18E 26–1 3.0L,3.7L
THE VI 15 17 37 49.5 34.88N 23.09E 19–2 3.0L,3.7L
ISC Event type ke.
IDC Error ellipse: s-maj=54.6km s-min=28.0km az=25.0.
ATH Event type ke. Error ellipse: s-maj=2.5km s-min=1.2km az=182.0. ML Amplitudes are expressed in micrometers.
THE Event type ke. Error ellipse: s-maj=2.3km s-min=1.0km az=134.0.
ISC VI 21 12 46 02.4–.50 35.32N–.04 24.52E–.03 68–4 4.0b 310 0-119
DDA VI 21 12 46 00.7–.00 34.92N 24.74E 6–5 4.1W ¶610689208
IDC VI 21 12 46 02.3–.60 35.47N 24.50E 52–8 4.0,3.8b
NEIC VI 21 12 46 02.7–2.0 35.29N–.09 24.49E–.07 68–9 4.1b,3.8b
ISK VI 21 12 46 04.9 35.54N 24.53E 31–0 4.1L,3.8b
ATH VI 21 12 46 04.1 35.37N 24.51E 65–2 4.3L,3.8b
THE VI 21 12 46 04.5 35.39N 24.51E 60–1 4.2L,3.8b
GII VI 21 12 46 07.0–.00 34.92N 25.26E 10 4.3b,4.2
ISC Event type ke.
IDC Error ellipse: s-maj=17.4km s-min=13.2km az=9.0.
NEIC Event type se. Error ellipse: s-maj=12.9km s-min=8.1km az=177.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.0km s-min=1.2km az=189.0. ML Amplitudes are expressed in micrometers.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.6km az=191.0.
GII Event type ke.
ISC VI 21 16 22 23.4–.94 35.71N–.03 23.52E–.03 10–7 3.8b 70 0-46
IDC VI 21 16 22 22.0–1.5 35.74N 23.51E 0 4.0L,3.7 ¶610789219
ISK VI 21 16 22 22.7 35.68N 23.48E 10–0 3.4L,3.7
THE VI 21 16 22 23.4 35.70N 23.51E 2–1 3.2L,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=30.2km s-min=15.7km az=16.0.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.3km az=234.0.
ATH VI 22 04 35 18.1 34.42N 23.47E 21–2 2.7L
¶616764640
ATH Event type ke. Manual Solution by M.Kolligri ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 17 km; Longitude uncertainty: 3 km.
ISC VI 22 06 56 15.1–1.3 34.93N–.04 26.73E–.03 6–9 3.8b,3.2s 106 0-65
DDA VI 22 06 56 13.0–.00 34.73N 26.37E 15 3.7W,3.2s ¶610789251
IDC VI 22 06 56 14.7–1.1 34.90N 26.67E 0 3.7b,3.6
ISK VI 22 06 56 16.3 35.06N 26.72E 8–0 3.7L,3.6
THE VI 22 06 56 17.1 35.10N 26.65E 1–2 3.5L,3.6
GII VI 22 06 56 18.4–.00 34.63N 26.87E 10 3.5,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=24.8km s-min=14.9km az=174.0.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=5.6km s-min=0.8km az=156.0.
GII Event type ke.
ISC VI 23 08 22 01.2–1.3 35.05N–.07 23.16E–.07 51–11 3.7b 38 0-75
THE VI 23 08 22 01.1 35.06N 23.07E 18–0 3.0L ¶610789324
IDC VI 23 08 22 02.4–2.5 35.19N 23.27E 63–27 3.7,3.5b
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.6km az=212.0.
IDC Error ellipse: s-maj=27.4km s-min=22.8km az=141.0.
ISC VI 24 20 51 40.6–.94 34.95N–.04 25.45E–.02 17–6 3.7b 95 0-45
IDC VI 24 20 51 38.1–1.8 34.81N 25.42E 0 3.7b,3.5 ¶610789403
ISK VI 24 20 51 39.1 34.95N 25.47E 8–0 3.4L,3.5
ATH VI 24 20 51 39.5 34.89N 25.46E 8–1 3.5L,3.5
THE VI 24 20 51 39.5 34.95N 25.46E 0–1 3.3L,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=33.3km s-min=8.6km az=32.0.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.4km s-min=0.9km az=5.0. ML Amplitudes are expressed in micrometers.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.7km az=181.0.
ISC VI 24 23 30 23.3–.92 35.03N–.06 26.52E–.04 10 38 0-9
ISK VI 24 23 30 24.4 35.29N 26.33E 5–0 2.8L ¶611510939
DDA VI 24 23 30 28.0–.00 35.30N 26.66E 33 2.5L
GII VI 24 23 30 30.5–.00 34.27N 26.69E 1–0 2.5L
ISC Event type ke.
ISK Event type ke.
GII Event type ke.
ISC VI 27 23 39 30.2–1.4 34.5N–.10 25.62E–.04 85–10 3.5b 45 1-44
IDC VI 27 23 39 17.8–1.5 33.82N 25.61E 0 3.8b,3.4 ¶610789604
ISK VI 27 23 39 29.2 34.90N 25.42E 119–1 2.6L,3.4
DDA VI 27 23 39 34.0–.00 34.36N 26.52E 15 2.7L,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=26.4km s-min=24.2km az=47.0.
ISK Event type ke.
ISC VI 29 11 25 01.3–.00 34.81N–.06 23.43E–.05 45–9 3.8b,3.0s 156 1-119
IDC VI 29 11 25 00.7–2.1 34.94N 23.52E 35–16 3.9,3.8L ¶610789716
ATH VI 29 11 25 01.5 34.85N 23.37E 16–2 3.7L,3.8L
THE VI 29 11 25 02.1 34.86N 23.38E 17–1 3.7L,3.8L
ISK VI 29 11 25 03.5 35.02N 23.65E 30–0 3.8L,3.8L
GII VI 29 11 25 08.3–.00 34.56N 24.30E 20–1 3.9,3.8L
ISC Event type ke.
IDC Error ellipse: s-maj=18.8km s-min=15.6km az=3.0.
ATH Event type ke. Error ellipse: s-maj=2.7km s-min=1.1km az=175.0. ML Amplitudes are expressed in micrometers.
THE Event type ke. Error ellipse: s-maj=2.5km s-min=0.9km az=195.0.
ISK Event type ke.
GII Event type ke.

(371) Eastern Mediterranean Sea.

ISC I 01 13 04 01.8–.66 34.88N–.03 27.05E–.02 14–3 4.9b,4.2s 968 1-116
BGR I 01 13 03 45.8–2.3 33.45N 27.54E 10 4.3b,4.2s ¶611831441
DDA I 01 13 03 54.8–.00 34.60N 26.92E 7–3 4.6W,4.2s
ISK I 01 13 03 59.9 34.95N 27.18E 5–0 4.7L,4.2s
IDC I 01 13 04 00.1–.46 35.10N 26.99E 0 4.7b,4.6
MOS I 01 13 04 00.5–1.4 34.78N 27.02E 23 5.1b,4.4s
HLW I 01 13 04 00.1 35.14N 27.21E 25–11 5.0L,4.6
ATH I 01 13 04 01.9 34.90N 27.08E 7–4 4.4L,4.6
GCMT I 01 13 04 01.9–.30 34.93N–.01 26.96E–.02 14–1 4.9W,4.6
THE I 01 13 04 01.7 34.89N 27.06E 0–2 4.6L,4.6
NEIC I 01 13 04 01.9–1.2 34.99N–.07 27.04E–.06 10–1 4.9b,4.6
GII I 01 13 04 03.0–.00 34.36N 27.28E 1–0 4.3,4.3b
MED_R I 01 13 04 03.0–.30 34.95N 26.93E 21–1 5.0W,4.3b
ISC Event type ke. Moment Tensor Solution. NP1:ϕ_s263.88565°,δ78.47265°,λ-4.59307°. NP2: ϕ_s354.80539°,δ85.49977°,λ-168.43651°. Principal axes: T Plg4.9234°,Azm128.8581° ; N Plg77.6028°,Azm15.7863°; P Plg11.3491°,Azm219.8488°
BGR Event type ke. Error ellipse: s-maj=73.4km s-min=68.9km az=44.0.
ISK Event type ke.
IDC Error ellipse: s-maj=11.9km s-min=9.5km az=156.0.
MOS Error ellipse: s-maj=4.1km s-min=2.2km az=104.7.
ATH Event type ke. Error ellipse: s-maj=14.2km s-min=2.1km az=321.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s31,c36; s110,c157;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.87±.10 $M_{\theta\theta}$-2.49±.09; $M_{\phi\phi}$1.62±.07; $M_{r\theta}$-0.06±.16; $M_{\theta\phi}$1.74±.08; $M_{\phi r}$-0.85±.20; Best double couple: NP1:ϕ_s152.00000°,δ75.00000°,λ159.00000°. NP2:ϕ_s248.00000°,δ70.00000°,λ16.00000°. Principal axes: T 2.6360,Plg25.0000° ,Azm109.0000°; N 0.5040,Plg65.0000°,Azm298.0000°; P -3.1420,Plg3.0000°,Azm201.0000° $M_0$2.88900×10^{16}
THE Event type ke. Error ellipse: s-maj=4.6km s-min=1.2km az=150.0.
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=8.8km az=187.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GII Event type ke.
MED_R Error ellipse: s-maj=2.2km s-min=2.2km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=35s. Moment Tensor Solution. Body waves: s4,c4; Mantle waves: s29,c44;Duration: 1§1 Moment tensor: Scale 10^{16}Nm; M_{rr}0.75±.17 $M_{\theta\theta}$-2.62±.11; $M_{\phi\phi}$1.87±.14; $M_{r\theta}$1.15±.23; $M_{\theta\phi}$1.69±.12; $M_{\phi r}$-1.74±.27; Best double couple: NP1:ϕ_s149.00000°,δ83.00000°,λ141.00000°. NP2:ϕ_s245.00000°,δ52.00000°,λ9.00000°. Principal axes: T 3.2400,Plg32.0000°,Azm99.0000°; N 0.5800,Plg51.0000°,Azm321.0000° ; P -3.8100,Plg21.0000°,Azm203.0000° $M_0$3.52000×10^{16}

ISC I 03 22 09 30.9–2.7 34.7N–.10 27.19E–.08 26–15 17 1-2
THE I 03 22 09 34.1 35.89N 26.47E 0–1 2.5L ¶610678791
ATH I 03 22 09 35.3 34.91N 27.06E 6–7 2.6L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=2.1km s-min=1.0km az=336.0.
ATH Event type ke. Error ellipse: s-maj=10.3km s-min=1.7km az=323.0.

ISC I 06 18 48 10.2–1.6 35.37N–.04 29.40E–.06 29–15 58 1-7
ISK I 06 18 48 08.3 35.26N 29.42E 14–0 3.1L ¶610098398
GII I 06 18 48 13.8–.00 34.89N 29.58E 10 3.1
NIC I 06 18 48 14.3–.00 35.49N 29.74E 88–9 3.0L
DDA I 06 18 48 16.0–.00 35.90N 29.40E 10–8 2.6L
ISC Event type ke.
ISK Event type ke.
GII Event type ke.
NIC Event type ke.

ISC I 08 09 22 16.1–.99 33.53N–.02 33.25E–.03 19–3 4.1b 285 1-82
IDC I 08 09 22 13.4–1.3 33.61N 33.12E 0 4.2L,4.0 ¶610049679
MOS I 08 09 22 15.4–1.5 33.60N 33.32E 27 4.4b,4.0
ISK I 08 09 22 16.1 33.52N 33.20E 67–0 4.3L,4.0
NEIC I 08 09 22 16.8–1.7 33.59N–.07 33.18E–.09 19–5 4.4b,4.0
GII I 08 09 22 17.9–.38 33.56N 33.27E 40 4.1b,3.9
NIC I 08 09 22 17.4–.00 33.56N 33.29E 27–2 4.5L,3.9
HLW I 08 09 22 18.8 33.53N 33.26E 33–41 4.5L,3.9
GRAL I 08 09 22 19.0–.49 33.63N 33.47E 15–31 3.9,3.9
ISC Event type ke.
IDC Error ellipse: s-maj=26.1km s-min=14.4km az=41.0.
MOS Error ellipse: s-maj=8.9km s-min=4.7km az=93.3.
ISK Event type ke.
NEIC Event type se. Error ellipse: s-maj=11.6km s-min=8.5km az=54.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GII Event type ke.
NIC Event type ke.
GRAL Error ellipse: s-maj=5.5km s-min=23.7km az=-1.0.

IDC I 11 10 17 13.9–21 33.97N 26.19E 0 3.7L,3.4b
¶610237140
IDC Error ellipse: s-maj=406.1km s-min=74.5km az=60.0.

ISC I 12 15 14 05.2–.98 35.75N–.03 28.60E–.02 32–10 157 1-9
HLW I 12 15 14 04.6 35.69N 28.71E 10–18 3.9 ¶610099362
ISK I 12 15 14 05.9 35.84N 28.56E 40–1 3.6L
NIC I 12 15 14 05.6–.00 35.81N 28.63E 32–30 3.7L
THE I 12 15 14 06.0 35.78N 28.58E 10–2 3.3L
ATH I 12 15 14 06.8 35.82N 28.58E 27–8 3.3L
DDA I 12 15 14 06.4–.00 35.95N 28.57E 35–2 3.8W
GII I 12 15 14 09.2–.00 35.31N 28.78E 20 3.5,3.1
ISC Event type ke.
ISK Event type ke.
NIC Event type ke.
THE Event type ke. Error ellipse: s-maj=2.6km s-min=1.1km az=350.0.
ATH Event type ke. Error ellipse: s-maj=11.3km s-min=1.9km az=349.0.
GII Event type ke.

ISC I 27 20 51 26.4–.51 35.87N–.02 28.72E–.02 23–3 4.8b,3.9s 1038 1-150
CFUSG I 27 20 51 24.9 35.36N 29.47E 86 4.8b,3.9s ¶610145096
MOS I 27 20 51 24.2–1.5 35.85N 28.76E 21 4.8b,3.9s
DDA I 27 20 51 25.4–.00 35.86N 28.69E 25–1 4.6W,3.9s
NIC I 27 20 51 25.1–.00 35.81N 28.62E 17–2 4.8L,3.9s
NEIC I 27 20 51 26.7–1.8 36.01N–.05 28.75E–.04 20–4 4.8,4.8b
PDG I 27 20 51 26.5–.98 35.89N 28.83E 22–8 4.7L,4.8b
ISK I 27 20 51 26.7 35.99N 28.70E 10–0 4.8L,4.8b
ATH I 27 20 51 26.2 35.92N 28.80E 6 4.5W,4.8b
THE I 27 20 51 27.3 35.96N 28.69E 0–1 4.6L,4.8b
GII I 27 20 51 27.7–.00 35.67N 28.82E 20 4.8b,4.8
MED_R I 27 20 51 29.0–.30 35.90N 28.82E 20 4.6W,4.8
IDC I 27 20 51 29.7–1.2 36.10N 28.66E 46–11 4.4,4.2b
HLW I 27 20 51 33.2 35.43N 28.93E 14–15 4.7L,4.3
ISC Event type ke.
CFUSG Mediterranean sea. Magtype MSH 3.7 from 4 stations.
MOS Error ellipse: s-maj=4.7km s-min=2.7km az=90.9.
NIC Event type ke.
NEIC Event type se. Error ellipse: s-maj=7.5km s-min=4.3km az=169.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}0.29 $M_{\theta\theta}$2.01 $M_{\phi\phi}$-2.30 $M_{r\theta}$-0.26 $M_{\theta\phi}$-0.12 $M_{\phi r}$-0.74 NP1:ϕ_s315.59000°,δ73.40000°,λ-4.83000°. NP2:ϕ_s46.97000°,δ85.37000° ,λ-163.34000°. Principal axes: T 2.0475,Plg8.0000°,Azm180.0000°; N 0.4521,Plg73.0000° ,Azm62.0000°; P -2.4997,Plg15.0000°,Azm272.0000° $M_0$2.31000×10^{16}
PDG Event type ke. Error ellipse: s-maj=1.2km s-min=0.9km az=90.0.
ISK Event type ke.
ATH Moment Tensor Solution. s7 Moment tensor: M_{rr}1.11 $M_{\theta\theta}$1.90 $M_{\phi\phi}$-3.01 $M_{r\theta}$-5.50 $M_{\theta\phi}$-4.42 $M_{\phi r}$-3.18 NP1:ϕ_s344.00000°,δ37.00000°,λ8.00000°. NP2:ϕ_s248.00000°,δ85.00000° ,λ126.00000°.
THE Event type ke. Error ellipse: s-maj=3.3km s-min=0.8km az=186.0.
GII Event type ke.
MED_R nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=35s. Moment Tensor Solution. Body waves: s1,c1; Mantle waves: s22,c38;Duration: 1§1 Moment tensor: Scale 10^{16}Nm; M_{rr}0.24±.10 $M_{\theta\theta}$0.43±.07; $M_{\phi\phi}$-0.67±.06; $M_{r\theta}$0.04±.09; $M_{\theta\phi}$-0.96±.04; $M_{\phi r}$-0.04±.07; Best double couple: NP1:ϕ_s165.00000°,δ87.00000°,λ4.00000°. NP2: ϕ_s75.00000°,δ86.00000°,λ177.00000°. Principal axes: T 0.9900,Plg5.0000°,Azm30.0000° ; N 0.2300,Plg85.0000°,Azm202.0000°; P -1.2300,Plg1.0000°,Azm300.0000° $M_0$1.11000×10^{16}

IDC Error ellipse: s-maj=12.0km s-min=7.0km az=151.0.

ISC II 07 03 52 17.7–5.8 34.9N–.20 27.2E–.20 7–21 11 1-1
ATH II 07 03 52 18.6 34.90N 27.16E 10–31 2.1L ¶610679478
THE II 07 03 52 18.1 34.93N 27.16E 1–4 1.9L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=31.6km s-min=1.8km az=0.0.
THE Event type ke. Error ellipse: s-maj=9.3km s-min=0.8km az=139.0.

ISC II 09 22 34 27.5–1.0 33.72N–.02 34.99E–.02 11–9 119 0-4
ISK II 09 22 34 27.7 33.71N 34.96E 12–0 2.8L ¶610207703
GII II 09 22 34 30.7–.00 33.68N 35.23E 10–0 2.6,2.5
GRAL II 09 22 34 30.7–.35 33.78N 35.11E 15–2 3.4,2.5
NIC II 09 22 34 31.7–.00 33.77N 35.11E 32–69 2.9L,2.5
DDA II 09 22 34 36.4–.00 34.41N 35.50E 8–2 2.5L,2.5
ISC Event type ke.
ISK Event type ke.
GII Event type ke.
GRAL Error ellipse: s-maj=1.8km s-min=2.6km az=-1.0.
NIC Event type ke.

ISC II 17 03 00 46.3–1.2 35.95N–.02 30.92E–.02 34–3 143 1-7
ISK II 17 03 00 42.8 35.89N 30.92E 10–0 3.0L ¶610231632
DDA II 17 03 00 44.8–.00 35.90N 30.88E 60–7 3.0L
ATH II 17 03 00 45.7 35.97N 30.93E 24–11 3.1L
THE II 17 03 00 46.9 35.87N 30.94E 27–37 2.7L
NIC II 17 03 00 48.0–.00 35.78N 30.67E 25–8 3.5L
GII II 17 03 00 47.9–1.1 35.78N 30.94E 40 3.2
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=11.1km s-min=1.3km az=75.0.
THE Event type ke. Error ellipse: s-maj=37.8km s-min=2.7km az=110.0.
NIC Event type ke.
GII Event type ke.

ISC II 17 07 21 35.3–1.2 35.31N–.05 28.66E–.05 36 22 1-8
ISK II 17 07 21 35.9 35.48N 28.58E 24–0 2.6L ¶610917066
GII II 17 07 21 40.1–.00 35.04N 28.88E 30 2.9
ISC Event type ke.
ISK Event type ke.
GII Event type ke.

ISC II 17 07 28 02.8–1.1 35.28N–.03 28.61E–.02 30–9 3.4b 115 1-78
IDC II 17 07 27 58.5–1.6 35.48N 28.67E 0 3.5b,3.4 ¶610228670
ISK II 17 07 28 04.0 35.41N 28.54E 20–0 3.1L,3.4
ATH II 17 07 28 04.3 35.38N 28.59E 10–3 2.8L,3.4
NIC II 17 07 28 05.3–.00 35.38N 28.73E 32–88 3.8L,3.4
GII II 17 07 28 06.8–.00 34.68N 28.73E 1–0 3.2,3.1
THE II 17 07 28 06.0 35.43N 28.54E 12–3 2.8L,3.1
DDA II 17 07 28 06.1–.00 35.56N 28.58E 40–1 2.7L,3.1
ISC Event type ke.
IDC Error ellipse: s-maj=47.7km s-min=20.8km az=148.0.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=4.1km s-min=1.2km az=344.0.
NIC Event type ke.
GII Event type ke.
THE Event type ke. Error ellipse: s-maj=3.2km s-min=0.9km az=163.0.

ISC II 22 13 02 38.1–3.5 34.9N–.20 28.7E–.10 8–19 24 1-4
ISK II 22 13 02 38.5 34.86N 28.62E 74–0 2.6L ¶610917765
DDA II 22 13 02 39.8–.00 35.13N 28.55E 16–1 3.5W
ISC Event type ke.
ISK Event type ke.

ISC II 25 02 59 36.0–1.5 35.99N–.05 29.72E–.03 2–10 3.3b 69 1-40
IDC II 25 02 59 35.9–1.6 35.90N 29.78E 0 3.5,3.5b ¶610384972
DDA II 25 02 59 36.0–.00 35.93N 29.76E 24–0 3.1L,3.5b
ISK II 25 02 59 36.6 36.04N 29.63E 5–0 3.3L,3.5b
THE II 25 02 59 40.4 36.02N 29.74E 27–20 3.2L,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=53.7km s-min=19.7km az=146.0.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=20.3km s-min=1.1km az=110.0.

ISC II 25 20 29 54.3–1.6 33.75N–.05 28.42E–.06 85–43 75 2-7
NIC II 25 20 29 55.2–.00 33.83N 28.43E 35–41 3.0L ¶610242589
DDA II 25 20 29 57.1–.00 34.28N 28.68E 8–4 2.3L
GII II 25 20 30 00.7–.00 33.61N 28.87E 30 2.7
ISC Event type ke.
NIC Event type ke.
GII Event type ke.

ISC III 09 18 41 40.3–1.4 33.80N–.03 32.32E–.05 13–11 37 1-5
NIC III 09 18 41 43.1–.00 33.83N 32.36E 29–5 2.8L ¶610316984
GII III 09 18 41 45.6–.61 34.02N 32.23E 60 2.9
ISC Event type ke.
NIC Event type ke.
GII Event type ke.

ISC III 09 21 37 35.0–1.2 35.07N–.03 30.79E–.03 55–34 91 1-6
DDA III 09 21 37 31.7–.00 35.22N 30.84E 7–2 2.8L ¶610316818
ISK III 09 21 37 32.3 35.03N 30.78E 84–0 3.1L
GII III 09 21 37 33.0–.46 35.11N 30.78E 100 2.9
NIC III 09 21 37 33.8–.00 35.08N 30.95E 9–1 3.0L
ISC Event type ke.
ISK Event type ke.
GII Event type ke.
NIC Event type ke.

ISC III 10 23 31 56.7–.00 35.24N–.04 29.52E–.03 52–46 79 1-7
ISK III 10 23 31 55.0 35.31N 29.50E 11–0 2.9L ¶610327041
NIC III 10 23 31 57.2–.00 35.29N 29.53E 35–29 3.3L
THE III 10 23 31 59.2 35.45N 29.20E 0–2 2.4L
GII III 10 23 32 00.4–.00 34.90N 29.83E 10 2.8
ISC Event type ke.
ISK Event type ke.
NIC Event type ke.
THE Event type ke. Error ellipse: s-maj=7.4km s-min=0.8km az=119.0.
GII Event type ke.

ISC III 16 14 46 22.4–1.3 35.84N–.04 28.45E–.04 32–13 42 0-4
DDA III 16 14 46 21.7–.00 35.85N 28.38E 7–4 2.1L ¶610339873
ISK III 16 14 46 21.5 35.76N 28.37E 30–0 2.3L
NIC III 16 14 46 22.4–.00 35.85N 28.50E 32–20 3.2L
ISC Event type ke.
ISK Event type ke.
NIC Event type ke.

ISC III 20 16 25 29.6–1.7 33.97N–.06 25.26E–.04 13–9 4.3b 180 1-86
IDC III 20 16 25 27.6–.85 34.10N 25.21E 0 4.0,4.0b ¶610431540
NEIC III 20 16 25 28.9–1.2 33.90N–.04 25.10E–.08 10–1 4.4b,4.0b
ISK III 20 16 25 28.8 34.02N 25.31E 6–0 3.7L,4.0b
THE III 20 16 25 31.9 34.06N 25.24E 4–2 3.4L,4.0b
ATH III 20 16 25 31.9 34.05N 25.20E 6–2 3.5L,4.0b
ISC Event type ke.
IDC Error ellipse: s-maj=17.9km s-min=13.3km az=16.0.
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=7.3km az=77.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=2.8km s-min=0.9km az=185.0.
ATH Event type ke. Error ellipse: s-maj=4.0km s-min=2.2km az=21.0.

ISC III 20 16 26 17.3–.60 33.90N–.07 25.30E–.06 10 4.3b 94 1-85
IDC III 20 16 26 16.8–.98 34.07N 25.17E 0 4.0,4.0b ¶610543342
NEIC III 20 16 26 16.9–1.2 33.71N–.08 25.0E–.10 10–1 4.4b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC III 24 01 45 45.5–1.8 33.49N–.10 27.66E–.05 90–53 38 2-5
ISK III 24 01 45 45.4 33.53N 27.58E 84–0 3.1L ¶610434572
NIC III 24 01 45 51.3–.00 33.79N 28.01E 32–35 2.5L
ISC Event type ke.
ISK Event type ke.
NIC Event type ke.

ISC III 26 10 35 13.1–1.1 33.73N–.02 35.00E–.02 14–9 114 0-4
NIC III 26 10 35 16.1–.00 33.71N 35.04E 33–55 3.2L ¶610435160
GII III 26 10 35 16.4–.00 33.59N 35.00E 14 3.0,2.8
GRAL III 26 10 35 16.4–.29 33.71N 34.97E 26–2 3.2,2.8
JSO III 26 10 35 18.1 33.54N 35.10E 8–6 3.1W,2.7L
DDA III 26 10 35 20.6–.00 34.27N 34.81E 7–3 2.6L,2.7L
ISK III 26 10 35 20.5 34.02N 34.56E 11–0 3.4L,2.7L
ISC Event type ke.
NIC Event type ke.
GII Event type ke.
GRAL Error ellipse: s-maj=1.6km s-min=2.5km az=-1.0.
ISK Event type ke.
ISC IV 04 22 38 33.1–1.3 33.54N–.05 28.18E–.04 90–47 100 2-8
ISK IV 04 22 38 32.9 33.62N 28.06E 84–0 3.4L ¶610526890
HLW IV 04 22 38 32.9 33.62N 28.19E 27–9 4.0,3.8L
NIC IV 04 22 38 33.9–.00 33.59N 28.23E 33–41 2.6L,3.8L
GII IV 04 22 38 38.4–.00 33.18N 28.71E 12–0 3.0,3.8L
ISC Event type ke.
ISK Event type ke.
NIC Event type ke.
GII Event type ke.
ISC IV 11 22 48 39.2–1.6 33.78N–.03 25.71E–.04 10–10 4.0b,3.6s 233 1-87
MED_R IV 11 22 48 35.0–.70 33.57N 25.32E 10 4.4W,3.6s ¶610527177
ISK IV 11 22 48 37.5 33.79N 25.76E 5–0 3.6L,3.6s
IDC IV 11 22 48 38.4–.92 33.88N 25.74E 0 3.9,3.9b
MOS IV 11 22 48 39.9–1.5 33.74N 25.52E 32 4.2b,3.9b
NEIC IV 11 22 48 40.1–1.6 33.85N–.07 25.64E–.07 10–2 4.0b,3.9b
THE IV 11 22 48 41.3 33.59N 25.71E 53–19 3.5L,3.9b
HLW IV 11 22 48 42.3 33.91N 25.63E 24–14 3.9L,3.1
ATH IV 11 22 48 43.7 34.01N 25.61E 10–1 3.3L,3.1
GII IV 11 22 48 45.8–.00 33.61N 26.11E 20 4.2,4.1b
ISC Event type ke.
MED_R nsta1 refers to body waves. nsta2 refers to surface waves, cutoff=35s. Moment Tensor Solution. Mantle waves: s7,c9;Duration: 1ş0 Moment tensor: Scale 10^{15}Nm; M_{rr}1.63±.39 $M_{\theta\theta}$-2.63±.34; $M_{\phi\phi}$1.01±.39; $M_{r\theta}$-1.10±.85; $M_{\theta\phi}$2.15±.34; $M_{\phi r}$4.63±.98; Best double couple: NP1:ϕ_s336.00000°,δ81.00000°,λ121.00000°. NP2:ϕ_s81.00000°,δ32.00000°,λ18.00000°. Principal axes: T 6.0200,Plg46.0000°,Azm277.0000°; N -0.6700,Plg30.0000°,Azm150.0000° ; P -5.3400,Plg29.0000°,Azm41.0000° $M_0$5.68000×10^{15}
ISK Event type ke.
IDC Error ellipse: s-maj=19.2km s-min=14.2km az=11.0.
MOS Error ellipse: s-maj=9.4km s-min=5.0km az=70.4.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=9.5km az=191.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
THE Event type ke. Error ellipse: s-maj=19.6km s-min=2.6km az=3.0.
ATH Event type ke. Error ellipse: s-maj=3.0km s-min=1.7km az=153.0.
GII Event type ke.
ISC IV 25 11 10 18.5–1.6 35.83N–.07 29.67E–.03 12–12 32 1-2
DDA IV 25 11 10 17.1–.00 35.76N 29.67E 10–3 2.7L ¶610923298
ISK IV 25 11 10 21.8 36.09N 29.57E 4–0 2.9L
ISC Event type ke.
ISK Event type ke.
ISC IV 25 23 49 59.7–1.7 34.11N–.06 28.32E–.06 103–34 74 2-7
ISK IV 25 23 49 59.9 34.19N 28.43E 82–0 2.9L ¶610575463
NIC IV 25 23 50 01.4–.00 34.22N 28.42E 32–42 3.2L
GII IV 25 23 50 05.9–.00 33.72N 28.69E 20–0 3.2,3.1
ISC Event type ke.
ISK Event type ke.
NIC Event type ke.
GII Event type ke.
ISC V 04 11 37 51.3–1.2 35.91N–.03 29.87E–.02 8–10 123 0-8
DDA V 04 11 37 50.1–.00 35.76N 29.83E 2–3 3.5W ¶610618166
GII V 04 11 37 52.8–.00 35.82N 30.11E 1 2.9
ISK V 04 11 37 53.8 36.00N 29.84E 13–0 3.3L
NIC V 04 11 37 53.2–.00 35.96N 29.89E 20–1 3.1L
THE V 04 11 37 56.2 36.01N 29.70E 4–2 3.1L
ISC Event type ke.
GII Event type ke.
ISK Event type ke.
NIC Event type ke.
THE Event type ke. Error ellipse: s-maj=3.9km s-min=1.3km az=64.0.
ISC V 06 00 57 10.4–1.3 34.60N–.04 28.75E–.04 79–30 74 2-8
ISK V 06 00 57 09.4 34.63N 28.77E 21–0 2.7L ¶610618168
NIC V 06 00 57 11.3–.00 34.60N 28.80E 32–35 3.3L
HLW V 06 00 57 11.8 34.44N 28.87E 21–15 3.6,3.3L
DDA V 06 00 57 12.2–.00 35.04N 28.68E 10–1 2.4L,3.3L
ISC Event type ke.
ISK Event type ke.
NIC Event type ke.
ISK V 13 19 49 12.5 35.97N 29.11E 13–0 1.8L
DDA V 13 19 49 17.9–.00 36.39N 29.63E 7–7 1.7L ¶611507693
ISK Event type ke.
ISC V 15 11 34 03.8–.86 35.87N–.03 30.92E–.02 60–9 3.5b 139 1-78
ISK V 15 11 34 00.9 35.92N 31.04E 10–0 3.5L ¶610641335
DDA V 15 11 34 02.0–.00 35.91N 31.10E 27–2 3.7W
IDC V 15 11 34 02.7–1.2 35.82N 30.97E 56–16 3.6,3.6L
GII V 15 11 34 03.6–.00 35.67N 30.81E 30–3 3.6,3.6L
NIC V 15 11 34 03.2–.00 35.77N 30.80E 16–7 3.8L,3.6L
THE V 15 11 34 06.5 36.05N 30.54E 0–3 3.1L,3.6L
ISC Event type ke.
ISK Event type ke.
IDC Error ellipse: s-maj=12.1km s-min=9.9km az=24.0.
GII Event type ke.
NIC Event type ke.
THE Event type ke. Error ellipse: s-maj=7.9km s-min=1.2km az=114.0.
ISC V 17 13 02 04.1–.79 35.55N–.03 28.45E–.02 23–6 4.0b,2.8s 305 1-78
IDC V 17 13 02 00.5–.72 35.70N 28.33E 0 4.2L,3.9 ¶610641852
ISK V 17 13 02 03.6 35.57N 28.44E 22–0 4.0L,3.9
ATH V 17 13 02 04.4 35.59N 28.43E 30–3 3.8L,3.9
NEIC V 17 13 02 04.5–2.5 35.57N–.05 28.42E–.05 21–6 4.2b,3.9
THE V 17 13 02 05.8 35.63N 28.41E 13–1 3.8L,3.9
DDA V 17 13 02 05.6–.00 35.62N 28.48E 48–3 3.9W,3.9
NIC V 17 13 02 05.8–.00 35.68N 28.48E 31–27 4.3L,3.9
HLW V 17 13 02 06.5 35.50N 28.56E 20–10 4.4L,4.3
GII V 17 13 02 09.3–.00 35.29N 28.65E 30 4.4b,4.3
ISC Event type ke.
IDC Error ellipse: s-maj=16.8km s-min=14.5km az=156.0.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=5.3km s-min=1.4km az=343.0. ML Amplitudes are expressed in micrometers.
NEIC Event type se. Error ellipse: s-maj=7.9km s-min=5.6km az=176.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.8km az=1.0.
NIC Event type ke.
GII Event type ke.
ISC V 20 22 18 44.4–.64 34.95N–.03 28.04E–.02 33–2 4.0b,3.0s 341 1-81
IDC V 20 22 18 40.4–.72 35.07N 27.97E 0 3.9,3.9b ¶616639959
DDA V 20 22 18 41.4–.00 35.05N 27.98E 8–5 3.4L,3.9b
ATH V 20 22 18 41.4 34.82N 28.12E 23–2 3.7L,3.9b
NIC V 20 22 18 43.3–.00 34.90N 28.00E 16–4 4.1L,3.9b
ISK V 20 22 18 44.3 34.94N 28.03E 78–0 3.8L,3.9b
HLW V 20 22 18 44.3 34.95N 28.08E 19–10 4.0L,3.9b
NEIC V 20 22 18 44.1–2.7 34.95N–.05 28.05E–.06 29–6 4.1b,3.9b
THE V 20 22 18 45.0 35.01N 28.02E 5–3 3.5L,3.9b
GII V 20 22 18 45.7–.43 34.72N 28.01E 40 4.2b,4.0
ISC Event type ke.
IDC Error ellipse: s-maj=16.6km s-min=10.2km az=173.0.
ATH Event type ke. Error ellipse: s-maj=3.7km s-min=1.5km az=325.0. ML Amplitudes are expressed in micrometers.
NIC Event type ke.
ISK Event type ke.
NEIC Event type se. Error ellipse: s-maj=8.6km s-min=5.8km az=210.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
THE Event type ke. Error ellipse: s-maj=4.1km s-min=1.4km az=151.0.
GII Event type ke.
ISC V 26 01 03 02.6–.61 34.03N–.03 28.28E–.03 51–6 4.2b,2.9s 670 2-115
HLW V 26 01 03 02.9 34.00N 28.26E 20–6 4.5L,3.9 ¶610654551
NEIC V 26 01 03 02.9–2.8 33.98N–.07 28.28E–.06 65–7 4.1b,3.9
MOS V 26 01 03 02.4–.91 34.05N 28.24E 68 4.4b,3.9
ISK V 26 01 03 03.5 34.10N 28.21E 94–5 4.5L,3.9
GII V 26 01 03 03.6–.31 33.93N 28.38E 80 4.3b,4.2
IDC V 26 01 03 04.0–1.4 34.07N 28.25E 61–12 4.1,3.8b
MED_R V 26 01 03 04.0–.80 34.06N 28.20E 59–6 4.2W,3.8b
NIC V 26 01 03 04.2–.00 34.03N 28.42E 34–25 4.6L,3.8b
DDA V 26 01 03 06.0–.00 34.38N 28.19E 8–4 4.3W,3.8b
THE V 26 01 03 07.8 34.22N 28.17E 65–4 4.0L,3.8b
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=7.5km az=197.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=5.6km s-min=2.7km az=104.9.
ISK Event type ke.
GII Event type ke.
IDC Error ellipse: s-maj=14.9km s-min=8.8km az=7.0.
MED_R nsta1 refers to body waves. nsta2 refers to surface waves, cutoff=35s. Moment Tensor Solution. Mantle waves: s8,c8;Duration: 1ş0 Moment tensor: Scale 10^{15}Nm; M_{rr}2.00±.27 $M_{\theta\theta}$-0.94±.53; $M_{\phi\phi}$-1.06±.47; $M_{r\theta}$-0.10±.18; $M_{\theta\phi}$-1.14±.44; $M_{\phi r}$-0.17±.12; Best double couple: NP1:ϕ_s222.00000°,δ48.00000°,λ88.00000°. NP2:ϕ_s45.00000°,δ42.00000°,λ92.00000°. Principal axes: T 2.0100,Plg87.0000°,Azm105.0000°; N 0.1400,Plg1.0000°,Azm223.0000° ; P -2.1500,Plg3.0000°,Azm313.0000° $M_0$2.08000×10^{15}
NIC Event type ke.
THE Event type ke. Error ellipse: s-maj=4.4km s-min=1.1km az=114.0.
ISC VI 01 14 51 34.9–1.6 34.8N–.10 27.57E–.05 55–32 33 1-5
ISK VI 01 14 51 35.7 34.87N 27.50E 26–0 2.6L ¶611508868
DDA VI 01 14 51 38.5–.00 35.02N 27.76E 13–3 2.7L
ATH VI 01 14 51 41.1 35.34N 27.15E 78–5 2.3L
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=16.3km s-min=3.2km az=154.0. ML Amplitudes are expressed in micrometers.
ISC VI 03 02 28 29.3–1.8 34.82N–.07 27.13E–.04 1–11 3.3b 44 1-43
IDC VI 03 02 28 28.9–1.8 34.96N 27.07E 0 3.3b,3.2 ¶610791139
ISK VI 03 02 28 29.5 34.88N 27.13E 5–0 3.3L,3.2
THE VI 03 02 28 31.7 34.84N 27.04E 0–2 3.1L,3.2
ISC Event type ke.
IDC Error ellipse: s-maj=64.0km s-min=24.6km az=154.0.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=6.2km s-min=1.3km az=153.0.
ISC VI 13 18 36 51.9–1.4 35.23N–.05 28.56E–.06 62–37 57 1-8
ISK VI 13 18 36 54.1 35.45N 28.45E 69–1 2.2L ¶611509606
DDA VI 13 18 36 55.4–.00 35.67N 28.47E 26–1 2.1L
GII VI 13 18 36 55.8–.00 35.07N 29.02E 10 2.5
ISC Event type ke.
ISK Event type ke.
GII Event type ke.

(372) Cyprus region.

ISC I 01 00 37 07.5–1.3 35.45N–.05 31.28E–.04 25–15 37 1-3
NIC I 01 00 37 04.2–.00 35.70N 31.30E 14–1 2.5L ¶610060322
ISK I 01 00 37 05.4 35.33N 31.15E 21–0 2.3L
DDA I 01 00 37 07.1–.00 35.73N 31.51E 5–1 1.8L
ISC Event type ke.
NIC Event type ke.
ISK Event type ke.
ISC I 02 09 24 14.0–1.3 35.67N–.03 31.10E–.03 31–12 3.5b 139 1-39
IDC I 02 09 24 09.5–2.3 35.84N 30.86E 0 3.7,3.7b ¶610236456
ISK I 02 09 24 11.9 35.60N 31.17E 81–0 3.7L,3.7b
DDA I 02 09 24 14.5–.00 35.99N 31.34E 14–2 3.7W,3.7b
HLW I 02 09 24 15.3 35.67N 30.95E 33–54 4.5,4.2L
GII I 02 09 24 16.9–.71 35.57N 31.12E 60 3.5,4.2L
ISC Event type ke.
IDC Error ellipse: s-maj=41.4km s-min=21.5km az=66.0.
ISK Event type ke.
GII Event type ke.
ISC I 11 08 18 26.1–1.3 35.54N–.05 31.48E–.05 12–11 26 1-3
NIC I 11 08 18 21.8–.00 35.64N 31.34E 4–1 2.8L ¶610098404
DDA I 11 08 18 24.8–.00 35.66N 31.47E 13–2 2.3L
ISC Event type ke.
NIC Event type ke.
ISC I 13 21 43 31.6–.53 35.56N–.02 32.40E–.02 81–5 4.3b 444 0-82
HLW I 13 21 43 27.7 35.78N 32.46E 32–41 4.3 ¶611831558
ISK I 13 21 43 30.5 35.59N 32.48E 86–0 4.2L
NIC I 13 21 43 30.6–.00 35.58N 32.43E 83–5 4.4L
MOS I 13 21 43 31.3–.90 35.56N 32.36E 95 4.3b
DDA I 13 21 43 31.4–.00 35.68N 32.55E 30–1 4.0W
NEIC I 13 21 43 31.9–2.0 35.55N–.05 32.40E–.04 76–11 4.4b
IDC I 13 21 43 31.6–1.3 35.62N 32.41E 79–14 4.2,3.8b
GII I 13 21 43 34.3–.51 35.41N 32.56E 60 4.2b,4.0
GRAL I 13 21 43 35.6–1.1 35.01N 32.41E 47–24 4.2,4.0
ISC Event type ke.
ISK Event type ke.
NIC Event type ke.
MOS Error ellipse: s-maj=7.5km s-min=4.1km az=108.4.
NEIC Event type se. Error ellipse: s-maj=8.6km s-min=2.0km az=146.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=12.3km s-min=11.7km az=68.0.
GII Event type ke.
GRAL Error ellipse: s-maj=24.1km s-min=13.9km az=-1.0.
ISC I 14 00 15 07.1–1.2 35.55N–.02 32.42E–.03 79–7 120 0-6
DDA I 14 00 15 06.3–.00 35.64N 32.52E 33–2 2.3L ¶610095162
NIC I 14 00 15 06.7–.00 35.60N 32.42E 75–5 3.1L
ISK I 14 00 15 08.5 35.64N 32.51E 29–0 3.0L
GII I 14 00 15 09.2–.04 35.39N 32.45E 40 3.2,3.0
ISC Event type ke.
NIC Event type ke.
ISK Event type ke.
GII Event type ke.
ISC I 17 14 31 33.6–1.1 34.53N–.03 33.12E–.03 10–8 58 0-5
GII I 17 14 31 27.7–.00 34.85N 33.21E 3–0 2.9 ¶610099174
ISK I 17 14 31 31.7 34.50N 33.11E 13–0 3.1L
DDA I 17 14 31 33.4–.00 34.74N 33.01E 2–2 2.5L
NIC I 17 14 31 34.1–.00 34.61N 33.14E 20–31 3.0L
ISC Event type ke.
GII Event type ke.
ISK Event type ke.
NIC Event type ke.
ISC I 17 15 19 48.2–1.0 34.62N–.03 33.11E–.03 18–5 57 0-5
ISK I 17 15 19 44.4 34.46N 33.13E 12–0 3.0L ¶610099366
DDA I 17 15 19 47.3–.00 34.78N 33.04E 8–2 2.5L
NIC I 17 15 19 48.7–.00 34.64N 33.14E 17–4 2.8L
GII I 17 15 19 50.0–.00 34.59N 33.20E 20 2.9
ISC Event type ke.
ISK Event type ke.
NIC Event type ke.
GII Event type ke.
ISC I 19 07 58 53.9–1.8 34.84N–.09 34.00E–.07 23–9 25 0-2
ISK I 19 07 58 53.3 34.86N 33.98E 26–0 2.5L ¶610101706
NIC I 19 07 58 54.3–.00 34.83N 33.94E 17–1 2.4L
ISC Event type ke.

ISK Event type ke.
NIC Event type ke.
ISC I 30 20 33 37.0–1.2 34.56N–.03 32.70E–.04 43–8 67 0-5
ISK I 30 20 33 36.5 34.56N 32.69E 33–2 2.7L **¶610148234**
GRAL I 30 20 33 37.6–.65 34.25N 32.64E 73–444 3.6
NIC I 30 20 33 37.6–.00 34.68N 32.74E 45–1 2.6L
DDA I 30 20 33 39.1–.00 35.09N 32.57E 7–3 2.3L
GII I 30 20 33 39.9–.17 34.41N 32.84E 40 3.0
ISC Event type ke.
ISK Event type ke.
GRAL Error ellipse: s-maj=33.1km s-min=56.6km az=-1.0.
NIC Event type ke.
GII Event type ke.
ISC I 31 01 15 03.9–1.0 35.75N–.02 31.72E–.02 31–10 3.1b 119 1-39
IDC I 31 01 14 59.7–3.7 35.69N 31.70E 0 3.4b,3.3 **¶610148254**
NIC I 31 01 15 02.7–.00 35.87N 31.77E 15–2 3.1L,3.3
ISK I 31 01 15 02.3 35.62N 31.71E 14–0 3.2L,3.3
DDA I 31 01 15 03.6–.00 35.85N 31.78E 15–1 2.8L,3.3
GII I 31 01 15 06.0–.00 35.49N 31.56E 30 3.0,3.3
ISC Event type ke.
IDC Error ellipse: s-maj=54.3km s-min=35.9km az=51.0.
NIC Event type ke.
ISK Event type ke.
GII Event type ke.
ISC II 01 02 41 39.6–.92 35.03N–.04 33.72E–.03 17–6 33 0-3
ISK II 01 02 41 38.2 34.90N 33.67E 24–0 2.7L **¶610159392**
NIC II 01 02 41 40.1–.00 34.96N 33.71E 9–0 2.7L
DDA II 01 02 41 41.4–.00 35.28N 33.90E 2–1 2.2L
ISC Event type ke.
ISK Event type ke.
NIC Event type ke.
ISC II 03 03 04 08.3–1.2 35.47N–.04 31.67E–.04 14–10 36 1-3
NIC II 03 03 04 07.8–.00 35.44N 31.53E 13–0 2.7L **¶610186352**
DDA II 03 03 04 10.6–.00 35.45N 31.65E 14–2 2.2L
ISC Event type ke.
NIC Event type ke.
NIC II 06 10 02 49.8–.00 34.83N 33.17E 0–1 1.6L
¶616229093
NIC Event type ke.
NIC II 06 10 03 09.0–.00 34.78N 33.18E 10–1 1.1L
¶610197959
NIC Event type ke.
ISC II 09 15 05 17.8–1.2 35.58N–.03 31.09E–.04 16–11 52 1-3
ISK II 09 15 05 15.9 35.59N 31.11E 4–0 2.9L **¶610207644**
NIC II 09 15 05 17.3–.00 35.46N 31.01E 9–2 3.0L
DDA II 09 15 05 19.3–.00 35.78N 31.17E 23–2 2.7L
ISC Event type ke.
ISK Event type ke.
NIC Event type ke.
NIC II 18 09 37 00.0–.00 34.90N 33.86E 18–1 1.6L
¶616228559
NIC Event type ke.
ISC III 02 14 07 19.4–1.6 34.85N–.06 33.95E–.05 46–10 26 0-3
ISK III 02 14 07 17.9 34.81N 33.94E 30–0 2.5L **¶610244516**
NIC III 02 14 07 20.6–.00 34.76N 33.84E 28–0 2.0L
ISC Event type ke.
ISK Event type ke.
NIC Event type ke.
ISC III 18 18 15 28.0–.60 34.45N–.03 32.18E–.02 30–4 4.5b,3.5s 799 0-99
IDC III 18 18 15 23.5–.59 34.53N 32.21E 0 4.4,4.4b **¶611832084**
GII III 18 18 15 25.8–.00 34.38N 32.20E 10 4.6b,4.5
ISK III 18 18 15 26.9 34.36N 32.22E 66–0 4.5L,4.5
MOS III 18 18 15 26.2–1.0 34.48N 32.22E 30 4.6b,4.5
DDA III 18 18 15 27.6–.00 34.57N 32.14E 56–3 4.5W,4.5
NIC III 18 18 15 27.5–.00 34.46N 32.18E 49–4 4.6L,4.5
MED_R III 18 18 15 28.0–.50 34.53N 32.18E 43–3 4.5W,4.5
NEIC III 18 18 15 28.7–2.3 34.47N–.05 32.23E–.05 35–5 4.5b,4.3
NEIC III 18 18 15 29 34.49N 32.22E 36 4.5b,4.3
THE III 18 18 15 32.9 34.50N 31.99E 54–3 4.6L,4.3
ISC Event type ke. Moment Tensor Solution. NP1:ϕ_s5.64858°,δ50.92551°,λ177.17799°. NP2: ϕ_s97.42825°,δ87.80956°,λ39.10852°. Principal axes: T Plg28.2121°,Azm328.9183° ; N Plg50.8400°,Azm100.1201°; P Plg24.7516°,Azm224.5986°
IDC Error ellipse: s-maj=12.4km s-min=10.9km az=179.0.
GII Event type ke.
ISK Event type ke.
MOS Error ellipse: s-maj=4.9km s-min=3.1km az=98.3.
NIC Event type ke.
MED_R Error ellipse: s-maj=4.4km s-min=3.3km az=-1.0. nsta1 refers to body waves. nsta2 refers to surface waves, cutoff=35s. Moment Tensor Solution. Mantle waves: s16,c19;Duration: 1s0 Moment tensor: Scale 10^{15}Nm; M_{rr}0.05±.65 $M_{\theta\theta}$3.49±.40; $M_{\phi\phi}$-3.53±.45; $M_{r\theta}$2.81±.25; $M_{\theta\phi}$3.65±.49; $M_{\phi r}$-1.39±.23; Best double couple: NP1:ϕ_s292.00000°,δ89.00000°,λ-32.00000°. NP2:ϕ_s22.00000°,δ58.00000°,λ-179.00000°. Principal axes: T 5.8300,Plg21.0000° ,Azm342.0000°; N 0.2400,Plg58.0000°,Azm111.0000°; P -6.0700,Plg22.0000° ,Azm243.0000° $M_0$5.95000×10^{15}
NEIC Event type se. Error ellipse: s-maj=7.9km s-min=5.6km az=175.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-1.36 $M_{\theta\theta}$2.95 $M_{\phi\phi}$-1.58 $M_{r\theta}$-0.47 $M_{\theta\phi}$0.99 $M_{\phi r}$-2.42 NP1:ϕ_s293.59000°,δ49.17000°,λ-24.08000°. NP2:ϕ_s39.88000°,δ72.02000° ,λ-136.57000°. Principal axes: T 3.3992,Plg14.0000°,Azm162.0000°; N 0.5212,Plg44.0000° ,Azm58.0000°; P -3.9204,Plg43.0000°,Azm265.0000° $M_0$3.69000×10^{15}
NEIC Event type se.
THE Event type ke. Error ellipse: s-maj=3.4km s-min=1.8km az=60.0.
ISC III 20 07 14 20.1–1.0 35.91N–.03 31.56E–.02 17–10 58 1-3
NIC III 20 07 14 19.5–.00 35.95N 31.63E 6–1 2.9L **¶610394167**
DDA III 20 07 14 20.2–.00 35.83N 31.47E 24–2 2.6L
ISK III 20 07 14 22.9 36.04N 31.57E 19–0 2.7L
ISC Event type ke.
NIC Event type ke.
ISK Event type ke.
ISC III 26 00 50 28.8–2.5 35.36N–.06 31.1E–.10 14–11 30 1-2
ISK III 26 00 50 28.5 35.30N 31.26E 5–0 2.5L **¶610437814**
NIC III 26 00 50 29.3–.00 35.36N 30.96E 35–32 2.5L
ISC Event type ke.
ISK Event type ke.
NIC Event type ke.
NIC III 26 02 56 49.8–.00 34.68N 32.18E 30–0 1.7L
¶616602534
NIC Event type ke.
NIC III 26 02 57 40.2–.00 34.62N 32.19E 21–2 2.3L
¶610435254
NIC Event type ke.
ISC IV 07 15 09 50.2–1.5 35.84N–.03 31.95E–.05 19–4 37 0-2
ISK IV 07 15 09 48.7 35.75N 31.95E 18–0 3.0L **¶610526815**
DDA IV 07 15 09 51.1–.00 36.02N 31.98E 7–1 1.9L
NIC IV 07 15 09 52.7–.00 35.84N 32.17E 22–1 2.3L
ISC Event type ke.
ISK Event type ke.
NIC Event type ke.
ISC IV 07 23 40 01.4–1.2 34.97N–.04 33.84E–.03 45–7 67 0-5
ISK IV 07 23 39 59.3 34.91N 33.86E 49–2 3.1L **¶610524806**
GII IV 07 23 40 00.0–.23 35.02N 33.80E 40 2.1
NIC IV 07 23 40 01.8–.00 35.07N 33.81E 42–3 2.5L
ISC Event type ke.
ISK Event type ke.
GII Event type ke.
NIC Event type ke.
ISC IV 09 11 07 18.8–1.2 34.54N–.02 33.24E–.03 3–10 81 0-5
ISK IV 09 11 07 18.9 34.62N 33.23E 2–0 2.9L **¶610524814**
DDA IV 09 11 07 18.8–.00 34.70N 33.44E 4–4 2.6L
NIC IV 09 11 07 18.7–.00 34.56N 33.23E 11–12 2.9L
GII IV 09 11 07 20.1–.00 34.59N 33.29E 9 2.2,2.2
ISC Event type ke.
ISK Event type ke.
NIC Event type ke.
GII Event type ke.
ISC IV 22 00 13 51.1–1.2 34.76N–.03 34.48E–.03 17–9 96 0-5
ISK IV 22 00 13 51.1 34.74N 34.42E 18–0 2.9L **¶610547619**
NIC IV 22 00 13 53.9–.00 34.63N 34.22E 15–1 2.9L
GRAL IV 22 00 13 54.2–.62 34.61N 34.55E 10–9 3.5
GII IV 22 00 13 54.1–.00 34.63N 34.67E 15 2.1,1.9
DDA IV 22 00 13 56.0–.00 34.96N 34.42E 39 3.0W,1.9
ISC Event type ke.
ISK Event type ke.
NIC Event type ke.
GRAL Error ellipse: s-maj=7.9km s-min=7.3km az=-1.0.
GII Event type ke.
ISC IV 23 16 01 13.5–1.3 35.59N–.03 31.76E–.04 23–15 44 1-3
ISK IV 23 16 01 12.3 35.60N 31.78E 8–0 2.7L **¶610547878**
NIC IV 23 16 01 12.7–.00 35.59N 31.59E 35–19 2.9L
DDA IV 23 16 01 13.6–.00 35.73N 31.69E 8–6 2.1L
ISC Event type ke.
ISK Event type ke.
NIC Event type ke.
ISC IV 23 21 58 40.2–1.2 34.07N–.03 32.52E–.04 11–10 56 1-5
ISK IV 23 21 58 41.5 34.12N 32.61E 14–0 2.6L **¶610547637**
NIC IV 23 21 58 42.1–.00 34.15N 32.40E 24–1 2.6L
GII IV 23 21 58 43.2–.00 34.02N 32.61E 20 2.8,2.6
ISC Event type ke.
ISK Event type ke.
NIC Event type ke.
GII Event type ke.
ISC IV 27 03 40 00.3–1.1 35.27N–.03 32.33E–.05 25–8 35 0-3
ISK IV 27 03 39 59.0 35.24N 32.30E 23–0 2.2L **¶610560089**
DDA IV 27 03 40 00.0–.00 35.19N 32.26E 18–73 1.8L
NIC IV 27 03 40 00.2–.00 35.25N 32.31E 23–0 2.6L
ISC Event type ke.
ISK Event type ke.
NIC Event type ke.
ISC V 03 21 50 43.6–1.3 35.42N–.03 32.34E–.04 74–7 76 0-6
ISK V 03 21 50 44.9 35.51N 32.45E 54–1 2.8L **¶610593983**
NIC V 03 21 50 44.1–.00 35.50N 32.36E 61–1 2.5L
GII V 03 21 50 45.3–.00 35.28N 32.54E 20 2.3
DDA V 03 21 50 45.4–.00 35.55N 32.44E 50–2 2.1L
ISC Event type ke.
ISK Event type ke.
NIC Event type ke.
GII Event type ke.
ISC V 15 03 46 18.9–.76 35.38N–.03 32.32E–.03 86–5 3.8b 229 0-79
ISK V 15 03 46 18.9 35.39N 32.38E 84–0 3.5L **¶610638729**
HLW V 15 03 46 19.0 35.30N 32.23E 10–25 3.8L
IDC V 15 03 46 19.7–1.5 35.47N 32.39E 81–19 3.9,3.6b
NIC V 15 03 46 21.5–.00 35.43N 32.45E 66–2 3.6L,3.6b
DDA V 15 03 46 21.3–.00 35.54N 32.50E 54–2 3.6W,3.6b
GII V 15 03 46 23.0–.21 35.16N 32.48E 60 3.2,3.0
THE V 15 03 46 26.9 35.51N 31.85E 57–4 3.4L,3.0
ISC Event type ke.
ISK Event type ke.
IDC Error ellipse: s-maj=22.6km s-min=11.4km az=73.0.
NIC Event type ke.
GII Event type ke.
THE Event type ke. Error ellipse: s-maj=4.2km s-min=2.5km az=98.0.
ISC V 17 17 13 45.0–.91 34.64N–.02 32.82E–.03 18–6 82 0-5
DDA V 17 17 13 40.0–.00 34.27N 32.75E 15–10 2.2L **¶610642255**
ISK V 17 17 13 41.9 34.49N 32.72E 12–0 2.7L
NIC V 17 17 13 44.3–.00 34.62N 32.90E 22–1 2.5L
GII V 17 17 13 45.5–.00 34.62N 32.87E 12–2 2.9
ISC Event type ke.
ISK Event type ke.
NIC Event type ke.
GII Event type ke.
ISC V 18 03 45 35.7–1.2 35.58N–.02 32.66E–.03 87–6 107 0-6
NIC V 18 03 45 36.0–.00 35.58N 32.58E 78–2 2.9L **¶610642258**
ISK V 18 03 45 37.3 35.60N 32.70E 62–1 2.8L
GII V 18 03 45 37.3–.00 35.31N 32.77E 10 2.6,2.1
DDA V 18 03 45 37.6–.00 35.61N 32.63E 38–2 2.6L,2.1
ISC Event type ke.
NIC Event type ke.
ISK Event type ke.
GII Event type ke.
ISC V 20 05 41 12.3–1.1 34.88N–.02 33.96E–.02 1–7 4.1b,3.2s 337 0-84
HLW V 20 05 41 09.2 35.19N 34.05E 10–20 4.0L,3.2s **¶610645715**
MOS V 20 05 41 10.9–1.3 34.84N 33.89E 5 4.3b,3.2s
IDC V 20 05 41 11.4–.70 34.94N 33.81E 0 4.0L,3.9
ISK V 20 05 41 12.5 34.92N 33.95E 12–0 4.0L,3.9
DDA V 20 05 41 13.5–.00 35.02N 33.88E 30–2 3.9W,3.9
NEIC V 20 05 41 13.8–2.6 34.85N–.07 33.86E–.05 9–7 4.0b,3.9
GII V 20 05 41 13.1–.00 34.96N 33.89E 20 4.1b,4.0
NIC V 20 05 41 13.2–.00 34.88N 33.91E 8–3 4.1L,4.0
GRAL V 20 05 41 16.8–.34 34.85N 34.14E 22–52 4.0,4.0
ISC Event type ke.
MOS Error ellipse: s-maj=8.6km s-min=5.1km az=105.1.
IDC Error ellipse: s-maj=16.0km s-min=13.7km az=67.0.
ISK Event type ke.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=4.9km az=196.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GII Event type ke.
NIC Event type ke.
GRAL Error ellipse: s-maj=15.8km s-min=36.9km az=-1.0.
ISC V 20 06 05 27.3–.94 34.91N–.02 34.02E–.02 13–6 99 0-5
DDA V 20 06 05 26.7–.00 34.90N 34.06E 28–1 2.6L **¶610646085**
ISK V 20 06 05 26.8 34.92N 33.98E 12–0 3.1L
GII V 20 06 05 27.6–.00 34.92N 33.93E 16 3.2
NIC V 20 06 05 28.0–.00 34.92N 34.10E 14–1 3.3L
ISC Event type ke.
ISK Event type ke.
GII Event type ke.
NIC Event type ke.
ISC V 20 08 22 38.4–.85 34.95N–.02 34.01E–.03 17–5 99 0-5
ISK V 20 08 22 37.3 34.90N 33.98E 20–0 2.9L **¶610646084**
NIC V 20 08 22 38.6–.00 34.90N 34.01E 15–1 3.1L
GII V 20 08 22 38.8–.00 34.88N 33.91E 16 3.1
DDA V 20 08 22 40.5–.00 35.17N 33.86E 22–1 2.2L
ISC Event type ke.
ISK Event type ke.
NIC Event type ke.
GII Event type ke.
NIC V 23 19 15 08.0–.00 34.05N 33.69E 13–0 2.0L
¶617229492
NIC Event type ke.
ISC V 29 00 35 46.0–1.1 34.12N–.02 32.87E–.02 15–8 3.5b 263 1-55
ISK V 29 00 35 43.8 34.05N 32.86E 5–0 3.9L **¶610655460**
IDC V 29 00 35 44.7–1.0 34.29N 33.20E 0 3.9L,3.7
HLW V 29 00 35 45.9 34.25N 32.90E 22–7 4.3L,3.9
NIC V 29 00 35 46.4–.00 34.11N 32.83E 23–1 4.0L,3.9
GII V 29 00 35 46.1–.00 34.15N 32.88E 20 4.1b,3.8
DDA V 29 00 35 47.9–.00 34.06N 32.72E 42–2 3.9W,3.8
ISC Event type ke.
ISK Event type ke.
IDC Error ellipse: s-maj=20.9km s-min=14.7km az=46.0.
NIC Event type ke.

GII	Event type ke.								
ISC	V	29 02 59 04.5–.96	34.95N–.02	34.01E–.02	18–4		84	0-5	
ISK	V	29 02 59 02.5	34.88N	33.99E	16–0	2.5L			¶610655464
DDA	V	29 02 59 05.9–.00	35.12N	33.82E	27–2	2.3L			
NIC	V	29 02 59 05.1–.00	34.92N	33.98E	11–3	2.7L			
GII	V	29 02 59 06.1–.00	34.84N	33.96E	20–2	2.6			
ISC	Event type ke.								
ISK	Event type ke.								
NIC	Event type ke.								
GII	Event type ke.								
ISC	V	29 21 26 50.4–.98	34.97N–.02	34.07E–.02	18–3		101	0-5	
ISK	V	29 21 26 45.5	34.71N	34.13E	16–0	3.1L			¶610655710
DDA	V	29 21 26 50.8–.00	35.11N	33.88E	7–3	2.8L			
GII	V	29 21 26 51.7–.00	34.97N	33.94E	30	3.1,3.1			
GRAL	V	29 21 26 51.9–.45	34.88N	34.13E	136–65	3.5,3.1			
NIC	V	29 21 26 51.3–.00	34.93N	33.90E	6–5	3.2L,3.1			
ISC	Event type ke.								
ISK	Event type ke.								
GII	Event type ke.								
GRAL	Error ellipse: s-maj=24.2km s-min=45.2km az=-1.0.								
NIC	Event type ke.								
ISC	V	30 12 29 29.6–.65	35.54N–.03	31.35E–.03	58–6	4.2b	427	1-82	
DDA	V	30 12 29 22.3–.00	35.40N	31.50E	14–1	4.2W			¶610656109
MOS	V	30 12 29 28.3–1.3	35.49N	31.19E	67	4.5b			
NIC	V	30 12 29 28.1–.00	35.61N	31.39E	89–9	4.5L			
ISK	V	30 12 29 28.2	35.61N	31.37E	54–1	4.1L			
IDC	V	30 12 29 29.3–1.1	35.49N	31.26E	61–12	4.2,3.8s			
NEIC	V	30 12 29 29.2–2.1	35.48N–.07	31.26E–.07	51–8	4.3b,3.8s			
GII	V	30 12 29 30.6–.28	35.45N	31.36E	40	4.1b,3.7			
ISC	Event type ke.								
MOS	Error ellipse: s-maj=6.3km s-min=3.8km az=100.3.								
NIC	Event type ke.								
ISK	Event type ke.								
IDC	Error ellipse: s-maj=10.5km s-min=7.9km az=26.0.								
NEIC	Event type se. Error ellipse: s-maj=10.3km s-min=7.1km az=206.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.								
GII	Event type ke.								
ISC	V	30 22 53 15.3–1.1	35.63N–.02	31.38E–.02	8–9		108	1-4	
ISK	V	30 22 53 13.9	35.60N	31.35E	2–0	3.0L			¶610656213
NIC	V	30 22 53 15.0–.00	35.57N	31.23E	6–3	3.1L			
DDA	V	30 22 53 16.9–.00	35.78N	31.45E	19–2	2.8L			
ISC	Event type ke.								
ISK	Event type ke.								
NIC	Event type ke.								
NIC	VI	02 08 17 51.3–.00	35.04N	32.69E	50–1	1.8L			
									¶617481114
NIC	Event type ke.								
ISC	VI	02 17 28 20.8–1.2	35.15N–.02	33.94E–.03	51–6		92	0-5	
GRAL	VI	02 17 28 19.4–1.0	35.15N	33.80E	33–267	3.2			¶610664086
NIC	VI	02 17 28 20.1–.00	35.29N	33.97E	44–4	2.8L			
DDA	VI	02 17 28 20.5–.00	35.27N	33.75E	50–2	2.2L			
ISK	VI	02 17 28 20.0	35.18N	33.85E	56–1	2.6L			
GII	VI	02 17 28 20.8–.00	34.93N	34.17E	1	2.2,1.7			
ISC	Event type ke.								
GRAL	Error ellipse: s-maj=87.6km s-min=180.4km az=-1.0.								
NIC	Event type ke.								
ISK	Event type ke.								
GII	Event type ke.								
ISC	VI	13 02 11 11.9–1.5	35.18N–.05	33.83E–.05	46–9		40	0-2	
ISK	VI	13 02 11 10.7	35.17N	33.82E	51–1	2.7L			¶610672834
NIC	VI	13 02 11 11.4–.00	35.18N	33.84E	46–1	2.5L			
ISC	Event type ke.								
ISK	Event type ke.								
NIC	Event type ke.								
ISC	VI	14 19 31 26.6–1.2	35.92N–.04	31.01E–.03	25–14		48	1-3	
DDA	VI	14 19 31 25.7–.00	35.95N	31.04E	17–4	2.7L			¶610677953
NIC	VI	14 19 31 25.2–.00	36.31N	31.09E	34–19	3.0L			
ISK	VI	14 19 31 25.4	35.70N	30.99E	44–5	2.5L			
ISC	Event type ke.								
NIC	Event type ke.								
ISK	Event type ke.								
ISC	VI	25 09 37 26.2–1.3	34.35N–.03	34.50E–.03	30–14		96	1-5	
ISK	VI	25 09 37 24.9	34.41N	34.41E	12–0	2.7L			¶610694744
NIC	VI	25 09 37 25.9–.00	34.32N	34.34E	12–1	2.8L			
GRAL	VI	25 09 37 27.2–.33	34.29N	34.61E	3–2	3.4			
GII	VI	25 09 37 28.5–.29	34.34N	34.46E	31–0	2.2			
ISC	Event type ke.								
ISK	Event type ke.								
NIC	Event type ke.								
GRAL	Error ellipse: s-maj=1.6km s-min=2.2km az=-1.0.								
GII	Event type ke.								

(373) Dead Sea region.

ISC	I	06 05 15 47.3–.88	32.29N–.02	35.66E–.03	18–5		78	0-3	
GII	I	06 05 15 47.0–.00	32.28N	35.68E	8–0	3.2,2.9			¶610049641
JSO	I	06 05 15 47.7	32.28N	35.62E	8–3	3.8W,3.0L			
GRAL	I	06 05 15 49.2–.73	32.35N	35.69E	0–3	3.6,3.0L			
ISC	Event type ke.								
GII	Event type ke.								
GRAL	Error ellipse: s-maj=2.2km s-min=8.3km az=-1.0.								
ISC	II	16 04 34 34.5–.83	32.10N–.02	35.43E–.03	15–6		55	0-2	
GII	II	16 04 34 34.6–.19	32.09N	35.41E	6–0	2.5,2.2			¶612619599
ISC	Event type ke.								
GII	Event type ke.								
ISC	II	24 15 58 27.2–.89	31.29N–.02	35.39E–.03	29–4		55	0-2	
GII	II	24 15 58 27.9–.10	31.28N	35.41E	21	3.2,2.9			¶610241345
ISC	Event type ke.								
GII	Event type ke.								
ISC	IV	04 07 52 51.6–.91	32.99N–.02	34.98E–.03	23–6		123	0-4	
GRAL	IV	04 07 52 50.7–.38	32.88N	34.95E	19–3	3.4			¶610476813
ISK	IV	04 07 52 50.1	33.07N	35.14E	20–0	3.1L			
NIC	IV	04 07 52 50.9–.00	33.02N	35.02E	22–6	3.1L			
GII	IV	04 07 52 51.5–.16	32.96N	35.00E	12–0	3.0,2.8			
JSO	IV	04 07 52 52.1	32.97N	35.02E	10–3	3.3W,3.2L			
ISC	Event type ke.								
GRAL	Error ellipse: s-maj=2.7km s-min=3.4km az=-1.0.								
ISK	Event type ke.								
NIC	Event type ke.								
GII	Event type ke.								

(374) Jordan-Syria region.

ISC	I	28 14 55 45.9–1.1	33.25N–.03	35.41E–.04	18–3		26	0-2	
GII	I	28 14 55 46.2–.16	33.24N	35.42E	5–0	1.7,1.2			¶612618838
GRAL	I	28 14 55 47.2–.31	33.26N	35.42E	2–2	2.9,1.2			
ISC	Event type ke.								
GII	Event type ke.								
GRAL	Error ellipse: s-maj=1.2km s-min=2.8km az=-1.0.								
ISC	III	13 15 02 31.9–1.2	36.96N–.03	36.07E–.03	5–12		33	0-3	
ISK	III	13 15 02 31.9	36.96N	36.01E	6–0	2.6L			¶610920165
DDA	III	13 15 02 32.3–.00	36.96N	36.09E	17–3	2.6L			
ISC	Event type ke.								
ISK	Event type ke.								
ISC	III	21 03 56 58.1–1.6	34.30N–.03	36.31E–.08	1–11		38	0-4	
GRAL	III	21 03 56 58.5–.24	34.31N	36.33E	6–10	3.8			¶612620951
GII	III	21 03 56 59.1–.00	34.33N	36.26E	1–0	2.9,2.8			
ISC	Event type ke.								
GRAL	Error ellipse: s-maj=1.1km s-min=2.3km az=-1.0.								
GII	Event type ke.								
ISC	III	22 20 42 48.2–1.1	33.47N–.03	35.36E–.05	16–8		32	0-1	
GRAL	III	22 20 42 48.3–.30	33.42N	35.34E	13–2	2.6			¶612621017
GII	III	22 20 42 48.5–.22	33.41N	35.38E	4–0	1.6			
ISC	Event type ke.								
GRAL	Error ellipse: s-maj=2.1km s-min=3.0km az=-1.0.								
GII	Event type ke.								
ISC	III	29 18 43 18.8–.93	33.56N–.02	35.61E–.04	7–7		46	0-2	
GII	III	29 18 43 19.0–.00	33.50N	35.60E	1	2.0,1.7			¶612621280
GRAL	III	29 18 43 19.3–.26	33.55N	35.60E	2–4	3.4,1.7			
JSO	III	29 18 43 19.9	33.50N	35.59E	2	2.5W,2.1L			
ISC	Event type ke.								
GII	Event type ke.								
GRAL	Error ellipse: s-maj=0.6km s-min=1.4km az=-1.0.								
ISC	IV	02 09 51 12.9–1.0	33.13N–.03	35.38E–.04	7–9		27	0-2	
GII	IV	02 09 51 12.1–.00	33.12N	35.38E	1–0	1.8,1.8			¶612621427
GRAL	IV	02 09 51 14.3–.32	33.15N	35.41E	0–5	2.8,1.8			
ISC	Event type ke.								
GII	Event type ke.								
GRAL	Error ellipse: s-maj=2.5km s-min=2.8km az=-1.0.								
ISC	IV	11 22 49 08.2–1.0	33.79N–.04	35.82E–.05	5–10		17	0-2	
GII	IV	11 22 49 05.5–.00	33.61N	36.32E	1	1.7			¶612621780
GRAL	IV	11 22 49 08.5–.28	33.79N	35.80E	6–3	2.5			
ISC	Event type ke.								
GII	Event type ke.								
GRAL	Error ellipse: s-maj=1.0km s-min=1.1km az=-1.0.								
ISC	IV	12 17 39 41.0–1.0	33.67N–.02	35.60E–.04	7–7		28	0-1	
GII	IV	12 17 39 40.5–.00	33.62N	35.59E	1	1.7			¶612621794
GRAL	IV	12 17 39 41.2–.27	33.65N	35.60E	4–1	2.8			
ISC	Event type ke.								
GII	Event type ke.								
GRAL	Error ellipse: s-maj=0.6km s-min=1.3km az=-1.0.								
ISC	IV	13 11 02 16.3–.90	33.54N–.03	35.71E–.04	6–6		22	0-1	
GII	IV	13 11 02 15.1–.00	33.56N	35.87E	1	1.9,1.7			¶612621816
GRAL	IV	13 11 02 16.6–.29	33.49N	35.67E	1–6	2.9,1.7			
ISC	Event type ke.								
GII	Event type ke.								
GRAL	Error ellipse: s-maj=2.4km s-min=2.3km az=-1.0.								
ISC	IV	17 16 27 47.7–1.1	33.44N–.02	35.60E–.05	8–9		30	0-2	
GRAL	IV	17 16 27 45.0–.25	33.28N	35.49E	0–4	3.0			¶612621980
GII	IV	17 16 27 45.6–.00	33.46N	35.63E	1	2.1			
ISC	Event type ke.								
GRAL	Error ellipse: s-maj=1.5km s-min=1.8km az=-1.0.								
GII	Event type ke.								
ISC	V	03 21 13 55.8–1.0	33.34N–.04	35.80E–.07	11–5		25	0-1	
GII	V	03 21 13 56.9–.29	33.32N	35.76E	4–0	1.7			¶612622674
GRAL	V	03 21 13 57.3–.23	33.36N	35.80E	1–3	2.7			
ISC	Event type ke.								
GII	Event type ke.								
GRAL	Error ellipse: s-maj=1.3km s-min=1.5km az=-1.0.								
ISC	V	08 01 38 12.8–1.9	34.68N–.07	35.34E–.06	6–12		32	1-3	
GII	V	08 01 38 16.5–.00	34.67N	35.31E	30	2.4,2.1			¶610617964
GRAL	V	08 01 38 16.5–.29	34.70N	35.47E	24–1	3.2,2.1			
ISC	Event type ke.								
GII	Event type ke.								
GRAL	Error ellipse: s-maj=2.2km s-min=1.8km az=-1.0.								
ISC	V	15 18 53 25.0–1.2	35.58N–.02	37.68E–.03	29–14		86	1-4	
GII	V	15 18 53 12.0–.00	36.10N	38.27E	1–0	3.0			¶611507780
ISK	V	15 18 53 19.4	35.36N	37.63E	1–0	3.0L			
DDA	V	15 18 53 23.4–.00	35.71N	37.72E	9–3	2.9L			
GRAL	V	15 18 53 23.0–.47	35.74N	37.48E	4–932	3.4			
ISC	Event type ke.								
GII	Event type ke.								
ISK	Event type ke.								
GRAL	Error ellipse: s-maj=613.1km s-min=579.9km az=-1.0.								
ISC	V	15 20 21 51.5–1.0	33.54N–.03	35.65E–.05	13–6		21	0-1	
GII	V	15 20 21 50.6–.00	33.55N	35.68E	4	1.6			¶612623234
GRAL	V	15 20 21 52.0–.27	33.52N	35.65E	10–2	2.6			
ISC	Event type ke.								
GII	Event type ke.								
GRAL	Error ellipse: s-maj=1.2km s-min=1.7km az=-1.0.								
ISC	V	16 09 24 58.7–1.3	33.50N–.03	35.96E–.05	5–9		48	0-4	
GII	V	16 09 24 58.3–.00	33.46N	35.96E	1	2.5,2.5			¶612623246
GRAL	V	16 09 24 59.5–.30	33.49N	35.92E	1–5	3.1,2.5			
ISC	Event type ke.								
GII	Event type ke.								
GRAL	Error ellipse: s-maj=0.8km s-min=1.6km az=-1.0.								
ISC	V	16 21 42 22.5–1.7	33.53N–.03	35.99E–.09	8–10		22	0-1	
GII	V	16 21 42 22.6–.00	33.48N	35.99E	1	1.3			¶612623256
GRAL	V	16 21 42 23.8–.27	33.51N	35.96E	0–13	2.5			
ISC	Event type ke.								
GII	Event type ke.								
GRAL	Error ellipse: s-maj=0.9km s-min=1.6km az=-1.0.								
ISC	V	17 00 17 05.6–1.1	33.30N–.02	35.38E–.03	6–10		75	0-4	
GII	V	17 00 17 05.3–.00	33.28N	35.41E	1	2.5,2.4			¶610641932
JSO	V	17 00 17 05.4	33.33N	35.39E	2–7	2.5W,2.5L			
GRAL	V	17 00 17 06.2–.81	33.29N	35.39E	0–7	3.3,2.5L			
ISC	Event type ke.								
GII	Event type ke.								
GRAL	Error ellipse: s-maj=2.3km s-min=6.9km az=-1.0.								
GII	V	23 19 15 43.1–1.6	33.30N	35.26E	14–2	1.2			
									¶610650858
GII	Event type ke.								
ISC	VI	05 06 00 21.1–1.4	35.23N–.03	37.23E–.06	4–12		39	1-3	
DDA	VI	05 06 00 16.0–.00	35.03N	37.07E	6–12	2.4L			¶612624483
GII	VI	05 06 00 18.2–.00	35.36N	37.58E	1–0	2.8			
GRAL	VI	05 06 00 22.2–.49	35.46N	36.93E	1–4	3.4			
ISC	Event type ke.								
GII	Event type ke.								
GRAL	Error ellipse: s-maj=17.2km s-min=28.3km az=-1.0.								
ISC	VI	10 21 20 52.5–.96	33.26N–.02	35.39E–.03	12–8		58	0-3	
GII	VI	10 21 20 52.1–.00	33.22N	35.41E	1	2.2,2.1			¶610669606
JSO	VI	10 21 20 52.0	33.28N	35.38E	2–7	2.1W,1.8L			
GRAL	VI	10 21 20 53.3–.28	33.25N	35.41E	1–3	3.0,1.8L			
ISC	Event type ke.								
GII	Event type ke.								
GRAL	Error ellipse: s-maj=0.8km s-min=1.8km az=-1.0.								
ISC	VI	18 22 21 09.9–1.1	35.74N–.02	36.69E–.03	15–9		58	1-3	
ISK	VI	18 22 21 09.6	35.59N	36.63E	20–0	2.1L			¶611510264
DDA	VI	18 22 21 12.7–.00	35.90N	36.63E	34–0	2.2L			
GRAL	VI	18 22 21 15.9–.53	35.54N	36.78E	0–4	3.3			
ISC	Event type ke.								
ISK	Event type ke.								
GRAL	Error ellipse: s-maj=22.5km s-min=51.1km az=-1.0.								
ISC	VI	23 03 08 27.3–.96	36.99N–.03	36.05E–.02	14–8		40	0-2	
ISK	VI	23 03 08 26.8	37.00N	36.04E	11–0	2.4L			¶611510742
DDA	VI	23 03 08 27.2–.00	36.96N	36.07E	7–4	2.6L			
ISC	Event type ke.								
ISK	Event type ke.								
ISC	VI	28 23 15 55.6–1.2	36.88N–.05	38.92E–.03	12–8		37	0-3	
DDA	VI	28 23 15 55.5–.00	36.92N	38.91E	7–2	2.3L			¶611511237
ISK	VI	28 23 15 59.0	37.07N	38.86E	5–0	2.5L			
ISC	Event type ke.								
ISK	Event type ke.								

(375) Iraq.

ISC	I	25 01 47 12.2–1.4	35.94N–.05	44.6E–.10	10		9	1-3	
ISN	I	25 01 47 10.1–.30	35.72N	45.01E	9	2.8L			¶610206077
TEH	I	25 01 47 14.6	35.85N	45.00E	9–119	2.8L			
ISC	Event type ke.								
ISN	Error ellipse: s-maj=1.5km s-min=3.2km az=-1.0.								
TEH	Error ellipse: s-maj=4.1km s-min=12.9km az=-1.0.								
ISC	II	17 23 01 00.7–.69	36.39N–.03	41.25E–.03	10	3.4b	109	1-32	
ISN	II	17 23 00 57.2–1.1	36.45N	41.30E	2–205	4.0L			¶610415727

ISK II 17 23 00 57.3 36.34N 41.29E 1–0 4.1L
DDA II 17 23 00 58.5–.00 36.37N 41.29E 16–0 4.1W
IDC II 17 23 01 00.1–1.1 36.38N 41.34E 0 3.6b,3.5
GII II 17 23 01 01.1–.00 36.30N 41.30E 2 3.6b,3.5
ISC Event type ke.
ISN Error ellipse: s-maj=131.2km s-min=236.3km az=-1.0.
ISK Event type ke.
IDC Error ellipse: s-maj=18.0km s-min=13.1km az=139.0.
GII Event type ke.
ISC III 30 17 16 08.5–1.1 32.99N–.04 45.93E–.06 8–11 11 0-2
TEH III 30 17 16 08.5 32.97N 45.94E 17–76 2.5L **¶610671219**
ISN III 30 17 16 08.2–.67 33.01N 45.95E 10–999 2.3L
ISC Event type ke.
TEH Error ellipse: s-maj=5.6km s-min=8.7km az=-1.0.
ISN Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
ISC IV 26 21 59 07.0–1.8 34.84N–.04 43.65E–.06 14–13 24 1-5
ISN IV 26 21 59 05.2–1.3 34.87N 43.70E 3–150 3.0L **¶610671253**
DDA IV 26 21 59 06.7–.00 34.80N 43.67E 9–3 3.4L
ISC Event type ke.
ISN Error ellipse: s-maj=147.4km s-min=136.9km az=-1.0.
ISC V 03 23 57 13.1–1.0 36.64N–.02 43.42E–.02 13–8 3.6b,3.1s 136 0-54
IDC V 03 23 57 07.1–1.4 35.86N 43.87E 0 3.7b,3.5 **¶610671271**
AZER V 03 23 57 12.7–.88 36.59N 43.44E 21 3.7b,3.5
ISN V 03 23 57 12.9–1.2 36.60N 43.36E 16–5 4.0L,3.5
DDA V 03 23 57 12.8–.00 36.58N 43.45E 21–1 4.1W,3.5
GII V 03 23 57 13.9–.00 36.58N 43.45E 21 4.1W,3.5
TEH V 03 23 57 13.5 36.59N 43.42E 20 3.8L,3.5
ISK V 03 23 57 17.9 36.91N 43.33E 5–1 3.9L,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=26.2km s-min=17.5km az=156.0.
AZER Error ellipse: s-maj=8.9km s-min=6.9km az=44.0.
ISN Error ellipse: s-maj=8.6km s-min=5.9km az=-1.0.
GII Event type ke.
TEH Error ellipse: s-maj=2.9km s-min=4.3km az=-1.0.
ISK Event type ke.
ISC V 07 16 00 53.8–.80 36.46N–.03 41.96E–.02 10 81 1-6
ISK V 07 16 00 53.7 36.49N 42.11E 5–0 4.0L **¶610671296**
DDA V 07 16 00 54.2–.00 36.53N 41.97E 17–1 3.7W
ISN V 07 16 00 54.5–.99 36.49N 42.17E 7–10 3.9L
AZER V 07 16 00 58.0–3.9 36.55N 42.12E 10 3.9L
ISC Event type ke.
ISK Event type ke.
ISN Error ellipse: s-maj=14.2km s-min=6.7km az=-1.0.
AZER Error ellipse: s-maj=24.7km s-min=20.4km az=65.0.
ISC V 14 00 23 33.4–1.6 36.46N–.05 42.00E–.03 2–11 39 1-3
ISN V 14 00 23 26.2–.30 36.46N 42.06E 5 2.7L **¶610670066**
ISK V 14 00 23 33.2 36.47N 42.01E 5–0 2.6L
DDA V 14 00 23 34.0–.00 36.53N 41.99E 22–1 2.4L
ISC Event type ke.
ISN Error ellipse: s-maj=1.5km s-min=3.4km az=-1.0.
ISK Event type ke.
ISC V 17 03 07 43.2–1.1 32.32N–.05 45.64E–.06 10 28 1-6
ISN V 17 03 07 42.4–.68 32.34N 45.74E 19–8 3.3L **¶610670075**
TEH V 17 03 07 46.3 32.48N 45.89E 9–84 3.2L
ISC Event type ke.
ISN Error ellipse: s-maj=1.8km s-min=8.7km az=-1.0.
TEH Error ellipse: s-maj=4.3km s-min=11.0km az=-1.0.
ISC V 23 01 36 59.6–1.6 36.64N–.05 43.45E–.04 8–12 22 1-3
ISN V 23 01 36 57.6–.30 36.55N 43.69E 5 2.5L **¶610670079**
DDA V 23 01 36 59.5–.00 36.63N 43.43E 7–2 2.4L
ISC Event type ke.
ISN Error ellipse: s-maj=2.7km s-min=1.6km az=-1.0.
ISC V 26 15 51 21.8–1.5 31.73N–.08 46.03E–.07 10 27 0-10
ISN V 26 15 51 21.3–.57 31.77N 46.07E 9–25 3.7L **¶610670083**
TEH V 26 15 51 22.2 31.77N 46.09E 12 3.5L
GII V 26 15 51 55.2–.00 31.96N 46.23E 10 3.5L
ISC Event type ke.
ISN Error ellipse: s-maj=25.5km s-min=14.9km az=-1.0.
TEH Error ellipse: s-maj=5.6km s-min=7.8km az=-1.0.
GII Event type ke.
ISC V 29 03 44 55.6–1.2 31.76N–.08 46.29E–.05 9–11 14 0-4
ISN V 29 03 44 53.8–1.3 31.82N 46.36E 6–5 3.0L **¶610670093**
TEH V 29 03 45 04.4 32.03N 46.54E 9 2.8L
ISC Event type ke.
ISN Error ellipse: s-maj=5.9km s-min=11.9km az=-1.0.
TEH Error ellipse: s-maj=4.0km s-min=5.1km az=-1.0.
ISC V 31 16 21 42.8–2.1 31.74N–.08 45.93E–.08 4–11 3.7b,3.4s 38 0-85
TEH V 31 16 21 41.8 31.75N 45.98E 10 3.9L,3.4s **¶610670095**
ISN V 31 16 21 42.8–1.2 31.82N 46.02E 3–15 3.9L,3.4s
IDC V 31 16 21 46.8–2.8 32.28N 46.13E 0 3.7,3.7b
ISC Event type ke.
TEH Error ellipse: s-maj=0.4km s-min=0.4km az=-1.0.
ISN Error ellipse: s-maj=11.0km s-min=10.2km az=-1.0.
IDC Error ellipse: s-maj=134.0km s-min=26.5km az=150.0.
ISC VI 02 16 09 52.8–1.2 31.58N–.03 46.11E–.04 1–7 4.4b,3.5s 384 0-100
GII VI 02 16 09 51.8–.00 31.63N 46.10E 20 4.4b,3.5s **¶610659626**
TEH VI 02 16 09 53.9 31.68N 46.11E 8 4.6L,3.5s
IDC VI 02 16 09 53.1–.74 31.66N 46.11E 0 4.2,4.2b
ISN VI 02 16 09 53.7–.84 31.69N 46.07E 6–7 4.4L,4.2b
NEIC VI 02 16 09 54.9–2.3 31.66N–.04 46.16E–.07 10–1 4.4b,4.2b
MOS VI 02 16 09 55.7–1.4 31.62N 46.05E 30 4.5b,4.2b
OMAN VI 02 16 09 58.7–.17 31.25N 46.23E 20 4.3b,3.2s
SGS VI 02 16 09 59.5 31.71N 46.03E 22 4.8L,3.2s
ISC Event type ke.
GII Event type ke.
TEH Error ellipse: s-maj=2.8km s-min=4.4km az=-1.0.
IDC Error ellipse: s-maj=16.5km s-min=10.3km az=177.0.
ISN Error ellipse: s-maj=4.6km s-min=15.3km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=4.0km az=124.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=7.4km s-min=4.6km az=99.0.
OMAN Error ellipse: s-maj=5.3km s-min=2.6km az=228.0.
ISC VI 03 05 43 27.2–1.2 36.74N–.03 42.43E–.04 14–10 36 1-4
DDA VI 03 05 43 28.7–.00 36.86N 42.31E 7–3 3.3L **¶611508963**
ISK VI 03 05 43 28.5 36.84N 42.40E 2–0 3.3L
ISN VI 03 05 43 29.2–.97 36.93N 43.49E 5–34 3.1L
ISC Event type ke.
ISK Event type ke.
ISN Error ellipse: s-maj=20.9km s-min=39.0km az=-1.0.
ISC VI 09 05 00 24.0–1.5 31.78N–.07 46.07E–.09 1–15 26 0-6
ISN VI 09 05 00 23.7–.68 31.77N 46.09E 6–6 3.5L **¶615387178**
TEH VI 09 05 00 24.3 31.83N 46.15E 9 3.2L
ISC Event type ke.
ISN Error ellipse: s-maj=2.2km s-min=13.7km az=-1.0.
TEH Error ellipse: s-maj=4.4km s-min=6.2km az=-1.0.
ISC VI 13 04 36 54.3–1.4 36.50N–.04 42.38E–.04 7–11 33 1-4
DDA VI 13 04 36 54.1–.00 36.48N 42.39E 28–2 3.0L **¶611509513**
ISN VI 13 04 36 54.6–.96 36.49N 42.43E 14–12 3.1L
ISK VI 13 04 36 55.4 36.57N 42.41E 2–0 3.3L
ISC Event type ke.
ISN Error ellipse: s-maj=15.6km s-min=7.4km az=-1.0.
ISK Event type ke.
ISC VI 24 13 52 52.0–2.4 36.44N–.05 41.14E–.04 16–17 33 1-5
ISK VI 24 13 52 47.9 36.40N 41.09E 5–0 3.3L **¶611510901**
DDA VI 24 13 52 51.0–.00 36.46N 41.27E 15–12 3.1L
ISN VI 24 13 52 51.8–1.1 36.48N 41.24E 20–12 3.0L
ISC Event type ke.
ISK Event type ke.
ISN Error ellipse: s-maj=15.2km s-min=8.7km az=-1.0.

SEISMIC REGION 31.
Western Mediterranean Area.

(376) Portugal.
ISC I 02 19 37 37.8–.85 37.46N–.02 7.60W–.02 24–4 108 0-7
CNRM I 02 19 37 36.3 37.34N 7.39W 16 2.0L **¶610241091**
INMG I 02 19 37 38.8–1.8 37.50N 7.58W 18–2 2.2L
SFS I 02 19 37 38.9 37.49N 7.60W 19 2.7L,2.7
MDD I 02 19 37 38.5–.29 37.53N 7.58W 16–2 2.7,2.7
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=2.1km s-min=1.7km az=122.0.
MDD Event type ke. Error ellipse: s-maj=2.6km s-min=1.9km az=2.0.
ISC I 09 22 10 55.0–.95 37.98N–.01 8.95W–.03 18–4 186 0-10
LDG I 09 22 10 55.6–.14 37.96N 8.99W 2 2.5L **¶612755918**
MDD I 09 22 10 55.5–.43 37.96N 9.04W 11–0 3.1
SFS I 09 22 10 56.0 37.94N 9.00W 9 3.6L,3.3
INMG I 09 22 10 56.1–2.1 37.94N 9.00W 7–3 2.9L,2.8L
CNRM I 09 22 10 59.5 37.77N 8.90W 51 2.5L,2.8L
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=2.8km s-min=1.8km az=72.0.
MDD Event type ke. Error ellipse: s-maj=3.7km s-min=2.2km az=71.0.
INMG Event type ke. Error ellipse: s-maj=4.2km s-min=1.7km az=79.0.
ISC I 11 00 42 31.7–.92 38.41N–.02 7.66W–.02 11–8 68 0-3
CNRM I 11 00 42 08.9 38.34N 4.60W 87 2.4L **¶610241140**
MDD I 11 00 42 32.1–.39 38.43N 7.68W 12–0 2.2
INMG I 11 00 42 32.4–1.5 38.43N 7.68W 0 1.7L
SFS I 11 00 42 32.4 38.41N 7.67W 0 2.0L,2.0
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=2.8km s-min=2.4km az=135.0.
INMG Event type ke. Error ellipse: s-maj=2.1km s-min=1.5km az=90.0.
ISC I 25 09 14 49.0–1.4 39.90N–.03 8.47W–.04 5–11 36 1-3
MDD I 25 09 14 51.6–.52 39.86N 8.46W 12–0 2.2 **¶614970944**
SFS I 25 09 14 51.6 39.97N 8.61W 22 2.5L,2.5
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=4.9km s-min=2.3km az=107.0.
ISC II 01 23 22 31.6–.88 39.60N–.01 8.88W–.02 17–2 360 0-51
IDC II 01 23 22 29.8–3.7 39.58N 8.91W 0 4.1b,3.8 **¶612756065**
NEIC II 01 23 22 31.3–.69 39.59N–.04 8.9W–.10 11–7 3.6L,3.8
SFS II 01 23 22 32.0 39.66N 9.07W 20 4.3L,4.2L
LDG II 01 23 22 32.9–.11 39.61N 8.91W 10 3.5L,4.2L
INMG II 01 23 22 32.2–1.6 39.61N 8.88W 6–2 3.7L,4.2L
MDD II 01 23 22 32.6–.25 39.61N 9.00W 15 3.8,4.2L
IGIL II 01 23 22 33.1 39.60N 8.86W 9 4.1L,4.2L
CNRM II 01 23 22 39.0 39.18N 8.83W 78 3.4L,4.2L
ISC Event type ke.
IDC Error ellipse: s-maj=67.0km s-min=31.1km az=75.0.
NEIC Event type se. Error ellipse: s-maj=15.0km s-min=3.7km az=107.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
LDG Event type ke. Error ellipse: s-maj=2.5km s-min=1.4km az=94.0.
INMG Event type ke. Error ellipse: s-maj=2.9km s-min=1.2km az=92.0.
MDD Event type ke. Error ellipse: s-maj=2.2km s-min=1.3km az=101.0.
ISC II 02 01 36 42.2–.88 39.61N–.01 8.88W–.02 11–6 171 0-8
IGIL II 02 01 36 42.9 39.61N 8.87W 6 3.1L **¶610346098**
INMG II 02 01 36 42.8–1.6 39.61N 8.87W 6–2 2.6L
SFS II 02 01 36 42.3 39.68N 9.03W 22 3.3L,3.3
MDD II 02 01 36 43.1–.29 39.59N 8.92W 12 2.6,3.3
CNRM II 02 01 36 47.4 39.36N 8.44W 100 2.4L,3.3
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=2.8km s-min=1.5km az=91.0.
MDD Event type ke. Error ellipse: s-maj=2.6km s-min=1.5km az=100.0.
ISC II 21 00 29 27.8–.81 37.31N–.02 8.50W–.02 16–6 97 0-6
SFS II 21 00 29 27.8 37.37N 8.47W 9 2.6L,2.6 **¶610345714**
IGIL II 21 00 29 28.7 37.33N 8.52W 10 2.0L,2.6
CNRM II 21 00 29 28.2 37.18N 8.45W 18 1.6L,2.6
INMG II 21 00 29 28.6–1.6 37.33N 8.52W 8–3 2.0L,2.6
MDD II 21 00 29 28.3–.37 37.35N 8.53W 12–0 2.4,2.6
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=2.8km s-min=2.4km az=151.0.
MDD Event type ke. Error ellipse: s-maj=3.3km s-min=2.8km az=167.0.
ISC II 28 20 57 54.3–.83 41.13N–.02 7.15W–.02 28–6 216 0-10
IGIL II 28 20 57 54.9 41.12N 7.15W 8 2.7L **¶610273046**
INMG II 28 20 57 55.6–1.5 41.11N 7.16W 14–2 3.2L
MDD II 28 20 57 55.2–.17 41.11N 7.21W 12–0 3.4
LDG II 28 20 57 55.7–.09 41.12N 7.21W 12 3.2L
SFS II 28 20 57 56.3 41.10N 7.24W 23 4.0L
CNRM II 28 20 58 01.3 40.55N 7.10W 175 2.9L
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=1.4km s-min=1.1km az=79.0.
MDD Event type ke. Error ellipse: s-maj=1.5km s-min=1.1km az=119.0.
LDG Event type ke. Error ellipse: s-maj=2.0km s-min=1.6km az=86.0.
ISC III 29 23 16 49.8–.96 38.67N–.01 8.43W–.02 13–8 118 0-7
CNRM III 29 23 16 49.8 38.77N 8.42W 10 1.8L **¶612756460**
MDD III 29 23 16 50.7–.29 38.67N 8.47W 12–0 2.5
SFS III 29 23 16 50.6 38.71N 8.46W 0 2.5L,2.5L
INMG III 29 23 16 50.7–1.4 38.68N 8.44W 1 2.2L,2.5L
IGIL III 29 23 16 50.8 38.68N 8.45W 0 2.3L,2.5L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=2.4km s-min=1.8km az=81.0.
INMG Event type ke. Error ellipse: s-maj=2.1km s-min=1.2km az=93.0.
ISC V 05 22 47 13.0–.68 40.01N–.01 9.04W–.02 12 302 0-12
SFS V 05 22 47 13.0 40.06N 9.18W 20 4.3L,4.0L **¶610641526**
LDG V 05 22 47 13.4–.15 40.04N 9.01W 2 3.4L,4.0L
INMG V 05 22 47 13.9–2.1 40.01N 9.09W 12–3 3.5L,4.0L
MDD V 05 22 47 13.5–.24 40.00N 9.07W 12 3.9,4.0L
IGIL V 05 22 47 14.4 40.01N 9.08W 22 3.8L,4.0L
CNRM V 05 22 47 15.8 40.20N 7.94W 120 3.2L,4.0L
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=3.0km s-min=1.7km az=77.0.
INMG Event type ke. Error ellipse: s-maj=3.8km s-min=1.4km az=97.0.
MDD Event type ke. Error ellipse: s-maj=1.9km s-min=1.1km az=101.0.
ISC V 22 16 10 35.5–1.5 37.16N–.06 7.49W–.04 17–8 34 0-2
MDD V 22 16 10 37.0–1.0 37.21N 7.54W 23–4 2.8 **¶610696859**
SFS V 22 16 10 37.6 37.23N 7.50W 20 1.6L,1.5
IGIL V 22 16 10 37.8 37.21N 7.52W 17 1.5L,1.5
INMG V 22 16 10 37.3–1.5 37.20N 7.51W 11–7 1.2L,1.5
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=8.4km s-min=3.8km az=155.0.
INMG Event type ke. Error ellipse: s-maj=4.5km s-min=2.6km az=158.0.
ISC VI 06 16 03 25.1–.83 41.32N–.02 8.01W–.03 25–6 244 0-12
SFS VI 06 16 03 25.6 41.34N 8.21W 19 4.6L,4.4L **¶610670889**
MDD VI 06 16 03 25.8–.20 41.27N 8.09W 10–0 4.2,4.4L
LDG VI 06 16 03 26.1–.08 41.29N 8.11W 10 4.0L,4.4L
INMG VI 06 16 03 26.4–1.5 41.28N 8.05W 17–2 3.6L,4.4L
IGIL VI 06 16 03 26.9 41.28N 8.05W 15 3.0L,4.4L
CNRM VI 06 16 03 34.1 40.78N 7.91W 175 3.5L,4.4L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=2.0km s-min=1.2km az=111.0.
LDG Event type ke. Error ellipse: s-maj=1.9km s-min=1.2km az=99.0.
INMG Event type ke. Error ellipse: s-maj=2.1km s-min=1.2km az=102.0.
ISC VI 09 02 59 51.2–.89 37.55N–.02 7.74W–.02 24–6 89 0-5
CNRM VI 09 02 59 50.1 37.44N 7.59W 30 **¶610933042**
IGIL VI 09 02 59 52.3 37.57N 7.72W 18 2.5L
SFS VI 09 02 59 52.1 37.60N 7.72W 20 2.6L,2.4L
MDD VI 09 02 59 52.3–.30 37.57N 7.74W 16–4 2.7,2.4L
INMG VI 09 02 59 52.4–1.3 37.57N 7.74W 18–2 2.2L,2.4L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=2.8km s-min=2.3km az=177.0.
INMG Event type ke. Error ellipse: s-maj=2.0km s-min=1.5km az=92.0.
ISC VI 12 04 28 56.7–2.0 37.35N–.04 9.12W–.05 36–2 129 0-7

CNRM VI 12 04 28 54.8 37.25N 9.25W 72 2.3L ¶610933054
MDD VI 12 04 28 57.3–.53 37.33N 9.19W 28–4 3.1
SFS VI 12 04 28 58.2 37.39N 9.08W 24 2.7L,2.6L
IGIL VI 12 04 28 58.4 37.33N 9.13W 30 2.2L,2.6L
INMG VI 12 04 28 58.3–1.1 37.33N 9.13W 29–2 2.1L,2.6L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=5.0km s-min=3.1km az=52.0.
INMG Event type ke. Error ellipse: s-maj=3.1km s-min=1.4km az=68.0.
ISC VI 20 20 17 16.6–.69 37.52N–.02 7.58W–.01 17 139 0-7
CNRM VI 20 20 17 15.6 37.35N 7.48W 28 2.1L ¶610933089
SFS VI 20 20 17 17.8 37.48N 7.59W 20 2.5L,2.4L
MDD VI 20 20 17 17.5–.24 37.55N 7.58W 11–0 2.6,2.4L
IGIL VI 20 20 17 18.3 37.51N 7.60W 20 2.6L,2.4L
INMG VI 20 20 17 18.1–1.4 37.51N 7.60W 19–1 2.3L,2.4L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=2.2km s-min=1.7km az=14.0.
INMG Event type ke. Error ellipse: s-maj=1.5km s-min=1.2km az=103.0.

(377) Spain.

ISC I 03 21 43 02.9–.89 37.34N–.02 1.98W–.02 17–7 160 0-7
CNRM I 03 21 43 00.6 37.46N 2.13W 0 2.5L ¶610241093
INMG I 03 21 43 03.3–1.5 37.32N 1.96W 16–2 2.7L
MDD I 03 21 43 03.5–.27 37.32N 2.01W 12–0 2.9
SFS I 03 21 43 03.6 37.35N 2.01W 5 3.8L,3.4
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=2.5km s-min=1.9km az=123.0.
MDD Event type ke. Error ellipse: s-maj=2.6km s-min=1.4km az=144.0.
ISC I 06 09 04 28.8–.97 37.33N–.02 2.35W–.02 18–8 97 0-6
CNRM I 06 09 04 25.6 37.20N 2.44W 0 2.3L ¶610241112
SFS I 06 09 04 30.2 37.33N 2.39W 4 2.7L,2.7
MDD I 06 09 04 30.3–.28 37.31N 2.34W 11–0 2.6,2.7
INMG I 06 09 04 30.7–1.5 37.29N 2.33W 14–3 2.1L,2.7
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=2.8km s-min=1.5km az=163.0.
INMG Event type ke. Error ellipse: s-maj=2.5km s-min=1.7km az=162.0.
ISC I 06 09 15 47.3–1.0 37.30N–.02 2.33W–.02 15–9 76 0-6
CNRM I 06 09 15 44.5 37.26N 2.43W 0 ¶610241113
INMG I 06 09 15 48.8–1.9 37.26N 2.33W 12–5 2.2L
MDD I 06 09 15 48.7–.31 37.31N 2.34W 11–0 2.5
SFS I 06 09 15 48.6 37.34N 2.40W 0 2.7L,2.7
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=4.2km s-min=4.1km az=172.0.
MDD Event type ke. Error ellipse: s-maj=3.0km s-min=1.6km az=161.0.
ISC I 08 17 07 03.2–.92 37.36N–.02 2.38W–.02 17–8 195 0-11
CNRM I 08 17 06 58.3 37.19N 2.51W 0 2.6L ¶610130608
SFS I 08 17 07 03.8 37.35N 2.38W 2 3.5L,3.3
INMG I 08 17 07 04.7–1.5 37.29N 2.32W 19–2 2.9L,3.3
LDG I 08 17 07 04.5–.18 37.26N 2.39W 10 3.2L,3.3
MDD I 08 17 07 04.1–.24 37.30N 2.35W 11–0 3.2,3.3
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=2.2km s-min=1.7km az=173.0.
LDG Event type ke. Error ellipse: s-maj=3.9km s-min=2.7km az=148.0.
MDD Event type ke. Error ellipse: s-maj=2.3km s-min=1.3km az=151.0.
ISC I 17 07 59 21.2–.91 37.69N–.02 2.88W–.02 16–7 55 0-4
MDD I 17 07 59 22.7–.29 37.67N 2.91W 12–0 2.2 ¶615222134
SFS I 17 07 59 23.2 37.56N 2.88W 17 2.5L,2.5
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=2.4km s-min=1.8km az=152.0.
ISC I 18 21 04 42.8–1.3 38.50N–.04 0.35W–.04 11–8 46 0-7
MDD I 18 21 04 44.5–.63 38.48N 0.37W 11–0 2.4 ¶610505631
SFS I 18 21 04 44.7 38.44N 0.35W 75 2.9L,2.9
LDG I 18 21 04 45.0–.33 38.49N 0.37W 10 2.2L,2.9
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=5.6km s-min=3.0km az=111.0.
LDG Event type ke. Error ellipse: s-maj=7.2km s-min=3.8km az=138.0.
ISC I 18 21 43 51.5–1.8 38.48N–.05 0.22W–.06 7–11 32 0-4
SFS I 18 21 43 53.9 38.50N 0.25W 0 2.9L,2.9 ¶614970905
MDD I 18 21 43 55.5–.65 38.49N 0.32W 12–0 2.4,2.9
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=5.8km s-min=3.5km az=114.0.
ISC II 11 10 12 52.6–.96 38.19N–.02 1.15W–.03 15–8 54 0-5
MDD II 11 10 12 53.9–.36 38.18N 1.19W 10–0 2.5 ¶614971032
SFS II 11 10 12 54.0 38.19N 1.15W 0 2.7L,2.7
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=3.7km s-min=2.1km az=115.0.
ISC II 15 03 49 29.5–1.1 37.85N–.02 2.26W–.02 9–10 50 0-3
MDD II 15 03 49 30.2–.30 37.84N 2.25W 12 1.9 ¶614971047
SFS II 15 03 49 30.3 37.84N 2.28W 6 1.9L,1.9
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=2.6km s-min=2.1km az=40.0.
ISC II 23 09 14 06.6–1.1 39.10N–.01 2.90W–.01 10–9 244 1-10
SFS II 23 09 14 07.5 39.11N 3.14W 0 3.5L,3.5 ¶610272934
INMG II 23 09 14 08.6–1.2 39.10N 2.91W 17–1 2.9L,3.5
MDD II 23 09 14 08.1–.11 39.09N 2.91W 12 3.3,3.5
LDG II 23 09 14 08.3–.10 39.11N 2.89W 12 3.3L,3.5
CNRM II 23 09 14 12.4 38.55N 3.05W 149 3.1L,3.5
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=1.0km s-min=0.9km az=105.0.
MDD Event type ke. Error ellipse: s-maj=1.0km s-min=0.9km az=119.0.
LDG Event type ke. Error ellipse: s-maj=2.4km s-min=1.9km az=145.0.
ISC III 16 18 05 16.2–1.0 37.88N–.04 3.24W–.03 8–9 23 0-3
SFS III 16 18 05 16.7 37.90N 3.23W 0 2.8L,2.3 ¶614971206
MDD III 16 18 05 16.4–.61 37.88N 3.23W 10–1 1.7,2.3
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=5.3km s-min=4.2km az=80.0.
ISC III 29 23 38 06.1–.92 41.89N–.02 2.70E–.02 17–7 273 0-8
SFS III 29 23 38 06.3 41.76N 2.76E 0 3.8L,3.3 ¶610641974
LDG III 29 23 38 07.2–.13 41.79N 2.64E 10 3.3,3.3L
MDD III 29 23 38 07.5–.31 41.83N 2.75E 12–0 3.2,3.3L
MRB III 29 23 38 07.6–.20 41.83N 2.66E 10–1 3.0L,3.3L
STR III 29 23 38 08.1–.68 42N–4.0 3E–3.0 5 3.3,3.3L
ISC Event type ke.
LDG Event type ke.
MDD Event type ke.
MRB Event type ke.
STR Event type se. manual. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/pyrenees_taup-2.11. preliminary.
ISC IV 02 00 21 58.0–.78 41.79N–.02 2.78E–.02 14–5 155 0-5
SFS IV 02 00 21 56.7 41.67N 2.75E 0 ¶610642018
LDG IV 02 00 21 58.8–.07 41.79N 2.75E 5 2.4L
MRB IV 02 00 21 59.1–.20 41.78N 2.74E 2.0L
MDD IV 02 00 22 00.3–.38 41.81N 2.71E 11–0 2.6
STR IV 02 00 22 00.3–1.3 42N–6.0 3E–6.0 5 2.3
ISC Event type ke.
LDG Event type ke.
MRB Event type ke.
MDD Event type ke.
STR Event type se. manual. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/pyrenees_taup-2.11. preliminary.
ISC IV 02 22 15 55.7–.85 37.46N–.02 1.72W–.02 15–6 91 0-5
MDD IV 02 22 15 56.5–.27 37.43N 1.70W 11–0 2.2 ¶614971309
SFS IV 02 22 15 56.0 37.42N 1.67W 7 2.6L,2.5L
CNRM IV 02 22 16 07.4 35.25N 4.65W 0 2.6L,2.5L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=2.5km s-min=1.6km az=137.0.
ISC IV 10 14 14 50.5–.97 41.61N–.02 2.43E–.02 14–6 103 0-4
LDG IV 10 14 14 51.7–.08 41.64N 2.37E 2 2.8L ¶610537681
MRB IV 10 14 14 52.2–.30 41.65N 2.38E 4–3 1.9L
MDD IV 10 14 14 52.4–.43 41.64N 2.39E 11–0 2.4
STR IV 10 14 14 54.0–1.3 42N–7.0 2E–5.0 2 2.2
ISC Event type ke.
LDG Event type ke.
MRB Event type ke.
MDD Event type ke.
STR Event type se. manual. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/pyrenees_taup-2.11. preliminary.
ISC IV 15 11 04 34.6–.89 41.82N–.02 2.67E–.02 18–3 358 0-14
IDC IV 15 11 04 34.3–1.9 41.95N 2.60E 0 4.0L,3.7 ¶610532485
INMG IV 15 11 04 34.5–2.0 41.99N 2.86E 22–7 3.4L,3.7
MDD IV 15 11 04 36.7–.23 41.83N 2.68E 12–0 3.9,3.7
MRB IV 15 11 04 36.6–.20 41.84N 2.65E 8–1 3.8L,3.7
LDG IV 15 11 04 36.0–.08 41.84N 2.63E 8 3.7L,3.6
STR IV 15 11 04 36.7–.55 42N–5.0 3E–2.0 10 3.8,3.6
PRU IV 15 11 04 39.9–.00 42.67N 2.19E 1 3.8,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=33.0km s-min=18.5km az=146.0.
INMG Event type ke. Error ellipse: s-maj=9.8km s-min=6.8km az=81.0.
MDD Event type ke. Error ellipse: s-maj=2.2km s-min=1.4km az=122.0.
MRB Event type ke. Error ellipse: s-maj=0.6km s-min=0.5km az=324.0.
LDG Event type ke. Error ellipse: s-maj=1.6km s-min=1.1km az=158.0.
STR Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=3.7. manual. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/pyrenees_taup-2.11. preliminary.
ISC IV 15 16 54 52.4–.84 41.82N–.02 2.67E–.02 17–6 148 0-5
MDD IV 15 16 54 52.4–.43 41.81N 2.64E 2–2 2.8 ¶610578646
MRB IV 15 16 54 52.7–.20 41.83N 2.66E 9–1 2.3L
LDG IV 15 16 54 52.3–.12 41.84N 2.66E 6 2.8L
STR IV 15 16 54 54.1–1.0 42N–5.0 3E–5.0 5 2.6
ISC Event type ke.
MDD Event type ke.
MRB Event type ke.
LDG Event type ke.
STR Event type se. manual. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/pyrenees_taup-2.11. preliminary.
ISC IV 15 19 03 35.8–.91 41.81N–.02 2.71E–.02 20–4 223 0-8
MDD IV 15 19 03 35.0–.46 41.80N 2.72E 0–2 3.3 ¶610578648
STR IV 15 19 03 35.5–1.3 42N–7.0 3E–9.0 6 3.2
SFS IV 15 19 03 36.4 41.81N 2.80E 21 3.4L,3.3
MRB IV 15 19 03 36.4–.20 41.84N 2.65E 9–1 2.9L,3.3
LDG IV 15 19 03 36.4–.11 41.86N 2.69E 2 3.3L,3.2
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=3.2km s-min=2.2km az=124.0.
STR Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=101.3. manual. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/pyrenees_taup-2.11. preliminary.
MRB Event type ke. Error ellipse: s-maj=0.8km s-min=0.6km az=323.0.
LDG Event type ke. Error ellipse: s-maj=2.3km s-min=1.7km az=150.0.
ISC IV 16 22 37 46.9–.66 42.80N–.02 7.25W–.02 10 274 1-12
MDD IV 16 22 37 48.7–.20 42.80N 7.29W 12–0 3.6 ¶610578653
LDG IV 16 22 37 48.8–.13 42.83N 7.27W 12 3.5L
SFS IV 16 22 37 48.3 42.83N 7.26W 13 4.2L,4.0
IGIL IV 16 22 37 49.2 42.79N 7.27W 6 2.3L,4.0
INMG IV 16 22 37 50.0–2.2 42.78N 7.22W 24–3 3.1L,4.0
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=2.0km s-min=1.3km az=136.0.
LDG Event type ke. Error ellipse: s-maj=3.0km s-min=2.0km az=116.0.
INMG Event type ke. Error ellipse: s-maj=4.0km s-min=2.2km az=127.0.
ISC V 09 00 50 06.0–1.1 42.62N–.02 8.41W–.03 15–8 105 0-8
MDD V 09 00 50 08.0–.44 42.63N 8.43W 12–0 2.7 ¶610641317
INMG V 09 00 50 07.7–1.8 42.65N 8.41W 12–4 2.2L
LDG V 09 00 50 07.6–.16 42.67N 8.41W 2 2.9L
SFS V 09 00 50 07.6 42.69N 8.51W 21 3.6,3.6L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=3.8km s-min=2.6km az=115.0.
INMG Event type ke. Error ellipse: s-maj=3.5km s-min=2.3km az=102.0.
LDG Event type ke. Error ellipse: s-maj=3.1km s-min=2.4km az=77.0.
ISC V 10 03 00 25.5–.97 41.87N–.02 2.71E–.02 13–7 115 0-5
MRB V 10 03 00 26.6–.20 41.83N 2.65E 9–1 2.0L ¶610654228
LDG V 10 03 00 26.8–.17 41.85N 2.65E 9 2.5L,2.4
STR V 10 03 00 28.3–1.3 42N–6.0 3E–5.0 5 2.2,2.4
MDD V 10 03 00 28.1–.48 41.88N 2.64E 11–0 2.6,2.4
ISC Event type ke.
MRB Event type ke. Error ellipse: s-maj=0.7km s-min=0.5km az=315.0.
LDG Event type ke. Error ellipse: s-maj=3.2km s-min=2.1km az=156.0.
STR Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=154.9. manual. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/pyrenees_taup-2.11. preliminary.
MDD Event type ke. Error ellipse: s-maj=4.3km s-min=2.4km az=121.0.
ISC V 18 10 07 53.3–.80 37.04N–.02 3.91W–.01 17–5 3.4b 292 0-76
IDC V 18 10 07 51.5–1.3 37.01N 4.09W 0 3.3b,3.2 ¶610654332
LDG V 18 10 07 54.2–.14 37.02N 3.91W 12 3.3L,3.2
SFS V 18 10 07 54.5 37.03N 3.97W 3 3.7L,3.6L
MDD V 18 10 07 55.4–.15 36.98N 3.93W 12–0 3.7,3.6L
INMG V 18 10 07 55.1–2.0 37.00N 3.91W 11–4 3.4L,3.6L
CNRM V 18 10 07 56.9 36.84N 3.99W 22 3.2L,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=28.9km s-min=14.1km az=91.0.
LDG Event type ke. Error ellipse: s-maj=2.9km s-min=2.4km az=165.0.
MDD Event type ke. Error ellipse: s-maj=1.6km s-min=1.0km az=163.0.
INMG Event type ke. Error ellipse: s-maj=2.5km s-min=2.0km az=19.0.
ISC V 23 11 54 08.4–.69 42.05N–.02 7.26W–.02 11 139 0-7
SFS V 23 11 54 10.4 42.12N 7.36W 20 3.7L,3.5 ¶610654411
MDD V 23 11 54 11.0–.29 42.05N 7.37W 12–0 3.0,3.5
LDG V 23 11 54 10.9–.09 42.10N 7.34W 12 3.0L,3.5
IGIL V 23 11 54 11.5 42.07N 7.32W 17 2.3L,3.5
INMG V 23 11 54 11.3–2.1 42.08N 7.32W 22–3 2.7L,3.5
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=2.5km s-min=1.8km az=103.0.
LDG Event type ke. Error ellipse: s-maj=2.4km s-min=1.7km az=118.0.
INMG Event type ke. Error ellipse: s-maj=3.5km s-min=2.4km az=71.0.
ISC V 31 22 51 16.9–.97 42.20N–.02 2.36W–.01 16–8 328 1-10
STR V 31 22 51 18.8–1.1 42N–5.0 2W–7.0 5 3.2 ¶610670828
SFS V 31 22 51 18.4 42.29N 2.38W 13 3.7L,3.6L
INMG V 31 22 51 18.9–1.7 42.20N 2.33W 13–3 2.9L,3.6L
MDD V 31 22 51 19.4–.12 42.22N 2.32W 12–0 3.2,3.6L
LDG V 31 22 51 19.7–.07 42.23N 2.30W 10 3.2L,3.6L
IGIL V 31 22 51 20.1 42.22N 2.32W 12 3.2L,3.6L
ISC Event type ke.
STR Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=86.4. manual. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/pyrenees_taup-2.11. preliminary.
INMG Event type ke. Error ellipse: s-maj=2.3km s-min=1.6km az=133.0.
MDD Event type ke. Error ellipse: s-maj=1.1km s-min=0.8km az=145.0.
LDG Event type ke. Error ellipse: s-maj=2.3km s-min=1.4km az=142.0.
MDD V 31 22 52 56.0–.22 42.21N 2.33W 12–0 2.4
STR V 31 22 52 54.6–1.5 42N–6.0 2W–11 5 2.5 ¶610670829
LDG V 31 22 52 55.5–.18 42.19N 2.34W 10 2.7L
MDD Event type ke. Error ellipse: s-maj=1.6km s-min=1.1km az=141.0.
STR Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=98.4. manual. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/pyrenees_taup-2.11. preliminary.
LDG Event type ke. Error ellipse: s-maj=4.1km s-min=2.8km az=130.0.
MDD VI 02 03 16 51.0–.74 43.23N 3.60W 11–2 1.1
¶615223969
MDD Event type ke. Error ellipse: s-maj=5.7km s-min=4.2km az=17.0.
ISC VI 06 20 00 22.0–1.0 42.21N–.02 8.05W–.02 17–3 94 0-6
SFS VI 06 20 00 22.6 42.24N 8.05W 21 3.5L,3.5 ¶610933021
INMG VI 06 20 00 22.7–1.7 42.22N 8.07W 12–4 2.5L,3.5
MDD VI 06 20 00 22.7–.33 42.22N 8.07W 10–0 3.0,3.5
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=3.0km s-min=2.2km az=86.0.
MDD Event type ke. Error ellipse: s-maj=2.8km s-min=2.2km az=98.0.
ISC VI 08 13 51 47.2–1.2 39.69N–.03 0.03W–.04 15–11 28 1-2
SFS VI 08 13 51 47.3 39.74N 0.02W 10 2.5L,2.5 ¶614953400
MDD VI 08 13 51 47.8–.37 39.69N 0.03W 18–8 2.3,2.5
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=3.0km s-min=2.1km az=125.0.

ISC VI 16 15 57 30.9–1.0 41.85N–.02 1.96W–.02 14–8 143 1-7
SFS VI 16 15 57 31.8 41.97N 1.99W 0 3.5L,3.5 **¶610697513**
LDG VI 16 15 57 32.5–.08 41.85N 1.94W 2 3.0,3.0L
STR VI 16 15 57 33.6–1.1 42N–6.0 2W–6.0 5 2.6,3.0L
MDD VI 16 15 57 33.3–.19 41.89N 1.95W 12–0 2.9,3.0L
INMG VI 16 15 57 33.3–1.5 41.85N 1.94W 13–3 2.5L,3.0L
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=2.0km s-min=1.4km az=132.0.
STR Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=46.1. manual. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/pyrenees_taup-2.11. preliminary.
MDD Event type ke. Error ellipse: s-maj=1.5km s-min=1.0km az=142.0.
INMG Event type ke. Error ellipse: s-maj=2.4km s-min=1.8km az=126.0.
ISC VI 19 17 18 31.8–.97 38.02N–.02 4.12W–.02 15–9 34 0-3
MDD VI 19 17 18 32.3–.49 38.03N 4.11W 21–2 1.9 **¶614953430**
SFS VI 19 17 18 33.8 37.98N 4.16W 0 1.8L,1.8
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=4.0km s-min=2.9km az=53.0.
ISC VI 29 22 32 35.5–.87 37.08N–.02 3.82W–.01 18–4 241 0-12
SFS VI 29 22 32 36.0 37.09N 3.88W 0 3.7L,3.6L **¶610780102**
INMG VI 29 22 32 36.5–1.4 37.07N 3.86W 4 3.1L,3.6L
IGIL VI 29 22 32 37.2 37.05N 3.86W 11 3.1L,3.6L
LDG VI 29 22 32 37.6–.13 37.04N 3.82W 11 3.3L,3.6L
MDD VI 29 22 32 37.2–.22 37.05N 3.86W 11–0 3.5,3.6L
CNRM VI 29 22 32 38.4 36.93N 3.79W 85 3.5,3.6L
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=1.8km s-min=1.5km az=3.0.
LDG Event type ke. Error ellipse: s-maj=3.0km s-min=1.9km az=164.0.
MDD Event type ke. Error ellipse: s-maj=2.6km s-min=1.4km az=168.0.

(378) Pyrenees.

ISC I 06 14 08 53.6–.70 43.49N–.02 0.64W–.02 10 83 0-5
LDG I 06 14 08 53.2–.08 43.55N 0.62W 10 2.9L,2.4 **¶610130578**
STR I 06 14 08 55.3–.49 44N–3.0 1W–3.0 5 2.5,2.4
MDD I 06 14 08 55.1–.27 43.50N 0.65W 12–0 2.6,2.4
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=1.9km s-min=1.4km az=115.0.
STR Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=36.2. manual. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/pyrenees_taup-2.11. preliminary.
MDD Event type ke. Error ellipse: s-maj=1.9km s-min=1.5km az=179.0.
ISC I 25 07 58 31.3–.90 43.14N–.02 0.32W–.02 11–7 60 0-4
LDG I 25 07 58 32.2–.06 43.09N 0.32W 2 2.6,2.5L **¶610505699**
STR I 25 07 58 32.2–.37 43N–3.0 0W–2.0 2 1.8,2.5L
MDD I 25 07 58 33.4–.36 43.06N 0.36W 11–0 2.4,2.5L
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=1.5km s-min=1.1km az=164.0.
STR Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=9.9. manual. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/pyrenees_taup-2.11. preliminary.
MDD Event type ke. Error ellipse: s-maj=2.8km s-min=1.8km az=179.0.
ISC I 30 07 12 51.3–.97 43.12N–.02 0.49W–.02 6–8 59 0-3
STR I 30 07 12 51.6–.45 43N–4.0 1W–2.0 2 1.9 **¶610505739**
LDG I 30 07 12 51.2–.07 43.09N 0.51W 2 2.5,2.4L
MDD I 30 07 12 52.9–.35 43.07N 0.56W 11–0 1.8,2.4L
ISC Event type ke.
STR Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=11.5. manual. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/pyrenees_taup-2.11. preliminary.
LDG Event type ke. Error ellipse: s-maj=1.4km s-min=1.2km az=163.0.
MDD Event type ke. Error ellipse: s-maj=2.6km s-min=1.7km az=6.0.
ISC II 15 04 08 26.4–.87 43.18N–.01 0.20W–.01 18–3 414 0-10
LDG II 15 04 08 27.7–.04 43.10N 0.22W 11 3.4L,3.3 **¶610272588**
STR II 15 04 08 27.8–.29 43N–3.0 0W–2.0 17–3 3.1,3.3
INMG II 15 04 08 28.9–1.4 43.10N 0.24W 12–3 2.6L,3.3
MRB II 15 04 08 28.1–.30 43.07N 0.23W 10–2 3.3L,3.3
SFS II 15 04 08 28.4 43.22N 0.17W 21 4.0,3.9L
MDD II 15 04 08 28.9–.15 43.11N 0.23W 12–0 3.3,3.9L
IGIL II 15 04 08 30.3 43.11N 0.23W 12 3.3,3.9L
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=0.9km s-min=0.8km az=90.0.
STR Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=17.9. manual. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/pyrenees_taup-2.11. preliminary.
INMG Event type ke. Error ellipse: s-maj=2.3km s-min=2.1km az=16.0.
MRB Event type ke. Error ellipse: s-maj=1.7km s-min=1.0km az=2.0.
MDD Event type ke. Error ellipse: s-maj=1.4km s-min=1.1km az=170.0.
MRB II 19 19 20 35.4–.30 42.32N 1.34E 0–2 0.7L
MDD II 19 19 20 35.7–.46 42.36N 1.33E 10–1 1.6 **¶610272719**
LDG II 19 19 20 36.4–.14 42.32N 1.34E 2 1.8L
MRB Event type ke. Error ellipse: s-maj=1.1km s-min=0.8km az=275.0.
MDD Event type ke. Error ellipse: s-maj=3.5km s-min=2.1km az=6.0.
LDG Event type ke. Error ellipse: s-maj=2.6km s-min=2.3km az=82.0.
ISC II 20 11 09 38.0–.80 42.37N–.01 1.35E–.01 11–5 295 0-9
MRB II 20 11 09 38.8–.60 42.32N 1.32E 5–3 3.2L **¶610272775**
MDD II 20 11 09 40.0–.17 42.33N 1.35E 12–0 3.6
LDG II 20 11 09 39.3–.06 42.31N 1.33E 2 3.9L,3.4
INMG II 20 11 09 40.2–1.1 42.25N 1.35E 20–7 3.1L,3.4
STR II 20 11 09 40.5–.61 42N–5.0 1E–2.0 5 3.5,3.4
SFS II 20 11 09 43.4 42.06N 1.31E 112 3.8L,3.8
ISC Event type ke.
MRB Event type ke. Error ellipse: s-maj=1.4km s-min=1.1km az=72.0.
MDD Event type ke. Error ellipse: s-maj=1.4km s-min=1.3km az=165.0.
LDG Event type ke. Error ellipse: s-maj=1.2km s-min=1.1km az=150.0.
INMG Event type ke. Error ellipse: s-maj=4.3km s-min=2.8km az=122.0.
STR Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=1.5. manual. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/pyrenees_taup-2.11. preliminary.
ISC II 20 17 03 39.7–.59 43.49N–.02 0.66W–.02 13 307 0-10
STR II 20 17 03 41.6–.44 43N–3.0 1W–3.0 5 3.5 **¶610272781**
LDG II 20 17 03 42.2–.03 43.50N 0.64W 2 3.6L,3.2
MDD II 20 17 03 42.8–.13 43.48N 0.66W 11–0 3.2,3.2
INMG II 20 17 03 43.4–1.3 43.49N 0.67W 18–3 2.9L,3.2
SFS II 20 17 03 46.0 43.28N 0.66W 107 4.4L,4.3
ISC Event type ke.
STR Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=131.2. manual. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/pyrenees_taup-2.11. preliminary.
LDG Event type ke. Error ellipse: s-maj=0.8km s-min=0.6km az=120.0.
MDD Event type ke. Error ellipse: s-maj=1.1km s-min=0.9km az=153.0.
INMG Event type ke. Error ellipse: s-maj=2.2km s-min=2.1km az=35.0.
STR II 21 00 53 22.4–2.5 42N–12 1E–7.0 5 0.8
¶616228563
STR Event type se. manual. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/pyrenees_taup-2.11. preliminary.
MRB II 21 00 54 02.2–.30 42.32N 1.34E 0–3 0.0L
¶615222731
MRB Event type ke. Error ellipse: s-maj=1.6km s-min=0.9km az=281.0.
MRB II 21 20 13 08.9–.40 42.32N 1.33E 1–3 0.3L
LDG II 21 20 13 08.9–.18 42.31N 1.33E 2 1.7L **¶610272874**
MDD II 21 20 13 09.1–.39 42.33N 1.34E 11–1 1.3
MRB Event type ke. Error ellipse: s-maj=1.3km s-min=0.9km az=283.0.
LDG Event type ke. Error ellipse: s-maj=3.4km s-min=2.6km az=158.0.
MDD Event type ke. Error ellipse: s-maj=3.2km s-min=1.8km az=8.0.
ISC II 21 23 44 30.2–.79 42.34N–.01 1.35E–.01 12–5 216 0-7
LDG II 21 23 44 30.9–.12 42.31N 1.33E 2 3.3L **¶610272885**
MRB II 21 23 44 30.4–.50 42.32N 1.32E 4–4 2.6L
STR II 21 23 44 31.5–.55 42N–4.0 1E–2.0 5 2.9
MDD II 21 23 44 32.0–.18 42.33N 1.36E 12–0 3.0
SFS II 21 23 44 34.6 42.05N 1.21E 13 3.5L,3.5
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=2.7km s-min=2.3km az=152.0.
MRB Event type ke. Error ellipse: s-maj=1.3km s-min=1.0km az=82.0.
STR Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=4.4. manual. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/pyrenees_taup-2.11. preliminary.
MDD Event type ke. Error ellipse: s-maj=1.5km s-min=1.3km az=168.0.
STR II 22 03 07 22.4–1.0 43N–4.0 0E–6.0 5 0.9
LDG II 22 03 07 21.4–.13 43.00N 0.07E 15–1 1.3,0.9L **¶616228564**
STR Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=61.5. manual. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/pyrenees_taup-2.11. preliminary.
LDG Event type ke. Error ellipse: s-maj=3.4km s-min=1.4km az=174.0.
MRB II 22 03 07 35.9–.40 42.32N 1.33E 0–3 0.2L
MDD II 22 03 07 37.4–.38 42.36N 1.32E 0 1.0 **¶610272900**
MRB Event type ke. Error ellipse: s-maj=1.5km s-min=1.1km az=103.0.
MDD Event type ke. Error ellipse: s-maj=3.4km s-min=2.2km az=2.0.
ISC III 10 06 43 33.4–.89 42.93N–.02 1.65W–.02 2–5 4.2b,3.4s 859 0-145
MOS III 10 06 43 33.3–1.1 43.07N 1.79W 10 4.4b,3.4s **¶610316877**
NEIC III 10 06 43 34.6–1.5 42.95N–.07 1.74W–.09 3–5 4.3b,4.1
LDG III 10 06 43 34.1–.07 42.91N 1.65W 12 4.6L,4.4
NEIC III 10 06 43 34.3 42.95N 1.75W 1 4.6L,4.4
STR III 10 06 43 34.3–.76 43N–5.0 2W–5.0 2 4.8,4.4
MED_R III 10 06 43 34.0–.50 42.97N 1.75W 17–3 4.1W,4.4
SFS III 10 06 43 34.3 43.25N 1.59W 21 5.2L,5.1
IDC III 10 06 43 34.5–.69 42.86N 1.52W 0 4.0,3.9b
BGS III 10 06 43 36.4–1.3 43.02N 1.66W 10 4.3L,4.3L
INMG III 10 06 43 36.7–2.6 42.92N 1.55W 15–3 4.3L,4.3L
IGIL III 10 06 43 37.7 42.85N 1.61W 1 4.3L,4.3L
MDD III 10 06 43 37.6–.10 42.92N 1.57W 12–0 4.4,4.3L
ISC Event type ke.
MOS Error ellipse: s-maj=11.6km s-min=4.1km az=50.7.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=7.8km az=132.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}0.69 $M_{\theta\theta}$-1.06 $M_{\phi\phi}$0.36 $M_{r\theta}$-0.93 $M_{\theta\phi}$0.70 $M_{\phi r}$-0.20 NP1:ϕ_s148.42000°,δ38.76000°,λ150.60000°. NP2:ϕ_s262.14000°,δ72.10000° ,λ55.03000°. Principal axes: T 1.3385,Plg50.0000°,Azm133.0000°; N 0.2850,Plg33.0000° ,Azm274.0000°; P -1.6235,Plg20.0000°,Azm18.0000° $M_0$1.50000×10^{15}
LDG Event type ke. Error ellipse: s-maj=1.9km s-min=1.3km az=130.0.
NEIC Event type se.
STR Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=40.6. manual. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/pyrenees_taup-2.11. preliminary.
MED_R nsta1 refers to body waves. nsta2 refers to surface waves, cutoff=35s. Moment Tensor Solution. Mantle waves: s8,c12;Duration: 1s0 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.18±.40 $M_{\theta\theta}$1.31±.30; $M_{\phi\phi}$-1.13±.23; $M_{r\theta}$-1.02±.54; $M_{\theta\phi}$-1.34±.23; $M_{\phi r}$-0.13±.42; Best double couple: NP1:ϕ_s249.00000°,δ89.00000°,λ151.00000°. NP2:ϕ_s340.00000°,δ61.00000°,λ1.00000°. Principal axes: T 2.2300,Plg21.0000°,Azm201.0000°; N -0.3300,Plg61.0000°,Azm68.0000° ; P -1.9100,Plg19.0000°,Azm298.0000° $M_0$2.07000×10^{15}
IDC Error ellipse: s-maj=19.2km s-min=11.7km az=122.0.
BGS Error ellipse: s-maj=16.3km s-min=25.9km az=-1.0.
INMG Event type ke. Error ellipse: s-maj=2.7km s-min=2.3km az=126.0.
MDD Event type ke. Error ellipse: s-maj=1.0km s-min=0.8km az=135.0.
ISC III 10 15 21 21.5–.90 42.96N–.02 1.60W–.02 11–6 360 0-10
SFS III 10 15 21 19.6 43.43N 1.65W 22 4.4L,4.3 **¶610330548**
LDG III 10 15 21 22.4–.08 42.94N 1.63W 11 3.7,3.7L
INMG III 10 15 21 23.9–1.8 42.91N 1.62W 7–3 3.4L,3.7L
STR III 10 15 21 24.0–1.1 43N–5.0 2W–6.0 5 3.7,3.7L
MDD III 10 15 21 24.9–.13 42.94N 1.61W 12–0 3.6,3.7L
IGIL III 10 15 21 25.5 42.94N 1.61W 12 3.6,3.7L
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=2.2km s-min=1.6km az=129.0.
INMG Event type ke. Error ellipse: s-maj=2.4km s-min=2.0km az=96.0.
STR Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=55.0. manual. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/pyrenees_taup-2.11. preliminary.
MDD Event type ke. Error ellipse: s-maj=1.2km s-min=0.8km az=156.0.
ISC III 10 17 38 21.6–.94 43.04N–.02 1.54W–.02 20–3 82 0-6
STR III 10 17 38 20.1–1.7 43N–6.0 2W–9.0 5 2.2 **¶610330549**
LDG III 10 17 38 21.5–.18 43.00N 1.52W 10 2.5,2.5L
MDD III 10 17 38 23.1–.22 43.00N 1.67W 12 2.4,2.5L
ISC Event type ke.
STR Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=63.2. manual. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/pyrenees_taup-2.11. preliminary.
LDG Event type ke. Error ellipse: s-maj=4.3km s-min=3.4km az=127.0.
MDD Event type ke. Error ellipse: s-maj=2.5km s-min=1.6km az=166.0.
ISC III 13 18 00 53.2–.92 42.96N–.02 1.57W–.02 9–7 85 0-6
LDG III 13 18 00 52.5–.14 42.92N 1.62W 10 2.7L,2.6 **¶610330631**
STR III 13 18 00 53.6–.64 43N–3.0 2W–4.0 2 2.4,2.6
MDD III 13 18 00 54.1–.20 42.89N 1.60W 0 2.7,2.6
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=2.8km s-min=2.1km az=85.0.
STR Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=106.6. manual. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/pyrenees_taup-2.11. preliminary.
MDD Event type ke. Error ellipse: s-maj=2.0km s-min=1.3km az=156.0.
ISC III 14 03 45 17.1–.82 42.54N–.01 2.24E–.01 12–6 201 0-7
MRB III 14 03 45 17.9–.20 42.51N 2.17E 6–2 2.3L **¶610330660**
LDG III 14 03 45 18.0–.06 42.49N 2.18E 6 2.8L,2.7
MDD III 14 03 45 18.1–.17 42.52N 2.20E 0 2.8,2.7
STR III 14 03 45 18.4–.60 43N–5.0 2E–3.0 5 2.6,2.7
ISC Event type ke.
MRB Event type ke.
LDG Event type ke.
MDD Event type ke.
STR Event type se. manual. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/pyrenees_taup-2.11. preliminary.
ISC III 15 08 27 51.7–.85 42.90N–.02 1.59W–.02 11–5 60 0-5
LDG III 15 08 27 51.5–.18 42.91N 1.63W 10 2.7L,2.5 **¶610477864**
STR III 15 08 27 52.4–.86 43N–3.0 2W–7.0 5 2.2,2.5
MDD III 15 08 27 52.9–.26 42.91N 1.59W 11–0 2.5,2.5
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=3.8km s-min=2.8km az=131.0.
STR Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=99.4. manual. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/pyrenees_taup-2.11. preliminary.
MDD Event type ke. Error ellipse: s-maj=2.4km s-min=1.3km az=159.0.
ISC III 23 11 43 34.9–.78 43.04N–.02 0.22W–.01 17–5 145 0-5
LDG III 23 11 43 35.5–.08 42.99N 0.22W 10 2.7L,2.6 **¶610477950**
MRB III 23 11 43 35.6–.30 42.97N 0.23W 8–3 2.1L,2.6
MDD III 23 11 43 36.6–.32 43.00N 0.25W 12–0 2.5,2.6
STR III 23 11 43 36.2–.46 43N–4.0 0W–3.0 5 2.2,2.6
ISC Event type ke.
LDG Event type ke.
MRB Event type ke.
MDD Event type ke.
STR Event type se. manual. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/pyrenees_taup-2.11. preliminary.
ISC III 25 20 06 01.3–.89 42.93N–.02 1.54W–.02 8–7 119 0-7
LDG III 25 20 06 00.8–.09 42.87N 1.62W 2 2.6,2.6L **¶610477984**
MDD III 25 20 06 01.9–.18 42.87N 1.54W 0 2.7,2.6L
STR III 25 20 06 01.2–.74 43N–3.0 2W–4.0 2 2.5,2.6L
ISC Event type ke.
LDG Event type ke.
MDD Event type ke.
STR Event type se. manual. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/pyrenees_taup-2.11. preliminary.
ISC III 25 21 31 33.1–1.0 42.98N–.02 1.58W–.02 5–8 135 0-7
LDG III 25 21 31 33.6–.10 42.88N 1.62W 2 2.8,2.7L **¶610477985**
STR III 25 21 31 33.8–.60 43N–3.0 2W–4.0 6 2.7,2.7L
MDD III 25 21 31 34.5–.17 42.90N 1.57W 0 2.6,2.7L
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=2.1km s-min=1.8km az=91.0.
STR Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=86.2. manual. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/pyrenees_taup-2.11. preliminary.
MDD Event type ke. Error ellipse: s-maj=1.6km s-min=1.1km az=160.0.
MDD III 28 12 44 24.3–.36 42.90N 1.55W 0 2.4
STR III 28 12 44 23.2–.76 43N–3.0 2W–5.0 7 1.8 **¶610478035**
LDG III 28 12 44 23.4–.08 42.92N 1.56W 2 2.0L,1.9
MDD Event type ke. Error ellipse: s-maj=3.6km s-min=2.5km az=5.0.
STR Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=95.9. manual. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/pyrenees_taup-2.11. preliminary.
LDG Event type ke. Error ellipse: s-maj=1.5km s-min=1.4km az=139.0.
ISC III 28 12 44 50.6–.91 42.94N–.02 1.51W–.02 7–7 143 0-8

STR III 28 12 44 51.5–.59 43N–3.0 2W–4.0 6 3.3 ¶610478038
INMG III 28 12 44 51.8–1.6 42.87N 1.57W 0 2.8L
LDG III 28 12 44 52.6–.09 42.90N 1.53W 2 3.3L,3.2
MDD III 28 12 44 52.3–.19 42.86N 1.54W 0 3.3,3.2
ISC Event type ke.
STR Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=84.1. manual. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/pyrenees_taup-2.11. preliminary.
INMG Event type ke. Error ellipse: s-maj=4.1km s-min=2.9km az=106.0.
LDG Event type ke. Error ellipse: s-maj=1.7km s-min=1.2km az=51.0.
MDD Event type ke. Error ellipse: s-maj=1.9km s-min=1.3km az=166.0.
ISC III 28 12 47 34.9–.95 42.93N–.02 1.57W–.02 7–7 119 0-6
STR III 28 12 47 35.9–.98 43N–3.0 2W–7.0 5 2.8 ¶610478039
INMG III 28 12 47 36.4–1.3 42.91N 1.60W 0 2.6L
MDD III 28 12 47 37.1–.18 42.86N 1.56W 0 3.0
LDG III 28 12 47 37.3–.06 42.88N 1.53W 2 3.0,3.0L
ISC Event type ke.
STR Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=82.3. manual. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/pyrenees_taup-2.11. preliminary.
INMG Event type ke. Error ellipse: s-maj=2.8km s-min=2.0km az=96.0.
MDD Event type ke. Error ellipse: s-maj=1.8km s-min=1.2km az=162.0.
LDG Event type ke. Error ellipse: s-maj=1.3km s-min=1.1km az=117.0.
ISC III 31 13 44 33.1–.86 43.09N–.02 0.35W–.02 13–6 83 0-5
LDG III 31 13 44 33.4–.06 43.05N 0.36W 2 2.8,2.7L ¶610642002
MDD III 31 13 44 34.4–.24 43.00N 0.38W 0 2.4,2.7L
STR III 31 13 44 34.2–.39 43N–4.0 0W–2.0 5 1.9,2.7L
ISC Event type ke.
LDG Event type ke.
MDD Event type ke.
STR Event type se. manual. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/pyrenees_taup-2.11. preliminary.
ISC IV 12 19 34 40.4–1.0 43.53N–.02 0.59W–.02 12–9 73 0-5
LDG IV 12 19 34 41.8–.08 43.50N 0.60W 2 2.5,2.5L ¶610578619
STR IV 12 19 34 41.4–.58 44N–4.0 1W–3.0 2 2.1,2.5L
MDD IV 12 19 34 43.0–.22 43.43N 0.59W 0 2.2,2.5L
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=1.8km s-min=1.3km az=123.0.
STR Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=169.3. manual. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/pyrenees_taup-2.11. preliminary.
MDD Event type ke. Error ellipse: s-maj=2.0km s-min=1.8km az=30.0.
ISC IV 24 18 37 02.5–.86 42.91N–.02 0.80W–.02 13–6 62 0-5
STR IV 24 18 37 02.4–.67 43N–5.0 1W–4.0 0 1.8 ¶610578738
LDG IV 24 18 37 02.3–.08 42.91N 0.79W 8 2.6,2.2L
MDD IV 24 18 37 03.4–.22 42.93N 0.81W 12 2.2,2.2L
ISC Event type ke.
STR Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=29.6. manual. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/pyrenees_taup-2.11. preliminary.
LDG Event type ke. Error ellipse: s-maj=1.7km s-min=1.5km az=16.0.
MDD Event type ke. Error ellipse: s-maj=2.5km s-min=1.5km az=5.0.
LDG IV 30 07 56 56.4–.37 42.72N 0.88W 2 1.5L,1.2
¶610641443
LDG Event type ke. Error ellipse: s-maj=7.3km s-min=2.9km az=15.0.
ISC V 01 12 32 19.1–.86 42.93N–.02 1.62W–.02 10–6 148 0-6
STR V 01 12 32 20.2–.94 43N–3.0 2W–6.0 2 2.8 ¶610641462
LDG V 01 12 32 21.4–.07 42.92N 1.55W 2 2.9L,2.8
INMG V 01 12 32 21.0–1.5 42.87N 1.60W 1 2.5L,2.8
SFS V 01 12 32 22.6 42.96N 1.62W 20 4.0,4.0L
MDD V 01 12 32 22.2–.21 42.89N 1.55W 12–0 3.0,4.0L
ISC Event type ke.
STR Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=82.3. manual. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/pyrenees_taup-2.11. preliminary.
LDG Event type ke. Error ellipse: s-maj=1.3km s-min=1.2km az=49.0.
INMG Event type ke. Error ellipse: s-maj=2.8km s-min=2.4km az=99.0.
MDD Event type ke. Error ellipse: s-maj=2.1km s-min=1.2km az=170.0.
ISC V 03 16 34 47.1–.78 42.91N–.02 1.56W–.01 11–5 262 0-8
STR V 03 16 34 46.8–.84 43N–3.0 2W–5.0 5 3.2 ¶610641489
MDD V 03 16 34 47.9–.13 42.85N 1.55W 0 3.2
INMG V 03 16 34 47.8–1.6 42.89N 1.58W 2 2.8L
LDG V 03 16 34 48.0–.07 42.91N 1.54W 2 3.4,3.2L
SFS V 03 16 34 49.7 42.98N 1.57W 23 3.9L,3.9
ISC Event type ke.
STR Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=80.6. manual. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/pyrenees_taup-2.11. preliminary.
MDD Event type ke. Error ellipse: s-maj=1.3km s-min=0.9km az=159.0.
INMG Event type ke. Error ellipse: s-maj=2.3km s-min=2.0km az=124.0.
LDG Event type ke. Error ellipse: s-maj=1.5km s-min=1.3km az=128.0.
ISC V 05 01 28 04.0–.81 42.90N–.02 0.83W–.01 13–6 204 0-8
LDG V 05 01 28 03.7–.06 42.87N 0.80W 4 3.1L,3.0 ¶610641516
SFS V 05 01 28 04.5 42.89N 0.86W 9 4.1,4.0L
STR V 05 01 28 04.5–.38 43N–3.0 1W–2.0 5 2.9,4.0L
INMG V 05 01 28 04.7–1.5 42.91N 0.82W 5–2 2.4L,4.0L
MDD V 05 01 28 05.5–.14 42.94N 0.82W 11–0 2.9,4.0L
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=1.4km s-min=0.8km az=4.0.
STR Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=21.7. manual. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/pyrenees_taup-2.11. preliminary.
INMG Event type ke. Error ellipse: s-maj=2.3km s-min=1.5km az=27.0.
MDD Event type ke. Error ellipse: s-maj=1.4km s-min=0.9km az=174.0.
ISC V 05 02 03 40.2–.81 42.96N–.02 0.75W–.01 14–5 135 0-6
STR V 05 02 03 40.9–.39 43N–3.0 1W–2.0 5 2.2 ¶610641517
MDD V 05 02 03 41.8–.17 42.94N 0.83W 11–0 2.5
LDG V 05 02 03 41.0–.07 42.92N 0.80W 4 2.6,2.6L
ISC Event type ke.
STR Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=21.5. manual. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/pyrenees_taup-2.11. preliminary.
MDD Event type ke. Error ellipse: s-maj=1.8km s-min=1.0km az=175.0.
LDG Event type ke. Error ellipse: s-maj=1.5km s-min=1.3km az=179.0.
ISC V 09 04 59 39.8–.89 43.10N–.02 0.54W–.02 9–7 74 0-6
STR V 09 04 59 41.0–.45 43N–4.0 1W–3.0 5 2.0 ¶610641320
LDG V 09 04 59 41.1–.10 43.07N 0.54W 2 2.7L,2.6
MDD V 09 04 59 42.6–.26 43.08N 0.56W 12–0 2.2,2.6
ISC Event type ke.
STR Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=28.3. manual. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/pyrenees_taup-2.11. preliminary.
LDG Event type ke. Error ellipse: s-maj=2.1km s-min=1.7km az=161.0.
MDD Event type ke. Error ellipse: s-maj=1.8km s-min=1.4km az=2.0.
ISC V 11 09 37 22.5–.81 42.84N–.02 0.16E–.01 14–5 127 0-4
MRB V 11 09 37 23.3–.20 42.81N 0.12E 10–1 1.9L ¶610654252
LDG V 11 09 37 23.1–.07 42.80N 0.13E 9 2.8L,2.7
STR V 11 09 37 23.8–.39 43N–4.0 0E–2.0 5 2.1,2.7
MDD V 11 09 37 24.2–.29 42.84N 0.12E 12–0 2.5,2.7
ISC Event type ke.
MRB Event type ke. Error ellipse: s-maj=1.0km s-min=0.5km az=244.0.
LDG Event type ke. Error ellipse: s-maj=1.6km s-min=1.2km az=21.0.
STR Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=22.1. manual. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/pyrenees_taup-2.11. preliminary.
MDD Event type ke. Error ellipse: s-maj=2.3km s-min=1.3km az=9.0.
ISC V 13 11 26 52.6–.86 42.98N–.02 0.30E–.01 18–2 138 0-4
LDG V 13 11 26 51.9–.03 42.99N 0.29E 16 2.8,2.7L ¶610654278
MRB V 13 11 26 52.8–.30 42.97N 0.29E 10–2 2.2L,2.7L
STR V 13 11 26 53.1–.38 43N–4.0 0E–2.0 5 2.3,2.7L
MDD V 13 11 26 53.3–.23 42.99N 0.30E 12 2.7,2.7L
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=0.8km s-min=0.6km az=11.0.
MRB Event type ke. Error ellipse: s-maj=1.4km s-min=0.8km az=221.0.
STR Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=4.9. manual. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/pyrenees_taup-2.11. preliminary.
MDD Event type ke. Error ellipse: s-maj=2.4km s-min=1.4km az=9.0.
ISC V 18 09 50 59.9–.00 42.67N–.02 3.38E–.02 18–5 100 0-4
STR V 18 09 51 00.7–1.5 43N–6.0 3E–8.0 5 2.0 ¶610654331
MRB V 18 09 51 00.9–.20 42.66N 3.32E 1.8L
LDG V 18 09 51 00.5–.07 42.66N 3.31E 13 2.7,2.6L
ISC Event type ke.
STR Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=119.5. manual. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/pyrenees_taup-2.11. preliminary.
MRB Event type ke. Error ellipse: s-maj=1.7km s-min=1.1km az=92.0.
LDG Event type ke. Error ellipse: s-maj=1.5km s-min=1.0km az=149.0.
ISC V 19 05 00 41.6–.88 43.11N–.02 0.56W–.02 8–7 67 0-4
LDG V 19 05 00 41.8–.07 43.10N 0.57W 2 2.5,2.5L ¶610654344
STR V 19 05 00 42.2–.31 43N–3.0 1W–2.0 2 2.1,2.5L
MDD V 19 05 00 42.2–.24 43.08N 0.57W 0 2.4,2.5L
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=1.5km s-min=1.2km az=168.0.
STR Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=9.1. manual. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/pyrenees_taup-2.11. preliminary.
MDD Event type ke. Error ellipse: s-maj=2.4km s-min=1.5km az=4.0.
ISC V 27 04 04 16.1–.74 43.10N–.01 0.06W–.01 16–4 298 0-8
MRB V 27 04 04 16.9–.30 43.04N 0.10W 9–2 2.5L ¶610670740
INMG V 27 04 04 16.2–1.4 43.12N 0.05W 2 2.3L
SFS V 27 04 04 17.8 42.98N 0.14W 0 3.6L,3.6
LDG V 27 04 04 17.2–.07 43.05N 0.05W 10 2.9,2.8L
STR V 27 04 04 17.2–.36 43N–3.0 0W–2.0 10 2.5,2.8L
MDD V 27 04 04 18.1–.16 43.06N 0.07W 12–0 2.8,2.8L
ISC Event type ke.
MRB Event type ke. Error ellipse: s-maj=1.0km s-min=0.7km az=350.0.
INMG Event type ke. Error ellipse: s-maj=3.1km s-min=2.0km az=45.0.
LDG Event type ke. Error ellipse: s-maj=1.5km s-min=1.3km az=164.0.
STR Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=17.5. manual. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/pyrenees_taup-2.11. preliminary.
MDD Event type ke. Error ellipse: s-maj=1.4km s-min=1.0km az=0.0.
ISC V 27 15 17 25.6–.78 43.10N–.02 1.60W–.02 16–5 214 0-8
STR V 27 15 17 24.7–.82 43N–4.0 2W–5.0 5 2.8 ¶610670744
MDD V 27 15 17 26.6–.24 43.06N 1.64W 3–1 3.0
LDG V 27 15 17 26.0–.07 43.11N 1.59W 2 3.2,2.9L
INMG V 27 15 17 26.1–1.8 43.11N 1.59W 13–2 2.5L,2.9L
SFS V 27 15 17 27.2 43.12N 1.63W 22 3.7,3.7L
ISC Event type ke.
STR Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=104.2. manual. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/pyrenees_taup-2.11. preliminary.
MDD Event type ke. Error ellipse: s-maj=2.0km s-min=1.3km az=171.0.
LDG Event type ke. Error ellipse: s-maj=1.7km s-min=1.3km az=118.0.
INMG Event type ke. Error ellipse: s-maj=3.3km s-min=2.7km az=49.0.
ISC VI 01 19 00 35.5–.77 42.63N–.02 0.27E–.01 11–4 132 0-5
MRB VI 01 19 00 35.7–.20 42.56N 0.22E 0–2 1.8L ¶610670837
LDG VI 01 19 00 35.7–.06 42.56N 0.23E 5 2.6,2.5L
MDD VI 01 19 00 37.4–.18 42.60N 0.24E 0 2.2,2.5L
STR VI 01 19 00 38.2–.74 43N–8.0 0E–3.0 2 2.0,2.5L
ISC Event type ke.
MRB Event type ke.
LDG Event type ke.
MDD Event type ke.
STR Event type se. manual. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/pyrenees_taup-2.11. preliminary.
ISC VI 12 21 40 39.7–.72 42.63N–.01 2.17E–.01 17–3 249 0-7
STR VI 12 21 40 40.8–.38 43N–3.0 2E–2.0 5 2.6 ¶610697461
MRB VI 12 21 40 40.9–.20 42.60N 2.11E 10–1 2.3L
MDD VI 12 21 40 42.0–.20 42.59N 2.20E 12–0 2.9
LDG VI 12 21 40 41.0–.08 42.59N 2.12E 2 3.0L
SFS VI 12 21 40 42.3 42.64N 2.37E 51 3.7L,3.7
ISC Event type ke.
STR Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=174.6. manual. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/alpes_taup-2.11. preliminary.
MRB Event type ke. Error ellipse: s-maj=0.6km s-min=0.5km az=19.0.
MDD Event type ke. Error ellipse: s-maj=1.8km s-min=1.5km az=47.0.
LDG Event type ke. Error ellipse: s-maj=1.7km s-min=1.3km az=140.0.
ISC VI 12 22 39 21.0–.78 42.62N–.01 2.15E–.01 17–5 179 0-7
LDG VI 12 22 39 21.8–.06 42.59N 2.12E 2 2.7,2.7L ¶610697464
MRB VI 12 22 39 21.6–.20 42.61N 2.11E 10–1 2.0L,2.7L
STR VI 12 22 39 22.2–.45 43N–3.0 2E–2.0 5 2.2,2.7L
MDD VI 12 22 39 22.5–.23 42.58N 2.14E 11–0 2.7,2.7L
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=1.3km s-min=1.1km az=135.0.
MRB Event type ke. Error ellipse: s-maj=0.8km s-min=0.7km az=9.0.
STR Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=177.5. manual. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/pyrenees_taup-2.11. preliminary.
MDD Event type ke. Error ellipse: s-maj=2.0km s-min=1.7km az=36.0.
ISC VI 18 03 30 47.7–.85 42.82N–.02 1.85W–.02 16–6 115 0-6
MDD VI 18 03 30 48.9–.16 42.82N 1.85W 12 2.3 ¶610697546
LDG VI 18 03 30 48.5–.07 42.81N 1.85W 2 2.5,2.4L
STR VI 18 03 30 49.2–1.2 43N–4.0 2W–6.0 2 2.1,2.4L
INMG VI 18 03 30 49.3–1.2 42.84N 1.83W 17–3 1.9L,2.4L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=1.7km s-min=1.0km az=164.0.
LDG Event type ke. Error ellipse: s-maj=1.5km s-min=1.2km az=140.0.
STR Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=66.9. manual. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/pyrenees_taup-2.11. preliminary.
INMG Event type ke. Error ellipse: s-maj=1.9km s-min=1.8km az=108.0.
STR VI 27 16 30 40.1–.73 43N–7.0 1W–5.0 5 1.5
LDG VI 27 16 30 39.3–.05 43.14N 1.16W 17 1.7L,0.8 ¶610780077
MDD VI 27 16 30 40.2–.60 43.14N 1.16W 11–1 1.9,0.8
STR Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=29.3. manual. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/pyrenees_taup-2.11. preliminary.
LDG Event type ke. Error ellipse: s-maj=1.6km s-min=0.9km az=12.0.
MDD Event type ke. Error ellipse: s-maj=5.8km s-min=2.7km az=10.0.
LDG VI 27 16 30 44.0–.09 43.13N 1.17W 19 1.8L,1.4
¶617481156
LDG Event type ke. Error ellipse: s-maj=2.6km s-min=1.6km az=179.0.

(380) Corsica.

ROM V 16 15 45 40.4–.28 43.99N–.01 8.43E–.01 9–1 1.2L
GEN V 16 15 45 40.9 43.98N 8.43E 6–2 1.1L ¶610654313
LDG V 16 15 45 40.9–.08 43.96N 8.44E 6 1.8,1.7L
ROM Event type se. Error ellipse: s-maj=1.3km s-min=0.4km az=326.0. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
LDG Event type ke. Error ellipse: s-maj=1.4km s-min=1.2km az=58.0.

(381) Central Italy.

ROM I 01 00 19 40.7–.04 42.802N–.00 13.103E–.00 10–0 1.9L
¶609947714
ROM Event type se. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC I 01 00 20 40.3–.83 42.80N–.02 13.16E–.03 12–5 46 0-5
ROM I 01 00 20 40.5–.05 42.805N–.00 13.145E–.01 10–0 2.7L ¶616063888
ISC Event type se.
ROM Event type se. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 01 07 10 06.4–.13 42.845N–.00 13.038E–.01 9–0 1.0L
¶616063588
ROM Event type se. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC I 01 07 10 27.1–.75 42.94N–.02 13.02E–.02 13–4 129 0-9
PRU I 01 07 10 23.2–.00 42.58N 14.06E 10 ¶609947733
LDG I 01 07 10 26.4–.07 42.96N 13.04E 9 2.4L
ROM I 01 07 10 27.0–.05 42.950N–.00 13.041E–.01 9–0 2.7L
ISC Event type ke.
LDG Event type ke.
ROM Event type se. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.

ROM I 01 08 37 29.6–.06 42.910N–.00 13.169E–.01 8–0 1.7L ¶609950375
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 01 11 44 26.4–.03 42.840N–.00 13.091E–.00 11 1.5L ¶609947739
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 01 11 44 43.8–.04 43.433N–.00 12.660E–.00 7–0 2.4L ¶616063889
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC I 02 03 36 14.5–.69 42.80N–.01 12.71E–.02 10–4 4.3b,3.2s 600 0-87
LDG I 02 03 36 13.9–.11 42.72N 12.69E 8 3.6L,3.2s **¶609949348**
ROM I 02 03 36 13.5–.04 42.804N–.00 12.753E–.00 8–0 4.1L,3.9W
IDC I 02 03 36 14.3–.89 42.93N 12.55E 0 3.9b,3.8
MED_R I 02 03 36 14.0–.50 42.80N 12.75E 10 4.1W,3.8
PDG I 02 03 36 14.2–1.2 42.81N 12.75E 8–1 4.2,4.1L
NEIC I 02 03 36 14.5–2.0 42.79N–.05 12.74E–.07 10–1 4.3b,4.1L
PRU I 02 03 36 16.4–.00 42.90N 12.75E 0 4.3,4.1L
BEO I 02 03 36 19.4–.60 42.95N 13.05E 10 4.1L,4.1L
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=4.6km s-min=2.3km az=39.0.
ROM Event type se. Error ellipse: s-maj=0.2km s-min=0.1km az=37.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1. Moment Tensor Solution.
Moment tensor: Scale 10^{14}Nm; M_{rr}0.15 $M_{\theta\theta}$4.77 $M_{\phi\phi}$-4.91 $M_{r\theta}$0.17 $M_{\theta\phi}$-6.99 $M_{\phi r}$-2.61 NP1:
ϕ_s73.00000°,δ74.00000°,λ-177.00000°. NP2:ϕ_s342.00000°,δ87.00000°,λ-16.00000°.
$M_0 8.88604\times10^{14}$
IDC Error ellipse: s-maj=14.5km s-min=12.7km az=83.0.
MED_R nsta1 refers to body waves. nsta2 refers to surface waves, cutoff=30s. Moment Tensor
Solution. Mantle waves: s12,c16;Duration: 1s0 Moment tensor: Scale 10^{15}Nm; $M_{rr}0.12\pm.16$
$M_{\theta\theta}0.92\pm.14$; $M_{\phi\phi}-1.03\pm.14$; $M_{r\theta}-0.10\pm.40$; $M_{\theta\phi}-1.28\pm.14$; $M_{\phi r}0.03\pm.39$; Best double couple:
NP1:ϕ_s251.00000°,δ88.00000°,λ177.00000°. NP2:ϕ_s341.00000°,δ87.00000°,λ2.00000°.
Principal axes: T 1.5600,Plg4.0000°,Azm206.0000°; N 0.1100,Plg86.0000°,Azm36.0000°
; P -1.6600,Plg1.0000°,Azm296.0000° $M_0 1.61000\times10^{15}$
PDG Event type ke. Error ellipse: s-maj=0.7km s-min=0.9km az=0.0.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=7.3km az=221.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BEO Event type ke.
ROM I 02 09 09 54.8–.08 42.912N–.00 13.213E–.01 9–0 1.4L ¶614347518
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 02 13 51 24.2–.07 42.867N–.00 13.233E–.00 12–0 2.0L ¶614347625
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 02 16 11 50.5–.08 43.038N–.00 13.066E–.01 9–0 1.7L ¶614347664
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 02 20 00 20.4–.16 43.007N–.01 13.057E–.01 5–1 2.3L ¶611306247
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 02 21 33 57.9–.07 42.931N–.00 13.214E–.00 8–0 1.4L ¶614347748
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 02 23 19 30.3–.22 42.702N–.01 13.00E–.01 7–1 1.1L ¶614347776
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 03 09 17 46.4–.57 42.88N–.03 13.21E–.04 14–3 1.8L ¶614347947
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 03 22 09 29.3–.03 42.710N–.00 13.270E–.00 11–0 1.3L ¶614348091
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 03 23 20 38.2–.12 42.918N–.00 13.203E–.01 6–0 1.8L ¶614348121
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 04 00 26 41.2–.07 43.017N–.00 13.101E–.01 10–0 1.7L ¶614348133
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 04 05 53 06.4–.05 42.726N–.00 13.194E–.00 10–0 1.8L ¶614348210
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 04 08 28 54.4–.17 42.559N–.00 13.239E–.00 9–1 0.8L ¶614348244
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 04 15 54 28.8–.03 42.812N–.00 13.131E–.00 10–0 1.2L ¶614348358
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 05 10 52 05.1–.14 43.025N–.00 13.053E–.01 7–0 1.0 ¶614348553
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 05 14 44 31.3–.38 42.674N–.01 13.13E–.02 9–2 1.7L ¶614348605
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 05 17 49 13.8–.03 42.828N–.00 13.077E–.00 11 1.6L ¶614348620
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 06 13 16 41.1–.11 42.908N–.00 13.022E–.01 12–1 0.9L ¶614348735
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 07 08 00 28.5–.10 42.751N–.00 13.225E–.00 8–0 0.7 ¶610448576
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 08 10 18 09.0–.05 42.720N–.00 13.210E–.00 12–0 1.3L ¶614375213
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 08 10 23 22.9–.36 42.82N–.01 13.11E–.02 18–2 1.6L ¶614375216
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 08 23 55 15.7–.09 42.581N–.00 13.229E–.01 11–0 1.6L ¶614375363
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 09 09 52 08.7–.04 42.721N–.00 13.204E–.00 11–0 1.9L ¶614375481
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 09 18 04 44.8–.03 42.806N–.00 13.150E–.00 10–0 2.8L ¶610050587
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 10 11 12 06.3–.10 43.041N–.00 13.235E–.01 9–0 1.4L ¶610051607
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 10 14 22 00.0–.12 42.878N–.00 13.179E–.00 5–0 0.6 ¶612185357
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 10 15 44 13.5–.04 42.882N–.00 13.146E–.00 11–0 1.7L ¶614375802
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC I 10 16 27 36.5–.79 43.84N–.02 11.89E–.02 18–1 175 0-8
LDG I 10 16 27 36.5–.11 43.78N 11.86E 10 2.7L **¶610051623**
ROM I 10 16 27 37.0–.08 43.847N–.00 11.913E–.01 16–1 2.8L
PRU I 10 16 27 39.1–.00 43.95N 12.25E 10 2.8L
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=3.2km s-min=2.4km az=40.0.
ROM Event type se. Error ellipse: s-maj=0.6km s-min=0.2km az=44.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 10 16 31 14.4–.05 42.786N–.00 13.103E–.01 10–0 2.0L ¶614375816
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 10 19 34 27.8–.07 42.835N–.00 13.162E–.01 9–0 1.4L ¶614375869
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 12 04 55 05.3–.03 42.805N–.00 13.131E–.00 10–0 2.5L ¶616063890
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 12 05 14 40.1–.04 42.750N–.00 13.181E–.00 11–0 1.8L ¶614376218
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 12 10 44 39.0–.18 43.134N–.01 13.49E–.02 27–1 1.9L ¶614376271
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 12 12 41 02.2–.04 42.881N–.00 13.191E–.00 11–0 1.8L ¶614376288
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 13 07 34 04.0–.04 42.657N–.00 13.318E–.00 11 2.3L ¶614376427
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 13 09 04 46.4–.12 42.969N–.00 13.039E–.00 7–0 1.5L ¶610074540
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 14 06 29 15.8–.09 42.657N–.00 13.321E–.01 12–0 1.6L ¶614376552
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 14 06 30 22.8–.20 43.06N–.01 13.10E–.01 10–1 1.1L ¶614376553
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 15 03 37 25.3–.06 42.581N–.00 13.235E–.00 10–0 2.2L ¶614376705
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 16 16 53 45.9–.04 42.726N–.00 13.206E–.00 11–0 2.3L ¶610097494
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 16 16 54 15.0–.03 42.735N–.00 13.199E–.00 11–0 2.5L ¶616063891
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 17 10 45 53.5–.05 43.030N–.00 12.943E–.00 13–0 1.8L ¶614377169
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 17 19 39 42.0–.05 42.959N–.00 13.116E–.00 10–0 1.4L ¶614377229
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 18 09 30 20.1–.32 42.64N–.02 13.31E–.02 15–2 3.2L ¶616063892

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 18 09 31 05.8–.07 42.583N–.00 13.267E–.01 9–0 2.6L
¶610099374
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 18 09 51 54.3–.11 42.587N–.01 13.299E–.01 12–1 2.3L
¶616043519
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC I 18 09 52 13.0–.83 42.91N–.02 13.10E–.02 9–5 125 0-7
ROM I 18 09 52 11.8–.14 42.910N–.01 13.13E–.01 8–0 3.2L **¶610099376**
BEO I 18 09 52 13.4–.80 42.84N 13.01E 10–4 3.5L
PRU I 18 09 52 13.3–.00 42.88N 13.51E 10 3.5L
ISC Event type ke.
ROM Event type se. Error ellipse: s-maj=1.0km s-min=0.4km az=256.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
BEO Event type ke.
ROM I 18 09 55 43.7–.09 42.567N–.00 13.283E–.01 14–0 2.3L
¶610099377
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 18 09 56 34.9–.16 42.60N–.01 13.270E–.01 15–1 2.5L
¶616063893
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 18 10 09 01.7–.07 42.538N–.00 13.260E–.01 11–0 2.5L
¶610099380
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 18 10 09 59.2–.19 42.587N–.01 13.31E–.01 9–0 2.4L
¶616063894
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 18 10 13 54.8–.05 42.578N–.00 13.270E–.01 11–0 2.5L
¶616043524
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC I 18 10 15 33.4–.67 42.53N–.02 13.29E–.02 13–4 4.8b 132 0-73
ROM I 18 10 15 33.4–.07 42.528N–.00 13.285E–.01 9–0 4.7L **¶616043523**
NEIC I 18 10 15 33.0–2.0 42.58N–.06 13.32E–.04 10–1 4.7b,4.7L
ISC Event type se.
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 18 10 16 39.0–.70 42.53N–.02 13.25E–.02 18–4 142 0-41
NEIC I 18 10 16 37.8–1.9 42.53N–.06 13.23E–.02 10–2 4.6L,4.6b **¶616043526**
ROM I 18 10 16 39.6–.06 42.538N–.00 13.268E–.01 8–0 4.6L,4.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 18 10 19 21.2–.09 42.534N–.01 13.277E–.01 11–0 3.2L
¶610100817
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC I 18 10 24 14.8–.68 42.58N–.01 13.28E–.02 10–4 4.2b 260 0-128
IDC I 18 10 24 13.0–.75 42.66N 13.21E 0 3.8,3.8b **¶610099385**
LDG I 18 10 24 13.3–.16 42.60N 13.33E 10 2.9L,3.8b
ROM I 18 10 24 14.2–.06 42.581N–.00 13.311E–.01 9–0 4.0L,3.8b
NEIC I 18 10 24 16.2–2.3 42.62N–.07 13.20E–.07 10–1 4.3b,4.0L
ISC Event type ke.
LDG Event type ke.
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 18 10 25 25.4–.39 42.51N–.02 13.26E–.02 12–2 5.4s,5.3b 2001 0-152
BGR I 18 10 25 19.4–.64 41.95N 13.80E 10 5.9L,5.3b **¶610099386**
PRU I 18 10 25 22.4–.00 42.34N 13.23E 10 5.3,5.3b
BJI I 18 10 25 22.8–.00 42.60N 13.33E 5 5.9s,5.7b
IDC I 18 10 25 23.3–.37 42.60N 13.16E 0 5.0s,5.0b
ROM I 18 10 25 23.7–.03 42.503N–.00 13.277E–.00 9–0 5.4W,5.3L
PDG I 18 10 25 24.5–.58 42.55N 13.35E 11–0 5.6,5.5L
BEO I 18 10 25 24.3–.50 42.45N 13.23E 0 5.6L,5.5L
MOS I 18 10 25 24.3–1.0 42.66N 13.28E 13 5.5b,5.0s
MED_R I 18 10 25 25.0–.20 42.47N 13.23E 13–0 5.6W,5.0s
LDG I 18 10 25 25.0–.13 42.48N 13.18E 9 5.1L,4.7
NEIC I 18 10 25 25.5–1.1 42.59N–.05 13.19E–.06 10–1 5.6,5.6
BGS I 18 10 25 25.5–4.3 42.58N 13.20E 10 5.6W,5.6
TIR I 18 10 25 26.0 42.31N 13.23E 9–6 5.9L,5.6
STR I 18 10 25 27.0–2.0 43N–8.0 13E–16 10 5.3,5.6
GCMT I 18 10 25 27.5–.10 42.45N–.01 13.29E–.01 13–0 5.7W,5.6
NEIC I 18 10 25 30 42.49N 13.23E 12 5.7W,5.6
BNS I 18 10 25 30.7–.32 42.73N 13.18E 10 5.3L,5.6
ISC Event type ke.
BGR Event type ke. Error ellipse: s-maj=12.2km s-min=8.9km az=32.0.
IDC Error ellipse: s-maj=8.7km s-min=7.7km az=110.0.
ROM Event type se. Error ellipse: s-maj=0.2km s-min=0.1km az=62.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1. Moment Tensor Solution.
Moment tensor: Scale 10^{17}Nm; M_{rr}-1.25 $M_{\theta\theta}$0.50 $M_{\phi\phi}$0.75 $M_{r\theta}$0.31 $M_{\theta\phi}$-0.79 $M_{\phi r}$-0.35 NP1:
ϕ_s140.00000°,δ35.00000°,λ-89.00000°. NP2:ϕ_s319.00000°,δ55.00000°,λ-91.00000°.
$M_0$1.41669×10^{17}
PDG Event type ke. Error ellipse: s-maj=0.4km s-min=0.5km az=0.0.
BEO Event type ke.
MOS Error ellipse: s-maj=4.5km s-min=2.8km az=71.5.
MED_R Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. nsta1 refers to body waves, cutoff=40s.
nsta2 refers to surface waves, cutoff=35s. Moment Tensor Solution. Body waves: s7,c7;
Mantle waves: s44,c86;Duration: 1^{s}5 Moment tensor: Scale 10^{17}Nm; M_{rr}-3.32±.10
$M_{\theta\theta}$1.48±.06; $M_{\phi\phi}$1.84±.06; $M_{r\theta}$-0.07±.15; $M_{\theta\phi}$-1.69±.04; $M_{\phi r}$-0.40±.16; Best double couple:
NP1:ϕ_s324.00000°,δ47.00000°,λ-82.00000°. NP2:ϕ_s133.00000°,δ43.00000°,λ-98.00000°.
Principal axes: T 3.3700,Plg2.0000°,Azm48.0000°; N -0.0100,Plg6.0000°,Azm138.0000°
; P -3.3600,Plg84.0000°,Azm297.0000° $M_0$3.36000×10^{17}
LDG Event type ke. Error ellipse: s-maj=4.1km s-min=2.6km az=40.0.
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=6.8km az=192.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-2.79 $M_{\theta\theta}$1.01 $M_{\phi\phi}$1.77 $M_{r\theta}$0.51 $M_{\theta\phi}$-1.16
$M_{\phi r}$-0.05 NP1:ϕ_s151.10000°,δ41.82000°,λ-79.32000°. NP2:ϕ_s316.90000°,δ49.06000°
,λ-99.41000°. Principal axes: T 2.6325,Plg4.0000°,Azm54.0000°; N 0.2252,Plg7.0000°
,Azm323.0000°; P -2.8577,Plg82.0000°,Azm171.0000° $M_0$2.75000×10^{17}
BGS Error ellipse: s-maj=190.1km s-min=128.1km az=-1.0.
STR Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=109.1. manual.
smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. preliminary.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function. Moment Tensor Solution. s86,c123; s164,c340;Duration: 1^{s}6
Moment tensor: Scale 10^{17}Nm; M_{rr}-3.51±.07 $M_{\theta\theta}$1.37±.04; $M_{\phi\phi}$2.14±.05; $M_{r\theta}$0.18±.12;
$M_{\theta\phi}$-1.79±.03; $M_{\phi r}$-1.22±.12; Best double couple: NP1:ϕ_s331.00000°,δ54.00000°,λ-79.00000°.
NP2:ϕ_s132.00000°,δ37.00000°,λ-105.00000°. Principal axes: T 3.7440,Plg8.0000°
,Azm52.0000°; N 0.0260,Plg9.0000°,Azm144.0000°; P -3.7700,Plg77.0000°,Azm281.0000°
$M_0$3.75700×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 10^{s}4 Moment tensor: Scale 10^{17}Nm;
M_{rr}-3.17 $M_{\theta\theta}$1.23 $M_{\phi\phi}$1.94 $M_{r\theta}$-0.70 $M_{\theta\phi}$-1.58 $M_{\phi r}$0.74 NP1:ϕ_s323.00000°,δ36.00000°
,λ-87.00000°. NP2:ϕ_s140.00000°,δ54.00000°,λ-91.00000°. Principal axes:
T 3.3564,Plg9.0000°,Azm231.0000°; N -0.0298,Plg1.0000°,Azm141.0000°
; P -3.3266,Plg81.0000°,Azm42.0000° $M_0$3.34000×10^{17}
BNS Event type ke.
ROM I 18 10 29 38.1–.07 42.503N–.00 13.288E–.01 10–0 3.6L
¶616043703
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC I 18 10 30 34.0–.80 42.54N–.02 13.23E–.02 11–5 104 0-7
ROM I 18 10 30 33.5–.06 42.535N–.00 13.249E–.01 9–0 3.8L **¶610099387**
BEO I 18 10 30 36.4–.70 42.61N 13.28E 8–1 3.8L
ISC Event type ke.
ROM Event type se. Error ellipse: s-maj=0.4km s-min=0.3km az=78.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
BEO Event type ke.
ROM I 18 10 33 37.5–.15 42.527N–.01 13.291E–.01 12–2 3.1L
¶616050590
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 18 10 34 09.7–.26 42.572N–.01 13.26E–.01 10–0 3.2L
¶610099388
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC I 18 10 37 46.4–.70 42.51N–.02 13.25E–.02 16–4 3.5b 143 0-88
IDC I 18 10 37 41.8–1.5 42.16N 13.03E 0 3.8L,3.6 **¶610099389**
ROM I 18 10 37 46.1–.05 42.507N–.00 13.265E–.01 12–0 3.7L,3.6
BEO I 18 10 37 47.5–.60 42.49N 13.31E 0 4.1L,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=24.4km s-min=16.8km az=25.0.
ROM Event type se. Error ellipse: s-maj=0.4km s-min=0.1km az=53.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
BEO Event type ke.
ISC I 18 10 39 25.0–.65 42.52N–.02 13.24E–.02 16–4 4.2b 430 0-88
STR I 18 10 39 18.2–3.4 42N–20 14E–23 10 4.3 **¶610100820**
IDC I 18 10 39 22.7–.87 42.57N 13.15E 0 4.6s,3.9
ROM I 18 10 39 24.7–.03 42.533N–.00 13.271E–.00 10–0 4.1L,3.9
NEIC I 18 10 39 24.7–1.4 42.55N–.03 13.23E–.05 10–1 4.3b,4.1L
LDG I 18 10 39 25.0–.16 42.48N 13.21E 11 3.4L,4.1L
BEO I 18 10 39 27.0–.50 42.51N 13.28E 10–9 4.3L,4.1L
PRU I 18 10 39 29.1–.00 42.70N 13.35E 10 4.3,4.1L
ISC Event type ke.
STR Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=130.9. manual.
smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/alpes_taup-2.11. preliminary.
IDC Error ellipse: s-maj=16.5km s-min=13.5km az=12.0.
ROM Event type se. Error ellipse: s-maj=0.3km s-min=0.1km az=58.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
NEIC Event type se. Error ellipse: s-maj=6.4km s-min=5.4km az=129.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
LDG Event type ke. Error ellipse: s-maj=5.6km s-min=3.2km az=40.0.
BEO Event type ke.
ISC I 18 10 41 43.2–.71 42.48N–.02 13.26E–.02 12–4 3.6b 194 0-67
IDC I 18 10 41 42.0–1.2 42.61N 12.77E 0 3.7,3.7b **¶610099390**
ROM I 18 10 41 42.5–.03 42.482N–.00 13.277E–.00 10–0 3.8L,3.7b
BEO I 18 10 41 46.0–.60 42.58N 13.45E 0 4.0L,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=19.6km s-min=16.7km az=85.0.
ROM Event type se. Error ellipse: s-maj=0.3km s-min=0.2km az=66.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
BEO Event type ke.
ISC I 18 10 51 16.4–.77 42.49N–.02 13.26E–.02 13–4 142 0-8
PRU I 18 10 51 07.8–.00 42.13N 12.24E 10 **¶611654579**
ROM I 18 10 51 16.1–.05 42.488N–.00 13.275E–.01 9–0 3.5L
BEO I 18 10 51 19.0–.70 42.54N 13.38E 3–1 3.6L
ISC Event type ke.
ROM Event type se. Error ellipse: s-maj=0.4km s-min=0.2km az=69.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
BEO Event type ke.
ISC I 18 11 00 54.1–.75 42.49N–.02 13.28E–.02 13–4 191 0-15
ROM I 18 11 00 53.8–.04 42.507N–.00 13.342E–.00 9–0 3.5L **¶610099396**
BEO I 18 11 00 56.1–.70 42.56N 13.26E 13–1 3.7L
PRU I 18 11 00 57.5–.00 42.58N 13.58E 10 3.7L
ISC Event type ke.
ROM Event type se. Error ellipse: s-maj=0.3km s-min=0.1km az=58.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
BEO Event type ke.
ISC I 18 11 04 44.1–.77 42.53N–.02 13.29E–.02 12–4 127 0-7
ROM I 18 11 04 43.3–.14 42.529N–.01 13.27E–.01 12–1 3.4L **¶610099398**
BEO I 18 11 04 45.0–.70 42.53N 13.27E 6–2 3.6L
PRU I 18 11 04 47.1–.00 42.68N 13.70E 10 3.6L
ISC Event type ke.
ROM Event type se. Error ellipse: s-maj=1.0km s-min=0.7km az=46.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
BEO Event type ke.
ROM I 18 11 07 01.6–.10 42.523N–.00 13.274E–.01 14–1 2.9L
¶616043707
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC I 18 11 07 38.1–.61 42.62N–.01 13.22E–.02 13–3 4.5b 843 0-132
BGR I 18 11 07 33.9–.63 42.19N 13.64E 10 4.7L **¶610099399**
BJI I 18 11 07 34.5–.00 42.83N 12.92E 4 5.3b,4.9s
IDC I 18 11 07 36.5–.55 42.72N 13.16E 0 4.1,4.1b
PRU I 18 11 07 36.5–.00 42.58N 13.02E 10 4.7,4.1b
ROM I 18 11 07 37.2–.02 42.620N–.00 13.256E–.00 11–0 4.3L,4.1W
MOS I 18 11 07 37.2–1.1 42.76N 13.26E 13 4.7b,4.1W
MED_R I 18 11 07 37.0–1.8 42.62N 13.24E 10 4.4W,4.1W
PDG I 18 11 07 37.4–.22 42.63N 13.22E 19–3 4.6,4.5L
BEO I 18 11 07 38.3–.50 42.69N 13.27E 0 4.4L,4.5L
LDG I 18 11 07 38.8–.12 42.52N 13.11E 10 3.9L,4.5L
NEIC I 18 11 07 39.1–1.8 42.76N–.05 13.21E–.06 10–1 4.6b,4.3L
STR I 18 11 07 43.6–2.1 43N–15 13E–16 10 4.4,4.3L
ISC Event type ke.
BGR Event type ke.
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1. Moment Tensor Solution.
Moment tensor: Scale 10^{15}Nm; M_{rr}-1.67 $M_{\theta\theta}$0.57 $M_{\phi\phi}$1.09 $M_{r\theta}$0.43 $M_{\theta\phi}$-1.05 $M_{\phi r}$-0.38 NP1:
ϕ_s146.00000°,δ36.00000°,λ-84.00000°. NP2:ϕ_s318.00000°,δ54.00000°,λ-94.00000°.
$M_0$1.87850×10^{15}
MED_R nsta1 refers to body waves. nsta2 refers to surface waves, cutoff=35s. Moment Tensor
Solution. Mantle waves: s7,c7;Duration: 1^{s}1 Moment tensor: Scale 10^{15}Nm; M_{rr}-3.58±.46
$M_{\theta\theta}$1.81±.52; $M_{\phi\phi}$1.76±.37; $M_{r\theta}$-2.05±2.43; $M_{\theta\phi}$-1.73±.34; $M_{\phi r}$2.36±1.95; Best double couple:

NP1:ϕ_s137.00000°,δ66.00000°,λ-88.00000°. NP2:ϕ_s312.00000°,δ24.00000°,λ-95.00000°.
Principal axes: T 4.6900,Plg21.0000°,Azm226.0000°; N 0.0600,Plg2.0000°,Azm317.0000°
; P -4.7700,Plg69.0000°,Azm52.0000° $M_0$4.73000×10^{15}
PDG Event type ke.
BEO Event type ke.
LDG Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
STR Event type se. manual. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. preliminary.
ISC I 18 11 12 41.4–.80 42.60N–.02 13.26E–.02 10–5 92 0-7
ROM I 18 11 12 40.6–.10 42.593N–.01 13.250E–.01 11–0 3.2L **¶610099401**
PRU I 18 11 12 41.9–.00 42.54N 13.63E 10 3.2L
BEO I 18 11 12 42.5–.80 42.50N 13.37E 0 3.5L
ISC Event type ke.
ROM Event type se. Error ellipse: s-maj=0.8km s-min=0.5km az=35.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
BEO Event type ke.
ROM I 18 11 13 34.0–.08 42.502N–.01 13.311E–.01 11–1 2.8L
¶616043714
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 18 11 19 30.3–.08 42.564N–.00 13.256E–.01 11–0 2.5L
¶610099404
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC I 18 11 20 19.3–.99 42.51N–.03 13.24E–.03 14–9 24 0-4
ROM I 18 11 20 18.9–.16 42.524N–.01 13.268E–.01 7–1 2.7L **¶616063895**
ISC Event type se.
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 18 11 22 46.4–.07 42.511N–.01 13.322E–.01 12–0 2.9L
¶610099407
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 18 11 23 34.2–.07 42.539N–.00 13.269E–.01 12–0 2.3L
¶616063896
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 18 11 34 12.7–.09 42.575N–.00 13.260E–.01 13–0 2.8L
¶616044381
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC I 18 11 34 29.4–.77 42.48N–.02 13.28E–.02 14–4 106 0-7
ROM I 18 11 34 29.2–.10 42.510N–.01 13.300E–.01 11 3.3L **¶610099410**
PRU I 18 11 34 30.4–.00 42.48N 13.48E 10 3.3L
BEO I 18 11 34 32.1–.80 42.52N 13.46E 1–4 3.5L
ISC Event type ke.
ROM Event type se. Error ellipse: s-maj=0.6km s-min=0.5km az=338.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
BEO Event type ke.
ROM I 18 12 01 17.4–.06 42.536N–.00 13.272E–.01 14–0 3.4L
¶616044383
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC I 18 12 01 40.1–.62 42.54N–.01 13.26E–.02 13–3 4.0b 526 0-128
BGR I 18 12 01 36.1–.67 42.20N 13.64E 10 4.3L **¶610099413**
PRU I 18 12 01 38.9–.00 42.51N 13.25E 10 4.1
ROM I 18 12 01 39.1–.03 42.544N–.00 13.292E–.00 11 4.0L,3.9W
IDC I 18 12 01 39.1–.76 42.70N 13.11E 0 3.9,3.8b
PDG I 18 12 01 39.6–.50 42.55N 13.27E 15–0 4.1L,3.8b
LDG I 18 12 01 40.3–.16 42.50N 13.18E 11 3.3L,3.8b
BEO I 18 12 01 41.8–.60 42.59N 13.41E 4–9 4.1L,3.8b
NEIC I 18 12 01 41.0–2.0 42.66N–.06 13.21E–.07 10–1 4.1b,3.8b
STR I 18 12 01 42.6–2.4 43N–10 13E–21 10 4.0,3.8b
ISC Event type ke.
BGR Event type ke.
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1. Moment Tensor Solution.
Moment tensor: Scale 10^{14}Nm; M_{rr}-7.25 $M_{\theta\theta}$1.64 $M_{\phi\phi}$5.61 $M_{r\theta}$1.34 $M_{r\phi}$-4.57 $M_{\theta\phi}$-0.94 NP1:
ϕ_s153.00000°,δ40.00000°,λ-81.00000°. NP2:ϕ_s321.00000°,δ51.00000°,λ-97.00000°.
$M_0$8.10517×10^{14}
PDG Event type ke.
LDG Event type ke.
BEO Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
STR Event type se. manual. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. preliminary.
ROM I 18 12 07 34.4–.23 42.55N–.01 13.31E–.02 10–0 2.5L
¶610100824
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 18 12 08 26.5–.05 42.522N–.00 13.277E–.00 12–0 2.8L
¶616063897
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 18 12 13 52.8–.05 42.510N–.00 13.382E–.01 10–0 2.0L
¶616044384
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC I 18 12 14 50.1–.79 42.54N–.02 13.27E–.02 11–4 105 0-7
ROM I 18 12 14 49.3–.08 42.549N–.01 13.279E–.01 11–0 3.3L **¶610100826**
PRU I 18 12 14 50.1–.00 42.52N 13.75E 10 3.3L
BEO I 18 12 14 51.2–.70 42.53N 13.32E 0 3.6L
ISC Event type ke.
ROM Event type se. Error ellipse: s-maj=0.7km s-min=0.4km az=223.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
BEO Event type ke.
ROM I 18 12 26 38.8–.09 42.545N–.00 13.256E–.01 14–0 2.5L
¶610100829
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 18 12 27 34.5–.17 42.525N–.01 13.354E–.01 9–0 2.4L
¶616063898
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC I 18 12 30 49.7–.73 42.51N–.02 13.27E–.02 12–4 146 0-48
ROM I 18 12 30 49.2–.07 42.505N–.00 13.272E–.01 10–0 3.5L **¶610100830**
PRU I 18 12 30 49.0–.00 42.39N 13.85E 10 3.5L
IDC I 18 12 30 50.9–2.0 42.69N 13.52E 0 3.4,3.3L
BEO I 18 12 30 51.3–.70 42.52N 13.34E 3–2 3.6L,3.3L
ISC Event type ke.
ROM Event type se. Error ellipse: s-maj=0.5km s-min=0.2km az=62.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
IDC Error ellipse: s-maj=38.9km s-min=19.6km az=89.0.
BEO Event type ke.
ROM I 18 12 38 58.1–.08 42.503N–.01 13.277E–.01 14–0 2.8L
¶610100833
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 18 12 39 37.6–.10 42.566N–.01 13.342E–.01 9–0 2.4L
¶616063899
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC I 18 13 19 53.1–.62 42.48N–.01 13.24E–.02 16–3 3.7b 346 0-67
ROM I 18 13 19 52.7–.03 42.485N–.00 13.273E–.00 12–0 3.8L,3.7W **¶610100839**
IDC I 18 13 19 52.4–1.2 42.57N 13.39E 0 3.7,3.6b
LDG I 18 13 19 53.0–.14 42.42N 13.25E 12 3.2L,3.6b
PRU I 18 13 19 53.7–.00 42.54N 12.94E 10 3.2L,3.6b
STR I 18 13 19 54.1–2.9 42N–19 13E–20 10 3.8,3.6b
BEO I 18 13 19 55.3–.60 42.47N 13.33E 7–0 4.0L,3.6b
ISC Event type ke.
ROM Event type se. Error ellipse: s-maj=0.2km s-min=0.0km az=67.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1. Moment Tensor Solution.
Moment tensor: Scale 10^{14}Nm; M_{rr}-2.81 $M_{\theta\theta}$0.12 $M_{\phi\phi}$2.69 $M_{r\theta}$1.74 $M_{r\phi}$-1.81 $M_{\theta\phi}$-0.93 NP1:
ϕ_s175.00000°,δ36.00000°,λ-54.00000°. NP2:ϕ_s313.00000°,δ62.00000°,λ-113.00000°.
$M_0$3.82346×10^{14}
IDC Error ellipse: s-maj=18.9km s-min=12.6km az=74.0.
LDG Event type ke. Error ellipse: s-maj=5.4km s-min=3.1km az=36.0.
STR Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=134.7. manual.
smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. preliminary.
BEO Event type ke.
ISC I 18 13 33 38.2–.47 42.50N–.01 13.26E–.01 13–2 5.1b,4.8s 1662 0-156
BGR I 18 13 33 34.5–.55 42.13N 13.71E 10 5.7L,4.8s **¶610448609**
BJI I 18 13 33 35.8–.00 42.87N 13.07E 8 5.4b,5.4s
ROM I 18 13 33 36.7–.03 42.473N–.00 13.275E–.00 10–0 5.1L,5.0W
IDC I 18 13 33 36.6–.41 42.61N 13.17E 0 4.6s,4.6
MOS I 18 13 33 36.7–1.0 42.64N 13.30E 10 5.3b,4.7s
PDG I 18 13 33 37.0–.28 42.48N 13.27E 14–4 5.2,5.1L
BGS I 18 13 33 37.7–3.2 42.56N 13.25E 7 5.2W,5.1L
LDG I 18 13 33 37.3–.14 42.45N 13.20E 10 4.3L,5.1L
MED_R I 18 13 33 37.0–.20 42.47N 13.32E 15–0 5.2W,5.1L
NEIC I 18 13 33 38–1.2 42.56N–.05 13.25E–.06 7–3 5.2b,5.2
BEO I 18 13 33 38.9–.50 42.59N 13.31E 2 5.1L,5.2
PRU I 18 13 33 38.8–.00 42.64N 12.93E 10 5.2,5.2
GCMT I 18 13 33 39.0–.10 42.44N–.01 13.29E–.01 18–0 5.3W,5.2
STR I 18 13 33 40.2–1.3 43N–5.0 13E–11 10 5.2,5.2
NEIC I 18 13 33 40 42.47N 13.25E 12 5.2,5.2
BNS I 18 13 33 42.2–.34 42.73N 13.38E 10 5.2L,5.2
TIR I 18 13 33 43.1 42.35N 13.74E 0–4 5.3,5.3L
ISC Event type ke. Moment Tensor Solution. NP1:ϕ_s201.70531°,δ14.80355°,λ-14.57600°. NP2:
ϕ_s305.81714°,δ86.31325°,λ-104.34707°. Principal axes: T Plg39.6554°,Azm48.9721°
; N Plg14.3167°,Azm306.7594°; P Plg46.8114°,Azm200.9834°
BGR Event type ke. Error ellipse: s-maj=8.9km s-min=7.8km az=42.0.
ROM Event type se. Error ellipse: s-maj=0.2km s-min=0.1km az=66.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1. Moment Tensor Solution.
Moment tensor: Scale 10^{16}Nm; M_{rr}-2.18 $M_{\theta\theta}$-0.49 $M_{\phi\phi}$2.67 $M_{r\theta}$2.43 $M_{r\phi}$-1.50 $M_{\theta\phi}$-1.74 NP1:
ϕ_s188.00000°,δ30.00000°,λ-39.00000°. NP2:ϕ_s313.00000°,δ71.00000°,λ-115.00000°.
$M_0$4.14481×10^{16}
IDC Error ellipse: s-maj=8.6km s-min=8.2km az=98.0.
MOS Error ellipse: s-maj=4.4km s-min=2.7km az=72.2.
PDG Event type ke. Error ellipse: s-maj=2.5km s-min=6.4km az=0.0.
BGS Error ellipse: s-maj=224.5km s-min=193.7km az=-1.0.
LDG Event type ke. Error ellipse: s-maj=5.5km s-min=2.9km az=40.0.
MED_R Error ellipse: s-maj=1.1km s-min=2.2km az=-1.0. nsta1 refers to body waves, cutoff=40s.
nsta2 refers to surface waves, cutoff=35s. Moment Tensor Solution. Body waves: s4,c4;
Mantle waves: s31,c54;Duration: 1$\S$5 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.68±.04
$M_{\theta\theta}$-0.02±.02; $M_{\phi\phi}$0.71±.03; $M_{r\theta}$0.16±.06; $M_{r\phi}$-0.31±.02; $M_{\theta\phi}$-0.17±.03; Best double couple:
NP1:ϕ_s332.00000°,δ54.00000°,λ-100.00000°. NP2:ϕ_s169.00000°,δ38.00000°,λ-76.00000°.
Principal axes: T 0.8500,Plg8.0000°,Azm69.0000°; N -0.1200,Plg8.0000°,Azm338.0000°
; P -0.7300,Plg78.0000°,Azm202.0000° $M_0$0.79000×10^{17}
NEIC Event type se. Error ellipse: s-maj=8.0km s-min=5.7km az=224.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-5.03 $M_{\theta\theta}$-0.23 $M_{\phi\phi}$5.26 $M_{r\theta}$2.64
$M_{\theta\phi}$-2.40 $M_{r\phi}$-2.14 NP1:ϕ_s178.27000°,δ34.11000°,λ-59.15000°. NP2:ϕ_s322.47000°
,δ61.22000°,λ-109.15000°. Principal axes: T 6.9035,Plg14.0000°,Azm66.0000°
; N -0.6123,Plg17.0000°,Azm332.0000°; P -6.2912,Plg68.0000°,Azm195.0000°
$M_0$6.62000×10^{16}
BEO Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function. Moment Tensor Solution. s87,c135; s128,c234;Duration: 1$\S$1
Moment tensor: Scale 10^{17}Nm; M_{rr}-0.79±.02 $M_{\theta\theta}$-0.01±.02; $M_{\phi\phi}$0.80±.01; $M_{r\theta}$0.42±.04;
$M_{\theta\phi}$-0.37±.01; $M_{r\phi}$-0.43±.03; Best double couple: NP1:ϕ_s324.00000°,δ63.00000°
,λ-105.00000°. NP2:ϕ_s175.00000°,δ31.00000°,λ-63.00000°. Principal axes:
T 1.1080,Plg16.0000°,Azm66.0000°; N -0.0920,Plg14.0000°,Azm331.0000°
; P -1.0160,Plg68.0000°,Azm204.0000° $M_0$1.06200×10^{17}
STR Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=105.4. manual.
smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. preliminary.
NEIC Event type se. Moment Tensor Solution.Duration: 6$\S$0 Moment tensor: Scale 10^{16}Nm;
M_{rr}-5.60 $M_{\theta\theta}$0.00 $M_{\phi\phi}$5.59 $M_{r\theta}$5.03 $M_{\theta\phi}$-2.85 $M_{r\phi}$-2.16 NP1:ϕ_s181.00000°,δ34.00000°
,λ-45.00000°. NP2:ϕ_s311.00000°,δ67.00000°,λ-115.00000°. Principal axes:
T 8.0698,Plg18.0000°,Azm60.0000°; N 0.4937,Plg23.0000°,Azm322.0000°
; P -8.5635,Plg60.0000°,Azm184.0000° $M_0$8.33000×10^{16}
BNS Event type ke.
ROM I 18 13 35 21.7–.07 42.526N–.00 13.279E–.01 9–0 3.6L
¶610100845
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 18 13 41 09.7–.07 42.560N–.00 13.280E–.00 13–0 2.2L
¶610100848
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 18 13 41 23.8–.06 42.465N–.00 13.265E–.01 12–0 2.5L
¶616063900
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC I 18 13 43 39.0–.82 42.49N–.02 13.27E–.02 13–4 81 0-7
ROM I 18 13 43 38.4–.08 42.484N–.00 13.259E–.01 13–0 3.0L **¶610100849**
BEO I 18 13 43 40.9–.80 42.60N 13.39E 0 3.5L
ISC Event type ke.
ROM Event type se. Error ellipse: s-maj=0.5km s-min=0.3km az=236.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
BEO Event type ke.
ROM I 18 13 56 16.4–.06 42.474N–.00 13.261E–.01 13–0 2.9L
¶616044474
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC I 18 13 56 32.1–.77 42.52N–.02 13.26E–.02 15–4 108 0-9
ROM I 18 13 56 32.3–.07 42.531N–.00 13.277E–.01 9–0 3.5L **¶610100854**
PRU I 18 13 56 40.3–.00 42.85N 12.81E 10 3.5L
ISC Event type se.
ROM Event type se. Error ellipse: s-maj=0.6km s-min=0.4km az=67.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC I 18 14 00 11.3–.79 42.50N–.02 13.29E–.02 15–4 62 0-4
ROM I 18 14 00 11.2–.07 42.497N–.00 13.289E–.01 13–0 3.2L **¶616044478**

ISC Event type se.
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC I 18 14 01 09.6–.66 42.59N–.01 13.29E–.02 11–4 4.0b 367 0-75
BGR I 18 14 01 06.3–.68 42.12N 13.61E 10 4.2L **¶610100855**
LDG I 18 14 01 08.9–.14 42.58N 13.38E 8 3.2L
IDC I 18 14 01 09.1–1.1 42.70N 13.36E 0 3.8,3.8b
ROM I 18 14 01 09.1–.05 42.610N–.00 13.310E–.01 8–0 3.8L,3.8b
PRU I 18 14 01 09.6–.00 42.61N 12.71E 10 3.8L,3.8b
BEO I 18 14 01 10.9–.60 42.57N 13.28E 4–9 4.0L,3.8b
STR I 18 14 01 12.6–2.2 42N–18 13E–17 10 3.8,3.8b
ISC Event type ke.
BGR Event type ke.
LDG Event type ke.
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
BEO Event type ke.
STR Event type se. manual. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. preliminary.
ROM I 18 14 05 01.1–.06 42.557N–.00 13.311E–.01 9–0 2.5L
¶610100857
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 18 14 05 30.3–.08 42.492N–.00 13.267E–.01 12–1 2.6L
¶616063901
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 18 14 33 23.1–.05 42.521N–.00 13.270E–.00 13–0 3.0L
¶610100865
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC I 18 14 37 49.7–.70 42.49N–.02 13.34E–.02 15–4 264 0-48
LDG I 18 14 37 49.4–.15 42.45N 13.39E 9 3.2L **¶610100867**
ROM I 18 14 37 49.7–.03 42.497N–.00 13.369E–.00 10–0 3.6L
IDC I 18 14 37 51.1–1.9 42.70N 13.59E 0 3.6,3.5L
BEO I 18 14 37 53.1–.60 42.59N 13.48E 0 3.7L,3.5L
PRU I 18 14 37 53.4–.00 42.60N 13.48E 10 3.7L,3.5L
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=4.7km s-min=2.9km az=47.0.
ROM Event type se. Error ellipse: s-maj=0.3km s-min=0.1km az=66.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
IDC Error ellipse: s-maj=38.3km s-min=19.5km az=88.0.
BEO Event type ke.
ROM I 18 14 40 36.1–.06 42.489N–.00 13.298E–.01 13–0 2.6L
¶616063902
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 18 14 40 54.1–.07 42.505N–.00 13.292E–.01 14–0 2.5L
¶610100868
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 18 14 44 29.0–.07 42.495N–.00 13.297E–.01 14–0 2.3L
¶614377329
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC I 18 14 48 12.8–.81 42.61N–.02 13.28E–.02 9–5 105 0-7
ROM I 18 14 48 11.8–.06 42.601N–.00 13.314E–.01 11–0 3.3L **¶610100869**
BEO I 18 14 48 13.0–.80 42.57N 13.25E 0 3.6L
PRU I 18 14 48 15.8–.00 42.68N 13.32E 10 3.6L
ISC Event type ke.
ROM Event type se. Error ellipse: s-maj=0.5km s-min=0.4km az=218.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
BEO Event type ke.
ISC I 18 14 52 28.1–.81 42.55N–.02 13.29E–.02 10–5 107 0-48
ROM I 18 14 52 26.7–.05 42.527N–.00 13.268E–.00 13–0 3.4L **¶610100870**
IDC I 18 14 52 28.1–2.0 42.75N 13.42E 0 3.4,3.4L
BEO I 18 14 52 29.3–.60 42.57N 13.32E 7–0 3.7L,3.4L
PRU I 18 14 52 31.6–.00 42.70N 13.39E 10 3.7L,3.4L
ISC Event type ke.
ROM Event type se. Error ellipse: s-maj=0.4km s-min=0.0km az=223.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
IDC Error ellipse: s-maj=51.1km s-min=19.6km az=92.0.
BEO Event type ke.
ISC I 18 15 11 38.9–.74 42.49N–.01 13.28E–.02 18–3 242 0-67
LDG I 18 15 11 38.5–.14 42.49N 13.30E 9 3.1L **¶610100875**
ROM I 18 15 11 38.9–.03 42.489N–.00 13.301E–.00 13–0 3.6L
IDC I 18 15 11 39.3–1.7 42.71N 13.28E 0 3.5,3.4L
PRU I 18 15 11 40.6–.00 42.52N 13.59E 10 3.5,3.4L
BEO I 18 15 11 41.6–.60 42.59N 13.45E 0 3.7L,3.4L
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=4.2km s-min=3.0km az=43.0.
ROM Event type se. Error ellipse: s-maj=0.2km s-min=0.0km az=73.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
IDC Error ellipse: s-maj=36.8km s-min=19.5km az=92.0.
BEO Event type ke.
ROM I 18 15 15 56.1–.10 42.551N–.01 13.264E–.01 11–0 2.6L
¶616044485
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 18 15 43 03.2–.07 42.493N–.00 13.313E–.01 14–0 2.9L
¶610100882
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 18 15 43 56.3–.09 42.588N–.01 13.328E–.01 11–0 2.2L
¶616063903
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 18 15 44 34.1–.09 42.484N–.01 13.288E–.01 11–0 2.4L
¶616063904
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 18 15 46 29.6–.06 42.539N–.00 13.342E–.01 10–0 2.0L
¶610100883
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 18 15 46 54.2–.08 42.527N–.00 13.279E–.01 13–0 2.6L
¶616063905
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 18 16 11 40.0–.10 42.474N–.01 13.286E–.01 13–0 2.1L
¶610100888
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC I 18 16 12 02.3–.80 42.51N–.02 13.29E–.02 15–5 50 0-5
ROM I 18 16 12 02.7–.05 42.497N–.00 13.312E–.00 14–0 2.8L **¶616063906**
ISC Event type se.
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 18 16 14 59.6–.06 42.520N–.00 13.280E–.01 12–0 2.5L
¶610100890
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 18 16 15 37.7–.09 42.495N–.00 13.314E–.01 14–0 2.3L
¶616063907
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 18 16 16 14.4–.07 42.589N–.00 13.318E–.01 9–0 2.1L
¶616063908
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 18 16 24 32.3–.06 42.721N–.00 13.200E–.01 11–0 2.3L
¶610100891
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC I 18 16 25 27.2–.82 42.52N–.02 13.35E–.02 11–5 55 0-5
ROM I 18 16 25 27.1–.05 42.518N–.00 13.346E–.01 10–0 2.7L **¶616063909**
ISC Event type se.
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC I 18 16 45 17.9–.70 42.48N–.02 13.29E–.02 13–4 3.7b 286 0-62
LDG I 18 16 45 16.5–.12 42.47N 13.33E 12 3.2L **¶610100893**
ROM I 18 16 45 17.2–.03 42.469N–.00 13.310E–.00 12–0 3.7L,3.6W
PRU I 18 16 45 17.9–.00 42.45N 13.68E 10 3.7L,3.6W
BEO I 18 16 45 18.6–.60 42.57N 13.29E 0 3.7L,3.6W
IDC I 18 16 45 18.2–1.7 42.71N 13.44E 0 3.7,3.6b
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=3.6km s-min=2.4km az=42.0.
ROM Event type se. Error ellipse: s-maj=0.2km s-min=0.0km az=75.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1. Moment Tensor Solution.
Moment tensor: Scale 10^{14}Nm; M_{rr}-0.28 $M_{\theta\theta}$0.41 $M_{\phi\phi}$-0.13 $M_{r\theta}$1.95 $M_{\theta\phi}$-0.38 $M_{\phi r}$-1.87 NP1: ϕ_s82.00000°,δ7.00000°,λ-142.00000°. NP2:ϕ_s314.00000°,δ86.00000°,λ-85.00000°.
$M_0$2.74601$\times 10^{14}$
BEO Event type ke.
IDC Error ellipse: s-maj=26.0km s-min=16.0km az=66.0.
ROM I 18 16 53 10.9–.06 42.487N–.00 13.260E–.00 13–0 2.3L
¶616063589
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC I 18 16 53 26.4–.77 42.49N–.02 13.34E–.02 17–4 76 0-7
ROM I 18 16 53 26.6–.05 42.514N–.00 13.296E–.01 14–0 2.7L **¶610100895**
PRU I 18 16 53 26.2–.00 42.47N 13.96E 10 2.7L
ISC Event type se.
ROM Event type se. Error ellipse: s-maj=0.4km s-min=0.0km az=237.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 18 17 08 06.3–.07 42.520N–.00 13.261E–.01 11–0 2.5L
¶616046691
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC I 18 17 09 03.3–.66 42.61N–.02 13.22E–.02 14–4 3.8b 431 0-67
BGR I 18 17 09 00.6–.63 42.22N 13.62E 10 4.1L **¶610100898**
IDC I 18 17 09 02.5–1.1 42.73N 13.17E 0 3.7,3.7b
ROM I 18 17 09 02.9–.03 42.596N–.00 13.251E–.00 11 3.7L,3.7b
PDG I 18 17 09 03.3–.52 42.61N 13.25E 14–0 4.0L,3.7b
PRU I 18 17 09 04.5–.00 42.64N 13.38E 10 4.0L,3.7b
LDG I 18 17 09 04.4–.13 42.50N 13.19E 11 3.3L,3.7b
BEO I 18 17 09 05.0–.50 42.61N 13.25E 9–9 3.7L,3.7b
ISC Event type ke.
BGR Event type ke. Error ellipse: s-maj=8.9km s-min=8.9km az=145.0.
IDC Error ellipse: s-maj=18.6km s-min=13.3km az=83.0.
ROM Event type se. Error ellipse: s-maj=0.4km s-min=0.1km az=328.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
PDG Event type ke. Error ellipse: s-maj=0.4km s-min=0.5km az=0.0.
LDG Event type ke. Error ellipse: s-maj=4.2km s-min=2.8km az=50.0.
BEO Event type ke.
ISC I 18 17 27 45.0–.74 42.57N–.02 13.27E–.02 13–4 157 0-9
ROM I 18 17 27 45.0–.08 42.574N–.00 13.339E–.01 8–0 3.3L **¶610100904**
LDG I 18 17 27 44.0–.12 42.59N 13.36E 8 2.9L
PRU I 18 17 27 47.6–.00 42.55N 13.44E 10 2.9L
BEO I 18 17 27 49.0–.70 42.61N 13.49E 0 3.5L
ISC Event type ke.
ROM Event type se. Error ellipse: s-maj=0.6km s-min=0.3km az=69.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
LDG Event type ke. Error ellipse: s-maj=4.0km s-min=1.9km az=53.0.
BEO Event type ke.
ISC I 18 17 45 49.8–.83 42.59N–.02 13.30E–.02 10–4 105 0-9
ROM I 18 17 45 49.3–.05 42.587N–.00 13.312E–.01 10–0 3.1L **¶610100906**
BEO I 18 17 45 53.0–.80 42.63N 13.41E 4–3 3.4L
PRU I 18 17 45 53.4–.00 42.68N 13.32E 10 3.4L
ISC Event type ke.
ROM Event type se. Error ellipse: s-maj=0.4km s-min=0.2km az=256.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
BEO Event type ke.
ISC I 18 18 03 48.1–.75 42.60N–.02 13.29E–.02 9–4 150 0-67
ROM I 18 18 03 47.4–.07 42.594N–.00 13.317E–.01 9–0 3.3L **¶610100907**
BEO I 18 18 03 48.2–.70 42.54N 13.22E 0–1 3.6L
IDC I 18 18 03 49.0–2.3 42.76N 13.50E 0 3.5,3.4L
PRU I 18 18 03 51.0–.00 42.68N 13.68E 10 3.5,3.4L
ISC Event type ke.
ROM Event type se. Error ellipse: s-maj=0.5km s-min=0.4km az=215.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
BEO Event type ke.
IDC Error ellipse: s-maj=49.0km s-min=20.8km az=101.0.
ROM I 18 18 16 08.5–.07 42.494N–.00 13.320E–.01 12–0 2.7L
¶610100908
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 18 18 16 47.5–.10 42.494N–.00 13.316E–.01 12–1 2.4L
¶616063910
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 18 18 41 56.2–.04 42.528N–.00 13.211E–.00 15–0 2.4L
¶616046717
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC I 18 18 42 35.1–.85 42.61N–.02 13.31E–.02 4–6 112 0-9
ROM I 18 18 42 34.0–.07 42.615N–.00 13.345E–.01 10–0 3.2L **¶610100911**
BEO I 18 18 42 35.2–.70 42.43N 13.25E 0 3.7L

PRU I 18 18 42 38.3–.00 42.66N 13.39E 10 3.7L
ISC Event type ke.
ROM Event type se. Error ellipse: s-maj=0.5km s-min=0.3km az=223.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
BEO Event type ke.
ROM I 18 18 53 53.1–.05 42.610N–.00 13.297E–.01 10–0 2.6L
¶616063911
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 18 18 54 33.1–.05 42.588N–.00 13.241E–.00 11–0 2.7L
¶610100912
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC I 18 21 31 58.1–.81 42.51N–.02 13.29E–.02 11–4 108 0-7
ROM I 18 21 31 57.4–.06 42.493N–.00 13.323E–.01 11 3.3L **¶610101657**
PRU I 18 21 31 58.7–.00 42.49N 13.54E 10 3.3L
BEO I 18 21 32 00.4–.60 42.56N 13.44E 0 3.5L
ISC Event type ke.
ROM Event type se. Error ellipse: s-maj=0.6km s-min=0.5km az=360.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
BEO Event type ke.
ROM I 18 21 57 13.5–.08 42.622N–.01 13.288E–.01 8–0 2.8L
¶610101659
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 18 21 57 50.5–.06 42.603N–.00 13.263E–.00 11 2.1L
¶616063912
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC I 18 22 44 36.6–.79 42.62N–.02 13.22E–.03 15–5 96 0-48
ROM I 18 22 44 36.0–.10 42.636N–.00 13.280E–.01 11–0 3.1L **¶610101663**
BEO I 18 22 44 39.1–.60 42.72N 13.39E 0 3.7L
PRU I 18 22 44 39.9–.00 42.74N 13.70E 10 3.7L
IDC I 18 22 44 39.2–2.2 42.85N 12.79E 0 3.2,3.0b
ISC Event type ke.
ROM Event type se. Error ellipse: s-maj=0.7km s-min=0.4km az=244.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
BEO Event type ke.
IDC Error ellipse: s-maj=58.1km s-min=20.8km az=94.0.
ROM I 19 00 13 39.1–.06 42.605N–.00 13.309E–.01 9–0 2.2L
¶614377545
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 19 00 16 22.4–.06 42.563N–.00 13.239E–.01 12–0 2.5L
¶616063587
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC I 19 00 17 16.7–.87 42.57N–.02 13.34E–.03 12–5 53 0-7
PRU I 19 00 17 11.2–.00 42.32N 14.24E 0 **¶610101669**
ROM I 19 00 17 16.4–.07 42.586N–.00 13.326E–.01 9–0 2.7L
ISC Event type se.
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 19 00 54 07.7–.10 42.594N–.01 13.321E–.01 10–0 2.4L
¶610101673
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 19 00 55 06.3–.06 42.585N–.00 13.241E–.00 13–0 2.5L
¶616063913
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC I 19 01 28 43.6–.41 42.57N–.01 13.20E–.02 17–2 220 0-10
LDG I 19 01 28 43.9–.17 42.46N 13.24E 10 2.9L **¶610101676**
ROM I 19 01 28 43.3–.09 42.554N–.00 13.256E–.01 10–0 3.5L,3.4W
PRU I 19 01 28 44.3–.00 42.71N 13.31E 0 3.5L,3.4W
BEO I 19 01 28 45.0–.60 42.54N 13.22E 9–0 3.8L,3.4W
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=5.7km s-min=3.3km az=51.0.
ROM Event type se. Error ellipse: s-maj=0.7km s-min=0.3km az=79.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1. Moment Tensor Solution.
Moment tensor: Scale 10^{14}Nm; M_{rr}-0.97 $M_{\theta\theta}$0.19 $M_{\phi\phi}$0.79 $M_{r\theta}$0.58 $M_{\theta\phi}$-1.13 $M_{\phi r}$0.27 NP1:
ϕ_s174.00000°,δ53.00000°,λ-40.00000°. NP2:ϕ_s291.00000°,δ59.00000°,λ-136.00000°.
$M_0$1.56729×10^{14}
BEO Event type ke.
ROM I 19 01 36 12.6–.05 42.613N–.00 13.301E–.01 10–0 2.6L
¶610101677
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 19 01 36 55.9–.05 42.602N–.00 13.306E–.01 10–0 2.0L
¶616063914
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC I 19 01 53 08.4–.69 42.61N–.02 13.27E–.02 9–4 3.7b 301 0-62
ROM I 19 01 53 07.4–.04 42.597N–.00 13.305E–.00 8–0 3.5L **¶610101682**
IDC I 19 01 53 08.8–1.3 42.77N 13.16E 0 3.6b,3.5
BEO I 19 01 53 09.1–.60 42.61N 13.28E 0 3.7L,3.5
LDG I 19 01 53 09.1–.16 42.50N 13.32E 8 3.2L,3.5
PRU I 19 01 53 10.9–.00 42.75N 13.54E 0 3.2L,3.5
ISC Event type ke.
ROM Event type se. Error ellipse: s-maj=0.4km s-min=0.2km az=242.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
IDC Error ellipse: s-maj=25.5km s-min=14.0km az=89.0.
BEO Event type ke.
LDG Event type ke. Error ellipse: s-maj=4.5km s-min=3.4km az=52.0.
ISC I 19 02 32 45.9–.80 43.12N–.02 10.99E–.02 16–5 168 0-8
LDG I 19 02 32 45.6–.16 43.11N 11.03E 8 2.9L **¶610101685**
ROM I 19 02 32 46.1–.10 43.117N–.00 10.996E–.01 11–0 2.7L
PRU I 19 02 32 46.0–.00 43.09N 11.38E 0 2.7L
STR I 19 02 32 48.4–1.1 43N–6.0 11E–8.0 10 3.1
ISC Event type ke.
LDG Event type ke.
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
STR Event type se. manual. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. preliminary.
ROM I 19 02 32 54.0–.08 42.526N–.00 13.228E–.01 10–0 2.4L
¶616063915
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 19 03 46 27.8–.05 43.623N–.00 12.075E–.00 10–0 1.8L
¶610101689
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.

ISC I 19 03 47 24.7–.85 42.52N–.02 13.34E–.03 10–6 51 0-5
ROM I 19 03 47 24.1–.10 42.515N–.01 13.333E–.01 9–0 2.7L **¶616063916**
ISC Event type se.
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC I 19 04 46 28.9–.83 42.59N–.02 13.29E–.02 8–5 111 0-7
ROM I 19 04 46 27.9–.09 42.583N–.01 13.284E–.01 10–0 3.1L **¶610101693**
BEO I 19 04 46 28.4–.90 42.54N 13.24E 0–5 3.5L
PRU I 19 04 46 31.9–.00 42.76N 13.34E 0 3.5L
ISC Event type ke.
ROM Event type se. Error ellipse: s-maj=0.6km s-min=0.5km az=237.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
BEO Event type ke.
ISC I 19 05 12 15.5–.80 42.50N–.02 13.25E–.02 12–5 83 0-6
ROM I 19 05 12 14.9–.07 42.508N–.00 13.265E–.01 15–1 2.9L **¶610101695**
BEO I 19 05 12 15.6–.90 42.43N 13.20E 9–0 3.5L
ISC Event type ke.
ROM Event type se. Error ellipse: s-maj=0.4km s-min=0.2km az=257.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
BEO Event type ke.
ROM I 19 06 41 52.1–.05 42.477N–.00 13.281E–.00 15–0 1.6L
¶610101702
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 19 06 42 37.9–.07 42.484N–.00 13.270E–.01 13–1 2.6L
¶616063917
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC I 19 10 25 52.0–.82 42.60N–.02 13.29E–.02 5–5 3.6b 165 0-84
ROM I 19 10 25 50.5–.06 42.593N–.00 13.296E–.01 10–0 3.4L,3.3W **¶610101728**
IDC I 19 10 25 51.8–1.3 42.75N 13.21E 0 4.3s,3.6
BEO I 19 10 25 52.8–.60 42.64N 13.32E 0 3.6L,3.6
PRU I 19 10 25 54.6–.00 42.76N 13.52E 0 3.6L,3.6
ISC Event type ke.
ROM Event type se. Error ellipse: s-maj=0.5km s-min=0.3km az=232.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1. Moment Tensor Solution.
Moment tensor: Scale 10^{14}Nm; M_{rr}-1.12 $M_{\theta\theta}$0.53 $M_{\phi\phi}$0.60 $M_{r\theta}$0.01 $M_{\theta\phi}$-0.65 $M_{\phi r}$-0.05 NP1:
ϕ_s135.00000°,δ44.00000°,λ-93.00000°. NP2:ϕ_s318.00000°,δ46.00000°,λ-88.00000°.
$M_0$1.16874×10^{14}
IDC Error ellipse: s-maj=28.9km s-min=15.0km az=91.0.
BEO Event type ke.
ROM I 19 10 26 44.9–.08 42.588N–.01 13.329E–.01 10–0 2.9L
¶615985824
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC I 19 10 46 20.6–.83 42.58N–.02 13.30E–.02 9–6 97 0-7
ROM I 19 10 46 19.9–.08 42.576N–.01 13.305E–.01 10–0 3.1L **¶610101729**
BEO I 19 10 46 21.8–.90 42.57N 13.28E 9–5 3.5L
PRU I 19 10 46 22.0–.00 42.64N 13.45E 0 3.5L
ISC Event type ke.
ROM Event type se. Error ellipse: s-maj=0.5km s-min=0.5km az=193.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
BEO Event type ke.
ROM I 19 12 49 09.9–.05 42.598N–.00 13.252E–.01 11–0 2.5L
¶610101965
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 19 12 50 00.2–.18 42.805N–.00 13.084E–.01 7–2 1.5L
¶616063918
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC I 19 14 42 01.2–.79 42.61N–.02 13.29E–.02 10–5 275 0-48
ROM I 19 14 42 00.4–.07 42.593N–.00 13.304E–.01 10–0 3.4L **¶610101970**
LDG I 19 14 42 01.0–.19 42.54N 13.23E 10 3.1L
BEO I 19 14 42 02.6–.60 42.61N 13.35E 0 3.5L
PRU I 19 14 42 02.7–.00 42.67N 13.44E 0 3.5L
IDC I 19 14 42 03.6–3.4 42.93N 13.66E 0 3.4,3.2b
STR I 19 14 42 05.1–2.2 43N–10 13E–18 10 3.6,3.2b
ISC Event type ke.
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
LDG Event type ke.
BEO Event type ke.
STR Event type se. manual. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. preliminary.
ISC I 19 18 03 58.7–.81 43.01N–.02 13.05E–.02 10–4 65 0-5
ROM I 19 18 03 58.3–.04 43.025N–.00 13.036E–.00 8–0 2.8L **¶610101977**
ISC Event type se.
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 19 18 04 37.4–.08 43.029N–.00 13.039E–.01 7–0 2.3L
¶616063919
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 19 19 20 57.5–.08 42.585N–.01 13.308E–.01 9–0 2.6L
¶610102160
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 19 19 21 10.4–.10 43.608N–.01 11.012E–.01 11–0 1.1L
¶616063920
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 19 19 57 28.0–.69 42.63N–.03 13.30E–.03 4 1.6L
¶610102161
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 19 19 58 04.5–.14 42.568N–.01 13.32E–.02 15–1 1.6L
¶616063922
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC I 19 19 58 21.5–.80 42.54N–.02 13.32E–.03 14–5 55 0-5
ROM I 19 19 58 21.5–.05 42.547N–.00 13.324E–.01 10–0 2.5L **¶616063921**
ISC Event type se.
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 19 20 45 00.7–.08 42.525N–.01 13.269E–.01 12–0 1.7L
¶614378052
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 19 23 07 18.2–.06 42.509N–.00 13.296E–.01 10–0 2.1L
¶610102436

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 19 23 08 11.5–.07 42.592N–.00 13.312E–.01 8–0 2.6L
¶616063923
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 19 23 11 20.2–.08 42.612N–.00 13.329E–.01 8–0 2.0L
¶610102437
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC I 19 23 12 02.1–.87 42.58N–.02 13.30E–.02 9–6 58 0-6
ROM I 19 23 12 01.3–.08 42.581N–.01 13.306E–.01 9–0 2.6L ¶616063924
ISC Event type se.
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC I 20 00 09 17.6–.82 42.54N–.02 13.28E–.02 9–5 171 0-7
ROM I 20 00 09 16.4–.05 42.540N–.00 13.292E–.01 11–0 3.1L ¶610102439
BEO I 20 00 09 18.5–.60 42.56N 13.29E 0 3.5L
ISC Event type ke.
ROM Event type se. Error ellipse: s-maj=0.5km s-min=0.3km az=72.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
BEO Event type ke.
ROM I 20 08 46 22.7–.06 42.592N–.00 13.317E–.01 11–0 1.7L
¶610102458
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC I 20 08 46 59.7–.82 42.59N–.02 13.29E–.02 7–5 101 0-7
ROM I 20 08 46 58.8–.06 42.594N–.00 13.307E–.01 9–0 3.1L ¶616063574
BEO I 20 08 46 58.9–.90 42.52N 13.21E 0 3.3L
ISC Event type ke.
ROM Event type se. Error ellipse: s-maj=0.5km s-min=0.3km az=234.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
BEO Event type ke.
ROM I 20 08 53 36.8–.11 42.619N–.00 13.260E–.01 13–0 1.9L
¶610103750
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 20 09 47 50.5–.12 43.022N–.00 13.101E–.01 9–0 1.0L
¶610102498
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC I 20 09 48 17.1–.82 42.49N–.02 13.29E–.02 16–4 54 0-2
ROM I 20 09 48 17.2–.06 42.492N–.00 13.285E–.00 13–0 2.5L ¶616063925
ISC Event type se.
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 20 09 49 06.5–.09 42.596N–.01 13.313E–.01 9–0 2.1L
¶616063926
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 20 09 49 48.9–.07 42.499N–.00 13.301E–.00 13–0 1.0L
¶616063927
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 20 11 20 59.9–.06 42.594N–.00 13.320E–.00 8–0 1.2L
¶616063929
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 20 11 21 21.7–.08 42.704N–.00 13.163E–.01 12–0 2.5L
¶616063928
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 20 11 21 25.0–.12 42.491N–.01 13.278E–.01 10–0 2.5L
¶610102503
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 20 23 01 18.2–.07 42.546N–.00 13.348E–.01 10–0 1.7L
¶614378830
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 20 23 01 43.1–.11 42.582N–.00 13.328E–.01 10–0 0.7
¶614378833
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 20 23 02 08.8–.03 43.038N–.00 13.108E–.00 10–0 1.8L
¶614378836
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 20 23 05 05.0–.12 42.593N–.00 13.311E–.00 8–0 1.8L
¶614378837
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 21 06 16 41.9–.25 42.59N–.02 13.40E–.02 8–1 1.7L
¶616063590
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC I 21 06 17 35.7–.80 42.85N–.01 13.17E–.02 9–5 182 0-8
ROM I 21 06 17 34.4–.06 42.866N–.00 13.204E–.01 10–0 3.1L ¶610104709
LDG I 21 06 17 34.1–.14 42.85N 13.22E 10 2.7L
PRU I 21 06 17 36.7–.00 42.86N 13.76E 10 2.7L
BEO I 21 06 17 37.6–.70 42.89N 13.27E 0 3.3L
ISC Event type ke.
ROM Event type se. Error ellipse: s-maj=0.4km s-min=0.2km az=268.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
LDG Event type ke. Error ellipse: s-maj=4.1km s-min=3.0km az=48.0.
BEO Event type ke.
ISC I 21 09 35 57.0–.61 42.70N–.01 13.18E–.02 12–3 4.2b 509 0-81
PDG I 21 09 35 56.7–.58 42.74N 13.22E 8–1 4.1L ¶610104779
ROM I 21 09 35 56.1–.03 42.713N–.00 13.208E–.00 10–0 3.8L,3.7W
PRU I 21 09 35 56.1–.00 42.57N 13.18E 10 4.1,3.7W
IDC I 21 09 35 57.0–.91 42.85N 13.25E 0 4.0b,3.9
LDG I 21 09 35 57.3–.15 42.63N 13.07E 10 3.4L,3.9
NEIC I 21 09 35 57.2–1.1 42.71N–.03 13.13E–.06 10–1 4.1b,3.9
BEO I 21 09 35 58.8–.50 42.73N 13.32E 0 4.0L,3.9
ISC Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.8km s-min=0.8km az=90.0.
ROM Event type se. Error ellipse: s-maj=0.2km s-min=0.1km az=239.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1. Moment Tensor Solution.
Moment tensor: Scale 10^{14}Nm; M_{rr}-3.53 $M_{\theta\theta}$0.95 $M_{\phi\phi}$2.58 $M_{r\theta}$0.18 $M_{\theta\phi}$-2.06 $M_{\phi r}$2.13 NP1: ϕ_s307.00000°,δ36.00000°,λ-121.00000°. NP2:ϕ_s164.00000°,δ60.00000°,λ-69.00000°.
$M_0$4.34035×10^{14}
IDC Error ellipse: s-maj=15.4km s-min=11.7km az=77.0.
LDG Event type ke. Error ellipse: s-maj=6.2km s-min=3.3km az=39.0.
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=3.3km az=125.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BEO Event type ke.
ISC I 21 10 59 28.3–.77 42.46N–.02 13.25E–.02 18–4 300 0-9
ROM I 21 10 59 28.2–.03 42.458N–.00 13.286E–.00 16–0 3.5L ¶610104783
LDG I 21 10 59 29.1–.15 42.43N 13.18E 16 3.0L
BEO I 21 10 59 30.5–.50 42.50N 13.41E 0 3.5L
PRU I 21 10 59 31.4–.00 42.58N 13.27E 10 3.5L
ISC Event type ke.
ROM Event type se. Error ellipse: s-maj=0.2km s-min=0.0km az=258.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
LDG Event type ke. Error ellipse: s-maj=5.0km s-min=3.2km az=46.0.
BEO Event type ke.
ROM I 21 12 04 15.2–.09 42.534N–.00 13.310E–.01 12–0 1.3L
¶614379111
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 21 12 04 34.1–.09 42.919N–.00 13.065E–.01 9–0 1.4L
¶614379114
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 21 12 30 01.8–.13 42.531N–.00 13.285E–.01 12–0 0.9L
¶614379122
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 21 16 47 23.4–.08 42.613N–.00 13.221E–.01 11–0 1.5L
¶610104794
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC I 21 16 48 20.4–.79 42.54N–.02 13.28E–.02 14–4 73 0-4
ROM I 21 16 48 20.3–.06 42.518N–.00 13.264E–.01 12–0 2.8L ¶616063930
ISC Event type se.
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 21 19 02 44.0–.52 42.599N–.01 13.35E–.05 10–1 1.5L
¶610105037
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 21 19 03 01.9–.07 42.535N–.00 13.275E–.01 14–0 2.7L
¶616063931
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 21 19 26 35.0–.08 42.802N–.00 13.103E–.00 11–0 0.8L
¶616063583
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 21 19 27 15.0–.07 42.596N–.00 13.313E–.01 9–0 2.6L
PRU I 21 19 27 21.2–.00 42.82N 13.31E 0 2.6L ¶610105039
ROM Event type se. Error ellipse: s-maj=0.5km s-min=0.3km az=231.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 21 21 57 17.1–.18 42.586N–.01 13.27E–.01 12–1 1.6L
¶614379388
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 21 22 56 39.0–.07 42.766N–.00 13.090E–.01 10–0 1.2L
¶614379404
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC I 22 00 39 43.8–.76 42.50N–.02 13.24E–.02 13–5 3.5b 246 0-67
IDC I 22 00 39 42.8–1.2 42.53N 13.14E 0 3.5L,3.4 ¶610105055
ROM I 22 00 39 43.1–.06 42.471N–.00 13.254E–.01 16–0 3.4L,3.4
PRU I 22 00 39 43.0–.00 42.45N 13.10E 10 3.4L,3.4
BEO I 22 00 39 46.6–.60 42.57N 13.48E 0 3.4L,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=23.5km s-min=17.5km az=100.0.
ROM Event type se. Error ellipse: s-maj=0.4km s-min=0.2km az=68.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
BEO Event type ke.
ROM I 22 07 34 51.1–.04 42.843N–.00 13.078E–.00 10–0 1.7L
¶610105245
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 22 09 47 50.0–.06 42.606N–.00 13.311E–.01 10–0 2.3L
¶610130022
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 22 09 48 01.2–.07 42.545N–.01 13.344E–.01 12–0 2.5L
¶616063932
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 23 01 45 55.1–.04 42.526N–.00 13.280E–.00 13–0 1.9L
¶614380035
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 23 07 24 52.0–.05 42.939N–.00 13.135E–.01 10–0 2.1L
¶614380211
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 23 10 24 01.4–.18 42.811N–.01 13.03E–.01 9–1 1.0L
¶614380288
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 23 13 56 00.6–.05 42.702N–.00 13.178E–.00 13–0 1.9L
¶614380378
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 23 20 47 04.1–.10 42.612N–.00 13.247E–.01 10–0 0.7L
¶615527871
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 24 10 00 28.3–.11 42.618N–.01 13.255E–.01 11–0 1.5L
¶614380734
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 24 16 34 41.4–.08 42.545N–.00 13.257E–.00 12–1 1.4L

¶614380843
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 25 00 20 33.3–.05 42.495N–.00 13.392E–.01 10–0 2.8L
PRU I 25 00 20 42.4–.00 42.87N 12.69E 0 2.8L ¶610114475
ROM Event type se. Error ellipse: s-maj=0.4km s-min=0.2km az=74.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 25 03 12 26.8–.04 42.535N–.00 13.297E–.01 11–0 1.8
¶614381041
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 25 07 59 16.8–.07 42.649N–.00 13.238E–.00 12–0 1.7L
¶611306572
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 25 18 41 04.9–.03 42.805N–.00 13.097E–.00 11–0 1.5L
¶614381300
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 25 18 51 56.4–.15 42.612N–.01 13.310E–.01 10–0 1.4L
¶615527873
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 25 20 30 08.5–.07 42.566N–.00 13.345E–.01 8–0 2.2L
¶614381323
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 26 15 28 16.8–.08 42.602N–.01 13.320E–.01 10–0 0.9L
¶614381591
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 26 23 13 37.4–.55 42.81N–.01 13.09E–.01 8–3 0.7L
¶614381810
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 27 01 26 26.5–.07 43.023N–.00 13.082E–.01 8–0 1.5L
¶614381859
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 27 04 32 43.2–.08 42.505N–.00 13.404E–.00 9–0 1.7L
¶610133055
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 27 04 33 33.0–.04 42.788N–.00 13.133E–.01 11–0 2.6L
¶616063933
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC I 27 06 00 06.0–.73 42.61N–.02 13.27E–.02 11–4 3.4b 240 0-67
ROM I 27 06 00 04.8–.06 42.628N–.00 13.326E–.01 10–0 3.3L ¶610133059
LDG I 27 06 00 04.8–.11 42.61N 13.35E 10 2.9L
IDC I 27 06 00 05.8–1.3 42.70N 13.35E 0 3.4,3.4b
PDG I 27 06 00 05.9–1.0 42.62N 13.31E 12–1 3.3L,3.4b
PRU I 27 06 00 07.6–.00 42.61N 13.56E 10 3.3L,3.4b
BEO I 27 06 00 09.1–.90 42.66N 13.28E 29–4 3.5L,3.4b
ISC Event type ke.
ROM Event type se. Error ellipse: s-maj=0.5km s-min=0.0km az=210.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
LDG Event type ke. Error ellipse: s-maj=3.8km s-min=2.3km az=45.0.
IDC Error ellipse: s-maj=30.1km s-min=15.8km az=84.0.
PDG Event type ke. Error ellipse: s-maj=1.0km s-min=1.3km az=0.0.
BEO Event type ke.
ISC I 27 14 20 16.3–.71 42.53N–.01 13.36E–.02 11–4 3.5b 191 0-88
ROM I 27 14 20 15.5–.05 42.552N–.00 13.339E–.00 12–0 3.4L,3.4W ¶610144706
IDC I 27 14 20 17.9–1.2 42.81N 13.60E 0 3.4,3.4b
BEO I 27 14 20 18.8–.90 42.73N 13.52E 0 3.6L,3.4b
PRU I 27 14 20 20.3–.00 42.72N 13.64E 10 3.6L,3.4b
ISC Event type ke.
ROM Event type se. Error ellipse: s-maj=0.3km s-min=0.1km az=214.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1. Moment Tensor Solution.
Moment tensor: Scale 10^{14}Nm; M_{rr}-0.95 $M_{\theta\theta}$-0.02 $M_{\phi\phi}$0.97 $M_{r\theta}$0.83 $M_{\theta\phi}$-0.50 $M_{\phi r}$-1.15 NP1:
ϕ_s173.00000°,δ20.00000°,λ-65.00000°. NP2:ϕ_s326.00000°,δ72.00000°,λ-99.00000°.
$M_0$1.77764×10^{14}
IDC Error ellipse: s-maj=26.3km s-min=15.0km az=100.0.
BEO Event type ke.
ROM I 27 17 07 29.5–.12 42.981N–.00 13.035E–.01 7–0 1.4L
¶614382255
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 27 20 51 53.8–.05 42.986N–.00 13.021E–.00 9–0 1.5L
¶614382365
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 27 20 53 35.0–.16 43.028N–.00 13.063E–.01 5–0 1.2L
¶614382366
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 27 23 59 08.1–.03 42.982N–.00 13.031E–.00 10–0 1.2L
¶614382467
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 28 00 00 05.3–.05 42.370N–.00 13.346E–.00 10–0 1.6L
¶616063941
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 28 04 31 29.4–.09 42.598N–.01 13.316E–.01 9–0 1.3L
¶614382625
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 28 04 32 19.3–.09 42.549N–.00 13.371E–.00 3–2 0.9L
¶614382628
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 28 09 38 48.6–.05 42.984N–.00 13.022E–.00 9–0 2.1L
¶610145143
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 28 09 39 13.0–.04 42.982N–.00 13.023E–.00 9–0 2.5L
¶616063934
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 28 09 42 01.3–.17 43.025N–.01 13.029E–.01 8–1 1.3L
¶614382745
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 28 12 46 53.1–.06 42.586N–.00 13.242E–.00 8–0 1.6L
¶610147527
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 28 12 47 16.8–.03 42.988N–.00 13.015E–.00 9–0 2.6L
¶616063935
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 28 13 49 52.7–.16 42.802N–.00 13.185E–.01 8–1 1.5L
¶614382839
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 28 13 56 45.9–.08 43.627N–.00 12.080E–.01 9–0 1.1L
¶614382845
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 28 13 57 29.9–.06 42.525N–.00 13.359E–.01 11–0 1.2L
¶614382851
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC I 28 16 14 41.0–.72 42.62N–.01 13.29E–.02 12–4 3.4b 316 0-67
PDG I 28 16 14 40.8–.46 42.62N 13.30E 11–0 3.6L ¶610147540
IDC I 28 16 14 41.0–1.2 42.74N 13.51E 0 3.4,3.3b
ROM I 28 16 14 40.0–.06 42.624N–.00 13.311E–.01 9–0 3.5L,3.4W
LDG I 28 16 14 40.6–.16 42.53N 13.26E 9 2.9L,3.4W
PRU I 28 16 14 42.1–.00 42.60N 13.43E 10 2.9L,3.4W
BEO I 28 16 14 43.7–.80 42.90N 13.50E 0 3.4L,3.4W
ISC Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.4km s-min=0.6km az=0.0.
IDC Error ellipse: s-maj=31.6km s-min=14.7km az=96.0.
ROM Event type se. Error ellipse: s-maj=0.4km s-min=0.1km az=232.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1. Moment Tensor Solution.
Moment tensor: Scale 10^{14}Nm; M_{rr}-1.44 $M_{\theta\theta}$0.19 $M_{\phi\phi}$1.26 $M_{r\theta}$-0.39 $M_{\theta\phi}$-0.97 $M_{\phi r}$-0.28 NP1:
ϕ_s130.00000°,δ48.00000°,λ-119.00000°. NP2:ϕ_s349.00000°,δ49.00000°,λ-62.00000°.
$M_0$1.72588×10^{14}
LDG Event type ke. Error ellipse: s-maj=5.2km s-min=3.6km az=36.0.
BEO Event type ke.
ROM I 28 16 21 08.0–.07 42.622N–.00 13.296E–.01 10–0 1.9L
¶610147542
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 28 17 23 39.4–.16 42.623N–.00 13.323E–.01 8–1 1.4L
¶614382934
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 28 18 27 08.0–.43 42.90N–.01 13.16E–.01 10–1 1.7L
¶614382956
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 28 18 27 25.8–.05 42.380N–.00 13.343E–.00 10–0 1.6L
¶614382959
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 29 02 01 37.9–.05 42.925N–.00 13.188E–.01 14–0 2.1L
¶614383134
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC I 29 05 10 55.9–.67 42.63N–.01 13.29E–.02 7–4 3.8b,3.6s 486 0-88
ROM I 29 05 10 54.6–.03 42.616N–.00 13.300E–.00 9–0 3.9W,3.8L ¶610147573
PRU I 29 05 10 55.9–.00 42.59N 13.28E 10 3.9W,3.8L
IDC I 29 05 10 55.8–.86 42.76N 13.20E 0 3.9b,3.8
PDG I 29 05 10 55.5–.52 42.63N 13.30E 11–0 4.0L,3.8
LDG I 29 05 10 56.7–.12 42.52N 13.27E 6 3.3L,3.8
BEO I 29 05 10 57.4–.80 42.66N 13.43E 0 3.9L,3.8
ISC Event type ke.
ROM Event type se. Error ellipse: s-maj=0.2km s-min=0.1km az=238.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1. Moment Tensor Solution.
Moment tensor: Scale 10^{14}Nm; M_{rr}-7.53 $M_{\theta\theta}$1.97 $M_{\phi\phi}$5.56 $M_{r\theta}$-0.83 $M_{\theta\phi}$-3.82 $M_{\phi r}$-0.16 NP1:
ϕ_s334.00000°,δ44.00000°,λ-81.00000°. NP2:ϕ_s141.00000°,δ47.00000°,λ-99.00000°.
$M_0$7.80556×10^{14}
IDC Error ellipse: s-maj=15.3km s-min=12.3km az=105.0.
PDG Event type ke. Error ellipse: s-maj=0.3km s-min=0.5km az=0.0.
LDG Event type ke. Error ellipse: s-maj=4.2km s-min=2.7km az=45.0.
BEO Event type ke.
ROM I 29 08 57 02.0–.09 42.542N–.01 13.347E–.01 8–0 1.6L
¶614383254
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 29 10 13 40.5–.06 42.916N–.00 13.114E–.00 10–0 0.7L
¶614383270
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 29 13 12 39.4–.17 42.786N–.00 13.204E–.01 9–1 1.0L
¶614383326
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 29 15 18 49.7–.05 42.485N–.00 13.289E–.00 14–0 1.3L
¶614383388
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 29 16 27 20.4–.08 43.637N–.01 12.089E–.00 9–0 0.7L
¶616063575
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 29 16 28 16.2–.18 43.029N–.01 13.08E–.01 10–1 1.5L
¶610147594
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC I 29 16 28 18.6–.79 43.61N–.02 12.07E–.02 10–5 90 0-6
ROM I 29 16 28 18.3–.06 43.624N–.00 12.090E–.01 8–0 2.7L ¶616063576
PRU I 29 16 28 20.1–.00 43.57N 12.06E 10 2.7L
ISC Event type se.
ROM Event type se. Error ellipse: s-maj=0.6km s-min=0.1km az=202.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.

ROM I 29 16 28 45.8–.09 42.621N–.00 13.312E–.00 7–0 1.7L
¶616063577
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 29 18 12 17.6–.04 42.601N–.00 13.322E–.00 11–0 2.0L
¶614383477
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 29 21 48 09.0–.09 43.623N–.01 12.084E–.01 9–0 0.7L
¶616064262
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 29 21 48 09.8–.10 42.987N–.00 13.040E–.00 6–0 0.6L
¶614383589
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 29 22 37 57.6–.04 42.899N–.00 13.110E–.00 6–0 1.4L
¶614383610
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 30 07 19 59.2–.04 42.814N–.00 13.107E–.00 10–0 1.8L
¶614383766
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 30 08 53 50.1–.09 42.992N–.00 13.024E–.01 9–0 2.2L
¶614383796
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 30 14 58 23.7–.05 42.632N–.00 13.301E–.00 10–0 2.7L
¶610148026
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 30 14 59 06.1–.05 42.638N–.00 13.281E–.00 11–0 1.9L
¶616063940
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 30 23 52 51.0–.36 42.963N–.01 13.023E–.01 9–2 1.0L
¶614384025
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 31 09 37 34.2–.10 42.961N–.00 13.186E–.00 16–0 1.3L
¶614384142
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 31 18 02 36.8–.05 43.633N–.00 12.089E–.00 9–0 1.0L
¶614384295
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM II 01 10 14 17.8–.07 42.734N–.00 13.175E–.01 12–0 1.0L
¶614384527
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM II 01 16 57 57.8–.09 42.956N–.00 13.239E–.01 9–0 2.3L
¶614384622
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM II 02 06 08 06.1–.08 42.512N–.00 13.276E–.01 10–0 1.8L
¶614384782
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC II 03 03 47 56.3–.76 43.00N–.01 13.01E–.01 4–5 4.2b,3.7s 732 0-88
LDG II 03 03 47 52.4–.33 43.21N 13.38E 7 3.3L,3.7s **¶610184296**
ROM II 03 03 47 55.9–.03 42.993N–.00 13.020E–.00 7–0 4.0L,4.0W
MOS II 03 03 47 55.5–1.6 43.03N 13.06E 6 4.4b,4.0W
MED_R II 03 03 47 55.0–.70 42.99N 13.02E 10 4.3W,4.0W
PDG II 03 03 47 56.6–.60 43.01N 13.03E 11–0 4.1L,4.0W
NEIC II 03 03 47 56.5–1.9 43.00N–.05 13.05E–.07 10–1 4.3b,4.1
PRU II 03 03 47 57.5–.00 42.97N 13.18E 10 4.3,4.1
IDC II 03 03 47 57.5–.84 43.18N 13.05E 0 4.0b,3.9
BEO II 03 03 47 59.0–.80 43.06N 13.21E 0 4.2L,3.9
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=8.2km s-min=6.0km az=62.0.
ROM Event type se. Error ellipse: s-maj=0.2km s-min=0.1km az=78.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1. Moment Tensor Solution.
Moment tensor: Scale 10^{15}Nm; M_{rr}-1.09 $M_{\theta\theta}$0.29 $M_{\phi\phi}$0.80 $M_{r\theta}$-0.17 $M_{\theta\phi}$-0.32 $M_{\phi r}$0.20 NP1:
ϕ_s337.00000°,δ38.00000°,λ-85.00000°. NP2:ϕ_s151.00000°,δ52.00000°,λ-94.00000°.
$M_0$1.05522×10^{15}
MOS Error ellipse: s-maj=3.8km s-min=2.7km az=91.3.
MED_R nsta1 refers to body waves. nsta2 refers to surface waves, cutoff=30s. Moment Tensor
Solution. Mantle waves: s14,c16;Duration: 1s0 Moment tensor: Scale 10^{15}Nm; M_{rr}-2.56±.20
$M_{\theta\theta}$1.06±.23; $M_{\phi\phi}$1.50±.15; $M_{r\theta}$2.63±.50; $M_{\theta\phi}$-0.93±.17; $M_{\phi r}$-1.23±.61; Best double couple:
NP1:ϕ_s302.00000°,δ71.00000°,λ-101.00000°. NP2:ϕ_s152.00000°,δ22.00000°,λ-63.00000°.
Principal axes: T 3.4600,Plg25.0000°,Azm41.0000°; N 0.5600,Plg10.0000°,Azm306.0000°
; P -4.0300,Plg63.0000°,Azm196.0000° $M_0$3.74000×10^{15}
PDG Event type ke. Error ellipse: s-maj=0.4km s-min=0.6km az=0.0.
NEIC Event type se. Error ellipse: s-maj=8.8km s-min=7.1km az=226.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-1.95 $M_{\theta\theta}$01.9 $M_{\phi\phi}$1.35 $M_{r\theta}$-0.34
$M_{\theta\phi}$-0.41 $M_{\phi r}$-0.23 NP1:ϕ_s346.25000°,δ47.09000°,λ-76.95000°. NP2:ϕ_s147.45000°
,δ44.48000°,λ-103.65000°. Principal axes: T 1.5314,Plg1.0000°,Azm67.0000°
; N 0.4847,Plg10.0000°,Azm157.0000°; P -2.0161,Plg80.0000°,Azm329.0000°
$M_0$1.82000×10^{15}
IDC Error ellipse: s-maj=13.9km s-min=11.8km az=78.0.
BEO Event type ke.
ISC II 03 04 10 06.2–.68 43.00N–.01 13.02E–.01 5–4 4.7b,3.9s 1199 0-128
STR II 03 04 10 02.9–1.7 43N–9.0 13E–12 10 4.5,3.9s **¶612619014**
BJI II 03 04 10 04.5–.00 43.07N 12.67E 15 5.2b,5.1s
MED_R II 03 04 10 05.0–.30 42.99N 13.03E 10 4.5W,5.1s
LDG II 03 04 10 05.7–.07 43.01N 13.04E 6 3.7L,5.1s
ROM II 03 04 10 05.3–.03 42.992N–.00 13.017E–.00 7–0 4.4L,4.2W
MOS II 03 04 10 05.4–.97 43.09N 13.07E 8 4.9b,4.2W
PRU II 03 04 10 06.5–.00 42.96N 13.06E 10 4.7,4.2W
PDG II 03 04 10 06.1–.60 43.03N 13.04E 12–0 4.6L,4.2W
NEIC II 03 04 10 06.9–1.6 43.04N–.05 12.93E–.06 10–1 4.8b,4.3
IDC II 03 04 10 06.9–.63 43.28N 13.03E 0 4.4b,4.3
BEO II 03 04 10 07.8–.60 43.02N 13.16E 0 4.7L,4.3
BNS II 03 04 10 10.3–.27 43.10N 12.78E 10 4.1L,4.3
ISC Event type ke.
STR Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=120.2. manual.
smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. preliminary.
MED_R nsta1 refers to body waves. nsta2 refers to surface waves, cutoff=35s. Moment Tensor
Solution. Mantle waves: s22,c30;Duration: 1s1 Moment tensor: Scale 10^{15}Nm; M_{rr}-6.02±.22
$M_{\theta\theta}$1.77±.24; $M_{\phi\phi}$4.25±.20; $M_{r\theta}$1.67±.65; $M_{\theta\phi}$-2.04±.21; $M_{\phi r}$-1.68±.71; Best double couple:
NP1:ϕ_s325.00000°,δ56.00000°,λ-96.00000°. NP2:ϕ_s155.00000°,δ34.00000°,λ-82.00000°.
Principal axes: T 5.8400,Plg11.0000°,Azm59.0000°; N 0.6700,Plg5.0000°,Azm328.0000°
; P -6.5100,Plg78.0000°,Azm216.0000° $M_0$6.18000×10^{15}
LDG Event type ke. Error ellipse: s-maj=1.9km s-min=1.4km az=52.0.
ROM Event type se. Error ellipse: s-maj=0.2km s-min=0.1km az=77.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1. Moment Tensor Solution.
Moment tensor: Scale 10^{15}Nm; M_{rr}-2.66 $M_{\theta\theta}$0.64 $M_{\phi\phi}$2.02 $M_{r\theta}$-0.37 $M_{\theta\phi}$-0.64 $M_{\phi r}$0.42 NP1:
ϕ_s342.00000°,δ39.00000°,λ-85.00000°. NP2:ϕ_s155.00000°,δ51.00000°,λ-94.00000°.
$M_0$2.52731×10^{15}
MOS Error ellipse: s-maj=3.4km s-min=2.4km az=88.3.
PDG Event type ke. Error ellipse: s-maj=0.4km s-min=0.5km az=0.0.
NEIC Event type se. Error ellipse: s-maj=8.5km s-min=7.2km az=225.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-4.18 $M_{\theta\theta}$1.13 $M_{\phi\phi}$3.05 $M_{r\theta}$0.49 $M_{\theta\phi}$-1.01
$M_{\phi r}$0.49 NP1:ϕ_s329.78000°,δ43.51000°,λ-100.63000°. NP2:ϕ_s164.29000°,δ47.41000°
,λ-80.07000°. Principal axes: T 3.4941,Plg2.0000°,Azm247.0000°; N 0.7786,Plg7.0000°
,Azm338.0000°; P -4.2727,Plg82.0000°,Azm142.0000° $M_0$3.94000×10^{15}
IDC Error ellipse: s-maj=12.9km s-min=9.8km az=20.0.
BEO Event type ke.
BNS Event type ke.
ISC II 03 04 19 28.9–.81 42.98N–.01 13.05E–.01 5–5 189 0-8
ROM II 03 04 19 28.1–.05 42.992N–.00 13.035E–.01 7–0 3.3L **¶610184301**
BEO II 03 04 19 29.3–.80 42.98N 13.09E 0 3.5L
PRU II 03 04 19 30.3–.00 42.98N 13.53E 10 3.5L
ISC Event type ke.
ROM Event type se. Error ellipse: s-maj=0.3km s-min=0.2km az=72.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
BEO Event type ke.
ISC II 03 05 40 34.8–.69 43.00N–.01 13.02E–.01 5–4 3.8b,3.7s 422 0-94
LDG II 03 05 40 33.6–.17 43.01N 13.04E 8 3.1L,3.7s **¶610184311**
MOS II 03 05 40 34.7–1.0 43.10N 13.03E 13 4.3b,3.7s
ROM II 03 05 40 34.2–.03 42.999N–.00 13.024E–.00 7–0 3.8L,3.8W
PDG II 03 05 40 34.7–.33 43.01N 13.01E 14–0 3.9L,3.8W
IDC II 03 05 40 36.0–1.1 43.17N 13.22E 0 3.8b,3.7
BEO II 03 05 40 35.8–.70 42.99N 13.06E 0 4.0L,3.7
PRU II 03 05 40 36.5–.00 42.98N 13.28E 10 4.0L,3.7
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=4.6km s-min=3.2km az=52.0.
MOS Error ellipse: s-maj=8.1km s-min=5.0km az=77.9.
ROM Event type se. Error ellipse: s-maj=0.2km s-min=0.1km az=79.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1. Moment Tensor Solution.
Moment tensor: Scale 10^{14}Nm; M_{rr}-7.28 $M_{\theta\theta}$1.07 $M_{\phi\phi}$6.20 $M_{r\theta}$-0.55 $M_{\theta\phi}$-1.99 $M_{\phi r}$0.38 NP1:
ϕ_s344.00000°,δ43.00000°,λ-86.00000°. NP2:ϕ_s158.00000°,δ47.00000°,λ-94.00000°.
$M_0$7.11077×10^{14}
PDG Event type ke. Error ellipse: s-maj=0.3km s-min=0.6km az=0.0.
IDC Error ellipse: s-maj=18.0km s-min=12.2km az=74.0.
BEO Event type ke.
ROM II 03 05 49 16.8–.08 42.986N–.00 13.047E–.01 5–0 2.8L
PRU II 03 05 49 18.3–.00 42.92N 13.73E 10 2.8L **¶610184312**
ROM Event type se. Error ellipse: s-maj=0.4km s-min=0.1km az=85.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM II 03 08 11 43.0–.15 43.005N–.00 13.039E–.01 4–1 1.4L
¶614385151
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM II 03 12 52 03.3–.04 42.927N–.00 13.189E–.00 16–0 2.6L
¶610189544
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM II 03 12 52 56.4–.05 43.006N–.00 13.080E–.01 9–0 1.7L
¶616229094
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC II 03 16 08 25.9–.71 42.98N–.01 13.02E–.02 11–4 209 0-48
IDC II 03 16 08 25.5–1.6 43.07N 12.72E 0 3.5,3.5b **¶610189549**
ROM II 03 16 08 25.7–.04 42.985N–.00 13.034E–.00 8–0 3.4L,3.5b
LDG II 03 16 08 25.7–.12 43.01N 13.09E 8 2.7L,3.5b
PRU II 03 16 08 28.1–.00 42.95N 13.39E 10 2.7L,3.5b
BEO II 03 16 08 28.4–.80 43.00N 13.15E 0 3.5L,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=57.4km s-min=16.8km az=97.0.
ROM Event type se. Error ellipse: s-maj=0.3km s-min=0.1km az=257.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
LDG Event type ke. Error ellipse: s-maj=3.2km s-min=1.7km az=55.0.
BEO Event type ke.
ISC II 03 17 19 14.2–.80 42.97N–.02 13.04E–.02 9–4 56 0-6
ROM II 03 17 19 14.2–.06 42.989N–.00 13.038E–.01 7–0 2.7L **¶610189553**
PRU II 03 17 19 15.9–.00 42.94N 13.20E 10 2.7L
ISC Event type se.
ROM Event type se. Error ellipse: s-maj=0.3km s-min=0.2km az=283.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM II 03 17 19 53.5–.10 42.989N–.00 13.041E–.01 5–0 2.1L
¶616229095
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM II 03 19 28 30.9–.05 42.796N–.00 13.097E–.00 10–0 1.7L
¶610224021
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM II 03 22 57 01.9–.18 43.019N–.01 13.034E–.01 6–1 2.1L
PRU II 03 22 57 21.2–.00 42.99N 13.45E 10 2.1L **¶610195872**
ROM Event type se. Error ellipse: s-maj=0.5km s-min=0.5km az=332.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM II 03 22 57 19.1–.03 43.023N–.00 13.042E–.00 8–0 2.8L
¶616229096
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC II 03 23 37 44.0–.65 42.61N–.01 13.29E–.01 10–4 3.6b 538 0-71
PDG II 03 23 37 43.8–.57 42.63N 13.32E 11–0 3.9L **¶610195874**
ROM II 03 23 37 43.1–.03 42.613N–.00 13.301E–.00 9–0 3.7L,3.5W
LDG II 03 23 37 43.9–.17 42.56N 13.24E 9 3.2L,3.5W
BEO II 03 23 37 44.1–.70 42.63N 13.30E 0 3.8L,3.5W
PRU II 03 23 37 44.9–.00 42.61N 13.36E 10 3.8L,3.5W
STR II 03 23 37 44.6–.79 43N–7.0 13E–7.0 9 3.9,3.5W
IDC II 03 23 37 44.2–.90 42.81N 13.19E 0 3.6,3.5b
ISC Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.5km s-min=0.6km az=0.0.
ROM Event type se. Error ellipse: s-maj=0.2km s-min=0.1km az=75.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1. Moment Tensor Solution.
Moment tensor: Scale 10^{14}Nm; M_{rr}-1.92 $M_{\theta\theta}$0.45 $M_{\phi\phi}$1.47 $M_{r\theta}$-0.20 $M_{\theta\phi}$-0.95 $M_{\phi r}$0.41 NP1:
ϕ_s328.00000°,δ39.00000°,λ-92.00000°. NP2:ϕ_s150.00000°,δ52.00000°,λ-88.00000°.
$M_0$2.02963×10^{14}
LDG Event type ke. Error ellipse: s-maj=5.2km s-min=3.6km az=40.0.
BEO Event type ke.
STR Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=59.0. manual.
smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/alpes_taup-2.11. preliminary.
IDC Error ellipse: s-maj=17.4km s-min=10.4km az=86.0.
ROM II 04 01 14 59.0–.11 42.993N–.00 13.029E–.01 9–0 1.0L

¶614385460
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC II 04 02 39 13.6–.75 42.98N–.01 13.02E–.02 5–4 3.7b 258 0-67
BEO II 04 02 39 13.9–.70 42.97N 12.97E 0 3.6L ¶610195880
ROM II 04 02 39 13.1–.04 42.982N–.00 13.035E–.00 8–0 3.3L,3.3W
LDG II 04 02 39 14.1–.17 42.95N 13.09E 9 2.9L,3.3W
IDC II 04 02 39 15.7–1.5 43.17N 13.42E 0 3.4,3.4b
PRU II 04 02 39 15.1–.00 42.94N 13.38E 10 3.4,3.4b
ISC Event type ke.
BEO Event type ke.
ROM Event type se. Error ellipse: s-maj=0.3km s-min=0.1km az=75.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1. Moment Tensor Solution.
Moment tensor: Scale 10^{14}Nm; M_{rr}-1.15 $M_{\theta\theta}$0.20 $M_{\phi\phi}$0.95 $M_{r\theta}$-0.36 $M_{\theta\phi}$-0.39 $M_{\phi r}$-0.06 NP1: ϕ_s352.00000°,δ45.00000°,λ-68.00000°. NP2:ϕ_s142.00000°,δ49.00000°,λ-110.00000°.
$M_0$1.18444×10^{14}
LDG Event type ke. Error ellipse: s-maj=4.2km s-min=2.6km az=71.0.
IDC Error ellipse: s-maj=29.2km s-min=16.0km az=95.0.
ISC II 04 03 41 59.3–.78 42.98N–.01 13.05E–.01 3–5 3.8b 364 0-62
LDG II 04 03 41 57.5–.20 43.10N 13.09E 9 2.9L ¶610195885
ROM II 04 03 41 58.6–.03 42.980N–.00 13.036E–.00 8–0 3.6L,3.5W
PDG II 04 03 41 59.4–.72 42.98N 13.05E 10–0 3.6L,3.5W
BEO II 04 03 42 00.0–.70 42.95N 13.05E 0 3.8L,3.5W
PRU II 04 03 42 00.8–.00 42.92N 13.38E 10 3.8L,3.5W
IDC II 04 03 42 01.2–1.5 43.18N 13.37E 0 3.6b,3.5
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=5.4km s-min=2.5km az=54.0.
ROM Event type se. Error ellipse: s-maj=0.2km s-min=0.1km az=76.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1. Moment Tensor Solution.
Moment tensor: Scale 10^{14}Nm; M_{rr}-2.13 $M_{\theta\theta}$0.25 $M_{\phi\phi}$1.88 $M_{r\theta}$-0.25 $M_{\theta\phi}$-0.69 $M_{\phi r}$0.27 NP1: ϕ_s344.00000°,δ41.00000°,λ-84.00000°. NP2:ϕ_s156.00000°,δ50.00000°,λ-95.00000°.
$M_0$2.16389×10^{14}
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=0.8km az=0.0.
BEO Event type ke.
IDC Error ellipse: s-maj=23.1km s-min=12.6km az=76.0.
ROM II 04 13 11 19.0–.05 42.995N–.00 13.034E–.00 8–0 2.8L
¶610197351
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM II 04 13 12 14.1–.15 42.990N–.00 13.034E–.01 5–1 1.6L
¶616229097
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM II 04 13 13 11.2–.12 42.734N–.00 13.290E–.01 14–1 1.2L
¶616229098
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC II 04 13 47 35.1–.95 43.96N–.02 12.48E–.02 34–3 85 0-5
PRU II 04 13 47 33.9–.00 44.38N 11.58E 0 ¶610197353
ROM II 04 13 47 34.8–.11 43.953N–.01 12.46E–.01 36–0 2.4L
ISC Event type se.
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM II 04 17 37 39.9–.09 42.903N–.01 13.013E–.01 11–0 0.6L
¶614385726
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM II 04 18 07 13.6–.03 42.597N–.00 13.307E–.00 11–0 1.6L
¶614385733
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM II 05 08 24 24.6–.22 43.013N–.00 13.018E–.01 10–1 0.8L
¶614385918
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM II 05 16 01 48.2–.05 42.499N–.00 13.415E–.00 10–0 1.4L
¶614386039
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM II 05 19 50 27.3–.04 43.016N–.00 13.031E–.00 15–0 1.9L
¶614386071
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM II 06 02 58 57.2–.05 43.021N–.00 13.027E–.00 9–0 1.7L
¶614386165
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM II 06 03 52 33.5–.04 42.608N–.00 13.326E–.00 9–0 1.9L
¶614386172
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM II 06 06 54 55.1–.16 43.000N–.00 13.039E–.01 5–1 1.0L
¶614386197
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM II 06 12 08 22.5–.05 43.009N–.00 13.032E–.00 8–0 2.6L
¶610198053
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM II 06 15 22 48.5–.09 42.862N–.00 13.182E–.00 13–0 1.6L
¶614386293
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM II 06 15 23 16.8–.06 42.733N–.00 13.194E–.00 10–0 1.7L
¶614386296
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM II 06 16 47 29.8–.13 43.005N–.00 13.025E–.01 6–1 1.8L
¶614386306
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM II 06 16 47 49.6–.07 42.518N–.00 13.286E–.01 11–0 1.9L
¶614386309
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM II 06 21 32 03.5–.04 42.994N–.00 13.033E–.00 8–0 1.6L
¶614386356
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC II 06 23 38 57.0–.69 42.98N–.01 12.98E–.01 7–4 4.0b 382 0-75
LDG II 06 23 38 56.5–.07 42.97N 12.99E 8 3.7,3.1L ¶610198162
BEO II 06 23 38 56.1–.90 42.95N 12.91E 0 3.8L,3.1L
ROM II 06 23 38 56.2–.03 42.977N–.00 13.033E–.00 8–0 3.8L,3.6W
IDC II 06 23 38 56.2–.96 43.04N 12.97E 0 3.8,3.8b
PDG II 06 23 38 57.2–.55 42.98N 13.05E 8–0 3.7L,3.8b
PRU II 06 23 38 57.3–.00 42.95N 13.01E 10 3.7L,3.8b
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=2.2km s-min=1.6km az=38.0.
BEO Event type ke.
ROM Event type se. Error ellipse: s-maj=0.2km s-min=0.1km az=77.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1. Moment Tensor Solution.
Moment tensor: Scale 10^{14}Nm; M_{rr}-2.57 $M_{\theta\theta}$0.34 $M_{\phi\phi}$2.23 $M_{r\theta}$-0.11 $M_{\theta\phi}$-1.00 $M_{\phi r}$0.93 NP1: ϕ_s331.00000°,δ36.00000°,λ-99.00000°. NP2:ϕ_s162.00000°,δ55.00000°,λ-83.00000°.
$M_0$2.78031×10^{14}
IDC Error ellipse: s-maj=18.3km s-min=12.8km az=87.0.
PDG Event type ke. Error ellipse: s-maj=0.5km s-min=0.6km az=0.0.
ROM II 07 01 13 35.0–.05 42.201N–.00 13.484E–.00 11–0 1.6L
¶614386390
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM II 07 02 23 13.8–.14 42.979N–.01 13.086E–.01 8–1 1.4L
¶614386406
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM II 07 02 24 35.6–.06 43.003N–.00 13.025E–.00 9–0 2.2L
¶614386407
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM II 07 04 19 03.0–.09 42.976N–.00 13.036E–.01 7–0 2.0L
¶616064258
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC II 07 04 19 40.8–1.1 42.97N–.03 12.96E–.03 7–6 40 0-5
ROM II 07 04 19 40.9–.15 42.996N–.00 13.028E–.01 6–1 2.5L ¶610198719
ISC Event type se.
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM II 07 05 15 32.3–.15 42.933N–.01 13.171E–.01 12–1 1.1L
¶614386424
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM II 07 05 18 19.2–.06 42.603N–.00 13.307E–.00 10–0 1.5L
¶614386425
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM II 07 12 39 14.0–.11 42.920N–.00 13.196E–.01 6–0 1.7L
¶614386491
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM II 07 19 54 25.7–.06 42.795N–.00 13.200E–.01 8–0 1.7L
¶610198939
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC II 07 19 55 08.9–.79 42.63N–.02 13.33E–.02 14–4 81 0-3
ROM II 07 19 55 08.6–.04 42.642N–.00 13.340E–.00 11 2.6L ¶616229099
ISC Event type se.
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM II 07 21 15 01.1–.12 42.566N–.00 13.205E–.01 12–1 1.3L
¶612681903
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM II 07 22 11 14.5–.06 43.017N–.00 13.020E–.01 9–0 1.4L
¶614386690
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM II 07 22 15 56.7–.08 42.832N–.00 13.129E–.01 9–0 0.9L
¶614386692
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM II 07 22 52 04.3–.04 42.809N–.00 13.118E–.00 10–0 1.4L
¶614386700
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM II 08 04 24 21.1–.04 42.916N–.00 13.017E–.00 10–0 1.6L
¶614386779
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM II 08 09 51 01.8–.07 42.840N–.00 13.246E–.00 14–0 1.5L
¶614386835
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM II 08 15 31 27.3–.07 42.976N–.00 13.073E–.00 12–0 1.4L
¶614386910
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM II 09 06 33 24.3–.12 42.639N–.01 13.301E–.01 10–0 1.6L
¶614387111
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM II 09 06 43 42.5–.04 43.449N–.00 12.320E–.00 8–0 0.7
¶614387114
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM II 09 08 56 31.1–.12 42.517N–.00 13.399E–.00 7–0 1.1,0.8L
¶614387137
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM II 09 09 57 24.2–.07 42.585N–.00 13.303E–.00 13–0 1.4L,1.0
¶614387148
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC II 09 09 58 28.1–.65 42.67N–.02 12.64E–.02 7–4 4.0b,3.6s 459 0-81
STR II 09 09 58 21.7–2.1 42N–14 13E–15 9 4.0,3.6s ¶610205799
MED_R II 09 09 58 27.0–.80 42.67N 12.68E 10 4.1W,3.6s
ROM II 09 09 58 27.0–.04 42.664N–.00 12.681E–.00 8–0 3.9L,3.7W
IDC II 09 09 58 27.5–1.1 42.75N 12.49E 0 3.9,3.9b
LDG II 09 09 58 27.7–.13 42.63N 12.67E 9 3.1L,3.9b
PRU II 09 09 58 27.9–.00 42.63N 12.40E 10 3.1L,3.9b

MOS II 09 09 58 28.1–1.1 42.76N 12.67E 11 4.3b,3.9b
PDG II 09 09 58 28.0–.60 42.69N 12.66E 7–0 4.0L,3.9b
BEO II 09 09 58 29.7–1.0 42.53N 12.80E 0 4.0L,3.9b
ISC Event type ke.
STR Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=125.4. manual. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. preliminary.
MED_R nsta1 refers to body waves. nsta2 refers to surface waves, cutoff=35s. Moment Tensor Solution. Mantle waves: s8,c9;Duration: 1^s0 Moment tensor: Scale 10^{15}Nm; M_{rr}-1.49±.15 $M_{\theta\theta}$1.05±.15; $M_{\phi\phi}$0.44±.12; $M_{r\theta}$-0.92±.50; $M_{\theta\phi}$-0.47±.14; $M_{\phi r}$0.87±.37; Best double couple: NP1:ϕ_s128.00000°,δ66.00000°,λ-83.00000°. NP2:ϕ_s292.00000°,δ25.00000°,λ-104.00000°. Principal axes: T 1.7800,Plg21.0000°,Azm213.0000°; N 0.2200,Plg6.0000°,Azm305.0000° ; P -1.9900,Plg68.0000°,Azm50.0000° $M_0$1.88000×10^{15}
ROM Event type se. Error ellipse: s-maj=0.2km s-min=0.1km az=244.0. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}-5.22 $M_{\theta\theta}$4.12 $M_{\phi\phi}$1.10 $M_{r\theta}$0.49 $M_{\theta\phi}$-0.72 $M_{\phi r}$0.54 NP1: ϕ_s108.00000°,δ43.00000°,λ-81.00000°. NP2:ϕ_s277.00000°,δ47.00000°,λ-98.00000°. $M_0$4.79533×10^{14}
IDC Error ellipse: s-maj=21.0km s-min=14.2km az=77.0.
LDG Event type ke. Error ellipse: s-maj=4.2km s-min=2.8km az=27.0.
MOS Error ellipse: s-maj=6.2km s-min=4.0km az=83.8.
PDG Event type ke. Error ellipse: s-maj=0.5km s-min=0.7km az=0.0.
BEO Event type ke.

ROM II 09 10 13 58.4–.09 42.859N–.00 13.095E–.01 10–0 1.4L ¶616051094
ROM Event type se. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.

ISC II 09 14 14 42.2–.77 42.66N–.02 12.64E–.02 9–5 3.6b 210 0-72
BEO II 09 14 14 39.7–1.3 42.61N 12.37E 0 3.8L **¶610206139**
PRU II 09 14 14 39.3–.00 42.34N 13.23E 0 3.8L
IDC II 09 14 14 41.8–1.1 42.70N 12.65E 0 3.6,3.6b
LDG II 09 14 14 41.9–.10 42.66N 12.68E 7 3.5,3.0L
ROM II 09 14 14 41.6–.07 42.677N–.00 12.699E–.01 7–0 3.5L,3.4W
ISC Event type ke.
BEO Event type ke.
LDG Event type ke.
ROM Event type se. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}-1.41 $M_{\theta\theta}$1.36 $M_{\phi\phi}$0.05 $M_{r\theta}$0.02 $M_{\theta\phi}$0.20 $M_{\phi r}$0.07 NP1: ϕ_s84.00000°,δ44.00000°,λ-86.00000°. NP2:ϕ_s259.00000°,δ46.00000°,λ-94.00000°. $M_0$1.40192×10^{14}

ROM II 09 15 00 29.9–.05 42.718N–.00 13.197E–.01 10–0 2.1L ¶614387233
ROM Event type se. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.

ROM II 09 15 36 03.2–.15 43.060N–.01 13.089E–.01 8–0 1.5L ¶614387244
ROM Event type se. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.

ROM II 09 16 26 06.4–.20 43.037N–.01 13.039E–.01 7–1 1.1L ¶614387253
ROM Event type se. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.

ISC II 09 18 11 09.8–.81 42.21N–.02 13.48E–.02 16–5 51 0-3
ROM II 09 18 11 09.4–.09 42.200N–.00 13.492E–.01 11–0 2.8L **¶610206150**
ISC Event type se.
ROM Event type se. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.

ROM II 09 18 11 10.4–.06 42.664N–.00 12.704E–.00 10–0 2.4L ¶616089347
ROM Event type se. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.

ROM II 09 18 40 08.8–.16 43.036N–.00 13.044E–.01 6–1 1.0L ¶614387298
ROM Event type se. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.

ROM II 09 18 41 09.7–.05 42.711N–.00 12.811E–.00 11 1.8L ¶614387299
ROM Event type se. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.

ROM II 10 10 01 00.8–.09 42.755N–.00 13.038E–.00 7–0 1.4L ¶614387416
ROM Event type se. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.

ROM II 10 13 12 47.1–.16 43.000N–.00 13.089E–.01 7–1 1.3L ¶614387457
ROM Event type se. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.

ROM II 10 17 23 24.1–.08 42.815N–.00 13.143E–.00 10–0 1.7L ¶614387499
ROM Event type se. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.

ROM II 11 00 05 08.6–.06 42.492N–.00 13.392E–.01 10–0 2.7L
PRU II 11 00 05 13.5–.00 42.69N 12.42E 10 2.7L **¶610208119**
ROM Event type se. Error ellipse: s-maj=0.4km s-min=0.3km az=57.0. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.

ROM II 11 00 48 09.6–.14 42.537N–.01 13.422E–.01 14–1 1.2L ¶616228552
ROM Event type se. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.

ISC II 11 00 48 24.4–.79 43.02N–.02 13.14E–.02 12–5 82 0-3
ROM II 11 00 48 24.4–.06 43.022N–.00 13.126E–.01 8–0 2.3L **¶616228553**
ISC Event type se.
ROM Event type se. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.

ROM II 11 00 48 52.1–.08 43.016N–.00 13.116E–.01 8–0 2.9L
PRU II 11 00 48 52.1–.00 42.93N 13.89E 10 2.9L **¶610208122**
ROM Event type se. Error ellipse: s-maj=0.4km s-min=0.4km az=80.0. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.

ROM II 11 07 50 22.7–.04 43.502N–.00 12.329E–.00 10–0 1.4L ¶614387658
ROM Event type se. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.

ROM II 11 11 32 45.1–.03 42.808N–.00 13.126E–.00 11–0 1.5L ¶614387690
ROM Event type se. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.

ISC II 12 13 55 21.0–.71 43.00N–.01 13.02E–.02 9–4 3.7b 272 0-67
PRU II 12 13 55 15.9–.00 42.69N 13.34E 10 3.7b **¶610208517**
ROM II 12 13 55 21.0–.02 43.008N–.00 13.036E–.00 8–0 3.6L
LDG II 12 13 55 21.4–.10 43.03N 13.07E 8 3.0L
IDC II 12 13 55 22.7–1.1 43.18N 13.41E 0 3.6,3.6b
STR II 12 13 55 25.0–1.4 43N–15 13E–15 10 4.0,3.6b
ISC Event type ke.
ROM Event type se. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
LDG Event type ke.
STR Event type se. manual. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. preliminary.

ROM II 12 18 30 27.8–.12 42.639N–.01 13.218E–.01 11–0 1.0L ¶614388123
ROM Event type se. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.

ROM II 13 05 12 22.4–.05 42.663N–.00 12.833E–.00 10–0 1.4L ¶614388254
ROM Event type se. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.

ROM II 13 12 49 52.9–.11 42.624N–.00 13.290E–.00 8–0 1.0L ¶614388302
ROM Event type se. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.

ISC II 14 08 28 04.6–.63 42.68N–.01 13.19E–.01 14–3 3.7b 452 0-67
BGR II 14 08 28 01.3–.92 42.27N 13.62E 10 4.1L **¶610208955**
IDC II 14 08 28 03.1–.93 42.75N 13.20E 0 3.7,3.7b
LDG II 14 08 28 03.8–.08 42.69N 13.21E 11 3.8,3.5L
ROM II 14 08 28 04.0–.02 42.69N 13.216E–.00 11 3.8L,3.6W
PRU II 14 08 28 04.6–.00 42.67N 13.29E 10 3.8L,3.6W
PDG II 14 08 28 04.5–.60 42.69N 13.23E 13–0 3.8L,3.6W
BEO II 14 08 28 06.5–1.0 42.68N 13.43E 0 3.8L,3.6W
STR II 14 08 28 11.9–1.6 43N–7.0 13E–12 10 3.9,3.6W
ISC Event type ke.
BGR Event type ke.
LDG Event type ke.
ROM Event type se. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}-2.22 $M_{\theta\theta}$0.40 $M_{\phi\phi}$1.82 $M_{r\theta}$1.63 $M_{\theta\phi}$-1.46 $M_{\phi r}$-0.86 NP1: ϕ_s169.00000°,δ32.00000°,λ-55.00000°. NP2:ϕ_s309.00000°,δ64.00000°,λ-110.00000°. $M_0$3.11288×10^{14}
PDG Event type ke.
BEO Event type ke.
STR Event type se. manual. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. preliminary.

ROM II 14 14 23 28.3–.03 42.725N–.00 13.181E–.00 11–0 2.6L ¶610209104
ROM Event type se. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.

ROM II 14 14 24 09.9–.04 42.719N–.00 13.188E–.00 10–0 2.7L ¶616229100
ROM Event type se. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.

ROM II 15 07 48 13.5–.06 42.537N–.00 13.356E–.00 9–0 1.1L ¶614388743
ROM Event type se. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.

ROM II 15 14 18 56.3–.17 43.001N–.00 12.992E–.01 6–1 0.6L ¶614388603
ROM Event type se. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.

ROM II 15 15 41 36.0–.05 42.787N–.00 13.138E–.00 10–0 1.5L ¶614388618
ROM Event type se. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.

ROM II 15 19 50 08.3–.05 42.814N–.00 13.092E–.01 11–0 0.8L ¶614388673
ROM Event type se. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.

ROM II 15 23 01 37.6–.19 43.014N–.00 13.035E–.01 5–1 1.7L ¶614388702
ROM Event type se. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.

ROM II 16 00 19 23.0–.04 42.843N–.00 13.090E–.00 12–0 1.1L ¶614388949
ROM Event type se. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.

ROM II 16 08 08 01.3–.12 42.775N–.01 13.235E–.01 18–1 2.2L ¶614388814
ROM Event type se. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.

ROM II 16 08 08 05.0–.05 42.974N–.00 13.066E–.01 11–0 1.8L ¶614388817
ROM Event type se. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.

ROM II 16 12 27 46.0–.08 42.600N–.00 13.285E–.01 10–0 1.5L ¶614388846
ROM Event type se. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.

ROM II 16 20 18 04.8–.04 42.736N–.00 13.036E–.00 15–0 1.0L ¶614388923
ROM Event type se. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.

ROM II 17 11 23 29.5–.09 42.602N–.01 13.329E–.01 14–1 0.8L ¶614389024
ROM Event type se. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.

ROM II 18 09 25 24.9–.05 42.199N–.00 13.479E–.00 10–0 1.3L ¶612185393
ROM Event type se. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.

ISC II 18 14 23 36.5–.83 43.01N–.02 13.04E–.02 5–5 78 0-6
ROM II 18 14 23 36.2–.09 43.008N–.00 13.032E–.00 6–0 2.6L **¶610231528**
PRU II 18 14 23 38.7–.00 43.02N 13.81E 10 2.6L
ISC Event type se.
ROM Event type se. Error ellipse: s-maj=0.3km s-min=0.0km az=107.0. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.

ISC II 19 10 32 57.8–.77 42.58N–.02 13.26E–.02 13–4 104 0-7
ROM II 19 10 32 57.4–.04 42.584N–.00 13.271E–.00 11–0 3.0L **¶610231556**
PRU II 19 10 32 59.6–.00 42.59N 13.95E 10 3.0L
ISC Event type se.
ROM Event type se. Error ellipse: s-maj=0.3km s-min=0.3km az=59.0. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.

ROM II 19 13 24 58.1–.09 42.567N–.00 13.320E–.01 9–0 1.3L ¶614389505
ROM Event type se. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.

ISC II 19 16 40 26.2–.78 43.07N–.02 13.05E–.02 9–4 81 0-6
PRU II 19 16 40 25.0–.00 42.91N 14.23E 10 **¶610231567**
ROM II 19 16 40 26.1–.08 43.070N–.00 13.048E–.00 7–0 2.6L
ISC Event type se.
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM II 19 17 18 14.6–.06 42.553N–.00 13.348E–.01 10–0 1.5L
¶614389540
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC II 20 03 13 31.4–.62 42.50N–.01 13.24E–.01 10–3 4.1b,3.3s 683 0-94
STR II 20 03 13 29.7–2.8 42N–24 13E–16 10 4.0,3.3s **¶610231658**
MOS II 20 03 13 29.5–1.2 42.50N 13.16E 9 4.2b,3.3s
MED_R II 20 03 13 30.0–.50 42.50N 13.26E 10 4.2W,3.3s
NEIC II 20 03 13 30.9–1.2 42.51N–.06 13.26E–.07 7–4 4.3b,4.0
ROM II 20 03 13 30.7–.02 42.501N–.00 13.258E–.00 11–0 4.0L,3.9W
IDC II 20 03 13 31.0–.67 42.60N 13.24E 0 3.9,3.9b
LDG II 20 03 13 31.4–.10 42.45N 13.19E 11 3.7L,3.9b
PDG II 20 03 13 31.3–.68 42.51N 13.24E 10–0 4.0L,3.9b
BEO II 20 03 13 32.2–.70 42.53N 13.24E 0 4.1L,3.9b
PRU II 20 03 13 32.8–.00 42.51N 13.29E 10 4.3,3.9b
ISC Event type ke.
STR Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=149.5. manual.
smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. preliminary.
MOS Error ellipse: s-maj=5.4km s-min=3.6km az=79.6.
MED_R nsta1 refers to body waves. nsta2 refers to surface waves, cutoff=35s. Moment Tensor
Solution. Mantle waves: s13,c14;Duration: 1s0 Moment tensor: Scale 10^{15}Nm; M_{rr}-1.53±.11
$M_{\theta\theta}$0.45±.13; $M_{\phi\phi}$1.08±.08; $M_{r\theta}$1.42±.38; $M_{\theta\phi}$-0.30±.09; $M_{\phi r}$-1.38±.27; Best double couple:
NP1:ϕ_s319.00000°,δ73.00000°,λ-97.00000°. NP2:ϕ_s163.00000°,δ18.00000°,λ-67.00000°.
Principal axes: T 2.1700,Plg28.0000°,Azm55.0000°; N 0.4300,Plg7.0000°,Azm321.0000°
; P -2.6100,Plg61.0000°,Azm218.0000° $M_0$2.39000×10^{15}
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=6.0km az=221.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-1.40 $M_{\theta\theta}$0.34 $M_{\phi\phi}$1.06 $M_{r\theta}$0.37 $M_{\theta\phi}$-0.46
$M_{\phi r}$0.42 NP1:ϕ_s318.55000°,δ42.67000°,λ-115.11000°. NP2:ϕ_s171.07000°,δ52.14000°
,λ-68.63000°. Principal axes: T 1.3016,Plg5.0000°,Azm246.0000°; N 0.2736,Plg17.0000°
,Azm338.0000°; P -1.5752,Plg73.0000°,Azm140.0000° $M_0$1.46000×10^{15}
ROM Event type se. Error ellipse: s-maj=0.1km s-min=0.1km az=78.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1. Moment Tensor Solution.
Moment tensor: Scale 10^{14}Nm; M_{rr}-9.06 $M_{\theta\theta}$2.55 $M_{\phi\phi}$6.51 $M_{r\theta}$-1.29 $M_{\theta\phi}$-4.17 $M_{\phi r}$3.83 NP1:
ϕ_s322.00000°,δ34.00000°,λ-99.00000°. NP2:ϕ_s153.00000°,δ57.00000°,λ-84.00000°.
$M_0$9.96175×10^{14}
IDC Error ellipse: s-maj=12.2km s-min=9.8km az=100.0.
LDG Event type ke. Error ellipse: s-maj=3.4km s-min=2.2km az=40.0.
PDG Event type ke. Error ellipse: s-maj=0.4km s-min=0.6km az=0.0.
BEO Event type ke.
ROM II 20 16 16 56.1–.04 42.823N–.00 13.181E–.00 11–0 1.1L
¶614389586
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM II 21 11 19 17.8–.04 42.788N–.00 13.101E–.00 11–0 1.5L
¶614389806
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC II 21 17 45 39.1–.77 42.81N–.02 13.14E–.02 13–4 103 0-6
PRU II 21 17 45 35.9–.00 42.63N 14.36E 10 **¶610239223**
ROM II 21 17 45 38.9–.03 42.809N–.00 13.123E–.00 11–0 3.0L
ISC Event type se.
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC II 22 04 30 16.5–.73 42.61N–.01 13.22E–.01 13–4 279 0-10
LDG II 22 04 30 15.8–.13 42.59N 13.25E 13 3.3L **¶610239522**
ROM II 22 04 30 16.3–.03 42.608N–.00 13.225E–.00 11–0 3.5L
PRU II 22 04 30 17.3–.00 42.69N 13.48E 0 3.5L
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=3.9km s-min=3.2km az=41.0.
ROM Event type se. Error ellipse: s-maj=0.2km s-min=0.2km az=61.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC II 23 03 17 31.8–.66 42.60N–.01 13.20E–.01 14–3 3.6b 416 0-67
IDC II 23 03 17 30.9–1.1 42.67N 13.56E 0 3.5,3.5b **¶610239726**
LDG II 23 03 17 31.6–.11 42.61N 13.31E 12 3.3L,3.5b
ROM II 23 03 17 31.6–.02 42.602N–.00 13.231E–.00 12–0 3.6L,3.5W
PDG II 23 03 17 32.1–.51 42.62N 13.23E 13–0 3.5L,3.5W
PRU II 23 03 17 32.7–.00 42.69N 13.16E 0 3.5L,3.5W
STR II 23 03 17 35.7–1.5 43N–12 13E–13 10 3.7,3.5W
ISC Event type ke.
LDG Event type ke.
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1. Moment Tensor Solution.
Moment tensor: Scale 10^{14}Nm; M_{rr}-1.72 $M_{\theta\theta}$-0.10 $M_{\phi\phi}$1.81 $M_{r\theta}$0.15 $M_{\theta\phi}$-0.98 $M_{\phi r}$-0.75 NP1:
ϕ_s150.00000°,δ35.00000°,λ-100.00000°. NP2:ϕ_s343.00000°,δ56.00000°,λ-83.00000°.
$M_0$2.11517×10^{14}
PDG Event type ke.
STR Event type se. manual. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. preliminary.
ROM II 23 03 33 55.5–.03 42.619N–.00 13.234E–.00 12–0 2.6L
¶610239725
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM II 23 03 34 53.5–.06 42.623N–.00 13.231E–.00 13–0 1.1L
¶616229101
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM II 23 07 31 43.0–.07 42.618N–.00 13.225E–.01 10–0 1.9L
¶610239734
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC II 23 07 32 27.4–.76 42.62N–.02 13.23E–.02 14–4 92 0-3
ROM II 23 07 32 27.1–.05 42.622N–.00 13.236E–.00 13–0 2.7L **¶616229102**
ISC Event type se.
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM II 23 17 20 18.9–.13 43.016N–.00 13.02E–.02 10–0 1.2L
¶614390322
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM II 24 12 11 15.0–.81 42.99N–.04 12.72E–.06 10 1.5L
¶614390510
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM II 24 12 24 42.3–.12 42.855N–.00 13.037E–.00 8–0 1.5L
¶614390512
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM II 25 00 03 41.2–.10 42.538N–.00 13.302E–.01 14–0 1.0L
¶614390581
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC II 25 02 35 14.3–.75 43.20N–.02 11.06E–.02 11–4 3.3b 245 0-49
IDC II 25 02 35 13.9–1.2 43.25N 11.05E 0 3.5,3.5L **¶610240978**
STR II 25 02 35 13.7–2.2 43N–8.0 11E–17 10 3.3,3.5L
LDG II 25 02 35 14.4–.08 43.21N 11.13E 7 3.0L,3.5L
ROM II 25 02 35 14.2–.10 43.187N–.00 11.040E–.01 8–0 3.0L,3.5L
PRU II 25 02 35 15.7–.00 43.16N 11.10E 10 3.0L,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=33.9km s-min=16.2km az=107.0.
STR Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=94.0. manual.
smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/alpes_taup-2.11. preliminary.
LDG Event type ke. Error ellipse: s-maj=2.4km s-min=1.7km az=17.0.
ROM Event type se. Error ellipse: s-maj=0.5km s-min=0.3km az=74.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM II 26 01 25 54.5–.08 42.691N–.00 13.288E–.01 10–0 2.1L
¶610241393
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC II 26 01 26 11.7–.77 42.68N–.02 13.29E–.02 13–5 90 0-3
ROM II 26 01 26 11.4–.04 42.671N–.00 13.299E–.00 12–0 2.5L **¶616229105**
ISC Event type se.
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM II 26 07 00 32.1–.08 42.383N–.00 13.361E–.01 10–0 1.5L
¶614390821
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM II 26 16 34 43.2–.03 42.770N–.00 13.256E–.00 11–0 2.0L
PRU II 26 16 34 53.8–.00 42.87N 13.50E 10 2.0L **¶610241361**
ROM Event type se. Error ellipse: s-maj=0.2km s-min=0.2km az=105.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM II 26 16 34 53.4–.07 43.025N–.00 13.030E–.01 8–0 2.7L
¶616229104
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC II 26 17 04 02.4–.73 42.92N–.01 13.15E–.01 10–4 265 0-12
ROM II 26 17 04 02.5–.07 42.921N–.00 13.147E–.00 8–0 3.3L **¶610241359**
LDG II 26 17 04 03.6–.18 42.83N 13.09E 8 3.4L
STR II 26 17 04 03.3–2.2 43N–11 13E–17 10 3.5
PRU II 26 17 04 05.5–.00 42.99N 13.41E 10 3.5
ISC Event type ke.
ROM Event type se. Error ellipse: s-maj=0.3km s-min=0.1km az=267.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
LDG Event type ke. Error ellipse: s-maj=5.7km s-min=4.0km az=41.0.
STR Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=102.7. manual.
smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. preliminary.
ROM II 26 17 05 04.7–.08 42.924N–.00 13.156E–.00 8–0 2.2L
¶616229103
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM II 26 23 28 36.0–.09 42.558N–.00 13.267E–.01 14–0 1.5L
¶614390967
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM II 27 06 31 21.4–.03 42.813N–.00 13.092E–.00 11–0 1.3L
¶614391011
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM II 27 20 49 26.4–.11 42.778N–.00 12.971E–.01 5–0 0.1L
¶610241723
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC II 27 20 50 09.9–.82 42.62N–.02 13.33E–.02 6–5 96 0-4
ROM II 27 20 50 09.4–.05 42.616N–.00 13.316E–.00 8–0 2.6L **¶616229106**
ISC Event type se.
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM II 27 22 49 40.1–.15 42.646N–.00 13.28E–.01 10–0 0.7L
¶614391147
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC II 27 23 09 24.9–.82 42.35N–.02 13.30E–.02 8–5 107 0-9
ROM II 27 23 09 24.7–.06 42.345N–.00 13.342E–.01 11–0 2.3L **¶610241726**
LDG II 27 23 09 40.8–.16 42.60N 13.31E 11 2.7L
ISC Event type ke.
ROM Event type se. Error ellipse: s-maj=0.5km s-min=0.4km az=291.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
LDG Event type ke. Error ellipse: s-maj=5.9km s-min=3.3km az=42.0.
ROM II 27 23 09 39.8–.03 42.628N–.00 13.322E–.00 11–0 3.2L
¶616229107
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 01 06 53 00.8–.08 42.726N–.00 13.263E–.01 13–0 1.3L
¶614391351
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 01 08 18 15.8–.18 42.51N–.01 13.28E–.01 13–1 1.4L
¶610242105
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 01 08 18 23.3–.05 42.478N–.00 13.260E–.00 14–0 2.6L
¶616602535
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 02 02 20 55.4–.11 42.790N–.00 13.198E–.00 6–0 1.1L
¶614391527
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 03 08 37 38.5–.10 42.049N–.00 13.874E–.01 21–0 1.6L
¶614391759
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 03 16 17 03.6–.05 42.665N–.00 13.193E–.00 12–0 0.8L
¶614391828
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 03 17 03 24.5–.06 42.723N–.00 13.172E–.00 12–0 0.9L
¶614391844

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 03 21 32 00.5–.09 42.787N–.00 13.207E–.01 9–0 0.9L ¶614391885

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 03 23 18 22.3–.09 42.984N–.01 13.038E–.01 10 0.6L ¶614391895

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 03 23 40 23.5–.05 42.663N–.00 13.209E–.00 12–0 1.3L ¶614391901

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 04 03 35 48.1–.09 42.791N–.00 13.045E–.00 10–0 1.2 ¶614391937

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 05 22 46 17.4–.03 42.682N–.00 13.192E–.00 11–0 2.0L ¶614392265

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 06 02 49 29.7–.07 42.502N–.01 13.276E–.01 11–0 1.3L ¶614392295

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 06 03 24 33.2–.14 43.011N–.01 13.152E–.01 10–0 1.0L ¶614392297

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 06 18 33 27.7–.09 43.059N–.00 13.075E–.01 10–0 1.0L ¶614392408

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 06 20 12 44.4–.04 43.019N–.00 13.136E–.01 10–0 1.5L ¶614392415

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 07 17 42 57.2–.10 42.777N–.00 13.146E–.01 8–0 1.6L ¶616602536

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 07 17 43 11.0–.14 42.778N–.00 13.132E–.01 7–1 1.4L ¶610271590

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 08 07 55 20.5–.04 42.722N–.00 13.196E–.00 11–0 2.1L ¶614980473

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 08 09 34 34.3–.04 42.738N–.00 13.283E–.00 13–0 2.2L ¶616602537

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 08 09 34 55.1–.12 43.060N–.00 13.108E–.00 6–0 1.4L ¶610274071

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 08 11 34 40.0–.11 43.025N–.00 13.140E–.00 8–0 1.1L ¶616602538

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 08 11 35 19.6–.05 42.643N–.00 13.230E–.00 11–0 1.9L ¶610274085

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 08 12 31 48.0–.15 42.651N–.00 13.274E–.01 9–0 1.1L ¶616602539

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 08 12 32 42.8–.16 42.745N–.01 13.118E–.01 12–1 0.9L ¶610274482

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 08 16 31 33.8–.04 42.732N–.00 13.034E–.00 10–0 1.5L ¶616602540

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 08 16 32 21.1–.05 42.652N–.00 13.154E–.00 11–0 1.4L ¶610274507

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 08 16 41 51.2–.02 43.068N–.00 13.052E–.00 10–0 2.7L ¶610274508

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 08 16 42 38.0–.04 43.073N–.00 13.047E–.00 10–0 1.9L ¶616602541

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 08 20 31 00.2–.07 43.039N–.00 13.027E–.01 9–0 1.3L ¶616602542

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 08 20 31 29.4–.10 42.788N–.00 13.201E–.00 6–0 1.6L ¶610304997

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 09 03 07 25.4–.03 42.859N–.00 13.227E–.00 10–0 2.5L ¶616602543

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 09 03 08 15.4–.03 42.777N–.00 13.127E–.00 11–0 2.0L ¶610305042

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 09 03 13 48.2–.14 42.858N–.00 13.229E–.01 9–0 1.0L ¶616602544

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 09 03 14 21.9–.04 42.862N–.00 13.233E–.01 10–0 1.5L ¶610305043

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 09 05 34 52.3–.03 43.013N–.00 13.040E–.00 10–0 1.5L ¶616602545

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 09 05 35 16.9–.17 42.786N–.00 13.126E–.01 9–1 1.4L ¶610305059

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 09 08 14 50.3–.11 42.649N–.00 13.330E–.01 14–1 1.0L ¶616602546

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 09 08 15 30.5–.06 42.934N–.00 13.132E–.00 12–0 0.8L ¶610305079

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 09 09 42 23.1–.12 43.069N–.00 13.068E–.01 9–0 1.3L ¶610305299

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 09 09 43 21.8–.14 42.801N–.01 13.183E–.01 12–1 0.5L ¶616602794

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 09 09 43 51.2–.21 42.80N–.01 13.23E–.02 10–1 0.7L ¶616602795

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 09 09 57 28.0–.11 42.786N–.00 13.089E–.00 9–0 0.6L ¶610305300

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 09 09 57 41.4–.04 42.819N–.00 13.081E–.00 10–0 1.4L ¶616602547

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 09 10 03 46.2–.05 42.802N–.00 12.760E–.00 9–0 1.4L ¶616602548

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 09 10 04 19.9–.04 42.812N–.00 13.126E–.00 10–0 1.0L ¶610305301

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 09 10 35 27.1–.03 42.810N–.00 13.137E–.00 11–0 1.5L ¶610305304

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 09 10 35 50.0–.04 42.882N–.00 13.107E–.00 13–0 1.6L ¶616602549

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 09 11 26 14.8–.04 43.070N–.00 13.043E–.00 10–0 1.2L ¶616602550

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 09 11 26 54.3–.11 43.133N–.01 11.49E–.01 12–3 1.5L ¶616602551

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 09 11 27 36.3–.08 42.593N–.00 13.264E–.01 12–0 1.6L ¶610305313

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 09 11 43 19.8–.05 42.618N–.00 13.353E–.01 8–0 1.8L ¶616602552

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 09 11 43 49.9–.16 42.883N–.00 13.081E–.00 10–0 0.9L ¶610305314

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 09 12 15 02.3–.05 42.799N–.00 13.177E–.00 13–0 1.0L ¶616602553

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 09 12 15 58.0–.10 42.535N–.01 13.358E–.01 11–0 1.1L ¶610312578

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 09 12 51 14.7–.10 42.465N–.01 13.332E–.01 13–1 1.6L ¶616602554

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 09 12 52 14.1–.12 42.451N–.01 13.334E–.01 13–0 1.2L ¶610312584

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 09 15 18 50.5–.04 43.055N–.00 13.061E–.00 9–0 2.1L ¶610312611

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 09 15 31 50.2–.06 43.460N–.00 12.348E–.01 10–0 1.2L ¶616602556

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 09 15 32 39.3–.09 43.029N–.00 13.022E–.01 8–0 1.4L
¶610312614

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 09 18 24 24.6–.03 42.813N–.00 13.130E–.00 10–0 1.9L
¶616602555

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 09 18 24 45.0–.06 42.616N–.00 13.340E–.01 7–0 2.2L
¶610312600

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 09 19 31 08.4–.07 42.998N–.00 13.027E–.01 8–0 1.2L
¶616602557

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 09 19 31 21.7–.11 42.454N–.00 13.367E–.01 13–0 2.0L
¶610315713

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 09 20 58 56.2–.03 42.964N–.00 13.048E–.00 11–0 1.2L
¶616602558

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 09 20 59 27.4–.05 42.747N–.00 13.032E–.00 11–0 1.1
¶610315723

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 09 23 42 19.2–.05 43.012N–.00 13.026E–.00 8–0 1.4L
¶616602559

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 09 23 42 48.7–.05 42.794N–.00 13.181E–.00 10–0 1.5L
¶610316817

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 10 06 48 06.0–.08 42.885N–.00 13.172E–.00 6–0 1.3L
¶616602560

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 10 06 48 16.3–.10 42.656N–.00 13.237E–.01 12–0 1.5L
¶610316879

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 10 07 33 18.5–.05 42.623N–.00 13.350E–.01 8–0 1.8L
¶610316886

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 10 07 34 05.2–.05 42.867N–.00 12.921E–.01 11–0 0.9L
¶616602561

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 10 07 52 11.3–.13 42.618N–.00 13.227E–.01 12–1 0.9L
¶616602562

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 10 07 52 33.5–.09 42.738N–.00 13.245E–.01 14–0 1.1L
¶610316893

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 10 08 03 53.5–.03 43.078N–.00 13.036E–.00 13–0 1.5L
¶616602563

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 10 08 04 31.9–.05 43.071N–.00 13.044E–.00 14–0 1.6L
¶616602564

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 10 08 05 25.2–.17 42.803N–.00 12.909E–.01 9–0 0.7L
¶610316895

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 10 08 40 00.2–.04 43.022N–.00 13.124E–.00 9–0 1.6L
¶616602565

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 10 08 40 43.2–.05 43.030N–.00 13.039E–.00 10–0 1.6L
¶610316900

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 10 09 14 30.2–.08 43.025N–.00 13.039E–.01 8–0 1.3L
¶616602566

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 10 09 15 00.2–.05 42.720N–.00 13.191E–.00 12–0 1.4L
¶610316989

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 10 17 35 05.1–.10 42.620N–.01 13.340E–.01 8–0 1.1L
¶610321379

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 10 23 06 09.6–.08 42.579N–.00 13.275E–.01 11–0 1.1L
¶616602567

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 10 23 07 05.9–.09 43.035N–.00 13.032E–.01 8–0 1.0L
¶610323111

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 11 00 21 35.6–.05 43.029N–.00 13.034E–.00 10–0 1.9L
¶616602568

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 11 00 21 47.1–.03 42.779N–.00 13.137E–.00 10–0 1.7L
¶610323161

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 11 02 29 24.9–.06 42.900N–.00 12.859E–.01 10–0 1.0L
¶616602569

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 11 02 30 01.7–.04 43.390N–.00 12.616E–.00 10–0 1.2L
¶610323179

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 11 09 08 53.7–.09 42.605N–.00 13.326E–.01 10–0 1.1L
¶616602572

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 11 09 09 32.4–.12 42.822N–.00 13.058E–.00 10–0 0.9L
¶610323427

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 11 10 18 39.6–.30 42.65N–.01 13.20E–.01 16–2 1.8L
¶616602570

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 11 10 19 12.2–.09 42.780N–.00 13.150E–.00 12–0 1.3L
¶610323372

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 11 12 33 35.5–.07 42.815N–.00 13.053E–.00 6–0 0.8
¶610323419

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 11 13 10 22.7–.07 43.051N–.00 13.058E–.00 7–0 2.3L
¶616602571

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 11 13 10 57.2–.15 43.073N–.00 13.055E–.00 6–0 1.9L
¶610323383

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 11 17 28 13.6–.06 42.507N–.00 13.400E–.00 9–0 1.3L
¶610325502

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 12 06 08 54.5–.12 43.046N–.01 12.999E–.01 9–0 1.5L
¶616602573

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 12 06 09 32.5–.12 43.048N–.01 13.001E–.01 9–0 1.5L
¶610325579

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 12 07 14 41.9–.04 42.728N–.00 13.188E–.00 9–0 2.2L
¶616602574

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 12 07 15 23.7–.04 42.738N–.00 13.187E–.00 12–0 1.2L
¶610325589

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 12 07 59 19.5–.09 42.797N–.00 13.200E–.01 10–0 1.6L
¶616602575

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 12 08 00 10.9–.03 43.019N–.00 13.113E–.00 9–0 1.5L
¶610325598

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 12 09 43 52.8–.14 42.747N–.01 13.188E–.01 10–0 1.3L
¶616602576

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 12 09 44 26.0–.07 43.013N–.00 13.102E–.01 9–0 2.0L
¶610325604

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 12 12 44 13.0–.12 43.458N–.00 12.344E–.01 8–0 0.9L
¶616602577

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 12 12 44 42.8–.09 42.875N–.00 13.033E–.00 9–0 0.9L
¶610325632

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 12 12 47 43.1–.06 43.025N–.00 13.143E–.00 8–0 1.2L
¶616602578

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 12 12 47 57.8–.06 42.806N–.00 13.210E–.00 14–0 1.3L
¶610325633

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 12 17 25 25.1–.20 42.782N–.01 13.148E–.01 10–1 1.3L,1.0
¶616602579

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 12 17 25 59.2–.05 43.057N–.00 13.031E–.01 9–0 1.5L
¶610325677

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 12 17 44 50.5–.07 42.702N–.00 13.242E–.01 12–0 1.3L
¶616602580

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 12 17 45 32.1–.05 42.746N–.00 13.262E–.00 14–0 1.1L ¶610325683

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 12 19 28 12.2–.08 42.897N–.00 13.153E–.00 15–0 0.8L ¶616602581

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 12 19 28 42.7–.16 42.999N–.00 13.033E–.01 3–2 0.9L ¶610326029

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 12 20 33 48.2–.12 42.397N–.00 13.386E–.01 4–1 1.0L ¶616602582

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 12 20 34 10.2–.04 42.817N–.00 12.962E–.01 11–0 1.2L ¶610326046

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 12 22 31 57.8–.06 42.945N–.00 13.047E–.00 8–0 1.3L ¶616602583

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 12 22 32 37.1–.06 42.805N–.00 12.889E–.01 10–0 0.9L ¶610326061

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 13 01 32 44.0–.05 42.788N–.00 12.739E–.00 8–0 3.0L ¶610326169

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 13 02 00 23.8–.05 43.024N–.00 13.008E–.00 6–0 1.3L ¶616602590

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 13 02 01 07.7–.03 42.956N–.00 13.116E–.00 10–0 1.3L ¶610326175

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 13 02 22 21.6–.09 42.621N–.00 13.362E–.00 6–0 1.0L ¶616602591

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 13 02 23 15.0–.04 42.800N–.00 13.155E–.00 10–0 1.0L ¶610326179

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 13 02 58 08.9–.03 42.765N–.00 13.061E–.00 11–0 1.3L ¶610326094

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 13 02 59 02.6–.03 42.799N–.00 13.085E–.00 11–0 1.3L ¶616602586

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 13 04 27 09.8–.06 43.035N–.00 13.019E–.01 7–0 1.1L ¶616602587

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 13 04 27 27.3–.15 43.58N–.01 10.97E–.01 7–2 0.5L ¶610326123

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 13 04 39 23.1–.14 42.761N–.00 13.195E–.01 13–0 1.3L ¶616602588

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 13 04 39 59.1–.06 42.766N–.00 13.054E–.01 11–0 0.9L ¶610326132

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 13 05 53 58.2–.03 42.767N–.00 13.066E–.00 11–0 1.6L ¶616602589

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 13 05 54 48.7–.06 42.574N–.00 13.226E–.00 10–0 1.3L ¶610326150

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 13 06 29 04.6–.11 42.972N–.00 13.255E–.01 5–0 1.2L ¶616602584

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 13 06 29 36.0–.03 42.768N–.00 13.063E–.00 11–0 0.9L ¶616602585

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 13 06 30 01.6–.08 42.769N–.00 13.061E–.00 9–0 0.6L ¶610326080

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 13 07 08 28.2–.08 42.799N–.00 13.077E–.01 10–0 1.0L ¶610326088

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 13 08 28 39.0–.03 42.768N–.00 13.066E–.00 11–0 1.3L ¶610326128

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 13 14 41 06.2–.05 42.770N–.00 13.290E–.00 16–0 1.2L ¶616602594

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 13 14 41 58.4–.44 42.80N–.02 13.04E–.01 12–4 0.8L ¶610327078

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 13 16 08 52.0–.05 42.533N–.00 13.340E–.00 11–0 1.1L ¶616602595

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 13 16 09 11.0–.10 42.989N–.01 13.044E–.01 10 1.1L ¶610327089

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 13 17 08 51.5–.07 43.065N–.00 13.045E–.01 10–0 1.9L ¶616602593

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 13 17 09 34.5–.03 42.869N–.00 13.050E–.00 10–0 1.6L ¶610327065

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 13 18 02 48.4–.16 42.498N–.01 13.324E–.01 12–1 1.2L ¶610327112

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 13 18 11 13.0–.29 42.614N–.01 13.25E–.03 7 0.6L ¶616602596

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 13 18 12 02.1–.07 42.514N–.00 13.365E–.01 11–0 1.6L ¶610327115

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 13 18 46 10.3–.06 42.534N–.00 13.308E–.01 11–0 1.3L ¶616602592

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 13 18 46 46.6–.07 43.062N–.00 13.069E–.01 9–0 1.1L ¶610327054

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 13 18 51 50.0–.03 42.766N–.00 13.064E–.00 11–0 1.1L ¶616602597

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 13 18 52 44.6–.08 42.764N–.01 13.057E–.01 11–0 1.7L ¶610327140

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 13 20 29 27.1–.04 43.056N–.00 13.075E–.00 10–0 0.7L ¶616602598

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 13 20 30 06.8–.14 42.783N–.01 13.197E–.01 8–0 1.1L ¶610327159

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 13 21 00 59.2–.05 42.896N–.00 13.143E–.00 12–0 1.1L ¶616602599

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 13 21 01 37.7–.03 42.917N–.00 13.036E–.00 11–0 1.0L ¶610327607

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 13 22 27 26.4–.10 42.767N–.00 13.065E–.00 10–0 1.7L ¶616602600

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 13 22 28 23.1–.08 42.770N–.00 13.066E–.00 9–0 1.0L ¶610327626

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 13 23 24 30.9–.13 42.768N–.00 13.069E–.00 10–0 1.3L ¶610327634

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 14 00 02 44.8–.04 42.719N–.00 13.251E–.01 11–0 1.5L ¶616602604

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 14 00 03 42.1–.07 43.046N–.00 12.998E–.01 10–0 1.6L ¶610327654

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 14 00 19 21.2–.05 42.907N–.00 13.129E–.00 9–0 1.8L ¶616602605

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 14 00 20 18.8–.05 42.770N–.00 13.061E–.00 11–0 1.5L ¶610327657

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 14 01 00 04.6–.03 42.768N–.00 13.161E–.00 13–0 1.2L ¶616602606

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 14 01 00 25.6–.04 42.766N–.00 13.066E–.00 11–0 1.4L ¶610327666

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 14 01 22 45.9–.04 42.768N–.00 13.065E–.00 10–0 1.5L ¶616602607

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 14 01 23 43.5–.16 43.015N–.00 13.009E–.01 5–1 1.3L
¶610327677

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 14 03 30 56.9–.16 43.040N–.00 13.016E–.01 3–1 1.4L
¶616602602

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 14 03 31 20.8–.06 42.828N–.00 13.218E–.00 14–0 1.5L
¶610327647

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 14 04 47 11.1–.09 42.793N–.00 13.249E–.00 16–0 0.6L
¶610327674

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 14 09 23 08.4–.02 42.816N–.00 13.121E–.00 10–0 1.6L
¶616602609

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 14 09 24 02.1–.05 42.700N–.00 13.143E–.00 11–0 1.3L
¶610328160

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 14 10 24 59.1–.04 42.765N–.00 13.066E–.00 10–0 1.5L
¶616602608

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 14 10 25 32.5–.09 43.045N–.00 13.009E–.01 4–0 1.3L
¶610328152

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 14 11 57 04.0–.03 42.858N–.00 12.907E–.00 11–0 1.5L
¶616602610

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 14 11 58 03.7–.05 42.362N–.00 13.345E–.01 10–0 1.9L
¶610328166

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 14 12 53 18.4–.09 42.574N–.00 13.208E–.00 15–0 1.5L
¶610328595

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 14 12 57 32.3–.04 42.770N–.00 13.067E–.00 11–0 1.4L
¶610328596

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 14 13 29 02.1–.05 43.046N–.00 13.003E–.00 10–0 2.1L
¶610328594

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC III 14 15 57 13.4–.70 42.93N–.01 13.15E–.01 9–4 3.5b 287 0-67
LDG III 14 15 57 13.6–.14 42.91N 13.16E 9 3.3L **¶610328630**
ROM III 14 15 57 13.1–.02 42.915N–.00 13.148E–.00 8–0 3.5L
IDC III 14 15 57 13.8–1.4 43.09N 13.04E 0 3.5L,3.4
PRU III 14 15 57 16.3–.00 43.01N 13.15E 10 3.5L,3.4
BEO III 14 15 57 17.0–1.0 42.95N 13.27E 0 3.6L,3.4
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=3.0km s-min=2.9km az=149.0.
ROM Event type se. Error ellipse: s-maj=0.2km s-min=0.0km az=253.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
IDC Error ellipse: s-maj=48.9km s-min=14.8km az=99.0.
BEO Event type ke.
ROM III 14 16 14 41.1–.03 42.767N–.00 13.062E–.00 10–0 1.7L
¶616602611

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 14 16 15 17.8–.09 42.922N–.00 13.158E–.00 7–0 1.4L
¶610328633

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 14 16 16 38.5–.08 42.764N–.00 13.064E–.01 10–0 1.2L
¶616602612

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 14 16 17 18.4–.05 42.651N–.00 13.259E–.00 12–0 1.2L
¶610328635

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 14 17 08 31.6–.03 42.767N–.00 13.068E–.00 11–0 1.1L
¶616602613

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 14 17 09 12.9–.03 42.970N–.00 13.101E–.00 10–0 1.4L
¶610328643

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC III 14 17 15 18.2–.75 42.37N–.02 13.34E–.02 12–4 219 0-48
LDG III 14 17 15 17.4–.11 42.35N 13.34E 10 2.9L **¶610328648**
ROM III 14 17 15 17.5–.06 42.363N–.00 13.344E–.00 10–0 3.2L
IDC III 14 17 15 19.2–2.0 42.62N 13.43E 0 3.3,3.3b
PRU III 14 17 15 20.7–.00 42.42N 13.68E 10 3.3,3.3b
BEO III 14 17 15 24.8–2.0 42.49N 13.34E 104–6 3.1L,3.3b
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=3.9km s-min=2.4km az=43.0.
ROM Event type se. Error ellipse: s-maj=0.4km s-min=0.3km az=153.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
IDC Error ellipse: s-maj=49.6km s-min=20.2km az=92.0.
BEO Event type ke.
ROM III 14 17 51 45.0–.07 42.368N–.00 13.344E–.01 10–0 1.7L
¶616602614

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 14 17 51 52.3–.05 43.463N–.00 12.614E–.00 12–0 1.1L
¶610328655

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 14 20 50 06.6–.05 42.796N–.00 13.238E–.00 15–0 0.9L
¶610329074

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 14 21 08 28.2–.06 42.622N–.00 13.233E–.01 11–0 1.6L
¶616602615

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 14 21 09 02.1–.06 42.622N–.00 13.231E–.00 13–0 1.6L
¶610329077

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 14 21 56 25.8–.11 43.048N–.00 13.011E–.01 5–0 1.0L
¶616602617

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 14 21 56 49.7–.04 42.811N–.00 13.116E–.00 11–0 1.2L
¶616602616

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 14 21 57 08.0–.05 42.885N–.00 13.036E–.00 11–0 0.9L
¶610329085

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 14 21 58 31.0–.11 42.812N–.00 13.116E–.00 10–0 1.2L
¶616602618

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 14 21 59 30.3–.14 43.007N–.00 13.082E–.01 6–1 1.0L
¶610329086

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 15 01 11 10.4–.02 42.890N–.00 13.045E–.00 11 1.2L
¶616602627

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 15 01 11 44.1–.07 42.847N–.00 13.239E–.00 14–0 0.9L
¶610329141

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 15 01 29 17.4–.09 42.812N–.00 13.143E–.00 9–0 1.4L
¶616602628

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 15 01 29 55.1–.12 42.808N–.00 13.115E–.00 10–0 0.5L
¶616602629

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 15 01 30 41.7–.14 42.555N–.01 13.295E–.01 14–1 0.9L
¶610329143

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 15 02 12 58.5–.04 42.684N–.00 13.185E–.00 12–0 1.1L
¶616602622

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 15 02 13 47.0–.11 42.521N–.00 13.304E–.01 13–0 1.0L
¶610329110

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 15 02 23 18.0–.11 42.922N–.00 13.218E–.00 9–0 1.1L
¶616602624

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 15 02 23 53.4–.02 42.813N–.00 13.050E–.00 11–0 1.3L
¶610329120

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 15 02 35 56.3–.07 42.968N–.00 13.057E–.00 13–0 0.9L
¶610329098

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 15 02 36 54.8–.05 42.769N–.00 13.162E–.00 13–0 1.4L
¶616602619

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 15 02 37 31.4–.06 42.631N–.00 13.354E–.00 4–0 1.4L
¶616602620

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 15 02 59 18.4–.06 43.044N–.00 13.042E–.00 9–0 1.0L
¶616602621

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 15 03 00 05.8–.03 42.854N–.00 13.080E–.00 12–0 1.5L
¶610329108

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 15 03 13 45.8–.04 42.764N–.00 13.133E–.00 11–0 1.4L
¶616602623

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 15 03 14 06.6–.03 42.939N–.00 13.002E–.00 12–0 1.0L
¶610329114

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 15 03 36 36.3–.06 42.708N–.00 13.155E–.00 11–0 1.4L
¶616602626

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 15 03 36 48.7–.05 42.548N–.00 13.308E–.00 14–0 1.5L
¶610329136

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 15 04 16 17.9–.04 43.009N–.00 13.049E–.00 11–0 1.5L **¶616602625**

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 15 04 16 45.5–.10 42.990N–.00 13.125E–.00 8–0 1.0L **¶610329130**

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 15 04 51 19.3–.06 42.570N–.00 13.329E–.01 11–0 1.7L **¶616602630**

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 15 04 51 44.5–.02 42.810N–.00 13.124E–.00 11–0 1.7L **¶610329151**

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 15 04 59 28.0–.02 42.767N–.00 13.064E–.00 11–0 2.3L **¶616602631**

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 15 05 00 06.2–.04 42.770N–.00 13.062E–.00 9–0 1.8L **¶610329154**

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 15 16 39 58.3–.03 42.765N–.00 13.070E–.00 10–0 2.2L **¶616602632**

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 15 16 40 57.3–.04 42.860N–.00 13.165E–.00 12–0 2.1L **¶610329402**

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 15 21 10 18.6–.03 42.738N–.00 13.188E–.00 11–0 1.5L **¶616602633**

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 15 21 11 09.4–.03 42.890N–.00 13.034E–.00 11–0 1.2L **¶610329582**

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 15 22 20 46.3–.04 43.008N–.00 13.123E–.00 10–0 1.2L **¶616602634**

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 15 22 21 35.9–.13 42.691N–.00 13.251E–.01 12–1 1.0L **¶610329590**

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 16 08 12 28.7–.05 42.777N–.00 13.206E–.00 9–0 1.1L **¶616602635**

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 16 14 29 12.6–.04 43.098N–.00 13.201E–.00 9–0 2.4L **¶616602637**

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 16 14 30 03.6–.38 42.945N–.01 13.11E–.01 10–1 1.5L **¶610330733**

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 16 15 00 05.3–.03 42.771N–.00 13.064E–.00 11–0 1.3L **¶616602638**

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 16 15 00 41.1–.11 42.799N–.01 13.104E–.01 10–0 0.8L **¶610330736**

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 16 16 10 39.9–.11 42.621N–.01 13.326E–.01 9–0 1.3L **¶610330749**

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 16 16 41 21.6–.05 43.084N–.00 12.999E–.00 14–0 1.5L **¶616602639**

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 16 16 42 12.6–.08 43.044N–.00 13.103E–.01 9–0 1.1L **¶610330751**

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 16 17 52 51.3–.06 42.686N–.00 13.185E–.00 12–0 0.9L **¶616602640**

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 16 17 53 44.6–.13 43.024N–.00 13.030E–.01 6–0 0.9L **¶610330757**

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 16 20 52 01.1–.13 42.670N–.00 13.230E–.01 13–1 1.1L **¶616602641**

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 16 20 53 00.6–.08 42.624N–.00 13.373E–.00 9–0 0.9L **¶610331422**

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 16 21 19 27.5–.19 42.992N–.00 13.031E–.01 6–1 1.1L **¶616602642**

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 16 21 19 55.8–.05 43.025N–.00 13.054E–.00 10–0 1.0L **¶610331428**

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 16 21 50 21.1–.04 42.937N–.00 13.022E–.00 11–0 1.3L **¶616602643**

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 16 21 50 41.5–.05 42.932N–.00 13.021E–.00 10–0 1.4L **¶610331437**

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 17 01 15 36.8–.07 42.629N–.00 13.354E–.00 6–0 1.1L **¶616602644**

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 17 01 16 00.3–.05 42.849N–.00 13.003E–.01 11–0 0.7L **¶610331480**

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 17 01 33 33.8–.27 42.599N–.00 13.28E–.01 7–1 0.9L **¶610331481**

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 17 02 40 59.2–.05 42.847N–.01 13.085E–.01 11 0.9L **¶616602645**

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 17 02 41 41.1–.05 42.759N–.00 13.147E–.01 10–0 1.3L **¶616602646**

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 17 02 41 58.3–.05 42.875N–.00 13.233E–.00 10–0 1.1L **¶610331488**

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 17 02 57 26.1–.14 43.020N–.00 13.080E–.01 2–1 0.9L **¶616602647**

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 17 02 58 23.1–.09 42.814N–.00 13.171E–.00 10–0 1.0L **¶616602649**

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 17 02 59 10.8–.03 42.792N–.00 13.187E–.00 11 1.0L **¶610331490**

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 17 04 42 24.7–.07 42.535N–.00 13.295E–.01 14–0 1.9L **¶616602650**

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 17 04 43 03.9–.08 42.534N–.00 13.305E–.00 15–0 1.5L **¶616602651**

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 17 04 43 43.9–.08 42.925N–.00 13.160E–.00 7–0 0.9L **¶610331506**

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 17 06 51 24.9–.05 42.728N–.00 13.112E–.01 12–0 0.9L **¶616602652**

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 17 06 51 51.6–.03 42.910N–.00 13.033E–.00 11–0 1.2L **¶610331531**

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 17 08 32 58.5–.04 42.781N–.00 13.175E–.00 10–0 1.1L **¶616602653**

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 17 08 33 33.7–.05 42.912N–.00 13.164E–.00 8–0 1.5L **¶610331554**

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 17 08 49 29.9–.09 42.905N–.00 13.149E–.01 16–0 0.8L **¶616204872**

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 17 09 11 40.0–.04 42.824N–.00 13.167E–.00 13–0 1.6L **¶616602654**

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 17 09 12 25.4–.05 42.882N–.00 13.022E–.00 10–0 1.2L **¶610331609**

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 17 09 13 10.2–.08 42.695N–.00 13.26E–.01 10–0 0.5L **¶616602655**

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 17 09 13 56.5–.04 42.742N–.00 13.189E–.00 11–0 1.1L **¶610331610**

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 17 09 26 59.5–.09 42.793N–.00 13.147E–.01 8–0 1.1L **¶616602656**

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 17 09 27 57.6–.03 42.923N–.00 13.146E–.00 11–0 1.5L **¶610331611**

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 17 12 10 31.0–.03 42.782N–.00 13.063E–.00 11–0 1.6L **¶616602659**

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 17 12 11 09.9–.13 42.647N–.01 13.357E–.01 9–1 0.8L ¶610339896

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 17 12 18 40.8–.05 42.558N–.00 13.344E–.01 10–0 1.7L ¶616602660

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 17 12 19 32.8–.14 42.849N–.00 13.013E–.01 10–0 0.9L ¶616602661

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 17 12 20 04.3–.19 43.003N–.00 13.021E–.01 6–1 0.8L ¶610339897

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 17 12 42 29.2–.07 42.517N–.00 13.397E–.01 9–0 1.1L ¶616602662

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 17 12 43 19.2–.05 43.003N–.00 13.027E–.01 8–0 1.5L ¶610339902

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 17 12 53 44.2–.04 43.003N–.00 13.028E–.00 9–0 1.6L ¶616602663

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 17 12 54 17.6–.21 43.006N–.00 13.053E–.01 2–3 1.2L ¶610339905

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 17 17 05 49.2–.10 42.863N–.00 13.333E–.01 24–0 2.3L ¶616602664

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 17 17 06 47.3–.08 42.864N–.00 13.338E–.01 24–0 2.6L ¶610339947

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 17 17 28 47.8–.05 42.904N–.00 13.203E–.00 8–0 1.4L ¶616602665

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 17 17 29 30.8–.07 42.906N–.00 13.196E–.00 6–0 0.9L ¶610339951

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 17 18 17 03.0–.06 42.769N–.00 13.255E–.01 10–0 1.5L ¶610339884

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 17 18 17 34.0–.10 42.865N–.00 13.338E–.01 24–0 2.0L ¶616602657

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 17 18 59 04.7–.05 42.829N–.00 13.095E–.00 11–0 1.1L ¶616602658

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 17 18 59 25.6–.04 42.830N–.00 13.103E–.00 12–0 1.5L ¶610339892

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 17 20 43 56.0–.11 42.870N–.00 13.344E–.01 25–0 0.7L ¶616602666

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 17 20 44 22.6–.03 42.779N–.00 13.098E–.00 10–0 1.6L ¶610344598

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 18 01 29 46.0–.04 42.809N–.00 13.111E–.00 11–0 1.3L ¶616602667

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 18 01 30 18.8–.04 42.807N–.00 13.111E–.00 11–0 1.6L ¶610344639

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 18 02 34 55.7–.05 42.766N–.00 13.273E–.00 13–0 1.0L ¶610344652

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 18 02 36 51.2–.04 42.726N–.00 13.193E–.00 11–0 1.2L ¶610344653

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 18 03 04 29.5–.10 42.619N–.00 13.223E–.01 13–1 0.8L ¶616602668

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 18 03 04 59.9–.06 42.646N–.00 13.297E–.01 13–0 1.2L ¶616602669

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 18 03 05 52.1–.16 42.721N–.00 13.198E–.01 13–2 1.0L ¶610344659

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 18 03 54 51.4–.12 43.050N–.00 13.005E–.01 4–0 1.3L ¶616602670

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 18 03 55 30.3–.06 42.621N–.00 13.212E–.01 10–0 1.1L ¶610344667

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 18 04 51 01.6–.04 43.014N–.00 13.027E–.00 9–0 2.9L
PRU III 18 04 51 02.5–.00 42.93N 13.77E 10 2.9L ¶610344740

ROM Event type se. Error ellipse: s-maj=0.3km s-min=0.1km az=77.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 18 08 42 59.1–.06 43.022N–.00 13.033E–.01 9–0 1.7L ¶616602671

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 18 08 43 55.5–.14 43.016N–.00 13.032E–.01 7–1 1.4L ¶610344772

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 18 08 58 12.7–.06 42.535N–.00 13.334E–.01 10–0 1.6L ¶616602672

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 18 08 58 33.2–.08 43.019N–.00 13.030E–.01 10–0 1.5L ¶610344774

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 18 09 00 03.0–.06 43.019N–.00 13.027E–.01 8–0 2.2L ¶616602678

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 18 09 00 58.3–.07 43.022N–.00 13.036E–.01 10–0 1.5L ¶610345850

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 18 10 00 16.4–.09 43.034N–.00 13.017E–.01 9–0 1.4L ¶616602679

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 18 10 00 43.6–.17 42.852N–.00 12.933E–.01 12–2 0.8L ¶610345863

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 18 17 33 23.3–.06 42.553N–.00 13.343E–.00 10–0 1.8L ¶616602680

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 18 17 33 58.7–.06 43.051N–.00 13.049E–.00 10–0 2.0L ¶610345922

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 18 18 59 32.9–.12 43.037N–.00 13.018E–.01 3–1 1.4L ¶616602673

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 18 19 00 16.0–.07 42.818N–.00 13.192E–.00 14–0 1.3L ¶610345791

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 18 19 01 47.9–.05 42.804N–.00 13.084E–.00 11–0 0.9L ¶610345793

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 18 21 51 17.5–.04 42.747N–.00 13.178E–.00 10–0 1.4L ¶616602675

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 18 21 51 27.5–.04 42.601N–.00 13.226E–.00 13–0 1.6L ¶610345823

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 18 22 02 02.1–.12 42.781N–.01 12.760E–.01 8–0 1.2L ¶616602676

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 18 22 03 00.4–.06 42.694N–.00 13.227E–.00 11–0 1.2L ¶610345824

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 18 22 44 58.8–.18 42.862N–.01 13.160E–.01 10–0 1.6L ¶616602677

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 18 22 45 09.3–.05 42.604N–.00 13.251E–.00 11–0 1.5L ¶610345831

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 18 23 34 56.0–.03 42.903N–.00 13.062E–.00 10–0 1.2L ¶610345822

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 18 23 35 44.5–.05 42.748N–.00 13.267E–.00 14–0 1.0L ¶616602674

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 19 01 15 11.9–.09 42.989N–.01 13.119E–.01 10–0 1.5L ¶616602681

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 19 01 15 40.4–.05 42.865N–.00 13.092E–.00 11–0 1.1L ¶610345948

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 19 03 47 35.6–.04 42.805N–.00 13.143E–.00 11–0 1.5L ¶616602682

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 19 03 48 18.4–.03 42.771N–.00 13.066E–.00 11–0 1.5L
¶610345961

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 19 04 29 49.4–.04 42.800N–.00 13.124E–.00 11–0 1.5L
¶616602683

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 19 04 30 29.0–.27 42.942N–.01 13.026E–.01 10–1 1.1L
¶610345971

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 19 06 31 49.6–.13 42.854N–.00 13.229E–.01 6–1 0.8L
¶616602684

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 19 06 32 47.7–.05 42.737N–.00 13.236E–.00 12–0 2.0L
¶610345988

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 19 09 48 43.7–.05 43.021N–.00 13.031E–.00 8–0 1.4L
¶616602685

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 19 09 49 12.9–.06 42.506N–.00 13.399E–.00 10–0 1.4L
¶610346011

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 19 10 37 10.8–.11 43.012N–.00 13.032E–.00 5–0 1.0L
¶616602686

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 19 10 37 39.9–.12 43.025N–.00 13.027E–.01 8–0 0.9L
¶616602687

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 19 10 38 32.2–.04 43.355N–.00 12.612E–.00 10–0 0.9L
¶610346016

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 19 11 13 40.5–.04 42.873N–.00 13.182E–.00 9–0 1.5L
¶616602688

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 19 11 13 58.2–.13 43.006N–.00 13.140E–.00 6–1 1.6L
¶610346024

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 19 11 18 47.1–.05 42.621N–.00 13.229E–.00 12–0 1.2L
¶616602689

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 19 11 19 26.6–.05 42.494N–.00 13.304E–.00 12–0 1.5L
¶610346025

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 19 11 55 55.0–.03 42.725N–.00 13.200E–.00 11–0 1.7L
¶616416681

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 19 11 56 14.6–.06 42.720N–.00 13.250E–.00 14–0 1.7L
¶610346031

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 19 12 50 12.2–.04 42.881N–.00 13.048E–.00 11–0 1.3L
¶616602690

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 19 12 51 05.3–.06 42.651N–.00 13.305E–.00 10–0 0.8L
¶610346041

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 19 15 46 44.1–.07 43.258N–.00 13.060E–.01 14–0 1.5L
¶616602691

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 19 15 47 15.7–.09 43.068N–.00 13.052E–.00 7–0 1.8L
¶610346065

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 19 17 11 08.5–.08 42.608N–.00 13.339E–.00 8–0 1.1L
¶616602692

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 19 17 11 51.5–.05 42.875N–.00 13.030E–.00 10–0 1.0L
¶610346071

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 19 21 00 19.3–.03 42.768N–.00 13.066E–.00 11–0 1.4L
¶616602693

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 19 21 00 59.3–.02 42.767N–.00 13.067E–.00 11–0 1.4L
¶610346163

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 20 00 44 11.4–.05 42.895N–.00 13.169E–.00 14–0 1.2L
¶616602694

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 20 00 44 35.3–.04 42.954N–.00 13.129E–.00 10–0 1.2L
¶610346317

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 20 01 35 53.0–.07 42.837N–.01 11.569E–.01 8–0 1.3L
¶616602695

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 20 01 36 33.2–.04 42.943N–.00 13.043E–.00 11–0 1.1L
¶610346324

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 20 01 45 30.9–.05 42.798N–.00 12.889E–.01 11–0 1.0L
¶616602696

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 20 01 45 46.6–.05 43.021N–.00 13.094E–.00 9–0 1.4L
¶610346325

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 20 04 32 38.6–.08 42.997N–.00 13.034E–.00 9–0 1.7L
¶616602697

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 20 04 33 28.2–.03 42.906N–.00 13.058E–.00 11 1.5L
¶610346346

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC III 20 05 02 41.7–.66 42.57N–.01 13.31E–.01 10–4 3.6b 472 0-67
ROM III 20 05 02 41.2–.03 42.564N–.00 13.323E–.00 9–0 3.6L,3.5W **¶610346352**
PRU III 20 05 02 41.9–.00 42.64N 13.35E 0 4.1,3.5W
LDG III 20 05 02 41.0–.10 42.54N 13.32E 10 3.3L,3.5W
PDG III 20 05 02 41.9–.47 42.57N 13.31E 8–0 3.6L,3.5W
NEIC III 20 05 02 42.0–2.2 42.60N–.03 13.29E–.05 10–1 4.1b,3.5W
IDC III 20 05 02 43.0–1.2 42.73N 13.46E 0 3.4,3.4L
BEO III 20 05 02 44.0–2.3 42.49N 13.01E 69–5 3.2L,3.4L
ISC Event type ke.
ROM Event type se. Error ellipse: s-maj=0.2km s-min=0.1km az=72.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1. Moment Tensor Solution.
Moment tensor: Scale 10^{14}Nm; M_{rr}-0.01 $M_{\theta\theta}$-2.00 $M_{\phi\phi}$2.01 $M_{r\theta}$-0.05 $M_{\theta\phi}$-0.94 $M_{\phi r}$0.14 NP1:
ϕ_s33.00000°,δ87.00000°,λ2.00000°. NP2:ϕ_s302.00000°,δ88.00000°,λ177.00000°.
$M_0$2.21983×10^{14}
LDG Event type ke. Error ellipse: s-maj=3.6km s-min=2.3km az=45.0.
PDG Event type ke. Error ellipse: s-maj=0.4km s-min=0.4km az=0.0.
NEIC Event type se. Error ellipse: s-maj=7.4km s-min=3.0km az=230.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=27.2km s-min=12.5km az=99.0.
BEO Event type ke.
ROM III 20 09 31 40.9–.14 42.563N–.00 13.343E–.00 9–0 1.6L
¶616602698

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 20 09 32 16.0–.03 42.709N–.00 12.849E–.00 11–0 1.7L
¶610347021

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 20 10 20 35.4–.06 42.927N–.00 13.226E–.00 8–0 0.9L
¶610347027

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 20 10 20 59.6–.08 42.524N–.00 13.397E–.01 10–0 1.2L
¶616602699

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 20 11 32 55.4–.04 43.006N–.00 13.063E–.00 10–0 1.5L
¶610347031

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 20 11 56 01.6–.05 42.975N–.00 13.134E–.00 9–0 1.2L
¶616602701

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 20 11 56 47.5–.11 42.464N–.01 13.288E–.01 7–1 1.2L
¶610347036

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 20 15 18 39.8–.16 43.023N–.00 13.037E–.01 6–1 1.1L
¶610385339

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 20 15 19 28.3–.03 42.902N–.00 13.030E–.00 11–0 1.1L
¶616602702

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC III 20 15 20 12.2–1.4 42.82N–.06 13.26E–.04 16–7 12 0-0
ROM III 20 15 20 12.2–.09 42.817N–.00 13.259E–.01 15–0 1.1 **¶616602703**
ISC Event type se.
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 20 16 37 51.4–.04 42.734N–.00 13.036E–.00 11–0 1.3L
¶616602704

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 20 16 38 40.3–.14 43.022N–.00 13.085E–.01 7–1 1.2L
¶610385348

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 20 18 39 45.6–.05 42.938N–.00 13.192E–.00 16–0 1.1L
¶616602705

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 20 18 40 33.6–.06 42.943N–.00 13.192E–.00 16–0 1.0L
¶610385369

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 20 19 34 08.3–.09 42.998N–.00 13.027E–.00 8–0 1.1L
¶616602706

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.

ROM III 20 19 34 47.9–.09 42.707N–.00 13.242E–.01 12–0 1.5L
¶610394176

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 20 23 48 46.1–.03 42.975N–.00 13.105E–.00 11 1.7L
¶610394216

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 21 06 10 27.2–.04 42.912N–.00 13.045E–.00 10–0 1.7L
¶616602707

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 21 06 50 01.9–.02 43.403N–.00 12.603E–.00 11–0 0.9L
¶616602708

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 21 06 50 21.8–.09 42.621N–.01 13.239E–.01 11–0 1.6L
¶610394246

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 21 09 30 39.6–.04 42.842N–.00 13.215E–.00 12–0 1.0L
¶610394885

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 21 12 12 58.9–.05 42.587N–.00 13.312E–.00 14–0 1.2L
¶616602710

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 21 12 13 53.3–.06 42.690N–.00 13.313E–.00 13–0 1.1L
¶610401439

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 21 13 13 33.5–.05 42.501N–.00 13.392E–.00 10–0 2.2L
¶616602711

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 21 13 14 25.3–.08 42.493N–.01 13.392E–.01 10–0 1.5L
¶610401444

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 21 16 37 54.2–.03 42.770N–.00 13.066E–.00 11–0 1.1,1.0L
¶610401470

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 21 16 38 54.0–.04 42.939N–.00 12.994E–.00 11–0 1.3L
¶616602712

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 21 21 17 42.1–.04 43.109N–.00 13.037E–.01 12–0 1.2L
¶616602713

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 21 21 18 38.1–.09 43.048N–.00 13.025E–.00 6–0 1.1L
¶610415884

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 21 22 31 37.1–.05 42.509N–.00 13.394E–.00 9–0 1.1L
¶610415893

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 21 23 22 32.4–.04 42.856N–.00 13.092E–.00 10–0 1.0L
¶616602715

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 21 23 23 05.1–.09 43.059N–.00 13.03E–.01 9–0 1.0L
¶610415900

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 21 23 44 02.9–.05 42.685N–.00 13.205E–.00 11–0 2.3L
¶616602716

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 21 23 44 38.5–.06 42.679N–.00 13.202E–.01 13–0 1.8L
¶610415904

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 22 00 19 12.4–.04 42.601N–.00 13.315E–.00 8–0 1.8L
¶610415909

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 22 00 19 53.8–.05 42.780N–.00 13.151E–.01 10–0 1.7L
¶616602717

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 22 00 21 51.7–.09 43.003N–.00 13.021E–.00 5–0 1.0,0.9L
¶610415911

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 22 00 21 57.7–.17 42.521N–.01 13.290E–.01 11–0 1.4L
¶616602718

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 22 01 01 16.7–.11 43.025N–.00 13.077E–.01 4–1 1.4L
¶616602719

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 22 01 01 53.9–.08 42.874N–.00 13.032E–.01 11–0 1.1L
¶610415917

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 22 01 44 38.7–.04 42.977N–.00 13.110E–.00 9–0 1.1L
¶616602720

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 22 01 45 26.9–.07 43.048N–.00 13.031E–.01 8–0 1.3L
¶610415921

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 22 02 02 40.9–.19 42.62N–.01 13.35E–.01 11–1 1.0L
¶616602721

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 22 02 03 30.3–.06 43.044N–.00 13.015E–.01 7–0 1.3L
¶610415928

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 22 02 45 35.7–.06 42.669N–.00 13.189E–.01 11–0 0.9L
¶616602722

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 22 02 46 33.2–.04 42.569N–.00 13.333E–.00 10–0 1.5L
¶610415932

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 22 05 29 03.1–.48 42.87N–.02 13.21E–.04 11–3 1.3L
¶616602723

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 22 05 29 30.8–.18 42.685N–.01 13.194E–.01 11–1 1.6L
¶610416122

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 22 07 25 55.1–.09 42.537N–.00 13.357E–.01 10–0 0.9L
¶616602724

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 22 07 26 39.9–.10 42.858N–.00 13.017E–.01 11–0 0.6L
¶610416137

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 22 08 13 41.3–.05 42.949N–.00 13.017E–.01 11–0 1.0L
¶610416145

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 22 09 34 54.7–.06 42.908N–.00 12.973E–.01 11–0 1.0L
¶610416522

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 22 10 24 31.4–.08 42.797N–.00 13.112E–.01 12–1 1.4L
¶616602726

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 22 10 25 19.1–.11 42.501N–.01 13.398E–.01 10–0 0.9L
¶610416528

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 23 02 22 02.4–.04 42.751N–.00 13.063E–.00 11–0 1.5L
¶616602727

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 23 02 22 43.6–.08 42.664N–.00 13.220E–.00 13–0 1.1L
¶610424514

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 23 05 50 14.3–.05 42.900N–.00 12.878E–.00 10–0 1.3L
¶610424532

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC III 23 05 50 49.8–.96 43.05N–.02 13.09E–.03 9–5 36 0-1
ROM III 23 05 50 49.6–.05 43.047N–.00 13.074E–.01 9–0 1.4L
¶616602728
ISC Event type se.
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 23 07 58 08.6–.04 42.936N–.00 13.032E–.00 11–0 1.4L
¶616602729

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 23 07 58 39.7–.04 42.858N–.00 12.943E–.00 11–0 1.1L
¶610424554

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 23 11 59 30.3–.10 42.816N–.00 13.094E–.00 8–0 0.7L
¶610424699

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 23 12 00 16.0–.13 43.061N–.00 13.102E–.01 5–1 1.0L
¶616602730

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 23 12 19 12.5–.05 43.045N–.00 13.059E–.00 10–0 1.0L
¶616602731

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 23 12 19 32.0–.05 42.706N–.00 13.159E–.00 11–0 1.2L
¶610431603

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 23 20 05 44.2–.04 42.796N–.00 13.058E–.00 11–0 2.2L
¶610434456

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 23 20 06 34.0–.03 42.797N–.00 13.060E–.00 11–0 2.0L
¶616602732

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 23 21 02 09.5–.11 42.662N–.01 13.332E–.01 10–0 1.4L
¶610434462

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 23 21 03 08.1–.06 43.016N–.00 13.032E–.01 8–0 2.1L

¶616602733
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 23 22 08 51.5–.12 42.810N–.00 13.133E–.01 9–0 1.5L
¶616602734
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 23 22 09 10.0–.05 43.014N–.00 13.024E–.00 8–0 1.6L
¶610434469
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 23 22 33 31.8–.06 43.013N–.00 13.020E–.01 9–0 2.3L
¶616602735
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 23 22 34 13.9–.10 42.642N–.01 13.255E–.01 13–0 2.1L
¶610434472
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 23 23 11 42.0–.04 43.011N–.00 13.027E–.00 8–0 2.8L
PRU III 23 23 11 42.9–.00 42.96N 13.94E 0 2.8L ¶610434479
ROM Event type se. Error ellipse: s-maj=0.3km s-min=0.1km az=72.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 24 01 25 45.9–.06 42.860N–.00 13.027E–.01 10–0 1.1L
¶616602511
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 24 02 56 09.0–.03 42.819N–.00 13.053E–.00 10–0 1.8L
¶616602736
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 24 02 57 04.5–.04 42.535N–.00 13.355E–.00 10–0 1.8L
¶610434511
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 24 04 40 17.2–.06 42.931N–.00 13.185E–.00 13–0 1.3L
¶616602737
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 24 04 40 49.7–.08 43.047N–.00 13.034E–.00 6–0 0.9L
¶610434523
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 24 06 24 39.2–.16 42.986N–.00 13.044E–.01 4–1 1.1L
¶610434534
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 24 06 25 17.3–.03 42.813N–.00 13.145E–.00 10–0 1.2L
¶616602738
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 24 07 50 19.0–.06 42.794N–.00 13.054E–.01 11–0 1.2L
¶610434546
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 24 07 50 23.0–.18 43.901N–.01 12.105E–.01 25–1 1.5L
¶616602739
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 24 08 06 30.0–.24 43.91N–.01 12.13E–.01 26–1 0.9L
¶614392555
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 24 08 06 47.3–.11 42.883N–.00 13.090E–.01 10–0 0.7L
¶614392558
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 24 09 39 45.4–.08 42.978N–.00 13.203E–.00 6–0 1.4L
¶610434578
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 24 09 40 25.2–.04 42.912N–.00 13.087E–.00 13–0 2.3L
¶616602740
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 24 14 57 51.6–.04 42.723N–.00 13.200E–.00 11–0 0.7
¶610434684
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 24 14 57 58.4–.06 42.723N–.00 13.202E–.01 10–0 2.7L
¶616602741
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 25 08 36 15.4–.16 42.854N–.00 13.070E–.01 10–0 1.2L
¶614392798
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 25 09 42 14.7–.15 42.821N–.00 13.12E–.01 13–1 0.8L
¶614392821
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 25 14 46 22.0–.14 42.965N–.00 13.231E–.01 8–0 1.7L
¶614392879
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 25 15 14 55.3–.04 42.746N–.00 13.233E–.00 12–0 1.6L
¶614392886
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 25 19 52 46.2–.10 42.799N–.00 13.156E–.01 10–0 0.8L
¶614392935
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 25 20 37 37.8–.07 42.803N–.00 13.177E–.00 12–0 0.9L
¶614392944

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 26 05 50 15.3–.09 43.705N–.01 12.112E–.01 10–0 1.0L
¶614392991
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 30 23 01 59.6–.03 43.012N–.00 13.027E–.00 9–0 2.4L
¶610460774
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 30 23 02 36.7–.04 42.783N–.00 12.763E–.00 10–0 1.7L
¶616602745
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IV 01 08 23 53.2–.09 42.776N–.00 13.225E–.01 13–0 1.3L
¶614394484
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IV 01 19 47 38.0–.03 42.948N–.00 13.115E–.00 11–0 1.7L
¶610470140
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IV 01 19 48 32.0–.04 42.804N–.00 13.135E–.00 10–0 2.6L
¶617174815
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IV 02 05 34 33.3–.10 42.804N–.00 13.072E–.00 8–0 0.9L
¶614394584
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IV 02 08 23 25.0–.02 42.932N–.00 12.863E–.00 10–0 1.2L
¶616566820
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IV 02 12 22 39.6–.17 42.913N–.00 13.032E–.01 10–0 1.0L
¶614394625
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IV 02 20 29 37.1–.04 42.890N–.00 13.143E–.00 14–0 2.3L
¶610471063
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IV 02 20 30 14.5–.06 42.506N–.00 13.367E–.01 9–0 1.7L
¶617174816
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IV 02 22 17 53.7–.06 42.956N–.00 13.044E–.01 8–0 1.5L
¶614394679
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IV 02 23 27 44.6–.10 42.482N–.01 13.330E–.01 14–0 1.0L
¶614394685
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IV 03 00 53 34.9–.15 43.050N–.00 13.032E–.01 1–2 0.8L
¶614394693
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC IV 03 17 18 46.5–.77 43.06N–.01 13.06E–.02 7–4 122 0-5
ROM IV 03 17 18 46.1–.04 43.063N–.00 13.057E–.01 8–0 2.9L ¶610478085
ISC Event type se.
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IV 03 17 54 35.3–.05 43.015N–.00 13.030E–.01 8–0 1.7L
¶614394757
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IV 04 10 03 58.8–.13 42.963N–.01 13.124E–.01 3 0.9L
¶614394821
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IV 04 14 02 30.6–.05 42.665N–.00 13.337E–.00 11–0 1.7L
¶610482618
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IV 04 14 03 07.9–.03 42.916N–.00 13.110E–.00 11–0 2.8L
¶617174817
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IV 04 16 43 39.9–.16 42.939N–.01 12.895E–.01 7–1 1.6L
¶614394889
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IV 04 18 47 37.2–.05 42.877N–.00 13.026E–.00 8–0 0.4L
¶614394913
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IV 04 22 17 56.4–.05 42.936N–.00 13.202E–.01 9–0 1.5L
¶614394950
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IV 05 15 46 12.2–.11 42.715N–.01 13.206E–.01 11 1.7L
¶614395076
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IV 05 15 46 39.2–.11 42.737N–.00 13.169E–.01 9–0 1.7L
¶614395079
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IV 05 22 08 15.4–.07 42.504N–.00 13.280E–.00 15–0 1.0L
¶614395109
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IV 06 03 58 43.5–.11 43.029N–.00 13.001E–.01 2–1 1.1L
¶614395149

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IV 06 04 03 53.8–.15 42.486N–.01 13.313E–.01 15–1 1.4L
¶614395150

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IV 07 11 51 28.2–.18 43.019N–.00 13.029E–.01 7–1 0.9L
¶614395321

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IV 07 11 52 06.5–.10 43.030N–.01 13.036E–.01 10–0 1.5L
¶614395324

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IV 07 12 22 24.8–.20 42.534N–.01 13.347E–.01 9–1 0.8L
¶614395330

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IV 07 13 25 12.1–.08 42.745N–.00 13.287E–.00 13–0 0.7L
¶614395336

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IV 08 01 02 37.1–.05 43.010N–.00 13.028E–.00 8–0 1.7L
¶614395427

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IV 08 01 16 49.6–.13 43.267N–.01 10.925E–.01 8–1 1.3L
¶614395429

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IV 08 01 16 55.7–.18 43.867N–.01 11.78E–.01 7–1 1.0L
¶614395432

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IV 08 12 22 56.0–.07 42.803N–.00 13.129E–.00 10–0 1.8L
¶614395484

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IV 08 18 55 34.4–.10 42.479N–.01 13.334E–.01 13–1 1.2
¶610523751

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC IV 08 18 55 48.5–.82 42.81N–.02 13.13E–.02 9–6 70 0-3
ROM IV 08 18 55 48.2–.12 42.805N–.00 13.128E–.01 7–1 2.4L **¶617174818**
ISC Event type se.
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IV 08 22 20 54.6–.05 43.068N–.00 13.046E–.00 8–0 1.5L
¶614395521

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IV 08 22 23 44.4–.07 42.669N–.00 13.344E–.00 13–0 0.7L
¶614395522

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC IV 09 01 52 28.5–.67 42.49N–.02 13.25E–.02 15–4 3.4b 401 0-67
IDC IV 09 01 52 27.1–1.1 42.59N 13.07E 0 3.4,3.3b **¶610523785**
ROM IV 09 01 52 27.8–.03 42.472N–.00 13.270E–.00 14–0 3.5L,3.4W
PDG IV 09 01 52 28.3–.14 42.52N 13.29E 11–2 3.4L,3.4W
LDG IV 09 01 52 28.3–.11 42.44N 13.28E 14 3.3L,3.0
PRU IV 09 01 52 30.9–.00 42.60N 13.09E 10 3.3L,3.0
BEO IV 09 01 52 42.9–.70 42.65N 14.35E 34–9 3.3L,3.0
ISC Event type ke.
IDC Error ellipse: s-maj=18.2km s-min=13.2km az=94.0.
ROM Event type se. Error ellipse: s-maj=0.2km s-min=0.1km az=212.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1. Moment Tensor Solution.
Moment tensor: Scale 10^{14}Nm; M_{rr}-1.04 $M_{\theta\theta}$-0.29 $M_{\phi\phi}$1.33 $M_{r\theta}$0.52 $M_{\theta\phi}$-0.48 $M_{\phi r}$-0.73 NP1:
ϕ_s185.00000°,δ31.00000°,λ-58.00000°. NP2:ϕ_s329.00000°,δ64.00000°,λ-108.00000°.
$M_0$1.55526×10^{14}
PDG Event type ke. Error ellipse: s-maj=1.9km s-min=3.0km az=0.0.
LDG Event type ke. Error ellipse: s-maj=3.5km s-min=1.7km az=6.0.
BEO Event type ke.
ROM IV 10 18 36 11.8–.06 42.532N–.00 13.255E–.00 13–0 1.8L
¶614395755

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IV 11 08 55 39.3–.04 42.765N–.00 13.195E–.00 10–0 1.7L
¶610526226

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IV 11 08 56 33.8–.07 43.019N–.00 13.126E–.01 9–0 3.0L
¶617174819

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IV 11 09 20 42.3–.26 43.005N–.01 13.035E–.01 4–2 1.0L
¶614395844

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC IV 11 14 35 24.4–.78 43.01N–.01 13.13E–.01 7–5 247 0-8
PRU IV 11 14 35 22.3–.00 42.87N 13.92E 10 **¶610526708**
ROM IV 11 14 35 23.6–.04 43.015N–.00 13.126E–.00 9–0 3.6L,3.6W
PDG IV 11 14 35 24.8–.06 42.95N 13.18E 8–2 3.4L,3.6W
ISC Event type ke.
ROM Event type se. Error ellipse: s-maj=0.3km s-min=0.1km az=72.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1. Moment Tensor Solution.
Moment tensor: Scale 10^{14}Nm; M_{rr}-0.15 $M_{\theta\theta}$-1.86 $M_{\phi\phi}$2.01 $M_{r\theta}$0.05 $M_{\theta\phi}$-2.22 $M_{\phi r}$-0.13 NP1:
ϕ_s111.00000°,δ88.00000°,λ178.00000°. NP2:ϕ_s201.00000°,δ88.00000°,λ2.00000°.
$M_0$2.94600×10^{14}
PDG Event type ke. Error ellipse: s-maj=0.8km s-min=3.0km az=0.0.
ISC IV 11 17 04 57.1–.74 43.02N–.01 13.09E–.01 7–4 3.7b 288 0-75
ROM IV 11 17 04 56.0–.03 43.017N–.00 13.116E–.00 9–0 3.6L,3.5W **¶610526695**
LDG IV 11 17 04 56.4–.10 43.01N 13.07E 9 3.0L,3.5W
PRU IV 11 17 04 57.8–.00 43.04N 13.12E 10 3.0L,3.5W
PDG IV 11 17 04 57.5–.11 42.92N 13.17E 11–4 3.6L,3.5W
IDC IV 11 17 04 58.5–1.2 43.19N 13.30E 0 3.6s,3.6
ISC Event type ke.
ROM Event type se. Error ellipse: s-maj=0.2km s-min=0.1km az=77.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1. Moment Tensor Solution.
Moment tensor: Scale 10^{14}Nm; M_{rr}-0.06 $M_{\theta\theta}$-1.41 $M_{\phi\phi}$1.48 $M_{r\theta}$-0.16 $M_{\theta\phi}$-1.85 $M_{\phi r}$-0.17 NP1:
ϕ_s109.00000°,δ85.00000°,λ-177.00000°. NP2:ϕ_s19.00000°,δ87.00000°,λ-5.00000°.
$M_0$2.35445×10^{14}
LDG Event type ke. Error ellipse: s-maj=3.1km s-min=2.2km az=50.0.
PDG Event type ke. Error ellipse: s-maj=1.8km s-min=5.4km az=0.0.
IDC Error ellipse: s-maj=25.7km s-min=14.8km az=78.0.
ROM IV 11 17 25 11.3–.17 43.009N–.00 13.111E–.01 5–2 0.9
¶616779135

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC IV 11 17 25 22.3–.82 43.00N–.02 13.04E–.02 12–6 126 0-48
ROM IV 11 17 25 21.4–.04 43.024N–.00 13.126E–.00 8–0 3.4L,3.3W **¶610526689**
LDG IV 11 17 25 22.6–.16 43.06N 13.02E 9 2.9L,3.3W
PRU IV 11 17 25 23.4–.00 43.10N 13.46E 0 2.9L,3.3W
IDC IV 11 17 25 25.3–2.1 43.36N 13.48E 0 3.8L,3.4
ISC Event type ke.
ROM Event type se. Error ellipse: s-maj=0.2km s-min=0.0km az=60.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1. Moment Tensor Solution.
Moment tensor: Scale 10^{14}Nm; M_{rr}-0.02 $M_{\theta\theta}$-0.73 $M_{\phi\phi}$0.75 $M_{r\theta}$0.04 $M_{\theta\phi}$-0.71 $M_{\phi r}$0.22 NP1:
ϕ_s293.00000°,δ78.00000°,λ178.00000°. NP2:ϕ_s23.00000°,δ88.00000°,λ12.00000°.
$M_0$1.04541×10^{14}
LDG Event type ke. Error ellipse: s-maj=4.5km s-min=3.3km az=63.0.
IDC Error ellipse: s-maj=29.8km s-min=17.0km az=52.0.
ROM IV 11 21 21 13.2–.10 43.092N–.00 12.827E–.01 9–0 2.0L
¶610526849

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IV 11 21 21 50.7–.05 43.012N–.00 13.024E–.00 8–0 1.5L
¶617174820

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IV 11 21 32 27.6–.28 43.025N–.01 13.109E–.01 7–1 0.8L
¶614395905

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IV 11 23 01 47.7–.05 43.018N–.00 13.115E–.00 9–0 1.5L
¶614395919

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IV 12 19 44 00.7–.08 43.025N–.00 13.127E–.01 8–0 2.2L
¶610527184

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IV 12 19 44 44.3–.11 43.024N–.00 13.125E–.01 8–0 1.9L
¶617174821

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IV 12 21 38 03.9–.10 43.013N–.00 13.026E–.01 9–0 1.2L
¶614396148

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IV 12 21 41 41.9–.04 42.807N–.00 12.754E–.00 10–0 1.2L
¶614396149

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IV 12 22 35 54.8–.04 42.855N–.00 13.082E–.01 11 1.3L
¶614396158

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IV 13 19 23 58.0–.13 43.038N–.01 13.054E–.01 10–0 1.0L
¶614396268

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IV 14 11 53 22.1–.13 43.020N–.00 13.107E–.01 4–1 1.9L
¶614396330

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IV 14 12 00 11.3–.04 42.720N–.00 13.204E–.01 11–0 2.1L
¶610528157

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IV 14 12 01 04.7–.09 42.551N–.00 13.237E–.01 13–0 1.5L
¶617174822

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IV 15 01 18 53.6–.03 43.011N–.00 13.067E–.00 10–0 1.2L
¶616566830

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IV 15 01 32 12.2–.05 43.525N–.00 12.683E–.00 10–0 1.0L
¶614396390

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IV 15 23 56 07.0–.06 43.018N–.00 13.118E–.01 10–0 1.5L
¶614396495

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IV 16 12 11 49.5–.06 42.638N–.00 13.281E–.01 8–0 1.6L
¶614396560

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IV 17 04 10 48.2–.17 42.797N–.00 13.089E–.01 8–1 0.6
¶614396659

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IV 17 06 10 03.1–.08 42.976N–.00 13.139E–.00 9–0 2.2L
¶610529043

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IV 17 06 10 57.6–.08 42.982N–.00 13.147E–.00 9–0 1.4L
¶617174823

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IV 17 08 03 59.6–.05 42.796N–.00 13.136E–.00 10–0 1.5L
¶610529051

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IV 17 08 04 03.1–.05 42.502N–.00 13.396E–.00 10–0 2.0L
¶617174824

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IV 17 08 04 56.1–.04 42.797N–.00 13.134E–.00 10–0 1.8L
¶617174825

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IV 17 12 08 07.2–.05 42.716N–.00 13.224E–.00 12–0 1.0
¶614396681

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC IV 17 23 09 17.3–.79 42.58N–.02 13.36E–.02 11–5 100 0-5
ROM IV 17 23 09 16.9–.05 42.587N–.00 13.356E–.00 10–0 2.6L **¶610529592**
ISC Event type se.
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IV 18 07 27 59.2–.12 43.017N–.00 13.072E–.01 9–0 1.2L
¶614396822

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IV 18 17 28 27.1–.06 42.753N–.00 13.269E–.00 12–0 1.0
¶614396891

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IV 18 23 56 23.9–.06 43.011N–.00 13.140E–.00 10–0 2.9L
PRU IV 18 23 56 23.1–.00 42.81N 13.79E 10 2.9L **¶610532775**
ROM Event type se. Error ellipse: s-maj=0.3km s-min=0.3km az=17.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IV 19 03 26 41.0–.03 42.823N–.00 13.048E–.00 11 1.0L
¶614396945

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IV 19 04 09 49.7–.03 42.674N–.00 13.188E–.00 12–0 2.6L
¶610532783

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IV 19 04 10 48.9–.09 42.676N–.01 13.190E–.01 12–0 1.0
¶617174827

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IV 19 05 16 43.1–.06 42.814N–.00 13.111E–.01 11–0 0.9
¶614396959

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IV 19 16 06 56.7–.12 43.055N–.00 13.048E–.01 6–0 1.1L
¶612185457

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IV 19 16 41 17.7–.05 42.862N–.00 13.074E–.00 11–0 0.7L
¶614397006

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IV 19 18 11 33.3–.09 43.019N–.00 13.114E–.01 8–0 2.9L
PRU IV 19 18 11 34.2–.00 43.01N 13.83E 0 2.9L **¶610537710**
ROM Event type se. Error ellipse: s-maj=0.4km s-min=0.1km az=54.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IV 19 21 34 04.7–.17 42.925N–.00 12.898E–.01 10–1 0.7L
¶614397046

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IV 20 04 15 21.8–.03 42.777N–.00 13.062E–.00 11–0 2.4L
BEO IV 20 04 15 29.3–3.0 42.18N 12.36E 67–0 3.3L **¶610544110**
PRU IV 20 04 15 34.3–.00 42.84N 13.70E 0 3.3L
ROM Event type se. Error ellipse: s-maj=0.2km s-min=0.1km az=289.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
BEO Event type ke.
ROM IV 20 04 15 32.5–.03 42.778N–.00 13.061E–.00 10–0 3.0L
¶617169387

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IV 20 10 08 43.2–.05 42.782N–.00 13.109E–.00 10–0 1.3L
¶614397100

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IV 20 10 09 23.6–.07 42.666N–.00 13.197E–.01 11–0 1.3L
¶614397103

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IV 20 20 35 27.9–.08 43.009N–.00 13.038E–.01 9–0 1.2L
¶614397157

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IV 21 00 54 50.4–.14 42.831N–.01 13.416E–.01 13–1 1.7L
¶617153883

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IV 21 13 07 10.7–.10 42.391N–.00 13.420E–.01 7–0 1.7L
¶614397206

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IV 21 13 09 46.2–.08 42.719N–.00 13.293E–.00 15–0 1.1L
¶614397207

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IV 21 17 44 35.8–.06 42.457N–.00 13.319E–.00 13–0 1.9L
¶614397250

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IV 21 22 57 37.7–.05 42.461N–.00 13.320E–.00 13–0 2.0L
¶610547194

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IV 21 22 58 32.4–.04 42.816N–.00 13.117E–.00 11–0 1.5L
¶617174828

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IV 22 19 44 40.6–.05 42.748N–.00 13.251E–.00 14–0 1.5L
¶610972428

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IV 22 20 27 59.1–.03 42.845N–.00 12.638E–.00 11–0 1.4L
¶614397392

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC IV 23 05 38 58.9–.72 42.56N–.01 13.31E–.02 16–4 323 0-9
ROM IV 23 05 38 58.6–.05 42.565N–.00 13.328E–.01 9–0 3.4L,3.4W **¶610547549**
LDG IV 23 05 38 58.4–.08 42.52N 13.33E 9 3.4,2.8L
PDG IV 23 05 38 59.2–.33 42.56N 13.33E 10–0 3.5L,2.8L
BEO IV 23 05 39 00.4–.60 42.49N 13.22E 11–0 3.6L,2.8L
PRU IV 23 05 39 03.3–.00 42.72N 13.38E 10 3.6L,2.8L
ISC Event type ke.
ROM Event type se. Error ellipse: s-maj=0.4km s-min=0.1km az=245.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1. Moment Tensor Solution.
Moment tensor: Scale 10^{14}Nm; M_{rr}-0.02 $M_{\theta\theta}$-1.28 $M_{\phi\phi}$1.30 $M_{r\theta}$0.06 $M_{\theta\phi}$-0.73 $M_{\phi r}$0.09 NP1:
ϕ_s300.00000°,δ86.00000°,λ-180.00000°. NP2:ϕ_s210.00000°,δ90.00000°,λ-4.00000°.
$M_0$1.48810×10^{14}
LDG Event type ke. Error ellipse: s-maj=2.9km s-min=1.8km az=42.0.
PDG Event type ke. Error ellipse: s-maj=0.2km s-min=0.4km az=0.0.
BEO Event type ke.
ROM IV 23 05 59 10.8–.06 43.609N–.00 11.005E–.01 12–2 1.2L
¶614397434

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IV 23 06 46 37.3–.05 43.020N–.00 13.099E–.01 8–0 2.6L
¶610547555

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IV 23 10 19 11.3–.23 42.950N–.00 13.046E–.01 7–1 1.0L
¶614397450

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IV 23 12 36 54.7–.07 43.618N–.00 11.012E–.01 14–1 1.6L
¶614397464

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IV 23 17 23 58.6–.04 42.453N–.00 13.325E–.00 13–0 2.2L
¶617174829

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IV 23 17 24 32.1–.04 42.814N–.00 13.103E–.00 11–0 1.5L
¶617174831

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IV 24 02 14 52.9–.05 42.463N–.00 13.322E–.00 12–0 2.5L
¶610547642

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IV 24 02 15 38.0–.06 42.456N–.00 13.316E–.01 13–0 1.2L
¶617174833

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IV 24 02 16 13.4–.15 42.456N–.01 13.323E–.01 13–1 1.1L
¶617174834

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC IV 24 02 19 09.2–.72 42.46N–.02 13.29E–.02 15–4 303 0-21
ROM IV 24 02 19 08.8–.05 42.458N–.00 13.326E–.00 12–0 3.3L,3.3W **¶610547643**
LDG IV 24 02 19 09.1–.16 42.40N 13.28E 12 3.3,2.7L
IDC IV 24 02 19 09.7–2.5 42.63N 13.67E 0 3.4,3.2b
PRU IV 24 02 19 09.0–.00 42.44N 13.65E 0 3.4,3.2b
BEO IV 24 02 19 12.0–.60 42.52N 13.47E 0 3.4L,3.2b
ISC Event type ke.
ROM Event type se. Error ellipse: s-maj=0.3km s-min=0.0km az=230.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1. Moment Tensor Solution.
Moment tensor: Scale 10^{14}Nm; M_{rr}0.01 $M_{\theta\theta}$-0.47 $M_{\phi\phi}$0.46 $M_{r\theta}$0.11 $M_{\theta\phi}$-1.13 $M_{\phi r}$-0.11 NP1:
ϕ_s191.00000°,δ84.00000°,λ4.00000°. NP2:ϕ_s101.00000°,δ86.00000°,λ174.00000°.
$M_0$1.23615×10^{14}
LDG Event type ke. Error ellipse: s-maj=5.3km s-min=3.4km az=40.0.
IDC Error ellipse: s-maj=56.9km s-min=20.9km az=99.0.
BEO Event type ke.
ROM IV 24 13 23 25.5–.08 42.910N–.00 13.115E–.00 12–0 0.8L
¶614397660

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IV 24 22 49 43.9–.06 42.459N–.00 13.329E–.00 12–0 2.4L
¶617174835

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IV 24 22 50 30.3–.06 42.459N–.00 13.333E–.00 13–0 2.3L
¶610548813

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IV 25 21 08 02.8–.04 42.621N–.00 13.312E–.00 11–0 1.7L
¶614397862

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IV 25 23 47 05.5–.05 42.928N–.00 13.033E–.01 11 0.6L
¶614397886

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IV 26 09 30 49.5–.03 42.808N–.00 13.142E–.00 10–0 1.7L
¶610559166

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IV 26 09 31 37.9–.07 42.920N–.00 13.219E–.00 8–0 2.2L
¶617174836

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IV 26 20 54 32.2–.07 42.807N–.00 13.157E–.00 9–0 2.7L
PRU IV 26 20 54 32.5–.00 42.95N 14.74E 10 2.7L **¶610560073**
ROM Event type se. Error ellipse: s-maj=0.3km s-min=0.1km az=77.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IV 27 11 24 52.6–.09 42.527N–.00 13.398E–.00 17–0 1.3L
¶614398059

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IV 27 14 56 37.0–.43 42.92N–.02 13.07E–.02 15–2 1.2L
¶614398077
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IV 27 17 27 29.6–.06 43.008N–.00 13.020E–.01 8–0 2.4L
¶610570305
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IV 27 17 28 21.1–.05 43.008N–.00 13.016E–.01 8–0 1.9L
¶617174837
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC IV 27 21 09 27.2–.78 42.96N–.01 13.03E–.01 3–5 3.7b 368 0-75
NAO IV 27 21 09 24.8 42.41N 14.15E 33 3.6b **¶610570882**
LDG IV 27 21 09 26.1–.16 42.98N 13.10E 8 3.5L
ROM IV 27 21 09 26.5–.03 42.956N–.00 13.047E–.00 7–0 3.5L
BEO IV 27 21 09 27.6–.70 43.00N 12.91E 0 3.5L
PRU IV 27 21 09 27.4–.00 42.87N 13.42E 10 3.5L
IDC IV 27 21 09 27.3–.96 42.99N 12.95E 0 3.7b,3.6
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=5.2km s-min=2.7km az=57.0.
ROM Event type se. Error ellipse: s-maj=0.2km s-min=0.1km az=73.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
BEO Event type ke.
IDC Error ellipse: s-maj=24.6km s-min=13.0km az=95.0.
ROM IV 27 21 10 47.1–.11 42.962N–.00 13.046E–.01 4–1 2.2L
¶610575498
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IV 27 21 11 40.0–.04 42.961N–.00 13.050E–.00 9–0 2.3L
¶616747310
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IV 27 21 12 37.6–.08 42.972N–.00 13.042E–.01 8–0 1.7L
¶610575499
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IV 27 21 13 16.0–.04 42.966N–.00 13.049E–.00 8–0 2.0L
¶616747313
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC IV 27 21 16 59.7–.81 42.96N–.01 13.03E–.01 2–5 4.5b,3.8s 773 0-90
STR IV 27 21 16 56.8–2.0 43N–12 14E–16 10 4.1,3.8s **¶610570883**
BJI IV 27 21 16 58.7–.00 43.30N 12.78E 6 5.1b,4.8s
PRU IV 27 21 16 58.4–.00 42.86N 13.25E 0 4.3,4.8s
ROM IV 27 21 16 58.8–.02 42.957N–.00 13.046E–.00 8–0 4.0L,4.0W
IDC IV 27 21 16 59.7–.66 43.02N 12.97E 0 4.2b,4.1
MED_R IV 27 21 16 59.0–.30 42.96N 13.04E 10 4.2W,4.1
NEIC IV 27 21 16 59.9–2.0 42.94N–.05 13.01E–.07 4–2 4.4b,4.2
BEO IV 27 21 17 00.9–.70 43.00N 13.03E 0 4.0L,4.2
PDG IV 27 21 17 00.0–.77 43.01N 13.17E 9–1 4.0L,4.2
LDG IV 27 21 17 00.6–.14 43.04N 13.09E 9 3.8L,4.2
NEIC IV 27 21 17 02.1 43.02N 13.15E 10 3.8L,4.2
ISC Event type ke.
STR Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=107.1. manual.
smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. preliminary.
ROM Event type se. Error ellipse: s-maj=0.2km s-min=0.1km az=71.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1. Moment Tensor Solution.
Moment tensor: Scale 10^{15}Nm; M_{rr}-1.34 $M_{\theta\theta}$0.29 $M_{\phi\phi}$1.05 $M_{r\theta}$-0.13 $M_{\theta\phi}$-0.14 $M_{\phi r}$0.12 NP1:
ϕ_s354.00000°,δ42.00000°,λ-84.00000°. NP2:ϕ_s166.00000°,δ48.00000°,λ-95.00000°.
$M_0$1.21604×10^{15}
IDC Error ellipse: s-maj=11.9km s-min=10.0km az=63.0.
MED_R nsta1 refers to body waves. nsta2 refers to surface waves, cutoff=35s. Moment Tensor
Solution. Mantle waves: s21,c23;Duration: 1s0 Moment tensor: Scale 10^{15}Nm; M_{rr}-2.56±.16
$M_{\theta\theta}$0.60±.20; $M_{\phi\phi}$1.97±.12; $M_{r\theta}$-0.82±.43; $M_{\theta\phi}$-0.18±.14; $M_{\phi r}$0.18±.29; Best double couple:
NP1:ϕ_s158.00000°,δ50.00000°,λ-107.00000°. NP2:ϕ_s4.00000°,δ43.00000°,λ-70.00000°.
Principal axes: T 2.0100,Plg4.0000°,Azm260.0000°; N 0.7600,Plg13.0000°,Azm169.0000°
; P -2.7600,Plg76.0000°,Azm7.0000° $M_0$2.39000×10^{15}
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=7.2km az=42.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-2.04 $M_{\theta\theta}$0.86 $M_{\phi\phi}$1.18 $M_{r\theta}$0.79 $M_{\theta\phi}$-0.04
$M_{\phi r}$-1.58 NP1:ϕ_s164.43000°,δ21.28000°,λ-82.87000°. NP2:ϕ_s336.79000°,δ68.89000°
,λ-92.77000°. Principal axes: T 1.9417,Plg24.0000°,Azm69.0000°; N 0.8853,Plg3.0000°
,Azm338.0000°; P -2.8271,Plg66.0000°,Azm242.0000° $M_0$2.50000×10^{15}
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.5km s-min=0.7km az=0.0.
LDG Event type ke. Error ellipse: s-maj=4.6km s-min=2.9km az=22.0.
NEIC Event type se.
ISC IV 27 21 19 43.3–.73 42.95N–.01 13.05E–.01 2–4 4.5b,4.1s 884 0-92
STR IV 27 21 19 38.9–2.5 43N–14 14E–21 10 4.2,4.1s **¶611833663**
LDG IV 27 21 19 42.7–.16 42.94N 13.07E 8 3.9L,4.1s
ROM IV 27 21 19 42.6–.02 42.952N–.00 13.047E–.00 8–0 4.1L,4.0W
PDG IV 27 21 19 42.8–.99 42.96N 13.08E 9–1 4.1L,4.0W
MOS IV 27 21 19 43.2–.85 43.01N 13.13E 8 4.5b,4.0W
NEIC IV 27 21 19 43.9–2.2 42.92N–.04 13.11E–.06 4–2 4.4b,4.1
BGR IV 27 21 19 43.5–.95 42.72N 13.64E 10 4.4L,4.1
MED_R IV 27 21 19 43.0–.50 42.95N 13.06E 10 4.2W,4.1
IDC IV 27 21 19 43.3–.71 43.02N 13.00E 0 4.3b,4.2
PRU IV 27 21 19 44.5–.00 42.90N 13.42E 12 4.4,4.2
NEIC IV 27 21 19 44.1 43.00N 13.10E 1 4.4,4.2
BEO IV 27 21 19 44.3–.60 42.98N 12.98E 0 4.1L,4.2
NAO IV 27 21 19 59.0 43.89N 13.62E 33 3.6b,4.2
ISC Event type ke.
STR Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=92.6. manual.
smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/alpes_taup-2.11. preliminary.
LDG Event type ke. Error ellipse: s-maj=4.4km s-min=2.8km az=56.0.
ROM Event type se. Error ellipse: s-maj=0.1km s-min=0.1km az=70.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1. Moment Tensor Solution.
Moment tensor: Scale 10^{15}Nm; M_{rr}-1.14 $M_{\theta\theta}$0.24 $M_{\phi\phi}$0.89 $M_{r\theta}$-0.16 $M_{\theta\phi}$-0.11 $M_{\phi r}$0.10 NP1:
ϕ_s356.00000°,δ42.00000°,λ-81.00000°. NP2:ϕ_s164.00000°,δ49.00000°,λ-98.00000°.
$M_0$1.03931×10^{15}
PDG Event type ke. Error ellipse: s-maj=0.8km s-min=1.3km az=0.0.
MOS Error ellipse: s-maj=5.5km s-min=4.4km az=82.8.
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=4.1km az=44.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-1.92 $M_{\theta\theta}$0.61 $M_{\phi\phi}$1.31 $M_{r\theta}$-0.33
$M_{\theta\phi}$-0.20 $M_{\phi r}$0.25 NP1:ϕ_s158.41000°,δ51.04000°,λ-97.01000°. NP2:ϕ_s349.48000°
,δ39.49000°,λ-81.41000°. Principal axes: T 1.3987,Plg6.0000°,Azm253.0000°
; N 0.5771,Plg5.0000°,Azm163.0000°; P -1.9759,Plg82.0000°,Azm30.0000°
$M_0$1.76000×10^{15}
BGR Event type ke. Error ellipse: s-maj=24.5km s-min=16.7km az=77.0.
MED_R nsta1 refers to body waves. nsta2 refers to surface waves, cutoff=35s. Moment Tensor
Solution. Mantle waves: s12,c13;Duration: 1s0 Moment tensor: Scale 10^{15}Nm; M_{rr}-2.15±.33
$M_{\theta\theta}$0.45±.36; $M_{\phi\phi}$1.70±.18; $M_{r\theta}$0.34±.65; $M_{\theta\phi}$0.45±.34; $M_{\phi r}$-1.17±.55; Best double couple:
NP1:ϕ_s3.00000°,δ60.00000°,λ-103.00000°. NP2:ϕ_s208.00000°,δ32.00000°,λ-68.00000°.
Principal axes: T 2.1000,Plg14.0000°,Azm102.0000°; N 0.4400,Plg11.0000°,Azm9.0000°
; P -2.5400,Plg72.0000°,Azm242.0000° $M_0$2.32000×10^{15}

IDC Error ellipse: s-maj=14.0km s-min=12.0km az=28.0.
NEIC Event type se.
BEO Event type ke.
ROM IV 27 21 22 29.5–.08 42.969N–.00 13.056E–.01 5 2.3L
¶610575500
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IV 27 21 23 05.0–.09 42.954N–.00 13.050E–.01 4–0 2.0L
¶616747329
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IV 27 21 35 02.7–.06 42.956N–.00 13.049E–.00 8–0 2.2L
¶610575502
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IV 27 21 35 54.1–.07 42.968N–.00 13.056E–.01 5–0 2.9L
¶617174838
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IV 27 21 36 52.4–.04 42.675N–.00 13.167E–.00 11–0 1.8L
¶617174839
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IV 27 22 19 40.5–.06 42.971N–.00 13.045E–.01 6–0 2.0L
¶610575503
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IV 27 22 20 16.9–.06 42.950N–.00 13.043E–.01 8–0 1.8L
¶617174840
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IV 27 23 26 00.5–.10 42.966N–.00 13.045E–.01 3–0 0.9L
¶614398123
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IV 27 23 55 40.9–.05 42.969N–.00 13.041E–.01 7–0 2.0L
¶610575512
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IV 27 23 56 37.2–.14 42.967N–.00 13.051E–.01 4–1 1.0L
¶617174841
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IV 28 14 16 29.9–.07 42.781N–.00 12.752E–.01 9–0 1.5L
¶614398194
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IV 28 14 16 38.0–.10 43.634N–.01 12.190E–.01 8–0 1.2L
¶614398197
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IV 28 16 01 02.1–.05 42.717N–.00 13.214E–.00 13–0 1.8L
¶614398204
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IV 29 00 34 11.6–.05 42.749N–.00 13.226E–.00 11–0 1.4L
¶616566847
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IV 29 07 24 10.4–.11 42.970N–.00 13.052E–.01 5–0 2.1L
¶617174842
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IV 29 07 24 58.5–.04 42.968N–.00 13.042E–.00 9–0 2.1L
¶610588571
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC IV 30 08 05 10.1–.81 42.97N–.02 13.03E–.02 9–5 79 0-4
ROM IV 30 08 05 09.7–.07 42.968N–.00 13.035E–.01 9–0 2.5L **¶610591572**
ISC Event type se.
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM V 01 11 03 37.7–.05 42.521N–.00 13.272E–.00 12–0 2.0L
¶616918723
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM V 01 12 34 21.8–.12 42.856N–.00 13.108E–.00 9–0 0.9L
¶616382409
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM V 01 18 53 01.2–.04 42.815N–.00 12.746E–.00 9–0 2.1L
¶610589759
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM V 01 18 53 50.4–.03 42.974N–.00 13.047E–.00 9–0 1.8L
¶617232479
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM V 01 23 17 07.9–.03 42.942N–.00 13.061E–.00 12–0 1.7L
¶617229466
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
LDG V 01 23 17 58.0–.08 43.55N 11.76E 6 2.7,2.5L
STR V 01 23 17 57.5–2.0 43N–8.0 12E–17 10 3.3,2.5L **¶610590162**
ROM V 01 23 17 58.8–.13 43.544N–.00 11.762E–.01 10–0 2.7L,2.5L
PRU V 01 23 17 59.3 43.49N 11.94E 0 2.7L,2.5L
LDG Event type ke. Error ellipse: s-maj=2.8km s-min=1.9km az=26.0.
STR Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=99.7. manual.
smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/alpes_taup-2.11. preliminary.
ROM Event type se. Error ellipse: s-maj=0.5km s-min=0.1km az=207.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM V 03 05 12 22.5–.03 42.858N–.00 13.200E–.00 12–0 1.9L
¶616382553
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM V 03 07 26 44.2–.06 42.525N–.00 13.237E–.00 14–0 1.0L
¶616382558

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM V 04 07 36 55.9–.10 43.635N–.01 12.004E–.01 10–0 1.2L
¶616382693

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM V 04 07 37 09.9–.07 42.536N–.00 13.328E–.00 16–0 1.3L
¶616382696

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC V 04 10 13 49.9–.62 42.91N–.01 13.15E–.02 13–3 208 0-9
PRU V 04 10 13 46.2 42.78N 14.95E 5 **¶610594173**
BEO V 04 10 13 49.8–5.4 42.60N 12.63E 48–8 3.5L
LDG V 04 10 13 49.5–.06 42.91N 13.19E 8 3.3,2.8L
ROM V 04 10 13 50.0–.03 42.919N–.00 13.142E–.00 8–0 3.2L,2.8L
ISC Event type ke.
BEO Event type ke.
LDG Event type ke.
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM V 05 07 18 12.7–.03 42.726N–.00 13.200E–.00 11 1.9L
¶610598552

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM V 05 07 18 25.5–.04 42.726N–.00 13.201E–.00 11–0 2.2L
¶617232480

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM V 05 08 00 57.1–.07 43.018N–.00 13.016E–.00 14–0 1.0L
¶616382792

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM V 05 10 41 38.8–.06 42.811N–.00 13.121E–.00 11–0 1.0L
¶610602369

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM V 05 10 41 51.4–.04 42.668N–.00 13.302E–.00 13–0 2.0L
¶617232481

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM V 05 11 23 20.6–.03 42.668N–.00 13.298E–.00 13–0 2.3L
¶610602371

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM V 05 11 24 08.4–.06 42.772N–.00 13.061E–.01 11–0 1.5L
¶617232482

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM V 06 00 32 07.8–.06 42.523N–.00 13.364E–.01 11–0 0.9L
¶616382875

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM V 06 00 32 37.4–.03 42.787N–.00 12.858E–.00 11 0.9L
¶616382878

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM V 07 00 24 37.8–.10 42.950N–.00 13.061E–.01 3–0 0.5L
¶616382983

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM V 07 08 26 47.5–.04 43.296N–.00 12.856E–.00 11–0 1.5L
¶616383023

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM V 08 00 52 19.0–.27 42.756N–.01 13.16E–.01 8–1 1.1L
¶616383115

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM V 09 09 11 14.1–.08 42.942N–.00 13.167E–.00 6–0 1.8L
¶616383234

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM V 10 07 35 38.3–.05 42.703N–.00 13.331E–.00 14–0 1.9L
¶610619324

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM V 10 07 36 33.6–.03 42.770N–.00 13.063E–.00 10–0 2.2L
¶617232484

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM V 10 07 37 29.0–.10 42.704N–.00 13.332E–.01 14–0 1.4L
¶617232485

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM V 10 15 22 11.2–.04 42.775N–.00 13.061E–.00 10–0 1.1L
¶616383361

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM V 11 06 17 47.7–.03 42.674N–.00 13.183E–.00 12–0 1.5L
¶610623492

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM V 11 06 17 53.7–.05 42.671N–.00 13.187E–.00 12–0 2.0L
¶617232486

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM V 11 06 18 50.0–.09 42.899N–.00 13.229E–.01 7–0 0.6L
¶617232487

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM V 11 11 34 01.1–.06 42.513N–.00 13.355E–.01 11–0 1.9L
¶616383471

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM V 11 14 46 33.0–.08 42.976N–.00 13.042E–.01 10–0 1.0L
¶616383485

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM V 11 22 17 45.3–.03 42.918N–.00 13.157E–.00 9–0 2.2L
¶617232492

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM V 11 22 18 30.7–.04 42.919N–.00 13.160E–.00 9–0 2.1L
¶610630730

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM V 12 07 41 56.3–.09 42.766N–.00 13.273E–.01 16–0 1.6L
¶616383571

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM V 12 11 07 55.8–.06 42.741N–.00 13.178E–.01 10–0 0.8L
¶616383583

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM V 13 11 37 06.2–.09 43.011N–.00 13.028E–.01 10–0 1.5L
¶616383735

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM V 14 08 33 12.2–.12 42.607N–.01 13.237E–.01 14–1 0.9L
¶610639169

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM V 14 08 33 24.9–.03 42.808N–.00 13.136E–.00 10–0 2.4L
¶617232495

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM V 14 23 03 07.1–.03 43.001N–.00 13.030E–.00 8–0 2.5L
¶610638703

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM V 14 23 04 03.5–.07 43.006N–.00 13.034E–.00 6–0 1.6L
¶617232494

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM V 15 06 34 18.4–.07 43.109N–.00 13.033E–.01 11–0 0.9L
¶616383988

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM V 15 15 23 21.6–.12 43.021N–.00 13.103E–.01 4–1 1.7L
¶610639768

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM V 15 15 23 53.9–.03 42.886N–.00 13.234E–.00 9–0 2.3L
¶617232496

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM V 16 10 18 34.1–.08 42.613N–.01 13.320E–.01 10–0 1.2L
¶610641565

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM V 16 10 18 42.9–.03 42.717N–.00 13.194E–.00 11–0 2.2L
¶617232497

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM V 16 15 46 29.1–.07 43.316N–.00 13.069E–.01 9–0 1.2L
¶616384132

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM V 17 11 31 15.5–.12 42.776N–.00 13.056E–.01 11–0 1.2L
¶616384213

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM V 19 01 32 45.5–.10 42.436N–.00 13.330E–.00 13–0 0.8L
¶616384449

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC V 19 04 46 54.3–.65 42.77N–.01 13.19E–.02 15–3 331 0-67
ROM V 19 04 46 53.9–.04 42.773N–.00 13.215E–.00 10–0 3.4L,3.2W **¶610643027**
LDG V 19 04 46 53.9–.14 42.82N 13.18E 12 3.0L,3.2W
IDC V 19 04 46 53.8–1.7 42.88N 13.51E 0 3.4,3.4L
PDG V 19 04 46 54.2–.33 42.77N 13.20E 14–0 3.6L,3.4L
PRU V 19 04 46 55.1 42.75N 14.08E 10 3.6L,3.4L
BEO V 19 04 46 55.5–1.7 42.77N 12.98E 50–1 3.5L,3.4L
STR V 19 04 46 57.7–1.9 43N–7.0 13E–16 10 3.4,3.4L
ISC Event type ke.
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1. Moment Tensor Solution.
Moment tensor: Scale 10^{13}Nm; M_{rr}-1.12 $M_{\theta\theta}$-0.54 $M_{\phi\phi}$1.66 $M_{r\theta}$0.67 $M_{\theta\phi}$-1.38 $M_{\phi r}$8.30 NP1:
ϕ_s297.00000°,δ11.00000°,λ-157.00000°. NP2:ϕ_s184.00000°,δ86.00000°,λ-80.00000°.
$M_0 8.56635\times10^{13}$
LDG Event type ke.
PDG Event type ke.
BEO Event type ke.
STR Event type se. manual. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. preliminary.
ROM V 19 04 50 25.1–.06 42.922N–.00 13.180E–.00 7–0 0.6L
¶616384494

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM V 19 04 58 25.0–.05 42.951N–.00 13.051E–.00 11–0 1.0L
¶616384497

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM V 19 05 04 27.3–.15 42.777N–.00 13.220E–.01 9–0 1.3L
¶616384498

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM V 19 22 24 43.8–.11 43.217N–.01 10.854E–.01 5–1 1.3L
¶616384598

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM V 19 22 25 41.5–.03 42.828N–.00 13.136E–.00 11 0.8L
¶616384601

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM V 20 07 37 49.1–.09 43.047N–.00 13.025E–.00 5–0 1.0L
¶616384637

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM V 21 19 54 32.2–.16 43.633N–.01 13.340E–.01 36–1 1.3L
¶610646096

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM V 21 19 55 26.2–.03 42.809N–.00 13.122E–.00 11–0 1.9L
¶617232498

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM V 23 21 21 53.6–.03 42.810N–.00 13.136E–.00 11–0 0.9L
¶610650851

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM V 23 21 22 26.3–.03 42.953N–.00 13.029E–.00 11–0 2.0L
¶617232499

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC V 24 16 21 28.0–.74 42.99N–.01 13.00E–.02 11–4 144 0-7
LDG V 24 16 21 27.3–.07 43.00N 13.07E 10 3.2,2.7L **¶610651507**
ROM V 24 16 21 28.0–.03 43.002N–.00 13.028E–.00 9–0 2.9L,2.7L
PRU V 24 16 21 29.5 42.92N 13.90E 10 2.9L,2.7L
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=2.1km s-min=1.4km az=50.0.
ROM Event type se. Error ellipse: s-maj=0.3km s-min=0.1km az=69.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM V 24 20 30 36.2–.05 43.053N–.00 13.043E–.01 9–0 2.1L
¶610653314

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM V 24 20 31 25.2–.07 43.063N–.00 13.037E–.00 9–0 1.2L
¶617232500

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM V 24 23 03 02.3–.08 42.960N–.00 13.041E–.01 8–0 1.3L
¶610653321

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM V 24 23 03 51.7–.03 43.054N–.00 13.046E–.00 8–0 2.1L
¶617232491

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM V 25 12 07 49.9–.11 42.931N–.00 13.103E–.00 11–0 1.3
¶616385308

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM V 25 19 25 44.2–.04 43.009N–.00 13.028E–.00 9–0 1.9L
¶610654519

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM V 25 19 26 12.5–.07 42.894N–.00 13.203E–.01 8–0 1.5L
¶617232501

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM V 26 00 24 04.1–.07 42.279N–.00 13.593E–.01 10–0 1.2L
¶616385383

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM V 26 00 52 48.1–.03 43.056N–.00 13.050E–.00 9–0 1.6L
¶610654550

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM V 26 00 53 39.3–.02 43.056N–.00 13.046E–.00 9–0 2.2L
¶617232502

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM V 26 11 58 36.7–.16 42.609N–.01 13.321E–.01 10–1 1.6L
¶616385418

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM V 26 20 04 55.2–.05 43.061N–.00 13.043E–.00 9–0 1.2L
¶610654871

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM V 26 20 05 13.8–.08 42.670N–.00 13.265E–.01 18–0 2.4L
¶617232503

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM V 26 20 55 42.4–.07 42.507N–.00 13.396E–.01 10–0 1.0L
¶616385469

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM V 27 03 36 12.4–.05 42.665N–.00 13.178E–.00 11 1.4L
¶610654886

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM V 27 03 37 10.2–.03 42.731N–.00 13.150E–.00 9–0 2.0L
¶617232504

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM V 27 06 22 45.3–.04 42.663N–.00 13.305E–.00 12–0 1.8L
¶616385523

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM V 28 07 15 42.2–.06 42.791N–.00 13.152E–.01 11–0 1.4L
¶616385609

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM V 28 09 57 02.2–.03 43.056N–.00 13.046E–.00 9–0 1.9L
¶610655193

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM V 28 09 57 41.7–.08 43.056N–.00 13.047E–.00 9–0 1.7L
¶617232505

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM V 28 19 35 19.4–.05 42.737N–.00 13.215E–.00 12–0 1.9L
¶610655261

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM V 28 19 35 44.6–.03 42.809N–.00 13.126E–.00 10–0 2.3L
¶617232506

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM V 29 14 04 17.1–.06 43.058N–.00 13.043E–.00 10–0 1.8L
¶610655577

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM V 29 14 05 03.1–.05 43.014N–.00 13.140E–.01 8–0 2.2L
¶617232507

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM V 29 19 39 56.4–.05 42.444N–.00 13.292E–.00 15–0 2.0L
¶610655693

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM V 29 19 40 44.6–.06 42.444N–.00 13.302E–.01 14–0 1.6L
¶617232508

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM V 30 02 27 28.3–.04 42.943N–.00 13.124E–.00 11–0 1.3L
¶616385785

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM V 30 05 31 56.6–.04 42.808N–.00 13.133E–.01 10–0 1.4L
¶610655725

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM V 30 05 32 12.2–.03 42.641N–.00 13.306E–.00 11–0 2.0L
¶617232490

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM V 30 07 26 42.1–.06 42.569N–.00 13.339E–.00 10–0 1.1L
¶616385809

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM V 30 08 25 18.6–.07 42.509N–.00 13.296E–.00 14–0 0.8L
¶616385816

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
GEN V 30 08 26 07.0 43.97N 10.53E 4–1 0.6L
¶615393014

ROM V 30 18 45 08.6–.06 43.003N–.00 13.021E–.01 15–0 1.3L
¶616385855

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM V 31 20 24 45.0–.31 43.005N–.01 13.066E–.01 10–1 1.2L
¶616386028

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM VI 01 08 44 35.1–.04 42.929N–.00 13.073E–.00 10–0 1.6L,0.0
¶616386082

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC VI 02 00 21 47.2–.64 42.79N–.01 13.20E–.02 14–3 3.6b 468 0-67
LDG VI 02 00 21 46.6–.10 42.81N 13.26E 10 3.0L **¶610659595**
ROM VI 02 00 21 46.8–.03 42.800N–.00 13.230E–.00 10–0 3.6L,3.4W
IDC VI 02 00 21 46.8–.99 42.92N 13.36E 0 3.5,3.5b
PRU VI 02 00 21 47.7 42.76N 13.65E 10 3.5,3.5b
PDG VI 02 00 21 47.6–1.1 42.81N 13.24E 0–11 3.6L,3.5b
BEO VI 02 00 21 50.2–.90 42.88N 13.24E 28–1 3.4L,3.5b
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=3.5km s-min=1.9km az=48.0.
ROM Event type se. Error ellipse: s-maj=0.2km s-min=0.0km az=74.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1. Moment Tensor Solution.
Moment tensor: Scale 10^{14}Nm; M_{rr}-0.83 $M_{\theta\theta}$0.07 $M_{\phi\phi}$0.76 $M_{r\theta}$1.09 $M_{\theta\phi}$-0.01 $M_{\phi r}$1.11 NP1: ϕ_s351.00000°,δ17.00000°,λ-136.00000°. NP2:ϕ_s218.00000°,δ78.00000°,λ-78.00000°. $M_0 1.72439\times10^{14}$
IDC Error ellipse: s-maj=19.5km s-min=11.7km az=86.0.
PDG Event type ke. Error ellipse: s-maj=0.7km s-min=1.0km az=0.0.
BEO Event type ke.
ROM VI 02 16 13 22.7–.05 42.828N–.00 13.137E–.00 12–0 0.9L,0.0
¶616386274

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM VI 03 00 05 14.1–.04 42.809N–.00 13.128E–.00 10–0 0.8L
¶616386313

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM VI 03 05 09 22.7–.03 43.049N–.00 13.048E–.00 9–0 2.1L
¶610660634

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM VI 03 05 10 15.1–.05 43.055N–.00 13.043E–.00 9–0 1.1L
¶617481158

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM VI 04 00 37 57.8–.03 42.809N–.00 13.129E–.00 10–0 1.7L,0.0
¶616386424

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM VI 04 10 19 35.8–.14 43.060N–.01 13.040E–.01 7–0 0.8L,0.0
¶616386489

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM VI 04 18 56 27.4–.05 42.987N–.00 13.072E–.00 9–0 0.7L,0.0
¶616386544

ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM VI 05 08 31 01.8–.07 42.954N–.00 13.037E–.01 9–0 1.4L
¶616386599
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM VI 05 08 31 05.9–.04 43.307N–.00 12.611E–.00 12–0 1.3L
¶616386602
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM VI 06 13 09 44.7–.04 42.961N–.00 13.040E–.00 8–0 2.3L
¶610664213
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM VI 06 13 10 37.7–.11 42.980N–.01 13.048E–.01 10–0 1.9L
¶617481160
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM VI 06 15 09 43.3–.09 43.071N–.00 13.062E–.01 10–0 1.5L
¶610664219
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM VI 06 15 10 18.7–.05 42.731N–.00 13.288E–.00 14–0 2.5L
¶617481161
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM VI 06 15 12 19.6–.07 42.959N–.00 13.043E–.00 3–0 1.2
¶616386716
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM VI 07 17 25 47.7–.11 43.002N–.00 13.023E–.01 8–0 1.0L
¶616386803
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM VI 09 01 43 44.3–.06 42.589N–.00 13.236E–.01 10–0 1.4L
¶610668112
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM VI 09 01 43 47.9–.04 43.042N–.00 13.111E–.00 8–0 1.9L
¶617481162
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC VI 09 12 15 44.7–.60 42.46N–.01 13.33E–.01 12–3 4.2b,3.4s 706 0-75
LDG VI 09 12 15 43.6–.10 42.48N 13.37E 13 3.5L,3.4s **¶610668990**
MOS VI 09 12 15 43.3–1.1 42.52N 13.27E 12 4.4b,3.4s
ROM VI 09 12 15 44.0–.03 42.453N–.00 13.349E–.00 12–0 3.9L,3.8W
PRU VI 09 12 15 44.3 42.38N 13.54E 10 4.2,3.8W
NEIC VI 09 12 15 45.0–1.1 42.50N–.05 13.28E–.07 10–1 4.2b,3.8W
BEO VI 09 12 15 45.7–.60 42.47N 13.36E 11–3 4.1L,3.8W
IDC VI 09 12 15 45.2–1.0 42.64N 13.51E 0 4.2b,4.1L
PDG VI 09 12 15 46.4–.62 42.49N 13.34E 32–2 4.0L,4.1L
STR VI 09 12 15 47.5–1.4 43N–6.0 13E–10 10 3.9,4.1L
TIR VI 09 12 15 53.2 41.09N 14.43E 2–48 4.2,4.1L
NAO VI 09 12 16 09.9 43.91N 14.50E 33 3.5b,4.1L
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=4.0km s-min=2.0km az=39.0.
MOS Error ellipse: s-maj=6.0km s-min=3.6km az=73.7.
ROM Event type se. Error ellipse: s-maj=0.2km s-min=0.0km az=249.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1. Moment Tensor Solution.
Moment tensor: Scale 10^{14}Nm; M_{rr}-2.14 $M_{\theta\theta}$1.46 $M_{\phi\phi}$0.69 $M_{r\theta}$3.43 $M_{\theta\phi}$-2.97 $M_{\phi r}$-4.84 NP1:
ϕ_s102.00000°,δ18.00000°,λ-133.00000°. NP2:ϕ_s326.00000°,δ77.00000°,λ-78.00000°.
$M_0$6.75202×10^{14}
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=7.2km az=52.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BEO Event type ke.
IDC Error ellipse: s-maj=16.6km s-min=11.7km az=71.0.
PDG Event type ke. Error ellipse: s-maj=2.6km s-min=4.4km az=0.0.
STR Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=106.8. manual.
smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. preliminary.
ISC VI 09 17 11 05.9–.78 43.11N–.02 10.95E–.02 17–5 230 0-49
STR VI 09 17 11 03.9–1.3 43N–6.0 11E–9.0 10 3.3 **¶610670921**
PRU VI 09 17 11 05.7 43.06N 11.14E 10 3.3
ROM VI 09 17 11 05.9–.11 43.128N–.00 11.014E–.01 9–0 3.0L
LDG VI 09 17 11 05.7–.12 43.13N 11.06E 6 3.2L
IDC VI 09 17 11 05.7–1.4 43.18N 11.32E 0 3.6,3.6L
ISC Event type ke.
STR Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=105.8. manual.
smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/alpes_taup-2.11. preliminary.
ROM Event type se. Error ellipse: s-maj=0.5km s-min=0.1km az=240.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
LDG Event type ke. Error ellipse: s-maj=3.2km s-min=2.6km az=5.0.
IDC Error ellipse: s-maj=43.3km s-min=14.8km az=101.0.
ROM VI 09 19 44 47.8–.09 42.810N–.00 13.136E–.00 9–0 0.9L
¶616387019
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM VI 09 21 33 35.3–.07 42.448N–.00 12.924E–.00 13–0 1.4L
¶616387035
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM VI 09 22 03 57.4–.10 42.971N–.00 13.049E–.00 5–0 1.1L
¶616387044
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM VI 10 03 47 22.7–.09 42.779N–.00 13.185E–.01 13–0 0.6L
¶616387089
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM VI 10 21 20 30.3–.04 42.813N–.00 13.128E–.00 12–0 2.1L
¶610669500
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM VI 11 08 58 46.1–.06 42.813N–.00 12.957E–.00 11–0 1.1L
¶610669622
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM VI 11 08 59 21.6–.05 42.560N–.00 12.784E–.00 10–0 2.3L
¶617481164
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM VI 12 03 08 42.4–.14 42.456N–.01 13.246E–.01 16–0 1.0L
¶616387356
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM VI 13 19 13 45.0–.06 42.891N–.00 13.099E–.00 12–0 1.3L
¶616387535
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM VI 17 12 18 42.9–.11 42.968N–.00 13.038E–.01 7–0 1.5L
¶616387872
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM VI 17 12 18 42.8–.07 43.249N–.00 12.712E–.01 10–0 1.4L
¶616387869
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM VI 17 20 29 00.9–.05 42.740N–.00 13.172E–.01 10–0 1.4L
¶616387882
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM VI 17 22 44 47.2–.03 42.955N–.00 13.129E–.00 9–0 2.7L
¶610681468
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM VI 19 10 51 41.8–.22 43.069N–.01 13.060E–.01 6–1 0.6
¶616388007
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM VI 19 12 06 09.5–.06 42.929N–.00 13.211E–.01 12–0 1.4L
¶616388019
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM VI 20 23 09 55.7–.11 42.910N–.00 13.182E–.00 15–0 1.3L
¶610686643
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC VI 20 23 10 21.7–.91 42.91N–.02 13.19E–.02 16–4 69 0-1
ROM VI 20 23 10 21.6–.04 42.913N–.00 13.186E–.00 14–0 1.9L **¶617481165**
ISC Event type se.
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM VI 21 12 31 40.6–.04 42.624N–.00 13.250E–.00 10–0 2.0L
¶610689207
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM VI 22 01 59 50.1–.06 43.063N–.00 13.025E–.01 8–0 1.6L
¶610693462
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM VI 23 13 19 11.7–.07 42.995N–.00 13.081E–.01 10–0 1.0L
¶616388384
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC VI 24 08 30 04.8–.70 42.89N–.01 13.11E–.01 7–4 3.8b 383 0-62
PRU VI 24 08 30 04.6 42.77N 13.57E 10 4.1 **¶610694380**
PDG VI 24 08 30 04.4–.84 42.94N 13.27E 0–11 4.0L
ROM VI 24 08 30 04.1–.03 42.888N–.00 13.124E–.00 8–0 3.5L,3.4W
LDG VI 24 08 30 06.5–.14 43.02N 13.32E 10 3.1L,3.4W
IDC VI 24 08 30 07.7–1.6 43.19N 13.23E 0 3.7,3.7b
BEO VI 24 08 30 11.0–.70 43.24N 13.70E 0 3.5L,3.7b
ISC Event type ke.
PDG Event type ke. Error ellipse: s-maj=1.2km s-min=1.1km az=90.0.
ROM Event type se. Error ellipse: s-maj=0.2km s-min=0.1km az=69.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1. Moment Tensor Solution.
Moment tensor: Scale 10^{14}Nm; M_{rr}-1.14 $M_{\theta\theta}$-0.12 $M_{\phi\phi}$1.26 $M_{r\theta}$0.12 $M_{\theta\phi}$0.06 $M_{\phi r}$-0.76 NP1:
ϕ_s190.00000°,δ29.00000°,λ-78.00000°. NP2:ϕ_s356.00000°,δ61.00000°,λ-97.00000°.
$M_0$1.42706×10^{14}
LDG Event type ke. Error ellipse: s-maj=4.5km s-min=2.5km az=11.0.
IDC Error ellipse: s-maj=29.2km s-min=15.9km az=71.0.
BEO Event type ke.
ROM VI 24 17 55 52.4–.12 42.880N–.00 13.232E–.01 15–0 0.4L
¶616388490
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM VI 25 10 03 03.8–.05 42.730N–.00 13.167E–.00 12–0 1.3L
¶616388563
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM VI 27 03 51 16.3–.04 42.899N–.00 13.172E–.00 12–0 1.6L
¶617195811
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM VI 29 02 56 37.3–.09 43.057N–.00 13.068E–.01 6–0 0.9L
¶616388859
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC VI 29 21 41 22.6–.69 42.63N–.01 13.18E–.02 13–4 3.7b 301 0-32
ROM VI 29 21 41 22.0–.03 42.635N–.00 13.211E–.00 11–0 3.5L,3.5W **¶610712017**
LDG VI 29 21 41 21.2–.11 42.66N 13.22E 11 3.0L,3.5W
IDC VI 29 21 41 22.5–1.2 42.73N 13.11E 0 3.8b,3.7
BEO VI 29 21 41 23.9–.60 42.64N 13.28E 3–1 3.5L,3.7
PRU VI 29 21 41 23.6 42.58N 13.64E 10 3.5L,3.7
ISC Event type ke.
ROM Event type se. Error ellipse: s-maj=0.2km s-min=0.1km az=249.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1. Moment Tensor Solution.
Moment tensor: Scale 10^{14}Nm; M_{rr}-1.59 $M_{\theta\theta}$0.42 $M_{\phi\phi}$1.17 $M_{r\theta}$0.59 $M_{\theta\phi}$-1.23 $M_{\phi r}$-1.61 NP1:
ϕ_s126.00000°,δ26.00000°,λ-118.00000°. NP2:ϕ_s336.00000°,δ67.00000°,λ-77.00000°.
$M_0$2.52316×10^{14}
LDG Event type ke. Error ellipse: s-maj=3.5km s-min=2.0km az=40.0.
IDC Error ellipse: s-maj=20.8km s-min=12.2km az=94.0.
BEO Event type ke.
ROM VI 29 21 56 34.7–.04 42.580N–.00 13.231E–.00 16–0 2.0L
¶610712020
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM VI 29 21 57 00.4–.05 42.643N–.00 13.213E–.00 11–0 1.1L
¶617481169
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC VI 30 00 25 18.7–.62 42.64N–.01 13.19E–.02 15–3 4.2b,3.4s 661 0-88

LDG VI 30 00 25 17.6–.17 42.65N 13.23E 12 3.4L,3.4s ¶610712028
ROM VI 30 00 25 18.0–.03 42.631N–.00 13.214E–.00 12–0 3.9L,3.8W
IDC VI 30 00 25 17.6–.75 42.73N 13.20E 0 3.8,3.8b
PDG VI 30 00 25 18.0–.88 42.70N 13.22E 12–1 4.1L,3.8b
MED_R VI 30 00 25 18.0–.90 42.63N 13.21E 10 4.1W,3.8b
MOS VI 30 00 25 18.4–.87 42.74N 13.27E 17 4.3b,3.8b
NAO VI 30 00 25 19.7 42.63N 13.21E 10 3.5b,3.8b
NEIC VI 30 00 25 19.4–1.4 42.68N–.05 13.23E–.05 10–1 4.1b,3.8b
PRU VI 30 00 25 19.6 42.60N 13.51E 10 4.1,3.8b
STR VI 30 00 25 20.8–.44 43N–6.0 13E–4.0 12 4.0,3.8b
BEO VI 30 00 25 20.2–.60 42.72N 13.34E 0 3.9L,3.8b
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=4.8km s-min=3.3km az=40.0.
ROM Event type se. Error ellipse: s-maj=0.2km s-min=0.0km az=77.0. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}-3.24 $M_{\theta\theta}$-0.38 $M_{\phi\phi}$3.62 $M_{r\theta}$2.46 $M_{\theta\phi}$-2.71 $M_{\phi r}$-3.10 NP1: ϕ_s172.00000°,δ25.00000°,λ-62.00000°. NP2:ϕ_s322.00000°,δ68.00000°,λ-102.00000°. $M_0$5.74523×10^{14}
IDC Error ellipse: s-maj=12.8km s-min=10.3km az=82.0.
PDG Event type ke. Error ellipse: s-maj=1.0km s-min=1.0km az=0.0.
MED_R nsta1 refers to body waves. nsta2 refers to surface waves, cutoff=35s. Moment Tensor Solution. Mantle waves: s9,c10;Duration: 1s0 Moment tensor: Scale 10^{15}Nm; M_{rr}-1.76±.26 $M_{\theta\theta}$1.30±.38; $M_{\phi\phi}$0.45±.16; $M_{r\theta}$-0.29±.63; $M_{\theta\phi}$-0.17±.12; $M_{\phi r}$0.05±.32; Best double couple: NP1:ϕ_s101.00000°,δ50.00000°,λ-90.00000°. NP2:ϕ_s281.00000°,δ40.00000°,λ-90.00000°. Principal axes: T 1.3600,Plg5.0000°,Azm191.0000°; N 0.4200,Plg0.0000°,Azm101.0000° ; P -1.7900,Plg85.0000°,Azm8.0000° $M_0$1.57000×10^{15}
MOS Error ellipse: s-maj=6.2km s-min=3.8km az=72.0.
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=5.4km az=22.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
STR Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=23.7. manual. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. preliminary.
BEO Event type ke.
ROM VI 30 00 37 42.6–.05 42.640N–.00 13.231E–.01 11–0 1.6L ¶610712029
ROM Event type se. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM VI 30 00 38 34.8–.03 42.637N–.00 13.216E–.00 11–0 2.0L ¶617481170
ROM Event type se. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC VI 30 00 39 58.2–.89 43.66N–.01 12.05E–.01 19–2 216 0-7
LDG VI 30 00 39 57.9–.05 43.66N 12.09E 9 3.1,2.8L ¶610712030
ROM VI 30 00 39 58.4–.05 43.657N–.00 12.076E–.00 8–0 3.1L,2.8L
PRU VI 30 00 40 00.5 43.60N 12.42E 10 3.1L,2.8L
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=1.4km s-min=0.9km az=27.0.
ROM Event type se. Error ellipse: s-maj=0.3km s-min=0.1km az=28.0. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM VI 30 01 41 16.2–.05 42.640N–.00 13.213E–.00 11–0 1.2L ¶616388950
ROM Event type se. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM VI 30 01 43 51.8–.04 42.631N–.00 13.217E–.00 11–0 1.5L ¶616388951
ROM Event type se. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM VI 30 13 23 44.9–.10 43.020N–.00 13.022E–.00 6–0 1.2L ¶616389025
ROM Event type se. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.

(382) Adriatic Sea.

ISC I 25 22 20 13.8–1.2 42.36N–.03 15.08E–.03 26–13 187 0-10
BEO I 25 22 20 12.2–.80 42.36N 15.05E 0 3.3L ¶614381355
LDG I 25 22 20 13.5–.12 42.35N 15.15E 10 3.4L
ROM I 25 22 20 13.7–.17 42.35N–.01 15.20E–.02 10 3.1L
PDG I 25 22 20 14.1–.52 42.38N 15.17E 17–1 3.1L
PRU I 25 22 20 14.4–.00 42.44N 15.10E 0 3.1L
ISC Event type ke.
BEO Event type ke.
LDG Event type ke. Error ellipse: s-maj=3.4km s-min=1.9km az=58.0.
ROM Event type ke. Error ellipse: s-maj=1.6km s-min=1.0km az=226.0. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
PDG Event type ke. Error ellipse: s-maj=0.7km s-min=0.8km az=0.0.
ISC III 05 05 14 53.0–.89 43.13N–.02 14.05E–.02 17–6 245 0-47
IDC III 05 05 14 50.9–1.6 43.11N 13.94E 0 3.5,3.5b ¶610245377
ROM III 05 05 14 52.2–.17 43.126N–.01 14.084E–.01 7–1 3.4L,3.5b
LDG III 05 05 14 52.7–.23 43.15N 14.30E 10 3.2L,3.5b
PRU III 05 05 14 54.1–.00 43.17N 14.24E 10 3.2L,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=36.3km s-min=16.8km az=88.0.
ROM Event type se. Error ellipse: s-maj=0.8km s-min=0.3km az=234.0. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
LDG Event type ke. Error ellipse: s-maj=5.9km s-min=3.6km az=74.0.
ISC IV 26 23 53 31.0–.79 42.40N–.02 15.19E–.02 10 140 0-10
LDG IV 26 23 53 26.4–.50 42.75N 15.45E 9 3.4L ¶610560083
BEO IV 26 23 53 31.9–1.2 42.27N 14.84E 0 3.1L
ROM IV 26 23 53 32.1–.13 42.398N–.01 15.22E–.01 10 3.2L
PRU IV 26 23 53 35.7–.00 42.63N 15.56E 10 3.2L
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=12.2km s-min=5.1km az=66.0.
BEO Event type ke.
ROM Event type ke. Error ellipse: s-maj=1.2km s-min=0.7km az=43.0. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC V 07 20 11 46.8–1.2 42.42N–.03 15.17E–.02 7–11 79 0-6
ROM V 07 20 11 47.3–.19 42.41N–.01 15.21E–.01 10 2.9L ¶610617931
ISC Event type se.
ROM Event type se. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC V 08 03 20 12.7–1.0 42.41N–.02 15.16E–.02 29–11 218 0-11
LDG V 08 03 20 11.9–.20 42.40N 15.29E 10 3.5L ¶610617953
BEO V 08 03 20 12.3–2.6 41.99N 14.73E 87–9 3.2L
ROM V 08 03 20 12.1–.11 42.418N–.01 15.24E–.01 10 3.3L
PRU V 08 03 20 15.0 42.59N 15.22E 0 3.3L
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=6.0km s-min=2.7km az=61.0.
BEO Event type ke.
ROM Event type se. Error ellipse: s-maj=1.1km s-min=0.6km az=235.0. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC V 17 15 43 11.3–1.1 42.59N–.02 16.16E–.02 5–9 121 1-7
PRU V 17 15 43 03.2 42.10N 16.86E 0 ¶610641847
RHSSO V 17 15 43 09.9–.51 42.53N 16.15E 6–3 3.5L
PDG V 17 15 43 10.8–.98 42.57N 16.21E 21–2 3.3L
ROM V 17 15 43 10.7–.12 42.588N–.01 16.30E–.01 27–0 3.3L
BEO V 17 15 43 11.3–.70 42.60N 16.20E 9–4 3.3L
ISC Event type ke.
PDG Event type ke. Error ellipse: s-maj=1.0km s-min=1.3km az=0.0.
ROM Event type se. Error ellipse: s-maj=0.7km s-min=0.6km az=261.0. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
BEO Event type ke.
ISC V 29 02 02 37.5–1.2 42.41N–.02 15.23E–.02 2–11 128 0-6
ROM V 29 02 02 38.0–.14 42.428N–.01 15.25E–.01 11 2.8L ¶610655452
ISC Event type se.
ROM Event type se. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC VI 13 11 16 38.6–1.1 42.47N–.02 15.18E–.02 9–9 165 0-9
ROM VI 13 11 16 38.3–.08 42.51N 15.35E 11 3.2L ¶610672777
LDG VI 13 11 16 41.5–.14 42.47N 15.30E 10 3.3L
ISC Event type ke.
ROM Event type se. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
LDG Event type ke. Error ellipse: s-maj=3.6km s-min=2.5km az=39.0.
ISC VI 15 06 22 36.5–1.2 42.50N–.02 15.31E–.03 4–11 48 1-6
ROM VI 15 06 22 35.6–.33 42.58N–.02 15.45E–.02 10 2.8L ¶610674318
ISC Event type se.
ROM Event type se. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC VI 17 19 45 39.3–1.1 42.46N–.02 15.19E–.02 9–8 3.5b 215 1-73
IDC VI 17 19 45 38.8–1.4 42.45N 15.23E 0 3.4,3.4b ¶610681451
LDG VI 17 19 45 39.1–.20 42.49N 15.09E 5 3.2L,3.4b
PDG VI 17 19 45 39.8–.76 42.48N 15.19E 5–3 3.5L,3.4b
ROM VI 17 19 45 40.2–.11 42.410N–.01 15.26E–.01 10 3.3L,3.4b
PRU VI 17 19 45 44.0 42.64N 15.40E 0 3.3L,3.4b
ISC Event type ke.
IDC Error ellipse: s-maj=29.7km s-min=20.2km az=69.0.
LDG Event type ke. Error ellipse: s-maj=6.5km s-min=3.4km az=48.0.
PDG Event type ke. Error ellipse: s-maj=2.0km s-min=1.6km az=90.0.
ROM Event type se. Error ellipse: s-maj=1.1km s-min=0.5km az=232.0. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC VI 22 09 50 07.0–.85 42.88N–.03 17.67E–.02 4–5 104 0-4
PDG VI 22 09 50 06.9–.03 42.85N 17.69E 3–0 2.5L ¶615319181
RHSSO VI 22 09 50 07.6–.25 42.88N 17.70E 3–2 2.3L
BEO VI 22 09 50 09.5–.70 42.99N 17.75E 8–3 2.1L
ISC Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.1km s-min=0.1km az=0.0.
BEO Event type ke.
ISC VI 30 12 42 07.7–1.2 42.28N–.03 15.86E–.03 11–10 59 0-6
ROM VI 30 12 42 07.8–.24 42.28N–.02 15.86E–.02 10 2.8L ¶610728745
ISC Event type se.
ROM Event type se. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.

(383) Northwestern Balkan Peninsula.

SKO I 02 21 12 50.5 41.37N 22.62E 0 0.4L ¶615371794
BEO I 04 05 54 12.9–.20 43.03N 20.20E 0 1.5L
PDG I 04 05 54 12.5–.14 43.02N 20.08E 13–1 1.8L ¶615316387
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.4km s-min=0.9km az=0.0.
ISC I 04 13 27 23.8–.78 45.60N–.01 14.47E–.01 12–5 177 0-4
ROM I 04 13 27 23.0–.42 45.56N–.01 14.53E–.04 7 2.4L ¶609985568
LJU I 04 13 27 23.3–.55 45.61N 14.47E 12 2.3L
PRU I 04 13 27 23.5–.00 45.59N 14.39E 10 2.3L
VIE I 04 13 27 23.1 45.61N 14.49E 15 2.7L,2.2b
RHSSO I 04 13 27 24.2–.26 45.60N 14.48E 3–2 2.4L,2.2b
ISC Event type se.
ROM Event type se. Error ellipse: s-maj=3.0km s-min=1.3km az=256.0. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
LJU Error ellipse: s-maj=1.2km s-min=1.4km az=-1.0.
VIE 30 km NNE of Rijeka .
ISC I 04 17 10 21.4–.00 44.13N–.02 17.31E–.02 5–8 142 0-5
BEO I 04 17 10 21.0–.40 44.16N 17.23E 0 2.5L ¶611306269
RHSSO I 04 17 10 21.9–.18 44.12N 17.32E 3–1 2.7L
ISC Event type ke.
BEO Event type ke.
ISC I 05 20 14 56.2–1.1 43.50N–.02 17.47E–.02 1–9 118 0-6
RHSSO I 05 20 14 56.9–.22 43.49N 17.45E 8–1 2.7L ¶610050479
BEO I 05 20 14 56.8–.50 43.49N 17.40E 2–3 2.5L
PRU I 05 20 14 56.1–.00 43.63N 17.99E 0 2.5L
ISC Event type ke.
BEO Event type ke.
ISC I 05 21 18 56.8–.96 44.43N–.02 16.25E–.02 16–9 83 0-4
RHSSO I 05 21 18 59.2–.35 44.38N 16.29E 3–1 2.4L ¶611306286
VIE I 05 21 19 03.7 44.63N 16.13E 10 2.7b,1.9L
ISC Event type ke.
VIE 106 km SSE of Karlovac .
LJU I 07 19 18 05.0–.30 46.06N 14.72E 8–1 0.2L ¶616063572
LJU Error ellipse: s-maj=0.7km s-min=0.9km az=-1.0.
ISC I 09 02 19 40.8–1.1 42.87N–.02 20.73E–.01 1–9 152 0-8
BEO I 09 02 19 41.6–.30 42.84N 20.74E 0–3 2.6L ¶610049852
PDG I 09 02 19 41.7–.61 42.91N 20.66E 13–1 2.5L
RHSSO I 09 02 19 43.3–.61 42.92N 20.65E 4–2 2.5L
ISC Event type ke.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=1.1km s-min=1.2km az=0.0.
ISC I 10 23 17 24.0–.92 43.91N–.02 16.44E–.02 8–7 114 0-6
PRU I 10 23 17 22.8–.00 43.84N 16.28E 0 ¶610064808
BEO I 10 23 17 22.9–.60 43.89N 16.21E 0 2.4L
RHSSO I 10 23 17 24.5–.36 43.90N 16.45E 4–1 2.5L
ISC Event type ke.
BEO Event type ke.
ISC I 12 19 42 10.2–.89 43.07N–.02 18.31E–.01 11–7 150 0-5
BEO I 12 19 42 10.2–.20 43.10N 18.28E 3–1 2.5L ¶611306395
RHSSO I 12 19 42 10.6–.17 43.05N 18.31E 7–2 2.6L
PDG I 12 19 42 10.6–.17 43.01N 18.32E 16–0 2.8,2.7L
ISC Event type ke.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.3km s-min=0.6km az=0.0.
ISC I 16 03 16 41.0–.84 42.47N–.01 20.03E–.01 6–5 3.5b 348 0-84
RHSSO I 16 03 16 40.7–.48 42.45N 20.11E 2–2 3.6L ¶610095186
PDG I 16 03 16 40.6–.60 42.46N 20.07E 2–1 3.5,3.4L
IDC I 16 03 16 40.8–.76 42.47N 20.09E 0 3.6,3.6b
SKO I 16 03 16 41.3 42.50N 19.95E 23 3.5L,3.6b
LDG I 16 03 16 41.5–.15 42.47N 20.20E 5 3.5L,3.6b
BEO I 16 03 16 41.4–.20 42.46N 20.06E 6–1 3.3L,3.6b
TIR I 16 03 16 41.9 42.34N 20.05E 2–2 4.0L,3.5
PRU I 16 03 16 43.5–.00 42.50N 20.04E 1 4.0L,3.5
ISC Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=0.8km az=0.0.
IDC Error ellipse: s-maj=14.4km s-min=11.9km az=139.0.
LDG Event type ke. Error ellipse: s-maj=4.2km s-min=2.9km az=41.0.
BEO Event type ke.
ISC I 27 01 02 18.2–.98 43.15N–.02 20.93E–.01 7–8 94 0-5
RHSSO I 27 01 02 19.1–.59 43.11N 20.92E 3–2 2.5L ¶615316652
BEO I 27 01 02 19.7–.30 43.17N 20.97E 0 2.3L
ISC Event type ke.
BEO Event type ke.
ISC I 31 06 39 34.2–.87 44.43N–.02 15.58E–.02 14–7 58 0-3
VIE I 31 06 39 34.5 44.45N 15.47E 4 2.5L ¶611306674
RHSSO I 31 06 39 35.1–.51 44.42N 15.61E 5–2 2.0L

ISC Event type ke.
VIE 116 km S of Karlovac .
RHSSO II 06 12 17 55.8–.50 44.92N 17.03E 5–3 1.4L
¶615327503
SKO II 13 12 49 01.1 41.77N 22.33E 28 1.3L
¶615371979
RHSSO II 16 12 26 27.6–.32 43.38N 19.07E 4–3 1.4L
¶615327590
ISC II 28 22 03 54.6–.83 42.71N–.02 19.83E–.02 12–5 77 0-3
RHSSO II 28 22 03 52.2–.53 42.65N 20.05E 8–2 3.2L ¶615316945
PDG II 28 22 03 55.7–.12 42.75N 19.82E 9–1 3.2,3.1L
BEO II 28 22 03 56.3–.30 42.73N 19.84E 3–3 2.8L,3.1L
ISC Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.2km s-min=0.3km az=0.0.
BEO Event type ke.
ISC III 02 06 36 23.5–1.0 43.40N–.01 18.96E–.01 4–7 3.5b 235 0-68
IDC III 02 06 36 23.7–1.1 43.50N 18.97E 0 3.4,3.4b ¶610243165
RHSSO III 02 06 36 23.8–.16 43.40N 18.97E 2–1 3.7L,3.4b
PDG III 02 06 36 24.2–.11 43.35N 18.92E 10–0 3.6,3.5L
BEO III 02 06 36 24.3–.20 43.40N 18.95E 3–2 3.6L,3.5L
PRU III 02 06 36 26.3–.00 43.52N 18.81E 0 3.6L,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=16.0km s-min=10.8km az=27.0.
PDG Event type ke. Error ellipse: s-maj=0.3km s-min=0.2km az=90.0.
BEO Event type ke.
ISC III 02 19 17 28.3–.97 43.44N–.02 19.10E–.02 8–8 43 0-2
RHSSO III 02 19 17 28.7–.22 43.46N 19.09E 3–2 1.5L ¶615316960
BEO III 02 19 17 29.6–.30 43.42N 19.10E 0 1.3L
ISC Event type ke.
BEO Event type ke.
ISC III 09 01 53 27.2–1.2 42.08N–.02 20.55E–.02 1–10 71 0-4
TIR III 09 01 53 25.6 42.08N 20.66E 6–2 2.5,1.9L ¶612185404
SKO III 09 01 53 26.7 42.11N 20.56E 16 2.5,1.9L
BEO III 09 01 53 27.8–.50 42.00N 20.53E 0 1.9L,1.9L
PDG III 09 01 53 27.2–.14 42.12N 20.59E 7–0 2.4L,1.9L
ISC Event type ke.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.5km s-min=0.3km az=90.0.
ISC III 13 01 31 54.6–.85 43.71N–.02 16.81E–.02 16–6 3.9b 506 0-73
BEO III 13 01 31 53.5–.50 43.76N 16.71E 1–2 3.7L ¶610326167
PDG III 13 01 31 53.9–.64 43.74N 16.88E 7–1 4.1,4.0L
IDC III 13 01 31 54.0–1.0 43.80N 16.87E 0 3.5,3.4b
LDG III 13 01 31 54.4–.22 43.81N 16.92E 8 3.7L,3.4b
RHSSO III 13 01 31 54.6–.28 43.72N 16.87E 3–1 4.0L,3.4b
NEIC III 13 01 31 55.7–1.8 43.71N–.05 16.83E–.06 16–3 4.1b,3.4b
ROM III 13 01 31 56.2 43.80N 16.86E 10 4.1b,3.4b
PRU III 13 01 31 57.6–.00 43.80N 16.81E 10 4.1,3.4b
THE III 13 01 31 58.0 43.33N 16.68E 12–43 3.8L,3.4b
ISC Event type ke.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.5km s-min=0.6km az=0.0.
IDC Error ellipse: s-maj=15.5km s-min=11.7km az=62.0.
LDG Event type ke. Error ellipse: s-maj=8.1km s-min=4.4km az=26.0.
NEIC Event type se. Error ellipse: s-maj=8.0km s-min=6.4km az=191.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ROM Event type se. Error ellipse: s-maj=2.2km s-min=0.2km az=39.0. automatic. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=141. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
THE Event type ke. Error ellipse: s-maj=57.8km s-min=2.5km az=310.0.
ISC III 27 05 19 43.6–1.1 43.48N–.02 17.43E–.01 2–9 186 0-7
PDG III 27 05 19 43.1–.11 43.46N 17.39E 1–0 3.4,3.3L ¶610435266
BEO III 27 05 19 43.8–.40 43.47N 17.38E 10–2 2.9L,3.3L
RHSSO III 27 05 19 44.0–.23 43.45N 17.42E 5–1 3.2L,3.3L
PRU III 27 05 19 45.2–.00 43.57N 17.33E 0 3.2L,3.3L
ISC Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.4km s-min=0.5km az=0.0.
BEO Event type ke.
ISC III 29 06 17 51.5–.92 44.65N–.02 16.67E–.02 9–8 82 0-3
RHSSO III 29 06 17 52.1–.19 44.65N 16.63E 3–1 2.6L ¶610476498
VIE III 29 06 17 57.0 44.98N 16.42E 8 2.3b,2.1L
ISC Event type ke.
VIE 89 km SE of Karlovac .
ISC III 29 23 37 59.9–1.0 44.07N–.01 18.58E–.01 5–7 3.6b 335 0-90
TIR III 29 23 37 57.3 43.91N 18.35E 12–1 4.0,3.8L ¶610452487
PRU III 29 23 37 58.6–.00 43.88N 18.60E 1 4.0,3.8L
IDC III 29 23 37 59.5–.78 44.07N 18.57E 0 3.6,3.6b
LDG III 29 23 37 59.9–.11 44.11N 18.65E 4 3.3L,3.6b
PDG III 29 23 37 59.6–.46 44.08N 18.63E 10–0 3.7,3.6L
RHSSO III 29 23 38 00.2–.17 44.06N 18.60E 4–1 3.7L,3.6L
BEO III 29 23 38 00.5–.20 44.08N 18.60E 8–1 3.6L,3.6L
BGR III 29 23 38 09.6–3.1 44.50N 18.22E 5 3.7L,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=12.3km s-min=11.3km az=30.0.
LDG Event type ke. Error ellipse: s-maj=3.0km s-min=2.3km az=45.0.
PDG Event type ke. Error ellipse: s-maj=0.4km s-min=0.5km az=0.0.
BEO Event type ke.
BGR Event type ke. Error ellipse: s-maj=47.8km s-min=11.1km az=146.0.
KRSZO IV 02 00 00 56.8–1.3 45.95N 17.07E 7–11 2.0L
¶617153868
KRSZO Event type ke. Error ellipse: s-maj=6.0km s-min=4.1km az=176.0.
ISC IV 06 04 28 07.9–1.1 43.46N–.02 17.41E–.02 3–9 130 0-6
BEO IV 06 04 28 07.8–.50 43.46N 17.35E 0 2.5L ¶611626725
PDG IV 06 04 28 07.4–.30 43.45N 17.37E 8–0 2.6L
RHSSO IV 06 04 28 08.4–.22 43.46N 17.43E 4–1 2.6L
ISC Event type ke.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=1.0km az=0.0.
BEO IV 07 12 20 14.8–.50 42.69N 20.98E 0 1.4L
¶615317272
BEO Event type ke.
ISC IV 07 23 50 04.9–.94 42.53N–.01 20.05E–.01 5–7 184 0-7
TIR IV 07 23 50 03.6 42.50N 20.18E 0–2 3.1,3.0L ¶616566821
PDG IV 07 23 50 04.5–.26 42.51N 20.02E 11–0 3.1,3.0L
SKO IV 07 23 50 05.6 42.56N 19.98E 7 2.9L,3.0L
RHSSO IV 07 23 50 05.4–.47 42.53N 20.04E 3–1 2.8L,3.0L
BEO IV 07 23 50 05.2–.20 42.53N 20.03E 4–2 2.5L,3.0L
ISC Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.4km s-min=0.5km az=0.0.
BEO Event type ke.
ISC IV 09 05 40 02.8–.94 41.07N–.02 21.96E–.01 10–7 3.4b 342 0-74
NAO IV 09 05 39 42.3 39.21N 24.42E 33 3.7b ¶610523773
PRU IV 09 05 40 00.5–.00 40.71N 22.10E 10 3.7b
IDC IV 09 05 40 01.2–.85 41.06N 21.88E 0 3.5,3.5b
SOF IV 09 05 40 01.9 41.01N 21.90E 18 3.6,3.5b
THE IV 09 05 40 02.7 41.09N 21.96E 3–1 3.4L,3.5b
SKO IV 09 05 40 02.5 41.07N 21.97E 16 3.7L,3.5b
TIR IV 09 05 40 02.9 41.04N 21.94E 15–2 3.5,3.5b
BEO IV 09 05 40 03.3–.40 41.09N 21.96E 6–2 3.4L,3.5b
ATH IV 09 05 40 03.5 41.10N 21.99E 9–1 3.4L,3.5b
PDG IV 09 05 40 04.0–1.5 41.10N 21.99E 18–2 3.7L,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=12.8km s-min=11.8km az=144.0.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.5km az=167.0.
BEO Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.8km s-min=1.0km az=154.0.
PDG Event type ke. Error ellipse: s-maj=1.1km s-min=1.7km az=0.0.
ISC IV 09 20 24 20.8–1.0 44.14N–.03 16.26E–.03 7–14 26 0-2
RHSSO IV 09 20 24 22.8–.67 44.19N 16.34E 5–4 1.2L ¶615330130
ISC Event type ke.
ISC IV 13 10 13 33.0–1.1 43.56N–.02 17.68E–.02 1–10 163 0-6
PRU IV 13 10 13 31.9–.00 43.56N 18.39E 10 ¶610527268
BEO IV 13 10 13 33.0–.40 43.59N 17.57E 5–2 3.0L
PDG IV 13 10 13 33.4–.12 43.51N 17.64E 4–0 3.1L
RHSSO IV 13 10 13 33.8–.19 43.54N 17.68E 6–1 3.1L
ISC Event type ke.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.3km s-min=0.4km az=0.0.
SKO IV 24 14 12 26.2 41.71N 22.47E 9
¶615363805
ISC IV 27 15 00 47.0–1.2 43.13N–.06 17.45E–.06 2–12 26 0-2
RHSSO IV 27 15 00 47.8–.39 43.10N 17.48E 7–2 2.0L ¶615330248
ISC Event type ke.
ISC IV 28 13 04 38.7–.96 43.62N–.02 16.79E–.02 13–6 3.9b 327 0-81
IDC IV 28 13 04 37.2–1.3 43.63N 16.94E 0 3.9,3.8b ¶610585847
RHSSO IV 28 13 04 39.0–.31 43.60N 16.80E 5–1 3.8L,3.8b
BEO IV 28 13 04 39.7–.50 43.65N 16.83E 0 3.5L,3.8b
PDG IV 28 13 04 39.0–.96 43.56N 16.84E 10–1 3.7,3.6L
PRU IV 28 13 04 41.1–.00 43.65N 16.99E 10 3.7,3.6L
LDG IV 28 13 04 42.7–.18 43.66N 16.77E 10 3.7L,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=25.8km s-min=11.6km az=51.0.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.9km s-min=1.3km az=0.0.
LDG Event type ke. Error ellipse: s-maj=5.4km s-min=3.9km az=20.0.
ISC IV 29 00 07 37.3–1.0 41.33N–.04 22.75E–.04 5–11 29 0-4
BEO IV 29 00 07 36.7–.80 41.20N 22.99E 5–4 3.1L ¶611015795
SKO IV 29 00 07 36.5 41.36N 22.75E 12 2.0L
THE IV 29 00 07 38.9 41.26N 22.76E 2–38 2.1L
ISC Event type ke.
BEO Event type ke.
THE Event type ke. Error ellipse: s-maj=38.0km s-min=1.7km az=141.0.
ISC IV 29 00 07 44.4–.85 41.33N–.02 22.76E–.03 12–6 38 0-2
SOF IV 29 00 07 44.1 41.34N 22.72E 3 3.1 ¶615363837
SKO IV 29 00 07 44.6 41.30N 22.72E 14 2.5L
ISC Event type ke.
ISC V 01 08 49 45.2–1.1 45.19N–.03 14.81E–.03 10–10 22 0-1
¶617209431
ISC Event type ke.
SKO V 02 13 22 11.6 41.58N 22.19E 5 0.5L
¶617229467
BEO V 02 13 23 09.4–.50 42.59N 21.12E 9–5 1.4L
¶615317552
BEO Event type ke.
ISC V 04 08 58 14.5–.98 42.02N–.01 20.26E–.01 9–7 4.3b 284 0-69
TIR V 04 08 58 13.3 42.01N 20.31E 0–3 3.4,3.4L ¶610594005
MOS V 04 08 58 13.8–.88 42.06N 20.23E 12 4.2b,3.4L
RHSSO V 04 08 58 13.8–.56 41.96N 20.32E 3–2 3.7L,3.4L
THE V 04 08 58 14.4 42.03N 20.26E 2–2 3.1L,3.4L
NEIC V 04 08 58 14.8–1.7 42.02N–.04 20.22E–.05 7–5 4.0b,3.4L
SKO V 04 08 58 14.9 42.03N 20.24E 16 3.4L,3.4L
PDG V 04 08 58 14.1–.32 42.01N 20.24E 10–0 3.7,3.6L
BEO V 04 08 58 14.6–.20 42.00N 20.27E 15–2 3.2L,3.6L
PRU V 04 08 58 17.2 42.11N 20.51E 10 4.0,3.6L
ISC Event type ke.
MOS Error ellipse: s-maj=8.6km s-min=5.0km az=96.9.
THE Event type ke. Error ellipse: s-maj=2.9km s-min=1.2km az=329.0.
NEIC Event type se. Error ellipse: s-maj=6.7km s-min=4.9km az=136.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=0.7km az=0.0.
BEO Event type ke.
RHSSO V 04 11 04 47.8–.60 44.88N 16.90E 5–4 1.1L
¶611627311
ISC V 04 20 29 19.4–.97 43.14N–.02 17.66E–.02 8–8 213 0-7
BEO V 04 20 29 18.5–.50 43.09N 17.74E 0 3.1L ¶610598510
RHSSO V 04 20 29 19.7–.22 43.13N 17.65E 5–1 3.4L
PDG V 04 20 29 19.5–.35 43.11N 17.67E 11–1 3.5,3.4L
PRU V 04 20 29 23.0 43.30N 17.61E 7 3.5,3.4L
ISC Event type ke.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=1.1km s-min=0.7km az=90.0.
ISC V 08 04 20 40.0–.81 42.38N–.02 19.47E–.02 17–5 103 0-3
TIR V 08 04 20 35.6 42.34N 19.22E 31–4 3.1,2.4L ¶612185476
RHSSO V 08 04 20 39.5–.49 42.35N 19.56E 6–2 2.2L,2.4L
PDG V 08 04 20 39.4–.20 42.36N 19.48E 20–1 2.2L,2.4L
BEO V 08 04 20 39.9–.40 42.33N 19.57E 4–3 1.9L,2.4L
ISC Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.5km s-min=0.5km az=0.0.
BEO Event type ke.
ISC V 09 05 02 33.0–.91 42.34N–.02 19.50E–.01 14–7 122 0-5
TIR V 09 05 02 31.6 42.33N 19.44E 17–0 2.5,1.8L ¶612185480
RHSSO V 09 05 02 32.8–.47 42.33N 19.56E 6–1 2.7L,1.8L
PDG V 09 05 02 32.7–.25 42.33N 19.48E 20–0 2.6L,1.8L
BEO V 09 05 02 33.9–.30 42.43N 19.52E 12–4 2.2L,1.8L
ISC Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.4km s-min=0.5km az=0.0.
BEO Event type ke.
ISC V 13 19 56 55.8–.99 43.44N–.02 17.35E–.01 6–8 157 0-6
PDG V 13 19 56 54.9–.43 43.41N 17.32E 6–1 2.8L ¶610639725
RHSSO V 13 19 56 55.7–.27 43.42N 17.32E 6–1 2.7L
BEO V 13 19 56 55.7–.50 43.45N 17.29E 3–3 2.4L
PRU V 13 19 56 57.0 43.45N 17.22E 1 2.4L
ISC Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.8km s-min=1.5km az=0.0.
BEO Event type ke.
ISC V 14 02 08 27.9–.84 41.97N–.01 21.59E–.01 7–6 3.8b,3.2s 496 0-92
PRU V 14 02 08 24.8 41.73N 22.12E 10 4.0,3.2s ¶610638589
SOF V 14 02 08 25.6 41.89N 21.48E 5 3.6,3.2s
TIR V 14 02 08 25.9 42.01N 21.65E 20–2 4.3L,4.2
IDC V 14 02 08 26.8–.70 41.98N 21.51E 0 3.8b,3.7
SKO V 14 02 08 27.4 41.97N 21.59E 12 4.2L,3.7
THE V 14 02 08 28.7 41.95N 21.58E 2–1 3.6L,3.7
PDG V 14 02 08 28.0–.36 42.00N 21.63E 10–0 3.9,3.8L
BEO V 14 02 08 28.3–.20 41.97N 21.55E 10–2 3.8L,3.8L
ATH V 14 02 08 28.2 41.96N 21.64E 22–1 3.6L,3.8L
NEIC V 14 02 08 29.5–1.6 41.95N–.05 21.50E–.06 14–7 4.0b,3.8L
ISK V 14 02 08 35.1 41.61N 22.05E 70–0 3.6L,3.8L
ISC Event type ke.
IDC Error ellipse: s-maj=10.0km s-min=9.1km az=24.0.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.6km az=182.0.
PDG Event type ke. Error ellipse: s-maj=1.0km s-min=0.9km az=90.0.
BEO Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.8km s-min=1.2km az=152.0. ML Amplitudes are
expressed in micrometers.
NEIC Event type se. Error ellipse: s-maj=6.8km s-min=6.6km az=117.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISK Event type ke.
LJU V 16 15 46 40.3 46.10N 14.04E 14 1.3L
VIE V 16 15 46 40.4 46.11N 14.06E 14 1.5L,1.1b ¶611627552
VIE 12 km NNE of Idrija .
ISC V 19 08 08 33.9–1.1 44.64N–.02 18.48E–.01 3–9 123 0-5
RHSSO V 19 08 08 34.7–.17 44.65N 18.46E 2–1 2.8L ¶610643033
BEO V 19 08 08 35.1–.30 44.63N 18.49E 10–2 2.5L
ISC Event type ke.
BEO Event type ke.
ISC V 20 16 12 27.6–1.0 44.22N–.02 20.27E–.01 5–8 151 0-9
PDG V 20 16 12 27.4–.41 44.19N 20.28E 14–0 3.0L ¶610646014
BEO V 20 16 12 27.9–.30 44.19N 20.27E 4–2 2.8L
RHSSO V 20 16 12 28.2–.41 44.21N 20.25E 4–1 2.9L
PRU V 20 16 12 28.0 44.29N 20.36E 0 2.9L

ISC	Event type ke.							
PDG	Event type ke. Error ellipse: s-maj=0.5km s-min=0.7km az=0.0.							
BEO	Event type ke.							
SKO	**V**	**22 11 11 41.7**	**41.68N**	**22.27E**	**1**	**1.3L**		
								¶615363962
KRSZO	**V**	**23 08 04 35.0–1.4**	**45.48N**	**17.91E**	**6–11**	**1.9L**		
								¶610657328
KRSZO	Event type ke. Error ellipse: s-maj=12.1km s-min=5.0km az=119.0.							
RHSSO	**V**	**24 06 45 27.2–.58**	**44.08N**	**17.52E**	**2**	**1.5L**		
								¶615330444
RHSSO	**V**	**27 12 09 13.0–.18**	**43.88N**	**18.22E**	**6–3**	**1.8L**		
BEO	V	27 12 09 13.2–.40	43.88N	18.29E	7–7	1.6L		**¶615318184**
BEO	Event type ke.							
ISC	**V**	**30 11 14 23.8–.97**	**43.30N–.02**	**17.59E–.02**	**12–8**		**109 0-3**	
RHSSO	V	30 11 14 24.8–.21	43.31N	17.61E	3–1	2.4L		**¶615318231**
BEO	V	30 11 14 24.6–.40	43.32N	17.58E	0	2.3L		
PDG	V	30 11 14 24.2–.08	43.30N	17.67E	7–0	2.5L		
ISC	Event type ke.							
BEO	Event type ke.							
PDG	Event type ke. Error ellipse: s-maj=0.2km s-min=0.3km az=0.0.							
ISC	**VI**	**07 08 11 38.0–.85**	**43.25N–.01**	**18.24E–.01**	**11–6**		**171 0-6**	
PDG	VI	07 08 11 37.5–.09	43.25N	18.20E	10–0	3.2,3.1L		**¶611016779**
RHSSO	VI	07 08 11 38.5–.16	43.24N	18.20E	5–1	3.1L,3.1L		
BEO	VI	07 08 11 38.0–.30	43.23N	18.15E	19–2	2.9L,3.1L		
THE	VI	07 08 11 39.2	43.15N	18.04E	10–46	2.9L,3.1L		
ISC	Event type ke.							
PDG	Event type ke. Error ellipse: s-maj=0.3km s-min=0.2km az=90.0.							
BEO	Event type ke.							
THE	Event type ke. Error ellipse: s-maj=61.8km s-min=5.9km az=314.0.							
ISC	**VI**	**07 16 57 57.1–.83**	**43.22N–.02**	**18.20E–.01**	**14–6**		**132 0-5**	
BEO	VI	07 16 57 56.7–.30	43.25N	18.15E	14–2	2.3L		**¶611627770**
PDG	VI	07 16 57 57.1–.07	43.18N	18.20E	16–0	2.6L		
RHSSO	VI	07 16 57 57.5–.16	43.23N	18.21E	8–1	2.5L		
ISC	Event type ke.							
BEO	Event type ke.							
PDG	Event type ke. Error ellipse: s-maj=0.2km s-min=0.2km az=90.0.							
ISC	**VI**	**08 13 06 17.6–.81**	**43.24N–.02**	**18.19E–.01**	**16–5**		**126 0-6**	
RHSSO	VI	08 13 06 17.6–.16	43.24N	18.20E	11–1	2.9L		**¶611627778**
PDG	VI	08 13 06 17.6–.04	43.21N	18.19E	13–0	3.1,3.1L		
BEO	VI	08 13 06 17.2–.30	43.24N	18.16E	17–3	2.7L,3.1L		
ISC	Event type ke.							
PDG	Event type ke.							
BEO	Event type ke.							
ISC	**VI**	**13 22 29 11.5–.85**	**43.18N–.02**	**17.78E–.02**	**10–5**	**4.2b,3.2s**	**457 0-90**	
TIR	VI	13 22 29 08.6	42.97N	17.20E	25–0	4.3,3.2s		**¶610673001**
MOS	VI	13 22 29 10.6–1.0	43.17N	17.73E	12	4.6b,3.2s		
IDC	VI	13 22 29 10.1–1.1	43.09N	17.84E	0	3.9b,3.7		
BEO	VI	13 22 29 11.1–.30	43.23N	17.75E	3–1	3.8L,3.7		
RHSSO	VI	13 22 29 11.5–.19	43.20N	17.79E	3–1	3.9L,3.7		
PDG	VI	13 22 29 11.1–.56	43.20N	17.82E	9–1	4.0,3.9L		
NEIC	VI	13 22 29 11.6–1.3	43.21N–.04	17.76E–.06	5–6	4.1b,3.8L		
LDG	VI	13 22 29 12.0–.11	43.14N	17.89E	2	3.8L,3.8L		
PRU	VI	13 22 29 15.6	43.35N	17.75E	0	4.1,3.8L		
NAO	VI	13 22 29 22.4	43.20N	17.79E	33	3.2b,3.8L		
ISC	Event type ke.							
MOS	Error ellipse: s-maj=6.4km s-min=3.7km az=95.9.							
IDC	Error ellipse: s-maj=20.8km s-min=13.4km az=33.0.							
BEO	Event type ke.							
PDG	Event type ke. Error ellipse: s-maj=0.5km s-min=0.6km az=0.0.							
NEIC	Event type se. Error ellipse: s-maj=6.3km s-min=6.1km az=151.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
LDG	Event type ke. Error ellipse: s-maj=4.1km s-min=2.2km az=21.0.							
LJU	**VI**	**13 22 29 54.7**	**46.11N**	**14.83E**	**6**	**0.9L**		
								¶617195741
LJU	**VI**	**16 13 25 47.7**	**46.01N**	**14.26E**	**7**	**0.8L**		
								¶612173496
ISC	**VI**	**18 07 54 47.6–.54**	**42.60N–.02**	**18.96E–.01**	**13**		**274 0-44**	
TIR	VI	18 07 54 47.7	42.63N	18.98E	28–2	4.0,3.9L		**¶610681505**
PDG	VI	18 07 54 48.5–.36	42.60N	18.98E	18–0	3.9,3.8L		
BEO	VI	18 07 54 48.6–.30	42.60N	18.99E	12–1	3.6L,3.8L		
RHSSO	VI	18 07 54 49.0–.21	42.60N	19.00E	3–1	3.8L,3.8L		
LDG	VI	18 07 54 50.6–.22	42.59N	18.90E	10	3.5L,3.8L		
IDC	VI	18 07 54 50.2–2.5	42.43N	18.92E	51–25	3.5,3.4b		
PRU	VI	18 07 54 51.5	42.63N	18.89E	10	3.5,3.4b		
ISC	Event type ke.							
PDG	Event type ke. Error ellipse: s-maj=0.4km s-min=0.5km az=0.0.							
BEO	Event type ke.							
LDG	Event type ke. Error ellipse: s-maj=6.8km s-min=4.5km az=28.0.							
IDC	Error ellipse: s-maj=27.8km s-min=15.6km az=15.0.							
ISC	**VI**	**19 11 06 11.5–1.1**	**44.89N–.02**	**18.48E–.01**	**3–9**		**98 0-3**	
RHSSO	VI	19 11 06 12.3–.21	44.86N	18.47E	3–1	2.5L		**¶610694738**
BEO	VI	19 11 06 12.0–.40	44.91N	18.49E	9–2	2.4L		
ISC	Event type ke.							
BEO	Event type ke.							
RHSSO	**VI**	**20 14 18 29.5–.34**	**44.60N**	**16.24E**	**4–3**	**1.6L**		
								¶615330600
BEO	**VI**	**20 17 32 08.4–.20**	**43.61N**	**20.52E**	**0**	**1.5L**		
RHSSO	VI	20 17 32 09.4–.86	43.60N	20.39E	5	1.7L		**¶615319151**
BEO	Event type ke.							
ISC	**VI**	**21 00 26 10.6–.85**	**43.15N–.01**	**19.14E–.01**	**11–6**		**131 0-5**	
PDG	VI	21 00 26 10.4–.11	43.13N	19.13E	15–0	2.6L		**¶611627922**
RHSSO	VI	21 00 26 10.8–.19	43.16N	19.17E	3–1	2.4L		
BEO	VI	21 00 26 11.4–.40	43.15N	19.17E	0	2.2L		
ISC	Event type ke.							
PDG	Event type ke. Error ellipse: s-maj=0.2km s-min=0.2km az=90.0.							
BEO	Event type ke.							
BEO	**VI**	**21 09 20 56.5–.50**	**43.20N**	**20.57E**	**10–4**	**1.5L**		
								¶615319164
BEO	Event type ke.							
RHSSO	**VI**	**27 00 32 35.8–.27**	**42.72N**	**18.51E**	**5–2**	**1.5L**		
								¶615330648
ISC	**VI**	**27 08 53 18.4–.80**	**42.71N–.02**	**18.53E–.02**	**13–5**		**136 0-8**	
PDG	VI	27 08 53 17.5–.11	42.73N	18.47E	20–0	3.6,3.5L		**¶610695216**
BEO	VI	27 08 53 17.8–.30	42.68N	18.55E	3–2	3.2L,3.5L		
RHSSO	VI	27 08 53 18.5–.20	42.72N	18.50E	5–1	3.4L,3.5L		
ISC	Event type ke.							
PDG	Event type ke. Error ellipse: s-maj=0.2km s-min=0.2km az=90.0.							
BEO	Event type ke.							
ISC	**VI**	**28 12 05 45.0–.84**	**42.62N–.02**	**18.17E–.01**	**8–5**		**210 0-7**	
NEIC	VI	28 12 05 44.3–2.1	42.65N–.05	18.12E–.03	3–10	2.9L		**¶610697647**
BEO	VI	28 12 05 45.8–.40	42.65N	18.18E	4–1	3.1L		
PDG	VI	28 12 05 45.7–.38	42.69N	18.25E	1–1	3.3,3.2L		
TIR	VI	28 12 05 45.6	42.46N	18.20E	34–11	4.3,3.1L		
RHSSO	VI	28 12 05 46.0–.26	42.64N	18.22E	3–1	3.3L,3.1L		
ISC	Event type ke.							
NEIC	Event type se. Error ellipse: s-maj=7.8km s-min=1.6km az=198.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
BEO	Event type ke.							
PDG	Event type ke. Error ellipse: s-maj=0.9km s-min=0.8km az=90.0.							
SKO	**VI**	**28 12 17 22.6**	**41.71N**	**22.21E**	**0**	**1.5L**		
								¶615364507
ISC	**VI**	**29 20 24 06.2–.83**	**42.76N–.02**	**18.47E–.02**	**15–5**		**73 0-5**	
PDG	VI	29 20 24 05.6–.06	42.74N	18.49E	16–0	2.6,2.5L		**¶615319284**
BEO	VI	29 20 24 06.4–.30	42.75N	18.51E	8–1	2.3L,2.5L		
ISC	Event type ke.							
PDG	Event type ke. Error ellipse: s-maj=0.1km s-min=0.1km az=0.0.							
BEO	Event type ke.							

(384) West of Gibraltar.

ISC	**I**	**02 04 03 09.2–1.3**	**36.39N–.03**	**9.47W–.08**	**32**		**44 1-6**	
INMG	I	02 04 03 10.4–1.4	36.49N	9.60W	18–5	1.6L		**¶610241090**
MDD	I	02 04 03 10.7–1.6	36.47N	9.62W	36–19	2.1		
CNRM	I	02 04 03 16.6	36.24N	8.76W	62	3.2L		
ISC	Event type ke.							
INMG	Event type ke. Error ellipse: s-maj=7.7km s-min=4.1km az=77.0.							
MDD	Event type ke. Error ellipse: s-maj=14.3km s-min=10.2km az=58.0.							
ISC	**I**	**07 08 09 27.3–1.8**	**36.52N–.06**	**9.78W–.08**	**21–5**		**98 1-6**	
CNRM	I	07 08 09 28.6	36.27N	9.50W	7	2.2L		**¶610241122**
MDD	I	07 08 09 29.5–.86	36.54N	9.77W	16–6	2.6		
SFS	I	07 08 09 30.3	36.49N	9.75W	44	2.7L,2.7		
INMG	I	07 08 09 31.1–1.4	36.58N	9.72W	16–5	2.1L,2.7		
ISC	Event type ke.							
MDD	Event type ke. Error ellipse: s-maj=8.1km s-min=4.5km az=42.0.							
INMG	Event type ke. Error ellipse: s-maj=5.3km s-min=3.5km az=48.0.							
ISC	**I**	**10 21 57 20.9–6.4**	**35.05N–.03**	**8.26W–.06**	**34–11**		**43 2-5**	
CNRM	I	10 21 57 18.3	34.94N	8.46W	30	2.4L		**¶610241134**
MDD	I	10 21 57 21.0–1.2	35.24N	8.32W	0	2.5		
INMG	I	10 21 57 22.0–1.5	35.00N	8.37W	27–15	1.9L		
ISC	Event type ke.							
MDD	Event type ke. Error ellipse: s-maj=9.8km s-min=6.1km az=41.0.							
INMG	Event type ke. Error ellipse: s-maj=9.2km s-min=6.8km az=54.0.							
ISC	**I**	**12 04 57 19.1–3.2**	**36.7N–.10**	**9.69W–.10**	**33–6**		**90 1-6**	
CNRM	I	12 04 57 17.4	36.42N	9.25W	75	1.8L		**¶610241146**
MDD	I	12 04 57 18.3–.74	36.59N	9.77W	30	2.2		
INMG	I	12 04 57 19.4–1.4	36.67N	9.67W	15–5	1.9L		
SFS	I	12 04 57 19.7	36.76N	9.75W	25	2.6L,2.6		
ISC	Event type ke.							
MDD	Event type ke. Error ellipse: s-maj=6.8km s-min=4.6km az=90.0.							
INMG	Event type ke. Error ellipse: s-maj=5.6km s-min=4.0km az=36.0.							
INMG	**I**	**22 21 27 14.0–1.0**	**36.46N**	**9.86W**	**31**	**1.6L**		
MDD	I	22 21 27 13.0–1.0	36.45N	9.86W	30–31	1.8		**¶610241187**
SFS	I	22 21 27 13.2	36.54N	9.90W	80	2.6L,2.6		
CNRM	I	22 21 27 17.0	37.94N	4.57W	24	2.6L,2.6		
INMG	Event type ke. Error ellipse: s-maj=5.7km s-min=3.7km az=97.0.							
MDD	Event type ke. Error ellipse: s-maj=25.3km s-min=8.9km az=45.0.							
ISC	**II**	**01 02 03 09.5–.78**	**36.39N–.03**	**8.12W–.03**	**35**		**313 1-16**	
CNRM	II	01 02 03 11.3	36.44N	8.17W	70	3.6L		**¶610223999**
MDD	II	01 02 03 12.3–.40	36.40N	8.11W	23–3	3.8		
SFS	II	01 02 03 13.3	36.41N	8.11W	46	4.2b,4.0L		
LDG	II	01 02 03 13.7–.10	36.43N	8.10W	23	3.6L,4.0L		
IGIL	II	01 02 03 14.1	36.43N	8.08W	32	3.9L,4.0L		
INMG	II	01 02 03 14.0–1.6	36.44N	8.09W	28–4	3.7L,4.0L		
ISC	Event type ke.							
MDD	Event type ke. Error ellipse: s-maj=2.6km s-min=1.8km az=51.0.							
LDG	Event type ke. Error ellipse: s-maj=1.9km s-min=1.3km az=32.0.							
INMG	Event type ke. Error ellipse: s-maj=2.9km s-min=1.9km az=63.0.							
ISC	**II**	**05 02 48 03.6–2.6**	**36.18N–.05**	**9.6W–.20**	**10**		**27 1-5**	
MDD	II	05 02 48 06.4–1.3	36.44N	9.81W	13–7	2.3		**¶615222281**
CNRM	II	05 02 48 18.5	36.97N	6.26W	0	2.3		
ISC	Event type ke.							
MDD	Event type ke. Error ellipse: s-maj=13.3km s-min=10.2km az=128.0.							
ISC	**II**	**09 00 48 24.5–2.2**	**36.14N–.05**	**8.32W–.05**	**29–19**		**60 1-5**	
INMG	II	09 00 48 27.8–1.1	36.30N	8.30W	10	1.4L		**¶610346111**
MDD	II	09 00 48 27.7–.83	36.23N	8.32W	30	2.1		
IGIL	II	09 00 48 27.5	36.28N	8.32W	9	1.0L		
SFS	II	09 00 48 27.8	36.21N	8.40W	44	2.5L,2.5		
CNRM	II	09 00 48 29.3	36.41N	7.22W	30	2.5L,2.5		
ISC	Event type ke.							
INMG	Event type ke. Error ellipse: s-maj=5.0km s-min=2.9km az=45.0.							
MDD	Event type ke. Error ellipse: s-maj=6.9km s-min=4.9km az=37.0.							
ISC	**II**	**10 05 33 50.0–1.7**	**35.69N–.03**	**9.83W–.08**	**4–12**		**75 2-7**	
SFS	II	10 05 33 54.7	35.65N	10.05W	82	3.5L,3.5		**¶610346116**
INMG	II	10 05 33 54.9–.88	35.67N	10.18W	31	2.1L,3.5		
MDD	II	10 05 33 54.4–.99	35.69N	10.16W	30–28	2.9,3.5		
IGIL	II	10 05 33 55.5	35.67N	10.14W	31	2.1L,3.5		
CNRM	II	10 05 34 00.9	35.62N	9.10W	23	3.1L,3.5		
ISC	Event type ke.							
INMG	Event type ke. Error ellipse: s-maj=4.2km s-min=2.8km az=83.0.							
MDD	Event type ke. Error ellipse: s-maj=22.0km s-min=6.9km az=62.0.							
ISC	**II**	**18 01 19 12.1–1.5**	**36.55N–.04**	**9.81W–.07**	**35**		**123 1-6**	
CNRM	II	18 01 19 14.5	36.47N	9.50W	62	2.1L		**¶610346141**
MDD	II	18 01 19 14.5–.79	36.66N	9.72W	17–4	2.8		
SFS	II	18 01 19 15.6	36.65N	9.61W	50	2.8L,2.8		
IGIL	II	18 01 19 15.5	36.60N	9.76W	27	2.1L,2.8		
INMG	II	18 01 19 16.0–.95	36.61N	9.76W	31	2.2L,2.8		
ISC	Event type ke.							
MDD	Event type ke. Error ellipse: s-maj=6.1km s-min=4.8km az=47.0.							
INMG	Event type ke. Error ellipse: s-maj=3.1km s-min=2.1km az=78.0.							
ISC	**II**	**20 23 25 56.7–1.5**	**36.57N–.04**	**9.81W–.07**	**70–14**		**107 1-7**	
MDD	II	20 23 25 58.9–.69	36.58N	9.81W	40–14	2.2		**¶610345713**
CNRM	II	20 23 25 58.6	36.43N	9.58W	54	2.2		
SFS	II	20 23 25 59.4	36.66N	9.70W	50	3.1L,3.1		
INMG	II	20 23 26 00.1–1.2	36.67N	9.71W	18–4	2.1L,3.1		
IGIL	II	20 23 26 00.2	36.70N	9.72W	17	1.8L,3.1		
ISC	Event type ke.							
MDD	Event type ke. Error ellipse: s-maj=6.9km s-min=3.8km az=81.0.							
INMG	Event type ke. Error ellipse: s-maj=4.9km s-min=3.8km az=41.0.							
ISC	**II**	**22 10 33 08.4–2.4**	**36.86N–.08**	**9.47W–.08**	**30–12**		**90 1-6**	
CNRM	II	22 10 33 07.7	36.65N	9.26W	45			**¶610345719**
MDD	II	22 10 33 09.3–.95	36.82N	9.50W	25	2.6		
IGIL	II	22 10 33 09.8	36.81N	9.50W	25	1.5L		
SFS	II	22 10 33 10.6	36.93N	9.37W	30	2.7L,2.7		
INMG	II	22 10 33 10.0–1.2	36.82N	9.50W	24–6	2.0L,2.7		
ISC	Event type ke.							
MDD	Event type ke. Error ellipse: s-maj=7.2km s-min=5.6km az=46.0.							
INMG	Event type ke. Error ellipse: s-maj=4.8km s-min=3.7km az=48.0.							
ISC	**II**	**27 21 32 40.3–1.7**	**36.46N–.04**	**9.86W–.07**	**29–13**		**93 1-6**	
CNRM	II	27 21 32 42.4	36.39N	9.78W	51	1.8L		**¶610345744**
MDD	II	27 21 32 42.7–1.0	36.50N	9.88W	30–29	2.7		
SFS	II	27 21 32 42.9	36.60N	9.81W	15	3.2L		
INMG	II	27 21 32 43.2–1.3	36.54N	9.80W	15–5	2.0L		
IGIL	II	27 21 32 43.3	36.55N	9.80W	14	1.7L		
ISC	Event type ke.							
MDD	Event type ke. Error ellipse: s-maj=25.0km s-min=6.9km az=50.0.							
INMG	Event type ke. Error ellipse: s-maj=5.7km s-min=3.5km az=50.0.							
ISC	**III**	**20 17 02 46.2–.95**	**35.67N–.04**	**8.94W–.04**	**51–15**		**246 1-146**	
IDC	III	20 17 02 41.6–1.5	35.61N	9.19W	0	4.2L,3.5		**¶610477902**
CNRM	III	20 17 02 47.2	35.51N	8.90W	90	4.2L,3.5		
MDD	III	20 17 02 47.8–.44	35.64N	9.06W	40–22	3.8,3.5		
LDG	III	20 17 02 48.8–.13	35.67N	9.00W	30	4.0L,3.5		
SFS	III	20 17 02 48.1	35.66N	9.03W	52	4.1L,4.0L		
INMG	III	20 17 02 49.5–1.9	35.68N	8.98W	31–7	3.6L,4.0L		
IGIL	III	20 17 02 49.1	35.64N	9.06W	31	4.0L,4.0L		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=44.3km s-min=30.0km az=54.0.							
MDD	Event type ke. Error ellipse: s-maj=3.0km s-min=2.6km az=69.0.							
LDG	Event type ke. Error ellipse: s-maj=2.5km s-min=2.2km az=40.0.							
INMG	Event type ke. Error ellipse: s-maj=3.2km s-min=2.4km az=89.0.							
ISC	**III**	**27 21 07 23.4–1.2**	**36.21N–.03**	**8.12W–.04**	**35**		**114 1-6**	
CNRM	III	27 21 07 23.5	36.12N	8.20W	70	2.5L		**¶612756435**
MDD	III	27 21 07 24.7–.51	36.20N	8.15W	34–12	2.6		
SFS	III	27 21 07 24.9	36.21N	8.15W	33	3.2L,2.9L		
IGIL	III	27 21 07 25.7	36.18N	8.21W	31	2.0L,2.9L		
INMG	III	27 21 07 25.2–1.5	36.19N	8.19W	36	2.1L,2.9L		
ISC	Event type ke.							
MDD	Event type ke. Error ellipse: s-maj=5.3km s-min=3.2km az=60.0.							
INMG	Event type ke. Error ellipse: s-maj=4.5km s-min=2.6km az=67.0.							
INMG	**IV**	**12 20 46 57.6–1.3**	**36.58N**	**9.76W**	**27**	**1.5L**		
MDD	IV	12 20 46 53.2–1.1	36.43N	9.90W	30–7	2.3		**¶610660988**
IGIL	IV	12 20 46 57.2	36.61N	9.70W	14	1.2L		

SFS IV 12 20 46 57.1 36.64N 9.76W 23 2.4L,2.2
CNRM IV 12 20 47 02.5 36.88N 8.39W 147 2.4L,2.2
INMG Event type ke. Error ellipse: s-maj=6.2km s-min=4.6km az=78.0.
MDD Event type ke. Error ellipse: s-maj=8.7km s-min=7.1km az=91.0.
ISC IV 15 09 30 57.0–1.7 36.16N–.05 8.41W–.05 16–11 89 1-8
MDD IV 15 09 31 00.8–.76 36.35N 8.31W 4–5 2.5 ¶610661004
CNRM IV 15 09 31 00.0 36.08N 8.17W 45 3.0L
INMG IV 15 09 31 00.0–1.4 36.21N 8.50W 14–7 1.8L
IGIL IV 15 09 31 00.0 36.22N 8.52W 11 1.6L
SFS IV 15 09 31 00.4 36.22N 8.46W 21 2.4L,2.3L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=6.5km s-min=3.7km az=63.0.
INMG Event type ke. Error ellipse: s-maj=9.3km s-min=3.7km az=52.0.
ISC IV 16 06 49 17.7–1.7 36.64N–.04 9.64W–.07 29–14 78 1-6
CNRM IV 16 06 49 16.9 36.51N 9.61W 13 ¶610661017
INMG IV 16 06 49 19.5–1.3 36.65N 9.65W 20–4 1.6L
SFS IV 16 06 49 19.5 36.70N 9.66W 24 2.8L,2.6L
IGIL IV 16 06 49 19.3 36.65N 9.64W 16 1.3L,2.6L
MDD IV 16 06 49 19.9–1.3 36.68N 9.65W 28–29 2.4,2.6L
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=5.7km s-min=4.2km az=64.0.
MDD Event type ke. Error ellipse: s-maj=26.9km s-min=8.4km az=53.0.
ISC IV 20 23 09 26.4–1.9 36.41N–.04 9.81W–.08 11–11 52 1-6
IGIL IV 20 23 09 32.9 36.50N 9.88W 35 1.4L ¶610661046
SFS IV 20 23 09 32.5 36.64N 9.74W 8 3.1L,2.9
INMG IV 20 23 09 33.1–1.2 36.50N 9.87W 34 1.7L,2.9
CNRM IV 20 23 09 38.3 35.68N 9.62W 21 1.7L,2.9
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=6.1km s-min=4.8km az=91.0.
ISC IV 26 20 59 10.7–1.2 36.51N–.03 8.20W–.03 26–13 98 1-6
SFS IV 26 20 59 08.6 36.41N 8.19W 0 2.6L,2.5L ¶610661074
CNRM IV 26 20 59 10.4 36.48N 8.45W 61 1.5L,2.5L
IGIL IV 26 20 59 11.9 36.51N 8.26W 24 1.8L,2.5L
MDD IV 26 20 59 11.9–.74 36.54N 8.22W 24–6 2.4,2.5L
INMG IV 26 20 59 12.0–1.8 36.51N 8.26W 24–6 2.0L,2.5L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=5.0km s-min=3.3km az=62.0.
INMG Event type ke. Error ellipse: s-maj=5.6km s-min=3.1km az=67.0.
ISC V 06 19 53 57.7–5.2 34.63N–.04 8.82W–.05 38–8 155 2-13
LDG V 06 19 53 50.8–.66 34.34N 8.91W 10 3.3L ¶610641529
SFS V 06 19 53 56.5 34.67N 8.78W 0 3.5L,3.5L
MDD V 06 19 53 57.7–.58 34.54N 8.96W 36–21 4.3b,3.7
CNRM V 06 19 53 57.7 34.52N 8.88W 35 2.7L,3.7
IGIL V 06 19 53 58.2 34.56N 8.91W 29 2.4L,3.7
INMG V 06 19 53 59.3–1.5 34.57N 8.90W 31–10 2.5L,3.7
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=13.9km s-min=7.8km az=52.0.
MDD Event type ke. Error ellipse: s-maj=8.7km s-min=3.5km az=49.0.
INMG Event type ke. Error ellipse: s-maj=6.6km s-min=3.9km az=61.0.
ISC V 08 07 01 34.9–2.2 36.53N–.07 9.87W–.09 32–16 64 1-6
CNRM V 08 07 01 37.8 36.28N 9.14W 9 ¶610696793
MDD V 08 07 01 37.3–1.1 36.62N 9.80W 16–24 1.9
INMG V 08 07 01 38.5–1.1 36.65N 9.76W 17–4 1.7L
IGIL V 08 07 01 38.2 36.59N 9.75W 18 1.6L
SFS V 08 07 01 38.9 36.67N 9.73W 20 2.6L,2.5
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=27.0km s-min=7.1km az=41.0.
INMG Event type ke. Error ellipse: s-maj=5.3km s-min=5.0km az=126.0.
ISC V 10 21 05 25.5–2.1 36.43N–.05 9.88W–.08 33–8 76 1-7
MDD V 10 21 05 27.9–1.0 36.56N 9.81W 16–6 2.5 ¶610696800
IGIL V 10 21 05 28.8 36.54N 9.78W 15 1.4L
SFS V 10 21 05 28.5 36.53N 9.88W 42 3.1L,3.0L
CNRM V 10 21 05 28.3 36.31N 9.41W 8 3.1L,3.0L
INMG V 10 21 05 28.6–1.1 36.54N 9.78W 14–4 1.7L,3.0L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=9.2km s-min=6.7km az=35.0.
INMG Event type ke. Error ellipse: s-maj=4.9km s-min=4.6km az=42.0.
ISC V 11 13 38 16.2–1.8 36.64N–.04 9.83W–.07 30–13 90 1-6
MDD V 11 13 38 20.8–.99 36.95N 9.71W 14–4 2.9 ¶610696803
IGIL V 11 13 38 21.1 36.69N 9.74W 32 2.2L
SFS V 11 13 38 21.1 36.81N 9.69W 20 3.2L,2.9L
CNRM V 11 13 38 21.9 36.57N 9.31W 60 2.0L,2.9L
INMG V 11 13 38 21.1–1.5 36.74N 9.70W 20–5 2.3L,2.9L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=7.0km s-min=5.5km az=31.0.
INMG Event type ke. Error ellipse: s-maj=5.9km s-min=4.0km az=52.0.
ISC V 14 23 57 37.7–2.0 36.58N–.04 9.76W–.09 32–12 52 1-6
IGIL V 14 23 57 40.7 36.61N 9.76W 32 1.4L ¶610696828
SFS V 14 23 57 41.2 36.71N 9.66W 21 2.5L,2.3L
INMG V 14 23 57 41.0–1.7 36.70N 9.71W 20–6 1.5L,2.3L
CNRM V 14 23 57 47.7 35.81N 9.52W 89 1.5L,2.3L
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=8.6km s-min=7.4km az=39.0.
ISC V 27 07 49 34.4–1.4 36.36N–.03 9.01W–.06 66–14 151 1-8
CNRM V 27 07 49 32.4 36.19N 9.21W 21 2.6L ¶612756920
MDD V 27 07 49 35.4–.71 36.33N 9.05W 29–12 2.9
SFS V 27 07 49 35.1 36.30N 9.05W 45 3.3L,3.0L
INMG V 27 07 49 36.5–1.6 36.39N 8.89W 15–5 2.3L,3.0L
IGIL V 27 07 49 36.9 36.40N 8.89W 15 2.2L,3.0L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=8.7km s-min=3.8km az=55.0.
INMG Event type ke. Error ellipse: s-maj=6.7km s-min=3.6km az=63.0.
ISC V 29 13 10 52.9–1.5 36.17N–.04 9.79W–.07 35 126 1-68
CNRM V 29 13 10 54.7 36.08N 9.58W 23 2.8L ¶610695502
SFS V 29 13 10 54.2 36.16N 9.85W 41 3.5L,3.4b
MDD V 29 13 10 54.5–.76 36.34N 9.67W 3–14 3.1,3.4b
IGIL V 29 13 10 55.3 36.17N 9.78W 33 2.6L,3.4b
INMG V 29 13 10 55.6–1.4 36.17N 9.78W 31–9 2.5L,3.4b
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=17.6km s-min=5.1km az=45.0.
INMG Event type ke. Error ellipse: s-maj=5.6km s-min=4.6km az=71.0.
ISC VI 06 12 20 02.8–5.7 35.07N–.04 8.67W–.05 36–8 151 2-8
CNRM VI 06 12 20 01.6 34.98N 8.81W 28 3.1L ¶610933015
SFS VI 06 12 20 02.7 35.00N 8.79W 48 3.6L,3.5L
MDD VI 06 12 20 02.6–.50 35.00N 8.82W 38–17 4.4b,3.8
IGIL VI 06 12 20 03.4 35.03N 8.70W 28 2.5L,3.8
INMG VI 06 12 20 04.1–1.3 35.02N 8.72W 32–7 2.5L,3.8
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=5.1km s-min=2.8km az=62.0.
INMG Event type ke. Error ellipse: s-maj=3.8km s-min=3.8km az=78.0.
ISC VI 10 03 32 33.9–1.2 36.92N–.03 8.18W–.03 41–7 126 0-6
CNRM VI 10 03 32 31.1 37.16N 8.38W 76 1.6L ¶610933047
MDD VI 10 03 32 34.7–.39 36.90N 8.22W 34–2 2.6
IGIL VI 10 03 32 35.3 36.90N 8.20W 28 2.1L
SFS VI 10 03 32 35.2 36.91N 8.16W 38 2.9L,2.8L
INMG VI 10 03 32 35.5–1.1 36.90N 8.20W 31 2.0L,2.8L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=3.4km s-min=2.7km az=40.0.
INMG Event type ke. Error ellipse: s-maj=2.0km s-min=1.7km az=37.0.
ISC VI 23 10 21 11.6–1.3 36.50N–.04 9.75W–.07 70–13 76 1-6
SFS VI 23 10 21 13.9 36.51N 9.80W 43 3.1L,2.9L ¶610933103
MDD VI 23 10 21 14.8–1.3 36.59N 9.78W 34–21 2.7,2.9L
IGIL VI 23 10 21 15.3 36.64N 9.72W 15 2.1L,2.9L
CNRM VI 23 10 21 15.6 36.29N 9.12W 24 2.0L,2.9L
INMG VI 23 10 21 15.5–1.1 36.63N 9.72W 19–4 2.2L,2.9L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=14.2km s-min=7.7km az=34.0.
INMG Event type ke. Error ellipse: s-maj=4.7km s-min=3.8km az=40.0.
ISC VI 25 00 56 40.5–2.2 36.61N–.08 9.76W–.09 35 95 1-6
SFS VI 25 00 56 41.9 36.61N 9.81W 41 3.0L,3.0L ¶610933109
CNRM VI 25 00 56 41.7 36.29N 8.97W 0 1.3L,3.0L
MDD VI 25 00 56 42.4–.94 36.69N 9.70W 22–7 2.6,3.0L
INMG VI 25 00 56 43.2–1.1 36.68N 9.69W 19–4 1.9L,3.0L
IGIL VI 25 00 56 43.5 36.68N 9.69W 19 1.8L,3.0L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=9.6km s-min=5.5km az=31.0.
INMG Event type ke. Error ellipse: s-maj=4.2km s-min=3.2km az=39.0.
ISC VI 29 00 37 12.8–1.5 36.45N–.04 9.92W–.07 35 135 1-8
MDD VI 29 00 37 14.0–.59 36.48N 9.97W 24 3.1 ¶610933128
SFS VI 29 00 37 15.1 36.47N 9.94W 52 3.5L,3.3L
IGIL VI 29 00 37 15.9 36.49N 9.92W 27 2.5L,3.3L
INMG VI 29 00 37 16.3–1.2 36.50N 9.93W 38 2.5L,3.3L
CNRM VI 29 00 37 16.4 36.07N 9.51W 8 3.1L,3.3L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=5.1km s-min=3.5km az=78.0.
INMG Event type ke. Error ellipse: s-maj=4.1km s-min=2.7km az=76.0.
ISC VI 30 01 25 15.9–2.0 36.21N–.04 9.92W–.09 27–17 60 1-6
SFS VI 30 01 25 18.4 36.24N 9.97W 47 3.8L,3.5L ¶610933131
MDD VI 30 01 25 18.4–1.1 36.37N 9.86W 10 2.4,3.5L
IGIL VI 30 01 25 19.0 36.29N 9.89W 16 1.4L,3.5L
INMG VI 30 01 25 19.1–.90 36.29N 9.89W 18–6 1.7L,3.5L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=9.4km s-min=8.0km az=161.0.
INMG Event type ke. Error ellipse: s-maj=5.4km s-min=2.7km az=79.0.

(385) Strait of Gibraltar.

ISC I 01 08 49 57.9–1.5 35.63N–.03 4.71W–.06 82–23 33 1-6
CNRM I 01 08 50 00.9 35.49N 5.06W 60 2.7L ¶610241088
INMG I 01 08 50 00.1–1.6 35.63N 4.75W 31–10 1.6L
MDD I 01 08 50 00.2–1.4 35.67N 4.65W 70–20 2.3b
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=9.0km s-min=4.8km az=79.0.
MDD Event type ke. Error ellipse: s-maj=11.8km s-min=6.4km az=177.0.
ISC I 03 04 43 24.0–1.3 35.91N–.03 4.62W–.03 100–7 76 1-5
SFS I 03 04 43 25.4 35.91N 4.59W 81 2.9L,2.9 ¶610241092
CNRM I 03 04 43 25.1 35.85N 4.73W 85 3.7L,2.9
MDD I 03 04 43 27.0–.68 35.99N 4.66W 89–5 1.8b,2.9
INMG I 03 04 43 27.9–1.6 36.05N 4.70W 84–4 2.0L,2.9
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=5.7km s-min=2.8km az=161.0.
INMG Event type ke. Error ellipse: s-maj=5.9km s-min=3.7km az=152.0.
ISC I 03 23 00 03.0–1.3 36.43N–.03 7.78W–.03 16–10 77 1-6
CNRM I 03 23 00 04.1 36.45N 7.96W 30 2.6L ¶610241094
INMG I 03 23 00 07.9–1.9 36.55N 7.77W 17–6 1.9L
SFS I 03 23 00 07.5 36.46N 7.84W 38 2.9L,2.9
MDD I 03 23 00 07.6–.75 36.50N 7.80W 40 2.3,2.9
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=6.8km s-min=4.4km az=33.0.
MDD Event type ke. Error ellipse: s-maj=6.5km s-min=3.1km az=18.0.
ISC I 04 06 07 25.6–1.4 36.37N–.04 7.61W–.04 28–13 57 1-4
CNRM I 04 06 07 20.7 36.27N 7.75W 0 ¶610241096
INMG I 04 06 07 29.1–1.7 36.50N 7.60W 17–6 1.4L
SFS I 04 06 07 29.7 36.47N 7.56W 34 2.6L,2.6
MDD I 04 06 07 29.1–1.1 36.47N 7.63W 40–19 2.1,2.6
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=6.9km s-min=5.3km az=9.0.
MDD Event type ke. Error ellipse: s-maj=10.6km s-min=5.3km az=8.0.
ISC I 05 12 17 50.1–.92 36.40N–.03 4.54W–.02 103–7 221 0-13
SFS I 05 12 17 51.0 36.33N 4.55W 96 3.5,3.4L ¶610130566
MDD I 05 12 17 51.4–.29 36.35N 4.56W 90–3 3.3b,3.4L
CNRM I 05 12 17 51.0 36.29N 4.63W 107 3.3L,3.4L
LDG I 05 12 17 51.4–.22 36.58N 4.52W 71 3.5L,3.4L
INMG I 05 12 17 51.2–2.0 36.36N 4.52W 88–4 3.4,3.3L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=2.3km s-min=1.6km az=167.0.
LDG Event type ke. Error ellipse: s-maj=5.2km s-min=3.2km az=162.0.
INMG Event type ke. Error ellipse: s-maj=3.4km s-min=2.7km az=35.0.
ISC I 10 22 48 38.6–1.5 35.54N–.02 3.74W–.02 17–11 101 1-6
MDD I 10 22 48 39.2–.46 35.54N 3.84W 0 2.8 ¶610241135
INMG I 10 22 48 39.7–2.0 35.60N 3.80W 0–6 2.6L
SFS I 10 22 48 39.8 35.46N 3.73W 19 3.2L,3.2
CNRM I 10 22 48 40.1 35.60N 3.65W 33 2.8L,3.2
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=4.1km s-min=2.9km az=6.0.
INMG Event type ke. Error ellipse: s-maj=4.6km s-min=3.9km az=78.0.
ISC I 10 23 46 04.2–1.1 35.53N–.03 3.73W–.02 27–12 77 1-7
MDD I 10 23 46 03.5–.55 35.58N 3.83W 0 2.6 ¶610241137
SFS I 10 23 46 04.4 35.48N 3.78W 44 2.6L,2.6
INMG I 10 23 46 04.0–1.6 35.55N 3.86W 0–6 2.0L,2.6
CNRM I 10 23 46 05.1 35.53N 3.56W 57 2.2L,2.6
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=5.3km s-min=2.9km az=17.0.
INMG Event type ke. Error ellipse: s-maj=4.1km s-min=4.1km az=55.0.
ISC I 10 23 51 50.5–1.1 35.47N–.03 3.76W–.02 24–13 96 1-7
CNRM I 10 23 51 50.5 35.57N 3.65W 22 2.7L ¶610241138
INMG I 10 23 51 50.1–2.0 35.52N 3.85W 0–10 2.5L
MDD I 10 23 51 50.2–.54 35.54N 3.83W 0 2.8
SFS I 10 23 51 51.9 35.45N 3.78W 27 3.1L,3.1
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=10.7km s-min=5.9km az=161.0.
MDD Event type ke. Error ellipse: s-maj=5.0km s-min=3.0km az=14.0.
ISC I 10 23 56 17.2–1.1 35.52N–.02 3.75W–.02 14–9 61 1-6
INMG I 10 23 56 17.4–1.8 35.52N 3.76W 0–8 2.1L ¶610241139
MDD I 10 23 56 17.9–.59 35.55N 3.81W 0 2.4
SFS I 10 23 56 17.3 35.43N 3.78W 18 2.5L,2.5
CNRM I 10 23 56 18.5 35.66N 3.62W 30 2.2L,2.5
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=10.5km s-min=5.2km az=20.0.
MDD Event type ke. Error ellipse: s-maj=5.9km s-min=3.5km az=26.0.
ISC I 11 18 44 12.9–1.4 35.48N–.03 3.79W–.02 8–10 3.7b 147 1-68
MDD I 11 18 44 13.7–.43 35.38N 3.79W 12–5 3.1 ¶610237180
CNRM I 11 18 44 13.8 35.56N 3.74W 24 3.1L
SFS I 11 18 44 14.7 35.38N 3.78W 30 3.5L,3.4
INMG I 11 18 44 14.0–1.7 35.36N 3.80W 15 2.8L,3.4
IDC I 11 18 44 15.5–1.6 35.77N 3.94W 0 3.7b,3.6
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=5.3km s-min=2.1km az=163.0.
INMG Event type ke. Error ellipse: s-maj=5.1km s-min=3.4km az=8.0.
IDC Error ellipse: s-maj=36.8km s-min=19.9km az=83.0.
ISC I 12 07 16 59.6–1.3 36.08N–.04 7.80W–.03 15–9 111 1-7
CNRM I 12 07 16 58.4 36.01N 7.84W 0 2.4L ¶610241147
MDD I 12 07 17 03.9–.80 36.24N 7.83W 6–8 2.7
SFS I 12 07 17 04.6 36.10N 7.83W 35 3.1L,2.8
INMG I 12 07 17 05.2–1.8 36.16N 7.95W 21–6 2.1L,2.8
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=10.1km s-min=2.9km az=26.0.
INMG Event type ke. Error ellipse: s-maj=6.6km s-min=3.7km az=54.0.
ISC I 13 09 03 57.1–1.3 36.44N–.04 7.37W–.02 11–10 75 1-5
CNRM I 13 09 03 56.2 36.28N 7.47W 6 2.1L ¶610241149
MDD I 13 09 03 59.6–.72 36.50N 7.41W 11–0 2.4
INMG I 13 09 03 59.5–1.4 36.50N 7.39W 2–3 2.2L
SFS I 13 09 03 59.2 36.47N 7.42W 0 2.6L,2.6
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=6.1km s-min=2.7km az=11.0.
INMG Event type ke. Error ellipse: s-maj=2.9km s-min=2.4km az=20.0.
ISC I 14 14 52 33.3–1.6 36.51N–.06 7.27W–.03 28–13 77 1-5
MDD I 14 14 52 34.7–.91 36.51N 7.29W 25–8 2.4 ¶610241152
INMG I 14 14 52 34.0–1.7 36.49N 7.35W 13–5 1.8L
SFS I 14 14 52 35.5 36.54N 7.25W 27 2.5L,2.5
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=7.8km s-min=2.9km az=16.0.
INMG Event type ke. Error ellipse: s-maj=5.5km s-min=3.4km az=24.0.

ISC	**I**	**14 19 10 44.7–1.5**	**35.56N–.02**	**3.77W–.02**	**16–11**		**118 1-7**
MDD	I	14 19 10 45.4–.36	35.63N	3.80W	0	2.5	**¶610241154**
SFS	I	14 19 10 45.2	35.47N	3.74W	18	3.1L,3.1	
INMG	I	14 19 10 45.6–1.3	35.58N	3.82W	3–3	2.1L,3.1	
CNRM	I	14 19 10 46.4	35.59N	3.68W	62	2.3L,3.1	
ISC	Event type ke.						
MDD	Event type ke. Error ellipse: s-maj=2.9km s-min=2.4km az=174.0.						
INMG	Event type ke. Error ellipse: s-maj=2.7km s-min=2.0km az=14.0.						
ISC	**I**	**15 00 31 17.9–1.7**	**35.80N–.04**	**7.30W–.04**	**28–15**		**74 2-5**
CNRM	I	15 00 31 19.4	35.99N	6.61W	26		**¶610241157**
MDD	I	15 00 31 20.2–.91	35.94N	7.30W	14–14	2.1	
SFS	I	15 00 31 20.7	35.82N	7.30W	35	2.9L,2.9	
INMG	I	15 00 31 21.0–1.4	35.83N	7.32W	25–15	1.6L,2.9	
ISC	Event type ke.						
MDD	Event type ke. Error ellipse: s-maj=16.8km s-min=3.4km az=25.0.						
INMG	Event type ke. Error ellipse: s-maj=9.9km s-min=4.2km az=23.0.						
ISC	**I**	**19 00 31 53.6–1.1**	**35.36N–.04**	**3.86W–.05**	**17–11**		**23 1-3**
SFS	I	19 00 31 57.0	35.44N	4.05W	0	2.5L,2.5	**¶612755977**
CNRM	I	19 00 32 00.0	35.49N	3.54W	62	2.5L,2.5	
MDD	I	19 00 32 01.3–1.6	35.74N	3.83W	0	1.8,2.5	
ISC	Event type ke.						
MDD	Event type ke. Error ellipse: s-maj=10.1km s-min=7.5km az=177.0.						
ISC	**I**	**20 22 51 45.7–1.2**	**35.71N–.04**	**2.20W–.05**	**17–9**		**28 1-5**
SFS	I	20 22 51 46.7	35.58N	2.25W	47	2.6L,2.6	**¶614970921**
MDD	I	20 22 51 47.5–.57	35.59N	2.23W	32–18	2.4,2.6	
ISC	Event type ke.						
MDD	Event type ke. Error ellipse: s-maj=8.7km s-min=4.3km az=148.0.						
ISC	**I**	**21 03 16 44.9–1.3**	**35.76N–.04**	**2.16W–.05**	**13–10**		**49 1-6**
SFS	I	21 03 16 47.6	35.60N	2.22W	38	2.6L,2.6	**¶612755995**
MDD	I	21 03 16 48.2–.56	35.60N	2.25W	35	2.7,2.6	
CNRM	I	21 03 16 49.1	35.65N	2.20W	34	2.7,2.6	
ISC	Event type ke.						
MDD	Event type ke. Error ellipse: s-maj=5.5km s-min=3.8km az=117.0.						
ISC	**I**	**22 19 50 32.4–1.2**	**35.84N–.03**	**6.51W–.03**	**35**		**107 1-6**
CNRM	I	22 19 50 33.2	35.72N	6.60W	72		**¶610241186**
INMG	I	22 19 50 34.7–1.5	35.83N	6.53W	31	2.0L	
SFS	I	22 19 50 34.7	35.90N	6.51W	33	2.8L,2.8	
MDD	I	22 19 50 34.8–.69	35.91N	6.51W	61–12	3.0b,2.8	
ISC	Event type ke.						
INMG	Event type ke. Error ellipse: s-maj=4.4km s-min=2.7km az=31.0.						
MDD	Event type ke. Error ellipse: s-maj=5.8km s-min=2.8km az=13.0.						
ISC	**I**	**27 03 21 38.3–5.3**	**36.56N–.04**	**7.48W–.03**	**36–10**		**102 1-6**
INMG	I	27 03 21 39.2–1.7	36.57N	7.59W	17–5	2.0L	**¶610240921**
MDD	I	27 03 21 39.3–.39	36.53N	7.57W	36–10	2.3	
CNRM	I	27 03 21 39.4	36.65N	7.06W	70	2.3	
SFS	I	27 03 21 40.2	36.59N	7.52W	38	2.8L,2.8	
ISC	Event type ke.						
INMG	Event type ke. Error ellipse: s-maj=4.1km s-min=3.1km az=55.0.						
MDD	Event type ke. Error ellipse: s-maj=3.8km s-min=2.5km az=49.0.						
ISC	**I**	**27 11 10 57.9–.90**	**35.44N–.02**	**3.72W–.02**	**23–8**		**98 1-7**
CNRM	I	27 11 10 55.8	35.53N	3.71W	10	2.7L	**¶610240919**
SFS	I	27 11 10 58.0	35.35N	3.72W	24	3.2L,3.2	
MDD	I	27 11 10 58.0–.59	35.38N	3.72W	11–4	2.9,3.2	
INMG	I	27 11 10 58.1–1.7	35.50N	3.80W	2–8	2.4L,3.2	
ISC	Event type ke.						
MDD	Event type ke. Error ellipse: s-maj=3.5km s-min=2.3km az=178.0.						
INMG	Event type ke. Error ellipse: s-maj=4.7km s-min=3.5km az=111.0.						
ISC	**I**	**27 11 50 44.6–1.1**	**35.43N–.03**	**3.78W–.03**	**17–10**		**30 0-3**
CNRM	I	27 11 50 45.6	35.39N	3.76W	0	2.0L	**¶612756028**
SFS	I	27 11 50 47.0	35.45N	3.70W	18	2.5L,2.5	
MDD	I	27 11 50 46.2–.53	35.53N	3.79W	0	2.3,2.5	
ISC	Event type ke.						
MDD	Event type ke. Error ellipse: s-maj=4.5km s-min=3.1km az=2.0.						
ISC	**I**	**27 14 28 50.9–1.6**	**35.46N–.02**	**3.75W–.02**	**26–15**		**106 1-7**
CNRM	I	27 14 28 49.1	35.60N	3.77W	26	2.9L	**¶610240918**
MDD	I	27 14 28 50.5–.48	35.41N	3.72W	13–5	3.1	
INMG	I	27 14 28 51.6–1.8	35.46N	3.72W	19–9	2.8,2.5L	
SFS	I	27 14 28 51.9	35.42N	3.77W	34	3.3L,3.3	
ISC	Event type ke.						
MDD	Event type ke. Error ellipse: s-maj=4.7km s-min=2.8km az=156.0.						
INMG	Event type ke. Error ellipse: s-maj=5.5km s-min=4.0km az=111.0.						
ISC	**I**	**27 19 03 49.4–1.1**	**35.50N–.02**	**3.74W–.02**	**16–9**		**101 1-7**
CNRM	I	27 19 03 47.4	35.53N	3.86W	3	2.9L	**¶610240917**
MDD	I	27 19 03 50.0–.64	35.44N	3.72W	9–5	3.1	
INMG	I	27 19 03 50.7–1.8	35.47N	3.76W	12–9	2.8,2.5L	
SFS	I	27 19 03 51.1	35.44N	3.74W	21	3.3L,3.3	
ISC	Event type ke.						
MDD	Event type ke. Error ellipse: s-maj=4.7km s-min=3.6km az=149.0.						
INMG	Event type ke. Error ellipse: s-maj=4.8km s-min=3.9km az=111.0.						
ISC	**I**	**31 15 56 02.1–1.1**	**36.57N–.03**	**7.39W–.02**	**20–6**		**120 1-6**
CNRM	I	31 15 56 01.1	36.54N	7.33W	0	2.5L	**¶610240933**
MDD	I	31 15 56 06.4–.49	36.64N	7.46W	35–2	2.7	
SFS	I	31 15 56 07.5	36.75N	7.40W	24	2.7L,2.7	
INMG	I	31 15 56 07.3–1.6	36.66N	7.45W	31–8	2.3L,2.7	
ISC	Event type ke.						
MDD	Event type ke. Error ellipse: s-maj=4.2km s-min=2.5km az=36.0.						
INMG	Event type ke. Error ellipse: s-maj=3.8km s-min=3.5km az=36.0.						
ISC	**II**	**02 23 27 01.4–1.0**	**35.46N–.03**	**3.73W–.02**	**15–9**		**61 1-5**
CNRM	II	02 23 27 01.8	35.42N	3.65W	10	1.8L	**¶612756070**
SFS	II	02 23 27 03.0	35.42N	3.71W	15	2.7L,2.7	
MDD	II	02 23 27 02.8–.48	35.36N	3.68W	25–5	2.2,2.7	
ISC	Event type ke.						
MDD	Event type ke. Error ellipse: s-maj=4.2km s-min=2.7km az=165.0.						
ISC	**II**	**05 05 49 57.7–1.5**	**35.47N–.03**	**3.72W–.03**	**11–12**		**47 1-4**
MDD	II	05 05 49 57.9–.48	35.49N	3.76W	0–3	2.5	**¶612756082**
SFS	II	05 05 49 58.7	35.42N	3.72W	9	2.6L,2.6	
CNRM	II	05 05 49 58.2	35.62N	3.71W	47	2.0L,2.6	
ISC	Event type ke.						
MDD	Event type ke. Error ellipse: s-maj=3.5km s-min=2.9km az=16.0.						
ISC	**II**	**06 08 48 48.0–1.8**	**35.48N–.03**	**3.78W–.03**	**12–13**		**61 1-6**
IGIL	II	06 08 48 50.3	35.42N	3.75W	16	1.9L	**¶610346105**
MDD	II	06 08 48 50.4–.45	35.42N	3.75W	18–4	2.7	
CNRM	II	06 08 48 50.7	35.32N	3.60W	9	2.7	
INMG	II	06 08 48 51.5–1.6	35.50N	3.72W	20–7	2.2L	
ISC	Event type ke.						
MDD	Event type ke. Error ellipse: s-maj=3.9km s-min=2.4km az=165.0.						
INMG	Event type ke. Error ellipse: s-maj=4.3km s-min=3.6km az=107.0.						
ISC	**II**	**07 16 05 16.1–1.2**	**35.57N–.02**	**4.70W–.03**	**8–10**		**77 1-6**
CNRM	II	07 16 05 18.9	35.47N	4.86W	25	1.7L	**¶610346110**
MDD	II	07 16 05 18.1–.48	35.62N	4.74W	0	2.6	
INMG	II	07 16 05 18.2–1.4	35.61N	4.75W	0	2.0L	
SFS	II	07 16 05 18.4	35.65N	4.71W	0	3.3L,2.8	
ISC	Event type ke.						
MDD	Event type ke. Error ellipse: s-maj=4.5km s-min=3.5km az=41.0.						
INMG	Event type ke. Error ellipse: s-maj=5.1km s-min=4.7km az=28.0.						
ISC	**II**	**09 20 48 30.2–.96**	**36.57N–.02**	**5.73W–.02**	**14–7**		**83 0-6**
SFS	II	09 20 48 29.4	36.40N	5.82W	4	2.6L,2.6	**¶610346113**
MDD	II	09 20 48 31.0–.35	36.57N	5.78W	12–0	2.2,2.6	
INMG	II	09 20 48 31.6–1.6	36.58N	5.78W	18–3	2.1L,2.6	
CNRM	II	09 20 48 33.5	36.03N	7.03W	148	3.3L,2.6	
ISC	Event type ke.						
MDD	Event type ke. Error ellipse: s-maj=3.6km s-min=1.6km az=3.0.						
INMG	Event type ke. Error ellipse: s-maj=4.8km s-min=2.2km az=21.0.						
ISC	**II**	**10 00 25 15.6–1.2**	**36.67N–.03**	**6.94W–.03**	**35**		**86 1-6**
CNRM	II	10 00 25 09.7	36.76N	6.59W	0		**¶610346115**
MDD	II	10 00 25 17.4–.80	36.72N	6.95W	46–23	2.5	
IGIL	II	10 00 25 17.5	36.67N	6.96W	38	1.8L	
SFS	II	10 00 25 17.4	36.73N	6.98W	23	2.6L,2.6	
INMG	II	10 00 25 18.1–1.3	36.70N	6.96W	40–13	1.8L,2.6	
ISC	Event type ke.						
MDD	Event type ke. Error ellipse: s-maj=7.6km s-min=3.5km az=7.0.						
INMG	Event type ke. Error ellipse: s-maj=4.2km s-min=3.0km az=177.0.						
ISC	**II**	**11 22 39 27.7–1.4**	**36.49N–.04**	**7.64W–.03**	**13–10**		**60 1-4**
SFS	II	11 22 39 29.8	36.50N	7.80W	1	2.7L,2.7	**¶610346124**
MDD	II	11 22 39 30.7–.79	36.57N	7.65W	12–1	1.9,2.7	
CNRM	II	11 22 39 31.7	36.52N	7.45W	58	2.6L,2.7	
INMG	II	11 22 39 32.2–1.4	36.56N	7.72W	19–4	1.6L,2.7	
ISC	Event type ke.						
MDD	Event type ke. Error ellipse: s-maj=6.3km s-min=3.4km az=21.0.						
INMG	Event type ke. Error ellipse: s-maj=4.8km s-min=3.6km az=50.0.						
ISC	**II**	**16 03 44 57.4–1.4**	**35.77N–.04**	**4.66W–.06**	**82–19**		**44 1-5**
MDD	II	16 03 44 58.5–1.6	35.75N	4.62W	77–16	2.5b	**¶610346132**
CNRM	II	16 03 44 58.8	35.61N	5.07W	87	3.1L	
IGIL	II	16 03 44 59.6	35.75N	4.62W	77	1.7L	
INMG	II	16 03 45 00.2–1.2	35.84N	4.72W	59–12	2.0L	
ISC	Event type ke.						
MDD	Event type ke. Error ellipse: s-maj=14.2km s-min=8.7km az=7.0.						
INMG	Event type ke. Error ellipse: s-maj=7.0km s-min=5.2km az=170.0.						
ISC	**II**	**20 13 12 37.9–1.1**	**36.73N–.03**	**7.37W–.02**	**32–11**		**178 0-7**
CNRM	II	20 13 12 37.4	36.58N	7.49W	30	3.0L	**¶610345709**
SFS	II	20 13 12 38.8	36.78N	7.38W	30	3.6L,3.4	
MDD	II	20 13 12 40.0–.31	36.75N	7.38W	40	3.3,3.4	
IGIL	II	20 13 12 40.4	36.75N	7.43W	27	3.0L,3.4	
INMG	II	20 13 12 40.6–1.8	36.73N	7.41W	32–7	2.8L,3.4	
ISC	Event type ke.						
MDD	Event type ke. Error ellipse: s-maj=2.9km s-min=2.1km az=27.0.						
INMG	Event type ke. Error ellipse: s-maj=3.7km s-min=2.6km az=21.0.						
ISC	**II**	**23 14 21 18.5–1.0**	**35.53N–.02**	**3.66W–.02**	**14–9**		**98 1-7**
SFS	II	23 14 21 19.3	35.44N	3.62W	10	3.0L,3.0	**¶610345724**
CNRM	II	23 14 21 19.8	35.57N	3.64W	30	3.0L,3.0	
MDD	II	23 14 21 20.1–.35	35.55N	3.67W	0	2.9,3.0	
INMG	II	23 14 21 20.8–1.5	35.60N	3.66W	0	2.5L,3.0	
IGIL	II	23 14 21 21.3	35.59N	3.68W	2	2.5L,3.0	
ISC	Event type ke.						
MDD	Event type ke. Error ellipse: s-maj=3.0km s-min=2.7km az=2.0.						
INMG	Event type ke. Error ellipse: s-maj=4.3km s-min=3.0km az=40.0.						
ISC	**II**	**24 09 37 18.2–.98**	**35.45N–.02**	**3.62W–.02**	**22–12**		**48 1-5**
MDD	II	24 09 37 17.8–.60	35.45N	3.77W	0	2.5	**¶612756210**
CNRM	II	24 09 37 17.8	35.57N	3.58W	22	2.0L	
SFS	II	24 09 37 18.5	35.45N	3.61W	33	2.4L,2.3L	
ISC	Event type ke.						
MDD	Event type ke. Error ellipse: s-maj=5.0km s-min=3.1km az=10.0.						
ISC	**III**	**01 03 37 42.9–1.5**	**35.23N–.03**	**5.66W–.04**	**29–15**		**50 0-4**
CNRM	III	01 03 37 41.8	34.96N	5.83W	11	2.0L	**¶612756245**
INMG	III	01 03 37 44.2–1.7	35.21N	5.73W	24–11	1.6L	
MDD	III	01 03 37 45.0–.86	35.22N	5.70W	30–8	2.4	
SFS	III	01 03 37 44.6	35.21N	5.74W	28	2.8L,2.8	
ISC	Event type ke.						
INMG	Event type ke. Error ellipse: s-maj=6.2km s-min=4.1km az=66.0.						
MDD	Event type se. Error ellipse: s-maj=5.0km s-min=4.3km az=44.0.						
ISC	**III**	**04 13 18 28.8–1.2**	**36.82N–.03**	**6.92W–.03**	**55–10**		**111 0-8**
CNRM	III	04 13 18 27.3	36.69N	6.89W	25	2.0L	**¶612756266**
MDD	III	04 13 18 29.9–.61	36.79N	6.96W	38–7	2.8	
SFS	III	04 13 18 29.9	36.90N	6.93W	39	2.7L,2.7	
IGIL	III	04 13 18 30.5	36.80N	6.97W	30	2.2L,2.7	
INMG	III	04 13 18 30.6–1.6	36.80N	6.95W	45–10	2.3L,2.7	
ISC	Event type ke.						
MDD	Event type ke. Error ellipse: s-maj=5.8km s-min=3.0km az=7.0.						
INMG	Event type ke. Error ellipse: s-maj=4.1km s-min=3.1km az=8.0.						
ISC	**III**	**12 13 20 36.1–.99**	**36.80N–.03**	**7.32W–.02**	**20–7**		**127 1-6**
CNRM	III	12 13 20 37.2	36.80N	7.44W	58	2.1L	**¶612756330**
IGIL	III	12 13 20 39.9	36.85N	7.35W	30	2.4L	
SFS	III	12 13 20 39.3	36.84N	7.34W	28	3.0L,2.8L	
MDD	III	12 13 20 39.5–.47	36.85N	7.35W	41–11	2.9,2.8L	
INMG	III	12 13 20 39.2–1.6	36.80N	7.37W	26–5	2.4L,2.8L	
ISC	Event type ke.						
MDD	Event type ke. Error ellipse: s-maj=4.8km s-min=2.5km az=13.0.						
INMG	Event type ke. Error ellipse: s-maj=3.5km s-min=2.4km az=32.0.						
ISC	**III**	**13 05 08 27.8–1.2**	**36.73N–.03**	**6.96W–.03**	**32–12**		**75 0-6**
CNRM	III	13 05 08 26.4	36.54N	7.27W	30	2.6L	**¶612756334**
SFS	III	13 05 08 30.9	36.82N	6.95W	45	2.5L,2.5	
MDD	III	13 05 08 30.6–.79	36.82N	6.96W	47–10	2.5,2.5	
IGIL	III	13 05 08 31.1	36.80N	6.97W	41	1.7L,2.5	
INMG	III	13 05 08 31.3–1.3	36.81N	6.97W	41–10	1.9L,2.5	
ISC	Event type ke.						
MDD	Event type ke. Error ellipse: s-maj=7.5km s-min=3.6km az=7.0.						
INMG	Event type ke. Error ellipse: s-maj=3.4km s-min=3.1km az=176.0.						
ISC	**III**	**15 04 10 39.0–1.1**	**35.20N–.02**	**3.97W–.02**	**16–9**		**131 0-8**
MDD	III	15 04 10 39.2–.39	35.19N	4.02W	0	2.8	**¶612756343**
SFS	III	15 04 10 39.8	35.17N	3.92W	12	3.2L,3.2	
INMG	III	15 04 10 39.7–1.4	35.19N	3.99W	4–5	2.4L,3.2	
IGIL	III	15 04 10 40.4	35.19N	4.02W	2	2.5L,3.2	
CNRM	III	15 04 10 40.4	35.19N	4.06W	23	2.8L,3.2	
ISC	Event type ke.						
MDD	Event type ke. Error ellipse: s-maj=3.4km s-min=2.4km az=154.0.						
INMG	Event type ke. Error ellipse: s-maj=3.0km s-min=2.4km az=109.0.						
ISC	**III**	**15 05 44 35.9–.91**	**35.76N–.03**	**4.60W–.03**	**10**		**123 1-7**
CNRM	III	15 05 44 37.3	35.50N	5.16W	134	3.1L	**¶612756344**
MDD	III	15 05 44 37.2–.44	35.72N	4.62W	28	2.9	
INMG	III	15 05 44 37.4–1.6	35.72N	4.66W	31–7	2.5L	
IGIL	III	15 05 44 37.1	35.72N	4.62W	22	2.7L	
SFS	III	15 05 44 37.5	35.72N	4.66W	79	3.0L,3.0	
ISC	Event type ke.						
MDD	Event type ke. Error ellipse: s-maj=3.9km s-min=2.6km az=158.0.						
INMG	Event type ke. Error ellipse: s-maj=2.9km s-min=2.3km az=96.0.						
ISC	**III**	**17 01 37 00.8–1.1**	**35.54N–.02**	**3.68W–.03**	**17–9**		**41 1-4**
SFS	III	17 01 37 00.2	35.41N	3.54W	0	2.8L,2.8	**¶612756358**
MDD	III	17 01 37 01.8–.64	35.63N	3.76W	1–4	2.2,2.8	
CNRM	III	17 01 37 03.3	35.51N	3.67W	58	2.1L,2.8	
ISC	Event type ke.						
MDD	Event type ke. Error ellipse: s-maj=5.5km s-min=3.5km az=50.0.						
ISC	**III**	**17 01 55 45.2–1.1**	**36.85N–.02**	**5.55W–.02**	**28–12**		**121 1-7**
MDD	III	17 01 55 44.6–.28	36.92N	5.56W	11–0	2.6	**¶612756359**
IGIL	III	17 01 55 45.6	36.89N	5.57W	11	2.2L	
INMG	III	17 01 55 45.7–1.9	36.89N	5.55W	18–4	2.3L	
SFS	III	17 01 55 46.1	36.82N	5.64W	21	2.8L,2.7L	
CNRM	III	17 01 55 47.2	36.42N	6.11W	131	2.7L,2.7L	
ISC	Event type ke.						
MDD	Event type ke. Error ellipse: s-maj=3.1km s-min=1.4km az=3.0.						
INMG	Event type ke. Error ellipse: s-maj=3.1km s-min=2.4km az=14.0.						
ISC	**III**	**18 18 51 57.1–1.1**	**35.71N–.02**	**3.59W–.02**	**16–9**		**89 1-5**
MDD	III	18 18 51 56.2–.53	35.66N	3.63W	0–3	2.6	**¶612756368**
SFS	III	18 18 51 57.9	35.63N	3.62W	22	2.9L,2.8L	
INMG	III	18 18 51 57.5–1.4	35.71N	3.69W	0	2.2L,2.8L	
CNRM	III	18 18 51 57.5	35.69N	3.53W	18	2.7L,2.8L	
ISC	Event type ke.						
MDD	Event type ke. Error ellipse: s-maj=3.5km s-min=2.8km az=7.0.						
INMG	Event type ke. Error ellipse: s-maj=3.3km s-min=2.8km az=28.0.						
ISC	**III**	**21 06 50 56.3–.00**	**35.56N–.02**	**3.66W–.03**	**13–9**		**52 0-4**
CNRM	III	21 06 50 55.4	35.60N	3.67W	17	2.5L	**¶612756387**
SFS	III	21 06 50 57.6	35.39N	3.69W	23	2.6L,2.6	
MDD	III	21 06 50 58.6–.61	35.61N	3.63W	0	2.1,2.6	
ISC	Event type ke.						
MDD	Event type ke. Error ellipse: s-maj=5.7km s-min=3.6km az=36.0.						
ISC	**III**	**24 05 55 35.8–1.2**	**35.45N–.02**	**3.77W–.02**	**6–10**		**81 0-5**
MDD	III	24 05 55 37.9–.62	35.32N	3.81W	10–3	2.5	**¶612756406**
INMG	III	24 05 55 37.2–1.5	35.28N	3.82W	9	2.1L	
CNRM	III	24 05 55 38.1	35.45N	3.77W	17	2.3L	
SFS	III	24 05 55 38.8	35.33N	3.89W	34	2.6L,2.5L	
ISC	Event type ke.						
MDD	Event type ke. Error ellipse: s-maj=3.6km s-min=2.8km az=3.0.						
INMG	Event type ke. Error ellipse: s-maj=5.1km s-min=3.6km az=18.0.						

CNRM	**III**	**27 21 08 58.4**	**35.55N**	**3.64W**	**21**	**2.1L**	
SFS	III	27 21 08 57.5	35.44N	3.61W	21	2.5L,2.4L	¶612756436
MDD	III	27 21 08 58.8–.45	35.50N	3.68W	13–4	2.1,2.4L	
MDD	Event type ke. Error ellipse: s-maj=3.5km s-min=3.2km az=22.0.						
ISC	**IV**	**01 05 36 47.7–1.0**	**36.95N–.02**	**4.91W–.02**	**8–9**		**72 0-5**
CNRM	IV	01 05 36 39.6	36.52N	8.17W	352		¶610660930
SFS	IV	01 05 36 48.4	36.94N	4.92W	3	2.2L,2.2	
MDD	IV	01 05 36 48.5–.41	36.94N	4.86W	11–0	2.0,2.2	
INMG	IV	01 05 36 49.9–1.7	36.98N	4.92W	12–5	1.8L,2.2	
ISC	Event type ke.						
MDD	Event type ke. Error ellipse: s-maj=3.7km s-min=2.1km az=7.0.						
INMG	Event type ke. Error ellipse: s-maj=4.5km s-min=3.0km az=170.0.						
ISC	**IV**	**03 23 20 15.3–.86**	**36.48N–.02**	**5.40W–.02**	**10–6**		**98 0-5**
SFS	IV	03 23 20 14.6	36.31N	5.40W	2	2.6L,2.5L	¶610660945
MDD	IV	03 23 20 16.5–.38	36.51N	5.39W	2–3	2.3,2.5L	
IGIL	IV	03 23 20 16.0	36.51N	5.39W	2	2.3,2.5L	
INMG	IV	03 23 20 17.3–1.6	36.50N	5.42W	12–6	2.0L,2.5L	
CNRM	IV	03 23 20 21.5	36.36N	5.18W	105	2.0L,2.5L	
ISC	Event type ke.						
MDD	Event type ke. Error ellipse: s-maj=3.3km s-min=2.1km az=175.0.						
INMG	Event type ke. Error ellipse: s-maj=3.5km s-min=2.6km az=48.0.						
ISC	**IV**	**04 23 53 01.9–.91**	**36.97N–.03**	**4.08W–.02**	**72–5**		**270 0-12**
CNRM	IV	04 23 53 03.4	36.84N	4.14W	98	2.5L	¶610642068
LDG	IV	04 23 53 03.7–.20	36.93N	4.26W	30	3.4L	
SFS	IV	04 23 53 03.9	36.92N	4.09W	64	3.3L,3.2L	
IGIL	IV	04 23 53 04.2	36.93N	4.11W	32	3.1L,3.2L	
MDD	IV	04 23 53 04.2–.19	36.93N	4.10W	58–3	4.0b,3.2L	
INMG	IV	04 23 53 05.6–2.2	36.98N	4.25W	55–6	2.9L,3.2L	
ISC	Event type ke.						
LDG	Event type ke. Error ellipse: s-maj=4.8km s-min=3.2km az=176.0.						
MDD	Event type ke. Error ellipse: s-maj=1.8km s-min=1.3km az=158.0.						
INMG	Event type ke. Error ellipse: s-maj=4.3km s-min=3.1km az=120.0.						
ISC	**IV**	**07 22 30 29.2–2.0**	**36.10N–.04**	**7.79W–.04**	**34–4**		**90 1-7**
CNRM	IV	07 22 30 26.4	36.00N	8.23W	23		¶610660965
SFS	IV	07 22 30 30.0	36.12N	7.79W	21	2.6L,2.6	
MDD	IV	07 22 30 29.4–.96	36.13N	7.78W	14–13	2.4,2.6	
INMG	IV	07 22 30 30.4–1.6	36.05N	7.85W	38	1.8L,2.6	
IGIL	IV	07 22 30 30.7	36.04N	7.87W	31	1.8L,2.6	
ISC	Event type ke.						
MDD	Event type ke. Error ellipse: s-maj=15.0km s-min=3.8km az=20.0.						
INMG	Event type ke. Error ellipse: s-maj=5.2km s-min=3.6km az=43.0.						
ISC	**IV**	**19 05 37 48.4–1.1**	**35.50N–.02**	**3.95W–.02**	**21–3**		**112 0-6**
MDD	IV	19 05 37 49.7–.42	35.56N	4.07W	0	2.4	¶610661040
SFS	IV	19 05 37 49.7	35.59N	4.09W	0	2.8L,2.8	
INMG	IV	19 05 37 49.8–1.4	35.49N	4.04W	8	2.1L,2.8	
CNRM	IV	19 05 37 49.2	35.42N	3.94W	30	2.6L,2.8	
IGIL	IV	19 05 37 50.9	35.56N	4.07W	1	2.6L,2.8	
ISC	Event type ke.						
MDD	Event type ke. Error ellipse: s-maj=3.7km s-min=3.0km az=157.0.						
INMG	Event type ke. Error ellipse: s-maj=3.3km s-min=2.5km az=91.0.						
ISC	**IV**	**19 06 07 33.4–2.4**	**35.86N–.03**	**7.61W–.03**	**34–3**		**138 1-54**
CNRM	IV	19 06 07 31.5	35.85N	7.48W	29	2.3L	¶610661041
SFS	IV	19 06 07 33.6	35.88N	7.68W	30	3.3L,3.1L	
INMG	IV	19 06 07 34.9–1.5	35.91N	7.64W	39	2.4L,3.1L	
IGIL	IV	19 06 07 34.1	35.89N	7.64W	28	2.3L,3.1L	
MDD	IV	19 06 07 34.1–.41	35.89N	7.66W	40–12	2.8,3.1L	
ISC	Event type ke.						
INMG	Event type ke. Error ellipse: s-maj=3.6km s-min=2.5km az=64.0.						
MDD	Event type ke. Error ellipse: s-maj=3.4km s-min=2.7km az=49.0.						
ISC	**IV**	**22 06 09 56.6–1.6**	**35.52N–.02**	**3.75W–.03**	**16–12**		**70 1-5**
MDD	IV	22 06 09 57.2–.46	35.62N	3.80W	0	2.5	¶612756661
CNRM	IV	22 06 09 57.9	35.38N	3.73W	14	2.7L	
SFS	IV	22 06 09 59.2	35.56N	3.88W	14	3.0L,2.9L	
ISC	Event type ke.						
MDD	Event type ke. Error ellipse: s-maj=3.8km s-min=3.2km az=66.0.						
ISC	**IV**	**24 12 39 45.6–1.1**	**36.42N–.02**	**4.73W–.02**	**64–7**		**132 0-6**
CNRM	IV	24 12 39 45.4	36.37N	4.78W	76	2.0L	¶610661067
SFS	IV	24 12 39 47.1	36.39N	4.71W	52	2.5,2.4L	
IGIL	IV	24 12 39 47.8	36.40N	4.76W	40	2.2L,2.4L	
MDD	IV	24 12 39 47.4–.38	36.40N	4.76W	48–6	2.7,2.4L	
INMG	IV	24 12 39 48.5–1.6	36.50N	4.80W	47–6	2.4L,2.4L	
ISC	Event type ke.						
MDD	Event type ke. Error ellipse: s-maj=3.7km s-min=2.2km az=175.0.						
INMG	Event type ke. Error ellipse: s-maj=3.4km s-min=2.9km az=163.0.						
ISC	**IV**	**27 01 35 19.5–1.1**	**36.54N–.02**	**4.59W–.02**	**64–6**		**125 0-6**
SFS	IV	27 01 35 20.6	36.52N	4.61W	59	2.5L,2.4L	¶610661076
MDD	IV	27 01 35 20.9–.51	36.55N	4.62W	59–5	3.3b,2.4L	
INMG	IV	27 01 35 20.7–1.8	36.55N	4.61W	57–7	2.0L,2.4L	
CNRM	IV	27 01 35 22.4	36.29N	4.59W	83	2.5L,2.4L	
ISC	Event type ke.						
MDD	Event type ke. Error ellipse: s-maj=5.0km s-min=2.1km az=171.0.						
INMG	Event type ke. Error ellipse: s-maj=3.0km s-min=2.8km az=13.0.						
ISC	**V**	**03 10 45 47.4–.99**	**35.57N–.02**	**3.62W–.02**	**11–8**		**101 0-5**
CNRM	V	03 10 45 45.8	35.67N	3.60W	10	2.8L	¶610696752
MDD	V	03 10 45 48.1–.45	35.55N	3.66W	20–6	2.9	
SFS	V	03 10 45 49.4	35.45N	3.63W	25	3.1L,2.9L	
INMG	V	03 10 45 49.0–1.8	35.57N	3.70W	1	2.4L,2.9L	
IGIL	V	03 10 45 51.2	35.55N	3.66W	20	2.4L,2.9L	
ISC	Event type ke.						
MDD	Event type ke. Error ellipse: s-maj=3.7km s-min=3.4km az=18.0.						
INMG	Event type ke. Error ellipse: s-maj=5.6km s-min=4.1km az=19.0.						
ISC	**V**	**07 16 06 43.6–1.2**	**36.57N–.03**	**7.62W–.02**	**17–9**		**125 1-6**
CNRM	V	07 16 06 44.1	36.47N	7.75W	30	2.7L	¶610696789
SFS	V	07 16 06 47.2	36.56N	7.69W	36	2.7L,2.4L	
IGIL	V	07 16 06 47.8	36.56N	7.66W	27	1.7L,2.4L	
MDD	V	07 16 06 48.4–.55	36.62N	7.65W	32–12	2.5,2.4L	
INMG	V	07 16 06 48.2–1.5	36.55N	7.69W	34	1.9L,2.4L	
ISC	Event type ke.						
MDD	Event type ke. Error ellipse: s-maj=6.3km s-min=2.7km az=31.0.						
INMG	Event type ke. Error ellipse: s-maj=4.7km s-min=2.6km az=36.0.						
ISC	**V**	**09 06 47 27.7–.73**	**36.93N–.02**	**2.31W–.02**	**16–4**		**252 0-14**
CRAAG	V	09 06 47 27.2	36.92N	2.37W		3.5L	¶610641322
LDG	V	09 06 47 28.8–.24	36.91N	2.41W	10	3.3L	
INMG	V	09 06 47 28.6–1.7	36.88N	2.32W	12–3	3.2L	
SFS	V	09 06 47 29.6	36.95N	2.36W	20	3.8L,3.8L	
IGIL	V	09 06 47 29.0	36.92N	2.36W	2	3.8L,3.8L	
MDD	V	09 06 47 29.3–.19	36.92N	2.35W	12–0	3.7,3.8L	
CNRM	V	09 06 47 30.0	36.88N	2.28W	30	3.1L,3.8L	
ISC	Event type ke.						
CRAAG	Gibraltar.						
LDG	Event type ke. Error ellipse: s-maj=5.6km s-min=3.0km az=151.0.						
INMG	Event type ke. Error ellipse: s-maj=3.0km s-min=2.3km az=155.0.						
MDD	Event type ke. Error ellipse: s-maj=1.9km s-min=1.3km az=150.0.						
ISC	**V**	**17 18 07 37.5–1.3**	**35.55N–.02**	**3.74W–.03**	**10–11**		**42 0-3**
CNRM	V	17 18 07 39.6	35.53N	3.67W	14	1.7L	¶612756851
SFS	V	17 18 07 40.0	35.45N	3.75W	25	2.5L,2.4L	
MDD	V	17 18 07 39.8–.59	35.46N	3.74W	20–8	2.3,2.4L	
ISC	Event type ke.						
MDD	Event type ke. Error ellipse: s-maj=8.0km s-min=4.0km az=13.0.						
ISC	**V**	**17 22 46 14.4–1.2**	**36.29N–.03**	**7.72W–.04**	**35**		**74 1-5**
MDD	V	17 22 46 16.9–1.0	36.44N	7.66W	20–9	2.0	¶610696841
INMG	V	17 22 46 17.1–1.3	36.33N	7.74W	31–4	1.6L	
SFS	V	17 22 46 18.1	36.46N	7.73W	60	2.6L,2.6	
CNRM	V	17 22 46 21.2	35.55N	7.51W	0	2.6L,2.6	
ISC	Event type ke.						
MDD	Event type ke. Error ellipse: s-maj=11.6km s-min=3.6km az=36.0.						
INMG	Event type ke. Error ellipse: s-maj=2.8km s-min=2.3km az=45.0.						
ISC	**V**	**18 15 02 30.8–1.4**	**35.61N–.03**	**3.71W–.03**	**15–12**		**30 0-2**
CNRM	V	18 15 02 32.6	35.58N	3.71W	22	1.9L	¶612756860
MDD	V	18 15 02 32.2–.51	35.61N	3.76W	30	2.5	
SFS	V	18 15 02 33.1	35.55N	3.72W	45	2.4L,2.4	
ISC	Event type ke.						
MDD	Event type ke. Error ellipse: s-maj=4.9km s-min=4.1km az=28.0.						
ISC	**V**	**22 01 43 41.0–1.2**	**35.69N–.02**	**4.64W–.03**	**35**		**79 1-5**
CNRM	V	22 01 43 40.7	35.53N	4.71W	90		¶610696853
SFS	V	22 01 43 41.6	35.65N	4.67W	28	2.9L,2.9	
INMG	V	22 01 43 41.8–1.5	35.64N	4.72W	45	2.0L,2.9	
MDD	V	22 01 43 42.4–.91	35.68N	4.68W	30–10	2.5,2.9	
ISC	Event type ke.						
INMG	Event type ke. Error ellipse: s-maj=6.9km s-min=3.3km az=78.0.						
MDD	Event type ke. Error ellipse: s-maj=6.2km s-min=3.6km az=153.0.						
ISC	**V**	**22 12 29 03.4–1.3**	**35.65N–.03**	**4.61W–.03**	**104–8**		**80 1-4**
CNRM	V	22 12 29 03.2	35.50N	4.81W	123	2.2L	¶610696857
IGIL	V	22 12 29 05.7	35.88N	4.70W	0	2.1L	
SFS	V	22 12 29 06.5	35.67N	4.63W	72	2.7L,2.7	
INMG	V	22 12 29 07.5–1.8	35.70N	4.74W	31–10	2.0L,2.7	
MDD	V	22 12 29 08.1–.85	35.88N	4.70W	115–11	1.5b,2.7	
ISC	Event type ke.						
INMG	Event type ke. Error ellipse: s-maj=6.8km s-min=5.4km az=163.0.						
MDD	Event type ke. Error ellipse: s-maj=8.0km s-min=4.7km az=165.0.						
ISC	**V**	**22 14 44 41.0–2.2**	**36.67N–.10**	**7.37W–.04**	**6–12**		**29 1-2**
SFS	V	22 14 44 45.0	36.65N	7.61W	23	2.5L,2.3L	¶610696858
INMG	V	22 14 44 45.9–1.4	36.71N	7.46W	25–6	1.3L,2.3L	
MDD	V	22 14 44 52.0–.80	37.11N	7.62W	26–4	2.0,2.3L	
ISC	Event type ke.						
INMG	Event type ke. Error ellipse: s-maj=8.4km s-min=5.7km az=165.0.						
MDD	Event type ke. Error ellipse: s-maj=7.1km s-min=4.2km az=173.0.						
ISC	**VI**	**02 06 27 45.6–.94**	**36.46N–.02**	**3.13W–.02**	**15–8**		**126 0-7**
MDD	VI	02 06 27 46.0–.38	36.48N	3.17W	0	3.0	¶610933000
CNRM	VI	02 06 27 45.8	36.52N	3.12W	26	2.4L	
INMG	VI	02 06 27 46.2–1.3	36.47N	3.16W	1	2.7L	
SFS	VI	02 06 27 46.2	36.47N	3.11W	21	3.2L,3.1L	
IGIL	VI	02 06 27 47.0	36.46N	3.17W	0	2.4L,3.1L	
ISC	Event type ke.						
MDD	Event type ke. Error ellipse: s-maj=3.0km s-min=2.4km az=150.0.						
INMG	Event type ke. Error ellipse: s-maj=2.7km s-min=2.0km az=85.0.						
ISC	**VI**	**04 13 15 55.2–1.2**	**36.64N–.03**	**7.04W–.03**	**27–13**		**74 1-6**
SFS	VI	04 13 15 54.7	36.63N	7.06W	4	2.5L,2.4L	¶610933007
CNRM	VI	04 13 15 54.5	36.79N	6.65W	61	2.5L,2.4L	
IGIL	VI	04 13 15 55.7	36.58N	7.15W	16	1.5L,2.4L	
MDD	VI	04 13 15 55.4–.65	36.65N	7.10W	15–3	2.3,2.4L	
INMG	VI	04 13 15 56.3–1.2	36.64N	7.13W	18–3	1.8L,2.4L	
ISC	Event type ke.						
MDD	Event type ke. Error ellipse: s-maj=5.1km s-min=2.6km az=15.0.						
INMG	Event type ke. Error ellipse: s-maj=4.5km s-min=2.1km az=21.0.						
ISC	**VI**	**07 16 21 31.7–1.2**	**35.77N–.02**	**4.68W–.03**	**100–8**		**124 1-7**
CNRM	VI	07 16 21 32.5	35.69N	4.69W	98	2.1L	¶610933033
SFS	VI	07 16 21 33.8	35.74N	4.70W	79	3.1L,3.0	
MDD	VI	07 16 21 33.7–.51	35.74N	4.70W	82–9	3.1b,3.0	
INMG	VI	07 16 21 34.1–1.3	35.79N	4.75W	77–4	2.5L,3.0	
IGIL	VI	07 16 21 34.2	35.74N	4.70W	32	2.3L,3.0	
ISC	Event type ke.						
MDD	Event type ke. Error ellipse: s-maj=4.1km s-min=3.1km az=159.0.						
INMG	Event type ke. Error ellipse: s-maj=3.5km s-min=3.1km az=126.0.						
ISC	**VI**	**09 11 46 20.5–1.2**	**35.50N–.02**	**3.58W–.02**	**6–10**		**73 0-5**
CNRM	VI	09 11 46 20.8	35.65N	3.56W	4	2.6L	¶612757034
MDD	VI	09 11 46 22.9–.45	35.50N	3.68W	0	2.5	
SFS	VI	09 11 46 23.2	35.39N	3.58W	42	2.8L,2.7L	
IGIL	VI	09 11 46 24.4	35.50N	3.68W	0	2.8L,2.7L	
ISC	Event type ke.						
MDD	Event type ke. Error ellipse: s-maj=3.8km s-min=2.5km az=15.0.						
ISC	**VI**	**13 19 13 03.6–1.7**	**36.60N–.04**	**7.50W–.03**	**19–4**		**61 1-4**
CNRM	VI	13 19 13 03.4	36.72N	7.28W	69		¶610933060
INMG	VI	13 19 13 05.7–1.3	36.56N	7.55W	13	1.7L	
MDD	VI	13 19 13 05.5–.76	36.56N	7.56W	20–4	2.2	
IGIL	VI	13 19 13 06.1	36.53N	7.53W	30	1.7L	
SFS	VI	13 19 13 07.1	36.63N	7.49W	24	2.5L,2.4L	
ISC	Event type ke.						
INMG	Event type ke. Error ellipse: s-maj=5.8km s-min=3.6km az=53.0.						
MDD	Event type ke. Error ellipse: s-maj=5.5km s-min=3.3km az=23.0.						
ISC	**VI**	**17 04 17 45.5–.90**	**36.98N–.03**	**3.89W–.02**	**74–6**		**272 0-12**
LDG	VI	17 04 17 46.8–.18	37.04N	3.84W	30	3.4L	¶610697522
MDD	VI	17 04 17 48.0–.20	36.92N	3.94W	58–3	4.2b	
CNRM	VI	17 04 17 47.4	36.86N	3.99W	59	4.2b	
INMG	VI	17 04 17 47.7–1.5	36.91N	3.94W	60–3	3.0L	
SFS	VI	17 04 17 47.6	36.93N	3.92W	63	3.5L,3.4	
IGIL	VI	17 04 17 47.9	36.91N	3.94W	32	3.3L,3.4	
ISC	Event type ke.						
LDG	Event type ke. Error ellipse: s-maj=4.4km s-min=3.1km az=162.0.						
MDD	Event type ke. Error ellipse: s-maj=1.9km s-min=1.3km az=160.0.						
INMG	Event type ke. Error ellipse: s-maj=2.1km s-min=1.9km az=40.0.						
ISC	**VI**	**20 20 44 16.4–1.1**	**36.92N–.03**	**3.94W–.02**	**71–5**		**146 0-7**
CNRM	VI	20 20 44 16.8	36.81N	4.08W	30	3.0L	¶610933090
SFS	VI	20 20 44 18.0	36.95N	3.94W	63	2.6,2.5L	
MDD	VI	20 20 44 18.6–.33	36.95N	3.96W	60–5	3.3b,2.5L	
INMG	VI	20 20 44 18.1–1.2	36.93N	3.95W	63–3	2.1L,2.5L	
IGIL	VI	20 20 44 19.0	36.95N	3.96W	60	2.1L,2.5L	
ISC	Event type ke.						
MDD	Event type ke. Error ellipse: s-maj=3.2km s-min=1.6km az=164.0.						
INMG	Event type ke. Error ellipse: s-maj=2.4km s-min=2.2km az=4.0.						
ISC	**VI**	**21 05 31 48.4–.79**	**36.73N–.03**	**7.93W–.02**	**10**		**123 0-6**
CNRM	VI	21 05 31 46.5	36.62N	7.87W	0	2.4L	¶610933093
SFS	VI	21 05 31 50.5	36.77N	7.97W	15	2.7L,2.7	
IGIL	VI	21 05 31 51.7	36.79N	8.03W	22	2.7L,2.7	
MDD	VI	21 05 31 51.2–.68	36.83N	7.98W	22–1	2.6,2.7	
INMG	VI	21 05 31 51.5–1.8	36.79N	8.02W	22–2	2.5L,2.7	
ISC	Event type ke.						
MDD	Event type ke. Error ellipse: s-maj=5.5km s-min=3.4km az=13.0.						
INMG	Event type ke. Error ellipse: s-maj=2.9km s-min=2.6km az=71.0.						
ISC	**VI**	**23 07 57 52.0–.92**	**36.56N–.03**	**4.42W–.02**	**104–6**		**256 0-13**
LDG	VI	23 07 57 53.2–.19	36.53N	4.46W	91	3.9L	¶610780020
MDD	VI	23 07 57 53.9–.22	36.52N	4.44W	87–3	3.8b	
SFS	VI	23 07 57 53.8	36.50N	4.42W	90	3.9L,3.8	
CNRM	VI	23 07 57 53.7	36.44N	4.51W	94	3.9L,3.8	
IGIL	VI	23 07 57 54.8	36.52N	4.44W	60	3.8L,3.8	
INMG	VI	23 07 57 54.1–1.9	36.58N	4.44W	88–4	3.6L,3.8	
ISC	Event type ke.						
LDG	Event type ke. Error ellipse: s-maj=4.5km s-min=2.6km az=168.0.						
MDD	Event type ke. Error ellipse: s-maj=1.9km s-min=1.4km az=161.0.						
INMG	Event type ke. Error ellipse: s-maj=3.0km s-min=2.6km az=61.0.						
ISC	**VI**	**28 15 24 05.3–1.4**	**36.19N–.03**	**7.96W–.07**	**33–11**		**33 1-5**
CNRM	VI	28 15 24 05.6	36.09N	7.97W	30	2.7L	¶610933126
IGIL	VI	28 15 24 08.8	36.34N	7.97W	20	1.4L	
INMG	VI	28 15 24 08.6–1.1	36.34N	7.97W	18–4	1.7L	
ISC	Event type ke.						
INMG	Event type ke. Error ellipse: s-maj=5.4km s-min=3.7km az=6.0.						

(386) Balearic Islands.

ISC	**IV**	**02 12 23 38.1–1.2**	**40.89N–.02**	**3.48E–.03**	**8–10**		**121 1-5**
SFS	IV	02 12 23 40.5	40.80N	3.55E	0	3.2L,3.1L	¶610642036
LDG	IV	02 12 23 41.4–.19	40.83N	3.47E	35	2.5L,3.1L	
MDD	IV	02 12 23 42.6–.52	40.82N	3.59E	35–3	2.5,3.1L	
MRB	IV	02 12 23 45.3–.20	41.03N	3.07E		1.7L,3.1L	
STR	IV	02 12 23 45.6–1.2	41N–9.0	4E–4.0	10	2.4,3.1L	
ISC	Event type ke.						
LDG	Event type ke.						
MDD	Event type ke.						
MRB	Event type ke.						
STR	Event type se. manual. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/pyrenees_taup-2.11. preliminary.						

(387) Western Mediterranean Sea.

ISC I 26 20 54 41.1–1.2 37.01N–.08 3.20E–.07 12 13 0-4
MDD I 26 20 54 41.7–1.1 36.96N 3.14E 0 3.6b,2.9 ¶615222225
CRAAG I 26 20 54 42.0 36.83N 3.21E 2.5L,2.9
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=11.0km s-min=6.7km az=118.0.
CRAAG Algerie 04km NW El-Marsa.
ISC II 03 10 28 48.9–1.4 37.06N–.05 3.02E–.06 12 29 0-7
CRAAG II 03 10 28 53.6 37.02N 3.13E 3.2L ¶614970985
MDD II 03 10 28 53.7–.82 37.09N 2.98E 27 4.3b,3.6
ISC Event type ke.
CRAAG Algerie 25km NW El-Marsa.
MDD Event type ke. Error ellipse: s-maj=8.2km s-min=4.1km az=118.0.
ISC II 05 19 21 59.6–1.3 40.84N–.05 5.10E–.03 8–8 91 2-9
STR II 05 19 22 01.4–2.3 40N–20 5E–7.0 10 3.5 ¶610224048
MDD II 05 19 22 03.6–1.0 40.84N 5.11E 1–10 4.1b,3.5
LDG II 05 19 22 04.2–.23 40.71N 5.02E 14 2.9L,3.5
ISC Event type ke.
STR Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=174.4. manual.
smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. preliminary.
MDD Event type ke. Error ellipse: s-maj=16.0km s-min=4.4km az=172.0.
LDG Event type ke. Error ellipse: s-maj=5.2km s-min=2.6km az=171.0.
ISC II 24 04 30 00.2–.97 37.10N–.05 4.24E–.04 10 68 1-8
CRAAG II 24 04 30 00.0 36.89N 4.19E 2.8L ¶610272952
MDD II 24 04 30 03.2–.67 36.91N 4.30E 30–11 4.1b,3.4
LDG II 24 04 30 04.1–.30 37.05N 4.24E 10 3.1L,3.4
ISC Event type ke.
CRAAG Algerie 05km NE Tigzirt.
MDD Event type ke. Error ellipse: s-maj=8.7km s-min=2.9km az=141.0.
LDG Event type ke. Error ellipse: s-maj=5.9km s-min=3.5km az=158.0.
ISC III 09 01 38 47.7–1.3 36.23N–.02 1.52W–.03 21–4 74 1-5
MDD III 09 01 38 47.1–.39 36.18N 1.55W 5–3 2.5 ¶612756305
CNRM III 09 01 38 48.6 36.30N 1.59W 30 2.1L
SFS III 09 01 38 50.5 36.24N 1.53W 30 2.6L,2.6
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=2.9km s-min=2.8km az=63.0.
ISC III 09 13 51 14.6–1.0 36.26N–.04 0.66W–.05 10 15 1-4
MDD III 09 13 51 18.7–.43 36.04N 0.70W 28 2.2 ¶615223213
CRAAG III 09 13 51 20.3 35.87N 0.67W 3.1L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=5.0km s-min=4.6km az=43.0.
CRAAG Algerie 18km NW Oran.
ISC III 29 23 17 11.1–.90 37.08N–.05 3.18E–.06 10 102 0-13
CRAAG III 29 23 17 12.3 36.90N 3.20E 3.7L ¶610641973
MDD III 29 23 17 15.3–.78 37.03N 3.02E 3–16 4.1b,3.4
LDG III 29 23 17 15.1–.19 36.93N 3.17E 10 3.1L,3.4
CNRM III 29 23 17 17.1 36.77N 2.63E 10 3.1L,3.4
ISC Event type ke.
CRAAG Algerie 11km NW El-Marsa.
MDD Event type ke. Error ellipse: s-maj=20.3km s-min=3.8km az=136.0.
LDG Event type ke. Error ellipse: s-maj=4.0km s-min=2.7km az=152.0.
ISC V 27 06 25 56.4–4.0 37.2N–.20 4.6E–.20 10 20 3-5
MDD V 27 06 25 55.2–1.1 37.05N 4.74E 0 3.9b,3.3 ¶614953365
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=9.7km s-min=6.4km az=119.0.
ISC VI 12 04 55 06.2–.71 38.99N–.05 5.18E–.04 10 3.7b 208 1-67
IDC VI 12 04 55 06.0–2.0 38.93N 5.36E 0 4.2s,3.9L ¶610697451
LDG VI 12 04 55 09.2–.24 38.96N 5.41E 12 3.6L,3.9L
MDD VI 12 04 55 09.7–.47 38.89N 5.40E 27–5 4.6b,4.0
CNRM VI 12 04 55 15.7 38.59N 4.41E 0 4.6b,4.0
TUN VI 12 04 55 43.8 37.08N 7.74E 19–6 2.8,4.0
ISC Event type ke.
IDC Error ellipse: s-maj=32.5km s-min=26.6km az=59.0.
LDG Event type ke. Error ellipse: s-maj=5.4km s-min=2.4km az=139.0.
MDD Event type ke. Error ellipse: s-maj=3.3km s-min=1.7km az=136.0.
ISC VI 20 17 09 48.8–1.3 42.25N–.04 7.16E–.03 29–13 137 1-6
STR VI 20 17 09 49.2–.81 42N–5.0 7E–4.0 22–7 2.4 ¶610697576
ROM VI 20 17 09 51.0–.13 42.30N 7.31E 38–0 2.2L
LDG VI 20 17 09 50.2–.11 42.26N 7.14E 20 2.8,2.7L
ISC Event type ke.
STR Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=31.7. manual.
smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/alpes_taup-2.11. preliminary.
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
LDG Event type ke. Error ellipse: s-maj=2.5km s-min=1.6km az=21.0.

(390) Southern Italy.

ROM I 02 19 58 41.9–.09 40.375N–.01 16.319E–.01 22–0 1.4L ¶614347717
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC I 05 03 15 04.0–.81 41.72N–.02 15.96E–.02 15–5 110 0-6
ROM I 05 03 15 04.0–.17 41.736N–.01 15.96E–.01 16–1 2.8L ¶609985357
ISC Event type se.
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 10 16 42 56.3–.21 41.501N–.01 14.607E–.01 31–1 1.9L ¶614375821
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 12 04 54 08.5–.15 41.50N–.01 14.62E–.01 16–1 1.2L ¶610057049
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 12 05 15 24.4–.19 41.52N–.01 14.63E–.01 10–1 1.3L ¶614376221
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 17 21 19 25.1–.15 40.629N–.01 15.46E–.02 8–1 2.0L
RISSC I 17 21 19 25.1 40.66N 15.46E 3 2.0L ¶612533418
ROM Event type se. Error ellipse: s-maj=1.4km s-min=0.3km az=80.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 20 18 39 36.5–.08 41.709N–.01 14.202E–.01 10–0 1.4L ¶614378689
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 20 21 16 55.5–.13 41.717N–.00 14.206E–.01 9–0 1.9,1.4L ¶614378778
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC I 21 11 05 44.8–.65 39.57N–.05 15.58E–.07 265–6 3.5b 75 0-71
ROM I 21 11 05 44.0–.20 39.542N–.01 15.68E–.03 271–1 3.2L ¶610104785
IDC I 21 11 05 44.9–1.6 39.75N 15.42E 257–19 3.7,3.2b
ISC Event type se.
ROM Event type se. Error ellipse: s-maj=2.2km s-min=0.5km az=94.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
IDC Error ellipse: s-maj=16.8km s-min=15.1km az=35.0.
ROM I 30 06 54 36.4–.12 41.728N–.01 14.226E–.01 10–0 1.2,0.9L ¶614383760
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC II 03 21 33 04.0–1.2 41.06N–.03 12.66E–.03 11–8 3.9b,3.8s 209 0-92
ROM II 03 21 33 02.3–.10 40.995N–.00 12.598E–.01 12–0 3.8W,3.7L ¶610198675
IDC II 03 21 33 03.6–1.1 41.03N 12.76E 0 3.7,3.7b
LDG II 03 21 33 04.3–.15 41.15N 12.63E 12 2.9L,3.7b
BEO II 03 21 33 05.8–.70 41.10N 12.93E 0 3.7L,3.7b
PRU II 03 21 33 08.0–.00 41.26N 12.69E 0 3.7L,3.7b
ISC Event type ke.
ROM Event type se. Error ellipse: s-maj=0.6km s-min=0.1km az=274.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1. Moment Tensor Solution.
Moment tensor: Scale 10^{14}Nm; M_{rr}-0.85 $M_{\theta\theta}$5.49 $M_{\phi\phi}$-4.64 $M_{r\theta}$-0.68 $M_{\theta\phi}$-0.88 $M_{\phi r}$0.83 NP1:
ϕ_s230.00000°,δ78.00000°,λ-177.00000°. NP2:ϕ_s139.00000°,δ87.00000°,λ-12.00000°.
$M_0$5.25866×10^{14}
IDC Error ellipse: s-maj=23.4km s-min=16.7km az=98.0.
LDG Event type ke. Error ellipse: s-maj=4.8km s-min=2.9km az=35.0.
BEO Event type ke.
ISC II 03 23 08 05.9–1.3 41.03N–.03 12.63E–.03 9–9 3.7b 217 1-68
LDG II 03 23 08 02.4–.14 40.80N 12.68E 10 3.0L ¶610195873
ROM II 03 23 08 05.8–.15 41.016N–.01 12.625E–.01 17–1 3.5L
BEO II 03 23 08 07.8–.90 40.93N 12.90E 0 3.6L
IDC II 03 23 08 11.3–3.3 41.14N 12.57E 32–30 3.6,3.5b
PRU II 03 23 08 11.9–.00 41.25N 13.20E 10 3.6,3.5b
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=3.3km s-min=2.3km az=19.0.
ROM Event type se. Error ellipse: s-maj=0.7km s-min=0.6km az=237.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
BEO Event type ke.
IDC Error ellipse: s-maj=20.5km s-min=14.4km az=93.0.
ROM II 04 01 14 56.3–.31 41.08N–.02 12.67E–.02 10 2.0L ¶614385457
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC II 04 02 10 40.7–1.2 41.06N–.04 12.58E–.03 16–9 78 1-9
LDG II 04 02 10 40.4–.33 41.00N 12.64E 11 2.8L ¶610195878
ROM II 04 02 10 42.1–.12 41.102N–.01 12.652E–.01 12 2.9L
ISC Event type ke.
LDG Event type ke.
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC II 08 20 56 49.9–.93 39.52N–.07 15.6E–.10 259–7 3.0b 48 0-48
IDC II 08 20 56 42.5–5.1 39.56N 15.56E 177–57 3.2,2.8b ¶610415142
ROM II 08 20 56 49.9–.29 39.50N–.01 15.58E–.04 260–2 2.8L,2.8b
ISC Event type se.
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 03 11 24 32.1–.14 39.140N–.01 15.897E–.01 52–1 1.4L ¶614391785
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC III 09 03 50 20.8–1.1 39.02N–.02 15.46E–.03 17–9 82 0-6
ROM III 09 03 50 20.7–.08 39.030N–.01 15.454E–.01 19–1 3.5L ¶610305047
ISC Event type se.
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC III 10 13 37 54.5–1.1 39.02N–.03 15.45E–.03 14–9 3.8b 57 0-48
IDC III 10 13 37 52.0–1.8 39.47N 14.82E 0 3.5b,3.4 ¶610321348
ROM III 10 13 37 54.8–.08 39.029N–.01 15.441E–.01 24–1 3.6L,3.4
ISC Event type se.
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC III 11 12 35 33.1–.77 39.82N–.07 15.86E–.07 269–6 3.5b 111 0-62
ROM III 11 12 35 32.2–.29 39.78N–.01 15.89E–.04 277–2 3.4L ¶610323415
LDG III 11 12 35 32.1–.07 39.86N 15.93E 284 3.1L
IDC III 11 12 35 37.1–1.6 39.97N 15.69E 307–17 3.7,3.1b
ISC Event type ke.
ROM Event type se. Error ellipse: s-maj=3.0km s-min=0.6km az=91.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
LDG Event type ke. Error ellipse: s-maj=2.7km s-min=1.6km az=41.0.
IDC Error ellipse: s-maj=30.7km s-min=13.6km az=99.0.
ROM III 11 13 01 29.5–.06 41.513N–.00 14.607E–.01 10–0 2.0L ¶610323381
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 13 23 24 06.2–.11 41.358N–.01 14.75E–.01 9–0 2.0L ¶616602601
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 14 03 44 50.5–.19 39.221N–.01 16.681E–.01 23–1 1.8L ¶616602603
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 14 03 45 45.3–.25 39.215N–.01 16.679E–.01 25–1 1.4L ¶610327650
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 17 02 57 41.4–.09 41.469N–.00 14.971E–.01 15–1 1.6L ¶616602648
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 19 11 55 51.2–.36 41.62N–.01 14.61E–.02 25–2 1.1L ¶616417956
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 21 06 11 15.1–.08 41.553N–.01 13.060E–.01 8–0 2.0L ¶610394243
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 21 09 31 02.6–.12 41.506N–.00 15.002E–.01 25–1 2.1L ¶616602709
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 21 22 31 42.5–.08 41.170N–.00 14.660E–.01 10–0 2.3L ¶616602714
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC III 25 21 57 47.0–.76 41.52N–.02 14.96E–.02 26–4 285 0-47
ROM III 25 21 57 47.0–.06 41.509N–.00 14.993E–.01 20–0 3.5W,3.4L ¶610436937
PDG III 25 21 57 47.1–.56 41.51N 14.99E 18–0 3.6L,3.4L
IDC III 25 21 57 48.5–4.9 41.94N 15.31E 0 3.8L,3.4
LDG III 25 21 57 48.1 41.42N 14.95E 29 3.8L,3.4
PRU III 25 21 57 48.9–.00 41.63N 15.44E 10 3.8L,3.4
BEO III 25 21 57 51.5–.60 41.53N 15.24E 29–5 3.5L,3.4
ISC Event type ke.

ROM Event type se. Error ellipse: s-maj=0.4km s-min=0.1km az=208.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1. Moment Tensor Solution.
Moment tensor: Scale 10^{14}Nm; M_{rr}-1.66 $M_{\theta\theta}$0.05 $M_{\phi\phi}$1.61 $M_{r\theta}$-0.74 $M_{\theta\phi}$-1.61 $M_{\phi r}$-0.77 NP1: ϕ_s118.00000°,δ52.00000°,λ-137.00000°. NP2:ϕ_s358.00000°,δ58.00000°,λ-47.00000°. $M_0$2.52408×10^{14}
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=0.8km az=0.0.
IDC Error ellipse: s-maj=92.9km s-min=23.3km az=58.0.
LDG Event type ke.
BEO Event type ke.
ROM III 30 21 48 57.2–.13 39.055N–.01 16.74E–.01 10–0 1.3L ¶610460765
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 30 21 49 38.5–.09 40.583N–.00 16.029E–.01 43–1 2.3L ¶616602744
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IV 02 23 28 14.2–.23 41.505N–.01 14.987E–.01 27–1 1.6L ¶614394688
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IV 05 05 25 33.9–.08 41.770N–.00 13.699E–.01 9–0 1.6L ¶614394981
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC IV 15 13 19 35.6–1.0 41.73N–.02 15.90E–.03 19–3 70 0-3
ROM IV 15 13 19 35.4–.16 41.739N–.01 15.91E–.01 23–1 2.6L ¶610528572
ISC Event type se.
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IV 16 12 12 48.2–.09 41.944N–.01 14.050E–.01 11–0 0.8L ¶614396563
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IV 18 05 30 12.0–.23 41.940N–.01 15.57E–.01 20–2 2.2L ¶617174826
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IV 18 05 31 02.7–.05 41.855N–.00 13.625E–.00 16–0 2.6L ¶610529602
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC IV 23 04 25 35.9–.66 41.88N–.02 15.71E–.02 31–5 4.1b 538 0-82
NAO IV 23 04 25 03.1 38.72N 15.40E 33 3.2b ¶616199801
IDC IV 23 04 25 32.0–1.0 41.84N 15.57E 0 4.0L,3.9
BGR IV 23 04 25 34.5–1.0 41.75N 15.94E 10 4.0L,3.9
NEIC IV 23 04 25 35.6–2.3 41.97N–.05 15.84E–.05 16–6 4.1b,3.9
PDG IV 23 04 25 35.8–1.2 41.90N 15.81E 25–1 4.0L,3.9
ROM IV 23 04 25 36.3–.07 41.829N–.00 15.785E–.01 30–0 4.0L,3.9W
LDG IV 23 04 25 38.1–.09 41.83N 15.70E 22 3.8L,3.9W
PRU IV 23 04 25 39.0–.00 42.19N 15.19E 0 4.1,3.9W
ISC Event type ke.
IDC Error ellipse: s-maj=17.3km s-min=12.9km az=34.0.
BGR Event type ke. Error ellipse: s-maj=17.8km s-min=12.2km az=74.0.
NEIC Event type se. Error ellipse: s-maj=7.0km s-min=5.2km az=196.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PDG Event type ke. Error ellipse: s-maj=0.8km s-min=1.0km az=0.0.
ROM Event type se. Error ellipse: s-maj=0.7km s-min=0.3km az=236.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1. Moment Tensor Solution.
Moment tensor: Scale 10^{14}Nm; M_{rr}-0.13 $M_{\theta\theta}$-4.95 $M_{\phi\phi}$5.08 $M_{r\theta}$-2.04 $M_{\theta\phi}$-5.43 $M_{\phi r}$-0.26 NP1: ϕ_s21.00000°,δ77.00000°,λ-7.00000°. NP2:ϕ_s112.00000°,δ83.00000°,λ-167.00000°. $M_0$7.66663×10^{14}
LDG Event type ke. Error ellipse: s-maj=3.0km s-min=1.7km az=51.0.
ISC IV 23 23 42 15.3–.66 39.25N–.06 15.79E–.07 232–5 3.2b 102 0-75
ROM IV 23 23 42 15.4–.27 39.22N–.01 15.72E–.03 232–2 3.1L ¶610547632
IDC IV 23 23 42 17.1–.84 39.42N 15.59E 241–12 3.5,3.0b
ISC Event type se.
ROM Event type se. Error ellipse: s-maj=2.9km s-min=0.8km az=110.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
IDC Error ellipse: s-maj=19.3km s-min=13.7km az=110.0.
ROM V 02 14 29 01.3–.16 39.404N–.01 16.21E–.01 8–1 1.0L ¶616382481
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC V 11 16 15 20.9–1.1 39.52N–.08 15.9E–.10 261–7 49 0-48
ROM V 11 16 15 20.9–.28 39.51N–.02 15.84E–.04 262–2 3.0L ¶610630609
IDC V 11 16 15 25.3–8.5 41.66N 20.34E 0 3.7L,3.5
ISC Event type se.
ROM Event type se. Error ellipse: s-maj=3.1km s-min=1.3km az=83.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
IDC Error ellipse: s-maj=159.9km s-min=31.4km az=29.0.
ROM V 13 20 23 06.3–.12 39.960N–.00 16.007E–.01 20–1 1.1L ¶610638566
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM V 13 20 23 19.4–.09 39.949N–.00 15.990E–.01 20–0 2.5L ¶617232493
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM V 19 08 41 56.4–.10 41.706N–.00 13.156E–.00 10–0 1.5 ¶616384533
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM V 20 07 38 46.7–.10 40.341N–.01 15.691E–.01 9–0 2.3L ¶610645721
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC V 21 03 49 20.8–1.1 38.79N–.03 17.41E–.02 11–10 106 1-8
ROM V 21 03 49 24.2–.10 38.852N–.00 17.311E–.01 27–0 3.0L ¶610646019
ISC Event type se.
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM V 23 09 25 01.0–.26 39.20N–.02 16.23E–.03 10–1 1.2L ¶616385011
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM V 24 16 16 28.1–.05 39.291N–.00 16.371E–.00 13–0 1.1L ¶616385177
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC V 27 23 53 01.4–.75 39.78N–.05 15.79E–.07 265–6 3.2b 94 0-55
ROM V 27 23 53 00.3–.21 39.76N–.01 15.83E–.03 273–1 3.0L ¶610655159
IDC V 27 23 53 01.6–3.5 39.91N 15.56E 261–43 3.6,3.1b
ISC Event type se.
ROM Event type se. Error ellipse: s-maj=2.3km s-min=0.7km az=102.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
IDC Error ellipse: s-maj=26.1km s-min=18.4km az=134.0.
ROM V 31 05 40 11.6–.08 41.675N–.01 14.079E–.01 11–0 0.9,0.7L ¶616385905
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM VI 06 06 14 50.1–.09 41.787N–.01 14.046E–.01 10–0 1.5L ¶610664109
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM VI 06 06 14 57.9–.06 41.795N–.00 14.035E–.01 8–0 2.3L ¶617481159
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM VI 09 21 34 27.3–.05 41.488N–.00 14.629E–.01 11–0 0.6L ¶616387038
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM VI 10 03 48 02.6–.06 41.490N–.00 14.618E–.00 10–0 1.8L ¶616387092
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM VI 10 07 41 27.8–.12 38.379N–.01 16.482E–.01 38–0 1.8L ¶616387126
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM VI 10 21 20 39.6–.08 41.483N–.01 14.629E–.01 11–0 1.1L ¶617481163
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC VI 13 05 17 41.7–.80 39.32N–.05 15.50E–.06 269–6 3.6b 109 0-31
ROM VI 13 05 17 40.9–.20 39.322N–.01 15.53E–.02 276–1 3.3L ¶610671747
IDC VI 13 05 17 46.0–7.9 39.64N 15.09E 293–56 3.6,3.0b
ISC Event type se.
ROM Event type se. Error ellipse: s-maj=1.8km s-min=0.6km az=105.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
IDC Error ellipse: s-maj=85.3km s-min=31.4km az=163.0.
ROM VI 21 05 48 07.8–.06 41.673N–.00 14.080E–.00 13–0 1.6L ¶616388201
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC VI 22 02 00 02.6–.82 41.69N–.02 14.39E–.02 16–5 50 0-3
ROM VI 22 02 00 02.1–.09 41.686N–.00 14.402E–.01 11–0 2.0L ¶617481167
ISC Event type se.
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM VI 23 13 21 14.4–.34 39.088N–.01 16.386E–.01 11–2 1.4L ¶616388385
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.

(391) Albania.

ISC I 01 08 39 52.7–1.0 41.76N–.02 19.32E–.02 7–8 115 0-4
TIR I 01 08 39 51.9 41.83N 19.39E 1–1 2.8,2.1L ¶612185353
RHSSO I 01 08 39 53.6–.79 41.77N 19.41E 8–2 2.4L,2.1L
PDG I 01 08 39 53.1–.23 41.81N 19.39E 12–0 2.3,2.2L
BEO I 01 08 39 54.4–.40 41.76N 19.35E 15–3 2.1L,2.2L
ISC Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.3km s-min=0.5km az=0.0.
BEO Event type ke.
ISC I 07 07 59 05.4–.86 41.19N–.02 19.93E–.02 16–7 130 0-9
PDG I 07 07 59 04.7–.38 41.17N 19.93E 24–1 3.1L ¶615527846
TIR I 07 07 59 04.8 41.18N 20.03E 11–1 3.4,3.2L
ATH I 07 07 59 04.3 41.35N 19.96E 10–31 2.9L,3.2L
THE I 07 07 59 05.8 41.18N 19.90E 12–1 2.8L,3.2L
BEO I 07 07 59 05.0–.40 41.18N 19.93E 15–1 2.7L,3.2L
SKO I 07 07 59 06.7 41.27N 20.00E 11 2.9L,3.2L
ISC Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.7km s-min=0.9km az=0.0.
ATH Event type ke. Error ellipse: s-maj=31.6km s-min=3.2km az=0.0.
THE Event type ke. Error ellipse: s-maj=2.0km s-min=0.9km az=310.0.
BEO Event type ke.
ISC I 08 10 20 02.9–1.1 41.41N–.03 19.51E–.03 12–8 54 0-5
BEO I 08 10 20 04.0–.60 41.38N 19.60E 10–2 2.0L ¶612185356
TIR I 08 10 20 04.2 41.46N 19.62E 11–0 2.5,2.2L
ISC Event type ke.
BEO Event type ke.
TIR I 10 14 20 41.4 40.08N 19.94E 4–1 2.3,1.8L ¶616063602
ISC I 13 00 51 07.3–1.0 41.39N–.03 19.48E–.03 14–8 70 0-4
TIR I 13 00 51 07.8 41.41N 19.55E 14–1 2.6,2.2L ¶612185358
PDG I 13 00 51 08.9–.20 41.46N 19.58E 13–1 2.1L,2.2L
BEO I 13 00 51 08.1–.50 41.38N 19.48E 11–2 2.0L,2.2L
ISC Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.8km s-min=1.0km az=0.0.
BEO Event type ke.
ISC I 13 15 14 51.9–1.3 41.06N–.04 20.06E–.03 2–12 31 0-3
TIR I 13 15 14 50.7 41.11N 20.12E 2–0 2.6,2.2L ¶612185363
SKO I 13 15 14 51.6 41.04N 19.96E 6 2.2L,2.2L
BEO I 13 15 14 53.5–.90 41.05N 20.07E 1–3 2.1L,2.2L
ISC Event type ke.
BEO Event type ke.
ISC I 14 12 50 02.8–1.1 41.11N–.02 20.07E–.02 3–10 89 0-5
BEO I 14 12 50 00.8–.70 40.85N 19.96E 0–2 2.8L ¶610448602
TIR I 14 12 50 01.6 41.12N 20.13E 2–1 3.4,2.8L
SKO I 14 12 50 01.9 41.06N 19.94E 0 2.6L,2.8L
THE I 14 12 50 02.8 41.13N 20.14E 3–3 2.5L,2.8L
PDG I 14 12 50 03.9–.21 41.14N 20.03E 2–0 2.6L,2.8L
ISC Event type ke.
BEO Event type ke.
THE Event type ke. Error ellipse: s-maj=4.2km s-min=1.2km az=46.0.
PDG Event type ke. Error ellipse: s-maj=1.0km s-min=1.5km az=0.0.
ISC I 15 21 55 34.5–1.1 40.27N–.02 19.36E–.03 10–9 70 0-4
TIR I 15 21 55 33.2 40.13N 19.38E 7–7 3.5,3.0L ¶615527861
THE I 15 21 55 34.6 40.34N 19.34E 0–2 2.2L,3.0L
BEO I 15 21 55 34.2–1.3 40.15N 19.36E 10–7 2.3L,3.0L
ATH I 15 21 55 36.3 40.24N 19.31E 16–3 2.3L,3.0L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=2.8km s-min=0.9km az=273.0.
BEO Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.7km s-min=1.4km az=181.0.
ISC I 16 05 09 47.3–.81 40.06N–.02 19.77E–.03 22–4 3.5b 96 0-45
TIR I 16 05 09 45.0 40.16N 19.81E 2–1 3.1L,2.9 ¶610237486
BEO I 16 05 09 45.4–.70 40.02N 19.54E 14–3 2.7L,2.9

THE I 16 05 09 47.4 40.15N 19.84E 2–3 2.9L,2.9
ATH I 16 05 09 47.9 40.07N 19.80E 29–3 2.9L,2.9
IDC I 16 05 09 48.4–9.2 40.61N 20.22E 0 3.4L,3.3
ISC Event type ke.
BEO Event type ke.
THE Event type ke. Error ellipse: s-maj=3.0km s-min=1.2km az=229.0.
ATH Event type ke. Error ellipse: s-maj=3.7km s-min=1.3km az=208.0.
IDC Error ellipse: s-maj=171.7km s-min=29.9km az=32.0.
TIR I 23 22 48 21.8 40.86N 19.80E 3–1 2.9,2.1L
SKO I 23 22 48 20.7 40.74N 19.61E 0 1.8L,2.1L ¶612185373
ISC I 26 00 38 40.9–1.1 40.13N–.02 19.87E–.02 3–9 84 0-4
BEO I 26 00 38 38.0–.80 39.89N 19.73E 14–3 2.9L ¶610448618
TIR I 26 00 38 40.0 40.13N 19.85E 2–1 3.1,3.1L
ATH I 26 00 38 41.3 40.14N 19.87E 8–3 2.8L,3.1L
THE I 26 00 38 41.4 40.15N 19.91E 4–2 2.8L,3.1L
ISC Event type ke.
BEO Event type ke.
ATH Event type ke. Error ellipse: s-maj=4.0km s-min=1.1km az=231.0.
THE Event type ke. Error ellipse: s-maj=2.3km s-min=0.9km az=191.0.
ISC I 26 00 50 20.9–1.1 40.13N–.02 19.84E–.02 2–10 74 0-4
BEO I 26 00 50 19.9–.80 40.01N 19.76E 0 2.7L ¶615527875
TIR I 26 00 50 19.9 40.11N 19.88E 2–1 3.1,2.8L
ATH I 26 00 50 21.1 40.15N 19.83E 9–3 2.6L,2.8L
THE I 26 00 50 21.6 40.14N 19.88E 0–3 2.5L,2.8L
ISC Event type ke.
BEO Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.7km s-min=1.1km az=198.0.
THE Event type ke. Error ellipse: s-maj=3.0km s-min=0.8km az=294.0.
ISC I 26 16 30 39.0–1.3 40.12N–.04 19.87E–.03 6–11 32 0-1
THE I 26 16 30 37.7 40.20N 19.80E 0–1 2.1L ¶610448620
TIR I 26 16 30 39.0 40.07N 19.92E 6–1 2.8,2.0L
ATH I 26 16 30 39.2 40.14N 19.85E 13–6 2.0L,2.0L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=2.0km s-min=0.6km az=292.0.
ATH Event type ke. Error ellipse: s-maj=7.5km s-min=1.7km az=204.0.
ISC I 27 17 07 57.5–.86 40.78N–.01 19.88E–.02 15–5 4.6b,4.1s 687 0-123
BGR I 27 17 07 48.1–1.5 39.87N 20.22E 10 4.5L,4.1s ¶610144711
PRU I 27 17 07 52.7–.00 40.32N 19.74E 0 4.7,4.1s
SKO I 27 17 07 53.3 40.49N 19.77E 0 4.2L,4.1s
PDG I 27 17 07 53.3–.62 40.78N 19.75E 4–0 4.6,4.5L
BJI I 27 17 07 54.8–.00 41.12N 19.34E 14 5.0b,4.9s
BEO I 27 17 07 54.0–.50 40.53N 19.75E 0 4.3L,4.9s
MOS I 27 17 07 54.5–1.1 40.76N 19.67E 9 4.7b,4.0s
IDC I 27 17 07 55.4–.51 40.76N 19.75E 0 4.3,4.3b
TIR I 27 17 07 56.8 40.80N 19.97E 3–1 4.8L,4.8
NEIC I 27 17 07 56.1–1.8 40.83N–.05 19.86E–.06 5–1 4.6b,4.5
LDG I 27 17 07 56.8–.10 40.76N 19.68E 6 4.0L,4.5
MED_R I 27 17 07 58.0–.30 40.66N 19.83E 12–1 4.6W,4.5
THE I 27 17 07 58.5 40.75N 19.96E 0–2 4.3L,4.5
ROM I 27 17 07 59.0 40.80N 19.75E 15 4.7,4.6b
ISC Event type ke. Moment Tensor Solution. NP1:ϕ_s79.64068°,δ77.65051°,λ31.23477°. NP2: ϕ_s342.25043°,δ59.56587°,λ165.63768°. Principal axes: T Plg30.6249°,Azm305.0038° ; N Plg56.6434°,Azm99.0667°; P Plg11.9437°,Azm207.8102°
BGR Event type ke. Error ellipse: s-maj=26.7km s-min=14.5km az=174.0.
PDG Event type ke. Error ellipse: s-maj=0.5km s-min=0.6km az=0.0.
BEO Event type ke.
MOS Error ellipse: s-maj=4.6km s-min=2.9km az=80.7.
IDC Error ellipse: s-maj=9.6km s-min=8.9km az=17.0.
NEIC Event type se. Error ellipse: s-maj=8.1km s-min=7.3km az=154.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-6.80 $M_{\theta\theta}$6.07 $M_{\phi\phi}$0.74 $M_{r\theta}$-1.33 $M_{\theta\phi}$-1.34 $M_{\phi r}$0.65 NP1:ϕ_s105.90000°,δ51.22000°,λ-86.86000°. NP2:ϕ_s280.90000° ,δ38.89000°,λ-93.90000°. Principal axes: T 6.5396,Plg6.0000°,Azm194.0000° ; N 0.4344,Plg2.0000°,Azm284.0000°; P -6.9740,Plg83.0000°,Azm35.0000° $M_0$6.77000×10^{15}
LDG Event type ke. Error ellipse: s-maj=3.7km s-min=2.0km az=28.0.
MED_R Error ellipse: s-maj=2.2km s-min=2.2km az=-1.0. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=35s. Moment Tensor Solution. Body waves: s1,c1; Mantle waves: s28,c39;Duration: 1s_1 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.35±.06 $M_{\theta\theta}$0.10±.04; $M_{\phi\phi}$0.25±.04; $M_{r\theta}$0.58±.13; $M_{\theta\phi}$0.71±.03; $M_{\phi r}$-0.22±.09; Best double couple: NP1:ϕ_s260.00000°,δ72.00000°,λ-40.00000°. NP2:ϕ_s5.00000°,δ53.00000°,λ-157.00000°. Principal axes: T 0.9400,Plg12.0000°,Azm317.0000°; N 0.1000,Plg47.0000°,Azm59.0000° ; P -1.0400,Plg41.0000°,Azm216.0000° $M_0$0.99000×10^{16}
THE Event type ke. Error ellipse: s-maj=2.6km s-min=0.8km az=325.0.
ROM Event type se. Error ellipse: s-maj=1.2km s-min=0.4km az=42.0. automatic. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=141. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC I 27 17 15 09.4–1.1 40.75N–.03 19.96E–.02 10–10 49 0-5
BEO I 27 17 15 06.4–.60 40.63N 19.80E 0 2.7L ¶612185378
TIR I 27 17 15 08.6 40.79N 19.96E 4–2 2.9,2.9L
ISC Event type ke.
BEO Event type ke.
ISC I 29 10 14 37.9–1.1 41.89N–.02 20.83E–.02 5–9 143 0-9
SKO I 29 10 14 36.9 41.88N 20.81E 15 3.0L ¶610147582
PDG I 29 10 14 37.6–.20 41.90N 20.82E 2–0 3.2,3.1L
BEO I 29 10 14 38.9–.20 41.89N 20.84E 0 2.6L,3.1L
THE I 29 10 14 39.5 41.88N 20.98E 0–4 2.9L,3.1L
ATH I 29 10 14 40.3 41.85N 20.96E 5–31 2.6L,3.1L
ISC Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=0.4km az=90.0.
BEO Event type ke.
THE Event type ke. Error ellipse: s-maj=5.2km s-min=2.2km az=350.0.
ATH Event type ke. Error ellipse: s-maj=31.6km s-min=2.5km az=0.0.
ISC II 01 19 49 16.2–.81 40.59N–.02 19.67E–.02 15–6 3.6b 145 0-59
IDC II 01 19 49 12.1–1.7 40.41N 19.48E 0 3.5b,3.4 ¶610414624
BEO II 01 19 49 14.3–.70 40.54N 19.47E 4–3 3.0L,3.4
TIR II 01 19 49 15.1 40.58N 19.72E 3–1 3.0L,2.8
THE II 01 19 49 16.5 40.61N 19.75E 0–2 3.3L,2.8
PDG II 01 19 49 17.1–.61 40.63N 19.65E 2–1 3.0L,2.8
ISC Event type ke.
IDC Error ellipse: s-maj=23.5km s-min=16.4km az=41.0.
BEO Event type ke.
THE Event type ke. Error ellipse: s-maj=2.7km s-min=0.8km az=340.0.
PDG Event type ke. Error ellipse: s-maj=0.8km s-min=1.7km az=0.0.
ISC II 03 08 13 17.2–1.0 41.39N–.02 19.29E–.02 14–8 89 0-4
BEO II 03 08 13 16.5–.50 41.33N 19.31E 16–2 2.3L ¶616051081
PDG II 03 08 13 17.2–.34 41.39N 19.31E 12–0 2.6L
TIR II 03 08 13 17.3 41.43N 19.35E 12–2 2.9,2.6L
ISC Event type ke.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.5km s-min=0.9km az=0.0.
ISC II 05 00 13 33.7–.77 40.60N–.02 19.66E–.02 16–5 3.8b 284 0-45
IDC II 05 00 13 31.4–1.1 40.62N 19.63E 0 3.5,3.5b ¶610448639
BEO II 05 00 13 32.3–.70 40.47N 19.55E 10–3 3.3L,3.5b
TIR II 05 00 13 32.2 40.58N 19.77E 3–0 3.6,3.5L
NEIC II 05 00 13 34.0–2.1 40.65N–.05 19.67E–.06 12–5 4.0b,3.5L
PDG II 05 00 13 33.3–.54 40.64N 19.60E 10–1 3.5L,3.5L
THE II 05 00 13 33.7 40.61N 19.70E 0–1 3.4L,3.5L
PRU II 05 00 13 34.7–.00 40.67N 19.65E 0 4.0,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=19.6km s-min=15.4km az=35.0.
BEO Event type ke.
NEIC Event type se. Error ellipse: s-maj=7.5km s-min=6.2km az=144.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=0.8km az=0.0.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.7km az=302.0.
ISC II 06 17 25 04.5–1.0 41.13N–.03 20.10E–.03 12–8 69 0-4
TIR II 06 17 25 03.5 41.09N 20.08E 11–1 2.5,2.4L ¶610914581
BEO II 06 17 25 04.9–.60 41.05N 20.04E 0 2.1L,2.4L
SKO II 06 17 25 05.5 41.16N 20.07E 8 2.2L,2.4L
PDG II 06 17 25 05.1–.16 41.17N 20.13E 6–0 2.6L,2.4L
ISC Event type ke.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=0.5km az=90.0.
ISC II 06 22 03 48.0–1.1 40.60N–.04 19.75E–.04 13–8 22 0-4
TIR II 06 22 03 47.2 40.59N 19.76E 8–0 2.8,2.3L ¶610914710
ISC Event type ke.
ISC II 12 15 10 07.0–1.2 40.76N–.02 19.69E–.02 6–10 154 0-9
BEO II 12 15 10 04.0–1.1 40.49N 19.52E 13–4 2.9L ¶610448659
ATH II 12 15 10 07.4 40.86N 19.73E 8–3 3.3L
TIR II 12 15 10 08.4 40.75N 19.83E 15–0 3.2,3.2L
PDG II 12 15 10 08.4–.62 40.84N 19.73E 11–1 3.2L,3.2L
THE II 12 15 10 09.1 40.75N 19.83E 8–1 3.0L,3.2L
ISC Event type ke.
BEO Event type ke.
ATH Event type ke. Error ellipse: s-maj=4.2km s-min=2.1km az=226.0.
PDG Event type ke. Error ellipse: s-maj=0.9km s-min=1.4km az=0.0.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.8km az=279.0.
ISC II 22 14 44 18.3–1.1 40.44N–.04 19.72E–.04 8–9 22 0-2
TIR II 22 14 44 17.9 40.41N 19.71E 6–1 3.1L ¶610448685
THE II 22 14 44 18.2 40.48N 19.73E 5–9 2.1L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=9.6km s-min=0.7km az=287.0.
ISC III 02 03 42 06.7–1.0 41.89N–.02 20.14E–.02 7–9 207 0-9
TIR III 02 03 42 05.4 42.19N 19.58E 21–1 3.7,3.6L ¶610243166
PDG III 02 03 42 06.7–.33 41.91N 20.14E 12–0 3.6,3.5L
PRU III 02 03 42 06.5–.00 41.64N 20.15E 10 3.6,3.5L
BEO III 02 03 42 07.7–.20 41.92N 20.15E 0 3.2L,3.5L
RHSSO III 02 03 42 07.5–.55 41.92N 20.15E 4–2 3.7L,3.5L
SKO III 02 03 42 07.6 41.93N 20.14E 14 3.7L,3.5L
THE III 02 03 42 07.0 42.06N 20.18E 6–16 3.2L,3.5L
ISC Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.4km s-min=0.5km az=0.0.
BEO Event type ke.
THE Event type ke. Error ellipse: s-maj=20.8km s-min=3.1km az=317.0.
ISC III 09 04 25 35.8–1.2 40.15N–.03 19.78E–.03 3–12 29 0-2
TIR III 09 04 25 34.7 40.09N 19.77E 0–1 2.7,2.0L ¶612185405
ATH III 09 04 25 35.5 40.21N 19.77E 6–4 1.8L,2.0L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=4.5km s-min=1.3km az=205.0.
TIR III 10 04 12 28.5 41.48N 19.51E 25–2 2.4,1.6L
¶616602518
ISC III 13 19 56 31.9–1.1 41.76N–.02 20.90E–.03 4–10 37 0-2
TIR III 13 19 56 30.9 41.79N 20.88E 10–3 2.8,2.3L ¶612185408
SKO III 13 19 56 32.4 41.74N 20.95E 19 2.2L,2.3L
BEO III 13 19 56 33.7–.30 41.79N 20.93E 0 1.8L,2.3L
ISC Event type ke.
BEO Event type ke.
ISC III 28 15 24 33.2–.97 41.19N–.02 20.92E–.02 5–8 132 0-7
SKO III 28 15 24 32.2 41.14N 20.84E 18 2.5L ¶610680767
BEO III 28 15 24 32.2–.60 41.05N 20.98E 2–2 2.7L
PDG III 28 15 24 33.6–.44 41.21N 20.95E 6–1 2.9L
THE III 28 15 24 33.2 41.19N 20.89E 2–2 2.9L
ATH III 28 15 24 36.1 41.23N 21.15E 10–31 2.8L
ISC Event type ke.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.7km s-min=0.9km az=0.0.
THE Event type ke. Error ellipse: s-maj=3.0km s-min=0.8km az=226.0.
ATH Event type ke. Error ellipse: s-maj=31.6km s-min=2.6km az=0.0.
ISC IV 07 11 41 01.9–.96 41.58N–.03 20.39E–.03 15–7 29 0-2
SKO IV 07 11 41 00.8 41.63N 20.40E 29 1.5L ¶612185433
TIR IV 07 11 41 01.3 41.57N 20.43E 16–0 3.1,2.0L
BEO IV 07 11 41 03.8–.30 41.59N 20.43E 6–4 1.6L,2.0L
ISC Event type ke.
BEO Event type ke.
ISC IV 08 13 53 03.1–.55 41.80N–.01 20.05E–.02 26–3 4.9b,4.4s 1578 0-160
NAO IV 08 13 52 37.0 40.31N 25.46E 33 4.5b,4.4s ¶610660970
BJI IV 08 13 52 57.0–.00 41.54N 19.63E 18 4.9b,4.9b
GII IV 08 13 52 58.7–.00 41.80N 19.97E 1–0 4.9b,4.9b
BGR IV 08 13 52 59.8–.39 41.28N 20.03E 20 5.5L,4.9b
MOS IV 08 13 53 01.9–1.1 41.78N 19.95E 25 5.0b,4.1s
PDG IV 08 13 53 02.4–.26 41.80N 20.06E 20–0 5.1,5.0L
RHSSO IV 08 13 53 02.0–.51 41.76N 20.12E 4–2 5.1L,5.0L
TIR IV 08 13 53 02.9 41.81N 20.09E 25–1 5.1L,4.5
THE IV 08 13 53 02.1 41.88N 20.01E 4–0 4.7L,4.5
MED_R IV 08 13 53 02.0–.40 41.85N 20.08E 28–0 4.9W,4.5
HLW IV 08 13 53 02.3 41.88N 21.36E 14–28 5.6,5.3L
LDG IV 08 13 53 02.2–.16 41.78N 20.06E 18 4.8L,5.3L
NEIC IV 08 13 53 03.3 41.82N 19.94E 24 4.8L,5.3L
SKO IV 08 13 53 03.4 41.79N 20.04E 18 4.9L,5.3L
GCMT IV 08 13 53 03.9–.20 41.81N–.02 20.07E–.02 31–0 5.0W,5.3L
NEIC IV 08 13 53 03.9–1.9 41.82N–.04 19.95E–.07 28–4 5.0b,4.8
MCSM IV 08 13 53 03.7–.40 42N–3.0 20E–5.0 18–4 5.1b,4.8
NEIC IV 08 13 53 03.3 41.72N 20.08E 24 5.1b,4.8
BEO IV 08 13 53 03.6–.30 41.82N 20.09E 12–2 4.8L,4.8
ROM IV 08 13 53 04.0 41.75N 19.94E 20 5.1b,5.0
IDC IV 08 13 53 05.6–1.0 41.81N 20.05E 49–10 4.6,4.4b
BGS IV 08 13 53 05.5–1.8 41.80N 19.61E 27 5.0b,4.4b
NEIC IV 08 13 53 05 41.82N 19.96E 36 5.0b,4.4b
PRU IV 08 13 53 15.4–.00 42.58N 19.62E 0 5.0,4.4b
ISC Event type ke. Moment Tensor Solution. NP1:ϕ_s194.99918°,δ74.80571°,λ-104.15147°. NP2: ϕ_s58.89010°,δ20.64933°,λ-48.00605°. Principal axes: T Plg28.4474°,Azm296.3385° ; N Plg13.6470°,Azm198.7800°; P Plg57.8877°,Azm86.0206°
GII Event type ke.
BGR Event type ke. Error ellipse: s-maj=23.3km s-min=8.9km az=53.0.
MOS Error ellipse: s-maj=2.9km s-min=2.1km az=99.4.
PDG Event type ke. Error ellipse: s-maj=0.3km s-min=0.7km az=0.0.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.7km az=155.0.
MED_R Error ellipse: s-maj=3.3km s-min=2.2km az=-1.0. nsta1 refers to body waves. nsta2 refers to surface waves, cutoff=35s. Moment Tensor Solution. Mantle waves: s15,c22;Duration: 1s_2 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.02±.23 $M_{\theta\theta}$-0.06±.12; $M_{\phi\phi}$3.08±.14; $M_{r\theta}$-0.37±.19; $M_{\theta\phi}$0.81±.11; $M_{\phi r}$0.03±.16; Best double couple: NP1:ϕ_s21.00000°,δ46.00000°,λ-80.00000°. NP2:ϕ_s186.00000°,δ45.00000°,λ-100.00000°. Principal axes: T 3.2800,Plg0.0000° ,Azm104.0000°; N -0.2000,Plg7.0000°,Azm194.0000°; P -3.0700,Plg83.0000°,Azm10.0000° $M_0$3.17000×10^{16}
LDG Event type ke. Error ellipse: s-maj=4.4km s-min=2.8km az=8.0.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s51,c60; s99,c139;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-4.11±.21 $M_{\theta\theta}$-0.47±.14; $M_{\phi\phi}$4.58±.14; $M_{r\theta}$-0.49±.19; $M_{\theta\phi}$1.35±.08; $M_{\phi r}$0.05±.15; Best double couple: NP1:ϕ_s22.00000°,δ46.00000°,λ-78.00000°. NP2:ϕ_s186.00000°,δ45.00000°,λ-102.00000°. Principal axes: T 4.9190,Plg0.0000° ,Azm104.0000°; N -0.7400,Plg8.0000°,Azm194.0000°; P -4.1820,Plg82.0000°,Azm11.0000° $M_0$4.55000×10^{16}
NEIC Event type se. Error ellipse: s-maj=7.2km s-min=5.5km az=82.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-1.28 $M_{\theta\theta}$-0.14 $M_{\phi\phi}$1.42 $M_{r\theta}$-0.71 $M_{\theta\phi}$0.69 $M_{\phi r}$-0.22 NP1:ϕ_s43.81000°,δ58.50000°,λ-60.60000°. NP2:ϕ_s176.64000°,δ42.03000° ,λ-128.70000°. Principal axes: T 1.7501,Plg9.0000°,Azm113.0000°; N -0.1313,Plg25.0000° ,Azm207.0000°; P -1.6189,Plg63.0000°,Azm5.0000° $M_0$1.69000×10^{16}
NEIC Event type se. Moment Tensor Solution.Duration: 1s_4 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.14 $M_{\theta\theta}$0.03 $M_{\phi\phi}$2.11 $M_{r\theta}$-0.29 $M_{\theta\phi}$1.00 $M_{\phi r}$-0.29 NP1:ϕ_s26.88000°,δ49.78000° ,λ-83.37000°. NP2:ϕ_s196.67000°,δ40.67000°,λ-97.78000°. Principal axes: T 2.5396,Plg5.0000°,Azm112.0000°; N -0.3571,Plg5.0000°,Azm203.0000° ; P -2.1825,Plg83.0000°,Azm340.0000° $M_0$2.36000×10^{16}
BEO Event type ke.
ROM Event type se. Error ellipse: s-maj=1.6km s-min=1.0km az=222.0. automatic. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=141. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.

IDC Error ellipse: s-maj=8.6km s-min=7.6km az=142.0.
BGS Error ellipse: s-maj=211.2km s-min=137.1km az=-1.0.
NEIC Event type se.
ISC IV 08 14 18 11.2–1.0 41.83N–.02 20.04E–.03 15–9 33 0-3
TIR IV 08 14 18 10.6 41.83N 20.04E 12–1 2.6,1.6L **¶611918181**
SKO IV 08 14 18 11.9 41.90N 20.06E 0 2.0L,1.6L
BEO IV 08 14 18 13.2–.30 41.82N 20.08E 0 1.7L,1.6L
ISC Event type ke.
BEO Event type ke.
ISC IV 08 16 21 47.2–1.1 41.80N–.02 20.07E–.03 10–9 33 0-2
TIR IV 08 16 21 46.4 41.78N 20.08E 24–20 2.5,1.9L **¶612185441**
BEO IV 08 16 21 47.4–.30 41.82N 20.13E 0 1.7L,1.9L
SKO IV 08 16 21 48.5 41.78N 19.99E 12 1.8L,1.9L
ISC Event type ke.
BEO Event type ke.
ISC IV 08 22 17 32.5–.99 41.78N–.02 20.00E–.02 15–8 83 0-6
TIR IV 08 22 17 32.1 41.81N 20.02E 8–1 2.8,2.1L **¶612185445**
BEO IV 08 22 17 33.4–.30 41.83N 20.08E 3–3 1.9L,2.1L
PDG IV 08 22 17 33.3–.17 41.82N 19.95E 5–0 2.4L,2.1L
SKO IV 08 22 17 33.7 41.80N 19.98E 10 2.1L,2.1L
ISC Event type ke.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.4km s-min=0.9km az=0.0.
ISC IV 09 10 05 56.1–1.0 41.71N–.01 19.83E–.02 6–9 191 0-7
TIR IV 09 10 05 55.3 41.71N 19.86E 15–3 3.0,3.0L **¶610972407**
RHSSO IV 09 10 05 55.4–.59 41.61N 19.87E 4–2 3.0L,3.0L
THE IV 09 10 05 55.3 41.78N 19.80E 2–1 2.8L,3.0L
ATH IV 09 10 05 56.2 41.87N 19.79E 18–13 2.7L,3.0L
SKO IV 09 10 05 57.1 41.71N 19.80E 8 2.7L,3.0L
PDG IV 09 10 05 57.1–.28 41.69N 19.82E 2–1 3.0,2.9L
BEO IV 09 10 05 57.0–.30 41.68N 19.86E 12–2 2.6L,2.9L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=2.1km s-min=1.1km az=138.0.
ATH Event type ke. Error ellipse: s-maj=14.4km s-min=2.9km az=334.0.
PDG Event type ke. Error ellipse: s-maj=0.8km s-min=0.8km az=0.0.
BEO Event type ke.
ISC IV 11 03 50 55.3–1.0 40.91N–.01 19.78E–.02 10–9 241 0-9
ATH IV 11 03 50 55.4 41.02N 19.70E 14–4 3.1L **¶610972412**
THE IV 11 03 50 55.6 40.92N 19.84E 0–1 3.0L
PDG IV 11 03 50 55.3–.53 40.96N 19.77E 17–1 3.1L
TIR IV 11 03 50 55.4 40.89N 19.85E 17–0 3.3L,3.2
BEO IV 11 03 50 56.6–.60 40.93N 19.79E 18–2 2.8L,3.2
SKO IV 11 03 50 56.4 40.93N 19.79E 27 2.8L,3.2
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=5.5km s-min=1.6km az=340.0.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.3km az=281.0.
PDG Event type ke. Error ellipse: s-maj=0.7km s-min=1.0km az=0.0.
BEO Event type ke.
ISC IV 14 20 22 04.8–1.0 41.91N–.02 20.19E–.02 9–9 105 0-4
TIR IV 14 20 22 04.0 41.91N 20.24E 24–13 2.6,2.2L **¶612185454**
RHSSO IV 14 20 22 04.1–.73 41.90N 20.27E 4–2 2.2L,2.2L
SKO IV 14 20 22 04.9 41.94N 20.18E 7 2.0L,2.2L
PDG IV 14 20 22 04.9–.17 41.90N 20.12E 13–0 2.3L,2.2L
BEO IV 14 20 22 05.2–.30 41.93N 20.21E 7–4 1.8L,2.2L
ISC Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.3km s-min=0.5km az=0.0.
BEO Event type ke.
ISC IV 15 01 17 51.7–.73 40.60N–.02 19.58E–.02 21–1 3.6b 267 0-45
BEO IV 15 01 17 49.7–.70 40.43N 19.51E 13–3 3.3L **¶610528318**
SKO IV 15 01 17 49.9 40.50N 19.51E 7 3.3L
PDG IV 15 01 17 51.6–.58 40.61N 19.56E 13–1 3.2L
TIR IV 15 01 17 51.6 40.62N 19.76E 3–0 3.2
IDC IV 15 01 17 51.5–9.5 41.06N 20.11E 0 3.7L,3.5b
THE IV 15 01 17 52.7 40.63N 19.67E 0–1 3.2L,3.5b
ISC Event type ke.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=1.5km az=0.0.
IDC Error ellipse: s-maj=179.3km s-min=28.2km az=31.0.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.6km az=302.0.
ISC IV 17 11 28 43.2–1.0 41.93N–.02 19.57E–.02 9–9 72 0-2
TIR IV 17 11 28 41.1 41.92N 19.45E 9–0 2.5 **¶612185455**
RHSSO IV 17 11 28 42.9–.84 41.85N 19.60E 5–2 2.2L
PDG IV 17 11 28 42.6–.12 41.90N 19.58E 11–0 2.2L
BEO IV 17 11 28 44.6–.40 41.93N 19.56E 0 1.8L
ISC Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.2km s-min=0.3km az=0.0.
BEO Event type ke.
IDC IV 17 18 30 19.4–2.5 41.97N 19.85E 0 3.3b,3.2
¶610652939
IDC Error ellipse: s-maj=65.9km s-min=28.1km az=157.0.
TIR IV 19 16 05 32.6 40.65N 19.65E 4–0 2.4,2.1L
¶617153881
ISC IV 22 12 15 09.9–.92 41.06N–.02 20.54E–.03 15–8 42 0-2
SKO IV 22 12 15 08.9 41.23N 20.56E 15 2.1L **¶610972426**
TIR IV 22 12 15 08.9 41.06N 20.52E 6–1 2.6,2.2L
THE IV 22 12 15 09.8 41.05N 20.53E 13–2 2.0L,2.2L
ATH IV 22 12 15 13.0 40.98N 20.75E 10–5 1.9L,2.2L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=2.5km s-min=0.5km az=67.0.
ATH Event type ke. Error ellipse: s-maj=7.3km s-min=2.1km az=139.0.
ISC IV 22 19 43 07.5–.87 41.05N–.01 20.52E–.02 13–7 174 0-6
PDG IV 22 19 43 05.7–.13 40.98N 20.49E 6–0 2.8L **¶616566871**
TIR IV 22 19 43 05.6 41.04N 20.53E 4–2 2.7,2.6L
SKO IV 22 19 43 05.7 41.02N 20.50E 17 2.9L,2.6L
THE IV 22 19 43 06.9 41.06N 20.56E 4–1 2.4L,2.6L
ATH IV 22 19 43 07.5 41.14N 20.59E 8–3 2.6L,2.6L
BEO IV 22 19 43 07.2–.40 40.97N 20.57E 8–2 2.7L,2.6L
ISC Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=0.5km az=90.0.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.8km az=47.0.
ATH Event type ke. Error ellipse: s-maj=4.4km s-min=1.5km az=150.0.
BEO Event type ke.
ISC IV 23 12 09 37.5–.91 41.04N–.02 20.51E–.02 11–7 87 0-3
TIR IV 23 12 09 35.8 41.05N 20.55E 3–3 2.3,2.2L **¶610972429**
SKO IV 23 12 09 36.9 41.06N 20.49E 15 2.3L,2.2L
THE IV 23 12 09 37.1 41.05N 20.50E 9–1 2.2L,2.2L
PDG IV 23 12 09 37.2–.32 41.05N 20.48E 1–1 2.5L,2.2L
ATH IV 23 12 09 38.2 41.08N 20.60E 7–2 2.0L,2.2L
BEO IV 23 12 09 38.1–.50 41.00N 20.52E 4–2 2.0L,2.2L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.5km az=249.0.
PDG Event type ke. Error ellipse: s-maj=0.8km s-min=1.4km az=0.0.
ATH Event type ke. Error ellipse: s-maj=4.1km s-min=1.9km az=178.0.
BEO Event type ke.
ISC IV 30 11 32 54.9–.85 41.92N–.02 19.26E–.02 14–5 130 0-5
RHSSO IV 30 11 32 54.9–.61 41.93N 19.31E 7–1 2.7L **¶612185465**
PDG IV 30 11 32 54.7–.18 41.96N 19.25E 15–0 2.6,2.5L
TIR IV 30 11 32 55.0 41.92N 19.39E 7–1 2.8,2.6L
BEO IV 30 11 32 55.4–.30 41.93N 19.18E 3–2 2.4L,2.6L
ISC Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.4km s-min=0.5km az=0.0.
BEO Event type ke.
ISC V 08 11 55 06.3–1.0 41.04N–.02 20.51E–.02 16–9 81 0-6
PDG V 08 11 55 04.6–.16 41.00N 20.52E 6–0 2.8L **¶611016015**
BEO V 08 11 55 05.6–.70 41.00N 20.63E 0 2.5L
SKO V 08 11 55 05.9 41.03N 20.50E 15 2.7L
ATH V 08 11 55 06.3 41.14N 20.63E 26–5 2.4L
THE V 08 11 55 06.0 41.05N 20.53E 17–1 2.3L
ISC Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.8km s-min=0.6km az=90.0.
BEO Event type ke.
ATH Event type ke. Error ellipse: s-maj=10.1km s-min=2.3km az=151.0. ML Amplitudes are expressed in micrometers.
THE Event type ke. Error ellipse: s-maj=2.0km s-min=0.6km az=242.0.
ISC V 08 11 58 46.2–1.3 41.01N–.04 20.50E–.03 15–12 23 0-2
SKO V 08 11 58 45.8 41.02N 20.48E 19 2.0L **¶612185478**
TIR V 08 11 58 46.3 41.07N 20.60E 7–14 2.8L,2.5
ISC Event type ke.
ISC V 08 15 19 05.6–.91 41.03N–.01 20.52E–.02 11–7 167 0-6
PDG V 08 15 19 02.7–.23 40.95N 20.50E 3–0 2.8L **¶611016020**
TIR V 08 15 19 03.6 41.06N 20.58E 2–1 3.0L,3.0
SKO V 08 15 19 03.3 40.95N 20.42E 19 2.8L,3.0
ATH V 08 15 19 05.8 41.03N 20.64E 27–1 2.8L,3.0
THE V 08 15 19 05.1 41.06N 20.57E 0–2 2.7L,3.0
BEO V 08 15 19 06.6–.50 41.09N 20.53E 7–2 2.6L,3.0
ISC Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.9km s-min=1.0km az=0.0.
ATH Event type ke. Error ellipse: s-maj=2.1km s-min=1.0km az=142.0. ML Amplitudes are expressed in micrometers.
THE Event type ke. Error ellipse: s-maj=2.6km s-min=1.0km az=11.0.
BEO Event type ke.
ISC V 08 19 46 43.9–.97 41.04N–.02 20.54E–.02 15–9 121 0-5
TIR V 08 19 46 41.8 41.04N 20.52E 3–0 2.6,2.5L **¶611016025**
SKO V 08 19 46 41.9 40.98N 20.45E 20 2.5L,2.5L
ATH V 08 19 46 42.0 41.11N 20.53E 17–2 2.2L,2.5L
PDG V 08 19 46 42.1–.54 41.00N 20.53E 2–1 2.7L,2.5L
BEO V 08 19 46 43.9–.60 41.06N 20.53E 12–2 2.3L,2.5L
THE V 08 19 46 43.3 41.06N 20.59E 0–2 2.3L,2.5L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.7km s-min=1.4km az=149.0. ML Amplitudes are expressed in micrometers.
PDG Event type ke. Error ellipse: s-maj=2.2km s-min=1.5km az=90.0.
BEO Event type ke.
THE Event type ke. Error ellipse: s-maj=2.5km s-min=0.9km az=3.0.
ISC V 09 12 52 21.0–.86 41.07N–.01 20.52E–.02 14–7 209 0-8
TIR V 09 12 52 18.9 41.05N 20.55E 0–1 3.6L,3.3 **¶610619067**
SKO V 09 12 52 19.0 40.97N 20.43E 22 3.4L,3.3
ROM V 09 12 52 18.5–.50 41.13N–.02 20.65E–.05 10 3.6L,3.3
THE V 09 12 52 20.4 41.10N 20.57E 0–1 3.4L,3.3
PDG V 09 12 52 20.7–.05 41.06N 20.56E 8–0 3.5L,3.3
BEO V 09 12 52 21.9–.30 41.12N 20.57E 6–2 3.2L,3.3
ISC Event type ke.
ROM Event type se. Error ellipse: s-maj=4.5km s-min=1.6km az=242.0. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.6km az=319.0.
PDG Event type ke. Error ellipse: s-maj=0.2km s-min=0.1km az=90.0.
BEO Event type ke.
ISC V 09 12 58 22.4–1.0 41.02N–.02 20.48E–.02 7–9 50 0-2
TIR V 09 12 58 20.9 41.04N 20.52E 6–1 2.8,2.6L **¶611016034**
THE V 09 12 58 22.2 41.05N 20.53E 0–2 2.2L,2.6L
SKO V 09 12 58 22.3 41.07N 20.47E 19 2.4L,2.6L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=2.7km s-min=0.9km az=320.0.
ISC V 12 02 03 14.3–1.0 40.07N–.02 19.85E–.02 7–9 74 0-5
TIR V 12 02 03 11.3 39.92N 19.78E 29–0 3.1,2.8L **¶611016087**
ATH V 12 02 03 13.2 40.11N 19.79E 19–1 2.5L,2.8L
THE V 12 02 03 14.6 40.11N 19.91E 1–3 2.5L,2.8L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.9km s-min=1.4km az=178.0. ML Amplitudes are expressed in micrometers.
THE Event type ke. Error ellipse: s-maj=3.2km s-min=0.8km az=276.0.
ISC V 13 12 36 24.4–.85 41.75N–.02 20.20E–.02 14–6 152 0-6
RHSSO V 13 12 36 23.1–.69 41.70N 20.31E 8–4 3.0L **¶611016128**
TIR V 13 12 36 23.3 41.74N 20.20E 20–2 3.0L,3.0
SKO V 13 12 36 23.3 41.76N 20.18E 20 2.7L,3.0
THE V 13 12 36 24.7 41.75N 20.18E 8–0 2.6L,3.0
PDG V 13 12 36 24.2–.49 41.74N 20.17E 10–0 3.1,3.0L
BEO V 13 12 36 25.0–.20 41.75N 20.26E 12–2 2.6L,3.0L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=2.5km s-min=0.8km az=354.0.
PDG Event type ke. Error ellipse: s-maj=0.7km s-min=0.9km az=0.0.
BEO Event type ke.
RHSSO V 15 20 09 39.9–.65 41.98N 19.28E 5–1 2.5L
BEO V 15 20 09 38.7–.40 41.99N 19.28E 25–3 2.2L **¶615317805**
PDG V 15 20 09 39.3–.18 42.00N 19.28E 11–0 2.3L
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.3km s-min=0.4km az=0.0.
ISC V 16 06 29 16.5–1.1 40.63N–.01 19.79E–.02 8–9 215 0-9
SKO V 16 06 29 15.0 40.47N 19.65E 0 3.3L **¶610641350**
TIR V 16 06 29 16.6 40.63N 19.85E 16–1 3.6L,3.6
THE V 16 06 29 17.6 40.65N 19.90E 0–1 3.3L,3.6
ATH V 16 06 29 17.3 40.62N 19.82E 18–1 3.4L,3.6
PDG V 16 06 29 18.1–.51 40.68N 19.77E 11–1 3.5L,3.6
BEO V 16 06 29 21.0–.60 40.72N 19.95E 21–2 3.2L,3.6
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.6km az=295.0.
ATH Event type ke. Error ellipse: s-maj=3.2km s-min=1.2km az=337.0. ML Amplitudes are expressed in micrometers.
PDG Event type ke. Error ellipse: s-maj=0.5km s-min=1.3km az=0.0.
BEO Event type ke.
ISC V 17 04 07 58.4–.83 41.97N–.02 19.27E–.02 14–5 92 0-3
TIR V 17 04 07 56.0 41.94N 19.17E 40–12 3.1,2.4L **¶612185484**
RHSSO V 17 04 07 57.9–.78 41.90N 19.27E 3–2 2.4L,2.4L
PDG V 17 04 07 58.3–.08 41.97N 19.27E 13–0 2.5,2.3L
BEO V 17 04 07 59.2–.30 41.98N 19.26E 6–2 2.1L,2.3L
ISC Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.1km s-min=0.3km az=0.0.
BEO Event type ke.
ISC V 17 04 14 43.6–1.0 41.95N–.03 19.22E–.02 9–8 70 0-5
TIR V 17 04 14 42.0 41.95N 19.28E 2–1 2.6,2.2L **¶612185485**
RHSSO V 17 04 14 43.3–.70 41.92N 19.27E 5–1 2.4L,2.2L
BEO V 17 04 14 44.5–.40 42.00N 19.24E 8–2 2.1L,2.2L
ISC Event type ke.
BEO Event type ke.
ISC V 17 08 47 57.3–.91 40.11N–.02 19.82E–.02 16–6 3.6b,3.4s 188 0-84
PDG V 17 08 47 55.3–.41 40.09N 19.57E 2–0 3.7L,3.4s **¶610641733**
IDC V 17 08 47 55.2–1.1 40.26N 20.01E 0 3.6,3.6b
ATH V 17 08 47 56.7 40.10N 19.76E 20–1 3.5L,3.6b
BEO V 17 08 47 57.7–.60 40.06N 19.71E 15–4 3.5L,3.6b
THE V 17 08 47 58.2 40.09N 19.89E 0–1 3.6L,3.6b
ISC Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.4km s-min=0.9km az=0.0.
IDC Error ellipse: s-maj=19.4km s-min=18.4km az=54.0.
ATH Event type ke. Error ellipse: s-maj=2.6km s-min=1.2km az=138.0. ML Amplitudes are expressed in micrometers.
BEO Event type ke.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.6km az=336.0.
ISC V 17 21 25 44.7–1.1 41.26N–.02 19.49E–.02 7–10 143 0-6
BEO V 17 21 25 43.6–.80 41.15N 19.41E 9–2 2.6L **¶611016217**
ATH V 17 21 25 44.3 41.21N 19.40E 26–8 2.7L
TIR V 17 21 25 44.8 41.26N 19.52E 4 3.0
PDG V 17 21 25 46.5–.40 41.33N 19.53E 11–1 2.7L
THE V 17 21 25 46.5 41.31N 19.58E 13–1 2.7L
SKO V 17 21 25 47.1 41.27N 19.49E 0 2.7L
ISC Event type ke.
BEO Event type ke.
ATH Event type ke. Error ellipse: s-maj=9.6km s-min=2.3km az=357.0. ML Amplitudes are expressed in micrometers.
PDG Event type ke. Error ellipse: s-maj=1.7km s-min=1.8km az=0.0.
THE Event type ke. Error ellipse: s-maj=3.1km s-min=0.8km az=309.0.
ISC V 18 16 08 47.4–1.1 40.64N–.02 19.86E–.03 7–10 35 0-2

TIR V 18 16 08 46.7 40.63N 19.86E 6–2 3.0,2.7L ¶616639951
THE V 18 16 08 47.9 40.67N 19.89E 2–42 2.5L,2.7L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=42.1km s-min=0.9km az=0.0.
ISC V 21 12 49 12.0–.82 41.97N–.02 19.25E–.02 13–5 145 0-7
TIR V 21 12 49 09.6 41.93N 19.22E 6–3 2.9L,2.8 ¶612185488
RHSSO V 21 12 49 10.5–.61 41.89N 19.33E 2–1 3.0L,2.8
PDG V 21 12 49 11.8–.10 41.99N 19.26E 13–0 2.9,2.8L
BEO V 21 12 49 13.2–.60 42.02N 19.21E 14–1 2.5L,2.8L
ISC Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.3km s-min=0.5km az=0.0.
BEO Event type ke.
ISC V 21 21 51 48.2–.85 41.96N–.02 19.25E–.02 13–5 85 0-3
BEO V 21 21 51 47.6–.60 41.93N 19.09E 5–2 2.1L ¶612185489
RHSSO V 21 21 51 48.3–.73 41.92N 19.32E 4–2 2.2L
PDG V 21 21 51 48.3–.14 41.95N 19.24E 15–0 2.3,2.2L
TIR V 21 21 51 48.5 41.95N 19.38E 6–2 2.7,2.0L
ISC Event type ke.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.2km s-min=0.4km az=0.0.
ISC V 24 10 16 24.1–.91 41.58N–.02 20.21E–.02 11–7 128 0-6
THE V 24 10 16 23.8 41.67N 20.13E 0–9 2.5L ¶611016411
BEO V 24 10 16 23.8–.30 41.63N 20.35E 0 2.5L
PDG V 24 10 16 23.8–.25 41.58N 20.18E 6–0 2.8L
ATH V 24 10 16 23.2 41.59N 20.23E 5–2 2.5L
SKO V 24 10 16 24.3 41.56N 20.20E 12 2.7L
RHSSO V 24 10 16 24.6–.62 41.55N 20.17E 9–3 2.8L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=15.7km s-min=0.9km az=329.0.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.5km s-min=0.6km az=0.0.
ATH Event type ke. Manual Solution by D.Makaris First location: 2019/10/19 13:12:39, ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 2 km; Longitude uncertainty: 2 km.
ISC V 24 10 30 58.6–.65 41.55N–.01 20.20E–.01 17–4 4.6b,3.6s 845 0-123
MOS V 24 10 30 56.7–1.1 41.53N 20.18E 13 4.7b,3.6s ¶610650947
MED_R V 24 10 30 57.0–.50 41.47N 20.13E 20–1 4.5W,3.6s
LDG V 24 10 30 57.2–.10 41.50N 20.23E 10 4.5L,3.6s
PRU V 24 10 30 57.6 41.27N 20.26E 10 4.5,3.6s
TIR V 24 10 30 57.2 41.56N 20.22E 25–1 4.5L,4.4
PDG V 24 10 30 57.8–.54 41.56N 20.19E 14–0 4.4,4.3L
NEIC V 24 10 30 58.1–1.5 41.57N–.03 20.19E–.03 10–1 4.5b,4.2L
BEO V 24 10 30 58.4–.30 41.54N 20.29E 8–3 4.1L,4.2L
RHSSO V 24 10 30 58.1–.53 41.50N 20.23E 6–3 4.5L,4.2L
SKO V 24 10 30 58.7 41.53N 20.22E 14 4.4L,4.2L
THE V 24 10 30 59.0 41.53N 20.27E 0–2 4.2L,4.2L
ROM V 24 10 30 59.3 41.42N 20.16E 9 4.3L,4.2L
IDC V 24 10 31 02.6–1.4 41.65N 20.22E 48–12 4.4,4.2b
ISC Event type ke.
MOS Error ellipse: s-maj=3.5km s-min=2.4km az=99.4.
MED_R Error ellipse: s-maj=3.3km s-min=5.6km az=-1.0. nsta1 refers to body waves. nsta2 refers to surface waves, cutoff=35s. Moment Tensor Solution. Mantle waves: s8,c12;Duration: 1§0 Moment tensor: Scale 10^{15}Nm; M_{rr}-4.80±.83 $M_{\theta\theta}$-0.30±.49; $M_{\phi\phi}$5.10±.49; $M_{r\theta}$-3.66±.80; $M_{r\phi}$2.09±.34; $M_{\theta\phi}$2.58±.57; Best double couple: NP1:ϕ_s168.00000°,δ61.00000°,λ-127.00000°. NP2:ϕ_s45.00000°,δ46.00000°,λ-43.00000°. Principal axes: T 6.0100,Plg9.0000° ,Azm283.0000°; N 1.6800,Plg32.0000°,Azm188.0000°; P -7.6900,Plg57.0000°,Azm27.0000° $M_0$6.85000×10^{15}
LDG Event type ke. Error ellipse: s-maj=2.4km s-min=2.0km az=177.0.
PDG Event type ke. Error ellipse: s-maj=0.3km s-min=0.4km az=0.0.
NEIC Event type se. Error ellipse: s-maj=5.7km s-min=3.1km az=205.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BEO Event type ke.
THE Event type ke. Error ellipse: s-maj=2.1km s-min=0.5km az=343.0.
ROM Event type se. Error ellipse: s-maj=2.1km s-min=1.0km az=39.0. automatic. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=3. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=9.
IDC Error ellipse: s-maj=11.7km s-min=9.5km az=175.0.
ISC V 24 10 36 14.4–1.0 41.57N–.02 20.22E–.02 6–9 86 0-4
PDG V 24 10 36 13.3–.25 41.57N 20.25E 4–0 2.8L ¶611016413
RHSSO V 24 10 36 14.8–.71 41.58N 20.24E 5–3 2.9L
SKO V 24 10 36 14.0 41.55N 20.20E 11 2.6L
THE V 24 10 36 14.5 41.60N 20.17E 3–3 2.6L
ISC Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.5km s-min=0.6km az=0.0.
THE Event type ke. Error ellipse: s-maj=3.3km s-min=0.9km az=343.0.
ISC V 24 12 35 20.1–.83 41.58N–.01 20.23E–.02 12–6 157 0-6
TIR V 24 12 35 19.2 41.61N 20.16E 6–1 3.1L,2.7 ¶610666935
PDG V 24 12 35 19.8–.56 41.59N 20.26E 10–1 3.2,3.1L
THE V 24 12 35 20.7 41.57N 20.21E 0–1 2.7L,3.1L
SKO V 24 12 35 20.2 41.51N 20.22E 17 2.8L,3.1L
RHSSO V 24 12 35 20.4–.59 41.56N 20.19E 6–3 3.2L,3.1L
BEO V 24 12 35 20.0–.30 41.51N 20.28E 14–3 2.9L,3.1L
ISC Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.8km s-min=0.9km az=0.0.
THE Event type ke. Error ellipse: s-maj=2.0km s-min=0.6km az=327.0.
BEO Event type ke.
ISC V 28 21 49 09.3–.93 41.44N–.03 20.18E–.02 12–7 77 0-4
PDG V 28 21 49 07.7–.14 41.34N 20.06E 12–0 2.5L ¶616918735
TIR V 28 21 49 08.8 41.43N 20.22E 4–4 2.5
BEO V 28 21 49 09.2–.30 41.42N 20.22E 12–4 2.0L
SKO V 28 21 49 09.6 41.47N 20.19E 7 2.1L
ISC Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.7km s-min=0.6km az=90.0.
BEO Event type ke.
ISC VI 05 17 48 50.1–1.0 41.41N–.02 20.92E–.03 10–10 28 0-2
TIR VI 05 17 48 48.4 41.47N 20.96E 7–4 3.0,1.8L ¶612185562
BEO VI 05 17 48 50.9–.40 41.41N 20.97E 4–4 1.7L,1.8L
SKO VI 05 17 48 50.6 41.37N 21.04E 8 2.2L,1.8L
ISC Event type ke.
BEO Event type ke.
ISC VI 11 02 12 06.2–.79 41.96N–.02 19.26E–.02 14–5 179 0-7
RHSSO VI 11 02 12 04.9–.59 41.89N 19.33E 3–1 2.9L ¶611627803
PDG VI 11 02 12 05.2–.04 41.95N 19.21E 18–0 2.7,2.6L
TIR VI 11 02 12 05.4 41.98N 19.30E 28–3 3.5,2.8L
BEO VI 11 02 12 06.4–.30 41.97N 19.23E 8–2 2.6L,2.8L
ISC Event type ke.
PDG Event type ke.
BEO Event type ke.
ISC VI 17 19 20 03.9–.88 41.94N–.03 19.21E–.02 12–5 128 0-5
TIR VI 17 19 20 01.9 41.97N 19.23E 6–1 3.0,2.8L ¶612185575
PDG VI 17 19 20 03.1–.13 41.95N 19.22E 16–0 2.8,2.7L
RHSSO VI 17 19 20 03.1–.61 41.91N 19.30E 5–1 2.8L,2.7L
BEO VI 17 19 20 04.1–.70 41.95N 19.30E 4–2 2.5L,2.7L
ISC Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.2km s-min=0.4km az=0.0.
BEO Event type ke.
ISC VI 18 00 00 57.4–1.1 41.20N–.02 20.94E–.02 2–9 158 0-21
NAO VI 18 00 00 49.8 40.03N 20.52E 33 3.2b ¶610681490
TIR VI 18 00 00 56.0 41.19N 20.95E 1–2 3.6,3.4L
SKO VI 18 00 00 57.0 41.16N 20.91E 12 3.1L,3.4L
BEO VI 18 00 00 57.8–.40 41.14N 20.93E 6–2 3.4L,3.4L
THE VI 18 00 00 57.6 41.19N 20.93E 0–2 3.3L,3.4L
ISC Event type ke.
BEO Event type ke.
THE Event type ke. Error ellipse: s-maj=2.6km s-min=0.7km az=34.0.
ISC VI 18 06 00 01.6–.96 41.16N–.02 20.90E–.02 4–8 100 0-5
SKO VI 18 06 00 00.8 41.15N 20.90E 17 2.5L ¶611017409
TIR VI 18 06 00 00.4 41.18N 20.91E 8–1 3.1,2.8L
PDG VI 18 06 00 01.7–.25 41.16N 20.90E 3–0 2.7L,2.8L
BEO VI 18 06 00 01.9–.30 41.15N 20.87E 5–2 2.6L,2.8L
THE VI 18 06 00 01.4 41.17N 20.92E 0–2 2.7L,2.8L
ISC Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.4km s-min=0.5km az=0.0.
BEO Event type ke.
THE Event type ke. Error ellipse: s-maj=2.2km s-min=0.6km az=37.0.
ISC VI 18 06 36 50.3–.84 41.99N–.02 19.29E–.02 15–5 81 0-3
TIR VI 18 06 36 48.8 41.96N 19.23E 4–1 2.7,2.3L ¶612185576
PDG VI 18 06 36 49.5–.10 41.95N 19.23E 19–0 2.3,2.2L
BEO VI 18 06 36 51.6–.40 41.98N 19.34E 4–3 2.0L,2.2L
RHSSO VI 18 06 36 52.0–.79 42.01N 19.29E 6–2 2.2L,2.2L
ISC Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.2km s-min=0.4km az=0.0.
BEO Event type ke.
ISC VI 18 07 00 36.3–.88 41.91N–.03 19.25E–.02 15–5 98 0-4
RHSSO VI 18 07 00 35.2–.65 41.86N 19.33E 7–1 2.8L ¶611510163
TIR VI 18 07 00 35.3 41.97N 19.21E 17–2 2.8,2.7L
PDG VI 18 07 00 36.7–.14 41.97N 19.26E 15–0 2.5,2.4L
BEO VI 18 07 00 37.8–.40 41.97N 19.33E 5–2 2.5L,2.4L
ISC Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.2km s-min=0.4km az=0.0.
BEO Event type ke.
ISC VI 18 07 07 49.2–1.0 41.88N–.04 19.19E–.03 17–4 69 0-3
TIR VI 18 07 07 49.0 41.98N 19.28E 1–2 2.7,2.2L ¶612185577
PDG VI 18 07 07 50.2–.07 41.95N 19.22E 16–0 2.2,2.1L
BEO VI 18 07 07 50.2–.80 41.90N 19.34E 2–2 2.0L,2.1L
RHSSO VI 18 07 07 51.0–.83 41.95N 19.30E 6–2 2.2L,2.1L
ISC Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.2km s-min=0.3km az=0.0.
BEO Event type ke.
ISC VI 20 13 10 34.7–.92 41.18N–.01 20.91E–.01 5–6 4.2b,3.0s 341 0-122
TIR VI 20 13 10 33.0 41.18N 20.93E 1–2 4.2L,3.9 ¶610686583
IDC VI 20 13 10 33.3–1.0 41.07N 20.90E 0 3.8,3.7b
PDG VI 20 13 10 34.9–.64 41.21N 20.95E 2–1 4.1,4.0L
ATH VI 20 13 10 34.6 41.22N 20.95E 2–0 4.1L,4.0L
BEO VI 20 13 10 34.2–.50 41.08N 20.93E 5–2 3.8L,4.0L
SKO VI 20 13 10 34.2 41.18N 20.89E 11 3.6L,4.0L
THE VI 20 13 10 34.5 41.18N 20.93E 0–1 3.8L,4.0L
SOF VI 20 13 10 35.6 41.25N 21.02E 5 3.8,4.0L
NEIC VI 20 13 10 35.6–1.1 41.16N–.04 20.88E–.05 10–1 4.3b,3.9L
PRU VI 20 13 10 37.4 41.28N 21.09E 0 4.3,3.9L
ISC Event type ke.
IDC Error ellipse: s-maj=17.2km s-min=15.9km az=55.0.
PDG Event type ke. Error ellipse: s-maj=0.5km s-min=1.0km az=0.0.
ATH Event type ke. Manual Solution by S.Koutrakis ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
BEO Event type ke.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.5km az=312.0.
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=5.6km az=39.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 20 17 25 34.4–.84 41.15N–.03 20.84E–.03 14–5 33 0-3
TIR VI 20 17 25 33.5 41.21N 20.94E 7–3 2.7,2.2L ¶612185583
SKO VI 20 17 25 34.4 41.16N 20.91E 15 1.8L,2.2L
BEO VI 20 17 25 36.2–.40 41.18N 20.85E 0 1.7L,2.2L
ISC Event type ke.
BEO Event type ke.
BEO VI 20 17 33 04.8–.50 41.92N 20.15E 9–4 1.9L
SKO VI 20 17 33 05.0 41.94N 20.17E 6 2.2L ¶615319154
BEO Event type ke.
ISC VI 20 20 46 58.0–.91 41.17N–.02 20.90E–.02 5–7 64 0-3
TIR VI 20 20 46 56.4 41.17N 20.88E 6–2 2.6,2.2L ¶611017501
SKO VI 20 20 46 57.3 41.13N 20.90E 16 2.3L,2.2L
THE VI 20 20 46 57.8 41.19N 20.92E 1–2 2.1L,2.2L
BEO VI 20 20 46 58.0–.40 41.13N 20.90E 5–2 2.3L,2.2L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=2.3km s-min=0.6km az=250.0.
BEO Event type ke.
ISC VI 21 04 18 46.0–.97 41.17N–.02 20.90E–.02 4–8 57 0-2
SKO VI 21 04 18 45.9 41.15N 20.90E 9 1.8L ¶611017519
TIR VI 21 04 18 45.3 41.18N 20.89E 6–2 3.0,2.2L
THE VI 21 04 18 46.1 41.18N 20.93E 2–2 1.8L,2.2L
BEO VI 21 04 18 46.8–.30 41.16N 20.90E 0 1.8L,2.2L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=2.1km s-min=0.5km az=51.0.
BEO Event type ke.
SKO VI 21 09 20 29.9 41.38N 20.84E 0 0.8L
¶617481143
SKO VI 21 14 13 09.1 41.16N 20.89E 2 0.9L
¶615364170
SKO VI 21 19 50 54.3 41.13N 20.88E 5 1.3L
¶615364202
ISC VI 22 02 13 23.6–.88 41.17N–.02 20.91E–.02 7–6 110 0-5
TIR VI 22 02 13 22.9 41.19N 20.90E 5–1 2.7,2.3L ¶611017543
SKO VI 22 02 13 23.1 41.15N 20.90E 15 2.5L,2.3L
PDG VI 22 02 13 24.5–.31 41.16N 20.92E 3–1 2.7L,2.3L
THE VI 22 02 13 24.0 41.20N 20.93E 3–3 2.2L,2.3L
BEO VI 22 02 13 24.3–.40 41.13N 20.91E 2–2 2.3L,2.3L
ISC Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=0.8km az=0.0.
THE Event type ke. Error ellipse: s-maj=3.0km s-min=0.7km az=269.0.
BEO Event type ke.
ISC VI 22 05 30 02.4–.92 41.15N–.02 20.87E–.03 11–6 56 0-3
SKO VI 22 05 30 01.5 41.14N 20.90E 15 2.3L ¶612185585
TIR VI 22 05 30 01.0 41.19N 20.91E 2–1 2.5,2.1L
PDG VI 22 05 30 02.1–.15 41.14N 20.95E 2–0 2.5L,2.1L
ISC Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=0.3km az=90.0.
ISC VI 22 09 07 28.9–1.1 41.15N–.02 20.94E–.02 1–11 63 0-3
PDG VI 22 09 07 28.7–.10 41.10N 20.89E 1–0 3.0L ¶611017560
SKO VI 22 09 07 28.3 41.14N 20.91E 15 2.1L
TIR VI 22 09 07 28.1 41.20N 20.94E 6–3 3.0,1.8L
BEO VI 22 09 07 29.3–.40 41.12N 20.94E 3–2 2.2L,1.8L
ISC Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=0.2km az=90.0.
BEO Event type ke.
ISC VI 23 14 15 14.9–.76 41.46N–.02 19.97E–.02 18–5 4.0b,3.0s 298 0-59
NAO VI 23 14 15 05.0 40.67N 21.96E 33 3.0b,3.0s ¶610694234
TIR VI 23 14 15 12.8 41.38N 20.00E 26–0 4.0,3.6L
PDG VI 23 14 15 14.7–.59 41.43N 19.88E 20–0 3.8,3.7L
THE VI 23 14 15 14.4 41.55N 19.97E 14–5 3.4L,3.7L
BEO VI 23 14 15 15.2–.20 41.43N 20.04E 10–2 3.4L,3.7L
ROM VI 23 14 15 15.4–.00 41.43N 19.91E 10 3.6L,3.7L
SKO VI 23 14 15 15.0 41.47N 19.98E 14 3.5L,3.7L
NEIC VI 23 14 15 16.1–1.9 41.46N–.04 19.89E–.08 26–8 4.1b,3.7L
IDC VI 23 14 15 18.4–2.7 41.56N 19.94E 54–30 3.5,3.4L
ISC Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.7km s-min=1.2km az=0.0.
THE Event type ke. Error ellipse: s-maj=7.2km s-min=1.1km az=320.0.
BEO Event type ke.
ROM Event type se. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=11. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=51.
NEIC Event type se. Error ellipse: s-maj=8.2km s-min=6.4km az=98.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=31.8km s-min=23.1km az=44.0.
ISC VI 25 23 02 52.9–1.0 41.16N–.02 20.94E–.02 4–9 179 0-10
SKO VI 25 23 02 51.9 41.17N 20.90E 12 2.8L ¶610694754
PDG VI 25 23 02 51.7–.26 41.07N 20.96E 5–0 3.3L
BEO VI 25 23 02 53.0–.20 41.16N 20.92E 5–1 3.0L

THE VI 25 23 02 54.0 41.16N 20.99E 0–2 3.3L
ISC Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.8km s-min=0.9km az=0.0.
BEO Event type ke.
THE Event type ke. Error ellipse: s-maj=2.3km s-min=1.0km az=325.0.
ISC VI 26 00 48 53.1–1.0 41.15N–.02 20.91E–.02 3–9 109 0-3
SKO VI 26 00 48 52.3 41.16N 20.91E 11 2.1L ¶611017681
PDG VI 26 00 48 53.1–.31 41.09N 20.86E 8–1 2.5L
BEO VI 26 00 48 53.3–.30 41.13N 20.91E 5–2 2.2L
THE VI 26 00 48 54.3 41.15N 21.00E 0–1 2.1L
ISC Event type ke.
PDG Event type ke. Error ellipse: s-maj=1.6km s-min=0.9km az=90.0.
BEO Event type ke.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.6km az=324.0.
ISC VI 26 01 15 23.9–1.0 41.16N–.02 20.92E–.02 4–9 139 0-5
SKO VI 26 01 15 23.2 41.17N 20.91E 14 2.5L ¶611017683
PDG VI 26 01 15 23.8–.22 41.17N 20.91E 3–0 2.7L
BEO VI 26 01 15 24.4–.30 41.14N 20.92E 2–2 2.7L
THE VI 26 01 15 25.1 41.13N 20.98E 0–1 2.5L
ISC Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=0.4km az=90.0.
BEO Event type ke.
THE Event type ke. Error ellipse: s-maj=2.0km s-min=0.8km az=306.0.
ISC VI 26 11 46 57.8–.85 41.17N–.01 20.92E–.01 7–6 287 0-122
TIR VI 26 11 46 56.0 41.16N 20.87E 3–2 4.0L,3.9 ¶610694818
PDG VI 26 11 46 56.9–.32 41.13N 20.96E 1–0 3.8,3.7L
SKO VI 26 11 46 56.8 41.15N 20.89E 17 3.3L,3.7L
THE VI 26 11 46 57.5 41.21N 20.94E 0–0 3.5L,3.7L
BEO VI 26 11 46 58.0–.30 41.15N 20.91E 6–2 3.4L,3.7L
ATH VI 26 11 46 59.7–.37 41.14N 21.00E 10 3.5L,3.7L
IDC VI 26 11 47 03.4–2.1 41.20N 20.86E 58–23 3.7,3.4L
ISC Event type ke.
PDG Event type ke. Error ellipse: s-maj=1.0km s-min=0.7km az=90.0.
THE Event type ke. Error ellipse: s-maj=1.1km s-min=0.5km az=307.0.
BEO Event type ke.
ATH Event type ke. Manual Solution by N.Liadopoulou ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 2 km; Longitude uncertainty: 2 km.
IDC Error ellipse: s-maj=22.3km s-min=18.6km az=137.0.
SKO VI 26 22 35 40.7 41.11N 20.85E 8 1.0L ¶617481149
ISC VI 27 21 26 55.8–1.0 41.18N–.03 20.91E–.02 6–9 41 0-2
THE VI 27 21 26 55.7 41.20N 20.95E 8–18 2.0L ¶616640044
TIR VI 27 21 26 55.0 41.21N 20.94E 7–0 2.7
SKO VI 27 21 26 55.2 41.14N 20.88E 15 2.2L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=18.0km s-min=0.7km az=177.0.
ISC VI 28 01 52 41.1–1.1 41.15N–.01 20.92E–.02 1–9 111 0-4
SKO VI 28 01 52 40.0 41.13N 20.87E 15 2.8L ¶611017730
TIR VI 28 01 52 40.0 41.20N 20.99E 7–0 3.2
PDG VI 28 01 52 40.7–.37 41.12N 20.89E 3–1 3.0L
THE VI 28 01 52 40.5 41.19N 20.93E 0–1 2.8L
BEO VI 28 01 52 41.4–.30 41.14N 20.91E 3–2 2.7L
ISC Event type ke.
PDG Event type ke. Error ellipse: s-maj=2.1km s-min=1.0km az=90.0.
THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.3km az=38.0.
BEO Event type ke.
ISC VI 28 11 29 12.0–.90 41.16N–.02 20.89E–.02 5–7 61 0-2
TIR VI 28 11 29 11.1 41.18N 20.90E 5–2 2.6L ¶611017737
THE VI 28 11 29 11.6 41.18N 20.89E 0–1 2.5L
SKO VI 28 11 29 11.3 41.19N 20.90E 9 2.5L
BEO VI 28 11 29 13.2–.30 41.11N 20.88E 1–2 2.3L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.4km az=45.0.
BEO Event type ke.
ISC VI 28 13 36 41.4–.91 41.15N–.02 20.91E–.02 5–7 93 0-4
SKO VI 28 13 36 40.8 41.16N 20.86E 13 2.4L ¶611017740
THE VI 28 13 36 41.3 41.18N 20.92E 0–3 2.5L
TIR VI 28 13 36 41.1 41.14N 20.88E 6–2 2.9,2.8L
BEO VI 28 13 36 42.0–.30 41.14N 20.91E 3–2 2.6L,2.8L
ATH VI 28 13 36 44.3–.63 41.04N 20.99E 10 2.7L,2.8L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=3.1km s-min=0.7km az=44.0.
BEO Event type ke.
ATH Event type ke. Manual Solution by N.Liadopoulou ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 3 km; Longitude uncertainty: 4 km.
ISC VI 28 13 45 02.5–1.1 41.16N–.02 20.91E–.02 1–10 51 0-2
TIR VI 28 13 45 01.4 41.18N 20.90E 3–1 2.7,2.5L ¶612185589
SKO VI 28 13 45 02.3 41.13N 20.91E 11 2.2L,2.5L
BEO VI 28 13 45 03.1–.30 41.13N 20.90E 3–2 2.2L,2.5L
ISC Event type ke.
BEO Event type ke.
ISC VI 28 17 00 52.6–1.3 40.63N–.02 19.77E–.03 1–11 55 0-4
TIR VI 28 17 00 51.9 40.63N 19.78E 1–1 3.0,2.8L ¶617195815
BEO VI 28 17 00 52.2–.90 40.48N 19.66E 13–3 2.6L,2.8L
THE VI 28 17 00 53.3 40.65N 19.78E 0–3 2.9L,2.8L
ISC Event type ke.
BEO Event type ke.
THE Event type ke. Error ellipse: s-maj=3.4km s-min=0.8km az=48.0.
ISC VI 28 17 58 21.2–1.1 41.18N–.02 20.90E–.02 1–10 70 0-3
TIR VI 28 17 58 20.6 41.17N 20.89E 7–1 2.9,2.6L ¶611017744
BEO VI 28 17 58 21.7–.40 41.13N 20.90E 2–2 2.5L,2.6L
THE VI 28 17 58 21.3 41.17N 20.91E 0–2 2.3L,2.6L
SKO VI 28 17 58 21.1 41.14N 20.89E 10 2.4L,2.6L
ISC Event type ke.
BEO Event type ke.
THE Event type ke. Error ellipse: s-maj=2.8km s-min=0.6km az=72.0.
ISC VI 28 18 20 47.7–.94 41.20N–.02 20.87E–.02 6–8 63 0-3
TIR VI 28 18 20 47.3 41.17N 20.91E 7–2 2.9,2.6L ¶616640052
SKO VI 28 18 20 47.2 41.14N 20.87E 15 2.4L,2.6L
THE VI 28 18 20 48.2 41.17N 20.90E 12–3 2.4L,2.6L
BEO VI 28 18 20 48.8–.30 41.15N 20.92E 0 2.3L,2.6L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=3.5km s-min=0.9km az=63.0.
BEO Event type ke.
ISC VI 28 18 52 46.6–.92 41.16N–.02 20.89E–.02 5–7 130 0-9
TIR VI 28 18 52 45.3 41.19N 20.91E 7–1 3.5L,3.3 ¶611017746
SKO VI 28 18 52 45.5 41.15N 20.90E 15 3.2L,3.3
BEO VI 28 18 52 46.9–.30 41.14N 20.90E 4–2 3.0L,3.3
THE VI 28 18 52 46.6 41.18N 20.88E 0–3 3.2L,3.3
PDG VI 28 18 52 47.3–.27 41.11N 20.90E 7–0 3.2L,3.3
ISC Event type ke.
BEO Event type ke.
THE Event type ke. Error ellipse: s-maj=3.2km s-min=0.7km az=41.0.
PDG Event type ke. Error ellipse: s-maj=0.9km s-min=0.7km az=90.0.
ISC VI 29 02 26 32.2–1.0 41.15N–.03 20.89E–.03 6–8 26 0-2
TIR VI 29 02 26 30.4 41.18N 20.91E 0–2 2.6,2.2L ¶612185590
SKO VI 29 02 26 32.1 41.17N 20.93E 1 2.0L,2.2L
ISC Event type ke.
ISC VI 29 02 28 21.2–1.2 41.16N–.03 20.88E–.03 2–11 39 0-2
TIR VI 29 02 28 20.8 41.16N 20.89E 6–2 2.5,2.1L ¶611017757
SKO VI 29 02 28 20.6 41.20N 20.90E 1 2.0L,2.1L
THE VI 29 02 28 21.2 41.17N 20.91E 0–3 1.9L,2.1L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=3.3km s-min=0.7km az=44.0.
ISC VI 29 02 41 39.2–1.1 41.18N–.01 20.90E–.01 1–10 162 0-7
TIR VI 29 02 41 37.6 41.20N 20.92E 2–2 3.1L,3.0 ¶611017758
SKO VI 29 02 41 38.3 41.15N 20.89E 12 2.9L,3.0
PDG VI 29 02 41 38.9–.35 41.14N 20.89E 3–0 3.0L,3.0
BEO VI 29 02 41 39.4–.20 41.13N 20.88E 6–2 2.8L,3.0
THE VI 29 02 41 39.0 41.18N 20.90E 0–2 2.8L,3.0
SOF VI 29 02 41 39.9 41.28N 21.04E 4 3.0,3.0
ISC Event type ke.
PDG Event type ke. Error ellipse: s-maj=1.7km s-min=0.7km az=90.0.
BEO Event type ke.
THE Event type ke. Error ellipse: s-maj=2.0km s-min=0.7km az=2.0.
ISC VI 29 05 40 14.0–1.0 41.14N–.03 20.91E–.03 5–8 28 0-2
SKO VI 29 05 40 13.3 41.20N 20.92E 9 2.2L ¶612185591
TIR VI 29 05 40 13.4 41.18N 20.90E 6–3 2.7,2.2L
ISC Event type ke.
ISC VI 29 07 20 02.0–.96 41.16N–.02 20.91E–.02 4–8 83 0-3
ATH VI 29 07 20 00.7 41.13N 20.45E 40–13 2.6L ¶611017767
THE VI 29 07 20 01.9 41.18N 20.91E 3–29 2.6L
SKO VI 29 07 20 01.2 41.14N 20.89E 15 2.5L
TIR VI 29 07 20 01.3 41.17N 20.90E 6–2 2.8,2.7L
BEO VI 29 07 20 02.6–.30 41.12N 20.88E 3–2 2.2L,2.7L
ISC Event type ke.
ATH Event type ke. Manual Solution by I.Dede ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 3 km; Longitude uncertainty: 10 km.
THE Event type ke. Error ellipse: s-maj=29.7km s-min=0.7km az=250.0.
BEO Event type ke.
ISC VI 29 19 10 11.5–.80 41.16N–.02 20.86E–.02 11–5 87 0-2
TIR VI 29 19 10 10.9 41.18N 20.89E 10–2 2.8,2.5L ¶611017786
SKO VI 29 19 10 11.3 41.19N 20.90E 10 2.2L,2.5L
THE VI 29 19 10 12.2 41.18N 20.89E 10–1 2.1L,2.5L
BEO VI 29 19 10 12.9–.30 41.16N 20.90E 0 2.2L,2.5L
ATH VI 29 19 10 12.3 41.14N 20.92E 4–1 2.5L,2.5L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=2.0km s-min=0.5km az=242.0.
BEO Event type ke.
ATH Event type ke. Manual Solution by G.Panopoulou ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 1 km; Longitude uncertainty: 1 km.
SKO VI 30 01 40 54.7 41.15N 20.86E 7 0.9L ¶615364560
ISC VI 30 03 43 54.2–1.5 40.23N–.05 19.68E–.05 10–11 17 0-1
TIR VI 30 03 43 53.1 40.22N 19.66E 7–30 2.9,2.1L ¶612185592
ATH VI 30 03 43 54.8 40.27N 19.73E 19–4 2.2L,2.1L
ISC Event type ke.
ATH Event type ke. Manual Solution by M.Kolligri ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 2 km; Longitude uncertainty: 3 km.
ISC VI 30 11 33 33.5–.84 41.15N–.02 20.89E–.02 8–6 101 0-3
TIR VI 30 11 33 32.7 41.19N 20.94E 2–2 3.2,2.2L ¶611017809
SKO VI 30 11 33 33.3 41.11N 20.89E 18 2.6L,2.2L
THE VI 30 11 33 33.9 41.19N 20.92E 0–2 2.7L,2.2L
PDG VI 30 11 33 34.1–.27 41.10N 20.83E 2–0 2.5L,2.2L
BEO VI 30 11 33 34.6–.30 41.11N 20.88E 5–2 2.5L,2.2L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=2.5km s-min=0.8km az=355.0.
PDG Event type ke. Error ellipse: s-maj=1.5km s-min=0.8km az=90.0.
BEO Event type ke.
ISC VI 30 13 04 28.7–1.3 41.23N–.06 20.91E–.05 9–9 17 0-1
SKO VI 30 13 04 28.4 41.22N 20.81E 15 2.0L ¶617196553
TIR VI 30 13 04 29.4 41.17N 20.92E 6–18 3.0,1.4L
ISC Event type ke.
ISC VI 30 18 41 32.8–.94 41.14N–.02 20.88E–.03 9–6 39 0-2
TIR VI 30 18 41 31.5 41.16N 20.92E 1–1 2.8,2.3L ¶611017812
SKO VI 30 18 41 32.1 41.15N 20.93E 15 1.9L,2.3L
THE VI 30 18 41 32.6 41.17N 20.90E 22–6 2.1L,2.3L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=6.5km s-min=1.2km az=250.0.

(392) Greece-Albania border region.

ISC I 09 05 54 24.2–1.1 40.44N–.02 20.05E–.02 6–9 126 0-9
TIR I 09 05 54 23.5 40.42N 20.07E 5–1 3.2,3.1L ¶610448580
PDG I 09 05 54 23.9–.30 40.46N 20.01E 11–0 3.0L,3.1L
THE I 09 05 54 24.8 40.44N 20.08E 2–1 2.8L,3.1L
BEO I 09 05 54 25.7–.40 40.45N 20.07E 11–2 2.7L,3.1L
ISC Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.5km s-min=0.9km az=0.0.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.5km az=334.0.
BEO Event type ke.
ISC I 23 20 48 13.3–.88 39.74N–.03 20.73E–.02 16–7 55 0-3
TIR I 23 20 48 11.7 39.77N 20.74E 5–0 2.8 ¶615527872
THE I 23 20 48 13.4 39.77N 20.72E 16–1 2.3L
ATH I 23 20 48 13.0 39.75N 20.71E 18–3 2.3L
BEO I 23 20 48 13.7–.90 39.69N 21.20E 0 2.2L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.9km az=231.0.
ATH Event type ke. Error ellipse: s-maj=5.4km s-min=1.1km az=161.0.
BEO Event type ke.
ISC I 31 09 00 06.7–.94 40.39N–.02 20.96E–.02 15–8 64 0-3
BEO I 31 09 00 06.2–1.2 40.28N 21.01E 7–3 2.2L ¶610448626
ATH I 31 09 00 07.4 40.39N 20.91E 9–2 2.4L
TIR I 31 09 00 07.9 40.37N 20.89E 0–6 3.6,2.6L
THE I 31 09 00 08.0 40.39N 20.93E 0–3 2.5L,2.6L
SKO I 31 09 00 09.1 40.37N 21.06E 6 2.2L,2.6L
ISC Event type ke.
BEO Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.8km s-min=1.1km az=99.0.
THE Event type ke. Error ellipse: s-maj=3.2km s-min=0.9km az=282.0.
ISC II 08 15 08 08.2–.89 39.79N–.02 20.68E–.02 12–7 72 0-2
ATH II 08 15 08 08.4 39.80N 20.69E 7–1 2.4L ¶610679557
THE II 08 15 08 08.3 39.79N 20.67E 10–0 2.4L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.6km s-min=0.8km az=315.0.
THE Event type ke. Error ellipse: s-maj=0.7km s-min=0.4km az=292.0.
ISC II 13 19 08 43.1–.82 39.78N–.02 20.66E–.02 16–6 3.4b 180 0-44
TIR II 13 19 08 42.7 39.76N 20.80E 5–0 3.4 ¶610448663
THE II 13 19 08 43.7 39.80N 20.69E 8–1 2.9L
ATH II 13 19 08 43.6 39.79N 20.69E 12–1 3.0L
BEO II 13 19 08 43.7–.60 39.72N 20.71E 17–3 2.7L
IDC II 13 19 08 44.4–13 40.27N 21.28E 0 3.5,3.4b
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.4km az=306.0.
ATH Event type ke. Error ellipse: s-maj=1.3km s-min=0.9km az=308.0.
BEO Event type ke.
IDC Error ellipse: s-maj=250.3km s-min=45.6km az=39.0.
ISC II 17 04 31 46.8–.82 40.39N–.01 20.98E–.02 12–6 3.5b 296 0-94
PRU II 17 04 31 44.0–.00 40.32N 21.54E 1 3.5b ¶610223768
TIR II 17 04 31 44.7 40.32N 21.03E 7–1 3.8
SKO II 17 04 31 46.6 40.36N 20.99E 12 3.5L
BEO II 17 04 31 46.9–.40 40.37N 21.02E 11–2 3.4L
PDG II 17 04 31 46.5–.60 40.39N 21.00E 10–0 3.7L
THE II 17 04 31 46.6 40.39N 20.95E 0–3 3.6L
ATH II 17 04 31 46.7 40.43N 20.97E 2–2 3.6L
SOF II 17 04 31 47.0 40.42N 21.29E 2 3.5
IDC II 17 04 31 50.9–1.4 40.45N 20.90E 46–17 3.6,3.6L
ISC Event type ke.
BEO Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=0.8km az=0.0.
THE Event type ke. Error ellipse: s-maj=3.0km s-min=0.7km az=359.0.
ATH Event type ke. Error ellipse: s-maj=2.0km s-min=0.9km az=70.0.
IDC Error ellipse: s-maj=16.6km s-min=12.7km az=132.0.
TIR II 18 09 24 27.5 40.38N 20.96E 5–2 2.2,1.7L ¶616228558
ISC III 01 06 07 41.0–2.7 39.97N–.07 19.7E–.10 7–13 18 0-2
TIR III 01 06 07 40.0 39.96N 19.72E 5–0 2.7 ¶612185402
ATH III 01 06 07 43.2 39.96N 19.80E 10–2 1.5L

ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.7km s-min=1.5km az=129.0.
ISC III 06 18 47 25.7–.90 39.93N–.02 20.69E–.02 11–8 43 0-2
TIR III 06 18 47 25.6 39.92N 20.60E 14–0 2.7 ¶610660900
THE III 06 18 47 25.6 39.94N 20.69E 14–1 1.9L
ATH III 06 18 47 26.1 39.91N 20.72E 10–31 1.9L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.6km az=210.0.
ATH Event type ke. Error ellipse: s-maj=31.6km s-min=1.1km az=0.0.
ISC III 16 03 00 57.9–.76 39.73N–.01 20.73E–.01 14–5 3.5b 233 0-44
IDC III 16 03 00 54.7–1.2 39.77N 20.81E 0 3.5b,3.3 ¶610329811
BEO III 16 03 00 56.1–.60 39.54N 21.13E 0 3.2L,3.3
TIR III 16 03 00 57.7 39.75N 20.69E 20–2 3.3,3.3
THE III 16 03 00 58.3 39.75N 20.75E 6–1 3.4L,3.3
PDG III 16 03 00 58.1–.44 39.73N 20.75E 11–1 3.4L,3.3
ATH III 16 03 00 58.3 39.74N 20.73E 6–1 3.3L,3.3
ISC Event type ke.
IDC Error ellipse: s-maj=20.2km s-min=19.0km az=83.0.
BEO Event type ke.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.5km az=282.0.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=0.9km az=0.0.
ATH Event type ke. Error ellipse: s-maj=1.1km s-min=0.6km az=314.0.
ISC III 18 07 27 17.5–.95 40.47N–.02 20.63E–.03 12–8 34 0-2
TIR III 18 07 27 16.6 40.46N 20.63E 15–1 2.5,2.0L ¶610660914
SKO III 18 07 27 16.8 40.40N 20.57E 0 2.0L,2.0L
ATH III 18 07 27 18.3 40.50N 20.63E 10–3 2.0L,2.0L
THE III 18 07 27 19.0 40.44N 20.85E 22–8 2.1L,2.0L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.3km s-min=1.3km az=119.0.
THE Event type ke. Error ellipse: s-maj=9.3km s-min=1.2km az=95.0.
ISC III 18 21 24 43.1–.90 39.37N–.02 20.53E–.02 12–7 3.5b 102 0-45
IDC III 18 21 24 42.6–10 39.64N 20.95E 0 3.5,3.5b ¶610546475
ATH III 18 21 24 43.2 39.37N 20.50E 5–31 2.7L,3.5b
THE III 18 21 24 43.3 39.37N 20.55E 1–2 2.8L,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=204.7km s-min=29.5km az=32.0.
ATH Event type ke. Error ellipse: s-maj=31.6km s-min=0.8km az=0.0.
THE Event type ke. Error ellipse: s-maj=2.2km s-min=0.5km az=193.0.
ATH III 21 08 42 13.3 39.88N 20.77E 12–2 2.3L
THE III 21 08 42 12.9 39.75N 20.83E 27–1 2.3L ¶610680646
ATH Event type ke. Error ellipse: s-maj=2.8km s-min=1.4km az=254.0.
THE Event type ke. Error ellipse: s-maj=1.7km s-min=0.7km az=132.0.
ATH III 21 13 24 39.3 39.76N 19.94E 32–4 1.3L
¶616198659
ATH Event type ke. Error ellipse: s-maj=6.9km s-min=1.7km az=204.0.
SKO III 25 13 31 18.5 40.65N 20.91E 4 1.8L
¶616602513
ISC III 25 19 53 00.5–.76 39.38N–.01 20.52E–.02 18–3 3.8b 374 0-76
IDC III 25 19 52 57.6–.89 39.38N 20.48E 0 3.7b,3.6 ¶616198770
TIR III 25 19 52 60.0 39.38N 20.53E 17–2 4.0,3.7L
THE III 25 19 53 00.8 39.37N 20.55E 12–1 3.5L,3.7L
NEIC III 25 19 53 00.6–2.4 39.38N–.05 20.48E–.05 10–1 4.0b,3.7L
PDG III 25 19 53 01.3–.64 39.42N 20.45E 17–1 3.6L,3.7L
ATH III 25 19 53 01.6 39.36N 20.51E 7–1 3.5L,3.7L
BEO III 25 19 53 05.0–.80 39.72N 20.44E 0 3.3L,3.7L
ISC Event type ke.
IDC Error ellipse: s-maj=15.8km s-min=13.4km az=15.0.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.3km az=289.0.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=4.6km az=210.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=1.4km az=0.0.
ATH Event type ke. Error ellipse: s-maj=2.0km s-min=0.8km az=283.0. ML Amplitudes are expressed in micrometers.
BEO Event type ke.
SKO III 27 13 37 39.6 40.09N 20.59E 19 2.0L
¶616493848
ISC III 27 13 38 14.1–1.1 40.19N–.04 20.38E–.03 13–8 52 0-3
ATH III 27 13 38 14.9 40.20N 20.38E 6–2 2.7L ¶610680751
THE III 27 13 38 14.4 40.16N 20.38E 16–0 2.6L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.8km s-min=1.2km az=158.0.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.5km az=161.0.
ISC III 27 14 57 02.9–.93 40.20N–.03 20.35E–.03 17–7 58 0-3
TIR III 27 14 57 02.7 40.16N 20.32E 16–3 2.8L,2.7 ¶610660925
ATH III 27 14 57 02.7 40.24N 20.36E 4–2 2.5L,2.7
THE III 27 14 57 03.3 40.18N 20.36E 19–2 2.4L,2.7
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.5km s-min=1.4km az=138.0.
THE Event type ke. Error ellipse: s-maj=2.9km s-min=0.8km az=123.0.
ISC IV 01 23 46 33.3–.76 39.76N–.02 20.70E–.02 15–5 3.7b,2.8s 347 0-74
IDC IV 01 23 46 30.5–.97 39.79N 20.73E 0 3.7b,3.6 ¶610470152
TIR IV 01 23 46 31.9 39.77N 20.79E 9–1 4.0L,3.8
SKO IV 01 23 46 32.5 39.62N 20.89E 0 3.5L,3.8
PDG IV 01 23 46 32.5–.62 39.74N 20.64E 15–1 3.7L,3.8
THE IV 01 23 46 33.4 39.77N 20.72E 3–0 3.4L,3.8
NEIC IV 01 23 46 33.7–2.2 39.79N–.03 20.66E–.05 14–6 4.1b,3.8
ATH IV 01 23 46 33.9 39.77N 20.70E 9–1 3.4L,3.8
BEO IV 01 23 46 34.0–.70 39.76N 20.54E 10–4 3.4L,3.8
NAO IV 01 23 46 34.8 39.79N 20.73E 33 3.6b,3.8
PRU IV 01 23 46 57.4–.00 41.49N 19.82E 0 4.2,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=16.7km s-min=14.7km az=51.0.
PDG Event type ke. Error ellipse: s-maj=0.8km s-min=0.9km az=0.0.
THE Event type ke. Error ellipse: s-maj=0.7km s-min=0.2km az=318.0.
NEIC Event type se. Error ellipse: s-maj=6.4km s-min=3.4km az=51.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ATH Event type ke. Error ellipse: s-maj=1.8km s-min=0.9km az=315.0.
BEO Event type ke.
ISC IV 03 19 32 23.9–.80 39.78N–.01 20.71E–.02 14–5 3.4b 202 0-44
IDC IV 03 19 32 20.7–1.6 39.81N 20.75E 0 3.4,3.4b ¶610651868
BEO IV 03 19 32 23.4–.70 39.62N 20.75E 15–4 3.0L,3.4b
TIR IV 03 19 32 23.3 39.77N 20.67E 15–2 3.4L,3.1
THE IV 03 19 32 24.3 39.78N 20.73E 4–1 3.0L,3.1
ATH IV 03 19 32 24.1 39.79N 20.70E 8–1 3.1L,3.1
PDG IV 03 19 32 24.5–.91 39.84N 20.73E 1–11 3.2L,3.1
ISC Event type ke.
IDC Error ellipse: s-maj=45.8km s-min=28.0km az=117.0.
BEO Event type ke.
THE Event type ke. Error ellipse: s-maj=1.2km s-min=0.5km az=316.0.
ATH Event type ke. Error ellipse: s-maj=1.5km s-min=0.7km az=318.0.
PDG Event type ke. Error ellipse: s-maj=1.2km s-min=2.0km az=0.0.
ISC IV 05 23 35 16.9–1.0 39.67N–.02 20.39E–.02 4–9 96 0-3
TIR IV 05 23 35 15.8 39.68N 20.37E 13–0 2.7 ¶610972383
THE IV 05 23 35 16.8 39.67N 20.39E 4–1 2.1L
ATH IV 05 23 35 17.3 39.73N 20.38E 4–1 2.2L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.4km az=259.0.
ATH Event type ke. Error ellipse: s-maj=1.5km s-min=0.8km az=307.0.
ISC IV 06 07 53 56.0–.96 40.72N–.02 20.68E–.03 8–7 47 0-2
THE IV 06 07 53 55.4 40.76N 20.73E 12–1 2.4L ¶610972386
SKO IV 06 07 53 55.7 40.70N 20.71E 3 2.0L
TIR IV 06 07 53 55.5 40.73N 20.74E 14–1 2.5,1.6L
ATH IV 06 07 53 56.4 40.76N 20.74E 10–31 2.2L,1.6L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.9km az=132.0.
ATH Event type ke. Error ellipse: s-maj=31.6km s-min=2.6km az=0.0.
ISC IV 12 22 37 25.9–.80 39.66N–.02 20.36E–.02 12–5 3.6b 148 0-45
TIR IV 12 22 37 20.4 39.47N 20.52E 1–1 3.5L,3.2 ¶610652585
THE IV 12 22 37 25.8 39.67N 20.39E 6–1 3.1L,3.2
ATH IV 12 22 37 26.1 39.66N 20.39E 6–3 3.3L,3.2
BEO IV 12 22 37 27.0–.80 39.60N 20.49E 14–3 3.1L,3.2
IDC IV 12 22 37 29.0–2.3 39.68N 20.45E 37–25 3.5L,3.4
VIE IV 12 22 37 33.5 40.15N 20.17E 10 3.8s,2.9b
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.7km az=306.0.
ATH Event type ke. Error ellipse: s-maj=3.9km s-min=1.1km az=330.0.
BEO Event type ke.
IDC Error ellipse: s-maj=21.6km s-min=16.7km az=134.0.
VIE 135 km SSE of Tirana .
ISC IV 13 02 36 15.2–1.1 40.22N–.02 20.61E–.02 2–10 83 0-3
TIR IV 13 02 36 13.3 40.13N 20.70E 9–1 2.9,2.4L ¶610972415
THE IV 13 02 36 15.5 40.22N 20.62E 0–2 2.5L,2.4L
ATH IV 13 02 36 16.2 40.22N 20.64E 6–1 2.5L,2.4L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=2.4km s-min=0.7km az=312.0.
ATH Event type ke. Error ellipse: s-maj=1.7km s-min=0.8km az=323.0.
ISC IV 13 06 57 51.4–1.0 40.17N–.02 20.70E–.02 4–8 120 0-6
TIR IV 13 06 57 48.0 40.05N 20.79E 0–2 3.4L,3.2 ¶610972416
THE IV 13 06 57 51.5 40.21N 20.62E 1–31 2.9L,3.2
ATH IV 13 06 57 51.6 40.23N 20.61E 2–2 2.9L,3.2
BEO IV 13 06 57 53.9–.70 40.17N 20.84E 12–2 2.6L,3.2
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=31.6km s-min=0.7km az=0.0.
ATH Event type ke. Error ellipse: s-maj=2.1km s-min=0.9km az=98.0.
BEO Event type ke.
ISC IV 15 05 36 03.8–.88 40.19N–.02 20.65E–.02 4–7 58 0-2
TIR IV 15 05 36 03.5 40.18N 20.61E 7–3 2.6L,2.5 ¶610972419
ATH IV 15 05 36 04.2 40.20N 20.67E 5–31 2.0L,2.5
THE IV 15 05 36 04.1 40.19N 20.64E 0–2 1.9L,2.5
SKO IV 15 05 36 05.1 40.16N 20.72E 22 1.9L,2.5
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=31.6km s-min=0.8km az=0.0.
THE Event type ke. Error ellipse: s-maj=2.2km s-min=0.6km az=258.0.
ATH IV 22 19 44 43.0 39.53N 20.64E 5–2 2.0L
¶616199758
ATH Event type ke. Error ellipse: s-maj=2.4km s-min=0.8km az=342.0.
ISC V 09 07 33 05.9–.95 39.20N–.01 20.53E–.03 14–7 3.5b 94 0-45
IDC V 09 07 33 03.2–1.6 39.30N 20.64E 0 3.6,3.6b ¶610689884
TIR V 09 07 33 04.3 39.15N 20.30E 35–1 3.6,3.0L
ATH V 09 07 33 05.9 39.20N 20.57E 20–2 3.0L,3.0L
BEO V 09 07 33 05.8–.90 39.13N 20.39E 7–3 2.8L,3.0L
THE V 09 07 33 06.4 39.20N 20.55E 8–1 3.0L,3.0L
ISC Event type ke.
IDC Error ellipse: s-maj=67.3km s-min=28.3km az=128.0.
ATH Event type ke. Error ellipse: s-maj=2.9km s-min=0.9km az=263.0. ML Amplitudes are expressed in micrometers.
BEO Event type ke.
THE Event type ke. Error ellipse: s-maj=1.5km s-min=0.5km az=267.0.
ISC V 28 13 36 45.1–.95 40.05N–.04 20.30E–.03 30–8 31 0-2
TIR V 28 13 36 44.2 40.04N 20.27E 30–1 2.9,2.4L ¶612185557
ATH V 28 13 36 44.2 40.03N 20.31E 41–2 2.1L,2.4L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.9km s-min=1.2km az=174.0. ML Amplitudes are expressed in micrometers.
ISC VI 01 08 45 01.2–.90 40.98N–.01 20.53E–.02 11–7 217 0-7
TIR VI 01 08 44 59.3 40.99N 20.52E 0–1 3.3L,3.3 ¶611016655
PDG VI 01 08 45 00.5–.57 40.98N 20.54E 1–1 3.3L,3.3
THE VI 01 08 45 00.9 40.99N 20.53E 0–1 3.1L,3.3
ATH VI 01 08 45 00.9–.36 41.05N 20.50E 10 3.2L,3.3
SKO VI 01 08 45 00.1 40.98N 20.49E 17 2.9L,3.3
BEO VI 01 08 45 01.8–.30 41.00N 20.56E 9–1 2.9L,3.3
ISC Event type ke.
PDG Event type ke. Error ellipse: s-maj=0.6km s-min=1.1km az=0.0.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.7km az=352.0.
ATH Event type ke. Manual Solution by G.Panopoulou ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 2 km; Longitude uncertainty: 2 km.
BEO Event type ke.
ISC VI 10 07 37 40.5–1.0 40.10N–.03 20.74E–.03 6–8 51 0-4
BEO VI 10 07 37 40.1–1.3 40.04N 20.78E 4–6 2.5L ¶611016826
TIR VI 10 07 37 40.0 40.14N 20.77E 4–2 2.6,2.5L
THE VI 10 07 37 40.9 40.17N 20.68E 8–2 2.4L,2.5L
SKO VI 10 07 37 43.2 40.09N 20.85E 13 2.6L,2.5L
ISC Event type ke.
BEO Event type ke.
THE Event type ke. Error ellipse: s-maj=3.0km s-min=0.9km az=309.0.
ISC VI 12 10 08 30.8–1.1 40.90N–.02 20.84E–.02 2–9 118 0-5
TIR VI 12 10 08 28.5 40.91N 20.82E 2–1 3.2,3.0L ¶611016860
SKO VI 12 10 08 30.2 40.90N 20.84E 14 2.8L,3.0L
BEO VI 12 10 08 30.7–.30 40.90N 20.79E 0 2.7L,3.0L
THE VI 12 10 08 31.7 40.87N 20.90E 0–2 2.7L,3.0L
PDG VI 12 10 08 32.2–.26 41.08N 20.89E 2–0 2.9L,3.0L
ISC Event type ke.
BEO Event type ke.
THE Event type ke. Error ellipse: s-maj=2.9km s-min=1.2km az=6.0.
PDG Event type ke. Error ellipse: s-maj=1.0km s-min=0.6km az=90.0.
ISC VI 17 15 53 48.4–1.3 40.08N–.04 20.29E–.04 10–12 20 0-1
TIR VI 17 15 53 48.1 40.08N 20.27E 23–3 2.6,1.7L ¶611017368
THE VI 17 15 53 49.1 40.08N 20.30E 9–2 2.0L,1.7L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=2.7km s-min=1.2km az=235.0.

(393) Madeira Islands region.

ISC IV 28 04 07 57.0–1.8 33.84N–.08 17.7W–.10 35 53 1-11
MDD IV 28 04 07 59.2–.99 33.82N 17.95W 38–38 4.6b,4.0 ¶610661079
CNRM IV 28 04 08 02.9 33.68N 17.62W 0 4.6b,4.0
INMG IV 28 04 08 03.3–2.4 33.79N 17.95W 45 3.0L,4.0
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=17.5km s-min=2.4km az=115.0.
INMG Event type ke. Error ellipse: s-maj=14.3km s-min=3.8km az=106.0.
ISC VI 15 02 14 09.8–.81 32.98N–.05 17.00W–.05 54–11 108 0-97
MDD VI 15 02 14 12.3–.35 32.98N 17.15W 42–7 4.9b,4.5 ¶610933066
INMG VI 15 02 14 14.1–1.2 33.06N 17.13W 33–4 3.2L,4.5
CNRM VI 15 02 14 29.1 33.30N 15.92W 158 3.2L,4.5
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=4.5km s-min=2.0km az=114.0.
INMG Event type ke. Error ellipse: s-maj=6.1km s-min=2.1km az=119.0.
ISC VI 20 04 51 41.7–1.8 32.56N–.06 17.76W–.09 24–13 72 1-11
INMG VI 20 04 51 42.0–1.3 32.80N 17.93W 55–13 2.8L ¶610933088
MDD VI 20 04 51 46.5–.88 32.42N 17.71W 5–24 4.3b,3.7
CNRM VI 20 04 51 47.7 32.69N 17.42W 20 2.4L,3.7
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=7.9km s-min=7.4km az=123.0.
MDD Event type ke. Error ellipse: s-maj=26.8km s-min=6.3km az=159.0.

(394) Canary Islands region.

ISC I 14 08 47 25.7–1.7 29.06N–.03 16.81W–.05 13–13 29 1-4
MDD I 14 08 47 31.3–.91 29.03N 16.81W 35–30 2.9 ¶615222117
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=12.6km s-min=4.8km az=179.0.
ISC III 26 15 53 20.5–1.0 28.54N–.04 14.24W–.03 33–4 59 0-8
MDD III 26 15 53 23.6–.35 28.47N 14.22W 15–12 3.7 ¶612756424
CNRM III 26 15 53 23.8 28.86N 13.81W 10 3.0L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=9.3km s-min=3.7km az=139.0.
ISC IV 13 01 30 35.9–1.5 29.55N–.03 17.08W–.04 29–15 57 1-4
MDD IV 13 01 30 40.8–.75 29.46N 17.06W 34–37 3.0 ¶610660991
INMG IV 13 01 30 42.0–1.1 29.50N 17.05W 21 2.5L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=8.1km s-min=4.1km az=168.0.

INMG Event type ke. Error ellipse: s-maj=2.6km s-min=1.6km az=94.0.
ISC V 25 06 28 06.9–1.3 29.39N–.03 16.34W–.04 27–13 53 1-8
MDD V 25 06 28 12.3–.81 29.28N 16.34W 30 3.2 ¶614953352
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=6.9km s-min=4.1km az=172.0.
ISC V 31 02 30 46.5–1.4 30.03N–.03 15.14W–.04 5–12 45 2-3
MDD V 31 02 30 56.9–1.1 29.86N 15.10W 10–15 3.4 ¶610695507
INMG V 31 02 30 57.3–1.3 29.99N 15.11W 36 2.5L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=18.5km s-min=4.1km az=4.0.
INMG Event type ke. Error ellipse: s-maj=3.8km s-min=2.3km az=87.0.
ISC VI 07 06 24 52.2–1.3 27.74N–.05 18.22W–.07 33–2 54 0-6
MDD VI 07 06 24 55.1–1.5 27.72N 18.19W 22–8 3.9 ¶615224019
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=18.1km s-min=12.1km az=172.0.
MDD VI 09 02 42 30.6–.89 28.25N 16.70W 14–7 1.5
¶615224037
MDD Event type ke. Error ellipse: s-maj=5.7km s-min=4.6km az=7.0.
ISC VI 10 02 21 55.8–1.3 28.80N–.03 16.82W–.03 34–3 60 0-4
MDD VI 10 02 21 59.2–.61 28.73N 16.80W 30–14 3.3 ¶610933046
INMG VI 10 02 22 00.2–.97 28.73N 16.89W 18 2.8L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=9.5km s-min=2.5km az=166.0.
INMG Event type ke. Error ellipse: s-maj=3.0km s-min=1.6km az=79.0.

(395) Morocco.

INMG I 05 14 19 28.8–.90 32.27N 8.22W 0 2.0L
MDD I 05 14 19 28.9–1.9 32.15N 7.64W 17–11 3.7b,3.0 ¶610241108
INMG Event type ke. Error ellipse: s-maj=5.6km s-min=4.8km az=38.0.
MDD Event type ke. Error ellipse: s-maj=29.5km s-min=12.5km az=91.0.
MDD I 06 12 21 06.6–1.5 32.39N 7.59W 0 4.0b,3.3
¶615222053
MDD Event type ke. Error ellipse: s-maj=17.3km s-min=12.2km az=106.0.
ISC I 16 05 45 21.0–1.5 33.60N–.03 4.35W–.03 15–12 156 1-9
CNRM I 16 05 45 20.7 33.60N 4.29W 2 4.1L ¶610241161
INMG I 16 05 45 22.1–1.9 33.56N 4.46W 5 3.0,2.9L
SFS I 16 05 45 23.9 33.48N 4.29W 35 4.3b,4.1L
MDD I 16 05 45 23.2–.66 33.59N 4.32W 8–7 4.3b,3.7
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=5.1km s-min=2.9km az=86.0.
MDD Event type ke. Error ellipse: s-maj=8.6km s-min=3.3km az=168.0.
ISC I 16 11 30 37.3–1.1 33.57N–.02 4.41W–.03 18–5 66 1-7
CNRM I 16 11 30 36.1 33.52N 4.23W 2 2.7L ¶610241164
INMG I 16 11 30 38.8–1.1 33.42N 4.59W 45–11 2.0L
MDD I 16 11 30 38.1–1.3 33.59N 4.59W 0 4.1b,3.4
SFS I 16 11 30 46.4 34.09N 4.91W 0 3.5,3.4L
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=13.2km s-min=3.9km az=82.0.
MDD Event type ke. Error ellipse: s-maj=11.4km s-min=10.0km az=101.0.
ISC I 18 19 06 31.2–1.1 32.23N–.03 5.76W–.02 12–10 70 1-8
CNRM I 18 19 06 30.7 32.08N 5.74W 4 3.1L ¶610241173
MDD I 18 19 06 32.1–1.2 32.25N 5.66W 0 4.2b,3.6
INMG I 18 19 06 33.9–1.3 32.32N 5.86W 5 2.3L,3.6
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=9.0km s-min=7.4km az=161.0.
INMG Event type ke. Error ellipse: s-maj=7.9km s-min=5.1km az=13.0.
ISC I 28 14 04 27.8–3.5 32.7N–.20 7.6W–.10 10 34 1-7
INMG I 28 14 04 25.7–1.1 32.42N 7.81W 18–7 2.1L ¶610240925
SFS I 28 14 04 28.8 32.53N 7.72W 32 4.0,3.8L
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=7.3km s-min=4.5km az=34.0.
ISC I 30 10 17 36.3–1.1 34.44N–.03 3.40W–.02 19–3 47 0-6
CNRM I 30 10 17 36.6 34.48N 3.48W 0 2.6L ¶610240931
SFS I 30 10 17 37.9 34.41N 3.34W 21 2.3L,2.3
INMG I 30 10 17 38.2–1.7 34.47N 3.48W 19–16 2.2,2.0L
MDD I 30 10 17 38.1–.96 34.45N 3.43W 10–7 3.2b,2.3
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=7.8km s-min=7.6km az=159.0.
MDD Event type ke. Error ellipse: s-maj=7.0km s-min=4.3km az=142.0.
CNRM II 06 07 25 55.5 32.22N 2.62W 68 3.5L
¶612756087
ISC II 06 21 31 29.2–1.3 33.49N–.04 5.69W–.04 17–11 17 1-5
CNRM II 06 21 31 32.0 33.32N 5.70W 22 ¶612756089
MDD II 06 21 31 32.1–1.0 33.48N 5.67W 21–21 3.8b,3.1
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=22.4km s-min=6.2km az=138.0.
ISC II 10 12 30 23.7–1.2 32.84N–.03 5.77W–.02 18–4 73 1-7
SFS II 10 12 30 23.1 32.79N 5.71W 0 4.3L,4.3 ¶610346119
CNRM II 10 12 30 23.4 32.73N 5.79W 6 3.1L,4.3
MDD II 10 12 30 24.8–1.1 32.84N 5.82W 8–6 4.1b,3.5
IGIL II 10 12 30 25.0 32.73N 5.80W 14 2.4L,3.5
INMG II 10 12 30 25.2–1.1 32.81N 5.72W 23–8 2.4L,3.5
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=12.2km s-min=4.5km az=168.0.
INMG Event type ke. Error ellipse: s-maj=4.8km s-min=4.0km az=48.0.
ISC II 18 04 48 23.8–.91 33.59N–.02 4.95W–.03 15–7 64 0-6
SFS II 18 04 48 23.6 33.68N 4.93W 0 ¶610346142
CNRM II 18 04 48 23.1 33.57N 4.95W 4 2.6L
INMG II 18 04 48 24.6–1.4 33.54N 4.94W 13–7 2.0L
IGIL II 18 04 48 26.4 33.54N 4.94W 17 1.6L
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=7.8km s-min=3.8km az=46.0.
ISC II 18 15 40 34.7–.91 32.67N–.03 4.70W–.05 16–6 33 0-7
CNRM II 18 15 40 33.4 32.60N 4.77W 2 2.5L ¶610346147
INMG II 18 15 40 35.2–1.1 32.71N 4.50W 15–4 2.2L
IGIL II 18 15 40 35.9 32.71N 4.48W 11 2.2L
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=19.6km s-min=7.2km az=67.0.
ISC II 20 07 44 14.3–.88 30.55N–.04 9.82W–.04 25–6 4.3b,3.0s 140 0-70
NEIC II 20 07 44 10.1–1.1 30.26N–.07 9.83W–.07 10–2 4.4b,3.0s ¶612756155
CNRM II 20 07 44 11.7 30.32N 9.91W 18 4.5L,3.0s
IDC II 20 07 44 12.5–2.0 30.30N 9.61W 0 3.9,3.9b
MDD II 20 07 44 14.9–.99 30.35N 9.60W 28–13 4.5b,3.9b
INMG II 20 07 44 16.8–1.9 30.74N 9.51W 0 3.4L,3.9b
IGIL II 20 07 44 17.4 30.49N 9.64W 20 3.4L,3.9b
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=10.8km az=206.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=46.9km s-min=19.8km az=111.0.
MDD Event type ke. Error ellipse: s-maj=13.9km s-min=5.7km az=140.0.
INMG Event type ke. Error ellipse: s-maj=16.0km s-min=7.8km az=84.0.
ISC II 21 22 56 25.1–1.3 32.35N–.04 6.37W–.03 33–3 145 1-10
CNRM II 21 22 56 23.3 32.26N 6.36W 10 3.5L ¶612756183
MDD II 21 22 56 24.0–.82 32.23N 6.35W 11–12 3.9b,3.2
IGIL II 21 22 56 25.6 32.39N 6.32W 0 3.2L,3.2
INMG II 21 22 56 26.0–1.1 32.51N 6.30W 0 2.9L,3.2
SFS II 21 22 56 28.1 32.48N 6.39W 99 4.2L,4.1
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=12.4km s-min=6.0km az=172.0.
INMG Event type ke. Error ellipse: s-maj=5.2km s-min=3.4km az=42.0.
ISC II 27 04 10 18.8–1.3 33.31N–.03 6.07W–.03 21–5 48 1-6
MDD II 27 04 10 18.5–1.1 33.08N 6.01W 52–21 3.7b,2.9 ¶610345740
INMG II 27 04 10 19.0–1.0 33.29N 6.11W 10 1.9L,2.9
CNRM II 27 04 10 20.0 33.25N 6.19W 35 2.3L,2.9
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=7.8km s-min=5.6km az=162.0.
INMG Event type ke. Error ellipse: s-maj=3.1km s-min=2.3km az=29.0.
ISC II 27 04 48 23.7–1.3 32.24N–.04 6.25W–.03 30–14 142 1-10
MDD II 27 04 48 22.4–.77 32.24N 6.23W 0 4.1b,3.4 ¶610345741
CNRM II 27 04 48 22.3 32.19N 6.29W 16 3.6L,3.4
INMG II 27 04 48 22.6–1.1 32.19N 6.32W 10 2.9L,3.4
IGIL II 27 04 48 23.4 32.23N 6.28W 1 2.9L,3.4
SFS II 27 04 48 27.1 32.43N 6.23W 100 3.8L,3.8
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=6.0km s-min=5.0km az=177.0.
INMG Event type ke. Error ellipse: s-maj=6.0km s-min=3.6km az=41.0.
ISC III 06 23 20 51.7–1.3 33.84N–.03 5.92W–.04 34–3 42 1-6
CNRM III 06 23 20 49.6 33.77N 5.90W 0 2.9L ¶612756284
MDD III 06 23 20 52.1–.88 33.77N 5.85W 35–4 3.8b,3.1
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=8.6km s-min=4.6km az=50.0.
ISC III 08 13 56 56.2–2.9 32.8N–.10 7.62W–.09 10 50 1-7
IGIL III 08 13 56 49.8 32.24N 7.92W 2 2.4L ¶614971155
MDD III 08 13 56 50.0–1.2 32.13N 7.77W 68–22 3.8b
INMG III 08 13 56 50.8–1.7 32.20N 7.86W 31–16 2.4L
SFS III 08 13 56 51.4 32.41N 7.76W 1 3.7,3.6L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=12.1km s-min=9.1km az=76.0.
INMG Event type ke. Error ellipse: s-maj=11.8km s-min=8.8km az=77.0.
ISC III 17 13 25 35.8–2.4 32.2N–.10 7.8W–.20 10 19 5-7
MDD III 17 13 25 39.0–1.1 32.22N 7.88W 5–5 4.2b,3.6 ¶615223269
INMG III 17 13 25 40.7–.94 32.29N 7.84W 12–8 4.2b,3.6
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=8.6km s-min=5.2km az=127.0.
INMG Event type ke. Error ellipse: s-maj=6.5km s-min=4.9km az=19.0.
INMG III 27 12 31 43.6–1.4 33.33N 7.06W 13 2.3L
MDD III 27 12 31 29.2–1.5 32.27N 7.70W 7–6 4.0b,3.4 ¶615223342
IGIL III 27 12 31 30.2 32.25N 7.71W 10 2.5L,3.4
INMG Event type ke. Error ellipse: s-maj=11.5km s-min=5.5km az=110.0.
MDD Event type ke. Error ellipse: s-maj=11.0km s-min=8.9km az=54.0.
ISC IV 02 01 16 21.6–1.2 34.89N–.03 5.55W–.03 35 87 0-7
CNRM IV 02 01 16 22.1 34.68N 5.61W 26 2.0L ¶610660936
MDD IV 02 01 16 23.6–.79 34.96N 5.44W 27–12 2.6
INMG IV 02 01 16 25.3–1.2 35.12N 5.42W 23 2.0L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=9.0km s-min=3.6km az=173.0.
INMG Event type ke. Error ellipse: s-maj=4.8km s-min=3.3km az=10.0.
ISC IV 04 04 34 44.6–1.5 32.30N–.03 2.67W–.03 17–10 3.5b 85 1-71
IDC IV 04 04 34 40.4–1.5 32.08N 2.69W 0 3.4,3.4L ¶610651889
INMG IV 04 04 34 42.1–1.6 31.95N 2.51W 18 3.0L,3.4L
CNRM IV 04 04 34 43.7 32.23N 2.65W 0 3.0L,3.4L
ISC Event type ke.
IDC Error ellipse: s-maj=26.4km s-min=13.9km az=16.0.
INMG Event type ke. Error ellipse: s-maj=17.7km s-min=11.0km az=169.0.
ISC IV 08 13 51 05.4–1.1 32.25N–.03 5.98W–.03 15–9 166 1-11
CNRM IV 08 13 51 03.4 32.08N 5.97W 1 3.6L ¶616566822
IGIL IV 08 13 51 05.9 32.13N 6.08W 8 2.8L
INMG IV 08 13 51 06.2–2.1 32.29N 6.05W 7 2.8L
MDD IV 08 13 51 08.2–.80 32.24N 6.00W 30 4.2b,3.6
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=8.5km s-min=5.8km az=46.0.
MDD Event type ke. Error ellipse: s-maj=6.9km s-min=5.2km az=7.0.
ISC IV 20 13 02 29.0–3.3 32.6N–.20 7.51W–.08 10 54 1-7
MDD IV 20 13 02 23.0–1.2 32.30N 7.68W 0 4.2b,3.6 ¶610661044
INMG IV 20 13 02 26.3–1.4 32.36N 7.79W 16 2.5L,3.6
IGIL IV 20 13 02 27.1 32.47N 7.63W 1 2.5L,3.6
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=9.7km s-min=7.7km az=43.0.
INMG Event type ke. Error ellipse: s-maj=8.8km s-min=4.7km az=34.0.
MDD IV 28 14 02 47.8–1.5 32.33N 8.12W 0 4.1b,3.5
¶615223682
MDD Event type ke. Error ellipse: s-maj=11.8km s-min=9.4km az=3.0.
ISC VI 15 02 53 36.4–1.2 33.39N–.03 6.18W–.04 47–14 36 0-5
CNRM VI 15 02 53 36.3 33.21N 6.18W 26 ¶610933067
SFS VI 15 02 53 37.5 33.38N 6.15W 25 3.1L,3.1
INMG VI 15 02 53 37.4–1.2 33.41N 6.16W 38 2.0L,3.1
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=4.5km s-min=2.5km az=65.0.

(396) Northern Algeria.

ISC I 15 23 01 42.3–.94 36.98N–.06 3.47E–.05 12 77 0-11
CRAAG I 15 23 01 41.5 36.78N 3.51E 3.0L ¶610130677
MDD I 15 23 01 43.8–.87 36.81N 3.53E 13–13 4.3b,3.7
LDG I 15 23 01 44.6–.22 36.80N 3.56E 15 2.9L,3.7
CNRM I 15 23 01 50.1 36.86N 2.80E 29 2.9L,3.7
ISC Event type ke.
CRAAG Algerie 01km NW El-Karma.
MDD Event type ke. Error ellipse: s-maj=16.1km s-min=3.9km az=133.0.
LDG Event type ke. Error ellipse: s-maj=4.6km s-min=2.6km az=153.0.
ISC I 20 12 26 02.7–1.0 36.51N–.06 3.03E–.06 18 18 0-5
CRAAG I 20 12 26 02.1 36.51N 3.16E 3.2L ¶615222162
MDD I 20 12 26 05.1–1.3 36.64N 2.93E 0 4.0b,3.3
ISC Event type ke.
CRAAG Algerie 04km SW Souhane.
MDD Event type ke. Error ellipse: s-maj=10.8km s-min=5.5km az=125.0.
ISC I 22 09 45 37.8–2.0 36.22N–.09 1.5E–.20 17–11 13 0-4
CRAAG I 22 09 45 37.5 36.22N 1.57E 2.8L ¶615222182
MDD I 22 09 45 38.8–.79 36.31N 1.55E 0 4.1b,3.5
ISC Event type ke.
CRAAG Algerie 03km NE Oued-Fodda.
MDD Event type ke. Error ellipse: s-maj=11.6km s-min=4.3km az=15.0.
ISC I 29 02 19 00.2–1.4 34.98N–.07 5.88E–.07 10 33 1-11
CRAAG I 29 02 18 59.5 34.79N 6.28E 3.5L ¶610505723
LDG I 29 02 19 00.7–.31 34.74N 6.25E 10 3.1L
CNRM I 29 02 19 13.3 35.08N 5.00E 152 3.1L
ISC Event type ke.
CRAAG Algerie 05km SE M''ziraa.
LDG Event type ke. Error ellipse: s-maj=6.1km s-min=3.7km az=154.0.
ISC I 29 06 10 01.1–1.0 36.51N–.05 1.55E–.06 14 46 0-9
CRAAG I 29 06 09 59.2 36.62N 1.48E 3.1L ¶615222241
MDD I 29 06 10 02.5–.45 36.32N 1.63E 28–11 3.9b,3.2
ISC Event type ke.
CRAAG Algerie 12km NW Beni-Haoua.
MDD Event type ke. Error ellipse: s-maj=11.0km s-min=2.8km az=145.0.
ISC I 29 08 55 25.5–.40 36.17N–.05 4.51E–.03 10 4.4b 211 0-135
CRAAG I 29 08 55 23.6 36.14N 4.50E 4.0L ¶610148001
IDC I 29 08 55 24.0–.69 36.09N 4.51E 0 4.1,4.1b
MDD I 29 08 55 25.5–.58 35.91N 4.74E 16–10 4.4b,3.8
NEIC I 29 08 55 26.1–1.1 36.17N–.07 4.50E–.08 10–1 4.6b,3.8
LDG I 29 08 55 27.4–.29 36.07N 4.70E 10 3.6L,3.8
CNRM I 29 08 55 37.3 36.17N 3.68E 59 3.9L,3.8
ISC Event type ke.
CRAAG Algerie 05km E Mansoura.
IDC Error ellipse: s-maj=18.5km s-min=11.6km az=174.0.
MDD Event type ke. Error ellipse: s-maj=11.8km s-min=3.3km az=138.0.
NEIC Event type se. Error ellipse: s-maj=12.2km s-min=10.7km az=180.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
LDG Event type ke. Error ellipse: s-maj=6.2km s-min=3.1km az=148.0.
ISC I 30 01 04 08.2–.63 36.66N–.05 6.33E–.04 9 3.5b 95 0-70
IDC I 30 01 04 07.7–1.2 36.52N 6.34E 0 4.1L,3.4 ¶610148015
CRAAG I 30 01 04 08.0 36.60N 6.35E 3.3L,3.4
LDG I 30 01 04 11.5–.33 36.65N 6.38E 10 3.7L,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=22.5km s-min=19.0km az=13.0.
CRAAG Algerie 03km NE Hamala.
LDG Event type ke. Error ellipse: s-maj=7.2km s-min=4.0km az=140.0.
ISC II 01 00 15 47.2–1.3 36.51N–.06 1.58E–.07 14 28 0-5
CRAAG II 01 00 15 44.8 36.66N 1.57E 2.9L ¶615222266
MDD II 01 00 15 49.0–.73 36.38N 1.72E 44–10 3.4b,2.7
ISC Event type ke.

CRAAG Algerie 14km NE Beni-Haoua.
MDD Event type ke. Error ellipse: s-maj=6.4km s-min=3.7km az=139.0.
ISC II 01 01 59 52.9–1.0 36.48N–.04 3.03E–.05 18 41 0-7
CRAAG II 01 01 59 51.9 36.48N 3.09E 3.2L ¶614970972
MDD II 01 01 59 55.5–.79 36.47N 3.07E 22–18 3.7b,3.0
ISC Event type ke.
CRAAG Algerie 04km SE Hammam-Melouane.
MDD Event type ke. Error ellipse: s-maj=20.9km s-min=3.7km az=142.0.
ISC II 13 05 13 17.7–.99 36.67N–.05 5.29E–.06 10 17 0-6
CRAAG II 13 05 13 16.4 36.51N 5.30E 2.8L ¶615222318
MDD II 13 05 13 21.3–1.3 36.70N 5.44E 24–48 3.8b,3.1
ISC Event type ke.
CRAAG Algerie 03km NE Kherrata.
MDD Event type ke. Error ellipse: s-maj=50.9km s-min=9.7km az=133.0.
ISC II 17 14 29 11.0–1.4 34.6N–.10 6.57E–.08 10 7 1-57
IDC II 17 14 29 07.1–2.8 35.01N 5.76E 0 3.2,3.2b ¶610415702
CRAAG II 17 14 29 13.5 34.71N 6.30E 3.2L,3.2b
TUN II 17 14 29 21.9 35.03N 7.05E 29–9 3.3,3.2b
ISC Event type ke.
IDC Error ellipse: s-maj=76.0km s-min=27.9km az=133.0.
CRAAG Algerie 15km SW M''ziraa.
ISC Hypocentre not reviewed by the ISC.
ISC II 21 17 35 38.7–.85 35.68N–.07 5.69E–.04 14 3.8b 77 0-82
TUN II 21 17 35 33.9 35.73N 5.71E 10–1 4.7 ¶610272858
CRAAG II 21 17 35 34.4 35.49N 5.71E 3.6L
IDC II 21 17 35 40.0–2.8 35.33N 5.80E 37–27 4.0L,3.9
MDD II 21 17 35 40.5–.73 35.68N 5.66E 0 4.5b,3.9
LDG II 21 17 35 46.0–.66 35.80N 5.38E 5 3.2L,3.9
ISC Event type ke.
ISC Hypocentre not reviewed by the ISC.
CRAAG Algerie 12km SE N''Gaous.
IDC Error ellipse: s-maj=22.4km s-min=17.5km az=155.0.
MDD Event type ke. Error ellipse: s-maj=6.0km s-min=4.0km az=134.0.
LDG Event type ke. Error ellipse: s-maj=12.9km s-min=8.0km az=150.0.
ISC II 23 01 42 13.9–1.3 36.56N–.06 2.96E–.06 18 24 0-5
CRAAG II 23 01 42 12.7 36.47N 3.03E 2.2L ¶614971083
MDD II 23 01 42 17.8–1.1 36.61N 2.84E 24–38 3.7b,3.0
ISC Event type ke.
CRAAG Algerie 03km SW Hammam-Melouane.
MDD Event type ke. Error ellipse: s-maj=41.4km s-min=6.9km az=151.0.
ISC II 23 19 48 46.7–1.0 35.60N–.07 5.87E–.06 10 3.5b,2.7s 48 1-89
IDC II 23 19 48 44.5–1.2 35.62N 5.57E 0 3.6b,3.5 ¶610384895
CRAAG II 23 19 48 45.6 35.51N 5.64E 3.6L,3.5
MDD II 23 19 48 46.9–.42 35.34N 5.84E 0 4.3b,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=30.9km s-min=22.7km az=157.0.
CRAAG Algerie 06km SE N''Gaous.
MDD Event type ke. Error ellipse: s-maj=4.2km s-min=3.4km az=26.0.
ISC III 04 13 00 05.8–.80 36.86N–.04 6.46E–.06 10 34 0-24
LDG III 04 13 00 05.7–.25 36.58N 6.51E 10 3.6L ¶610330481
CRAAG III 04 13 00 09.3 36.65N 6.49E 3.0L
IDC III 04 13 00 10.0–1.9 36.24N 6.40E 0 3.7L,3.3
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=4.7km s-min=4.3km az=166.0.
CRAAG Algerie 06km SW Oum-Toub.
IDC Error ellipse: s-maj=31.8km s-min=31.0km az=23.0.
ISC III 04 13 04 16.1–.72 36.61N–.05 6.49E–.05 9 3.2b 39 0-71
IDC III 04 13 04 14.9–1.2 36.50N 6.47E 0 3.7L,3.4 ¶610330482
CRAAG III 04 13 04 16.0 36.58N 6.51E 3.0L,3.4
LDG III 04 13 04 16.5–.37 36.72N 6.28E 10 3.6L,3.4
TUN III 04 13 04 37.3 36.07N 8.36E 10 2.3,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=26.0km s-min=22.4km az=149.0.
CRAAG Algerie 13km SW Oum-Toub.
LDG Event type ke. Error ellipse: s-maj=7.2km s-min=5.5km az=166.0.
ISC Hypocentre not reviewed by the ISC.
ISC III 05 01 46 55.1–.75 36.60N–.03 6.71E–.03 9–4 4.6b,4.1s 564 0-133
CRAAG III 05 01 46 53.9 36.56N 6.76E 4.6L,4.1s ¶611831963
MOS III 05 01 46 53.9–1.3 36.58N 6.66E 13 4.8b,4.1s
IDC III 05 01 46 54.7–.50 36.57N 6.70E 0 4.2,4.2b
NEIC III 05 01 46 55.8–1.9 36.55N–.04 6.74E–.08 10–4 4.7b,4.2b
GCMT III 05 01 46 55.8–.60 36.59N–.03 6.70E–.04 14–2 4.8W,4.2b
MED_R III 05 01 46 56.0–.70 36.53N 6.69E 10 4.7W,4.2b
LDG III 05 01 46 56.5 36.42N 6.71E 30 4.7W,4.2b
CNRM III 05 01 46 59.7 36.47N 6.19E 0 4.7W,4.2b
TUN III 05 01 47 10.3 36.34N 7.95E 14–8 4.4,4.2b
ISC Event type ke.
CRAAG Algerie 04km SE Ain-Bouziane.
MOS Error ellipse: s-maj=6.2km s-min=3.2km az=62.8.
IDC Error ellipse: s-maj=12.6km s-min=10.3km az=160.0.
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=5.0km az=83.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s4,c4; s78,c96;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.00±.09 $M_{\theta\theta}$-0.95±.12; $M_{\phi\phi}$0.94±.13; $M_{r\theta}$-0.25±.21; $M_{\theta\phi}$-1.51±.09; $M_{\phi r}$-0.41±.23; Best double couple: NP1:ϕ_s16.00000°,δ86.00000°,λ-14.00000°. NP2: ϕ_s107.00000°,δ76.00000°,λ-176.00000°. Principal axes: T 1.8100,Plg8.0000°,Azm62.0000° ; N 0.0670,Plg75.0000°,Azm182.0000°; P -1.8780,Plg13.0000°,Azm330.0000° $M_0$1.84400×10^{16}
MED_R Error ellipse: s-maj=2.2km s-min=4.4km az=-1.0. nsta1 refers to body waves. nsta2 refers to surface waves, cutoff=35s. Moment Tensor Solution. Mantle waves: s19,c31;Duration: 1s1 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.31±.06 $M_{\theta\theta}$-0.18±.08; $M_{\phi\phi}$0.49±.05; $M_{r\theta}$-0.53±.20; $M_{\theta\phi}$-1.02±.04; $M_{\phi r}$0.23±.16; Best double couple: NP1:ϕ_s102.00000°,δ85.00000°,λ-150.00000°. NP2:ϕ_s9.00000°,δ60.00000°,λ-6.00000°. Principal axes: T 1.3800,Plg17.0000° ,Azm232.0000°; N -0.3300,Plg60.0000°,Azm111.0000°; P -1.0500,Plg25.0000° ,Azm330.0000° $M_0$1.21000×10^{16}
LDG Event type ke.
ISC Hypocentre not reviewed by the ISC.
ISC III 15 11 42 10.8–.72 36.62N–.05 6.78E–.04 12 3.6b 46 0-132
IDC III 15 11 42 09.3–1.2 36.56N 6.90E 0 3.6,3.5b ¶610477865
CRAAG III 15 11 42 10.3 36.58N 6.80E 3.6L,3.5b
LDG III 15 11 42 14.1–.12 36.60N 6.92E 10 3.4L,3.5b
TUN III 15 11 42 18.8 36.54N 7.65E 27–7 3.8,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=26.7km s-min=17.2km az=23.0.
CRAAG Algerie 05km SE Ain-Bouziane.
LDG Event type ke. Error ellipse: s-maj=3.6km s-min=1.6km az=43.0.
ISC Hypocentre not reviewed by the ISC.
ISC III 25 00 34 43.8–1.3 35.99N–.04 0.68W–.05 15–12 56 0-5
CNRM III 25 00 34 45.3 36.01N 0.72W 30 2.5L ¶612756411
MDD III 25 00 34 47.1–.98 36.17N 0.70W 0 2.5
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=7.6km s-min=4.5km az=149.0.
ISC III 30 01 41 09.0–.78 36.66N–.05 5.40E–.04 19 77 0-70
CRAAG III 30 01 41 06.6 36.48N 5.33E 3.2L ¶610537527
MDD III 30 01 41 09.0–.61 36.60N 5.43E 2–7 4.1b,3.4
IDC III 30 01 41 08.3–2.7 37.02N 5.62E 0 3.3b,3.2
LDG III 30 01 41 11.3–.17 36.64N 5.43E 10 3.0L,3.2
TUN III 30 01 41 26.5 36.43N 7.03E 40 3.5,3.2
ISC Event type ke.
CRAAG Algerie 04km SE Kherrata.
MDD Event type ke. Error ellipse: s-maj=8.1km s-min=3.0km az=147.0.
IDC Error ellipse: s-maj=85.1km s-min=24.6km az=24.0.
LDG Event type ke. Error ellipse: s-maj=4.0km s-min=2.7km az=167.0.
ISC Hypocentre not reviewed by the ISC.
ISC IV 01 15 17 24.2–1.7 35.60N–.04 0.12W–.05 19–6 93 0-7
CNRM IV 01 15 17 23.7 35.67N 0.39W 0 3.1L ¶612756490
CRAAG IV 01 15 17 23.9 35.55N 0.00E 3.2L
MDD IV 01 15 17 25.1–.56 35.50N 0.06W 20–7 4.0b,3.4
ISC Event type ke.
CRAAG Algerie 07km SW Mohammadia.
MDD Event type ke. Error ellipse: s-maj=8.3km s-min=2.7km az=158.0.
ISC IV 03 02 11 16.6–1.5 36.12N–.05 1.84E–.06 10 65 0-7
CNRM IV 03 02 10 59.4 37.08N 3.45E 70 3.1L ¶612756501
CRAAG IV 03 02 11 16.7 36.12N 1.89E 2.9L
MDD IV 03 02 11 18.4–.72 36.07N 1.87E 6–7 3.8b,3.1
ISC Event type ke.
CRAAG Algerie 03km NE El-Aioun.
MDD Event type ke. Error ellipse: s-maj=10.1km s-min=4.0km az=129.0.
ISC IV 05 08 33 24.4–1.1 36.59N–.06 1.55E–.05 14 20 0-5
CRAAG IV 05 08 33 24.6 36.49N 1.60E 2.9L ¶615223432
MDD IV 05 08 33 26.1–.92 36.59N 1.63E 14–15 3.8b,3.1
ISC Event type ke.
CRAAG Algerie 05km SE Beni-Haoua.
MDD Event type ke. Error ellipse: s-maj=12.0km s-min=4.6km az=161.0.
ISC IV 16 02 37 54.4–.94 33.55N–.05 1.64E–.06 10 56 2-72
CNRM IV 16 02 37 21.4 33.87N 4.59E 16 4.2L ¶610652842
IDC IV 16 02 37 52.6–1.3 33.47N 1.67E 0 3.2b,3.1
MDD IV 16 02 37 53.2–.90 33.42N 1.73E 4–18 4.1b,3.5
CRAAG IV 16 02 37 53.1 33.56N 1.68E 3.8L,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=26.6km s-min=15.8km az=164.0.
MDD Event type ke. Error ellipse: s-maj=22.6km s-min=6.7km az=147.0.
CRAAG Algerie 40km SW Brida.
ISC IV 23 01 08 37.5–3.2 35.6N–.10 0.41E–.05 24–27 37 1-5
MDD IV 23 01 08 37.1–1.2 35.38N 0.50E 20–27 3.9b,3.2 ¶614953240
CRAAG IV 23 01 08 38.8 35.67N 0.62E 2.6L,3.2
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=32.6km s-min=7.3km az=149.0.
CRAAG Algerie 09km SE Relizane.
MDD IV 30 10 38 59.4–1.9 35.73N 0.81W 0 2.3
CNRM IV 30 10 38 57.1 35.94N 1.51W 87 2.3L ¶612756725
MDD Event type ke. Error ellipse: s-maj=15.9km s-min=9.2km az=136.0.
ISC V 01 22 28 35.6–1.2 36.24N–.05 3.39E–.05 11–10 26 0-5
CRAAG V 01 22 28 34.6 36.23N 3.33E 2.7L ¶614953273
MDD V 01 22 28 37.0–1.8 36.22N 3.36E 0 4.1b,3.4
ISC Event type se.
CRAAG Algerie 02km NE Beni-Slimane.
MDD Event type se. Error ellipse: s-maj=18.9km s-min=7.5km az=151.0.
ISC V 12 02 07 22.1–.86 36.65N–.04 5.27E–.02 10 68 0-8
CRAAG V 12 02 07 19.1 36.72N 5.35E 3.4L ¶610654262
MDD V 12 02 07 26.2–.58 36.74N 5.25E 0 4.4b,3.8
LDG V 12 02 07 27.0–.20 36.78N 5.41E 10 3.1L,3.8
ISC Event type ke.
CRAAG Algerie 08km NW Melbou.
MDD Event type ke. Error ellipse: s-maj=5.0km s-min=3.9km az=128.0.
LDG Event type ke. Error ellipse: s-maj=4.4km s-min=3.1km az=178.0.
ISC V 30 04 02 36.4–1.3 35.80N–.03 1.75W–.02 17–10 3.6b 282 1-61
IDC V 30 04 02 33.9–1.1 35.77N 1.80W 0 4.0L,3.7 ¶610670806
CNRM V 30 04 02 35.6 35.79N 1.77W 9 4.0L,3.7
IGIL V 30 04 02 37.6 35.76N 1.75W 7 3.5L,3.7
LDG V 30 04 02 37.1–.27 35.72N 1.66W 10 3.5L,3.7
MDD V 30 04 02 38.1–.35 35.76N 1.75W 15–3 3.7,3.7
INMG V 30 04 02 38.0–1.8 35.82N 1.79W 13–4 3.4L,3.7
CRAAG V 30 04 02 51.3 35.78N 0.38W 3.8L,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=29.8km s-min=14.9km az=115.0.
LDG Event type ke. Error ellipse: s-maj=6.1km s-min=2.7km az=155.0.
MDD Event type ke. Error ellipse: s-maj=3.8km s-min=1.7km az=154.0.
INMG Event type ke. Error ellipse: s-maj=3.8km s-min=3.1km az=145.0.
CRAAG Algerie 05km NE Gdyel.
ISC V 30 04 25 32.8–1.5 35.77N–.03 1.72W–.05 16–11 55 1-5
MDD V 30 04 25 33.6–.78 35.83N 1.66W 0 2.1 ¶612756936
CNRM V 30 04 25 36.1 35.63N 1.96W 88 2.5L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=6.6km s-min=5.3km az=151.0.
ISC V 30 05 20 57.0–1.4 35.80N–.03 1.73W–.05 8–10 48 1-5
MDD V 30 05 20 59.8–.77 35.68N 1.66W 23 2.7 ¶612756937
CNRM V 30 05 21 00.8 35.82N 2.02W 70 2.3L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=6.9km s-min=4.2km az=160.0.
CRAAG V 30 09 03 44.1 36.38N 7.50E 3.1L
TUN V 30 09 03 54.6 36.50N 8.49E 10 2.6 ¶615434668
CRAAG Algerie 03km NW Khizarra.
ISC V 30 18 48 27.9–.36 34.91N–.03 6.21E–.03 10 4.2b,3.4s 255 1-143
NEIC V 30 18 48 28.4–1.8 34.82N–.07 6.25E–.06 10–4 4.3b,3.4s ¶610656906
TUN V 30 18 48 29.3 34.92N 6.10E 5–5 4.8,3.4s
LDG V 30 18 48 31.9–.25 34.82N 5.85E 10 3.9L,3.4s
CRAAG V 30 18 48 32.1 34.83N 6.25E 4.0L,3.4s
IDC V 30 18 48 32.9–1.3 34.85N 6.19E 46–13 4.0L,3.9
CNRM V 30 18 48 50.0 34.93N 4.30E 0 4.0L,3.9
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=7.3km az=177.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
LDG Event type ke. Error ellipse: s-maj=5.4km s-min=3.2km az=132.0.
CRAAG Algerie 03km SW M''ziraa.
IDC Error ellipse: s-maj=14.2km s-min=9.4km az=155.0.
ISC VI 01 17 24 26.4–1.5 35.77N–.02 1.70W–.04 17–11 64 1-5
CNRM VI 01 17 24 26.7 35.68N 1.75W 8 2.5L ¶612756958
MDD VI 01 17 24 28.4–.39 35.72N 1.71W 18 2.5
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=3.4km s-min=3.0km az=161.0.
ISC VI 01 22 50 34.7–1.4 35.79N–.02 1.80W–.05 8–11 57 1-5
CNRM VI 01 22 50 33.6 35.90N 1.60W 63 2.6L ¶612756962
MDD VI 01 22 50 35.9–.88 35.80N 1.67W 0 2.1
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=7.5km s-min=5.2km az=146.0.
ISC VI 01 23 29 02.1–1.2 35.80N–.02 1.75W–.02 8–9 3.4b 257 1-61
CNRM VI 01 23 29 01.5 35.86N 1.74W 17 3.4b ¶610670839
IDC VI 01 23 29 02.2–1.3 35.87N 1.80W 0 3.5,3.5L
CRAAG VI 01 23 29 03.7 35.66N 1.68E 3.8L,3.5L
LDG VI 01 23 29 04.0–.23 35.82N 1.76W 30 3.1L,3.5L
MDD VI 01 23 29 04.0–.36 35.66N 1.72W 15–4 3.3,3.5L
IGIL VI 01 23 29 04.7 35.66N 1.72W 15 3.3,3.5L
INMG VI 01 23 29 04.8–1.2 35.72N 1.79W 16–5 3.0L,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=31.0km s-min=19.6km az=94.0.
CRAAG Algerie 09km NE Messouket.
LDG Event type ke. Error ellipse: s-maj=5.2km s-min=2.8km az=153.0.
MDD Event type ke. Error ellipse: s-maj=3.5km s-min=1.6km az=156.0.
INMG Event type ke. Error ellipse: s-maj=4.2km s-min=2.6km az=147.0.
MDD VI 02 02 30 07.0–1.6 35.89N 1.49W 30–1 2.1
CNRM VI 02 02 30 10.4 35.55N 2.21W 99 2.1 ¶612756969
MDD Event type ke. Error ellipse: s-maj=18.0km s-min=8.6km az=0.0.
ISC VI 02 03 18 15.3–1.4 35.76N–.03 1.71W–.03 29–14 103 1-7
CNRM VI 02 03 18 15.2 35.79N 1.72W 34 ¶610932999
INMG VI 02 03 18 17.3–1.4 35.81N 1.81W 16–6 2.1L
MDD VI 02 03 18 17.1–.31 35.69N 1.68W 36–4 2.6
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=5.1km s-min=3.1km az=114.0.
MDD Event type ke. Error ellipse: s-maj=3.0km s-min=2.4km az=160.0.
ISC VI 03 23 50 43.4–.88 36.80N–.04 5.05E–.03 10 56 0-8
CRAAG VI 03 23 50 43.8 36.73N 5.00E 3.3L ¶614953390
MDD VI 03 23 50 44.7–.80 36.73N 5.23E 19–10 3.9b,3.2
CNRM VI 03 23 52 03.5 34.15N 1.57W 43 3.9b,3.2
ISC Event type ke.
CRAAG Algerie 06km SW Bejaia.
MDD Event type ke. Error ellipse: s-maj=11.7km s-min=3.7km az=133.0.
ISC VI 08 13 40 41.3–1.2 36.30N–.08 3.04E–.04 12–12 30 0-5
CRAAG VI 08 13 40 40.4 36.27N 3.04E 3.0L ¶614953399

MDD VI 08 13 40 42.8–1.2 36.37N 3.01E 1–8 4.0b,3.4
ISC Event type ke.
CRAAG Algerie 02km SE El-Omaria.
MDD Event type ke. Error ellipse: s-maj=13.1km s-min=5.4km az=145.0.
ISC VI 13 21 29 41.0–1.3 35.90N–.04 0.67W–.04 14–10 159 0-10
CRAAG VI 13 21 29 39.2 35.91N 0.54W 3.7L ¶610697491
MDD VI 13 21 29 41.4–.30 35.85N 0.76W 0 3.1
INMG VI 13 21 29 41.8–1.1 35.74N 0.63W 26 2.4L
LDG VI 13 21 29 42.5–.40 35.75N 0.79W 10 3.1L
CNRM VI 13 21 29 42.4 36.06N 0.80W 66 3.1L
ISC Event type ke.
CRAAG Algerie 16km NW Gdyel.
MDD Event type ke. Error ellipse: s-maj=2.8km s-min=2.0km az=142.0.
INMG Event type ke. Error ellipse: s-maj=4.3km s-min=2.3km az=143.0.
LDG Event type ke. Error ellipse: s-maj=9.1km s-min=3.9km az=159.0.
ISC VI 15 19 23 52.7–.51 34.68N–.04 6.81E–.04 10 3.9b,3.6s 133 1-133
NAO VI 15 19 23 25.1 31.50N 4.59E 33 4.1b,3.6s ¶610675382
IDC VI 15 19 23 50.3–.75 34.65N 6.78E 0 3.9,3.9b
CRAAG VI 15 19 23 53.1 34.62N 6.89E 4.0L,3.9b
BGR VI 15 19 23 54.6 35.05N 6.75E 33 2.8s,3.9b
LDG VI 15 19 23 55.1–.28 34.52N 6.91E 10 3.7L,3.9b
CNRM VI 15 19 23 59.5 34.62N 6.59E 40 3.7L,3.9b
ISC Event type ke.
IDC Error ellipse: s-maj=18.0km s-min=12.9km az=146.0.
CRAAG Algerie 26km SE Khenguet-Sidi-Nadji.
BGR Event type ke.
LDG Event type ke. Error ellipse: s-maj=6.3km s-min=4.5km az=168.0.
ISC VI 16 14 15 19.5–2.9 36.0N–.20 0.98W–.05 10 9 0-4
CRAAG VI 16 14 15 25.1 35.74N 0.66W 2.6L ¶612757086
CNRM VI 16 14 15 41.8 35.07N 2.46W 60 2.6L
ISC Event type ke.
CRAAG Algerie 05km NW Oran.
ISC VI 25 13 55 41.0–1.4 35.80N–.03 1.73W–.04 13–11 94 1-8
CNRM VI 25 13 55 40.5 35.87N 1.83W 12 3.2L ¶610933117
MDD VI 25 13 55 41.2–.55 35.80N 1.72W 0–3 2.7
INMG VI 25 13 55 43.0–1.4 35.68N 1.62W 66–7 2.4L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=4.0km s-min=3.0km az=153.0.
INMG Event type ke. Error ellipse: s-maj=5.0km s-min=3.6km az=120.0.
ISC VI 26 21 32 03.8–.91 36.62N–.05 6.67E–.04 10 32 0-9
CRAAG VI 26 21 32 04.0 36.57N 6.77E 2.9L ¶610780067
LDG VI 26 21 32 09.1–.18 36.71N 6.87E 10 3.2L
TUN VI 26 21 32 25.1 36.47N 8.60E 17 3.2
ISC Event type ke.
CRAAG Algerie 04km SE Ain-Bouziane.
LDG Event type ke. Error ellipse: s-maj=3.5km s-min=2.3km az=159.0.
ISC VI 27 05 41 00.3–.75 36.57N–.04 3.46E–.03 18 117 0-57
IDC VI 27 05 40 58.6–1.6 36.48N 3.51E 0 3.7L,3.4 ¶610780072
CRAAG VI 27 05 40 58.6 36.51N 3.46E 3.6L,3.4
MDD VI 27 05 41 01.4–.38 36.59N 3.47E 0 4.3b,3.7
CNRM VI 27 05 41 02.7 36.51N 2.98E 0 3.4L,3.7
LDG VI 27 05 41 02.2–.31 36.59N 3.59E 10 3.3L,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=35.2km s-min=21.6km az=161.0.
CRAAG Algerie 04km SE Guerrouma.
MDD Event type ke. Error ellipse: s-maj=3.3km s-min=2.2km az=147.0.
LDG Event type ke. Error ellipse: s-maj=6.3km s-min=3.3km az=154.0.
ISC VI 30 17 55 35.3–1.3 36.65N–.06 2.22E–.04 13–11 42 0-7
CRAAG VI 30 17 55 36.6 36.50N 2.27E 3.0L ¶614953459
MDD VI 30 17 55 36.9–.58 36.60N 2.25E 10–11 4.1b,3.4
ISC Event type ke.
CRAAG Algerie 03km NE Menaceur.
MDD Event type ke. Error ellipse: s-maj=15.1km s-min=3.3km az=145.0.

(397) Tunisia.

IDC II 27 06 07 23.8–2.0 33.22N 10.03E 0 3.5s,3.0
CRAAG II 27 06 07 25.1 34.97N 6.29E 3.3L,3.0 ¶615432854
IDC Error ellipse: s-maj=46.8km s-min=25.7km az=95.0.
CRAAG Algerie 15km NE M''ziraa.
ISC IV 30 16 35 07.3–.00 34.52N–.07 8.3E–.10 10 3.5b 11 1-84
TUN IV 30 16 35 04.5 34.61N 8.36E 7–1 3.7 ¶610650432
IDC IV 30 16 35 06.1–1.3 34.55N 8.05E 0 3.5,3.4b
ISC Event type ke.
IDC Error ellipse: s-maj=38.6km s-min=14.4km az=132.0.
ISC IV 30 21 45 22.6–.69 34.25N–.05 8.38E–.05 10 3.8b 24 1-73
IDC IV 30 21 45 21.4–1.1 34.28N 8.36E 0 3.7b,3.6 ¶610650452
TUN IV 30 21 45 23.5 34.35N 8.40E 10–2 3.9,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=26.3km s-min=12.6km az=132.0.
ISC V 04 08 26 56.3–.51 33.66N–.05 11.25E–.05 10 4.2b,3.8s 85 1-95
IDC V 04 08 26 53.5–.87 33.76N 11.45E 0 3.8b,3.7s ¶610594004
CRAAG V 04 08 26 58.7 33.50N 11.29E 4.3b,3.7s
MED_R V 04 08 26 58.0–.80 33.54N 11.38E 10 4.5W,3.7s
NEIC V 04 08 26 58.7–2.5 33.60N–.07 11.21E–.07 10–1 4.4b,3.7s
LDG V 04 08 26 58.7–.39 33.31N 11.38E 15 3.6L,3.7s
TUN V 04 08 27 01.5 33.65N 11.15E 18–4 4.6,3.7s
ISC Event type ke.
IDC Error ellipse: s-maj=16.8km s-min=14.8km az=54.0.
CRAAG Tunisie.
MED_R Error ellipse: s-maj=4.4km s-min=3.3km az=-1.0. nsta1 refers to body waves. nsta2 refers to surface waves, cutoff=35s. Moment Tensor Solution. Mantle waves: s17,c24;Duration: 1ş0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.77±.03 $M_{\theta\theta}$0.14±.03; $M_{\phi\phi}$0.63±.03; $M_{r\theta}$0.03±.14; $M_{\theta\phi}$-0.28±.02; $M_{\phi r}$0.26±.13; Best double couple: NP1:ϕ_s165.00000°,δ54.00000°,λ-79.00000°. NP2:ϕ_s327.00000°,δ38.00000°,λ-104.00000°. Principal axes: T 0.7900,Plg8.0000° ,Azm247.0000°; N 0.0300,Plg9.0000°,Azm339.0000°; P -0.8200,Plg78.0000°,Azm114.0000° $M_0$0.81000×10^{16}
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=9.2km az=194.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
LDG Event type ke. Error ellipse: s-maj=9.5km s-min=6.9km az=3.0.

(398) Sicily.

ISC I 17 21 20 37.5–.83 38.06N–.02 14.72E–.02 11–5 114 0-7
ROM I 17 21 20 37.5–.12 38.062N–.01 14.723E–.01 6–0 3.4L ¶610099181
BEO I 17 21 20 38.6–.90 38.24N 14.48E 0 3.5L
ISC Event type ke.
ROM Event type se. Error ellipse: s-maj=0.6km s-min=0.3km az=295.0. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
BEO Event type ke.
ROM I 18 16 54 30.6–.11 38.522N–.01 14.722E–.01 21–1 2.6L
¶610100896
ROM Event type se. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC I 20 09 31 00.6–.86 38.40N–.05 14.93E–.05 185–6 3.6b 111 0-72
BEO I 20 09 30 59.2–.70 38.29N 15.08E 0 3.6L ¶610102497
ROM I 20 09 30 59.5–.16 38.41N–.01 14.89E–.01 191–1 3.4L
IDC I 20 09 31 00.9–1.1 38.76N 15.05E 162–27 3.5,3.1b
ISC Event type ke.
BEO Event type ke.
ROM Event type se. Error ellipse: s-maj=1.5km s-min=0.6km az=135.0. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
IDC Error ellipse: s-maj=37.8km s-min=27.3km az=26.0.
ROM I 25 03 11 14.4–.19 38.412N–.01 15.445E–.01 81–1 2.2L
¶614381040
ROM Event type se. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 26 16 11 40.8–.11 38.033N–.01 14.709E–.01 9–0 1.4L
¶614381607
ROM Event type se. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC I 29 11 20 24.1–.72 37.80N–.03 14.10E–.02 15–4 3.3b 92 0-72
IDC I 29 11 20 23.4–.91 37.93N 13.98E 0 3.5,3.5b ¶610147583
ROM I 29 11 20 24.3–.10 37.815N–.01 14.084E–.01 9–0 3.5L,3.5b
LDG I 29 11 20 24.1–.15 37.80N 14.12E 7 2.8L,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=20.7km s-min=10.3km az=73.0.
ROM Event type se. Error ellipse: s-maj=0.7km s-min=0.7km az=296.0. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
LDG Event type ke. Error ellipse: s-maj=4.8km s-min=3.4km az=19.0.
ROM I 30 07 18 06.3–.13 37.660N–.01 14.97E–.01 16–1 1.4L
¶616063936
ROM Event type se. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 30 07 18 32.3–.20 37.667N–.01 14.98E–.02 16–2 1.1L
¶616063937
ROM Event type se. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 30 07 18 43.7–.08 37.673N–.00 14.984E–.01 16–0 2.8L
¶616063938
ROM Event type se. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 30 07 19 06.7–.19 37.678N–.01 14.96E–.01 16–1 2.2L
¶610147730
ROM Event type se. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC I 30 08 15 33.1–.84 37.67N–.02 14.98E–.02 18–3 81 0-8
BEO I 30 08 15 31.6–1.1 37.72N 14.78E 0 3.8L ¶610147732
ROM I 30 08 15 33.2–.08 37.671N–.00 14.994E–.01 18–1 3.4L
ISC Event type ke.
BEO Event type ke.
ROM Event type se. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 30 08 53 47.2–.23 37.660N–.01 14.96E–.02 16–2 1.5L
¶614383795
ROM Event type se. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC I 30 09 51 07.2–.83 37.68N–.02 14.99E–.02 18–2 3.9b 115 0-99
IDC I 30 09 51 04.5–1.4 37.64N 15.25E 0 3.7b,3.6 ¶610147758
BEO I 30 09 51 06.7–1.2 37.98N 14.41E 0 3.9L,3.6
ROM I 30 09 51 07.7–.08 37.674N–.00 14.989E–.01 19–1 3.6L,3.6
ISC Event type ke.
BEO Event type ke.
ROM Event type se. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 30 09 53 50.7–.09 37.658N–.00 14.984E–.01 14–1 2.6L
¶610147759
ROM Event type se. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM I 30 09 54 47.2–.10 37.663N–.01 14.996E–.01 16–1 3.0L
¶616063939
ROM Event type se. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM II 10 10 01 35.4–.36 37.81N–.02 15.60E–.01 11 1.5L
¶614387420
ROM Event type se. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM II 16 20 18 36.1–.12 38.695N–.01 15.465E–.01 8–1 1.7L,1.6
¶614388924
ROM Event type se. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC II 27 06 20 16.4–.80 38.39N–.02 14.78E–.02 18–4 4.2b 203 0-86
MED_R II 27 06 20 00.0–3.0 38.42N 14.83E 10 3.9W ¶610241547
IDC II 27 06 20 15.2–.79 38.57N 14.75E 0 3.9,3.9b
ROM II 27 06 20 15.8–.07 38.399N–.01 14.773E–.01 22–0 3.7L,3.7W
NEIC II 27 06 20 17.3–1.8 38.51N–.06 14.98E–.05 10–2 4.3b,3.7W
LDG II 27 06 20 17.8–.67 38.40N 14.94E 12 3.2L,3.7W
ISC Event type ke.
MED_R Error ellipse: s-maj=12.2km s-min=13.3km az=-1.0. nsta1 refers to body waves. nsta2 refers to surface waves, cutoff=35s. Moment Tensor Solution. Mantle waves: s6,c6;Duration: 1ş0 Moment tensor: Scale 10^{15}Nm; M_{rr}-0.13±.12 $M_{\theta\theta}$0.92±.10; $M_{\phi\phi}$-0.79±.13; $M_{r\theta}$0.07±.42; $M_{\theta\phi}$0.17±.12; $M_{\phi r}$-0.20±.43; Best double couple: NP1:ϕ_s308.00000°,δ81.00000°,λ-13.00000°. NP2:ϕ_s40.00000°,δ77.00000°,λ-171.00000°. Principal axes: T 0.9400,Plg3.0000° ,Azm355.0000°; N -0.0800,Plg74.0000°,Azm96.0000°; P -0.8600,Plg15.0000° ,Azm264.0000° $M_0$0.90000×10^{15}
IDC Error ellipse: s-maj=21.8km s-min=9.4km az=112.0.
ROM Event type se. Error ellipse: s-maj=0.5km s-min=0.3km az=359.0. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}-0.15 $M_{\theta\theta}$-4.56 $M_{\phi\phi}$4.72 $M_{r\theta}$1.17 $M_{\theta\phi}$0.10 $M_{\phi r}$-1.17 NP1: ϕ_s226.00000°,δ70.00000°,λ-1.00000°. NP2:ϕ_s316.00000°,δ89.00000°,λ-160.00000°. $M_0$4.92853×10^{14}
NEIC Event type se. Error ellipse: s-maj=11.4km s-min=6.2km az=199.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
LDG Event type ke. Error ellipse: s-maj=34.2km s-min=11.9km az=37.0.
ROM II 27 06 27 33.9–.03 38.378N–.00 14.774E–.01 11 1.8L
¶614391010
ROM Event type se. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 16 09 55 02.0–.13 37.834N–.01 15.176E–.01 17–2 2.3L
¶616602636
ROM Event type se. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 16 09 55 55.5–.20 37.857N–.01 15.16E–.01 16–1 1.7L
¶610329924
ROM Event type se. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 25 21 57 06.3–.10 37.768N–.00 15.100E–.01 10–0 1.8L
¶610435101
ROM Event type se. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC III 26 06 11 33.5–1.1 38.67N–.04 12.98E–.04 23–8 3.7b 51 0-71
ROM III 26 06 11 33.1–.19 38.69N–.01 13.00E–.02 27–1 3.4L ¶610435149
IDC III 26 06 11 41.9–1.6 37.69N 12.88E 0 3.5,3.5b
ISC Event type se.
ROM Event type se. Error ellipse: s-maj=1.6km s-min=1.1km az=274.0. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
IDC Error ellipse: s-maj=35.4km s-min=20.9km az=10.0.
ISC IV 14 21 10 48.3–.84 38.92N–.05 14.58E–.06 293–7 3.1b 66 0-49
ROM IV 14 21 10 46.7–.29 38.70N–.02 14.72E–.02 307–2 2.9L ¶610528184

IDC IV 14 21 10 55.5–8.3 39.14N 14.61E 360–43 3.3,2.7b
ISC Event type se.
ROM Event type se. Error ellipse: s-maj=2.7km s-min=1.1km az=141.0. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
IDC Error ellipse: s-maj=115.7km s-min=44.1km az=30.0.
ROM IV 20 20 36 20.2–.18 38.538N–.01 14.304E–.01 14–1 2.1L ¶610546556
ROM Event type se. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IV 23 05 31 07.1–.20 37.458N–.01 14.76E–.02 19–2 1.6L ¶610547548
ROM Event type se. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IV 23 05 32 01.5–.16 37.466N–.01 14.75E–.01 20–2 2.3L ¶617174832
ROM Event type se. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM V 06 23 40 26.2–.11 37.690N–.01 14.913E–.01 22–1 2.1L ¶617232483
ROM Event type se. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM V 06 23 40 59.7–.19 37.692N–.01 14.84E–.01 24–1 1.9L ¶610617738
ROM Event type se. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM V 27 20 00 00.7–.38 37.910N–.01 15.06E–.01 16–3 1.4 ¶616385560
ROM Event type se. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC VI 08 22 31 21.7–.98 38.9N–.10 14.7E–.10 300 3.5b 14 1-49
IDC VI 08 22 31 20.9–1.2 38.68N 14.49E 319–16 3.6,2.9b **¶610791486**
ISC Event type ke.
IDC Error ellipse: s-maj=41.7km s-min=15.6km az=45.0.
ROM VI 23 20 36 41.0–.09 37.670N–.00 15.095E–.01 5–0 2.0L ¶617481168
ROM Event type se. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM VI 23 20 36 55.7–.13 37.680N–.01 15.08E–.01 7–0 2.4L ¶610694331
ROM Event type se. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM VI 30 13 24 40.9–.09 38.083N–.01 15.110E–.01 38–1 2.2L ¶610728748
ROM Event type se. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.

(399) Ionian Sea.

ISC I 01 05 27 04.4–1.1 37.17N–.04 20.97E–.03 18–5 3.7b 113 1-68
IDC I 01 05 27 02.6–1.2 37.33N 21.09E 0 3.8b,3.6 **¶610236356**
ATH I 01 05 27 03.7 37.13N 20.93E 5–1 3.5L,3.6
THE I 01 05 27 04.3 37.17N 20.96E 0–1 3.4L,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=22.3km s-min=16.0km az=161.0.
ATH Event type ke. Error ellipse: s-maj=2.1km s-min=0.9km az=44.0.
THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.4km az=216.0.
ISC I 02 01 16 55.3–.88 37.97N–.02 20.93E–.02 20–3 3.5b 136 0-46
ATH I 02 01 16 54.6 37.98N 20.96E 11–1 3.3L **¶610236431**
THE I 02 01 16 55.2 37.98N 20.94E 17–0 3.4L
IDC I 02 01 16 57.6–6.0 37.94N 20.98E 33–53 3.4,3.3b
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.8km s-min=0.8km az=256.0.
THE Event type ke. Error ellipse: s-maj=1.0km s-min=0.3km az=236.0.
IDC Error ellipse: s-maj=34.6km s-min=20.0km az=153.0.
ISC I 26 04 05 10.4–1.1 37.23N–.04 16.05E–.04 10 69 1-8
ROM I 26 04 05 12.7–.21 37.239N–.01 15.96E–.01 24–1 3.3L **¶610123274**
BEO I 26 04 05 16.8–.90 37.77N 16.29E 0 3.7L
ISC Event type ke.
ROM Event type se. Error ellipse: s-maj=1.0km s-min=1.0km az=299.0. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
BEO Event type ke.
ISC II 01 14 49 23.2–.75 37.19N–.06 17.34E–.06 59–30 50 1-16
GII II 01 14 49 21.5–.73 37.12N 17.24E 40 **¶610169729**
BEO II 01 14 49 21.0–3.7 36.93N 16.93E 72–5 3.8L
ROM II 01 14 49 23.4–.10 37.05N 17.27E 38 3.5L
ISC Event type ke.
GII Event type ke.
BEO Event type ke.
ROM Event type se. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC II 28 22 01 59.2–1.0 37.86N–.02 20.04E–.02 12–6 4.3b,3.4s 546 0-97
IDC II 28 22 01 56.7–.75 37.89N 20.05E 0 4.1b,3.9 **¶610242066**
MOS II 28 22 01 59.0–1.1 37.83N 19.95E 22 4.3b,3.9
MED_R II 28 22 02 00.0–.50 37.92N 20.08E 18–4 4.2W,3.9
THE II 28 22 02 00.1 37.86N 20.08E 0–1 4.2L,3.9
PDG II 28 22 02 00.9–.68 37.94N 20.11E 17–1 4.4L,3.9
NEIC II 28 22 02 01.0–2.5 37.91N–.06 20.14E–.06 10–1 4.3b,3.9
ATH II 28 22 02 01.4 37.90N 20.15E 7 4.1W,3.9
GII II 28 22 02 04.6–.00 38.29N 21.24E 10 4.1W,3.9
ISC Event type ke.
IDC Error ellipse: s-maj=15.6km s-min=11.6km az=169.0.
MOS Error ellipse: s-maj=6.9km s-min=3.9km az=74.9.
MED_R nsta1 refers to body waves. nsta2 refers to surface waves, cutoff=30s. Moment Tensor Solution. Mantle waves: s8,c12;Duration: 1s0 Moment tensor: Scale 10^{15}Nm; M_{rr}0.39±.37 $M_{\theta\theta}$1.99±.41; $M_{\phi\phi}$-2.38±.38; $M_{r\theta}$-0.07±.33; $M_{\theta\phi}$0.86±.22; $M_{\phi r}$0.41±.57; Best double couple: NP1:ϕ_s215.00000°,δ85.00000°,λ-174.00000°. NP2:ϕ_s124.00000°,δ84.00000°,λ-5.00000°. Principal axes: T 2.1500,Plg0.0000°,Azm349.0000°; N 0.4400,Plg82.0000°,Azm258.0000° ; P -2.6000,Plg8.0000°,Azm79.0000° $M_0$2.38000×10^{15}
THE Event type ke. Error ellipse: s-maj=1.9km s-min=0.8km az=257.0.
PDG Event type ke. Error ellipse: s-maj=0.9km s-min=1.1km az=0.0.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=6.7km az=202.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ATH Moment Tensor Solution. s8 Moment tensor: M_{rr}-0.00 $M_{\theta\theta}$1.74 $M_{\phi\phi}$-1.74 $M_{r\theta}$0.42 $M_{\theta\phi}$0.73 $M_{\phi r}$-0.26 NP1:ϕ_s124.00000°,δ90.00000°,λ15.00000°. NP2:ϕ_s33.00000°,δ75.00000° ,λ180.00000°.
GII Event type ke.
ISC III 05 00 04 22.5–1.1 37.22N–.03 20.98E–.03 16–7 3.8b 143 1-46
ATH III 05 00 04 22.2 37.19N 20.92E 3–1 3.4L **¶610545557**
THE III 05 00 04 22.2 37.22N 20.96E 0–1 3.5L
IDC III 05 00 04 25.8–1.9 37.10N 20.98E 61–24 3.7,3.7b
GII III 05 00 04 28.0–.00 36.39N 21.36E 20 3.7,3.7b
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=1.9km s-min=0.8km az=47.0.
THE Event type ke. Error ellipse: s-maj=2.1km s-min=0.6km az=228.0.
IDC Error ellipse: s-maj=32.2km s-min=17.1km az=12.0.
GII Event type ke.
ISC III 10 03 57 57.1–1.3 37.28N–.04 20.35E–.04 26–10 3.5b 123 1-48
IDC III 10 03 57 53.8–1.2 37.35N 20.48E 0 3.5,3.5b **¶616198392**
ATH III 10 03 57 55.8 37.16N 20.32E 5–31 3.3L,3.5b
BEO III 10 03 57 58.0–.90 37.39N 20.47E 0 3.3L,3.5b
THE III 10 03 57 58.4 37.28N 20.49E 1–2 3.2L,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=27.6km s-min=17.9km az=156.0.
ATH Event type ke. Error ellipse: s-maj=31.6km s-min=1.4km az=0.0.
BEO Event type ke.
THE Event type ke. Error ellipse: s-maj=3.1km s-min=0.9km az=229.0.
ISC IV 05 21 51 20.6–1.0 37.05N–.03 20.93E–.03 32–7 4.0b 382 1-80
BEO IV 05 21 51 18.9–3.0 36.69N 20.45E 156–1 3.6L **¶610505786**
TIR IV 05 21 51 19.7 37.41N 19.15E 23–3 4.3
THE IV 05 21 51 19.5 37.00N 20.89E 5–1 3.9L
ATH IV 05 21 51 20.4 37.05N 20.92E 6–1 3.8L
IDC IV 05 21 51 20.9–2.8 37.14N 21.10E 33–23 3.8,3.8b
NEIC IV 05 21 51 21.1–1.8 37.06N–.06 20.97E–.06 28–6 4.3b,3.8b
PDG IV 05 21 51 23.1–.79 37.07N 20.92E 10–4 4.1L,3.8b
NAO IV 05 21 51 54.0 40.45N 20.97E 33 3.2b,3.8b
ISC Event type ke.
BEO Event type ke.
THE Event type ke. Error ellipse: s-maj=2.0km s-min=0.7km az=46.0.
ATH Event type ke. Error ellipse: s-maj=1.6km s-min=0.8km az=51.0.
IDC Error ellipse: s-maj=15.4km s-min=11.2km az=176.0.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=5.7km az=205.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PDG Event type ke. Error ellipse: s-maj=1.2km s-min=1.4km az=0.0.
ISC V 06 00 44 14.2–.89 37.59N–.03 20.92E–.02 17–5 3.4b 112 0-46
ATH V 06 00 44 14.5–.32 37.60N 20.88E 6–2 3.1L **¶610689637**
THE V 06 00 44 14.4 37.60N 20.93E 9–0 3.0L
IDC V 06 00 44 16.1–3.4 37.65N 20.99E 36–33 3.4,3.3b
ISC Event type ke.
ATH Event type ke. Manual Solution by N.Liadopoulou ML Amplitudes are expressed in micrometers, All distances are expressed in degrees. Latitude uncertainty: 2 km; Longitude uncertainty: 2 km.
THE Event type ke. Error ellipse: s-maj=0.8km s-min=0.4km az=215.0.
IDC Error ellipse: s-maj=26.3km s-min=21.3km az=143.0.
ISC VI 26 22 00 35.2–.80 37.65N–.04 20.91E–.03 25–5 4.2b,3.2s 216 0-120
IDC VI 26 22 00 32.5–1.0 37.72N 21.10E 0 4.1b,3.8 **¶610695193**
NEIC VI 26 22 00 33.8–2.2 37.63N–.04 20.91E–.06 10–1 4.4b,3.8
THE VI 26 22 00 35.3 37.59N 20.89E 18–0 3.6L,3.8
BEO VI 26 22 00 36.5–.70 37.82N 20.46E 0 3.4L,3.8
NAO VI 26 22 00 37.5 37.56N 20.85E 33 4.0b,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=21.2km s-min=13.7km az=23.0.
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=6.4km az=241.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
THE Event type ke. Error ellipse: s-maj=1.4km s-min=0.7km az=222.0.
BEO Event type ke.

(400) Central Mediterranean Sea.

ISC I 11 15 50 30.4–1.0 34.39N–.04 22.55E–.03 31–6 4.5b,3.6s 666 1-146
IDC I 11 15 50 26.2–.64 34.46N 22.54E 0 4.3,4.3b **¶610056570**
MOS I 11 15 50 27.7–.97 34.46N 22.50E 21 4.7b,4.3b
MED_R I 11 15 50 27.0–.60 34.26N 22.46E 12–5 4.4W,4.3b
BEO I 11 15 50 29.2–.60 34.47N 21.98E 0 4.2L,4.3b
NEIC I 11 15 50 29–1.6 34.37N–.09 22.46E–.08 21–6 4.5b,4.3b
ISK I 11 15 50 29.9 34.37N 22.46E 86–0 4.3L,4.3b
PDG I 11 15 50 29.2–.22 34.18N 22.31E 13–11 4.6L,4.3b
ATH I 11 15 50 29.5 34.37N 22.40E 10–31 4.1L,4.3b
THE I 11 15 50 30.1 34.28N 22.36E 23–7 4.1L,4.3b
DDA I 11 15 50 34.5–.00 34.80N 22.78E 14–5 4.3W,4.3b
GII I 11 15 50 34.9–.00 34.32N 23.27E 10 4.4b,4.3
BGR I 11 15 50 55.6 36.79N 21.81E 33 4.4b,4.3
ISC Event type ke.
IDC Error ellipse: s-maj=14.6km s-min=11.2km az=13.0.
MOS Error ellipse: s-maj=5.8km s-min=3.3km az=80.8.
MED_R nsta1 refers to body waves. nsta2 refers to surface waves, cutoff=35s. Moment Tensor Solution. Mantle waves: s10,c10;Duration: 1s0 Moment tensor: Scale 10^{15}Nm; M_{rr}0.44±.72 $M_{\theta\theta}$-4.20±.79; $M_{\phi\phi}$3.76±.76; $M_{r\theta}$1.41±.95; $M_{\theta\phi}$-0.80±.45; $M_{\phi r}$0.66±1.02; Best double couple: NP1:ϕ_s219.00000°,δ85.00000°,λ-18.00000°. NP2:ϕ_s310.00000°,δ72.00000°,λ-175.00000°. Principal axes: T 3.9200,Plg9.0000°,Azm266.0000°; N 0.7800,Plg71.0000°,Azm25.0000° ; P -4.7000,Plg16.0000°,Azm173.0000° $M_0$4.31000×10^{15}
BEO Event type ke.
NEIC Event type se. Error ellipse: s-maj=13.7km s-min=9.1km az=200.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISK Event type ke.
PDG Event type ke. Error ellipse: s-maj=24.7km s-min=2.8km az=90.0.
ATH Event type ke. Error ellipse: s-maj=31.6km s-min=1.6km az=0.0.
THE Event type ke. Error ellipse: s-maj=9.2km s-min=1.0km az=211.0.
GII Event type ke.
BGR Event type ke.
ISC I 15 03 50 00.2–1.1 35.16N–.08 22.97E–.07 37–2 4.0b 102 1-61
IDC I 15 03 49 56.1–1.4 35.29N 23.04E 0 4.0b,3.9 **¶610094939**
ATH I 15 03 50 01.6 35.01N 23.12E 18–2 3.9L,3.9
THE I 15 03 50 02.7 35.08N 23.24E 0–4 3.6L,3.9
BEO I 15 03 50 02.1–.50 35.29N 22.47E 0–9 4.1L,3.9
ISC Event type ke.
IDC Error ellipse: s-maj=26.4km s-min=19.1km az=12.0.
ATH Event type ke. Error ellipse: s-maj=3.2km s-min=1.5km az=37.0.
THE Event type ke. Error ellipse: s-maj=5.9km s-min=1.6km az=232.0.
BEO Event type ke.
ISC II 13 03 06 38.8–1.1 35.38N–.04 22.37E–.04 34–2 3.8b 113 1-77
ISK II 13 03 06 39.9 35.42N 22.46E 18–0 3.3L **¶610415415**
ATH II 13 03 06 40.8 35.43N 22.45E 13–2 3.2L
IDC II 13 03 06 41.9–1.6 35.60N 22.59E 47–18 3.7,3.5b
THE II 13 03 06 42.3 35.47N 22.51E 20–1 3.2L,3.5b
GII II 13 03 06 46.4–.00 35.39N 23.49E 20 3.2L,3.5b
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=2.7km s-min=1.2km az=63.0.
IDC Error ellipse: s-maj=22.2km s-min=12.6km az=12.0.
THE Event type ke. Error ellipse: s-maj=1.3km s-min=0.6km az=310.0.
GII Event type ke.
ISC II 22 12 32 42.4–2.0 35.46N–.06 22.49E–.07 15–11 3.5b 41 1-61
IDC II 22 12 32 38.5–1.6 35.75N 22.28E 0 3.5,3.5b **¶610384806**
ATH II 22 12 32 45.0 35.52N 22.60E 10–31 3.0L,3.5b
THE II 22 12 32 44.0 35.54N 22.52E 10–3 2.9L,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=40.1km s-min=25.7km az=156.0.
ATH Event type ke. Error ellipse: s-maj=31.6km s-min=1.7km az=0.0.
THE Event type ke. Error ellipse: s-maj=3.3km s-min=1.1km az=77.0.
ISC II 25 02 06 34.6–1.7 33.64N–.08 22.97E–.09 15 53 2-11
GII II 25 02 06 30.0–.00 33.89N 22.70E 24 3.2 **¶610680089**
THE II 25 02 06 40.3 33.89N 22.70E 24–6 2.6L
ISC Event type ke.
GII Event type ke.
THE Event type ke. Error ellipse: s-maj=7.6km s-min=0.6km az=208.0.
ISC III 05 07 09 57.4–1.7 35.63N–.05 21.98E–.05 14–10 3.8b 53 1-46
ATH III 05 07 09 58.2 35.64N 22.00E 7–2 3.0L **¶610545576**
IDC III 05 07 09 59.8–3.1 36.43N 22.62E 0 3.9,3.9b
THE III 05 07 09 59.3 35.77N 22.06E 2–1 3.0L,3.9b
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.1km s-min=1.1km az=94.0.
IDC Error ellipse: s-maj=73.4km s-min=20.6km az=41.0.
THE Event type ke. Error ellipse: s-maj=1.6km s-min=0.7km az=39.0.
IDC III 07 16 50 47.9–1.6 35.37N 12.63E 0 3.3L,3.1 ¶610545744
IDC Error ellipse: s-maj=41.4km s-min=24.5km az=156.0.
ISC III 11 21 37 28.9–1.1 35.00N–.05 22.99E–.04 42–11 4.0b 175 1-80
NEIC III 11 21 37 27.9–1.5 34.92N–.06 22.84E–.06 40–9 4.0b **¶610470948**

ATH III 11 21 37 27.4 34.92N 22.83E 8–3 3.5L
THE III 11 21 37 28.7 34.97N 22.91E 12–1 3.2L
ISK III 11 21 37 28.6 35.05N 22.97E 21–0 3.5L
IDC III 11 21 37 31.5–1.7 35.17N 22.96E 60–16 3.8,3.6b
DDA III 11 21 37 58.0–.00 35.94N 25.88E 18 3.1L,3.6b
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=4.9km az=141.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ATH Event type ke. Error ellipse: s-maj=5.0km s-min=1.6km az=53.0.
THE Event type ke. Error ellipse: s-maj=1.8km s-min=0.7km az=233.0.
ISK Event type ke.
IDC Error ellipse: s-maj=18.5km s-min=12.8km az=174.0.
ISC III 14 05 49 05.2–2.6 35.65N–.08 21.90E–.08 14–13 4.0b 20 1-47
ATH III 14 05 49 06.1 35.64N 21.95E 8–4 2.6L **¶610546182**
IDC III 14 05 49 06.9–3.6 36.39N 22.38E 0 3.8,3.8b
THE III 14 05 49 07.3 35.81N 21.97E 0–4 2.5L,3.8b
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=8.9km s-min=2.3km az=162.0.
IDC Error ellipse: s-maj=78.0km s-min=25.0km az=35.0.
THE Event type ke. Error ellipse: s-maj=5.2km s-min=1.8km az=200.0.
ISC III 20 12 52 00.4–1.8 35.15N–.05 22.98E–.06 6–10 3.5b 32 1-46
THE III 20 12 51 59.6 35.13N 22.90E 0–3 3.2L **¶616204745**
IDC III 20 12 52 00.1–1.6 34.53N 23.79E 0 3.7b,3.7L
ATH III 20 12 52 00.9 35.15N 22.98E 12–2 3.2L,3.7L
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=4.0km s-min=1.0km az=237.0.
IDC Error ellipse: s-maj=52.6km s-min=28.0km az=139.0.
ATH Event type ke. Error ellipse: s-maj=5.4km s-min=1.5km az=66.0.
ISC III 26 06 06 25.4–1.0 35.89N–.05 22.13E–.05 59–10 3.7b 86 1-121
THE III 26 06 06 24.3 35.89N 22.10E 6–1 3.2L **¶610543701**
ISK III 26 06 06 25.2 36.01N 22.31E 74–0 3.4L
ATH III 26 06 06 25.3 35.92N 22.19E 15–5 3.3L
IDC III 26 06 06 27.4–2.2 35.96N 22.25E 77–22 3.7,3.5b
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=2.0km s-min=0.7km az=39.0.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=5.5km s-min=1.3km az=45.0.
IDC Error ellipse: s-maj=21.6km s-min=17.5km az=10.0.
ISC III 29 18 08 54.0–.98 35.72N–.05 22.44E–.06 81–7 3.5b 124 1-55
IDC III 29 18 08 52.3–2.5 35.40N 22.38E 79–22 3.7,3.5b **¶610543948**
ISK III 29 18 08 52.4 35.64N 22.30E 26–0 3.2L,3.5b
ATH III 29 18 08 53.9 35.74N 22.50E 89–2 3.2L,3.5b
THE III 29 18 08 54.3 35.70N 22.37E 64–6 3.1L,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=44.6km s-min=16.8km az=14.0.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.1km s-min=0.9km az=61.0.
THE Event type ke. Error ellipse: s-maj=7.2km s-min=0.8km az=52.0.
ISC IV 08 19 50 04.3–1.3 35.40N–.05 22.87E–.05 31–10 3.4b 82 1-45
THE IV 08 19 50 05.2 35.38N 22.89E 14–1 3.3L **¶610652252**
ISK IV 08 19 50 06.2 35.50N 23.08E 29–0 3.6L
ATH IV 08 19 50 06.1 35.38N 22.95E 20–3 3.5L
IDC IV 08 19 50 11.4–5.2 35.68N 22.93E 104–54 3.7s,3.4
ISC Event type ke.
THE Event type ke. Error ellipse: s-maj=2.0km s-min=0.8km az=55.0.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=4.2km s-min=1.5km az=53.0.
IDC Error ellipse: s-maj=49.1km s-min=26.0km az=128.0.
ISC IV 15 23 55 23.0–.48 36.23N–.04 18.83E–.03 10 4.2b 394 2-95
BEO IV 15 23 55 13.3–1.0 34.97N 18.29E 261–7 4.3L **¶611832308**
IDC IV 15 23 55 22.4–.90 36.23N 18.85E 0 4.1b,4.0
MOS IV 15 23 55 23.2–1.1 36.38N 18.87E 15 4.3b,4.0
NEIC IV 15 23 55 23.4–1.9 36.28N–.08 18.85E–.06 5–5 4.1b,4.0
PDG IV 15 23 55 24.4–.36 36.04N 18.25E 33–11 4.6L,4.0
THE IV 15 23 55 27.4 36.25N 18.95E 31–12 3.9L,4.0
NAO IV 15 23 55 43.2 38.07N 19.68E 33 3.8b,4.0
GII IV 15 23 55 45.6–.37 35.45N 21.14E 33 4.7b,4.6
ISC Event type ke.
BEO Event type ke.
IDC Error ellipse: s-maj=19.2km s-min=13.0km az=161.0.
MOS Error ellipse: s-maj=6.8km s-min=4.2km az=75.0.
NEIC Event type se. Error ellipse: s-maj=11.4km s-min=7.0km az=183.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PDG Event type ke. Error ellipse: s-maj=1.7km s-min=4.8km az=0.0.
THE Event type ke. Error ellipse: s-maj=14.5km s-min=1.5km az=241.0.
GII Event type ke.
ISC IV 17 04 07 16.6–2.1 34.0N–.10 24.65E–.04 15–10 4.1b 60 1-46
IDC IV 17 04 07 12.7–1.5 33.86N 24.68E 0 3.9b,3.6 **¶610652908**
ISK IV 17 04 07 17.9 34.02N 24.55E 76–0 3.0L,3.6
THE IV 17 04 07 19.4 34.08N 24.73E 11–10 2.3L,3.6
ATH IV 17 04 07 21.9 34.29N 24.66E 15–2 2.2L,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=29.0km s-min=21.8km az=104.0.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=14.7km s-min=1.6km az=211.0.
ATH Event type ke. Error ellipse: s-maj=4.6km s-min=1.3km az=203.0.
ISC IV 20 03 56 05.1–1.8 35.02N–.09 22.04E–.08 44–20 3.8b 73 1-58
ATH IV 20 03 56 03.7 34.75N 22.04E 27–12 3.1L **¶610653094**
THE IV 20 03 56 05.4 34.86N 22.13E 47–15 3.1L
IDC IV 20 03 56 07.3–3.8 34.94N 22.28E 60–37 3.8L,3.7
ISK IV 20 03 56 09.2 35.27N 22.71E 23–0 3.5L,3.7
BEO IV 20 03 56 10.7–.80 35.42N 21.44E 0 3.9L,3.7
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=15.8km s-min=2.2km az=224.0.
THE Event type ke. Error ellipse: s-maj=15.7km s-min=0.8km az=58.0.
IDC Error ellipse: s-maj=40.4km s-min=23.7km az=145.0.
ISK Event type ke.
BEO Event type ke.
ISC IV 27 12 04 27.7–.61 35.38N–.03 21.39E–.03 17–3 4.9b,4.2s 886 2-131
BJI IV 27 12 04 23.7–.00 35.40N 21.13E 13 5.1b,5.0b **¶610566399**
MED_R IV 27 12 04 25.0–.40 35.20N 21.36E 22–1 4.8W,5.0b
IDC IV 27 12 04 25.2–.50 35.38N 21.46E 0 4.7b,4.6
BGR IV 27 12 04 26.9–1.1 35.14N 21.69E 10 4.3b,4.6
MOS IV 27 12 04 26.5–.97 35.44N 21.50E 17 5.1b,4.3s
NAO IV 27 12 04 26.3 35.48N 24.01E 33 4.6b,4.3s
NEIC IV 27 12 04 27.4–1.9 35.40N–.07 21.45E–.06 10–1 4.9b,4.3s
HLW IV 27 12 04 27.6 35.32N 21.70E 10–60 4.8L,4.6
THE IV 27 12 04 27.7 35.15N 21.28E 24–10 4.3L,4.6
ATH IV 27 12 04 28.6 35.16N 21.25E 30–9 4.1L,4.6
PDG IV 27 12 04 29.2–.63 35.18N 21.26E 10–6 4.8L,4.6
GCMT IV 27 12 04 30.4–.40 35.08N–.02 21.21E–.03 24–1 5.0W,4.6
BEO IV 27 12 04 31.1–.50 35.66N 21.07E 0 4.5L,4.6
TIR IV 27 12 04 36.6 36.40N 21.26E 40–77 4.2L,4.6
GII IV 27 12 04 36.0–.00 35.07N 22.44E 20 5.1,4.9b
ISC Event type ke. Moment Tensor Solution. NP1:ϕs271.63059°,δ16.35352°,λ67.78213°. NP2:
ϕs114.68898°,δ74.89090°,λ96.33144°. Principal axes: T Plg59.6338°,Azm33.5625°
; N Plg6.1117°,Azm293.0323°; P Plg29.6161°,Azm199.5428°
MED_R nsta1 refers to body waves. nsta2 refers to surface waves, cutoff=35s. Moment Tensor
Solution. Mantle waves: s17,c20;Duration: 1s1 Moment tensor: Scale 10^{16}Nm; M_{rr}1.55±.26
$M_{\theta\theta}$-1.56±.15; $M_{\phi\phi}$0.01±.15; $M_{r\theta}$0.78±.12; $M_{\theta\phi}$1.06±.11; $M_{\phi r}$-1.02±.15; Best double couple:
NP1:ϕs134.00000°,δ64.00000°,λ110.00000°. NP2:ϕs275.00000°,δ32.00000°,λ55.00000°.
Principal axes: T 2.0700,Plg65.0000°,Azm80.0000°; N 0.3600,Plg18.0000°,Azm305.0000°
; P -2.4400,Plg17.0000°,Azm210.0000° $M_0$2.26000×10^{16}
IDC Error ellipse: s-maj=12.1km s-min=9.9km az=163.0.
BGR Event type ke. Error ellipse: s-maj=97.8km s-min=27.8km az=65.0.
MOS Error ellipse: s-maj=5.2km s-min=2.9km az=74.0.
NEIC Event type se. Error ellipse: s-maj=11.6km s-min=7.9km az=179.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

THE Event type ke. Error ellipse: s-maj=11.9km s-min=1.7km az=232.0.
ATH Event type ke. Error ellipse: s-maj=11.3km s-min=1.7km az=221.0.
PDG Event type ke. Error ellipse: s-maj=3.6km s-min=3.2km az=90.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function. Moment Tensor Solution. s35,c40; s74,c89;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}2.56±.18 $M_{\theta\theta}$-1.93±.11; $M_{\phi\phi}$-0.63±.11; $M_{r\theta}$1.60±.15;
$M_{\theta\phi}$1.67±.07; $M_{\phi r}$-1.19±.17; Best double couple: NP1:ϕs126.00000°,δ63.00000°,λ92.00000°.
NP2:ϕs302.00000°,δ27.00000°,λ87.00000°. Principal axes: T 3.1960,Plg72.0000°
,Azm40.0000°; N 0.5100,Plg1.0000°,Azm305.0000°; P -3.7060,Plg18.0000°,Azm215.0000°
$M_0$3.45100×10^{16}
BEO Event type ke.
GII Event type ke.
ISC IV 27 13 03 43.2–2.2 35.26N–.08 21.36E–.07 31–14 3.9b,3.6s 120 2-85
BEO IV 27 13 03 39.0–3.9 34.73N 20.89E 80–7 4.0L,3.6s **¶610650136**
ATH IV 27 13 03 43.0 35.10N 21.30E 25–31 3.2L,3.6s
THE IV 27 13 03 43.6 35.15N 21.31E 31–44 3.2L,3.6s
IDC IV 27 13 03 43.1–2.8 35.56N 21.76E 0 3.7,3.7b
GII IV 27 13 03 56.8–.00 34.47N 22.24E 30 3.7,3.7b
ISC Event type ke.
BEO Event type ke.
ATH Event type ke. Error ellipse: s-maj=31.6km s-min=1.8km az=0.0.
THE Event type ke. Error ellipse: s-maj=44.3km s-min=1.2km az=63.0.
IDC Error ellipse: s-maj=57.9km s-min=23.3km az=15.0.
GII Event type ke.
ISC IV 27 17 09 54.9–.57 35.31N–.05 21.45E–.05 29 4.4b,3.3s 280 2-121
MOS IV 27 17 09 51.2–1.2 35.28N 21.50E 13 4.5b,3.3s **¶610570302**
MED_R IV 27 17 09 51.0–.90 35.07N 21.33E 20–5 4.5W,3.3s
IDC IV 27 17 09 51.4–.92 35.34N 21.46E 0 4.1b,4.0
NEIC IV 27 17 09 52.0–1.5 35.20N–.09 21.37E–.07 10–1 4.4b,4.0
ATH IV 27 17 09 54.1 35.13N 21.31E 25–31 3.5L,4.0
BEO IV 27 17 09 55.0–.70 35.47N 20.93E 0 4.1L,4.0
THE IV 27 17 09 56.4 35.31N 21.41E 31–59 3.5L,4.0
NAO IV 27 17 10 17.8 37.71N 22.40E 33 3.5b,4.0
ISC Event type ke.
MOS Error ellipse: s-maj=9.8km s-min=4.5km az=70.7.
MED_R nsta1 refers to body waves. nsta2 refers to surface waves, cutoff=35s. Moment Tensor
Solution. Mantle waves: s7,c8;Duration: 1s0 Moment tensor: Scale 10^{15}Nm; M_{rr}0.74±1.57
$M_{\theta\theta}$-3.24±.99; $M_{\phi\phi}$2.51±1.04; $M_{r\theta}$0.79±.58; $M_{\theta\phi}$3.51±.72; $M_{\phi r}$-4.80±2.75; Best double couple:
NP1:ϕs159.00000°,δ85.00000°,λ134.00000°. NP2:ϕs255.00000°,δ44.00000°,λ8.00000°.
Principal axes: T 7.0100,Plg35.0000°,Azm106.0000°; N -0.7100,Plg44.0000°,Azm334.0000°
; P -6.3000,Plg26.0000°,Azm216.0000° $M_0$6.65000×10^{15}
IDC Error ellipse: s-maj=19.2km s-min=14.0km az=11.0.
NEIC Event type se. Error ellipse: s-maj=16.8km s-min=8.7km az=201.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ATH Event type ke. Error ellipse: s-maj=31.6km s-min=1.6km az=0.0.
BEO Event type ke.
THE Event type ke. Error ellipse: s-maj=59.0km s-min=1.1km az=73.0.
THE IV 28 23 33 15.3 35.89N 22.07E 11–1 2.0L
ATH IV 28 23 33 15.1 35.87N 22.06E 12–2 2.0L **¶611015794**
THE Event type ke. Error ellipse: s-maj=2.1km s-min=0.8km az=47.0.
ATH Event type ke. Error ellipse: s-maj=4.1km s-min=1.6km az=46.0.
IDC V 13 00 10 55.5–1.5 32.22N 16.11E 0 3.4b,3.3
¶610690154
IDC Error ellipse: s-maj=48.6km s-min=26.5km az=144.0.
ISC V 13 00 44 35.0–1.8 33.98N–.07 24.25E–.05 14–10 3.6b 77 1-46
ISK V 13 00 44 31.9 33.85N 24.15E 9–0 3.4L **¶610690156**
THE V 13 00 44 33.2 33.72N 23.82E 33–19 3.1L
IDC V 13 00 44 34.8–1.4 34.36N 23.96E 0 3.7b,3.5
GII V 13 00 44 45.0–.00 33.74N 24.90E 9 3.4,3.5
ISC Event type ke.
ISK Event type ke.
THE Event type ke. Error ellipse: s-maj=19.0km s-min=1.6km az=314.0.
IDC Error ellipse: s-maj=48.2km s-min=22.7km az=137.0.
GII Event type ke.
ISC V 22 21 40 03.0–1.7 34.84N–.05 22.97E–.05 10–9 3.9b 56 1-47
ISK V 22 21 40 00.6 34.82N 22.92E 5–0 3.1L **¶610685181**
ATH V 22 21 40 02.1 34.82N 22.94E 22–2 3.1L
IDC V 22 21 40 02.3–1.5 35.25N 22.98E 0 3.9b,3.7
THE V 22 21 40 02.3 34.80N 22.94E 0–2 2.9L,3.7
ISC Event type ke.
ISK Event type ke.
ATH Event type ke. Error ellipse: s-maj=4.4km s-min=1.8km az=49.0. ML Amplitudes are
expressed in micrometers.
IDC Error ellipse: s-maj=29.4km s-min=21.3km az=176.0.
THE Event type ke. Error ellipse: s-maj=3.8km s-min=1.3km az=214.0.
ISC V 27 10 59 30.7–1.1 35.49N–.03 22.27E–.04 35–4 3.7b,3.1s 170 1-80
ATH V 27 10 59 26.6 35.35N 22.16E 10–2 3.9L,3.1s **¶610656103**
HLW V 27 10 59 28.9 35.61N 22.38E 33–39 4.1L,3.1s
THE V 27 10 59 30.8 35.51N 22.30E 6–1 3.9L,3.1s
ISK V 27 10 59 32.0 35.61N 22.45E 88–0 3.9L,3.1s
IDC V 27 10 59 32.5–1.7 35.58N 22.32E 45–17 3.8,3.6L
ISC Event type ke.
ATH Event type ke. Error ellipse: s-maj=3.7km s-min=1.2km az=47.0. ML Amplitudes are
expressed in micrometers.
THE Event type ke. Error ellipse: s-maj=2.2km s-min=1.1km az=74.0.
ISK Event type ke.
IDC Error ellipse: s-maj=20.1km s-min=12.0km az=178.0.
ISC V 27 11 18 53.8–1.8 35.90N–.07 21.86E–.06 14–11 3.5b 40 1-46
IDC V 27 11 18 53.2–18 36.29N 22.37E 0 3.7,3.7b **¶610685493**
THE V 27 11 18 55.6 35.98N 21.92E 6–4 2.7L,3.7b
ATH V 27 11 18 55.2 35.98N 21.94E 26–1 2.7L,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=356.8km s-min=52.4km az=31.0.
THE Event type ke. Error ellipse: s-maj=4.9km s-min=1.0km az=35.0.
ATH Event type ke. Error ellipse: s-maj=3.2km s-min=1.3km az=48.0. ML Amplitudes are
expressed in micrometers.

(401) Near coast of Libya.

ISC V 02 09 43 12.2–.44 31.95N–.04 24.70E–.04 10 4.5b,3.3s 419 1-118
MOS V 02 09 43 11.2–1.1 31.94N 24.59E 13 4.6b,3.3s **¶610591575**
IDC V 02 09 43 11.2–.60 32.05N 24.53E 0 4.4,4.4b
MED_R V 02 09 43 11.0–1.2 31.79N 24.58E 10 4.3W,4.4b
HLW V 02 09 43 12.2 31.83N 24.41E 18–3 4.7L,4.2
NEIC V 02 09 43 12.9–1.5 31.96N–.06 24.55E–.06 10–1 4.4b,4.2
THE V 02 09 43 16.8 32.07N 24.51E 11–22 4.0L,4.2
GII V 02 09 43 16.1–.00 32.26N 24.90E 25–0 4.3,4.3b
ISK V 02 09 43 19.4 32.36N 24.80E 42–0 4.2L,4.3b
DDA V 02 09 44 22.6–.00 36.41N 27.83E 7–7 1.4L,4.3b
ISC Event type ke.
MOS Error ellipse: s-maj=7.0km s-min=3.5km az=83.3.
IDC Error ellipse: s-maj=13.1km s-min=11.1km az=138.0.
MED_R nsta1 refers to body waves. nsta2 refers to surface waves, cutoff=30s. Moment Tensor
Solution. Mantle waves: s6,c6;Duration: 1s0 Moment tensor: Scale 10^{15}Nm; M_{rr}0.97±.76
$M_{\theta\theta}$1.76±.27; $M_{\phi\phi}$-2.73±.97; $M_{r\theta}$-2.45±.70; $M_{\theta\phi}$0.32±.38; $M_{\phi r}$-1.70±1.01; Best double couple:
NP1:ϕs218.00000°,δ80.00000°,λ129.00000°. NP2:ϕs320.00000°,δ40.00000°,λ16.00000°.
Principal axes: T 4.1200,Plg42.0000°,Azm165.0000°; N -0.6400,Plg38.0000°,Azm30.0000°
; P -3.4800,Plg25.0000°,Azm279.0000° $M_0$3.80000×10^{15}
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=5.9km az=141.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
THE Event type ke. Error ellipse: s-maj=30.4km s-min=2.1km az=184.0.
GII Event type ke.
ISK Event type ke.
IDC V 30 16 25 56.7–46 32.07N 21.01E 0 4.0L,3.9b
¶610685729
IDC Error ellipse: s-maj=887.4km s-min=89.2km az=61.0.

SEISMIC REGION 32.
Atlantic Ocean.

(402) North Atlantic Ocean.
ISC I 05 17 48 55.8–1.2 19.05N–.06 68.10W–.03 20 63 1-4
OSPL I 05 17 48 54.1–2.1 19.17N 68.13W 0–11 2.9L ¶609997975
NEIC I 05 17 48 56.4–1.0 18.92N–.07 68.12W–.05 9–9 3.1L,2.9
RSPR I 05 17 48 58.4 18.82N 68.20W 86–4 2.9,2.9
ISC Event type ke.
OSPL Error ellipse: s-maj=17.3km s-min=8.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=4.9km az=212.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
OTT I 17 02 48 10.8–.31 43.85N 56.71W 18 3.6L
¶612415409
OTT Event type ke. Error ellipse: s-maj=2.2km s-min=1.6km az=-1.0. Atlantic Ocean. 345km southeast from Louisbourg, Ns.
ISC I 18 15 39 09.7–3.7 40.74N–.06 15.6W–.20 10 78 5-9
MDD I 18 15 39 07.6–1.3 40.79N 15.94W 0 4.8b,4.3 ¶610241171
INMG I 18 15 39 11.0–1.0 40.88N 16.26W 10 2.8L,4.3
CNRM I 18 15 39 26.9 38.33N 15.30W 27 2.8L,4.3
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=9.9km s-min=6.5km az=80.0.
INMG Event type ke. Error ellipse: s-maj=6.2km s-min=4.6km az=84.0.
ISC I 28 07 05 01.1–1.5 19.26N–.07 68.09W–.02 7–11 54 1-3
NEIC I 28 07 05 01.5–1.4 19.232N–.01 68.10W–.05 7–9 3.8,3.0L ¶610145117
OSPL I 28 07 05 02.9–4.3 19.22N 68.00W 0–30 2.8L,3.0L
RSPR I 28 07 05 03.0 19.04N 68.15W 132–4 3.8,3.0L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=6.8km s-min=1.4km az=94.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
OSPL Error ellipse: s-maj=25.4km s-min=18.8km az=-1.0.
RSPR Event type ke.
OTT I 29 06 34 02.1–.47 41.77N 55.31W 18 3.8L
¶612415718
OTT Event type ke. Error ellipse: s-maj=3.3km s-min=1.7km az=-1.0. Atlantic Ocean. 593km south from Grand Bank, Nl.
OTT II 05 14 32 02.3–.34 50.85N 49.23W 18 4.7L
¶612415885
OTT Event type ke. Error ellipse: s-maj=1.1km s-min=2.1km az=-1.0. Offshore Newfoundland. 372km northeast from Bonavista, Nl.
ISC II 07 05 53 25.9–3.9 42.37N–.09 16.5W–.20 10 99 6-13
IGIL II 07 05 53 19.9 42.69N 17.37W 7 2.8L ¶610346107
MDD II 07 05 53 20.3–.90 42.51N 17.07W 0 4.2b,3.6
INMG II 07 05 53 22.5–1.8 42.68N 17.44W 10 2.8L,3.6
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=7.7km s-min=6.6km az=59.0.
INMG Event type ke. Error ellipse: s-maj=8.7km s-min=6.8km az=76.0.
MDD II 07 07 01 57.3–1.2 42.52N 17.15W 0 4.2b,3.6
¶615222295
MDD Event type ke. Error ellipse: s-maj=10.7km s-min=9.5km az=34.0.
ISC II 14 09 18 20.7–1.7 44.24N–.04 7.43W–.05 7–11 87 1-9
LDG II 14 09 18 22.8–.19 44.26N 7.67W 10 3.3L ¶610224154
MDD II 14 09 18 22.7–.54 44.24N 7.65W 12–0 3.3
INMG II 14 09 18 25.5–1.6 44.12N 7.43W 13–5 2.8L
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=4.8km s-min=2.3km az=117.0.
MDD Event type ke. Error ellipse: s-maj=5.0km s-min=2.7km az=138.0.
INMG Event type ke. Error ellipse: s-maj=7.0km s-min=3.0km az=128.0.
NEIC II 16 17 41 35.4–.74 20.08N–.05 65.67W–.03 14–9 3.5,2.3L
RSPR II 16 17 41 38.8 19.93N 65.42W 116–8 3.5,2.3L ¶610223751
NEIC Event type se. Error ellipse: s-maj=8.0km s-min=4.5km az=192.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
MDD II 21 00 22 26.2–1.1 43.34N 13.90W 0 3.7b,3.0
¶615222863
MDD Event type ke. Error ellipse: s-maj=8.5km s-min=6.5km az=121.0.
ISC II 21 20 40 09.7–2.9 20.1N–.20 65.57W–.06 10 34 2-8
NEIC II 21 20 40 10.6–1.1 20.10N–.09 65.59W–.06 15–9 3.6,2.5L ¶610239508
RSPR II 21 20 40 14.0 19.78N 65.61W 131–10 3.6,2.5L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=13.5km s-min=7.9km az=179.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
ISC II 24 19 16 51.3–.30 18.43N–.05 25.26W–.05 10 4.8b 427 4-162
IDC II 24 19 16 49.8–.43 18.50N 25.34W 0 5.4L,4.4 ¶611831871
MOS II 24 19 16 49.8–.87 18.48N 25.28W 10 4.9b,4.4
NEIC II 24 19 16 53.1–1.7 18.44N–.08 25.24W–.08 16–4 4.9b,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 25 08 03 26.2–2.8 40.53N–.05 13.7W–.10 10 109 4-11
MDD II 25 08 03 28.4–.86 40.51N 13.60W 0 4.3b,3.7 ¶610345728
IGIL II 25 08 03 29.4 40.51N 13.60W 0 2.3L,3.7
INMG II 25 08 03 30.0–1.1 40.55N 14.10W 10 2.5L,3.7
CNRM II 25 08 03 53.8 39.33N 11.23W 230 2.3L,3.7
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=7.0km s-min=4.4km az=88.0.
INMG Event type ke. Error ellipse: s-maj=5.5km s-min=3.1km az=92.0.
IDC III 09 04 25 13.5–263 39.90N 15.59W 0
¶610545852
IDC Error ellipse: s-maj=185.3km s-min=101.3km az=108.0.
IDC III 11 05 00 45.7–326 28.43N 60.13W 0
¶610545998
IDC Error ellipse: s-maj=165.8km s-min=150.7km az=134.0.
ISC III 23 06 26 18.5–3.4 40.49N–.06 15.2W–.20 35 118 5-11
IGIL III 23 06 26 14.6 40.56N 15.76W 23 3.1L ¶612756394
MDD III 23 06 26 16.2–.90 40.53N 15.60W 30–46 4.6b,4.0
INMG III 23 06 26 17.4–2.3 40.56N 15.81W 36–16 3.1L,4.0
CNRM III 23 06 26 25.5 39.98N 14.89W 126 3.1L,4.0
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=25.3km s-min=5.4km az=91.0.
INMG Event type ke. Error ellipse: s-maj=8.8km s-min=6.1km az=90.0.
ISC III 25 08 52 47.2–2.4 39.90N–.05 12.9W–.10 10 140 3-12
IGIL III 25 08 52 50.4 39.85N 13.09W 25 2.9L ¶610477980
LDG III 25 08 52 51.6–.21 39.92N 13.04W 20 3.6L
MDD III 25 08 52 51.6–.60 39.84N 13.00W 27–18 4.6b,4.1
INMG III 25 08 52 53.1–1.7 39.96N 13.16W 14 3.0L,4.1
CNRM III 25 08 52 56.1 39.39N 12.81W 43 3.5L,4.1
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=4.0km s-min=2.4km az=81.0.
MDD Event type ke. Error ellipse: s-maj=16.8km s-min=3.9km az=89.0.
INMG Event type ke. Error ellipse: s-maj=6.0km s-min=3.5km az=87.0.
ISC IV 02 06 01 42.3–1.8 39.38N–.03 11.33W–.06 16–9 202 2-14
MDD IV 02 06 01 45.4–.53 39.35N 11.21W 0 3.4 ¶610642026
IGIL IV 02 06 01 46.2 39.32N 11.46W 50 3.1L
INMG IV 02 06 01 47.6–1.9 39.35N 11.59W 41 3.0L
LDG IV 02 06 01 47.7–.33 39.43N 10.99W 30 3.6L
CNRM IV 02 06 01 54.6 38.19N 11.49W 30 2.9L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=4.4km s-min=3.0km az=83.0.
INMG Event type ke. Error ellipse: s-maj=5.0km s-min=2.2km az=89.0.
LDG Event type ke. Error ellipse: s-maj=6.9km s-min=3.2km az=81.0.
ISC IV 04 23 02 33.1–3.4 39.82N–.06 14.3W–.20 10 138 4-11
MDD IV 04 23 02 30.7–.75 39.89N 14.60W 0 4.3b,3.6 ¶610660954
IGIL IV 04 23 02 31.6 39.89N 14.61W 2 2.9L,3.6
INMG IV 04 23 02 33.1–2.3 40.01N 15.00W 10 2.7L,3.6
CNRM IV 04 23 02 44.5 39.26N 13.88W 60 2.7L,3.6
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=6.3km s-min=5.6km az=63.0.
INMG Event type ke. Error ellipse: s-maj=7.9km s-min=5.4km az=98.0.
TRN IV 23 01 34 34.2 11.98N 59.94W 20 3.6
¶616052129
ISC IV 23 06 49 02.0–2.6 39.43N–.04 12.9W–.10 10 110 3-7
MDD IV 23 06 49 07.1–.82 39.45N 12.57W 0 4.1b,3.4 ¶610661063
IGIL IV 23 06 49 07.6 39.42N 12.96W 31 2.1L,3.4
INMG IV 23 06 49 09.7–1.5 39.41N 12.98W 10 2.4L,3.4
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=6.9km s-min=4.6km az=75.0.
INMG Event type ke. Error ellipse: s-maj=6.9km s-min=3.9km az=81.0.
TRN IV 27 00 03 29.1 11.17N 59.37W 22 3.5
¶616052189
ISC IV 29 10 40 13.0–2.8 19.5N–.10 68.55W–.07 13–14 36 1-4
NEIC IV 29 10 40 16.0–.83 19.4N–.10 68.56W–.07 44–70 3.4,2.7L ¶610589284
OSPL IV 29 10 40 18.2–1.1 19.35N 68.35W 0–49 2.5L,2.7L
RSPR IV 29 10 40 21.8 19.52N 68.15W 61–14 3.4,2.7L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=20.9km s-min=9.3km az=190.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
OSPL Error ellipse: s-maj=10.4km s-min=58.3km az=-1.0.
RSPR Event type ke.
ISC IV 29 10 56 05.7–.77 43.14N–.04 14.07W–.05 10 4.0b 367 4-147
IDC IV 29 10 56 02.4–1.3 43.08N 14.73W 0 4.8L,3.9 ¶612756721
NEIC IV 29 10 56 03.3–1.3 43.2N–.10 14.6W–.20 10–2 4.2b,3.9
MDD IV 29 10 56 06.2–.39 43.07N 14.75W 42–9 5.3b,4.9
LDG IV 29 10 56 08.1–.25 43.16N 14.54W 30 4.7L,4.9
IGIL IV 29 10 56 09.4 42.96N 14.58W 23 4.4L,4.9
INMG IV 29 10 56 11.0–2.1 43.03N 14.58W 19 4.2L,4.9
CNRM IV 29 10 56 26.6 41.93N 13.29W 49 4.0L,4.9
ISC Event type ke.
IDC Error ellipse: s-maj=34.3km s-min=16.9km az=16.0.
NEIC Event type se. Error ellipse: s-maj=22.5km s-min=19.0km az=255.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MDD Event type ke. Error ellipse: s-maj=2.9km s-min=1.8km az=86.0.
LDG Event type ke. Error ellipse: s-maj=5.5km s-min=2.5km az=83.0.
INMG Event type ke. Error ellipse: s-maj=6.2km s-min=4.2km az=92.0.
ISC IV 30 02 54 53.8–.85 42.89N–.02 13.95W–.04 10 227 4-18
MDD IV 30 02 54 52.7–.53 42.87N 14.43W 0 4.9b,4.4 ¶610641435
LDG IV 30 02 54 53.9–.30 43.17N 14.52W 30 4.1L,4.4
IGIL IV 30 02 54 54.9 43.02N 14.60W 30 4.2L,4.4
INMG IV 30 02 54 56.3–2.1 43.02N 14.63W 22 3.8L,4.4
CNRM IV 30 02 55 09.3 41.88N 13.77W 85 3.8L,4.4
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=4.2km s-min=3.6km az=105.0.
LDG Event type ke. Error ellipse: s-maj=6.0km s-min=3.3km az=95.0.
INMG Event type ke. Error ellipse: s-maj=6.7km s-min=4.4km az=84.0.
IDC V 03 21 43 34.1–414 47.92N 7.64W 0
¶610689508
IDC Error ellipse: s-maj=183.2km s-min=159.6km az=60.0.
IDC V 10 15 59 18.3–999 48.34N 5.04W 0
¶610689974
IDC Error ellipse: s-maj=432.8km s-min=191.6km az=92.0.
ISC V 12 10 13 03.2–1.4 19.3N–.10 68.70W–.04 10 34 1-10
NEIC V 12 10 13 06.8–2.7 19.24N–.08 68.71W–.04 35–2 2.5,2.4L ¶610634645
RSPR V 12 10 13 11.7 18.91N 68.74W 50–4 2.5,2.4L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=13.9km s-min=6.9km az=174.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
RSPR Event type ke.
ISC V 18 12 14 18.5–3.2 13.78N–.04 58.84W–.07 16–21 3.3b 81 1-62
IDC V 18 12 14 17.0–1.8 14.01N 58.72W 0 4.2L,3.5 ¶610690596
TRN V 18 12 14 19.9 13.76N 58.83W 56 4.3,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=43.7km s-min=26.6km az=5.0.
ISC VI 21 14 40 34.1–3.5 43.31N–.10 13.8W–.20 10 86 4-9
IGIL VI 21 14 40 32.5 43.53N 14.32W 10 2.6L ¶610933094
MDD VI 21 14 40 33.5–.73 43.47N 14.07W 12–21 4.2b,3.5
INMG VI 21 14 40 35.6–1.7 43.54N 14.34W 18 2.6L,3.5
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=24.8km s-min=4.6km az=116.0.
INMG Event type ke. Error ellipse: s-maj=6.4km s-min=5.2km az=92.0.
ISC VI 26 12 40 37.6–4.0 43.1N–.10 15.6W–.20 10 58 5-10
MDD VI 26 12 40 36.0–1.1 43.10N 15.81W 0 4.4b,3.8 ¶610933119
INMG VI 26 12 40 37.2–1.9 43.27N 16.31W 16 2.8L,3.8
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=8.8km s-min=8.6km az=139.0.
INMG Event type ke. Error ellipse: s-maj=9.7km s-min=6.7km az=80.0.

(403) Northern Mid-Atlantic Ridge.
ISC I 17 10 41 53.3–.74 32.7N–.20 39.90W–.10 13 4.3b,3.9s 43 25-170
IDC I 17 10 41 51.5–.93 32.77N 39.89W 0 4.0,4.0b ¶610237591
NEIC I 17 10 41 53.2–2.0 32.6N–.10 40.0W–.10 10–1 4.7b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 18 13 51 35.6–.46 32.80N–.09 39.68W–.08 8 4.6b,4.2s 60 19-169
IDC I 18 13 51 34.7–.64 32.88N 39.77W 0 4.1s,4.1 ¶610100851
NEIC I 18 13 51 36.6–1.5 32.80N–.06 39.7W–.10 10–1 4.8b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 18 15 04 06.1–1.2 32.9N–.20 39.6W–.20 8 3.9b,3.8s 7 28-87
IDC I 18 15 04 04.9–1.3 32.87N 39.56W 0 3.8s,3.8 ¶610237672
ISC Event type ke.
IDC Error ellipse: s-maj=39.4km s-min=26.1km az=156.0.
ISC I 18 18 01 01.3–.49 32.85N–.09 39.77W–.10 22 4.7b,3.8s 58 21-93
IDC I 18 18 00 57.5–.73 32.82N 39.79W 0 4.1,4.1b ¶610237678
NEIC I 18 18 01 00.3–1.9 32.8N–.10 39.87W–.08 10–1 4.9b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC I 19 13 46 55.5–2.7 16.51N 46.58W 0 3.8,3.8b
¶610237728
IDC Error ellipse: s-maj=128.5km s-min=30.5km az=85.0.
IDC I 20 04 11 05.8–2.1 46.94N 27.35W 0 3.6s,3.6
¶610234915
IDC Error ellipse: s-maj=76.2km s-min=35.2km az=49.0.
ISC I 20 13 09 20.4–.76 45.1N–.10 28.04W–.10 14 3.9s,3.8b 20 19-154
IDC I 20 13 09 18.2–.85 45.09N 28.06W 0 4.1L,3.8s ¶610234937
GCMT I 20 13 09 21.0–.30 45.14N–.04 28.04W–.03 14–1 4.8W,3.8s
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. Moment Tensor Solution. s18,c18; s87,c109;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.94±.17 $M_{\theta\theta}$0.04±.11; $M_{\phi\phi}$1.90±.12; $M_{r\theta}$0.30±.32; $M_{\theta\phi}$0.29±.07; $M_{\phi r}$0.71±.24; Best double couple: NP1:ϕ_s194.00000°,δ56.00000°,λ-84.00000°. NP2:ϕ_s4.00000°,δ35.00000°,λ-98.00000°. Principal axes: T 2.0850,Plg11.0000°,Azm280.0000°; N 0.0080,Plg5.0000°,Azm11.0000°; P -2.0950,Plg78.0000°,Azm125.0000° $M_0$2.09000×10^{16}
ISC I 21 20 47 21.2–.96 31.7N–.20 40.9W–.20 14 3.9b,3.7s 9 26-171
IDC I 21 20 47 19.1–1.1 31.65N 40.93W 0 3.9,3.9b ¶610235019
ISC Event type ke.
IDC Error ellipse: s-maj=31.8km s-min=24.6km az=174.0.
ISC I 23 10 17 14.2–.28 33.67N–.06 37.87W–.05 10 5.0b,4.1s 595 21-168
IDC I 23 10 17 12.6–.46 33.70N 37.90W 0 4.5,4.5b ¶611831637
MOS I 23 10 17 12.3–.99 33.69N 37.88W 10 5.1b,4.5b
NEIC I 23 10 17 14.4–1.9 33.69N–.08 37.84W–.10 10–1 5.1b,4.5b
GCMT I 23 10 17 15.4–.30 33.90N–.03 37.77W–.03 13–1 5.0W,4.5b
ISC Event type se.

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s11,c12; s82,c104;Duration: 0
Moment tensor: Scale 10^16Nm; Mrr-3.24±.34 Mθθ1.74±.21; Mφφ1.49±.19; Mrθ-1.16±.50; Mθφ2.16±.12; Mφr-1.73±.53; Best double couple: NP1:φs39.00000°,δ60.00000°,λ-98.00000°. NP2:φs235.00000°,δ31.00000°,λ-76.00000°. Principal axes: T 4.3270,Plg15.0000° ,Azm135.0000°; N -0.4910,Plg7.0000°,Azm43.0000°; P -3.8460,Plg73.0000°,Azm289.0000° M0 4.08600×10^16
ISC I 25 06 04 01.5–.57 47.5N–.10 27.44W–.09 6 4.4b,3.6s 42 9-152
IDC I 25 06 04 00.2–.94 47.45N 27.55W 0 4.3L,3.8 ¶610235300
NEIC I 25 06 04 02.4–1.0 47.48N–.04 27.4W–.20 10–2 4.5b,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 30 08 34 22.7–.46 34.59N–.09 36.64W–.08 13 4.5b,3.8s 51 8-92
IDC I 30 08 34 21.2–.69 34.60N 36.62W 0 3.9,3.9b ¶610235710
NEIC I 30 08 34 22.6–2.6 34.7N–.10 36.6W–.10 10–1 4.7b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 30 13 37 25.1–.26 34.58N–.05 36.64W–.05 13 5.1b,4.4s 859 10-166
MOS I 30 13 37 23.0–.88 34.56N 36.74W 10 5.2b,4.4s ¶610148021
IDC I 30 13 37 23.3–.41 34.59N 36.65W 0 4.5,4.5b
GCMT I 30 13 37 24.8–.20 34.82N–.01 36.56W–.01 12 5.1W,4.5b
NEIC I 30 13 37 24.8–1.4 34.60N–.06 36.59W–.07 10–1 5.2b,4.5b
ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s38,c53; s109,c173;Duration: 0
Moment tensor: Scale 10^16Nm; Mrr-3.84±.14 Mθθ2.01±.14; Mφφ1.82±.11; Mrθ-0.42±.39; Mθφ4.55±.10; Mφr-1.16±.37; Best double couple: NP1:φs28.00000°,δ54.00000°,λ-114.00000°. NP2:φs246.00000°,δ42.00000°,λ-61.00000°. Principal axes: T 6.5850,Plg6.0000° ,Azm135.0000°; N -2.4500,Plg19.0000°,Azm43.0000°; P -4.1450,Plg70.0000° ,Azm242.0000° M0 5.36500×10^16
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 30 14 39 18.4–.97 47.6N–.20 28.5W–.10 10 3.6b,3.5s 11 18-152
IDC I 30 14 39 16.8–1.1 47.57N 28.51W 0 4.1L,3.6 ¶610235740
ISC Event type ke.
IDC Error ellipse: s-maj=36.4km s-min=20.6km az=21.0.
ISC I 31 00 55 00.5–.52 34.62N–.04 36.50W–.03 10–3 5.3b,5.0s 1585 6-177
IDC I 31 00 54 58.6–.36 34.65N 36.57W 0 4.9s,4.9 ¶611831695
MOS I 31 00 54 59.4–.90 34.62N 36.52W 12 5.4b,4.9s
BJI I 31 00 54 59.1–.00 34.97N 36.85W 10 5.9b,5.5s
GCMT I 31 00 55 01.9–.10 34.76N–.01 36.62W–.01 12 5.5W,5.5s
NEIC I 31 00 55 01.8–1.4 34.61N–.08 36.44W–.10 10–1 5.4,5.3b
ISC Event type se. NP1:φs189.72939°,δ72.10677°,λ-115.43354°. NP2: φs66.86375°,δ30.75044°,λ-36.93498°. Principal axes: T Plg22.9816°,Azm298.9895° ; N Plg24.1226°,Azm198.0421°; P Plg55.5828°,Azm67.2309°
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s77,c112; s147,c274;Duration: 1$4
Moment tensor: Scale 10^17Nm; Mrr-2.09±.04 Mθθ-0.05±.05; Mφφ2.14±.03; Mrθ-0.17±.15; Mθφ1.52±.03; Mφr-0.18±.11; Best double couple: NP1:φs30.00000°,δ48.00000°,λ-86.00000°. NP2:φs204.00000°,δ42.00000°,λ-95.00000°. Principal axes: T 2.9300,Plg3.0000° ,Azm117.0000°; N -0.8240,Plg3.0000°,Azm207.0000°; P -2.1060,Plg86.0000° ,Azm346.0000° M0 2.51800×10^17
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^17Nm; Mrr0.46 Mθθ-0.92 Mφφ0.46 Mrθ0.59 Mθφ1.33 Mφr0.69 NP1:φs81.01000°,δ70.70000°,λ27.59000°. NP2:φs341.21000°,δ64.08000° ,λ158.44000°. Principal axes: T 1.8413,Plg33.0000°,Azm303.0000°; N -0.1052,Plg57.0000° ,Azm113.0000°; P -1.7362,Plg4.0000°,Azm210.0000° M0 1.79000×10^17
ISC II 03 14 28 04.6–.60 17.7N–.10 46.38W–.10 10 4.5b,3.8s 40 14-97
IDC II 03 14 28 02.9–.72 17.70N 46.41W 0 4.1,4.1b ¶610414745
NEIC II 03 14 28 06.8–.93 17.9N–.20 46.5W–.20 10–2 4.7b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 04 19 18 55.0–.99 18.9N–.20 46.2W–.20 15 3.7b 6 15-78
IDC II 04 19 18 52.6–1.1 18.96N 46.15W 0 3.7,3.7b ¶610414839
ISC Event type ke.
IDC Error ellipse: s-maj=35.3km s-min=28.0km az=178.0.
ISC II 04 19 32 45.4–.66 18.9N–.10 46.2W–.10 15 4.0b,3.5s 13 15-82
IDC II 04 19 32 43.0–.70 18.94N 46.19W 0 4.0,4.0b ¶610414842
ISC Event type ke.
IDC Error ellipse: s-maj=21.5km s-min=17.5km az=129.0.
ISC II 05 01 58 15.4–1.0 19.2N–.20 46.2W–.20 15 3.7b 6 39-77
IDC II 05 01 58 13.1–1.2 19.23N 46.20W 0 3.6,3.6b ¶610414854
ISC Event type ke.
IDC Error ellipse: s-maj=34.1km s-min=30.7km az=15.0.
ISC II 05 02 08 08.5–.95 18.8N–.20 46.2W–.20 15 3.7b,3.5s 7 19-82
IDC II 05 02 08 06.1–1.1 18.81N 46.16W 0 3.7,3.7b ¶610414857
ISC Event type ke.
IDC Error ellipse: s-maj=34.9km s-min=25.0km az=165.0.
IDC II 09 02 57 05.9–3.9 23.59N 45.42W 0 3.5,3.5b ¶610415154
IDC Error ellipse: s-maj=175.1km s-min=32.1km az=25.0.
ISC II 17 16 10 49.8–2.2 22.3N–.50 45.4W–.20 10 3.6b,3.5s 8 18-75
IDC II 17 16 10 48.2–2.5 22.24N 45.37W 0 3.6,3.6b ¶610415705
ISC Event type ke.
IDC Error ellipse: s-maj=78.8km s-min=26.5km az=13.0.
IDC II 18 06 46 06.8–16 26.82N 44.85W 0 3.3,3.3b ¶610415744
IDC Error ellipse: s-maj=360.6km s-min=72.8km az=143.0.
ISC II 18 07 04 17.4–.52 26.35N–.09 44.63W–.08 11 4.5b,3.7s 67 18-94
IDC II 18 07 04 15.4–.72 26.36N 44.69W 0 4.1,4.1b ¶610243812
NEIC II 18 07 04 18.2–1.8 26.3N–.10 44.6W–.10 10–1 4.6b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC II 18 07 08 14.6–2.1 25.85N 43.78W 0 3.7s,3.4 ¶610415745
IDC Error ellipse: s-maj=95.7km s-min=29.0km az=21.0.
IDC II 20 21 00 11.4–30 26.37N 45.63W 0 3.5,3.5b ¶610384703
IDC Error ellipse: s-maj=1378.0km s-min=35.5km az=31.0.
ISC II 22 15 59 35.7–2.1 21.5N–.60 45.7W–.20 15 3.7b,3.4s 6 20-82
IDC II 22 15 59 33.4–2.5 21.52N 45.65W 0 3.6,3.6b ¶610384818
ISC Event type ke.
IDC Error ellipse: s-maj=93.9km s-min=29.2km az=15.0.
ISC II 25 09 03 05.7–.42 35.02N–.08 35.24W–.06 10 4.6b,3.9s 121 6-99
IDC II 25 09 03 04.6–.62 35.04N 35.08W 0 4.0,4.0b ¶610241221
NEIC II 25 09 03 06.3–1.6 35.1N–.10 35.3W–.10 10–1 4.7b,4.0b
GCMT II 25 09 03 09.3–.20 35.24N–.01 35.25W–.01 24–1 5.0W,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s48,c55; s120,c172;Duration: 0
Moment tensor: Scale 10^16Nm; Mrr-0.07±.14 Mθθ1.38±.12; Mφφ-1.31±.10; Mrθ-0.82±.18; Mθφ3.71±.10; Mφr-0.35±.14; Best double couple: NP1:φs280.00000°,δ84.00000°,λ10.00000°. NP2:φs189.00000°,δ80.00000°,λ174.00000°. Principal axes: T 4.1600,Plg12.0000° ,Azm145.0000°; N -0.2390,Plg78.0000°,Azm311.0000°; P -3.9200,Plg3.0000°,Azm55.0000° M0 4.04000×10^16
ISC II 28 11 08 05.9–1.0 49.5N–.30 28.7W–.20 17 3.4b,3.4s 6 29-151
IDC II 28 11 08 03.3–1.2 49.50N 28.66W 0 3.4s,3.3 ¶610385198
ISC Event type ke.
IDC Error ellipse: s-maj=50.2km s-min=27.1km az=22.0.
ISC III 01 09 08 15.3–.54 49.54N–.05 28.55W–.04 11–3 4.8b,4.5s 531 14-152
BJI III 01 09 08 12.1–.00 49.73N 29.07W 7 5.3b,5.0s ¶610242131
MOS III 01 09 08 13.6–.96 49.59N 28.54W 10 4.8b,4.4s
IDC III 01 09 08 13.7–.46 49.58N 28.57W 0 4.4s,4.3
IGIL III 01 09 08 15.8 49.57N 28.55W 10 4.7b,4.3
NEIC III 01 09 08 15.5–1.3 49.59N–.10 28.5W–.10 10–1 4.8b,4.3
GCMT III 01 09 08 15.5–.10 49.64N–.02 28.40W–.01 12 5.1W,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s58,c79; s134,c213;Duration: 0
Moment tensor: Scale 10^16Nm; Mrr-5.24±.11 Mθθ-0.03±.12; Mφφ5.27±.08; Mrθ1.47±.37; Mθφ0.45±.09; Mφr-0.29±.27; Best double couple: NP1:φs350.00000°,δ48.00000°,λ-110.00000°. NP2:φs199.00000°,δ46.00000°,λ-69.00000°. Principal axes: T 5.3110,Plg1.0000° ,Azm95.0000°; N 0.3330,Plg15.0000°,Azm4.0000°; P -5.6400,Plg75.0000°,Azm188.0000° M0 5.47600×10^16
ISC III 01 09 14 50.0–1.2 50.0N–.30 28.7W–.20 10 3.3b 6 44-150
IDC III 01 09 14 48.5–1.4 50.06N 28.72W 0 3.3,3.3b ¶610545309
ISC Event type ke.
IDC Error ellipse: s-maj=50.6km s-min=30.5km az=32.0.
ISC III 02 11 16 22.3–1.8 24.5N–.60 46.2W–.20 10 3.8b 6 45-73
IDC III 02 11 16 20.7–2.1 24.48N 46.17W 0 3.6,3.6b ¶610545381
ISC Event type ke.
IDC Error ellipse: s-maj=90.6km s-min=29.0km az=19.0.
ISC III 05 08 40 10.6–.86 50.0N–.20 28.9W–.10 10 3.8b,3.4s 16 16-151
IDC III 05 08 40 09.0–.92 49.93N 28.88W 0 3.8L,3.7 ¶610545580
ISC Event type ke.
IDC Error ellipse: s-maj=29.8km s-min=16.1km az=12.0.
ISC III 06 12 36 41.0–.88 22.2N–.20 45.2W–.20 10 3.7s,3.6b 8 18-83
IDC III 06 12 36 39.6–1.1 22.19N 45.17W 0 3.7,3.7L ¶610545659
ISC Event type ke.
IDC Error ellipse: s-maj=28.3km s-min=26.3km az=140.0.
IDC III 06 15 31 27.2–21 26.32N 44.74W 0 3.5,3.5b ¶610545672
IDC Error ellipse: s-maj=472.5km s-min=137.2km az=155.0.
IDC III 07 19 04 04.4–2.5 22.12N 45.29W 0 3.4,3.4b ¶610545752
IDC Error ellipse: s-maj=107.0km s-min=30.7km az=21.0.
ISC III 08 08 10 54.2–1.0 31.4N–.20 41.0W–.20 14 3.7b,3.6s 7 30-68
IDC III 08 08 10 52.0–1.1 31.43N 41.01W 0 3.6s,3.6 ¶610545788
ISC Event type ke.
IDC Error ellipse: s-maj=38.7km s-min=25.0km az=34.0.
ISC III 11 12 53 30.1–1.7 23.3N–.40 45.0W–.10 10 3.5b 9 45-74
IDC III 11 12 53 28.6–1.9 23.27N 44.99W 0 3.5,3.5b ¶616204261
ISC Event type ke.
IDC Error ellipse: s-maj=61.9km s-min=22.0km az=8.0.
ISC III 11 12 53 41.5–.38 23.44N–.08 44.99W–.06 15 4.8b,3.8s 613 20-179
BGR III 11 12 53 35.1 22.42N 45.12W 10 4.8b,3.8s ¶610546014
MOS III 11 12 53 39.4–.91 23.53N 44.99W 10 5.0b,3.8s
IDC III 11 12 53 39.0–.53 23.50N 44.98W 0 4.5,4.5b
NEIC III 11 12 53 41.8–1.3 23.5N–.10 45.0W–.10 10–1 5.0b,4.5b
ISC Event type ke.
BGR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 17 22 44 35.8–.36 30.32N–.07 41.84W–.06 15 4.7b,3.8s 288 14-172
IDC III 17 22 44 32.8–.58 30.31N 41.86W 0 4.1,4.1b ¶610344622
NEIC III 17 22 44 35.9–1.3 30.3N–.10 41.9W–.10 10–1 4.7b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 18 06 13 25.8–1.0 29.1N–.20 43.4W–.20 14 3.8b,3.3s 7 24-75
IDC III 18 06 13 23.7–1.1 29.11N 43.38W 0 3.7,3.7b ¶610546433
ISC Event type ke.
IDC Error ellipse: s-maj=38.6km s-min=25.1km az=30.0.
IDC III 25 05 57 30.0–24 34.15N 38.40W 0 3.4s,3.4 ¶610543630
IDC Error ellipse: s-maj=918.1km s-min=50.5km az=176.0.
ISC IV 08 06 34 40.2–1.1 17.1N–.10 46.4W–.20 10 3.8b,3.4s 6 13-79
IDC IV 08 06 34 39.0–1.2 17.22N 46.41W 0 3.7,3.6b ¶610652205
ISC Event type ke.
IDC Error ellipse: s-maj=31.7km s-min=29.8km az=109.0.
ISC IV 10 11 32 33.6–.85 12.6N–.20 44.1W–.20 10 3.9b 9 11-84
IDC IV 10 11 32 32.2–.91 12.65N 44.08W 0 4.7L,4.0 ¶610652377
ISC Event type ke.
IDC Error ellipse: s-maj=30.7km s-min=19.5km az=139.0.
ISC IV 11 06 11 32.8–1.1 13.3N–.20 44.9W–.20 15 4.1b,3.5s 6 11-83
IDC IV 11 06 11 30.7–1.2 13.32N 44.88W 0 4.1,4.0b ¶610652430
ISC Event type ke.
IDC Error ellipse: s-maj=35.3km s-min=27.4km az=118.0.
ISC IV 14 15 11 09.5–.52 15.49N–.07 46.88W–.08 10 4.6b,3.6s 161 12-100
IDC IV 14 15 11 07.8–.83 15.44N 46.79W 0 4.2,4.1b ¶610652735
NEIC IV 14 15 11 09.7–1.5 15.4N–.10 46.9W–.10 10–1 4.6b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 15 20 11 06.9–.35 52.13N–.07 30.77W–.04 10 4.5b,3.8s 431 12-149
BGR IV 15 20 10 59.9 50.76N 31.60W 10 4.4b,3.6s ¶611832312
IDC IV 15 20 11 05.3–.64 52.13N 30.90W 0 4.6L,4.2
NEIC IV 15 20 11 07.2–.93 52.15N–.10 30.7W–.10 10–1 4.5b,4.2
GCMT IV 15 20 11 09.2–.40 52.11N–.02 30.67W–.03 16–1 4.8W,4.2
ISC Event type ke.
BGR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s19,c22; s78,c98;Duration: 0
Moment tensor: Scale 10^16Nm; Mrr-0.31±.09 Mθθ-0.06±.07; Mφφ0.37±.07; Mrθ0.49±.21; Mθφ-1.54±.06; Mφr0.58±.23; Best double couple: NP1:φs181.00000°,δ74.00000°,λ-22.00000°. NP2:φs277.00000°,δ69.00000°,λ-163.00000°. Principal axes: T 1.7170,Plg4.0000° ,Azm230.0000°; N 0.0640,Plg63.0000°,Azm327.0000°; P -1.7800,Plg27.0000° ,Azm138.0000° M0 1.74800×10^16
ISC IV 15 22 31 53.5–.92 14.8N–.20 45.2W–.20 14 3.7b,3.4s 6 12-82
IDC IV 15 22 31 51.4–1.1 14.84N 45.20W 0 4.2L,3.8 ¶610652827
ISC Event type ke.
IDC Error ellipse: s-maj=35.4km s-min=26.4km az=112.0.
ISC IV 23 19 31 41.3–1.2 52.1N–.20 30.8W–.20 10 3.5b 6 17-66
IDC IV 23 19 31 39.9–1.3 52.00N 30.88W 0 3.9L,3.5 ¶610649828
ISC Event type ke.
IDC Error ellipse: s-maj=47.0km s-min=22.0km az=30.0.
ISC IV 24 09 04 50.1–.80 52.4N–.10 31.79W–.09 10 3.5b,3.2s 19 14-149
IDC IV 24 09 04 48.9–.91 52.46N 31.78W 0 4.0L,3.7 ¶610649876
ISC Event type ke.
IDC Error ellipse: s-maj=27.4km s-min=15.3km az=10.0.
ISC IV 29 00 12 56.0–.78 25.7N–.10 45.2W–.20 10 3.9b 11 45-72
IDC IV 29 00 12 54.4–.85 25.65N 45.22W 0 3.8,3.8b ¶610650267
ISC Event type ke.
IDC Error ellipse: s-maj=24.7km s-min=22.2km az=129.0.
ISC IV 29 00 16 53.5–.37 25.54N–.07 45.30W–.07 11 4.6b,4.3s 214 17-126
IDC IV 29 00 16 51.3–.60 25.55N 45.30W 0 4.3s,4.1 ¶610588555
NEIC IV 29 00 16 54.3–1.3 25.5N–.10 45.3W–.10 10–1 4.6b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 29 00 31 35.6–.52 25.88N–.09 45.17W–.08 12 4.5b,4.2s 111 18-178
IDC IV 29 00 31 33.5–.70 25.88N 45.21W 0 4.3s,4.2 ¶610588556
NEIC IV 29 00 31 36.3–1.6 26.0N–.10 45.2W–.10 10–1 4.6b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 29 00 34 13.4–.65 25.5N–.10 45.3W–.10 11 4.2b 22 41-126
IDC IV 29 00 34 11.8–.61 25.55N 45.28W 0 4.0,4.0b ¶610598475
ISC Event type ke.

IDC Error ellipse: s-maj=18.9km s-min=15.8km az=130.0.
ISC IV 29 03 45 24.6–.84 25.6N–.20 45.0W–.10 10 4.3b,3.9s 30 21-99
IDC IV 29 03 45 23.3–1.1 25.67N 45.12W 0 3.8s,3.8 **¶610650281**
NEIC IV 29 03 45 24.1–1.7 25.4N–.20 45.0W–.20 10–2 4.4b,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IV 29 06 00 12.7–3.0 24.60N 45.94W 0 3.5s,3.5
¶610650285
IDC Error ellipse: s-maj=97.2km s-min=26.8km az=15.0.
ISC V 01 13 48 05.9–.30 43.55N–.05 28.79W–.05 14 4.8b 250 5-156
IDC V 01 13 48 04.1–.46 43.70N 28.91W 0 4.3L,4.1 **¶610589732**
NEIC V 01 13 48 05.7–1.4 43.63N–.06 28.79W–.09 10–1 4.8b,4.1
SVSA V 01 13 48 05.6–.92 43.75N 29.48W 10 5.3L,4.1
ISC Event type ke.
IDC Error ellipse: s-maj=13.4km s-min=11.6km az=8.0.
NEIC Event type se. Error ellipse: s-maj=14.7km s-min=5.1km az=47.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
INMG Event type ke. Error ellipse: s-maj=67.8km s-min=7.1km az=69.0.
ISC V 02 13 01 54.2–.62 52.2N–.10 30.30W–.08 10 4.5b,3.0s 31 16-149
NEIC V 02 13 01 52.5–1.7 52.1N–.10 30.6W–.20 8–5 4.6b,3.0s **¶610689388**
IDC V 02 13 01 55.0–.99 52.20N 29.98W 0 3.9L,3.4
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.3km s-min=14.4km az=159.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=35.4km s-min=19.8km az=16.0.
ISC V 05 23 55 55.7–.46 23.01N–.08 45.04W–.07 21 4.7b,4.1s 188 17-99
IDC V 05 23 55 52.4–.86 23.03N 45.03W 0 4.1,4.1b **¶610669478**
NEIC V 05 23 55 54.9–1.2 23.03N–.07 45.06W–.09 10–1 4.8b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 05 23 56 50.6–.56 22.8N–.10 45.04W–.07 21 4.6b 40 17-80
IDC V 05 23 56 48.2–1.7 22.88N 45.01W 0 4.0,4.0b **¶610669479**
NEIC V 05 23 56 49.2–2.6 22.9N–.10 45.0W–.10 10–1 4.9b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 06 00 21 01.5–.50 22.93N–.09 45.04W–.07 10 4.7b,4.2s 375 17-179
IDC V 06 00 20 59.7–.58 23.07N 45.04W 0 4.3,4.3b **¶610613138**
NEIC V 06 00 21 02.1–1.6 22.9N–.10 45.0W–.10 10–1 4.8b,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC V 07 10 46 20.1–2.0 49.71N 28.76W 0 3.2,3.1b
¶610689717
IDC Error ellipse: s-maj=132.2km s-min=28.7km az=41.0.
ISC V 18 04 11 12.0–.95 28.1N–.20 43.8W–.10 19 3.9b,3.4s 9 33-91
IDC V 18 04 11 09.0–1.0 28.06N 43.84W 0 3.8,3.8b **¶610690544**
ISC Event type ke.
IDC Error ellipse: s-maj=29.0km s-min=22.8km az=174.0.
ISC V 18 05 21 54.6–1.0 28.1N–.20 43.9W–.20 19 3.8b,3.2s 6 32-76
IDC V 18 05 21 51.8–1.2 28.06N 43.89W 0 3.6,3.6b **¶610690549**
ISC Event type ke.
IDC Error ellipse: s-maj=34.6km s-min=28.8km az=172.0.
ISC V 20 06 39 42.2–1.0 28.3N–.20 44.0W–.20 14 3.7b 6 45-70
IDC V 20 06 39 40.1–1.2 28.36N 44.05W 0 3.6,3.6b **¶610685011**
ISC Event type ke.
IDC Error ellipse: s-maj=32.3km s-min=31.3km az=150.0.
IDC V 22 02 45 35.4–2.8 45.52N 28.03W 0 3.6b,3.4
¶610685119
IDC Error ellipse: s-maj=69.1km s-min=50.9km az=55.0.
IDC V 27 11 57 07.0–2.1 49.29N 28.64W 0 3.7L,3.4b
¶610685494
IDC Error ellipse: s-maj=84.4km s-min=29.6km az=19.0.
ISC VI 10 06 25 10.2–.65 52.5N–.10 28.65W–.08 10 3.8b 23 13-148
IDC VI 10 06 25 08.8–.69 52.53N 28.66W 0 3.8,3.8b **¶610791579**
ISC Event type ke.
IDC Error ellipse: s-maj=22.7km s-min=13.6km az=8.0.
ISC VI 13 12 06 17.6–.89 35.3N–.10 35.9W–.10 14 4.5b,3.4s 59 21-85
IDC VI 13 12 06 15.6–1.3 35.38N 35.93W 0 3.8,3.8b **¶610791777**
NEIC VI 13 12 06 17.4–1.6 35.33N–.09 35.9W–.20 10–2 4.6b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VI 15 22 12 50.0–3.7 49.50N 28.41W 0 3.4,3.4b
¶610791966
IDC Error ellipse: s-maj=132.2km s-min=49.1km az=76.0.
IDC VI 19 19 58 09.8–1.3 23.46N 44.80W 0 3.8,3.8b
¶610792209
IDC Error ellipse: s-maj=39.2km s-min=31.2km az=50.0.
ISC VI 30 01 34 57.3–.49 33.74N–.04 38.62W–.03 8–2 5.4s,5.3b 2078 8-178
MOS VI 30 01 34 55.8–.92 33.73N 38.59W 10 5.5b,5.4s **¶616640069**
IDC VI 30 01 34 55.6–.33 33.76N 38.63W 0 5.2s,4.8
BJI VI 30 01 34 56.8–.00 33.83N 38.58W 11 5.9s,5.5
NEIC VI 30 01 34 58.2 33.76N 38.55W 10 5.9s,5.5
IGIL VI 30 01 34 58.4 33.82N 38.58W 10 5.4s,5.5
NEIC VI 30 01 34 58.1–1.6 33.74N–.08 38.55W–.08 10–1 5.9,5.8
NEIC VI 30 01 34 58.2 33.74N 38.55W 16 5.9,5.8
NEIC VI 30 01 34 58.2 33.94N 38.79W 16 5.9,5.8
GCMT VI 30 01 35 01.1–.10 33.79N 38.56W 20–0 6.0W,5.8
BGR VI 30 01 35 02.5 33.77N 37.66W 10 5.6s,5.1b
ISC Event type ke.
MOS Error ellipse: s-maj=7.4km s-min=3.7km az=48.3.
IDC Error ellipse: s-maj=11.7km s-min=8.7km az=132.0.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=11.5km az=206.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.15 $M_{\theta\theta}$3.57 $M_{\phi\phi}$-3.71 $M_{r\theta}$0.33 $M_{\theta\phi}$6.12 $M_{\phi r}$0.42 NP1:ϕ_s15.30000°,δ88.26000°,λ176.01000°. NP2:ϕ_s105.42000°,δ86.01000°,λ1.75000°. Principal axes: T 7.0862,Plg4.0000°,Azm330.0000°; N 0.1164,Plg86.0000°,Azm172.0000°; P -7.2026,Plg2.0000°,Azm60.0000° $M_0$7.15000×10^{17}
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 4^{s}0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.41 $M_{\theta\theta}$2.35 $M_{\phi\phi}$-1.94 $M_{r\theta}$-4.39 $M_{\theta\phi}$6.34 $M_{\phi r}$-1.74 NP1:ϕ_s280.05000°,δ81.66000°,λ28.45000°. NP2:ϕ_s185.56000°,δ61.88000°,λ170.53000°. Principal axes: T 9.1183,Plg26.0000°,Azm146.0000°; N -2.3560,Plg60.0000°,Azm295.0000°; P -6.7623,Plg13.0000°,Azm50.0000° $M_0$7.94000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s151,c296; s163,c563; Duration: 2^{s}3 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.05±.01 $M_{\theta\theta}$0.40±.01; $M_{\phi\phi}$-0.34±.01; $M_{r\theta}$-0.30±.02; $M_{\theta\phi}$0.93±.01; $M_{\phi r}$0.03±.01; Best double couple: NP1:ϕ_s281.00000°,δ90.00000°,λ17.00000°. NP2:ϕ_s191.00000°,δ73.00000°,λ180.00000°. Principal axes: T 1.0760,Plg12.0000°,Azm147.0000°; N -0.0620,Plg73.0000°,Azm282.0000°; P -1.0140,Plg11.0000°,Azm55.0000° $M_0$1.04500×10^{18}
BGR Event type ke.
IDC VI 30 04 33 11.8–1.6 33.82N 38.69W 0 3.7,3.7b
¶610789756
IDC Error ellipse: s-maj=70.8km s-min=28.7km az=28.0.

(404) Azores Islands region.

ISC I 04 19 35 48.1–.93 41.3N–.10 29.5W–.20 10 3.7b 7 3-73
IDC I 04 19 35 45.9–2.6 41.16N 29.51W 0 3.7L,3.6b **¶610236717**
ISC Event type ke.
IDC Error ellipse: s-maj=98.9km s-min=28.1km az=3.0.
IDC I 04 19 48 49.5–2.8 41.69N 29.71W 0 3.7L,3.4b
¶610236718
IDC Error ellipse: s-maj=114.8km s-min=27.5km az=178.0.
ISC I 04 19 49 54.1–2.3 41.0N–.60 29.5W–.20 10 3.7b 7 20-83
IDC I 04 19 49 52.9–2.5 41.12N 29.54W 0 3.6,3.6b **¶610236719**
ISC Event type ke.
IDC Error ellipse: s-maj=86.8km s-min=24.7km az=179.0.
ISC I 04 19 50 19.7–2.1 40.9N–.50 29.3W–.10 10 3.9b 12 19-83
IDC I 04 19 50 18.6–2.2 40.98N 29.34W 0 3.8,3.8b **¶610236722**
ISC Event type ke.
IDC Error ellipse: s-maj=71.9km s-min=19.1km az=1.0.
ISC I 04 19 50 46.4–2.2 40.7N–.50 29.4W–.20 14 3.8b 9 19-84
IDC I 04 19 50 44.5–2.6 40.71N 29.41W 0 3.8L,3.6 **¶610236725**
ISC Event type ke.
IDC Error ellipse: s-maj=84.8km s-min=24.8km az=179.0.
IDC I 04 20 10 04.6–3.0 41.40N 29.64W 0 3.6L,3.4
¶610236728
IDC Error ellipse: s-maj=145.2km s-min=31.4km az=179.0.
IDC I 25 18 53 08.6–1.4 41.83N 29.44W 0 3.8,3.8b
¶610235338
IDC Error ellipse: s-maj=103.2km s-min=28.8km az=36.0.
IDC II 02 04 24 27.9–1.6 37.14N 32.49W 0 3.6s,3.6
¶610414647
IDC Error ellipse: s-maj=68.9km s-min=33.9km az=17.0.
ISC II 06 11 27 48.5–1.1 40.0N–.30 29.9W–.20 10 3.8b,3.1s 8 20-159
IDC II 06 11 27 47.1–1.3 40.10N 29.88W 0 3.7,3.7b **¶610414966**
ISC Event type ke.
IDC Error ellipse: s-maj=44.5km s-min=23.8km az=10.0.
ISC III 04 07 18 16.9–1.8 42.9N–.30 29.3W–.20 10 3.6b,3.4s 7 19-82
IDC III 04 07 18 15.3–2.2 42.92N 29.37W 0 4.0L,3.7b **¶610545503**
ISC Event type ke.
IDC Error ellipse: s-maj=60.1km s-min=29.2km az=37.0.
IDC III 15 15 27 03.7–1.5 37.23N 32.55W 0 3.6s,3.4
¶610546255
IDC Error ellipse: s-maj=55.5km s-min=26.2km az=19.0.
ISC III 27 22 52 48.6–.61 36.5N–.10 33.58W–.08 10 4.4b 50 23-79
IDC III 27 22 52 47.1–.88 36.51N 33.58W 0 3.8,3.8b **¶610543820**
NEIC III 27 22 52 49.1–1.4 36.6N–.20 33.6W–.10 10–1 4.5b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 27 23 06 21.9–1.1 36.6N–.20 33.6W–.20 10 3.8s,3.8b 9 23-79
IDC III 27 23 06 20.4–1.2 36.59N 33.62W 0 3.7,3.7b **¶610543822**
ISC Event type ke.
IDC Error ellipse: s-maj=37.5km s-min=21.9km az=170.0.
IDC III 29 06 43 29.4–3.0 40.98N 29.96W 0 4.6L,3.5
¶610543904
IDC Error ellipse: s-maj=138.4km s-min=28.0km az=1.0.
ISC V 19 01 54 22.7–.55 41.15N–.06 29.12W–.04 10 4.6b,3.9s 71 2-158
IDC V 19 01 54 21.0–1.2 41.33N 29.31W 0 3.9s,3.6 **¶610690635**
NEIC V 19 01 54 21.4–1.9 40.80N–.07 28.73W–.06 10–1 4.7b,3.6
SVSA V 19 01 54 24.3–1.4 41.40N 29.12W 10 3.5L,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=43.2km s-min=20.4km az=13.0.
NEIC Event type se. Error ellipse: s-maj=14.3km s-min=3.8km az=330.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
INMG Event type ke. Error ellipse: s-maj=7.6km s-min=6.1km az=62.0.
ISC V 19 03 00 44.2–1.1 41.11N–.09 29.2W–.10 10 3.4b,3.2s 31 2-67
IDC V 19 03 00 42.9–1.5 41.18N 29.36W 0 3.4,3.4b **¶610690638**
SVSA V 19 03 00 46.5–.93 41.30N 29.35W 10 3.2L,3.4b
ISC Event type ke.
IDC Error ellipse: s-maj=96.4km s-min=30.9km az=36.0.
INMG Event type ke. Error ellipse: s-maj=8.0km s-min=4.4km az=84.0.
SVSA VI 14 23 50 11.9–1.1 36.99N 24.45W 5 3.6L
¶611070036
INMG Event type ke. Error ellipse: s-maj=5.0km s-min=3.7km az=77.0.
ISC VI 15 15 14 56.1–.91 37.78N–.06 31.74W–.08 10 3.8b,3.5s 23 2-89
IDC VI 15 15 14 54.8–1.0 37.69N 32.03W 0 3.7,3.7b **¶610791947**
SVSA VI 15 15 14 57.8–.91 37.48N 31.99W 10 4.0L,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=34.3km s-min=24.2km az=7.0.
INMG Event type ke. Error ellipse: s-maj=6.9km s-min=2.9km az=58.0.
IDC VI 22 02 33 06.1–1.6 42.61N 29.42W 0 4.2L,3.6
¶610789244
IDC Error ellipse: s-maj=96.0km s-min=25.6km az=17.0.

(405) Azores Islands.

ISC II 06 10 19 02.6–.56 39.55N–.08 29.70W–.06 10 4.0b,3.2s 22 1-159
IDC II 06 10 19 01.7–.75 39.71N 29.77W 0 4.1L,4.0 **¶610414961**
ISC Event type ke.
IDC Error ellipse: s-maj=24.1km s-min=13.3km az=174.0.
ISC III 01 17 10 49.7–1.5 39.12N–.09 29.87W–.04 3–10 4.4b,3.5s 94 1-159
IDC III 01 17 10 52.0–1.2 39.72N 30.19W 0 3.9,3.9b **¶610545333**
NEIC III 01 17 10 51.1–1.3 38.9N–.10 29.81W–.08 13–4 4.5b,3.9b
SVSA III 01 17 10 53.0–1.1 39.36N 29.90W 10 3.7L,3.9b
ISC Event type ke.
IDC Error ellipse: s-maj=35.7km s-min=18.4km az=179.0.
NEIC Event type se. Error ellipse: s-maj=17.5km s-min=9.2km az=173.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
INMG Event type ke. Error ellipse: s-maj=5.9km s-min=2.1km az=29.0.
ISC III 12 00 04 11.4–1.6 39.81N–.07 29.70W–.04 4–11 3.7b,3.6s 57 1-96
IDC III 12 00 04 11.7–.69 39.98N 29.72W 0 4.3L,3.7 **¶610546043**
SVSA III 12 00 04 14.9–1.3 40.03N 29.76W 10 3.7L,3.7
GCMT III 12 00 04 14.0–.40 40.37N–.06 29.69W–.04 20–1 4.8W,3.7
ISC Event type ke.
SVSA Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. Moment Tensor Solution. s11,c11; s72,c91;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.69±.15 $M_{\theta\theta}$0.50±.10; $M_{\phi\phi}$1.19±.09; $M_{r\theta}$1.13±.26; $M_{\theta\phi}$-0.15±.06; $M_{\phi r}$0.17±.17; Best double couple: NP1:ϕ_s323.00000°,δ52.00000°,λ-120.00000°. NP2:ϕ_s186.00000°,δ46.00000°,λ-57.00000°. Principal axes: T 1.2260,Plg3.0000°,Azm73.0000°; N 0.9570,Plg23.0000°,Azm342.0000°; P -2.1820,Plg67.0000°,Azm171.0000° $M_0$1.70400×10^{16}
ISC III 29 06 29 29.7–.33 39.73N–.05 29.60W–.04 14 5.0b,5.0s 413 1-159
IDC III 29 06 29 27.9–.54 39.87N 29.75W 0 5.1L,4.9s **¶610441415**
NEIC III 29 06 29 28.7–2.4 39.70N–.10 29.5W–.10 10–1 5.4,5.1b
GCMT III 29 06 29 30.7–.20 40.06N–.03 29.61W–.02 14–1 5.4W,5.1b
IGIL III 29 06 29 31.4 39.74N 29.36W 10 4.7b,5.1b
SVSA III 29 06 29 31.0–.91 39.99N 29.51W 10 4.2L,5.1b
MOS III 29 06 29 34.8–1.0 39.96N 29.60W 10 5.1b,4.9s
NEIC III 29 06 29 34.1 40.18N 29.14W 10 5.1b,4.9s
NEIC III 29 06 29 34.1 40.38N 29.80W 12 5.1b,4.9s
ISC Event type ke.
IDC Error ellipse: s-maj=15.3km s-min=10.2km az=176.0.
NEIC Event type se. Error ellipse: s-maj=17.6km s-min=12.9km az=206.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s28,c34; s110,c178;Duration: 1^{s}2 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.37±.10 $M_{\theta\theta}$0.23±.06; $M_{\phi\phi}$1.14±.06; $M_{r\theta}$0.01±.18; $M_{\theta\phi}$0.33±.03; $M_{\phi r}$-0.53±.12; Best double couple: NP1:ϕ_s11.00000°,δ56.00000°,λ-97.00000°. NP2:ϕ_s204.00000°,δ35.00000°,λ-80.00000°. Principal axes: T 1.3400,Plg11.0000°,Azm106.0000°; N 0.1430,Plg6.0000°,Azm15.0000°; P -1.4820,Plg78.0000°,Azm257.0000° $M_0$1.41100×10^{17}
INMG Event type ke. Error ellipse: s-maj=5.2km s-min=3.2km az=49.0.
MOS Error ellipse: s-maj=8.9km s-min=5.2km az=47.2.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2^{s}6 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.23 $M_{\theta\theta}$0.35 $M_{\phi\phi}$0.87 $M_{r\theta}$0.57 $M_{\theta\phi}$0.12 $M_{\phi r}$0.66 NP1:ϕ_s209.04000°,δ64.53000°,λ-80.73000°. NP2:ϕ_s8.27000°,δ27.00000°,λ-108.68000°. Principal axes: T 1.1648,Plg19.0000°,Azm292.0000°; N 0.3919,Plg8.0000°,Azm25.0000°; P -1.5567,Plg69.0000°,Azm138.0000° $M_0$1.36000×10^{17}

ISC III 29 06 35 16.6–.65 39.83N–.04 29.60W–.03 11–3 5.3b,4.7s 825 1-159
IDC III 29 06 35 14.8–.44 39.87N 29.74W 0 4.7s,4.5 ¶611832153
MOS III 29 06 35 14.7–.89 39.89N 29.66W 10 5.3b,4.6s
BJI III 29 06 35 14.0–.00 39.90N 29.60W 10 5.8b,5.4s
NEIC III 29 06 35 16.8–2.0 39.90N–.09 29.7W–.10 10–1 5.3b,5.4s
IGIL III 29 06 35 16.5 39.93N 29.64W 10 5.1b,5.4s
SVSA III 29 06 35 18.1–1.6 39.95N 29.52W 10 4.1L,5.4s
BGR III 29 06 35 36.4 41.45N 27.59W 10 5.1b,5.4s
ISC Event type ke.
IDC Error ellipse: s-maj=13.0km s-min=9.0km az=173.0.
MOS Error ellipse: s-maj=7.8km s-min=4.4km az=48.7.
NEIC Event type se. Error ellipse: s-maj=16.2km s-min=13.8km az=332.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
INMG Event type ke. Error ellipse: s-maj=8.6km s-min=3.8km az=21.0.
BGR Event type ke.
ISC III 29 06 39 48.4–1.2 39.9N–.30 29.6W–.10 11 3.7b 7 20-75
IDC III 29 06 39 46.8–1.2 39.91N 29.67W 0 4.1L,3.6 ¶610543903
ISC Event type ke.
IDC Error ellipse: s-maj=43.8km s-min=21.2km az=14.0.
ISC III 29 06 46 38.5–1.1 39.8N–.20 29.6W–.10 11 3.5b 8 20-75
IDC III 29 06 46 36.9–1.3 39.81N 29.60W 0 4.3s,4.0L ¶610543905
ISC Event type ke.
IDC Error ellipse: s-maj=39.8km s-min=21.8km az=8.0.
ISC III 29 06 49 32.4–1.2 39.9N–.30 29.6W–.10 11 3.7b 6 20-75
IDC III 29 06 49 30.6–1.4 39.94N 29.58W 0 4.5s,3.7 ¶610543906
ISC Event type ke.
IDC Error ellipse: s-maj=48.5km s-min=26.6km az=10.0.
ISC III 29 07 02 53.2–1.1 39.6N–.30 29.6W–.20 10 3.6b 7 2-75
IDC III 29 07 02 52.4–1.3 39.99N 29.58W 0 3.6,3.6b ¶610543907
ISC Event type ke.
IDC Error ellipse: s-maj=50.1km s-min=28.6km az=20.0.
ISC IV 07 14 54 28.9–1.2 38.09N–.05 26.67W–.03 4–8 3.8b,3.6s 73 1-85
IDC IV 07 14 54 31.0–1.6 38.38N 26.46W 0 4.1L,3.8 ¶610652163
SVSA IV 07 14 54 33.8–1.2 38.20N 26.60W 5 4.0L,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=36.2km s-min=26.0km az=41.0.
INMG Event type ke. Error ellipse: s-maj=4.3km s-min=1.2km az=33.0.
SVSA IV 07 14 59 25.3–1.5 38.20N 26.56W 5 3.0L ¶610666991
INMG Event type ke. Error ellipse: s-maj=7.7km s-min=1.9km az=37.0.
SVSA IV 23 11 21 29.0–1.2 38.16N 26.45W 1–3 3.7L ¶610667045
INMG Event type ke. Error ellipse: s-maj=4.9km s-min=1.3km az=33.0.

(406) Central Mid-Atlantic Ridge.

ISC I 04 09 37 57.7–.73 7.6N–.10 36.7W–.20 24 3.8b,3.6s 12 13-97
IDC I 04 09 37 54.4–1.0 7.65N 36.71W 0 3.9L,3.8 ¶610236689
GCMT I 04 09 37 58.0–.40 7.61N–.06 36.46W–.03 14–1 4.7W,3.8
ISC Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. Moment Tensor Solution. s10,c10; s74,c94;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.46±.16 $M_{\theta\theta}$0.20±.09; $M_{\phi\phi}$1.26±.10; $M_{r\theta}$0.18±.32; $M_{\theta\phi}$-0.16±.06; $M_{\phi r}$-0.49±.18; Best double couple: NP1:ϕ_s348.00000°,δ55.00000°,λ-94.00000°. NP2:ϕ_s175.00000°,δ35.00000°,λ-84.00000°. Principal axes: T 1.3760,Plg10.0000°,Azm81.0000°; N 0.1790,Plg3.0000°,Azm350.0000°; P -1.5590,Plg79.0000°,Azm243.0000° $M_0$1.46800×10^{16}
ISC I 04 11 30 08.4–1.2 7.9N–.20 36.8W–.30 10 3.8b,3.5s 7 16-92
IDC I 04 11 30 06.7–1.3 7.94N 36.81W 0 3.7,3.7b ¶610236697
ISC Event type ke.
IDC Error ellipse: s-maj=44.9km s-min=30.2km az=130.0.
ISC I 08 16 21 29.4–.38 0.94N–.07 26.98W–.07 10 4.7b,4.0s 105 11-154
IDC I 08 16 21 28.2–.62 1.00N 26.97W 0 5.2L,4.2 ¶610236971
NEIC I 08 16 21 29.9–1.6 0.90N–.10 26.85W–.09 10–1 4.9b,4.2
GCMT I 08 16 21 31.9–.30 1.03N–.02 26.69W–.01 13–1 4.9W,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s29,c33; s110,c148;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.47±.09 $M_{\theta\theta}$0.66±.10; $M_{\phi\phi}$-0.18±.09; $M_{r\theta}$1.36±.30; $M_{\theta\phi}$-2.38±.10; $M_{\phi r}$0.32±.21; Best double couple: NP1:ϕ_s268.00000°,δ82.00000°,λ-149.00000°. NP2:ϕ_s173.00000°,δ59.00000°,λ-9.00000°. Principal axes: T 2.8780,Plg15.0000°,Azm37.0000°; N -0.1170,Plg58.0000°,Azm281.0000°; P -2.7600,Plg27.0000°,Azm135.0000° $M_0$2.81900×10^{16}
IDC I 08 21 57 36.1–1.3 8.04N 37.83W 0 3.7,3.7b ¶610236984
IDC Error ellipse: s-maj=63.6km s-min=27.3km az=116.0.
IDC I 11 05 40 40.6–8.1 9.65N 41.70W 0 3.6,3.6b ¶610237129
IDC Error ellipse: s-maj=325.6km s-min=32.6km az=16.0.
IDC I 21 05 41 58.0–1.4 0.91S 24.50W 0 4.3s,3.9 ¶610234979
IDC Error ellipse: s-maj=68.7km s-min=32.5km az=161.0.
ISC I 23 04 55 26.7–.98 8.8N–.10 40.2W–.10 10 3.7b,3.3s 23 12-95
IDC I 23 04 55 24.9–1.2 8.91N 40.19W 0 4.0L,3.7 ¶610235164
ISC Event type ke.
IDC Error ellipse: s-maj=33.5km s-min=27.6km az=126.0.
ISC I 25 14 42 28.9–.78 5.3N–.20 32.8W–.10 12 3.9s,3.7b 11 12-158
IDC I 25 14 42 27.2–.84 5.36N 32.77W 0 3.9s,3.9 ¶610235330
ISC Event type ke.
IDC Error ellipse: s-maj=34.4km s-min=23.5km az=7.0.
ISC I 26 21 49 21.0–.44 0.13S–.07 18.71W–.07 14 5.0b,3.5s 63 9-144
IDC I 26 21 49 18.9–1.8 0.18S 18.79W 0 4.8L,4.3 ¶610235415
NEIC I 26 21 49 21.1–1.5 0.12S–.06 18.62W–.09 10–1 5.0b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC II 05 06 33 25.9–1.3 7.32N 34.52W 0 3.6,3.6b ¶610414860
IDC Error ellipse: s-maj=53.1km s-min=25.8km az=163.0.
ISC II 08 04 06 39.3–1.1 1.2N–.30 22.0W–.20 10 3.8b 13 14-148
IDC II 08 04 06 37.4–1.2 1.14N 21.94W 0 4.5L,3.9 ¶610415086
ISC Event type ke.
IDC Error ellipse: s-maj=46.8km s-min=22.8km az=155.0.
ISC II 15 01 34 20.1–.43 0.93N–.08 28.39W–.07 7 4.7b,3.9s 148 15-152
IDC II 15 01 34 19.3–.56 0.88N 28.32W 0 4.3,4.3b ¶610209194
NEIC II 15 01 34 20.4–1.6 0.8N–.10 28.3W–.10 10–1 4.9b,4.3b
GCMT II 15 01 34 23.5–.30 0.99N–.02 28.24W–.02 22–1 4.8W,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s26,c31; s98,c131;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.33±.11 $M_{\theta\theta}$0.37±.10; $M_{\phi\phi}$-0.04±.10; $M_{r\theta}$0.20±.14; $M_{\theta\phi}$-2.29±.09; $M_{\phi r}$0.55±.15; Best double couple: NP1:ϕ_s176.00000°,δ82.00000°,λ-14.00000°. NP2:ϕ_s268.00000°,δ76.00000°,λ-172.00000°. Principal axes: T 2.4810,Plg5.0000°,Azm223.0000°; N -0.1960,Plg74.0000°,Azm329.0000°; P -2.2850,Plg15.0000°,Azm132.0000° $M_0$2.38300×10^{16}
ISC II 18 10 58 49.0–.48 0.28N–.10 24.82W–.08 10 4.3b,3.6s 40 13-149
IDC II 18 10 58 47.9–.99 0.34N 24.93W 0 4.0,3.9b ¶610415755
NEIC II 18 10 58 49.5–1.1 0.24N–.06 24.79W–.09 10–1 4.5b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 28 20 23 36.3–1.7 0.4N–.40 25.5W–.20 12 4.0b,3.6s 11 14-149
IDC II 28 20 23 34.3–1.5 0.39N 25.43W 0 3.9,3.9b ¶610385224
ISC Event type ke.
IDC Error ellipse: s-maj=50.1km s-min=28.1km az=176.0.
ISC III 20 06 57 19.5–.53 9.57N–.09 40.54W–.08 10 4.4b,3.6s 60 13-95
IDC III 20 06 57 17.4–.79 9.69N 40.55W 0 4.2L,4.0 ¶610543310
NEIC III 20 06 57 20.6–1.9 9.54N–.05 40.6W–.10 10–1 4.6b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 27 21 26 09.0–.33 6.13N–.06 32.98W–.06 10 5.0b,3.8s 413 12-158
IDC III 27 21 26 07.8–.42 6.20N 33.03W 0 5.0L,4.5 ¶610437092
NEIC III 27 21 26 09.2–1.2 6.1N–.10 32.96W–.10 10–1 5.1b,4.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 29 09 34 25.4–.52 0.51S–.09 19.50W–.08 10 4.7b 54 9-147
IDC III 29 09 34 21.9–1.3 0.67S 19.80W 0 4.6L,4.3 ¶610453823
NEIC III 29 09 34 26.4–.95 0.52S–.09 19.47W–.10 10–1 4.7b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 31 07 38 20.3–.45 4.01N–.09 31.67W–.07 10 4.3b,3.8s 61 13-97
IDC III 31 07 38 18.6–.75 3.86N 31.58W 0 4.0,4.0b ¶610544036
NEIC III 31 07 38 20.6–1.6 4.1N–.10 31.7W–.10 10–1 4.6b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 02 15 13 40.4–1.4 0.4N–.10 18.1W–.10 10 3.3s 11 9-147
IDC IV 02 15 13 37.4–1.9 0.15S 18.49W 0 4.7,4.7L ¶610651765
ISC Event type ke.
IDC Error ellipse: s-maj=55.9km s-min=43.4km az=145.0.
IDC IV 14 06 57 13.1–6.8 0.09N 18.35W 0 4.7L,4.0 ¶610652693
IDC Error ellipse: s-maj=123.1km s-min=67.3km az=20.0.
IDC IV 26 12 12 40.6–5.9 4.86N 31.35W 0 3.6,3.6b ¶610650058
IDC Error ellipse: s-maj=248.6km s-min=34.5km az=5.0.
ISC IV 26 13 37 05.2–.52 1.0N–.10 28.68W–.10 7 4.4b,3.7s 37 10-152
IDC IV 26 13 37 04.2–.81 0.66N 28.56W 0 4.0,4.0b ¶610650061
NEIC IV 26 13 37 06.0–2.3 1.0N–.10 28.7W–.10 10–1 4.6b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 27 03 45 54.5–.34 8.68N–.06 39.54W–.06 15 4.9b,3.7s 309 14-129
IDC IV 27 03 45 51.7–.51 8.69N 39.50W 0 4.3,4.3b ¶610560090
NEIC IV 27 03 45 54.5–1.9 8.5N–.10 39.58W–.05 10–1 4.9b,4.3b
BGR IV 27 03 46 07.8 9.92N 38.47W 33 4.7b,4.3b
ISC Event type ke.
IDC Error ellipse: s-maj=16.3km s-min=12.2km az=142.0.
NEIC Event type se. Error ellipse: s-maj=24.8km s-min=9.0km az=186.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BGR Event type ke.
ISC V 29 08 57 49.4–.56 4.0N–.10 32.72W–.10 19 4.6b,3.9s 149 10-100
IDC V 29 08 57 45.6–.95 4.06N 32.57W 0 3.8s,3.8 ¶610685602
NEIC V 29 08 57 49.6–1.6 4.1N–.10 32.8W–.10 10–1 4.6b,3.8
GCMT V 29 08 57 50.6–.30 4.09N–.03 32.58W–.02 13–1 4.8W,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s29,c30; s107,c137;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.86±.11 $M_{\theta\theta}$0.25±.07; $M_{\phi\phi}$1.61±.08; $M_{r\theta}$-0.07±.23; $M_{\theta\phi}$-0.17±.04; $M_{\phi r}$-0.15±.19; Best double couple: NP1:ϕ_s356.00000°,δ47.00000°,λ-87.00000°. NP2:ϕ_s171.00000°,δ43.00000°,λ-94.00000°. Principal axes: T 1.6360,Plg2.0000°,Azm83.0000°; N 0.2370,Plg2.0000°,Azm173.0000°; P -1.8690,Plg87.0000°,Azm310.0000° $M_0$1.75300×10^{16}
ISC VI 01 03 40 29.2–.58 2.8N–.10 31.1W–.10 10 4.2b,3.6s 21 10-155
IDC VI 01 03 40 28.7–.70 2.69N 31.02W 0 4.0,4.0b ¶610791033
NEIC VI 01 03 40 29.0–1.6 2.7N–.20 31.0W–.10 10–1 4.3b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(407) North of Ascension Island.

IDC I 04 21 35 23.7–1.9 0.05S 16.24W 0 3.6,3.5b ¶610236735
IDC Error ellipse: s-maj=90.4km s-min=52.0km az=174.0.
ISC I 08 04 19 45.4–.39 3.85S–.07 12.11W–.08 10 4.8b,3.8s 155 5-139
BGR I 08 04 19 36.2 5.46S 12.50W 33 5.0b,3.8s ¶610049684
IDC I 08 04 19 43.9–.63 3.93S 12.08W 0 4.4,4.4b
NEIC I 08 04 19 46.4–1.3 3.86S–.07 12.1W–.10 10–1 5.0b,4.4b
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s178.39317°,δ9.24440°,λ-85.05657°. NP2:ϕ_s353.38501°,δ80.79028°,λ-90.80354°. Principal axes: T Plg35.7854°,Azm84.0854°; N Plg0.7932°,Azm353.5136°; P Plg54.2030°,Azm262.4136°
BGR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC II 03 07 50 45.3–8.7 2.15S 12.35W 0 3.6s,3.6 ¶610414726
IDC Error ellipse: s-maj=213.2km s-min=93.2km az=169.0.
IDC II 09 17 42 17.0–38 0.36S 17.76W 0 4.4L,4.1 ¶610415189
IDC Error ellipse: s-maj=1000.0km s-min=70.8km az=177.0.
IDC II 16 10 03 43.6–10 3.34S 11.39W 0 3.8,3.7b ¶610415624
IDC Error ellipse: s-maj=390.6km s-min=78.7km az=144.0.
ISC II 20 16 26 11.1–.57 2.4S–.10 12.3W–.10 10 4.5b,3.6s 47 6-98
IDC II 20 16 26 09.6–1.1 2.46S 12.17W 0 4.2,4.2b ¶610384693
NEIC II 20 16 26 12.2–2.3 2.4S–.10 12.3W–.10 10–1 4.7b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC II 22 01 14 54.5–12 2.63S 11.83W 0 3.9,3.8b ¶610384780
IDC Error ellipse: s-maj=409.8km s-min=76.4km az=150.0.
ISC III 05 07 19 11.0–.44 1.51S–.08 15.55W–.07 12 4.3b,4.0s 55 6-144
IDC III 05 07 19 09.4–.59 1.45S 15.70W 0 4.3L,4.1 ¶610545578
NEIC III 05 07 19 11.2–.75 1.5S–.10 15.5W–.10 10–1 4.7b,4.1
GCMT III 05 07 19 15.2–.30 1.30S–.01 15.64W–.01 12 4.9W,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s29,c32; s108,c148;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.32±.08 $M_{\theta\theta}$1.28±.07; $M_{\phi\phi}$-0.96±.08; $M_{r\theta}$-0.45±.22; $M_{\theta\phi}$-2.01±.06; $M_{\phi r}$1.52±.21; Best double couple: NP1:ϕ_s163.00000°,δ86.00000°,λ-35.00000°. NP2:ϕ_s256.00000°,δ55.00000°,λ-175.00000°. Principal axes: T 2.9050,Plg21.0000°,Azm215.0000°; N -0.2080,Plg55.0000°,Azm338.0000°; P -2.7000,Plg27.0000°,Azm114.0000° $M_0$2.80300×10^{16}
IDC III 08 11 19 36.5–7.6 0.52S 16.29W 0 3.9,3.9L ¶610545800
IDC Error ellipse: s-maj=500.8km s-min=82.4km az=137.0.
IDC IV 13 23 49 39.6–6.9 4.70S 11.65W 0 3.7,3.7b ¶610652666
IDC Error ellipse: s-maj=209.8km s-min=107.3km az=147.0.
IDC IV 13 23 50 47.2–7.0 4.90S 11.58W 0 3.8,3.8b ¶610652667
IDC Error ellipse: s-maj=213.7km s-min=99.2km az=150.0.
ISC IV 24 23 48 00.5–.98 0.1N–.20 17.1W–.10 13 4.1b 18 8-146
IDC IV 24 23 47 58.0–1.1 0.07S 17.14W 0 5.0L,4.8s ¶610649941
ISC Event type ke.
IDC Error ellipse: s-maj=43.0km s-min=15.0km az=148.0.
IDC IV 25 13 30 11.5–8.3 0.15N 16.63W 0 4.0b,3.9 ¶610649993
IDC Error ellipse: s-maj=368.3km s-min=51.5km az=130.0.

ISC V 01 11 08 16.8–.47 0.28N–.10 17.49W–.08 10 4.6b,4.3s 162 9-158
IDC V 01 11 08 14.4–.73 0.02N 17.42W 0 4.9L,4.2s ¶610589610
MOS V 01 11 08 15.1–1.0 0.20N 17.48W 10 4.9b,4.3s
NEIC V 01 11 08 18.2–1.3 0.4N–.10 17.5W–.10 10–1 4.9b,4.3s
GCMT V 01 11 08 19.2–.20 0.24N–.01 17.53W–.01 12 5.0W,4.3s
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s59,c74; s136,c195;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.49±.08 $M_{\theta\theta}$1.71±.09; $M_{\phi\phi}$-1.22±.08; $M_{r\theta}$1.37±.23; $M_{\theta\phi}$-3.64±.07; $M_{\phi r}$-0.89±.22; Best double couple: NP1:ϕ_s78.00000°,δ78.00000°,λ167.00000°. NP2:ϕ_s170.00000°,δ77.00000°,λ12.00000°. Principal axes: T 4.6830,Plg18.0000° ,Azm34.0000°; N -1.0040,Plg72.0000°,Azm216.0000°; P -3.6790,Plg1.0000°,Azm124.0000° $M_0$4.18100$\times10^{16}$
ISC V 14 22 11 07.2–.32 2.26S–.06 12.41W–.06 10 5.1b,4.5s 464 6-156
IDC V 14 22 11 05.8–.50 2.18S 12.47W 0 4.5,4.5b **¶611833883**
MOS V 14 22 11 05.5–.93 2.23S 12.47W 10 5.2b,4.5s
BJI V 14 22 11 05.0–.00 2.50S 12.50W 10 5.0b,5.0s
NEIC V 14 22 11 07.6–1.1 2.39S–.10 12.5W–.10 10–1 5.2b,5.0s
GCMT V 14 22 11 08.6–.10 2.04S–.01 12.45W–.01 12 5.2W,5.0s
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s79,c112; s142,c259;Duration: 1s0 Moment tensor: Scale 10^{16}Nm; M_{rr}-7.08±.11 $M_{\theta\theta}$2.34±.10; $M_{\phi\phi}$4.74±.10; $M_{r\theta}$2.79±.34; $M_{\theta\phi}$-3.34±.09; $M_{\phi r}$0.04±.32; Best double couple: NP1:ϕ_s309.00000°,δ54.00000°,λ-110.00000°. NP2:ϕ_s160.00000°,δ41.00000°,λ-65.00000°. Principal axes: T 7.2710,Plg7.0000° ,Azm53.0000°; N 0.6450,Plg16.0000°,Azm321.0000°; P -7.9160,Plg73.0000°,Azm165.0000° $M_0$7.59400$\times10^{16}$
ISC V 17 18 29 04.9–4.3 1.7S–.80 12.4W–.60 10 4.1b,3.4s 11 6-87
IDC V 17 18 29 02.7–4.1 1.77S 12.52W 0 4.0,4.0b **¶610690516**
ISC Event type ke.
IDC Error ellipse: s-maj=117.9km s-min=78.1km az=158.0.
ISC V 24 03 39 57.5–1.2 3.3S–.20 12.3W–.30 10 3.9b,3.5s 7 5-93
IDC V 24 03 39 56.2–1.7 3.28S 12.27W 0 3.8,3.8b **¶610685264**
ISC Event type ke.
IDC Error ellipse: s-maj=56.6km s-min=26.7km az=103.0.
IDC V 24 21 32 46.6–4.1 3.10S 12.16W 0 3.9,3.9b
¶610685321
IDC Error ellipse: s-maj=106.8km s-min=37.3km az=81.0.
ISC V 27 17 11 15.8–1.5 0.5S–.30 13.8W–.40 10 3.6s 6 7-143
IDC V 27 17 11 15.0–2.6 0.30S 13.81W 0 3.9L,3.8 **¶610685508**
GCMT V 27 17 11 16.2–.40 0.80S–.02 13.73W–.02 21–1 4.7W,3.8
ISC Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s12,c15; s94,c109;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.56±.12 $M_{\theta\theta}$0.84±.09; $M_{\phi\phi}$-0.28±.08; $M_{r\theta}$0.12±.14; $M_{\theta\phi}$-1.42±.06; $M_{\phi r}$0.26±.14; Best double couple: NP1:ϕ_s167.00000°,δ77.00000°,λ-15.00000°. NP2:ϕ_s261.00000°,δ75.00000°,λ-167.00000°. Principal axes: T 1.8090,Plg1.0000° ,Azm214.0000°; N -0.4610,Plg70.0000°,Azm308.0000°; P -1.3490,Plg20.0000° ,Azm124.0000° $M_0$1.57900$\times10^{16}$
ISC VI 29 23 37 50.3–.88 0.5N–.10 17.7W–.10 10 4.5b,3.5s 32 9-146
IDC VI 29 23 37 47.0–1.7 0.04N 17.67W 0 4.6L,4.1 **¶610785456**
NEIC VI 29 23 37 50.8–.44 0.4N–.10 17.7W–.10 10–1 4.7b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 30 19 54 01.3–4.3 4.8S–.60 11.8W–.60 10 3.9b,3.3s 8 4-72
IDC VI 30 19 53 58.7–4.5 4.91S 11.74W 0 3.8,3.8b **¶610789812**
ISC Event type ke.
IDC Error ellipse: s-maj=110.8km s-min=76.7km az=144.0.

(408) Ascension Island region.

ISC I 22 03 04 11.7–2.5 5.1S–.50 11.4W–.70 18 4.0b,3.6s 7 4-98
IDC I 22 03 04 08.3–3.9 5.13S 11.43W 0 4.0,4.0b **¶610235050**
ISC Event type ke.
IDC Error ellipse: s-maj=119.8km s-min=78.4km az=122.0.
ISC I 23 04 56 55.8–.81 6.2S–.20 12.2W–.20 10 4.5b,3.5s 42 3-100
NEIC I 23 04 56 55.0–.82 6.5S–.20 11.9W–.10 10–1 4.6b,3.5s **¶610235165**
IDC I 23 04 56 56.1–1.2 5.84S 12.43W 0 4.2,4.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=33.3km s-min=12.7km az=136.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=69.1km s-min=17.1km az=135.0.
IDC I 26 03 11 39.5–6.3 9.20S 12.32W 0 4.0s,3.9
GCMT I 26 03 11 47.0–.30 7.91S–.05 13.52W–.02 14–1 4.8W,3.9 **¶610235359**
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. Moment Tensor Solution. s15,c17; s75,c98;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.63±.17 $M_{\theta\theta}$0.05±.10; $M_{\phi\phi}$1.58±.11; $M_{r\theta}$0.51±.29; $M_{\theta\phi}$-0.24±.06; $M_{\phi r}$0.59±.18; Best double couple: NP1:ϕ_s189.00000°,δ56.00000° ,λ-70.00000°. NP2:ϕ_s336.00000°,δ39.00000°,λ-117.00000°. Principal axes: T 1.6980,Plg9.0000°,Azm265.0000°; N 0.1870,Plg16.0000°,Azm357.0000° ; P -1.8860,Plg71.0000°,Azm146.0000° $M_0$1.79200$\times10^{16}$
IDC II 13 16 40 33.8–20 8.04S 13.12W 0 3.9,3.9b
¶610415459
IDC Error ellipse: s-maj=835.0km s-min=124.7km az=148.0.
ISC III 07 14 22 26.3–3.0 6.4S–.30 11.0W–.60 10 4.2b,3.7s 8 4-97
IDC III 07 14 22 24.7–3.1 6.37S 10.97W 0 4.1,4.0b **¶610545738**
ISC Event type ke.
IDC Error ellipse: s-maj=92.1km s-min=31.4km az=71.0.
IDC IV 06 18 32 56.1–7.0 6.01S 10.92W 0 3.8,3.8b
¶610652097
IDC Error ellipse: s-maj=140.9km s-min=100.9km az=172.0.
ISC IV 13 21 11 36.2–.28 5.28S–.05 11.49W–.06 13 5.0b,4.1s 623 4-138
IDC IV 13 21 11 34.4–.44 5.31S 11.50W 0 4.6,4.6b **¶610527977**
MOS IV 13 21 11 34.7–.85 5.24S 11.52W 14 5.1b,4.6b
BJI IV 13 21 11 35.0–.00 5.30S 11.50W 10 5.7b,5.4s
NEIC IV 13 21 11 36.4–1.4 5.3S–.10 11.51W–.09 10–1 5.0b,5.4s
GCMT IV 13 21 11 38.4–.20 5.32S–.03 11.48W–.01 12 4.9W,5.4s
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s29,c30; s111,c146;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.55±.06 $M_{\theta\theta}$0.01±.07; $M_{\phi\phi}$2.54±.06; $M_{r\theta}$-0.51±.30; $M_{\theta\phi}$0.05±.05; $M_{\phi r}$-0.73±.22; Best double couple: NP1:ϕ_s11.00000°,δ54.00000°,λ-78.00000°. NP2:ϕ_s171.00000°,δ38.00000°,λ-106.00000°. Principal axes: T 2.6480,Plg8.0000° ,Azm93.0000°; N 0.0930,Plg10.0000°,Azm184.0000°; P -2.7440,Plg77.0000°,Azm323.0000° $M_0$2.69600$\times10^{16}$
ISC V 02 15 10 22.1–.24 11.67S–.04 13.99W–.05 7 5.9s,5.4b 668 3-148
MOS V 02 15 10 20.4–1.1 11.70S 13.93W 10 5.8s,5.5b **¶610592313**
IDC V 02 15 10 21.2–.42 11.66S 13.95W 0 5.6s,4.7
NEIC V 02 15 10 22.4–1.0 11.71S–.09 13.94W–.05 10–1 5.9,5.9
NEIC V 02 15 10 22.4 11.72S 13.92W 10 5.9,5.9
NEIC V 02 15 10 22.3 11.52S 14.01W 18 5.9,5.9
NEIC V 02 15 10 22.3 11.72S 13.91W 18 5.9,5.9
GCMT V 02 15 10 26.4–.10 11.63S 13.97W 12 6.0W,5.9
ISC Event type se.
MOS Error ellipse: s-maj=8.9km s-min=5.3km az=56.2.
IDC Error ellipse: s-maj=13.8km s-min=11.7km az=131.0.
NEIC Event type se. Error ellipse: s-maj=16.2km s-min=3.7km az=332.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.30 $M_{\theta\theta}$-2.80 $M_{\phi\phi}$1.50 $M_{r\theta}$1.06 $M_{\theta\phi}$5.50 $M_{\phi r}$-2.73 NP1:ϕ_s167.37000°,δ86.28000°,λ152.72000°. NP2:ϕ_s259.29000°,δ62.78000° ,λ4.18000°. Principal axes: T 5.9165,Plg22.0000°,Azm120.0000°; N 1.3369,Plg62.0000° ,Azm340.0000°; P -7.2534,Plg16.0000°,Azm217.0000° $M_0$6.69000$\times10^{17}$
NEIC Event type se.

NEIC Event type se. Moment Tensor Solution.Duration: 4s9 Moment tensor: Scale 10^{17}Nm; M_{rr}0.67 $M_{\theta\theta}$-5.20 $M_{\phi\phi}$4.53 $M_{r\theta}$-1.82 $M_{\theta\phi}$7.08 $M_{\phi r}$-2.92 NP1:ϕ_s254.70000°,δ76.42000° ,λ16.38000°. NP2:ϕ_s160.75000°,δ74.09000°,λ165.87000°. Principal axes: T 9.5768,Plg21.0000°,Azm118.0000°; N -0.6505,Plg69.0000°,Azm293.0000° ; P -8.9263,Plg2.0000°,Azm27.0000° $M_0$9.25000$\times10^{17}$
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s159,c306; s162,c555; Duration: 2s3 Moment tensor: Scale 10^{18}Nm; M_{rr}0.10±.01 $M_{\theta\theta}$-0.49±.01; $M_{\phi\phi}$0.39±.01; $M_{r\theta}$-0.18±.02; $M_{\theta\phi}$0.93±.01; $M_{\phi r}$0.05±.02; Best double couple: NP1:ϕ_s77.00000°,δ87.00000° ,λ-9.00000°. NP2:ϕ_s168.00000°,δ82.00000°,λ-177.00000°. Principal axes: T 0.9820,Plg4.0000°,Azm123.0000°; N 0.1200,Plg81.0000°,Azm236.0000° ; P -1.1020,Plg8.0000°,Azm32.0000° $M_0$1.04200$\times10^{18}$
ISC VI 07 00 38 13.0–2.1 6.2S–.40 10.4W–.50 10 4.2b,4.2s 11 4-99
IDC VI 07 00 38 07.8–3.8 6.75S 10.44W 0 4.1s,4.0 **¶610791365**
GCMT VI 07 00 38 14.0–.20 6.39S–.03 11.24W–.02 12 4.9W,4.0
ISC Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. Moment Tensor Solution. s30,c33; s109,c151;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.11±.08 $M_{\theta\theta}$0.67±.09; $M_{\phi\phi}$2.44±.07; $M_{r\theta}$1.32±.44; $M_{\theta\phi}$-0.78±.07; $M_{\phi r}$0.28±.32; Best double couple: NP1: ϕ_s321.00000°,δ50.00000°,λ-115.00000°. NP2:ϕ_s176.00000°,δ46.00000°,λ-64.00000°. Principal axes: T 2.7390,Plg2.0000°,Azm68.0000°; N 0.8300,Plg19.0000°,Azm337.0000° ; P -3.5680,Plg71.0000°,Azm165.0000° $M_0$3.15400$\times10^{16}$
ISC VI 11 16 29 55.8–.29 6.85S–.05 11.74W–.05 11 5.0b,4.3s 387 3-151
MOS VI 11 16 29 53.7–1.3 6.74S 11.81W 8 5.2b,4.4s **¶610669652**
IDC VI 11 16 29 54.5–.48 6.72S 11.72W 0 4.5,4.5b
NEIC VI 11 16 29 55.9–1.5 6.80S–.09 11.81W–.08 10–1 5.1b,4.5b
BGR VI 11 16 29 55.6 6.52S 11.77W 10 4.8b,4.4s
GCMT VI 11 16 29 58.9–.20 6.66S–.01 11.71W–.01 12 5.0W,4.4s
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BGR Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s42,c45; s114,c165;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.16±.10 $M_{\theta\theta}$-1.61±.10; $M_{\phi\phi}$1.45±.10; $M_{r\theta}$1.18±.25; $M_{\theta\phi}$3.19±.07; $M_{\phi r}$-0.16±.29; Best double couple: NP1:ϕ_s257.00000°,δ86.00000°,λ-17.00000°. NP2:ϕ_s348.00000°,δ73.00000°,λ-175.00000°. Principal axes: T 3.5340,Plg9.0000° ,Azm304.0000°; N 0.3750,Plg73.0000°,Azm63.0000°; P -3.9080,Plg15.0000°,Azm211.0000° $M_0$3.72100$\times10^{16}$
ISC VI 11 17 41 22.8–6.2 6.8S–.90 11.3W–.70 11 4.3b,3.7s 12 3-99
IDC VI 11 17 41 20.1–5.9 7.00S 11.23W 0 4.0,4.0b **¶610791664**
ISC Event type ke.
IDC Error ellipse: s-maj=131.4km s-min=101.0km az=167.0.
ISC VI 11 18 30 15.3–2.7 6.5S–.60 11.7W–.50 10 4.2b,3.7s 20 3-98
IDC VI 11 18 30 14.1–3.0 6.39S 11.76W 0 3.8,3.8b **¶610791666**
ISC Event type ke.
IDC Error ellipse: s-maj=121.6km s-min=26.8km az=143.0.
ISC VI 30 14 46 41.1–2.3 5.0S–.40 11.3W–.80 18 4.0b,3.6s 7 4-136
IDC VI 30 14 46 38.1–2.7 5.02S 11.31W 0 3.9,3.9b **¶610789794**
ISC Event type ke.
IDC Error ellipse: s-maj=141.5km s-min=54.4km az=109.0.

(409) South Atlantic Ocean.

ISC IV 04 21 23 45.6–.26 53.18S–.06 48.42W–.06 10 5.2b,4.3s 292 6-166
IDC IV 04 21 23 44.2–.44 53.16S 48.09W 0 4.8b,4.7 **¶610483606**
BJI IV 04 21 23 45.0–.00 53.40S 48.70W 10 5.8s,5.7
NEIC IV 04 21 23 46.1–1.7 53.19S–.07 48.4W–.10 10–1 5.2b,5.7
GCMT IV 04 21 23 50.1–.30 53.29S–.02 48.50W–.03 28–0 5.0W,5.7
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s79.77176°,δ25.83945°,λ-11.06490°. NP2: ϕ_s179.75382°,δ85.20167°,λ-115.42017°. Principal axes: T Plg35.2581°,Azm291.5753° ; N Plg25.3248°,Azm182.0304°; P Plg44.0717°,Azm64.7636°
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s40,c55; s81,c107;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.81±.23 $M_{\theta\theta}$0.61±.18; $M_{\phi\phi}$2.20±.15; $M_{r\theta}$-0.84±.29; $M_{\theta\phi}$2.92±.10; $M_{\phi r}$1.56±.27; Best double couple: NP1:ϕ_s188.00000°,δ59.00000°,λ-130.00000°. NP2:ϕ_s68.00000°,δ49.00000°,λ-42.00000°. Principal axes: T 4.5100,Plg6.0000° ,Azm306.0000°; N -0.5280,Plg34.0000°,Azm212.0000°; P -3.9790,Plg55.0000° ,Azm45.0000° $M_0$4.24400$\times10^{16}$
IDC IV 19 23 51 04.5–309 13.17S 3.23W 0
¶610653083
IDC Error ellipse: s-maj=216.5km s-min=135.5km az=59.0.

(410) Southern Mid-Atlantic Ridge.

ISC I 05 03 23 52.7–.31 22.48S–.06 12.60W–.06 9 5.0b,4.7s 349 26-151
IDC I 05 03 23 50.7–.50 22.46S 12.61W 0 4.5s,4.5 **¶609985359**
MOS I 05 03 23 51.4–1.1 22.46S 12.67W 10 5.2b,4.8s
NEIC I 05 03 23 53.9–1.8 22.6S–.10 12.7W–.10 10–1 5.3b,4.8s
GCMT I 05 03 23 54.9–.20 22.41S–.01 12.62W–.01 12–1 5.2W,4.8s
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s80,c115; s138,c226;Duration: 1s0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.38±.14 $M_{\theta\theta}$-3.85±.16; $M_{\phi\phi}$3.47±.16; $M_{r\theta}$-1.43±.38; $M_{\theta\phi}$7.26±.14; $M_{\phi r}$-0.41±.34; Best double couple: NP1:ϕ_s257.00000°,δ89.00000°,λ10.00000°. NP2:ϕ_s167.00000°,δ80.00000°,λ179.00000°. Principal axes: T 8.0980,Plg8.0000° ,Azm122.0000°; N 0.3410,Plg80.0000°,Azm263.0000°; P -8.4350,Plg7.0000°,Azm31.0000° $M_0$8.26700$\times10^{16}$
ISC I 05 20 13 30.3–.54 53.98S–.09 2.1W–.10 10 4.5b,4.0s 29 17-159
IDC I 05 20 13 29.0–.72 53.95S 2.12W 0 4.6L,4.4 **¶610019731**
NEIC I 05 20 13 30.4–1.4 54.1S–.20 2.1W–.10 10–1 4.6b,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 06 20 39 51.4–.43 17.85S–.09 13.48W–.08 17 4.6b,4.0s 46 8-149
IDC I 06 20 39 48.8–.69 17.84S 13.51W 0 4.2,4.2b **¶610038955**
NEIC I 06 20 39 50.6–2.0 17.92S–.09 13.41W–.08 10–1 4.9b,4.2b
GCMT I 06 20 39 54.6–.20 17.72S–.02 13.54W–.01 12 4.9W,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s32,c35; s99,c134;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.38±.08 $M_{\theta\theta}$1.08±.09; $M_{\phi\phi}$-0.70±.08; $M_{r\theta}$1.48±.21; $M_{\theta\phi}$-2.26±.06; $M_{\phi r}$0.04±.22; Best double couple: NP1:ϕ_s261.00000°,δ88.00000°,λ-148.00000°. NP2:ϕ_s170.00000°,δ58.00000°,λ-3.00000°. Principal axes: T 3.0560,Plg20.0000° ,Azm31.0000°; N -0.4360,Plg58.0000°,Azm265.0000°; P -2.6220,Plg24.0000° ,Azm130.0000° $M_0$2.83900$\times10^{16}$
ISC I 19 16 53 17.0–.39 18.01S–.09 13.68W–.06 17 5.0b,4.0s 124 8-149
IDC I 19 16 53 14.1–.61 17.82S 13.72W 0 4.2,4.2b **¶610237735**
NEIC I 19 16 53 16.4–1.9 18.2S–.10 13.66W–.09 10–1 5.0b,4.2b
GCMT I 19 16 53 20.4–.30 17.84S–.02 13.65W–.02 17–1 4.9W,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s27,c30; s79,c112;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.53±.22 $M_{\theta\theta}$1.09±.13; $M_{\phi\phi}$1.45±.14; $M_{r\theta}$0.36±.40; $M_{\theta\phi}$-2.02±.09; $M_{\phi r}$-0.52±.39; Best double couple: NP1:ϕ_s320.00000°,δ51.00000°,λ-87.00000°. NP2:ϕ_s135.00000°,δ39.00000°,λ-94.00000°. Principal axes: T 3.3650,Plg6.0000° ,Azm48.0000°; N -0.7550,Plg2.0000°,Azm138.0000°; P -2.6000,Plg83.0000°,Azm250.0000° $M_0$2.98200$\times10^{16}$
IDC I 26 15 28 03.8–6.8 16.48S 15.84W 0 4.0,4.0b
¶610235396
IDC Error ellipse: s-maj=374.1km s-min=153.1km az=122.0.
ISC I 29 00 25 11.2–.63 17.5S–.20 13.9W–.10 10 4.5b,3.8s 25 8-87
IDC I 29 00 25 08.7–4.4 17.37S 14.69W 0 4.1,4.1b **¶610235602**

NEIC I 29 00 25 11.4–1.3 17.5S–.20 13.9W–.10 10–1 4.7b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 29 00 55 29.3–.59 30.6S–.20 13.49W–.09 10 4.8b,3.9s 45 7-149
IDC I 29 00 55 27.7–.80 30.74S 13.49W 0 4.0,4.0b **¶610235604**
NEIC I 29 00 55 29.6–1.4 30.7S–.20 13.4W–.10 10–1 4.9b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 01 16 46 49.2–.88 22.4S–.10 10.7W–.20 9 4.3b,3.1s 20 14-130
IDC II 01 16 46 49.5–4.0 22.16S 10.66W 0 4.2,4.2b **¶610414619**
NEIC II 01 16 46 49.4–1.4 22.43S–.07 10.8W–.20 10–1 4.6b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 05 05 19 43.5–.53 37.3S–.10 17.32W–.09 10 4.3b,3.9s 29 24-126
IDC II 05 05 19 41.1–1.4 37.49S 17.29W 0 4.0,4.0b **¶610414859**
NEIC II 05 05 19 44.1–1.3 37.3S–.10 17.27W–.05 10–1 4.5b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 10 02 58 54.5–.68 17.83S–.06 12.90W–.05 11–3 5.2b,4.5s 404 9-147
IDC II 10 02 58 52.4–.41 17.90S 12.89W 0 4.6,4.6b **¶611831789**
MOS II 10 02 58 52.4–.90 17.86S 12.94W 9 5.4b,4.6b
NEIC II 10 02 58 55.4–1.6 17.83S–.08 12.90W–.09 10–1 5.3b,4.6b
GCMT II 10 02 58 57.4–.10 17.78S–.01 12.91W–.01 12 5.2W,4.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s73,c91; s143,c251;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; Mrr-0.78±.01 Mθθ0.04±.01; Mϕϕ0.73±.01; Mrθ0.20±.04; Mθϕ-0.09±.01; Mϕr0.04±.04; Best double couple: NP1:ϕs186.00000°,δ47.00000°,λ-72.00000°. NP2:ϕs340.00000°,δ46.00000°,λ-108.00000°. Principal axes: T 0.7450,Plg1.0000° ,Azm263.0000°; N 0.0770,Plg13.0000°,Azm353.0000°; P -0.8220,Plg77.0000° ,Azm171.0000° M0.78300×10^{17}
ISC II 16 05 38 34.2–.39 17.76S–.09 13.65W–.06 10 4.9b,4.3s 174 8-149
IDC II 16 05 38 32.0–.63 17.82S 13.59W 0 4.3,4.3b **¶610216968**
NEIC II 16 05 38 34.6–1.2 17.8S–.10 13.74W–.09 10–1 5.0b,4.3b
GCMT II 16 05 38 36.6–.20 17.83S–.02 13.62W–.01 12 5.0W,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s45,c53; s120,c184;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr-3.67±.09 Mθθ0.23±.09; Mϕϕ3.44±.08; Mrθ-0.88±.33; Mθϕ-1.66±.07; Mϕr-0.55±.29; Best double couple: NP1:ϕs353.00000°,δ48.00000°,λ-68.00000°. NP2:ϕs141.00000°,δ46.00000°,λ-113.00000°. Principal axes: T 4.1470,Plg1.0000° ,Azm67.0000°; N -0.1740,Plg16.0000°,Azm158.0000°; P -3.9740,Plg74.0000° ,Azm333.0000° M0 4.06100×10^{16}
ISC II 21 09 17 15.8–.55 49.9S–.10 7.4W–.10 10 4.9b,3.7s 58 18-154
IDC II 21 09 17 13.8–.80 49.94S 7.47W 0 4.1,4.1b **¶610384740**
NEIC II 21 09 17 16.6–2.1 49.9S–.10 7.5W–.10 10–1 4.9b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT II 21 13 08 34.0–.40 32.21S–.02 13.75W–.03 28–1 4.9W
¶610671169
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. Moment Tensor Solution. s9,c10; s79,c96;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr-0.46±.19 Mθθ-1.44±.17; Mϕϕ1.90±.16; Mrθ-0.03±.23; Mθϕ2.18±.11; Mϕr-0.15±.21; Best double couple: NP1:ϕs161.00000°,δ89.00000° ,λ177.00000°. NP2:ϕs251.00000°,δ87.00000°,λ1.00000°. Principal axes: T 2.9830,Plg3.0000°,Azm116.0000°; N -0.4650,Plg87.0000°,Azm319.0000° ; P -2.5170,Plg1.0000°,Azm206.0000° M0 2.75000×10^{16}
IDC II 21 22 52 50.8–2.9 49.20S 7.47W 0 3.9,3.9b
¶610384777
IDC Error ellipse: s-maj=99.5km s-min=31.6km az=171.0.
ISC II 22 23 25 51.0–.38 44.33S–.09 15.85W–.07 10 4.9b,4.5s 162 28-154
IDC II 22 23 25 50.6–1.1 44.01S 16.07W 0 4.4s,4.3 **¶610239649**
NEIC II 22 23 25 50.9–1.6 44.26S–.10 15.8W–.10 10–1 5.0b,4.3
GCMT II 22 23 25 51.9–.20 44.66S–.02 15.69W–.01 12 5.2W,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s77,c99; s132,c210;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; Mrr-0.79±.01 Mθθ0.21±.01; Mϕϕ0.57±.01; Mrθ0.13±.06; Mθϕ-0.33±.01; Mϕr0.15±.04; Best double couple: NP1:ϕs162.00000°,δ49.00000°,λ-73.00000°. NP2:ϕs317.00000°,δ44.00000°,λ-108.00000°. Principal axes: T 0.7730,Plg2.0000° ,Azm240.0000°; N 0.0610,Plg13.0000°,Azm331.0000°; P -0.8340,Plg77.0000° ,Azm139.0000° M0 0.80400×10^{17}
ISC II 24 06 17 56.8–.73 45.0S–.10 14.2W–.20 10 4.5b,3.6s 17 8-149
IDC II 24 06 17 56.0–10 45.05S 14.34W 0 4.3,4.3b **¶610384919**
NEIC II 24 06 17 57.4–1.5 45.0S–.10 14.3W–.10 10–1 4.6b,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC II 24 08 12 59.8–1.3 44.47S 15.53W 0 3.9,3.9b
¶610384922
IDC Error ellipse: s-maj=37.9km s-min=34.0km az=109.0.
IDC II 25 10 53 28.8–1.2 45.69S 13.39W 0 4.6,4.6b
¶610384996
IDC Error ellipse: s-maj=60.3km s-min=27.7km az=109.0.
ISC II 28 03 50 21.8–.35 48.05S–.07 9.86W–.08 10 5.0b,4.7s 167 11-154
IDC II 28 03 50 20.3–.54 48.01S 9.96W 0 4.6s,4.4 **¶610241746**
NEIC II 28 03 50 22.2–1.9 48.05S–.10 10.0W–.20 10–1 5.1b,4.4
GCMT II 28 03 50 23.2–.20 48.42S–.02 9.78W–.01 12 5.2W,4.4
BJI II 28 03 50 23.0–.00 48.10S 9.90W 20 5.5b,5.1s
ISC Event type se.
IDC Error ellipse: s-maj=19.0km s-min=14.3km az=147.0.
NEIC Event type se. Error ellipse: s-maj=19.7km s-min=17.0km az=74.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s63,c82; s139,c230;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr-6.89±.12 Mθθ0.54±.12; Mϕϕ6.35±.10; Mrθ0.38±.43; Mθϕ-1.78±.10; Mϕr-1.00±.35; Best double couple: NP1:ϕs343.00000°,δ49.00000°,λ-91.00000°. NP2:ϕs165.00000°,δ41.00000°,λ-89.00000°. Principal axes: T 6.9340,Plg4.0000° ,Azm74.0000°; N 0.0390,Plg1.0000°,Azm344.0000°; P -6.9740,Plg86.0000°,Azm244.0000° M0 6.95400×10^{16}
GCMT III 14 19 38 37.0–.30 54.01S–.04 2.26W–.05 20–1 5.0W
¶610770699
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. Moment Tensor Solution. s20,c21; s86,c106;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr-2.76±.23 Mθθ1.11±.17; Mϕϕ1.65±.15; Mrθ2.47±.36; Mθϕ-1.08±.10; Mϕr-0.37±.27; Best double couple: NP1:ϕs296.00000°,δ67.00000° ,λ-108.00000°. NP2:ϕs156.00000°,δ29.00000°,λ-54.00000°. Principal axes: T 3.1640,Plg20.0000°,Azm40.0000°; N 0.8020,Plg16.0000°,Azm304.0000° ; P -3.9660,Plg64.0000°,Azm177.0000° M0 3.56500×10^{16}
GCMT III 14 23 16 59.0–.20 54.21S–.02 2.16W–.03 13–0 5.0W
¶610770700
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. Moment Tensor Solution. s47,c59; s123,c170;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr-4.52±.19 Mθθ2.25±.14; Mϕϕ2.26±.13; Mrθ-0.34±.35; Mθϕ-2.17±.09; Mϕr-1.59±.32; Best double couple: NP1: ϕs330.00000°,δ53.00000°,λ-71.00000°. NP2:ϕs121.00000°,δ41.00000°,λ-113.00000°. Principal axes: T 4.5170,Plg6.0000°,Azm47.0000°; N 0.4430,Plg15.0000°,Azm138.0000° ; P -4.9700,Plg74.0000°,Azm296.0000° M0 4.74300×10^{16}
ISC III 23 16 42 39.7–.60 48.9S–.10 8.5W–.10 10 4.4b,3.7s 25 18-153
IDC III 23 16 42 38.7–.82 48.81S 8.71W 0 4.2,4.1b **¶610543554**
NEIC III 23 16 42 40.1–1.5 48.9S–.10 8.5W–.20 10–1 4.4b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 28 21 15 13.9–.59 48.7S–.10 10.1W–.10 10 4.6b,3.7s 29 17-152
IDC III 28 21 15 12.4–.89 48.81S 9.97W 0 4.2,4.2b **¶610543871**
NEIC III 28 21 15 14.9–1.5 48.74S–.08 10.3W–.20 10–1 4.7b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 29 22 56 47.3–.30 22.39S–.07 12.50W–.06 9 5.0b,4.6s 344 9-151
IDC III 29 22 56 45.3–.47 22.50S 12.58W 0 4.5s,4.4 **¶611832145**
MOS III 29 22 56 45.8–.95 22.49S 12.51W 10 5.1b,4.4
NEIC III 29 22 56 48.2–1.2 22.40S–.10 12.4W–.10 10–1 5.1b,4.4
GCMT III 29 22 56 50.2–.10 22.44S–.01 12.63W–.01 12 5.3W,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s96,c159; s139,c245;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; Mrr-0.04±.01 Mθθ-0.41±.01; Mϕϕ0.44±.01; Mrθ-0.02±.04; Mθϕ0.90±.01; Mϕr0.06±.04; Best double couple: NP1:ϕs167.00000°,δ90.00000°,λ-177.00000°. NP2:ϕs77.00000°,δ87.00000°,λ0.00000°. Principal axes: T 1.0160,Plg2.0000°,Azm302.0000° ; N -0.0390,Plg87.0000°,Azm174.0000°; P -0.9780,Plg3.0000°,Azm32.0000° M0 0.99700×10^{17}
ISC IV 01 12 53 00.2–1.3 54.4S–.20 3.7W–.70 10 3.7s 8 16-145
IDC IV 01 12 52 58.2–1.5 54.46S 2.94W 0 4.6,4.6b **¶610470159**
ISC Event type ke.
IDC Error ellipse: s-maj=145.8km s-min=35.7km az=88.0.
ISC IV 08 13 22 57.5–.87 44.4S–.20 15.6W–.20 10 4.0b,3.8s 10 31-146
IDC IV 08 13 22 56.1–.96 44.37S 15.63W 0 4.0,4.0b **¶610652228**
ISC Event type ke.
IDC Error ellipse: s-maj=29.9km s-min=24.7km az=111.0.
ISC IV 11 13 05 40.8–.69 37.0S–.20 17.4W–.10 10 4.3b,3.8s 15 4-125
NEIC IV 11 13 05 39.5–1.2 37.25S–.08 17.0W–.10 10–1 4.5b,3.8s **¶610652459**
IDC IV 11 13 05 40.6–.91 36.89S 17.48W 0 4.1,4.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.8km s-min=12.3km az=292.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=30.6km s-min=22.8km az=162.0.
ISC IV 13 02 58 33.1–.28 12.33S–.06 14.80W–.05 15 5.2b,4.2s 650 3-148
IDC IV 13 02 58 30.6–.40 12.35S 14.79W 0 4.6,4.6b **¶610527236**
MOS IV 13 02 58 30.4–.87 12.30S 14.80W 10 5.3b,4.5s
NEIC IV 13 02 58 32.7–1.1 12.34S–.09 14.8W–.10 10–1 5.3b,4.5s
GCMT IV 13 02 58 36.7–.40 12.23S–.05 15.03W–.05 12 4.8W,4.5s
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s12,c14; s88,c102;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr-1.77±.06 Mθθ1.11±.08; Mϕϕ0.66±.08; Mrθ0.66±.43; Mθϕ-0.62±.07; Mϕr-0.51±.36; Best double couple: NP1:ϕs306.00000°,δ58.00000°,λ-89.00000°. NP2:ϕs124.00000°,δ32.00000°,λ-92.00000°. Principal axes: T 1.7460,Plg13.0000° ,Azm36.0000°; N 0.2260,Plg1.0000°,Azm126.0000°; P -1.9670,Plg77.0000°,Azm220.0000° M0 1.85700×10^{16}
ISC IV 13 05 54 55.4–.51 12.50S–.09 14.64W–.09 18 4.4b,3.4s 35 4-90
IDC IV 13 05 54 52.6–.96 12.45S 14.69W 0 3.9,3.9b **¶610598353**
NEIC IV 13 05 54 54.8–.98 12.50S–.08 14.59W–.06 10–1 4.7b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 14 05 29 37.5–.64 12.38S–.05 14.77W–.04 10–3 5.5b,5.0s 1114 3-152
MOS IV 14 05 29 35.8–.97 12.37S 14.78W 10 5.6b,5.0s **¶611832305**
IDC IV 14 05 29 35.8–.36 12.41S 14.78W 0 5.0,5.0b
NEIC IV 14 05 29 38.1–1.3 12.36S–.08 14.80W–.08 10–1 5.6b,5.2
NEIC IV 14 05 29 38.1 12.36S 14.80W 16 5.6b,5.2
NEIC IV 14 05 29 38.1 12.36S 14.80W 16 5.6b,5.2
GCMT IV 14 05 29 42.1–.10 12.25S–.01 14.84W–.01 12 5.2W,5.2
BGR IV 14 05 29 45.1 11.75S 13.19W 34–0 5.8b,4.9s
ISC Event type ke. Moment Tensor Solution. NP1:ϕs16.79869°,δ88.06297°,λ-117.48859°. NP2: ϕs283.08182°,δ27.55145°,λ-4.19070°. Principal axes: T Plg37.0863°,Azm130.9494° ; N Plg27.4716°,Azm17.8063°; P Plg40.6034°,Azm261.3386° Moment Tensor Solution. NP1: ϕs335.22217°,δ83.15810°,λ-156.97928°. NP2:ϕs242.32440°,δ67.15253°,λ-7.42756°. Principal axes: T Plg10.9713°,Azm106.7445°; N Plg66.0372°,Azm350.8841°; P Plg21.0261° ,Azm201.0179°
MOS Error ellipse: s-maj=8.8km s-min=4.8km az=61.8.
IDC Error ellipse: s-maj=13.1km s-min=10.5km az=125.0.
NEIC Event type se. Error ellipse: s-maj=14.9km s-min=12.9km az=228.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution.Duration: 1s9 Moment tensor: Scale 10^{16}Nm; Mrr1.51 Mθθ-2.27 Mϕϕ0.76 Mrθ-2.88 Mθϕ6.16 Mϕr-0.32 NP1:ϕs265.51000°,δ83.08000° ,λ26.59000°. NP2:ϕs172.06000°,δ63.62000°,λ172.27000°. Principal axes: T 6.4814,Plg24.0000°,Azm132.0000°; N 1.1073,Plg63.0000°,Azm279.0000° ; P -7.5886,Plg13.0000°,Azm36.0000° M0 7.03000×10^{16}
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s77,c111; s132,c228;Duration: 1s0 Moment tensor: Scale 10^{16}Nm; Mrr1.10±.12 Mθθ-2.26±.12; Mϕϕ1.17±.12; Mrθ0.05±.30; Mθϕ6.49±.09; Mϕr-6.27±.31; Best double couple: NP1:ϕs171.00000°,δ84.00000°,λ137.00000°. NP2:ϕs266.00000°,δ47.00000°,λ8.00000°. Principal axes: T 9.4400,Plg33.0000° ,Azm119.0000°; N -0.4140,Plg47.0000°,Azm345.0000°; P -9.0150,Plg24.0000° ,Azm226.0000° M0 9.22800×10^{16}
BGR Event type ke.
ISC IV 14 06 00 14.8–.45 12.40S–.09 14.74W–.07 18 4.7b,3.9s 86 3-95
IDC IV 14 06 00 12.4–.94 12.42S 14.66W 0 4.1,4.1b **¶610652687**
NEIC IV 14 06 00 13.9–1.6 12.41S–.06 14.70W–.06 10–1 4.8b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 14 10 46 27.6–.39 12.28S–.08 14.86W–.08 15 4.8b,3.9s 121 3-172
IDC IV 14 10 46 24.9–.62 12.46S 14.77W 0 4.3,4.3b **¶610598363**
NEIC IV 14 10 46 27.8–1.7 12.21S–.09 14.9W–.10 10–1 4.9b,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IV 14 14 28 23.8–3.3 13.24S 13.93W 0 3.8,3.8b
¶610652733
IDC Error ellipse: s-maj=196.4km s-min=27.3km az=137.0.
ISC IV 15 16 34 02.9–.73 12.4S–.20 14.7W–.10 18 4.4b,3.6s 27 21-136
IDC IV 15 16 34 00.0–.81 12.39S 14.72W 0 4.1,4.1b **¶610652806**
ISC Event type ke.
IDC Error ellipse: s-maj=27.7km s-min=19.4km az=146.0.
ISC IV 24 16 28 17.2–.51 12.3S–.10 14.72W–.09 18 4.5b,3.8s 58 3-146
IDC IV 24 16 28 14.7–.70 12.35S 14.65W 0 4.1,4.1b **¶610649904**
NEIC IV 24 16 28 16.7–1.9 12.3S–.10 14.71W–.09 10–1 4.8b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 09 01 41 51.3–.47 47.19S–.09 12.07W–.09 10 4.8b,4.2s 107 17-152
IDC V 09 01 41 49.4–.63 47.14S 12.19W 0 4.2s,4.2 **¶610689860**
NEIC V 09 01 41 52.5–1.8 47.3S–.10 12.2W–.20 10–1 5.0b,4.2
GCMT V 09 01 41 56.5–.20 47.57S–.02 11.84W–.02 17–1 5.1W,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s31,c37; s80,c112;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr-1.28±.21 Mθθ3.60±.22; Mϕϕ-2.32±.18; Mrθ-0.11±.48; Mθϕ-4.93±.16; Mϕr-0.95±.47; Best double couple: NP1:ϕs344.00000°,δ83.00000°,λ-11.00000°.

NP2:ϕs75.00000°,δ79.00000°,λ-173.00000°. Principal axes: T 6.4090,Plg3.0000° ,Azm30.0000°; N -1.1040,Plg77.0000°,Azm132.0000°; P -5.3050,Plg12.0000° ,Azm299.0000° M0 5.85700×10^{16}
IDC V 27 12 04 46.4–6.5 16.88S 14.50W 0 3.8,3.8b
GCMT V 27 12 04 51.0–.40 16.29S–.05 14.30W–.03 20–1 4.8W,3.8b **¶610685495**
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. Moment Tensor Solution. s18,c20; s74,c91;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr-1.86±.18 Mθθ0.43±.13; Mϕϕ1.43±.12; Mrθ1.59±.27; Mθϕ0.44±.08; Mϕr-0.24±.20; Best double couple: NP1:ϕs234.00000°,δ60.00000° ,λ-60.00000°. NP2:ϕs5.00000°,δ41.00000°,λ-131.00000°. Principal axes: T 1.6640,Plg11.0000°,Azm303.0000°; N 1.0500,Plg26.0000°,Azm38.0000° ; P -2.7170,Plg62.0000°,Azm192.0000° M0 2.19000×10^{16}
ISC V 28 18 27 34.4–1.2 22.5S–.20 12.8W–.20 10 3.8b,3.3s 6 28-83
IDC V 28 18 27 32.8–1.3 22.55S 12.82W 0 3.9,3.9b **¶610685564**
ISC Event type ke.
IDC Error ellipse: s-maj=47.0km s-min=28.6km az=130.0.
ISC VI 08 06 06 19.4–.41 26.38S–.09 13.67W–.08 10 4.8b,4.3s 65 17-146
IDC VI 08 06 06 17.6–.68 26.35S 13.79W 0 4.3s,4.2 **¶610791442**
NEIC VI 08 06 06 20.2–1.4 26.4S–.10 13.6W–.10 10–1 4.9b,4.2
GCMT VI 08 06 06 20.2–.20 26.45S–.02 13.72W–.01 20–0 5.2W,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s37,c40; s117,c186;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr-7.34±.32 Mθθ1.27±.18; Mϕϕ6.07±.21; Mrθ-0.60±.41; Mθϕ-1.48±.11; Mϕr0.94±.32; Best double couple: NP1:ϕs162.00000°,δ49.00000°,λ-93.00000°. NP2:ϕs346.00000°,δ41.00000°,λ-87.00000°. Principal axes: T 6.5710,Plg4.0000° ,Azm254.0000°; N 0.8630,Plg2.0000°,Azm164.0000°; P -7.4340,Plg85.0000°,Azm47.0000° M0 7.00300×10^{16}
ISC VI 10 10 54 35.4–.48 47.48S–.09 13.4W–.10 10 4.5b 53 24-152
IDC VI 10 10 54 33.7–.73 47.49S 13.38W 0 4.3,4.3b **¶610791591**
NEIC VI 10 10 54 35.9–1.1 47.5S–.10 13.4W–.20 10–1 4.6b,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 10 10 57 34.8–.30 47.49S–.07 13.65W–.06 10 5.1b,4.7s 195 16-157
IDC VI 10 10 57 33.0–.47 47.49S 13.52W 0 4.6s,4.5 **¶610669506**
NEIC VI 10 10 57 35.7–1.3 47.49S–.09 13.6W–.10 10–1 5.1b,4.5
GCMT VI 10 10 57 36.7–.10 47.62S–.01 13.23W–.01 12 5.3W,4.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s84,c113; s141,c234;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; Mrr-0.99±.01 Mθθ0.16±.02; Mϕϕ0.82±.01; Mrθ0.17±.05; Mθϕ-0.34±.01; Mϕr-0.24±.04; Best double couple: NP1:ϕs334.00000°,δ53.00000°,λ-94.00000°. NP2:ϕs161.00000°,δ37.00000°,λ-85.00000°. Principal axes: T 1.0070,Plg8.0000° ,Azm67.0000°; N 0.0280,Plg3.0000°,Azm336.0000°; P -1.0350,Plg81.0000°,Azm225.0000° M0 1.02100×10^{17}
GCMT VI 10 22 00 57.0–.30 26.01S–.02 13.54W–.02 35–1 5.0W
¶611083639
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. Moment Tensor Solution. s19,c19; s96,c125;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr-0.12±.30 Mθθ-2.38±.21; Mϕϕ2.50±.22; Mrθ-0.13±.18; Mθϕ3.63±.10; Mϕr-1.74±.18; Best double couple: NP1:ϕs162.00000°,δ85.00000° ,λ160.00000°. NP2:ϕs254.00000°,δ70.00000°,λ6.00000°. Principal axes: T 4.9420,Plg18.0000°,Azm117.0000°; N -0.5110,Plg70.0000°,Azm328.0000° ; P -4.4370,Plg10.0000°,Azm210.0000° M0 4.69000×10^{16}
GCMT VI 20 13 27 56.0–.30 41.21S–.05 16.54W–.03 12–1 4.9W
¶611083655
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. Moment Tensor Solution. s11,c11; s84,c100;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr-1.96±.18 Mθθ0.36±.13; Mϕϕ1.61±.12; Mrθ-1.72±.57; Mθϕ-0.29±.07; Mϕr-1.12±.37; Best double couple: NP1:ϕs30.00000°,δ69.00000° ,λ-67.00000°. NP2:ϕs161.00000°,δ31.00000°,λ-134.00000°. Principal axes: T 1.9740,Plg21.0000°,Azm103.0000°; N 1.1770,Plg21.0000°,Azm201.0000° ; P -3.1430,Plg60.0000°,Azm333.0000° M0 2.55800×10^{16}
IDC VI 21 13 06 51.8–6.8 43.36S 15.25W 0 3.8,3.8b
¶610789212
IDC Error ellipse: s-maj=222.8km s-min=42.9km az=155.0.
ISC VI 21 18 49 42.3–.83 42.3S–.20 16.1W–.20 10 4.2b,3.7s 10 29-144
IDC VI 21 18 49 40.4–3.0 42.36S 16.03W 0 4.3,4.3b **¶610789227**
ISC Event type ke.
IDC Error ellipse: s-maj=94.4km s-min=32.7km az=166.0.
ISC VI 25 06 04 33.4–.99 47.0S–.10 11.8W–.10 10 4.8b,4.2s 31 10-150
NEIC VI 25 06 04 33.9–1.0 47.0S–.10 11.8W–.20 10–2 4.9b,4.2s **¶611189138**
IDC VI 25 06 04 58.5–5.5 45.35S 16.13W 0 4.1s,4.0
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=25.1km s-min=20.3km az=150.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=213.9km s-min=35.5km az=167.0.
IDC VI 29 02 57 28.4–6.9 14.93S 14.50W 0 3.7,3.7b
¶610789690
IDC Error ellipse: s-maj=427.8km s-min=143.9km az=120.0.

(411) Tristan da Cunha region.

ISC V 01 19 04 01.4–.43 34.34S–.07 14.66W–.08 10 4.6b,4.1s 51 3-150
IDC V 01 19 03 59.2–.67 34.23S 14.75W 0 4.2b,4.1 **¶610689334**
NEIC V 01 19 04 02.5–1.6 34.2S–.10 14.8W–.10 10–1 4.8b,4.1
GCMT V 01 19 04 05.5–.30 34.23S–.02 14.53W–.02 15 4.9W,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s11,c12; s95,c123;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr0.09±.13 Mθθ-1.38±.13; Mϕϕ1.29±.10; Mrθ-0.60±.40; Mθϕ2.52±.08; Mϕr1.16±.37; Best double couple: NP1:ϕs166.00000°,δ87.00000°,λ-156.00000°. NP2:ϕs75.00000°,δ66.00000°,λ-3.00000°. Principal axes: T 2.9820,Plg14.0000° ,Azm298.0000°; N 0.2920,Plg66.0000°,Azm173.0000°; P -3.2730,Plg19.0000°,Azm33.0000° M0 3.12700×10^{16}
IDC VI 21 18 59 41.0–4.0 42.55S 15.88W 0 4.1,4.1b
¶610789228
IDC Error ellipse: s-maj=118.7km s-min=37.6km az=166.0.

(412) Bouvet Island region.

ISC I 25 04 39 39.1–1.1 53.9S–.10 7.0E–.20 10 4.2b,3.5s 17 18-163
IDC I 25 04 39 37.7–1.2 53.85S 7.02E 0 4.1,4.1b **¶610130064**
ISC Event type ke.
IDC Error ellipse: s-maj=39.5km s-min=23.3km az=52.0.
ISC III 31 16 09 44.2–.32 53.96S–.07 3.25E–.08 10 5.1b,4.4s 140 18-162
IDC III 31 16 09 42.4–.49 53.92S 3.47E 0 4.6,4.6b **¶610467788**
NEIC III 31 16 09 44.7–2.3 54.0S–.10 3.1E–.20 10–1 5.1b,4.6b
GCMT III 31 16 09 46.7–.30 53.98S–.01 3.78E–.05 12 5.0W,4.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s27,c28; s84,c137;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr-3.35±.16 Mθθ4.87±.11; Mϕϕ-1.51±.16; Mrθ0.49±.41; Mθϕ-0.98±.12; Mϕr-1.22±.57; Best double couple: NP1:ϕs302.00000°,δ55.00000°,λ-58.00000°. NP2:ϕs74.00000°,δ46.00000°,λ-127.00000°. Principal axes: T 5.0700,Plg5.0000° ,Azm9.0000°; N -1.1020,Plg26.0000°,Azm102.0000°; P -3.9580,Plg64.0000°,Azm270.0000° M0 4.51400×10^{16}

(413) Southwest of Africa.

ISC I 18 02 02 26.7–.35 52.90S–.06 10.11E–.08 12 5.1b,4.9s 191 19-163
IDC I 18 02 02 24.6–.53 52.86S 9.97E 0 5.1L,4.8s **¶610099190**
NEIC I 18 02 02 26.4–1.7 52.9S–.10 10.0E–.20 10–1 5.2b,4.8s
GCMT I 18 02 02 30.4–.10 53.02S–.01 9.99E–.01 12 5.4W,4.8s
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s116,c173; s154,c281;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; Mrr-0.67±.02 Mθθ1.78±.02; Mϕϕ-1.11±.02; Mrθ0.53±.05; Mθϕ0.17±.02; Mϕr0.31±.06; Best double couple: NP1:ϕs227.00000°,δ79.00000°,λ-150.00000°. NP2:ϕs130.00000°,δ61.00000°,λ-13.00000°. Principal axes: T 1.9050,Plg12.0000° ,Azm356.0000°; N -0.6370,Plg58.0000°,Azm245.0000°; P -1.2720,Plg29.0000° ,Azm92.0000° M0 1.58800×10^{17}
ISC II 10 10 48 44.3–.57 52.57S–.09 12.6E–.10 10 4.5b,3.8s 28 20-164
IDC II 10 10 48 43.1–.84 52.60S 12.51E 0 4.2,4.1b **¶610208188**
NEIC II 10 10 48 44.4–1.3 52.63S–.08 12.7E–.30 10–1 4.7b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 08 00 04 59.2–.62 52.71S–.10 19.7E–.10 10 4.5b,3.7s 30 20-154
IDC III 08 00 04 58.2–.70 52.76S 19.77E 0 4.1,4.1b **¶610545766**
NEIC III 08 00 04 59.5–1.1 52.7S–.10 19.7E–.20 10–1 4.6b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 21 15 12 30.2–1.1 52.5S–.20 16.0E–.40 10 3.9b 7 20-152
IDC IV 21 15 12 28.7–1.2 52.45S 16.01E 0 3.9,3.8b **¶610653205**
ISC Event type ke.
IDC Error ellipse: s-maj=57.1km s-min=26.3km az=93.0.
IDC V 08 09 04 24.7–1.7 52.51S 12.45E 0 4.0,3.9b
¶610689786
IDC Error ellipse: s-maj=77.2km s-min=42.9km az=86.0.

(738) Reykjanes Ridge.

ISC I 02 16 04 05.4–.83 53.3N–.20 35.3W–.10 10 3.5b 16 16-149
IDC I 02 16 04 03.8–.90 53.17N 35.32W 0 3.6,3.5b **¶615955705**
ISC Event type se.
IDC Error ellipse: s-maj=31.6km s-min=15.7km az=12.0.
ISC I 02 16 04 14.5–.38 53.34N–.07 35.32W–.05 16 4.6b,4.4s 272 10-149
IDC I 02 16 04 11.9–.52 53.27N 35.33W 0 4.9s,4.2 **¶609949699**
GCMT I 02 16 04 12.7–.30 53.41N–.04 35.57W–.03 12 5.1W,4.2
NEIC I 02 16 04 14.7–1.4 53.38N–.10 35.3W–.10 13–4 4.7b,4.2
ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s15,c18; s95,c126;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr-3.41±.17 Mθθ0.46±.18; Mϕϕ2.95±.12; Mrθ0.89±.58; Mθϕ0.12±.12; Mϕr5.66±.54; Best double couple: NP1:ϕs188.00000°,δ76.00000°,λ-88.00000°. NP2:ϕs360.00000°,δ15.00000°,λ-98.00000°. Principal axes: T 6.3150,Plg30.0000° ,Azm276.0000°; N 0.4800,Plg2.0000°,Azm8.0000°; P -6.7910,Plg59.0000°,Azm101.0000° M0 6.55300×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 02 16 05 19.6–.59 53.2N–.10 35.25W–.07 10 4.3b 50 10-149
IDC I 02 16 05 17.2–1.0 53.17N 35.34W 0 3.8,3.7b **¶610236483**
NEIC I 02 16 05 20.1–1.7 53.2N–.10 35.2W–.20 10–5 4.4b,3.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC I 02 16 06 14.4–2.8 53.23N 35.36W 0 3.7,3.7b
¶610236486
IDC Error ellipse: s-maj=97.2km s-min=40.2km az=55.0.
IDC I 02 16 08 38.7–1.4 53.24N 35.19W 0 3.4,3.4b
¶610236487
IDC Error ellipse: s-maj=92.3km s-min=37.5km az=31.0.
ISC I 02 16 30 07.3–1.1 53.3N–.20 35.3W–.20 16 3.5b 11 41-149
IDC I 02 16 30 05.1–1.4 53.33N 35.27W 0 3.3,3.3b **¶610236489**
ISC Event type ke.
IDC Error ellipse: s-maj=43.4km s-min=24.5km az=18.0.
ISC I 02 16 30 26.9–2.8 53.3N–.30 35.3W–.50 10 3.8b 7 48-149
IDC I 02 16 30 25.5–2.7 53.27N 35.29W 0 3.6,3.6b **¶610236492**
ISC Event type ke.
IDC Error ellipse: s-maj=73.0km s-min=41.4km az=72.0.
ISC I 02 16 42 08.6–.96 53.29N–.07 35.27W–.05 26–6 4.7b,4.3s 461 10-149
IDC I 02 16 42 04.4–.45 53.28N 35.26W 0 4.3s,4.2 **¶609949701**
GCMT I 02 16 42 05.7–.20 53.43N–.03 35.29W–.02 12 5.1W,4.2
NEIC I 02 16 42 06.7–1.3 53.32N–.10 35.3W–.10 10–4 4.8b,4.2
ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s36,c41; s108,c164;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr-4.28±.14 Mθθ-0.67±.15; Mϕϕ4.96±.11; Mrθ1.53±.53; Mθϕ-0.40±.12; Mϕr1.32±.43; Best double couple: NP1:ϕs195.00000°,δ56.00000°,λ-66.00000°. NP2:ϕs337.00000°,δ41.00000°,λ-121.00000°. Principal axes: T 5.1510,Plg8.0000° ,Azm268.0000°; N -0.1120,Plg20.0000°,Azm1.0000°; P -5.0310,Plg69.0000°,Azm158.0000° M0 5.09100×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 03 02 07 08.5–.53 53.2N–.10 35.30W–.07 10 4.2b,3.8s 49 14-149
IDC I 03 02 07 07.0–.64 53.23N 35.27W 0 3.9,3.9b **¶609950098**
GCMT I 03 02 07 08.1–.40 53.43N–.07 35.47W–.06 14–1 4.7W,3.9b
NEIC I 03 02 07 09.1–1.6 52.9N–.20 35.21W–.08 10–2 4.5b,3.9b
ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s10,c10; s76,c92;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr-1.32±.14 Mθθ0.32±.09; Mϕϕ1.00±.09; Mrθ0.11±.32; Mθϕ-0.00±.07; Mϕr0.77±.23; Best double couple: NP1:ϕs184.00000°,δ62.00000°,λ-87.00000°. NP2:ϕs358.00000°,δ28.00000°,λ-96.00000°. Principal axes: T 1.2330,Plg17.0000° ,Azm272.0000°; N 0.3200,Plg3.0000°,Azm3.0000°; P -1.5580,Plg73.0000°,Azm101.0000° M0 1.39500×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 04 20 07 59.3–.78 57.7N–.10 33.05W–.08 15 3.8s,3.7b 20 9-145
IDC I 04 20 07 57.0–1.0 57.57N 33.01W 0 3.9,3.8b **¶610236727**
ISC Event type se.
IDC Error ellipse: s-maj=27.8km s-min=16.5km az=23.0.
IDC I 07 00 16 12.8–2.0 52.63N 36.71W 0 3.4,3.4b
¶610236866
IDC Error ellipse: s-maj=81.7km s-min=32.8km az=14.0.
ISC I 27 18 49 28.1–.76 59.42N–.10 30.41W–.08 16 3.9b,3.3s 26 7-143
IDC I 27 18 49 26.0–1.0 59.30N 30.35W 0 3.9,3.9b **¶610235492**
NEIC I 27 18 49 27.8–2.7 59.49N–.08 30.4W–.20 10–2 4.5b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC I 27 19 42 54.5–73 58.90N 30.52W 0 3.9,3.9b
¶610235494
IDC Error ellipse: s-maj=2093.0km s-min=33.1km az=5.0.
ISC I 27 19 55 20.2–.40 59.43N–.07 30.23W–.05 14 4.4b,3.7s 132 7-143
BGR I 27 19 55 15.2 59.42N 32.20W 33 4.4b,3.7s **¶610145090**
IDC I 27 19 55 17.4–.70 59.26N 30.26W 0 4.0,3.9b
NEIC I 27 19 55 19.8–1.4 59.54N–.09 30.2W–.10 8–4 4.6b,3.9b
ISC Event type se.
BGR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 27 19 55 41.4–1.2 59.4N–.10 30.3W–.10 16 3.9b 11 7-61
IDC I 27 19 55 38.9–1.6 59.39N 30.29W 0 4.0,3.9b **¶610235498**
ISC Event type ke.
IDC Error ellipse: s-maj=34.4km s-min=26.0km az=49.0.
ISC I 27 20 11 22.9–.31 59.63N–.05 30.50W–.04 16 4.6b,4.1s 344 7-152
GCMT I 27 20 11 20.5–.30 59.37N–.03 30.36W–.04 12 4.8W,4.1s **¶610145092**
IDC I 27 20 11 20.3–.47 59.50N 30.39W 0 4.1,4.0s
NEIC I 27 20 11 22.5–1.9 59.57N–.08 30.4W–.10 10–4 4.7b,4.0s
DNK I 27 20 11 32.5–5.3 60.64N 30.31W 0–217 3.6L,4.0s
BGR I 27 20 11 33.7 58.93N 28.66W 33 4.7b,4.0s

ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s11,c11; s86,c122;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.83±.08 $M_{\theta\theta}$0.13±.10; $M_{\phi\phi}$1.70±.05; $M_{r\theta}$-0.22±.34; $M_{\theta\phi}$1.11±.06; $M_{\phi r}$0.21±.28; Best double couple: NP1:ϕ_s196.00000°,δ47.00000°,λ-106.00000°. NP2:ϕ_s39.00000°,δ45.00000°,λ-74.00000°. Principal axes: T 2.2760,Plg1.0000°,Azm297.0000°; N -0.3860,Plg11.0000°,Azm207.0000°; P -1.8910,Plg79.0000°,Azm33.0000° $M_0$2.08400×10^{16}
IDC Error ellipse: s-maj=15.4km s-min=9.7km az=179.0.
NEIC Event type se. Error ellipse: s-maj=11.6km s-min=9.0km az=177.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DNK Error ellipse: s-maj=108.0km s-min=284.6km az=-1.0.
BGR Event type ke.
IDC I 27 20 25 47.7–1.9 59.42N 30.54W 0 4.3s,3.6 ¶610235501
IDC Error ellipse: s-maj=63.6km s-min=30.6km az=36.0.
ISC I 27 22 51 43.9–.40 59.23N–.07 30.32W–.06 10 4.5b 74 7-94
IDC I 27 22 51 43.4–1.2 59.16N 30.37W 0 3.8,3.7b **¶610235517**
NEIC I 27 22 51 44.0–1.7 59.24N–.06 30.4W–.20 10–1 4.7b,3.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 28 02 13 32.5–.93 59.4N–.20 30.5W–.10 16 3.8b,3.8s 11 12-67
IDC I 28 02 13 30.1–1.0 59.45N 30.52W 0 3.8,3.8b **¶610235524**
ISC Event type ke.
IDC Error ellipse: s-maj=30.1km s-min=19.1km az=26.0.
ISC I 28 02 32 47.4–1.2 59.3N–.30 30.5W–.20 16 3.7b 6 15-61
IDC I 28 02 32 44.9–1.3 59.28N 30.43W 0 3.6,3.6b **¶610235526**
ISC Event type ke.
IDC Error ellipse: s-maj=41.3km s-min=27.2km az=178.0.
ISC I 28 02 42 10.3–.91 59.4N–.10 30.5W–.10 16 3.6s,3.6b 11 7-88
IDC I 28 02 42 07.9–1.1 59.45N 30.47W 0 3.9L,3.7s **¶610235527**
ISC Event type ke.
IDC Error ellipse: s-maj=27.3km s-min=19.3km az=21.0.
ISC I 28 04 53 00.6–1.3 59.5N–.30 30.4W–.20 16 3.5b,3.5s 8 12-61
IDC I 28 04 52 58.3–1.4 59.55N 30.40W 0 3.6,3.6b **¶610235537**
ISC Event type ke.
IDC Error ellipse: s-maj=42.0km s-min=21.5km az=19.0.
IDC I 28 04 59 36.4–1.7 59.37N 30.48W 0 3.5,3.5b ¶610235538
IDC Error ellipse: s-maj=48.0km s-min=33.0km az=35.0.
IDC I 28 13 59 32.1–2.0 59.50N 30.44W 0 3.5,3.5b ¶610235562
IDC Error ellipse: s-maj=65.2km s-min=31.7km az=37.0.
ISC II 02 02 34 03.2–1.0 53.0N–.20 35.5W–.20 10 3.5b 13 25-155
IDC II 02 02 34 01.7–1.1 52.98N 35.48W 0 3.6,3.6b **¶610414643**
ISC Event type ke.
IDC Error ellipse: s-maj=34.6km s-min=23.0km az=34.0.
ISC II 05 21 46 28.0–.43 54.27N–.08 35.24W–.05 10 4.5b,3.8s 105 9-148
IDC II 05 21 46 26.4–.58 54.17N 35.26W 0 4.1,4.1b **¶610197722**
GCMT II 05 21 46 27.4–.30 54.47N–.05 35.22W–.04 12 4.7W,4.1b
NEIC II 05 21 46 28.4–1.5 54.2N–.10 35.3W–.20 10–1 4.7b,4.1b
ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s13,c15; s76,c95;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.31±.07 $M_{\theta\theta}$-0.16±.09; $M_{\phi\phi}$1.47±.05; $M_{r\theta}$0.72±.36; $M_{\theta\phi}$0.03±.06; $M_{\phi r}$0.38±.27; Best double couple: NP1:ϕ_s205.00000°,δ58.00000°,λ-61.00000°. NP2:ϕ_s339.00000°,δ42.00000°,λ-127.00000°. Principal axes: T 1.5290,Plg9.0000°,Azm275.0000°; N 0.1620,Plg24.0000°,Azm8.0000°; P -1.6890,Plg64.0000°,Azm166.0000° $M_0$1.60900×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 17 17 05 40.0–.60 52.8N–.10 32.40W–.07 10 4.1b,3.3s 53 13-149
IDC II 17 17 05 38.6–.90 52.85N 32.39W 0 4.1L,3.8 **¶610243811**
NEIC II 17 17 05 40.4–1.1 52.9N–.10 32.4W–.10 10–1 4.5b,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 21 00 22 04.2–.89 57.5N–.20 33.6W–.10 16 3.6b 10 9-63
IDC II 21 00 22 01.8–1.0 57.52N 33.58W 0 3.5,3.4b **¶610384716**
ISC Event type ke.
IDC Error ellipse: s-maj=37.6km s-min=17.8km az=12.0.
IDC III 17 15 46 45.9–20 57.76N 33.25W 0 3.5s,3.3 ¶610546395
IDC Error ellipse: s-maj=385.2km s-min=97.5km az=126.0.
ISC III 31 17 25 24.7–.49 52.60N–.03 32.36W–.03 18–2 5.3b,5.1s 1925 11-155
DNK III 31 17 25 20.0–5.4 51.98N 32.67W 31–72 5.5b,5.1s **¶611832186**
MOS III 31 17 25 21.2–.87 52.61N 32.38W 10 5.3b,5.0s
IDC III 31 17 25 21.9–.38 52.64N 32.35W 0 4.9s,4.9L
NEIC III 31 17 25 23.1–1.2 52.67N–.07 32.32W–.08 10–1 5.5,5.5
NEIC III 31 17 25 23.1 52.66N 32.30W 10 5.5,5.5
NEIC III 31 17 25 24.5 52.71N 32.31W 20 5.5,5.5
NEIC III 31 17 25 24.5 52.71N 32.31W 20 5.5,5.5
BER III 31 17 25 27.3–1.9 52.67N 31.91W 20 5.5W,5.2b
GCMT III 31 17 25 27.1–.10 52.66N–.01 32.23W–.01 23–0 5.6W,5.2b
BGR III 31 17 25 40.7 52.48N 30.79W 10 4.9b,4.8s
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s218.77432°,δ81.92864°,λ42.70639°. NP2: ϕ_s121.39038°,δ47.81529°,λ169.07718°. Principal axes: T Plg35.0381°,Azm89.3824°; N Plg46.6822°,Azm227.4240°; P Plg22.0587°,Azm342.8750°
DNK Error ellipse: s-maj=37.2km s-min=57.3km az=-1.0.
MOS Error ellipse: s-maj=5.4km s-min=4.3km az=52.1.
IDC Error ellipse: s-maj=11.7km s-min=8.3km az=6.0.
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=7.7km az=194.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.07 $M_{\theta\theta}$-0.86 $M_{\phi\phi}$0.79 $M_{r\theta}$0.48 $M_{\theta\phi}$-1.58 $M_{\phi r}$-0.73 NP1:ϕ_s101.42000°,δ74.76000°,λ162.34000°. NP2:ϕ_s196.21000°,δ72.98000°,λ15.96000°. Principal axes: T 2.1165,Plg23.0000°,Azm59.0000°; N -0.2997,Plg67.0000°,Azm242.0000°; P -1.8168,Plg1.0000°,Azm149.0000° $M_0$1.98000×10^{17}
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2s9 Moment tensor: Scale 10^{17}Nm; M_{rr}0.05 $M_{\theta\theta}$-0.55 $M_{\phi\phi}$0.50 $M_{r\theta}$-0.51 $M_{\theta\phi}$-2.47 $M_{\phi r}$0.48 NP1:ϕ_s275.10000°,δ81.12000°,λ167.99000°. NP2:ϕ_s6.98000°,δ78.14000°,λ9.08000°. Principal axes: T 2.6842,Plg15.0000°,Azm231.0000°; N -0.1261,Plg75.0000°,Azm59.0000°; P -2.5582,Plg2.0000°,Azm321.0000° $M_0$2.62000×10^{17}
NEIC Event type se.
BER Error ellipse: s-maj=69.9km s-min=56.7km az=-1.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s133,c225; s160,c312;Duration: 1s6 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.72±.05 $M_{\theta\theta}$-0.39±.05; $M_{\phi\phi}$1.11±.05; $M_{r\theta}$0.22±.08; $M_{\theta\phi}$-3.51±.04; $M_{\phi r}$-0.46±.07; Best double couple: NP1:ϕ_s186.00000°,δ88.00000°,λ6.00000°. NP2:ϕ_s96.00000°,δ84.00000°,λ178.00000°. Principal axes: T 3.9990,Plg6.0000°,Azm51.0000°; N -0.7650,Plg83.0000°,Azm206.0000°; P -3.2370,Plg3.0000°,Azm321.0000° $M_0$3.61800×10^{17}
BGR Event type ke.
ISC III 31 20 38 41.5–.35 52.61N–.05 32.17W–.04 13 4.5b,3.8s 256 11-149
IDC III 31 20 38 39.8–.57 52.56N 32.23W 0 4.5L,4.2 **¶611832181**
NEIC III 31 20 38 41.1–2.1 52.58N–.02 32.1W–.10 10–1 4.6b,4.2
DNK III 31 20 38 42.4–4.5 52.20N 31.94W 62–61 4.5b,4.2
BER III 31 20 38 42.3–1.0 52.57N 31.99W 10 5.3b,4.5W
BGR III 31 20 38 42.5 51.50N 31.62W 10 4.6b,3.4s
GCMT III 31 20 38 44.1–.30 52.55N–.02 31.80W–.03 28–1 5.0W,3.4s
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BGR Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s14,c16; s79,c99;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.78±.21 $M_{\theta\theta}$0.63±.17; $M_{\phi\phi}$0.15±.15; $M_{r\theta}$1.20±.25; $M_{\theta\phi}$-3.46±.10; $M_{\phi r}$0.27±.20; Best double couple: NP1:ϕ_s270.00000°,δ81.00000°,λ-159.00000°. NP2:ϕ_s177.00000°,δ69.00000°,λ-9.00000°. Principal axes: T 3.9630,Plg9.0000°,Azm42.0000°; N -0.4900,Plg67.0000°,Azm291.0000°; P -3.4720,Plg21.0000°,Azm135.0000° $M_0$3.71800×10^{16}
ISC IV 08 02 33 35.2–.42 52.81N–.08 34.56W–.06 10 4.3b,3.4s 68 14-150
IDC IV 08 02 33 33.6–.53 52.73N 34.59W 0 4.0,4.0b **¶610598333**
NEIC IV 08 02 33 35.4–2.1 52.87N–.02 34.5W–.20 10–1 4.4b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IV 11 05 06 32.0–1.9 53.96N 35.38W 0 3.5,3.5b ¶610652427
IDC Error ellipse: s-maj=138.6km s-min=26.9km az=39.0.
IDC IV 12 21 42 03.2–3.2 53.78N 35.93W 0 3.3,3.3b ¶610652583
IDC Error ellipse: s-maj=155.9km s-min=47.3km az=45.0.
ISC IV 13 17 48 58.2–2.1 58.4N–.50 32.3W–.20 10 3.6b 7 35-69
IDC IV 13 17 48 56.8–2.5 58.38N 32.29W 0 3.5,3.5b **¶610652650**
ISC Event type ke.
IDC Error ellipse: s-maj=77.3km s-min=22.9km az=9.0.
ISC IV 13 17 55 27.7–.84 58.0N–.20 32.5W–.10 18 3.8b 11 9-144
IDC IV 13 17 55 24.9–.94 58.02N 32.52W 0 3.7,3.7b **¶610652651**
ISC Event type ke.
IDC Error ellipse: s-maj=32.1km s-min=17.1km az=18.0.
ISC IV 15 17 41 58.4–1.1 55.2N–.20 35.3W–.10 10 3.4b,3.2s 9 12-147
IDC IV 15 17 41 57.1–1.3 55.25N 35.28W 0 3.5,3.4b **¶610652809**
ISC Event type ke.
IDC Error ellipse: s-maj=45.5km s-min=20.3km az=26.0.
ISC IV 17 17 14 04.9–.42 55.49N–.10 35.25W–.05 14 4.6b,3.8s 322 12-147
IDC IV 17 17 14 02.6–.71 55.45N 35.17W 0 3.9,3.9b **¶610529584**
GCMT IV 17 17 14 03.9–.30 55.70N–.04 35.06W–.04 12 4.7W,3.9b
NEIC IV 17 17 14 05.0–1.2 55.5N–.10 35.3W–.20 10–1 4.6b,3.9b
ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s19,c21; s72,c89;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.26±.06 $M_{\theta\theta}$0.01±.07; $M_{\phi\phi}$1.25±.04; $M_{r\theta}$0.86±.24; $M_{\theta\phi}$0.28±.05; $M_{\phi r}$-0.46±.22; Best double couple: NP1:ϕ_s344.00000°,δ52.00000°,λ-123.00000°. NP2:ϕ_s215.00000°,δ44.00000°,λ-49.00000°. Principal axes: T 1.3470,Plg8.0000°,Azm97.0000°; N 0.4370,Plg27.0000°,Azm3.0000°; P -1.7880,Plg61.0000°,Azm201.0000° $M_0$1.56800×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 17 18 28 36.6–.87 55.6N–.20 35.1W–.10 14 3.4b,3.0s 10 16-147
IDC IV 17 18 28 34.5–1.0 55.54N 35.13W 0 3.4,3.4b **¶610652938**
ISC Event type ke.
IDC Error ellipse: s-maj=38.7km s-min=18.2km az=20.0.
ISC IV 17 22 57 46.1–.46 55.40N–.09 35.29W–.05 10 4.4b,4.0s 260 8-100
IDC IV 17 22 57 44.6–.69 55.32N 35.20W 0 3.9s,3.9 **¶610529597**
NEIC IV 17 22 57 46.4–1.3 55.6N–.10 35.3W–.10 10–1 4.5b,3.9
GCMT IV 17 22 57 47.4–.30 55.53N–.05 35.12W–.04 19–1 4.8W,3.9
DNK IV 17 22 59 19.8–5.3 63.27N 35.83W 15–999 4.8W,3.9
ISC Event type se.
IDC Error ellipse: s-maj=23.9km s-min=12.2km az=11.0.
NEIC Event type se. Error ellipse: s-maj=19.6km s-min=12.8km az=194.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s17,c17; s83,c114;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.17±.20 $M_{\theta\theta}$-0.14±.12; $M_{\phi\phi}$2.31±.13; $M_{r\theta}$-0.33±.30; $M_{\theta\phi}$0.24±.07; $M_{\phi r}$-0.33±.25; Best double couple: NP1:ϕ_s14.00000°,δ50.00000°,λ-79.00000°. NP2:ϕ_s177.00000°,δ41.00000°,λ-102.00000°. Principal axes: T 2.3620,Plg5.0000°,Azm96.0000°; N -0.1160,Plg8.0000°,Azm187.0000°; P -2.2420,Plg81.0000°,Azm337.0000° $M_0$2.30200×10^{16}
DNK Error ellipse: s-maj=263.9km s-min=172.3km az=-1.0.
ISC IV 23 06 10 47.3–1.0 52.9N–.20 35.5W–.10 10 3.4b 12 19-150
IDC IV 23 06 10 45.9–1.2 52.91N 35.50W 0 3.6L,3.5 **¶610649801**
ISC Event type ke.
IDC Error ellipse: s-maj=41.1km s-min=19.6km az=24.0.
ISC IV 30 03 19 49.6–1.4 52.8N–.30 35.6W–.20 10 3.5b 8 20-150
IDC IV 30 03 19 48.1–1.7 52.74N 35.58W 0 3.5,3.5b **¶610650377**
ISC Event type ke.
IDC Error ellipse: s-maj=68.1km s-min=22.2km az=30.0.
ISC V 13 15 50 18.6–1.1 60.8N–.10 28.6W–.10 10 3.6b,3.3s 10 5-60
IDC V 13 15 50 17.4–1.2 60.91N 28.50W 0 3.6,3.5b **¶610690203**
ISC Event type ke.
IDC Error ellipse: s-maj=34.2km s-min=21.4km az=14.0.
ISC V 24 01 20 10.6–.36 58.10N–.06 32.16W–.05 14 4.6b,3.6s 415 8-144
IDC V 24 01 20 08.4–.67 58.01N 32.24W 0 4.2,4.1b **¶610650862**
NEIC V 24 01 20 10.1–1.3 58.09N–.07 32.2W–.10 10–1 4.6b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 07 09 06 15.8–.53 57.10N–.04 33.90W–.03 15–3 5.1b,4.4s 900 7-151
BJI VI 07 09 06 12.2–.00 57.22N 34.25W 8 5.3b,5.2b **¶611834060**
IDC VI 07 09 06 12.8–.37 56.99N 33.83W 0 4.7,4.7b
MOS VI 07 09 06 13.1–.91 57.09N 33.88W 10 5.2b,4.3s
NEIC VI 07 09 06 15.1–1.6 57.13N–.05 34.0W–.10 10–1 5.1b,4.3s
GCMT VI 07 09 06 16.1–.20 57.13N–.01 33.67W–.02 12 5.2W,4.3s
DNK VI 07 09 06 20.9–5.1 57.65N 34.06W 8–85 5.6b,3.9L
BGR VI 07 09 06 20.9 57.36N 33.20W 20 5.0b,4.1s
ISC Event type ke.
IDC Error ellipse: s-maj=12.1km s-min=7.8km az=175.0.
MOS Error ellipse: s-maj=7.3km s-min=5.0km az=66.8.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=8.4km az=244.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s48,c60; s121,c212;Duration: 1s0 Moment tensor: Scale 10^{16}Nm; M_{rr}-6.58±.15 $M_{\theta\theta}$1.35±.15; $M_{\phi\phi}$5.24±.12; $M_{r\theta}$0.30±.48; $M_{\theta\phi}$4.60±.11; $M_{\phi r}$-1.84±.41; Best double couple: NP1:ϕ_s21.00000°,δ52.00000°,λ-107.00000°. NP2:ϕ_s227.00000°,δ41.00000°,λ-70.00000°. Principal axes: T 8.4160,Plg5.0000°,Azm123.0000°; N -1.4020,Plg13.0000°,Azm32.0000°; P -7.0040,Plg76.0000°,Azm234.0000° $M_0$7.71000×10^{16}
DNK Error ellipse: s-maj=53.5km s-min=63.7km az=-1.0.
BGR Event type ke.
IDC VI 12 12 48 41.5–2.6 55.67N 34.40W 0 3.6,3.6b ¶610791728
IDC Error ellipse: s-maj=95.7km s-min=31.2km az=6.0.
ISC VI 12 13 00 11.2–1.1 56.0N–.20 34.7W–.10 10 4.2b 14 13-147
IDC VI 12 13 00 09.0–2.7 55.75N 34.52W 0 3.8,3.8b **¶610791729**
NEIC VI 12 13 00 11.2–2.1 56.1N–.20 34.8W–.20 10–2 4.4b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 16 21 27 01.3–2.3 52.7N–.20 33.4W–.40 10 3.5b 9 24-149
IDC VI 16 21 27 03.8–2.4 52.78N 32.68W 0 3.5,3.5b **¶610792027**
ISC Event type ke.
IDC Error ellipse: s-maj=57.3km s-min=32.7km az=80.0.

(739) Azores-Cape St. Vincent Ridge.

ISC I 01 00 48 55.1–3.0 36.44N–.07 11.3W–.20 35 37 2-7
MDD I 01 00 48 55.5–1.3 36.68N 11.27W 0 3.6b,2.8 **¶610241084**
INMG I 01 00 48 57.0–1.2 36.47N 11.41W 31 1.7L,2.8
CNRM I 01 00 49 06.0 36.12N 10.04W 0 1.6L,2.8
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=10.3km s-min=9.4km az=22.0.
INMG Event type ke. Error ellipse: s-maj=8.1km s-min=5.3km az=98.0.
ISC I 06 19 13 21.3–3.1 37.19N–.09 13.3W–.20 10 37 4-8
MDD I 06 19 13 23.4–1.2 37.21N 13.25W 0 4.0b,3.3 **¶610241117**
INMG I 06 19 13 24.6–1.2 36.97N 13.64W 10 2.1L,3.3
CNRM I 06 19 13 41.8 36.45N 11.48W 60 2.1L,3.3
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=9.4km s-min=6.9km az=51.0.

INMG Event type ke. Error ellipse: s-maj=7.7km s-min=5.7km az=78.0.
ISC I 08 10 13 22.9–1.9 36.41N–.05 11.07W–.09 35 75 2-7
MDD I 08 10 13 23.6–1.8 36.39N 11.17W 32–44 2.5 **¶610241128**
INMG I 08 10 13 24.5–1.3 36.39N 11.15W 31 1.9L
CNRM I 08 10 13 25.2 36.34N 10.76W 52 1.9L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=27.8km s-min=8.8km az=50.0.
INMG Event type ke. Error ellipse: s-maj=6.6km s-min=4.1km az=85.0.
ISC I 08 16 35 57.7–2.9 36.41N–.09 11.8W–.10 35 67 3-7
MDD I 08 16 35 58.7–1.2 36.52N 11.66W 0 3.6b,2.9 **¶610241130**
INMG I 08 16 35 59.8–1.3 36.38N 11.89W 31 2.0L,2.9
CNRM I 08 16 36 09.0 36.00N 10.73W 78 3.0L,2.9
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=9.8km s-min=8.5km az=13.0.
INMG Event type ke. Error ellipse: s-maj=6.8km s-min=4.6km az=87.0.
ISC I 15 12 33 37.6–3.7 37.62N–.08 15.2W–.20 10 97 5-10
MDD I 15 12 33 39.7–.94 37.78N 15.22W 0 4.5b,3.9 **¶610241159**
INMG I 15 12 33 40.8–2.3 37.46N 15.64W 10 2.7L,3.9
CNRM I 15 12 33 44.2 37.38N 14.49W 0 2.7L,3.9
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=7.7km s-min=6.1km az=47.0.
INMG Event type ke. Error ellipse: s-maj=9.6km s-min=8.7km az=99.0.
ISC I 17 06 23 13.9–2.2 36.26N–.05 11.5W–.10 35 123 2-7
MDD I 17 06 23 14.9–.78 36.37N 11.37W 0 4.0b,3.4 **¶612755963**
INMG I 17 06 23 16.8–1.4 36.26N 11.52W 28–16 2.5L,3.4
CNRM I 17 06 23 21.8 36.06N 10.68W 83 2.2L,3.4
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=6.6km s-min=5.0km az=81.0.
INMG Event type ke. Error ellipse: s-maj=12.5km s-min=4.5km az=73.0.
ISC I 23 06 01 57.4–2.2 36.63N–.06 11.1W–.10 35 128 2-8
MDD I 23 06 01 58.2–1.0 36.58N 11.28W 33–18 4.1b,3.4 **¶610241188**
INMG I 23 06 01 58.2–1.3 36.57N 11.24W 31 2.2L,3.4
CNRM I 23 06 02 00.6 36.43N 10.74W 70 2.2L,3.4
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=9.7km s-min=4.3km az=62.0.
INMG Event type ke. Error ellipse: s-maj=4.9km s-min=3.7km az=66.0.
ISC I 25 20 43 30.8–1.3 36.92N–.04 11.14W–.07 35 166 2-13
LDG I 25 20 43 33.9–.14 36.97N 11.03W 10 3.0L **¶612756022**
MDD I 25 20 43 33.6–.60 36.93N 11.11W 26–7 3.0
INMG I 25 20 43 35.1–1.4 36.88N 11.06W 31 2.8,2.6L
CNRM I 25 20 43 37.4 36.75N 10.58W 70 3.1L,2.6L
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=2.6km s-min=1.9km az=49.0.
MDD Event type ke. Error ellipse: s-maj=5.5km s-min=3.2km az=77.0.
INMG Event type ke. Error ellipse: s-maj=5.0km s-min=3.3km az=81.0.
ISC I 28 16 24 16.5–1.8 36.04N–.04 10.68W–.09 35 108 2-8
MDD I 28 16 24 18.5–.90 36.24N 10.53W 0 2.9 **¶610240924**
INMG I 28 16 24 20.3–1.4 36.08N 10.65W 31–15 2.3L
CNRM I 28 16 24 21.1 35.97N 10.13W 66 2.3L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=7.2km s-min=6.3km az=62.0.
INMG Event type ke. Error ellipse: s-maj=11.5km s-min=4.2km az=66.0.
ISC I 31 14 36 42.2–3.5 37.46N–.09 13.0W–.20 10 67 3-7
MDD I 31 14 36 37.1–1.1 37.24N 13.38W 0 4.0b,3.3 **¶610240934**
INMG I 31 14 36 40.1–1.1 37.19N 13.73W 10 2.6L,3.3
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=9.7km s-min=8.0km az=2.0.
INMG Event type ke. Error ellipse: s-maj=6.5km s-min=5.0km az=90.0.
ISC II 01 03 09 49.9–1.9 35.97N–.06 10.61W–.09 42 134 2-9
MDD II 01 03 09 51.4–.66 36.01N 10.72W 28–18 2.9 **¶610346096**
INMG II 01 03 09 53.6–1.1 35.99N 10.56W 31 2.6L
IGIL II 01 03 09 53.2 35.97N 10.54W 30 2.7L
CNRM II 01 03 09 53.1 35.76N 9.75W 0 2.9L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=14.9km s-min=4.1km az=51.0.
INMG Event type ke. Error ellipse: s-maj=4.1km s-min=2.7km az=93.0.
ISC II 02 16 00 24.1–1.3 36.67N–.07 13.92W–.08 10 65 4-9
CNRM II 02 16 00 25.5 36.36N 14.21W 20 4.4L **¶610346099**
MDD II 02 16 00 27.6–.91 36.72N 13.97W 19–18 4.5b,3.9
IGIL II 02 16 00 28.4 36.72N 13.97W 14 2.4L,3.9
INMG II 02 16 00 31.8–1.6 36.24N 13.93W 10 2.9L,3.9
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=20.0km s-min=7.3km az=77.0.
INMG Event type ke. Error ellipse: s-maj=24.6km s-min=3.8km az=137.0.
ISC II 03 21 29 53.5–2.5 35.21N–.04 11.4W–.20 35 41 3-6
IGIL II 03 21 29 52.3 35.26N 11.70W 20 2.0L **¶610346101**
MDD II 03 21 29 52.1–1.3 35.43N 11.56W 0 4.0b,3.4
INMG II 03 21 29 53.0–.90 35.23N 11.79W 31 2.3L,3.4
CNRM II 03 21 29 56.0 35.15N 11.23W 56 2.3L,3.4
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=17.9km s-min=9.9km az=142.0.
INMG Event type ke. Error ellipse: s-maj=10.1km s-min=4.6km az=108.0.
ISC II 09 05 01 14.8–1.6 35.57N–.03 10.25W–.04 31–13 3.8b 290 2-67
IDC II 09 05 01 12.2–2.8 35.60N 10.46W 0 5.0L,3.5 **¶610224095**
CNRM II 09 05 01 16.8 35.52N 10.07W 24 4.6L,3.5
LDG II 09 05 01 19.4–.25 35.73N 10.13W 10 3.8L,3.5
SFS II 09 05 01 19.1 35.77N 9.98W 0 4.3,4.2L
MDD II 09 05 01 19.3–.35 35.61N 10.12W 30 4.2,4.2L
IGIL II 09 05 01 20.9 35.61N 10.12W 31 3.6L,4.2L
INMG II 09 05 01 21.1–1.8 35.72N 10.22W 31 3.7L,4.2L
ISC Event type ke.
IDC Error ellipse: s-maj=65.8km s-min=24.9km az=90.0.
LDG Event type ke. Error ellipse: s-maj=4.8km s-min=3.7km az=39.0.
MDD Event type ke. Error ellipse: s-maj=3.1km s-min=2.6km az=101.0.
INMG Event type ke. Error ellipse: s-maj=5.0km s-min=3.4km az=83.0.
ISC II 09 07 53 53.1–2.0 37.59N–.08 17.6W–.10 10 43 5-10
MDD II 09 07 53 55.8–.95 37.68N 17.61W 0 4.2b,3.5 **¶610346112**
INMG II 09 07 54 03.6–2.9 37.34N 17.88W 10 3.0L,3.5
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=8.3km s-min=6.8km az=137.0.
INMG Event type ke. Error ellipse: s-maj=98.8km s-min=22.9km az=80.0.
CNRM II 11 04 55 16.5 36.05N 10.64W 10 3.8L
¶612756115

ISC II 18 09 13 37.3–2.3 37.49N–.07 14.0W–.10 10 99 4-9
CNRM II 18 09 13 34.6 33.73N 11.44W 161 **¶610346145**
IGIL II 18 09 13 38.8 37.49N 14.05W 2 2.2L
MDD II 18 09 13 38.2–.85 37.49N 14.05W 0 3.9b,3.2
INMG II 18 09 13 40.8–1.1 37.30N 14.36W 10 2.5L,3.2
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=7.0km s-min=5.9km az=35.0.
INMG Event type ke. Error ellipse: s-maj=5.4km s-min=4.5km az=97.0.
ISC II 20 13 36 32.6–4.0 37.3N–.10 15.0W–.20 10 57 5-8
IGIL II 20 13 36 30.6 36.95N 15.45W 17 2.7L **¶610345710**
MDD II 20 13 36 30.9–1.1 37.25N 15.17W 0 4.4b,3.8
INMG II 20 13 36 33.4–.97 36.97N 15.49W 10 2.7L,3.8
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=9.2km s-min=8.1km az=27.0.
INMG Event type ke. Error ellipse: s-maj=6.1km s-min=5.8km az=177.0.
ISC II 20 17 46 46.9–3.0 36.98N–.08 11.4W–.10 10 53 2-7
IGIL II 20 17 46 51.9 36.99N 11.21W 9 1.6L **¶610345711**
MDD II 20 17 46 52.5–1.4 37.16N 11.05W 0 2.7
INMG II 20 17 46 54.4–1.2 36.98N 11.24W 31 2.0L
CNRM II 20 17 46 57.0 36.50N 10.62W 80 2.0L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=10.5km s-min=8.0km az=62.0.
INMG Event type ke. Error ellipse: s-maj=8.3km s-min=4.3km az=88.0.
ISC II 23 09 38 56.2–2.1 36.31N–.05 11.0W–.10 50 50 2-6
MDD II 23 09 38 57.8–3.0 36.43N 11.14W 48–131 2.9 **¶610345722**
IGIL II 23 09 38 58.2 36.47N 11.07W 17 1.8L
INMG II 23 09 38 58.6–.95 36.45N 11.16W 31 2.1L
CNRM II 23 09 39 00.4 36.12N 10.46W 30 3.2L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=23.5km s-min=8.7km az=51.0.
INMG Event type ke. Error ellipse: s-maj=6.4km s-min=3.5km az=94.0.
ISC II 23 22 40 33.0–2.8 37.53N–.07 12.8W–.10 10 88 3-8
CNRM II 23 22 40 18.9 37.76N 14.47W 32 **¶610345725**
MDD II 23 22 40 35.4–.84 37.53N 12.98W 27–28 4.0b,3.3
IGIL II 23 22 40 36.7 37.53N 12.98W 31 2.5L,3.3
INMG II 23 22 40 36.6–.92 37.39N 13.19W 10 2.5L,3.3
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=26.2km s-min=6.0km az=65.0.
INMG Event type ke. Error ellipse: s-maj=5.0km s-min=3.8km az=63.0.
ISC II 25 11 35 18.2–1.4 37.02N–.05 12.81W–.09 10 188 3-17
CNRM II 25 11 35 16.3 36.99N 13.22W 8 3.8L **¶612756218**
MDD II 25 11 35 18.9–.42 36.87N 13.15W 30 4.8b,4.3
LDG II 25 11 35 20.8–.45 37.04N 12.66W 30 3.8L,4.3
IGIL II 25 11 35 21.0 36.87N 13.15W 31 3.6L,4.3
INMG II 25 11 35 22.5–1.6 36.92N 13.19W 10 3.5L,4.3
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=4.6km s-min=2.9km az=128.0.
LDG Event type ke. Error ellipse: s-maj=9.5km s-min=8.1km az=99.0.
INMG Event type ke. Error ellipse: s-maj=4.2km s-min=2.4km az=125.0.
ISC III 06 07 00 58.7–1.5 37.38N–.06 16.01W–.09 10 139 4-15
LDG III 06 07 00 58.3–.33 37.49N 16.27W 30 3.8L **¶612756278**
MDD III 06 07 01 01.4–.69 37.37N 16.21W 30 4.8b,4.3
IGIL III 06 07 01 01.7 37.38N 16.26W 14 3.5L,4.3
INMG III 06 07 01 05.1–2.5 37.37N 16.25W 45–11 3.5L,4.3
CNRM III 06 07 01 10.0 37.45N 15.42W 128 3.7L,4.3
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=9.2km s-min=4.7km az=111.0.
MDD Event type ke. Error ellipse: s-maj=7.2km s-min=3.7km az=124.0.
INMG Event type ke. Error ellipse: s-maj=8.5km s-min=3.0km az=120.0.
ISC III 09 04 13 07.1–2.5 38.31N–.05 12.2W–.10 10 152 2-11
MDD III 09 04 13 12.0–.55 38.26N 11.92W 0 4.2b,3.6 **¶610330532**
CNRM III 09 04 13 13.7 37.60N 11.97W 30 4.2b,3.6
IGIL III 09 04 13 13.7 38.30N 11.97W 14 3.0L,3.6
LDG III 09 04 13 13.0–.21 38.32N 12.06W 10 3.2L,3.6
INMG III 09 04 13 14.1–1.3 38.26N 12.34W 19 2.9L,3.6
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=4.4km s-min=3.4km az=74.0.
LDG Event type ke. Error ellipse: s-maj=3.9km s-min=2.8km az=72.0.
INMG Event type ke. Error ellipse: s-maj=5.4km s-min=3.1km az=86.0.
ISC III 18 08 28 18.7–2.0 37.00N–.05 10.06W–.08 10 72 1-7
CNRM III 18 08 28 21.2 36.88N 9.96W 81 2.3L **¶612756362**
SFS III 18 08 28 22.4 37.07N 9.96W 16 3.3L,3.1L
MDD III 18 08 28 22.4–.94 37.07N 9.96W 18–7 2.1,3.1L
IGIL III 18 08 28 23.0 37.08N 9.93W 9 1.7L,3.1L
INMG III 18 08 28 23.0–1.1 37.07N 9.95W 16–5 2.0L,3.1L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=10.0km s-min=5.3km az=38.0.
INMG Event type ke. Error ellipse: s-maj=6.0km s-min=3.4km az=47.0.
ISC III 28 09 35 51.1–2.8 36.66N–.07 12.2W–.10 10 89 3-7
MDD III 28 09 35 56.6–.96 36.83N 12.07W 0 4.0b,3.3 **¶612756445**
INMG III 28 09 35 57.7–1.3 36.66N 12.49W 30 2.4L,3.3
IGIL III 28 09 35 57.2 36.83N 12.07W 0 2.3L,3.3
CNRM III 28 09 36 01.0 36.22N 11.36W 0 2.3L,3.3
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=7.6km s-min=6.7km az=36.0.
INMG Event type ke. Error ellipse: s-maj=6.5km s-min=4.7km az=86.0.
ISC IV 03 17 42 09.1–1.9 36.58N–.06 11.89W–.10 10 192 2-26
IDC IV 03 17 42 07.0–5.1 36.35N 11.97W 0 4.7s,4.4L **¶610642054**
MDD IV 03 17 42 10.3–.48 36.58N 11.91W 0 4.7b,4.2
IGIL IV 03 17 42 12.5 36.60N 11.92W 12 3.4L,4.2
LDG IV 03 17 42 12.4–.14 36.59N 11.93W 10 3.9L,4.2
INMG IV 03 17 42 13.2–1.9 36.56N 11.93W 17 3.6L,4.2
CNRM IV 03 17 42 15.2 36.03N 11.23W 0 3.9L,4.2
ISC Event type ke.
IDC Error ellipse: s-maj=89.6km s-min=32.1km az=103.0.
MDD Event type ke. Error ellipse: s-maj=3.8km s-min=3.4km az=75.0.
LDG Event type ke. Error ellipse: s-maj=2.6km s-min=2.2km az=63.0.
INMG Event type ke. Error ellipse: s-maj=4.8km s-min=3.4km az=77.0.
ISC IV 03 21 07 13.7–2.6 36.43N–.06 11.6W–.10 35 81 2-7
MDD IV 03 21 07 13.6–1.2 36.38N 11.67W 67–45 3.4b **¶610660944**
IGIL IV 03 21 07 13.9 36.41N 11.73W 27 1.6L
INMG IV 03 21 07 15.1–1.4 36.41N 11.71W 31 2.1L
CNRM IV 03 21 07 17.5 36.09N 10.97W 0 2.1L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=10.5km s-min=7.9km az=73.0.
INMG Event type ke. Error ellipse: s-maj=7.9km s-min=4.6km az=88.0.
ISC IV 06 23 21 32.9–3.2 37.09N–.09 13.3W–.20 10 70 4-8
MDD IV 06 23 21 36.8–1.0 37.16N 13.24W 0 4.0b,3.4 **¶610660961**
IGIL IV 06 23 21 37.2 36.91N 13.59W 31 1.8L,3.4
INMG IV 06 23 21 39.0–1.3 36.94N 13.58W 33 2.2L,3.4
CNRM IV 06 23 21 45.6 37.14N 11.71W 276 2.2L,3.4
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=8.6km s-min=6.6km az=34.0.
INMG Event type ke. Error ellipse: s-maj=7.0km s-min=6.3km az=49.0.
ISC IV 16 10 47 37.9–2.0 37.37N–.05 12.6W–.10 35 149 3-9
MDD IV 16 10 47 38.2–.73 37.46N 12.76W 30 4.3b,3.7 **¶610661018**
IGIL IV 16 10 47 38.3 37.46N 12.76W 26 3.0L,3.7
INMG IV 16 10 47 38.4–1.2 37.26N 12.98W 24 2.9L,3.7
CNRM IV 16 10 47 43.8 36.73N 12.24W 30 2.9L,3.7
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=5.8km s-min=4.6km az=50.0.
INMG Event type ke. Error ellipse: s-maj=5.3km s-min=3.8km az=77.0.
ISC IV 27 03 21 01.5–1.6 36.20N–.04 10.04W–.08 35 94 1-6
MDD IV 27 03 21 04.4–.76 36.25N 9.97W 43 2.7 **¶612756695**
SFS IV 27 03 21 04.9 36.41N 9.88W 10 3.0L,2.8L
IGIL IV 27 03 21 05.4 36.26N 9.94W 30 2.0L,2.8L
INMG IV 27 03 21 05.8–1.4 36.26N 9.93W 39 2.2L,2.8L
CNRM IV 27 03 21 06.9 36.21N 9.46W 59 2.7L,2.8L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=7.2km s-min=4.0km az=85.0.
INMG Event type ke. Error ellipse: s-maj=5.9km s-min=3.0km az=85.0.
ISC IV 28 09 07 44.1–1.5 37.16N–.06 14.11W–.09 10 111 4-9
IGIL IV 28 09 07 45.8 37.07N 14.64W 31 2.5L **¶610661080**
MDD IV 28 09 07 45.5–.85 37.16N 14.36W 10–11 4.5b,3.9
INMG IV 28 09 07 47.5–1.2 37.08N 14.61W 20 2.8L,3.9
CNRM IV 28 09 07 53.4 36.96N 13.56W 148 3.1L,3.9
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=11.3km s-min=7.2km az=85.0.
INMG Event type ke. Error ellipse: s-maj=6.5km s-min=6.0km az=3.0.
ISC V 07 07 36 42.5–1.7 37.11N–.06 14.51W–.09 35 91 4-9
IGIL V 07 07 36 46.2 37.04N 14.51W 31 2.5L **¶610696783**
INMG V 07 07 36 47.8–1.4 37.02N 14.48W 23 2.7L
MDD V 07 07 36 47.3–.79 37.31N 14.10W 0 4.3b,3.7
CNRM V 07 07 36 52.0 36.99N 13.66W 14 4.3b,3.7
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=6.1km s-min=2.9km az=126.0.
MDD Event type ke. Error ellipse: s-maj=6.1km s-min=5.6km az=56.0.
ISC V 07 09 47 33.4–2.4 36.00N–.08 10.7W–.10 35 102 2-7
IGIL V 07 09 47 36.1 36.01N 10.69W 27 2.5L **¶610696785**
MDD V 07 09 47 36.3–.90 36.22N 10.48W 0 2.7
INMG V 07 09 47 36.8–1.2 36.06N 10.63W 20 2.3L
CNRM V 07 09 47 36.8 35.90N 10.23W 99 2.7L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=7.2km s-min=5.0km az=32.0.
INMG Event type ke. Error ellipse: s-maj=5.0km s-min=4.1km az=72.0.
ISC V 12 12 44 11.3–2.1 36.59N–.05 11.5W–.10 35 94 2-7
MDD V 12 12 44 12.4–1.3 36.59N 11.59W 37–51 4.1b,3.4 **¶610696808**
INMG V 12 12 44 14.0–1.2 36.61N 11.54W 35 2.2L,3.4
IGIL V 12 12 44 14.2 36.61N 11.54W 31 2.2L,3.4

CNRM V 12 12 44 19.0 36.35N 10.86W 83 2.1L,3.4
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=22.6km s-min=7.2km az=52.0.
INMG Event type ke. Error ellipse: s-maj=6.2km s-min=4.4km az=91.0.
ISC V 12 22 55 38.1–1.2 35.18N–.05 16.01W–.07 35 68 2-11
MDD V 12 22 55 39.4–.87 35.21N 16.27W 30 4.6b,4.0 **¶610696810**
INMG V 12 22 55 42.1–1.9 35.21N 16.30W 16 2.7L,4.0
CNRM V 12 22 56 07.8 34.56N 14.06W 175 2.7L,4.0
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=10.1km s-min=3.1km az=114.0.
INMG Event type ke. Error ellipse: s-maj=9.9km s-min=2.3km az=115.0.
ISC V 20 01 30 04.9–1.9 35.23N–.04 11.4W–.10 10 82 3-7
MDD V 20 01 30 07.5–1.0 35.22N 11.61W 37–42 3.2b,2.4 **¶610696846**
INMG V 20 01 30 09.8–1.4 35.23N 11.50W 32–13 2.2L,2.4
IGIL V 20 01 30 09.2 35.23N 11.48W 25 2.2L,2.4
CNRM V 20 01 30 15.3 34.88N 10.87W 137 3.1L,2.4
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=17.5km s-min=5.9km az=85.0.
INMG Event type ke. Error ellipse: s-maj=13.8km s-min=4.8km az=78.0.
ISC V 26 08 27 22.0–1.7 36.95N–.04 11.06W–.09 35 91 2-7
INMG V 26 08 27 25.6–1.5 36.97N 10.99W 31 2.2L **¶610696872**
CNRM V 26 08 27 26.0 36.71N 10.85W 33 2.5L
IGIL V 26 08 27 25.2 36.96N 10.99W 32 2.0L
MDD V 26 08 27 25.1–1.3 37.00N 10.71W 0 2.7
ISC Event type ke.
INMG Event type ke. Error ellipse: s-maj=6.5km s-min=4.3km az=84.0.
MDD Event type ke. Error ellipse: s-maj=12.7km s-min=9.7km az=151.0.
ISC V 26 20 52 29.5–2.0 37.27N–.07 13.1W–.10 10 69 3-8
IGIL V 26 20 52 28.0 37.11N 13.49W 19 2.0L **¶610696875**
MDD V 26 20 52 28.1–1.1 37.11N 13.27W 0 3.7b,3.0
CNRM V 26 20 52 29.5 37.41N 13.35W 18 3.7b,3.0
INMG V 26 20 52 29.9–1.1 37.04N 13.67W 29 2.1L,3.0
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=11.8km s-min=8.2km az=165.0.
INMG Event type ke. Error ellipse: s-maj=6.2km s-min=5.0km az=97.0.
ISC VI 01 12 40 48.0–2.1 36.77N–.04 10.77W–.08 11–10 81 2-7
MDD VI 01 12 40 52.0–.98 36.96N 10.82W 9–25 2.8 **¶610932995**
IGIL VI 01 12 40 53.3 36.88N 11.03W 31 1.7L
INMG VI 01 12 40 53.1–1.1 36.88N 10.99W 38 2.0L
CNRM VI 01 12 40 56.7 36.39N 10.09W 0 3.1L
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=32.3km s-min=8.4km az=60.0.
INMG Event type ke. Error ellipse: s-maj=6.8km s-min=4.3km az=100.0.
ISC VI 01 23 39 37.6–3.1 36.77N–.09 11.6W–.10 35 46 2-7
MDD VI 01 23 39 36.1–1.1 36.70N 11.71W 25–22 4.0b,3.3 **¶610932998**
INMG VI 01 23 39 38.5–.96 36.68N 11.64W 37 1.9L,3.3
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=21.9km s-min=9.5km az=75.0.
INMG Event type ke. Error ellipse: s-maj=6.5km s-min=2.9km az=93.0.
ISC VI 05 20 00 52.7–1.3 36.99N–.05 13.05W–.08 10 136 3-16
LDG VI 05 20 00 58.9–.26 37.05N 13.14W 30 3.6L **¶610670879**
IGIL VI 05 20 00 58.9 37.05N 13.13W 40 3.2L
MDD VI 05 20 00 58.4–.78 37.06N 13.09W 28–23 4.7b,4.1
INMG VI 05 20 00 59.9–1.8 36.94N 13.21W 14 3.2L,4.1
CNRM VI 05 20 01 00.6 36.64N 12.35W 0 3.1L,4.1
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=5.3km s-min=4.0km az=90.0.
MDD Event type ke. Error ellipse: s-maj=20.2km s-min=5.4km az=85.0.
INMG Event type ke. Error ellipse: s-maj=4.5km s-min=2.5km az=127.0.
ISC VI 07 08 17 17.6–3.7 37.96N–.09 13.6W–.20 10 52 4-7
MDD VI 07 08 17 18.6–1.1 37.92N 13.56W 0 4.2b,3.5 **¶610933030**
INMG VI 07 08 17 21.6–1.0 37.61N 13.90W 25 2.3L,3.5
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=8.6km s-min=6.7km az=58.0.
INMG Event type ke. Error ellipse: s-maj=10.3km s-min=7.0km az=175.0.
ISC VI 15 07 12 21.2–2.9 39.00N–.05 12.6W–.20 35 104 3-9
MDD VI 15 07 12 25.2–.91 39.01N 12.40W 30 4.1b,3.5 **¶610933069**
IGIL VI 15 07 12 26.5 39.01N 12.40W 31 2.5L,3.5
INMG VI 15 07 12 27.2–1.4 38.95N 12.55W 32 2.3L,3.5
CNRM VI 15 07 12 30.9 38.61N 11.84W 138 2.3L,3.5
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=7.6km s-min=5.3km az=68.0.
INMG Event type ke. Error ellipse: s-maj=6.9km s-min=4.0km az=82.0.
ISC VI 15 18 40 11.2–3.0 37.60N–.07 15.8W–.20 10 73 5-10
IGIL VI 15 18 40 10.5 37.46N 16.21W 7 2.5L **¶610933070**
MDD VI 15 18 40 12.7–1.1 37.72N 15.90W 0 3.9b,3.2
INMG VI 15 18 40 14.8–2.0 37.51N 16.29W 18 2.6L,3.2
CNRM VI 15 18 40 23.4 37.20N 15.26W 70 2.6L,3.2
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=8.8km s-min=7.7km az=25.0.
INMG Event type ke. Error ellipse: s-maj=9.4km s-min=6.8km az=127.0.
ISC VI 21 21 40 55.9–2.9 37.30N–.08 13.0W–.10 10 91 3-8
MDD VI 21 21 40 54.6–.86 37.10N 13.18W 0 4.1b,3.4 **¶610933096**
CNRM VI 21 21 40 55.1 36.84N 13.41W 29 4.1b,3.4
INMG VI 21 21 40 58.6–1.2 36.97N 13.42W 27 2.4L,3.4
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=6.6km s-min=5.3km az=88.0.
INMG Event type ke. Error ellipse: s-maj=7.2km s-min=4.9km az=104.0.
INMG VI 23 02 59 27.2–1.2 36.76N 10.84W 36 1.7L
CNRM VI 23 02 59 34.8 36.34N 9.69W 0 1.7L **¶610933102**
INMG Event type ke. Error ellipse: s-maj=9.1km s-min=4.5km az=99.0.
ISC VI 24 01 01 36.8–1.1 36.87N–.05 13.03W–.07 10 202 3-16
MDD VI 24 01 01 42.0–.58 36.78N 13.09W 39–38 4.4b,3.8 **¶610780034**
CNRM VI 24 01 01 41.9 36.72N 13.05W 74 3.2L,3.8
IGIL VI 24 01 01 43.1 36.78N 13.09W 31 3.2L,3.8
LDG VI 24 01 01 43.7–.15 36.84N 13.01W 25 3.3L,3.8
INMG VI 24 01 01 45.2–1.6 36.80N 13.05W 29 3.1L,3.8
ISC Event type ke.
MDD Event type ke. Error ellipse: s-maj=11.8km s-min=3.9km az=73.0.
LDG Event type ke. Error ellipse: s-maj=2.8km s-min=2.3km az=62.0.
INMG Event type ke. Error ellipse: s-maj=5.0km s-min=3.2km az=81.0.

SEISMIC REGION 33.
Indian Ocean.

(415) Eastern Gulf of Aden.

ISC I 15 13 43 13.9–1.1 13.1N–.20 50.9E–.10 16 3.6b,3.0s 7 8-89
IDC I 15 13 43 11.6–1.5 13.13N 50.97E 0 4.2L,3.7 **¶610237440**
ISC Event type ke.
IDC Error ellipse: s-maj=38.3km s-min=33.8km az=131.0.
ISC III 26 09 47 31.0–.65 13.2N–.10 50.85E–.10 16 4.3b,3.8s 34 8-131
IDC III 26 09 47 28.7–.67 13.10N 50.88E 0 4.2,4.2b **¶610435159**
NEIC III 26 09 47 29.8–1.2 13.1N–.20 51.0E–.10 10–2 4.4b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 26 16 08 45.0–.72 14.94N–.07 52.15E–.08 35 3.9b,3.0s 57 3-89
IDC III 26 16 08 39.3–1.4 14.56N 52.37E 0 3.9,3.9b **¶610543733**
NEIC III 26 16 08 41.4–1.0 14.7N–.10 52.3E–.30 10–1 4.2b,3.9b
OMAN III 26 16 08 46.9–2.1 15.35N 51.82E 33 5.3b,3.6L
ISC Event type se.
IDC Error ellipse: s-maj=34.9km s-min=21.7km az=25.0.
NEIC Event type se. Error ellipse: s-maj=50.1km s-min=13.8km az=115.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
OMAN Error ellipse: s-maj=22.3km s-min=15.4km az=133.0.
ISC IV 04 14 21 26.1–1.0 13.0N–.30 51.4E–.10 10 3.9b 7 8-88
IDC IV 04 14 21 24.3–1.1 12.97N 51.37E 0 4.1s,4.0 **¶610651923**
ISC Event type ke.
IDC Error ellipse: s-maj=38.4km s-min=25.8km az=167.0.
ISC IV 18 05 45 51.6–.53 13.20N–.07 50.74E–.06 10 4.6b,3.7s 157 5-131
IDC IV 18 05 45 50.0–.69 13.12N 50.67E 0 4.3,4.3b **¶610529603**
NEIC IV 18 05 45 52.1–2.4 13.2N–.10 50.68E–.10 10–1 4.6b,4.3b
OMAN IV 18 05 45 53.3–.61 13.27N 50.84E 25–10 4.0L,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=16.9km s-min=14.3km az=174.0.
NEIC Event type se. Error ellipse: s-maj=19.0km s-min=14.0km az=147.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
OMAN Error ellipse: s-maj=10.8km s-min=4.5km az=151.0.
ISC V 19 09 08 47.6–.49 14.10N–.06 51.61E–.05 21 4.6b,3.8s 190 4-127
IDC V 19 09 08 42.0–1.1 13.65N 51.57E 0 4.4,4.3b **¶610643066**
GCMT V 19 09 08 46.4–.40 13.96N–.02 51.59E–.02 18–1 4.8W,4.3b
NEIC V 19 09 08 46.4–1.7 14.08N–.09 51.63E–.09 10–1 4.7b,4.3b
DSN V 19 09 08 50.0–.97 14.52N 51.40E 10 4.3L,4.3b
OMAN V 19 09 08 50.3–1.6 14.47N 51.38E 33 4.6L,4.0b
SGS V 19 09 09 14.6 15.18N 50.09E 20 4.5L,4.0b
ISC Event type se.
IDC Error ellipse: s-maj=24.5km s-min=16.5km az=20.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s21,c24; s78,c101;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.14±.09 $M_{\theta\theta}$1.61±.09; $M_{\phi\phi}$-1.47±.09; $M_{r\theta}$-0.53±.18; $M_{\theta\phi}$1.22±.08; $M_{\phi r}$0.94±.22; Best double couple: NP1:ϕ_s113.00000°,δ77.00000°,λ-23.00000°. NP2:ϕ_s209.00000°,δ68.00000°,λ-166.00000°. Principal axes: T 2.0540,Plg6.0000° ,Azm162.0000°; N 0.3380,Plg64.0000°,Azm264.0000°; P -2.3970,Plg25.0000°,Azm70.0000° $M_0 2.22600\times10^{16}$
NEIC Event type se. Error ellipse: s-maj=17.2km s-min=12.1km az=137.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DSN Error ellipse: s-maj=13.0km s-min=9.2km az=112.0.
OMAN Error ellipse: s-maj=26.4km s-min=12.4km az=120.0.
ISC VI 15 03 56 08.5–.70 13.28N–.10 51.11E–.08 12 4.5b,4.1s 85 5-131
IDC VI 15 03 56 06.0–.89 13.08N 51.11E 0 4.1s,4.1 **¶610674314**
NEIC VI 15 03 56 08.2–1.3 13.1N–.10 51.2E–.10 10–2 4.5b,4.1
GCMT VI 15 03 56 08.2–.30 13.25N–.02 50.85E–.03 19–1 5.0W,4.1
OMAN VI 15 03 56 09.2–.72 13.87N 50.60E 10 4.1b,4.0L
ISC Event type se.
IDC Error ellipse: s-maj=22.4km s-min=16.8km az=10.0.
NEIC Event type se. Error ellipse: s-maj=23.5km s-min=14.5km az=152.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s17,c17; s93,c134;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.23±.24 $M_{\theta\theta}$2.75±.15; $M_{\phi\phi}$0.48±.14; $M_{r\theta}$0.87±.25; $M_{\theta\phi}$-1.13±.08; $M_{\phi r}$1.20±.35; Best double couple: NP1:ϕ_s272.00000°,δ52.00000°,λ-117.00000°. NP2:ϕ_s131.00000°,δ45.00000°,λ-60.00000°. Principal axes: T 3.2380,Plg3.0000° ,Azm21.0000°; N 0.5570,Plg21.0000°,Azm290.0000°; P -3.7940,Plg69.0000°,Azm120.0000° $M_0 3.51600\times10^{16}$
OMAN Error ellipse: s-maj=20.4km s-min=3.6km az=140.0.

(416) Socotra region.

ISC IV 07 09 04 27.7–.72 13.8N–.10 56.89E–.09 15 4.2b,3.6s 52 10-133
NEIC IV 07 09 04 26.7–1.7 13.8N–.10 56.9E–.10 10–1 4.3b,3.6s **¶610652137**
IDC IV 07 09 04 26.1–.88 13.82N 56.93E 0 4.0,4.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=22.3km s-min=17.3km az=103.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=21.8km s-min=17.7km az=38.0.
IDC VI 26 13 49 02.6–16 12.36N 56.83E 0 3.7,3.6b
¶610789511
IDC Error ellipse: s-maj=560.6km s-min=32.3km az=81.0.

(417) Arabian Sea.

IDC I 14 22 31 31.9–516 9.77N 62.41E 0
¶610237393
IDC Error ellipse: s-maj=375.0km s-min=144.4km az=136.0.

(420) North Indian Ocean.

IDC I 22 21 51 39.0–6.2 2.50N 89.40E 0 3.3,3.3b
¶610235142
IDC Error ellipse: s-maj=203.1km s-min=37.2km az=61.0.
ISC II 27 20 18 43.1–1.3 2.3N–.20 89.7E–.10 10 3.7b,3.4s 12 10-146
IDC II 27 20 18 41.8–1.6 2.36N 89.71E 0 3.7,3.6b **¶610385152**
ISC Event type ke.
IDC Error ellipse: s-maj=42.0km s-min=27.7km az=34.0.
ISC IV 02 15 02 21.4–.54 1.17N–.08 88.68E–.07 10 4.3b,3.4s 62 8-147
IDC IV 02 15 02 20.1–.85 1.23N 88.66E 0 4.8L,4.1 **¶610651763**
NEIC IV 02 15 02 21.6–1.6 1.12N–.09 88.72E–.07 10–1 4.5b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 23 18 17 29.7–3.3 1.8N–.40 84.3E–.30 10 3.6b 7 7-52
IDC V 23 18 17 27.9–5.4 1.74N 84.30E 0 3.9L,3.7 **¶610685239**
ISC Event type ke.
IDC Error ellipse: s-maj=98.2km s-min=37.8km az=15.0.
ISC VI 19 02 52 07.5–.44 1.82N–.07 91.00E–.05 10 4.4b,3.9s 124 5-146
IDC VI 19 02 52 06.5–.61 1.81N 90.86E 0 4.5L,4.2 **¶610681623**
NEIC VI 19 02 52 07.8–1.7 1.88N–.10 91.00E–.08 11–4 4.6b,4.2
DJA VI 19 02 52 11.4–.60 2N–5.0 91E–5.0 10 5.7,5.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 30 04 33 24.6–.74 2.59N–.08 82.9E–.10 10 3.8b 20 5-148
IDC VI 30 04 33 24.5–.97 2.81N 83.31E 0 4.8L,3.7 **¶610789757**
ISC Event type ke.
IDC Error ellipse: s-maj=30.9km s-min=20.9km az=52.0.

(421) Carlsberg Ridge.

ISC I 12 15 40 38.5–.56 0.72S–.10 67.47E–.07 10 4.4b,3.9s 44 6-142
IDC I 12 15 40 35.9–4.0 0.79S 67.09E 0 3.9s,3.8 **¶610237244**
NEIC I 12 15 40 40.1–2.8 0.69S–.10 67.50E–.08 15–5 4.5b,3.8
GCMT I 12 15 40 41.1–.30 0.74S–.03 67.31E–.03 13–1 4.8W,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s19,c21; s82,c100;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.00±.13 $M_{\theta\theta}$1.35±.09; $M_{\phi\phi}$0.65±.09; $M_{r\theta}$-0.17±.23; $M_{\theta\phi}$-0.59±.06; $M_{\phi r}$-0.61±.28; Best double couple: NP1:ϕ_s314.00000°,δ49.00000°,λ-72.00000°. NP2:ϕ_s107.00000°,δ44.00000°,λ-110.00000°. Principal axes: T 1.6990,Plg3.0000° ,Azm31.0000°; N 0.4650,Plg14.0000°,Azm122.0000°; P -2.1580,Plg76.0000°,Azm291.0000° $M_0 1.92900\times10^{16}$
IDC I 12 16 05 12.4–9.6 0.65S 67.54E 0 3.8s,3.7
¶610237247
IDC Error ellipse: s-maj=299.7km s-min=33.5km az=70.0.
IDC I 12 21 15 32.6–9.9 0.88S 67.09E 0 3.5s,3.5
¶610237260
IDC Error ellipse: s-maj=310.5km s-min=31.7km az=69.0.
ISC II 06 13 49 34.7–.45 5.48N–.08 61.42E–.07 14 4.3b,4.0s 62 12-143
IDC II 06 13 49 32.8–.55 5.59N 61.54E 0 4.2,4.2b **¶610414974**
NEIC II 06 13 49 34.6–1.6 5.5N–.10 61.34E–.10 10–1 4.6b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 10 12 45 18.9–.66 10.0N–.10 58.1E–.10 10 4.3b 31 18-142
NEIC II 10 12 45 19.8–1.8 10.0N–.10 58.0E–.10 10–1 4.4b **¶610415235**
IDC II 10 12 45 19.4–48 10.00N 58.09E 0 3.8,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.2km s-min=17.2km az=294.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

IDC Error ellipse: s-maj=893.4km s-min=139.5km az=27.0.
IDC II 11 12 08 42.3–7.0 4.35N 64.51E 0 3.9,3.9b
¶610415315
IDC Error ellipse: s-maj=870.4km s-min=80.1km az=35.0.
ISC II 11 13 26 17.6–2.3 3.5N–.30 63.2E–.40 10 3.9b,3.3s 7 20-145
IDC II 11 13 26 19.3–2.0 3.60N 63.82E 0 3.9,3.9b ¶610415319
ISC Event type ke.
IDC Error ellipse: s-maj=56.6km s-min=28.4km az=70.0.
ISC II 12 03 40 53.0–2.3 3.5N–.30 63.2E–.40 35 3.9b,3.1s 6 20-145
IDC II 12 03 40 50.9–2.2 3.58N 63.90E 0 3.8,3.8b ¶610415352
ISC Event type ke.
IDC Error ellipse: s-maj=63.0km s-min=33.3km az=70.0.
IDC II 12 03 53 31.5–2.6 3.52N 64.00E 0 3.9s,3.7
¶610415353
IDC Error ellipse: s-maj=95.6km s-min=43.8km az=61.0.
IDC II 15 07 46 33.7–2.2 2.28S 67.69E 0 4.0,4.0b
¶610415551
IDC Error ellipse: s-maj=68.3km s-min=50.3km az=48.0.
IDC II 18 19 48 20.1–288 6.04N 59.35E 0
¶610415776
IDC Error ellipse: s-maj=180.3km s-min=114.4km az=126.0.
IDC III 08 05 40 46.5–10 3.00N 65.42E 0 3.6,3.6b
¶610545783
IDC Error ellipse: s-maj=336.3km s-min=31.9km az=72.0.
ISC III 08 10 05 16.8–1.4 3.3S–.20 67.8E–.20 10 3.9b 11 6-153
IDC III 08 10 05 15.3–1.4 3.25S 67.83E 0 3.8,3.8b ¶610545791
ISC Event type ke.
IDC Error ellipse: s-maj=40.1km s-min=25.7km az=49.0.
ISC III 08 10 08 40.5–1.3 3.8S–.30 67.8E–.20 10 3.9b,3.6s 6 6-78
IDC III 08 10 08 38.9–1.2 3.76S 67.78E 0 3.8,3.8b ¶610545795
ISC Event type ke.
IDC Error ellipse: s-maj=46.8km s-min=26.9km az=19.0.
IDC III 13 00 07 25.8–4.5 1.40S 67.60E 0 3.6s,3.5
¶610546105
IDC Error ellipse: s-maj=237.8km s-min=80.1km az=129.0.
ISC III 13 00 53 48.6–4.0 0.7S–.60 67.6E–.30 19 3.7b 7 15-150
IDC III 13 00 53 45.5–3.4 0.73S 67.52E 0 3.5,3.5b ¶610546106
ISC Event type ke.
IDC Error ellipse: s-maj=82.2km s-min=51.5km az=169.0.
ISC III 15 18 29 37.0–.90 8.1N–.10 58.9E–.10 10 4.1b,3.7s 25 15-80
IDC III 15 18 29 34.5–.90 8.07N 59.05E 0 4.0,3.9b ¶610546266
NEIC III 15 18 29 39.7–1.9 8.35N–.09 58.8E–.10 10–2 4.3b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 24 13 35 06.4–.43 1.12S–.06 67.69E–.05 15 4.7b,4.6s 123 6-151
IDC III 24 13 35 03.6–.64 1.06S 67.76E 0 5.1L,4.5s ¶610434685
BJI III 24 13 35 04.6–.00 1.12S 67.92E 4 5.0b,4.9s
NEIC III 24 13 35 07.2–2.8 1.05S–.06 67.60E–.08 10–1 5.3,4.8b
NEIC III 24 13 35 07.2 1.05S 67.60E 10 5.3,4.8b
GCMT III 24 13 35 08.2–.10 1.12S–.01 67.60E–.01 12 5.4W,4.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.45 $M_{\theta\theta}$-1.27 $M_{\phi\phi}$0.82 $M_{r\theta}$0.16 $M_{\theta\phi}$-0.28 $M_{\phi r}$-0.40 NP1:ϕ_s122.64000°,δ70.75000°,λ153.63000°. NP2:ϕ_s221.92000°,δ65.21000°,λ21.30000°. Principal axes: T 1.1157,Plg32.0000°,Azm81.0000°; N 0.1950,Plg58.0000°,Azm269.0000°; P -1.3107,Plg4.0000°,Azm173.0000° $M_0$1.22000$\times10^{17}$
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s117,c186; s154,c307;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.13±.02 $M_{\theta\theta}$-1.22±.01; $M_{\phi\phi}$1.35±.01; $M_{r\theta}$-0.22±.04; $M_{\theta\phi}$-0.39±.01; $M_{\phi r}$-0.15±.04; Best double couple: NP1:ϕ_s36.00000°,δ85.00000°,λ-11.00000°. NP2:ϕ_s127.00000°,δ79.00000°,λ-175.00000°. Principal axes: T 1.4170,Plg4.0000°,Azm82.0000°; N -0.0930,Plg78.0000°,Azm192.0000°; P -1.3260,Plg11.0000°,Azm351.0000° $M_0$1.37100$\times10^{17}$
IDC III 28 16 07 26.1–1.8 8.35N 58.42E 0 3.8,3.8b
¶610543858
IDC Error ellipse: s-maj=69.1km s-min=38.1km az=35.0.
ISC III 28 17 56 35.7–.91 8.4N–.10 58.3E–.10 20 4.2b,3.6s 27 15-89
IDC III 28 17 56 32.2–1.3 8.36N 58.32E 0 3.8,3.8b ¶610543864
NEIC III 28 17 56 35.8–1.8 8.4N–.20 58.2E–.10 10–2 4.2b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 05 10 08 10.2–.54 1.45S–.09 67.66E–.07 17 4.6b,4.5s 83 6-151
BJI IV 05 10 08 05.7–.00 1.76S 67.62E 10 5.1b,4.9s ¶610484884
IDC IV 05 10 08 08.6–.78 1.21S 67.65E 0 5.0L,4.5s
NEIC IV 05 10 08 09.3–1.4 1.40S–.05 67.76E–.10 10–1 4.7b,4.5s
GCMT IV 05 10 08 12.3–.10 1.18S–.01 67.55E–.01 13–1 5.3W,4.5s
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s86,c119; s144,c262;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.03±.02 $M_{\theta\theta}$-1.06±.02; $M_{\phi\phi}$1.09±.02; $M_{r\theta}$-0.11±.04; $M_{\theta\phi}$-0.27±.02; $M_{\phi r}$-0.06±.04; Best double couple: NP1:ϕ_s38.00000°,δ87.00000°,λ-6.00000°. NP2:ϕ_s128.00000°,δ84.00000°,λ-177.00000°. Principal axes: T 1.1250,Plg2.0000°,Azm83.0000°; N -0.0160,Plg83.0000°,Azm191.0000°; P -1.1060,Plg6.0000°,Azm353.0000° $M_0$1.11600$\times10^{17}$
ISC IV 08 21 22 58.4–1.2 8.4N–.30 58.3E–.20 20 3.7b,3.0s 7 15-80
IDC IV 08 21 22 55.2–1.1 8.34N 58.36E 0 3.7,3.7b ¶610652258
ISC Event type ke.
IDC Error ellipse: s-maj=39.0km s-min=24.6km az=20.0.
ISC IV 10 05 57 59.6–.56 2.54S–.08 67.97E–.09 11 4.1b,3.8s 34 6-152
NEIC IV 10 05 57 59.5–1.6 2.58S–.07 67.9E–.10 10–1 4.4b,3.8s ¶610652339
IDC IV 10 05 57 59.3–1.1 2.45S 67.90E 0 4.3L,4.0
GCMT IV 10 05 58 03.5–.30 2.41S–.02 68.15E–.02 15–1 4.8W,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s17,c17; s91,c125;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.60±.11 $M_{\theta\theta}$-1.40±.08; $M_{\phi\phi}$2.00±.10; $M_{r\theta}$-0.29±.30; $M_{\theta\phi}$-1.23±.09; $M_{\phi r}$-0.88±.30; Best double couple: NP1:ϕ_s25.00000°,δ84.00000°,λ-26.00000°. NP2:ϕ_s118.00000°,δ64.00000°,λ-173.00000°. Principal axes: T 2.5760,Plg13.0000°,Azm74.0000°; N -0.5550,Plg63.0000°,Azm192.0000°; P -2.0250,Plg23.0000°,Azm338.0000° $M_0$2.30100$\times10^{16}$
ISC IV 19 10 59 19.7–1.2 10.0N–.30 57.1E–.20 13 3.9b,3.2s 9 13-82
IDC IV 19 10 59 17.6–1.0 9.95N 57.04E 0 4.0,4.0b ¶610653043
ISC Event type ke.
IDC Error ellipse: s-maj=36.2km s-min=20.0km az=24.0.
ISC IV 26 22 46 59.2–.74 10.0N–.10 57.5E–.10 17 4.3s,4.1b 38 13-126
IDC IV 26 22 46 56.3–.86 9.86N 57.58E 0 4.1s,3.9 ¶610650092
NEIC IV 26 22 46 59.1–1.4 9.98N–.07 57.5E–.20 10–1 4.2b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 26 22 57 52.3–.53 10.01N–.08 57.44E–.07 17 4.5b,3.4s 151 13-137
IDC IV 26 22 57 48.5–.79 9.76N 57.58E 0 4.2,4.2b ¶611833651
NEIC IV 26 22 57 51.9–.81 10.0N–.10 57.5E–.10 10–1 4.5b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 27 08 45 47.5–.57 10.15N–.09 57.49E–.08 17 4.2b,3.3s 36 13-137
IDC IV 27 08 45 43.8–.76 9.90N 57.58E 0 4.1,4.1b ¶610650116
NEIC IV 27 08 45 48.3–1.9 10.3N–.10 57.5E–.10 10–2 4.2b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 30 14 46 42.0–.51 1.81S–.09 69.18E–.08 10 4.1b,3.9s 34 4-152
IDC IV 30 14 46 40.4–.72 1.79S 69.06E 0 4.6L,4.0 ¶610650421
NEIC IV 30 14 46 42.6–2.1 1.85S–.10 69.3E–.10 12–4 4.7b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 14 17 28 03.7–1.9 10.0N–.30 57.5E–.20 17 3.7b,3.1s 10 28-67
IDC V 14 17 28 01.1–2.0 9.98N 57.47E 0 3.6,3.6b ¶610690289
ISC Event type ke.
IDC Error ellipse: s-maj=48.8km s-min=23.9km az=167.0.
IDC V 19 20 16 31.6–2.7 2.82N 64.01E 0 3.7,3.7b
¶610690698
IDC Error ellipse: s-maj=110.1km s-min=39.2km az=58.0.
ISC V 19 20 37 16.4–2.9 3.6N–.40 64.5E–.70 10 3.8b,3.3s 6 17-145
IDC V 19 20 37 15.7–2.5 3.63N 64.64E 0 3.7,3.7b ¶610690699
ISC Event type ke.
IDC Error ellipse: s-maj=90.6km s-min=27.5km az=67.0.
ISC VI 01 21 48 19.7–.94 1.6N–.20 66.8E–.10 18 4.5b,3.4s 21 6-148
NEIC VI 01 21 48 17.8–1.0 1.57N–.09 66.7E–.10 10–1 4.7b,3.4s ¶610791069
IDC VI 01 21 48 20.0–1.7 1.86N 66.78E 0 3.9,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=22.0km s-min=15.0km az=279.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=54.4km s-min=31.3km az=38.0.
IDC VI 13 23 29 23.2–11 4.88N 61.41E 0 3.6,3.6b
¶610791806
IDC Error ellipse: s-maj=368.5km s-min=42.7km az=74.0.
ISC VI 13 23 41 13.7–.96 5.1N–.20 62.1E–.10 16 4.2b 34 18-75
IDC VI 13 23 41 11.0–1.2 5.03N 62.01E 0 4.1,4.1b ¶610791807
NEIC VI 13 23 41 13.4–2.2 5.1N–.10 62.2E–.10 10–1 4.3b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VI 13 23 42 09.4–11 5.00N 61.75E 0 3.8,3.8b
NEIC VI 13 23 42 14.0–1.5 7.00N–.05 64.0E–.20 10–2 4.0b,3.8b ¶611151031
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 17 16 41 25.4–.60 3.58N–.10 63.84E–.07 23 4.3b,3.9s 53 10-145
IDC VI 17 16 41 22.5–1.2 3.56N 63.86E 0 3.9,3.9b ¶610792069
NEIC VI 17 16 41 24.5–2.1 3.7N–.10 63.83E–.09 10–1 4.3b,3.9b
GCMT VI 17 16 41 26.5–.30 3.67N–.03 63.88E–.03 12 4.8W,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s17,c18; s93,c125;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.67±.06 $M_{\theta\theta}$1.09±.06; $M_{\phi\phi}$0.58±.07; $M_{r\theta}$0.83±.25; $M_{\theta\phi}$-0.70±.05; $M_{\phi r}$-0.10±.28; Best double couple: NP1:ϕ_s293.00000°,δ58.00000°,λ-102.00000°. NP2:ϕ_s135.00000°,δ34.00000°,λ-72.00000°. Principal axes: T 1.7440,Plg13.0000°,Azm32.0000°; N 0.1630,Plg10.0000°,Azm300.0000°; P -1.9050,Plg74.0000°,Azm172.0000° $M_0$1.82400$\times10^{16}$
ISC VI 17 20 57 31.0–.59 3.8N–.10 63.98E–.07 10 4.5b,4.0s 92 10-145
IDC VI 17 20 57 28.7–.67 3.70N 64.04E 0 4.1,4.1b ¶616640012
GCMT VI 17 20 57 31.2–.20 3.68N–.01 63.86E–.02 12 4.9W,4.1b
NEIC VI 17 20 57 32.2–1.7 3.8N–.10 64.03E–.10 10–1 4.5b,4.1b
ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s24,c30; s97,c152;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.56±.08 $M_{\theta\theta}$2.63±.07; $M_{\phi\phi}$-0.06±.08; $M_{r\theta}$0.88±.26; $M_{\theta\phi}$-0.77±.06; $M_{\phi r}$0.65±.31; Best double couple: NP1:ϕ_s268.00000°,δ55.00000°,λ-111.00000°. NP2:ϕ_s122.00000°,δ41.00000°,λ-63.00000°. Principal axes: T 2.9220,Plg7.0000°,Azm13.0000°; N -0.0030,Plg17.0000°,Azm280.0000°; P -2.9180,Plg71.0000°,Azm125.0000° $M_0$2.92000$\times10^{16}$
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 19 20 52 28.1–.51 10.92N–.07 57.35E–.05 19 4.6b,4.2s 233 7-136
IDC VI 19 20 52 23.8–.68 10.84N 57.42E 0 4.1s,4.1 ¶610681850
BJI VI 19 20 52 26.3–.00 10.68N 57.26E 27 5.0b,4.6b
GCMT VI 19 20 52 27.3–.20 11.05N–.01 57.25E–.01 15–1 5.1W,4.6b
NEIC VI 19 20 52 28.3–2.2 11.1N–.10 57.40E–.10 10–1 4.7b,4.6b
OMAN VI 19 20 52 35.0–.06 11.28N 57.57E 33 5.2,4.8b
DSN VI 19 20 52 36.9–3.8 11.44N 56.69E 30 4.7b,4.8b
ISC Event type se.
IDC Error ellipse: s-maj=16.8km s-min=13.6km az=5.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s52,c67; s117,c208;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.17±.10 $M_{\theta\theta}$-3.51±.10; $M_{\phi\phi}$3.68±.11; $M_{r\theta}$0.08±.28; $M_{\theta\phi}$-2.41±.09; $M_{\phi r}$-2.73±.40; Best double couple: NP1:ϕ_s209.00000°,δ81.00000°,λ26.00000°. NP2:ϕ_s115.00000°,δ64.00000°,λ170.00000°. Principal axes: T 5.6220,Plg25.0000°,Azm75.0000°; N -1.2270,Plg62.0000°,Azm226.0000°; P -4.3950,Plg12.0000°,Azm339.0000° $M_0$5.00800$\times10^{16}$
NEIC Event type se. Error ellipse: s-maj=18.4km s-min=16.3km az=175.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
OMAN Error ellipse: s-maj=1.5km s-min=1.2km az=265.0.
DSN Error ellipse: s-maj=47.0km s-min=18.8km az=145.0.

(425) South Indian Ocean.

ISC I 02 00 18 48.7–.41 37.16S–.08 52.33E–.09 10 4.8b 48 9-150
IDC I 02 00 18 48.3–1.4 37.19S 52.33E 0 4.3L,3.9 ¶610236429
NEIC I 02 00 18 49.2–1.4 37.16S–.06 52.3E–.10 10–1 5.0b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 04 08 49 59.6–1.0 23.9S–.30 82.5E–.20 10 4.2b 9 19-157
IDC I 04 08 49 58.1–1.0 23.86S 82.45E 0 4.1,4.1b ¶610236685
ISC Event type ke.
IDC Error ellipse: s-maj=39.1km s-min=22.5km az=19.0.
ISC I 21 21 49 02.4–4.8 31S–1.0 72.7E–.80 10 4.0b 6 23-148
IDC I 21 21 49 01.4–4.3 30.73S 72.77E 0 3.9,3.9b ¶610105046
ISC Event type ke.
IDC Error ellipse: s-maj=170.3km s-min=32.5km az=37.0.
DJA III 09 08 56 02.8–1.1 5S–7.0 94E–8.0 13–10 5.8b,5.3
¶615345832
ISC IV 16 09 44 05.8–.34 7.36S–.03 83.11E–.03 19–1 5.5b,5.3s 1587 11-170
BJI IV 16 09 43 59.4–.00 8.17S 82.99E 30 5.6s,5.5b ¶611832585
IDC IV 16 09 44 02.4–.32 7.40S 83.14E 0 5.5L,5.1
MOS IV 16 09 44 04.7–.92 7.28S 83.23E 23 5.7b,5.2s
NEIC IV 16 09 44 05.8–2.3 7.37S–.08 83.17E–.07 10–1 5.7b,5.6
GCMT IV 16 09 44 06.9–.10 7.37S–.01 83.09E–.01 32–0 5.7W,5.6
NEIC IV 16 09 44 06.1 7.33S 83.18E 36 5.7W,5.6
NEIC IV 16 09 44 06.1 7.33S 82.97E 36 5.7W,5.6
NEIC IV 16 09 44 06.2 7.32S 83.18E 10 5.7W,5.6
ISC Event type se.
IDC Error ellipse: s-maj=13.0km s-min=10.2km az=44.0.
MOS Error ellipse: s-maj=6.8km s-min=3.8km az=108.8.
NEIC Event type se. Error ellipse: s-maj=14.2km s-min=12.0km az=180.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.25 $M_{\theta\theta}$-3.72 $M_{\phi\phi}$2.48 $M_{r\theta}$0.35 $M_{\theta\phi}$-0.84 $M_{\phi r}$0.08 NP1:ϕ_s307.47000°,δ86.27000°,λ-178.00000°. NP2:ϕ_s217.34000°,δ88.01000°,λ-3.73000°. Principal axes: T 2.5901,Plg1.0000°,Azm262.0000°; N 1.2712,Plg86.0000°,Azm9.0000°; P -3.8613,Plg4.0000°,Azm172.0000° $M_0$3.41000$\times10^{17}$
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s131,c227; s153,c310;Duration: 1s7 Moment tensor: Scale 10^{17}Nm; M_{rr}1.69±.07 $M_{\theta\theta}$-4.68±.05; $M_{\phi\phi}$2.99±.06; $M_{r\theta}$1.45±.09; $M_{\theta\phi}$-1.49±.04; $M_{\phi r}$0.05±.09; Best double couple: NP1:ϕ_s304.00000°,δ88.00000°,λ-165.00000°. NP2:ϕ_s213.00000°,δ75.00000°,λ-2.00000°. Principal axes: T 3.3030,Plg9.0000°,Azm78.0000°; N 1.9530,Plg75.0000°,Azm311.0000°; P -5.2560,Plg12.0000°,Azm170.0000° $M_0$4.28000$\times10^{17}$
NEIC Event type se.

NEIC Event type se. Moment Tensor Solution.Duration: 2s1.0 Moment tensor: Scale 10^{17}Nm; Mrr1.02 Mθθ-3.34 Mφφ2.31 Mrθ1.16 Mθφ-1.88 Mφr0.57 NP1:φs208.06000°,δ85.52000° ,λ-14.85000°. NP2:φs299.25000°,δ75.20000°,λ-175.37000°. Principal axes: T 2.9057,Plg7.0000°,Azm255.0000°; N 1.3068,Plg75.0000°,Azm12.0000° ; P -4.2124,Plg14.0000°,Azm163.0000° Mo3.56000×10^{17}
NEIC Event type se.
IDC V 06 09 37 39.3–20 58.46S 104.96E 0 ¶610689656
IDC Error ellipse: s-maj=46.3km s-min=16.2km az=161.0.
IDC VI 16 01 53 35.5–1.7 26.91S 86.59E 0 3.8,3.8b ¶610791975
IDC Error ellipse: s-maj=89.0km s-min=30.9km az=17.0.

(426) Chagos Archipelago region.

ISC I 07 19 28 47.2–1.2 7.5S–.20 68.4E–.10 10 3.9b,3.3s 17 4-95
NEIC I 07 19 28 47.6–1.6 7.50S–.05 68.4E–.10 10–2 4.4b,3.3s ¶610236917
IDC I 07 19 28 49.0–3.1 7.21S 68.71E 0 3.8,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.2km s-min=6.4km az=250.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=77.8km s-min=28.9km az=53.0.
ISC I 13 04 30 41.3–1.1 6.3S–.20 68.8E–.10 10 4.0b,3.7s 13 4-147
IDC I 13 04 30 40.0–1.2 6.38S 68.85E 0 3.9,3.9b ¶610237274
ISC Event type ke.
IDC Error ellipse: s-maj=29.5km s-min=28.4km az=47.0.
ISC I 13 05 30 51.7–.35 6.72S–.06 68.47E–.05 12 4.9b,4.4s 285 4-154
IDC I 13 05 30 50.0–.58 6.55S 68.48E 0 4.4,4.4b ¶610068624
MOS I 13 05 30 49.8–1.1 6.64S 68.49E 12 5.1b,4.3s
BJI I 13 05 30 49.5–.00 6.70S 68.50E 5 5.1b,4.9s
NEIC I 13 05 30 51.9–2.4 6.74S–.09 68.53E–.07 10–1 5.1b,4.9s
GCMT I 13 05 30 52.9–.20 6.71S–.01 68.38E–.01 14–1 5.1W,4.9s
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s37,c43; s121,c182;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr1.08±.14 Mθθ-5.16±.15; Mφφ4.08±.12; Mrθ-1.73±.30; Mθφ-0.21±.10; Mφr0.18±.23; Best double couple: NP1:φs134.00000°,δ83.00000°,λ-166.00000°. NP2:φs43.00000°,δ76.00000°,λ-7.00000°. Principal axes: T 4.1020,Plg5.0000° ,Azm268.0000°; N 1.5080,Plg75.0000°,Azm161.0000°; P -5.6100,Plg14.0000° ,Azm359.0000° Mo4.85600×10^{16}
ISC I 13 08 23 54.9–3.4 6.7S–.40 68.6E–.40 10 3.7b 7 4-72
IDC I 13 08 23 48.6–15 7.06S 67.65E 0 3.7s,3.5 ¶610237288
ISC Event type ke.
IDC Error ellipse: s-maj=491.2km s-min=37.0km az=67.0.
ISC I 29 08 52 59.1–1.3 6.70S–.08 72.5E–.30 18 4.0b 12 1-147
IDC I 29 08 52 56.5–1.4 6.71S 72.63E 0 3.8,3.8b ¶610235628
ISC Event type ke.
IDC Error ellipse: s-maj=44.1km s-min=17.1km az=101.0.
ISC II 21 18 21 55.1–2.8 5.1S–.30 69.4E–.50 10 3.9b,3.6s 7 4-146
IDC II 21 18 21 54.0–2.9 5.12S 69.44E 0 3.7,3.7b ¶610384764
ISC Event type ke.
IDC Error ellipse: s-maj=81.9km s-min=32.2km az=65.0.
IDC II 21 19 41 47.4–34 3.42S 68.83E 0 3.5,3.5b ¶610384767
IDC Error ellipse: s-maj=699.0km s-min=75.9km az=21.0.
ISC III 08 10 07 42.3–.62 3.39S–.09 68.18E–.09 15 4.3b,4.0s 54 6-153
IDC III 08 10 07 41.0–.84 3.24S 68.00E 0 4.2s,4.0 ¶610545792
NEIC III 08 10 07 41.5–1.3 3.46S–.10 68.04E–.09 10–1 4.5b,4.0
GCMT III 08 10 07 44.5–.20 3.23S–.02 67.94E–.02 12 4.9W,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s45,c52; s113,c150;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr-2.92±.07 Mθθ2.00±.08; Mφφ0.93±.08; Mrθ0.68±.30; Mθφ-1.20±.06; Mφr0.34±.29; Best double couple: NP1:φs291.00000°,δ50.00000°,λ-105.00000°. NP2:φs134.00000°,δ42.00000°,λ-73.00000°. Principal axes: T 2.8050,Plg4.0000° ,Azm32.0000°; N 0.2840,Plg11.0000°,Azm301.0000°; P -3.0790,Plg78.0000°,Azm141.0000° Mo2.94200×10^{16}
ISC III 11 18 36 24.2–1.1 5.1S–.20 73.2E–.60 10 3.6b 7 3-60
IDC III 11 18 36 22.8–1.6 5.03S 73.12E 0 3.6,3.5b ¶610546032
ISC Event type ke.
IDC Error ellipse: s-maj=152.2km s-min=27.4km az=106.0.
ISC IV 14 02 36 37.7–.53 5.63S–.10 68.64E–.08 13 4.4b,3.9s 83 4-155
IDC IV 14 02 36 35.7–.82 5.51S 68.61E 0 4.0,4.0b ¶610528014
NEIC IV 14 02 36 38.3–1.4 5.52S–.07 68.74E–.09 10–1 4.5b,4.0b
GCMT IV 14 02 36 39.3–.20 5.54S–.01 68.54E–.01 12 4.9W,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s33,c37; s119,c170;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr-0.14±.09 Mθθ-2.80±.07; Mφφ2.94±.07; Mrθ-0.49±.23; Mθφ-0.67±.08; Mφr-0.83±.22; Best double couple: NP1:φs218.00000°,δ89.00000°,λ18.00000°. NP2:φs128.00000°,δ72.00000°,λ179.00000°. Principal axes: T 3.1980,Plg13.0000° ,Azm85.0000°; N -0.2020,Plg72.0000°,Azm221.0000°; P -3.0010,Plg12.0000° ,Azm352.0000° Mo3.09900×10^{16}
ISC IV 15 18 57 13.5–.70 8.2S–.10 68.34E–.08 10 4.1b,3.5s 37 4-149
IDC IV 15 18 57 12.4–.70 8.11S 68.08E 0 3.8,3.8b ¶610652813
NEIC IV 15 18 57 13.3–2.1 8.4S–.20 68.3E–.10 15–6 4.4b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IV 19 19 52 49.7–9.0 6.56S 68.14E 0 3.7,3.7b ¶610653069
IDC Error ellipse: s-maj=283.1km s-min=29.1km az=65.0.
IDC V 05 14 07 49.4–9.6 4.56S 68.28E 0 3.7,3.7b ¶610689610
IDC Error ellipse: s-maj=304.1km s-min=31.4km az=66.0.
ISC V 06 07 26 07.9–3.7 4.4S–.30 68.4E–.60 10 4.1b 6 5-66
IDC V 06 07 26 06.0–3.8 4.46S 68.38E 0 3.9,3.9b ¶610689652
ISC Event type ke.
IDC Error ellipse: s-maj=104.9km s-min=30.7km az=68.0.
ISC V 06 19 17 10.3–2.4 4.5S–.30 68.8E–.40 10 4.0b 14 5-146
IDC V 06 19 17 08.7–2.6 4.42S 68.63E 0 3.7,3.7b ¶610689680
ISC Event type ke.
IDC Error ellipse: s-maj=80.6km s-min=25.6km az=63.0.
IDC V 09 09 35 03.5–18 7.43S 69.54E 0 3.7,3.7b ¶610689888
IDC Error ellipse: s-maj=595.4km s-min=41.3km az=63.0.

(427) Mauritius-Reunion region.

IDC I 21 08 11 22.4–5.6 17.66S 66.55E 0 4.1,4.1b ¶610234982
IDC Error ellipse: s-maj=152.8km s-min=38.0km az=66.0.
ISC I 23 01 57 40.4–3.5 23.0S–.60 66.7E–.60 10 3.8b 6 61-79
IDC I 23 01 57 38.8–3.5 22.99S 66.67E 0 3.7,3.7b ¶610235152
ISC Event type ke.
IDC Error ellipse: s-maj=122.5km s-min=29.8km az=45.0.
ISC I 28 18 38 32.6–.72 19.1S–.10 65.1E–.10 10 4.2b 15 2-76
IDC I 28 18 38 30.8–1.7 19.15S 64.97E 0 3.9,3.9b ¶610235585
NEIC I 28 18 38 34.1–1.5 19.2S–.10 65.0E–.10 15–1 4.5b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 28 18 40 33.5–4.4 19.0S–.50 65.2E–.80 10 3.6b 6 13-76
IDC I 28 18 40 31.3–4.5 19.08S 65.07E 0 3.7,3.7b ¶610235586
ISC Event type ke.
IDC Error ellipse: s-maj=131.9km s-min=32.5km az=61.0.
ISC I 28 18 53 50.9–.54 18.94S–.09 65.44E–.09 10 4.3b,3.9s 58 2-160
IDC I 28 18 53 50.5–1.3 18.77S 65.56E 0 4.5L,4.1 ¶610147550
NEIC I 28 18 53 52.0–2.1 19.0S–.10 65.35E–.10 15–4 4.5b,4.1
GCMT I 28 18 53 56.0–.30 18.75S–.05 65.33E–.04 17–1 4.8W,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s15,c15; s73,c92;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr-2.35±.19 Mθθ0.91±.12; Mφφ1.44±.12; Mrθ0.25±.47; Mθφ-0.38±.08; Mφr1.27±.36; Best double couple: NP1:φs171.00000°,δ61.00000°,λ-79.00000°. NP2:φs329.00000°,δ31.00000°,λ-109.00000°. Principal axes: T 1.9110,Plg15.0000° ,Azm253.0000°; N 0.8580,Plg10.0000°,Azm346.0000°; P -2.7700,Plg72.0000° ,Azm108.0000° Mo2.34000×10^{16}
ISC I 29 06 39 33.5–4.4 19.1S–.50 65.2E–.80 10 3.9b,3.3s 6 13-81
IDC I 29 06 39 31.9–4.8 19.10S 65.18E 0 3.9,3.9b ¶610235618
ISC Event type ke.
IDC Error ellipse: s-maj=142.0km s-min=31.8km az=60.0.
ISC II 24 09 33 05.5–.69 17.5S–.10 66.5E–.10 14 4.1b 20 4-74
IDC II 24 09 33 02.7–2.5 17.29S 66.39E 0 3.8,3.8b ¶610384925
NEIC II 24 09 33 03.4–1.2 17.5S–.10 66.48E–.07 10–1 4.4b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 06 10 39 40.1–.91 18.0S–.20 65.1E–.20 10 4.1b,3.7s 9 13-84
IDC III 06 10 39 38.2–1.1 18.04S 65.12E 0 4.2L,3.9 ¶610545652
ISC Event type ke.
IDC Error ellipse: s-maj=32.3km s-min=25.3km az=62.0.
ISC IV 30 12 57 12.5–3.5 20.1S–.50 66.8E–.60 10 3.9b 7 14-76
IDC IV 30 12 57 10.6–3.8 20.07S 66.74E 0 3.8,3.8b ¶610650412
ISC Event type ke.
IDC Error ellipse: s-maj=114.2km s-min=29.8km az=54.0.
ISC IV 30 13 24 07.8–1.8 20.4S–.30 66.9E–.30 10 4.0b,4.0s 10 14-147
IDC IV 30 13 24 08.9–1.9 19.67S 67.50E 0 3.9s,3.9 ¶610650415
ISC Event type ke.
IDC Error ellipse: s-maj=72.7km s-min=24.2km az=43.0.
ISC IV 30 23 22 35.3–2.8 20.3S–.40 66.5E–.50 10 4.0b,3.5s 6 14-138
IDC IV 30 23 22 34.8–3.6 20.18S 66.70E 0 3.9,3.9b ¶610650457
ISC Event type ke.
IDC Error ellipse: s-maj=106.7km s-min=36.2km az=59.0.
IDC V 06 17 50 13.6–2.4 19.50S 65.86E 0 3.8s,3.5
GCMT V 06 17 50 20.0–.40 18.65S–.05 65.56E–.04 22–1 4.9W,3.5 ¶610689678
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. Moment Tensor Solution. s16,c18; s75,c100;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr-2.57±.20 Mθθ1.13±.13; Mφφ1.43±.14; Mrθ-0.29±.23; Mθφ-0.69±.09; Mφr-1.31±.24; Best double couple: NP1:φs341.00000° ,δ58.00000°,λ-73.00000°. NP2:φs131.00000°,δ36.00000°,λ-115.00000°. Principal axes: T 2.1630,Plg12.0000°,Azm59.0000°; N 0.8430,Plg14.0000°,Azm152.0000° ; P -3.0150,Plg71.0000°,Azm291.0000° Mo2.58900×10^{16}
ISC VI 19 17 58 31.5–.66 17.6S–.10 65.8E–.10 17 4.1b,3.5s 17 12-94
IDC VI 19 17 58 28.7–.66 17.62S 65.81E 0 4.1L,4.0 ¶610792204
ISC Event type ke.
IDC Error ellipse: s-maj=20.4km s-min=19.5km az=80.0.
IDC VI 21 10 23 15.3–2.1 19.75S 66.11E 0 3.7,3.7b ¶610789206
IDC Error ellipse: s-maj=58.1km s-min=38.3km az=89.0.

(428) Southwest Indian Ridge.

ISC I 02 00 13 06.0–.28 35.91S–.05 51.93E–.05 10 5.2s,5.0b 385 15-172
IDC I 02 00 12 57.8–.45 36.54S 52.40E 0 5.0s,4.6L ¶611831458
MOS I 02 00 13 04.6–1.3 35.98S 52.20E 10 5.2b,5.0s
GCMT I 02 00 13 04.3–.10 36.63S–.01 52.42E–.01 15–0 5.8W,5.0s
NEIC I 02 00 13 06.3–2.8 36.04S–.09 51.9E–.10 10–1 5.7,5.4
ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s139,c280; s144,c328;Duration: 1s9 Moment tensor: Scale 10^{17}Nm; Mrr-0.37±.05 Mθθ1.02±.05; Mφφ-0.65±.05; Mrθ1.07±.14; Mθφ5.55±.05; Mφr0.52±.14; Best double couple: NP1:φs95.00000°,δ85.00000°,λ10.00000°. NP2:φs4.00000°,δ80.00000°,λ175.00000°. Principal axes: T 6.0040,Plg10.0000° ,Azm320.0000°; N -0.5570,Plg79.0000°,Azm120.0000°; P -5.4470,Plg4.0000° ,Azm229.0000° Mo5.72600×10^{17}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; Mrr0.13 Mθθ1.03 Mφφ-1.16 Mrθ-0.52 Mθφ4.94 Mφr1.25 NP1:φs186.87000°,δ83.97000°,λ-167.37000°. NP2:φs95.53000°,δ77.44000° ,λ-6.18000°. Principal axes: T 5.0274,Plg5.0000°,Azm321.0000°; N 0.4017,Plg76.0000° ,Azm212.0000°; P -5.4292,Plg13.0000°,Azm52.0000° Mo5.24000×10^{17}
ISC I 04 23 45 47.9–.68 30.2S–.10 60.5E–.10 10 4.2b,3.2s 18 15-147
IDC I 04 23 45 46.8–.84 30.24S 60.84E 0 4.0,4.0b ¶610236741
NEIC I 04 23 45 47.3–.48 30.0S–.20 60.6E–.20 10–1 4.5b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 07 08 49 38.3–2.5 29.3S–.60 61.0E–.40 10 3.8b 6 17-147
IDC I 07 08 49 37.2–2.8 29.21S 61.14E 0 4.0L,3.7 ¶610236889
ISC Event type ke.
IDC Error ellipse: s-maj=115.7km s-min=31.3km az=39.0.
ISC I 11 11 02 59.9–2.2 29.6S–.50 60.9E–.30 14 4.0b 7 17-147
IDC I 11 11 02 58.0–2.3 29.50S 60.95E 0 4.2L,3.9s ¶610237144
ISC Event type ke.
IDC Error ellipse: s-maj=80.6km s-min=29.8km az=41.0.
ISC I 15 17 36 15.4–2.0 28.6S–.40 62.3E–.20 10 4.1b,3.1s 9 17-86
IDC I 15 17 36 14.2–2.1 28.56S 62.39E 0 4.0,4.0b ¶610237449
ISC Event type ke.
IDC Error ellipse: s-maj=67.2km s-min=25.9km az=40.0.
IDC I 16 19 30 18.2–34 32.23S 57.55E 0 3.5,3.5b ¶610237534
IDC Error ellipse: s-maj=1197.0km s-min=54.8km az=54.0.
IDC I 21 08 58 32.3–15 27.86S 64.42E 0 3.5,3.5b ¶610234987
IDC Error ellipse: s-maj=825.8km s-min=57.2km az=35.0.
IDC I 29 03 32 12.8–2.4 29.69S 60.93E 0 4.2L,3.6 ¶610235612
IDC Error ellipse: s-maj=201.2km s-min=28.6km az=25.0.
ISC I 29 16 42 28.4–.40 29.19S–.04 61.14E–.04 24–2 5.7b,4.9s 1760 10-176
BJI I 29 16 42 23.5–.00 29.20S 61.10E 10 5.7b,5.2b ¶611831680
IDC I 29 16 42 24.5–.34 29.19S 61.25E 0 5.3b,5.2
NEIC I 29 16 42 27 29.23S 61.02E 12 5.3b,5.2
MOS I 29 16 42 27.6–3.0 29.10S 61.20E 10 5.9b,4.8s
GCMT I 29 16 42 27.7–.10 29.13S–.01 61.03E–.01 12 5.4W,4.8s
NEIC I 29 16 42 27.7–2.1 29.20S–.08 61.28E–.09 10–1 5.8b,5.4
BGR I 29 16 42 48.3 28.17S 59.81E 32 5.8b,4.8s
ISC Event type se. Moment Tensor Solution. NP1:φs275.11014°,δ28.03005°,λ-49.60725°. NP2: φs51.16280°,δ69.02800°,λ-109.03424°. Principal axes: T Plg21.7824°,Azm155.5423° ; N Plg17.7298°,Azm58.2019°; P Plg61.3119°,Azm292.4514°
IDC Error ellipse: s-maj=12.7km s-min=10.7km az=80.0.
NEIC Event type se. Moment Tensor Solution.Duration: 2s0 Moment tensor: Scale 10^{17}Nm; Mrr-1.55 Mθθ1.03 Mφφ0.52 Mrθ-0.01 Mθφ0.47 Mφr-0.02 NP1:φs240.00000°,δ45.00000° ,λ-89.00000°. NP2:φs59.00000°,δ45.00000°,λ-90.00000°. Principal axes: T 1.3138,Plg0.0000°,Azm149.0000°; N 0.2364,Plg0.0000°,Azm59.0000° ; P -1.5502,Plg90.0000°,Azm-83.0000° Mo1.45000×10^{17}
MOS Error ellipse: s-maj=9.0km s-min=4.2km az=100.3.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s99,c143; s142,c263;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; Mrr-1.63±.02 Mθθ1.10±.02; Mφφ0.52±.02; Mrθ0.02±.06; Mθφ0.76±.02; Mφr-0.14±.06; Best double couple: NP1:φs51.00000°,δ46.00000°,λ-96.00000°. NP2:φs240.00000°,δ44.00000°,λ-84.00000°. Principal axes: T 1.6240,Plg1.0000° ,Azm145.0000°; N 0.0100,Plg4.0000°,Azm55.0000°; P -1.6410,Plg85.0000°,Azm249.0000° Mo1.63200×10^{17}

NEIC Event type se. Error ellipse: s-maj=13.9km s-min=12.9km az=100.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BGR Event type ke.
ISC I 31 11 29 47.9–1.0 39.9S–.40 45.9E–.20 10 4.1b 12 20-153
IDC I 31 11 29 46.3–1.2 39.82S 45.93E 0 4.0,3.9b ¶610235815
NEIC I 31 11 29 48.4–.97 40.0S–.30 45.9E–.20 10–2 4.1b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 31 11 43 09.0–.33 40.20S–.07 45.87E–.07 10 4.8b,4.4s 148 8-158
IDC I 31 11 43 07.5–.46 40.12S 45.82E 0 4.5,4.5b ¶610150209
NEIC I 31 11 43 09.6–2.3 40.22S–.09 45.8E–.10 10–1 5.0b,4.5b
GCMT I 31 11 43 10.6–.20 39.98S–.01 45.85E–.02 12 5.1W,4.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s67,c82; s129,c217;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-5.99±.11 $M_{\theta\theta}$5.47±.10; $M_{\phi\phi}$0.52±.11; $M_{r\theta}$-0.15±.30; $M_{\theta\phi}$1.99±.09; $M_{\phi r}$-0.71±.38; Best double couple: NP1:ϕ_s65.00000°,δ47.00000°,λ-98.00000°. NP2:ϕ_s257.00000°,δ44.00000°,λ-81.00000°. Principal axes: T 6.1830,Plg2.0000° ,Azm160.0000°; N -0.1100,Plg6.0000°,Azm70.0000°; P -6.0670,Plg84.0000°,Azm267.0000° $M_0$6.12500×10^{16}
IDC I 31 16 30 33.9–1.1 40.10S 46.04E 0 3.8,3.8b ¶610235830
IDC Error ellipse: s-maj=102.0km s-min=30.3km az=19.0.
ISC II 07 06 59 20.3–1.5 27.9S–.30 62.3E–.20 10 4.1b 13 44-152
IDC II 07 06 59 18.8–1.3 27.86S 62.28E 0 4.1,4.1b ¶610415022
ISC Event type ke.
IDC Error ellipse: s-maj=45.1km s-min=23.0km az=34.0.
IDC II 11 10 45 25.2–8.4 28.87S 62.44E 0 3.7,3.7b ¶610415312
IDC Error ellipse: s-maj=483.0km s-min=51.6km az=34.0.
ISC II 12 01 01 10.4–.87 39.8S–.20 46.3E–.20 10 3.9b,3.6s 11 21-155
IDC II 12 01 01 08.9–.80 39.77S 46.35E 0 3.9,3.9b ¶610415345
ISC Event type ke.
IDC Error ellipse: s-maj=33.9km s-min=18.5km az=31.0.
IDC II 20 13 45 01.3–10 29.93S 60.08E 0 3.7,3.7b ¶610384688
IDC Error ellipse: s-maj=630.3km s-min=51.9km az=33.0.
ISC II 21 11 08 15.4–.32 29.08S–.07 61.13E–.07 10 5.0b,4.0s 484 9-172
IDC II 21 11 08 13.0–.44 29.21S 61.15E 0 4.8L,4.7 ¶611831848
MOS II 21 11 08 13.6–.93 29.13S 61.14E 11 5.2b,4.7
NEIC II 21 11 08 16.1–1.9 29.06S–.10 61.2E–.10 10–1 5.1b,4.7
GCMT II 21 11 08 17.1–.20 28.98S–.03 61.08E–.02 17–0 5.0W,4.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s36,c43; s103,c129;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-3.92±.19 $M_{\theta\theta}$1.32±.12; $M_{\phi\phi}$2.60±.13; $M_{r\theta}$2.54±.41; $M_{\theta\phi}$0.07±.08; $M_{\phi r}$-0.09±.30; Best double couple: NP1:ϕ_s207.00000°,δ51.00000°,λ-61.00000°. NP2:ϕ_s345.00000°,δ47.00000°,λ-121.00000°. Principal axes: T 2.6050,Plg2.0000° ,Azm277.0000°; N 2.3460,Plg22.0000°,Azm7.0000°; P -4.9510,Plg68.0000°,Azm182.0000° $M_0$3.77800×10^{16}
ISC II 28 10 04 25.5–2.8 29.0S–.40 61.3E–.50 11 3.8b 6 41-146
IDC II 28 10 04 23.8–2.9 29.08S 61.33E 0 3.8,3.8b ¶610385191
ISC Event type ke.
IDC Error ellipse: s-maj=91.7km s-min=37.8km az=55.0.
ISC III 03 09 21 34.9–.57 36.60S–.09 52.3E–.10 10 4.4b 27 10-153
IDC III 03 09 21 34.5–1.6 36.50S 52.29E 0 4.0b,3.9 ¶610545443
NEIC III 03 09 21 35.6–2.1 36.62S–.07 52.3E–.10 10–1 4.3b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC III 04 22 50 09.9–4.4 29.05S 61.19E 0 3.6,3.6b ¶610545555
IDC Error ellipse: s-maj=167.5km s-min=39.5km az=48.0.
IDC III 05 10 10 40.8–4.9 27.82S 64.95E 0 3.7,3.7b ¶610545586
IDC Error ellipse: s-maj=184.4km s-min=43.8km az=48.0.
ISC III 09 23 57 28.2–.56 29.1S–.10 61.16E–.08 10 4.5b,3.6s 65 9-167
IDC III 09 23 57 27.0–1.1 29.18S 61.25E 0 4.7L,4.2 ¶610545907
NEIC III 09 23 57 28.6–1.1 29.1S–.10 61.1E–.10 10–1 4.6b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC III 10 05 06 57.2–13 29.73S 62.60E 0 3.5,3.5b ¶610545922
IDC Error ellipse: s-maj=814.3km s-min=60.6km az=33.0.
ISC III 18 20 08 03.2–.72 29.0S–.10 61.3E–.10 11 4.6b,3.7s 50 15-167
IDC III 18 20 08 01.6–.69 29.10S 61.32E 0 4.2,4.2b ¶610546471
NEIC III 18 20 08 03.2–.87 29.1S–.10 61.2E–.20 10–1 4.7b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC III 19 18 23 26.8–13 35.98S 52.52E 0 3.7s,3.6 ¶610546529
IDC Error ellipse: s-maj=765.8km s-min=67.4km az=38.0.
IDC III 25 13 51 28.4–3.1 28.56S 62.44E 0 3.6,3.6b ¶610543645
IDC Error ellipse: s-maj=99.0km s-min=47.9km az=49.0.
ISC III 29 15 35 48.0–.58 40.9S–.10 44.1E–.10 10 4.1b 30 16-155
IDC III 29 15 35 46.6–.64 40.83S 44.23E 0 3.9,3.9b ¶610543941
NEIC III 29 15 35 48.5–1.1 40.9S–.20 44.0E–.20 10–1 4.4b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 08 16 04 52.4–.48 39.55S–.09 46.2E–.10 10 4.4b,3.7s 44 8-154
IDC IV 08 16 04 51.0–.56 39.50S 46.20E 0 4.1,4.0b ¶610652239
NEIC IV 08 16 04 52.0–1.5 39.6S–.10 46.3E–.20 10–1 4.5b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 13 17 46 26.6–1.4 28.0S–.20 63.4E–.40 17 3.6b 7 43-145
IDC IV 13 17 46 24.1–1.3 27.98S 63.45E 0 3.6,3.6b ¶610652648
ISC Event type ke.
IDC Error ellipse: s-maj=47.2km s-min=29.1km az=89.0.
ISC IV 24 13 36 55.7–.69 29.2S–.10 60.9E–.10 10 4.5b 19 9-147
IDC IV 24 13 36 55.2–1.1 29.27S 60.97E 0 3.8,3.8b ¶610649892
NEIC IV 24 13 36 56.4–.86 29.2S–.10 60.8E–.20 10–1 4.6b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 30 17 10 24.0–.93 34.7S–.20 54.8E–.20 10 4.3b,3.6s 10 17-151
IDC IV 30 17 10 22.4–.94 34.69S 54.78E 0 4.3L,4.1 ¶610650436
ISC Event type ke.
IDC Error ellipse: s-maj=33.2km s-min=24.7km az=52.0.
IDC V 02 13 36 11.0–8.9 33.83S 57.01E 0 3.4,3.4b ¶610689393
IDC Error ellipse: s-maj=637.4km s-min=57.9km az=31.0.
ISC V 19 19 42 41.1–1.6 30.9S–.40 59.3E–.20 10 3.9b 8 16-148
IDC V 19 19 42 39.8–1.5 30.84S 59.35E 0 3.7,3.7b ¶610690696
ISC Event type ke.
IDC Error ellipse: s-maj=55.9km s-min=26.7km az=27.0.
IDC V 22 20 47 17.1–8.7 29.18S 62.53E 0 3.7,3.7b ¶610685180
IDC Error ellipse: s-maj=508.8km s-min=51.4km az=33.0.
IDC V 27 13 39 03.5–4.1 30.21S 60.49E 0 3.7,3.7b ¶610685499
IDC Error ellipse: s-maj=161.8km s-min=37.0km az=46.0.
ISC VI 06 23 13 32.1–.75 29.0S–.20 61.4E–.10 11 4.3b 22 15-146
IDC VI 06 23 13 30.1–1.2 28.95S 61.26E 0 4.0,4.0b ¶610791361
NEIC VI 06 23 13 32.4–1.5 29.1S–.20 61.39E–.10 10–1 4.5b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 09 19 44 29.6–1.1 30.0S–.20 60.9E–.20 10 3.8b 6 17-86
IDC VI 09 19 44 29.6–3.5 29.56S 61.18E 0 4.1L,3.8 ¶610791553
ISC Event type ke.
IDC Error ellipse: s-maj=131.1km s-min=32.5km az=41.0.
ISC VI 18 19 21 53.8–.44 30.27S–.08 60.57E–.08 10 4.5b,3.7s 65 10-153
IDC VI 18 19 21 52.6–.50 30.33S 60.61E 0 4.3,4.3b ¶610792141
NEIC VI 18 19 21 53.5–2.6 30.38S–.09 60.7E–.10 10–1 4.6b,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(429) Mid-Indian Ridge.

ISC I 07 07 24 42.7–.63 10.7S–.10 66.8E–.10 10 4.3b,3.5s 33 6-152
IDC I 07 07 24 41.4–.87 10.72S 66.74E 0 4.0,4.0b ¶610236883
NEIC I 07 07 24 43.1–.78 10.7S–.10 66.82E–.10 10–1 4.6b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 11 16 06 42.1–.65 42.95S–.10 83.1E–.10 10 4.6b,4.2s 39 25-148
IDC I 11 16 06 39.7–1.0 42.87S 82.91E 0 4.3,4.3b ¶610237172
NEIC I 11 16 06 43.0–1.3 42.94S–.06 83.1E–.20 10–1 4.8b,4.3b
GCMT I 11 16 06 45.0–.20 42.80S–.03 83.27E–.03 12 4.9W,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s25,c27; s82,c105;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-2.55±.09 $M_{\theta\theta}$1.45±.09; $M_{\phi\phi}$1.09±.09; $M_{r\theta}$0.38±.32; $M_{\theta\phi}$-1.40±.07; $M_{\phi r}$1.28±.37; Best double couple: NP1:ϕ_s153.00000°,δ55.00000°,λ-63.00000°. NP2:ϕ_s291.00000°,δ43.00000°,λ-123.00000°. Principal axes: T 2.7460,Plg7.0000° ,Azm224.0000°; N 0.3460,Plg22.0000°,Azm317.0000°; P -3.1020,Plg67.0000° ,Azm118.0000° $M_0$2.92400×10^{16}
IDC I 14 12 07 19.1–4.7 26.43S 71.40E 0 4.1s,3.9 ¶610237355
IDC Error ellipse: s-maj=138.9km s-min=34.1km az=51.0.
IDC I 18 23 44 35.9–30 22.91S 68.91E 0 4.0,4.0b ¶610237692
IDC Error ellipse: s-maj=776.6km s-min=115.4km az=177.0.
IDC I 19 07 30 37.5–3.0 13.20S 66.53E 0 3.5,3.5b ¶610237712
IDC Error ellipse: s-maj=115.5km s-min=43.8km az=50.0.
IDC I 20 07 24 18.7–39 23.74S 69.33E 0 3.4,3.4b ¶610234921
IDC Error ellipse: s-maj=1295.0km s-min=43.5km az=52.0.
IDC I 22 15 29 19.2–6.1 31.01S 75.95E 0 4.0s,3.8 ¶610235119
IDC Error ellipse: s-maj=328.5km s-min=181.6km az=94.0.
IDC I 30 15 14 31.9–1.3 24.93S 67.26E 0 3.7,3.7b ¶610235743
IDC Error ellipse: s-maj=60.7km s-min=27.5km az=11.0.
IDC II 03 18 22 50.1–42 28.33S 74.22E 0 3.5,3.5b ¶610414755
IDC Error ellipse: s-maj=996.6km s-min=57.7km az=65.0.
ISC II 05 18 03 24.5–2.0 12.8S–.40 65.1E–.40 10 3.8b 9 9-154
IDC II 05 18 03 26.7–2.5 12.44S 65.93E 0 3.6,3.6b ¶610414900
ISC Event type ke.
IDC Error ellipse: s-maj=89.5km s-min=29.5km az=58.0.
ISC II 06 09 09 02.9–.74 26.0S–.20 70.3E–.10 10 4.1b,3.7s 16 18-85
IDC II 06 09 09 01.3–.69 25.94S 70.33E 0 4.2,4.2b ¶610414954
ISC Event type ke.
IDC Error ellipse: s-maj=22.0km s-min=19.3km az=27.0.
ISC II 09 02 59 34.6–1.3 10.3S–.30 66.4E–.10 14 4.2b,3.2s 14 7-159
IDC II 09 02 59 32.6–1.1 10.27S 66.37E 0 3.9,3.9b ¶610415155
ISC Event type ke.
IDC Error ellipse: s-maj=41.3km s-min=23.7km az=38.0.
ISC II 09 08 31 41.3–.35 16.57S–.06 67.77E–.06 10 4.9b,4.4s 226 5-158
BJI II 09 08 31 37.8–.00 16.30S 67.51E 5 5.2b,4.8s ¶610205766
IDC II 09 08 31 39.2–.50 16.54S 67.77E 0 4.4,4.4b
NEIC II 09 08 31 42.2–1.8 16.53S–.08 67.75E–.09 10–1 5.0b,4.4b
GCMT II 09 08 31 44.2–.20 16.59S–.01 67.75E–.01 24 5.1W,4.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s38,c43; s123,c175;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-0.84±.22 $M_{\theta\theta}$1.46±.17; $M_{\phi\phi}$-0.62±.19; $M_{r\theta}$1.08±.21; $M_{\theta\phi}$-5.16±.11; $M_{\phi r}$3.50±.24; Best double couple: NP1:ϕ_s172.00000°,δ79.00000°,λ-32.00000°. NP2:ϕ_s268.00000°,δ59.00000°,λ-167.00000°. Principal axes: T 6.0130,Plg13.0000° ,Azm224.0000°; N 0.8040,Plg56.0000°,Azm335.0000°; P -6.8200,Plg30.0000° ,Azm126.0000° $M_0$6.41600×10^{16}
ISC II 10 02 45 46.2–.89 12.4S–.20 66.0E–.10 10 4.1b,3.5s 14 8-161
IDC II 10 02 45 44.3–.90 12.47S 66.00E 0 3.9,3.9b ¶610415208
ISC Event type ke.
IDC Error ellipse: s-maj=30.4km s-min=22.1km az=24.0.
ISC II 10 17 26 03.2–4.2 14.9S–.80 66.5E–.60 19 3.9b 6 9-152
IDC II 10 17 26 00.7–4.2 14.78S 66.46E 0 3.9,3.9b ¶610415251
ISC Event type ke.
IDC Error ellipse: s-maj=117.6km s-min=81.5km az=151.0.
GCMT II 12 06 05 57.0–.30 37.23S–.02 78.41E–.04 18–1 5.0W ¶610671167
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. Moment Tensor Solution. s17,c19; s102,c132;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.18±.23 $M_{\theta\theta}$1.39±.14; $M_{\phi\phi}$1.78±.15; $M_{r\theta}$-2.14±.39; $M_{\theta\phi}$-1.70±.09; $M_{\phi r}$-1.03±.34; Best double couple: NP1: ϕ_s111.00000°,δ58.00000°,λ-122.00000°. NP2:ϕ_s341.00000°,δ44.00000°,λ-50.00000°. Principal axes: T 3.3810,Plg7.0000°,Azm223.0000°; N 1.0520,Plg27.0000°,Azm130.0000° ; P -4.4430,Plg62.0000°,Azm327.0000° $M_0$3.91200×10^{16}
ISC II 13 05 29 11.3–.47 16.76S–.10 66.56E–.09 10 4.4b,4.3s 46 4-158
IDC II 13 05 29 09.1–.74 16.86S 66.78E 0 4.2s,4.1 ¶610415425
NEIC II 13 05 29 11.4–2.0 16.7S–.10 66.4E–.10 10–1 4.8b,4.1
GCMT II 13 05 29 13.4–.20 16.79S–.01 66.71E–.01 12 5.0W,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s49,c55; s123,c173;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-4.95±.09 $M_{\theta\theta}$1.83±.09; $M_{\phi\phi}$3.12±.09; $M_{r\theta}$0.75±.32; $M_{\theta\phi}$-1.56±.08; $M_{\phi r}$1.03±.34; Best double couple: NP1:ϕ_s158.00000°,δ49.00000°,λ-75.00000°. NP2:ϕ_s316.00000°,δ43.00000°,λ-106.00000°. Principal axes: T 4.1850,Plg3.0000° ,Azm237.0000°; N 1.0240,Plg11.0000°,Azm328.0000°; P -5.2090,Plg78.0000° ,Azm133.0000° $M_0$4.69700×10^{16}
ISC II 21 19 43 26.6–4.1 8.6S–.50 67.3E–.60 10 3.8b 6 41-79
IDC II 21 19 43 24.1–4.6 8.71S 67.15E 0 3.5,3.5b ¶610384768
ISC Event type ke.
IDC Error ellipse: s-maj=120.7km s-min=48.4km az=57.0.
IDC II 25 05 30 21.2–1.7 21.28S 69.61E 0 3.5,3.5b ¶610384981
IDC Error ellipse: s-maj=68.4km s-min=32.7km az=29.0.
ISC II 26 09 31 42.0–1.5 28.1S–.30 74.3E–.20 10 4.3s,3.9b 11 20-145
IDC II 26 09 31 40.4–1.5 28.02S 74.31E 0 4.2s,4.1 ¶610385047
ISC Event type ke.
IDC Error ellipse: s-maj=50.0km s-min=25.1km az=25.0.
ISC II 26 09 34 47.7–.89 28.2S–.20 74.2E–.20 12 4.0b 12 21-145
IDC II 26 09 34 45.7–.92 28.20S 74.22E 0 4.1,4.1b ¶610385049

ISC Event type ke.
IDC Error ellipse: s-maj=30.6km s-min=21.8km az=47.0.
ISC II 27 13 15 27.8–1.2 7.3S–.30 67.8E–.20 12 3.7b,3.6s 10 19-149
IDC II 27 13 15 26.0–1.1 7.29S 67.79E 0 3.6s,3.6 **¶610385129**
ISC Event type ke.
IDC Error ellipse: s-maj=40.1km s-min=24.1km az=26.0.
ISC II 28 05 25 45.8–.68 33.5S–.10 77.4E–.20 16 4.0b,3.6s 22 4-150
IDC II 28 05 25 43.0–.99 33.43S 77.62E 0 3.9,3.9b **¶610385173**
NEIC II 28 05 25 45.6–1.5 33.6S–.10 77.33E–.07 10–2 4.6b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC II 28 16 35 21.8–3.2 12.31S 66.12E 0 3.5,3.5b
¶610385213
IDC Error ellipse: s-maj=108.0km s-min=45.2km az=60.0.
ISC III 02 08 42 21.8–.90 33.6S–.20 77.8E–.20 10 4.0b,3.7s 11 26-150
IDC III 02 08 42 20.3–.93 33.54S 77.84E 0 4.0,4.0b **¶610545373**
ISC Event type ke.
IDC Error ellipse: s-maj=32.0km s-min=28.6km az=49.0.
ISC III 03 19 46 25.0–3.2 16.2S–.60 67.0E–.60 10 3.8b 6 10-72
IDC III 03 19 46 23.5–3.3 16.18S 67.05E 0 3.6,3.6b **¶610545471**
ISC Event type ke.
IDC Error ellipse: s-maj=118.3km s-min=26.5km az=50.0.
ISC III 07 16 52 42.1–.45 16.58S–.09 66.60E–.08 10 4.5b,4.2s 62 4-158
IDC III 07 16 52 40.9–.59 16.56S 66.65E 0 4.3,4.3b **¶610273056**
NEIC III 07 16 52 42.6–2.4 16.55S–.09 66.59E–.10 10–1 4.6b,4.3b
GCMT III 07 16 52 45.6–.40 16.35S–.03 66.56E–.02 16–2 4.9W,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s10,c10; s75,c91;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.36±.15 $M_{\theta\theta}$-2.14±.12; $M_{\phi\phi}$2.50±.15; $M_{r\theta}$-1.48±.53; $M_{\theta\phi}$0.74±.11; $M_{\phi r}$-0.97±.48; Best double couple: NP1:ϕ_s52.00000°,δ85.00000°,λ-37.00000°. NP2:ϕ_s145.00000°,δ54.00000°,λ-174.00000°. Principal axes: T 3.0720,Plg21.0000° ,Azm104.0000°; N -0.0880,Plg53.0000°,Azm225.0000°; P -2.9820,Plg29.0000°,Azm2.0000° $M_0$3.02700×10^{16}
ISC III 09 19 19 28.1–.87 10.5S–.20 66.4E–.10 14 4.3b,3.4s 56 7-159
IDC III 09 19 19 26.5–.97 10.42S 66.42E 0 3.9,3.9b **¶610545891**
NEIC III 09 19 19 27.7–1.7 10.5S–.20 66.48E–.05 10–1 4.5b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 12 08 32 44.5–.55 15.8S–.10 67.24E–.09 10 4.3b 46 10-153
IDC III 12 08 32 42.9–.60 15.75S 67.23E 0 4.1,4.1b **¶610546065**
NEIC III 12 08 32 45.2–1.4 15.8S–.10 67.2E–.10 10–1 4.5b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 12 08 33 22.2–.74 15.9S–.20 67.3E–.20 10 4.0b,3.7s 13 10-153
IDC III 12 08 33 20.6–.81 15.87S 67.28E 0 3.9,3.9b **¶610546068**
ISC Event type ke.
IDC Error ellipse: s-maj=28.6km s-min=24.5km az=159.0.
IDC III 14 06 18 52.9–9.6 22.12S 69.21E 0 3.7s,3.5
¶610546185
IDC Error ellipse: s-maj=314.1km s-min=33.3km az=53.0.
ISC III 18 13 29 51.9–1.7 33.6S–.40 77.8E–.20 10 3.8b,3.6s 6 26-150
IDC III 18 13 29 50.2–1.9 33.61S 77.79E 0 3.7,3.7b **¶610546456**
ISC Event type ke.
IDC Error ellipse: s-maj=69.0km s-min=33.8km az=18.0.
IDC III 22 03 23 04.2–15 23.19S 68.81E 0 3.7,3.7b
¶610543443
IDC Error ellipse: s-maj=517.1km s-min=36.8km az=52.0.
ISC III 26 12 47 13.4–.67 16.4S–.20 66.6E–.10 10 4.5b,3.8s 34 10-164
IDC III 26 12 47 11.8–.58 16.37S 66.63E 0 4.2,4.2b **¶610543725**
ISC Event type ke.
IDC Error ellipse: s-maj=19.6km s-min=16.0km az=170.0.
ISC III 26 17 46 36.5–.67 16.5S–.20 66.6E–.10 10 4.1b,3.4s 27 11-164
IDC III 26 17 46 34.9–.61 16.51S 66.62E 0 4.1,4.1b **¶610543737**
ISC Event type ke.
IDC Error ellipse: s-maj=20.3km s-min=18.8km az=178.0.
IDC III 27 11 41 14.1–2.3 32.72S 78.42E 0 3.5,3.5b
¶610543791
IDC Error ellipse: s-maj=193.9km s-min=33.2km az=11.0.
IDC III 28 08 07 05.7–1.6 36.13S 78.89E 0 3.9,3.9b
¶610543838
IDC Error ellipse: s-maj=44.7km s-min=40.6km az=88.0.
IDC III 28 22 07 07.6–3.8 23.29S 69.19E 0 3.8,3.8b
GCMT III 28 22 07 15.0–.40 22.86S–.05 69.04E–.04 22–1 4.8W,3.8b **¶610543873**
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. Moment Tensor Solution. s23,c24; s75,c92;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.43±.21 $M_{\theta\theta}$0.96±.13; $M_{\phi\phi}$1.46±.13; $M_{r\theta}$0.57±.23; $M_{\theta\phi}$-0.49±.07; $M_{\phi r}$0.73±.19; Best double couple: NP1:ϕ_s165.00000°,δ52.00000° ,λ-72.00000°. NP2:ϕ_s317.00000°,δ42.00000°,λ-112.00000°. Principal axes: T 1.7910,Plg5.0000°,Azm242.0000°; N 0.8810,Plg14.0000°,Azm334.0000° ; P -2.6800,Plg75.0000°,Azm133.0000° $M_0$2.23500×10^{16}
ISC III 28 22 19 06.5–.67 23.2S–.10 69.1E–.10 10 4.5b,4.2s 45 16-164
IDC III 28 22 19 04.5–1.2 23.29S 69.18E 0 4.2s,4.2 **¶610543875**
NEIC III 28 22 19 07.1–1.6 23.2S–.10 69.1E–.10 10–1 4.7b,4.2
GCMT III 28 22 19 10.1–.30 22.89S–.03 69.12E–.02 12 4.8W,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s20,c25; s92,c128;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.99±.07 $M_{\theta\theta}$0.23±.07; $M_{\phi\phi}$1.76±.06; $M_{r\theta}$0.94±.32; $M_{\theta\phi}$-0.85±.06; $M_{\phi r}$0.67±.25; Best double couple: NP1:ϕ_s180.00000°,δ54.00000°,λ-58.00000°. NP2:ϕ_s313.00000°,δ47.00000°,λ-126.00000°. Principal axes: T 2.1560,Plg4.0000° ,Azm248.0000°; N 0.3880,Plg25.0000°,Azm339.0000°; P -2.5420,Plg64.0000° ,Azm150.0000° $M_0$2.34900×10^{16}
IDC III 28 22 20 29.7–1.8 23.37S 69.15E 0 4.2,4.2b
¶610543876
IDC Error ellipse: s-maj=54.8km s-min=37.7km az=11.0.
ISC III 28 23 33 34.2–.54 23.1S–.10 68.95E–.09 14 4.3b,4.0s 46 6-164
NEIC III 28 23 33 32.4–1.4 23.25S–.08 69.0E–.10 10–1 4.8b,4.0s **¶610543879**
IDC III 28 23 33 32.9–.64 23.20S 69.12E 0 4.1s,4.0
GCMT III 28 23 33 44.3–.10 23.08S–.01 69.13E–.01 12 5.2W,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s72,c100; s139,c248;Duration: 1$\$$0 Moment tensor: Scale 10^{16}Nm; M_{rr}-6.83±.10 $M_{\theta\theta}$0.94±.09; $M_{\phi\phi}$5.90±.09; $M_{r\theta}$-0.30±.32; $M_{\theta\phi}$-1.98±.08; $M_{\phi r}$3.69±.28; Best double couple: NP1:ϕ_s167.00000°,δ59.00000°,λ-83.00000°. NP2:ϕ_s334.00000°,δ31.00000°,λ-101.00000°. Principal axes: T 7.4970,Plg14.0000° ,Azm253.0000°; N 0.3360,Plg6.0000°,Azm344.0000°; P -7.8280,Plg75.0000°,Azm96.0000° $M_0$7.66200×10^{16}
ISC III 28 23 35 23.1–1.3 23.3S–.30 69.1E–.20 10 4.3b 14 16-151
IDC III 28 23 35 21.5–1.3 23.30S 69.10E 0 4.3b,4.2 **¶610543880**
ISC Event type ke.
IDC Error ellipse: s-maj=39.5km s-min=27.4km az=28.0.
IDC III 31 06 27 44.6–6.1 28.03S 74.37E 0 3.7,3.7b
¶610544032
IDC Error ellipse: s-maj=225.1km s-min=40.8km az=40.0.
ISC IV 01 04 00 00.1–.66 24.9S–.20 70.1E–.20 19 4.5b,3.6s 44 17-162
IDC IV 01 03 59 56.7–.65 24.94S 69.90E 0 4.1,4.1b **¶610651678**
ISC Event type ke.
IDC Error ellipse: s-maj=26.5km s-min=18.5km az=71.0.
ISC IV 01 21 04 41.9–1.4 16.6S–.20 66.8E–.30 10 4.2b,3.8s 16 10-97
IDC IV 01 21 04 38.5–13 16.76S 66.37E 0 3.8s,3.7 **¶610651725**
NEIC IV 01 21 04 41.9–1.1 16.6S–.10 66.6E–.20 10–2 4.3b,3.7
GCMT IV 01 21 04 47.9–.40 16.09S–.02 67.09E–.02 25–1 4.9W,3.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s20,c21; s86,c108;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.08±.17 $M_{\theta\theta}$-2.16±.12; $M_{\phi\phi}$2.24±.12; $M_{r\theta}$-0.57±.26; $M_{\theta\phi}$1.01±.10; $M_{\phi r}$-0.33±.24; Best double couple: NP1:ϕ_s57.00000°,δ89.00000°,λ-15.00000°. NP2:ϕ_s147.00000°,δ75.00000°,λ-179.00000°. Principal axes: T 2.5360,Plg10.0000° ,Azm103.0000°; N -0.0530,Plg75.0000°,Azm232.0000°; P -2.4810,Plg12.0000° ,Azm11.0000° $M_0$2.50900×10^{16}
ISC IV 02 02 26 25.3–.95 16.4S–.20 67.2E–.10 13 4.2s,3.9b 12 10-154
IDC IV 02 02 26 23.5–.89 16.41S 67.19E 0 4.1s,3.8 **¶610651737**
GCMT IV 02 02 26 29.0–.30 16.28S–.02 67.05E–.02 17–1 5.0W,3.8
ISC Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. Moment Tensor Solution. s21,c24; s96,c129;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.52±.15 $M_{\theta\theta}$-3.24±.14; $M_{\phi\phi}$2.72±.12; $M_{r\theta}$-0.94±.35; $M_{\theta\phi}$0.93±.10; $M_{\phi r}$-1.89±.44; Best double couple: NP1:ϕ_s237.00000°,δ77.00000° ,λ30.00000°. NP2:ϕ_s139.00000°,δ61.00000°,λ165.00000°. Principal axes: T 4.0290,Plg30.0000°,Azm102.0000°; N -0.5270,Plg58.0000°,Azm258.0000° ; P -3.5020,Plg11.0000°,Azm5.0000° $M_0$3.76600×10^{16}
ISC IV 03 07 19 43.8–.52 36.77S–.05 78.66E–.06 14–2 5.1b,4.9s 309 1-177
IDC IV 03 07 19 42.0–.40 36.58S 78.94E 0 4.8s,4.4 **¶611832207**
NEIC IV 03 07 19 43.6–1.6 36.72S–.07 78.61E–.07 10–1 5.3b,4.4
GCMT IV 03 07 19 46.6–.10 36.48S–.01 78.95E–.01 12 5.3W,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s90,c142; s145,c247;Duration: 1$\$$1 Moment tensor: Scale 10^{17}Nm; M_{rr}0.11±.02 $M_{\theta\theta}$-1.24±.02; $M_{\phi\phi}$1.13±.02; $M_{r\theta}$0.21±.04; $M_{\theta\phi}$0.17±.02; $M_{\phi r}$0.08±.04; Best double couple: NP1:ϕ_s229.00000°,δ88.00000°,λ-10.00000°. NP2:ϕ_s319.00000°,δ80.00000°,λ-178.00000°. Principal axes: T 1.1520,Plg6.0000° ,Azm275.0000°; N 0.1320,Plg80.0000°,Azm38.0000°; P -1.2830,Plg8.0000°,Azm184.0000° $M_0$1.21800×10^{17}
IDC IV 06 11 12 14.8–1.3 27.39S 75.41E 0 4.0,4.0b
¶610652074
IDC Error ellipse: s-maj=50.1km s-min=28.9km az=174.0.
IDC IV 10 16 39 44.0–18 24.42S 70.37E 0 3.7,3.7b
¶610652397
IDC Error ellipse: s-maj=604.9km s-min=36.3km az=50.0.
IDC IV 20 01 15 28.3–2.7 23.09S 68.89E 0 3.5,3.5b
¶610653087
IDC Error ellipse: s-maj=110.1km s-min=37.4km az=38.0.
ISC IV 24 10 50 44.9–.96 41.9S–.20 81.8E–.20 10 4.0b,3.6s 8 26-148
IDC IV 24 10 50 43.0–1.1 41.83S 81.76E 0 3.9,3.9b **¶610649881**
ISC Event type ke.
IDC Error ellipse: s-maj=35.4km s-min=31.0km az=107.0.
IDC IV 26 20 36 29.6–1.4 37.73S 78.07E 0 3.7,3.7b
¶610650086
IDC Error ellipse: s-maj=82.6km s-min=28.1km az=179.0.
ISC IV 28 10 31 51.7–.67 41.8S–.10 79.5E–.10 10 4.5b,3.9s 31 4-166
IDC IV 28 10 31 49.4–1.0 41.78S 79.39E 0 4.3,4.3b **¶610650217**
NEIC IV 28 10 31 51.9–1.3 41.82S–.09 79.4E–.20 10–1 4.7b,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 30 12 37 07.4–4.5 20.4S–.50 67.2E–.70 10 3.7b 6 14-91
IDC IV 30 12 37 05.6–4.7 20.41S 67.11E 0 4.1s,3.7 **¶610650411**
ISC Event type ke.
IDC Error ellipse: s-maj=140.0km s-min=34.5km az=57.0.
ISC V 01 02 46 27.4–.49 23.95S–.10 69.8E–.10 10 4.5b,3.9s 78 16-164
IDC V 01 02 46 26.2–.52 24.04S 69.69E 0 4.2,4.2b **¶610589580**
NEIC V 01 02 46 27.8–1.8 24.0S–.10 69.85E–.09 10–1 4.6b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC V 14 15 08 33.8–19 24.40S 69.43E 0 3.7,3.7b
¶610690283
IDC Error ellipse: s-maj=610.2km s-min=37.4km az=53.0.
ISC V 17 22 42 16.7–.41 28.29S–.08 74.25E–.09 10 4.7b,3.7s 92 21-165
IDC V 17 22 42 14.8–.53 28.20S 74.24E 0 4.2,4.2b **¶610641938**
NEIC V 17 22 42 17.0–.86 28.2S–.10 74.3E–.10 10–1 4.7b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 21 08 12 07.7–.42 28.57S–.08 74.09E–.07 10 4.9b,4.1s 96 18-146
BJI V 21 08 12 05.6–.60 29.30S 74.40E 21 5.1b,4.8b **¶610646027**
IDC V 21 08 12 06.2–.57 28.29S 74.30E 0 4.3,4.3b
NEIC V 21 08 12 07.8–2.3 28.56S–.09 74.2E–.10 10–1 5.0b,4.3b
GCMT V 21 08 12 10.8–.30 28.27S–.02 74.20E–.02 18–1 4.9W,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s23,c23; s106,c141;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.52±.16 $M_{\theta\theta}$-1.26±.15; $M_{\phi\phi}$0.74±.13; $M_{r\theta}$-0.10±.31; $M_{\theta\phi}$-2.90±.09; $M_{\phi r}$0.48±.29; Best double couple: NP1:ϕ_s10.00000°,δ85.00000°,λ10.00000°. NP2:ϕ_s279.00000°,δ80.00000°,λ174.00000°. Principal axes: T 2.8930,Plg11.0000° ,Azm235.0000°; N 0.4450,Plg79.0000°,Azm39.0000°; P -3.3380,Plg3.0000°,Azm144.0000° $M_0$3.11600×10^{16}
ISC V 21 12 30 22.1–.66 24.6S–.10 72.1E–.20 10 4.1b,3.7s 18 17-100
IDC V 21 12 30 20.3–.65 24.64S 72.04E 0 4.0,4.0b **¶610685086**
ISC Event type ke.
IDC Error ellipse: s-maj=21.0km s-min=19.3km az=127.0.
IDC V 21 14 56 38.3–3.1 14.43S 66.00E 0 3.7,3.7b
¶610685089
IDC Error ellipse: s-maj=117.6km s-min=42.6km az=50.0.
IDC V 24 06 37 37.9–1.3 33.25S 78.03E 0 4.0,4.0b
¶610685278
IDC Error ellipse: s-maj=42.2km s-min=33.0km az=169.0.
ISC V 26 18 07 59.9–.72 24.1S–.10 69.7E–.20 10 4.2b 32 17-164
IDC V 26 18 07 58.5–.73 24.08S 69.60E 0 4.0,4.0b **¶610685443**
NEIC V 26 18 07 59.6–1.7 24.1S–.20 69.7E–.30 10–1 4.3b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC V 26 18 10 05.0–1.6 24.10S 69.74E 0 3.6s,3.6
¶610685444
IDC Error ellipse: s-maj=72.2km s-min=28.0km az=30.0.
IDC V 26 18 34 14.9–1.7 24.05S 69.66E 0 3.7,3.7b
¶610685447
IDC Error ellipse: s-maj=63.8km s-min=30.1km az=34.0.
IDC VI 01 17 05 43.7–3.9 23.94S 69.69E 0 3.7,3.7b
¶610791062
IDC Error ellipse: s-maj=139.4km s-min=36.3km az=44.0.
ISC VI 04 10 01 10.0–1.7 10.9S–.30 66.7E–.30 23 3.8s,3.7b 7 7-152
IDC VI 04 10 01 06.4–1.7 10.92S 66.71E 0 3.7s,3.6 **¶610791227**
ISC Event type ke.
IDC Error ellipse: s-maj=59.7km s-min=28.6km az=48.0.
ISC VI 07 07 33 47.4–.69 15.3S–.10 66.9E–.20 14 4.2s,4.0b 18 9-164
IDC VI 07 07 33 45.1–1.0 15.23S 66.89E 0 4.2s,4.0 **¶610791387**
GCMT VI 07 07 33 49.0–.20 15.29S–.02 67.24E–.02 12 5.0W,4.0
ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. Moment Tensor Solution. s34,c42; s102,c146;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.60±.09 $M_{\theta\theta}$1.77±.10; $M_{\phi\phi}$1.83±.09; $M_{r\theta}$0.45±.34; $M_{\theta\phi}$-1.51±.07; $M_{\phi r}$-0.52±.37; Best double couple: NP1: ϕ_s316.00000°,δ51.00000°,λ-89.00000°. NP2:ϕ_s135.00000°,δ39.00000°,λ-91.00000°. Principal axes: T 3.3790,Plg6.0000°,Azm46.0000°; N 0.2900,Plg1.0000°,Azm136.0000° ; P -3.6690,Plg84.0000°,Azm232.0000° $M_0$3.52400×10^{16}

IDC VI 07 07 39 52.4–12 15.72S 66.58E 0 3.9,3.9b
GCMT VI 07 07 39 58.0–.40 15.50S–.04 67.72E–.03 29–1 5.0W,3.9b **¶610791388**
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.
Surface-wave location. Triangular moment-rate function. Moment Tensor Solution. s14,c16;
s80,c99;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr-3.08±.25 Mθθ2.20±.18; Mφφ0.87±.17;
Mrθ0.46±.21; Mθφ-1.80±.13; Mφr-1.98±.18; Best double couple: NP1:φs325.00000°,δ61.00000°
,λ-68.00000°. NP2:φs105.00000°,δ36.00000°,λ-124.00000°. Principal axes:
T 3.8100,Plg13.0000°,Azm39.0000°; N 0.1020,Plg19.0000°,Azm134.0000°
; P -3.9130,Plg66.0000°,Azm277.0000° M0 3.86100×10^{16}
ISC VI 11 16 54 16.8–.46 19.98S–.09 67.71E–.09 16 4.4s,4.2b 50 4-168
IDC VI 11 16 54 13.9–.55 19.83S 67.66E 0 4.3s,4.0 **¶610791658**
NEIC VI 11 16 54 15.6–2.3 20.0S–.10 67.57E–.03 10–1 4.9b,4.0
GCMT VI 11 16 54 18.6–.10 20.14S–.01 67.41E–.01 13–1 5.2W,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function. Moment Tensor Solution. s75,c102; s132,c227;Duration: 1s0
Moment tensor: Scale 10^{17}Nm; Mrr-0.14±.01 Mθθ0.82±.02; Mφφ-0.68±.01; Mrθ0.23±.04;
Mθφ-0.37±.01; Mφr-0.00±.03; Best double couple: NP1:φs58.00000°,δ85.00000°,λ168.00000°.
NP2:φs149.00000°,δ78.00000°,λ5.00000°. Principal axes: T 0.9580,Plg12.0000°
,Azm13.0000°; N -0.1840,Plg77.0000°,Azm216.0000°; P -0.7740,Plg5.0000°,Azm104.0000°
M0 0.86600×10^{17}
ISC VI 20 17 41 09.4–3.3 23.1S–.50 68.6E–.50 10 4.2b,3.5s 20 16-78
IDC VI 20 17 41 12.7–1.6 22.62S 69.36E 0 3.9,3.9b **¶610789169**
NEIC VI 20 17 41 13–.92 22.5S–.20 69.2E–.20 10–2 4.3b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VI 20 19 48 33.8–16 22.44S 68.97E 0 3.6,3.6b
¶610789174
IDC Error ellipse: s-maj=530.1km s-min=44.0km az=54.0.
ISC VI 23 20 57 22.9–.82 29.25S–.10 74.8E–.20 10 4.1b,3.7s 25 22-146
IDC VI 23 20 57 21.9–.96 29.22S 74.87E 0 3.9,3.9b **¶610789360**
NEIC VI 23 20 57 22.0–.99 29.16S–.07 74.6E–.20 10–1 4.4b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 24 07 18 27.3–.95 41.4S–.10 81.1E–.20 10 4.2b 11 22-147
IDC VI 24 07 18 25.9–.98 41.37S 81.09E 0 4.1,4.1b **¶610789379**
ISC Event type ke.
IDC Error ellipse: s-maj=34.9km s-min=20.1km az=100.0.
ISC VI 24 07 27 08.0–.28 41.28S–.05 80.71E–.07 11 5.2s,5.0b 271 4-177
IDC VI 24 07 27 05.9–.56 41.12S 80.93E 0 5.0s,4.5 **¶610694379**
BJI VI 24 07 27 06.4–.00 40.87S 80.64E 5 5.4s,5.3b
MOS VI 24 07 27 06.8–1.2 41.21S 80.96E 14 5.2b,5.3b
NEIC VI 24 07 27 07.7 41.04S 80.77E 12 5.2b,5.3b
NEIC VI 24 07 27 07.7 41.24S 80.64E 12 5.2b,5.3b
NEIC VI 24 07 27 07.7–1.4 41.24S–.08 80.6E–.10 10–1 5.5,5.5
NEIC VI 24 07 27 08 41.24S 80.70E 10 5.5,5.5
GCMT VI 24 07 27 11.7–.10 41.10S–.01 80.82E–.01 12 5.6W,5.5
ISC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 3s3 Moment tensor: Scale 10^{17}Nm;
Mrr-0.07 Mθθ2.01 Mφφ-1.93 Mrθ-0.10 Mθφ-0.42 Mφr1.24 NP1:φs138.68000°,δ77.11000°
,λ-24.19000°. NP2:φs234.41000°,δ66.46000°,λ-165.92000°. Principal axes:
T 2.0805,Plg7.0000°,Azm188.0000°; N 0.4968,Plg63.0000°,Azm292.0000°
; P -2.5773,Plg26.0000°,Azm95.0000° M0 2.33000×10^{17}
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{17}Nm; Mrr0.18 Mθθ2.17 Mφφ-2.35 Mrθ0.86 Mθφ-0.21
Mφr0.26 NP1:φs139.37000°,δ70.54000°,λ9.60000°. NP2:φs46.15000°,δ80.95000°
,λ160.29000°. Principal axes: T 2.4890,Plg20.0000°,Azm1.0000°; N -0.0945,Plg68.0000°
,Azm202.0000°; P -2.3945,Plg7.0000°,Azm94.0000° M0 2.44000×10^{17}
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function. Moment Tensor Solution. s125,c219; s148,c283;Duration: 1s5
Moment tensor: Scale 10^{17}Nm; Mrr-0.31±.03 Mθθ3.03±.03; Mφφ-2.72±.03; Mrθ0.00±.09;
Mθφ-0.25±.03; Mφr-0.10±.09; Best double couple: NP1:φs317.00000°,δ88.00000°,λ-2.00000°.
NP2:φs47.00000°,δ88.00000°,λ-178.00000°. Principal axes: T 3.0410,Plg0.0000°
,Azm2.0000°; N -0.3040,Plg88.0000°,Azm94.0000°; P -2.7350,Plg2.0000°,Azm272.0000°
M0 2.88800×10^{17}
ISC VI 24 08 51 28.3–.45 41.15S–.07 80.75E–.09 10 4.7s,4.6b 62 4-147
IDC VI 24 08 51 26.4–.64 41.18S 81.02E 0 4.6s,4.2 **¶610694569**
BJI VI 24 08 51 28.8–.00 40.99S 80.34E 5 5.2b,5.1s
NEIC VI 24 08 51 28.7–1.6 41.1S–.10 80.5E–.20 10–1 4.9b,5.1s
GCMT VI 24 08 51 30.7–.10 41.13S–.01 80.78E–.01 12 5.3W,5.1s
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function. Moment Tensor Solution. s79,c114; s131,c227;Duration: 1s1
Moment tensor: Scale 10^{17}Nm; Mrr-0.14±.02 Mθθ1.06±.01; Mφφ-0.92±.01; Mrθ0.07±.04;
Mθφ-0.11±.02; Mφr0.04±.04; Best double couple: NP1:φs48.00000°,δ90.00000°,λ176.00000°.
NP2:φs138.00000°,δ86.00000°,λ0.00000°. Principal axes: T 1.0700,Plg3.0000°,Azm3.0000°
; N -0.1440,Plg86.0000°,Azm223.0000°; P -0.9310,Plg3.0000°,Azm93.0000°
M0 1.00000×10^{17}
ISC VI 25 03 01 54.3–.44 9.51S–.06 66.80E–.07 10 4.8b,4.7s 159 6-158
IDC VI 25 03 01 44.3–.65 9.22S 67.20E 0 4.4s,3.8 **¶610694619**
GCMT VI 25 03 01 54.1–.10 9.26S–.01 66.85E–.01 22–0 5.6W,3.8
BJI VI 25 03 01 57.0–.00 9.60S 66.10E 10 5.1b,4.9s
NEIC VI 25 03 01 59.2 9.54S 66.16E 10 5.1b,4.9s
NEIC VI 25 03 01 59.1–2.2 9.54S–.04 66.17E–.09 10–1 5.6,5.5
NEIC VI 25 03 01 59.2 9.52S 66.16E 26 5.6,5.5
NEIC VI 25 03 01 59.2 9.92S 67.18E 26 5.6,5.5
ISC Event type se.
IDC Error ellipse: s-maj=20.2km s-min=18.7km az=172.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function. Moment Tensor Solution. s134,c230; s160,c314;Duration: 1s6
Moment tensor: Scale 10^{17}Nm; Mrr-0.04±.04 Mθθ-3.45±.04; Mφφ3.49±.04; Mrθ-0.80±.07;
Mθφ0.71±.03; Mφr0.54±.07; Best double couple: NP1:φs141.00000°,δ86.00000°,λ-165.00000°.
NP2:φs50.00000°,δ75.00000°,λ-4.00000°. Principal axes: T 3.6210,Plg7.0000°
,Azm275.0000°; N 0.1000,Plg75.0000°,Azm156.0000°; P -3.7210,Plg13.0000°,Azm7.0000°
M0 3.67100×10^{17}
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=15.9km s-min=4.4km az=113.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{17}Nm; Mrr0.26 Mθθ-2.17 Mφφ1.91 Mrθ-0.87 Mθφ0.38
Mφr0.31 NP1:φs140.98000°,δ83.40000°,λ-160.97000°. NP2:φs48.70000°,δ71.10000°
,λ-6.98000°. Principal axes: T 1.9796,Plg8.0000°,Azm273.0000°; N 0.5161,Plg70.0000°
,Azm159.0000°; P -2.4957,Plg18.0000°,Azm6.0000° M0 2.28000×10^{17}
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 3s3 Moment tensor: Scale 10^{17}Nm;
Mrr-0.40 Mθθ-2.60 Mφφ3.00 Mrθ0.06 Mθφ0.81 Mφr0.27 NP1:φs53.18000°,δ87.19000°,λ3.50000°.
NP2:φs323.00000°,δ86.51000°,λ177.19000°. Principal axes: T 3.1327,Plg4.0000°
,Azm278.0000°; N -0.4205,Plg86.0000°,Azm92.0000°; P -2.7122,Plg0.0000°,Azm188.0000°
M0 2.92000×10^{17}

(430) South of Africa.

ISC I 16 08 20 57.1–.59 48.88S–.07 31.08E–.10 8–3 4.7b,3.8s 111 16-162
IDC I 16 08 20 55.9–.54 48.91S 31.06E 0 4.9L,4.5 **¶610097475**
GCMT I 16 08 20 57.8–.30 49.02S–.02 30.75E–.05 19–1 5.0W,4.5
NEIC I 16 08 20 58.8–2.9 48.9S–.10 31.2E–.20 10–1 4.9b,4.5
ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function. Moment Tensor Solution. s20,c24; s60,c82;Duration: 0
Moment tensor: Scale 10^{16}Nm; Mrr-2.04±.27 Mθθ2.65±.18; Mφφ-0.60±.16; Mrθ2.76±.38;
Mθφ0.98±.10; Mφr-1.62±.43; Best double couple: NP1:φs287.00000°,δ74.00000°,λ-63.00000°.
NP2:φs46.00000°,δ31.00000°,λ-147.00000°. Principal axes: T 3.9370,Plg24.0000°
,Azm357.0000°; N 0.3510,Plg26.0000°,Azm99.0000°; P -4.2800,Plg53.0000°,Azm230.0000°
M0 4.10900×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 23 07 13 40.9–.28 48.93S–.06 31.11E–.07 10 5.0b,4.0s 311 14-166
IDC I 23 07 13 39.7–.45 49.01S 30.94E 0 4.7,4.7b **¶610105279**
MOS I 23 07 13 40.3–1.5 48.97S 31.11E 12 5.0b,4.7b
NEIC I 23 07 13 42.0–2.7 48.94S–.09 31.3E–.10 10–1 5.1b,4.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 29 13 23 56.6–.88 52.5S–.10 26.4E–.20 10 4.1b 13 20-85
IDC I 29 13 23 55.3–1.0 52.48S 26.53E 0 3.9,3.9b **¶610235647**
NEIC I 29 13 23 57.2–.33 52.5S–.20 26.3E–.50 10–1 4.3b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 08 17 43 42.5–.75 52.7S–.10 27.7E–.20 10 3.9b,3.0s 13 21-158
IDC II 08 17 43 41.0–.75 52.69S 27.72E 0 4.0,3.9b **¶610415135**
ISC Event type ke.
IDC Error ellipse: s-maj=30.2km s-min=18.2km az=86.0.
ISC III 17 11 29 59.2–.68 52.9S–.10 28.6E–.10 10 4.7b 32 20-84
NEIC III 17 11 29 59.0–2.2 52.9S–.10 28.6E–.10 10–1 4.7b **¶610546383**
IDC III 17 11 30 01.6–1.2 52.92S 28.43E 0 3.8,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=22.7km s-min=6.0km az=33.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=48.7km s-min=23.3km az=83.0.
IDC III 24 08 58 01.1–1.8 49.96S 30.35E 0 3.7,3.7b
¶610543586
IDC Error ellipse: s-maj=275.2km s-min=45.0km az=32.0.
ISC IV 09 04 11 14.3–.32 53.38S–.05 25.33E–.08 10 4.7b,4.6s 115 18-168
IDC IV 09 04 11 13.2–.43 53.41S 25.46E 0 4.5s,4.5 **¶610523784**
NEIC IV 09 04 11 14.9–2.1 53.35S–.10 25.4E–.20 10–1 4.9b,4.5
GCMT IV 09 04 11 17.9–.10 53.28S–.01 25.61E–.01 17–0 5.4W,4.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function. Moment Tensor Solution. s98,c151; s138,c252;Duration: 1s2
Moment tensor: Scale 10^{17}Nm; Mrr-0.03±.02 Mθθ1.06±.02; Mφφ-1.03±.02; Mrθ0.23±.05;
Mθφ0.97±.02; Mφr0.18±.05; Best double couple: NP1:φs23.00000°,δ85.00000°,λ170.00000°.
NP2:φs114.00000°,δ80.00000°,λ5.00000°. Principal axes: T 1.4940,Plg10.0000°
,Azm338.0000°; N -0.0780,Plg79.0000°,Azm178.0000°; P -1.4190,Plg4.0000°,Azm69.0000°
M0 1.45600×10^{17}
ISC IV 10 12 53 59.8–.45 53.04S–.07 25.5E–.10 10 4.8b,4.6s 73 19-157
IDC IV 10 12 53 57.6–.55 53.02S 25.35E 0 4.6s,4.4 **¶610526829**
NEIC IV 10 12 54 01.5–1.3 53.2S–.10 25.6E–.30 13–4 5.0b,4.4
GCMT IV 10 12 54 03.5–.10 53.11S–.01 25.74E–.01 20–0 5.5W,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function. Moment Tensor Solution. s98,c162; s134,c259;Duration: 1s3
Moment tensor: Scale 10^{17}Nm; Mrr0.01±.03 Mθθ1.20±.03; Mφφ-1.21±.03; Mrθ0.14±.05;
Mθφ1.53±.02; Mφr0.21±.05; Best double couple: NP1:φs19.00000°,δ88.00000°,λ173.00000°.
NP2:φs109.00000°,δ83.00000°,λ2.00000°. Principal axes: T 1.9660,Plg6.0000°
,Azm334.0000°; N -0.0050,Plg83.0000°,Azm186.0000°; P -1.9620,Plg4.0000°,Azm64.0000°
M0 1.96400×10^{17}
IDC IV 10 17 18 14.4–1.9 53.23S 27.12E 0 3.6,3.5b
¶610652399
IDC Error ellipse: s-maj=92.4km s-min=30.4km az=72.0.
ISC IV 16 10 39 49.0–.57 53.19S–.08 25.6E–.10 10 4.5b,3.5s 43 21-157
IDC IV 16 10 39 46.8–.57 53.12S 25.60E 0 4.3,4.3b **¶610529472**
NEIC IV 16 10 39 49.6–.95 53.1S–.10 25.6E–.30 15–5 4.8b,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 18 02 47 26.3–.59 48.05S–.10 31.6E–.20 10 4.3b,3.7s 32 15-156
IDC IV 18 02 47 25.3–.60 48.19S 31.76E 0 4.2,4.2b **¶610652963**
NEIC IV 18 02 47 26.5–1.6 48.1S–.10 31.6E–.30 10–1 4.5b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 18 13 13 56.2–1.2 53.5S–.20 26.6E–.30 10 3.9b 6 22-84
IDC IV 18 13 13 54.6–1.4 53.50S 26.63E 0 3.9,3.9b **¶610652983**
ISC Event type ke.
IDC Error ellipse: s-maj=47.6km s-min=27.1km az=96.0.
IDC IV 21 21 18 13.9–1.4 51.73S 27.04E 0 3.8,3.8b
¶610653222
IDC Error ellipse: s-maj=116.9km s-min=38.2km az=41.0.
ISC IV 24 16 17 38.0–.67 52.89S–.10 25.6E–.20 10 4.0b,4.0s 24 20-157
IDC IV 24 16 17 36.7–.80 52.92S 25.46E 0 3.9s,3.9 **¶610649903**
NEIC IV 24 16 17 38.2–.66 52.95S–.06 25.7E–.50 10–2 4.7b,3.9
GCMT IV 24 16 17 43.2–.30 53.01S–.02 25.59E–.03 20–1 5.0W,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function. Moment Tensor Solution. s23,c28; s90,c126;Duration: 0
Moment tensor: Scale 10^{16}Nm; Mrr-0.24±.17 Mθθ2.49±.15; Mφφ-2.24±.14; Mrθ1.59±.30;
Mθφ2.48±.11; Mφr0.11±.28; Best double couple: NP1:φs112.00000°,δ84.00000°,λ21.00000°.
NP2:φs20.00000°,δ69.00000°,λ174.00000°. Principal axes: T 4.0800,Plg19.0000°
,Azm338.0000°; N -0.6720,Plg68.0000°,Azm127.0000°; P -3.4000,Plg11.0000°
,Azm245.0000° M0 3.74000×10^{16}
ISC IV 30 05 15 22.8–.32 52.92S–.06 27.51E–.08 13 4.9b,4.2s 150 20-168
IDC IV 30 05 15 20.9–.38 52.88S 27.40E 0 4.5,4.5b **¶610589478**
GCMT IV 30 05 15 22.4–.30 52.93S–.01 27.37E–.05 12 5.0W,4.5b
NEIC IV 30 05 15 22.4–.99 52.9S–.10 27.5E–.20 10–1 5.0b,4.5b
ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function. Moment Tensor Solution. s35,c39; s76,c95;Duration: 0
Moment tensor: Scale 10^{16}Nm; Mrr-2.01±.16 Mθθ3.27±.09; Mφφ-1.26±.16; Mrθ1.68±.31;
Mθφ1.37±.13; Mφr-0.71±.70; Best double couple: NP1:φs284.00000°,δ67.00000°,λ-52.00000°.
NP2:φs40.00000°,δ43.00000°,λ-145.00000°. Principal axes: T 4.0040,Plg14.0000°
,Azm347.0000°; N -0.8450,Plg34.0000°,Azm87.0000°; P -3.1590,Plg52.0000°
,Azm239.0000° M0 3.58200×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 18 06 45 41.5–.55 52.99S–.07 25.5E–.10 10 4.3b,3.1s 35 18-157
NEIC V 18 06 45 41.0–1.4 52.9S–.10 25.4E–.30 10–1 4.5b,3.1s **¶610690554**
IDC V 18 06 45 41.6–.72 53.19S 25.79E 0 4.2,4.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=27.9km s-min=19.2km az=266.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=29.2km s-min=14.1km az=67.0.
ISC V 22 07 11 33.2–.72 52.55S–.10 21.3E–.20 10 4.3b,3.5s 24 20-149
IDC V 22 07 11 33.9–.93 53.02S 21.25E 0 4.1,4.1b **¶610685142**
NEIC V 22 07 11 33.1–2.1 52.57S–.04 20.9E–.30 10–1 4.4b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 29 10 17 37.4–.75 52.52S–.10 27.6E–.20 10 4.3b,3.0s 27 17-150
IDC V 29 10 17 36.0–.88 52.49S 27.97E 0 4.1,4.0b **¶610685608**
NEIC V 29 10 17 37.4–1.3 52.55S–.09 27.5E–.30 10–1 4.5b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 30 00 05 45.7–.56 53.32S–.08 25.3E–.10 10 4.3b,3.9s 35 18-157
IDC V 30 00 05 44.3–.72 53.41S 25.15E 0 4.1,4.0b **¶610685675**
NEIC V 30 00 05 45.9–1.1 53.4S–.10 25.4E–.20 10–1 4.7b,4.0b

GCMT V 30 00 05 46.9–.40 53.40S–.02 25.32E–.04 22–1 4.9W,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s15,c15; s84,c108;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-0.90±.18 $M_{\theta\theta}$1.89±.14; $M_{\phi\phi}$-0.99±.13; $M_{r\theta}$0.52±.18; $M_{\theta\phi}$2.45±.11; $M_{\phi r}$-0.53±.21; Best double couple: NP1:ϕ_s283.00000°,δ77.00000°,λ-18.00000°. NP2:ϕ_s17.00000°,δ73.00000°,λ-166.00000°. Principal axes: T 3.2990,Plg3.0000° ,Azm331.0000°; N -0.6190,Plg68.0000°,Azm67.0000°; P -2.6820,Plg22.0000° ,Azm240.0000° $M_0$2.99100×10^{16}
ISC VI 04 09 09 38.4–.58 52.48S–.09 28.3E–.10 10 4.4b,3.3s 31 16-153
IDC VI 04 09 09 37.2–.86 52.55S 28.36E 0 4.0,4.0b ¶610791223
NEIC VI 04 09 09 39.0–1.4 52.55S–.08 28.0E–.20 10–1 4.8b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 04 21 55 40.3–.82 52.5S–.10 27.7E–.30 10 4.1b,3.3s 14 17-153
IDC VI 04 21 55 38.8–.83 52.54S 27.74E 0 4.1,4.0b ¶610791258
ISC Event type ke.
IDC Error ellipse: s-maj=40.6km s-min=16.2km az=81.0.

(431) Prince Edward Islands region.

ISC VI 25 15 43 28.9–.47 42.32S–.08 42.53E–.09 13 4.3b,3.8s 66 8-150
IDC VI 25 15 43 27.6–.71 42.28S 42.66E 0 4.1,4.1b ¶610789454
NEIC VI 25 15 43 28.8–2.0 42.3S–.10 42.4E–.20 10–1 4.5b,4.1b
GCMT VI 25 15 43 30.8–.30 42.32S–.02 42.54E–.03 29–1 4.9W,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s17,c17; s88,c109;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-1.15±.23 $M_{\theta\theta}$0.99±.14; $M_{\phi\phi}$0.15±.15; $M_{r\theta}$0.05±.18; $M_{\theta\phi}$2.40±.09; $M_{\phi r}$-1.11±.23; Best double couple: NP1:ϕ_s11.00000°,δ73.00000°,λ-147.00000°. NP2:ϕ_s271.00000°,δ59.00000°,λ-20.00000°. Principal axes: T 3.1220,Plg9.0000° ,Azm138.0000°; N -0.6390,Plg53.0000°,Azm36.0000°; P -2.4830,Plg35.0000° ,Azm235.0000° $M_0$2.80300×10^{16}

(435) Southeast Indian Ridge.

IDC I 10 19 29 21.8–2.8 47.28S 105.70E 0 3.9,3.9b ¶610237099
IDC Error ellipse: s-maj=70.3km s-min=49.4km az=3.0.
ISC I 22 14 44 32.0–.55 42.3S–.10 84.6E–.10 10 4.8b,4.0s 37 24-157
IDC I 22 14 44 30.2–.86 42.18S 84.39E 0 4.1,4.1b ¶610235114
NEIC I 22 14 44 32.5–1.5 42.3S–.10 84.6E–.20 10–1 4.8b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC I 30 21 56 57.5–4.8 43.21S 87.75E 0 3.7s,3.7b ¶610235762
IDC Error ellipse: s-maj=137.4km s-min=47.0km az=25.0.
ISC II 14 05 32 06.0–2.9 37.7S–.50 88.8E–.40 10 4.2b 11 21-165
IDC II 14 05 32 04.6–2.6 37.70S 88.81E 0 4.2,4.2b ¶610415486
ISC Event type ke.
IDC Error ellipse: s-maj=83.4km s-min=27.9km az=33.0.
ISC II 14 05 39 43.2–.40 37.83S–.09 88.93E–.07 10 4.8b,4.0s 70 9-167
IDC II 14 05 39 41.4–.61 37.89S 88.86E 0 4.5,4.5b ¶610415488
NEIC II 14 05 39 43.4–2.1 37.9S–.10 88.88E–.06 10–1 4.9b,4.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 19 07 00 17.8–1.2 50.2S–.10 112.7E–.40 10 4.0b,3.5s 8 15-152
IDC II 19 07 00 16.3–1.1 50.21S 112.63E 0 3.9,3.9b ¶610415802
ISC Event type ke.
IDC Error ellipse: s-maj=56.2km s-min=21.8km az=96.0.
IDC III 26 12 11 43.4–3.4 49.68S 113.24E 0 3.7,3.7b ¶610543721
IDC Error ellipse: s-maj=185.7km s-min=66.9km az=125.0.
ISC III 29 21 01 27.3–.74 47.5S–.10 100.2E–.20 11 4.3b,4.2s 22 16-159
IDC III 29 21 01 25.9–.93 47.46S 100.19E 0 4.2,4.2b ¶610543956
NEIC III 29 21 01 27.2–.43 47.49S–.08 100.3E–.30 10–1 4.6b,4.2b
GCMT III 29 21 01 31.2–.30 47.37S–.01 99.98E–.02 13–1 4.8W,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s16,c20; s84,c124;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-0.23±.09 $M_{\theta\theta}$2.12±.10; $M_{\phi\phi}$-1.90±.09; $M_{r\theta}$-0.75±.25; $M_{\theta\phi}$0.86±.07; $M_{\phi r}$-0.25±.20; Best double couple: NP1:ϕ_s212.00000°,δ81.00000°,λ166.00000°. NP2:ϕ_s305.00000°,δ77.00000°,λ9.00000°. Principal axes: T 2.5200,Plg16.0000° ,Azm168.0000°; N -0.4420,Plg74.0000°,Azm360.0000°; P -2.0830,Plg3.0000° ,Azm259.0000° $M_0$2.30100×10^{16}
IDC IV 01 22 15 46.2–3.4 50.06S 110.57E 0 3.7,3.7b ¶610651727
IDC Error ellipse: s-maj=133.0km s-min=29.4km az=103.0.
IDC IV 01 22 18 01.7–6.8 49.38S 106.41E 0 3.6s,3.6 ¶610651728
IDC Error ellipse: s-maj=227.0km s-min=32.2km az=106.0.
IDC IV 16 00 46 24.7–5.8 47.98S 103.05E 0 3.4,3.4b ¶610652832
IDC Error ellipse: s-maj=184.8km s-min=34.7km az=110.0.
ISC IV 16 00 46 37.7–.98 47.9S–.10 102.8E–.20 10 4.0b,3.5s 16 16-155
NEIC IV 16 00 46 36.5–1.6 47.78S–.10 102.3E–.40 10–2 4.2b,3.5s ¶610652835
IDC IV 16 00 46 36.5–1.4 47.91S 102.81E 0 3.9,3.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=45.2km s-min=9.0km az=287.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=44.2km s-min=27.9km az=105.0.
IDC IV 16 04 26 27.6–12 40.95S 86.56E 0 3.6s,3.6 ¶610652849
IDC Error ellipse: s-maj=874.2km s-min=66.5km az=4.0.
IDC IV 19 02 47 56.4–6.0 49.58S 111.10E 0 4.3s,3.6 ¶610653023
IDC Error ellipse: s-maj=255.8km s-min=58.8km az=111.0.
ISC IV 23 11 38 39.4–1.3 42.1S–.20 88.4E–.30 15 4.0b,3.9s 8 21-147
IDC IV 23 11 38 37.4–1.3 42.09S 88.43E 0 3.9,3.9b ¶610649815
ISC Event type ke.
IDC Error ellipse: s-maj=44.2km s-min=26.8km az=102.0.
IDC IV 23 15 46 07.6–1.4 50.03S 111.53E 0 3.9,3.9b ¶610649821
IDC Error ellipse: s-maj=57.0km s-min=27.6km az=104.0.
ISC IV 23 18 17 13.6–1.0 49.0S–.20 108.7E–.30 10 4.1b,3.6s 9 15-153
IDC IV 23 18 17 12.2–1.1 48.93S 108.68E 0 4.0,4.0b ¶610649823
ISC Event type ke.
IDC Error ellipse: s-maj=50.0km s-min=20.0km az=106.0.
ISC IV 24 01 03 18.5–.56 50.26S–.09 112.4E–.10 10 4.7b,4.0s 42 15-152
IDC IV 24 01 03 17.6–.79 50.28S 112.55E 0 4.6,4.6b ¶610554279
NEIC IV 24 01 03 18.6–.84 50.3S–.10 112.37E–.09 10–1 4.8b,4.6b
GCMT IV 24 01 03 22.6–.30 50.18S–.02 112.52E–.07 17–1 4.9W,4.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s26,c28; s85,c103;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-2.74±.20 $M_{\theta\theta}$2.32±.13; $M_{\phi\phi}$0.42±.12; $M_{r\theta}$1.18±.31; $M_{\theta\phi}$-0.01±.09; $M_{\phi r}$0.43±.48; Best double couple: NP1:ϕ_s262.00000°,δ58.00000°,λ-97.00000°. NP2:ϕ_s96.00000°,δ33.00000°,λ-78.00000°. Principal axes: T 2.5850,Plg13.0000° ,Azm358.0000°; N 0.4730,Plg6.0000°,Azm266.0000°; P -3.0530,Plg76.0000°,Azm151.0000° $M_0$2.81900×10^{16}
ISC IV 24 16 44 20.7–1.3 50.3S–.10 112.8E–.40 10 3.6b 6 15-152
IDC IV 24 16 44 19.2–1.3 50.27S 112.81E 0 3.6,3.6b ¶610649907
ISC Event type ke.
IDC Error ellipse: s-maj=57.2km s-min=22.0km az=99.0.
ISC IV 24 16 45 48.1–1.3 50.2S–.10 112.5E–.40 10 3.4b 6 15-152
IDC IV 24 16 45 46.2–1.4 50.22S 112.30E 0 3.4,3.4b ¶610649908
ISC Event type ke.
IDC Error ellipse: s-maj=61.9km s-min=24.1km az=97.0.
IDC IV 24 16 48 46.4–3.1 50.19S 112.28E 0 3.4,3.4b ¶610649909
IDC Error ellipse: s-maj=137.1km s-min=24.8km az=105.0.
IDC IV 24 16 53 18.7–3.1 50.09S 111.49E 0 3.7,3.7b ¶610649910
IDC Error ellipse: s-maj=131.6km s-min=24.0km az=106.0.
IDC IV 27 23 58 42.5–3.7 49.80S 113.82E 0 3.7,3.7b ¶610650174
IDC Error ellipse: s-maj=357.0km s-min=71.0km az=124.0.
IDC V 06 14 39 07.9–1.6 41.88S 88.28E 0 3.9s,3.7 ¶610689667
IDC Error ellipse: s-maj=48.3km s-min=37.5km az=129.0.
IDC V 06 14 42 16.1–4.5 41.69S 88.07E 0 3.7,3.7b ¶610689668
IDC Error ellipse: s-maj=127.3km s-min=31.4km az=123.0.
IDC V 06 14 48 25.5–9.1 41.27S 87.19E 0 3.8,3.8b ¶610689669
IDC Error ellipse: s-maj=243.2km s-min=30.7km az=127.0.
IDC V 06 15 06 31.0–5.0 41.21S 88.22E 0 3.8,3.8b ¶610689673
IDC Error ellipse: s-maj=131.4km s-min=39.6km az=121.0.
IDC V 08 00 50 52.9–3.2 48.46S 107.54E 0 3.7,3.7b ¶610689767
IDC Error ellipse: s-maj=196.8km s-min=49.1km az=125.0.
ISC V 11 17 26 41.1–1.2 50.2S–.10 110.8E–.30 10 4.2b,3.5s 11 15-153
IDC V 11 17 26 40.1–1.0 50.18S 110.79E 0 4.2,4.2b ¶610690070
ISC Event type se.
IDC Error ellipse: s-maj=39.0km s-min=19.7km az=96.0.
ISC V 13 15 34 26.9–1.3 50.0S–.20 111.7E–.40 10 3.8b,3.1s 6 15-146
IDC V 13 15 34 25.3–1.3 50.04S 111.61E 0 3.8,3.8b ¶610690202
ISC Event type ke.
IDC Error ellipse: s-maj=53.2km s-min=20.6km az=98.0.
ISC V 14 23 51 44.8–.53 49.6S–.10 110.6E–.10 10 4.7b 29 15-152
IDC V 14 23 51 44.9–2.8 49.56S 110.50E 0 4.0,4.0b ¶610690305
NEIC V 14 23 51 45.0–1.9 49.6S–.10 110.7E–.10 10–1 5.0b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VI 21 05 01 51.6–15 48.95S 107.24E 0 3.6,3.6b ¶610789190
IDC Error ellipse: s-maj=840.6km s-min=55.7km az=120.0.
IDC VI 21 16 59 18.8–10 50.23S 112.54E 0 3.6,3.6b ¶610789220
IDC Error ellipse: s-maj=535.7km s-min=29.6km az=109.0.
IDC VI 25 13 03 32.4–3.9 48.41S 106.98E 0 3.8s,3.8 ¶610789448
IDC Error ellipse: s-maj=136.4km s-min=30.2km az=108.0.
IDC VI 27 12 07 54.9–28 49.20S 109.62E 0 3.4,3.4b ¶610789571
IDC Error ellipse: s-maj=912.3km s-min=33.4km az=103.0.

(437) South of Australia.

IDC II 05 23 19 51.2–2.5 62.73S 147.67E 0 4.4L,4.0 ¶610414914
IDC Error ellipse: s-maj=190.8km s-min=21.5km az=82.0.
ISC IV 20 04 05 19.6–1.3 43.1S–.10 124.3E–.20 10 6 12-141
IDC IV 20 04 05 18.6–1.9 43.14S 124.25E 0 3.7,3.5b ¶610653095
ISC Event type ke.
IDC Error ellipse: s-maj=55.5km s-min=27.2km az=93.0.
IDC IV 21 13 54 40.3–2.3 63.23S 146.33E 0 3.4,3.3b ¶610653200
IDC Error ellipse: s-maj=140.3km s-min=38.0km az=68.0.

(740) Owen Fracture Zone region.

OMAN I 10 23 34 44.7–.27 15.78N 59.48E 24–11 4.4b,3.4L ¶615380611
OMAN Error ellipse: s-maj=15.3km s-min=1.8km az=324.0.
OMAN I 27 14 45 49.3–.48 21.76N 61.77E 32–21 4.0b,3.1L ¶615380626
OMAN Error ellipse: s-maj=27.9km s-min=2.8km az=277.0.
ISC II 04 07 36 10.5–1.2 14.4N–.20 55.8E–.20 18 3.8b,3.2s 10 9-85
IDC II 04 07 36 07.6–1.4 14.33N 55.79E 0 3.8,3.8b ¶610414795
ISC Event type ke.
IDC Error ellipse: s-maj=34.1km s-min=23.7km az=177.0.
ISC II 04 11 20 25.9–.62 14.66N–.09 55.89E–.09 18 4.1b,3.5s 44 9-85
IDC II 04 11 20 22.8–.77 14.59N 55.93E 0 4.1,4.1b ¶610414810
NEIC II 04 11 20 24.9–1.8 14.63N–.10 55.82E–.10 10–1 4.3b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 04 12 03 35.2–1.2 14.6N–.20 55.9E–.20 18 3.7b,3.4s 9 9-95
IDC II 04 12 03 32.3–1.3 14.61N 55.85E 0 3.7,3.7b ¶610414812
ISC Event type ke.
IDC Error ellipse: s-maj=34.2km s-min=24.1km az=5.0.
ISC II 04 12 12 29.6–1.2 14.6N–.20 55.8E–.20 18 3.6b 10 9-85
IDC II 04 12 12 26.7–1.4 14.53N 55.83E 0 3.6,3.6b ¶610414814
ISC Event type ke.
IDC Error ellipse: s-maj=33.1km s-min=23.5km az=1.0.
IDC II 23 18 07 07.5–6.0 14.47N 55.79E 0 3.5,3.5b ¶610384889
IDC Error ellipse: s-maj=200.6km s-min=36.0km az=78.0.
ISC II 27 12 45 20.1–.81 20.89N–.05 60.54E–.07 10 3.6b 61 2-84
IDC II 27 12 45 17.4–1.1 20.60N 60.57E 0 3.9L,3.7 ¶610385126
OMAN II 27 12 45 21.4–.13 20.88N 60.60E 36–17 5.1b,4.9
ISC Event type ke.
IDC Error ellipse: s-maj=28.6km s-min=21.5km az=36.0.
OMAN Error ellipse: s-maj=2.6km s-min=1.4km az=289.0.
ISC III 19 01 10 12.4–2.7 21.92N–.07 62.0E–.10 35 58 2-9
OMAN III 19 01 10 12.4–.30 21.88N 62.03E 33 4.8b,3.7L ¶615317130
DSN III 19 01 10 14.8–1.9 22.33N 61.77E 10 3.2L,3.7L
ISC Event type ke.
OMAN Error ellipse: s-maj=5.8km s-min=3.0km az=250.0.
DSN Error ellipse: s-maj=21.0km s-min=17.1km az=35.0.
OMAN III 21 04 37 26.7–2.6 21.96N 62.02E 15 4.9b,3.4L ¶615386320
OMAN Error ellipse: s-maj=17.4km s-min=7.5km az=109.0.
OMAN III 21 04 39 43.8–1.1 21.88N 61.93E 10–43 3.5L ¶615386321
OMAN Error ellipse: s-maj=9.7km s-min=6.4km az=120.0.
ISC IV 27 05 16 33.4–.70 13.18N–.10 57.59E–.10 17 4.1b,3.4s 29 10-95
IDC IV 27 05 16 30.7–1.2 13.05N 57.58E 0 3.9,3.9b ¶610650105
NEIC IV 27 05 16 32.9–.76 13.2N–.10 57.7E–.10 10–2 4.3b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 27 21 27 28.8–.77 22.51N–.04 60.86E–.03 14–4 4.7b,3.9s 438 1-126
TEH IV 27 21 27 22.8 22.40N 61.13E 10 4.9L,3.9s ¶611833661
IDC IV 27 21 27 26.8–.53 22.35N 60.95E 0 4.9L,4.4
BJI IV 27 21 27 27.6–.00 22.28N 60.84E 23 5.0b,4.6b
NEIC IV 27 21 27 29.3–2.3 22.67N–.08 60.84E–.06 10–1 4.8b,4.6b
GCMT IV 27 21 27 31.3–.30 22.46N–.02 60.76E–.02 21–1 4.9W,4.6b
DSN IV 27 21 27 31.8–1.7 22.58N 60.62E 10 5.5b,5.0L
OMAN IV 27 21 27 32.4–.25 22.44N 60.54E 13–3 6.0b,5.0L
ISC Event type se.

TEH Error ellipse: s-maj=0.7km s-min=0.6km az=-1.0.
IDC Error ellipse: s-maj=13.3km s-min=10.0km az=9.0.
NEIC Event type se. Error ellipse: s-maj=14.4km s-min=6.3km az=30.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s21,c23; s84,c116;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.35±.14 $M_{\theta\theta}$2.39±.10; $M_{\phi\phi}$-2.74±.12; $M_{r\theta}$0.42±.20; $M_{\theta\phi}$0.86±.10; $M_{\phi r}$-0.17±.19; Best double couple: NP1:ϕ_s126.00000°,δ86.00000°,λ10.00000°. NP2:ϕ_s35.00000°,δ80.00000°,λ176.00000°. Principal axes: T 2.6010,Plg10.0000° ,Azm351.0000°; N 0.2970,Plg79.0000°,Azm148.0000°; P -2.8990,Plg4.0000°,Azm260.0000° $M_0$2.75000×10^{16}
DSN Error ellipse: s-maj=29.2km s-min=13.1km az=4.0.
OMAN Error ellipse: s-maj=6.6km s-min=1.6km az=268.0.
ISC IV 30 07 03 20.0–.57 14.25N–.06 56.42E–.05 10 4.2b,3.6s 74 4-99
OMAN IV 30 07 03 18.2–.10 13.95N 56.30E 10–2 3.7b,3.6L **¶610650391**
IDC IV 30 07 03 18.5–.97 14.37N 56.51E 0 3.9,3.9b
NEIC IV 30 07 03 21.2–1.7 14.38N–.05 56.6E–.10 10–1 4.4b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 30 15 08 50.0–.94 14.2N–.10 56.4E–.10 20 3.9b 32 9-127
IDC IV 30 15 08 46.8–.96 14.17N 56.49E 0 3.8,3.8b **¶610650424**
NEIC IV 30 15 08 47.8–1.1 14.10N–.07 56.3E–.20 10–2 4.1b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 30 15 36 04.0–1.9 14.2N–.30 57.0E–.30 15 3.4b 8 9-84
IDC IV 30 15 36 01.4–2.0 14.12N 56.99E 0 3.6s,3.5 **¶610650427**
ISC Event type ke.
IDC Error ellipse: s-maj=51.9km s-min=28.0km az=55.0.
ISC V 01 17 08 25.4–4.2 14.3N–.50 56.3E–.50 20 3.8b 6 9-73
IDC V 01 17 08 20.3–5.5 13.98N 56.34E 0 3.7,3.6b **¶610689324**
ISC Event type ke.
IDC Error ellipse: s-maj=97.9km s-min=70.0km az=170.0.
ISC V 23 18 04 07.0–1.2 14.5N–.20 54.9E–.20 14 3.7b,2.9s 11 9-86
IDC V 23 18 04 04.6–1.3 14.43N 54.94E 0 3.6,3.6b **¶610685238**
ISC Event type ke.
IDC Error ellipse: s-maj=32.2km s-min=24.3km az=31.0.
ISC V 23 18 41 45.2–.54 14.89N–.07 54.89E–.07 10 4.3b,3.2s 76 9-127
IDC V 23 18 41 42.8–.61 14.62N 54.96E 0 4.1,4.1b **¶610685242**
NEIC V 23 18 41 45.9–1.4 14.83N–.08 54.92E–.07 10–1 4.4b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 23 19 01 22.0–.36 14.71N–.05 55.00E–.05 14 4.5b,3.6s 329 9-156
IDC V 23 19 01 19.3–.54 14.58N 55.02E 0 4.2,4.2b **¶610650843**
MOS V 23 19 01 20.1–1.3 14.66N 55.06E 12 4.7b,4.2b
NEIC V 23 19 01 22.2–1.4 14.79N–.08 54.98E–.08 10–1 4.6b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 24 02 07 47.9–1.2 14.6N–.30 54.9E–.20 14 3.8b,2.6s 6 9-86
IDC V 24 02 07 45.5–1.3 14.55N 54.90E 0 3.7,3.7b **¶610685259**
ISC Event type ke.
IDC Error ellipse: s-maj=40.8km s-min=30.0km az=19.0.
ISC V 24 02 23 07.6–.98 14.8N–.10 54.9E–.10 10 4.0b,3.0s 32 9-127
IDC V 24 02 23 05.7–1.2 14.64N 54.86E 0 3.9,3.9b **¶610685261**
NEIC V 24 02 23 09.0–1.4 14.9N–.10 54.97E–.05 10–2 4.1b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 24 04 36 41.1–1.2 14.5N–.20 54.9E–.20 14 3.9b,3.0s 10 9-86
IDC V 24 04 36 38.9–1.3 14.49N 54.94E 0 3.8,3.8b **¶610685268**
ISC Event type ke.
IDC Error ellipse: s-maj=30.9km s-min=26.9km az=54.0.
ISC V 24 04 59 33.7–1.2 14.7N–.20 54.9E–.10 14 3.9b,3.3s 14 9-127
IDC V 24 04 59 31.6–1.2 14.67N 54.86E 0 3.9,3.9b **¶610685271**
ISC Event type ke.
IDC Error ellipse: s-maj=29.3km s-min=19.3km az=7.0.
ISC V 30 07 20 32.2–.47 14.75N–.08 54.81E–.07 14 4.6b,3.8s 146 9-131
IDC V 30 07 20 29.1–.66 14.65N 54.94E 0 4.3,4.3b **¶610655730**
NEIC V 30 07 20 32.7–2.5 14.76N–.09 54.86E–.08 10–1 4.7b,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 02 21 48 51.7–1.2 13.2N–.20 57.4E–.20 17 3.6b,3.1s 8 10-83
IDC VI 02 21 48 49.0–1.4 13.11N 57.41E 0 3.7,3.7b **¶610791124**
ISC Event type ke.
IDC Error ellipse: s-maj=32.1km s-min=30.3km az=82.0.
OMAN VI 07 11 52 36.3–.53 17.65N 59.77E 33–17 3.9L,3.5b
¶615375561
OMAN Error ellipse: s-maj=25.6km s-min=4.0km az=310.0.
OMAN VI 16 05 29 23.6–.52 17.85N 59.56E 10 4.4b,3.7L
¶615375566
OMAN Error ellipse: s-maj=9.7km s-min=5.2km az=292.0.

(741) Indian Ocean Triple Junction.

ISC I 04 14 43 14.8–.51 27.64S–.09 65.2E–.10 10 4.6b,3.8s 77 8-145
IDC I 04 14 43 13.4–.66 27.66S 65.22E 0 4.3,4.3b **¶609985346**
NEIC I 04 14 43 15.0–1.3 27.73S–.10 65.2E–.20 10–1 4.6b,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC I 11 01 35 42.0–24 26.79S 69.84E 0 3.5s,3.5
¶610237117
IDC Error ellipse: s-maj=768.3km s-min=41.4km az=51.0.
ISC I 13 02 29 49.1–2.7 26.0S–.40 70.9E–.40 11 3.8b,3.5s 7 18-81
IDC I 13 02 29 47.2–2.9 26.07S 70.85E 0 3.8,3.8b **¶610237271**
ISC Event type ke.
IDC Error ellipse: s-maj=91.0km s-min=29.0km az=44.0.
IDC I 24 14 49 41.3–6.2 25.34S 68.80E 0 3.7,3.7b
¶610235267
IDC Error ellipse: s-maj=171.0km s-min=40.8km az=58.0.
IDC I 29 19 58 24.8–7.5 25.79S 69.85E 0 3.6,3.6b
¶610235668
IDC Error ellipse: s-maj=196.7km s-min=57.2km az=63.0.
ISC I 30 22 13 22.3–.47 27.73S–.09 65.17E–.08 10 4.5b,3.6s 59 8-170
IDC I 30 22 13 21.0–.59 27.78S 65.15E 0 4.3b,4.2 **¶610148239**
NEIC I 30 22 13 22.4–.92 27.69S–.08 65.22E–.06 10–1 4.5b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 22 16 05 04.6–.76 27.8S–.10 65.2E–.10 10 4.1b,3.8s 17 8-145
IDC II 22 16 05 02.4–2.5 27.99S 65.05E 0 4.1,4.1b **¶610384819**
NEIC II 22 16 05 04.8–.92 27.8S–.10 65.1E–.20 10–1 4.2b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IV 12 20 10 58.2–4.9 26.45S 70.46E 0 3.6,3.6b
¶610652577
IDC Error ellipse: s-maj=142.1km s-min=37.2km az=52.0.
IDC IV 30 02 22 38.9–16 27.56S 65.28E 0 3.4,3.4b
¶610650374
IDC Error ellipse: s-maj=900.6km s-min=55.2km az=35.0.
ISC V 09 21 30 47.6–.84 26.8S–.20 67.4E–.20 10 3.9b 12 20-146
IDC V 09 21 30 46.0–.87 26.84S 67.34E 0 3.7,3.7b **¶610689915**
ISC Event type ke.
IDC Error ellipse: s-maj=28.2km s-min=24.0km az=18.0.
ISC V 10 17 43 13.5–.56 26.55S–.05 67.50E–.05 9–3 5.0b,4.2s 552 8-172
BJI V 10 17 43 11.4–.00 26.54S 67.33E 13 5.1b,4.8b **¶610623004**
IDC V 10 17 43 12.2–.38 26.55S 67.63E 0 4.7,4.7b
MOS V 10 17 43 12.1–.74 26.52S 67.66E 12 5.1b,4.7b
NEIC V 10 17 43 14.4–2.2 26.53S–.10 67.6E–.10 10–1 5.2b,4.7b
GCMT V 10 17 43 15.3–.20 26.68S–.01 67.46E–.02 14–0 5.1W,4.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s61,c70; s106,c166;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-4.25±.19 $M_{\theta\theta}$4.63±.14; $M_{\phi\phi}$-0.38±.12; $M_{r\theta}$-1.38±.26; $M_{\theta\phi}$1.35±.10; $M_{\phi r}$0.45±.29; Best double couple: NP1:ϕ_s87.00000°,δ53.00000°,λ-76.00000°. NP2:ϕ_s244.00000°,δ39.00000°,λ-108.00000°. Principal axes: T 5.1330,Plg8.0000° ,Azm167.0000°; N -0.5710,Plg11.0000°,Azm258.0000°; P -4.5640,Plg77.0000° ,Azm43.0000° $M_0$4.84900×10^{16}
IDC V 12 10 13 30.1–1.3 26.75S 67.15E 0 4.0,4.0b
¶610690124
IDC Error ellipse: s-maj=49.0km s-min=29.4km az=5.0.
ISC V 15 18 40 21.6–.75 26.1S–.20 70.7E–.20 10 4.0b,3.6s 12 18-143
IDC V 15 18 40 19.8–.71 26.06S 70.68E 0 3.9,3.9b **¶610690349**
ISC Event type ke.
IDC Error ellipse: s-maj=24.4km s-min=19.6km az=88.0.
ISC VI 11 12 03 30.5–2.7 26.0S–.40 69.2E–.40 10 4.0b,3.5s 7 19-94
IDC VI 11 12 03 28.7–2.8 26.00S 69.14E 0 3.9,3.9b **¶610791650**
ISC Event type ke.
IDC Error ellipse: s-maj=86.8km s-min=29.4km az=46.0.

(742) Western Indian-Antarctic Ridge.

ISC I 01 02 48 52.7–2.3 48.8S–.20 120.4E–.60 10 4.0b,3.5s 6 15-147
IDC I 01 02 48 51.8–2.6 48.79S 120.54E 0 4.0,4.0b **¶610236348**
ISC Event type ke.
IDC Error ellipse: s-maj=100.4km s-min=26.7km az=101.0.
IDC I 04 04 20 11.0–3.4 50.28S 114.63E 0 4.0,4.0b
¶610236669
IDC Error ellipse: s-maj=187.4km s-min=66.3km az=121.0.
ISC I 07 11 42 22.1–.60 48.98S–.08 123.0E–.10 10 4.3b,3.6s 24 16-146
IDC I 07 11 42 21.5–1.3 48.88S 123.22E 0 3.8,3.8b **¶610236896**
NEIC I 07 11 42 22.1–2.0 49.00S–.08 123.0E–.20 10–1 4.4b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC I 07 11 46 52.6–4.2 48.65S 124.44E 0 3.4,3.3b
¶610236897
IDC Error ellipse: s-maj=153.8km s-min=77.9km az=119.0.
IDC I 07 17 57 39.5–3.9 49.29S 125.78E 0 3.8,3.8b
¶610236913
IDC Error ellipse: s-maj=119.8km s-min=67.7km az=106.0.
ISC I 09 06 12 16.7–.67 49.19S–.08 125.1E–.10 10 4.3b,3.7s 28 16-145
IDC I 09 06 12 15.7–1.1 49.24S 125.34E 0 4.2,4.2b **¶610236996**
NEIC I 09 06 12 16.5–1.5 49.2S–.10 124.9E–.10 10–2 4.5b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 10 03 01 31.1–1.3 48.79S–.05 126.43E–.05 0–7 5.1b,4.7s 502 15-166
GCMT I 10 03 01 30.5–.10 48.77S–.01 126.37E–.02 12 5.3W,4.7s **¶610050776**
IDC I 10 03 01 31.2–.48 48.69S 126.38E 0 4.9,4.9b
NEIC I 10 03 01 32.5–1.9 48.78S–.09 126.4E–.20 10–1 5.2b,4.9b
ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s60,c95; s100,c186;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.72±.02 $M_{\theta\theta}$1.05±.01; $M_{\phi\phi}$-0.32±.02; $M_{r\theta}$0.05±.05; $M_{\theta\phi}$0.42±.02; $M_{\phi r}$0.18±.06; Best double couple: NP1:ϕ_s233.00000°,δ52.00000°,λ-121.00000°. NP2:ϕ_s97.00000°,δ47.00000°,λ-56.00000°. Principal axes: T 1.1710,Plg3.0000° ,Azm344.0000°; N -0.3730,Plg24.0000°,Azm253.0000°; P -0.7940,Plg66.0000° ,Azm81.0000° $M_0$0.98200×10^{17}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC I 10 03 07 32.9–5.0 48.49S 125.76E 0 3.6,3.6b
¶610237051
IDC Error ellipse: s-maj=320.8km s-min=81.9km az=101.0.
ISC I 13 12 38 53.1–1.3 49.1S–.20 124.9E–.30 10 4.1b 12 16-145
NEIC I 13 12 38 53.5–1.5 49.1S–.10 125.2E–.50 10–2 4.3b **¶610237296**
IDC I 13 12 38 57.8–3.8 49.20S 125.73E 0 3.9,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=57.1km s-min=8.8km az=286.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=111.2km s-min=66.3km az=105.0.
ISC I 14 06 49 17.1–4.2 50.8S–.60 114E–2.0 10 3.7b 5 16-151
IDC I 14 06 49 14.9–4.0 50.59S 113.66E 0 3.8,3.8b **¶610237343**
ISC Event type ke.
IDC Error ellipse: s-maj=235.7km s-min=26.1km az=109.0.
IDC I 18 13 19 50.0–3.4 49.20S 114.84E 0 3.6,3.6b
¶610237664
IDC Error ellipse: s-maj=342.9km s-min=64.2km az=122.0.
IDC I 18 13 24 27.3–1.7 49.40S 114.19E 0 3.5,3.5b
¶610237665
IDC Error ellipse: s-maj=537.8km s-min=28.7km az=126.0.
ISC I 19 10 15 58.3–.29 49.14S–.05 127.42E–.07 13 5.0b,4.7s 227 15-155
IDC I 19 10 15 56.0–.48 49.13S 127.30E 0 4.7,4.7b **¶610101727**
BJI I 19 10 15 56.2–.00 49.10S 127.50E 5 5.5b,5.0s
GCMT I 19 10 15 58.8–.10 49.07S–.01 127.32E–.01 20–0 5.4W,5.0s
NEIC I 19 10 15 58.8–2.4 49.01S–.09 127.5E–.20 10–1 5.3,5.0b
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s15.43557°,δ82.35127°,λ29.85187°. NP2: ϕ_s281.06741°,δ60.44027°,λ171.19827°. Principal axes: T Plg26.2924°,Azm242.2744° ; N Plg59.2715°,Azm28.4926°; P Plg14.7571°,Azm144.7966°
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s98,c161; s134,c220;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.18±.02 $M_{\theta\theta}$-0.27±.02; $M_{\phi\phi}$0.45±.02; $M_{r\theta}$-0.35±.04; $M_{\theta\phi}$-1.31±.02; $M_{\phi r}$0.07±.04; Best double couple: NP1:ϕ_s98.00000°,δ88.00000°,λ-165.00000°. NP2:ϕ_s8.00000°,δ75.00000°,λ-2.00000°. Principal axes: T 1.4950,Plg9.0000°,Azm232.0000° ; N -0.1790,Plg75.0000°,Azm105.0000°; P -1.3160,Plg12.0000°,Azm324.0000° $M_0$1.40600×10^{17}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.19 $M_{\theta\theta}$-0.21 $M_{\phi\phi}$0.02 $M_{r\theta}$-0.05 $M_{\theta\phi}$-1.09 $M_{\phi r}$-0.26 NP1:ϕ_s183.44000°,δ88.45000°,λ13.92000°. NP2:ϕ_s93.06000°,δ76.09000° ,λ178.40000°. Principal axes: T 1.0318,Plg11.0000°,Azm49.0000°; N 0.1934,Plg76.0000° ,Azm190.0000°; P -1.2252,Plg9.0000°,Azm317.0000° $M_0$1.14000×10^{17}
ISC I 22 12 58 45.0–1.2 49.3S–.10 123.2E–.30 10 3.5b 6 16-146
IDC I 22 12 58 43.3–1.4 49.28S 123.20E 0 3.8,3.6b **¶610235110**
ISC Event type ke.
IDC Error ellipse: s-maj=50.9km s-min=27.8km az=98.0.
ISC I 22 19 03 03.4–.52 51.10S–.08 139.3E–.20 10 4.4b,3.9s 44 14-152
IDC I 22 19 03 01.8–.79 51.08S 139.24E 0 4.3,4.3b **¶610105767**
NEIC I 22 19 03 04.2–2.5 51.07S–.10 139.2E–.30 10–2 4.6b,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC I 23 16 31 02.6–1.4 49.80S 115.14E 0 3.9,3.9b
¶610235209
IDC Error ellipse: s-maj=54.0km s-min=26.6km az=122.0.
IDC I 29 06 54 40.1–4.0 48.54S 120.49E 0 3.7,3.7b
¶610235620
IDC Error ellipse: s-maj=120.7km s-min=72.7km az=123.0.
ISC I 29 08 03 20.6–.37 50.37S–.06 135.34E–.07 10 4.9b,4.8s 162 11-153
IDC I 29 08 03 19.1–.60 50.18S 135.82E 0 4.7s,4.6 **¶610180922**
NEIC I 29 08 03 19.9–1.1 50.33S–.08 135.2E–.10 10–1 4.9b,4.6
GCMT I 29 08 03 21.9–.10 50.26S–.01 135.39E–.01 12 5.3W,4.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s90,c141; s127,c232;Duration: 1s1
Moment tensor: Scale 10^{17}Nm; M_{rr}-0.41±.02 $M_{\theta\theta}$1.02±.01; $M_{\phi\phi}$-0.60±.02; $M_{r\theta}$0.02±.04; $M_{\theta\phi}$0.77±.01; $M_{\phi r}$-0.27±.04; Best double couple: NP1:ϕ_s26.00000°,δ76.00000°,λ-161.00000°. NP2:ϕ_s291.00000°,δ72.00000°,λ-15.00000°. Principal axes: T 1.3320,Plg3.0000° ,Azm158.0000°; N -0.3060,Plg67.0000°,Azm61.0000°; P -1.0230,Plg23.0000° ,Azm249.0000° $M_0$1.17700×10^{17}
IDC I 29 13 20 27.2–1.7 50.95S 136.46E 0 4.3b,4.2 ¶610235646
IDC Error ellipse: s-maj=149.9km s-min=27.1km az=86.0.
ISC I 30 19 08 44.2–.33 48.87S–.06 124.47E–.08 13 4.8b,4.1s 145 16-154
IDC I 30 19 08 42.2–.47 48.84S 124.52E 0 4.7,4.6b **¶610148233**
NEIC I 30 19 08 43.0–2.4 48.87S–.06 124.7E–.20 10–1 4.8b,4.6b
GCMT I 30 19 08 43.0–.20 48.92S–.01 124.73E–.03 17–0 5.0W,4.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s37,c45; s95,c158;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-3.78±.20 $M_{\theta\theta}$2.75±.12; $M_{\phi\phi}$1.03±.13; $M_{r\theta}$0.79±.28; $M_{\theta\phi}$-1.69±.06; $M_{\phi r}$-0.29±.36; Best double couple: NP1:ϕ_s299.00000°,δ51.00000°,λ-93.00000°. NP2:ϕ_s124.00000°,δ39.00000°,λ-86.00000°. Principal axes: T 3.8760,Plg6.0000° ,Azm31.0000°; N 0.0010,Plg2.0000°,Azm301.0000°; P -3.8760,Plg83.0000°,Azm190.0000° $M_0$3.87600×10^{16}
IDC II 12 10 06 58.6–3.6 49.37S 117.51E 0 3.7,3.4b ¶610415369
IDC Error ellipse: s-maj=132.4km s-min=61.7km az=100.0.
IDC II 12 10 10 19.0–2.7 49.33S 117.51E 0 3.9,3.8b ¶610415370
IDC Error ellipse: s-maj=66.2km s-min=58.7km az=130.0.
IDC III 01 18 55 14.3–1.9 49.42S 125.56E 0 3.9,3.8b ¶610545342
IDC Error ellipse: s-maj=108.1km s-min=25.9km az=102.0.
IDC III 01 23 18 50.8–4.5 50.50S 139.51E 0 3.6L,3.5 ¶610545353
IDC Error ellipse: s-maj=201.3km s-min=50.5km az=102.0.
IDC III 09 10 14 01.1–5.1 49.76S 118.30E 0 3.9,3.9b ¶610545871
IDC Error ellipse: s-maj=373.0km s-min=28.4km az=106.0.
IDC III 15 21 00 28.0–3.0 48.74S 124.86E 0 3.8,3.7b ¶610546272
IDC Error ellipse: s-maj=73.4km s-min=47.5km az=155.0.
IDC III 22 13 02 02.2–7.6 48.46S 120.07E 0 3.6,3.6b ¶610543472
IDC Error ellipse: s-maj=794.8km s-min=80.1km az=110.0.
ISC III 25 17 00 38.6–.42 50.29S–.06 139.42E–.08 12 4.7b,4.1s 93 9-152
IDC III 25 17 00 37.6–.68 50.22S 139.06E 0 4.3,4.3b **¶610518414**
NEIC III 25 17 00 38.2–1.9 50.31S–.07 139.4E–.10 10–1 4.7b,4.3b
GCMT III 25 17 00 41.2–.30 50.26S–.01 139.53E–.03 16–1 4.9W,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s15,c16; s87,c121;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-0.45±.15 $M_{\theta\theta}$0.63±.13; $M_{\phi\phi}$-0.18±.14; $M_{r\theta}$1.33±.39; $M_{\theta\phi}$-2.82±.10; $M_{\phi r}$0.68±.34; Best double couple: NP1:ϕ_s268.00000°,δ79.00000°,λ-154.00000°. NP2:ϕ_s173.00000°,δ64.00000°,λ-12.00000°. Principal axes: T 3.1690,Plg10.0000° ,Azm39.0000°; N 0.1360,Plg62.0000°,Azm290.0000°; P -3.3050,Plg26.0000°,Azm133.0000° $M_0$3.23700×10^{16}
ISC IV 01 18 27 29.4–.55 50.48S–.07 120.1E–.20 10 4.4b,3.6s 31 16-149
IDC IV 01 18 27 28.4–.91 50.55S 120.18E 0 4.2,4.2b **¶610651718**
NEIC IV 01 18 27 29.7–2.9 50.48S–.09 120.3E–.20 10–1 4.6b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IV 01 20 01 54.6–11 48.97S 125.55E 0 3.7s,3.7 ¶610651722
IDC Error ellipse: s-maj=258.6km s-min=52.8km az=159.0.
ISC IV 02 04 32 02.5–.43 49.46S–.08 125.3E–.10 10 4.5b,4.5s 59 17-156
IDC IV 02 04 32 01.1–.58 49.40S 125.13E 0 4.4s,4.4 **¶610518420**
NEIC IV 02 04 32 02.5–.89 49.5S–.10 125.4E–.30 10–1 4.6b,4.4
GCMT IV 02 04 32 04.5–.20 49.36S–.01 125.18E–.02 13–0 5.2W,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s54,c69; s111,c188;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-5.16±.21 $M_{\theta\theta}$2.15±.15; $M_{\phi\phi}$3.00±.15; $M_{r\theta}$0.99±.39; $M_{\theta\phi}$-4.45±.11; $M_{\phi r}$2.30±.41; Best double couple: NP1:ϕ_s162.00000°,δ55.00000°,λ-57.00000°. NP2:ϕ_s293.00000°,δ46.00000°,λ-128.00000°. Principal axes: T 7.1370,Plg5.0000° ,Azm229.0000°; N -0.7540,Plg27.0000°,Azm322.0000°; P -6.3930,Plg63.0000° ,Azm129.0000° $M_0$6.76500×10^{16}
ISC IV 03 22 13 52.0–.61 49.61S–.07 117.6E–.20 12 4.6b,3.8s 44 15-149
IDC IV 03 22 13 50.3–.92 49.54S 117.32E 0 4.4,4.4b **¶610651875**
NEIC IV 03 22 13 52.0–.95 49.66S–.07 117.7E–.30 10–1 4.5b,4.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IV 06 18 00 16.5–3.2 49.76S 122.53E 0 3.6,3.6b ¶610652094
IDC Error ellipse: s-maj=83.5km s-min=75.8km az=156.0.
IDC IV 10 17 41 58.5–2.4 49.89S 122.38E 0 3.9,3.8b ¶610652402
IDC Error ellipse: s-maj=57.3km s-min=40.5km az=29.0.
IDC IV 21 09 57 21.3–3.8 49.14S 125.23E 0 3.6,3.5b ¶610653187
IDC Error ellipse: s-maj=129.9km s-min=69.5km az=112.0.
IDC IV 27 08 25 02.0–2.5 49.68S 124.67E 0 3.8,3.7b ¶610650115
IDC Error ellipse: s-maj=112.9km s-min=23.8km az=95.0.
ISC IV 27 19 40 23.4–.51 50.30S–.09 119.7E–.10 10 4.5b,4.3s 84 16-149
IDC IV 27 19 40 23.4–.93 50.01S 119.80E 0 4.2s,4.2 **¶610650155**
NEIC IV 27 19 40 24.6–2.0 50.18S–.08 120.1E–.20 9–3 4.7b,4.2
GCMT IV 27 19 40 24.6–.20 50.14S–.01 119.72E–.04 17–0 5.0W,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s37,c39; s104,c148;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-4.11±.21 $M_{\theta\theta}$3.59±.15; $M_{\phi\phi}$0.52±.13; $M_{r\theta}$-0.41±.34; $M_{\theta\phi}$-0.91±.08; $M_{\phi r}$2.35±.41; Best double couple: NP1:ϕ_s128.00000°,δ57.00000°,λ-65.00000°. NP2:ϕ_s267.00000°,δ41.00000°,λ-123.00000°. Principal axes: T 3.9880,Plg8.0000° ,Azm200.0000°; N 1.1100,Plg21.0000°,Azm293.0000°; P -5.0930,Plg67.0000°,Azm90.0000° $M_0$4.54100×10^{16}
IDC IV 27 19 42 50.8–3.9 50.15S 119.97E 0 4.0,4.0b ¶610650157
IDC Error ellipse: s-maj=168.5km s-min=77.9km az=124.0.
IDC IV 27 19 46 13.6–3.0 49.79S 119.34E 0 3.6,3.6b ¶610650158
IDC Error ellipse: s-maj=139.8km s-min=59.0km az=116.0.
IDC IV 27 19 55 52.7–5.7 49.77S 118.90E 0 3.8s,3.8 ¶610650160
IDC Error ellipse: s-maj=362.2km s-min=67.6km az=106.0.
IDC IV 27 20 01 26.7–3.1 50.00S 119.78E 0 3.6,3.6b ¶610650162
IDC Error ellipse: s-maj=124.3km s-min=32.0km az=101.0.
ISC IV 27 20 44 40.5–.69 50.02S–.09 119.7E–.20 10 4.1b,3.7s 20 16-148
IDC IV 27 20 44 40.4–1.1 50.06S 119.93E 0 3.9,3.9b **¶610650164**
NEIC IV 27 20 44 40.2–1.8 50.02S–.05 119.6E–.40 10–1 4.4b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 28 00 48 46.2–.59 50.61S–.08 116.2E–.20 10 4.7b,4.0s 30 16-150
IDC IV 28 00 48 45.5–.96 50.63S 116.13E 0 4.1,4.1b **¶610650177**
NEIC IV 28 00 48 46.2–2.2 50.65S–.06 116.1E–.30 10–1 4.8b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 28 04 07 23.4–1.1 50.1S–.10 120.2E–.30 10 3.7b,3.5s 9 16-148
IDC IV 28 04 07 21.9–1.2 50.12S 120.17E 0 3.9,3.9b **¶610650188**
ISC Event type ke.
IDC Error ellipse: s-maj=41.4km s-min=21.4km az=95.0.
IDC IV 28 04 09 14.9–3.6 49.97S 120.17E 0 4.1,4.0b ¶610650189
IDC Error ellipse: s-maj=93.2km s-min=54.2km az=169.0.
ISC IV 28 17 25 53.7–.89 50.3S–.10 118.8E–.20 10 4.0b 19 16-149
IDC IV 28 17 25 51.5–.92 50.08S 119.95E 0 4.3s,4.1 **¶610650238**
ISC Event type ke.
IDC Error ellipse: s-maj=39.1km s-min=19.4km az=94.0.
ISC IV 28 17 36 05.3–.69 50.08S–.09 119.8E–.10 10 4.5b 39 16-148
IDC IV 28 17 36 04.3–1.1 50.07S 119.92E 0 4.2s,4.2 **¶610650240**
NEIC IV 28 17 36 06.4–.98 50.1S–.10 119.8E–.30 16–5 4.6b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC V 03 18 04 50.7–1.9 50.12S 136.58E 0 3.7,3.7b ¶610689494
IDC Error ellipse: s-maj=341.9km s-min=24.4km az=82.0.
IDC V 03 18 27 52.4–1.9 50.11S 136.44E 0 3.6,3.6b ¶610689497
IDC Error ellipse: s-maj=239.8km s-min=27.1km az=82.0.
ISC V 04 14 28 09.8–1.2 49.1S–.10 125.3E–.30 10 3.9b,3.4s 8 16-145
IDC V 04 14 28 08.5–1.3 49.08S 125.30E 0 4.1,4.0b **¶610689549**
ISC Event type ke.
IDC Error ellipse: s-maj=45.6km s-min=24.1km az=86.0.
ISC V 15 01 36 38.0–1.2 48.6S–.20 126.2E–.60 10 3.8b,3.3s 6 16-144
IDC V 15 01 36 36.3–1.2 48.63S 126.23E 0 3.8,3.8b **¶610690310**
ISC Event type ke.
IDC Error ellipse: s-maj=90.3km s-min=22.6km az=99.0.
IDC V 17 21 38 28.3–4.2 48.36S 120.61E 0 3.7s,3.6 ¶610690526
IDC Error ellipse: s-maj=125.9km s-min=74.9km az=126.0.
ISC V 18 15 03 54.5–.90 48.9S–.10 123.7E–.30 10 3.9b,3.4s 16 16-146
IDC V 18 15 03 54.2–3.1 48.85S 124.11E 0 3.9,3.7b **¶610690603**
NEIC V 18 15 03 54.5–.39 48.88S–.09 123.6E–.40 10–2 4.3b,3.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 24 00 13 23.4–.69 49.79S–.08 118.1E–.20 10 4.5b,3.9s 29 15-149
IDC V 24 00 13 23.0–.99 49.87S 118.56E 0 4.2,4.2b **¶610685256**
NEIC V 24 00 13 23.4–.79 49.78S–.09 118.0E–.10 10–1 4.6b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 25 06 33 59.0–.34 49.46S–.05 121.40E–.08 10 5.0b,4.4s 167 15-155
BJI V 25 06 33 57.0–.00 49.40S 121.30E 5 5.2b,5.0s **¶610653582**
IDC V 25 06 33 57.1–.54 49.38S 121.44E 0 4.7,4.7b
NEIC V 25 06 33 58.9–1.0 49.44S–.08 121.4E–.20 10–1 5.0b,4.7b
GCMT V 25 06 33 59.9–.20 49.40S–.01 121.54E–.02 19–1 5.2W,4.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s50,c69; s120,c189;Duration: 1s0
Moment tensor: Scale 10^{16}Nm; M_{rr}-0.57±.20 $M_{\theta\theta}$-3.60±.18; $M_{\phi\phi}$4.17±.20; $M_{r\theta}$-1.18±.35; $M_{\theta\phi}$-6.93±.13; $M_{\phi r}$0.86±.37; Best double couple: NP1:ϕ_s284.00000°,δ87.00000°,λ171.00000°. NP2:ϕ_s15.00000°,δ81.00000°,λ3.00000°. Principal axes: T 8.4300,Plg9.0000°,Azm239.0000° ; N -0.7240,Plg80.0000°,Azm89.0000°; P -7.7080,Plg5.0000°,Azm330.0000° $M_0$8.06900×10^{16}
IDC V 28 11 17 57.8–3.8 49.25S 125.74E 0 3.8,3.7b ¶610685552
IDC Error ellipse: s-maj=125.9km s-min=66.3km az=105.0.
IDC VI 02 23 15 47.7–5.7 48.84S 121.74E 0 3.6,3.6b ¶610791128
IDC Error ellipse: s-maj=462.4km s-min=69.5km az=105.0.
ISC VI 04 17 19 21.7–1.0 49.5S–.10 124.9E–.30 10 3.6b 7 17-146
IDC VI 04 17 19 20.3–1.1 49.50S 124.88E 0 3.7s,3.7 **¶610791247**
ISC Event type ke.
IDC Error ellipse: s-maj=53.1km s-min=19.9km az=101.0.
IDC VI 07 21 07 02.5–2.7 49.78S 126.51E 0 3.8,3.7b ¶610791420
IDC Error ellipse: s-maj=115.2km s-min=25.8km az=94.0.
ISC VI 08 11 16 44.0–.59 49.97S–.07 127.2E–.20 10 4.6b,3.7s 30 18-145
IDC VI 08 11 16 41.6–.87 49.97S 126.98E 0 4.5,4.5b **¶610791463**
NEIC VI 08 11 16 44.8–2.4 50.0S–.10 127.0E–.30 10–2 4.5b,4.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 20 04 15 12.3–2.4 49.6S–.20 116.0E–.60 10 3.8b 7 15-150
IDC VI 20 04 15 11.4–2.5 49.62S 116.18E 0 3.8,3.8b **¶610789136**
ISC Event type ke.
IDC Error ellipse: s-maj=99.3km s-min=27.9km az=104.0.

SEISMIC REGION 34.
Eastern North America.

(443) Northern Quebec.

ISC IV 03 12 22 42.1–.81 60.31N–.05 70.10W–.08 10 2.9b 32 4-38
IDC IV 03 12 22 43.1–.95 60.27N 70.76W 0 3.2,3.0b **¶610478091**
OTT IV 03 12 22 45.3–.11 60.35N 69.93W 18 3.7,3.0b
ISC Event type ke.
IDC Error ellipse: s-maj=21.9km s-min=9.8km az=78.0.
OTT Event type ke. Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. 37km northeast from Kangirsuk, Qc Boothia Ungava Seismic Zone.

(444) Davis Strait.

ISC V 10 22 33 42.5–.88 60.44N–.06 58.21W–.07 10 20 4-11
OTT V 10 22 33 44.2–.69 60.63N 58.00W 18 3.7L **¶612417931**
DNK V 10 22 33 52.8–3.9 60.80N 57.78W 0–146 2.2L
ISC Event type ke.
OTT Event type ke. Error ellipse: s-maj=3.3km s-min=5.5km az=-1.0. 376km east from Killiniq, Qc LAlbertaRADOR Sea Seismic Zone.
DNK Error ellipse: s-maj=89.1km s-min=228.4km az=-1.0.
ISC VI 19 04 44 39.9–.92 60.10N–.06 56.09W–.06 10 26 5-13
OTT VI 19 04 44 44.4–.30 60.12N 55.99W 18 3.2L **¶612418643**
DNK VI 19 04 44 45.2–3.9 60.18N 55.80W 18 2.1L
ISC Event type ke.
OTT Event type ke. Error ellipse: s-maj=2.2km s-min=2.8km az=-1.0. 451km northeast from Nutak, Nl.
DNK Error ellipse: s-maj=15.1km s-min=22.8km az=-1.0.

(446) Labrador Sea.

OTT VI 29 14 19 09.4–.47 57.03N 52.19W 18 3.6L ¶612418822
OTT Event type ke. Error ellipse: s-maj=2.2km s-min=2.4km az=-1.0. LAlbertaRADOR Sea Seismic Zone. 482km northeast from Aillik, Nl.

(456) Montana.

NEIC I 12 04 59 00.4–2.0 45.86N–.05 111.71W–.03 16–4
BUT I 12 04 59 00.1–2.1 45.84N–.03 111.70W–.06 18–5 3.5L,3.3L **¶610570629**

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BUT Event type se. hypocenter. manual.
ISC III 13 03 02 22.1–.82 46.58N–.04 112.57W–.04 10 84 1-16
IDC III 13 03 02 20.5–1.1 46.53N 112.53W 0 3.3L,2.7 **¶610326086**
NEIC III 13 03 02 23.0–1.8 46.60N–.03 112.51W–.04 10–6 3.8L,3.5L
BUT III 13 03 02 24.0–1.6 46.57N–.04 112.55W–.05 20–7 3.8L,3.5L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BUT Event type se. hypocenter. manual.

(457) Eastern Idaho.

ISC II 06 00 30 29.9–.70 42.71N–.02 111.74W–.03 10 88 0-15
IDC II 06 00 30 27.1–.76 42.72N 111.77W 0 2.9,2.8L **¶610197725**
NEIC II 06 00 30 29.0–1.2 42.69N–.02 111.71W–.03 3–8 3.4L,2.8L
ANF II 06 00 30 31.0–2.0 42.72N 111.72W 15–15 3.5L,2.8L
ISC Event type se.
IDC Error ellipse: s-maj=10.4km s-min=5.6km az=167.0.
NEIC Event type se. Error ellipse: s-maj=4.3km s-min=2.2km az=125.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ANF Error ellipse: s-maj=4.5km s-min=3.3km az=79.0.

(458) Hebgen Lake region, Montana.

UUSS VI 12 16 46 37.1–.87 44.79N–.02 111.03W–.04 11–5 2.9L,2.6L
NEIC VI 12 16 46 37.8–1.0 44.79N–.02 111.03W–.05 15–3 2.9L,2.6L **¶610670989**
UUSS Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
UUSS VI 16 01 02 52.8–1.7 44.78N–.02 111.03W–.05 9–3 2.7L,2.5L
NEIC VI 16 01 02 53.7–1.4 44.79N–.02 111.01W–.05 13–1 2.7L,2.5L **¶610675488**
UUSS Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(459) Yellowstone region.

ISC VI 16 00 48 48.4–.86 44.78N–.02 110.97W–.02 4–6 4.3b,3.8s 339 0-124
NEIC VI 16 00 48 46.9 44.78N 111.03W 9 4.3b,3.8s **¶610675485**
UUSS VI 16 00 48 46.9–1.6 44.781N–.01 111.03W–.02 9–3 4.4L,4.4
NEIC VI 16 00 48 48.3–1.3 44.77N–.02 111.06W–.03 8–4 4.4L,4.4
IDC VI 16 00 48 48.0–.42 44.74N 110.93W 0 4.1,4.1b
ANF VI 16 00 48 49.0–.12 44.85N 110.98W 0 4.7L,4.1b
ISC Event type se.
NEIC Event type se.
UUSS Event type se. Error ellipse: s-maj=2.4km s-min=1.3km az=98.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=3.2km s-min=2.3km az=55.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-2.02 $M_{\theta\theta}$4.17 $M_{\phi\phi}$-2.15 $M_{r\theta}$-2.40
$M_{\theta\phi}$-1.03 $M_{\phi r}$-1.77 NP1:ϕ_s64.37000°,δ73.38000°,λ-131.08000°. NP2:ϕ_s316.21000°
,δ43.76000°,λ-24.43000°. Principal axes: T 5.0150,Plg18.0000°,Azm184.0000°
; N -0.4737,Plg39.0000°,Azm78.0000°; P -4.5413,Plg45.0000°,Azm293.0000°
$M_0$4.80000×10^{15}
IDC Error ellipse: s-maj=9.3km s-min=7.3km az=98.0.
ANF Error ellipse: s-maj=2.7km s-min=1.6km az=47.0.

(471) Ohio.

ISC IV 02 11 58 12.0–1.1 39.66N–.02 81.23W–.02 3–9 112 0-9
NEIC IV 02 11 58 12.4–1.9 39.66N–.02 81.243W–.01 4–7 3.0,2.7L **¶610470182**
ANF IV 02 11 58 12.4–.33 39.65N 81.22W 4 3.5L,2.7L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=2.8km s-min=0.7km az=165.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ANF Error ellipse: s-maj=3.8km s-min=2.9km az=82.0.
ISC V 24 16 24 04.5–.00 39.24N–.02 82.48W–.01 8–8 268 0-10
ANF V 24 16 24 04.5–.41 39.25N 82.48W 6–2 4.1L **¶610651508**
OGSO V 24 16 24 05–1.6 39.22N–.03 82.49W–.03 20–7 4.1L
NEIC V 24 16 24 05.2–1.1 39.23N–.04 82.48W–.05 10–8 4.0L,3.6L
ISC Event type se.
OGSO Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 03 03 08 40.2–.61 39.93N–.01 81.33W–.01 10 313 0-11
ANF VI 03 03 08 40.0–.55 39.91N 81.26W 7–4 4.2L **¶610660631**
NEIC VI 03 03 08 40.0–1.2 39.92N–.02 81.29W–.02 2–6 3.6L,3.5L
NEIC VI 03 03 08 40 39.91N 81.31W 10 3.6L,3.5L
LDO VI 03 03 08 41.2–1.3 39.91N–.02 81.32W–.02 5–2 3.6L,3.5L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}0.32 $M_{\theta\theta}$0.37
$M_{\phi\phi}$-0.69 $M_{r\theta}$-0.63 $M_{\theta\phi}$1.24 $M_{\phi r}$-0.20 NP1:ϕ_s188.00000°,δ66.00000°,λ164.00000°. NP2:
ϕ_s285.00000°,δ75.00000°,λ25.00000°. Principal axes: T 1.5297,Plg28.0000°,Azm148.0000°
; N 0.0000,Plg61.0000°,Azm314.0000°; P -1.5297,Plg6.0000°,Azm55.0000°
$M_0$1.53000×10^{14}
LDO Event type se. hypocenter. manual.

(478) Utah.

NEIC I 12 20 40 35.9–1.1 37.57N–.02 113.70W–.03 4–10
UUSS I 12 20 40 35.9–.97 37.58N–.02 113.72W–.04 1–2 2.6L,2.5L **¶610570643**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
UUSS Event type se. hypocenter. manual.
NEIC I 17 19 46 44.4–1.8 37.40N–.01 113.20W–.02 12–5
UUSS I 17 19 46 45.0–2.2 37.41N–.01 113.21W–.02 13–4 2.8L,2.5L **¶610100806**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
UUSS Event type se. hypocenter. manual.
ISC III 01 08 34 47.0–.76 38.02N–.02 112.49W–.02 10 88 0-6
UUSS III 01 08 34 46.5–1.2 38.03N–.01 112.47W–.02 5–6 3.0L,3.0L **¶610242104**
ANF III 01 08 34 46.7–.32 38.03N 112.45W 5 3.2L,3.0L
NEIC III 01 08 34 46.7–1.2 38.014N–.01 112.49W–.02 1–8 3.2L,3.0L
ISC Event type se.
UUSS Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 05 19 14 49.8–.83 37.75N–.02 113.13W–.02 10 67 0-25
NEIC III 05 19 14 49.5–1.7 37.75N–.01 113.14W–.02 5–10 **¶610245490**
UUSS III 05 19 14 49.5–1.6 37.76N–.01 113.15W–.02 4–7 3.4L,3.3L
IDC III 05 19 14 50.9–.90 37.93N 113.05W 0 3.1L,3.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=2.7km s-min=1.4km az=114.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
UUSS Event type se. Error ellipse: s-maj=2.6km s-min=2.1km az=97.0. hypocenter. manual.
IDC Error ellipse: s-maj=12.1km s-min=7.8km az=32.0.
ISC III 18 01 09 01.9–.80 37.60N–.02 110.46W–.02 10 77 1-6
UUSS III 18 01 09 01.9–1.7 37.58N–.04 110.42W–.05 -2–7 2.9L,2.8L **¶610344633**
ANF III 18 01 09 02.5–1.4 37.60N 110.39W 5–11 3.1L,2.8L
NEIC III 18 01 09 02.2–1.7 37.61N–.04 110.45W–.05 1–7 3.1L,2.8L
ISC Event type se.
UUSS Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC IV 14 05 28 07.9–1.7 38.93N–.02 111.87W–.01 6–5
UUSS IV 14 05 28 07.9–1.6 38.93N–.02 111.88W–.02 11–7 2.5L,2.5L **¶610528148**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
UUSS Event type se. hypocenter. manual.

ISC IV 22 04 01 41.6–.88 37.31N–.04 109.57W–.04 10 98 1-9
IDC IV 22 04 01 40.0–1.0 37.42N 109.47W 0 3.4L,2.8 **¶610547213**
UUSS IV 22 04 01 41.7–2.0 37.25N–.03 109.57W–.04 9–7 3.8L,3.5L
NEIC IV 22 04 01 42.6–1.5 37.31N–.03 109.54W–.04 9–7 3.8L,3.5L
ISC Event type se.
UUSS Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC VI 16 09 55 29.9–1.2 39.86N–.01 112.090W–.01 5–2
UUSS VI 16 09 55 30.1–1.3 39.86N–.01 112.080W–.01 6–6 2.7L,2.6L **¶610678618**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
UUSS Event type se. hypocenter. manual.

(479) Colorado.

NEIC I 20 04 05 59.6–2.4 39.11N–.02 107.25W–.02 5–1 2.3L
¶610570744
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 30 20 46 37.1–1.2 39.53N–.02 107.56W–.02 7–10 127 1-23
IDC I 30 20 46 35.2–2.1 39.91N 107.02W 0 3.3b,3.0 **¶610148235**
NEIC I 30 20 46 37.4–1.2 39.54N–.02 107.59W–.04 5–1 3.3L,3.0
ANF I 30 20 46 38.2–.38 39.67N 107.56W 0 3.2L,3.0
ISC Event type se.
IDC Error ellipse: s-maj=26.0km s-min=14.1km az=86.0.
NEIC Event type se. Error ellipse: s-maj=5.3km s-min=4.3km az=96.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ANF Error ellipse: s-maj=4.1km s-min=3.3km az=43.0.
NEIC III 17 19 37 03.7–.38 40.45N–.01 104.66W–.02 8–1 1.8L
¶611149281
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC III 27 06 16 56.4–.37 40.449N–.00 104.65W–.01 8–2 1.9L
¶611149352
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 20 09 44 55.7–1.3 40.66N–.02 107.90W–.02 5–11 88 1-22
IDC IV 20 09 44 51.0–1.4 40.76N 107.41W 0 3.3L,2.8 **¶610544355**
ANF IV 20 09 44 55.8–.23 40.73N 107.90W 0 4.0L,2.8
NEIC IV 20 09 44 57.0–1.6 40.68N–.02 107.88W–.03 13–8 3.8L,3.5
NEIC IV 20 09 44 57.5 40.69N 107.88W 5 3.8L,3.5
ISC Event type se.
IDC Error ellipse: s-maj=23.3km s-min=8.8km az=66.0.
ANF Error ellipse: s-maj=3.3km s-min=2.1km az=100.0.
NEIC Event type se. Error ellipse: s-maj=3.9km s-min=2.4km az=147.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}0.33 $M_{\theta\theta}$-0.57 $M_{\phi\phi}$0.24 $M_{r\theta}$0.77 $M_{\theta\phi}$-2.14
$M_{\phi r}$-0.28 NP1:ϕ_s186.69000°,δ69.18000°,λ8.24000°. NP2:ϕ_s93.74000°,δ82.30000°
,λ158.98000°. Principal axes: T 2.2796,Plg20.0000°,Azm48.0000°; N 0.1302,Plg68.0000°
,Azm255.0000°; P -2.4098,Plg9.0000°,Azm142.0000° $M_0$2.35000×10^{14}
NEIC Event type se.
ISC IV 22 17 48 41.9–.66 40.14N–.03 108.92W–.02 10 161 1-23
IDC IV 22 17 48 40.0–1.7 40.31N 108.43W 0 2.7,2.6b **¶610547330**
NEIC IV 22 17 48 41.0–2.1 40.10N–.02 108.77W–.02 6–5 3.8L,3.7L
NEIC IV 22 17 48 40.3 40.10N 108.77W 2 3.8L,3.7L
ANF IV 22 17 48 42.0–.83 40.15N 108.84W 3–6 3.8L,3.7L
UUSS IV 22 17 48 41.2–1.6 40.11N–.02 108.84W–.04 7–5 3.8L,3.7L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}-0.26 $M_{\theta\theta}$1.84 $M_{\phi\phi}$-1.58 $M_{r\theta}$0.10
$M_{\theta\phi}$-0.53 $M_{\phi r}$0.83 NP1:ϕ_s236.37000°,δ72.10000°,λ-162.33000°. NP2:ϕ_s140.77000°
,δ73.21000°,λ-18.73000°. Principal axes: T 1.9193,Plg1.0000°,Azm189.0000°
; N 0.1301,Plg65.0000°,Azm280.0000°; P -2.0494,Plg25.0000°,Azm98.0000°
$M_0$1.99000×10^{14}
NEIC Event type se.
UUSS Event type se. hypocenter. manual.
ISC V 03 07 42 00.8–1.2 40.16N–.02 108.83W–.02 4–12 69 0-5
ANF V 03 07 41 59.5–.68 40.16N 108.89W 11–5 3.7L **¶610593231**
UUSS V 03 07 42 00.9–2.5 40.12N–.01 108.84W–.04 7–6 3.3L,3.2L
NEIC V 03 07 42 01.6–2.1 40.12N–.02 108.86W–.02 1–6 3.3L,3.2L
ISC Event type se.
UUSS Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 11 08 58 56.4–.82 37.10N–.03 104.96W–.03 10 39 0-10
NEIC VI 11 08 58 55.7–.99 37.05N–.04 104.98W–.03 5–2 3.1,2.9L **¶610669623**
ANF VI 11 08 58 55.7–.25 37.08N 104.96W 5 3.4L,2.9L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=7.8km s-min=3.4km az=20.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ANF Error ellipse: s-maj=3.5km s-min=2.2km az=179.0.
ISC VI 17 06 42 07.8–.63 37.11N–.03 104.94W–.02 10 118 0-17
IDC VI 17 06 42 06.5–1.1 37.06N 105.08W 0 3.6L,3.4 **¶610678743**
ANF VI 17 06 42 07.0–.21 37.08N 104.95W 1 4.0L,3.4
NEIC VI 17 06 42 07.7–1.5 37.04N–.05 104.90W–.05 2–11 3.6L,3.5
NEIC VI 17 06 42 07.5 37.03N 104.91W 1 3.6L,3.5
ISC Event type se.
IDC Error ellipse: s-maj=18.2km s-min=10.0km az=87.0.
ANF Error ellipse: s-maj=2.3km s-min=2.2km az=10.0.
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=6.1km az=163.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}-1.15 $M_{\theta\theta}$0.67 $M_{\phi\phi}$0.48 $M_{r\theta}$-0.13
$M_{\theta\phi}$-1.32 $M_{\phi r}$1.17 NP1:ϕ_s280.93000°,δ39.73000°,λ-143.53000°. NP2:ϕ_s161.32000°
,δ67.67000°,λ-56.24000°. Principal axes: T 2.1567,Plg16.0000°,Azm227.0000°
; N -0.2773,Plg31.0000°,Azm327.0000°; P -1.8794,Plg54.0000°,Azm114.0000°
$M_0$2.03000×10^{14}
NEIC Event type se.

(480) Kansas.

ISC I 31 11 08 43.5–1.1 38.01N–.02 98.00W–.03 7–10 74 1-8
ANF I 31 11 08 43.8–1.1 38.06N 97.97W 6–8 3.6L **¶610159180**
NEIC I 31 11 08 43.5–.94 38.02N–.01 97.97W–.03 7–7 3.0L,2.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 08 22 20 43.1–1.0 37.04N–.02 97.38W–.02 5–8 94 0-9
NEIC II 08 22 20 43.4–.50 37.05N–.02 97.38W–.01 4–4 3.2L,3.0 **¶610205751**
ANF II 08 22 20 43.2–.22 37.03N 97.39W 5 3.6L,3.0
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=2.6km s-min=0.8km az=204.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ANF Error ellipse: s-maj=3.5km s-min=2.3km az=0.0.
ISC II 12 16 31 49.2–1.1 37.37N–.02 98.16W–.02 1–10 77 0-40
IDC II 12 16 31 49.6–2.5 37.49N 98.04W 0 4.1L,3.4b **¶610208522**
ANF II 12 16 31 49.1–.29 37.36N 98.16W 2 3.8L,3.4b
NEIC II 12 16 31 50.2–.54 37.37N–.02 98.14W–.01 2–4 3.8L,3.4b
NEIC II 12 16 31 50.1–.73 37.36N–.01 98.12W–.02 6–4 3.3L,3.1L
ISC Event type se.
NEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 13 21 39 59.1–.95 37.05N–.02 97.36W–.02 7–7 124 0-9
NEIC II 13 21 39 58.9–.72 37.07N–.02 97.38W–.02 8–2 3.6L,3.3L **¶610209173**
ANF II 13 21 39 59.0–.23 37.06N 97.36W 5 4.0L,3.3L
NEIC II 13 21 40 00–.81 37.05N–.01 97.37W–.02 5–2 4.0L,3.3L

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. hypocenter. manual.
ISC II 18 10 29 59.4–1.1 37.30N–.03 98.18W–.03 6–9 58 0-5
ANF II 18 10 29 59.2–.33 37.30N 98.18W 5 2.8L **¶611149048**
NEIC II 18 10 29 59.3–.98 37.30N–.02 98.18W–.01 5–2 2.5L,2.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 22 16 31 46.4–.77 37.24N–.02 97.98W–.02 9–4 136 0-40
IDC II 22 16 31 46.3–.90 37.38N 98.13W 0 4.3L,3.6 **¶610240045**
ANF II 22 16 31 46.7–.42 37.27N 97.96W 5 4.3L,3.6
NEIC II 22 16 31 46.7–.63 37.23N–.02 97.98W–.01 4–3 3.7L,3.4L
NEIC II 22 16 31 47.4–.92 37.21N–.02 97.98W–.02 4–4 3.7L,3.4L
ISC Event type se.
NEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 09 23 49 28.2–.77 37.07N–.02 97.99W–.02 11–5 120 0-13
ANF III 09 23 49 28.0–.42 37.07N 97.98W 7–3 4.0L **¶610316815**
IDC III 09 23 49 27.9–1.0 37.10N 98.01W 0 3.8L,3.4
NEIC III 09 23 49 28.1–.90 37.07N–.02 97.98W–.02 8–2 3.5L,3.2L
NEIC III 09 23 49 28.3–.94 37.07N–.02 97.99W–.02 8–5 3.5L,3.2L
ISC Event type se.
NEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 14 08 32 34.1–1.2 37.28N–.03 98.17W–.03 3–10 49 0-7
ANF III 14 08 32 34.0–.38 37.29N 98.17W 5 2.7L **¶611149243**
NEIC III 14 08 32 34.4–.90 37.27N–.03 98.16W–.02 5–2 2.5L,2.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 30 08 32 49.8–1.2 37.38N–.03 97.38W–.02 5–10 67 0-9
NEIC III 30 08 32 49.3–.46 37.38N–.02 97.40W–.02 4–2 3.3L,2.9 **¶610452511**
ANF III 30 08 32 49.9–.15 37.38N 97.38W 5 3.6L,2.9
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=2.6km s-min=2.1km az=166.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ANF Error ellipse: s-maj=2.8km s-min=1.7km az=38.0.
ISC IV 04 17 54 33.3–3.3 39.73N–.03 98.13W–.04 9–23 135 1-38
IDC IV 04 17 54 33.2–.90 39.84N 98.15W 0 3.7,3.7L **¶610482629**
NEIC IV 04 17 54 35.4–.79 39.76N–.03 98.19W–.05 15–8 3.4,3.7L
ANF IV 04 17 54 36.1–.53 39.70N 98.08W 15 4.2L,3.7L
ISC Event type se.
IDC Error ellipse: s-maj=13.1km s-min=9.2km az=104.0.
NEIC Event type se. Error ellipse: s-maj=6.1km s-min=3.4km az=105.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ANF Error ellipse: s-maj=6.8km s-min=5.0km az=101.0.
NEIC IV 05 10 36 34.3–.80 39.75N–.02 98.16W–.02 14–8 2.8
¶610484885
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 06 16 01 43.2–1.2 39.76N–.03 98.13W–.04 26–15 119 1-12
ANF IV 06 16 01 43.1–.45 39.75N 98.19W 15 3.7L **¶610514477**
NEIC IV 06 16 01 43.5–1.0 39.74N–.01 98.16W–.04 14–8 3.0
IDC IV 06 16 01 43.6–1.6 39.88N 98.55W 0 3.4,2.9L
ISC Event type se.
ANF Error ellipse: s-maj=7.2km s-min=4.0km az=114.0.
NEIC Event type se. Error ellipse: s-maj=4.3km s-min=0.8km az=111.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=30.5km s-min=10.3km az=107.0.
ISC IV 07 00 13 18.0–.87 39.74N–.03 98.15W–.03 10 129 1-11
ANF IV 07 00 13 18.7–.37 39.73N 98.17W 15 3.9L **¶610518281**
NEIC IV 07 00 13 19.0–.62 39.75N–.02 98.18W–.02 14–8 3.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 07 20 08 34.0–1.3 39.74N–.03 98.12W–.04 6–10 3.0b 140 1-87
IDC IV 07 20 08 34.5–1.2 39.88N 98.32W 0 3.4,3.3b **¶610521454**
NEIC IV 07 20 08 35.7–.79 39.75N–.03 98.13W–.04 13–8 3.3,3.3b
ANF IV 07 20 08 35.4–.34 39.76N 98.11W 13 4.1L,3.3b
ISC Event type se.
IDC Error ellipse: s-maj=21.7km s-min=10.3km az=106.0.
NEIC Event type se. Error ellipse: s-maj=4.7km s-min=3.2km az=124.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ANF Error ellipse: s-maj=3.8km s-min=2.9km az=95.0.
ISC IV 08 05 15 27.3–2.3 39.73N–.03 98.14W–.04 6–18 111 1-9
ANF IV 08 05 15 29.2–.55 39.68N 98.12W 14 3.6L **¶610521478**
NEIC IV 08 05 15 29.1–.88 39.74N–.02 98.15W–.02 14–7 2.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 14 04 24 54.9–.80 37.23N–.02 97.88W–.02 6–5 89 0-16
ANF IV 14 04 24 54.9–.39 37.22N 97.89W 4 3.5L **¶610528017**
NEIC IV 14 04 24 55.0–.97 37.23N–.02 97.87W–.02 4–5 3.0L,2.9L
NEIC IV 14 04 24 55.1–1.0 37.22N–.02 97.88W–.02 6–4 3.0L,2.9L
IDC IV 14 04 24 56.5–3.4 37.42N 98.24W 0 3.4L,2.8
ISC Event type se.
ANF Error ellipse: s-maj=4.0km s-min=3.3km az=177.0.
NEIC Event type se. Error ellipse: s-maj=3.0km s-min=2.0km az=146.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=3.9km s-min=1.9km az=152.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=38.4km s-min=17.4km az=81.0.
ISC V 04 23 36 47.8–.73 37.24N–.02 97.87W–.02 10–4 4.2b 122 0-72
IDC V 04 23 36 47.0–.93 37.40N 97.99W 0 3.8,3.8b **¶610598523**
NEIC V 04 23 36 48.0–.40 37.228N–.01 97.87W–.01 4–2 3.9L,3.7L
ANF V 04 23 36 48.2–.31 37.20N 97.89W 0 4.5L,3.7L
NEIC V 04 23 36 48.5–.37 37.24N–.01 97.87W–.01 3–4 4.5L,3.7L
ISC Event type se.
NEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 10 10 52 28.6–.89 37.38N–.02 97.75W–.02 10–6 127 0-9
ANF V 10 10 52 28.1–.37 37.41N 97.76W 5 3.5L **¶610619354**
NEIC V 10 10 52 28.5–.41 37.36N–.02 97.751W–.01 5–2 3.2L,2.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 19 07 32 50.0–.96 37.24N–.02 97.98W–.02 4–7 96 0-10
NEIC V 19 07 32 49.6–.60 37.24N–.02 97.98W–.02 4–4 3.5L,3.4L **¶610643031**
ANF V 19 07 32 50.4–.31 37.23N 97.99W 0 4.2L,3.4L
NEIC V 19 07 32 50.4–.44 37.23N–.01 97.97W–.01 2–5 4.2L,3.4L
ISC Event type se.
NEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 21 04 54 23.9–2.7 39.75N–.03 98.12W–.03 11–18 3.6b 146 1-79
IDC V 21 04 54 22.8–.71 39.76N 98.17W 0 4.2L,3.7 **¶610646020**
NEIC V 21 04 54 25.4–1.5 39.76N–.04 98.14W–.05 16–6 3.4,3.7
ANF V 21 04 54 25.5–1.2 39.74N 98.15W 19–8 4.3L,3.7
ISC Event type se.
IDC Error ellipse: s-maj=9.9km s-min=9.6km az=50.0.
NEIC Event type se. Error ellipse: s-maj=6.4km s-min=4.4km az=143.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ANF Error ellipse: s-maj=3.3km s-min=3.0km az=71.0.
ISC V 23 16 16 55.0–.83 39.73N–.03 98.17W–.03 10 56 1-9
ANF V 23 16 16 55.3–.27 39.72N 98.13W 5 3.7L **¶610650683**
NEIC V 23 16 16 56.0–.57 39.74N–.02 98.16W–.06 5–2 2.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 01 18 26 39.8–.96 37.24N–.03 97.99W–.02 5–7 152 0-9
NEIC VI 01 18 26 39.7–.62 37.24N–.02 97.98W–.02 5–4 3.8L,3.6L **¶610657918**
ANF VI 01 18 26 39.4–.46 37.25N 97.99W 1–3 4.3L,3.6L
NEIC VI 01 18 26 40.5–.55 37.22N–.02 97.98W–.02 3–4 4.3L,3.6L
ISC Event type se.
NEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC VI 01 20 48 07.2–.76 37.46N–.02 97.49W–.02 5–2 3.1L,2.7
¶611150948
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 03 20 29 19.4–1.7 39.73N–.04 98.17W–.04 1–14 88 1-10
NEIC VI 03 20 29 20.7–1.7 39.76N–.03 98.18W–.06 5–2 3.0 **¶610661277**
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 10 06 26 10.7–.87 37.25N–.03 97.99W–.03 6–5 136 0-11
ANF VI 10 06 26 10.6–.26 37.24N 97.98W 4 4.3L **¶610669155**
NEIC VI 10 06 26 10.9–1.2 37.23N–.04 97.99W–.05 4–7 3.9L,3.7L
NEIC VI 10 06 26 11.9–.95 37.24N–.04 97.96W–.06 4–7 3.9L,3.7L
ISC Event type se.
NEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 12 11 18 33.2–1.3 39.72N–.03 98.14W–.03 4–9 4.2b 161 1-65
IDC VI 12 11 18 32.9–.68 39.73N 98.20W 0 4.1b,4.0 **¶610670110**
NEIC VI 12 11 18 34.4–.55 39.75N–.02 98.17W–.07 5–2 3.8,3.7
NEIC VI 12 11 18 34.5 39.74N 98.14W 5 3.8,3.7
ANF VI 12 11 18 36.7–.89 39.71N 98.16W 30–8 4.6L,3.7
ISC Event type se.
IDC Error ellipse: s-maj=11.0km s-min=9.7km az=114.0.
NEIC Event type se. Error ellipse: s-maj=9.7km s-min=3.0km az=111.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}-4.22 $M_{\theta\theta}$1.74 $M_{\phi\phi}$2.48 $M_{r\theta}$0.32 $M_{\theta\phi}$-1.83 $M_{\phi r}$-0.21 NP1:ϕ_s142.15000°,δ42.50000°,λ-87.82000°. NP2:ϕ_s319.19000°,δ47.54000°,λ-92.00000°. Principal axes: T 3.9978,Plg3.0000°,Azm51.0000°; N 0.2429,Plg1.0000°,Azm321.0000°; P -4.2407,Plg87.0000°,Azm200.0000° $M_0$4.12000×10^{14}
NEIC Event type se.
ANF Error ellipse: s-maj=2.5km s-min=2.3km az=142.0.
ISC VI 12 11 32 05.7–1.4 39.73N–.03 98.15W–.04 0–13 81 1-10
NEIC VI 12 11 32 06.4–1.2 39.73N–.02 98.14W–.03 5–2 3.2 **¶610670113**
ANF VI 12 11 32 49.0–.78 39.71N 98.19W 5 3.2
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=4.8km s-min=3.0km az=320.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ANF Error ellipse: s-maj=11.6km s-min=6.0km az=122.0.
ISC VI 12 11 32 47.2–.53 39.77N–.03 98.15W–.03 10 4.2b 164 1-87
ANF VI 12 11 32 06.7–.31 39.72N 98.17W 5 4.4L,4.4L **¶617208109**
NEIC VI 12 11 32 47.4–1.1 39.74N–.02 98.12W–.07 5–2 3.7,4.4L
IDC VI 12 11 32 47.8–.69 39.75N 98.14W 0 4.0,4.0b
ISC Event type se.
ANF Error ellipse: s-maj=4.2km s-min=3.0km az=113.0.
NEIC Event type se. Error ellipse: s-maj=8.8km s-min=3.1km az=100.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=12.4km s-min=10.5km az=89.0.
ISC VI 13 09 40 37.3–1.2 39.74N–.03 98.17W–.04 10–8 4.1b 267 1-79
IDC VI 13 09 40 36.8–.74 39.74N 98.11W 0 3.9,3.9b **¶610672775**
ANF VI 13 09 40 37.8–.26 39.70N 98.18W 5 4.8L,3.9b
NEIC VI 13 09 40 37.5–1.7 39.74N–.02 98.16W–.04 5–1 4.1b,3.9
NEIC VI 13 09 40 38 39.74N 98.18W 5 4.1b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=12.8km s-min=10.3km az=106.0.
ANF Error ellipse: s-maj=3.5km s-min=2.6km az=113.0.
NEIC Event type se. Error ellipse: s-maj=5.6km s-min=3.7km az=108.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}-3.70 $M_{\theta\theta}$2.02 $M_{\phi\phi}$1.69 $M_{r\theta}$0.63 $M_{\theta\phi}$-1.44 $M_{\phi r}$0.14 NP1:ϕ_s304.56000°,δ48.51000°,λ-99.38000°. NP2:ϕ_s138.56000°,δ42.34000°,λ-79.56000°. Principal axes: T 3.3245,Plg3.0000°,Azm41.0000°; N 0.4637,Plg7.0000°,Azm311.0000°; P -3.7882,Plg82.0000°,Azm155.0000° $M_0$3.58000×10^{14}
NEIC Event type se.
ISC VI 19 07 02 37.3–1.3 39.77N–.03 98.22W–.04 4–12 70 1-9
ANF VI 19 07 02 37.8–.29 39.75N 98.19W 5 3.7L **¶610681635**
NEIC VI 19 07 02 37.3–1.3 39.79N–.04 98.23W–.05 5–2 2.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC VI 20 03 13 31.6–.52 37.53N–.02 97.14W–.01 5–1 2.8L,2.6
¶610681919
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 20 22 14 57.2–1.1 37.29N–.02 98.13W–.02 6–8 97 0-9
ANF VI 20 22 14 56.7–.32 37.29N 98.13W 3 3.9L **¶610686642**
NEIC VI 20 22 14 57.6–.55 37.28N–.04 98.13W–.04 3–7 3.3L,3.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 22 12 44 51.1–.84 37.25N–.02 97.98W–.02 8–5 83 0-13
IDC VI 22 12 44 49.7–.98 37.49N 98.10W 0 4.1,2.5L **¶610693717**
ANF VI 22 12 44 50.5–.44 37.23N 98.00W 2–3 4.6L,2.5L
NEIC VI 22 12 44 51.2–.31 37.23N–.02 97.97W–.02 4–2 3.9L,3.7L
NEIC VI 22 12 44 51.5–.48 37.24N–.02 97.98W–.01 5–1 3.9L,3.7L
ISC Event type se.
NEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC VI 23 19 59 47.3–.81 37.27N–.01 98.11W–.01 6–0 2.6L,2.5
¶610694329
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 25 12 58 21.0–1.1 37.60N–.02 97.81W–.03 3–10 62 0-10
ANF VI 25 12 58 21.6–.26 37.59N 97.81W 5 3.2L **¶611189146**
NEIC VI 25 12 58 21.1–.98 37.61N–.02 97.80W–.02 5–2 2.8L,2.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 25 15 42 06.6–1.1 37.58N–.02 97.82W–.03 6–10 73 0-8
ANF VI 25 15 42 06.5–.26 37.58N 97.81W 4 3.1L **¶611189150**
NEIC VI 25 15 42 07.2–.51 37.57N–.02 97.81W–.01 4–5 2.8L,2.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(484) Missouri-Arkansas border region.

ISC VI 11 12 40 24.6–1.0 36.37N–.03 93.01W–.02 6–8 173 0-43
IDC VI 11 12 40 24.8–.88 36.38N 92.90W 0 3.6,3.5L **¶610669635**
SLM VI 11 12 40 25.1–2.3 36.38N–.03 92.99W–.02 6–6 4.0,4.0L

NEIC VI 11 12 40 25.0–1.6 36.35N–.04 93.03W–.03 6–6 4.0,4.0L
NEIC VI 11 12 40 25.1 36.38N 92.99W–.03 6 4.0,4.0L
ISC Event type se.
IDC Error ellipse: s-maj=13.6km s-min=8.9km az=171.0.
SLM Event type se. Error ellipse: s-maj=4.8km s-min=2.3km az=200.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=5.8km s-min=2.3km az=207.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}-0.47 $M_{\theta\theta}$2.88 $M_{\phi\phi}$-2.41 $M_{r\theta}$-0.96 $M_{\theta\phi}$2.02 $M_{r\phi}$0.04 NP1:ϕ_s205.71000°,δ76.07000°,λ176.86000°. NP2:ϕ_s296.47000°,δ86.96000°,λ13.95000°. Principal axes: T 3.7587,Plg12.0000°,Azm162.0000°; N -0.6155,Plg76.0000°,Azm309.0000°; P -3.1433,Plg8.0000°,Azm70.0000° $M_0$3.49000×10^{14}
NEIC Event type se.
ISC VI 16 02 28 27.2–.84 36.33N–.03 92.99W–.02 15–7 137 0-9
SLM VI 16 02 28 27.6–1.3 36.37N–.03 93.00W–.02 6–5 3.3L,3.2 **¶610675493**
ANF VI 16 02 28 27.8–.33 36.38N 93.03W 6 3.8L,3.2
NEIC VI 16 02 28 28.6–1.3 36.34N–.03 93.00W–.03 12–7 3.8L,3.2
ISC Event type se.
SLM Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(485) Missouri-Illinois border region.

NEIC VI 06 11 29 46.9–2.1 37.94N–.03 90.44W–.03 22–6
ANF VI 06 11 29 47.2–.39 37.93N 90.50W 19–3 2.9L **¶610664156**
SLM VI 06 11 29 47.2–2.2 37.95N–.03 90.47W–.03 25–7 2.9L,2.6
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SLM Event type se. hypocenter. manual.

(486) New Madrid region, Missouri.

NEIC I 09 21 01 53.1–.52 36.549N–.01 89.67W–.01 9–2
SLM I 09 21 01 52.6–.96 36.548N–.01 89.67W–.01 5–3 2.5,2.4 **¶610570560**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SLM Event type se. hypocenter. manual.
ISC I 21 17 31 20.5–.93 36.87N–.02 89.12W–.02 9–7 185 0-8
NEIC I 21 17 31 21.0–.60 36.878N–.01 89.13W–.01 7–3 **¶610104796**
SLM I 21 17 31 20.8–.76 36.88N–.01 89.120W–.01 9–3 3.0L,2.8
ANF I 21 17 31 20.2–.25 36.88N 89.15W 6–4 3.1L,2.8
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=1.5km s-min=0.9km az=214.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SLM Event type se. Error ellipse: s-maj=1.5km s-min=0.8km az=176.0. hypocenter. manual.
ANF Error ellipse: s-maj=3.0km s-min=2.0km az=109.0.
NEIC I 21 19 52 58.8–.84 36.881N–.00 89.13W–.02 9–5
SLM I 21 19 52 59.1–.81 36.88N–.01 89.114W–.00 7–6 2.5,2.2L **¶610105041**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SLM Event type se. hypocenter. manual.
NEIC I 30 01 46 35.8–.46 36.681N–.01 89.52W–.01 17–2
SLM I 30 01 46 35.5–.57 36.671N–.01 89.52W–.01 14–2 2.5,2.4 **¶611148914**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SLM Event type se. hypocenter. manual.
NEIC II 09 18 05 51.3–.70 36.098N–.01 89.45W–.01 8–1
SLM II 09 18 05 50.7–.66 36.103N–.01 89.45W–.01 4–3 3.0L,2.9 **¶610206148**
ANF II 09 18 05 51.0–.24 36.12N 89.49W 5 3.0L,2.9
NEIC Event type se. Error ellipse: s-maj=1.4km s-min=1.1km az=76.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SLM Event type se. Error ellipse: s-maj=1.4km s-min=1.3km az=93.0. hypocenter. manual.
ANF Error ellipse: s-maj=3.5km s-min=3.1km az=40.0.
ISC II 16 08 22 42.9–.87 36.25N–.02 89.55W–.02 10–5 77 0-3
ANF II 16 08 22 42.3–.26 36.24N 89.57W 5 2.5L **¶611149033**
SLM II 16 08 22 42.5–.32 36.250N–.00 89.559W–.01 5–2 2.5,2.4L
NEIC II 16 08 22 43.0–.38 36.256N–.00 89.551W–.01 8–2 2.5,2.4L
ISC Event type se.
SLM Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 15 16 51 09.5–.74 36.84N–.02 89.16W–.02 19–2 4.0b 315 0-141
ANF III 15 16 51 09.4–.37 36.83N 89.11W 0 4.7L **¶610329403**
IDC III 15 16 51 09.1–.80 36.96N 89.10W 0 4.0,3.9b
SLM III 15 16 51 10.1–1.4 36.882N–.01 89.12W–.01 8–4 4.0L,3.9
NEIC III 15 16 51 10.2–1.1 36.88N–.01 89.13W–.01 4–3 4.0L,3.9
ISC Event type se.
SLM Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC III 15 16 57 52.6–.52 36.882N–.01 89.11W–.01 7–2
SLM III 15 16 57 52.7–.55 36.881N–.01 89.11W–.01 8–2 2.6,2.3L **¶610329572**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SLM Event type se. hypocenter. manual.
ISC III 19 14 25 12.7–.84 36.85N–.02 89.18W–.02 18–3 3.0b 237 0-44
IDC III 19 14 25 11.7–.81 36.90N 89.09W 0 3.4,3.4L **¶610346053**
ANF III 19 14 25 11.9–.37 36.87N 89.11W 0 4.3L,3.4L
SLM III 19 14 25 12.6–.57 36.88N–.01 89.13W–.01 12–5 3.6L,3.4
NEIC III 19 14 25 12.8–.61 36.88N–.01 89.13W–.01 10–5 3.6L,3.4
ISC Event type se.
SLM Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC III 23 21 15 23.0–.67 36.548N–.01 89.651W–.01 12–2
SLM III 23 21 15 23.1–1.1 36.548N–.01 89.65W–.01 7–3 2.4,2.2L **¶610434464**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SLM Event type se. hypocenter. manual.
NEIC IV 06 22 25 32.4–.93 36.96N–.01 89.19W–.02 1–6
SLM IV 06 22 25 32.4–1.3 36.968N–.01 89.20W–.02 7–5 3.0L,2.8 **¶610518270**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SLM Event type se. hypocenter. manual.
ISC V 06 23 39 36.3–.83 36.39N–.02 89.50W–.02 14–4 135 0-8
SLM V 06 23 39 35.7–.66 36.392N–.01 89.51W–.01 8–1 3.0L,2.7 **¶610617737**
NEIC V 06 23 39 36.3–.72 36.391N–.01 89.51W–.01 9–1 3.0L,2.7
ISC Event type se.
SLM Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 14 12 56 24.2–.77 36.56N–.01 89.60W–.02 16–4 149 0-9
SLM V 14 12 56 24.1–.93 36.564N–.01 89.60W–.01 14–2 3.5L,3.0 **¶610638610**
NEIC V 14 12 56 24.3–1.2 36.560N–.01 89.60W–.01 13–1 3.5L,3.0
ANF V 14 12 56 24.1–.38 36.57N 89.59W 12–3 3.6L,3.0
ISC Event type se.
SLM Event type se. Error ellipse: s-maj=1.3km s-min=0.5km az=58.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=1.2km s-min=1.0km az=97.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ANF Error ellipse: s-maj=2.4km s-min=2.1km az=46.0.
ISC V 16 10 21 51.9–.92 36.88N–.02 89.15W–.02 11–7 3.7b 251 0-64
IDC V 16 10 21 51.6–.81 36.87N 89.09W 0 3.6,3.6b **¶610641564**
NEIC V 16 10 21 52.0–1.1 36.88N–.01 89.13W–.02 8–7 3.6,3.6b
ANF V 16 10 21 51.7–.83 36.88N 89.13W 3–6 4.2L,3.6b
SLM V 16 10 21 52.2–1.2 36.87N–.01 89.12W–.02 9–7 3.6L,3.5
NEIC V 16 10 21 52 36.87N 89.12W 5 3.6L,3.5
ISC Event type se.
IDC Error ellipse: s-maj=18.2km s-min=7.7km az=14.0.
NEIC Event type se. Error ellipse: s-maj=2.4km s-min=1.6km az=107.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ANF Error ellipse: s-maj=4.1km s-min=3.5km az=11.0.
SLM Event type se. Error ellipse: s-maj=2.4km s-min=1.6km az=107.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution. Moment tensor: Scale 10^{13}Nm; M_{rr}8.86 $M_{\theta\theta}$0.73 $M_{\phi\phi}$-9.59 $M_{r\theta}$2.88 $M_{\theta\phi}$-1.23 $M_{r\phi}$0.51 NP1:ϕ_s170.00000°,δ45.00000°,λ65.00000°. NP2: ϕ_s23.00000°,δ50.00000°,λ113.00000°. Principal axes: T 9.7770,Plg72.0000°,Azm359.0000°; N -0.0024,Plg17.0000°,Azm188.0000°; P -9.7746,Plg3.0000°,Azm97.0000° $M_0$9.77000×10^{13}
ISC VI 03 09 01 03.5–.79 36.30N–.02 89.51W–.02 16–5 122 0-7
ANF VI 03 09 01 02.4–.34 36.30N 89.52W 0–3 3.1L **¶610661118**
SLM VI 03 09 01 03.4–1.2 36.297N–.01 89.51W–.01 9–2 3.0L,2.7
NEIC VI 03 09 01 03.4–.60 36.299N–.01 89.51W–.01 13–1 3.0L,2.7
ISC Event type se.
SLM Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC VI 04 10 40 21.6–.81 36.538N–.00 89.65W–.01 10–4
SLM VI 04 10 40 21.2–1.2 36.547N–.00 89.66W–.01 8–4 2.6L,2.5 **¶611150966**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SLM Event type se. hypocenter. manual.
ISC VI 19 11 26 58.7–.82 36.07N–.02 89.80W–.02 12–5 97 0-9
ANF VI 19 11 26 58.5–.23 36.06N 89.81W 7–1 2.8L **¶610681779**
SLM VI 19 11 26 58.7–.60 36.08N–.01 89.80W–.01 9–5 2.7,2.5L
NEIC VI 19 11 26 58.7–.90 36.06N–.01 89.79W–.01 13–4 2.7,2.5L
ISC Event type se.
SLM Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(487) Cape Girardeau region, Missouri.

NEIC I 23 21 47 19.9–.75 37.56N–.01 89.87W–.01 5–1
SLM I 23 21 47 20.7–.53 37.56N–.01 89.90W–.01 2–1 2.7L,2.4 **¶610570774**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SLM Event type se. hypocenter. manual.
NEIC I 30 09 12 44.7–1.4 37.17N–.01 89.79W–.03 11–5
SLM I 30 09 12 44.8–1.5 37.18N–.01 89.78W–.03 15–4 3.0L,2.5 **¶610148017**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SLM Event type se. hypocenter. manual.

(488) Southern Illinois.

NEIC II 13 06 16 59.5–.71 37.04N–.01 88.972W–.01 16–5
SLM II 13 06 17 00.1–.69 37.04N–.01 88.98W–.02 16–5 2.6L,2.2 **¶611149003**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
SLM Event type se. hypocenter. manual.

(491) West Virginia.

ANF VI 12 17 18 43.8–.33 38.01N 81.40W 0 3.7L,3.6L
¶616087963
ANF Error ellipse: s-maj=2.7km s-min=2.4km az=133.0.

(492) Virginia.

ISC III 13 02 11 34.6–.88 37.70N–.02 77.83W–.02 16–7 70 0-6
ANF III 13 02 11 34.6–.31 37.70N 77.82W 13–4 2.7L **¶611149233**
SLM III 13 02 11 35.3–1.2 37.70N–.02 77.82W–.03 11–8 2.8L,2.6
NEIC III 13 02 11 35.1–1.1 37.71N–.02 77.83W–.03 14–7 2.8L,2.6
ISC Event type se.
SLM Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(493) Chesapeake Bay region.

NEIC IV 23 20 49 07.4–1.6 39.98N–.01 76.30W–.02 2–3
LDO IV 23 20 49 08.2–1.6 39.99N–.02 76.31W–.02 5–1 2.5L,2.4 **¶610547626**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
LDO Event type se. hypocenter. manual.

(495) Eastern Arizona.

NEIC I 03 10 11 57.0–1.1 35.16N–.02 111.89W–.03 5–2 2.5L
¶610570380
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC III 18 20 43 45.6–1.7 35.18N–.02 111.94W–.02 2–7 2.6L
¶611149289
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(496) New Mexico.

ISC I 21 03 57 54.5–1.2 36.99N–.02 104.90W–.02 1–12 67 0-9
ANF I 21 03 57 54.9–1.5 36.85N 104.85W 5 3.8L **¶610104703**
NEIC I 21 03 57 54.3–1.6 36.96N–.03 104.84W–.04 6–6 3.1L,2.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC II 02 16 14 04.6–.83 34.13N–.04 106.88W–.06 13–6 2.7L
¶610184284
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IV 26 01 32 09.8–3.6 32.98N 105.53W 0 4.0L,2.9b
¶610650023
IDC Error ellipse: s-maj=416.4km s-min=12.7km az=69.0.
NEIC V 03 17 47 21.5–.90 32.08N–.03 103.02W–.02 5–1 2.6L,2.5
¶610593975
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(498) Western Texas.

NEIC I 13 10 11 24.1–.67 31.43N–.01 103.63W–.04 3–6 1.8L
¶610570652
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC I 26 03 46 04.9–.66 31.42N–.03 103.54W–.03 5–2 2.7L
¶610123272
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC II 05 04 48 27.7–.99 31.46N–.03 103.45W–.06 5–7 2.4L
¶611148946
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC II 17 12 39 52.1–1.1 31.43N–.01 103.52W–.03 3–6 2.6L
¶611149043
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC III 13 07 32 47.0–.84 32.17N–.05 102.30W–.03 5–2 2.8
¶611149234
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 18 03 03 13.5–1.0 31.42N–.04 103.45W–.03 10 37 1-7
ANF III 18 03 03 13.3–.62 31.40N 103.48W 5 3.4L **¶610394156**
NEIC III 18 03 03 13.3–.68 31.41N–.04 103.44W–.03 4–7 3.0L,2.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC IV 10 01 18 41.9–1.5 31.16N–.04 103.26W–.04 5–2 3.0,2.9L
¶610523844

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC IV 19 12 18 06.7–1.4 31.09N–.02 103.49W–.04 3–7 3.0L,2.6 ¶610537714
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 01 21 52 46.9–.80 31.15N–.03 103.26W–.03 10 65 1-10
NEIC V 01 21 52 47.6–1.0 31.14N–.05 103.32W–.05 2–7 3.2,3.1L ¶610590160
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 06 01 51 32.3–1.3 32.95N–.02 100.86W–.02 3–14 60 1-9
ANF V 06 01 51 33.0–.21 32.95N 100.86W 0 3.6L ¶610613143
NEIC V 06 01 51 33.3–1.4 32.96N–.02 100.90W–.04 2–8 2.9L,2.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 06 07 46 57.2–.79 32.96N–.03 100.85W–.02 10 45 1-7
NEIC V 06 07 46 57.2–1.9 32.96N–.04 100.865W–.01 1–8 2.5,2.5L ¶610613155
ANF V 06 07 46 57.1–.50 32.95N 100.91W 1 3.3L,2.5L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=6.1km s-min=1.0km az=175.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ANF Error ellipse: s-maj=5.7km s-min=4.8km az=40.0.
NEIC VI 05 22 57 29.4–1.2 31.34N–.03 103.13W–.04 2–7 3.2 ¶610664094
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC VI 15 03 54 16.0–1.5 31.11N–.03 103.49W–.05 5–1 2.6,2.6L ¶610674313
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(499) Oklahoma.

ISC I 02 15 25 34.8–.79 36.40N–.02 96.90W–.02 6–4 106 0-41
ANF I 02 15 25 34.8–.17 36.39N 96.89W 0 3.7L ¶609949697
NEIC I 02 15 25 35.0–.70 36.41N–.01 96.889W–.01 5–1 3.7L
TUL I 02 15 25 35–1.1 36.40N–.02 96.89W–.03 4–3 3.5L,3.3L
IDC I 02 15 25 35.8–1.8 36.49N 97.07W 0 3.2,3.2b
ISC Event type se.
ANF Error ellipse: s-maj=2.1km s-min=1.7km az=32.0.
NEIC Event type se. Error ellipse: s-maj=2.8km s-min=2.5km az=234.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TUL Event type se. Error ellipse: s-maj=3.2km s-min=1.4km az=59.0. hypocenter. manual.
IDC Error ellipse: s-maj=25.7km s-min=12.6km az=111.0.
ISC I 02 15 28 39.7–.74 36.41N–.02 96.90W–.02 8–4 80 0-41
IDC I 02 15 28 37.7–3.6 36.18N 97.01W 0 3.5,3.4b ¶609949698
ANF I 02 15 28 40.5–.24 36.40N 96.85W 5 3.8L,3.4b
TUL I 02 15 28 40.1–.99 36.40N–.02 96.89W–.02 4–1 3.5L,3.4L
NEIC I 02 15 28 40.3–.71 36.402N–.01 96.90W–.03 5–1 3.5L,3.4L
ISC Event type se.
TUL Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 02 19 44 23.0–.79 36.43N–.02 96.95W–.02 6–5 146 0-41
IDC I 02 19 44 22.6–1.0 36.52N 97.10W 0 3.4,3.3b ¶609950089
TUL I 02 19 44 23–.63 36.42N–.01 96.92W–.02 3–7 3.7,3.7L
ANF I 02 19 44 23.5–.36 36.42N 96.94W 5 4.3L,3.7L
NEIC I 02 19 44 23.9–.80 36.41N–.02 96.92W–.04 5–2 4.3L,3.7L
ISC Event type se.
TUL Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 08 02 02 37.3–1.0 36.90N–.02 97.58W–.02 5–9 88 0-8
TUL I 08 02 02 36.9–1.2 36.91N–.01 97.58W–.02 7–7 3.2L,3.0L ¶610570515
ANF I 08 02 02 36.6–.40 36.92N 97.60W 5 3.4L,3.0L
NEIC I 08 02 02 37.3–.75 36.89N–.01 97.58W–.01 3–7 3.4L,3.0L
ISC Event type se.
TUL Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 09 20 40 00.1–.86 36.70N–.02 97.68W–.02 14–7 135 0-10
TUL I 09 20 39 59.9–.26 36.703N–.01 97.67W–.01 8–5 3.6,3.5L ¶610570559
ANF I 09 20 39 59.5–.37 36.70N 97.68W 5 4.0L,3.5L
NEIC I 09 20 39 59.7–.28 36.702N–.01 97.672W–.01 5–5 4.0L,3.5L
NEIC I 09 20 39 59 36.70N 97.67W 2 4.0L,3.5L
ISC Event type se.
TUL Event type se. Error ellipse: s-maj=1.3km s-min=0.5km az=118.0. hypocenter. manual.
ANF Error ellipse: s-maj=6.8km s-min=2.9km az=167.0.
NEIC Event type se. Error ellipse: s-maj=1.5km s-min=0.4km az=219.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution. Moment tensor: Scale 10^{13}Nm; M_{rr}-0.74 $M_{\theta\theta}$6.33 $M_{\phi\phi}$-5.60 $M_{r\theta}$1.43 $M_{\theta\phi}$-5.49 $M_{\phi r}$2.08 NP1:ϕ_s155.00000°,δ75.00000°,λ-10.00000°. NP2: ϕ_s248.00000°,δ80.00000°,λ-165.00000°. Principal axes: T 8.5123,Plg4.0000°,Azm21.0000° ; N 0.0047,Plg72.0000°,Azm279.0000°; P -8.5170,Plg18.0000°,Azm112.0000° $M_0$8.51000×10^{13}
ISC I 10 06 22 29.7–1.0 36.40N–.02 98.13W–.02 6–9 117 0-10
ANF I 10 06 22 29.8–.48 36.40N 98.13W 4–3 4.0L ¶610570572
TUL I 10 06 22 29.6–.35 36.417N–.01 98.14W–.01 6–2 3.5L,3.4
NEIC I 10 06 22 30.2–.38 36.42N–.01 98.13W–.01 4–2 3.5L,3.4
ISC Event type se.
TUL Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC I 11 20 24 20.5–1.1 36.53N–.02 98.98W–.01 8–5
TUL I 11 20 24 20.5–.89 36.53N–.02 98.98W–.04 6–4 2.7,2.5L ¶610570609
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TUL Event type se. hypocenter. manual.
ISC I 15 05 19 47.0–1.1 36.45N–.03 98.75W–.03 9–9 85 0-10
NEIC I 15 05 19 46.8–.66 36.46N–.03 98.76W–.06 5–2 ¶610094937
TUL I 15 05 19 46.9–.70 36.45N–.04 98.78W–.06 8–7 3.4L,3.3L
ANF I 15 05 19 46.5–1.2 36.45N 98.71W 5–10 3.9L,3.3L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=8.0km s-min=3.7km az=292.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TUL Event type se. Error ellipse: s-maj=7.0km s-min=5.8km az=116.0. hypocenter. manual.
ANF Error ellipse: s-maj=7.3km s-min=5.1km az=78.0.
ISC I 19 21 30 05.4–.90 36.76N–.02 98.07W–.02 9–7 99 0-9
TUL I 19 21 30 04.9–.70 36.76N–.02 98.06W–.01 8–7 3.3L,3.3L ¶610102164
ANF I 19 21 30 04.7–.36 36.75N 98.05W 5 3.5L,3.3L
NEIC I 19 21 30 05.5–.48 36.76N–.01 98.06W–.01 3–6 3.5L,3.3L
ISC Event type se.
TUL Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 22 16 21 30.0–.99 36.53N–.03 98.95W–.04 7–8 24 0-8
TUL I 22 16 21 29.8–.99 36.53N–.01 98.96W–.07 4–6 2.5L,2.3 ¶610570767
NEIC I 22 16 21 29.6–.70 36.53N–.02 98.97W–.06 12–1 2.5L,2.3
ANF I 22 16 21 30.1–1.0 36.52N 98.95W 5–9 2.8L,2.3
ISC Event type se.
TUL Event type se. Error ellipse: s-maj=7.9km s-min=1.6km az=99.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=7.4km s-min=2.0km az=100.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ANF Error ellipse: s-maj=13.4km s-min=7.3km az=92.0.
ISC I 26 12 02 31.7–1.2 36.38N–.02 97.72W–.02 4–10 61 0-10
ANF I 26 12 02 31.6–.27 36.43N 97.69W 5 4.0L ¶610130709
NEIC I 26 12 02 32.0–.54 36.382N–.01 97.71W–.01 4–7 4.0L
TUL I 26 12 02 32–.74 36.39N–.01 97.70W–.02 6–7 3.4,3.3L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TUL Event type se. hypocenter. manual.
ISC I 27 09 51 17.7–.82 36.92N–.02 97.65W–.02 12–6 151 0-40
IDC I 27 09 51 16.0–1.1 37.20N 97.77W 0 3.5b,3.5L ¶610135416
TUL I 27 09 51 17.6–1.7 36.93N–.01 97.65W–.01 7–7 3.4L,3.2L
NEIC I 27 09 51 18.0–1.3 36.92N–.01 97.636W–.01 4–7 3.4L,3.2L
ANF I 27 09 51 18.1–.27 36.88N 97.66W 5 3.9L,3.2L
ISC Event type se.
IDC Error ellipse: s-maj=15.5km s-min=12.9km az=2.0.
TUL Event type se. Error ellipse: s-maj=1.9km s-min=1.5km az=138.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=1.7km s-min=0.8km az=201.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ANF Error ellipse: s-maj=3.2km s-min=2.7km az=11.0.
ISC I 31 19 49 39.3–.86 36.53N–.02 98.98W–.03 11–6 111 0-9
ANF I 31 19 49 39.5–.20 36.52N 98.96W 9–1 3.7L ¶610159382
NEIC I 31 19 49 39.2–1.0 36.54N–.02 98.98W–.02 10–6 3.2L,3.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 02 01 58 10.7–1.1 36.28N–.02 97.51W–.02 8–8 80 0-10
ANF II 02 01 58 11.0–.94 36.31N 97.50W 12–6 4.0L ¶610172170
TUL II 02 01 58 10.3–.72 36.29N–.01 97.507W–.01 4–7 3.3,3.3L
NEIC II 02 01 58 10.4–.52 36.28N–.01 97.52W–.01 5–2 3.3,3.3L
ISC Event type se.
TUL Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 03 15 04 12.9–1.0 36.51N–.02 98.92W–.03 8–7 65 0-9
ANF II 03 15 04 12.9–.35 36.52N 98.99W 5 3.6L ¶610189548
TUL II 03 15 04 12.4–.63 36.53N–.02 98.98W–.04 6–4 3.3L,3.2L
NEIC II 03 15 04 12.9–.45 36.51N–.01 98.98W–.04 4–5 3.3L,3.2L
ISC Event type se.
TUL Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 06 11 04 33.8–1.2 36.33N–.02 96.98W–.02 2–11 49 0-8
NEIC II 06 11 04 34.4–.93 36.316N–.01 96.99W–.02 7–4 ¶610197963
TUL II 06 11 04 34.2–.87 36.32N–.01 96.98W–.02 5–5 3.0L,2.9
ANF II 06 11 04 35.1–.42 36.34N 96.97W 5 3.5L,2.9
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=2.5km s-min=0.8km az=87.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TUL Event type se. Error ellipse: s-maj=2.1km s-min=1.7km az=106.0. hypocenter. manual.
ANF Error ellipse: s-maj=5.2km s-min=4.3km az=35.0.
ISC II 08 01 18 42.2–.96 36.86N–.02 98.08W–.02 6–7 122 0-7
TUL II 08 01 18 41.8–.56 36.874N–.01 98.10W–.01 6–3 3.1L,3.0L ¶610198951
NEIC II 08 01 18 42.4–.41 36.861N–.01 98.09W–.01 3–4 3.1L,3.0L
ANF II 08 01 18 42.1–.76 36.87N 98.05W 6–4 3.5L,3.0L
ISC Event type se.
TUL Event type se. Error ellipse: s-maj=1.9km s-min=0.9km az=127.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=2.1km s-min=0.4km az=123.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ANF Error ellipse: s-maj=3.0km s-min=2.6km az=45.0.
ISC II 12 17 37 25.4–1.1 36.30N–.02 96.68W–.02 5–9 75 0-10
TUL II 12 17 37 24.9–.52 36.298N–.01 96.68W–.02 4–4 3.1L,3.1L ¶610208524
NEIC II 12 17 37 25.7–.68 36.305N–.01 96.69W–.01 5–1 3.1L,3.1L
ANF II 12 17 37 25.4–.35 36.31N 96.66W 5 3.6L,3.1L
ISC Event type se.
TUL Event type se. Error ellipse: s-maj=1.8km s-min=1.2km az=73.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=2.9km s-min=1.5km az=266.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ANF Error ellipse: s-maj=4.4km s-min=2.2km az=64.0.
NEIC II 12 17 38 19.9–.89 36.29N–.01 96.674W–.01 5–1 3.0,2.9L
TUL II 12 17 38 19.7–1.1 36.298N–.01 96.68W–.01 2–4 2.9L,2.9L ¶616172855
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TUL Event type se. hypocenter. manual.
ISC II 16 15 33 07.3–.78 36.13N–.02 96.88W–.02 9–5 230 0-41
TUL II 16 15 33 07.3–.62 36.127N–.01 96.86W–.01 6–2 3.9L,3.8L ¶610239486
ANF II 16 15 33 07.4–.32 36.14N 96.87W 5 4.3L,3.8L
NEIC II 16 15 33 07.2–.71 36.127N–.01 96.87W–.01 11–4 4.3L,3.8L
NEIC II 16 15 33 07 36.12N 96.86W 5 4.3L,3.8L
IDC II 16 15 33 09.2–1.8 36.24N 97.15W 0 3.4,3.4b
ISC Event type se.
TUL Event type se. Error ellipse: s-maj=1.3km s-min=0.8km az=81.0. hypocenter. manual.
ANF Error ellipse: s-maj=3.5km s-min=3.2km az=107.0.
NEIC Event type se. Error ellipse: s-maj=1.8km s-min=0.7km az=102.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}0.10 $M_{\theta\theta}$0.77 $M_{\phi\phi}$-0.86 $M_{r\theta}$-0.52 $M_{\theta\phi}$0.53 $M_{\phi r}$0.20 NP1:ϕ_s207.00000°,δ60.00000°,λ174.00000°. NP2: ϕ_s300.00000°,δ85.00000°,λ30.00000°. Principal axes: T 1.1221,Plg24.0000°,Azm168.0000° ; N -0.0001,Plg60.0000°,Azm309.0000°; P -1.1220,Plg17.0000°,Azm70.0000° $M_0$1.12000×10^{14}
IDC Error ellipse: s-maj=26.1km s-min=10.6km az=108.0.
ISC II 21 08 05 41.7–.90 36.52N–.03 98.96W–.03 9–6 58 0-9
NEIC II 21 08 05 41.7–.93 36.53N–.02 98.97W–.02 5–1 ¶610237816
ANF II 21 08 05 41.3–.44 36.54N 99.02W 7–3 3.8L
TUL II 21 08 05 41.2–.96 36.53N–.03 98.97W–.04 6–6 3.1L,3.1L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TUL Event type se. hypocenter. manual.
ISC II 22 08 57 35.3–1.3 36.75N–.02 97.65W–.02 0–11 65 0-10
NEIC II 22 08 57 35.5–.40 36.74N–.01 97.65W–.01 3–7 ¶610239527
TUL II 22 08 57 35.4–.87 36.77N–.01 97.64W–.02 9–7 3.4L,3.3L
ANF II 22 08 57 35.6–.17 36.76N 97.67W 5 3.7L,3.3L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=2.4km s-min=0.6km az=213.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TUL Event type se. Error ellipse: s-maj=2.3km s-min=1.7km az=64.0. hypocenter. manual.
ANF Error ellipse: s-maj=2.5km s-min=1.9km az=170.0.
ISC II 25 17 31 01.9–.96 36.21N–.02 97.57W–.02 12–8 152 0-9
NEIC II 25 17 31 01.5–.37 36.210N–.01 97.56W–.01 2–3 ¶610241208
ANF II 25 17 31 01.2–.35 36.25N 97.58W 5 3.9L
TUL II 25 17 31 02–.47 36.215N–.01 97.56W–.01 7–4 3.4L,3.4L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TUL Event type se. hypocenter. manual.
ISC III 01 05 25 22.7–1.1 36.43N–.02 98.76W–.02 3–10 67 0-9
TUL III 01 05 25 22.6–.74 36.44N–.01 98.79W–.03 7–7 3.4L,3.2L ¶610242096
ANF III 01 05 25 23.3–.42 36.40N 98.80W 7–4 3.6L,3.2L
NEIC III 01 05 25 23.2–.71 36.431N–.01 98.79W–.02 4–6 3.6L,3.2L
ISC Event type se.
TUL Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 01 19 49 55.8–1.0 36.47N–.02 98.73W–.02 1–8 66 0-6
TUL III 01 19 49 55.3–.34 36.483N–.01 98.76W–.02 5–4 3.1L,3.0 ¶610243162
ANF III 01 19 49 55.8–.40 36.43N 98.73W 5 3.6L,3.0

NEIC III 01 19 49 55.9–.49 36.48N–.01 98.78W–.02 5–1 3.6L,3.0
ISC Event type se.
TUL Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 02 00 30 41.2–.95 35.84N–.02 96.65W–.02 8–7 102 0-10
TUL III 02 00 30 40.6–.53 35.84N–.02 96.65W–.04 6–5 3.3L,3.3L **¶610243179**
NEIC III 02 00 30 41.3–.42 35.84N–.02 96.65W–.02 4–5 3.3L,3.3L
ANF III 02 00 30 41.3–.24 35.88N 96.64W 5 3.9L,3.3L
ISC Event type se.
TUL Event type se. Error ellipse: s-maj=4.9km s-min=2.2km az=104.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=2.4km s-min=2.3km az=79.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ANF Error ellipse: s-maj=2.8km s-min=2.1km az=9.0.
ISC III 02 16 43 39.9–.87 36.53N–.02 98.95W–.03 9–6 126 0-9
TUL III 02 16 43 39.8–1.1 36.54N–.01 98.96W–.01 6–2 3.5L,3.3L **¶610243918**
NEIC III 02 16 43 39.5–.85 36.55N–.02 99.00W–.03 11–5 3.5L,3.3L
ANF III 02 16 43 40.1–1.1 36.52N 98.95W 7–9 3.8L,3.3L
ISC Event type se.
TUL Event type se. Error ellipse: s-maj=2.1km s-min=1.2km az=147.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=3.8km s-min=2.2km az=113.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ANF Error ellipse: s-maj=14.4km s-min=7.6km az=101.0.
ISC III 02 20 27 29.5–1.2 36.51N–.02 98.92W–.02 1–10 130 0-10
NEIC III 02 20 27 29.8–.35 36.51N–.02 98.96W–.04 6–4 **¶610244532**
TUL III 02 20 27 29–.44 36.53N–.03 98.98W–.05 6–4 3.5L,3.5L
ANF III 02 20 27 30.9–1.3 36.48N 98.93W 16–9 4.3L,3.5L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=4.8km s-min=2.7km az=117.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TUL Event type se. Error ellipse: s-maj=6.2km s-min=2.7km az=119.0. hypocenter. manual.
ANF Error ellipse: s-maj=2.3km s-min=1.9km az=61.0.
ISC III 03 02 38 28.3–.88 36.65N–.03 99.05W–.03 14–6 99 0-9
NEIC III 03 02 38 27.9–1.1 36.67N–.01 99.07W–.04 4–7 **¶610244547**
ANF III 03 02 38 27.6–.52 36.68N 99.05W 5 3.8L
TUL III 03 02 38 27–1.5 36.67N–.02 99.13W–.04 6–7 3.3L,3.3L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TUL Event type se. hypocenter. manual.
ISC III 05 11 33 33.4–1.2 35.91N–.02 98.28W–.02 2–11 54 0-8
NEIC III 05 11 33 33.7–1.1 35.91N–.02 98.27W–.01 5–2 **¶610245383**
ANF III 05 11 33 33.6–.21 35.87N 98.31W 5 3.5L
TUL III 05 11 33 33.9–1.3 35.90N–.02 98.29W–.02 5–5 3.1L,2.9L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TUL Event type se. hypocenter. manual.
ISC III 05 12 09 15.5–1.4 35.90N–.03 98.26W–.03 4–14 52 1-9
NEIC III 05 12 09 15.9–.69 35.90N–.02 98.27W–.02 5–2 **¶610245385**
ANF III 05 12 09 16.0–.66 35.89N 98.31W 6–6 3.7L
TUL III 05 12 09 16.2–1.1 35.900N–.01 98.29W–.02 5–6 3.4L,3.2L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TUL Event type se. hypocenter. manual.
ISC III 07 16 03 09.3–.99 36.68N–.02 97.68W–.02 8–11 72 0-8
ANF III 07 16 03 09.4–.31 36.72N 97.71W 5 3.7L **¶610271577**
NEIC III 07 16 03 09.8–.21 36.691N–.01 97.688W–.01 2–4 3.7L
TUL III 07 16 03 09.4–.33 36.70N–.01 97.68W–.01 8–3 3.3L,3.3L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TUL Event type se. hypocenter. manual.
ISC III 07 16 06 01.2–1.1 36.68N–.02 97.69W–.02 5–9 81 0-9
TUL III 07 16 06 01.2–.40 36.700N–.01 97.68W–.02 8–1 3.7L,3.6L **¶610271578**
ANF III 07 16 06 01.1–.31 36.67N 97.68W 5 4.3L,3.6L
NEIC III 07 16 06 01.6–.13 36.689N–.01 97.685W–.01 2–4 4.3L,3.6L
NEIC III 07 16 06 01 36.70N 97.68W 3 4.3L,3.6L
ISC Event type se.
TUL Event type se. Error ellipse: s-maj=1.8km s-min=1.4km az=103.0. hypocenter. manual.
ANF Error ellipse: s-maj=3.2km s-min=2.7km az=174.0.
NEIC Event type se. Error ellipse: s-maj=1.5km s-min=0.5km az=223.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution. Moment tensor: Scale 10^{13}Nm; M_{rr}-0.96 $M_{\theta\theta}$6.00
$M_{\phi\phi}$-5.04 $M_{r\theta}$0.10 $M_{\theta\phi}$-5.26 $M_{\phi r}$2.96 NP1:ϕ_s249.00000°,δ70.00000°,λ-169.00000°. NP2:
ϕ_s155.00000°,δ80.00000°,λ-20.00000°. Principal axes: T 8.2225,Plg7.0000°,Azm203.0000°
; N -0.0009,Plg68.0000°,Azm309.0000°; P -8.2216,Plg21.0000°,Azm110.0000°
$M_0$8.22000$\times10^{13}$
ISC III 08 22 30 21.0–.77 36.48N–.02 98.83W–.02 9–5 156 0-14
IDC III 08 22 30 20.2–1.0 36.59N 98.96W 0 3.9L,3.6 **¶610305011**
TUL III 08 22 30 20.8–.89 36.49N–.02 98.90W–.03 5–4 3.8L,3.7L
NEIC III 08 22 30 21.8–.59 36.473N–.01 98.88W–.05 5–7 3.8L,3.7L
ANF III 08 22 30 21.8–.72 36.45N 98.88W 8–5 4.4L,3.7L
ISC Event type se.
IDC Error ellipse: s-maj=14.3km s-min=10.2km az=109.0.
TUL Event type se. Error ellipse: s-maj=4.2km s-min=3.0km az=113.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=5.4km s-min=1.4km az=92.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ANF Error ellipse: s-maj=1.8km s-min=1.7km az=18.0.
ISC III 10 13 49 55.6–1.1 36.28N–.02 97.52W–.02 6–10 53 0-10
NEIC III 10 13 49 55.6–.55 36.284N–.01 97.524W–.01 5–2 **¶610321356**
TUL III 10 13 49 55.7–.71 36.28N–.01 97.511W–.01 7–6 3.0,2.9L
ANF III 10 13 49 55.2–.57 36.29N 97.52W 5–6 3.0L,2.9L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=3.0km s-min=1.9km az=184.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TUL Event type se. Error ellipse: s-maj=1.7km s-min=1.0km az=191.0. hypocenter. manual.
ANF Error ellipse: s-maj=7.2km s-min=3.0km az=167.0.
ISC III 15 15 16 47.6–.83 36.40N–.02 96.89W–.02 7–4 112 0-9
TUL III 15 15 16 47.5–.54 36.401N–.01 96.88W–.02 5–3 3.5L,3.4L **¶610329393**
ANF III 15 15 16 47.5–.37 36.39N 96.88W 5 3.5L,3.4L
NEIC III 15 15 16 48.2–.54 36.394N–.01 96.88W–.02 3–3 3.5L,3.4L
ISC Event type se.
TUL Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 16 08 58 00.4–1.0 36.69N–.02 98.41W–.02 6–8 103 0-28
IDC III 16 08 57 59.6–1.1 36.65N 98.37W 0 3.8L,3.2s **¶610329850**
TUL III 16 08 57 59.6–.53 36.70N–.01 98.43W–.01 6–5 3.8L,3.7L
NEIC III 16 08 58 00.3–.49 36.705N–.01 98.43W–.02 7–6 3.8L,3.7L
ANF III 16 08 58 01.3–2.4 36.72N 98.43W 15–17 4.3L,3.7L
ISC Event type se.
IDC Error ellipse: s-maj=14.8km s-min=12.4km az=169.0.
TUL Event type se. Error ellipse: s-maj=2.2km s-min=1.3km az=148.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=2.0km s-min=1.0km az=104.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ANF Error ellipse: s-maj=7.6km s-min=5.0km az=76.0.
ISC III 22 14 00 09.9–.82 35.86N–.02 96.67W–.02 9–5 3.7b 177 0-73
IDC III 22 14 00 09.6–.79 35.98N 96.78W 0 3.7b,3.6 **¶610423697**
TUL III 22 14 00 09.1–.62 35.85N–.01 96.65W–.03 5–5 4.1L,3.9L
NEIC III 22 14 00 09.9–.55 35.854N–.01 96.66W–.03 5–1 4.1L,3.9L
NEIC III 22 14 00 09.1 35.85N 96.65W 5 4.1L,3.9L
ANF III 22 14 00 09.2–.74 35.86N 96.66W 4–6 4.7L,3.9L
ISC Event type se.
IDC Error ellipse: s-maj=12.4km s-min=9.5km az=156.0.
TUL Event type se. Error ellipse: s-maj=3.4km s-min=1.1km az=64.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=3.9km s-min=2.9km az=68.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}-0.70 $M_{\theta\theta}$3.51 $M_{\phi\phi}$-2.81 $M_{r\theta}$-1.87
$M_{\theta\phi}$-1.65 $M_{\phi r}$1.97 NP1:ϕ_s145.47000°,δ86.56000°,λ-38.11000°. NP2:ϕ_s238.17000°
,δ51.97000°,λ-175.63000°. Principal axes: T 4.8994,Plg23.0000°,Azm198.0000°
; N -0.8752,Plg52.0000°,Azm321.0000°; P -4.0242,Plg29.0000°,Azm95.0000°
$M_0$4.53000$\times10^{14}$
NEIC Event type se.
ANF Error ellipse: s-maj=3.4km s-min=2.4km az=107.0.
ISC III 24 16 55 34.6–1.2 36.13N–.02 97.82W–.02 5–11 89 0-10
TUL III 24 16 55 34.9–.54 36.14N–.01 97.82W–.01 6–7 3.7L,3.6L **¶610434675**
ANF III 24 16 55 34.8–.21 36.16N 97.84W 5 4.1L,3.6L
NEIC III 24 16 55 35.6–.53 36.134N–.01 97.82W–.02 5–2 4.1L,3.6L
ISC Event type se.
TUL Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 25 11 05 34.2–1.1 36.26N–.02 97.58W–.02 9–9 90 0-16
IDC III 25 11 05 33.7–1.1 36.30N 97.63W 0 3.7L,3.4 **¶610435120**
TUL III 25 11 05 34.4–.73 36.28N–.01 97.56W–.01 7–7 3.6L,3.6L
NEIC III 25 11 05 34.5–.75 36.27N–.01 97.57W–.01 5–7 3.6L,3.6L
ANF III 25 11 05 35.8–1.8 36.31N 97.55W 16–13 4.0L,3.6L
ISC Event type se.
IDC Error ellipse: s-maj=13.8km s-min=11.4km az=133.0.
TUL Event type se. Error ellipse: s-maj=1.6km s-min=1.4km az=147.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=1.7km s-min=1.5km az=150.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ANF Error ellipse: s-maj=4.7km s-min=3.7km az=160.0.
ISC III 25 11 33 12.4–1.2 36.27N–.02 97.58W–.02 4–11 52 0-9
ANF III 25 11 33 11.8–.64 36.28N 97.57W 3–6 3.5L **¶610435123**
NEIC III 25 11 33 12.5–.40 36.27N–.01 97.57W–.01 5–7 3.5L
TUL III 25 11 33 12.4–.52 36.28N–.01 97.566W–.01 7–6 3.1L,3.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TUL Event type se. hypocenter. manual.
ISC III 25 20 38 44.1–.83 36.67N–.02 97.73W–.02 15–6 228 0-81
IDC III 25 20 38 44.0–.80 36.80N 97.81W 0 3.7,3.6b **¶610435097**
ANF III 25 20 38 44.6–.81 36.75N 97.72W 15–5 4.8L,3.6b
NEIC III 25 20 38 44.9–.41 36.67N–.02 97.76W–.01 2–7 4.8L,3.6b
NEIC III 25 20 38 44.9 36.68N 97.76W 0 4.8L,3.6b
TUL III 25 20 38 44.3–.95 36.68N–.01 97.76W–.01 8–7 4.1b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}-0.69 $M_{\theta\theta}$5.32 $M_{\phi\phi}$-4.63 $M_{r\theta}$1.84 $M_{\theta\phi}$2.58
$M_{\phi r}$-1.53 NP1:ϕ_s299.90000°,δ84.25000°,λ-23.53000°. NP2:ϕ_s32.40000°,δ66.60000°
,λ-173.73000°. Principal axes: T 6.2581,Plg12.0000°,Azm348.0000°; N -0.2767,Plg66.0000°
,Azm107.0000°; P -5.9814,Plg21.0000°,Azm254.0000° $M_0$6.12000$\times10^{14}$
NEIC Event type se.
TUL Event type se. hypocenter. manual.
ISC III 29 15 37 41.1–.78 36.85N–.02 97.58W–.02 14–5 4.1b 362 0-98
TUL III 29 15 37 40.7–.98 36.82N–.02 97.61W–.02 3–5 4.6L,4.3L **¶610448488**
IDC III 29 15 37 40.6–.64 36.93N 97.60W 0 4.1s,4.1b
NEIC III 29 15 37 41.8–1.2 36.83N–.02 97.61W–.02 6–6 4.1s,4.1b
ANF III 29 15 37 41.4–1.4 36.87N 97.62W 12–10 5.3L,4.1b
NEIC III 29 15 37 41.5 36.81N 97.62W 2 5.3L,4.1b
ISC Event type se.
TUL Event type se. Error ellipse: s-maj=2.8km s-min=1.8km az=224.0. hypocenter. manual.
IDC Error ellipse: s-maj=10.0km s-min=7.6km az=154.0.
NEIC Event type se. Error ellipse: s-maj=3.1km s-min=2.2km az=210.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-0.44 $M_{\theta\theta}$1.78 $M_{\phi\phi}$-1.34 $M_{r\theta}$0.69
$M_{\theta\phi}$-0.10 $M_{\phi r}$0.05 NP1:ϕ_s46.24000°,δ82.56000°,λ165.07000°. NP2:ϕ_s138.22000°,δ75.20000°
,λ7.70000°. Principal axes: T 1.9767,Plg16.0000°,Azm1.0000°; N -0.6303,Plg73.0000°
,Azm200.0000°; P -1.3463,Plg5.0000°,Azm93.0000° $M_0$1.75000$\times10^{15}$
ANF Error ellipse: s-maj=2.8km s-min=2.5km az=80.0.
NEIC Event type se.
ISC IV 04 23 49 52.6–.96 35.99N–.02 97.21W–.02 9–8 93 0-9
TUL IV 04 23 49 52.4–.49 35.989N–.01 97.19W–.01 8–2 3.5L,3.1L **¶610483621**
ANF IV 04 23 49 52.2–.53 36.00N 97.18W 5–4 3.4L,3.1L
NEIC IV 04 23 49 53.0–.40 35.986N–.01 97.20W–.01 5–3 3.4L,3.1L
ISC Event type se.
TUL Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 07 08 01 10.5–1.1 36.53N–.02 98.92W–.03 3–10 64 0-8
TUL IV 07 08 01 09.5–.64 36.53N–.02 98.97W–.02 6–2 3.2L,3.2L **¶610518299**
ANF IV 07 08 01 10.8–.30 36.50N 98.93W 6 3.6L,3.2L
NEIC IV 07 08 01 10.4–.43 36.52N–.02 98.96W–.02 3–4 3.6L,3.2L
ISC Event type se.
TUL Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 09 01 47 32.0–.77 36.22N–.02 97.01W–.02 14–5 3.9s,3.5b 236 0-91
IDC IV 09 01 47 30.7–.96 36.38N 97.01W 0 3.9s,3.8b **¶610523790**
ANF IV 09 01 47 31.4–.27 36.23N 97.01W 5 4.9L,3.8b
TUL IV 09 01 47 31.9–1.1 36.214N–.01 97.01W–.02 7–5 4.2L,4.0L
NEIC IV 09 01 47 32.2–1.0 36.214N–.01 97.026W–.01 7–5 4.2L,4.0L
NEIC IV 09 01 47 32 36.20N 97.03W 4 4.2L,4.0L
ISC Event type se.
IDC Error ellipse: s-maj=14.8km s-min=11.0km az=121.0.
ANF Error ellipse: s-maj=3.6km s-min=3.0km az=120.0.
TUL Event type se. Error ellipse: s-maj=2.3km s-min=1.3km az=79.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=1.5km s-min=1.0km az=195.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}-0.10 $M_{\theta\theta}$1.74
$M_{\phi\phi}$-1.64 $M_{r\theta}$0.03 $M_{\theta\phi}$0.24 $M_{\phi r}$-0.41 NP1:ϕ_s310.00000°,δ80.00000°,λ-10.00000°. NP2:
ϕ_s42.00000°,δ80.00000°,λ-170.00000°. Principal axes: T 1.7590,Plg0.0000°,Azm176.0000°
; N 0.0016,Plg76.0000°,Azm85.0000°; P -1.7606,Plg14.0000°,Azm266.0000°
$M_0$1.76000$\times10^{14}$
ISC IV 13 10 36 27.9–.88 36.69N–.02 97.66W–.02 12–6 192 0-40
IDC IV 13 10 36 26.2–.94 36.79N 97.53W 0 3.9L,3.5b **¶610527269**
TUL IV 13 10 36 27.9–.45 36.702N–.01 97.67W–.02 10–1 3.8L,3.7L
NEIC IV 13 10 36 27 36.69N 97.67W 3 3.8L,3.7L
NEIC IV 13 10 36 28.5–.26 36.697N–.01 97.68W–.01 4–4 3.8L,3.7L
ANF IV 13 10 36 30.2–.83 36.72N 97.70W 24–7 4.5L,3.7L
ISC Event type se.
IDC Error ellipse: s-maj=13.6km s-min=10.0km az=20.0.
TUL Event type se. Error ellipse: s-maj=2.0km s-min=1.2km az=88.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution. Moment tensor: Scale 10^{13}Nm; M_{rr}-0.01 $M_{\theta\theta}$6.96
$M_{\phi\phi}$-6.82 $M_{r\theta}$0.39 $M_{\theta\phi}$-5.87 $M_{\phi r}$1.04 NP1:ϕ_s155.00000°,δ85.00000°,λ-5.00000°. NP2:
ϕ_s245.00000°,δ85.00000°,λ-175.00000°. Principal axes: T 9.0795,Plg0.0000°,Azm20.0000°
; N 0.0793,Plg83.0000°,Azm290.0000°; P -9.1587,Plg7.0000°,Azm110.0000°
$M_0$9.12000$\times10^{13}$
NEIC Event type se. Error ellipse: s-maj=1.7km s-min=1.5km az=119.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ANF Error ellipse: s-maj=2.4km s-min=2.3km az=39.0.
ISC IV 13 11 32 37.7–1.1 36.68N–.02 97.68W–.02 5–10 82 0-10
ANF IV 13 11 32 37.7–.25 36.69N 97.69W 7 3.5L **¶610527272**
TUL IV 13 11 32 37.4–.36 36.701N–.01 97.67W–.01 9–1 3.1L,3.1L
NEIC IV 13 11 32 38.0–.30 36.696N–.01 97.68W–.01 4–3 3.1L,3.1L
ISC Event type se.

TUL Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 16 06 29 29.1–1.1 36.16N–.02 97.42W–.02 7–9 110 0-28
ANF IV 16 06 29 29.0–.55 36.20N 97.42W 0–4 3.8L **¶610528774**
NEIC IV 16 06 29 29.8–.31 36.204N–.01 97.43W–.01 5–2 3.8L
IDC IV 16 06 29 30.5–2.3 36.22N 97.67W 0 3.7L,2.9
TUL IV 16 06 29 30.5–.29 36.206N–.01 97.43W–.01 8–10 3.5L,3.4L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TUL Event type se. hypocenter. manual.
ISC IV 16 09 57 04.4–.80 36.21N–.02 97.43W–.02 10 55 0-9
NEIC IV 16 09 57 04.3–.71 36.19N–.01 97.43W–.01 7–6 **¶610528752**
TUL IV 16 09 57 04.1–1.0 36.21N–.01 97.43W–.01 6–6 3.2L,3.1L
ANF IV 16 09 57 04.4–.27 36.22N 97.42W 7 3.5L,3.1L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=1.9km s-min=1.4km az=168.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TUL Event type se. Error ellipse: s-maj=1.6km s-min=1.1km az=189.0. hypocenter. manual.
ANF Error ellipse: s-maj=3.2km s-min=2.6km az=160.0.
NEIC IV 16 21 51 24.8–1.2 35.69N–.02 98.02W–.02 7–7
TUL IV 16 21 51 24.9–1.4 35.68N–.02 98.02W–.02 6–7 2.9L,2.7L **¶616499073**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TUL Event type se. hypocenter. manual.
ISC IV 22 14 54 51.2–1.0 36.68N–.02 97.68W–.02 5–9 102 0-40
TUL IV 22 14 54 51.5–.34 36.704N–.01 97.67W–.02 8–4 3.6L,3.6L **¶610547335**
IDC IV 22 14 54 51.7–2.4 36.58N 97.46W 0 3.2,3.2b
NEIC IV 22 14 54 52.0–.25 36.698N–.01 97.67W–.02 4–4 3.2,3.2b
ISC Event type se.
TUL Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC IV 24 22 13 35.5–.46 36.78N–.02 98.26W–.02 2–6
TUL IV 24 22 13 34.7–.68 36.791N–.00 98.27W–.02 3–6 3.3L,3.2L **¶610548808**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TUL Event type se. hypocenter. manual.
NEIC IV 25 20 16 14.5–.84 35.586N–.01 97.37W–.01 6–2
TUL IV 25 20 16 14.7–.77 35.593N–.01 97.373W–.01 5–2 3.3L,3.2L **¶610554494**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TUL Event type se. hypocenter. manual.
ISC IV 29 09 48 15.5–.95 36.69N–.02 97.67W–.02 10–8 121 0-10
TUL IV 29 09 48 15.5–.87 36.70N–.01 97.67W–.02 9–1 3.7L,3.7L **¶610589290**
NEIC IV 29 09 48 15.4–.73 36.686N–.01 97.68W–.01 5–2 3.7L,3.7L
ANF IV 29 09 48 15.5–.64 36.69N 97.66W 6–4 4.4L,3.7L
NEIC IV 29 09 48 15 36.69N 97.68W 4 4.4L,3.7L
ISC Event type se.
TUL Event type se. Error ellipse: s-maj=1.9km s-min=1.5km az=96.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=3.0km s-min=1.9km az=6.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ANF Error ellipse: s-maj=3.4km s-min=2.8km az=14.0.
NEIC Event type se. Moment Tensor Solution. Moment tensor: Scale 10^{13}Nm; M_{rr}2.47 $M_{\theta\theta}$6.90 $M_{\phi\phi}$-9.37 $M_{r\theta}$4.21 $M_{\theta\phi}$-0.18 $M_{\phi r}$0.82 NP1:ϕ_s140.00000°,δ65.00000°,λ20.00000°. NP2: ϕ_s41.00000°,δ72.00000°,λ154.00000°. Principal axes: T 9.4461,Plg31.0000°,Azm359.0000° ; N -0.0049,Plg58.0000°,Azm189.0000°; P -9.4412,Plg5.0000°,Azm92.0000° $M_0$9.44000×10^{13}
ISC V 07 21 08 21.5–.91 36.92N–.02 98.13W–.02 10–6 99 0-9
TUL V 07 21 08 21.1–1.0 36.92N–.04 98.13W–.04 8–6 3.3L,3.3L **¶610617932**
ANF V 07 21 08 21.4–1.3 36.90N 98.13W 8 3.8L,3.3L
NEIC V 07 21 08 21.4–1.3 36.91N–.04 98.11W–.03 13–5 3.8L,3.3L
ISC Event type se.
TUL Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 09 14 30 05.3–.68 36.56N–.02 97.62W–.02 10 111 0-9
TUL V 09 14 30 05.1–.40 36.60N–.01 97.61W–.01 8–4 3.6,3.5L **¶610619072**
NEIC V 09 14 30 05.6–.43 36.59N–.01 97.625W–.01 5–1 3.6,3.5L
ANF V 09 14 30 06.2–1.0 36.57N 97.58W 8–8 4.3L,3.5L
ISC Event type se.
TUL Event type se. Error ellipse: s-maj=1.8km s-min=1.3km az=206.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=2.8km s-min=2.0km az=260.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ANF Error ellipse: s-maj=4.4km s-min=3.2km az=164.0.
ISC V 12 16 37 04.5–1.2 36.47N–.02 98.77W–.02 2–10 89 0-10
TUL V 12 16 37 04.8–.87 36.46N–.01 98.79W–.01 6–7 3.6L,3.6L **¶610634664**
ANF V 12 16 37 05.0–.52 36.44N 98.75W 5–4 4.3L,3.6L
NEIC V 12 16 37 05.0–1.2 36.445N–.01 98.75W–.02 5–2 4.3L,3.6L
ISC Event type se.
TUL Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC V 12 17 54 35.3–.59 36.45N–.01 98.79W–.02 8–3
TUL V 12 17 54 35.3–.64 36.46N–.01 98.79W–.02 5–3 3.4L,3.3L **¶610634666**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TUL Event type se. hypocenter. manual.
ISC V 13 08 32 37.4–.93 36.46N–.02 98.68W–.02 9–6 4.2b 392 0-114
IDC V 13 08 32 36.8–.65 36.50N 98.77W 0 4.1,4.0b **¶610638096**
ANF V 13 08 32 36.6–.20 36.48N 98.66W 5 5.5L,4.0b
TUL V 13 08 32 37.3–1.4 36.48N–.03 98.74W–.05 5–5 4.6L,4.6L
NEIC V 13 08 32 37.8 36.46N 98.73W 4 4.6L,4.6L
NEIC V 13 08 32 38–.96 36.47N–.03 98.72W–.04 2–6 4.6L,4.6L
ISC Event type se.
TUL Event type se. hypocenter. manual.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}0.19 $M_{\theta\theta}$2.63 $M_{\phi\phi}$-2.83 $M_{r\theta}$-0.22 $M_{\theta\phi}$-0.04 $M_{\phi r}$-0.58 NP1:ϕ_s314.93000°,δ78.91000°,λ-3.95000°. NP2:ϕ_s45.70000°,δ86.12000° ,λ-168.89000°. Principal axes: T 2.6539,Plg5.0000°,Azm180.0000°; N 0.2835,Plg78.0000° ,Azm65.0000°; P -2.9374,Plg11.0000°,Azm271.0000° $M_0$2.81000×10^{15}
ISC V 13 21 59 29.9–1.0 36.69N–.02 98.42W–.02 7–9 82 0-10
ANF V 13 21 59 29.7–.64 36.71N 98.45W 7–5 3.7L **¶610638572**
TUL V 13 21 59 29.4–.38 36.70N–.02 98.43W–.01 6–6 3.3L,3.2L
NEIC V 13 21 59 30.2–.45 36.70N–.02 98.43W–.02 8–7 3.3L,3.2L
ISC Event type se.
TUL Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 15 02 46 39.6–1.0 35.63N–.03 96.90W–.03 9–8 103 0-11
ANF V 15 02 46 39.2–.27 35.64N 96.88W 5 3.8L **¶610638728**
TUL V 15 02 46 39.2–.84 35.62N–.02 96.89W–.04 5–5 3.2L,3.1
NEIC V 15 02 46 40.5–.86 35.65N–.02 96.90W–.04 8–7 3.2L,3.1
ISC Event type se.
TUL Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 16 11 29 13.1–.87 36.68N–.02 98.41W–.02 11–7 155 0-14
IDC V 16 11 29 11.3–1.1 36.88N 98.53W 0 3.3,3.2L **¶610641568**
ANF V 16 11 29 12.9–.33 36.68N 98.39W 0 4.2L,3.2L
TUL V 16 11 29 12.6–.99 36.70N–.01 98.42W–.02 7–6 3.7L,3.6L
NEIC V 16 11 29 13.2–1.4 36.68N–.02 98.41W–.02 11–6 3.7L,3.6L
ISC Event type se.
TUL Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 20 19 25 18.0–.91 35.87N–.02 96.64W–.02 8–6 101 0-10
ANF V 20 19 25 17.7–.74 35.89N 96.62W 4–5 3.6L **¶610645995**
TUL V 20 19 25 17.5–.45 35.87N–.01 96.64W–.02 6–3 3.1L,3.1L
NEIC V 20 19 25 18.1–.40 35.87N–.01 96.64W–.02 4–4 3.1L,3.1L
ISC Event type se.
TUL Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 21 14 06 15.8–.99 35.80N–.02 97.20W–.02 6–8 133 0-10
ANF V 21 14 06 15.0–.16 35.79N 97.18W 0 4.3L **¶610646098**
TUL V 21 14 06 15.6–.44 35.80N–.01 97.20W–.02 7–6 3.8L,3.6L
NEIC V 21 14 06 16.2–.45 35.80N–.02 97.20W–.02 6–7 3.8L,3.6L
NEIC V 21 14 06 16 35.79N 97.21W 4 3.8L,3.6L
ISC Event type se.
ANF Error ellipse: s-maj=2.4km s-min=1.6km az=166.0.
TUL Event type se. Error ellipse: s-maj=3.2km s-min=0.5km az=123.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=3.6km s-min=0.7km az=126.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}0.00 $M_{\theta\theta}$0.52 $M_{\phi\phi}$-0.52 $M_{r\theta}$-0.05 $M_{\theta\phi}$0.89 $M_{\phi r}$-0.18 NP1:ϕ_s285.00000°,δ80.00000°,λ0.00000°. NP2: ϕ_s15.00000°,δ90.00000°,λ-170.00000°. Principal axes: T 1.0473,Plg7.0000°,Azm150.0000° ; N 0.0001,Plg80.0000°,Azm15.0000°; P -1.0474,Plg7.0000°,Azm240.0000° $M_0$1.05000×10^{14}
ISC V 24 03 47 34.9–.88 36.54N–.02 98.98W–.03 10–6 81 0-9
TUL V 24 03 47 34.7–1.2 36.53N–.02 98.97W–.04 7–7 3.2L,3.1L **¶611150872**
NEIC V 24 03 47 35.0–1.1 36.54N–.02 98.98W–.04 8–7 3.2L,3.1L
ANF V 24 03 47 35.4–.49 36.48N 98.98W 6–3 3.5L,3.1L
ISC Event type se.
TUL Event type se. Error ellipse: s-maj=5.1km s-min=2.3km az=112.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=5.2km s-min=1.0km az=116.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ANF Error ellipse: s-maj=3.6km s-min=2.8km az=81.0.
ISC V 25 16 31 14.9–1.1 35.27N–.02 97.87W–.02 4–10 107 0-10
NEIC V 25 16 31 15.0–.72 35.25N–.01 97.87W–.02 15–5 **¶610654523**
TUL V 25 16 31 15.7–1.1 35.27N–.01 97.87W–.01 7–1 3.2L,2.9L
ANF V 25 16 31 16.1–.82 35.26N 97.91W 10–6 3.6L,2.9L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=2.1km s-min=1.8km az=166.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TUL Event type se. Error ellipse: s-maj=1.7km s-min=1.5km az=63.0. hypocenter. manual.
ANF Error ellipse: s-maj=3.6km s-min=3.3km az=68.0.
ISC V 29 01 28 05.8–1.1 36.22N–.02 98.90W–.03 5–10 122 0-10
ANF V 29 01 28 06.0–.41 36.21N 98.91W 3 3.8L **¶610655280**
TUL V 29 01 28 05.5–.91 36.22N–.02 98.93W–.04 3–7 3.1L,3.0
NEIC V 29 01 28 06.6–.89 36.222N–.01 98.90W–.04 4–8 3.1L,3.0
ISC Event type se.
TUL Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 30 09 23 15.5–.83 36.45N–.02 98.80W–.02 7–6 119 0-14
TUL V 30 09 23 14.9–1.2 36.46N–.02 98.80W–.03 6–6 3.5L,3.4L **¶610655784**
IDC V 30 09 23 14.7–1.8 36.46N 98.67W 0 4.1L,3.5
NEIC V 30 09 23 15.3–1.3 36.46N–.01 98.78W–.02 5–2 4.1L,3.5
NEIC V 30 09 23 15 36.46N 98.78W 4 4.1L,3.5
ANF V 30 09 23 17.0–1.6 36.40N 98.80W 13–13 4.2L,3.5
ISC Event type se.
TUL Event type se. Error ellipse: s-maj=3.0km s-min=1.9km az=108.0. hypocenter. manual.
IDC Error ellipse: s-maj=29.2km s-min=10.6km az=102.0.
NEIC Event type se. Error ellipse: s-maj=3.1km s-min=2.3km az=299.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution. Moment tensor: Scale 10^{13}Nm; M_{rr}-0.73 $M_{\theta\theta}$1.95 $M_{\phi\phi}$-1.22 $M_{r\theta}$1.86 $M_{\theta\phi}$3.29 $M_{\phi r}$-0.98 NP1:ϕ_s16.00000°,δ61.00000°,λ-168.00000°. NP2: ϕ_s280.00000°,δ80.00000°,λ-30.00000°. Principal axes: T 4.2605,Plg13.0000°,Azm331.0000° ; N 0.0008,Plg59.0000°,Azm83.0000°; P -4.2613,Plg28.0000°,Azm234.0000° $M_0$4.27000×10^{13}
ANF Error ellipse: s-maj=4.1km s-min=3.6km az=127.0.
ISC V 30 13 57 23.7–1.2 36.29N–.02 97.50W–.02 2–9 179 0-41
TUL V 30 13 57 24–.20 36.28N–.01 97.51W–.01 6–3 3.8L,3.8 **¶610656117**
NEIC V 30 13 57 24.6–.21 36.28N–.01 97.51W–.01 6–3 3.8L,3.8
NEIC V 30 13 57 24.6 36.28N 97.51W 6 3.8L,3.8
IDC V 30 13 57 25.4–1.0 36.21N 97.45W 0 3.6,3.6b
ANF V 30 13 57 26.5–.85 36.28N 97.49W 24–8 4.5L,3.6b
ISC Event type se.
TUL Event type se. Error ellipse: s-maj=1.6km s-min=1.2km az=165.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=1.6km s-min=1.3km az=157.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}-0.22 $M_{\theta\theta}$4.19 $M_{\phi\phi}$-3.97 $M_{r\theta}$-0.03 $M_{\theta\phi}$-1.05 $M_{\phi r}$0.53 NP1:ϕ_s141.99000°,δ85.59000°,λ-6.22000°. NP2:ϕ_s232.47000°,δ83.80000° ,λ-175.56000°. Principal axes: T 4.3266,Plg1.0000°,Azm187.0000°; N -0.1556,Plg82.0000° ,Azm287.0000°; P -4.1710,Plg8.0000°,Azm97.0000° $M_0$4.25000×10^{14}
NEIC Event type se.
IDC Error ellipse: s-maj=17.6km s-min=12.4km az=145.0.
ANF Error ellipse: s-maj=3.5km s-min=3.0km az=44.0.
ISC V 30 23 12 22.9–.91 36.29N–.02 97.48W–.02 12–6 3.9b 359 0-100
IDC V 30 23 12 22.7–.69 36.34N 97.53W 0 4.1s,3.7 **¶610656207**
TUL V 30 23 12 22.8–1.0 36.28N–.01 97.51W–.02 7–4 4.1,4.0L
NEIC V 30 23 12 22.8 36.28N 97.51W 6 4.1,4.0L
ANF V 30 23 12 23.4–1.3 36.28N 97.48W 12–10 5.0L,4.0L
NEIC V 30 23 12 23.5–.85 36.29N–.01 97.50W–.02 2–6 5.0L,4.0L
ISC Event type se.
TUL Event type se. hypocenter. manual.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}-1.06 $M_{\theta\theta}$7.61 $M_{\phi\phi}$-6.55 $M_{r\theta}$-1.35 $M_{\theta\phi}$-0.18 $M_{\phi r}$1.74 NP1:ϕ_s226.35000°,δ71.99000°,λ-174.61000°. NP2:ϕ_s134.68000° ,δ84.88000°,λ-18.09000°. Principal axes: T 7.8266,Plg9.0000°,Azm182.0000° ; N -0.7689,Plg71.0000°,Azm299.0000°; P -7.0577,Plg16.0000°,Azm89.0000° $M_0$7.47000×10^{14}
ISC V 31 07 03 48.0–.89 36.41N–.02 96.88W–.02 6–6 3.4b 129 0-66
ANF V 31 07 03 47.4–1.0 36.41N 96.87W 2–10 4.0L **¶610656222**
TUL V 31 07 03 47.8–.84 36.40N–.01 96.88W–.03 5–4 3.8L,3.6L
NEIC V 31 07 03 48.7–.96 36.40N–.01 96.88W–.02 5–1 3.8L,3.6L
NEIC V 31 07 03 48 36.41N 96.84W 6 3.8L,3.6L
IDC V 31 07 03 51.7–1.7 37.00N 97.14W 0 4.1L,3.7b
ISC Event type se.
ANF Error ellipse: s-maj=5.8km s-min=3.2km az=82.0.
TUL Event type se. Error ellipse: s-maj=3.0km s-min=1.7km az=80.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=3.5km s-min=2.6km az=81.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution. Moment tensor: Scale 10^{13}Nm; M_{rr}1.69 $M_{\theta\theta}$3.24 $M_{\phi\phi}$-4.93 $M_{r\theta}$-2.67 $M_{\theta\phi}$-0.59 $M_{\phi r}$-1.12 NP1:ϕ_s325.00000°,δ55.00000°,λ20.00000°. NP2: ϕ_s223.00000°,δ74.00000°,λ143.00000°. Principal axes: T 5.2493,Plg37.0000°,Azm179.0000° ; N 0.0008,Plg50.0000°,Azm23.0000°; P -5.2501,Plg12.0000°,Azm278.0000° $M_0$5.25000×10^{13}
IDC Error ellipse: s-maj=33.1km s-min=14.7km az=110.0.
ISC VI 01 03 57 55.5–1.3 35.27N–.03 97.82W–.03 1–11 92 0-10
TUL VI 01 03 57 55.7–1.4 35.26N–.03 97.80W–.03 6–7 3.0L,2.9L **¶610657046**
NEIC VI 01 03 57 56.0–1.2 35.27N–.03 97.80W–.03 9–7 3.0L,2.9L
ANF VI 01 03 57 56.0–.28 35.26N 97.82W 6 3.5L,2.9L
ISC Event type se.
TUL Event type se. Error ellipse: s-maj=5.3km s-min=3.0km az=148.0. hypocenter. manual.

NEIC Event type se. Error ellipse: s-maj=5.5km s-min=3.1km az=147.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ANF Error ellipse: s-maj=3.1km s-min=2.9km az=158.0.
NEIC VI 01 21 06 08.7–.58 36.43N–.02 98.79W–.02 4–6
TUL VI 01 21 06 08.1–.75 36.46N–.02 98.79W–.03 5–7 3.5L,3.3L **¶610659575**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TUL Event type se. hypocenter. manual.
ISC VI 02 14 02 22.7–.81 36.69N–.03 97.67W–.03 10 42 0-40
NEIC VI 02 14 02 22.5–.46 36.684N–.01 97.67W–.02 8–6 **¶610659619**
TUL VI 02 14 02 22.4–.98 36.699N–.01 97.67W–.02 6–7 3.1L,3.1L
IDC VI 02 14 02 22.7–2.6 36.84N 98.01W 0 3.7L,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=2.2km s-min=1.3km az=86.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TUL Event type se. Error ellipse: s-maj=2.2km s-min=1.2km az=83.0. hypocenter. manual.
IDC Error ellipse: s-maj=36.7km s-min=17.7km az=99.0.
ISC VI 07 02 54 34.9–.94 36.45N–.02 98.77W–.02 8–8 133 0-11
TUL VI 07 02 54 34.8–.77 36.46N–.02 98.80W–.04 6–6 3.5L,3.3L **¶610666226**
NEIC VI 07 02 54 34 36.45N 98.76W 5 3.5L,3.3L
ANF VI 07 02 54 35.3–.47 36.43N 98.77W 10–3 4.1L,3.3L
NEIC VI 07 02 54 35.5–.82 36.46N–.02 98.79W–.04 5–7 4.1L,3.3L
ISC Event type se.
TUL Event type se. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution. Moment tensor: Scale 10^{13}Nm; M_{rr}-2.07 $M_{\theta\theta}$5.02 $M_{\phi\phi}$-2.95 $M_{r\theta}$1.57 $M_{\theta\phi}$1.99 $M_{\phi r}$-2.47 NP1:ϕ_s38.00000°,δ57.00000°,λ-156.00000°. NP2: ϕ_s295.00000°,δ70.00000°,λ-35.00000°. Principal axes: T 5.6241,Plg8.0000°,Azm349.0000° ; N -0.0020,Plg50.0000°,Azm89.0000°; P -5.6222,Plg38.0000°,Azm253.0000° $M_0$5.62000×10^{13}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 07 16 41 17.9–1.1 36.22N–.02 98.41W–.02 5–10 123 0-10
ANF VI 07 16 41 18.7–.51 36.19N 98.45W 8–4 4.1L **¶610666954**
TUL VI 07 16 41 18–.77 36.23N–.01 98.43W–.03 6–7 3.7L,3.7L
NEIC VI 07 16 41 18.9–.99 36.23N–.01 98.431W–.00 10–6 3.7L,3.7L
NEIC VI 07 16 41 18 36.22N 98.43W 5 3.7L,3.7L
ISC Event type se.
ANF Error ellipse: s-maj=2.8km s-min=2.5km az=69.0.
TUL Event type se. Error ellipse: s-maj=2.9km s-min=1.9km az=77.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=2.1km s-min=0.4km az=185.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution. Moment tensor: Scale 10^{13}Nm; M_{rr}-1.31 $M_{\theta\theta}$5.65 $M_{\phi\phi}$-4.34 $M_{r\theta}$2.64 $M_{\theta\phi}$2.13 $M_{\phi r}$-2.62 NP1:ϕ_s37.00000°,δ56.00000°,λ-168.00000°. NP2: ϕ_s300.00000°,δ80.00000°,λ-35.00000°. Principal axes: T 6.6796,Plg16.0000°,Azm353.0000° ; N -0.0014,Plg54.0000°,Azm106.0000°; P -6.6782,Plg31.0000°,Azm253.0000° $M_0$6.68000×10^{13}
ISC VI 08 03 09 37.9–.94 36.87N–.03 98.80W–.02 10–7 112 0-40
TUL VI 08 03 09 37.1–1.1 36.87N–.02 98.82W–.04 4–7 3.3L,3.3L **¶610667768**
NEIC VI 08 03 09 37.7–1.3 36.87N–.03 98.81W–.04 10–7 3.3L,3.3L
NEIC VI 08 03 09 37 36.88N 98.83W 3 3.3L,3.3L
ANF VI 08 03 09 38.0–.99 36.87N 98.83W 11–7 4.2L,3.3L
IDC VI 08 03 09 38.1–1.0 36.81N 98.79W 0 3.5,3.0b
ISC Event type se.
TUL Event type se. Error ellipse: s-maj=4.9km s-min=1.9km az=128.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=5.3km s-min=2.6km az=134.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution. Moment tensor: Scale 10^{13}Nm; M_{rr}-1.24 $M_{\theta\theta}$4.69 $M_{\phi\phi}$-3.45 $M_{r\theta}$-1.61 $M_{\theta\phi}$-1.35 $M_{\phi r}$3.08 NP1:ϕ_s238.00000°,δ51.00000°,λ-167.00000°. NP2: ϕ_s140.00000°,δ80.00000°,λ-40.00000°. Principal axes: T 5.6257,Plg19.0000°,Azm195.0000° ; N -0.0052,Plg49.0000°,Azm308.0000°; P -5.6205,Plg35.0000°,Azm91.0000° $M_0$5.62000×10^{13}
ANF Error ellipse: s-maj=4.7km s-min=3.5km az=85.0.
IDC Error ellipse: s-maj=13.9km s-min=11.0km az=128.0.
ISC VI 09 12 23 51.6–1.1 36.60N–.02 97.75W–.02 4–10 82 0-9
ANF VI 09 12 23 51.8–.38 36.56N 97.72W 3 3.5L **¶610668993**
NEIC VI 09 12 23 51.5–.87 36.596N–.01 97.74W–.01 5–5 3.5L
TUL VI 09 12 23 51.2–1.2 36.609N–.01 97.75W–.01 7–6 3.1L,3.1L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TUL Event type se. hypocenter. manual.
ISC VI 10 07 01 47.0–.93 36.46N–.03 98.67W–.03 15–7 122 0-19
IDC VI 10 07 01 45.8–.99 36.49N 98.80W 0 3.7,3.4L **¶610669156**
ANF VI 10 07 01 45.7–.17 36.45N 98.70W 5 4.7L,3.4L
NEIC VI 10 07 01 46.4–.50 36.44N–.02 98.75W–.04 3–4 3.8L,3.7
NEIC VI 10 07 01 46 36.44N 98.83W 6 3.8L,3.7
ISC Event type se.
IDC Error ellipse: s-maj=13.4km s-min=11.5km az=150.0.
ANF Error ellipse: s-maj=2.4km s-min=1.9km az=8.0.
NEIC Event type se. Error ellipse: s-maj=4.7km s-min=3.5km az=95.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}-0.29 $M_{\theta\theta}$1.60 $M_{\phi\phi}$-1.31 $M_{r\theta}$0.01 $M_{\theta\phi}$0.67 $M_{\phi r}$-0.68 NP1:ϕ_s300.00000°,δ70.00000°,λ-15.00000°. NP2: ϕ_s35.00000°,δ76.00000°,λ-159.00000°. Principal axes: T 1.7573,Plg4.0000°,Azm167.0000° ; N 0.0008,Plg65.0000°,Azm68.0000°; P -1.7581,Plg24.0000°,Azm259.0000° $M_0$1.76000×10^{14}
NEIC VI 14 21 21 58.9–.46 36.823N–.01 97.80W–.01 3–5
TUL VI 14 21 21 58.2–.53 36.826N–.01 97.79W–.01 5–3 2.5L,2.1L **¶611151032**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TUL Event type se. hypocenter. manual.
ISC VI 15 07 35 14.7–1.3 36.29N–.02 97.53W–.02 2–11 77 0-41
IDC VI 15 07 35 15.3–2.2 36.33N 97.57W 0 3.5b,3.5L **¶610674319**
TUL VI 15 07 35 15.3–.50 36.29N–.01 97.51W–.02 6–7 3.6L,3.5L
NEIC VI 15 07 35 15.3–.36 36.28N–.01 97.51W–.02 2–7 3.6L,3.5L
ANF VI 15 07 35 15.4–.23 36.30N 97.51W 6 4.0L,3.5L
NEIC VI 15 07 35 15 36.28N 97.51W 6 4.0L,3.5L
ISC Event type se.
IDC Error ellipse: s-maj=28.8km s-min=15.2km az=91.0.
TUL Event type se. Error ellipse: s-maj=2.6km s-min=1.7km az=92.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=2.2km s-min=1.5km az=81.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ANF Error ellipse: s-maj=2.6km s-min=2.3km az=11.0.
NEIC Event type se. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}0.00 $M_{\theta\theta}$1.24 $M_{\phi\phi}$-1.24 $M_{r\theta}$-0.08 $M_{\theta\phi}$0.00 $M_{\phi r}$0.08 NP1:ϕ_s225.00000°,δ85.00000°,λ180.00000°. NP2: ϕ_s315.00000°,δ90.00000°,λ5.00000°. Principal axes: T 1.2448,Plg4.0000°,Azm180.0000° ; N 0.0000,Plg85.0000°,Azm315.0000°; P -1.2448,Plg4.0000°,Azm90.0000° $M_0$1.24000×10^{14}
NEIC VI 15 14 11 25.6–.30 35.871N–.01 96.89W–.02 3–6
TUL VI 15 14 11 25–.54 35.872N–.01 96.89W–.02 7–2 2.7L,2.5 **¶610675385**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TUL Event type se. hypocenter. manual.
NEIC VI 16 04 29 08.5–.50 36.950N–.01 97.83W–.01 5–1 2.6L,2.3
¶611151045
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC VI 16 21 40 55.6–.61 36.454N–.01 96.89W–.01 9–2 2.7L,2.5
¶610678717
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC VI 17 03 40 26.3–.33 36.167N–.01 97.28W–.01 2–6 2.8L,2.6
¶610678738
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC VI 17 06 59 57.4–.26 36.76N–.01 98.07W–.02 8–4 2.8L,2.6
¶610678744
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC VI 17 10 09 24.8–.22 35.87N–.01 96.649W–.01 5–2 2.5L,2.3
¶611151057
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 17 12 06 27.5–.70 35.01N–.02 97.63W–.02 10 82 0-14
NEIC VI 17 12 06 27.8–1.5 35.01N–.01 97.60W–.03 6–7 3.3L,3.2 **¶610680839**
ANF VI 17 12 06 28.0–.24 35.00N 97.63W 6 3.9L,3.2
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=3.4km s-min=1.8km az=79.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ANF Error ellipse: s-maj=2.8km s-min=2.2km az=140.0.
NEIC VI 18 21 15 11.7–.70 36.218N–.01 98.93W–.05 8–7 2.7,2.7L
¶611151065
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC VI 19 00 08 46.4–.65 35.800N–.01 97.21W–.01 5–2 2.4L,2.2
¶611151066
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC VI 19 00 24 48.5–1.4 35.592N–.01 97.38W–.01 5–1 2.5L,2.2
¶611151067
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC VI 19 12 35 21.4–1.3 36.19N–.02 98.93W–.03 5–2
TUL VI 19 12 35 21.2–1.2 36.21N–.02 98.95W–.04 5–6 2.7L,2.7 **¶610681815**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TUL Event type se. hypocenter. manual.
NEIC VI 19 15 17 31.8–.23 36.117N–.01 97.82W–.01 2–3 2.9L,2.5
¶610681817
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC VI 19 18 10 58.3–.29 35.616N–.01 96.88W–.03 5–4
TUL VI 19 18 10 57.6–.23 35.62N–.01 96.90W–.02 5–4 3.0L,3.0L **¶610681810**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TUL Event type se. hypocenter. manual.
ISC VI 20 06 23 17.4–1.1 36.28N–.02 97.52W–.02 6–10 60 0-9
ANF VI 20 06 23 16.9–.30 36.30N 97.51W 1 3.3L **¶610681928**
NEIC VI 20 06 23 18.1–.34 36.282N–.01 97.52W–.01 4–4 3.1L,2.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC VI 20 23 01 44.0–.63 35.50N–.01 97.019W–.01 6–2 2.8L,2.5
¶610686645
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC VI 21 10 32 38.7–.33 35.861N–.01 96.69W–.01 6–4 2.6L,2.3
¶611151081
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC VI 21 10 40 50.9–.33 36.54N–.02 98.94W–.03 4–4 2.5L,2.1
¶611151082
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 23 05 04 37.9–1.3 36.44N–.02 98.75W–.02 0–15 64 0-10
NEIC VI 23 05 04 38.7–.51 36.45N–.01 98.79W–.02 1–6 3.0L,2.9 **¶610693797**
ANF VI 23 05 04 38.6–.49 36.44N 98.75W 1 3.5L,2.9
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=3.3km s-min=0.7km az=58.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ANF Error ellipse: s-maj=6.0km s-min=4.3km az=146.0.
NEIC VI 24 00 45 37.5–.87 36.70N–.02 98.43W–.01 5–2 2.7L,2.4
¶611151105
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC VI 24 16 13 29.5–.38 36.45N–.01 96.89W–.02 6–3 2.7,2.3L
¶611151109
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC VI 24 16 14 11.8–.36 36.45N–.01 96.88W–.02 2–4 2.9L,2.8
¶611151112
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC VI 25 01 32 21.7–1.1 36.89N–.03 99.63W–.03 3–2 3.2L,2.8
¶611189128
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC VI 25 13 35 19.0–.33 35.840N–.01 96.61W–.01 6–3 2.5L,2.3
¶611189148
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC VI 25 23 58 34.1–.77 36.684N–.01 97.68W–.01 5–6 2.7L,2.5
¶611189161
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC VI 27 00 20 14.6–1.3 36.229N–.01 98.42W–.01 5–2 2.6L,2.2
¶611189185
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC VI 27 00 24 49.5–.97 35.805N–.00 97.21W–.01 5–1 2.5L,2.3
¶611189186
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 27 06 07 54.3–1.2 36.47N–.02 97.29W–.02 2–10 87 0-41
NEIC VI 27 06 07 54.9–.95 36.47N–.02 97.29W–.02 5–2 3.6L,3.3 **¶610695210**
IDC VI 27 06 07 54.2–.99 36.53N 97.29W 0 3.7b,3.3
ANF VI 27 06 07 54.1–.22 36.47N 97.27W 0 4.2L,3.3
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=3.1km s-min=2.8km az=34.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=13.7km s-min=11.4km az=125.0.
ANF Error ellipse: s-maj=2.4km s-min=2.1km az=27.0.
NEIC VI 27 14 57 52.9–.38 35.793N–.01 96.65W–.01 3–3 3.0L,2.6
¶610696719
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC VI 27 15 42 53.2–.97 36.54N–.02 98.99W–.02 5–1 2.5L,2.3
¶611189198
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 29 11 31 55.1–1.0 36.52N–.02 98.93W–.02 4–9 80 0-10
TUL VI 29 11 31 54.9–.99 36.53N–.03 98.97W–.04 6–5 3.5L,3.5L **¶610699305**
ANF VI 29 11 31 55.9–.35 36.52N 98.95W 7 4.2L,3.5L
NEIC VI 29 11 31 56.2–.89 36.51N–.03 98.92W–.02 4–5 4.2L,3.5L
ISC Event type se.
TUL Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC VI 29 12 47 30.3–.57 36.53N–.03 98.97W–.03 6–4
TUL VI 29 12 47 29.7–.56 36.53N–.03 98.97W–.04 6–4 2.8L,2.5L **¶611189222**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
TUL Event type se. hypocenter. manual.

NEIC VI 29 18 28 36.7–1.2 36.51N–.02 98.89W–.04 5–2 3.0L,2.8
¶611189229
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC VI 30 17 02 35.7–.47 36.444N–.01 96.878W–.01 5–1 3.1L,2.6
¶610728757
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 30 22 49 07.6–1.2 35.98N–.02 97.23W–.02 0–12 87 0-14
ANF VI 30 22 49 07.7–.47 35.97N 97.16W 4 3.7L ¶610728837
NEIC VI 30 22 49 07.4–1.1 36.008N–.01 97.24W–.05 4–6 3.4L,3.2
IDC VI 30 22 49 10.6–3.5 35.67N 97.20W 0 3.2,2.5L
ISC Event type se.
ANF Error ellipse: s-maj=5.4km s-min=4.2km az=171.0.
NEIC Event type se. Error ellipse: s-maj=5.8km s-min=0.9km az=79.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=75.9km s-min=14.8km az=113.0.

(500) Central Texas.
NEIC VI 21 22 52 05.3–1.1 32.93N–.04 97.60W–.05 3–8 2.9L,2.8
¶610690725
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(502) Arkansas.
ISC I 12 06 42 58.2–1.1 34.17N–.03 92.49W–.03 7–10 145 0-10
SLM I 12 06 42 58.8–1.0 34.18N–.04 92.49W–.05 10–6 3.3L,3.1 ¶610570631
NEIC I 12 06 42 58.8–.95 34.18N–.04 92.49W–.06 10–6 3.3L,3.1
ANF I 12 06 42 58.2–.25 34.15N 92.49W 5–2 3.8L,3.1
ISC Event type se.
SLM Event type se. Error ellipse: s-maj=5.8km s-min=5.7km az=56.0. hypocenter. manual.
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=5.4km az=80.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ANF Error ellipse: s-maj=2.2km s-min=1.3km az=10.0.

(509) Georgia.
IDC V 01 11 38 17.4–999 31.88N 81.18W 0
¶610689302
IDC Error ellipse: s-maj=1155.0km s-min=280.2km az=154.0.
IDC VI 03 21 35 37.5–999 31.82N 81.09W 0
¶610791191
IDC Error ellipse: s-maj=1801.0km s-min=332.0km az=160.0.

(511) South Carolina.
ISC VI 20 15 14 03.6–1.2 33.42N–.03 81.99W–.02 6–11 116 0-9
SLM VI 20 15 14 04.9–1.4 33.43N–.04 82.02W–.02 13–8 3.5L,3.2 ¶610686599
ANF VI 20 15 14 04.3–.30 33.43N 82.03W 10–2 3.8L,3.2
NEIC VI 20 15 14 05–1.1 33.43N–.01 81.99W–.04 12–8 3.8L,3.2
ISC Event type se.
SLM Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(513) Off east coast of United States.
IDC III 19 00 35 04.6–999 29.70N 76.27W 0
¶610546481
IDC Error ellipse: s-maj=535.1km s-min=191.3km az=59.0.
IDC IV 18 15 20 11.1–999 29.53N 79.44W 0
¶610652988
IDC Error ellipse: s-maj=601.5km s-min=214.4km az=14.0.

(525) Veracruz.
ISC II 15 09 56 34.9–1.2 19.31N–.03 96.14W–.02 3–9 4.2b,3.3s 355 0-81
NEIC II 15 09 56 36.5–2.3 19.29N–.05 96.14W–.01 14–7 4.8,4.4b ¶610215112
MEX II 15 09 56 38.9–.79 19.34N 96.21W 17–42 4.8,4.4b
IDC II 15 09 56 39.6–3.6 19.24N 96.20W 35–32 3.8L,3.7
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=6.9km s-min=1.5km az=177.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MEX Error ellipse: s-maj=2.9km s-min=3.3km az=-1.0.
IDC Error ellipse: s-maj=45.5km s-min=13.3km az=61.0.

SEISMIC REGION 35.
Eastern South America.

(528) Brazil.
ISC I 03 12 43 44.1–.42 3.33S–.04 43.96W–.05 10 4.5b,3.4s 98 0-153
VAO I 03 12 43 42.6–.24 3.33S 43.94W 0 4.6,3.4s ¶610236563
IDC I 03 12 43 43.0–.68 3.25S 43.84W 0 4.6L,4.1
NEIC I 03 12 43 45.7–2.5 3.35S–.09 43.97W–.09 10–1 4.5b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 12 20 21 10.3–.51 8.65S–.05 53.26W–.05 10 4.2b,3.2s 57 3-151
VAO II 12 20 21 09.2–.21 8.55S 53.29W 0 3.9,3.2s ¶610415398
NEIC II 12 20 21 09.7–2.7 8.81S–.09 53.3W–.10 10–2 4.4b,3.2s
IDC II 12 20 21 09.5–.75 8.73S 53.24W 0 3.9,3.9b
ISC Event type se.
VAO Error ellipse: s-maj=2.1km s-min=2.0km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=20.3km s-min=14.6km az=89.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=23.3km s-min=18.5km az=20.0.
VAO II 17 17 15 42.3–.42 22.42S 40.10W 0 3.5
¶615414163
VAO Error ellipse: s-maj=2.2km s-min=2.7km az=-1.0.
VAO III 01 22 46 33.9–.44 0.61N 50.18W 0 3.8
¶615524269
VAO Error ellipse: s-maj=3.4km s-min=1.9km az=-1.0.
ISC III 03 18 15 01.8–.72 8.66S–.07 53.28W–.06 10 3.6b 26 3-151
IDC III 03 18 15 00.4–.98 8.62S 53.25W 0 3.8,3.6L ¶610545468
VAO III 03 18 15 01.2–.26 8.60S 53.29W 0 3.9,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=32.6km s-min=28.7km az=85.0.
VAO Error ellipse: s-maj=2.4km s-min=2.6km az=-1.0.
VAO III 24 09 06 02.0–.28 2.59S 49.53W 0 3.5
¶615524294
VAO Error ellipse: s-maj=2.9km s-min=2.3km az=-1.0.

(531) French Guiana.
IDC II 14 21 46 06.4–287 5.25N 51.66W 0
¶610415531
IDC Error ellipse: s-maj=249.4km s-min=124.8km az=117.0.
VAO III 08 07 26 04.2–.66 5.64N 53.13W 10 4.1
¶615524277
VAO Error ellipse: s-maj=4.3km s-min=3.8km az=-1.0.
ISC VI 01 06 55 10.8–.72 5.34N–.07 52.78W–.08 10 3.8b 25 6-73
IDC VI 01 06 55 10.1–.99 5.68N 52.61W 0 3.7,3.7b ¶610791020
VAO VI 01 06 55 14.1–.65 4.98N 52.94W 0 4.2b,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=30.2km s-min=23.8km az=107.0.
VAO Error ellipse: s-maj=4.5km s-min=3.8km az=-1.0.

SEISMIC REGION 36.
Northwestern Europe.

(533) United Kingdom.
IDC I 09 08 45 34.5–999 54.80N 2.41W 0
¶610237012
IDC Error ellipse: s-maj=641.5km s-min=213.9km az=101.0.
IDC I 09 09 04 06.3–999 54.68N 0.48W 0
¶610237014
IDC Error ellipse: s-maj=523.7km s-min=205.7km az=102.0.
BGS II 20 19 41 03.9–.74 53.12N 4.48W 10–3 0.4L
¶610239206
BGS Error ellipse: s-maj=4.0km s-min=9.8km az=-1.0.
IDC II 24 11 24 59.0–999 50.81N 3.14W 0
¶610384932
IDC Error ellipse: s-maj=923.2km s-min=218.2km az=85.0.
IDC II 24 11 41 35.9–999 50.45N 3.21W 0
¶610384933
IDC Error ellipse: s-maj=974.5km s-min=218.9km az=84.0.
IDC III 13 13 35 46.2–898 53.81N 0.38E 0
¶610546141
IDC Error ellipse: s-maj=445.0km s-min=184.8km az=103.0.
IDC V 09 18 43 19.9–607 56.80N 1.05W 0
¶610689913
IDC Error ellipse: s-maj=251.4km s-min=174.5km az=109.0.

(534) North Sea.
IDC I 09 14 13 06.5–543 53.76N 3.12E 0
¶610237033
IDC Error ellipse: s-maj=230.8km s-min=139.3km az=113.0.
IDC I 17 08 47 34.0–784 54.03N 0.39E 0
¶610237582
IDC Error ellipse: s-maj=407.6km s-min=188.8km az=104.0.
IDC I 23 10 47 36.0–999 54.58N 2.62E 0
¶610235183
IDC Error ellipse: s-maj=465.6km s-min=175.1km az=111.0.
IDC I 23 10 58 56.1–638 54.44N 1.40E 0
¶610235185
IDC Error ellipse: s-maj=347.5km s-min=180.6km az=110.0.
IDC I 26 10 39 56.2–999 56.49N 2.32E 0
¶610235379
IDC Error ellipse: s-maj=479.4km s-min=201.3km az=114.0.
IDC I 26 14 41 22.8–999 56.21N 1.93E 0
¶610235391
IDC Error ellipse: s-maj=457.6km s-min=179.8km az=116.0.
IDC I 30 14 44 54.7–658 55.92N 1.14E 0
¶610235741
IDC Error ellipse: s-maj=280.4km s-min=213.5km az=79.0.
IDC I 31 09 31 27.7–702 53.45N 1.05E 0
¶610235809
IDC Error ellipse: s-maj=370.2km s-min=212.4km az=98.0.
IDC I 31 09 43 31.0–615 53.82N 1.09E 0
¶610235811
IDC Error ellipse: s-maj=338.0km s-min=199.5km az=104.0.
IDC I 31 12 14 41.1–619 54.09N 0.99E 0
¶610235819
IDC Error ellipse: s-maj=341.2km s-min=216.0km az=103.0.
IDC I 31 13 06 42.0–999 56.57N 1.89E 0
¶610235822
IDC Error ellipse: s-maj=447.5km s-min=185.5km az=116.0.
IDC I 31 13 33 58.3–604 56.42N 0.47W 0
¶610235824
IDC Error ellipse: s-maj=342.6km s-min=207.0km az=112.0.
IDC II 02 12 22 20.6–849 53.84N 3.72E 0
¶610414671
IDC Error ellipse: s-maj=381.0km s-min=149.9km az=112.0.
IDC II 02 13 19 16.4–904 56.69N 4.77E 0
¶610414677
IDC Error ellipse: s-maj=401.6km s-min=178.2km az=126.0.
IDC II 07 18 26 10.9–983 53.88N 4.04E 0
¶610415061
IDC Error ellipse: s-maj=417.0km s-min=150.0km az=116.0.
IDC II 08 09 16 51.5–947 53.52N 4.63E 0
¶610415106
IDC Error ellipse: s-maj=399.9km s-min=145.6km az=116.0.
IDC II 08 09 18 52.2–972 53.93N 3.68E 0
¶610415107
IDC Error ellipse: s-maj=428.5km s-min=147.9km az=115.0.
IDC II 09 18 04 14.6–605 57.42N 0.65W 0
¶610415193
IDC Error ellipse: s-maj=349.7km s-min=213.0km az=115.0.
IDC II 15 13 42 06.2–999 55.12N 3.11E 0
¶610415568
IDC Error ellipse: s-maj=443.3km s-min=174.7km az=115.0.
IDC II 17 10 25 24.6–592 55.25N 0.40E 0
¶610415683
IDC Error ellipse: s-maj=332.7km s-min=198.3km az=110.0.
IDC II 17 10 49 57.6–999 56.34N 2.59E 0
¶610415685
IDC Error ellipse: s-maj=453.0km s-min=217.2km az=121.0.
IDC III 06 09 31 32.2–684 52.92N 3.83E 0
¶610545648
IDC Error ellipse: s-maj=277.6km s-min=156.5km az=110.0.
IDC III 07 09 52 46.0–897 53.11N 3.90E 0
¶610545724
IDC Error ellipse: s-maj=392.1km s-min=153.7km az=107.0.
IDC III 08 13 09 18.2–486 54.53N 0.69E 0
¶616603836
IDC Error ellipse: s-maj=265.4km s-min=191.4km az=92.0.
IDC III 09 09 03 07.9–644 53.34N 1.22E 0
¶610545866
IDC Error ellipse: s-maj=350.4km s-min=177.3km az=105.0.
IDC III 13 12 28 02.7–990 54.08N 0.10E 0
¶610546137
IDC Error ellipse: s-maj=476.4km s-min=199.2km az=101.0.
IDC III 16 08 32 49.2–596 54.39N 0.79E 0
¶610546299
IDC Error ellipse: s-maj=335.9km s-min=188.6km az=109.0.
IDC III 16 08 40 19.3–597 54.60N 1.00E 0
¶610546300
IDC Error ellipse: s-maj=336.4km s-min=186.4km az=111.0.
IDC III 16 13 24 38.8–610 54.68N 0.48E 0
¶610546315
IDC Error ellipse: s-maj=343.0km s-min=192.1km az=110.0.
IDC III 22 19 55 24.0–599 54.58N 0.94E 0
¶610543487
IDC Error ellipse: s-maj=340.8km s-min=192.2km az=111.0.
IDC III 22 19 57 17.7–999 53.83N 4.10E 0
¶610543488
IDC Error ellipse: s-maj=440.6km s-min=167.2km az=114.0.
IDC III 27 13 44 52.6–635 57.62N 0.71E 0
¶616603838
IDC Error ellipse: s-maj=242.8km s-min=196.6km az=88.0.
IDC III 27 16 27 25.9–674 56.84N 0.81W 0
¶610543807
IDC Error ellipse: s-maj=383.4km s-min=241.8km az=44.0.
IDC III 30 15 53 27.0–646 57.02N 2.07E 0
¶610544001
IDC Error ellipse: s-maj=229.0km s-min=189.7km az=107.0.
IDC III 31 08 16 28.5–713 54.18N 7.55E 0
¶610544039
IDC Error ellipse: s-maj=310.3km s-min=137.9km az=130.0.
IDC III 31 12 14 41.4–999 54.25N 7.24E 0
¶610544051
IDC Error ellipse: s-maj=506.2km s-min=229.6km az=45.0.
IDC IV 04 07 56 48.7–852 54.53N 5.53E 0

¶610651895
IDC Error ellipse: s-maj=364.3km s-min=159.1km az=121.0.
IDC IV 18 11 33 35.4–590 53.67N 1.66E 0
¶610652977
IDC Error ellipse: s-maj=326.3km s-min=172.0km az=109.0.
IDC IV 18 20 10 32.9–283 53.09N 1.95E 0
¶610653008
IDC Error ellipse: s-maj=193.8km s-min=120.8km az=146.0.
IDC IV 24 08 58 54.7–615 54.04N 6.45E 0
¶610649873
IDC Error ellipse: s-maj=230.5km s-min=133.3km az=136.0.
IDC IV 25 20 47 30.0–558 53.75N 2.24E 0
¶610650014
IDC Error ellipse: s-maj=265.5km s-min=177.0km az=97.0.
IDC IV 27 21 47 48.6–551 54.63N 1.19E 0
¶610650169
IDC Error ellipse: s-maj=324.2km s-min=150.4km az=108.0.
IDC IV 27 22 01 50.2–758 54.90N 2.08E 0
¶610650171
IDC Error ellipse: s-maj=387.8km s-min=130.8km az=120.0.
IDC V 09 21 51 00.5–614 56.66N 0.51W 0
¶610689917
IDC Error ellipse: s-maj=249.8km s-min=169.6km az=109.0.
BGS V 10 10 22 43.3–1.4 51.35N 2.12E 6–14 2.0L
STR V 10 10 22 43.3–.65 51N–6.0 2E–3.0 0 2.3 ¶610769196
STR Event type se. manual. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/haslach_taup-2.11. preliminary.
IDC V 11 19 03 43.2–548 56.00N 0.78E 0
¶610690077
IDC Error ellipse: s-maj=259.6km s-min=195.1km az=92.0.
IDC V 25 13 50 11.9–592 53.73N 1.92E 0
¶610685369
IDC Error ellipse: s-maj=246.8km s-min=153.8km az=94.0.

(535) Southern Norway.

DNK III 01 15 28 55.1–.36 58.40N 8.68E 20–10
¶611676926
DNK Error ellipse: s-maj=9.4km s-min=4.6km az=-1.0.

(536) Sweden.

ISC I 05 00 39 15.4–.97 67.84N–.04 20.22E–.03 8–9 21 0-8
UPP I 05 00 39 15.5–.00 67.85N 20.21E 0 2.3L ¶610236746
IDC I 05 00 39 16.4–1.3 67.78N 20.85E 0 3.0,2.1L
ISC Event type ke.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=19.4km s-min=7.7km az=115.0.
UPP I 11 00 30 42.9–.00 67.83N 20.19E 0 2.7L
¶611909022
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
UPP I 12 23 06 56.1–.10 67.15N 20.68E 1 1.7L
¶611909054
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
ISC I 13 00 14 58.9–.96 67.97N–.02 18.50E–.02 8–7 3.5b 166 0-56
UPP I 13 00 14 58.4–.20 67.99N 18.44E 4 2.9L ¶615527741
DNK I 13 00 14 58.3–.82 67.99N 18.39E 4 2.9L
NAO I 13 00 14 58.9–.60 67.99N 18.57E 3.6L
IDC I 13 00 14 59.5–.62 67.97N 18.86E 0 3.6,3.6b
BER I 13 00 14 59.8–1.5 67.96N 18.55E 0–5 3.2L,2.6L
HEL I 13 00 14 59.3–.20 67.99N 18.43E 5 3.1L,2.9L
IEPN I 13 00 15 01.0 67.81N 18.35E 10 3.1L,2.9L
ISC Event type ke.
UPP Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Confirmed Earthquake.
DNK Error ellipse: s-maj=2.9km s-min=9.0km az=-1.0. Probable volcanic.
IDC Error ellipse: s-maj=11.2km s-min=5.8km az=121.0.
BER Event type ke. Error ellipse: s-maj=2.9km s-min=5.6km az=-1.0. Confirmed Earthquake.
HEL Event type ke. Error ellipse: s-maj=1.0km s-min=1.5km az=-1.0. Confirmed Earthquake.
IEPN station KLMR has station magnitude of 3.60.
ISC I 13 00 28 18.8–1.2 67.83N–.04 20.21E–.04 10 13 0-2
UPP I 13 00 28 18.6–.00 67.84N 20.20E 0 2.6L ¶611909056
ISC Event type ke.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
UPP I 15 01 24 09.2–.10 67.84N 20.19E 0 2.3L
¶611909093
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
UPP I 22 23 04 19.9–.10 67.18N 20.64E 0 1.8L
¶611909179
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
UPP I 27 00 25 41.8–.00 67.82N 20.20E 0 2.4L
¶611909241
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
ISC I 31 00 43 44.0–1.1 67.82N–.04 20.21E–.04 10 13 0-1
UPP I 31 00 43 44.4–.00 67.82N 20.18E 0 2.5L ¶611909284
ISC Event type ke.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
ISC I 31 18 07 55.8–1.2 67.08N–.03 20.92E–.03 4–10 26 0-11
UPP I 31 18 07 55.6–.10 67.07N 20.93E 0 2.4L ¶610235838
IDC I 31 18 07 56.5–.79 67.09N 21.16E 0 3.2,2.3L
ISC Event type ke.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=14.1km s-min=7.2km az=110.0.
IDC II 07 13 28 53.3–340 65.17N 23.77E 0
¶610415046
IDC Error ellipse: s-maj=141.7km s-min=91.4km az=161.0.
UPP II 15 00 29 29.3–.10 67.84N 20.20E 0 2.4L
¶611909481
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
UPP II 16 00 24 48.3–.10 67.83N 20.20E 0 2.3L
¶611909511
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
UPP II 27 23 08 24.5–.10 67.17N 20.64E 0 1.9L
¶611909658
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
ISC III 02 16 26 48.2–.90 56.16N–.02 12.38E–.02 29–8 196 0-15
DNK III 02 16 26 48.6–2.8 56.13N 12.31E 28–5 2.7L,2.5W ¶610244797
BER III 02 16 26 48.8–2.9 56.11N 12.26E 11–11 2.4L,2.0L
UPP III 02 16 26 49.2–.20 56.14N 12.41E 25–1 2.4L,2.0L
NAO III 02 16 26 51.5–3.2 56.43N 12.02E 7–14 2.4L,2.0L
IDC III 02 16 26 53.3–2.5 56.53N 12.28E 0 3.4,2.0L
ISC Event type ke.
DNK Error ellipse: s-maj=3.9km s-min=7.3km az=-1.0. Probable volcanic. Moment Tensor Solution. NP1:ϕ_s21.00000°,δ52.00000°,λ31.00000°.
BER Event type ke. Error ellipse: s-maj=7.8km s-min=9.4km az=-1.0. Confirmed Earthquake.
UPP Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Confirmed Earthquake.
NAO Error ellipse: s-maj=0.2km s-min=0.1km az=-1.0.
IDC Error ellipse: s-maj=20.5km s-min=17.4km az=46.0.
UPP III 03 00 31 19.8–.10 67.84N 20.21E 0 1.7L
¶616603654
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
UPP III 04 23 02 46.4–.10 67.19N 20.64E 0 1.6L
¶611909720
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
UPP III 05 00 18 01.4–.20 67.82N 20.30E 0 1.6L
¶611909721
UPP Error ellipse: s-maj=0.0km s-min=0.1km az=-1.0. Suspected explosion.
UPP III 16 16 18 46.0–.40 56.00N 15.53E 0 2.6L
¶616603655
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
UPP III 18 00 36 15.6–.10 67.83N 20.21E 0 2.2L
¶611909892
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
UPP III 21 00 41 58.2–.40 67.86N 20.19E 0–3 2.3L
¶611909922
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
ISC III 30 09 46 54.7–1.0 67.63N–.03 21.03E–.04 10 14 0-2
UPP III 30 09 46 54.9–.00 67.64N 21.03E 0 2.5L ¶611910030
ISC Event type ke.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
IDC IV 04 08 30 12.4–2.1 67.85N 20.54E 0 3.1,2.1L
¶610651897
IDC Error ellipse: s-maj=24.4km s-min=8.9km az=107.0.
IDC IV 25 11 20 24.1–4.0 65.24N 18.96E 0 2.5,2.1L
¶610649984
IDC Error ellipse: s-maj=54.4km s-min=17.1km az=83.0.
UPP IV 25 22 03 35.3–.10 67.18N 20.68E 0 1.7L
¶611910292
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
UPP IV 27 22 02 03.1–.10 67.17N 20.70E 0 1.5L
¶611910318
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
ISC IV 28 13 26 22.0–.97 67.99N–.02 18.43E–.02 8–7 154 0-53
DNK IV 28 13 26 22.6–1.8 68.03N 18.50E 0–8 3.0L ¶610645566
NAO IV 28 13 26 22.4–.50 68.01N 18.59E 3.2L
UPP IV 28 13 26 22.4–.40 68.00N 18.43E 2–2 3.0L
IDC IV 28 13 26 23.2–.89 68.00N 18.72E 0 4.0b,3.6
HEL IV 28 13 26 23.2–.10 67.97N 18.47E 6 3.0L,2.6L
BER IV 28 13 26 24.2–2.3 68.03N 18.52E 1 3.0L,2.8L
ISC Event type ke.
DNK Error ellipse: s-maj=5.8km s-min=18.6km az=-1.0. Probable volcanic.
UPP Event type ke. Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Confirmed Earthquake.
IDC Error ellipse: s-maj=13.5km s-min=6.0km az=124.0.
HEL Event type ke. Error ellipse: s-maj=0.6km s-min=0.8km az=-1.0. Confirmed Earthquake.
BER Event type ke. Error ellipse: s-maj=2.9km s-min=6.2km az=-1.0. Confirmed Earthquake.
ISC V 02 17 14 29.2–1.2 67.09N–.03 20.94E–.04 15–9 22 0-11
UPP V 02 17 14 29.3–.10 67.04N 20.97E 0 2.3L ¶610689408
IDC V 02 17 14 29.7–.82 67.02N 21.09E 0 3.1,2.3L
ISC Event type ke.
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
IDC Error ellipse: s-maj=13.5km s-min=7.6km az=109.0.
UPP V 05 08 05 20.7–.00 59.50N 17.85E 0 1.7L
¶611910409
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
UPP V 24 23 30 06.0–.00 67.86N 20.19E 0 2.1L
¶611910624
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
UPP VI 12 23 37 46.5–.10 67.82N 20.20E 4–4 2.1L
¶611910743
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
UPP VI 12 23 37 49.0–.00 67.85N 20.20E 0 2.1L
¶611910746
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
UPP VI 18 23 38 36.4–.10 67.85N 20.21E 0 2.2L
¶617481152
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.
UPP VI 28 22 11 48.8–.10 67.17N 20.64E 0 1.8L
¶611910859
UPP Error ellipse: s-maj=0.0km s-min=0.0km az=-1.0. Suspected explosion.

(537) Baltic Sea.

IDC I 10 08 53 29.0–643 57.27N 18.56E 0
¶610237068
IDC Error ellipse: s-maj=249.5km s-min=169.6km az=57.0.
IDC I 10 10 12 02.5–460 56.92N 18.31E 0
¶610237073
IDC Error ellipse: s-maj=175.4km s-min=153.0km az=1.0.
IDC I 10 10 38 00.4–384 56.07N 17.58E 0
¶610237077
IDC Error ellipse: s-maj=155.5km s-min=126.6km az=14.0.
IDC II 01 10 13 20.8–452 56.44N 18.89E 0
¶610414604
IDC Error ellipse: s-maj=163.9km s-min=157.4km az=178.0.
IDC II 01 10 37 43.3–452 56.35N 18.54E 0
¶610414606
IDC Error ellipse: s-maj=165.8km s-min=155.1km az=4.0.
IDC II 01 13 57 40.7–456 56.92N 20.30E 0
¶610414615
IDC Error ellipse: s-maj=162.4km s-min=154.3km az=57.0.
IDC V 03 12 24 22.6–472 57.13N 19.31E 0
¶610689479
IDC Error ellipse: s-maj=171.9km s-min=162.3km az=137.0.

(538) France.

ISC I 04 02 09 49.4–1.1 47.29N–.02 3.13W–.03 9–9 93 1-7
LDG I 04 02 09 51.1–.06 47.37N 3.16W 3 2.7L,2.7L ¶610130558
STR I 04 02 09 53.4–1.1 47N–6.0 3W–6.0 5 2.5L,2.7L
BGS I 04 02 09 54.2–2.0 47.43N 3.33W 6–304 2.1L,2.7L
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=1.3km s-min=0.8km az=67.0.
STR Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=45.9. manual. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/haslach_taup-2.11. preliminary.
BGS Error ellipse: s-maj=129.6km s-min=626.2km az=-1.0.
ISC I 07 06 35 05.5–.95 48.00N–.02 2.47W–.02 19–2 213 0-8
STR I 07 06 35 05.8–.25 48N–2.0 2W–2.0 5 3.9 ¶610130587
BGS I 07 06 35 07.6–1.1 47.98N 2.62W 8–17 3.2L,3.2L
LDG I 07 06 35 07.1–.06 48.02N 2.51W 2 3.5L,3.4
ISC Event type ke.
STR Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=65.9. manual. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/alpes_taup-2.11. preliminary.
BGS Error ellipse: s-maj=14.3km s-min=12.6km az=-1.0.
LDG Event type ke. Error ellipse: s-maj=1.2km s-min=1.0km az=46.0.
ISC I 08 07 13 51.8–1.2 47.83N–.02 3.62W–.04 16–9 80 0-6
LDG I 08 07 13 52.9–.06 47.84N 3.68W 2 2.8,2.8L ¶610130605
STR I 08 07 13 53.8–.74 48N–5.0 4W–5.0 5 2.6,2.8L
BGS I 08 07 13 54.6–1.6 47.95N 3.76W 6–24 2.6L,2.6L
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=1.0km s-min=0.8km az=75.0.
STR Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=138.5. manual. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/haslach_taup-2.11. preliminary.
BGS Error ellipse: s-maj=184.8km s-min=344.6km az=-1.0.
STR I 18 14 36 37.6–1.4 45N–7.0 6E–12 2 0.3
¶615490408
STR Event type se. manual. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/alpes_taup-2.11. preliminary.
ISC I 18 14 37 13.3–1.0 45.37N–.04 6.37E–.05 12–9 16 0-2
STR I 18 14 37 13.5–.69 45N–9.0 6E–15 6 0.8 ¶610505629
LDG I 18 14 37 13.1–.10 45.39N 6.37E 13 1.8,1.8L
ISC Event type ke.
STR Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=122.4. manual. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/alpes_taup-2.11. preliminary.
LDG Event type ke. Error ellipse: s-maj=3.2km s-min=1.3km az=130.0.
IDC II 16 15 52 26.4–702 48.79N 5.34E 0
¶610415641
IDC Error ellipse: s-maj=354.0km s-min=120.9km az=83.0.
IDC II 16 16 02 41.8–650 48.86N 5.66E 0
¶610415642
IDC Error ellipse: s-maj=329.1km s-min=115.7km az=84.0.
LDG II 19 00 08 58.5–.04 46.58N 3.73E 2 1.5,1.5L
¶616228560
LDG Event type ke. Error ellipse: s-maj=0.9km s-min=0.4km az=126.0.
STR II 19 00 09 44.2–.33 46N–2.0 6E–2.0 7–5 1.0
¶610272643
STR Event type se. manual. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/alpes_taup-2.11. preliminary.

LDG II 22 04 29 43.9–.04 44.41N 6.84E 2 1.2L,0.9
STR II 22 04 29 43.8–.44 44N–3.0 7E–4.0 7 0.7,0.9 ¶610272905
LDG Event type ke.
STR Event type se. manual. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/alpes_taup-2.11. preliminary.
IDC III 09 19 34 38.5–999 48.69N 0.68W 0 ¶610545893
IDC Error ellipse: s-maj=948.4km s-min=196.8km az=76.0.
ISC III 09 21 22 30.4–1.2 47.24N–.03 3.37W–.04 15–9 83 1-6
LDG III 09 21 22 31.2–.10 47.27N 3.42W 3 2.7,2.6L ¶610330537
STR III 09 21 22 32.9–.78 47N–6.0 4W–6.0 9 2.5,2.6L
ISC Event type ke.
LDG Event type ke.
STR Event type se. manual. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/haslach_taup-2.11. preliminary.
STR III 26 23 01 48.9–.35 45N–2.0 6E–2.0 5 1.3
LDG III 26 23 01 48.9–.04 45.33N 6.43E 2 1.7,1.7L ¶610478007
STR Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=89.1. manual. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/alpes_taup-2.11. preliminary.
LDG Event type ke. Error ellipse: s-maj=0.8km s-min=0.7km az=76.0.
ISC IV 07 07 24 14.4–.92 43.56N–.02 2.34E–.02 12–7 81 0-4
STR IV 07 07 24 15.4–.59 44N–3.0 2E–3.0 9–7 2.3 ¶610537647
LDG IV 07 07 24 15.2–.04 43.55N 2.33E 2 2.9,2.8L
MDD IV 07 07 24 16.3–.45 43.54N 2.30E 12–0 2.4,2.8L
ISC Event type ke.
STR Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=49.7. manual. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/auvergne_taup-2.11. preliminary.
LDG Event type ke. Error ellipse: s-maj=0.9km s-min=0.8km az=116.0.
MDD Event type ke. Error ellipse: s-maj=2.3km s-min=1.9km az=179.0.
ISC IV 26 15 12 09.1–.77 43.04N–.02 0.19E–.01 14–5 452 0-30
IDC IV 26 15 12 09.1–1.7 42.94N 0.04E 0 3.8L,3.6 ¶610575482
MDD IV 26 15 12 10.9–.12 42.99N 0.20E 11–0 3.9,3.6
MRB IV 26 15 12 10.1–.30 43.01N 0.17E 13–2 3.6L,3.6
STR IV 26 15 12 10.9–.45 43N–4.0 0E–3.0 8–7 3.7,3.6
LDG IV 26 15 12 10.4–.04 42.99N 0.20E 2 3.8L,3.5
SFS IV 26 15 12 12.0 42.92N 0.10E 0 4.5L,4.4L
INMG IV 26 15 12 11.2–1.7 43.02N 0.19E 14–3 3.4L,4.4L
ISC Event type ke.
IDC Error ellipse: s-maj=32.1km s-min=15.8km az=135.0.
MDD Event type ke. Error ellipse: s-maj=1.0km s-min=0.7km az=145.0.
MRB Event type ke. Error ellipse: s-maj=1.2km s-min=0.7km az=221.0.
STR Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=39.6. manual. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/pyrenees_taup-2.11. preliminary.
LDG Event type ke. Error ellipse: s-maj=1.0km s-min=0.8km az=126.0.
INMG Event type ke. Error ellipse: s-maj=2.9km s-min=2.4km az=63.0.
ISC IV 26 22 18 31.6–.79 43.07N–.01 0.18E–.01 14–5 139 0-5
LDG IV 26 22 18 32.3–.04 43.02N 0.16E 3 2.6,2.6L ¶610641397
MRB IV 26 22 18 32.4–.30 43.01N 0.17E 6–2 1.9L,2.6L
STR IV 26 22 18 32.9–.41 43N–3.0 0E–2.0 5 2.0,2.6L
MDD IV 26 22 18 33.6–.46 42.99N 0.17E 12–0 2.3,2.6L
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=0.9km s-min=0.7km az=131.0.
MRB Event type ke. Error ellipse: s-maj=1.2km s-min=0.7km az=224.0.
STR Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=168.2. manual. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/pyrenees_taup-2.11. preliminary.
MDD Event type ke. Error ellipse: s-maj=3.7km s-min=1.7km az=5.0.
ISC V 08 02 08 26.2–.71 43.13N–.01 0.03E–.01 17–4 414 0-9
LDG V 08 02 08 26.4–.08 43.02N 0.05W 12 3.5L,3.3 ¶610641547
STR V 08 02 08 27.1–.39 43N–4.0 0E–2.0 7–4 3.4,3.3
MRB V 08 02 08 27.6–.30 43.00N 0.01W 4–4 3.4L,3.3
SFS V 08 02 08 28.1 43.02N 0.04W 0 3.9,3.9L
MDD V 08 02 08 28.7–.12 43.04N 0.01W 12–0 3.3,3.9L
INMG V 08 02 08 28.0–1.6 43.00N 0.01W 3–2 2.7L,3.9L
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=2.1km s-min=1.6km az=120.0.
STR Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=21.9. manual. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/pyrenees_taup-2.11. preliminary.
MRB Event type ke. Error ellipse: s-maj=1.2km s-min=0.8km az=59.0.
MDD Event type ke. Error ellipse: s-maj=1.1km s-min=0.8km az=134.0.
INMG Event type ke. Error ellipse: s-maj=2.5km s-min=1.9km az=43.0.
IDC V 09 19 53 14.3–301 47.65N 4.14W 0 ¶610689914
IDC Error ellipse: s-maj=178.3km s-min=110.7km az=154.0.
ISC V 10 11 01 04.9–1.3 47.94N–.03 4.19W–.04 18–8 100 0-7
STR V 10 11 01 07.1–.90 48N–6.0 4W–4.0 5 3.0 ¶610623010
LDG V 10 11 01 07.8–.07 47.98N 4.17W 2 3.3,3.3L
BGS V 10 11 01 08.8–1.8 48.10N 4.30W 5 2.8L,3.3L
ISC Event type ke.
STR Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=34.5. manual. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/haslach_taup-2.11. preliminary.
LDG Event type ke. Error ellipse: s-maj=1.4km s-min=1.1km az=49.0.
BGS Error ellipse: s-maj=22.6km s-min=17.3km az=-1.0.
LDG V 10 21 26 57.1–.04 44.42N 6.84E 2 1.3,1.3L
STR V 10 21 26 57.1–.51 44N–4.0 7E–5.0 7 0.9,1.3L ¶610654244
LDG Event type ke.
STR Event type se. manual. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/alpes_taup-2.11. preliminary.
STR V 11 01 42 38.0–.34 45N–2.0 6E–3.0 4 1.3
LDG V 11 01 42 38.1–.09 45.44N 6.30E 2 1.7L,1.6 ¶610654248
STR Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=81.2. manual. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/alpes_taup-2.11. preliminary.
LDG Event type ke. Error ellipse: s-maj=2.0km s-min=1.5km az=108.0.
LDG V 11 01 42 50.9–.29 44.80N 6.70E 2 0.5
STR V 11 01 42 51.6–2.7 45N–12 7E–14 5 0.6 ¶610654251
LDG Event type ke.
STR Event type se. manual. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/alpes_taup-2.11. preliminary.
ISC V 13 13 52 48.3–1.8 48.11N–.05 4.75W–.09 18–5 48 0-7
LDG V 13 13 52 51.5–.13 48.21N 4.53W 3 2.6L,2.4 ¶610654284
STR V 13 13 52 52.0–.80 48N–5.0 5W–4.0 0 2.3,2.4
BGS V 13 13 52 53.7–.40 47.76N 3.98W 5 1.8L,2.4
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=2.8km s-min=1.6km az=40.0.
STR Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=37.2. manual. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/haslach_taup-2.11. preliminary.
BGS Error ellipse: s-maj=47.8km s-min=85.1km az=-1.0.
LDG VI 17 23 59 15.9–.05 44.49N 6.67E 2 1.6,1.4L
STR VI 17 23 59 16.0–.36 44N–2.0 7E–3.0 5 0.8,1.4L ¶610697535
LDG Event type ke.
STR Event type se. manual. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/alpes_taup-2.11. preliminary.
STR VI 18 07 11 30.0–.65 45N–3.0 7E–5.0 5 0.5
LDG VI 18 07 11 29.9–.09 44.61N 6.71E 2 1.0 ¶610697547
STR Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=108.9. manual. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/alpes_taup-2.11. preliminary.
LDG Event type ke. Error ellipse: s-maj=2.0km s-min=1.5km az=115.0.
ROM VI 19 12 04 48.7–.12 44.866N–.01 6.721E–.01 11–1 0.9L
GEN VI 19 12 04 48.5 44.84N 6.73E 4–1 0.7L ¶610697560
LDG VI 19 12 04 49.1–.06 44.85N 6.71E 4 1.7,1.6L
STR VI 19 12 04 49.0–.47 45N–2.0 7E–2.0 10–7 1.1,1.6L
ROM Event type se. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
LDG Event type ke.
STR Event type se. manual. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/alpes_taup-2.11. preliminary.
LDG VI 22 13 19 21.3–.05 47.07N 0.11W 2 2.5L,2.3
STR VI 22 13 19 22.8–.70 47N–4.0 0W–4.0 1 2.7,2.3 ¶610780004
LDG Event type ke.
STR Event type se. manual. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/haslach_taup-2.11. preliminary.
LDG VI 22 13 19 47.2–.07 47.07N 0.10W 2 2.6L,2.1
STR VI 22 13 19 48.5–.66 47N–4.0 0W–4.0 4 2.4,2.1 ¶617196319
LDG Event type ke.
STR Event type se. manual. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/haslach_taup-2.11. preliminary.

(540) The Netherlands.

IDC II 02 09 51 05.7–651 53.65N 5.08E 0 ¶610414666
IDC Error ellipse: s-maj=301.4km s-min=132.9km az=118.0.
IDC II 21 15 26 03.8–916 53.01N 5.30E 0 ¶610384759
IDC Error ellipse: s-maj=353.4km s-min=144.3km az=124.0.
IDC II 21 15 35 12.7–903 53.11N 5.49E 0 ¶610384760
IDC Error ellipse: s-maj=347.5km s-min=139.3km az=125.0.
IDC III 07 09 29 07.1–836 52.63N 5.08E 0 ¶610545721
IDC Error ellipse: s-maj=368.7km s-min=140.9km az=109.0.

(543) Germany.

WBNET I 09 06 03 40.6 50.35N 12.42E 5 0.5L
PRU I 09 06 03 39.3–.00 50.35N 12.42E 10 0.5L ¶610064781
PRU I 16 15 24 50.7–.00 51.25N 12.40E 0 ¶610101896
WBNET I 31 02 23 20.4 50.21N 12.46E 7 0.0L ¶615521224
STR II 20 19 41 39.4–.40 49N–2.0 8E–3.0 7–7 1.4 ¶616228562
STR Event type se. manual. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/haslach_taup-2.11. preliminary.
ISC III 04 01 29 25.1–.81 47.83N–.01 9.40E–.01 19–1 278 0-5
LDG III 04 01 29 25.6–.07 47.82N 9.40E 20 2.7L ¶616204277
BGR III 04 01 29 25.7–.14 47.86N 9.42E 10 2.5L
PRU III 04 01 29 25.2–.00 47.84N 9.47E 23 2.5L
ZUR III 04 01 29 25.4 47.82N 9.41E 20–0 2.6
STR III 04 01 29 27.6–1.1 48N–4.0 9E–6.0 21–5 2.5
ISC Event type ke.
LDG Event type ke.
BGR Event type ke.
ZUR Event type ke.
STR Event type se. manual. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/haslach_taup-2.11. preliminary.
WBNET IV 11 02 53 37.5 50.19N 12.47E 7 0.0L ¶616235138
ISC V 11 20 44 54.5–.89 51.41N–.02 6.55E–.02 22–7 126 0-5
STR V 11 20 44 54.5–1.6 51N–10 6E–7.0 5 2.1 ¶610654258
BGR V 11 20 44 54.7–.51 51.33N 6.55E 13–4 1.9L
UCC V 11 20 44 55.4–.78 51.36N 6.53E 21–1 1.8L
LDG V 11 20 44 55.3–.12 51.38N 6.54E 14 2.4L,2.3
BNS V 11 20 44 55.5–.56 51.38N 6.56E 14–8 1.9L,2.3
BUG V 11 20 44 55.5–.00 51.37N 6.62E 10–4 2.5L,2.4
ISC Event type ke.
STR Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=12.7. manual. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/haslach_taup-2.11. preliminary.
BGR Event type ke. Error ellipse: s-maj=5.6km s-min=2.2km az=100.0.
UCC Event type ke.
LDG Event type ke. Error ellipse: s-maj=2.1km s-min=1.5km az=14.0.
BNS Event type ke.
BUG Event type ke.
UCC V 19 07 26 48.6–1.2 50.45N 6.28E 22–3 1.0L ¶617229487
UCC Event type ke.
LDG V 19 07 27 49.3–.08 50.45N 6.40E 25 2.3L
STR V 19 07 27 49.6–1.3 50N–9.0 6E–4.0 5 1.6 ¶613594521
LDG Event type ke.
STR Event type se. manual. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/haslach_taup-2.11. preliminary.
ISC V 19 08 06 04.6–.91 50.47N–.02 6.39E–.02 20–1 114 0-4
LDG V 19 08 06 04.8–.06 50.45N 6.38E 21 2.6L ¶610645589
STR V 19 08 06 04.4–1.1 50N–6.0 6E–5.0 2 1.9
BGR V 19 08 06 04.7–.35 50.45N 6.42E 21–1 1.8L
BNS V 19 08 06 05.6–.29 50.45N 6.39E 20–4 1.6L
UCC V 19 08 06 05.6–.50 50.44N 6.35E 21–0 1.8L
ISC Event type ke.
LDG Event type ke. Error ellipse: s-maj=1.2km s-min=1.1km az=158.0.
STR Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=24.1. manual. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/haslach_taup-2.11. preliminary.
BGR Event type ke. Error ellipse: s-maj=4.4km s-min=3.3km az=94.0.
BNS Event type ke.
UCC Event type ke.
UCC V 19 08 07 11.6–.50 50.45N 6.36E 20–6 1.3L ¶615387017
UCC Event type ke.
WBNET V 25 17 47 31.2 50.26N 12.45E 8 0.2L
PRU V 25 17 47 31.3 50.29N 12.44E 3 0.2L ¶616704075
PRU West Bohemia.
WBNET V 30 20 18 29.3 50.26N 12.44E 10 0.0L ¶616717831
ISC VI 14 23 53 00.2–.91 50.39N–.01 7.30E–.01 19–2 381 0-8
BUG VI 14 23 53 00.2 50.41N 7.35E 6–3 3.5,3.3L ¶616387630
BGR VI 14 23 53 00.3–.18 50.40N 7.37E 10 2.8L,3.3L
LDG VI 14 23 53 00.6–.05 50.40N 7.36E 4 3.1L,3.0
PRU VI 14 23 53 01.4 50.48N 7.48E 1 3.1L,3.0
BNS VI 14 23 53 01.0–.37 50.40N 7.35E 9–6 2.6L,3.0
STR VI 14 23 53 02.4–1.1 50N–9.0 7E–6.0 5 2.9,3.0
UCC VI 14 23 53 02.6 50.35N 7.19E 10 2.6L,3.0
ISC Event type ke.
BUG Event type ke.
BGR Event type ke. Error ellipse: s-maj=2.2km s-min=2.2km az=98.0.
LDG Event type ke. Error ellipse: s-maj=0.9km s-min=0.8km az=177.0.
BNS Event type ke.
STR Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=32.5. manual. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/haslach_taup-2.11. preliminary.
UCC Event type ke.

(544) Switzerland.

ZUR I 01 08 36 21.3 46.60N 8.44E 8–1 0.5 ¶616063582
ZUR Event type ke. Error ellipse: s-maj=1.9km s-min=0.7km az=209.0.
ZUR I 09 09 54 51.2 46.68N 8.51E 6–2 0.5 ¶615527849
ZUR Event type ke. Error ellipse: s-maj=5.4km s-min=0.9km az=207.0.
STR I 10 11 13 05.8–1.3 46N–13 8E–3.0 8 1.3
ZUR I 10 11 13 06.2 46.08N 8.44E 19–1 1.0 ¶615527851
STR Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=175.5. manual. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/alpes_taup-2.11. preliminary.
ZUR Event type ke. Error ellipse: s-maj=2.2km s-min=1.3km az=191.0.
ZUR I 13 09 04 04.3 46.68N 8.50E 4–2 0.8 ¶616063581
ZUR Event type ke. Error ellipse: s-maj=4.4km s-min=0.9km az=209.0.
ZUR I 20 08 51 51.4 46.20N 9.21E 12–1 1.2 ¶616063594
ZUR Event type ke. Error ellipse: s-maj=3.7km s-min=1.4km az=196.0.
ZUR I 22 07 33 16.1 46.11N 8.13E 3–2 0.7 ¶616063598
ZUR Event type ke. Error ellipse: s-maj=4.3km s-min=0.9km az=176.0.
ZUR I 27 15 59 25.4 46.26N 7.40E 7–2 0.5 ¶615527876
ZUR Event type ke. Error ellipse: s-maj=3.9km s-min=0.9km az=139.0.
ZUR I 28 16 19 43.9 46.19N 7.51E 5–2 0.4

¶616063600
ZUR Event type ke. Error ellipse: s-maj=4.4km s-min=1.0km az=187.0.
ZUR II 05 13 50 34.9 46.50N 9.92E 7–0 2.1
STR II 05 13 50 34.2–1.3 46N–6.0 10E–8.0 2 2.4 ¶616051085
ROM II 05 13 50 34.8–.17 46.526N–.01 9.938E–.01 10–1 1.9L
LDG II 05 13 50 35.2–.05 46.51N 9.93E 7 1.9L
PRU II 05 13 50 37.9–.00 46.78N 9.59E 0 1.9L
ZUR Event type ke. Error ellipse: s-maj=1.5km s-min=0.5km az=282.0.
STR Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=125.4. manual. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/alpes_taup-2.11. preliminary.
ROM Event type se. Error ellipse: s-maj=0.7km s-min=0.5km az=46.0. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
LDG Event type ke. Error ellipse: s-maj=1.3km s-min=0.8km az=172.0.
ZUR II 13 10 42 03.4 46.60N 8.40E 8–1 0.2
¶615950231
ZUR Event type ke. Error ellipse: s-maj=3.5km s-min=1.5km az=106.0.
ZUR II 13 10 43 00.6 46.60N 8.39E 7–1 0.0
¶616229109
ZUR Event type ke. Error ellipse: s-maj=3.4km s-min=2.6km az=275.0.
ZUR II 13 10 46 13.3 46.60N 8.37E 8–2 0.0
¶615950230
ZUR Event type ke. Error ellipse: s-maj=9.4km s-min=2.9km az=153.0.
ZUR II 13 10 46 21.1 46.59N 8.40E 8–1 0.4
¶616229108
ZUR Event type ke. Error ellipse: s-maj=2.4km s-min=1.0km az=281.0.
ZUR II 14 10 34 17.1 46.34N 7.53E 4–1 0.3
LDG II 14 10 34 16.3–.08 46.37N 7.51E 10 1.4L ¶610209175
ZUR Event type ke. Error ellipse: s-maj=3.6km s-min=0.9km az=75.0.
LDG Event type ke. Error ellipse: s-maj=1.9km s-min=1.5km az=125.0.
ISC III 06 19 40 44.7–.80 46.91N–.02 8.93E–.01 7–5 155 0-5
GEN III 06 19 40 44.1 46.93N 8.93E 18–3 2.1L ¶610305232
STR III 06 19 40 44.7–1.2 47N–4.0 9E–6.0 12–5 2.4
VIE III 06 19 40 45.0 46.89N 8.93E 4 2.6L,1.9b
ZUR III 06 19 40 44.9 46.91N 8.92E 5–2 2.2,1.9b
LDG III 06 19 40 45.7–.08 46.86N 8.96E 4 2.5L,1.9b
PRU III 06 19 40 45.7–.00 47.17N 8.77E 12 2.5L,1.9b
ISC Event type ke.
STR Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=107.1. manual. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/alpes_taup-2.11. preliminary.
VIE 21 km E of Altdorf .
ZUR Event type ke. Error ellipse: s-maj=3.7km s-min=0.7km az=310.0.
LDG Event type ke. Error ellipse: s-maj=1.6km s-min=1.4km az=49.0.
PRU Altdorf.
ISC III 06 19 40 50.9–1.3 46.91N–.07 8.94E–.04 8–7 15 0-4
ZUR III 06 19 40 50.9 46.91N 8.92E 5–1 2.2 ¶616490051
VIE III 06 19 40 51.0 46.89N 8.92E 4 3.1L,1.9b
PRU III 06 19 40 53.6–.00 47.10N 8.90E 9 3.1L,1.9b
ISC Event type ke.
ZUR Event type ke. Error ellipse: s-maj=3.5km s-min=0.9km az=289.0.
VIE 21 km E of Altdorf .
PRU Altdorf.
ZUR III 06 19 41 43.7 46.91N 8.92E 6–1 1.1
¶616490049
ZUR Event type ke. Error ellipse: s-maj=3.1km s-min=0.9km az=351.0.
ZUR III 06 20 12 00.4 46.91N 8.93E 6–2 0.5
¶616490052
ZUR Error ellipse: s-maj=4.1km s-min=0.9km az=185.0.
ISC III 06 20 12 06.9–.92 46.909N–.01 8.905E–.01 1–6 4.1b,3.7s 1257 0-131
GEN III 06 20 12 06.6 46.93N 8.93E 11–3 4.4L,3.7s ¶610545681
PRU III 06 20 12 06.1–.00 46.97N 8.80E 0 4.3,3.7s
ZUR III 06 20 12 07.5 46.91N 8.92E 5–1 4.6,3.7s
MOS III 06 20 12 07.0–1.1 47.02N 8.89E 11 4.3b,3.7s
VIE III 06 20 12 07.3 46.89N 8.93E 5 4.7L,3.9b
MED_R III 06 20 12 07.0–.60 46.91N 8.93E 10 4.2W,3.9b
ROM III 06 20 12 07.3–.05 46.93N 8.91E 11 4.4L,3.9b
BGS III 06 20 12 08.7–2.0 46.91N 8.82E 10 4.8L,4.8L
IDC III 06 20 12 08.5–.66 47.09N 9.03E 0 3.9,3.9b
NEIC III 06 20 12 08.6 46.92N 8.85E 10 3.9,3.9b
NEIC III 06 20 12 08.6–1.3 46.91N–.04 8.82E–.04 10–1 4.7L,4.3b
STR III 06 20 12 08.5–.49 47N–2.0 9E–3.0 9–2 4.8,4.3b
LDG III 06 20 12 09.1–.08 46.96N 8.94E 5 4.7L,4.3b
BNS III 06 20 12 09.9–.27 46.97N 8.97E 5 4.4L,4.3b
BGR III 06 20 12 09.1–.29 46.93N 8.91E 10 4.6L,4.3b
ISC Event type fe.
ZUR Event type ke. Error ellipse: s-maj=3.1km s-min=0.5km az=279.0.
MOS Error ellipse: s-maj=4.5km s-min=3.3km az=52.3.
VIE Event type fe. 21 km E of Altdorf .
MED_R nsta1 refers to body waves. nsta2 refers to surface waves, cutoff=35s. Moment Tensor Solution. Mantle waves: s8,c9;Duration: 1s0 Moment tensor: Scale 10^{15}Nm; M_{rr}0.08±.24 $M_{\theta\theta}$0.95±.27; $M_{\phi\phi}$-1.03±.31; $M_{r\theta}$-1.21±.65; $M_{\theta\phi}$-1.79±.25; $M_{\phi r}$-0.39±.70; Best double couple: NP1:ϕ_s255.00000°,δ90.00000°,λ148.00000°. NP2:ϕ_s345.00000°,δ58.00000°,λ0.00000°. Principal axes: T 2.3500,Plg22.0000°,Azm206.0000°; N 0.1100,Plg58.0000°,Azm75.0000° ; P -2.4700,Plg22.0000°,Azm305.0000° $M_0$2.41000×10^{15}
ROM Event type se. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
BGS Error ellipse: s-maj=14.9km s-min=16.6km az=-1.0.
IDC Error ellipse: s-maj=10.1km s-min=7.3km az=29.0.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=7.0km s-min=4.4km az=356.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-0.18 $M_{\theta\theta}$0.79 $M_{\phi\phi}$-0.60 $M_{r\theta}$-0.12 $M_{\theta\phi}$-1.61 $M_{\phi r}$0.08 NP1:ϕ_s258.25000°,δ87.17000°,λ177.15000°. NP2:ϕ_s348.39000° ,δ87.15000°,λ2.83000°. Principal axes: T 1.8560,Plg4.0000°,Azm213.0000° ; N -0.1921,Plg86.0000°,Azm34.0000°; P -1.6639,Plg0.0000°,Azm303.0000° $M_0$1.77000×10^{15}
STR Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=90.0. manual. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/alpes_taup-2.11. preliminary.
LDG Event type ke. Error ellipse: s-maj=1.9km s-min=1.8km az=175.0.
BNS Event type ke.
BGR Event type ke. Error ellipse: s-maj=6.7km s-min=3.3km az=20.0.
ZUR III 06 20 33 29.0 46.91N 8.93E 6–1 0.5
¶615950249
ZUR Event type ke. Error ellipse: s-maj=2.7km s-min=0.9km az=30.0.
ZUR III 06 20 33 56.3 46.91N 8.92E 6–1 1.0
¶616602746
ZUR Event type ke. Error ellipse: s-maj=3.2km s-min=0.7km az=36.0.
ISC III 20 00 30 54.7–.74 46.041N–.01 6.88E–.01 11–4 512 0-8
GEN III 20 00 30 53.8 46.06N 6.87E 6–2 3.2L ¶610346316
ZUR III 20 00 30 55.0 46.03N 6.90E 4–1 3.3
STR III 20 00 30 54.9–.22 46N–1.0 7E–2.0 4 3.4
BGR III 20 00 30 55.3–.67 46.04N 6.89E 10 3.3L
LDG III 20 00 30 55.3–.04 46.04N 6.91E 3 3.5,3.5L
ROM III 20 00 30 56.3–.20 45.967N–.01 6.97E–.01 10–0 3.0L,3.5L
PRU III 20 00 30 57.0–.00 46.05N 6.93E 0 3.0L,3.5L
ISC Event type ke.
ZUR Event type ke. Error ellipse: s-maj=2.4km s-min=0.7km az=272.0.
STR Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=103.0. manual. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/alpes_taup-2.11. preliminary.
BGR Event type ke. Error ellipse: s-maj=6.7km s-min=5.6km az=140.0.
LDG Event type ke. Error ellipse: s-maj=0.9km s-min=0.8km az=85.0.
ROM Event type se. Error ellipse: s-maj=1.0km s-min=0.8km az=139.0. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ZUR IV 02 08 22 29.8 46.26N 7.40E 7–1 1.5
GEN IV 02 08 22 29.2 46.25N 7.40E 9–1 1.2L ¶610642032
LDG IV 02 08 22 30.2–.06 46.23N 7.41E 7 1.9L
STR IV 02 08 22 30.2–.36 46N–3.0 7E–2.0 12–4 1.8
ZUR Event type ke.
LDG Event type ke.
STR Event type se. manual. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/alpes_taup-2.11. preliminary.
ZUR IV 19 22 08 36.4 46.18N 7.44E 4–1 1.1
GEN IV 19 22 08 35.6 46.17N 7.44E 9–0 0.9L ¶610578677
STR IV 19 22 08 36.6–.57 46N–4.0 7E–3.0 8–5 1.5
LDG IV 19 22 08 36.3–.04 46.17N 7.44E 4 1.8L,1.7
ROM IV 19 22 08 36.3–.28 46.12N–.02 7.47E–.01 10–0 1.3L,1.7
ZUR Event type ke.
STR Event type se. manual. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/alpes_taup-2.11. preliminary.
LDG Event type ke.
ROM Event type se. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC IV 20 15 47 56.2–1.0 46.04N–.01 7.95E–.02 10–4 102 0-2
GEN IV 20 15 47 55.8 46.07N 7.91E 8–0 1.3L ¶616566836
ROM IV 20 15 47 56.1–.12 46.041N–.01 7.92E–.01 10–0 1.5L
ZUR IV 20 15 47 56.2 46.06N 7.95E 8–0 1.5
LDG IV 20 15 47 56.3–.04 46.05N 7.94E 8 1.8L
STR IV 20 15 47 56.5–1.3 46N–5.0 8E–6.0 7 1.7
ISC Event type ke.
ROM Event type se. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ZUR Event type ke.
LDG Event type ke.
STR Event type se. manual. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/alpes_taup-2.11. preliminary.
ZUR V 07 01 09 27.8 46.26N 7.40E 8–0 0.2
¶617232489
ZUR Event type ke. Error ellipse: s-maj=1566.8km s-min=649.1km az=184.0.
ZUR V 07 01 10 06.3 46.26N 7.40E 8–0 0.8
LDG V 07 01 10 06.3–.07 46.27N 7.39E 6 1.3L ¶610641536
ZUR Event type ke. Error ellipse: s-maj=1267.1km s-min=523.9km az=339.0.
LDG Event type ke. Error ellipse: s-maj=1.6km s-min=1.2km az=174.0.
ZUR V 10 21 26 30.4 46.26N 7.40E 9–0 0.6
GEN V 10 21 26 30.1 46.27N 7.43E 5–0 0.3L ¶610654241
LDG V 10 21 26 30.5–.06 46.25N 7.41E 9 1.2,1.1L
STR V 10 21 26 31.1–.50 46N–4.0 7E–3.0 8–7 0.8,1.1L
ZUR Event type ke.
LDG Event type ke.
STR Event type se. manual. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/alpes_taup-2.11. preliminary.
ISC V 13 11 27 05.7–.76 46.06N–.01 6.87E–.01 13–4 188 0-4
GEN V 13 11 27 06.7 46.06N 6.91E 5–1 2.1L ¶610638463
STR V 13 11 27 06.8–.36 46N–2.0 7E–3.0 5 2.3
LDG V 13 11 27 07.0–.03 46.06N 6.87E 2 2.7,2.7L
ROM V 13 11 27 07.1–.10 46.072N–.00 6.906E–.01 11–0 2.1L,2.7L
ZUR V 13 11 27 07.2 46.08N 6.86E 2–1 2.4,2.7L
ISC Event type ke.
STR Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=99.5. manual. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/alpes_taup-2.11. preliminary.
LDG Event type ke. Error ellipse: s-maj=0.6km s-min=0.5km az=97.0.
ROM Event type se. Error ellipse: s-maj=0.7km s-min=0.2km az=275.0. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ZUR Event type ke. Error ellipse: s-maj=3255.0km s-min=704.4km az=186.0.
ZUR V 22 07 44 45.4 46.26N 7.40E 8–1 1.2
LDG V 22 07 44 45.2–.05 46.27N 7.37E 8 1.5,1.4L ¶610654391
ZUR Event type ke. Error ellipse: s-maj=2006.7km s-min=927.3km az=154.0.
LDG Event type ke. Error ellipse: s-maj=1.2km s-min=0.8km az=144.0.
ZUR V 22 07 45 02.6 46.26N 7.40E 7–1 0.4
¶617232488
ZUR Event type ke. Error ellipse: s-maj=3362.0km s-min=1267.8km az=153.0.
ZUR V 26 04 20 20.6 46.22N 7.53E 6–1 0.4
GEN V 26 04 20 20.7 46.23N 7.58E 6–1 0.4L ¶610670721
ZUR Event type ke. Error ellipse: s-maj=2814.7km s-min=828.2km az=96.0.
ZUR VI 03 00 01 27.4 47.62N 9.00E 20–1 0.9
¶610664143
ZUR Event type ke. Error ellipse: s-maj=1846.9km s-min=611.7km az=91.0.
ISC VI 06 07 18 03.0–.72 46.747N–.01 7.21E–.01 14–3 422 0-7
PRU VI 06 07 18 02.8 46.79N 7.10E 10 ¶610667870
BGR VI 06 07 18 03.6–.50 46.75N 7.19E 8–2 3.5L
ZUR VI 06 07 18 03.3 46.73N 7.23E 7–1 3.3
STR VI 06 07 18 04.2–.35 47N–2.0 7E–2.0 9–3 3.4
LDG VI 06 07 18 04.0–.04 46.74N 7.24E 5 3.4L,3.3
ISC Event type ke.
BGR Event type ke. Error ellipse: s-maj=3.3km s-min=2.2km az=32.0.
ZUR Event type ke. Error ellipse: s-maj=2469.5km s-min=484.0km az=262.0.
STR Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=124.8. manual. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/alpes_taup-2.11. preliminary.
LDG Event type ke. Error ellipse: s-maj=0.8km s-min=0.6km az=99.0.
ISC VI 09 12 57 07.2–.90 46.24N–.02 6.98E–.02 6–7 46 0-3
GEN VI 09 12 57 06.0 46.25N 6.99E 5–2 1.8L ¶610697419
LDG VI 09 12 57 07.1–.05 46.24N 6.97E 5 2.5L,2.0
STR VI 09 12 57 07.5–.39 46N–3.0 7E–3.0 2 1.7,2.0
ISC Event type ke.
LDG Event type ke.
STR Event type se. manual. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/alpes_taup-2.11. preliminary.
ZUR VI 13 19 13 39.8 46.19N 7.57E 2–0 1.2
GEN VI 13 19 13 39.0 46.19N 7.57E 6–1 1.2L ¶610697490
ROM VI 13 19 13 39.9–.25 46.11N–.02 7.58E–.01 7–1 0.9L
LDG VI 13 19 13 39.6–.03 46.18N 7.57E 2 1.9,1.7L
STR VI 13 19 13 40.3–.43 46N–2.0 8E–3.0 5 1.4,1.7L
ZUR Event type ke.
ROM Event type se. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
LDG Event type ke.
STR Event type se. manual. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/alpes_taup-2.11. preliminary.
ZUR VI 15 17 01 29.1 46.59N 8.33E 8–0 0.6
¶617481137
ZUR Event type ke. Error ellipse: s-maj=2229.8km s-min=718.3km az=337.0.
STR VI 15 17 01 32.0–.53 46N–3.0 7E–3.0 7 0.7
¶610954552
STR Event type se. manual. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/auvergne_taup-2.11. preliminary.
ZUR VI 21 05 49 21.9 46.24N 7.80E 5–1 0.9
GEN VI 21 05 49 21.2 46.25N 7.79E 5–1 0.6L ¶610779985
LDG VI 21 05 49 21.8–.04 46.24N 7.80E 5 1.7L
STR VI 21 05 49 22.1–1.1 46N–7.0 8E–4.0 7 1.0
ZUR Event type ke.
LDG Event type ke.
STR Event type se. manual. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/alpes_taup-2.11. preliminary.

(545) Northern Italy.

GEN I 05 08 38 58.5 44.20N 7.89E 2–5 1.0L
¶616063584
ROM I 21 21 55 39.0–.13 44.137N–.01 7.919E–.01 11–0 1.4L
GEN I 21 21 55 39.5 44.14N 7.91E 4–2 1.0L ¶610505667
STR I 21 21 55 39.6–1.1 44N–4.0 8E–5.0 6 1.8
LDG I 21 21 55 39.6–.15 44.18N 7.91E 5 1.9L,1.8
ROM Event type se. Error ellipse: s-maj=1.1km s-min=0.4km az=160.0. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
STR Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=83.3. manual. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/alpes_taup-2.11. preliminary.

LDG Event type ke. Error ellipse: s-maj=2.4km s-min=1.9km az=124.0.
ROM I 29 02 02 31.3–.37 45.83N–.02 11.15E–.02 10–0 1.1L ¶614383135
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC II 03 19 29 27.1–1.3 44.22N–.06 11.50E–.06 13 36 2-6
VIE II 03 19 29 25.8 44.16N 11.23E 8 2.6b,2.4L ¶616228543
LDG II 03 19 29 26.3–.42 44.11N 11.91E 10 2.3L,2.4L
ISC Event type ke.
VIE 39 km SSW of Bologna .
LDG Event type ke. Error ellipse: s-maj=9.3km s-min=4.2km az=107.0.
ISC II 05 22 52 22.5–1.3 44.79N–.08 12.23E–.04 10 22 1-3
VIE II 05 22 52 22.3 44.89N 12.41E 4 2.6b,2.5L ¶611306752
ISC Event type ke.
VIE 62 km S of Venice .
ISC II 07 06 30 42.1–.78 45.93N–.02 12.23E–.02 12–4 124 0-4
ROM II 07 06 30 41.7–.11 45.949N–.01 12.221E–.01 6–0 2.2L ¶610206102
PRU II 07 06 30 44.1–.00 45.98N 12.24E 17 2.2L
ISC Event type se.
ROM Event type se. Error ellipse: s-maj=1.0km s-min=0.4km az=333.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC II 09 08 14 08.5–.66 45.80N–.01 11.16E–.01 15–3 3.7b 493 0-68
IDC II 09 08 14 07.1–1.6 45.73N 11.17E 0 3.5,3.5b ¶610915485
ROM II 09 08 14 08.7–.08 45.775N–.00 11.146E–.01 11–0 3.6L,3.5b
VIE II 09 08 14 08.6 45.83N 11.16E 13 3.9L,3.1b
LDG II 09 08 14 09.8–.10 45.83N 11.21E 11 3.7L,3.5
PRU II 09 08 14 09.2–.00 45.92N 11.08E 0 3.7L,3.5
STR II 09 08 14 10.5–1.6 46N–6.0 11E–14 10 3.7,3.5
ISC Event type ke.
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
VIE 26 km S of Trento .
LDG Event type ke.
STR Event type se. manual. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. preliminary.
ISC II 09 08 18 24.0–.80 46.35N–.02 12.96E–.02 8–5 76 0-2
ROM II 09 08 18 23.5–.07 46.352N–.00 12.946E–.01 8–0 2.0L ¶611306793
VIE II 09 08 18 24.2 46.37N 12.94E 11 1.9b,1.9L
ISC Event type se.
ROM Event type se. Error ellipse: s-maj=0.4km s-min=0.1km az=199.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
VIE 7 km SW of Tolmezzo .
ISC II 14 10 00 49.3–.82 44.08N–.02 7.65E–.02 13–5 101 0-4
GEN II 14 10 00 49.4 44.08N 7.62E 11–0 1.8L ¶610224155
STR II 14 10 00 49.7–.71 44N–2.0 8E–4.0 3 2.4
LDG II 14 10 00 49.7–.06 44.09N 7.63E 11 2.6,2.6L
ISC Event type ke.
STR Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=91.3. manual.
smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/alpes_taup-2.11. preliminary.
LDG Event type ke. Error ellipse: s-maj=1.2km s-min=1.2km az=127.0.
VIE II 14 10 33 24.6 46.76N 10.34E 4 0.6L ¶616228554
VIE 16 km SW of Reschenpass .
ROM II 16 08 13 19.1–.08 46.385N–.01 12.94E–.02 11 0.4L ¶614388818
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM II 19 08 23 14.9–.21 44.334N–.01 11.09E–.01 22–1 1.5L
GEN II 19 08 23 15.2 44.34N 11.04E 13–2 1.4L ¶612681912
ROM Event type se. Error ellipse: s-maj=1.1km s-min=0.4km az=209.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 02 10 52 12.1–.21 44.328N–.01 11.09E–.01 20–1 2.0L ¶614391589
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 03 14 35 08.8–.26 44.262N–.01 11.456E–.01 27–1 1.5L ¶610245283
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC III 11 00 47 48.6–.76 46.15N–.01 12.41E–.01 11–4 147 0-5
VIE III 11 00 47 48.4 46.15N 12.41E 2 2.4L,2.0b ¶610323165
ROM III 11 00 47 48.5–.08 46.179N–.00 12.432E–.01 5–0 2.0L,2.0b
PRU III 11 00 47 50.1–.00 46.18N 12.46E 8 2.0L,2.0b
ISC Event type se.
VIE 15 km E of Belluno .
ROM Event type se. Error ellipse: s-maj=0.4km s-min=0.4km az=146.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 22 09 34 00.4–.11 44.032N–.01 10.705E–.01 5–1 0.6L ¶616602725
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC III 25 06 25 38.4–.77 46.38N–.01 10.76E–.01 13–4 227 0-5
STR III 25 06 25 32.6–1.7 46N–12 12E–12 10 2.9 ¶610434917
VIE III 25 06 25 37.8 46.39N 10.77E 10 2.7L,2.0b
ROM III 25 06 25 38.4–.07 46.370N–.00 10.735E–.00 12–0 2.5L,2.0b
LDG III 25 06 25 38.6–.13 46.36N 10.83E 12 2.5L,2.0b
ZUR III 25 06 25 38.3 46.37N 10.75E 6–2 2.4,2.0b
PRU III 25 06 25 39.8–.00 46.40N 10.85E 0 2.4,2.0b
ISC Event type ke.
STR Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=47.1. manual.
smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/alpes_taup-2.11. preliminary.
VIE 14 km SSW of St.Gertraud .
ROM Event type se. Error ellipse: s-maj=0.3km s-min=0.2km az=221.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
LDG Event type ke. Error ellipse: s-maj=3.3km s-min=2.7km az=18.0.
ZUR Event type ke. Error ellipse: s-maj=5174.7km s-min=915.0km az=185.0.
ROM III 25 07 43 14.7–.09 44.148N–.01 11.130E–.01 9–0 1.9L
GEN III 25 07 43 29.1 44.16N 11.15E 12–1 1.8L ¶610434908
ROM Event type se. Error ellipse: s-maj=0.6km s-min=0.5km az=193.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC III 25 07 43 29.6–.90 44.15N–.03 11.13E–.02 10–5 31 0-4
ROM III 25 07 43 29.6–.05 44.156N–.00 11.129E–.00 10–0 2.1L ¶616602743
ISC Event type se.
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 25 08 36 40.2–.08 44.152N–.00 11.137E–.01 10–0 1.5L ¶614392801
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 25 08 46 59.8–.07 44.152N–.00 11.125E–.01 9–0 2.0L
GEN III 25 08 46 59.1 44.16N 11.14E 14–1 1.7L ¶610434904
ROM Event type se. Error ellipse: s-maj=0.5km s-min=0.3km az=24.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 25 08 47 59.2–.09 44.152N–.00 11.133E–.01 10–0 1.2L ¶616602742
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 25 09 41 53.1–.15 44.125N–.01 11.119E–.01 7–1 1.6L ¶614392818
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM III 25 09 42 41.8–.05 44.165N–.00 11.139E–.00 11–0 1.0L ¶614392824
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC III 25 18 20 57.6–1.0 45.09N–.02 12.43E–.02 17–7 88 0-5
ROM III 25 18 20 57.9–.12 45.106N–.01 12.420E–.01 16–1 2.2L ¶610435090
ISC Event type se.
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC III 31 02 15 16.6–.85 44.43N–.02 9.71E–.01 13–6 320 0-65
IDC III 31 02 15 15.9–1.5 44.56N 9.59E 0 3.3L,3.2 ¶610476541
ROM III 31 02 15 16.5–.07 44.50N 9.744E–.00 11 3.2L,3.2
GEN III 31 02 15 16.2 44.50N 9.76E 11–0 2.8L,3.2
PRU III 31 02 15 16.5–.00 44.52N 9.86E 0 2.8L,3.2
LDG III 31 02 15 17.2–.07 44.48N 9.74E 5 3.4,3.2L
ISC Event type ke.
IDC Error ellipse: s-maj=29.0km s-min=14.0km az=115.0.
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
LDG Event type ke. Error ellipse: s-maj=1.9km s-min=1.4km az=27.0.
ISC IV 04 00 24 31.0–1.3 44.18N–.03 11.05E–.03 70–6 106 0-3
GEN IV 04 00 24 32.0 44.16N 11.05E 57–1 1.8L ¶611626697
ROM IV 04 00 24 32.8–.12 44.127N–.01 10.984E–.01 54–1 1.8L
ISC Event type se.
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC IV 08 09 52 34.0–.72 44.30N–.01 7.28E–.01 17–4 396 0-13
NEIC IV 08 09 52 33.5–2.2 44.28N–.05 7.34E–.05 4–11 2.9L ¶610523730
ROM IV 08 09 52 34.1–.13 44.275N–.01 7.28E–.01 15–1 3.1L
BGR IV 08 09 52 34.8–.68 44.38N 7.05E 10 3.1L
STR IV 08 09 52 34.6–.26 44N–1.0 7E–2.0 5 3.5
LDG IV 08 09 52 34.7–.04 44.29N 7.29E 11 3.5L,3.4
GEN IV 08 09 52 34.2 44.29N 7.29E 11–0 3.3L,3.4
PRU IV 08 09 52 38.0–.00 44.51N 7.41E 10 3.3L,3.4
ISC Event type ke.
NEIC Event type ke. Error ellipse: s-maj=8.4km s-min=2.3km az=210.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ROM Event type se. Error ellipse: s-maj=1.1km s-min=0.5km az=229.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
BGR Event type ke. Error ellipse: s-maj=8.9km s-min=7.8km az=66.0.
STR Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=80.5. manual.
smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/alpes_taup-2.11. preliminary.
LDG Event type ke. Error ellipse: s-maj=0.9km s-min=0.7km az=65.0.
ISC IV 12 22 42 56.1–.78 44.88N–.01 11.28E–.02 17–5 237 0-7
STR IV 12 22 42 52.7–1.2 45N–5.0 12E–10 0 3.0 ¶610527193
ROM IV 12 22 42 54.8–.43 44.877N–.00 11.281E–.01 10–1 2.6L
PRU IV 12 22 42 54.9–.00 44.83N 11.20E 0 2.6L
LDG IV 12 22 42 57.5–.18 44.87N 11.32E 5 2.7L
ISC Event type ke.
STR Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=94.0. manual.
smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/alpes_taup-2.11. preliminary.
ROM Event type se. Error ellipse: s-maj=0.5km s-min=0.1km az=90.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
LDG Event type ke. Error ellipse: s-maj=4.8km s-min=3.2km az=94.0.
ISC IV 17 18 21 12.0–1.1 45.03N–.02 12.55E–.02 11–10 90 0-4
PRU IV 17 18 21 10.3–.00 45.14N 15.33E 0 ¶610529499
ROM IV 17 18 21 11.9–.20 45.025N–.01 12.536E–.01 5–1 2.2L
ISC Event type se.
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC IV 21 00 55 33.4–.93 44.48N–.02 12.35E–.02 44–7 200 0-7
STR IV 21 00 55 30.9–1.3 44N–6.0 12E–9.0 10 3.1 ¶610546567
ROM IV 21 00 55 33.4–.08 44.457N–.00 12.412E–.01 32–0 2.6L
PRU IV 21 00 55 34.3–.00 44.67N 12.65E 1 2.6L
LDG IV 21 00 55 35.2 44.46N 12.40E 26 2.6L
ISC Event type ke.
STR Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=89.2. manual.
smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/alpes_taup-2.11. preliminary.
ROM Event type se. Error ellipse: s-maj=0.6km s-min=0.4km az=252.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
LDG Event type ke.
ROM IV 23 12 37 45.9–.17 44.37N–.02 7.45E–.02 7–2 1.4L
GEN IV 23 12 37 46.5 44.34N 7.40E 6–1 1.1L ¶610578724
STR IV 23 12 37 46.9–.85 44N–3.0 7E–4.0 6 1.5
LDG IV 23 12 37 47.1–.06 44.37N 7.45E 6 2.0L,1.9
ROM Event type se. Error ellipse: s-maj=1.9km s-min=0.8km az=216.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
STR Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=58.8. manual.
smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/alpes_taup-2.11. preliminary.
LDG Event type ke. Error ellipse: s-maj=1.3km s-min=0.9km az=52.0.
ROM IV 25 21 06 25.8–.17 45.85N–.02 10.00E–.01 8–2 0.9L ¶614397861
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC IV 26 16 46 07.8–.88 44.83N–.01 11.39E–.02 17–2 272 0-9
BGR IV 26 16 46 01.2–1.0 44.66N 11.01E 10 3.3L ¶610575485
ROM IV 26 16 46 05.9–.18 44.828N–.00 11.423E–.01 8–0 3.1L
STR IV 26 16 46 05.2–1.8 45N–4.0 12E–16 10 3.4
LDG IV 26 16 46 08.8–.21 44.86N 11.38E 11 3.1L
PRU IV 26 16 46 09.8–.00 44.80N 11.57E 10 3.1L
ISC Event type ke.
BGR Event type ke. Error ellipse: s-maj=15.6km s-min=11.1km az=62.0.
ROM Event type se. Error ellipse: s-maj=0.5km s-min=0.4km az=75.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
STR Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=91.2. manual.
smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/alpes_taup-2.11. preliminary.
LDG Event type ke. Error ellipse: s-maj=5.1km s-min=3.1km az=94.0.
ROM IV 26 16 46 35.9–.14 44.816N–.01 11.45E–.01 8 2.6L ¶614397965
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM IV 27 11 24 18.3–.08 44.827N–.00 11.434E–.01 8 1.9L ¶610566398
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
VIE V 02 17 03 18.0 46.88N 11.35E 8 1.2L,0.9b ¶611627279
VIE 5 km NNE of Jaufenpass .
GEN V 03 06 31 56.9 44.24N 10.10E 7–2 0.6L

¶617229468
ROM V 09 15 44 09.4–.11 45.965N–.01 12.219E–.01 12–1 1.3L
¶611627385
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC V 14 10 52 51.4–.78 46.90N–.01 11.45E–.01 18–4 403 0-10
STR V 14 10 52 49.8–1.6 47N–8.0 12E–13 5 3.2 ¶610638607
VIE V 14 10 52 51.1 46.88N 11.47E 12 3.3L,2.2b
ROM V 14 10 52 51.5–.05 46.899N–.00 11.445E–.01 12–0 3.0L,2.2b
ZUR V 14 10 52 51.5 46.89N 11.47E 12–0 2.9,2.2b
LDG V 14 10 52 52.1–.10 46.91N 11.44E 11 2.9L,2.2b
PRU V 14 10 52 53.3 46.97N 11.55E 6 2.9L,2.2b
BGR V 14 10 52 54.4–.31 46.96N 11.51E 10 2.9L,2.2b
ISC Event type fe.
STR Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=68.5. manual.
smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. preliminary.
VIE Event type fe. 3 km SE of Vipiteno .
ROM Event type se. Error ellipse: s-maj=0.5km s-min=0.1km az=138.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ZUR Event type ke. Error ellipse: s-maj=1783.7km s-min=694.2km az=238.0.
LDG Event type ke. Error ellipse: s-maj=2.5km s-min=1.7km az=42.0.
BGR Event type ke. Error ellipse: s-maj=7.8km s-min=4.4km az=174.0.
GEN V 23 09 22 01.6 44.29N 7.52E -2–3 0.6L
¶615392998
ROM V 26 00 24 50.7–.09 44.04N–.01 11.027E–.01 11–0 0.9L
¶616385384
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
STR V 26 04 19 37.6–1.1 44N–5.0 7E–5.0 11 0.7
LDG V 26 04 19 37.8–.07 44.26N 7.30E 7 1.5L,1.3 ¶617229494
STR Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=38.8. manual.
smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/alpes_taup-2.11. preliminary.
LDG Event type ke. Error ellipse: s-maj=1.7km s-min=1.0km az=70.0.
ROM V 27 19 58 36.1–.06 44.108N–.00 11.678E–.01 9–0 1.0L
¶616385559
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ROM VI 03 08 23 58.5–.11 44.170N–.01 11.158E–.01 9–0 1.0L
¶615393028
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
GEN VI 03 08 24 30.4 44.08N 11.18E 17–2 0.5L
¶617481119
ISC VI 03 13 25 05.3–.77 44.51N–.01 9.54E–.01 17–5 3.8b 465 0-49
STR VI 03 13 25 03.6–.67 44N–3.0 10E–7.0 5 3.8 ¶610661307
IDC VI 03 13 25 04.8–1.4 44.65N 9.56E 0 3.6,3.6b
GEN VI 03 13 25 04.8 44.53N 9.65E 12–1 3.3L,3.6b
ROM VI 03 13 25 05.0–.11 44.503N–.01 9.597E–.01 10–0 3.5L,3.6b
PRU VI 03 13 25 05.1 44.64N 9.41E 10 3.5L,3.6b
LDG VI 03 13 25 05.3–.10 44.51N 9.62E 20 3.7L,3.6b
BGR VI 03 13 25 07.7–.54 44.67N 9.60E 10 3.6L,3.6b
ISC Event type ke.
STR Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=99.6. manual.
smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/alpes_taup-2.11. preliminary.
IDC Error ellipse: s-maj=41.0km s-min=15.2km az=127.0.
ROM Event type se. Error ellipse: s-maj=0.6km s-min=0.1km az=16.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
LDG Event type ke. Error ellipse: s-maj=2.6km s-min=2.0km az=28.0.
BGR Event type ke. Error ellipse: s-maj=8.9km s-min=5.6km az=25.0.
ROM VI 03 14 13 53.0–.22 44.50N–.01 9.58E–.01 9–1 2.5L
STR VI 03 14 13 51.6–1.6 44N–16 10E–9.0 0 2.5 ¶610661310
LDG VI 03 14 13 52.6–.19 44.39N 9.59E 2 2.7L
PRU VI 03 14 13 58.8 44.95N 9.54E 0 2.7L
ROM Event type se. Error ellipse: s-maj=1.1km s-min=0.6km az=8.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
STR Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=11.4. manual.
smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/alpes_taup-2.11. preliminary.
LDG Event type ke. Error ellipse: s-maj=4.5km s-min=2.4km az=85.0.
ROM VI 04 10 20 07.3–.07 46.461N–.00 12.696E–.01 6–0 0.9L
VIE VI 04 10 20 08.4–.44 46.52N 12.69E 14 1.2L ¶611627752
ROM Event type se. Error ellipse: s-maj=0.3km s-min=0.2km az=110.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
VIE Error ellipse: s-maj=3.4km s-min=1.4km az=179.0. 12 km ESE of San Stefano di Cadore .
ISC VI 04 18 00 56.8–.43 45.65N–.01 10.67E–.01 11–2 574 0-10
ZUR VI 04 18 00 56.8 45.66N 10.70E 7–1 3.7 ¶610661312
ROM VI 04 18 00 56.9–.05 45.669N–.00 10.686E–.00 8–0 3.6L
STR VI 04 18 00 57.0–.91 46N–4.0 11E–8.0 5 3.9
LDG VI 04 18 00 58.3–.08 45.69N 10.73E 10 3.6L
PRU VI 04 18 00 59.5 45.68N 10.88E 10 3.6L
BGR VI 04 18 00 59.2–.36 45.65N 10.69E 10 3.8L
BEO VI 04 18 01 00.0–.80 45.63N 10.74E 29–7 3.6L
BNS VI 04 18 01 01.8–.51 45.89N 11.14E 10 3.4L
ISC Event type ke.
ZUR Event type ke. Error ellipse: s-maj=3312.1km s-min=963.2km az=149.0.
ROM Event type se. Error ellipse: s-maj=0.4km s-min=0.1km az=201.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
STR Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=94.7. manual.
smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/alpes_taup-2.11. preliminary.
LDG Event type ke. Error ellipse: s-maj=2.2km s-min=1.8km az=38.0.
BGR Event type ke. Error ellipse: s-maj=6.7km s-min=4.4km az=16.0.
BEO Event type ke.
BNS Event type ke.
STR VI 09 19 43 47.0–.81 44N–4.0 7E–4.0 5 0.5
¶616651462
STR Event type se. manual. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/alpes_taup-2.11.
preliminary.
ISC VI 09 20 54 43.1–.76 44.20N–.02 10.01E–.01 14–4 259 0-8
STR VI 09 20 54 43.8–.94 44N–4.0 10E–9.0 10 3.1 ¶610670927
ROM VI 09 20 54 43.4–.11 44.220N–.01 10.065E–.01 10–0 2.8L
GEN VI 09 20 54 43.4 44.24N 10.10E 11–0 2.6L
LDG VI 09 20 54 43.4–.06 44.20N 10.06E 11 3.0,3.0L
PRU VI 09 20 54 46.3 44.25N 10.29E 10 3.0,3.0L
ISC Event type ke.
STR Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=101.8. manual.
smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/alpes_taup-2.11. preliminary.
ROM Event type se. Error ellipse: s-maj=0.8km s-min=0.2km az=23.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
LDG Event type ke. Error ellipse: s-maj=1.8km s-min=1.1km az=17.0.
STR VI 13 04 08 15.0–.38 45N–2.0 7E–3.0 5 1.2
¶617196518
STR Event type se. manual. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/alpes_taup-2.11.
preliminary.
STR VI 13 04 08 26.7–.39 45N–2.0 7E–3.0 5 1.2
LDG VI 13 04 08 26.4–.08 44.66N 7.04E 12 1.6L,1.5 ¶616651493
ROM VI 13 04 08 26.1–.11 44.654N–.01 7.04E–.01 11 1.1L,1.5
GEN VI 13 04 08 26.9 44.65N 7.12E 7–1 0.8L,1.5
STR Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=83.2. manual.
smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/alpes_taup-2.11. preliminary.
LDG Event type ke. Error ellipse: s-maj=1.6km s-min=1.2km az=62.0.
ROM Event type se. Error ellipse: s-maj=1.1km s-min=0.5km az=257.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC VI 13 22 46 55.9–.77 46.14N–.01 12.36E–.01 8–4 207 0-9
ROM VI 13 22 46 55.4–.08 46.150N–.01 12.381E–.01 7–0 2.5L ¶610673004
LDG VI 13 22 46 57.5–.09 46.19N 12.51E 7 2.8L
PRU VI 13 22 46 59.2 46.22N 12.50E 5 2.8L
ISC Event type ke.
ROM Event type se. Error ellipse: s-maj=0.6km s-min=0.3km az=149.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
LDG Event type ke. Error ellipse: s-maj=3.9km s-min=1.9km az=6.0.
ZUR VI 18 07 11 21.7 45.94N 8.08E 12–2 1.0
ROM VI 18 07 11 21.1–.19 45.95N–.01 8.09E–.02 15–2 0.9L ¶617481140
ZUR Event type ke.
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
ISC VI 20 01 37 12.9–.63 44.19N–.01 11.52E–.02 25–4 3.9b,3.1s 662 0-86
IDC VI 20 01 37 09.3–.92 44.19N 11.61E 0 3.8b,3.7 ¶610681916
NAO VI 20 01 37 10.6 43.66N 11.83E 33 3.4b,3.7
LDG VI 20 01 37 11.6–.10 44.27N 11.63E 10 3.9L,3.6
PRU VI 20 01 37 12.9 44.40N 11.73E 0 3.9L,3.6
MED_R VI 20 01 37 12.0–.70 44.36N 11.67E 25–3 4.1W,3.6
BGR VI 20 01 37 13.0–.48 44.30N 11.50E 10 4.1L,3.6
ROM VI 20 01 37 12.7–.05 44.204N–.00 11.517E–.01 28–0 3.7L,3.6
BNS VI 20 01 37 13.7–.35 44.27N 11.40E 10 3.8L,3.6
STR VI 20 01 37 13.5–.87 44N–5.0 11E–6.0 10 3.9,3.6
ISC Event type ke.
LDG Event type ke.
MED_R nsta1 refers to body waves. nsta2 refers to surface waves, cutoff=30s. Moment Tensor
Solution. Mantle waves: s8,c10;Duration: 1δ0 Moment tensor: Scale 10^{15}Nm; M_{rr}0.97±.20
$M_{\theta\theta}$-0.59±.16; $M_{\phi\phi}$-0.38±.13; $M_{r\theta}$1.70±.38; $M_{\theta\phi}$0.56±.10; $M_{\phi r}$-0.58±.14; Best double couple:
NP1:ϕ_s112.00000°,δ76.00000°,λ80.00000°. NP2:ϕ_s327.00000°,δ17.00000°,λ124.00000°.
Principal axes: T 2.0800,Plg58.0000°,Azm9.0000°; N -0.0200,Plg9.0000°,Azm114.0000°
; P -2.0500,Plg30.0000°,Azm210.0000° $M_0$2.06000×10^{15}
BGR Event type ke.
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
BNS Event type ke.
STR Event type se. manual. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. preliminary.
STR VI 23 20 17 30.2–.71 44N–3.0 7E–2.0 13–9 0.7
LDG VI 23 20 17 30.0–.04 44.34N 7.32E 12 1.5,1.2L ¶610780032
STR Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=26.0. manual.
smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/alpes_taup-2.11. preliminary.
LDG Event type ke. Error ellipse: s-maj=0.8km s-min=0.6km az=45.0.
VIE VI 24 17 57 17.9–.82 46.53N 12.73E 12–10 0.9L
¶611627968
VIE Error ellipse: s-maj=4.2km s-min=2.2km az=19.0. 11 km W of Comeglians .
ROM VI 26 00 33 51.1–.13 46.320N–.01 12.74E–.01 7–1 1.2L
VIE VI 26 00 33 51.4–.15 46.31N 12.72E 9–1 1.8b,1.6L ¶611627977
ROM Event type se. Error ellipse: s-maj=0.9km s-min=0.2km az=160.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
VIE Error ellipse: s-maj=1.5km s-min=0.8km az=13.0. 13 km SSW of Ampezzo .
GEN VI 26 00 35 08.2 44.18N 10.40E 4–0 0.6L
¶615393078

(546) Austria.

VIE I 07 19 18 21.6 47.71N 16.02E 4 0.4L
¶611306334
VIE 2 km SW of Ternitz .
VIE I 11 11 38 24.1 47.30N 10.96E 4 1.4L
¶611306374
VIE 8 km W of Telfs .
ISC I 12 17 21 45.1–.90 47.32N–.02 11.42E–.01 6–7 152 0-8
VIE I 12 17 21 44.8 47.32N 11.46E 6 2.7L,1.9b ¶610097411
ROM I 12 17 21 45.6–.42 47.32N–.03 11.50E–.02 10 2.4L,1.9b
LDG I 12 17 21 45.3–.15 47.30N 11.40E 2 2.6L,1.9b
BGR I 12 17 21 47.2–.27 47.31N 11.39E 10 2.5L,1.9b
PRU I 12 17 21 50.3–.00 47.51N 11.54E 1 2.5L,1.9b
ISC Event type fe.
VIE Event type fe. 5 km NW of Hall in Tirol . felt 3-4 ems98 Karwendel / Tyrol.
ROM Event type se. Error ellipse: s-maj=2.9km s-min=1.5km az=354.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
LDG Event type ke. Error ellipse: s-maj=3.5km s-min=2.9km az=15.0.
BGR Event type ke. Error ellipse: s-maj=6.7km s-min=4.4km az=174.0.
PRU Hall In Titol.
VIE I 21 12 30 37.5 46.47N 13.38E 9 1.3L,0.9b
LJU I 21 12 30 37.3–.38 46.46N 13.40E 11–1 1.1L,0.9b ¶611306488
VIE 7 km SE of Pontebba .
LJU Error ellipse: s-maj=0.8km s-min=1.0km az=-1.0.
VIE I 22 04 46 23.4 47.63N 15.92E 12 0.6L
¶611306509
VIE 5 km SSW of Gloggnitz .
ISC I 29 08 55 44.5–1.4 46.35N–.03 13.20E–.03 12–9 28 0-1
VIE I 29 08 55 44.3 46.34N 13.18E 8 0.9L ¶611306639
ISC Event type ke.
VIE 2 km ENE of Venzone .
ROM II 24 16 31 32.4–.09 46.524N–.01 13.226E–.00 10–0 1.3L
VIE II 24 16 31 33.2 46.55N 13.23E 7 1.4L,1.1b ¶611306986
ROM Event type se. Error ellipse: s-maj=0.6km s-min=0.3km az=11.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
VIE 4 km WSW of Nassfeld .
LJU II 24 16 32 23.6 46.31N 13.64E 9 0.8L
¶616228567
ISC III 02 08 41 21.9–.92 47.33N–.01 14.10E–.01 17–7 199 0-7
VIE III 02 08 41 20.8 47.34N 14.11E 14 3.2L,2.3b ¶610243240
ROM III 02 08 41 21.4–.14 47.41N 14.10E 11 2.8L,2.3b
PRU III 02 08 41 21.3–.00 47.38N 14.18E 5 2.8L,2.3b
LDG III 02 08 41 22.0–.24 47.33N 13.99E 3 3.2L,2.3b
BGR III 02 08 41 22.9–.21 47.39N 14.12E 10 3.2L,2.3b
ISC Event type fe.
VIE Event type fe. 15 km NNW of Pllau am Grein . felt 3-4 ems98 Woelzer Tauern / Styria.
ROM Event type se. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
LDG Event type ke. Error ellipse: s-maj=5.3km s-min=4.3km az=72.0.
BGR Event type ke. Error ellipse: s-maj=3.3km s-min=3.3km az=87.0.
ISC III 23 13 11 07.6–.73 46.32N–.01 13.16E–.01 13–3 220 0-8
BGR III 23 13 11 07.2–.64 46.29N 13.19E 10 2.6L ¶610431613
LDG III 23 13 11 07.9–.19 46.31N 13.17E 11 3.0L
ROM III 23 13 11 07.3–.07 46.337N–.00 13.171E–.01 10–0 2.8L
VIE III 23 13 11 07.2 46.33N 13.15E 6 3.0L,2.3b
PRU III 23 13 11 08.4–.00 46.33N 13.18E 4 3.0L,2.3b
ISC Event type ke.
BGR Event type ke. Error ellipse: s-maj=7.8km s-min=3.3km az=179.0.
LDG Event type ke. Error ellipse: s-maj=5.1km s-min=4.4km az=16.0.
ROM Event type se. Error ellipse: s-maj=0.5km s-min=0.4km az=203.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
VIE 1 km S of Venzone .
ROM III 24 17 47 08.0–.08 46.339N–.01 13.026E–.01 8–0 2.5L
VIE III 24 17 47 08.2 46.35N 13.00E 9 2.5L,1.9b ¶610434672
PRU III 24 17 47 10.3–.00 46.40N 13.01E 12 2.5L,1.9b
ROM Event type se. Error ellipse: s-maj=0.5km s-min=0.4km az=174.0. manual. hypocenter.
smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID
smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.

VIE 7 km SSW of Tolmezzo .
ISC IV 21 04 10 21.9–1.0 47.54N–.03 13.52E–.03 9–8 27 0-3
VIE IV 21 04 10 21.6 47.52N 13.50E 7 2.2L,1.9b **¶610547827**
PRU IV 21 04 10 22.4–.00 47.53N 13.53E 1 2.2L,1.9b
ISC Event type ke.
VIE 7 km SSW of Gosau .
ISC IV 21 21 24 42.7–.96 47.15N–.02 10.01E–.01 6–8 92 0-5
LDG IV 21 21 24 40.9–.28 47.22N 10.24E 2 2.3,2.0L **¶610578701**
STR IV 21 21 24 40.8–1.5 47N–17 10E–8.0 5 1.9,2.0L
VIE IV 21 21 24 42.5 47.15N 10.01E 3 1.9L,1.7b
BUG IV 21 21 24 43.0–.00 47.14N 10.05E 6–3 2.6,2.4L
ROM IV 21 21 24 43.4–.31 47.08N–.02 9.94E–.02 10 1.3L,2.4L
BGR IV 21 21 24 43.8–.42 47.12N 9.97E 10 1.8L,2.4L
ISC Event type fe.
LDG Event type ke. Error ellipse: s-maj=4.3km s-min=3.3km az=99.0.
STR Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=8.1. manual. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/alpes_taup-2.11. preliminary.
VIE Event type fe. 9 km W of Langen am Arlberg . felt 3 ems98 at Wald am Arlberg / Vorarlberg.
BUG Event type ke.
ROM Event type se. Error ellipse: s-maj=2.4km s-min=1.4km az=23.0. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
BGR Event type ke. Error ellipse: s-maj=6.7km s-min=3.3km az=2.0.
ISC V 06 06 23 00.5–.87 47.80N–.03 14.20E–.02 10–6 51 0-4
VIE V 06 06 23 00.4 47.75N 14.22E 5 2.5L,2.2b **¶610618903**
IPEC V 06 06 23 00.8–.14 47.75N 14.26E 4–0 2.4L,2.2b
PRU V 06 06 23 02.3 47.86N 14.15E 0 2.4L,2.2b
ISC Event type fe.
VIE Event type fe. 7 km NE of Hinterstoder . felt 3-4 ems98 Northwest of Windischgarsten / Upper Austria.
IPEC Event type ke. Error ellipse: s-maj=1.3km s-min=0.6km az=58.0.
ISC V 12 07 44 12.9–.75 47.29N–.01 11.32E–.01 17–4 370 0-10
VIE V 12 07 44 12.1 47.25N 11.33E 15 3.5L,2.5b **¶610630797**
BGR V 12 07 44 12.0–.28 47.16N 11.42E 10 3.5L,2.5b
LDG V 12 07 44 12.5–.16 47.28N 11.37E 8 3.4L,2.5b
ZUR V 12 07 44 12.3 47.27N 11.36E 15–1 3.5,2.5b
ROM V 12 07 44 13.2–.13 47.223N–.01 11.341E–.01 5 3.2L,2.5b
BUG V 12 07 44 13.9–.00 47.31N 11.29E 12–15 4.0L,3.6
PRU V 12 07 44 14.0 47.35N 11.43E 10 4.0L,3.6
STR V 12 07 44 15.5–.76 47N–4.0 11E–6.0 15 3.6,3.6
BNS V 12 07 44 17.2–.37 47.29N 11.06E 15 3.0L,3.6
ISC Event type fe.
VIE Event type fe. 4 km ESE of Kematen in Tirol . felt 4 ems98 at Voels / Tyrol.
BGR Event type ke. Error ellipse: s-maj=6.7km s-min=3.3km az=175.0.
LDG Event type ke. Error ellipse: s-maj=3.6km s-min=2.7km az=29.0.
ZUR Event type ke. Error ellipse: s-maj=2549.2km s-min=621.2km az=188.0.
ROM Event type se. Error ellipse: s-maj=0.9km s-min=0.6km az=344.0. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
BUG Event type ke.
PRU Kematen In Tirol; Zamg.
STR Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=74.3. manual. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/iasp91. preliminary.
BNS Event type ke.
ISC V 18 19 04 59.1–1.1 47.52N–.03 12.10E–.02 3–10 56 0-4
VIE V 18 19 04 58.9 47.49N 12.07E 14 2.1L,1.4b **¶610646304**
BUG V 18 19 04 58.6–1.2 47.43N 12.26E 8–8 2.5L,2.3
BGR V 18 19 04 59.7–.25 47.49N 12.09E 10 1.9L,2.3
PRU V 18 19 04 59.4 47.48N 12.16E 0 1.9L,2.3
ISC Event type fe.
VIE Event type fe. 0 km N of Wrgl . felt 2-3 ems98 at Woergl / Tyrol.
BUG Event type ke.
BGR Event type ke. Error ellipse: s-maj=4.4km s-min=2.2km az=167.0.
PRU Worgl; Zamg.
ISC V 25 12 08 29.1–.86 47.62N–.01 15.62E–.01 9–6 209 0-6
IPEC V 25 12 08 28.9–.13 47.59N 15.63E 9–1 2.9L **¶610655117**
KRSZO V 25 12 08 29.0–.84 47.61N 15.60E 9–3 2.8L
VIE V 25 12 08 29.0–.09 47.58N 15.62E 7–0 2.8L,2.2b
BGR V 25 12 08 28.5–.51 47.64N 15.69E 10 3.0L,2.2b
PRU V 25 12 08 31.3 47.70N 15.62E 5 3.0L,2.2b
ISC Event type fe.
IPEC Event type ke. Error ellipse: s-maj=1.6km s-min=1.2km az=11.0.
KRSZO Event type ke. Error ellipse: s-maj=2.2km s-min=2.1km az=3.0.
VIE Event type fe. Error ellipse: s-maj=0.9km s-min=0.7km az=136.0. 5 km SW of Mrzzuschlag . felt 4 ems98 at Langenwang / Styria.
BGR Event type ke. Error ellipse: s-maj=6.7km s-min=3.3km az=85.0.
PRU Muerzzuschlag.
VIE V 27 14 00 52.4–.24 46.98N 13.17E 10–3 1.5b,1.3L
¶611627682
VIE Error ellipse: s-maj=1.7km s-min=1.2km az=172.0. 2 km S of Mallnitz .
ISC V 27 16 39 09.3–.90 47.38N–.02 11.89E–.01 9–7 156 0-7
VIE V 27 16 39 09.9–.14 47.35N 11.85E 6–1 2.3L,1.6b **¶610655153**
STR V 27 16 39 09.8–1.6 48N–20 12E–10 5 2.5,1.6b
LDG V 27 16 39 10.1–.18 47.39N 11.87E 4 2.4L,1.6b
BGR V 27 16 39 10.8–.25 47.36N 11.88E 10 2.1L,1.6b
ROM V 27 16 39 10.9–.28 47.28N–.02 11.83E–.01 5–1 1.9L,1.6b
PRU V 27 16 39 13.9 47.45N 12.08E 25 1.9L,1.6b
ISC Event type fe.
VIE Event type fe. Error ellipse: s-maj=1.4km s-min=0.8km az=179.0. 5 km NNW of Ried im Zillertal . felt 3 ems98 at Fuegen / Tyrol.
STR Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=3.1. manual. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/alpes_taup-2.11. preliminary.
LDG Event type ke. Error ellipse: s-maj=4.0km s-min=2.0km az=45.0.
BGR Event type ke. Error ellipse: s-maj=3.3km s-min=2.2km az=169.0.
ROM Event type se. Error ellipse: s-maj=1.8km s-min=0.5km az=23.0. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
PRU Ried Im Zillertal.
ROM V 27 19 59 30.0–.21 46.314N–.01 13.62E–.01 5–1 2.1L
PRU V 27 19 59 28.9 46.29N 13.82E 10 2.1L **¶611474911**
VIE V 27 19 59 29.9 46.33N 13.64E 13 2.2L,1.8b
LJU V 27 19 59 30.0 46.34N 13.64E 10 1.9L,1.8b
ROM Event type se. Error ellipse: s-maj=1.0km s-min=0.7km az=47.0. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.
VIE 7 km E of Bovec .
ISC VI 10 02 16 35.7–.85 47.29N–.02 10.14E–.01 10–6 123 0-5
STR VI 10 02 16 35.6–1.3 47N–13 10E–7.0 10 2.0 **¶610670934**
BUG VI 10 02 16 35.4 47.24N 10.14E 11–3 3.1,2.4L
ZUR VI 10 02 16 35.0 47.28N 10.15E -2–2 1.9,2.4L
BGR VI 10 02 16 36.7–.26 47.30N 10.14E 10 1.9L,2.4L
VIE VI 10 02 16 36.0–.14 47.26N 10.13E 3 1.9L,1.5b
LDG VI 10 02 16 36.6–.13 47.29N 10.19E 4 2.2L,2.1
PRU VI 10 02 16 39.3 47.38N 10.28E 13 2.2L,2.1
ISC Event type ke.
STR Event type se. Error ellipse: s-maj=0.0km s-min=0.0km az=10.3. manual. smi:scs/0.7/LOCSAT. earthModelID smi:scs/0.7/alpes_taup-2.11. preliminary.
BUG Event type ke.
ZUR Event type ke. Error ellipse: s-maj=5447.5km s-min=1759.9km az=281.0.
BGR Event type ke. Error ellipse: s-maj=4.4km s-min=2.2km az=168.0.
VIE Error ellipse: s-maj=1.3km s-min=1.0km az=171.0. 4 km W of Warth .
LDG Event type ke. Error ellipse: s-maj=2.5km s-min=1.7km az=160.0.
ISC VI 20 08 05 57.3–.91 47.56N–.02 13.58E–.02 9–7 78 0-6
VIE VI 20 08 05 56.8–.09 47.53N 13.55E 4–1 2.8L,2.1b **¶610681934**
PRU VI 20 08 05 57.6 47.58N 13.57E 2 2.8L,2.1b
IPEC VI 20 08 05 57.3–.20 47.56N 13.60E 8–0 2.8L,2.1b
ROM VI 20 08 05 58.3–.31 47.53N–.02 13.56E–.02 10 2.3L,2.1b
ISC Event type fe.
VIE Event type fe. 6 km SSE of Gosau . felt 4 ems98 South of Gosau / Upper Austria.
IPEC Event type ke.

ROM Event type se. manual. hypocenter. smi:webservices.ingv.it/fdsnws/event/1/query?methodId=1. earthModelID smi:webservices.ingv.it/fdsnws/event/1/query?earthModelId=1.

(547) Czech and Slovak Republics.

ISC I 12 13 21 45.4–1.1 49.59N–.04 17.45E–.06 7 11 0-1
¶616062586
ISC Event type ke.
ISC II 10 09 35 48.6–1.2 49.56N–.09 18.00E–.05 10 8 0-1
¶616226377
ISC Event type ke.
KRSZO IV 04 07 38 25.0–1.1 48.49N 19.35E 0 2.0L
¶617153870
KRSZO Event type ke. Error ellipse: s-maj=6.2km s-min=4.7km az=169.0.
ISC IV 12 10 28 33.0–1.2 48.83N–.06 18.13E–.05 12–12 10 0-1
¶617152204
ISC Event type ke.
ISC IV 20 08 38 36.8–1.2 48.63N–.07 18.11E–.05 10 8 0-1
¶617152124
ISC Event type ke.
ISC VI 02 08 24 54.9–1.3 49.89N–.07 17.51E–.07 10 10 0-2
¶617479316
ISC Event type ke.
ISC VI 02 09 33 02.3–1.2 48.80N–.08 18.13E–.04 10 8 0-1
¶617479298
ISC Event type ke.
KRSZO VI 14 07 32 12.4–1.2 48.63N 19.86E 5 1.5L
¶610678605
KRSZO Event type ke. Error ellipse: s-maj=5.4km s-min=5.3km az=51.0.
ISC VI 15 08 39 18.8–1.2 49.17N–.04 18.86E–.03 5–12 13 0-1
¶617479396
ISC Event type ke.
ISC VI 19 10 33 37.3–1.1 48.81N–.06 18.10E–.04 10 9 0-1
¶617479371
ISC Event type ke.

(548) Poland.

PRU I 29 13 11 23.8–.00 50.53N 16.10E 0
¶611654715
PRU Hronov.

(549) Hungary.

KRSZO I 27 01 24 41.6–1.3 47.44N 18.35E 6–9 1.6L
¶610147518
KRSZO Event type ke. Error ellipse: s-maj=9.4km s-min=3.5km az=115.0.
KRSZO II 22 05 43 33.4–.95 46.29N 17.11E 17–7 2.0L
¶610240603
KRSZO Event type ke. Error ellipse: s-maj=4.0km s-min=3.1km az=166.0.

SEISMIC REGION 37.
Africa.

(552) Libya.

IDC II 25 01 29 06.9–319 29.77N 15.55E 0
¶610384969
IDC Error ellipse: s-maj=192.6km s-min=113.2km az=136.0.
ISC IV 03 10 36 14.5–.94 28.47N–.09 11.5E–.10 10 3.9b 11 7-58
IDC IV 03 10 36 12.9–1.2 28.44N 11.55E 0 3.8,3.8b **¶610651833**
ISC Event type ke.
IDC Error ellipse: s-maj=25.1km s-min=19.0km az=96.0.

(553) Egypt.

ISC I 01 03 21 14.6–3.7 30.52N–.07 31.5E–.20 10 47 3-4
GII I 01 03 21 19.5–.49 30.47N 31.40E 31 3.5,3.3 **¶612616371**
ISC Event type ke.
GII Event type ke.
ISC I 01 11 48 31.7–2.6 30.3N–.10 31.95E–.04 4–18 21 0-3
GII I 01 11 48 30.7–.00 30.53N 31.94E 1 2.9,2.7 **¶612616377**
HLW I 01 11 48 32.6 30.27N 31.93E 2–3 1.9,2.7
ISC Event type ke.
GII Event type ke.
ISC I 01 12 01 42.2–1.5 30.2N–.10 31.95E–.05 14 17 0-3
GII I 01 12 01 37.5–.00 30.07N 31.83E 1 2.6 **¶612616378**
HLW I 01 12 01 41.8 30.26N 31.94E 4–31 1.9
ISC Event type ke.
GII Event type ke.
ISC I 03 17 44 44.8–1.5 30.45N–.05 31.98E–.03 5–14 39 1-5
HLW I 03 17 44 47.5 30.29N 31.93E 0–1 3.1L **¶612616443**
GII I 03 17 44 48.4–.00 30.66N 32.07E 1–0 2.7,2.6
ISC Event type ke.
GII Event type ke.
ISC I 03 22 53 53.8–1.7 30.34N–.06 31.95E–.04 7–15 29 0-4
HLW I 03 22 53 55.6 30.24N 31.94E 1–2 2.6L **¶612616444**
GII I 03 22 53 55.0–.78 30.59N 31.74E 32–4 2.9,2.8
ISC Event type ke.
GII Event type ke.
ISC I 05 06 05 19.7–1.4 30.36N–.04 31.93E–.03 3–12 66 0-5
GII I 05 06 05 16.1–.00 30.51N 31.32E 22 4.0b,3.8 **¶612618296**
HLW I 05 06 05 21.0 30.27N 31.94E 0–1 4.0b,3.8
ISC Event type ke.
GII Event type ke.
ISC I 06 02 38 54.2–1.9 30.28N–.06 31.88E–.05 5–12 27 0-3
GII I 06 02 38 53.0–.00 30.26N 31.75E 10 2.9 **¶612618317**
HLW I 06 02 38 54.7 30.31N 31.94E 6–1 3.1L,2.7
ISC Event type ke.
GII Event type ke.
ISC I 07 09 10 45.2–1.6 30.32N–.06 31.92E–.04 6–13 32 0-4
GII I 07 09 10 45.9–.00 30.34N 32.05E 1 2.7 **¶612618345**
HLW I 07 09 10 45.5 30.27N 31.93E 2–2 2.4
ISC Event type ke.
GII Event type ke.
ISC I 10 11 27 07.2–2.6 31.9N–.10 30.3E–.10 10 33 2-5
HLW I 10 11 27 06.0 32.15N 30.12E 23–6 3.5L,2.9 **¶612618399**
GII I 10 11 27 13.9–.00 31.94N 30.74E 10 3.1,2.9
ISC Event type ke.
GII Event type ke.
ISC I 17 15 49 51.1–3.4 30.28N–.09 31.9E–.20 10 43 2-5
GII I 17 15 49 50.8–.34 30.32N 31.71E 80 3.8,3.7 **¶610098997**
ISC Event type ke.
GII Event type ke.
ISC I 19 15 29 20.1–2.3 30.35N–.10 31.94E–.08 1–13 44 2-42
GII I 19 15 29 17.2–.32 30.49N 31.49E 100 4.0b,3.8 **¶610101973**
IDC I 19 15 29 20.4–5.8 30.41N 32.04E 0 3.1,3.1b
ISC Event type ke.
GII Event type ke.
IDC Error ellipse: s-maj=99.8km s-min=44.1km az=25.0.
ISC I 21 16 54 22.9–1.6 30.32N–.05 31.87E–.04 2–10 4.1b,3.5s 257 2-85
IDC I 21 16 54 23.5–.97 30.37N 31.90E 0 4.0,4.0b **¶610104795**
NEIC I 21 16 54 23.1–2.2 30.20N–.09 31.83E–.05 10–2 4.3b,4.0b
ISK I 21 16 54 24.1 30.29N 31.79E 29–0 4.7L,4.0b
GII I 21 16 54 24.2–.00 30.31N 31.90E 8 4.5b,4.4
ISC Event type ke.
IDC Error ellipse: s-maj=20.4km s-min=10.5km az=13.0.
NEIC Event type se. Error ellipse: s-maj=14.9km s-min=7.3km az=181.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISK Event type ke.
GII Event type ke.
ISC I 23 04 03 20.9–1.5 30.32N–.06 31.92E–.04 8–10 37 0-4
GII I 23 04 03 19.9–.00 30.35N 31.93E 1–1 2.5 **¶612618690**
HLW I 23 04 03 20.8 30.28N 31.94E 1–1 2.9L

ISC Event type ke.
GII Event type ke.
ISC I 23 20 38 30.9–1.2 30.25N–.04 31.92E–.03 21–3 71 0-9
GII I 23 20 38 27.1–.00 30.37N 31.73E 1–1 4.1b,3.8 ¶610105943
HLW I 23 20 38 30.9 30.27N 31.93E 6–0 3.9L,3.4
ISK I 23 20 38 31.2 30.57N 31.86E 11–0 4.1L,3.4
ISC Event type ke.
GII Event type ke.
ISK Event type ke.
ISC II 01 00 34 57.9–1.9 30.36N–.08 31.92E–.05 4–14 27 0-3
GII II 01 00 34 58.0–.00 30.43N 31.97E 1–1 2.6 ¶612618932
HLW II 01 00 34 59.2 30.28N 31.95E 5–31 2.2
ISC Event type ke.
GII Event type ke.
ISC II 01 13 49 44.9–1.3 30.37N–.07 31.70E–.05 10 34 0-4
GII II 01 13 49 41.8–.00 30.48N 31.58E 1 2.9,2.9 ¶612618938
HLW II 01 13 49 47.0 30.28N 31.92E 0–4 3.1L,2.9
ISC Event type ke.
GII Event type ke.
ISC II 01 13 56 10.2–1.1 30.33N–.07 31.94E–.04 10 25 0-4
HLW II 01 13 56 10.3 30.26N 31.93E 0–6 2.7L ¶612618939
GII II 01 13 56 12.5–.00 30.63N 31.99E 1–0 2.5,2.2
ISC Event type ke.
GII Event type ke.
ISC II 01 16 53 29.9–1.5 30.52N–.07 31.97E–.04 5–15 26 1-3
GII II 01 16 53 26.5–.00 30.30N 31.45E 1 2.8,2.5 ¶612618946
HLW II 01 16 53 33.3 30.28N 31.95E 0–31 2.8L,2.5
ISC Event type ke.
GII Event type ke.
ISC II 08 18 43 09.0–1.7 30.39N–.06 31.88E–.06 6–14 29 0-3
HLW II 08 18 43 10.7 30.26N 31.94E 0–8 2.3 ¶612619321
GII II 08 18 43 12.2–.21 30.42N 31.86E 80 2.9,2.8
ISC Event type ke.
GII Event type ke.
ISC II 08 19 01 44.0–1.9 30.42N–.07 31.9E–.10 3–18 31 0-4
HLW II 08 19 01 44.6 30.37N 31.90E 0–14 2.0 ¶612619322
GII II 08 19 01 47.7–.00 30.49N 31.98E 8–0 2.6
ISC Event type ke.
GII Event type ke.
ISC II 08 20 27 16.9–2.2 30.49N–.08 31.8E–.10 0–20 26 1-3
GII II 08 20 27 17.3–.00 30.54N 31.70E 8–1 2.6,2.4 ¶612619328
HLW II 08 20 27 21.8 30.19N 31.94E 0–19 2.1,2.4
ISC Event type ke.
GII Event type ke.
ISC II 08 21 09 38.5–1.8 30.35N–.06 31.90E–.05 2–16 48 0-5
GII II 08 21 09 38.1–.00 30.41N 31.87E 1–1 3.6,3.6 ¶611187351
HLW II 08 21 09 39.1 30.27N 31.93E 0–19 2.6,3.6
NIC II 08 21 09 42.2–.00 30.42N 31.92E 31–22 3.5L,3.6
ISC Event type ke.
GII Event type ke.
NIC Event type ke.
ISC II 09 00 55 56.7–1.7 30.52N–.06 31.5E–.10 10 34 1-5
GII II 09 00 55 56.9–.29 30.53N 31.32E 80 2.9,2.9 ¶612619333
HLW II 09 00 56 02.3 30.23N 31.92E 0–18 2.5,2.9
ISC Event type ke.
GII Event type ke.
ISC II 09 21 30 50.1–1.1 28.12N–.03 34.60E–.03 11–9 73 0-5
GII II 09 21 30 43.3–.00 27.70N 35.07E 5 3.5,3.4 ¶610208476
HLW II 09 21 30 49.6 28.09N 34.61E 6–2 3.1,3.4
SGS II 09 21 30 52.0 28.21N 34.64E 13 3.1L,3.4
ISC Event type ke.
GII Event type ke.
ISC II 09 22 30 33.2–1.0 28.16N–.03 34.61E–.03 17–7 79 0-5
GII II 09 22 30 25.9–.00 27.72N 34.91E 5 4.0b,3.8 ¶610208477
SGS II 09 22 30 33.9 28.19N 34.59E 10 3.1L,3.8
HLW II 09 22 30 33.3 28.19N 34.59E 4–1 3.6L,3.3
ISC Event type ke.
GII Event type ke.
ISC II 15 18 33 40.4–1.8 30.35N–.06 31.93E–.05 4–14 31 0-4
HLW II 15 18 33 41.5 30.25N 31.96E 0–5 2.5 ¶612619590
GII II 15 18 33 41.8–.00 30.44N 31.84E 20–1 3.0,2.8
ISC Event type ke.
GII Event type ke.
ISC III 05 21 12 49.1–1.6 28.07N–.06 34.31E–.07 7–13 25 0-3
GII III 05 21 12 46.4–.00 27.83N 34.02E 8–0 2.9,2.9 ¶610245498
HLW III 05 21 12 47.4 27.96N 34.50E 10–31 2.8L,2.9
ISC Event type ke.
GII Event type ke.
HLW III 08 07 54 13.1 29.41N 32.37E 0–13 2.4L
¶616255981
ISC III 17 02 48 29.5–1.6 30.43N–.07 31.84E–.09 10 25 0-4
HLW III 17 02 48 30.6 30.30N 31.94E 0–15 2.1 ¶612620820
GII III 17 02 48 31.1–.00 30.45N 31.89E 8–0 2.8
ISC Event type ke.
GII Event type ke.
ISC III 21 17 39 45.5–.96 29.11N–.02 34.76E–.03 20–2 82 0-4
HLW III 21 17 39 43.2 29.07N 34.97E 11–5 3.7L,3.5 ¶610416100
GII III 21 17 39 44.9–.00 29.11N 34.80E 9–1 3.5,3.5
SGS III 21 17 39 45.7 29.14N 34.78E 26 3.1L,3.5
JSO III 21 17 39 46 29.18N 34.72E 9–10 3.7W,3.0L
ISC Event type ke.
GII Event type ke.
ISC III 24 17 35 19.4–1.6 30.37N–.05 31.91E–.04 4–13 49 0-4
GII III 24 17 35 21.3–.00 30.52N 31.95E 6–0 2.9,2.8 ¶612621100
HLW III 24 17 35 21.1 30.25N 31.94E 4–2 3.4L,2.8
ISC Event type ke.
GII Event type ke.
ISC III 24 17 40 10.0–1.4 30.4N–.10 31.88E–.06 10 18 0-4
GII III 24 17 40 09.2–.00 30.42N 31.88E 1–2 3.0 ¶612621101
HLW III 24 17 40 11.0 30.28N 31.93E 3–2 3.3L
ISC Event type ke.
GII Event type ke.
GII III 24 17 40 35.6–.00 30.13N 31.73E 7 3.5
¶612621104
GII Event type ke.
ISC III 24 18 10 28.7–1.5 30.37N–.05 31.89E–.05 10–13 50 0-4
HLW III 24 18 10 30.0 30.28N 31.93E 2–2 4.1L ¶612621105
GII III 24 18 10 32.8–.28 30.41N 31.80E 31 3.4
ISC Event type ke.
GII Event type ke.
ISC III 25 22 51 02.5–1.4 30.35N–.05 31.92E–.03 8–11 55 0-4
HLW III 25 22 51 03.7 30.27N 31.95E 5–1 2.7 ¶612621137
GII III 25 22 51 05.4–.00 30.44N 31.73E 31 3.2,3.1
ISC Event type ke.
GII Event type ke.
ISC III 28 06 42 56.6–2.0 30.41N–.07 31.89E–.04 3–17 27 0-4
GII III 28 06 42 52.2–.00 30.65N 31.41E 10–3 3.3,3.2 ¶612621205
HLW III 28 06 42 58.5 30.28N 31.95E 1–5 2.6,3.2
ISC Event type ke.
GII Event type ke.
HLW III 29 04 19 31.0 30.26N 31.98E 0–7 1.7
¶614980635
ISC V 08 01 32 55.5–1.1 28.41N–.04 33.56E–.03 18–4 54 0-5
GII V 08 01 32 49.7–.00 27.82N 33.31E 31–2 3.6,3.5 ¶610617963
HLW V 08 01 32 55.5 28.38N 33.57E 22–0 3.4,3.5
ISC Event type ke.
GII Event type ke.
ISC VI 22 05 07 56.2–1.5 29.05N–.04 32.26E–.03 10–13 56 0-5
GII VI 22 05 07 55.8–.00 29.28N 32.20E 1 3.0,3.0 ¶612625783
HLW VI 22 05 07 58.2 28.99N 32.25E 19–1 3.5L,3.0
ISC Event type ke.
GII Event type ke.
IDC VI 26 11 49 55.7–999 28.98N 33.88E 0
¶610789508
IDC Error ellipse: s-maj=1218.0km s-min=293.0km az=131.0.

(554) Red Sea.

ISC I 18 01 49 58.3–1.2 26.82N–.04 34.7E–.10 10 14 1-4
HLW I 18 01 50 01.4 26.80N 34.85E 29–4 2.7 ¶612618540
GII I 18 01 50 02.4–.00 27.06N 34.74E 6 2.7
ISC Event type ke.
GII Event type ke.
ISC I 24 22 42 43.3–.63 19.05N–.06 39.42E–.07 10 4.1b,3.4s 41 1-84
IDC I 24 22 42 41.9–1.9 18.95N 39.25E 0 3.8,3.8b ¶610235286
SGS I 24 22 42 42.0 19.14N 39.35E 15 3.2L,3.8b
NEIC I 24 22 42 44.0–.96 18.9N–.20 39.3E–.10 10–2 4.3b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 04 01 34 47.3–.62 23.17N–.04 37.32E–.06 10 3.6b,3.1s 53 1-116
IDC II 04 01 34 45.8–1.4 23.01N 37.07E 0 3.7,3.6b ¶610414776
SGS II 04 01 34 46.6 23.29N 37.29E 12 3.2L,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=27.0km s-min=21.5km az=148.0.
HLW II 17 14 52 51.6 21.41N 38.25E 10–14 3.7L
¶614980362
ISC III 18 22 31 15.4–1.6 27.93N–.07 34.44E–.08 15 14 1-4
GII III 18 22 31 11.5–.00 27.49N 34.76E 20 2.5 ¶612620889
HLW III 18 22 31 15.2 27.89N 34.38E 8–6 2.3L,2.3
ISC Event type ke.
GII Event type ke.
ISC IV 04 11 02 38.2–2.6 27.71N–.09 34.38E–.09 3–14 15 1-3
HLW IV 04 11 02 39.9 27.86N 34.41E 1–1 2.9L ¶612621516
GII IV 04 11 02 42.9–.00 27.74N 34.65E 1–0 2.3
ISC Event type ke.
GII Event type ke.
ISC IV 07 19 41 05.0–2.1 17.6N–.30 40.0E–.20 10 3.3b 7 18-61
IDC IV 07 19 41 03.4–2.4 17.53N 40.04E 0 3.4,3.4b ¶610652177
ISC Event type ke.
IDC Error ellipse: s-maj=57.2km s-min=27.4km az=167.0.
ISC IV 18 13 53 53.8–1.5 27.46N–.04 34.09E–.05 8–14 36 1-4
GII IV 18 13 53 45.5–.00 26.93N 33.69E 12–2 3.1,3.0 ¶612621994
HLW IV 18 13 53 53.8 27.46N 34.10E 9–1 3.6L,3.2
ISC Event type ke.
GII Event type ke.
ISC V 06 22 26 52.4–1.0 17.70N–.07 40.41E–.08 10 3.5b,3.1s 18 1-78
IDC V 06 22 26 51.1–2.8 17.53N 40.21E 0 3.6,3.5b ¶610689689
SGS V 06 22 26 53.5 17.72N 40.40E 13 3.1L,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=65.8km s-min=28.8km az=155.0.
ISC V 07 14 23 32.3–.38 17.78N–.04 40.24E–.05 10 4.5b,3.6s 223 1-99
IDC V 07 14 23 30.2–.77 17.64N 40.14E 0 4.2,4.1b ¶610617841
SGS V 07 14 23 31.6 17.84N 40.37E 10 3.3L,4.1b
MOS V 07 14 23 31.5–1.6 17.79N 40.02E 12 4.7b,4.1b
NEIC V 07 14 23 33.2–1.4 17.80N–.09 40.2E–.10 12–4 4.6b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC V 07 18 01 54.8–2.6 17.12N 40.18E 0 3.5,3.5b
¶610689745
IDC Error ellipse: s-maj=66.1km s-min=29.7km az=159.0.
IDC V 07 19 32 48.6–2.4 17.76N 40.10E 0 3.6,3.6b
¶610689751
IDC Error ellipse: s-maj=62.3km s-min=25.3km az=163.0.
IDC V 08 04 51 05.1–2.5 17.49N 40.18E 0 3.6,3.6b
¶610689777
IDC Error ellipse: s-maj=60.4km s-min=29.4km az=162.0.
ISC V 08 05 40 48.3–1.1 18.09N–.08 39.9E–.10 10 4.1b,3.5s 19 7-86
NEIC V 08 05 40 47.0–1.6 18.04N–.09 39.80E–.09 10–2 4.1b,3.5s ¶610689779
IDC V 08 05 40 49.0–1.2 17.98N 40.04E 0 3.9,3.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=17.2km s-min=13.7km az=218.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=26.4km s-min=24.6km az=170.0.
ISC V 19 11 01 24.3–1.6 27.94N–.05 34.48E–.05 1–12 37 0-4
HLW V 19 11 01 24.4 27.94N 34.53E 5–31 3.2L ¶612623339
GII V 19 11 01 26.3–.00 27.92N 34.33E 8 3.6,3.5
ISC Event type ke.
GII Event type ke.
ISC V 19 14 16 22.1–1.3 27.92N–.03 34.54E–.03 7–11 78 0-5
GII V 19 14 16 12.3–.00 27.27N 34.52E 1–0 4.6b,4.5 ¶610645988
HLW V 19 14 16 21.7 27.94N 34.56E 4–2 4.1L,4.5
SGS V 19 14 16 23.0 27.98N 34.50E 11 3.4L,4.5
ISC Event type ke.
GII Event type ke.

(555) Western Arabian Peninsula.

ISC III 08 01 26 46.6–.90 25.77N–.03 37.33E–.05 10 36 0-6
SGS III 08 01 26 46.5 25.76N 37.37E 10 3.2L ¶612620457
GII III 08 01 26 52.6–.00 24.60N 35.00E 20–2 4.0b,3.9
ISC Event type ke.
GII Event type ke.
ISC III 10 05 37 30.8–.62 25.73N–.03 37.38E–.05 10 3.4b 58 0-89
GII III 10 05 37 14.9–.00 24.09N 34.02E 1–0 4.5,4.5b ¶610545924
SGS III 10 05 37 29.4 25.75N 37.35E 2 3.7L,4.5b
IDC III 10 05 37 30.8–1.5 25.86N 37.17E 0 3.5b,3.4
ISC Event type ke.
GII Event type ke.
IDC Error ellipse: s-maj=27.7km s-min=19.0km az=86.0.
ISC III 10 05 45 26.8–.86 25.77N–.02 37.32E–.05 10 37 0-6
SGS III 10 05 45 27.2 25.74N 37.37E 11 3.3L ¶612620530
GII III 10 05 45 27.1–.00 24.32N 35.01E 20–4 3.9,3.6
ISC Event type ke.
GII Event type ke.
ISC IV 03 20 18 55.6–1.1 25.76N–.03 37.29E–.04 14–10 44 0-7
GII IV 03 20 18 49.6–.00 26.65N 30.13E 2–2 4.4b,4.3 ¶614299557
SGS IV 03 20 18 56.1 25.76N 37.37E 6 3.6L,4.3
HLW IV 03 20 18 57.6 25.76N 37.16E 7–7 3.0,3.0L
ISC Event type ke.
GII Event type ke.
IDC IV 04 02 01 25.6–999 19.74N 44.02E 0
¶610651886
IDC Error ellipse: s-maj=558.8km s-min=146.7km az=179.0.
IDC IV 06 22 54 50.6–966 13.27N 43.23E 0
¶610652109
IDC Error ellipse: s-maj=367.8km s-min=40.6km az=1.0.
ISC V 02 14 23 55.7–1.0 12.1N–.30 44.6E–.20 4 3.6b 7 2-94
IDC V 02 14 23 55.5–1.2 12.16N 44.64E 0 3.6,3.6b ¶610689398
ISC Event type ke.
IDC Error ellipse: s-maj=57.8km s-min=13.5km az=159.0.
ISC V 15 13 19 24.6–.93 25.57N–.05 37.22E–.06 10 37 0-7
SGS V 15 13 19 23.8 25.76N 37.39E 9 3.3L ¶614299746
GII V 15 13 19 33.6–.00 25.00N 34.90E 1–2 4.1b,4.0
ISC Event type ke.
GII Event type ke.
ISC VI 19 13 42 58.8–.56 22.17N–.05 38.04E–.05 10 4.3b,3.2s 112 1-89
GII VI 19 13 42 46.3–.00 21.90N 38.82E 10 4.3b,3.2s ¶610681813
IDC VI 19 13 42 58.0–1.1 22.28N 37.87E 0 4.0,4.0b
NEIC VI 19 13 42 59.0–2.2 22.1N–.10 37.9E–.10 10–2 4.4b,4.0b
SGS VI 19 13 42 59.8 22.21N 38.13E 9 3.1L,4.0b
ISC Event type ke.

GII Event type ke.
IDC Error ellipse: s-maj=22.7km s-min=15.4km az=5.0.
NEIC Event type se. Error ellipse: s-maj=20.8km s-min=14.8km az=209.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(558) Ethiopia.
ISC I 11 19 57 18.7–1.1 11.20N–.10 42.80E–.09 10 3.6b 13 0-64
AAE I 11 19 57 12.4–7.2 12.29N 43.65E 0–61 3.6b ¶610237188
IDC I 11 19 57 25.4–14 11.84N 43.86E 0 3.6,3.6b
ISC Event type ke.
AAE Error ellipse: s-maj=72.8km s-min=101.8km az=-1.0.
IDC Error ellipse: s-maj=300.5km s-min=62.2km az=23.0.
AAE I 21 12 31 48.3–9.7 9.80N 41.66E 0–81
¶615345380
AAE Error ellipse: s-maj=65.5km s-min=55.2km az=-1.0.
ISC I 27 16 29 21.9–.59 7.72N–.03 38.61E–.04 6–3 5.1b,4.6s 635 1-167
BJI I 27 16 29 19.3–.00 7.55N 38.61E 10 5.5b,5.1s ¶615345447
IDC I 27 16 29 20.7–.46 7.61N 38.75E 0 4.6,4.6b
MOS I 27 16 29 20.7–.91 7.61N 38.78E 10 5.3b,4.4s
NEIC I 27 16 29 22.6–2.0 7.67N–.07 38.67E–.09 10–1 5.3,5.2b
GCMT I 27 16 29 23.6–.10 7.61N–.01 38.80E–.01 12 5.3W,5.2b
BGR I 27 16 29 24.1 8.12N 39.38E 10 5.2b,5.2b
AAE I 27 16 29 25.2–3.1 7.74N 38.93E 0–12 4.8L,5.2b
NEIC I 27 16 29 27 7.71N 38.75E 14 4.8L,5.2b
ISC Event type se.
IDC Error ellipse: s-maj=14.0km s-min=9.6km az=122.0.
MOS Error ellipse: s-maj=7.5km s-min=3.6km az=83.6.
NEIC Event type se. Error ellipse: s-maj=15.9km s-min=10.9km az=295.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s99,c148; s148,c267;Duration: 1s1
Moment tensor: Scale 10^{17}Nm; M_{rr}-0.95±.01 $M_{\theta\theta}$-0.09±.01; $M_{\phi\phi}$1.04±.01; $M_{r\theta}$0.06±.04; $M_{\theta\phi}$0.14±.01; $M_{\phi r}$-0.01±.03; Best double couple: NP1:ϕ_s3.00000°,δ45.00000°,λ-96.00000°. NP2:ϕ_s191.00000°,δ45.00000°,λ-84.00000°. Principal axes: T 1.0560,Plg0.0000° ,Azm97.0000°; N -0.1050,Plg4.0000°,Azm7.0000°; P -0.9550,Plg86.0000°,Azm188.0000° $M_0$1.00600×10^{17}
BGR Event type ke.
AAE Error ellipse: s-maj=6.2km s-min=8.3km az=-1.0.
NEIC Event type se. Moment Tensor Solution.Duration: 10s0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.89 $M_{\theta\theta}$-0.04 $M_{\phi\phi}$0.93 $M_{r\theta}$0.13 $M_{\theta\phi}$0.23 $M_{\phi r}$-0.78 NP1:ϕ_s208.00000°,δ28.00000° ,λ-63.00000°. NP2:ϕ_s358.00000°,δ65.00000°,λ-103.00000°. Principal axes: T 1.2452,Plg19.0000°,Azm98.0000°; N -0.0262,Plg12.0000°,Azm4.0000° ; P -1.2190,Plg67.0000°,Azm244.0000° $M_0$1.23000×10^{17}
ISC I 31 05 04 33.9–1.9 7.59N–.06 38.9E–.10 0–11 4.0b,3.4s 22 1-69
AAE I 31 05 04 36.9–5.4 7.56N 38.74E 0–22 4.0b,3.4s ¶615345489
IDC I 31 05 04 39.6–6.1 8.40N 38.82E 0 3.8,3.8b
ISC Event type ke.
AAE Error ellipse: s-maj=12.3km s-min=15.8km az=-1.0.
IDC Error ellipse: s-maj=141.3km s-min=35.0km az=8.0.
AAE II 08 22 06 26.1–5.7 10.36N 40.88E 31–911
¶615345550
AAE Error ellipse: s-maj=24.4km s-min=762.9km az=-1.0.
ISC II 10 17 32 58.2–2.6 10.23N–.06 40.41E–.09 7–19 3.8b 14 1-66
AAE II 10 17 33 00.6–5.7 10.30N 40.53E 0–20 3.8b ¶610415253
IDC II 10 17 33 04.3–11 10.81N 41.17E 0 3.9,3.9b
ISC Event type ke.
AAE Error ellipse: s-maj=13.9km s-min=14.9km az=-1.0.
IDC Error ellipse: s-maj=267.7km s-min=39.4km az=1.0.
ISC II 22 05 58 47.1–1.0 11.81N–.07 43.02E–.06 10 4.0b,3.5s 23 0-64
IDC II 22 05 58 48.9–27 11.96N 43.50E 0 3.9,3.9b ¶615345716
AAE II 22 05 58 48.5–44 12.24N 43.33E 0–184 3.9,3.9b
ISC Event type ke.
IDC Error ellipse: s-maj=617.9km s-min=241.3km az=66.0.
AAE Error ellipse: s-maj=171.0km s-min=195.5km az=-1.0.
AAE III 20 13 02 27.0–1.1 8.99N 38.80E 37–11 2.4L
¶615345947
AAE Error ellipse: s-maj=10.9km s-min=24.1km az=-1.0.
ISC IV 14 05 53 18.9–.40 11.93N–.05 43.36E–.06 10 4.6b,4.5s 210 0-175
AAE IV 14 05 53 07.8–3.1 14.62N 42.24E 11 6.9L,6.1W ¶610528000
BJI IV 14 05 53 14.3–.00 11.90N 42.87E 5 5.1b,4.9s
IDC IV 14 05 53 16.6–.66 11.77N 43.38E 0 4.4s,4.4
GCMT IV 14 05 53 16.8–.20 11.97N–.01 43.44E–.03 12 5.0W,4.4
NEIC IV 14 05 53 17.8–1.4 11.8N–.10 43.38E–.07 2–5 4.7b,4.4
DSN IV 14 05 53 19.6–.31 11.98N 43.16E 40 4.9b,4.4
SGS IV 14 05 53 20.7 11.81N 42.66E 39 5.0L,4.4
ISC Event type se.
AAE Error ellipse: s-maj=169.4km s-min=193.3km az=-1.0.
IDC Error ellipse: s-maj=17.0km s-min=6.7km az=148.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s34,c39; s104,c166;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-3.57±.15 $M_{\theta\theta}$4.94±.09; $M_{\phi\phi}$-1.36±.14; $M_{r\theta}$0.90±.32; $M_{\theta\phi}$-0.52±.12; $M_{\phi r}$1.19±.59; Best double couple: NP1:ϕ_s253.00000°,δ55.00000°,λ-120.00000°. NP2:ϕ_s118.00000°,δ45.00000°,λ-55.00000°. Principal axes: T 5.0590,Plg5.0000° ,Azm4.0000°; N -0.8430,Plg24.0000°,Azm271.0000°; P -4.2050,Plg65.0000°,Azm106.0000° $M_0$4.63200×10^{16}
NEIC Event type se. Error ellipse: s-maj=17.7km s-min=6.8km az=150.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DSN Error ellipse: s-maj=12.7km s-min=3.4km az=119.0.
ISC IV 14 10 44 55.2–.34 11.90N–.04 43.18E–.05 10 4.6b,4.4s 253 0-176
AAE IV 14 10 44 50.7–5.7 13.67N 43.59E 0–165 4.9L,4.4s ¶611832303
IDC IV 14 10 44 53.7–.63 11.92N 43.30E 0 4.3s,4.2
GCMT IV 14 10 44 55.1–.20 11.95N–.01 43.35E–.02 12 5.0W,4.2
NEIC IV 14 10 44 55.1–1.4 11.82N–.07 43.26E–.10 10–1 4.7b,4.2
DSN IV 14 10 44 56.2–.49 11.30N 44.29E 10 4.8b,4.2
SGS IV 14 10 45 43.1 15.28N 42.67E 27 3.9L,4.2
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s128.02277°,δ53.83228°,λ7.18694°. NP2: ϕ_s33.76685°,δ84.20335°,λ143.61671°. Principal axes: T Plg29.2562°,Azm344.4971° ; N Plg53.2209°,Azm205.9617°; P Plg20.2357°,Azm86.4144°
AAE Error ellipse: s-maj=99.1km s-min=130.0km az=-1.0.
IDC Error ellipse: s-maj=17.3km s-min=6.9km az=133.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s35,c41; s108,c172;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-1.61±.11 $M_{\theta\theta}$4.09±.07; $M_{\phi\phi}$-2.49±.10; $M_{r\theta}$2.24±.24; $M_{\theta\phi}$-0.07±.09; $M_{\phi r}$2.22±.35; Best double couple: NP1:ϕ_s234.00000°,δ77.00000°,λ-132.00000°. NP2:ϕ_s130.00000°,δ44.00000°,λ-19.00000°. Principal axes: T 4.9300,Plg21.0000° ,Azm354.0000°; N -0.3580,Plg41.0000°,Azm245.0000°; P -4.5820,Plg42.0000° ,Azm104.0000° $M_0$4.75600×10^{16}
NEIC Event type se. Error ellipse: s-maj=18.8km s-min=6.8km az=126.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DSN Error ellipse: s-maj=57.7km s-min=4.7km az=123.0.
ISC VI 17 21 47 11.6–.84 11.9N–.10 43.84E–.08 4 4.0b,3.3s 50 1-63
IDC VI 17 21 47 11.6–1.1 11.99N 43.82E 0 3.8,3.8b ¶610792084
NEIC VI 17 21 47 12.5–1.2 11.82N–.05 43.90E–.07 10–2 4.3b,3.8b
AAE VI 17 21 47 13.9–.64 12.79N 44.62E 15–730 4.1L,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=26.9km s-min=9.4km az=147.0.
NEIC Event type se. Error ellipse: s-maj=13.3km s-min=6.3km az=116.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AAE Error ellipse: s-maj=418.9km s-min=447.2km az=-1.0.
AAE VI 19 05 29 23.6–.90 13.67N 41.40E 0–427 3.9L
¶615350365
AAE Error ellipse: s-maj=417.6km s-min=22.5km az=-1.0.
AAE VI 20 21 01 45.7–1.0 13.71N 41.47E 0–586 4.5L
¶615350382
AAE Error ellipse: s-maj=571.2km s-min=38.2km az=-1.0.

(567) Zaire.
ISC I 18 23 35 03.9–.66 6.40S–.06 26.8E–.10 10 4.0b 25 5-72
IDC I 18 23 35 01.9–1.4 6.41S 26.82E 0 3.9,3.8b ¶610237691
NEIC I 18 23 35 05.1–.69 6.40S–.09 26.9E–.10 12–6 4.1b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 10 08 17 33.7–.67 0.08S–.09 29.9E–.10 16 4.3b,3.4s 38 1-98
IDC IV 10 08 17 31.3–1.2 0.06S 29.81E 0 4.1,4.1b ¶610598340
NEIC IV 10 08 17 33.7–1.4 0.2S–.10 29.85E–.07 15–5 4.5b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 11 11 58 35.9–4.9 1.2S–.80 26.8E–.20 10 3.8b,3.3s 6 4-81
IDC V 11 11 58 34.1–5.0 1.20S 26.80E 0 3.8,3.8b ¶610690047
ISC Event type ke.
IDC Error ellipse: s-maj=119.1km s-min=35.0km az=177.0.

(568) Uganda.
ISC II 18 03 37 15.3–.57 1.38N–.05 30.89E–.09 10 4.2b,3.4s 29 2-88
NEIC II 18 03 37 14.7–2.2 1.46N–.02 30.7E–.10 10–1 4.2b,3.4s ¶610415742
IDC II 18 03 37 15.1–.80 1.43N 30.87E 0 3.9,3.9b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.0km s-min=4.4km az=271.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=26.1km s-min=12.0km az=93.0.
ISC II 25 17 19 33.3–2.7 1.39N–.05 31.10E–.06 5–16 4.5b,3.7s 126 2-127
IDC II 25 17 19 32.6–.53 1.46N 30.87E 0 4.2,4.2b ¶610241207
NEIC II 25 17 19 35.2–1.4 1.41N–.06 31.12E–.05 10–1 4.7b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(569) Lake Victoria region.
ISC IV 29 22 28 29.4–.57 1.27S–.05 31.61E–.04 10 4.0b,3.1s 42 1-65
IDC IV 29 22 28 28.6–1.2 1.13S 31.51E 0 3.7,3.7b ¶610650358
NEIC IV 29 22 28 30.4–1.3 1.16S–.05 31.60E–.06 10–5 4.3b,3.7b
LSZ IV 29 22 28 32.0–.30 1.67S 34.10E 10 4.7L,4.6
AAE IV 29 22 29 06.7–7.1 0.62S 30.71E 2–162 4.6L,4.6
ISC Event type se.
IDC Error ellipse: s-maj=27.3km s-min=21.2km az=9.0.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=5.9km az=56.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
LSZ Error ellipse: s-maj=13.5km s-min=35.2km az=-1.0.
AAE Error ellipse: s-maj=56.2km s-min=97.9km az=-1.0.
ISC V 25 09 55 34.4–.49 3.04S–.05 32.95E–.05 10 4.3b,3.6s 66 3-100
PRE V 25 09 55 31.0–3.1 3.46S 32.63E 10 5.1L,5.0b ¶610654528
IDC V 25 09 55 33.2–.71 3.03S 32.93E 0 4.1,4.1b
NEIC V 25 09 55 35.5–1.8 3.04S–.10 32.89E–.08 10–1 4.4b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(570) Kenya.
ISC II 05 09 54 41.3–.58 4.74S–.08 39.33E–.08 10 4.2b,3.5s 47 3-100
IDC II 05 09 54 40.1–.76 4.70S 39.43E 0 4.1L,4.0 ¶610414872
NEIC II 05 09 54 40.8–1.2 5.0S–.10 39.3E–.20 15–5 4.5b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(572) Lake Tanganyika region.
ISC II 24 00 32 16.4–.19 8.48S–.02 30.02E–.03 30–1 5.9b,5.8s 2218 2-160
IDC II 24 00 32 11.6–.34 8.46S 30.02E 0 5.7s,5.5L ¶611831881
LSZ II 24 00 32 14.7–.30 8.17S 31.82E 10 5.7s,5.5L
MOS II 24 00 32 15.5–.78 8.33S 30.04E 34 6.0b,5.6s
BJI II 24 00 32 15.8–.00 8.11S 29.88E 34 6.0b,5.8s
NEIC II 24 00 32 17.8–2.4 8.44S–.06 30.03E–.07 30–1 6.0b,5.9
GCMT II 24 00 32 18.5–.10 8.31S 29.86E 34–0 6.0W,5.9
NEIC II 24 00 32 22.5 8.58S 29.99E 40 6.0W,5.9
BGR II 24 00 32 27.8 6.42S 30.66E 33 6.1,5.9b
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s226.77986°,δ45.19652°,λ-97.52537°. NP2: ϕ_s57.39763°,δ45.29822°,λ-82.48794°. Principal axes: T Plg0.0511°,Azm142.0934° ; N Plg5.3318°,Azm232.0982°; P Plg84.6679°,Azm51.5462°
IDC Error ellipse: s-maj=10.9km s-min=9.0km az=87.0.
LSZ Error ellipse: s-maj=4.6km s-min=6.3km az=-1.0.
MOS Error ellipse: s-maj=6.9km s-min=3.3km az=85.1.
NEIC Event type se. Error ellipse: s-maj=12.9km s-min=9.9km az=291.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-5.80 $M_{\theta\theta}$7.23 $M_{\phi\phi}$-1.43 $M_{r\theta}$2.27 $M_{\theta\phi}$2.59 $M_{\phi r}$3.29 NP1:ϕ_s99.21000°,δ38.47000°,λ-50.07000°. NP2:ϕ_s232.31000°,δ61.51000° ,λ-117.02000°. Principal axes: T 8.6284,Plg12.0000°,Azm342.0000°; N -1.0156,Plg24.0000° ,Azm246.0000°; P -7.6128,Plg63.0000°,Azm97.0000° $M_0$8.17000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s161,c350; s153,c497; Duration: 2s3 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.87±.01 $M_{\theta\theta}$0.88±.01; $M_{\phi\phi}$0.00±.01; $M_{r\theta}$0.21±.01; $M_{\theta\phi}$0.30±.00; $M_{\phi r}$0.46±.01; Best double couple: NP1:ϕ_s233.00000°,δ59.00000° ,λ-114.00000°. NP2:ϕ_s93.00000°,δ38.00000°,λ-57.00000°. Principal axes: T 1.0310,Plg11.0000°,Azm339.0000°; N 0.0380,Plg20.0000°,Azm246.0000° ; P -1.0680,Plg67.0000°,Azm96.0000° $M_0$1.05000×10^{18}
NEIC Event type se. Moment Tensor Solution.Duration: 3s7 Moment tensor: Scale 10^{17}Nm; M_{rr}-8.41 $M_{\theta\theta}$8.12 $M_{\phi\phi}$0.30 $M_{r\theta}$0.45 $M_{\theta\phi}$2.35 $M_{\phi r}$1.54 NP1:ϕ_s245.36000°,δ48.56000° ,λ-102.36000°. NP2:ϕ_s83.68000°,δ42.93000°,λ-76.37000°. Principal axes: T 8.8105,Plg3.0000°,Azm344.0000°; N -0.1346,Plg9.0000°,Azm254.0000° ; P -8.6760,Plg80.0000°,Azm91.0000° $M_0$8.74000×10^{17}
ISC Event type ke. Hypocentre not reviewed by the ISC.
ISC II 24 00 57 37.9–.61 8.48S–.06 30.08E–.09 10 4.2b 25 8-77
IDC II 24 00 57 37.1–.98 8.51S 29.93E 0 4.2,4.0b ¶610384910
NEIC II 24 00 57 41.7–2.6 8.47S–.09 30.0E–.10 35–2 4.2b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 24 01 19 12.7–.59 8.61S–.06 29.96E–.09 10 4.2b 26 8-78
IDC II 24 01 19 13.0–.83 8.49S 29.96E 0 4.5s,4.2 ¶610384912
NEIC II 24 01 19 15.7–2.3 8.49S–.07 30.0E–.10 34–7 4.2b,4.2
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 27 12 02 16.3–.41 8.54S–.05 29.94E–.07 10 4.4b,3.7s 62 7-132
IDC II 27 12 02 15.9–.71 8.44S 29.94E 0 4.1,4.1b ¶610385124
NEIC II 27 12 02 20.4–2.0 8.53S–.07 29.9E–.10 34–5 4.6b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC III 05 11 23 29.7–2.1 8.45S 30.17E 0 3.6b,3.3
¶610545590
IDC Error ellipse: s-maj=42.8km s-min=27.7km az=127.0.
ISC III 11 03 36 07.7–.86 8.60S–.07 30.2E–.20 10 3.7b 13 10-72
IDC III 11 03 36 07.1–1.2 8.47S 30.04E 0 3.6b,3.4 ¶610545996
ISC Event type ke.
IDC Error ellipse: s-maj=41.9km s-min=16.0km az=103.0.
ISC III 29 16 44 11.8–.66 8.54S–.08 30.1E–.10 10 4.1b 22 7-72
IDC III 29 16 44 11.2–1.4 8.50S 30.11E 0 3.9,3.8b ¶610543943
NEIC III 29 16 44 12.2–2.0 8.50S–.09 30.1E–.10 10–1 4.1b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC IV 05 06 23 59.5–.52 8.09S–.04 30.99E–.07 10 4.4b 56 2-120
IDC IV 05 06 23 56.9–.93 8.14S 31.28E 0 4.3,4.2b ¶614428765
PRE IV 05 06 23 58.0–2.7 8.20S 30.72E 10 4.5L,4.4b
NEIC IV 05 06 24 01.4–1.9 8.03S–.09 30.8E–.10 10–1 4.7b,4.4b
LSZ IV 05 06 24 05.2–.30 8.07S 31.26E 10 3.9,4.4b
ISC Event type se.
IDC Error ellipse: s-maj=31.5km s-min=15.1km az=105.0.
PRE Error ellipse: s-maj=6.9km s-min=16.5km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=18.8km s-min=12.3km az=302.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
LSZ Error ellipse: s-maj=4.5km s-min=6.5km az=-1.0.
ISC IV 29 10 53 21.7–.51 6.11S–.03 29.86E–.05 12–2 5.2b,4.6s 596 4-162
MOS IV 29 10 53 19.6–1.1 6.07S 29.91E 10 5.4b,4.6s ¶611833683
BJI IV 29 10 53 20.8–.00 5.89S 29.83E 7 5.4b,5.1s
LSZ IV 29 10 53 20.2–.30 5.97S 29.73E 10 4.1L,4.0
IDC IV 29 10 53 20.1–.41 6.11S 29.77E 0 5.3L,4.8
NEIC IV 29 10 53 22.0–1.5 6.13S–.07 29.92E–.05 10–1 5.3,5.3b
NEIC IV 29 10 53 22.2 6.34S 29.39E 26 5.3,5.3b
NEIC IV 29 10 53 22.2 6.14S 29.90E 26 5.3,5.3b
GCMT IV 29 10 53 24.0–.20 5.93S–.01 29.70E–.01 19–0 5.2W,5.3b
BGR IV 29 10 53 33.0 4.44S 30.50E 33 5.1b,5.3b
ISC Event type ke.
MOS Error ellipse: s-maj=8.6km s-min=3.7km az=83.1.
LSZ Error ellipse: s-maj=7.3km s-min=14.4km az=-1.0.
IDC Error ellipse: s-maj=14.8km s-min=10.3km az=89.0.
NEIC Event type se. Error ellipse: s-maj=12.2km s-min=7.2km az=335.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution.Duration: 1s9 Moment tensor: Scale 10^{16}Nm; M_{rr}-6.72 $M_{\theta\theta}$1.10 $M_{\phi\phi}$5.63 $M_{r\theta}$1.72 $M_{\theta\phi}$0.93 $M_{\phi r}$7.04 NP1:ϕ_s193.07000°,δ69.58000°,λ-88.92000°. NP2:ϕ_s9.98000°,δ20.45000°,λ-92.89000°. Principal axes: T 9.1248,Plg25.0000°,Azm282.0000°; N 0.9173,Plg1.0000°,Azm13.0000°; P -10.0421,Plg65.0000°,Azm105.0000° $M_0$9.58000×10^{16}
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s83,c119; s137,c217;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.74±.02 $M_{\theta\theta}$0.10±.01; $M_{\phi\phi}$0.64±.01; $M_{r\theta}$0.27±.03; $M_{\theta\phi}$0.12±.01; $M_{\phi r}$0.33±.03; Best double couple: NP1:ϕ_s204.00000°,δ60.00000°,λ-78.00000°. NP2:ϕ_s2.00000°,δ32.00000°,λ-109.00000°. Principal axes: T 0.7650,Plg14.0000°,Azm286.0000°; N 0.1060,Plg10.0000°,Azm18.0000°; P -0.8710,Plg72.0000°,Azm142.0000° $M_0$0.81800×10^{17}
BGR Event type ke.
ISC V 17 02 36 16.4–.86 8.43S–.05 30.30E–.08 10 18 2-83
IDC V 17 02 36 16.0–2.0 8.36S 30.13E 0 3.6b,3.4 ¶610690461
PRE V 17 02 36 15.6–5.2 8.58S 30.18E 10 4.8b,3.4
LSZ V 17 02 36 19.7–.30 10.06S 29.08E 10 3.6,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=49.3km s-min=19.6km az=95.0.
PRE Error ellipse: s-maj=15.6km s-min=41.0km az=-1.0.
LSZ Error ellipse: s-maj=6.5km s-min=4.5km az=-1.0.
ISC VI 18 13 54 24.6–.88 4.24S–.10 30.40E–.09 10 4.0b 13 4-61
NEIC VI 18 13 54 26.0–1.1 4.24S–.10 30.5E–.10 10–2 4.4b ¶610792124
IDC VI 18 13 54 28.8–4.7 2.59S 30.22E 0 4.0L,3.7s
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.9km s-min=14.9km az=240.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=102.4km s-min=29.3km az=2.0.

(573) Tanzania.

ISC III 19 10 35 22.9–.35 8.25S–.05 38.01E–.06 10 4.6b,3.7s 129 6-143
IDC III 19 10 35 21.7–.57 8.26S 38.26E 0 5.2L,4.3 ¶610346017
NEIC III 19 10 35 24.7–2.9 8.20S–.07 38.17E–.10 15–4 4.9b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AAE VI 05 17 31 00.0–.64 3.67S 36.98E 0–62 4.1L,4.0W ¶615347469
AAE Error ellipse: s-maj=52.3km s-min=37.8km az=-1.0.
ISC VI 12 12 42 03.6–.75 3.15S–.08 35.91E–.08 12 4.2b 15 2-70
IDC VI 12 12 42 02.7–.83 3.07S 35.96E 0 4.0,4.0b ¶610791726
ISC Event type ke.
IDC Error ellipse: s-maj=20.6km s-min=16.8km az=105.0.

(574) Northwest of Madagascar.

ISC II 15 22 58 06.6–.68 12.27S–.08 41.38E–.08 10 4.0b,3.3s 26 7-148
IDC II 15 22 58 05.5–1.9 12.34S 41.49E 0 3.9,3.9b ¶610415592
NEIC II 15 22 58 06.6–2.4 12.20S–.06 41.4E–.10 10–1 4.1b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 29 20 37 03.0–.77 11.00S–.05 41.11E–.05 13–4 5.0b,4.0s 683 9-151
MOS III 29 20 37 01.8–.82 10.80S 41.12E 10 5.1b,4.0s ¶610448713
IDC III 29 20 37 01.2–.46 10.95S 41.17E 0 5.0L,4.7
BJI III 29 20 37 02.1–.00 10.91S 41.24E 8 5.1b,4.8s
NEIC III 29 20 37 03.8–1.7 10.95S–.07 41.05E–.09 10–1 5.0b,4.8s
GCMT III 29 20 37 03.8–.20 10.83S–.02 41.14E–.02 19–0 5.0W,4.8s
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s48,c61; s89,c140;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.99±.20 $M_{\theta\theta}$1.87±.12; $M_{\phi\phi}$2.12±.15; $M_{r\theta}$0.06±.25; $M_{\theta\phi}$-2.13±.08; $M_{\phi r}$0.95±.32; Best double couple: NP1:ϕ_s146.00000°,δ50.00000°,λ-77.00000°. NP2:ϕ_s307.00000°,δ41.00000°,λ-105.00000°. Principal axes: T 4.1820,Plg5.0000°,Azm227.0000°; N -0.0200,Plg10.0000°,Azm318.0000°; P -4.1610,Plg79.0000°,Azm112.0000° $M_0$4.17200×10^{16}
ISC IV 04 04 23 47.6–.61 12.69S–.08 46.5E–.20 10 4.1b 18 6-151
IDC IV 04 04 23 46.4–.69 12.57S 46.51E 0 4.6L,4.1 ¶610651888
ISC Event type ke.
IDC Error ellipse: s-maj=23.7km s-min=20.6km az=86.0.

(577) Malawi.

ISC I 14 03 22 53.7–2.0 14.0S–.10 34.65E–.08 28 32 2-22
PRE I 14 03 23 02.5–3.9 14.91S 34.21E 10 4.3b ¶614428440
ISC Event type ke.
PRE Error ellipse: s-maj=49.9km s-min=43.6km az=-1.0.
ISC II 08 22 34 58.7–1.1 10.36S–.07 34.6E–.30 10 5 5-71
IDC II 08 22 34 58.3–1.8 10.22S 34.63E 0 3.7,3.6b ¶610415145
ISC Event type ke.
IDC Error ellipse: s-maj=53.4km s-min=24.4km az=113.0.

(579) Botswana.

ISC IV 03 17 40 16.9–.22 22.67S–.02 25.22E–.03 20–2 6.7b,6.6s 3040 1-159
IDC IV 03 17 40 13.4–.27 22.61S 25.31E 0 6.5s,5.9 ¶610478084
PRE IV 03 17 40 13.4–3.3 22.57S 25.13E 10 6.3L,5.9
MOS IV 03 17 40 14.7–.91 22.65S 25.15E 19 6.7b,6.6s
BJI IV 03 17 40 15.2–.00 22.60S 25.12E 10 6.8s,6.7b
NEIC IV 03 17 40 16 22.62S 25.14E 13 6.8s,6.7b
BGR IV 03 17 40 17.5 22.32S 24.25E 26–0 6.9,6.7s
BUL IV 03 17 40 17.2–2.0 22.64S 25.29E 10 5.2,6.7s
NEIC IV 03 17 40 18 22.66S 25.15E 24 5.2,6.7s
NEIC IV 03 17 40 18.6–2.2 22.68S–.07 25.16E–.07 29–1 6.8b,6.6
NEIC IV 03 17 40 18 22.66S 25.15E 24 6.8b,6.6
GCMT IV 03 17 40 23.6–.10 22.54S 25.21E 30–0 6.5W,6.6
LSZ IV 03 17 40 27.6–2.7 21.11S 24.04E 102 6.2,6.6
ISC Event type ke. Moment Tensor Solution. NP1:ϕ_s138.47089°,δ67.47570°,λ-103.57662°. NP2:ϕ_s350.69855°,δ26.11588°,λ-60.48811°. Principal axes: T Plg21.3485°,Azm238.7369°; N Plg12.5234°,Azm143.7563°; P Plg64.9299°,Azm25.4081° Moment Tensor Solution. NP1:ϕ_s287.52719°,δ47.75336°,λ-80.16213°. NP2:ϕ_s93.06425°,δ43.16621°,λ-100.65426°. Principal axes: T Plg2.3119°,Azm10.5823°; N Plg7.2663°,Azm100.8772°; P Plg82.3710°,Azm263.0397°
IDC Error ellipse: s-maj=9.9km s-min=7.2km az=117.0.
PRE Error ellipse: s-maj=5.0km s-min=4.1km az=-1.0. Moment Tensor Solution. NP1:ϕ_s330.42000°,δ45.71000°,λ-61.46000°.
MOS Error ellipse: s-maj=7.6km s-min=3.0km az=88.4.
NEIC Event type se.
BGR Event type ke.
BUL Error ellipse: s-maj=5.8km s-min=6.9km az=-1.0.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=10.0km az=45.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{18}Nm; M_{rr}-7.52 $M_{\theta\theta}$1.77 $M_{\phi\phi}$5.75 $M_{r\theta}$-2.26 $M_{\theta\phi}$-4.17 $M_{\phi r}$1.52 NP1:ϕ_s336.70000°,δ36.96000°,λ-76.08000°. NP2:ϕ_s139.46000°,δ54.29000°,λ-100.26000°. Principal axes: T 8.7614,Plg9.0000°,Azm237.0000°; N -0.6984,Plg8.0000°,Azm145.0000°; P -8.0630,Plg78.0000°,Azm13.0000° $M_0$8.43000×10^{18}
NEIC Event type se. Moment Tensor Solution.Duration: 8s9 Moment tensor: Scale 10^{18}Nm; M_{rr}-5.54 $M_{\theta\theta}$1.68 $M_{\phi\phi}$3.86 $M_{r\theta}$-2.22 $M_{\theta\phi}$-3.00 $M_{\phi r}$-0.46 NP1:ϕ_s126.42000°,δ52.61000°,λ-114.38000°. NP2:ϕ_s343.16000°,δ43.64000°,λ-61.62000°. Principal axes: T 6.0303,Plg5.0000°,Azm233.0000°; N 0.3048,Plg19.0000°,Azm142.0000°; P -6.3352,Plg70.0000°,Azm337.0000° $M_0$6.18000×10^{18}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s167,c412; s171,c738; Duration: 4s3 Moment tensor: Scale 10^{18}Nm; M_{rr}-6.29±.03 $M_{\theta\theta}$2.60±.03; $M_{\phi\phi}$3.70±.03; $M_{r\theta}$-1.82±.05; $M_{\theta\phi}$-4.01±.02; $M_{\phi r}$0.00±.05; Best double couple: NP1:ϕ_s126.00000°,δ51.00000°,λ-107.00000°. NP2:ϕ_s332.00000°,δ41.00000°,λ-70.00000°. Principal axes: T 7.3050,Plg5.0000°,Azm228.0000°; N -0.5790,Plg13.0000°,Azm137.0000°; P -6.7160,Plg76.0000°,Azm339.0000° $M_0$7.01000×10^{18}
LSZ Error ellipse: s-maj=188.6km s-min=303.6km az=-1.0.
ISC IV 03 17 50 16.2–.48 22.23S–.05 24.96E–.05 10 4.9b 42 1-145
NEIC IV 03 17 50 17.0–1.2 22.14S–.09 25.15E–.05 10–1 5.0b ¶610651856
IDC IV 03 17 50 20.6–1.2 22.52S 24.93E 0 4.7,4.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.8km s-min=8.5km az=1.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=42.6km s-min=30.4km az=54.0.
ISC IV 03 17 57 52.7–.87 22.66S–.04 25.14E–.04 10 32 1-10
PRE IV 03 17 57 52.3–.73 22.60S 25.12E 10 3.8L ¶616058943
ISC Event type ke.
PRE Error ellipse: s-maj=4.4km s-min=3.5km az=-1.0.
ISC IV 03 18 11 26.4–.46 22.57S–.03 24.98E–.04 19–4 4.2b 134 1-145
IDC IV 03 18 11 23.5–.69 22.58S 25.18E 0 4.1,4.0b ¶610651858
PRE IV 03 18 11 23.5–2.2 22.49S 24.97E 10 4.1L,4.0b
NEIC IV 03 18 11 26.1–1.3 22.58S–.06 25.17E–.09 16–3 4.7b,4.0b
ISC Event type se.
PRE Moment Tensor Solution. NP1:ϕ_s118.00000°,δ57.00000°,λ-102.00000°.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 03 18 11 47.8–2.5 22.6S–.60 25.3E–.30 10 4.6b 7 42-145
IDC IV 03 18 11 47.4–2.5 22.32S 25.42E 0 5.9s,4.5 ¶610651861
ISC Event type ke.
IDC Error ellipse: s-maj=88.4km s-min=38.7km az=20.0.
ISC IV 03 18 20 42.3–.86 22.91S–.04 24.77E–.07 10 35 0-68
IDC IV 03 18 20 42.5–3.3 22.88S 24.45E 0 4.4b,4.3 ¶610651863
PRE IV 03 18 20 47.8–.97 23.18S 25.06E 10 3.6L,4.3
ISC Event type se.
IDC Error ellipse: s-maj=216.4km s-min=22.2km az=78.0.
PRE Error ellipse: s-maj=4.7km s-min=3.4km az=-1.0.
ISC IV 03 18 38 10.9–.65 22.72S–.03 25.05E–.05 10 4.2b 72 1-87
PRE IV 03 18 38 10.7–.71 22.80S 25.01E 10 3.4L ¶610651864
NEIC IV 03 18 38 12.3–1.5 22.6S–.10 25.10E–.05 15–6 4.6b
IDC IV 03 18 38 14.2–1.4 22.85S 24.77E 0 3.9L,3.7
ISC Event type se.
PRE Error ellipse: s-maj=2.9km s-min=1.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=14.6km s-min=7.0km az=187.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=63.5km s-min=22.2km az=84.0.
ISC IV 03 20 09 48.6–1.4 22.72S–.04 25.06E–.05 8–12 46 1-10
PRE IV 03 20 09 47.7–.75 22.68S 24.78E 10 3.5L ¶614267921
BUL IV 03 20 09 53.1–.61 22.73S 25.47E 10 3.9
ISC Event type ke.
PRE Error ellipse: s-maj=4.1km s-min=2.6km az=-1.0.
BUL Error ellipse: s-maj=6.6km s-min=6.6km az=-1.0.
ISC IV 03 21 01 10.2–1.5 22.59S–.03 24.86E–.04 17–12 64 1-10
PRE IV 03 21 01 09.5–.71 22.57S 24.85E 10 2.9L ¶614267922
BUL IV 03 21 01 27.0–.62 23.33S 26.22E 10 3.7
ISC Event type ke.
PRE Error ellipse: s-maj=3.0km s-min=2.2km az=-1.0.
BUL Error ellipse: s-maj=5.9km s-min=5.7km az=-1.0.
ISC IV 03 21 20 57.4–.76 22.84S–.03 25.20E–.04 10 41 1-10
PRE IV 03 21 20 59.3–.74 22.90S 24.76E 10 2.9L ¶614267923
BUL IV 03 21 21 05.4–.72 23.12S 25.58E 10 4.1
ISC Event type ke.
PRE Error ellipse: s-maj=4.3km s-min=2.9km az=-1.0.
BUL Error ellipse: s-maj=7.5km s-min=7.6km az=-1.0.
PRE IV 03 22 19 41.8–.76 22.83S 25.26E 10 2.7L
BUL IV 03 22 19 48.5–1.1 23.04S 25.48E 10 4.0 ¶614267925
PRE Error ellipse: s-maj=3.6km s-min=3.1km az=-1.0.
BUL Error ellipse: s-maj=11.3km s-min=11.5km az=-1.0.
ISC IV 03 23 16 21.6–.62 22.63S–.03 25.25E–.05 10 4.0b 75 1-68
IDC IV 03 23 16 21.0–1.3 22.59S 25.15E 0 4.3b,4.0 ¶610651878
NEIC IV 03 23 16 22.8–2.6 22.58S–.06 25.13E–.10 16–6 4.0b,4.0
PRE IV 03 23 16 23.9–.82 23.03S 25.17E 10 3.0L,4.0
BUL IV 03 23 16 25.7–1.4 22.75S 25.55E 10 4.2,4.0
ISC Event type se.
IDC Error ellipse: s-maj=39.6km s-min=13.2km az=78.0.
NEIC Event type se. Error ellipse: s-maj=13.0km s-min=8.4km az=74.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PRE Error ellipse: s-maj=3.4km s-min=2.1km az=-1.0.
BUL Error ellipse: s-maj=5.0km s-min=8.0km az=-1.0.
ISC IV 04 04 19 21.6–.83 22.67S–.03 25.24E–.04 22–8 70 1-11
PRE IV 04 04 19 22.8–.77 22.99S 25.00E 10 3.3L ¶614267931
BUL IV 04 04 19 24.2–1.4 22.64S 25.40E 10 4.5
ISC Event type ke.
PRE Error ellipse: s-maj=2.8km s-min=1.9km az=-1.0.
BUL Error ellipse: s-maj=5.3km s-min=8.7km az=-1.0.
ISC IV 04 06 40 41.8–.79 22.70S–.04 25.20E–.04 10 36 1-10
BUL IV 04 06 40 43.8–.88 22.72S 25.54E 10 3.9 ¶614267934
PRE IV 04 06 40 45.4–.92 23.18S 24.73E 10 2.7L
ISC Event type ke.
BUL Error ellipse: s-maj=9.7km s-min=9.5km az=-1.0.
PRE Error ellipse: s-maj=6.0km s-min=3.8km az=-1.0.
ISC IV 04 18 53 07.6–.51 22.70S–.03 24.88E–.03 10 3.8b 92 1-145
PRE IV 04 18 53 07.3–.70 22.84S 24.75E 10 3.5L ¶610651940
IDC IV 04 18 53 08.5–.87 22.54S 24.98E 0 3.9,3.8b
ISC Event type ke.
PRE Error ellipse: s-maj=2.2km s-min=1.5km az=-1.0.
IDC Error ellipse: s-maj=26.5km s-min=16.0km az=79.0.
ISC IV 04 19 41 56.2–.58 22.66S–.03 25.32E–.04 10 3.8b 73 1-145
IDC IV 04 19 41 56.1–.86 22.60S 25.33E 0 3.9,3.7b ¶610651944
PRE IV 04 19 41 58.1–.89 23.04S 25.20E 10 3.4L,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=25.7km s-min=12.1km az=83.0.
PRE Error ellipse: s-maj=3.1km s-min=2.3km az=-1.0.
ISC IV 05 00 55 49.8–.27 22.57S–.03 25.07E–.04 10 5.0b,4.0s 555 1-147
BJI IV 05 00 55 47.5–.00 22.60S 25.10E 5 5.4b,5.1b ¶616568261
IDC IV 05 00 55 48.5–.49 22.57S 25.23E 0 4.6L,4.5

PRE IV 05 00 55 48.4–3.2 22.54S 24.98E 10 4.6L,4.5
BUL IV 05 00 55 50.9–1.2 22.48S 25.19E 10 4.4,4.5
NEIC IV 05 00 55 50.4–1.4 22.57S–.06 25.09E–.02 10–1 5.0b,4.5
ISC Event type se.
PRE Moment Tensor Solution. NP1:ϕ_s336.00000°,δ42.27000°,λ-67.37000°.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 05 02 49 02.6–.63 22.72S–.03 25.27E–.04 10 81 1-145
IDC IV 05 02 49 02.4–1.2 22.69S 25.10E 0 3.8,3.7b ¶610651960
PRE IV 05 02 49 04.9–.91 23.07S 25.22E 10 2.9L,3.7b
BUL IV 05 02 49 05.1–1.1 22.68S 25.44E 10 4.2,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=30.0km s-min=14.1km az=80.0.
PRE Error ellipse: s-maj=3.0km s-min=2.2km az=-1.0.
BUL Error ellipse: s-maj=3.1km s-min=3.8km az=-1.0.
ISC IV 05 22 46 58.6–1.2 22.71S–.06 24.93E–.07 10 48 2-11
PRE IV 05 22 46 59.8–.71 22.74S 24.92E 10 3.2L ¶614428786
BUL IV 05 22 47 05.2–1.9 22.80S 25.38E 10–24 4.1
ISC Event type ke.
PRE Error ellipse: s-maj=2.9km s-min=2.1km az=-1.0.
BUL Error ellipse: s-maj=7.2km s-min=12.6km az=-1.0.
ISC IV 06 02 30 21.0–1.1 22.77S–.03 25.04E–.04 12–7 4.1b 131 1-145
IDC IV 06 02 30 19.8–.98 22.78S 25.05E 0 3.9,3.8b ¶610652043
NEIC IV 06 02 30 22.2–1.2 22.79S–.05 25.02E–.08 10–1 4.5b,3.8b
PRE IV 06 02 30 22.5–.84 23.05S 24.99E 10 3.5L,3.8b
BUL IV 06 02 30 23.6–1.5 22.85S 25.25E 0–10 4.5,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=30.2km s-min=13.4km az=76.0.
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=8.9km az=284.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PRE Error ellipse: s-maj=3.0km s-min=2.2km az=-1.0.
BUL Error ellipse: s-maj=5.3km s-min=9.8km az=-1.0.
ISC IV 06 05 25 56.6–.86 22.69S–.04 25.07E–.06 10 36 1-10
PRE IV 06 05 25 54.7–.90 22.58S 24.99E 10 3.1L ¶614267975
BUL IV 06 05 26 02.6–1.6 22.65S 25.54E 3–11 4.6
ISC Event type ke.
PRE Error ellipse: s-maj=4.7km s-min=3.4km az=-1.0.
BUL Error ellipse: s-maj=5.9km s-min=10.5km az=-1.0.
ISC IV 06 07 33 57.8–1.1 22.76S–.06 24.92E–.05 10 67 2-11
PRE IV 06 07 33 58.4–.84 22.72S 24.92E 10 3.9L ¶614267976
BUL IV 06 07 34 03.1–1.2 22.74S 25.56E 10 4.8
ISC Event type ke.
PRE Error ellipse: s-maj=2.6km s-min=1.8km az=-1.0.
BUL Error ellipse: s-maj=4.7km s-min=6.8km az=-1.0.
ISC IV 07 02 08 16.9–.66 22.76S–.04 25.02E–.04 10 3.4b 80 1-68
PRE IV 07 02 08 17.1–.83 22.82S 24.93E 10 3.5L ¶610652118
IDC IV 07 02 08 19.6–1.4 22.99S 23.48E 0 4.3L,3.5
ISC Event type ke.
PRE Error ellipse: s-maj=3.2km s-min=2.0km az=-1.0.
IDC Error ellipse: s-maj=97.9km s-min=21.1km az=73.0.
ISC IV 08 19 55 32.0–.54 22.60S–.03 25.05E–.04 15–3 4.6b,3.7s 270 1-145
PRE IV 08 19 55 30.0–2.8 22.54S 24.99E 10 4.3L,3.7s ¶610523744
NEIC IV 08 19 55 32.8–.79 22.57S–.06 25.08E–.09 14–4 4.7b,3.7s
IDC IV 08 19 55 33.3–.63 22.62S 25.10E 19–3 4.4L,4.3
BUL IV 08 19 55 38.9–1.5 23.04S 25.66E 10 4.6,4.3
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s22.01830°,δ38.82584°,λ-19.76236°. NP2: ϕ_s127.65519°,δ77.76124°,λ-127.13903°. Principal axes: T Plg23.6394°,Azm245.4315° ; N Plg36.1591°,Azm136.7762°; P Plg44.4890°,Azm0.8971°
PRE Error ellipse: s-maj=5.2km s-min=4.3km az=-1.0. Moment Tensor Solution. NP1: ϕ_s343.68000°,δ39.67000°,λ-57.60000°.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=8.3km az=82.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=19.4km s-min=10.7km az=82.0.
BUL Error ellipse: s-maj=13.0km s-min=14.5km az=-1.0.
ISC IV 09 07 03 09.8–2.1 22.9S–.10 25.21E–.08 10 31 2-10
BUL IV 09 07 03 06.4–1.4 22.42S 25.43E 0–124 3.9 ¶614428833
PRE IV 09 07 03 14.2–.65 23.11S 25.24E 10 2.5L
ISC Event type ke.
BUL Error ellipse: s-maj=103.5km s-min=89.3km az=-1.0.
PRE Error ellipse: s-maj=3.4km s-min=2.9km az=-1.0.
ISC IV 10 02 51 00.9–1.1 22.60S–.06 24.95E–.07 10 75 2-11
PRE IV 10 02 51 01.9–1.7 22.58S 24.94E 10 3.1L ¶614299580
BUL IV 10 02 51 07.0–1.6 22.74S 25.38E 10 4.1
ISC Event type ke.
PRE Error ellipse: s-maj=5.2km s-min=4.5km az=-1.0.
BUL Error ellipse: s-maj=5.9km s-min=9.9km az=-1.0.
ISC IV 10 02 59 09.3–1.1 22.61S–.06 24.94E–.07 10 76 2-11
PRE IV 10 02 59 09.9–2.0 22.56S 24.97E 10 2.9L ¶614299581
BUL IV 10 02 59 15.7–1.2 22.73S 25.47E 10 4.2
ISC Event type ke.
PRE Error ellipse: s-maj=5.9km s-min=4.8km az=-1.0.
BUL Error ellipse: s-maj=4.2km s-min=6.9km az=-1.0.
PRE IV 10 03 39 03.6–1.1 23.09S 25.59E 10 1.9L
BUL IV 10 03 39 02.9–1.1 24.14S 25.44E 10 4.0 ¶614299582
PRE Error ellipse: s-maj=8.1km s-min=8.9km az=-1.0.
BUL Error ellipse: s-maj=7.1km s-min=17.2km az=-1.0.
ISC IV 24 09 04 20.4–.68 22.72S–.04 25.21E–.04 10 90 1-145
IDC IV 24 09 04 19.7–1.4 22.60S 25.41E 0 3.9,3.7b ¶610649874
PRE IV 24 09 04 22.1–1.6 22.76S 25.26E 10 3.1L,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=38.8km s-min=13.1km az=86.0.
PRE Error ellipse: s-maj=3.9km s-min=2.9km az=-1.0.
ISC IV 27 06 32 29.4–1.1 18.59S–.07 23.59E–.06 10 22 5-14
PRE IV 27 06 32 27.3–.94 18.36S 23.55E 10 3.5L ¶614299669
ISC Event type ke.
PRE Error ellipse: s-maj=11.0km s-min=7.6km az=-1.0.
ISC V 01 02 30 40.7–.83 23.06S–.05 25.28E–.05 10 75 2-10
PRE V 01 02 30 37.9–1.7 22.83S 25.18E 10 2.8L ¶614299685
BUL V 01 02 30 46.1–.49 23.20S 25.68E 10 4.1
ISC Event type ke.
PRE Error ellipse: s-maj=4.4km s-min=3.3km az=-1.0.
BUL Error ellipse: s-maj=1.4km s-min=1.7km az=-1.0.
ISC V 01 08 44 01.7–1.6 22.91S–.08 25.19E–.06 10 67 2-10
BUL V 01 08 44 00.0–1.1 22.57S 25.65E 10 4.1 ¶614299687
PRE V 01 08 44 00.9–1.6 22.72S 25.14E 10 2.8L
ISC Event type ke.
BUL Error ellipse: s-maj=3.8km s-min=6.0km az=-1.0.
PRE Error ellipse: s-maj=5.3km s-min=3.8km az=-1.0.
ISC V 18 23 20 49.5–.71 22.64S–.05 25.02E–.05 10 3.9s 71 2-87
IDC V 18 23 20 43.0–5.4 22.32S 26.85E 0 3.7,3.7b ¶610690627
PRE V 18 23 20 51.7–.73 22.70S 25.02E 10 3.4L,3.7b
BUL V 18 23 20 54.8–1.2 22.75S 25.42E 4–8 4.5,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=206.4km s-min=34.7km az=87.0.
PRE Error ellipse: s-maj=2.1km s-min=1.5km az=-1.0.
BUL Error ellipse: s-maj=5.0km s-min=9.0km az=-1.0.
ISC V 24 08 10 37.1–1.6 22.87S–.08 25.19E–.06 10 70 2-10
PRE V 24 08 10 36.5–1.9 22.74S 25.18E 10 2.8L ¶614299780
BUL V 24 08 10 40.8–1.1 22.90S 25.66E 2–9 5.1
ISC Event type ke.
PRE Error ellipse: s-maj=5.8km s-min=4.4km az=-1.0.
BUL Error ellipse: s-maj=4.9km s-min=8.2km az=-1.0.
PRE VI 05 19 31 50.8–.89 22.89S 25.05E 5 2.1L
BUL VI 05 19 31 47.3–1.3 22.26S 24.98E 38–61 4.2 ¶614299862
PRE Error ellipse: s-maj=4.1km s-min=4.9km az=-1.0.
BUL Error ellipse: s-maj=37.9km s-min=43.7km az=-1.0.
ISC VI 21 07 10 29.7–.46 22.65S–.05 25.17E–.04 10 4.2b,3.5s 112 2-145
IDC VI 21 07 10 28.8–.72 22.62S 25.20E 0 4.5L,4.3 ¶610789197
PRE VI 21 07 10 29.4–2.6 22.62S 25.17E 10 4.1L,4.3
NEIC VI 21 07 10 30.9–.60 22.64S–.03 25.27E–.10 10–1 4.2b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 24 10 32 15.7–1.5 22.52S–.07 25.01E–.07 10 51 3-10
PRE VI 24 10 32 14.3–.84 22.42S 24.98E 5 3.0L ¶614299974
BUL VI 24 10 32 25.0–1.0 22.77S 25.72E 10 4.4
ISC Event type ke.
PRE Error ellipse: s-maj=3.2km s-min=2.5km az=-1.0.
BUL Error ellipse: s-maj=4.6km s-min=6.7km az=-1.0.

(581) Mozambique.

PRE I 06 21 37 19.8–1.1 21.08S 33.67E 10 2.4L
BUL I 06 21 38 00.6–8.7 23.20S 31.21E 10 4.9 ¶614970849
PRE Error ellipse: s-maj=12.1km s-min=11.9km az=-1.0.
BUL Error ellipse: s-maj=42.6km s-min=45.3km az=-1.0.
PRE I 21 00 55 02.8–1.1 18.82S 34.94E 10 2.3L ¶614970924
PRE Error ellipse: s-maj=11.2km s-min=11.1km az=-1.0.
ISC II 10 16 43 37.3–.28 17.96S–.04 35.37E–.04 10 4.9b,4.4s 294 3-149
PRE II 10 16 43 31.0–1.8 17.45S 35.21E 5 4.5L,4.4s ¶611831775
IDC II 10 16 43 34.1–.54 17.69S 35.45E 0 4.3,4.3L
NEIC II 10 16 43 38.0–2.3 17.91S–.09 35.6E–.10 10–1 5.1b,4.3L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 11 23 26 38.1–2.1 17.7S–.10 35.0E–.30 10 12 2-11
BUL II 11 23 26 33.4–.76 18.04S 36.18E 10 4.4 ¶616226357
ISC Event type ke.
BUL Error ellipse: s-maj=13.8km s-min=13.1km az=-1.0.
ISC VI 18 13 31 04.1–.54 21.36S–.05 33.31E–.04 13 4.5b,3.2s 102 3-91
PRE VI 18 13 31 00.9–1.7 21.32S 33.74E 10 3.9L,3.2s ¶610792122
IDC VI 18 13 31 04.8–1.6 21.39S 33.14E 0 4.4L,4.2
NEIC VI 18 13 31 04.5–1.2 21.29S–.09 33.36E–.09 10–1 4.6b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 21 19 45 19.8–2.6 15.6S–.20 32.4E–.10 10 18 3-15
PRE VI 21 19 45 19.7–.82 15.49S 32.30E 10 2.8L ¶616059272
ISC Event type ke.
PRE Error ellipse: s-maj=7.7km s-min=13.1km az=-1.0.
ISC VI 24 02 37 17.9–.32 19.59S–.03 34.47E–.04 29–1 5.7b,5.1s 1252 4-153
IDC VI 24 02 37 11.1–.42 19.66S 34.55E 0 5.2L,5.0s ¶612757233
BUL VI 24 02 37 12.8–3.2 19.51S 34.71E 10 5.4,5.0s
NEIC VI 24 02 37 14.9 19.46S 34.54E 30 5.4,5.0s
NEIC VI 24 02 37 14.9 19.46S 34.54E 30 5.4,5.0s
BJI VI 24 02 37 15.0–.00 19.60S 34.50E 10 5.4b,5.2s
LSZ VI 24 02 37 16.0–1.4 19.74S 32.98E 0 6.0,5.6L
MOS VI 24 02 37 17.1–1.1 19.51S 34.51E 33 5.8b,4.9s
NEIC VI 24 02 37 18.5–1.4 19.45S–.07 34.49E–.08 27–1 5.8b,5.6
NEIC VI 24 02 37 18 19.45S 34.50E 23 5.8b,5.6
GCMT VI 24 02 37 19.5–.10 19.42S–.01 34.48E–.01 31–0 5.6W,5.6
BGR VI 24 02 37 28.6 18.83S 35.31E 33 5.9b,5.0s
ISC Event type ke.
IDC Error ellipse: s-maj=15.8km s-min=11.9km az=92.0.
BUL Error ellipse: s-maj=15.0km s-min=33.9km az=-1.0.
NEIC Event type se. Moment Tensor Solution.Duration: 3^s0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.49 $M_{\theta\theta}$-1.25 $M_{\phi\phi}$1.73 $M_{r\theta}$1.29 $M_{\theta\phi}$-1.82 $M_{\phi r}$0.06 NP1:ϕ_s292.76000°,δ77.64000° ,λ-152.26000°. NP2:ϕ_s196.34000°,δ62.96000°,λ-13.90000°. Principal axes: T 2.6814,Plg10.0000°,Azm62.0000°; N 0.0666,Plg60.0000°,Azm315.0000° ; P -2.7479,Plg28.0000°,Azm158.0000° $M_0$2.71000$\times10^{17}$
NEIC Event type se.
LSZ Error ellipse: s-maj=39.6km s-min=203.8km az=-1.0.
MOS Error ellipse: s-maj=9.0km s-min=4.8km az=86.3.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=11.5km az=85.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.59 $M_{\theta\theta}$-1.00 $M_{\phi\phi}$1.59 $M_{r\theta}$0.76 $M_{\theta\phi}$-2.61 $M_{\phi r}$0.60 NP1:ϕ_s285.27000°,δ73.52000°,λ-165.43000°. NP2:ϕ_s191.05000° ,δ76.04000°,λ-17.00000°. Principal axes: T 3.2078,Plg2.0000°,Azm238.0000° ; N -0.2057,Plg68.0000°,Azm333.0000°; P -3.0021,Plg22.0000°,Azm148.0000° $M_0$3.11000$\times10^{17}$
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s137,c248; s164,c339;Duration: 1^s5 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.74±.03 $M_{\theta\theta}$-1.21±.03; $M_{\phi\phi}$1.95±.03; $M_{r\theta}$0.89±.05; $M_{\theta\phi}$-2.10±.02; $M_{\phi r}$0.78±.05; Best double couple: NP1:ϕ_s195.00000°,δ74.00000°,λ-24.00000°. NP2:ϕ_s292.00000°,δ67.00000°,λ-163.00000°. Principal axes: T 3.0240,Plg5.0000° ,Azm245.0000°; N -0.1520,Plg61.0000°,Azm343.0000°; P -2.8720,Plg28.0000° ,Azm152.0000° $M_0$2.94800$\times10^{17}$
BGR Event type ke.
ISC VI 24 03 16 19.1–1.7 19.45S–.08 34.2E–.10 10 48 4-12
PRE VI 24 03 16 17.6–1.8 19.42S 34.37E 10 2.8L ¶614299969
BUL VI 24 03 16 20.6–1.2 19.74S 34.37E 10 5.0
ISC Event type ke.
PRE Error ellipse: s-maj=11.1km s-min=12.0km az=-1.0.
BUL Error ellipse: s-maj=15.4km s-min=16.0km az=-1.0.
PRE VI 30 13 30 28.4–1.8 26.21S 32.28E 10 2.0L
BUL VI 30 13 30 18.4–.85 25.12S 34.61E 10–5 5.2 ¶616059320
PRE Error ellipse: s-maj=8.8km s-min=9.3km az=-1.0.
BUL Error ellipse: s-maj=6.8km s-min=8.8km az=-1.0.

(583) Madagascar.

ISC I 11 22 06 59.9–.40 20.14S–.03 46.72E–.04 16–2 5.5b,5.4s 1018 1-160
MOS I 11 22 06 56.9–.62 20.14S 46.71E 13 5.7b,4.8s ¶610570621
IDC I 11 22 06 56.8–.43 20.18S 46.68E 0 5.5L,5.1s
NEIC I 11 22 06 58.1 20.26S 46.42E 12 5.5L,5.1s
NEIC I 11 22 06 58.7–1.4 20.16S–.04 46.65E–.09 7–3 5.5,5.5
BJI I 11 22 07 03.5–.00 19.83S 47.33E 26 5.6b,5.3s
GCMT I 11 22 07 04.7–.10 20.11S–.01 46.74E–.01 35–0 5.6W,5.3s
BGR I 11 22 07 12.2 18.28S 46.50E 35–0 5.3b,5.1s
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s147.69792°,δ47.36560°,λ-168.78845°. NP2: ϕ_s50.05143°,δ81.77610°,λ-43.18493°. Principal axes: T Plg22.1969°,Azm106.2129° ; N Plg46.1909°,Azm221.3860°; P Plg35.4563°,Azm359.3206°
MOS Error ellipse: s-maj=11.2km s-min=5.2km az=92.2.
IDC Error ellipse: s-maj=11.5km s-min=9.5km az=95.0.
NEIC Event type se. Moment Tensor Solution.Duration: 2^s9 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.68 $M_{\theta\theta}$-0.72 $M_{\phi\phi}$1.40 $M_{r\theta}$-1.15 $M_{\theta\phi}$0.90 $M_{\phi r}$-0.41 NP1:ϕ_s57.64000°,δ75.73000° ,λ-45.15000°. NP2:ϕ_s161.55000°,δ46.60000°,λ-160.17000°. Principal axes: T 1.9873,Plg18.0000°,Azm116.0000°; N -0.0923,Plg43.0000°,Azm224.0000° ; P -1.8950,Plg41.0000°,Azm9.0000° $M_0$1.94000$\times10^{17}$
NEIC Event type se. Error ellipse: s-maj=12.9km s-min=4.6km az=103.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s102,c162; s145,c225;Duration: 1^s6 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.81±.07 $M_{\theta\theta}$-1.82±.05; $M_{\phi\phi}$3.62±.05; $M_{r\theta}$-0.58±.08; $M_{\theta\phi}$1.84±.04; $M_{\phi r}$-0.59±.07; Best double couple: NP1:ϕ_s57.00000°,δ75.00000°,λ-26.00000°. NP2:ϕ_s154.00000°,δ65.00000°,λ-164.00000°. Principal axes: T 4.2740,Plg7.0000° ,Azm107.0000°; N -1.6920,Plg61.0000°,Azm210.0000°; P -2.5920,Plg29.0000° ,Azm14.0000° $M_0$3.43300$\times10^{17}$
BGR Event type ke.

(584) South Africa.

ISC I 28 16 03 04.4–1.1 25.95S–.07 29.19E–.07 3 16 3-13
IDC I 28 16 03 06.8–3.5 26.10S 28.97E 0 3.4,3.2L ¶610235572
BUL I 28 16 03 08.7–1.7 26.26S 29.25E 2–18 3.5,3.2L
ISC Event type ke.
IDC Error ellipse: s-maj=33.6km s-min=25.9km az=70.0.
BUL Error ellipse: s-maj=9.4km s-min=9.3km az=-1.0.
PRE II 03 06 35 25.6–1.1 26.91S 26.77E 2 1.9L

¶614970987
PRE Error ellipse: s-maj=2.5km s-min=2.9km az=-1.0.
ISC II 04 14 30 12.8–1.1 26.14S–.07 29.10E–.07 3 13 3-13
BUL II 04 14 30 14.0–1.4 26.13S 29.01E 7–7 3.9 ¶610414825
IDC II 04 14 30 15.0–8.0 26.13S 28.75E 0 2.6,2.4L
ISC Event type ke.
BUL Error ellipse: s-maj=6.1km s-min=5.0km az=-1.0.
IDC Error ellipse: s-maj=77.6km s-min=55.1km az=140.0.
ISC II 07 14 02 47.1–.88 26.38S–.02 27.55E–.03 12–6 4.2b 76 0-88
NEIC II 07 14 02 46.3–1.6 26.30S–.09 27.58E–.07 5–2 4.4b ¶610415047
PRE II 07 14 02 46.2–2.2 26.43S 27.58E 2 3.1L
IDC II 07 14 02 46.9–1.8 26.37S 27.36E 0 3.8,3.8b
BUL II 07 14 02 48.7–1.1 26.47S 27.64E 10 3.7,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.5km s-min=8.2km az=336.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PRE Error ellipse: s-maj=2.5km s-min=3.2km az=-1.0. Moment Tensor Solution. NP1:ϕ_s49.00000° ,δ29.00000°,λ112.00000°.
IDC Error ellipse: s-maj=55.0km s-min=15.8km az=121.0.
BUL Error ellipse: s-maj=4.7km s-min=4.7km az=-1.0.
IDC II 10 14 39 36.6–7.2 26.21S 29.93E 0 2.7,1.8L
¶610415238
IDC Error ellipse: s-maj=50.1km s-min=35.5km az=91.0.
BUL II 17 12 21 13.4–3.5 25.77S 28.63E 10–37 4.5
¶614428579
BUL Error ellipse: s-maj=18.9km s-min=28.4km az=-1.0.
ISC II 17 12 43 31.8–1.0 24.80S–.05 26.82E–.04 5 11 1-4
BUL II 17 12 42 51.7–.91 22.89S 23.84E 0–7 4.1 ¶614971064
PRE II 17 12 43 30.7–1.2 24.82S 26.79E 1 2.0L
ISC Event type ke.
BUL Error ellipse: s-maj=4.5km s-min=8.1km az=-1.0.
PRE Error ellipse: s-maj=3.1km s-min=2.7km az=-1.0.
BUL II 17 15 55 17.3–.90 25.71S 28.96E 0–7 3.4
¶614428586
BUL Error ellipse: s-maj=5.1km s-min=8.1km az=-1.0.
PRE II 18 16 33 50.8–1.4 26.39S 27.46E 2 2.0L
BUL II 18 16 33 52.7–1.4 26.34S 27.67E 38–17 4.2 ¶613508775
PRE Error ellipse: s-maj=2.9km s-min=4.5km az=-1.0.
BUL Error ellipse: s-maj=8.6km s-min=13.0km az=-1.0.
PRE II 19 03 19 02.6–.87 26.35S 27.74E 2 1.4L
BUL II 19 03 18 55.0–1.2 26.12S 28.35E 38–20 4.6 ¶613508776
PRE Error ellipse: s-maj=1.7km s-min=4.9km az=-1.0.
BUL Error ellipse: s-maj=5.1km s-min=14.3km az=-1.0.
ISC II 22 09 14 29.0–.72 26.98S–.03 26.58E–.05 5 43 1-148
PRE II 22 09 14 28.4–.88 26.99S 26.63E 2 3.1L ¶610384796
IDC II 22 09 14 30.0–1.8 26.94S 26.62E 0 4.0,3.7L
ISC Event type ke.
PRE Error ellipse: s-maj=1.7km s-min=2.3km az=-1.0.
IDC Error ellipse: s-maj=28.9km s-min=10.8km az=98.0.
ISC II 27 12 53 25.7–1.1 26.25S–.07 29.32E–.07 10 16 3-87
IDC II 27 12 53 26.6–1.9 26.18S 29.14E 0 3.7b,3.5 ¶610385128
BUL II 27 12 53 27.6–1.0 26.16S 29.23E 13–14 3.6,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=26.1km s-min=18.7km az=151.0.
BUL Error ellipse: s-maj=9.2km s-min=7.9km az=-1.0.
PRE III 02 11 03 00.4–.98 33.55S 19.75E 5 1.5L
¶616058351
PRE Error ellipse: s-maj=7.1km s-min=2.3km az=-1.0.
BUL III 03 15 27 13.1–1.8 26.07S 29.36E 10 3.1
¶614428610
BUL Error ellipse: s-maj=9.7km s-min=9.3km az=-1.0.
ISC III 07 14 41 26.9–1.4 26.47S–.04 27.54E–.05 7–9 4.1b 48 1-149
PRE III 07 14 41 26.1–1.3 26.49S 27.54E 2 3.0L ¶610545739
IDC III 07 14 41 27.2–1.3 26.45S 27.52E 0 4.0,4.0b
BUL III 07 14 41 28.6–.89 26.49S 27.67E 3–9 3.7,4.0b
ISC Event type ke.
PRE Error ellipse: s-maj=2.2km s-min=3.7km az=-1.0.
IDC Error ellipse: s-maj=20.4km s-min=14.8km az=108.0.
BUL Error ellipse: s-maj=3.7km s-min=3.9km az=-1.0.
ISC III 16 15 52 13.2–1.2 26.32S–.08 29.52E–.08 10 13 3-48
IDC III 16 15 52 17.3–4.3 26.07S 28.83E 0 4.0b,3.8 ¶610546322
BUL III 16 15 52 22.9–.99 26.47S 29.53E 10–12 3.4,3.8
ISC Event type ke.
IDC Error ellipse: s-maj=79.2km s-min=21.2km az=121.0.
BUL Error ellipse: s-maj=5.9km s-min=6.0km az=-1.0.
ISC III 20 10 41 41.9–1.1 26.20S–.09 29.27E–.08 10 14 3-47
IDC III 20 10 41 42.9–2.5 26.11S 29.17E 0 3.8b,3.7 ¶610543326
BUL III 20 10 41 44.8–1.2 26.35S 29.39E 10 3.8,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=25.8km s-min=20.2km az=114.0.
BUL Error ellipse: s-maj=14.3km s-min=13.1km az=-1.0.
BUL III 24 13 04 51.7–.25 25.46S 28.77E 10 3.8
¶614428675
BUL Error ellipse: s-maj=1.3km s-min=1.1km az=-1.0.
PRE III 27 02 08 45.8–.92 26.42S 27.46E 2 1.9L
BUL III 27 02 08 48.7–1.4 26.49S 27.51E 10–15 3.4 ¶614267330
PRE Error ellipse: s-maj=1.3km s-min=1.8km az=-1.0.
BUL Error ellipse: s-maj=7.5km s-min=9.1km az=-1.0.
BUL III 29 07 42 43.3–1.1 25.69S 29.93E 1–12 3.7
¶614428697
BUL Error ellipse: s-maj=6.5km s-min=6.6km az=-1.0.
BUL III 31 13 19 15.8–.62 25.80S 29.28E 10–36 3.2
¶614428709
BUL Error ellipse: s-maj=3.4km s-min=3.2km az=-1.0.
ISC IV 03 03 08 50.1–1.0 26.89S–.02 26.77E–.02 0–6 5.0b,3.9s 928 1-151
MOS IV 03 03 08 49.1–.85 26.88S 26.81E 10 5.2b,3.9s ¶610471076
PRE IV 03 03 08 50.0–2.3 26.89S 26.75E 2 4.6L,3.9s
IASPE IV 03 03 08 50.5–.26 26.87S 26.77E 3–1 5.7b,5.3b
IDC IV 03 03 08 50.7–.42 26.86S 26.71E 0 5.0L,4.8
BJI IV 03 03 08 51.4–.00 26.78S 26.67E 14 5.2b,5.1b
NEIC IV 03 03 08 51.2–1.5 26.91S–.05 26.80E–.07 5–1 5.2b,5.1b
BUL IV 03 03 08 52.6–1.0 26.93S 26.87E 10 4.7,5.1b
BGR IV 03 03 09 04.7 25.32S 26.39E 33 5.0b,5.1b
ISC Event type ke. Moment Tensor Solution. NP1:ϕ_s30.71383°,δ45.76228°,λ-91.50312°. NP2: ϕ_s212.86789°,δ44.25797°,λ-88.45689°. Principal axes: T Plg0.7523°,Azm121.7767° ; N Plg1.0768°,Azm31.7626°; P Plg88.6863°,Azm246.7087°
MOS Error ellipse: s-maj=10.1km s-min=4.5km az=83.1.
PRE Error ellipse: s-maj=2.4km s-min=2.6km az=-1.0. Moment Tensor Solution. NP1: ϕ_s233.92000°,δ50.73000°,λ-77.04000°.
IASPE Event type se. Error ellipse: s-maj=2.9km s-min=2.6km az=131.0. GT5 selection from ISC bulletin. GT5 identified by Bondr and McLaughlin (2009) selection criteria. Bondr and McLaughlin, A new ground truth data set for seismic studies, <i>Seism. Res. Let.</i>, 80, 465-472, 2009.
IDC Error ellipse: s-maj=12.7km s-min=8.8km az=99.0.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=8.4km az=80.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BUL Error ellipse: s-maj=3.9km s-min=4.9km az=-1.0.
BGR Event type ke.
ISC IV 18 00 57 41.2–1.5 26.47S–.03 27.52E–.04 8–10 49 1-88
PRE IV 18 00 57 40.3–1.0 26.48S 27.50E 2 2.4L ¶610652955
BUL IV 18 00 57 41.9–1.6 26.49S 27.67E 10 3.8
IDC IV 18 00 57 41.3–1.8 26.42S 27.61E 0 3.4,3.3b
ISC Event type ke.
PRE Error ellipse: s-maj=1.7km s-min=2.0km az=-1.0.
BUL Error ellipse: s-maj=6.8km s-min=6.8km az=-1.0.
IDC Error ellipse: s-maj=22.1km s-min=14.8km az=99.0.
ISC IV 19 14 16 29.8–1.4 26.17S–.08 29.42E–.09 10 10 3-18
IDC IV 19 14 16 30.6–8.4 26.33S 29.37E 0 2.9,2.4L ¶610653054
BUL IV 19 14 16 37.0–1.7 25.69S 29.36E 0–18 3.7,2.4L
ISC Event type ke.
IDC Error ellipse: s-maj=84.6km s-min=58.1km az=147.0.
BUL Error ellipse: s-maj=9.2km s-min=8.6km az=-1.0.
IDC IV 19 15 18 47.5–8.6 26.13S 29.59E 0 2.7,2.3L
¶610653056
IDC Error ellipse: s-maj=99.0km s-min=59.4km az=146.0.
ISC IV 22 20 50 37.9–1.1 27.02S–.03 26.61E–.03 9–7 4.3b 149 1-149
PRE IV 22 20 50 36.8–1.9 27.02S 26.61E 2 3.4L ¶610653283
IDC IV 22 20 50 37.9–.98 26.99S 26.50E 0 4.1,3.9b
NEIC IV 22 20 50 38.2–.74 27.05S–.04 26.67E–.03 5–1 4.5b,3.9b
ISC Event type se.
PRE Moment Tensor Solution. NP1:ϕ_s160.00000°,δ90.00000°,λ30.00000°.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 23 15 23 58.3–1.1 26.19S–.06 29.12E–.08 3 17 3-47
IDC IV 23 15 24 00.3–2.6 26.11S 28.99E 0 3.4,3.3b ¶610649820
BUL IV 23 15 24 06.1–.87 25.93S 29.21E 5–9 3.6,3.3b
ISC Event type ke.
IDC Error ellipse: s-maj=27.5km s-min=18.5km az=117.0.
BUL Error ellipse: s-maj=4.8km s-min=4.4km az=-1.0.
BUL V 01 05 12 08.6–.90 22.57S 29.47E 13–13 4.1
¶614428994
BUL Error ellipse: s-maj=11.1km s-min=7.0km az=-1.0.
BUL V 02 12 22 32.8–1.2 25.71S 30.00E 8–13 3.3
¶614428998
BUL Error ellipse: s-maj=6.8km s-min=6.9km az=-1.0.
BUL V 07 15 19 01.1–1.4 26.26S 29.03E 1–15 3.9
¶614429037
BUL Error ellipse: s-maj=6.3km s-min=9.2km az=-1.0.
BUL V 19 11 02 06.5–2.3 26.04S 29.34E 10 4.4
¶614429377
BUL Error ellipse: s-maj=12.3km s-min=11.7km az=-1.0.
PRE V 20 01 22 48.7–2.2 26.42S 27.56E 2 1.4L
BUL V 20 01 22 50.2–1.4 26.50S 27.50E 10–16 4.2 ¶614299764
PRE Error ellipse: s-maj=4.2km s-min=5.3km az=-1.0.
BUL Error ellipse: s-maj=7.6km s-min=9.2km az=-1.0.
BUL V 21 15 11 45.5–1.4 26.06S 29.08E 10 4.7
¶614429395
BUL Error ellipse: s-maj=6.8km s-min=5.6km az=-1.0.
BUL V 21 15 15 51.2–.56 25.91S 28.75E 1–5 3.6
¶614429399
BUL Error ellipse: s-maj=2.9km s-min=3.0km az=-1.0.
BUL V 23 14 50 29.9–1.8 25.59S 29.31E 10 3.2
¶614429423
BUL Error ellipse: s-maj=9.1km s-min=8.5km az=-1.0.
BUL V 24 17 15 58.8–1.4 26.22S 28.97E 10 4.5
¶614429434
BUL Error ellipse: s-maj=6.2km s-min=5.4km az=-1.0.
BUL V 28 13 38 12.1–.90 25.41S 29.07E 10 3.2
¶614429536
BUL Error ellipse: s-maj=5.1km s-min=5.5km az=-1.0.
IDC VI 02 13 00 26.9–6.0 27.63S 23.22E 0 2.7L,2.6
¶610791099
IDC Error ellipse: s-maj=41.6km s-min=40.7km az=167.0.
ISC VI 12 23 52 58.8–1.2 26.87S–.03 26.78E–.03 7–9 4.2b 102 1-149
PRE VI 12 23 52 57.4–.93 26.88S 26.77E 2 3.3L ¶610791747
NEIC VI 12 23 53 00.2–1.2 26.91S–.04 26.79E–.08 5–1 4.0b
IDC VI 12 23 53 00.3–2.6 26.86S 26.60E 0 3.9b,3.8
BUL VI 12 23 53 01.2–1.1 26.93S 26.78E 0–11 3.7,3.8
ISC Event type se.
PRE Error ellipse: s-maj=1.0km s-min=1.2km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=7.1km az=90.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=66.5km s-min=15.3km az=111.0.
BUL Error ellipse: s-maj=4.2km s-min=5.3km az=-1.0.
IDC VI 20 13 19 46.1–4.3 27.75S 23.12E 0 3.2,2.5L
¶610789161
IDC Error ellipse: s-maj=40.5km s-min=23.5km az=172.0.
IDC VI 20 14 43 25.4–6.3 27.42S 23.36E 0 2.0,1.1L
¶610789163
IDC Error ellipse: s-maj=47.9km s-min=39.9km az=35.0.
BUL VI 26 14 19 04.0–.65 26.59S 30.42E 10 3.4
¶614438550
BUL Error ellipse: s-maj=5.2km s-min=5.1km az=-1.0.
IDC VI 28 11 38 26.3–7.1 27.42S 23.30E 0 2.3,1.6L
¶610789641
IDC Error ellipse: s-maj=48.0km s-min=42.2km az=34.0.
ISC VI 28 14 30 55.0–1.1 25.99S–.07 28.70E–.06 9 10 3-12
IDC VI 28 14 31 01.9–7.8 26.54S 28.68E 0 2.6,2.2L ¶610789645
BUL VI 28 14 31 05.7–.35 26.07S 28.58E 10–5 3.5,2.2L
ISC Event type ke.
IDC Error ellipse: s-maj=69.1km s-min=52.1km az=145.0.
BUL Error ellipse: s-maj=2.9km s-min=1.7km az=-1.0.
ISC VI 28 15 30 43.0–1.7 26.67S–.10 29.8E–.10 10 11 3-13
IDC VI 28 15 30 46.4–8.2 26.17S 29.01E 0 2.9,2.0L ¶610789647
BUL VI 28 15 30 49.5–2.0 26.56S 29.63E 28–27 3.2,2.0L
ISC Event type ke.
IDC Error ellipse: s-maj=78.1km s-min=54.5km az=143.0.
BUL Error ellipse: s-maj=12.8km s-min=12.7km az=-1.0.
ISC VI 28 15 53 26.4–1.5 26.11S–.04 25.33E–.09 0–12 19 1-10
PRE VI 28 15 53 25.5–1.2 26.13S 25.30E 5 2.0L ¶610789650
IDC VI 28 15 53 29.8–6.5 26.14S 25.34E 0 2.5,2.2L
ISC Event type ke.
PRE Error ellipse: s-maj=2.5km s-min=6.0km az=-1.0.
IDC Error ellipse: s-maj=43.5km s-min=42.7km az=87.0.
IDC VI 29 11 33 27.6–8.3 28.05S 23.29E 0
¶610789718
IDC Error ellipse: s-maj=46.8km s-min=37.2km az=109.0.
ISC VI 29 14 05 31.5–1.8 26.5S–.10 29.30E–.09 10 7 4-13
BUL VI 29 14 05 36.1–1.3 26.24S 29.07E 10 3.4 ¶610789724
IDC VI 29 14 05 48.1–8.5 27.27S 28.97E 0 2.7,2.5L
ISC Event type ke.
BUL Error ellipse: s-maj=9.3km s-min=5.3km az=-1.0.
IDC Error ellipse: s-maj=73.8km s-min=54.3km az=157.0.
ISC VI 29 14 15 52.1–1.4 27.87S–.07 22.65E–.09 10 9 2-10
IDC VI 29 14 15 59.5–4.4 27.80S 23.10E 0 3.0,2.3L ¶610789725
ISC Event type ke.
IDC Error ellipse: s-maj=38.8km s-min=21.9km az=166.0.
ISC VI 29 15 14 41.9–3.7 27.73S–.07 23.5E–.20 10 8 2-10
IDC VI 29 15 14 36.6–6.0 27.75S 23.11E 0 2.6,2.6L ¶610789728
ISC Event type ke.
IDC Error ellipse: s-maj=39.2km s-min=36.9km az=116.0.
IDC VI 30 12 04 08.0–6.5 28.46S 23.08E 0
¶610789785
IDC Error ellipse: s-maj=38.5km s-min=38.5km az=117.0.
IDC VI 30 12 26 52.7–5.9 28.40S 22.98E 0 2.2,2.1L
¶610789787
IDC Error ellipse: s-maj=40.7km s-min=38.3km az=6.0.
ISC VI 30 15 11 46.8–1.6 26.17S–.09 29.25E–.08 3 8 3-13
BUL VI 30 15 11 56.1–1.3 26.38S 29.36E 31–18 3.2 ¶610789796
IDC VI 30 15 12 07.5–8.4 26.47S 28.36E 0 2.5,2.3L
ISC Event type ke.
BUL Error ellipse: s-maj=8.7km s-min=7.5km az=-1.0.
IDC Error ellipse: s-maj=75.9km s-min=53.2km az=141.0.

(744) Mauritania.

ISC I 26 18 01 24.6–1.5 22.9N–.10 11.7W–.20 10 3.7b 13 16-148
IDC I 26 18 01 23.6–1.8 22.86N 11.56W 0 3.7,3.7b ¶610235403
ISC Event type ke.
IDC Error ellipse: s-maj=47.6km s-min=18.7km az=77.0.

IDC II 07 18 17 25.3–3.3 22.75N 12.01W 0 3.6,3.6L ¶610415058
IDC Error ellipse: s-maj=119.9km s-min=44.9km az=76.0.
ISC II 09 17 22 41.9–2.8 22.9N–.30 11.6W–.40 10 3.8b 7 16-148
IDC II 09 17 22 40.7–2.7 22.91N 11.56W 0 3.8b,3.7 ¶610415186
ISC Event type ke.
IDC Error ellipse: s-maj=79.5km s-min=36.1km az=75.0.
ISC III 03 19 04 00.5–1.3 22.4N–.10 12.0W–.20 10 3.8b 11 9-149
IDC III 03 19 04 00.6–1.6 22.79N 12.20W 0 3.8L,3.7 ¶610545469
ISC Event type ke.
IDC Error ellipse: s-maj=43.9km s-min=27.0km az=65.0.
IDC III 14 16 17 41.0–3.3 22.32N 12.34W 0 3.8,3.7L ¶610546209
IDC Error ellipse: s-maj=153.5km s-min=57.8km az=61.0.
ISC III 17 17 41 06.2–2.1 22.7N–.20 12.1W–.40 10 3.8b 9 16-149
IDC III 17 17 41 05.9–2.4 22.84N 11.95W 0 3.9,3.9b ¶610546399
ISC Event type ke.
IDC Error ellipse: s-maj=74.3km s-min=29.3km az=85.0.
ISC III 29 00 08 53.9–.72 16.15N–.09 11.61W–.07 10 3.4b 13 5-147
IDC III 29 00 08 54.0–1.2 16.38N 11.70W 0 4.0L,3.9 ¶610543881
ISC Event type ke.
IDC Error ellipse: s-maj=29.9km s-min=26.2km az=100.0.
IDC IV 09 18 34 01.6–4.1 22.66N 11.81W 0 3.6L,3.5 ¶610652318
IDC Error ellipse: s-maj=118.9km s-min=38.2km az=83.0.
IDC IV 27 07 49 47.5–14 22.08N 11.76W 0 3.8,3.6L ¶610650113
IDC Error ellipse: s-maj=172.1km s-min=105.4km az=173.0.
ISC IV 27 12 45 23.9–1.7 22.6N–.20 11.9W–.30 10 4.0b 10 13-149
IDC IV 27 12 45 24.0–2.5 22.70N 11.60W 0 4.1b,4.0 ¶610650135
ISC Event type ke.
IDC Error ellipse: s-maj=74.1km s-min=30.2km az=81.0.
IDC IV 28 09 04 52.9–2.8 22.78N 11.39W 0 3.7,3.5L ¶610650207
IDC Error ellipse: s-maj=119.6km s-min=48.6km az=57.0.
ISC V 14 16 58 55.3–1.8 22.8N–.10 11.8W–.30 10 3.9b 14 11-148
IDC V 14 16 58 54.6–2.0 22.87N 11.67W 0 4.0L,3.9 ¶610690288
ISC Event type ke.
IDC Error ellipse: s-maj=55.2km s-min=19.3km az=70.0.
ISC V 20 14 19 34.1–2.5 22.7N–.30 11.5W–.40 10 3.9b 7 16-148
IDC V 20 14 19 33.4–3.2 22.96N 11.64W 0 4.0b,3.8 ¶610685032
ISC Event type ke.
IDC Error ellipse: s-maj=111.1km s-min=44.8km az=81.0.
ISC VI 05 14 44 33.2–2.2 22.8N–.20 11.3W–.30 10 7 11-148
IDC VI 05 14 44 28.9–2.6 22.68N 11.63W 0 4.4L,3.8 ¶610791285
ISC Event type ke.
IDC Error ellipse: s-maj=79.7km s-min=26.5km az=60.0.
ISC VI 15 13 10 40.3–2.1 23.0N–.30 11.2W–.40 10 7 11-148
IDC VI 15 13 10 35.0–3.1 22.84N 11.93W 0 3.7b,3.6 ¶610791941
ISC Event type ke.
IDC Error ellipse: s-maj=107.1km s-min=42.7km az=64.0.
IDC VI 30 15 37 26.1–3.9 22.44N 12.84W 0 3.3L,3.2 ¶610789799
IDC Error ellipse: s-maj=217.4km s-min=79.3km az=37.0.

(747) Guinea region.

IDC III 17 00 04 56.6–3.6 8.92N 9.46W 0 3.6b,3.5s ¶610546345
IDC Error ellipse: s-maj=49.9km s-min=24.8km az=38.0.
IDC IV 12 06 36 05.6–2.0 10.57N 12.07W 0 4.1,3.8L ¶610652521
IDC Error ellipse: s-maj=52.8km s-min=17.5km az=31.0.
IDC IV 12 08 35 43.5–1.7 10.51N 12.06W 0 4.0,3.8L ¶610652537
IDC Error ellipse: s-maj=52.5km s-min=18.8km az=30.0.
IDC V 05 03 30 39.2–1.7 10.67N 11.98W 0 3.9,3.7L ¶610689581
IDC Error ellipse: s-maj=55.9km s-min=18.4km az=30.0.

(754) Niger.

ISC I 18 21 48 21.1–.40 19.59N–.06 10.60E–.07 10 4.3b,3.8s 111 11-99
IDC I 18 21 48 19.4–.62 19.60N 10.61E 0 4.2,4.2b ¶610101658
NEIC I 18 21 48 22.1–1.6 19.61N–.09 10.7E–.10 10–1 4.6b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

SEISMIC REGION 38. Australia.

(588) Northwest of Australia.

IDC I 21 06 53 54.2–4.9 12.12S 115.22E 0 3.2b,3.1 ¶610234981
IDC Error ellipse: s-maj=278.2km s-min=27.8km az=44.0.
IDC III 07 20 23 01.0–3.2 13.72S 123.27E 0 3.6L,3.4 ¶610545755
IDC Error ellipse: s-maj=201.4km s-min=33.5km az=45.0.

(590) Western Australia.

ISC I 03 15 30 18.2–1.5 30.62S–.04 118.48E–.03 4–10 4.2b 116 1-144
IDC I 03 15 30 17.7–.83 30.58S 118.74E 0 4.7L,4.1 ¶609967135
AUST I 03 15 30 18.1–2.2 30.62S 118.48E 3–18 4.7L,4.1
NOU I 03 15 30 19.3 30.59S 118.51E 0 4.6b,4.1
CUPWA I 03 15 30 20.6–1.8 30.64S 118.43E 2–16 4.2L,4.1
NEIC I 03 15 30 20.1–1.6 30.60S–.07 118.47E–.08 15–5 4.2L,4.1
ISC Event type se.
NOU Western Australia.
CUPWA Region: WESTERN AUSTRALIA.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 03 16 32 20.0–.90 30.62S–.05 118.43E–.05 13 41 1-20
AUST I 03 16 32 20.3–.85 30.67S 118.44E 10 ¶610236569
NOU I 03 16 32 20.4 30.60S 118.45E 0 4.1
CUPWA I 03 16 32 22.0–3.9 30.64S 118.39E 1–31 3.2L
IDC I 03 16 32 31.1–9.8 30.09S 119.79E 0 3.9,3.8L
ISC Event type ke.
AUST Error ellipse: s-maj=12.8km s-min=8.0km az=149.0.
NOU Western Australia.
CUPWA Region: WESTERN AUSTRALIA.
IDC Error ellipse: s-maj=121.3km s-min=64.2km az=109.0.
ISC I 03 17 45 03.9–1.5 30.62S–.04 118.46E–.05 13–11 35 1-10
AUST I 03 17 45 04.8–.99 30.66S 118.37E 10 ¶610414441
CUPWA I 03 17 45 05.7–7.8 30.65S 118.41E 2–52
ISC Event type ke.
AUST Error ellipse: s-maj=11.4km s-min=9.2km az=138.0.
CUPWA Region: WESTERN AUSTRALIA.
ISC I 03 18 00 13.3–.90 30.63S–.05 118.46E–.06 13 28 1-79
IDC I 03 18 00 11.3–1.8 31.01S 119.09E 0 3.5L,3.4 ¶610236571
AUST I 03 18 00 13.7–.93 30.63S 118.40E 10 3.5L,3.4
NOU I 03 18 00 13.0 30.65S 118.43E 0 3.5,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=73.0km s-min=17.0km az=130.0.
AUST Error ellipse: s-maj=10.9km s-min=9.2km az=143.0.
NOU Western Australia.
ISC I 03 20 44 37.7–.93 30.63S–.04 118.47E–.04 13 33 1-10
AUST I 03 20 44 37.8–.82 30.66S 118.41E 10 ¶610414444
CUPWA I 03 20 44 38.6–6.0 30.65S 118.43E 2–25
ISC Event type ke.
AUST Error ellipse: s-maj=9.8km s-min=7.7km az=162.0.
CUPWA Region: WESTERN AUSTRALIA.
ISC I 03 20 57 19.1–1.0 30.64S–.05 118.43E–.06 13 27 1-15
NOU I 03 20 57 18.8 30.63S 118.44E 0 3.5 ¶610414445
AUST I 03 20 57 19.5–.85 30.66S 118.38E 10 3.5
ISC Event type ke.
NOU Western Australia.
AUST Error ellipse: s-maj=10.5km s-min=8.2km az=150.0.
ISC I 04 00 35 09.4–.98 30.66S–.05 118.44E–.04 13 27 1-10
AUST I 04 00 35 09.7–1.0 30.70S 118.42E 10 ¶610414447
CUPWA I 04 00 35 11.0–4.0 30.68S 118.41E 2–41
ISC Event type ke.
AUST Error ellipse: s-maj=14.0km s-min=8.2km az=156.0.
CUPWA Region: WESTERN AUSTRALIA.
ISC I 05 17 15 11.8–.91 30.64S–.04 118.45E–.04 13 41 1-10
NOU I 05 17 15 12.7 30.69S 118.44E 0 3.6 ¶610414474
AUST I 05 17 15 13.6–1.8 30.72S 118.35E 10 3.6
CUPWA I 05 17 15 14.9–10 30.67S 118.36E 2–65 3.6
ISC Event type ke.
NOU Western Australia.
AUST Error ellipse: s-maj=16.7km s-min=15.0km az=122.0.
CUPWA Region: WESTERN AUSTRALIA.
ISC I 06 08 20 05.4–1.4 30.62S–.04 118.42E–.03 8–11 34 1-10
CUPWA I 06 08 20 07.7–8.9 30.67S 118.38E 2–40 ¶610414478
AUST I 06 08 20 08.0–1.4 30.67S 118.22E 10
ISC Event type ke.
CUPWA Region: WESTERN AUSTRALIA.
AUST Error ellipse: s-maj=13.6km s-min=10.8km az=91.0.
ISC I 06 11 51 41.3–1.4 30.63S–.03 118.47E–.03 7–11 54 1-15
AUST I 06 11 51 42.8–.32 30.63S 118.39E 10 ¶610414479
NOU I 06 11 51 43.0 30.73S 118.47E 1 3.5
CUPWA I 06 11 51 44.0–3.5 30.65S 118.39E 2–13 3.5
ISC Event type ke.
AUST Error ellipse: s-maj=3.5km s-min=3.0km az=157.0.
NOU Western Australia.
CUPWA Region: WESTERN AUSTRALIA.
ISC I 06 16 34 11.7–1.5 30.63S–.04 118.43E–.04 7–12 37 1-10
AUST I 06 16 34 12.8–.34 30.65S 118.36E 10 ¶610414482
CUPWA I 06 16 34 14.6–3.0 30.70S 118.40E 2–32
ISC Event type ke.
AUST Error ellipse: s-maj=4.1km s-min=3.0km az=125.0.
CUPWA Region: WESTERN AUSTRALIA.
ISC I 06 18 23 57.4–3.2 30.64S–.04 118.43E–.04 12–24 44 1-10
AUST I 06 18 23 56.8–.38 30.65S 118.41E 10 ¶610414483
NOU I 06 18 23 57.7 30.64S 118.41E 0 3.5
CUPWA I 06 18 23 58.5–3.4 30.66S 118.41E 2–14 3.5
ISC Event type ke.
AUST Error ellipse: s-maj=5.1km s-min=3.6km az=176.0.
NOU Western Australia.
CUPWA Region: WESTERN AUSTRALIA.
ISC I 06 20 13 29.0–1.6 30.64S–.04 118.43E–.04 7–12 38 1-10
CUPWA I 06 20 13 30.8–2.7 30.63S 118.41E 2–22 ¶610414484
AUST I 06 20 13 30.1–.39 30.68S 118.34E 10
ISC Event type ke.
CUPWA Region: WESTERN AUSTRALIA.
AUST Error ellipse: s-maj=4.0km s-min=3.6km az=114.0.
ISC I 06 20 21 40.7–1.7 30.72S–.05 118.52E–.04 9–14 22 1-10
NOU I 06 20 21 43.6 30.68S 118.43E 0 3.5 ¶610414485
AUST I 06 20 21 43.1–1.1 30.66S 118.40E 10 3.5
ISC Event type ke.
NOU Western Australia.
AUST Error ellipse: s-maj=11.7km s-min=9.6km az=152.0.
ISC I 06 21 19 45.3–1.6 30.66S–.04 118.44E–.04 20–9 40 1-8
AUST I 06 21 19 45.8–1.3 30.73S 118.39E 10 ¶610414490
CUPWA I 06 21 19 46.2–4.9 30.68S 118.45E 2–25
ISC Event type ke.
AUST Error ellipse: s-maj=17.0km s-min=11.2km az=145.0.
CUPWA Region: WESTERN AUSTRALIA.
ISC I 08 01 15 59.5–.86 30.63S–.04 118.46E–.05 13 29 1-15
NOU I 08 01 15 59.9 30.65S 118.43E 0 3.6 ¶610049688
AUST I 08 01 15 59.9–.68 30.65S 118.42E 10 3.6
ISC Event type ke.
NOU Western Australia.
AUST Error ellipse: s-maj=7.8km s-min=6.6km az=141.0.
AUST I 14 08 58 01.9–2.7 32.72S 116.46E 3–24 ¶610414519
AUST Error ellipse: s-maj=31.9km s-min=15.3km az=69.0.
AUST I 14 23 58 25.9–1.7 30.70S 118.30E 10 ¶610414525
AUST Error ellipse: s-maj=19.2km s-min=14.8km az=119.0.
ISC I 15 07 16 50.2–.81 23.73S–.06 115.20E–.07 10 40 1-18
NOU I 15 07 16 51.4 23.77S 115.18E 0 4.2b ¶610094933
AUST I 15 07 16 51.0–.89 23.67S 115.15E 10 4.2b
ISC Event type ke.
NOU Western Australia.
AUST Error ellipse: s-maj=10.8km s-min=8.7km az=86.0.
ISC II 26 17 41 18.2–1.7 24.87S–.06 113.3E–.10 10 28 2-20
NOU II 26 17 41 13.4 24.79S 112.66E 0 4.5 ¶610784883
AUST II 26 17 41 15.2–2.6 24.78S 112.88E 10 4.5
ISC Event type ke.
NOU Western Australia.
AUST Error ellipse: s-maj=31.7km s-min=12.2km az=90.0.
ISC III 05 04 58 29.9–.99 15.47S–.09 123.92E–.08 10 24 3-17
AUST III 05 04 58 29.6–1.5 15.49S 123.88E 10 ¶610245375
NOU III 05 04 58 32.3 15.50S 123.88E 28 4.1b
ISC Event type ke.
AUST Error ellipse: s-maj=19.8km s-min=12.2km az=151.0.
NOU Western Australia.
ISC III 19 09 20 06.8–.70 30.38S–.03 117.81E–.03 10 47 1-16
NOU III 19 09 20 06.8 30.40S 117.97E 0 3.8 ¶610784913
AUST III 19 09 20 07.7–.91 30.42S 117.79E 10 3.8
CUPWA III 19 09 20 09.1–.89 30.42S 117.76E 1–14 3.0L
ISC Event type ke.
NOU Western Australia.
AUST Error ellipse: s-maj=9.4km s-min=8.8km az=156.0.
CUPWA Region: WESTERN AUSTRALIA.
ISC III 26 20 00 02.9–.60 31.54S–.06 122.91E–.04 10 88 1-86
IDC III 26 20 00 00.5–2.0 31.79S 123.11E 0 3.8,3.8L ¶610435242
NOU III 26 20 00 02.6 31.55S 122.91E 0 4.2b,3.8L
AUST III 26 20 00 03.5–.64 31.62S 122.89E 10 4.2b,3.8L
NEIC III 26 20 00 04.1–1.4 31.51S–.09 122.88E–.06 15–6 4.1b,3.8L
ISC Event type se.
NOU Western Australia.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 31 16 04 11.9–.97 33.10S–.06 121.13E–.05 10 35 2-14
AUST III 31 16 04 12.9–.51 33.08S 121.12E 10 ¶610784938
NOU III 31 16 04 13.0 33.22S 121.24E 0 4.3
ISC Event type ke.
AUST Error ellipse: s-maj=7.1km s-min=3.8km az=154.0.
NOU Western Australia.
ISC IV 04 03 55 52.7–.52 25.89S–.05 128.91E–.04 10 3.7b 96 1-129
IDC IV 04 03 55 52.2–1.1 26.03S 128.96E 0 4.1,3.9L ¶610476808
AUST IV 04 03 55 53.8–.60 25.91S 128.84E 10 4.1,3.9L
NOU IV 04 03 55 54.1 25.98S 128.81E 10 4.7b,3.9L
NEIC IV 04 03 55 54.3–2.0 25.93S–.07 128.86E–.09 14–6 4.4b,3.9L
ISC Event type se.
NOU Western Australia.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 07 06 59 48.8–1.6 32.76S–.04 116.38E–.07 3–16 14 1-2
NOU IV 07 06 59 47.9 32.83S 116.28E 0 2.9 ¶610784952
AUST IV 07 06 59 50.4–.00 32.72S 116.34E 0 2.9
ISC Event type ke.

NOU Western Australia.
AUST Error ellipse: s-maj=0.2km s-min=0.1km az=255.0.
ISC IV 18 08 26 13.3–.83 31.56S–.02 117.12E–.03 17–6 53 0-19
AUST IV 18 08 26 13.4–.72 31.61S 117.10E 10 ¶610784982
NOU IV 18 08 26 14.9 31.54S 117.20E 10 3.8
CUPWA IV 18 08 26 15.2–.45 31.62S 117.09E 6–7 3.0L
ISC Event type ke.
AUST Error ellipse: s-maj=8.5km s-min=6.6km az=162.0.
NOU Western Australia.
CUPWA Region: WESTERN AUSTRALIA.
ISC V 07 13 46 17.2–2.5 34.15S–.08 118.7E–.10 10 19 1-3
CUPWA V 07 13 46 20.0–4.8 34.09S 118.60E 2–15 2.0L ¶610785035
AUST V 07 13 46 21.3–6.7 33.97S 118.37E 10 2.0L
ISC Event type ke.
CUPWA Region: WESTERN AUSTRALIA.
AUST Error ellipse: s-maj=80.9km s-min=16.7km az=113.0.
ISC V 15 19 12 39.2–.66 27.26S–.05 123.74E–.05 10 67 4-83
IDC V 15 19 12 39.9–1.9 27.30S 123.82E 0 4.2L,4.1 ¶610639873
NOU V 15 19 12 41.7 27.22S 123.75E 10 4.4b,4.1
AUST V 15 19 12 42.5–.95 27.17S 123.59E 10 4.4b,4.1
ISC Event type ke.
IDC Error ellipse: s-maj=41.7km s-min=26.9km az=167.0.
NOU Western Australia.
AUST Error ellipse: s-maj=15.5km s-min=10.2km az=161.0.
ISC VI 05 09 11 03.2–.00 30.78S–.03 118.03E–.03 14–9 33 0-14
AUST VI 05 09 11 02.6–2.1 30.78S 118.03E 0–15 ¶610929506
NOU VI 05 09 11 03.0 30.79S 118.05E 0 3.6
CUPWA VI 05 09 11 04.3–44 30.79S 118.03E 5–225 2.9L
ISC Event type ke.
AUST Error ellipse: s-maj=13.1km s-min=11.2km az=76.0.
NOU Western Australia.
CUPWA Region: WESTERN AUSTRALIA.
ISC VI 09 17 16 12.4–.59 22.25S–.05 121.20E–.04 10 4.7b 69 1-23
IDC VI 09 17 16 10.9–6.2 22.03S 120.97E 0 3.9,3.5L ¶610669005
AUST VI 09 17 16 15.0–.75 22.32S 121.14E 10 3.9,3.5L
NEIC VI 09 17 16 14.2–2.1 22.29S–.07 121.20E–.06 10–2 4.5b,3.5L
NOU VI 09 17 16 16.1 22.26S 121.11E 15 4.7,3.5L
ISC Event type se.
IDC Error ellipse: s-maj=91.9km s-min=34.5km az=152.0.
AUST Error ellipse: s-maj=10.4km s-min=8.8km az=170.0.
NEIC Event type se. Error ellipse: s-maj=12.2km s-min=8.8km az=165.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NOU Western Australia.

(591) Northern Territory.

ISC I 05 16 52 12.9–.77 19.83S–.05 133.95E–.05 12 33 0-14
NOU I 05 16 52 10.9 19.56S 133.98E 0 4.1b ¶610414473
AUST I 05 16 52 13.9–1.0 19.84S 133.98E 10 4.1b
IDC I 05 16 52 15.7–3.0 20.03S 134.16E 0 3.6,3.3L
ISC Event type ke.
NOU Northern Territory, Australia.
AUST Error ellipse: s-maj=12.7km s-min=10.5km az=42.0.
IDC Error ellipse: s-maj=39.2km s-min=12.3km az=123.0.
ISC I 16 08 33 53.7–.72 19.94S–.05 134.00E–.05 12 46 0-14
AUST I 16 08 33 53.9–.66 19.81S 134.05E 10 ¶610414534
NOU I 16 08 33 54.2 19.92S 134.03E 0 4.4
ISC Event type ke.
AUST Error ellipse: s-maj=9.6km s-min=6.3km az=48.0.
NOU Northern Territory, Australia.
NOU II 01 20 21 54.5 25.60S 129.89E 0 3.8
¶612488612
NOU Northern Territory, Australia.
IDC II 11 09 36 19.3–2.0 19.90S 134.05E 0 3.3,3.2L
¶610415306
IDC Error ellipse: s-maj=11.3km s-min=3.0km az=101.0.
ISC II 12 09 19 09.1–.87 26.00S–.05 131.98E–.05 10 16 3-10
AUST II 12 09 19 10.3–1.4 26.10S 131.95E 10 ¶610415366
IDC II 12 09 19 14.3–5.0 25.76S 131.94E 0 3.0,2.9L
ISC Event type ke.
AUST Error ellipse: s-maj=18.7km s-min=11.3km az=119.0.
IDC Error ellipse: s-maj=49.7km s-min=27.8km az=66.0.
ISC II 22 14 45 51.8–.60 25.53S–.05 129.86E–.04 10 67 1-20
AUST II 22 14 45 53.0–.55 25.53S 129.86E 10 ¶610790834
NOU II 22 14 45 52.3 25.54S 129.84E 0 3.9b
IDC II 22 14 45 53.5–4.6 25.53S 130.01E 0 3.8,3.8L
ISC Event type ke.
AUST Error ellipse: s-maj=7.8km s-min=6.3km az=24.0.
NOU Northern Territory, Australia.
IDC Error ellipse: s-maj=38.0km s-min=26.3km az=86.0.
ISC III 22 00 36 07.7–1.1 25.95S–.06 137.42E–.07 8 20 2-10
IDC III 22 00 36 07.7–2.9 25.86S 137.37E 0 2.6,2.4L ¶610543433
AUST III 22 00 36 08.8–.84 25.87S 137.44E 10 2.6,2.4L
ISC Event type ke.
IDC Error ellipse: s-maj=35.9km s-min=20.5km az=50.0.
AUST Error ellipse: s-maj=12.8km s-min=7.7km az=73.0.
ISC IV 04 10 10 05.4–.71 25.53S–.05 129.75E–.04 10 34 1-13
AUST IV 04 10 10 06.5–.57 25.49S 129.85E 10 ¶610651904
IDC IV 04 10 10 07.9–4.8 25.75S 130.28E 0 3.4,3.4L
ISC Event type ke.
AUST Error ellipse: s-maj=6.7km s-min=6.4km az=47.0.
IDC Error ellipse: s-maj=41.4km s-min=24.9km az=74.0.
ISC IV 07 08 28 39.5–.77 19.89S–.05 133.93E–.06 12 24 0-81
IDC IV 07 08 28 38.7–1.6 19.91S 133.84E 0 3.5,3.5b ¶610652134
AUST IV 07 08 28 40.2–.88 19.85S 133.94E 10 3.5,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=10.4km s-min=4.5km az=95.0.
AUST Error ellipse: s-maj=13.9km s-min=7.9km az=17.0.
ISC IV 13 17 01 20.3–.39 25.63S–.05 129.89E–.04 10 4.5b 156 2-147
NOU IV 13 17 01 18.4 25.63S 129.78E 0 4.8b ¶610527441
AUST IV 13 17 01 19.4–.37 25.68S 129.82E 10 4.8b
IDC IV 13 17 01 19.5–.68 25.72S 129.86E 0 4.7L,4.5
NEIC IV 13 17 01 21.5–1.6 25.61S–.03 129.92E–.09 11–4 4.5b,4.5
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s167.94421°,δ53.77259°,λ142.24683°. NP2: ϕ_s282.53528°,δ60.40294°,λ42.81830°. Principal axes: T Plg50.0971°,Azm138.5814° ; N Plg39.6283°,Azm310.5938°; P Plg3.9368°,Azm43.8607°
NOU Northern Territory, Australia.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IV 20 13 07 54.8–2.5 15.57S 137.12E 0 3.4b,2.9
¶610653116
IDC Error ellipse: s-maj=43.7km s-min=20.3km az=103.0.
ISC V 15 22 57 48.5–.76 25.12S–.06 129.91E–.04 10 24 1-10
NOU V 15 22 57 49.1 25.06S 129.94E 0 4.2 ¶610785061
AUST V 15 22 57 49.3–.86 25.13S 129.95E 10 4.2
ISC Event type ke.
NOU Northern Territory, Australia.
AUST Error ellipse: s-maj=10.0km s-min=8.7km az=174.0.
ISC V 23 20 22 21.8–.86 19.86S–.06 133.96E–.06 12 24 0-12
AUST V 23 20 22 21.8–.81 19.87S 133.97E 10 ¶610785100
NOU V 23 20 22 22.1 19.90S 133.93E 0 3.7b
ISC Event type ke.
AUST Error ellipse: s-maj=10.4km s-min=7.6km az=13.0.
NOU Northern Territory, Australia.
ISC V 28 16 50 23.7–.48 19.86S–.04 133.92E–.04 12 4.1b 101 0-85
IDC V 28 16 50 22.9–.95 19.92S 133.81E 0 4.0,4.0b ¶610655212
NOU V 28 16 50 22.9 19.93S 133.86E 0 4.3b,4.0b
AUST V 28 16 50 23.6–.63 19.84S 133.96E 10 4.3b,4.0b
NEIC V 28 16 50 23.9–2.1 19.87S–.07 133.93E–.04 6–5 4.3b,4.0b
ISC Event type se.
NOU Northern Territory, Australia.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 07 09 46 42.2–.72 19.87S–.05 133.99E–.05 12 43 0-14
IDC VI 07 09 46 42.4–2.1 19.96S 133.98E 0 3.9L,3.7 ¶610791400
NOU VI 07 09 46 42.4 19.85S 133.99E 0 3.9b,3.7
AUST VI 07 09 46 42.1–.59 19.84S 134.04E 10 3.9b,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=12.3km s-min=5.1km az=93.0.
NOU Northern Territory, Australia.
AUST Error ellipse: s-maj=7.9km s-min=5.5km az=23.0.
ISC VI 12 09 11 34.1–.87 25.88S–.05 137.72E–.05 10 21 3-10
IDC VI 12 09 11 33.3–2.3 25.88S 137.81E 0 2.6,2.1L ¶610791712
AUST VI 12 09 11 37.5–1.3 25.83S 137.63E 10 2.6,2.1L
ISC Event type ke.
IDC Error ellipse: s-maj=37.9km s-min=15.0km az=53.0.
AUST Error ellipse: s-maj=16.7km s-min=10.7km az=37.0.
IDC VI 22 08 18 46.6–4.9 21.95S 130.23E 0 2.7,2.7L
¶610789258
IDC Error ellipse: s-maj=37.4km s-min=25.2km az=88.0.

(592) South Australia.

ISC I 24 16 16 59.9–.89 31.67S–.05 138.55E–.04 14 22 1-12
IDC I 24 16 16 59.4–4.6 31.50S 138.62E 0 2.9,2.6L ¶610235272
AUST I 24 16 17 00.0–.82 31.69S 138.54E 10 2.9,2.6L
ISC Event type ke.
IDC Error ellipse: s-maj=79.1km s-min=18.3km az=28.0.
AUST Error ellipse: s-maj=9.9km s-min=8.1km az=28.0.
IDC II 16 09 35 42.4–2.8 27.62S 136.98E 0 2.6,2.3L
¶610415623
IDC Error ellipse: s-maj=66.6km s-min=23.6km az=55.0.
ISC II 28 00 30 14.2–1.6 31.80S–.04 138.65E–.04 12–13 27 1-12
IDC II 28 00 30 14.1–4.8 31.53S 138.74E 0 2.8,2.8L ¶610385164
AUST II 28 00 30 15.1–.78 31.79S 138.62E 10 2.8,2.8L
NOU II 28 00 30 15.0 31.78S 138.59E 0 3.2,2.8L
ISC Event type ke.
IDC Error ellipse: s-maj=82.1km s-min=22.4km az=37.0.
AUST Error ellipse: s-maj=9.3km s-min=8.8km az=40.0.
NOU South Australia.
ISC III 06 06 31 34.7–.95 31.48S–.05 138.60E–.06 14 16 1-12
AUST III 06 06 31 34.6–.94 31.50S 138.63E 10 ¶610545628
IDC III 06 06 31 38.0–4.9 31.05S 138.91E 0 2.8L,2.7
ISC Event type ke.
AUST Error ellipse: s-maj=16.5km s-min=9.1km az=74.0.
IDC Error ellipse: s-maj=116.9km s-min=24.8km az=39.0.
ISC III 14 19 57 09.9–.83 30.36S–.04 136.87E–.04 10 20 1-11
AUST III 14 19 57 12.2–1.9 30.43S 136.98E 10–12 ¶610546216
IDC III 14 19 57 12.2–3.9 29.92S 137.45E 0 2.8L,2.7
ISC Event type ke.
AUST Error ellipse: s-maj=8.7km s-min=7.8km az=31.0.
IDC Error ellipse: s-maj=80.3km s-min=17.4km az=44.0.
ISC III 26 07 53 53.3–.83 27.47S–.05 135.30E–.06 10 27 0-10
AUST III 26 07 53 53.9–.61 27.46S 135.27E 10 ¶610543708
IDC III 26 07 53 54.3–2.8 27.29S 135.45E 0 2.7,2.7L
ISC Event type ke.
AUST Error ellipse: s-maj=9.2km s-min=6.0km az=53.0.
IDC Error ellipse: s-maj=41.6km s-min=16.8km az=57.0.
ISC III 29 02 55 29.3–.75 28.28S–.05 136.17E–.05 10 42 1-12
NOU III 29 02 55 29.7 28.37S 136.06E 0 4.2 ¶610543894
IDC III 29 02 55 29.5–2.9 28.20S 136.13E 0 3.8,3.8L
AUST III 29 02 55 30.2–.63 28.28S 136.08E 10 3.8,3.8L
ISC Event type ke.
NOU South Australia.
IDC Error ellipse: s-maj=42.4km s-min=19.9km az=53.0.
AUST Error ellipse: s-maj=9.0km s-min=6.4km az=51.0.
ISC IV 25 09 30 30.8–1.5 31.16S–.05 138.87E–.05 28–16 44 1-18
IDC IV 25 09 30 30.0–3.1 30.68S 139.27E 0 3.6,3.5L ¶610649975
AUST IV 25 09 30 30.0–.31 31.18S 138.87E 10 3.6,3.5L
NOU IV 25 09 30 31.0 31.13S 138.92E 10 3.8,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=76.6km s-min=15.2km az=42.0.
AUST Error ellipse: s-maj=3.9km s-min=2.7km az=71.0.
NOU South Australia.
ISC IV 25 09 59 48.5–.78 31.24S–.04 138.92E–.04 10 30 1-12
AUST IV 25 09 59 50.3–.64 31.21S 138.88E 10 ¶610549164
IDC IV 25 09 59 50.2–3.9 30.82S 139.17E 0 3.0,2.8L
NOU IV 25 09 59 51.2 31.17S 138.91E 10 3.3,2.8L
ISC Event type ke.
AUST Error ellipse: s-maj=7.6km s-min=6.0km az=58.0.
IDC Error ellipse: s-maj=98.4km s-min=16.3km az=39.0.
NOU South Australia.
ISC VI 14 11 30 06.6–.95 31.33S–.07 138.69E–.05 10 16 3-12
AUST VI 14 11 30 08.4–.94 31.35S 138.62E 10 ¶610791862
IDC VI 14 11 30 08.1–4.9 30.90S 138.88E 0 2.7,2.2L
ISC Event type ke.
AUST Error ellipse: s-maj=13.2km s-min=8.7km az=18.0.
IDC Error ellipse: s-maj=120.8km s-min=22.9km az=41.0.
ISC VI 22 22 05 19.6–.88 31.57S–.05 138.67E–.05 14 32 2-12
AUST VI 22 22 05 19.6–.76 31.59S 138.68E 10 ¶610789298
IDC VI 22 22 05 20.1–4.3 31.18S 138.89E 0 3.0,2.9L
NOU VI 22 22 05 20.5 31.67S 138.66E 10 3.6,2.9L
ISC Event type ke.
AUST Error ellipse: s-maj=10.2km s-min=8.6km az=106.0.
IDC Error ellipse: s-maj=91.0km s-min=17.8km az=34.0.
NOU South Australia.

(594) Queensland.

IDC I 08 03 17 37.6–5.2 21.63S 147.83E 0 3.1,2.6L
¶610236937
IDC Error ellipse: s-maj=42.8km s-min=28.9km az=80.0.
IDC I 13 04 31 25.5–5.8 22.85S 148.35E 0 3.5L,3.4
¶610237275
IDC Error ellipse: s-maj=74.8km s-min=23.6km az=80.0.
ISC I 22 15 33 59.9–.85 27.97S–.06 142.56E–.05 10 25 2-11
IDC I 22 15 33 59.8–2.7 28.05S 142.49E 0 3.2,3.1L ¶610235120
AUST I 22 15 34 01.7–.96 28.10S 142.62E 10 3.2,3.1L
ISC Event type ke.
IDC Error ellipse: s-maj=47.8km s-min=20.8km az=92.0.
AUST Error ellipse: s-maj=14.2km s-min=9.4km az=144.0.
IDC I 27 04 29 33.6–5.1 22.50S 147.94E 0 3.1,3.0L
¶610235433
IDC Error ellipse: s-maj=63.2km s-min=18.3km az=87.0.
NOU II 05 04 38 58.2 22.44S 148.41E 0 3.8L
¶612488649
NOU Queensland, Australia.
IDC II 26 00 59 51.1–4.3 22.11S 148.00E 0 3.1,2.8L
¶610385029
IDC Error ellipse: s-maj=41.4km s-min=21.0km az=80.0.
IDC III 01 03 06 18.3–4.3 21.82S 148.35E 0 3.2,3.0L
¶610545284
IDC Error ellipse: s-maj=40.8km s-min=20.1km az=78.0.
IDC III 02 00 01 44.5–6.6 22.78S 148.19E 0 2.7,2.4L
¶610545355
IDC Error ellipse: s-maj=68.1km s-min=40.7km az=79.0.
NOU III 07 06 24 45.5 22.53S 148.24E 0 3.7
¶612489026
NOU Queensland, Australia.
IDC III 24 06 18 04.6–4.4 22.44S 148.04E 0 3.2,3.2L
¶610543577
IDC Error ellipse: s-maj=43.8km s-min=19.9km az=84.0.
IDC IV 14 05 46 51.5–7.1 21.90S 148.15E 0 2.9,2.4L
¶610652685

IDC Error ellipse: s-maj=65.9km s-min=37.8km az=126.0.
IDC IV 14 06 36 16.2–5.5 22.19S 148.38E 0 2.9,2.6L ¶610652690
IDC Error ellipse: s-maj=45.0km s-min=33.0km az=89.0.
IDC IV 22 03 53 41.7–8.6 21.99S 148.26E 0 2.9,2.6L ¶610653240
IDC Error ellipse: s-maj=104.4km s-min=65.2km az=177.0.
IDC V 13 06 06 21.9–8.7 21.82S 148.52E 0 3.0,2.6L ¶610690174
IDC Error ellipse: s-maj=112.3km s-min=65.3km az=176.0.
IDC V 14 01 03 08.2–5.3 22.34S 148.18E 0 3.1,2.9L ¶610690229
IDC Error ellipse: s-maj=43.1km s-min=29.2km az=96.0.
IDC VI 05 04 48 27.4–4.7 23.68S 148.59E 0 3.2,3.2L ¶610791266
IDC Error ellipse: s-maj=45.2km s-min=22.9km az=89.0.
IDC VI 19 05 21 30.8–2.8 21.90S 147.92E 0 3.4,3.0L ¶610792167
IDC Error ellipse: s-maj=46.1km s-min=23.3km az=56.0.

(600) Near coast of South Australia.

ISC I 10 14 44 34.8–1.3 32.26S–.04 138.10E–.04 17–10 29 1-14
AUST I 10 14 44 35.3–.24 32.28S 138.15E 10 ¶610237088
IDC I 10 14 44 38.0–4.4 31.76S 138.34E 0 3.6L,3.5
ISC Event type ke.
AUST Error ellipse: s-maj=2.9km s-min=2.4km az=100.0.
IDC Error ellipse: s-maj=58.7km s-min=15.2km az=31.0.
ISC I 30 02 33 08.7–.90 34.15S–.05 137.53E–.05 10 35 1-14
AUST I 30 02 33 09.4–.79 34.16S 137.63E 10 ¶610147703
NOU I 30 02 33 09.6 34.13S 137.58E 0 3.8
IDC I 30 02 33 12.3–6.4 33.61S 137.40E 0 4.0,3.6L
ISC Event type ke.
AUST Error ellipse: s-maj=10.5km s-min=6.5km az=45.0.
NOU Near Coast of South Australia.
IDC Error ellipse: s-maj=67.1km s-min=24.0km az=12.0.
ISC II 01 13 37 53.9–.82 35.10S–.05 139.22E–.05 10 44 1-55
NEIC II 01 13 37 54.8–2.5 35.06S–.10 139.20E–.05 10–2 3.9b,3.7L ¶610169724
AUST II 01 13 37 56.2–.52 35.10S 139.32E 10 3.9b,3.7L
IDC II 01 13 37 59.8–7.3 34.52S 138.82E 0 3.4L,3.3
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.6km s-min=6.0km az=195.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AUST Error ellipse: s-maj=8.3km s-min=4.6km az=31.0.
IDC Error ellipse: s-maj=74.3km s-min=32.0km az=166.0.
ISC II 05 14 41 00.6–1.1 33.78S–.03 138.95E–.04 13–8 28 0-14
AUST II 05 14 41 01.4–.53 33.80S 138.85E 10 ¶610414887
IDC II 05 14 41 09.1–6.3 32.90S 138.84E 0 2.9,2.7L
ISC Event type ke.
AUST Error ellipse: s-maj=6.6km s-min=4.7km az=74.0.
IDC Error ellipse: s-maj=69.0km s-min=22.1km az=9.0.
ISC II 10 01 53 57.6–1.1 35.18S–.06 138.50E–.05 10 29 0-10
NOU II 10 01 53 57.3 35.26S 138.45E 0 3.6 ¶610207654
AUST II 10 01 53 58.3–.98 35.14S 138.53E 10 3.6
ISC Event type ke.
NOU Near Coast of South Australia.
AUST Error ellipse: s-maj=11.7km s-min=8.6km az=78.0.
ISC II 12 21 40 30.7–.75 32.97S–.05 138.29E–.03 10 31 0-13
NOU II 12 21 40 31.8 32.94S 138.30E 0 3.3 ¶610208585
AUST II 12 21 40 31.9–.78 32.98S 138.31E 10 3.3
IDC II 12 21 40 33.6–5.6 32.60S 138.39E 0 3.1,2.8L
ISC Event type ke.
NOU Near Coast of South Australia.
AUST Error ellipse: s-maj=11.6km s-min=7.3km az=24.0.
IDC Error ellipse: s-maj=70.2km s-min=20.8km az=15.0.
ISC III 19 01 38 43.8–3.0 37.8S–.20 140.62E–.09 10 10 1-19
AUST III 19 01 38 41.5–9.0 38.08S 140.80E 10 ¶610546484
IDC III 19 01 38 49.8–7.6 37.30S 139.79E 0 3.1,3.1L
ISC Event type ke.
AUST Error ellipse: s-maj=101.8km s-min=24.6km az=161.0.
IDC Error ellipse: s-maj=92.1km s-min=45.8km az=127.0.
ISC IV 19 11 54 50.0–.92 33.74S–.05 136.43E–.04 10 20 1-14
IDC IV 19 11 54 49.5–8.9 33.75S 136.50E 0 2.8,2.5L ¶610653045
AUST IV 19 11 54 52.3–1.5 33.69S 136.41E 12–16 2.8,2.5L
ISC Event type ke.
IDC Error ellipse: s-maj=108.0km s-min=29.1km az=6.0.
AUST Error ellipse: s-maj=12.2km s-min=7.7km az=77.0.
ISC IV 24 07 37 24.4–1.2 32.44S–.03 138.36E–.04 32–8 75 1-21
IDC IV 24 07 37 22.9–4.9 32.24S 138.26E 0 3.8L,3.6 ¶610547658
AUST IV 24 07 37 23.8–.25 32.44S 138.40E 10 3.8L,3.6
NOU IV 24 07 37 24.9 32.53S 138.39E 10 4.2,3.6
NEIC IV 24 07 37 25.3–2.2 32.29S–.09 138.35E–.05 24–10 4.0b,3.6
ISC Event type ke.
NOU Near Coast of South Australia.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 26 09 02 37.5–.83 32.42S–.05 138.98E–.05 10 17 1-13
AUST IV 26 09 02 39.5–1.1 32.46S 138.82E 10 ¶610650044
IDC IV 26 09 02 40.9–5.5 31.90S 139.00E 0 2.8,2.7L
ISC Event type ke.
AUST Error ellipse: s-maj=15.9km s-min=9.0km az=88.0.
IDC Error ellipse: s-maj=87.5km s-min=18.1km az=23.0.
ISC V 31 07 47 32.1–.82 33.76S–.05 138.85E–.05 10 30 0-14
AUST V 31 07 47 32.5–1.1 33.81S 138.94E 0 ¶610656223
NOU V 31 07 47 32.7 33.80S 138.89E 0 3.6
IDC V 31 07 47 37.8–6.3 33.19S 138.73E 0 3.1,3.0L
ISC Event type ke.
AUST Error ellipse: s-maj=15.1km s-min=8.6km az=97.0.
NOU Near Coast of South Australia.
IDC Error ellipse: s-maj=67.6km s-min=23.2km az=5.0.
ISC VI 27 06 52 50.0–1.2 37.99S–.08 140.14E–.07 10 33 2-19
NOU VI 27 06 52 50.6 38.11S 140.11E 10 4.1 ¶610789554
IDC VI 27 06 52 50.4–8.9 37.92S 139.46E 0 3.7L,3.6
AUST VI 27 06 52 51.0–.93 38.03S 140.23E 10 3.7L,3.6
ISC Event type ke.
NOU Near Coast of South Australia.
IDC Error ellipse: s-maj=131.6km s-min=50.5km az=126.0.
AUST Error ellipse: s-maj=13.8km s-min=7.4km az=35.0.
IDC VI 30 14 33 35.1–643 33.50S 135.93E 0 ¶610789792
IDC Error ellipse: s-maj=303.6km s-min=153.9km az=94.0.

(601) New South Wales.

ISC IV 13 16 31 05.0–1.5 33.47S–.03 149.01E–.03 6–10 4.9b 118 1-144
AUST IV 13 16 31 04.7–.13 33.46S 148.96E 0 4.9b ¶610527445
NOU IV 13 16 31 05.5 33.45S 148.93E 0 4.9
IDC IV 13 16 31 05.5–2.1 33.41S 148.87E 0 4.1L,4.0
NEIC IV 13 16 31 06.4–2.5 33.53S–.05 148.96E–.06 15–5 4.2b,4.0
ISC Event type se.
NOU New South Wales, Australia.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC V 08 02 14 21.7–9.0 32.19S 149.73E 0 3.3,3.1L ¶610689771
IDC Error ellipse: s-maj=133.6km s-min=47.6km az=161.0.
ISC V 15 09 59 15.0–1.6 33.91S–.06 148.25E–.05 15–13 22 0-19
AUST V 15 09 59 15.6–2.6 33.92S 148.22E 10–9 ¶610690334
IDC V 15 09 59 21.4–14 33.18S 147.86E 0 3.0,2.8L
ISC Event type ke.
AUST Error ellipse: s-maj=20.9km s-min=10.0km az=113.0.
IDC Error ellipse: s-maj=175.0km s-min=87.4km az=156.0.
ISC V 15 10 22 44.5–.82 32.15S–.05 146.55E–.05 10 43 1-16
AUST V 15 10 22 44.3–.40 32.12S 146.57E 10 ¶610785059
NOU V 15 10 22 44.7 32.16S 146.57E 6 4.0
IDC V 15 10 22 49.0–8.5 31.80S 146.21E 0 2.9,2.8L
ISC Event type ke.
AUST Error ellipse: s-maj=6.6km s-min=4.0km az=44.0.
NOU New South Wales, Australia.
IDC Error ellipse: s-maj=103.3km s-min=41.6km az=154.0.
ISC VI 12 19 56 38.6–1.3 34.98S–.05 144.63E–.05 10 19 3-4
AUST VI 12 19 56 38.1–.40 34.96S 144.59E 10 ¶610929538
NOU VI 12 19 56 39.4 35.00S 144.64E 10 3.6
ISC Event type ke.
AUST Error ellipse: s-maj=4.9km s-min=4.4km az=129.0.
NOU New South Wales, Australia.
ISC VI 25 10 45 33.9–.87 32.28S–.03 150.96E–.07 10 26 1-5
AUST VI 25 10 45 34.1–.66 32.32S 150.86E 0 ¶610694604
NOU VI 25 10 45 35.5 32.37S 150.81E 0 3.4
ISC Event type ke.
AUST Error ellipse: s-maj=10.5km s-min=5.4km az=84.0.
NOU New South Wales, Australia.

(603) Near southeast coast of Australia.

ISC I 03 14 13 08.0–1.2 34.17S–.04 150.67E–.05 2–11 49 0-72
AUST I 03 14 13 07.8–.87 34.19S 150.72E 0–9 ¶609967131
NOU I 03 14 13 08.7 34.15S 150.71E 0 4.5
IDC I 03 14 13 10.3–5.0 33.88S 150.62E 0 3.6,3.6L
ISC Event type ke.
AUST Error ellipse: s-maj=11.4km s-min=4.0km az=111.0.
NOU Near SE Coast of Australia.
IDC Error ellipse: s-maj=138.4km s-min=42.6km az=5.0.
ISC I 31 19 40 17.7–1.6 38.45S–.06 146.29E–.04 26–15 31 1-21
NOU I 31 19 40 14.9 38.48S 146.31E 0 4.2 ¶610159381
AUST I 31 19 40 15.4–.62 38.45S 146.23E 10 4.2
IDC I 31 19 40 23.3–5.9 37.73S 146.26E 0 3.7L,3.6
ISC Event type ke.
NOU Near SE Coast of Australia.
AUST Error ellipse: s-maj=7.7km s-min=5.5km az=10.0.
IDC Error ellipse: s-maj=281.4km s-min=57.2km az=56.0.
ISC IV 19 08 55 49.0–.86 32.26S–.05 153.28E–.06 10 31 2-148
NEIC IV 19 08 55 50.2–1.8 32.31S–.03 153.16E–.10 10–2 3.9b,3.2L ¶610532812
IDC IV 19 08 55 52.0–2.8 32.63S 152.71E 0 3.3,3.2L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.4km s-min=4.4km az=74.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=80.5km s-min=36.1km az=10.0.
ISC V 13 17 43 12.2–1.2 38.22S–.06 146.27E–.05 10 27 1-7
NOU V 13 17 43 11.7 38.31S 146.31E 0 3.5 ¶610638454
AUST V 13 17 43 12.2–.50 38.19S 146.28E 10 3.5
ISC Event type ke.
NOU Near SE Coast of Australia.
AUST Error ellipse: s-maj=6.5km s-min=4.3km az=21.0.

SEISMIC REGION 39.
Pacific Basin.

(611) North Pacific Ocean.

ISC I 02 11 02 50.0–1.1 22.6N–.10 145.1E–.20 10 3.4b 7 5-86
IDC I 02 11 02 48.3–1.2 22.56N 145.18E 0 3.7L,3.5 ¶610236462
ISC Event type ke.
IDC Error ellipse: s-maj=46.2km s-min=24.7km az=93.0.
IDC V 31 20 54 36.0–6.4 22.51N 145.28E 0 3.7,3.7b ¶610685819
IDC Error ellipse: s-maj=419.4km s-min=36.2km az=89.0.
ISC VI 07 23 23 27.7–1.0 34.87N–.06 151.65W–.06 11–5 4.9b,3.7s 491 14-146
IDC VI 07 23 23 26.8–.69 34.96N 151.71W 0 4.5,4.5b ¶610667759
NEIC VI 07 23 23 28.4–.91 34.92N–.10 151.7W–.10 10–1 4.9b,4.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(612) Hawaiian Islands region.

IDC VI 11 19 20 24.7–281 19.65N 158.41W 0 ¶610791668
IDC Error ellipse: s-maj=110.5km s-min=53.9km az=90.0.
IDC VI 27 20 21 17.7–325 23.19N 158.93W 0 ¶610789593
IDC Error ellipse: s-maj=141.8km s-min=94.3km az=156.0.

(613) Hawaiian Islands.

NEIC I 01 21 14 16.2–.60 19.20N–.03 155.49W–.02 40–3
HVO I 01 21 14 17.6–.66 19.18N–.04 155.48W–.03 36–5 2.6,2.5L ¶610570332
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC I 02 14 37 10.9–.81 19.11N–.04 155.37W–.02 40–2
HVO I 02 14 37 12.6–.92 19.10N–.06 155.36W–.06 34–7 2.6L,2.6L ¶610570360
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC I 02 14 38 29.6–.69 19.08N–.04 155.36W–.02 45–2
HVO I 02 14 38 31.6–.89 19.08N–.04 155.36W–.01 35–2 2.6,2.6L ¶610570361
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC I 07 20 24 27.9–.80 19.37N–.01 155.494W–.01 16–1
HVO I 07 20 24 28.3–.74 19.349N–.01 155.496W–.01 9–2 3.5L,3.5L ¶610570513
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC I 09 05 58 01.6–.88 19.21N–.02 155.49W–.02 44–1
HVO I 09 05 58 03.5–.77 19.21N–.01 155.48W–.02 35–3 3.0L,2.7L ¶610570539
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC I 09 07 06 42.3–.68 18.96N–.06 155.55W–.03 51–3
HVO I 09 07 06 44.0–.92 18.92N–.07 155.55W–.03 40–5 2.7L,2.5 ¶610570541
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC I 09 12 27 04.0–.83 19.22N–.02 155.49W–.01 43–3
HVO I 09 12 27 05.7–.80 19.21N–.03 155.48W–.02 36–3 2.7L,2.5L ¶610570548
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC I 10 05 07 14.8–.68 20.26N–.04 155.74W–.07 42–5
HVO I 10 05 07 16.9–2.0 20.27N–.02 155.72W–.04 16–3 2.7L,2.7L ¶610570565
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC I 11 10 10 07.6–.45 19.38N–.01 155.233W–.01 5–1
HVO I 11 10 10 07.1–.50 19.374N–.01 155.227W–.01 3–1 2.6L,2.0L ¶610570595
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC I 11 23 21 54.8–1.1 19.49N–.06 154.82W–.07 33–8
HVO I 11 23 21 56.6–1.5 19.46N–.02 154.89W–.03 0–9 2.3L,2.3L ¶610570624
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC I 13 08 50 29.5–1.8 20.19N–.03 155.86W–.02 45–3

HVO I 13 08 50 32.5–1.8 20.18N–.03 155.84W–.03 37–5 2.8L,2.4L **¶610570650**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC I 19 00 03 33.5–.90 19N–8.0 155W–2.0 31–17
HVO I 19 00 03 35.5–.48 19.40N–.09 155.23W–.04 29–8 2.6L,2.3L **¶610570722**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC I 20 16 15 47.3–1.7 19.38N–.05 156.36W–.05 30–9
HVO I 20 16 15 50.1–1.4 19.36N–.04 156.35W–.05 31–7 3.0L,3.0L **¶610103757**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC I 20 22 56 18.8–.77 19.23N–.03 155.90W–.06 40–4
HVO I 20 22 56 19.2–1.5 19.21N–.05 155.97W–.06 51–3 3.0L,2.9L **¶610104691**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC I 22 11 47 09.2–1.7 19.42N–.02 155.588W–.01 1–11
HVO I 22 11 47 09.1–1.9 19.44N–.02 155.610W–.01 2–4 2.8L,2.3L **¶610105807**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC I 23 19 13 15.0–1.9 19.28N–.04 155.82W–.04 27–7
HVO I 23 19 13 17.4–1.9 19.31N–.01 155.81W–.02 13–2 3.3L,3.3L **¶610105811**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC I 25 07 26 07.4–1.1 19.37N–.02 155.268W–.01 4–3
HVO I 25 07 26 07.4–1.2 19.38N–.02 155.282W–.01 2–4 2.7L,1.9L **¶610114491**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC I 27 08 16 31.8–1.4 19.414N–.01 155.610W–.01 4–6
HVO I 27 08 16 32.1–1.6 19.428N–.01 155.612W–.01 3–4 3.1L,2.9L **¶610145083**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC II 01 00 39 04.7–1.1 19.382N–.01 155.292W–.01 1–5
HVO II 01 00 39 04.4–1.1 19.39N–.01 155.280W–.01 3–1 2.7L,2.0L **¶610159391**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC II 01 03 02 03.7–1.3 20.06N–.06 157.40W–.07 18–8
HVO II 01 03 02 03.2–1.5 20.01N–.06 157.8W–.10 32–10 3.8L,3.7L **¶610159393**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC II 01 13 18 10.4–1.2 19.38N–.02 155.295W–.01 2–3
HVO II 01 13 18 10.2–1.3 19.387N–.01 155.28W–.01 3–2 2.8L,2.0L **¶610169723**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC II 02 13 23 36.2–.69 20.06N–.06 156.6W–.10 34–13
HVO II 02 13 23 37.4–1.3 20.05N–.06 156.7W–.10 31–9 2.9L,2.5 **¶610184283**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC II 03 10 41 52.0–1.7 19.28N–.01 155.21W–.01 16–1
HVO II 03 10 41 53.4–2.0 19.31N–.01 155.214W–.01 9–1 3.5L,3.4L **¶610186358**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC II 03 20 07 33.0–1.5 19.546N–.01 155.62W–.01 17–3
HVO II 03 20 07 34.0–2.0 19.519N–.01 155.625W–.01 10–3 3.0L,2.9L **¶610195869**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC II 06 10 08 41.0–.95 20.08N–.03 156.50W–.05 28–9 3.1L,3.0L
HVO II 06 10 08 42.9–.97 20.06N–.04 156.61W–.06 44–10 3.1L,3.0L **¶610197960**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC II 07 18 24 40.9–3.5 18.83N–.07 155.56W–.04 54–4
HVO II 07 18 24 45.5–1.7 18.92N–.06 155.55W–.03 37–5 3.2L,3.2L **¶610198827**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC II 08 19 48 35.4–1.1 18.56N–.09 155.02W–.05 26–12
HVO II 08 19 48 42.5–1.3 18.87N–.06 155.16W–.05 34–8 2.0 **¶611148966**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC II 09 04 23 26.6–1.6 19.38N–.03 155.83W–.03 21–4
HVO II 09 04 23 28.1–1.8 19.397N–.01 155.85W–.02 15–2 2.6L,2.5L **¶611148970**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC II 11 14 27 17.8–1.1 19.21N–.05 155.50W–.02 35–10
HVO II 11 14 27 19.2–1.2 19.21N–.02 155.47W–.02 36–2 2.9L,2.7L **¶610208200**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC II 13 08 02 23.7–3.1 20.10N–.06 155.53W–.08 23–10
HVO II 13 08 02 26.7–2.6 20.04N–.02 155.56W–.02 13–4 2.7L,2.6L **¶610208901**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC II 13 21 46 09.8–1.2 19.18N–.04 155.36W–.03 53–3
HVO II 13 21 46 12.7–1.3 19.16N–.04 155.36W–.02 43–3 2.5L,2.1L **¶611149012**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC II 16 21 29 10.5–1.4 19.21N–.02 155.46W–.02 38–2
HVO II 16 21 29 12.2–1.5 19.21N–.05 155.43W–.05 34–7 2.6L,2.5L **¶610223754**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
ISC II 17 15 33 26.5–1.3 19.99N–.04 156.18W–.04 13–8 4.1b,3.4s 81 0-141
IDC II 17 15 33 25.2–1.0 20.04N 156.25W 0 3.8,3.8b **¶610228675**
NEIC II 17 15 33 28.5–1.3 20.07N–.02 156.05W–.05 50–3 3.8,3.8b
HVO II 17 15 33 30.7–1.1 20.07N–.04 156.06W–.05 41–4 4.8L,4.7L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}-2.10 $M_{\theta\theta}$3.19 $M_{\phi\phi}$-1.09 $M_{r\theta}$1.71
$M_{\theta\phi}$-2.55 $M_{\phi r}$0.68 NP1:ϕ_s152.29000°,δ50.64000°,λ-28.07000°. NP2:ϕ_s260.97000°
,δ68.67000°,λ-137.09000°. Principal axes: T 4.6247,Plg11.0000°,Azm23.0000°
; N -1.0019,Plg43.0000°,Azm282.0000°; P -3.6227,Plg45.0000°,Azm124.0000°
$M_0$4.21000×10^{15}
HVO Event type se. hypocenter. manual.
NEIC II 19 12 59 56.6–1.6 19.15N–.03 155.67W–.06 46–5
HVO II 19 12 59 58.6–.71 19.19N–.03 155.49W–.04 45–3 2.5L,2.3 **¶611149058**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC II 24 19 45 51.8–1.6 20.05N–.07 155.28W–.04 23–10
HVO II 24 19 45 55.0–1.8 20.02N–.02 155.29W–.02 15–2 2.5L,2.2L **¶611149088**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC II 26 05 03 15.9–.55 19.19N–.03 155.43W–.03 44–2
HVO II 26 05 03 16.4–.63 19.12N–.02 155.45W–.03 42–3 2.5,2.5L **¶610241390**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC II 26 05 06 52.9–.51 19.17N–.04 155.47W–.04 46–5
HVO II 26 05 06 53.1–.41 19.09N–.06 155.44W–.04 49–5 2.5L,2.2 **¶611149093**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC II 28 01 36 06.7–.84 19.32N–.02 155.12W–.03 12–1
HVO II 28 01 36 06.9–.95 19.33N–.02 155.12W–.02 7–2 2.5L,2.4L **¶611149111**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC II 28 01 41 08.0–.83 19.33N–.02 155.14W–.01 12–1
HVO II 28 01 41 08.0–1.3 19.33N–.01 155.13W–.01 6–2 2.6L,2.6L **¶610241740**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC II 28 02 34 25.6–1.1 19.85N–.04 155.55W–.04 33–9
HVO II 28 02 34 27.8–2.4 19.84N–.02 155.54W–.03 23–4 2.8L,2.7L **¶610241741**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC II 28 14 14 55.7–.94 19.22N–.01 155.49W–.02 43–2
HVO II 28 14 14 57.6–.89 19.21N–.02 155.47W–.02 36–3 2.9L,2.7L **¶610241900**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC III 01 19 44 52.1–.49 18.4N–.10 155.14W–.07 17–19
HVO III 01 19 44 52.9–.39 18.2N–.10 155.0W–.10 15–10 3.1L,2.5L **¶611149128**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC III 03 05 47 36.3–1.2 19.551N–.01 155.605W–.01 10–1
HVO III 03 05 47 36.1–.97 19.547N–.01 155.614W–.01 11–2 3.0L,2.9L **¶610244556**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC III 03 21 21 06.4–1.3 19.42N–.05 155.45W–.07 22–14
HVO III 03 21 21 07.9–.49 19.391N–.01 155.421W–.01 10–2 2.7L,2.6L **¶610244831**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC III 05 16 06 16.4–.64 19.39N–.01 155.264W–.01 2–3
HVO III 05 16 06 15.5–.54 19.38N–.01 155.24W–.01 3–2 2.6L,1.8L **¶610245394**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC III 05 16 06 32.8–.90 19.388N–.01 155.25W–.01 5–2
HVO III 05 16 06 32.3–.68 19.382N–.01 155.24W–.01 2–3 3.5L,3.0L **¶616204865**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC III 05 16 13 19.3–.94 19.390N–.01 155.246W–.01 6–2
HVO III 05 16 13 18.9–.77 19.379N–.01 155.237W–.01 2–3 3.9L,3.4L **¶610245395**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC III 05 16 13 44.0–.48 19.41N–.04 155.252W–.01 3–6
HVO III 05 16 13 43.4–.57 19.39N–.03 155.25W–.02 3–5 3.4L,3.1 **¶616204867**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC III 05 16 17 19.8–.75 19.376N–.01 155.245W–.01 4–2
HVO III 05 16 17 19.1–.80 19.382N–.01 155.236W–.01 2–3 3.5L,2.7L **¶610245396**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC III 05 16 37 17.3–.72 19.401N–.01 155.262W–.01 1–2
HVO III 05 16 37 16.3–.75 19.382N–.01 155.238W–.01 3–1 2.2L,1.8L **¶611149165**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC III 05 20 22 53.7–.50 19.39N–.01 155.247W–.01 1–9
HVO III 05 20 22 52.8–.62 19.38N–.01 155.245W–.01 1–9 2.6L,1.7L **¶611149167**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC III 06 05 46 57.5–.71 19.19N–.02 155.48W–.01 44–2
HVO III 06 05 46 59.2–.80 19.18N–.03 155.47W–.02 36–3 2.9L,2.8L **¶610245505**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC III 06 06 47 15.1–1.0 19.40N–.02 155.24W–.02 1–7
HVO III 06 06 47 14.1–.98 19.382N–.01 155.25W–.02 1–3 2.5L,1.5L **¶611149170**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC III 06 12 40 30.2–1.3 19.38N–.02 155.22W–.01 9–1
HVO III 06 12 40 30.1–.98 19.380N–.01 155.24W–.01 3–3 2.8L,2.2L **¶610247283**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC III 06 21 11 47.5–1.5 19.3N–.30 155.42W–.06 27–13
HVO III 06 21 11 47–.83 19.20N–.03 155.40W–.06 32–7 2.6L,2.5L **¶610247292**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC III 08 01 45 13.3–1.2 19.332N–.01 155.30W–.01 15–2
HVO III 08 01 45 14.0–.89 19.35N–.01 155.310W–.01 3–3 2.5L,2.0L **¶611149188**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC III 08 02 39 22.2–1.2 19.21N–.02 155.48W–.02 43–1
HVO III 08 02 39 24.1–.78 19.20N–.02 155.47W–.02 36–3 2.5L,2.0L **¶611149189**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC III 08 03 09 09.7–1.1 19.37N–.08 155.30W–.05 35–10
HVO III 08 03 09 11.5–.71 19.35N–.04 155.30W–.04 28–1 2.9L,2.9L **¶610273091**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC III 09 08 31 03.1–.62 19.408N–.01 155.614W–.01 4–6
HVO III 09 08 31 02.5–.78 19.414N–.00 155.62W–.01 3–6 3.2L,3.1L **¶610315729**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
ISC III 09 13 03 34.1–2.3 21.65N–.06 156.88W–.04 11–14 4.1b 74 1-140
IDC III 09 13 03 33.0–1.1 21.80N 157.10W 0 4.6s,3.8 **¶610312593**
NEIC III 09 13 03 33.1–2.3 21.81N–.05 156.83W–.04 10–4 4.7L,4.6L
HVO III 09 13 03 39.1–1.3 21.75N–.08 156.87W–.05 32–6 4.7L,4.6L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC III 09 21 12 33.5–1.4 18.92N–.04 155.48W–.04 40–4
HVO III 09 21 12 35.0–1.1 18.92N–.06 155.54W–.03 39–3 2.9L,2.9L **¶610315725**

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC III 09 22 01 01.2–.38 19.4N–.60 155.3W–.40 33–14
HVO III 09 22 01 02.1–.52 19.4N–.10 155.23W–.07 31–3 2.7L,2.5L **¶610315730**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC III 11 02 19 55.9–.95 19.03N–.04 155.39W–.01 42–3
HVO III 11 02 19 58.1–1.3 19.04N–.03 155.37W–.03 31–7 2.8L,2.8L **¶610323177**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC III 15 06 54 43.0–.78 19.97N–.02 155.58W–.03 45–4
HVO III 15 06 54 44.4–.71 19.97N–.02 155.56W–.03 43–1 2.5L,1.9L **¶611149256**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC III 15 08 01 17.6–1.4 20.12N–.04 155.82W–.04 33–8
HVO III 15 08 01 19.7–2.4 20.14N–.07 155.81W–.06 24–7 3.1L,3.1L **¶610329148**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC III 15 11 21 12.6–.71 19.21N–.01 155.49W–.02 41–2
HVO III 15 11 21 14.2–.94 19.19N–.01 155.46W–.02 36–3 2.9L,2.6L **¶610329260**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC III 16 09 49 23.9–.67 20.13N–.06 155.77W–.07 33–9
HVO III 16 09 49 25.7–2.7 20.13N–.08 155.8W–.10 24–8 2.7L,2.3L **¶610329923**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC III 16 19 43 34.0–.44 18.89N–.07 155.30W–.03 52–4
HVO III 16 19 43 34.6–1.6 18.72N–.05 155.22W–.04 16–3 2.6L,2.4L **¶611149268**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC III 16 21 36 30.3–1.1 19.47N–.02 155.672W–.01 5–4
HVO III 16 21 36 29.8–1.0 19.50N–.02 155.667W–.01 7–3 2.6L,2.4L **¶610331432**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC III 17 06 18 51.6–1.6 19.411N–.01 155.292W–.01 5–1
HVO III 17 06 18 50.6–1.5 19.382N–.01 155.281W–.01 2–2 2.7L,2.0L **¶610331525**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC III 18 04 09 18.9–1.1 19.889N–.01 155.92W–.04 51–3
HVO III 18 04 09 21.3–.97 19.887N–.01 155.88W–.03 41–3 3.6L,3.5L **¶610344670**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
HVO III 19 14 17 33.5–1.1 19.36N–.05 155.27W–.04 33–7 3.5L,2.7L
NEIC III 19 14 17 32.0–1.1 19.37N–.02 155.30W–.01 36–1 3.5L,2.7L **¶610346052**
HVO Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC III 19 22 32 16.6–.46 19.426N–.01 155.60W–.02 2–11
HVO III 19 22 32 15.8–.66 19.429N–.01 155.63W–.02 4–5 2.5L,2.3L **¶610394163**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC III 22 20 29 30.4–1.1 18.97N–.06 155.47W–.03 48–2
HVO III 22 20 29 32.1–1.1 18.97N–.07 155.47W–.03 41–4 2.9L,2.5L **¶610424478**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
ISC III 23 20 27 29.6–.64 19.34N–.03 155.20W–.02 12–3 4.4b,3.4s 119 0-98
IDC III 23 20 27 29.2–1.5 19.38N 155.16W 0 3.8,3.8b **¶610434457**
NEIC III 23 20 27 29.1–1.4 19.25N–.02 155.20W–.01 10–3 3.8,3.8b
HVO III 23 20 27 29.1–1.6 19.28N–.02 155.18W–.01 8–3 4.5b,4.5L
NEIC III 23 20 27 29 19.30N 155.18W 8 4.5b,4.5L
ISC Event type se.
IDC Error ellipse: s-maj=39.0km s-min=10.4km az=4.0.
NEIC Event type se. Error ellipse: s-maj=2.7km s-min=1.8km az=157.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. Error ellipse: s-maj=2.6km s-min=1.7km az=161.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}0.96 $M_{\theta\theta}$-1.19 $M_{\phi\phi}$0.23 $M_{r\theta}$3.19 $M_{\theta\phi}$-0.97 $M_{\phi r}$-0.52 NP1:ϕ_s210.00000°,δ20.00000°,λ25.00000°. NP2: ϕ_s96.00000°,δ82.00000°,λ108.00000°. Principal axes: T 3.5468,Plg50.0000°,Azm27.0000° ; N -0.0009,Plg18.0000°,Azm274.0000°; P -3.5459,Plg34.0000°,Azm171.0000° $M_0$3.55000×10^{15}
NEIC III 24 00 00 11.1–.41 19.59N–.04 155.29W–.03 22–18
HVO III 24 00 00 11.7–.46 19.60N–.03 155.28W–.02 20–5 2.5L,2.5L **¶611149324**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC III 24 09 22 05.0–.58 19.18N–.03 155.49W–.02 40–2
HVO III 24 09 22 06.4–.76 19.17N–.03 155.47W–.03 37–3 2.7L,2.5L **¶610434577**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC III 26 07 54 00.7–.79 19.31N–.02 155.272W–.01 5–1
HVO III 26 07 53 59.9–.74 19.30N–.02 155.26W–.01 2–5 2.4L,2.1L **¶611149340**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC III 26 10 05 03.0–1.7 19.53N–.05 155.84W–.03 25–3
HVO III 26 10 05 05.2–1.6 19.473N–.01 155.80W–.01 12–2 2.8L,2.7L **¶610435157**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC III 27 22 23 32.6–1.1 19.50N–.08 155.11W–.05 32–11
HVO III 27 22 23 34.1–1.3 19.53N–.04 155.08W–.03 23–2 2.5L,2.4L **¶611149358**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC III 31 12 24 35.4–1.1 19.43N–.04 155.84W–.06 22–12
HVO III 31 12 24 36.3–1.0 19.436N–.01 155.85W–.02 14–1 2.6L,2.4L **¶611149386**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC III 31 14 49 48.4–1.4 19.33N–.01 155.21W–.01 13–1
HVO III 31 14 49 48.6–1.4 19.37N–.01 155.213W–.01 3–4 2.8L,2.1L **¶610467786**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC IV 01 23 33 48.0–.90 19.40N–.01 155.29W–.03 2–5
HVO IV 01 23 33 47.2–.80 19.38N–.02 155.28W–.02 3–4 2.5L,1.7L **¶611149395**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC IV 02 06 03 08.3–1.7 19.447N–.01 155.84W–.02 7–5
HVO IV 02 06 03 08.1–1.3 19.452N–.01 155.86W–.02 12–3 2.6L,2.4L **¶610470173**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC IV 03 18 07 28.0–1.3 19.49N–.01 155.646W–.01 17–1
HVO IV 03 18 07 28.6–1.5 19.478N–.01 155.647W–.01 5–5 2.7L,2.7L **¶610478089**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC IV 03 19 55 01.6–.69 19.20N–.02 155.49W–.02 40–2
HVO IV 03 19 55 02.9–.78 19.17N–.03 155.47W–.02 37–2 2.8L,2.7L **¶610476570**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC IV 04 12 34 11.2–1.4 19.78N–.04 155.55W–.04 28–7
HVO IV 04 12 34 12.9–1.4 19.77N–.02 155.58W–.01 19–2 2.5L,2.4L **¶610482609**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC IV 08 13 47 52.1–.71 19.479N–.01 155.66W–.01 16–2
HVO IV 08 13 47 52.7–.65 19.481N–.01 155.643W–.01 8–2 3.0L,2.9L **¶610523720**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC IV 08 14 11 27.9–.92 19.48N–.05 155.63W–.02 19–2
HVO IV 08 14 11 28.8–.99 19.48N–.01 155.643W–.01 8–2 3.4L,3.2L **¶610523719**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC IV 08 15 14 32.0–.95 19.46N–.04 155.64W–.02 18–3
HVO IV 08 15 14 32.7–.88 19.480N–.01 155.64W–.01 7–5 2.7L,2.6L **¶611149476**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC IV 10 11 31 12.3–1.1 19.16N–.04 155.74W–.04 21–10
HVO IV 10 11 31 13.2–2.1 19.17N–.01 155.68W–.01 1–7 3.2L,3.1L **¶610525129**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC IV 10 15 27 39.2–1.1 19.473N–.01 155.639W–.01 13–4
HVO IV 10 15 27 39.4–1.1 19.477N–.01 155.638W–.01 7–4 2.3L,2.2L **¶611149493**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC IV 10 19 34 29.8–1.6 19.46N–.01 155.634W–.01 8–3
HVO IV 10 19 34 29.2–1.4 19.48N–.01 155.641W–.01 7–3 2.1L,2.0L **¶611149495**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC IV 12 15 24 10.6–.91 19.61N–.03 156.22W–.04 32–8
HVO IV 12 15 24 13.2–1.1 19.63N–.02 156.20W–.05 27–7 2.6L,2.3L **¶610527187**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC IV 12 18 29 25.2–1.3 19.384N–.01 155.279W–.01 4–2
HVO IV 12 18 29 24.6–1.2 19.383N–.01 155.277W–.01 3–3 3.5L,3.5L **¶610527180**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC IV 12 18 32 15.7–.94 19.40N–.02 155.291W–.01 1–5
HVO IV 12 18 32 14.8–.75 19.38N–.01 155.282W–.01 2–1 2.9L,2.0L **¶610527179**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC IV 14 10 16 26.7–1.4 19.417N–.01 155.249W–.01 1–4
HVO IV 14 10 16 26.0–1.6 19.38N–.02 155.24W–.01 3–2 2.9L,2.6L **¶610528189**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC IV 14 17 26 09.9–1.6 19.43N–.04 155.92W–.05 25–12
HVO IV 14 17 26 12.4–1.4 19.424N–.01 155.88W–.02 12–2 2.5L,2.1L **¶611149517**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC IV 16 03 11 29.1–1.3 19.481N–.01 155.639W–.01 10–1
HVO IV 16 03 11 29–1.3 19.477N–.01 155.642W–.01 7–4 3.0L,2.9L **¶610528606**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC IV 17 04 46 19.1–.78 19.24N–.02 155.486W–.01 38–3
HVO IV 17 04 46 20.5–.84 19.21N–.03 155.49W–.01 36–2 2.5L,2.1L **¶610529016**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC IV 20 20 00 26.5–.34 19.400N–.01 155.452W–.01 8–3
HVO IV 20 20 00 26.3–.45 19.398N–.01 155.449W–.01 7–2 2.6L,2.4L **¶610546553**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC IV 22 10 25 03.6–.82 18.84N–.06 155.22W–.04 31–10
HVO IV 22 10 25 05.8–1.8 18.84N–.03 155.26W–.02 11–6 2.7L,2.6L **¶610547339**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC IV 24 14 57 57.7–.86 19.436N–.00 155.593W–.01 3–8
HVO IV 24 14 57 57.0–1.0 19.429N–.00 155.609W–.01 3–7 2.7L,2.5L **¶610548735**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC IV 25 14 26 31.9–.46 19.368N–.01 155.204W–.01 2–6
HVO IV 25 14 26 31.1–.53 19.359N–.01 155.212W–.01 2–6 2.5L,1.8L **¶610554299**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC IV 25 14 42 03.3–.84 19.23N–.02 155.49W–.02 40–2
HVO IV 25 14 42 04.8–.86 19.20N–.02 155.47W–.02 36–3 2.7L,2.5L **¶610554300**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC IV 26 10 06 15.0–.79 19.23N–.02 155.49W–.02 42–2
HVO IV 26 10 06 16.6–.85 19.21N–.02 155.47W–.02 36–2 2.8L,2.6L **¶610559167**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC IV 27 01 59 37.9–.83 19.37N–.04 155.187W–.01 8–1
HVO IV 27 01 59 37.5–.81 19.36N–.02 155.20W–.01 2–4 2.5L,1.6L **¶610560084**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC IV 27 04 37 24.6–1.0 19.415N–.00 155.609W–.01 1–19
HVO IV 27 04 37 23.9–1.1 19.421N–.01 155.614W–.01 3–6 3.7L,3.3L **¶610560092**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC IV 27 18 34 13.8–.89 19.33N–.05 156.28W–.05 25–9
HVO IV 27 18 34 15.3–1.1 19.26N–.06 156.35W–.06 41–8 2.6L,2.6L **¶610570877**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC IV 28 00 28 47.2–.67 19.419N–.01 155.594W–.01 3–12
HVO IV 28 00 28 46.6–1.1 19.429N–.01 155.621W–.01 4–5 3.1L,2.8L **¶610575514**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC IV 29 09 02 14.2–1.0 19.37N–.02 155.28W–.01 1–12
HVO IV 29 09 02 13.7–.95 19.39N–.02 155.28W–.01 3–3 2.6L,1.9L **¶610588574**

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC IV 30 00 44 47.2–.54 19.27N–.02 155.42W–.02 39–2
HVO IV 30 00 44 48.5–.96 19.22N–.05 155.40W–.04 33–7 2.5L,2.4L **¶610589462**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC V 01 12 20 15.5–.83 19.38N–.08 155.32W–.02 33–11
HVO V 01 12 20 17.2–.89 19.38N–.04 155.30W–.03 26–1 2.6L,2.3L **¶610589725**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC V 02 12 16 31.8–1.4 19.439N–.01 155.597W–.01 4–5
HVO V 02 12 16 31.1–1.5 19.431N–.01 155.614W–.01 2–6 2.6L,2.5L **¶610592314**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC V 03 07 28 30.1–.99 19.19N–.05 155.40W–.03 46–4
HVO V 03 07 28 32.5–1.2 19.22N–.08 155.40W–.08 33–8 2.8L,2.7L **¶610593230**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC V 03 12 42 17–.72 19.24N–.02 155.42W–.01 40–2
HVO V 03 12 42 18.6–.93 19.22N–.02 155.40W–.05 34–7 3.2L,2.9L **¶610593821**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC V 03 23 32 55.5–.94 19.404N–.01 155.295W–.01 2–2
HVO V 03 23 32 54.9–.73 19.391N–.01 155.278W–.01 3–2 3.3L,3.0L **¶610593963**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC V 10 17 47 14.9–.54 18.83N–.08 155.27W–.04 33–11
HVO V 10 17 47 16.9–1.0 18.82N–.04 155.27W–.03 17–4 2.5L,2.3L **¶611150732**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC V 12 02 47 28.2–.90 19.24N–.02 155.42W–.02 42–2
HVO V 12 02 47 29.9–.92 19.22N–.05 155.40W–.03 34–7 3.7L,3.5L **¶610630788**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC V 13 18 52 14.3–.90 19.86N–.04 154.96W–.08 57–4
HVO V 13 18 52 16.7–.82 19.83N–.04 154.98W–.09 47–6 2.7L,2.4L **¶611150785**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC V 14 11 17 54.1–.84 19.435N–.01 155.598W–.01 2–9
HVO V 14 11 17 53.4–.90 19.433N–.00 155.608W–.01 3–6 2.5L,2.1L **¶610638710**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC V 14 16 16 36.5–.92 19.47N–.03 155.08W–.02 47–3
HVO V 14 16 16 38.1–1.3 19.49N–.03 155.06W–.02 41–3 2.6L,2.2L **¶611150802**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC V 14 22 14 37.6–.60 19.23N–.03 155.42W–.02 40–1
HVO V 14 22 14 39.2–.81 19.23N–.04 155.41W–.02 36–2 2.8,2.7L **¶610638716**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC V 14 22 51 27.6–1.0 19.23N–.02 155.42W–.01 40–2
HVO V 14 22 51 29.3–.88 19.22N–.05 155.40W–.03 33–7 2.8L,2.6L **¶610638720**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC V 16 00 53 25.8–.93 19.88N–.02 155.89W–.03 38–6
HVO V 16 00 53 26.2–1.2 19.89N–.03 155.96W–.06 42–4 2.8L,2.7L **¶610639889**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC V 18 20 58 34.2–1.0 19.15N–.02 155.34W–.01 19–1
HVO V 18 20 58 34.7–1.1 19.15N–.02 155.34W–.01 3–6 2.7L,2.7L **¶610643001**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC V 18 21 07 34.5–.78 19.11N–.03 155.34W–.02 10–1
HVO V 18 21 07 34.7–.73 19.13N–.04 155.34W–.02 7–4 3.0L,2.9L **¶610643004**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC V 18 21 15 34.2–.96 19.42N–.02 155.05W–.02 12–1
HVO V 18 21 15 34.9–.64 19.35N–.02 155.08W–.02 7–2 3.3L,3.2L **¶610643002**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC V 20 09 24 56.1–.48 19.13N–.01 155.35W–.01 15–2
HVO V 20 09 24 56.2–.51 19.11N–.02 155.35W–.01 7–6 2.9L,2.8L **¶611150842**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC V 22 12 13 16.5–.97 19.12N–.03 155.32W–.01 27–2
HVO V 22 12 13 17.5–1.2 19.12N–.02 155.35W–.01 7–5 3.2L,3.0L **¶610646379**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC V 22 13 40 05.6–.66 18.89N–.06 155.29W–.04 32–10
HVO V 22 13 40 06.9–1.6 18.86N–.03 155.26W–.02 11–4 2.7L,2.7L **¶610646380**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC V 22 15 21 36.8–1.5 19.44N–.03 155.91W–.05 23–12
HVO V 22 15 21 38.5–1.7 19.438N–.01 155.89W–.03 12–2 2.7L,2.5L **¶611150858**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC V 22 17 28 31.0–.98 19.16N–.06 155.62W–.05 20–12
HVO V 22 17 28 32.1–1.5 19.18N–.01 155.60W–.01 11–7 3.3L,3.2L **¶610646374**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC V 22 17 51 13.8–1.4 19.49N–.04 155.89W–.03 27–4
HVO V 22 17 51 16.6–1.3 19.45N–.01 155.83W–.02 13–2 2.5L,2.4L **¶610646375**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC V 23 03 59 57–.61 19.404N–.01 155.492W–.01 10–3
HVO V 23 03 59 56.9–.70 19.390N–.01 155.479W–.01 11–2 2.7L,2.6L **¶610646469**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC V 23 04 00 30.5–.73 19.381N–.01 155.484W–.01 8–2
HVO V 23 04 00 30.3–.62 19.391N–.01 155.478W–.01 10–0 2.9L,2.9L **¶616918747**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC V 23 15 39 54.5–.76 19.21N–.02 155.36W–.02 20–3
HVO V 23 15 39 54.4–1.1 19.205N–.01 155.370W–.01 0–9 2.7L,2.5L **¶610650680**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC V 26 21 03 26.6–1.5 19.40N–.02 154.86W–.03 10–1
HVO V 26 21 03 27.0–1.0 19.48N–.02 154.90W–.03 3–7 2.5L,2.4L **¶610654875**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC V 26 21 26 39.4–1.2 18.868N–.01 155.27W–.02 10–2
HVO V 26 21 26 39.9–1.2 18.86N–.03 155.25W–.02 12–7 2.5L,2.1 **¶611150891**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC V 26 21 49 55.7–1.2 18.90N–.02 155.27W–.02 10–2
HVO V 26 21 49 55.8–1.1 18.87N–.01 155.27W–.02 12–6 2.8L,2.7L **¶610654877**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC V 27 00 10 37.9–.69 18.863N–.01 155.21W–.01 10–2
HVO V 27 00 10 38.8–.91 18.88N–.04 155.25W–.02 11–8 2.5L,2.1L **¶611150893**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC V 27 08 17 29.8–2.1 18.94N–.02 155.245W–.01 10–2
HVO V 27 08 17 29.7–1.5 18.88N–.03 155.26W–.02 12–7 3.0L,3.0L **¶610654895**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC V 27 20 24 17.8–.75 19.314N–.01 155.390W–.01 13–1
HVO V 27 20 24 18–.86 19.299N–.01 155.383W–.01 4–4 3.5L,3.3L **¶610655122**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC V 27 21 28 30.7–.72 19.31N–.01 155.392W–.01 11–3
HVO V 27 21 28 30.7–.77 19.30N–.02 155.386W–.01 4–7 2.5L,2.0L **¶611150901**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC V 29 20 06 22.6–.88 19.23N–.02 155.43W–.01 38–2
HVO V 29 20 06 24.2–.84 19.23N–.05 155.42W–.05 34–7 2.6L,2.3L **¶610655695**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC V 30 01 38 47.3–.47 19.21N–.02 155.48W–.02 43–3
HVO V 30 01 38 49.0–.66 19.19N–.02 155.48W–.02 35–4 2.7L,2.5L **¶610655712**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC VI 04 00 14 27.6–.77 19.35N–.02 155.10W–.01 1–9
HVO VI 04 00 14 27–.57 19.38N–.02 155.10W–.02 3–2 2.7L,2.4L **¶610661321**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC VI 05 12 25 10.2–.92 19.18N–.03 155.47W–.02 53–3
HVO VI 05 12 25 12.6–.89 19.17N–.03 155.45W–.02 40–3 2.8L,2.5L **¶610662499**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC VI 06 19 23 27.3–1.1 19.64N–.03 156.21W–.05 51–5 3.0L,2.7L
HVO VI 06 19 23 30.0–.91 19.61N–.04 156.18W–.05 39–7 3.0L,2.7L **¶610666184**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC VI 07 23 00 22.3–1.2 19.50N–.03 155.97W–.05 27–7
HVO VI 07 23 00 24.2–1.8 19.48N–.01 155.96W–.02 12–6 3.4L,3.3L **¶610667758**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC VI 08 03 08 30.6–.84 19.74N–.04 156.11W–.06 31–9
HVO VI 08 03 08 32.8–4.6 19.77N–.02 156.10W–.04 14–3 3.4L,3.4L **¶610667767**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
ISC VI 08 17 01 19.7–.49 19.45N–.03 155.16W–.02 9–2 5.2b,3.9s 1053 0-140
IDC VI 08 17 01 17.7–.54 19.34N 155.15W 0 4.8,4.8b **¶610667943**
BJI VI 08 17 01 18.0–.00 19.40N 155.20W 10 5.2b,5.1b
NEIC VI 08 17 01 19 19.32N 155.11W 9 5.2b,5.1b
HVO VI 08 17 01 19.4–1.4 19.33N–.09 155.12W–.07 7–3 5.3L,5.2b
NEIC VI 08 17 01 19.4 19.34N 155.12W 8 5.3L,5.2b
MOS VI 08 17 01 19.4–1.3 19.44N 155.21W 19 5.3b,5.2b
NEIC VI 08 17 01 19.4 19.64N 154.80W 12 5.3b,5.2b
NEIC VI 08 17 01 20.1–1.7 19.4N–.10 155.18W–.06 9–4 5.3b,5.2b
GCMT VI 08 17 01 25.4–.50 19.24N–.03 155.06W–.04 12 4.8W,5.2b
ISC Event type se.
NEIC Event type se. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}1.49 $M_{\theta\theta}$-1.95 $M_{\phi\phi}$0.46 $M_{r\theta}$0.31 $M_{\theta\phi}$-1.56 $M_{\phi r}$1.87 NP1:ϕ_s278.00000°,δ44.00000°,λ150.00000°. NP2: ϕ_s30.00000°,δ70.00000°,λ50.00000°. Principal axes: T 3.0241,Plg49.0000°,Azm256.0000° ; N 0.0003,Plg37.0000°,Azm46.0000°; P -3.0244,Plg16.0000°,Azm148.0000° $M_0$3.02000×10^{16}
HVO Event type se. hypocenter. manual.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 1s2 Moment tensor: Scale 10^{16}Nm; M_{rr}1.19 $M_{\theta\theta}$-0.81 $M_{\phi\phi}$-0.38 $M_{r\theta}$0.30 $M_{\theta\phi}$-0.77 $M_{\phi r}$0.90 NP1:ϕ_s32.86000°,δ63.78000° ,λ69.48000°. NP2:ϕ_s253.13000°,δ32.84000°,λ125.45000°. Principal axes: T 1.5983,Plg65.0000°,Azm267.0000°; N 0.0199,Plg18.0000°,Azm42.0000° ; P -1.6182,Plg16.0000°,Azm138.0000° $M_0$1.61000×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s14,c15; s73,c93;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.69±.07 $M_{\theta\theta}$-1.27±.06; $M_{\phi\phi}$-0.42±.06; $M_{r\theta}$0.67±.25; $M_{\theta\phi}$-0.37±.06; $M_{\phi r}$1.03±.32; Best double couple: NP1:ϕ_s50.00000°,δ64.00000°,λ76.00000°. NP2:ϕ_s259.00000°,δ29.00000°,λ116.00000°. Principal axes: T 2.1790,Plg68.0000° ,Azm292.0000°; N -0.4490,Plg13.0000°,Azm56.0000°; P -1.7300,Plg18.0000° ,Azm150.0000° $M_0$1.95500×10^{16}
NEIC VI 08 17 05 26.6–.44 19.35N–.02 155.108W–.01 11–1
HVO VI 08 17 05 26.7–.56 19.34N–.03 155.11W–.01 7–2 3.0L,2.9L **¶610667942**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC VI 09 12 12 37.4–1.2 19.29N–.01 155.21W–.01 9–1
HVO VI 09 12 12 37.2–1.0 19.29N–.02 155.21W–.01 9–1 2.5L,2.2L **¶610668989**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC VI 09 12 12 50.5–1.4 19.29N–.01 155.21W–.01 8–2
HVO VI 09 12 12 50.3–1.5 19.29N–.01 155.20W–.01 7–3 2.9L,2.4L **¶617196358**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC VI 11 02 58 29.2–1.8 19.46N–.03 155.65W–.01 10–2
HVO VI 11 02 58 28.1–2.4 19.481N–.01 155.66W–.03 7–8 2.6L,2.5L **¶610669611**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC VI 11 06 20 55.4–1.2 19.61N–.03 154.92W–.07 51–3
HVO VI 11 06 20 57.3–1.3 19.60N–.02 154.90W–.07 41–4 2.5L,2.1L **¶611151011**
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC VI 11 06 54 05.1–.81 19.22N–.03 155.485W–.01 43–2

HVO VI 11 06 54 07.0–.64 19.21N–.05 155.48W–.04 35–7 2.6L,2.1L ¶610669619
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC VI 11 08 05 37.0–.46 19.22N–.03 155.49W–.01 41–2
HVO VI 11 08 05 38.4–.83 19.20N–.03 155.47W–.02 36–3 2.6L,2.1L ¶610671744
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC VI 11 18 22 23.6–2.3 19.55N–.03 155.96W–.08 20–5
HVO VI 11 18 22 24.7–2.1 19.53N–.01 155.99W–.03 12–3 3.0L,2.8L ¶610669804
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC VI 12 06 29 07.2–1.3 18.87N–.03 155.21W–.01 10–2
HVO VI 12 06 29 08.5–1.3 18.89N–.03 155.24W–.01 12–6 2.9L,2.9L ¶610672991
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC VI 12 06 29 16.6–1.6 18.911N–.01 155.24W–.02 10–2
HVO VI 12 06 29 17.4–1.4 18.92N–.01 155.24W–.02 13–6 2.9L,2.9L ¶617196361
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC VI 14 08 10 56.8–.46 19.269N–.01 155.510W–.01 8–6
HVO VI 14 08 10 56.7–.82 19.262N–.01 155.504W–.01 6–6 2.6L,2.6L ¶610673038
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC VI 14 18 59 19.7–.45 19.42N–.02 155.51W–.03 46–1
HVO VI 14 18 59 20.5–.57 19.39N–.03 155.50W–.04 48–3 2.9L,2.4L ¶610673133
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC VI 15 17 27 30.9–.35 19.20N–.06 155.48W–.02 44–4
HVO VI 15 17 27 32.6–.68 19.19N–.04 155.48W–.03 36–2 2.5L,2.3 ¶611151037
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC VI 18 15 42 16.2–.81 20.34N–.03 155.99W–.05 46–7
HVO VI 18 15 42 18.3–1.1 20.36N–.02 155.99W–.04 34–6 2.9L,2.7L ¶610681520
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC VI 19 00 22 37.4–.61 19.23N–.03 155.48W–.01 37–2
HVO VI 19 00 22 38.3–.77 19.20N–.03 155.48W–.02 36–2 2.5,2.4L ¶610681620
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC VI 19 06 14 48.2–1.1 19.17N–.01 155.61W–.01 10–1
HVO VI 19 06 14 48.4–1.4 19.181N–.01 155.60W–.01 9–3 2.9L,2.8L ¶610681634
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC VI 19 16 43 18.4–.94 19.45N–.06 154.72W–.08 30–11
HVO VI 19 16 43 20.7–1.4 19.45N–.02 154.83W–.03 0–10 2.5L,2.4L ¶610681818
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
ISC VI 21 20 09 07.1–.75 19.09N–.05 155.58W–.03 31–4 4.2b,3.4s 129 0-95
IDC VI 21 20 09 04.3–1.3 19.24N 155.47W 0 3.6,3.6b ¶610690714
HVO VI 21 20 09 06.5–2.0 18.93N–.05 155.54W–.03 38–4 4.6L,4.5L
NEIC VI 21 20 09 06.3–2.3 19.04N–.04 155.57W–.03 31–6 4.6L,4.5L
ISC Event type se.
HVO Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC VI 22 18 34 17.6–1.8 19.12N–.02 155.30W–.02 10–2
HVO VI 22 18 34 14.8–.81 18.93N–.03 155.17W–.03 13–6 2.5L,2.3L ¶611151088
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC VI 24 01 26 01.4–1.3 19.38N–.01 155.280W–.01 2–2
HVO VI 24 01 26 00.2–1.3 19.398N–.01 155.272W–.01 1–4 2.6L,1.6L ¶610694343
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC VI 25 07 02 20.7–.65 19.21N–.02 155.48W–.02 43–2
HVO VI 25 07 02 22.4–.82 19.19N–.02 155.47W–.02 36–3 2.6L,2.4L ¶611189139
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC VI 26 19 19 32.0–.92 19.20N–.01 155.48W–.02 45–3
HVO VI 26 19 19 34.2–.77 19.20N–.04 155.49W–.05 34–2 2.6L,2.4L ¶610695184
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC VI 26 20 52 06.9–1.2 19.19N–.02 155.48W–.02 44–3
HVO VI 26 20 52 08.9–.85 19.19N–.05 155.47W–.05 35–7 2.8L,2.6L ¶610695190
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC VI 27 09 27 01.6–1.8 19.40N–.02 154.85W–.04 18–3
HVO VI 27 09 27 02.3–2.4 19.45N–.02 154.88W–.03 1–9 2.4L,2.4L ¶611189196
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC VI 29 00 12 57.8–.46 19.31N–.03 155.07W–.02 40–2
HVO VI 29 00 12 58.6–.94 19.28N–.04 155.01W–.06 36–3 2.6L,2.6L ¶611189216
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC VI 29 04 58 48.4–.68 18.87N–.04 155.27W–.03 33–5
HVO VI 29 04 58 50.2–1.2 18.87N–.03 155.29W–.02 12–6 2.5L,2.5L ¶610699050
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC VI 29 13 15 07.7–.37 18.88N–.03 155.28W–.03 33–8
HVO VI 29 13 15 09.5–1.9 18.88N–.03 155.29W–.02 12–5 2.8L,2.7L ¶610711898
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC VI 29 13 19 56.6–.64 18.96N–.07 155.32W–.06 34–6
HVO VI 29 13 19 57.1–1.9 18.87N–.03 155.29W–.02 12–6 3.1L,3.0L ¶610711899
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
HVO VI 29 13 53 29.1–1.3 18.87N–.03 155.29W–.03 12–7 2.8L,2.8L
NEIC VI 29 13 53 04.0–1.4 17.3N–.10 154.9W–.20 16–9 2.8L,2.8L ¶610711902
HVO Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC VI 29 14 02 43.0–1.1 18.96N–.06 155.30W–.05 32–11
HVO VI 29 14 02 43.6–1.4 18.88N–.03 155.29W–.02 12–8 3.0L,2.9L ¶610711903
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC VI 29 14 11 58.2–.45 18.90N–.09 155.31W–.03 34–11
HVO VI 29 14 11 59.5–1.9 18.87N–.03 155.29W–.02 12–7 2.9L,2.8L ¶610711904
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC VI 29 14 41 21.8–.86 19.01N–.04 155.33W–.06 25–5
HVO VI 29 14 41 21.1–1.6 18.88N–.03 155.29W–.02 12–8 2.6L,2.5L ¶611189226
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC VI 29 16 18 14.8–2.1 18.89N–.03 155.32W–.02 10–1
HVO VI 29 16 18 15.5–1.6 18.87N–.04 155.29W–.02 12–3 3.4L,3.3L ¶610711906
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC VI 29 21 10 46.8–.66 19.22N–.03 155.48W–.02 35–2
HVO VI 29 21 10 47.7–.75 19.18N–.03 155.47W–.02 36–2 2.5,2.5L ¶610712015
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC VI 30 01 14 29.5–1.6 18.86N–.03 155.28W–.02 10–2
HVO VI 30 01 14 30.0–1.5 18.85N–.01 155.29W–.02 12–6 2.7L,2.7L ¶610728825
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC VI 30 01 18 17.8–1.9 18.91N–.03 155.30W–.01 10–2
HVO VI 30 01 18 17.7–1.1 18.86N–.01 155.29W–.02 12–5 2.9L,2.9L ¶610712034
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.
NEIC VI 30 04 25 19.6–1.9 18.95N–.03 155.34W–.01 10–2
HVO VI 30 04 25 18.7–1.3 18.89N–.01 155.30W–.02 11–8 2.6L,2.5L ¶611189233
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
HVO Event type se. hypocenter. manual.

(614) Eastern Caroline Islands region.

IDC I 16 00 20 29.6–447 0.94N 148.76E 0
¶610237464
IDC Error ellipse: s-maj=219.7km s-min=30.7km az=148.0.
ISC IV 25 23 59 40.8–.47 3.00N–.07 149.85E–.09 10 4.1b,3.4s 44 8-145
IDC IV 25 23 59 39.8–.69 2.99N 149.74E 0 4.4L,4.0 ¶610650021
NEIC IV 25 23 59 42.5–1.6 3.07N–.09 149.9E–.10 23–5 4.4b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 30 19 03 15.9–.56 10.70N–.08 146.9E–.10 10 4.1b,2.8s 37 4-147
NEIC IV 30 19 03 15.9–1.8 10.7N–.10 147.0E–.10 10–1 4.6b,2.8s ¶610589564
IDC IV 30 19 03 15.0–.86 10.59N 146.91E 0 4.4L,4.0
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=23.7km s-min=7.7km az=224.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=28.3km s-min=15.3km az=93.0.

SEISMIC REGION 40.
Arctic Zone.

(635) Near north coast of Kalaallit Nunaat.

DNK IV 25 07 51 11.5–2.5 82.66N 27.04W 44–100 0.8L
¶615874183
DNK Error ellipse: s-maj=37.5km s-min=282.8km az=-1.0.

(637) Iceland region.

ISC I 13 21 20 12.1–.90 62.72N–.09 25.17W–.08 10 3.5b,3.3s 43 2-67
REY I 13 21 20 06.8 62.29N 25.25W 10 3.5b,3.3s ¶610237312
IDC I 13 21 20 11.0–1.1 62.75N 25.53W 0 4.0L,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=33.6km s-min=19.4km az=22.0.
ISC I 27 21 32 20.0–.64 67.77N–.07 18.60W–.08 10 3.8s,3.6b 18 3-83
IDC I 27 21 32 18.8–.82 67.84N 18.47W 0 3.7,3.7b ¶610235510
ISC Event type ke.
IDC Error ellipse: s-maj=25.7km s-min=14.5km az=35.0.
ISC I 28 17 32 36.4–.73 68.15N–.04 18.03W–.04 10–4 4.5b,4.0s 365 2-132
IDC I 28 17 32 34.8–.44 68.19N 18.04W 0 4.1,4.1b ¶611831668
GCMT I 28 17 32 34.9–.30 68.42N–.05 18.20W–.06 12 4.7W,4.1b
MOS I 28 17 32 35.1–.94 68.22N 18.03W 10 4.7b,4.0s
REY I 28 17 32 36.6 68.10N 17.65W 10 4.7b,4.0s
NEIC I 28 17 32 36.9–1.6 68.24N–.06 17.9W–.20 11–4 4.6b,4.0s
BGR I 28 17 32 39.1 67.76N 19.35W 33 4.7b,4.0s
DNK I 28 17 32 46.6–3.4 68.94N 19.52W 0–632 3.1L,4.0s
ISC Event type se.
IDC Error ellipse: s-maj=13.1km s-min=9.3km az=22.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s7,c7; s96,c121;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-1.65±.06 $M_{\theta\theta}$0.11±.07; $M_{\phi\phi}$1.53±.05; $M_{r\theta}$0.08±.39; $M_{r\phi}$0.11±.06; $M_{\theta\phi}$-0.30±.26; Best double couple: NP1:ϕ_s1.00000°,δ50.00000°,λ-94.00000°. NP2:ϕ_s188.00000°,δ40.00000°,λ-85.00000°. Principal axes: T 1.5660,Plg5.0000°,Azm94.0000°; N 0.1110,Plg3.0000°,Azm4.0000°; P -1.6830,Plg84.0000°,Azm243.0000° $M_0$1.62500×10^{16}
MOS Error ellipse: s-maj=11.7km s-min=6.0km az=100.6.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=8.4km az=80.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BGR Event type ke.
DNK Error ellipse: s-maj=58.2km s-min=140.3km az=-1.0.
ISC I 28 18 30 12.8–.57 68.15N–.05 18.39W–.07 10 3.8b 55 2-83
IDC I 28 18 30 11.9–.91 68.17N 18.30W 0 3.8,3.7b ¶615527880
NEIC I 28 18 30 12.7–3.0 68.24N–.09 18.7W–.20 10–1 4.0b,3.7b
REY I 28 18 30 15.0 68.08N 17.69W 10 4.0b,3.7b
ISC Event type se.
IDC Error ellipse: s-maj=23.0km s-min=17.7km az=32.0.
NEIC Event type se. Error ellipse: s-maj=17.0km s-min=9.3km az=214.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 28 18 35 14.5–.71 68.1N–.10 18.01W–.10 10 3.6b 14 4-132
IDC I 28 18 35 13.1–.91 68.17N 18.16W 0 3.7,3.7b ¶610235583
ISC Event type ke.
IDC Error ellipse: s-maj=26.7km s-min=16.6km az=25.0.
ISC I 28 18 40 57.1–4.3 68.16N–.06 17.97W–.07 7–29 3.7s,3.6b 45 2-132
IDC I 28 18 40 56.4–.88 68.23N 18.13W 0 3.7,3.6s ¶610235587
REY I 28 18 40 57.1 68.18N 17.69W 10 3.7,3.6s
DNK I 28 18 41 32.5–2.6 70.84N 22.13W 0–100 1.5L,3.6s
ISC Event type ke.
IDC Error ellipse: s-maj=23.9km s-min=16.6km az=16.0.
DNK Error ellipse: s-maj=29.8km s-min=94.4km az=-1.0.
ISC II 15 18 00 13.9–1.8 68.5N–.30 17.0W–.20 10 3.2b,3.1s 6 3-70
IDC II 15 18 00 12.4–1.9 68.56N 16.93W 0 3.3,3.2b ¶610415578
ISC Event type ke.
IDC Error ellipse: s-maj=68.1km s-min=27.3km az=27.0.
IDC III 02 10 57 16.2–8.7 61.60N 26.58W 0 3.4,3.4L
¶610545379
IDC Error ellipse: s-maj=174.5km s-min=32.6km az=147.0.
ISC III 02 19 04 10.0–.47 61.43N–.07 27.28W–.05 10 4.3b 143 3-90
IDC III 02 19 04 08.0–.70 61.30N 27.65W 0 3.9,3.9b ¶610244517
REY III 02 19 04 08.7 61.03N 26.00W 10 3.9,3.9b
NEIC III 02 19 04 10.8–2.1 61.47N–.10 27.43W–.10 14–4 4.4b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 02 19 13 15.9–.52 61.30N–.04 27.41W–.03 14–3 4.9b,4.3s 1141 3-150
BJI III 02 19 13 13.0–.00 61.40N 27.40W 10 5.2b,4.8b ¶611831937
MOS III 02 19 13 13.6–.96 61.31N 27.48W 10 4.9b,4.2s
IDC III 02 19 13 13.7–.42 61.30N 27.53W 0 4.5,4.5b
GCMT III 02 19 13 14.7–.20 61.25N–.01 27.50W–.02 17–0 5.0W,4.5b

REY III 02 19 13 15.1 60.99N 25.77W 10 5.0W,4.5b
NEIC III 02 19 13 15.7–1.6 61.35N–.08 27.4W–.10 10–1 5.0b,4.5b
BGR III 02 19 13 20.2 61.71N 27.04W 33 4.9b,4.2s
DNK III 02 19 13 25.5–5.9 62.21N 28.63W 0–228 4.7s,3.8L
ISC Event type ke.
MOS Error ellipse: s-maj=5.9km s-min=5.5km az=108.0.
IDC Error ellipse: s-maj=13.0km s-min=8.6km az=17.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s29,c33; s115,c192;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.37±.17 $M_{\theta\theta}$-0.46±.12; $M_{\phi\phi}$2.82±.13; $M_{r\theta}$-0.72±.29; $M_{\theta\phi}$3.36±.08; $M_{\phi r}$-0.23±.27; Best double couple: NP1:ϕ_s68.00000°,δ66.00000°,λ-34.00000°. NP2:ϕ_s174.00000°,δ59.00000°,λ-152.00000°. Principal axes: T 4.9650,Plg5.0000° ,Azm122.0000°; N -1.9980,Plg49.0000°,Azm217.0000°; P -2.9740,Plg41.0000° ,Azm28.0000° $M_0$3.97000×10^{16}
NEIC Event type se. Error ellipse: s-maj=13.7km s-min=10.6km az=177.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BGR Event type ke.
DNK Error ellipse: s-maj=84.2km s-min=109.5km az=-1.0.
ISC III 03 00 46 05.0–1.0 61.3N–.20 27.7W–.20 10 3.5b,3.1s 7 12-65
IDC III 03 00 46 03.5–1.1 61.25N 27.65W 0 3.4,3.4b **¶610545418**
ISC Event type ke.
IDC Error ellipse: s-maj=38.9km s-min=24.5km az=174.0.
IDC III 03 03 31 13.0–2.8 61.60N 27.89W 0 3.5,3.5b ¶610545423
IDC Error ellipse: s-maj=95.3km s-min=25.5km az=2.0.
ISC III 03 10 34 32.2–.87 61.4N–.10 27.6W–.10 10 3.6b,3.3s 10 4-90
IDC III 03 10 34 30.5–1.0 61.22N 27.70W 0 3.6,3.6L **¶610545451**
ISC Event type ke.
IDC Error ellipse: s-maj=31.5km s-min=21.7km az=5.0.
ISC III 04 14 51 08.8–.66 61.4N–.10 27.58W–.07 10 3.8b,3.6s 24 4-140
IDC III 04 14 51 07.2–.81 61.30N 27.68W 0 3.7,3.7b **¶610545533**
ISC Event type ke.
IDC Error ellipse: s-maj=27.4km s-min=13.0km az=7.0.
ISC III 07 11 21 27.3–.83 63.1N–.10 25.11W–.09 10 3.5b,3.5s 12 2-88
IDC III 07 11 21 25.9–1.1 63.03N 25.17W 0 3.7s,3.6 **¶610545730**
ISC Event type ke.
IDC Error ellipse: s-maj=27.9km s-min=19.7km az=6.0.
ISC III 26 00 24 49.3–2.1 67.67N–.04 18.66W–.04 5–13 4.4b,4.3s 191 1-146
REY III 26 00 24 47.6 67.78N 18.37W 10 4.4b,4.3s **¶610543677**
NEIC III 26 00 24 49.3–2.1 67.72N–.06 18.9W–.20 10–1 4.6b,4.3s
IDC III 26 00 24 50.1–.47 67.74N 18.65W 0 4.6s,4.0
GCMT III 26 00 24 50.3–.20 67.84N–.03 18.70W–.04 12 4.8W,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s13,c14; s107,c146;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.75±.05 $M_{\theta\theta}$0.18±.05; $M_{\phi\phi}$1.57±.04; $M_{r\theta}$0.23±.29; $M_{\theta\phi}$0.45±.04; $M_{\phi r}$0.06±.19; Best double couple: NP1:ϕ_s203.00000°,δ47.00000°,λ-82.00000°. NP2:ϕ_s10.00000°,δ43.00000°,λ-99.00000°. Principal axes: T 1.7050,Plg2.0000° ,Azm287.0000°; N 0.0720,Plg6.0000°,Azm17.0000°; P -1.7760,Plg83.0000°,Azm178.0000° $M_0$1.74000×10^{16}
ISC III 26 00 25 24.7–.89 67.46N–.06 18.85W–.09 10 3.7b 29 1-52
REY III 26 00 25 22.8 67.74N 18.40W 10 3.7b **¶610543681**
IDC III 26 00 25 24.9–1.4 67.78N 18.43W 0 3.8,3.8b
ISC Event type ke.
IDC Error ellipse: s-maj=52.3km s-min=22.3km az=14.0.
ISC III 26 00 50 22.4–.71 67.49N–.07 18.30W–.09 10 3.3b,3.3s 13 3-58
DNK III 26 00 49 39.2–3.9 64.57N 17.90W 0–342 1.4L,3.3s **¶610543683**
IDC III 26 00 50 21.1–1.1 67.41N 18.24W 0 3.5,3.3s
ISC Event type ke.
DNK Error ellipse: s-maj=322.8km s-min=297.5km az=-1.0.
IDC Error ellipse: s-maj=23.7km s-min=20.0km az=10.0.
ISC III 26 00 52 56.9–.88 67.55N–.10 18.7W–.10 10 3.3b 8 3-61
IDC III 26 00 52 55.6–1.2 67.53N 18.82W 0 3.6,3.4b **¶610543685**
ISC Event type ke.
IDC Error ellipse: s-maj=26.2km s-min=22.4km az=29.0.
ISC III 26 01 07 12.9–.53 67.67N–.03 18.72W–.03 11–3 4.9b,4.8s 1045 1-149
BER III 26 01 06 43.5–5.9 66.21N 25.27W 10 5.0W,4.9b **¶610435139**
DNK III 26 01 07 09.9–4.0 67.58N 19.25W 0–62 5.0W,4.9b
BJI III 26 01 07 10.2–.00 67.68N 19.15W 14 5.4b,5.1s
REY III 26 01 07 11.0 67.79N 18.41W 10 5.4b,5.1s
MOS III 26 01 07 11.4–1.3 67.68N 18.66W 10 5.1b,4.8s
NEIC III 26 01 07 12.2–1.9 67.82N–.05 18.7W–.20 10–1 5.2,5.0b
IDC III 26 01 07 12.4–.39 67.68N 18.59W 0 4.7s,4.4
NEIC III 26 01 07 12.2 67.82N 18.64W 18 4.7s,4.4
NEIC III 26 01 07 12.2 67.92N 18.64W 18 4.7s,4.4
GCMT III 26 01 07 13.2–.10 67.83N–.01 18.70W–.02 12 5.2W,4.4
BGR III 26 01 07 15.1 67.59N 18.99W 5 4.4b,4.4
ISC Event type ke.
BER Error ellipse: s-maj=24.9km s-min=84.3km az=-1.0.
DNK Error ellipse: s-maj=14.9km s-min=36.5km az=-1.0.
MOS Error ellipse: s-maj=9.2km s-min=5.2km az=102.6.
NEIC Event type se. Error ellipse: s-maj=11.2km s-min=9.2km az=263.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=11.3km s-min=8.4km az=21.0.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2s2 Moment tensor: Scale 10^{16}Nm; M_{rr}-9.39 $M_{\theta\theta}$1.84 $M_{\phi\phi}$7.55 $M_{r\theta}$-2.27 $M_{\theta\phi}$2.41 $M_{\phi r}$1.00 NP1:ϕ_s187.52000°,δ46.93000° ,λ-107.62000°. NP2:ϕ_s32.46000°,δ45.88000°,λ-72.06000°. Principal axes: T 8.4353,Plg1.0000°,Azm290.0000°; N 1.5177,Plg13.0000°,Azm200.0000° ; P -9.9531,Plg77.0000°,Azm22.0000° $M_0$9.19000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s40,c53; s147,c267;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.88±.01 $M_{\theta\theta}$0.05±.01; $M_{\phi\phi}$0.82±.01; $M_{r\theta}$-0.01±.06; $M_{\theta\phi}$0.18±.01; $M_{\phi r}$0.09±.04; Best double couple: NP1:ϕ_s191.00000°,δ48.00000°,λ-93.00000°. NP2:ϕ_s15.00000°,δ42.00000°,λ-87.00000°. Principal axes: T 0.8730,Plg3.0000° ,Azm283.0000°; N 0.0070,Plg2.0000°,Azm193.0000°; P -0.8800,Plg87.0000°,Azm68.0000° $M_0$0.87700×10^{17}
BGR Event type ke.
ISC III 26 01 48 38.2–.64 67.77N–.02 18.76W–.02 6–4 4.8b,4.3s 528 1-146
REY III 26 01 48 36.8 67.87N 18.35W 10 4.8b,4.3s **¶611832135**
BER III 26 01 48 38.9–5.8 67.67N 19.34W 10 4.8b,4.3s
NEIC III 26 01 48 39.8–1.8 67.854N–.01 18.3W–.20 10–1 4.9b,4.3s
IDC III 26 01 48 39.1–.39 67.76N 18.46W 0 4.4,4.4b
GCMT III 26 01 48 40.8–.20 67.99N–.02 18.49W–.03 12 5.0W,4.4b
BGR III 26 01 48 42.5 67.69N 18.59W 5 4.3b,4.4b
DNK III 26 01 48 57.9–4.3 69.04N 21.27W 0–60 4.3b,4.4b
ISC Event type ke.
BER Error ellipse: s-maj=26.9km s-min=97.7km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=11.4km s-min=2.7km az=86.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=12.1km s-min=8.9km az=15.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s28,c29; s127,c194;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-4.16±.08 $M_{\theta\theta}$0.23±.09; $M_{\phi\phi}$3.93±.07; $M_{r\theta}$1.55±.40; $M_{\theta\phi}$0.71±.08; $M_{\phi r}$-1.32±.33; Best double couple: NP1:ϕ_s351.00000°,δ55.00000°,λ-113.00000°. NP2:ϕ_s208.00000°,δ41.00000°,λ-61.00000°. Principal axes: T 4.1980,Plg8.0000° ,Azm97.0000°; N 0.6970,Plg19.0000°,Azm5.0000°; P -4.8990,Plg70.0000°,Azm208.0000° $M_0$4.54900×10^{16}
BGR Event type ke.
DNK Error ellipse: s-maj=78.8km s-min=192.2km az=-1.0.
ISC III 26 02 12 00.9–.37 67.68N–.04 18.50W–.04 10 4.2b,4.1s 147 1-133
IDC III 26 02 12 00.7–.60 67.68N 18.59W 0 4.1s,3.8 **¶610436994**
REY III 26 02 12 00.5 67.75N 18.24W 10 4.1s,3.8
NEIC III 26 02 12 01.1–.95 67.90N–.07 18.7W–.20 10–1 4.3b,3.8
GCMT III 26 02 12 01.1–.20 68.11N–.03 18.68W–.04 12 4.9W,3.8
DNK III 26 02 12 40.4–.30 70.62N 22.37W 18 4.9W,3.8
ISC Event type se.
IDC Error ellipse: s-maj=18.5km s-min=12.4km az=29.0.
NEIC Event type se. Error ellipse: s-maj=13.6km s-min=10.7km az=243.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s24,c25; s112,c155;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.10±.06 $M_{\theta\theta}$-0.02±.07; $M_{\phi\phi}$2.12±.05; $M_{r\theta}$2.22±.28; $M_{\theta\phi}$0.36±.05; $M_{\phi r}$0.56±.24; Best double couple: NP1:ϕ_s225.00000°,δ59.00000°,λ-61.00000°. NP2:ϕ_s350.00000°,δ36.00000°,λ-139.00000°. Principal axes: T 2.4720,Plg17.0000° ,Azm294.0000°; N 1.0510,Plg26.0000°,Azm33.0000°; P -3.5260,Plg58.0000°,Azm175.0000° $M_0$2.99900×10^{16}
DNK Error ellipse: s-maj=2.3km s-min=7.6km az=-1.0.
ISC III 28 22 51 30.8–.65 67.64N–.08 18.63W–.08 10 3.6b,3.2s 20 3-83
IDC III 28 22 51 29.4–.79 67.64N 18.78W 0 3.6,3.6b **¶610471035**
ISC Event type ke.
IDC Error ellipse: s-maj=20.3km s-min=16.2km az=24.0.
ISC IV 10 03 40 16.3–1.4 63.72N–.07 22.91W–.05 11–7 44 0-25
DNK IV 10 03 40 10.5–3.7 62.86N 22.93W 17–999 3.9L **¶610527111**
REY IV 10 03 40 15.9 63.74N 23.07W 12 3.9L
ISC Event type ke.
DNK Error ellipse: s-maj=168.6km s-min=223.4km az=-1.0.
ISC IV 19 12 34 30.7–1.8 63.66N–.06 22.95W–.06 13–10 3.6b,3.3s 42 0-68
IDC IV 19 12 34 28.6–1.1 63.70N 23.17W 0 4.0L,3.5 **¶610653047**
REY IV 19 12 34 29.5 63.64N 23.34W 13 4.0L,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=19.7km s-min=15.3km az=142.0.
ISC V 25 00 55 05.0–1.7 67.08N–.05 18.75W–.05 0–11 3.8b,3.4s 37 1-69
IDC V 25 00 55 05.1–1.3 67.03N 18.87W 0 3.7,3.5s **¶610685329**
REY V 25 00 55 05.0 67.21N 18.76W 10 3.7,3.5s
ISC Event type ke.
IDC Error ellipse: s-maj=33.3km s-min=21.9km az=128.0.
ISC VI 08 04 15 11.5–.80 61.35N–.09 27.32W–.06 10 3.6b,3.4s 41 3-66
REY VI 08 04 15 10.2 60.92N 26.04W 10 3.6b,3.4s **¶610791437**
IDC VI 08 04 15 10.5–1.1 61.34N 27.44W 0 3.7L,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=35.4km s-min=16.4km az=179.0.
REY VI 10 11 14 22.7 63.63N 23.65W 12 ¶614205130
ISC VI 18 09 06 55.8–.66 61.12N–.04 27.88W–.03 3–3 4.9b,4.3s 1112 4-163
IDC VI 18 09 06 54.8–.37 60.98N 27.97W 0 4.4,4.4b **¶610681506**
MOS VI 18 09 06 54.9–.90 61.06N 27.86W 10 5.0b,4.3s
GCMT VI 18 09 06 55.5–.20 61.00N–.02 27.83W–.02 12 5.0W,4.3s
NEIC VI 18 09 06 56.5–1.1 61.02N–.08 27.9W–.10 7–3 5.1,5.0b
REY VI 18 09 06 56.3 60.84N 26.31W 10 5.1,5.0b
NEIC VI 18 09 06 57 61.02N 27.86W 12 5.1,5.0b
DNK VI 18 09 06 57.0–5.3 61.30N 27.38W 0–40 4.7b,5.0b
NEIC VI 18 09 06 57 60.82N 28.07W 12 4.7b,5.0b
ISC Event type se.
IDC Error ellipse: s-maj=10.8km s-min=8.1km az=2.0.
MOS Error ellipse: s-maj=7.6km s-min=6.7km az=93.9.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s33,c39; s112,c174;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.13±.13 $M_{\theta\theta}$-0.71±.14; $M_{\phi\phi}$3.84±.09; $M_{r\theta}$-1.25±.43; $M_{\theta\phi}$2.91±.09; $M_{\phi r}$-0.97±.34; Best double couple: NP1:ϕ_s47.00000°,δ59.00000°,λ-62.00000°. NP2:ϕ_s181.00000°,δ41.00000°,λ-127.00000°. Principal axes: T 5.4950,Plg9.0000° ,Azm117.0000°; N -1.8210,Plg24.0000°,Azm211.0000°; P -3.6710,Plg64.0000°,Azm7.0000° $M_0$4.58300×10^{16}
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=9.4km az=177.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se.
DNK Error ellipse: s-maj=32.4km s-min=42.7km az=-1.0.
NEIC Event type se. Moment Tensor Solution.Duration: 1s8 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.59 $M_{\theta\theta}$0.07 $M_{\phi\phi}$2.52 $M_{r\theta}$-1.64 $M_{\theta\phi}$1.99 $M_{\phi r}$-3.60 NP1:ϕ_s24.68000°,δ71.00000° ,λ-93.98000°. NP2:ϕ_s216.74000°,δ19.40000°,λ-78.61000°. Principal axes: T 5.5491,Plg26.0000°,Azm118.0000°; N -1.0199,Plg4.0000°,Azm26.0000° ; P -4.5292,Plg64.0000°,Azm288.0000° $M_0$5.04000×10^{16}
ISC VI 26 04 22 20.9–1.0 68.82N–.04 16.77W–.05 15–6 4.2b,3.7s 219 2-91
BGR VI 26 04 22 16.6 69.64N 16.70W 10 4.5b,3.7s **¶610694761**
DNK VI 26 04 22 19.5–2.2 69.14N 16.48W 12–77 1.5L,3.7s
IDC VI 26 04 22 19.8–.67 68.93N 16.74W 0 4.3L,3.9
NEIC VI 26 04 22 20.7–2.5 68.97N–.08 17.2W–.20 10–1 4.4b,3.9
REY VI 26 04 22 22.1 68.58N 16.40W 10 4.4b,3.9
ISC Event type ke.
BGR Event type ke.
DNK Error ellipse: s-maj=69.8km s-min=234.8km az=-1.0.
IDC Error ellipse: s-maj=18.3km s-min=13.3km az=29.0.
NEIC Event type se. Error ellipse: s-maj=16.1km s-min=11.0km az=230.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(638) Iceland.

ISC I 23 09 37 34.6–.59 64.61N–.02 17.39W–.03 10 3.7b,3.0s 42 0-53
REY I 23 09 37 32.7 64.62N 17.41W 5 3.7b,3.0s **¶610235179**
IDC I 23 09 37 34.1–.83 64.44N 17.84W 0 4.0L,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=28.9km s-min=13.8km az=26.0.
ISC I 26 15 14 41.5–.41 63.65N–.02 19.20W–.02 10 4.3b,3.6s 143 0-85
BGR I 26 15 14 18.2 65.28N 23.48W 10 4.4b,3.6s **¶610235394**
REY I 26 15 14 39.5 63.63N 19.18W 0 4.4b,3.6s
IDC I 26 15 14 40.7–.71 63.54N 19.34W 0 3.9,3.8b
NEIC I 26 15 14 42.4–1.5 63.6N–.10 19.2W–.20 10–1 4.5b,3.8b
ISC Event type se.
BGR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 30 13 47 04.9–1.1 64.68N–.02 17.43W–.03 2–8 3.6b 44 0-62
REY I 30 13 47 05.4 64.67N 17.46W 9 3.6b **¶610235736**
IDC I 30 13 47 05.8–.94 64.56N 17.69W 0 3.5,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=31.5km s-min=12.8km az=13.0.
ISC I 30 13 55 19.3–.58 64.68N–.02 17.51W–.03 10 3.6b 50 0-62
REY I 30 13 55 19.6 64.68N 17.51W 10 3.6b **¶610235738**
IDC I 30 13 55 19.6–1.1 64.49N 18.02W 0 3.5,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=43.7km s-min=20.5km az=32.0.
ISC II 25 14 31 26.4–.73 64.5N–.10 17.48W–.08 10 3.7b 13 2-60
IDC II 25 14 31 25.6–.96 64.65N 17.45W 0 3.6,3.6b **¶610385005**
ISC Event type ke.
IDC Error ellipse: s-maj=29.5km s-min=11.5km az=5.0.
ISC III 01 09 45 01.1–1.2 64.4N–.10 18.4W–.20 10 3.4b 7 6-53
IDC III 01 09 44 59.8–1.4 64.61N 18.24W 0 3.5s,3.3 **¶610545312**
ISC Event type ke.
IDC Error ellipse: s-maj=39.4km s-min=30.6km az=26.0.
ISC III 08 03 55 34.0–.67 64.63N–.03 17.49W–.03 10 3.5b 33 0-60
REY III 08 03 55 32.8 64.62N 17.47W 11 3.5b **¶610305274**
IDC III 08 03 55 33.4–.97 64.36N 17.59W 0 3.9L,3.4s
ISC Event type ke.
IDC Error ellipse: s-maj=32.6km s-min=16.2km az=25.0.
ISC III 08 03 56 24.7–.78 64.63N–.02 17.47W–.02 10–5 3.6b 77 0-53
IDC III 08 03 56 24.5–.96 64.49N 17.67W 0 3.6,3.5b **¶610545777**
REY III 08 03 56 24.7 64.63N 17.45W 5 3.6,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=30.0km s-min=16.4km az=27.0.
ISC III 21 17 48 58.4–.58 64.61N–.08 17.64W–.06 9 3.6b,3.1s 21 2-75
IDC III 21 17 48 57.2–.70 64.68N 17.65W 0 3.5,3.5b **¶610543416**
ISC Event type ke.
IDC Error ellipse: s-maj=22.9km s-min=12.4km az=15.0.
ISC IV 06 15 08 26.1–.50 64.68N–.02 17.49W–.02 10 3.6b 84 0-53
REY IV 06 15 08 24.3 64.66N 17.48W 0 3.6b **¶610652083**

IDC IV 06 15 08 25.9–.67 64.64N 17.62W 0 3.7,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=20.4km s-min=9.7km az=8.0.
ISC IV 17 11 58 43.5–.43 64.65N–.02 17.51W–.02 10 4.1b,3.3s 117 0-75
BGS IV 17 11 58 40.9–2.2 64.64N 17.84W 5 4.2b,3.3s ¶610529478
REY IV 17 11 58 41.7 64.66N 17.53W 8 4.2b,3.3s
IDC IV 17 11 58 41.9–.59 64.67N 17.76W 0 3.7,3.7b
NEIC IV 17 11 58 44.2–2.8 64.64N–.09 17.8W–.10 7–5 4.2b,3.7b
DNK IV 17 12 00 07.1–4.2 70.26N 21.72W 16–36 1.3L,3.7b
ISC Event type se.
BGS Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0.
IDC Error ellipse: s-maj=19.7km s-min=9.6km az=17.0.
NEIC Event type se. Error ellipse: s-maj=12.9km s-min=8.9km az=177.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DNK Error ellipse: s-maj=71.3km s-min=77.4km az=-1.0.
ISC V 06 12 08 58.9–.82 64.03N–.02 20.23W–.02 11–5 3.7b,3.1s 67 0-56
IDC V 06 12 08 57.7–1.0 64.21N 20.23W 0 4.5L,3.7 ¶610689662
REY V 06 12 08 58.9 64.02N 20.23W 8 4.5L,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=53.7km s-min=13.0km az=42.0.
ISC V 14 02 35 13.1–.90 64.61N–.03 17.42W–.03 16–7 38 0-23
REY V 14 02 35 13.6 64.62N 17.43W 11 ¶611973911
ISC Event type ke.
ISC V 20 20 32 56.1–.33 64.68N–.02 17.51W–.02 10 4.1b,3.4s 282 0-145
BGR V 20 20 32 29.5 66.21N 22.99W 10 4.1b,3.4s ¶610645998
IDC V 20 20 32 54.8–.51 64.58N 17.74W 0 3.9,3.9b
REY V 20 20 32 54.5 64.68N 17.45W 7 3.9,3.9b
NEIC V 20 20 32 55.5–1.1 64.65N–.09 17.7W–.10 6–4 4.4b,3.9b
ISC Event type se.
BGR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 20 20 35 31.3–.47 64.68N–.02 17.43W–.02 10 3.7b,3.4s 77 0-87
REY V 20 20 35 30.1 64.67N 17.41W 9 3.7b,3.4s ¶610646351
IDC V 20 20 35 30.5–.68 64.55N 17.71W 0 3.7,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=21.2km s-min=10.1km az=16.0.
ISC V 20 21 15 58.9–.52 64.67N–.02 17.41W–.03 10 3.6b 80 0-53
IDC V 20 21 15 58.3–.81 64.53N 17.57W 0 3.6,3.6b ¶610685046
REY V 20 21 15 58.3 64.67N 17.42W 8 3.6,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=28.9km s-min=10.4km az=13.0.
ISC V 27 09 36 22.3–.38 64.61N–.02 17.52W–.03 10 4.2b,3.2s 188 0-99
MOS V 27 09 36 19.7–1.2 64.63N 17.74W 10 4.4b,3.2s ¶610655124
REY V 27 09 36 20.0 64.62N 17.47W 7 4.4b,3.2s
IDC V 27 09 36 21.0–.63 64.50N 17.71W 0 3.7b,3.6
NEIC V 27 09 36 22.3–1.1 64.58N–.10 17.9W–.20 10–1 4.2b,3.6
BGR V 27 09 36 28.6 64.18N 17.49W 33 4.2b,3.6
ISC Event type ke.
MOS Error ellipse: s-maj=12.5km s-min=6.4km az=113.2.
IDC Error ellipse: s-maj=22.2km s-min=9.7km az=16.0.
NEIC Event type se. Error ellipse: s-maj=16.3km s-min=11.6km az=190.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BGR Event type ke.
ISC VI 01 09 54 07.9–.83 64.70N–.03 17.41W–.03 10–5 3.6b 51 0-62
REY VI 01 09 54 07.8 64.67N 17.41W 2 3.6b ¶610791053
IDC VI 01 09 54 09.1–1.4 64.42N 17.86W 0 3.9L,3.5
ISC Event type ke.
IDC Error ellipse: s-maj=40.1km s-min=15.2km az=24.0.
ISC VI 21 06 36 18.4–.81 64.63N–.02 17.41W–.02 10–5 3.6b 96 0-67
REY VI 21 06 36 18.4 64.63N 17.40W 10 3.6b ¶610789194
IDC VI 21 06 36 18.8–1.1 64.65N 17.65W 0 3.9L,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=30.5km s-min=17.8km az=26.0.
ISC VI 21 06 38 18.5–.54 64.62N–.02 17.49W–.02 10 3.7b,3.1s 67 0-64
IDC VI 21 06 38 18.3–.85 64.56N 17.75W 0 3.6,3.5b ¶610789195
ISC Event type ke.
IDC Error ellipse: s-maj=24.0km s-min=14.9km az=17.0.
ISC VI 30 14 58 43.6–.85 64.57N–.04 17.84W–.04 9–5 4.2b,3.2s 62 0-62
REY VI 30 14 58 41.4 64.67N 17.44W 4 4.2b,3.2s ¶610759088
IDC VI 30 14 58 42.5–.70 64.55N 17.74W 0 3.8,3.8b
NEIC VI 30 14 58 45.1–2.1 64.6N–.10 18.1W–.20 15–5 4.4b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 30 15 10 46.9–.79 64.68N–.02 17.47W–.02 4–5 3.7b,3.2s 56 0-53
REY VI 30 15 10 46.6 64.68N 17.45W 8 3.7b,3.2s ¶610789795
IDC VI 30 15 10 46.5–.77 64.52N 17.61W 0 3.7,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=27.5km s-min=10.1km az=11.0.

(639) Jan Mayen Island region.

ISC III 02 22 25 13.5–.64 71.48N–.08 3.85W–.06 10 4.0b,3.5s 62 2-59
IDC III 02 22 25 12.6–1.4 71.34N 3.44W 0 3.6,3.5b ¶610246726
BER III 02 22 25 14.3–2.2 71.36N 4.02W 10 3.4L,2.2L
NAO III 02 22 25 15.3–4.0 71.44N 2.54W 3.4L,2.2L
DNK III 02 22 25 18.2–2.3 71.80N 4.80W 0–61 1.7L,2.2L
ISC Event type ke.
IDC Error ellipse: s-maj=27.6km s-min=21.0km az=61.0.
BER Event type ke. Error ellipse: s-maj=10.4km s-min=32.7km az=-1.0. Confirmed Earthquake.
NAO Error ellipse: s-maj=0.2km s-min=0.5km az=-1.0.
DNK Error ellipse: s-maj=32.0km s-min=76.1km az=-1.0.
ISC III 11 03 41 22.1–.63 71.87N–.08 1.78W–.07 10 3.5b,3.1s 68 2-59
NAO III 11 03 41 20.8–2.0 71.72N 1.56W 3.9L,3.1s ¶610323185
IDC III 11 03 41 23.9–.95 71.61N 0.81W 0 3.6,3.5L
BER III 11 03 41 25.0–2.7 71.89N 1.64W 15–42 3.9L,2.5L
ISC Event type ke.
NAO Error ellipse: s-maj=0.1km s-min=0.2km az=-1.0.
IDC Error ellipse: s-maj=21.6km s-min=15.6km az=67.0.
BER Event type ke. Error ellipse: s-maj=8.5km s-min=32.9km az=-1.0. Confirmed Earthquake.
ISC IV 01 00 26 32.1–.75 70.94N–.06 6.79W–.05 16 55 1-37
IDC IV 01 00 26 31.1–1.1 70.79N 7.20W 0 3.7,3.5b ¶610484849
NAO IV 01 00 26 33.5–3.0 70.73N 6.80W 11–44 3.7L,3.5b
BER IV 01 00 26 36.8–2.5 70.83N 7.07W 10 3.7L,2.9L
DNK IV 01 00 26 38.9–1.6 71.17N 7.83W 0–63 1.7L,2.9L
ISC Event type ke.
IDC Error ellipse: s-maj=35.8km s-min=11.4km az=23.0.
NAO Error ellipse: s-maj=0.3km s-min=0.3km az=-1.0.
BER Event type ke. Error ellipse: s-maj=11.2km s-min=20.4km az=-1.0. Confirmed Earthquake.
DNK Error ellipse: s-maj=50.5km s-min=52.3km az=-1.0.
ISC IV 09 05 21 40.3–.86 71.5N–.10 3.3W–.10 10 3.2b,3.0s 13 6-58
IDC IV 09 05 21 40.3–1.4 71.37N 2.91W 0 3.4,3.2s ¶610652279
ISC Event type ke.
IDC Error ellipse: s-maj=27.1km s-min=21.4km az=67.0.
ISC IV 09 16 41 53.2–.82 71.71N–.09 2.64W–.08 10 3.3s,3.1b 36 2-66
IDC IV 09 16 41 54.1–1.3 71.52N 2.02W 0 3.4s,3.4 ¶610525115
BER IV 09 16 41 54.5–1.8 71.40N 3.72W 28–21 2.1L,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=30.7km s-min=20.5km az=48.0.
BER Event type ke. Error ellipse: s-maj=10.4km s-min=24.6km az=-1.0. Confirmed Earthquake.
ISC IV 14 23 43 31.7–.80 71.94N–.07 1.72W–.08 7 3.1s 39 2-59
IDC IV 14 23 43 33.8–2.1 71.65N 1.05W 0 3.6,3.3b ¶610630841
BER IV 14 23 43 33.0–2.4 71.62N 1.90W 15–83 3.6L,2.2L
NAO IV 14 23 43 34.1–4.0 71.75N 0.88W 3.6L,2.2L
DNK IV 14 23 43 43.1–1.9 72.35N 3.78W 18–69 1.5L,2.2L
ISC Event type ke.
IDC Error ellipse: s-maj=35.3km s-min=23.9km az=117.0.
BER Event type ke. Error ellipse: s-maj=18.6km s-min=38.3km az=-1.0. Confirmed Earthquake.
NAO Error ellipse: s-maj=0.2km s-min=0.5km az=-1.0.
DNK Error ellipse: s-maj=32.0km s-min=126.3km az=-1.0.
ISC V 03 05 08 49.0–.51 71.22N–.03 8.55W–.03 17–3 4.7b 595 0-144
IDC V 03 05 08 46.1–.41 71.00N 8.54W 0 4.2,4.2b ¶611833725
MOS V 03 05 08 46.9–1.2 71.31N 8.47W 10 4.8b,4.2b
BJI V 03 05 08 47.0–.00 71.30N 8.40W 10 4.8b,4.2b
NAO V 03 05 08 48.6–1.1 71.16N 8.48W 19–11 5.0L,4.2b
NEIC V 03 05 08 48.7–1.3 71.23N–.08 8.6W–.20 10–1 4.8b,4.2b
BER V 03 05 08 49.0 71.25N 8.89W 4 5.2,5.0L
REY V 03 05 08 50.5 70.83N 9.53W 10 5.2,5.0L
DNK V 03 05 08 52.7–3.6 71.52N 9.42W 3–53 2.9L,5.0L
IEPN V 03 05 08 52.0 71.00N 8.60W 10 2.9L,5.0L
ISC Event type ke.
IDC Error ellipse: s-maj=13.1km s-min=3.8km az=52.0.
MOS Error ellipse: s-maj=15.1km s-min=5.1km az=100.6.
NAO Error ellipse: s-maj=0.1km s-min=0.2km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=12.0km az=202.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BER Event type ke. Confirmed Earthquake.
DNK Error ellipse: s-maj=34.0km s-min=57.0km az=-1.0.
IEPN station LSH has station magnitude of 5.11. station KLMR has station magnitude of 5.32.
station PRGR has station magnitude of 4.74.
ISC V 18 08 11 09.9–1.3 71.8N–.10 2.90W–.09 10 25 6-10
BER V 18 08 11 15.5–2.3 71.62N 2.71W 28–98 3.9 ¶615191569
DNK V 18 08 11 17.9–2.4 72.08N 3.30W 13–79 1.1L
ISC Event type ke.
BER Event type ke. Error ellipse: s-maj=10.6km s-min=36.0km az=-1.0. Confirmed Earthquake.
DNK Error ellipse: s-maj=62.0km s-min=88.8km az=-1.0.
BER VI 10 11 13 41.7–.92 71.24N 7.81W 0–843 1.3L
¶617481128
BER Event type ke. Error ellipse: s-maj=999.9km s-min=999.9km az=-1.0. Confirmed Earthquake.
ISC VI 18 15 21 30.6–.83 71.65N–.06 5.34W–.05 10 48 1-14
NAO VI 18 15 21 30.3–1.0 71.43N 5.12W 3.9L ¶610711895
BER VI 18 15 21 35.3–1.7 71.47N 5.44W 15–16 3.9L,3.2
DNK VI 18 15 21 40.4–3.8 71.76N 5.83W 33–127 1.8L,3.2
ISC Event type ke.
NAO Error ellipse: s-maj=0.2km s-min=0.1km az=-1.0.
BER Event type ke. Error ellipse: s-maj=7.2km s-min=17.6km az=-1.0. Confirmed Earthquake.
DNK Error ellipse: s-maj=102.0km s-min=131.1km az=-1.0.
ISC VI 23 19 35 39.7–1.2 71.04N–.08 7.49W–.07 20 21 0-11
BER VI 23 19 35 37.1–2.7 70.39N 8.81W 10 3.5,2.9L ¶611793204
DNK VI 23 19 35 45.0–3.5 71.25N 7.91W 55–983 2.3L,2.9L
ISC Event type ke.
BER Event type ke. Error ellipse: s-maj=11.1km s-min=37.0km az=-1.0. Confirmed Earthquake.
DNK Error ellipse: s-maj=98.1km s-min=165.3km az=-1.0.

(640) Greenland Sea.

ISC I 06 06 59 57.3–1.7 79.05N–.07 3.04E–.04 15–12 47 2-12
NAO I 06 06 59 58.5–1.9 79.48N 2.50E 2.8L ¶615527734
DNK I 06 07 00 00.7–2.2 79.52N 3.54E 22–23 1.5L
BER I 06 07 00 02.8–1.1 79.51N 2.94E 29–10 2.8L,2.2L
IEPN I 06 07 00 04.0 79.32N 3.74E 10 2.8L,2.2L
KOLA I 06 07 00 04.3 79.26N 4.37E 0 2.3L,2.2L
ISC Event type ke.
NAO Error ellipse: s-maj=0.4km s-min=0.1km az=-1.0.
DNK Error ellipse: s-maj=19.0km s-min=42.9km az=-1.0.
BER Event type ke. Error ellipse: s-maj=4.7km s-min=13.4km az=-1.0. Confirmed Earthquake.
IEPN station ZFI has station magnitude of 4.00.
KOLA Error ellipse: s-maj=17.7km s-min=10.7km az=10.0. Greenland sea,Knipovich ridge, north.
ISC I 16 15 12 56.5–.92 79.08N–.08 2.85E–.04 10 50 2-12
BER I 16 15 13 00.0–1.6 79.11N 2.98E 10 2.9L ¶610101895
NAO I 16 15 13 01.6–4.2 79.86N 6.23E 3.2L
KOLA I 16 15 13 01.6 79.07N 4.22E 0 2.9L
DNK I 16 15 13 01.2–1.8 79.11N 3.30E 36–19 1.8L
IEPN I 16 15 13 04.0 78.94N 4.11E 10 1.8L
ISC Event type ke.
BER Event type ke. Error ellipse: s-maj=10.3km s-min=15.7km az=-1.0. Confirmed Earthquake.
NAO Error ellipse: s-maj=0.5km s-min=0.2km az=-1.0.
KOLA Greenland sea,Knipovich ridge, north.
DNK Error ellipse: s-maj=13.7km s-min=25.5km az=-1.0.
IEPN station ZFI has station magnitude of 3.80.
ISC I 21 00 19 21.1–1.0 74.74N–.06 9.6E–.10 10 3.3b 44 3-62
NAO I 21 00 19 16.9–1.9 74.59N 7.97E 3.3L ¶610114164
IDC I 21 00 19 20.9–1.4 74.65N 9.27E 0 3.5,3.3b
BER I 21 00 19 21.4–2.5 74.66N 8.32E 25–22 3.3L,2.0L
KOLA I 21 00 19 24.5 75.13N 10.01E 0 1.9L,2.0L
IEPN I 21 00 19 25.0 74.72N 9.61E 10 1.9L,2.0L
ISC Event type ke.
NAO Error ellipse: s-maj=0.1km s-min=0.2km az=-1.0.
IDC Error ellipse: s-maj=32.4km s-min=14.0km az=80.0.
BER Event type ke. Error ellipse: s-maj=5.5km s-min=22.4km az=-1.0. Confirmed Earthquake.
KOLA Error ellipse: s-maj=18.6km s-min=13.5km az=120.0. Norwegian sea.
IEPN station SPA0 has station magnitude of 3.30.
ISC I 23 13 10 31.8–1.8 79.72N–.06 2.67E–.05 27–17 53 2-12
NAO I 23 13 10 31.7–2.0 79.86N 2.43E 3.1L ¶615527752
BER I 23 13 10 34.3–2.3 79.66N 2.50E 10 3.1L,2.2L
DNK I 23 13 10 34.0–1.9 79.65N 2.98E 24–17 1.8L,2.2L
IEPN I 23 13 10 37.0 79.63N 3.68E 10 1.8L,2.2L
ISC Event type ke.
NAO Error ellipse: s-maj=0.4km s-min=0.1km az=-1.0.
BER Event type ke. Error ellipse: s-maj=12.9km s-min=24.9km az=-1.0. Confirmed Earthquake.
DNK Error ellipse: s-maj=11.0km s-min=28.1km az=-1.0.
IEPN station ZFI2 has station magnitude of 3.30. station ZFI has station magnitude of 3.60. station
OMEGA has station magnitude of 3.50.
ISC II 24 05 29 38.4–3.4 79.17N–.06 4.2E–.20 10 32 1-12
BER II 24 05 29 37.8–1.9 79.05N 2.98E 10 2.3L ¶611676767
KOLA II 24 05 29 39.3 79.01N 4.22E 0 2.5L
IEPN II 24 05 29 40.0 79.27N 4.38E 10 2.5L
DNK II 24 05 29 40.1–3.7 79.06N 3.16E 36–30 2.2L
ISC Event type ke.
BER Event type ke. Error ellipse: s-maj=17.1km s-min=26.4km az=-1.0. Confirmed Earthquake.
KOLA Greenland sea,Knipovich ridge, north.
IEPN station ZFI has station magnitude of 3.80. station OMEGA has station magnitude of 3.70.
DNK Error ellipse: s-maj=15.7km s-min=49.4km az=-1.0.
BER II 27 00 52 03.1–2.0 79.24N 3.25E 27–24 2.6L,1.9L
NAO II 27 00 51 58.9–1.9 79.28N 3.01E 2.6L,1.9L ¶616051112
DNK II 27 00 52 03.2–1.8 79.20N 3.44E 36–21 1.2L,1.9L
BER Event type ke. Error ellipse: s-maj=11.8km s-min=39.2km az=-1.0. Confirmed Earthquake.
NAO Error ellipse: s-maj=0.4km s-min=0.1km az=-1.0.
DNK Error ellipse: s-maj=15.8km s-min=27.0km az=-1.0.
ISC III 16 09 50 31.4–.69 78.62N–.05 4.80E–.04 10 3.9b,3.4s 71 1-71
NAO III 16 09 50 30.6–1.8 78.68N 4.64E 3.9L,3.4s ¶610424460
BER III 16 09 50 32.7–3.7 78.68N 4.94E 10 3.9L,3.1L
DNK III 16 09 50 35.9–4.8 78.86N 5.25E 36–32 2.6L,3.1L
IEPN III 16 09 50 36.0 78.68N 6.08E 10 2.6L,3.1L
KOLA III 16 09 50 36.0 78.55N 6.92E 0 2.8L,3.1L
IDC III 16 09 50 37.8–1.1 79.28N 7.34E 0 3.8,3.8b
ISC Event type ke.
NAO Error ellipse: s-maj=0.4km s-min=0.2km az=-1.0.
BER Event type ke. Error ellipse: s-maj=13.2km s-min=30.3km az=-1.0. Confirmed Earthquake.
DNK Error ellipse: s-maj=18.1km s-min=59.0km az=-1.0.
IEPN station OMEGA has station magnitude of 4.20.
KOLA Greenland sea,Knipovich ridge, middle.
IDC Error ellipse: s-maj=28.0km s-min=18.7km az=43.0.
ISC III 18 04 30 58.4–.95 79.52N–.04 3.12E–.03 5–5 4.5b,3.7s 318 2-151
NAO III 18 04 30 56.7–2.0 79.72N 3.60E 4.4L,3.7s ¶610344737
NEIC III 18 04 30 58.9–1.4 79.6N–.10 3.5E–.40 10–1 4.5b,3.7s
MOS III 18 04 30 58.3–1.1 79.54N 3.08E 10 4.8b,3.7s
GCMT III 18 04 30 58.9–.30 79.49N–.04 2.9E–.10 17–1 4.8W,3.7s
IDC III 18 04 30 59.0–.39 79.54N 3.12E 0 4.1,4.1b
BER III 18 04 30 59.5–1.4 79.59N 3.62E 10 4.4L,3.4L

KOLA III 18 04 31 01.1 79.28N 4.67E 0 3.5L,3.4L
IEPN III 18 04 31 01.0 79.51N 3.79E 10 3.5L,3.4L
ISC Event type ke. Moment Tensor Solution. NP1:ϕ_s146.96353°,δ51.13623°,λ-159.24519°. NP2: ϕ_s43.58772°,δ73.98278°,λ-40.75409°. Principal axes: T Plg14.3935°,Azm100.0143° ; N Plg46.7282°,Azm205.8336°; P Plg39.7023°,Azm357.7115°
NAO Error ellipse: s-maj=0.3km s-min=0.2km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=17.8km s-min=11.1km az=8.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=36.7km s-min=5.5km az=94.3.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s24,c25; s95,c118;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.65±.11 $M_{\theta\theta}$0.38±.08; $M_{\phi\phi}$1.28±.07; $M_{r\theta}$-1.01±.28; $M_{\theta\phi}$0.40±.05; $M_{\phi r}$-0.14±.17; Best double couple: NP1:ϕ_s45.00000°,δ58.00000°,λ-67.00000°. NP2:ϕ_s185.00000°,δ38.00000°,λ-123.00000°. Principal axes: T 1.5210,Plg11.0000° ,Azm118.0000°; N 0.5540,Plg20.0000°,Azm212.0000°; P -2.0680,Plg67.0000°,Azm1.0000° $M_0$1.79400×10^{16}
IDC Error ellipse: s-maj=12.5km s-min=8.2km az=34.0.
BER Event type ke. Error ellipse: s-maj=8.7km s-min=23.1km az=-1.0. Confirmed Earthquake.
KOLA Error ellipse: s-maj=18.1km s-min=9.7km az=10.0. Greenland sea,Knipovich ridge, north.
IEPN station ZFI has station magnitude of 4.30. station ZFI2 has station magnitude of 4.20. station OMEGA has station magnitude of 4.40. station KLMR has station magnitude of 4.77.
BER III 24 07 23 54.1–1.6 78.55N 3.31W 10 1.4L ¶612298367
BER Event type ke. Error ellipse: s-maj=13.0km s-min=26.6km az=-1.0. Confirmed Earthquake.
BER IV 25 09 27 09.8–1.7 79.12N 3.06E 27–15 1.4L
DNK IV 25 09 26 51.9–1.5 81.63N 4.39E 36–31 1.2L **¶615935563**
BER Event type ke. Error ellipse: s-maj=7.0km s-min=15.6km az=-1.0. Confirmed Earthquake.
DNK Error ellipse: s-maj=26.8km s-min=128.6km az=-1.0.
ISC V 01 02 00 36.6–1.5 74.66N–.05 8.78E–.10 10 44 3-8
BER V 01 02 00 39.9–3.6 74.68N 8.65E 10 3.9,2.8L **¶610650663**
NAO V 01 02 00 40.3–4.5 74.69N 9.76E 2.8L,2.8L
KOLA V 01 02 00 51.0 75.03N 14.06E 0 2.0L,2.8L
ISC Event type ke.
BER Event type ke. Error ellipse: s-maj=6.4km s-min=35.7km az=-1.0. Confirmed Earthquake.
NAO Error ellipse: s-maj=0.1km s-min=0.7km az=-1.0.
KOLA Norwegian sea.
ISC V 05 12 49 47.0–1.4 79.48N–.08 3.07E–.05 10 41 2-11
BER V 05 12 49 50.8–2.3 79.45N 3.12E 10 3.7 **¶611792485**
DNK V 05 12 49 52.8–1.5 79.47N 3.22E 36–26 1.9L
KOLA V 05 12 49 54.5 79.36N 5.14E 0 2.3L
IEPN V 05 12 49 54.0 79.31N 4.22E 10 2.3L
ISC Event type ke.
BER Event type ke. Error ellipse: s-maj=13.1km s-min=22.9km az=-1.0. Confirmed Earthquake.
DNK Error ellipse: s-maj=8.4km s-min=35.2km az=-1.0.
KOLA Error ellipse: s-maj=18.2km s-min=10.0km az=10.0. Greenland sea,Knipovich ridge, north.
IEPN station ZFI has station magnitude of 3.40.
ISC V 06 09 07 15.8–.51 79.00N–.05 2.25E–.04 10 3.5b,3.3s 92 2-73
NAO V 06 09 07 14.6–1.9 79.18N 2.37E 3.6L,3.3s **¶610650668**
DNK V 06 09 07 15.1–4.3 79.08N 2.74E 18–80 2.5L,3.3s
IDC V 06 09 07 16.1–.74 79.09N 2.22E 0 3.5,3.5L
BER V 06 09 07 17.1–2.2 79.09N 2.82E 10 4.4,3.6L
KOLA V 06 09 07 18.7 79.14N 4.20E 0 2.8L,3.6L
IEPN V 06 09 07 21.0 78.80N 4.17E 10 2.8L,3.6L
ISC Event type ke.
NAO Error ellipse: s-maj=0.3km s-min=0.2km az=-1.0.
DNK Error ellipse: s-maj=20.6km s-min=62.7km az=-1.0.
IDC Error ellipse: s-maj=19.0km s-min=13.9km az=29.0.
BER Event type ke. Error ellipse: s-maj=8.4km s-min=21.2km az=-1.0. Confirmed Earthquake.
KOLA Error ellipse: s-maj=26.0km s-min=13.4km az=10.0. Greenland sea,Knipovich ridge, north.
IEPN station ZFI has station magnitude of 4.10. station OMEGA has station magnitude of 4.00.
ISC V 11 09 07 01.5–.83 73.03N–.10 6.5E–.10 11 3.6b 12 6-123
IDC V 11 09 06 59.8–.99 72.95N 6.11E 0 3.4,3.4b **¶610690030**
ISC Event type ke.
IDC Error ellipse: s-maj=22.1km s-min=14.5km az=48.0.
ISC V 14 16 00 38.7–1.0 78.1N–.20 1.29E–.05 10 13 2-6
BER V 14 16 00 46.5–1.6 79.30N 2.30E 10 2.8 **¶615191536**
DNK V 14 16 00 47.2–1.3 79.45N 2.63E 36–29 0.9L
ISC Event type ke.
BER Event type ke. Error ellipse: s-maj=21.4km s-min=21.4km az=-1.0. Confirmed Earthquake.
DNK Error ellipse: s-maj=45.2km s-min=44.8km az=-1.0.
ISC V 15 21 06 20.2–.88 75.79N–.06 7.20E–.05 10 45 2-10
BER V 15 21 06 24.4–3.5 75.49N 7.59E 10 3.6,2.6L **¶610656254**
NAO V 15 21 06 26.8–3.9 75.62N 9.01E 2.6L,2.6L
DNK V 15 21 06 27.4–2.4 75.74N 6.90E 27–38 1.2L,2.6L
IEPN V 15 21 06 27.0 75.47N 8.64E 10 1.2L,2.6L
ISC Event type ke.
BER Event type ke. Error ellipse: s-maj=8.4km s-min=27.8km az=-1.0. Confirmed Earthquake.
NAO Error ellipse: s-maj=0.1km s-min=0.6km az=-1.0.
DNK Error ellipse: s-maj=19.6km s-min=93.6km az=-1.0.
IEPN station SPA0 has station magnitude of 2.60.
ISC V 17 18 25 46.6–.53 74.69N–.04 9.86E–.06 10 4.1b,3.4s 150 3-121
NAO V 17 18 25 41.9–1.5 74.61N 8.26E 4.3L,3.4s **¶610641844**
IDC V 17 18 25 45.7–.65 74.63N 9.25E 0 4.0,4.0b
IEPN V 17 18 25 46.0 74.71N 9.67E 10 4.0,4.0b
NEIC V 17 18 25 46.7–1.6 74.78N–.08 9.2E–.40 10–2 4.1b,4.0b
BER V 17 18 25 46.4–3.6 74.71N 8.49E 15–31 4.4,4.3L
DNK V 17 18 25 48.5–1.6 74.70N 7.75E 36–144 2.2L,4.3L
KOLA V 17 18 25 49.2 74.63N 10.25E 0 2.7L,4.3L
ISC Event type ke.
NAO Error ellipse: s-maj=0.1km s-min=0.2km az=-1.0.
IDC Error ellipse: s-maj=14.0km s-min=9.0km az=68.0.
IEPN station SPA0 has station magnitude of 4.20.
NEIC Event type se. Error ellipse: s-maj=19.3km s-min=13.2km az=272.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BER Event type ke. Error ellipse: s-maj=7.8km s-min=45.5km az=-1.0. Confirmed Earthquake.
DNK Error ellipse: s-maj=18.4km s-min=147.6km az=-1.0.
KOLA Error ellipse: s-maj=72.0km s-min=25.3km az=30.0. Norwegian sea.
ISC V 22 05 07 14.9–1.6 75.10N–.07 8.41E–.09 10 44 3-10
NAO V 22 05 07 18.3–4.0 75.17N 8.56E 2.5L **¶610668985**
BER V 22 05 07 18.1–3.3 75.11N 8.29E 10 3.6,2.5L
KOLA V 22 05 07 22.3 75.45N 9.75E 0 2.0L,2.5L
IEPN V 22 05 07 24.0 75.46N 8.85E 10 2.0L,2.5L
ISC Event type ke.
NAO Error ellipse: s-maj=0.1km s-min=0.5km az=-1.0.
BER Event type ke. Error ellipse: s-maj=8.5km s-min=27.2km az=-1.0. Confirmed Earthquake.
KOLA Error ellipse: s-maj=21.7km s-min=13.8km az=100.0.
IEPN station SPA0 has station magnitude of 2.54.
BER V 23 09 29 20.5–2.0 74.69N 8.35E 10 3.5 ¶615191609
BER Event type ke. Error ellipse: s-maj=15.7km s-min=28.7km az=-1.0. Confirmed Earthquake.
ISC V 26 07 01 53.7–.77 73.81N–.05 9.65E–.06 10 3.3b,3.1s 63 3-68
IDC V 26 07 01 54.0–1.1 73.66N 8.80E 0 3.2,3.2b **¶610685413**
BER V 26 07 01 55.4–1.9 73.80N 8.63E 10 3.9,3.3L
NAO V 26 07 01 56.3–4.7 73.92N 9.66E 3.3L,3.3L
KOLA V 26 07 01 57.8 74.08N 9.90E 0 2.4L,3.3L
IEPN V 26 07 01 57.0 73.82N 10.59E 10 2.4L,3.3L
DNK V 26 07 02 15.3–4.0 75.73N 4.64E 0–94 0.9L,3.3L
ISC Event type ke.
IDC Error ellipse: s-maj=44.8km s-min=16.4km az=40.0.
BER Event type ke. Error ellipse: s-maj=5.4km s-min=20.8km az=-1.0. Confirmed Earthquake.
NAO Error ellipse: s-maj=0.2km s-min=0.6km az=-1.0.
KOLA Error ellipse: s-maj=36.5km s-min=15.7km az=120.0. Norwegian sea,Knipovich ridge, south.
IEPN station SPA0 has station magnitude of 3.30.
DNK Error ellipse: s-maj=69.1km s-min=201.5km az=-1.0.
ISC V 31 03 01 31.4–.84 79.49N–.06 2.96E–.04 10 45 2-12
DNK V 31 03 01 37.6–2.1 79.52N 3.34E 35–25 1.5L **¶611792762**
BER V 31 03 01 37.9–3.0 79.42N 3.21E 22–24 3.5
IEPN V 31 03 01 38.0 79.46N 4.57E 10 3.5
KOLA V 31 03 01 39.8 79.41N 5.27E 0 2.1L
ISC Event type ke.
DNK Error ellipse: s-maj=9.3km s-min=58.6km az=-1.0.
BER Event type ke. Error ellipse: s-maj=12.8km s-min=31.6km az=-1.0. Confirmed Earthquake.
IEPN station ZFI has station magnitude of 3.80. station OMEGA has station magnitude of 3.60.
KOLA Error ellipse: s-maj=19.6km s-min=11.2km az=20.0. Greenland sea,Knipovich ridge, north.
ISC VI 03 11 04 20.0–.85 79.03N–.08 4.23E–.04 10 19 1-7
BER VI 03 11 04 24.4–1.8 79.35N 3.93E 10 2.7 **¶611792907**
DNK VI 03 11 04 25.4–4.1 78.54N 5.00E 25–37 0.6L
ISC Event type ke.
BER Event type ke. Error ellipse: s-maj=19.4km s-min=25.6km az=-1.0. Confirmed Earthquake.
DNK Error ellipse: s-maj=20.6km s-min=57.5km az=-1.0.
ISC VI 05 08 23 29.7–2.6 74.49N–.04 9.64E–.09 25–24 3.8b,3.5s 57 3-122
NAO VI 05 08 23 23.8–2.0 74.33N 8.25E 3.5L,3.5s **¶610711888**
BER VI 05 08 23 28.5–2.5 74.46N 9.46E 1–27 4.1,3.5L
DNK VI 05 08 23 28.8–2.9 74.49N 8.16E 36–66 2.0L,3.5L
KOLA VI 05 08 23 29.1 74.73N 8.91E 0 1.8L,3.5L
IEPN VI 05 08 23 30.0 74.34N 9.73E 10 1.8L,3.5L
IDC VI 05 08 23 30.8–1.7 74.47N 11.04E 0 4.0b,3.9
ISC Event type ke.
NAO Error ellipse: s-maj=0.1km s-min=0.3km az=-1.0.
BER Event type ke. Error ellipse: s-maj=8.2km s-min=77.5km az=-1.0. Confirmed Earthquake.
DNK Error ellipse: s-maj=48.2km s-min=138.4km az=-1.0.
KOLA Error ellipse: s-maj=28.9km s-min=22.7km az=90.0. Norwegian sea,Knipovich ridge, south.
IEPN station SPA0 has station magnitude of 3.40.
IDC Error ellipse: s-maj=31.1km s-min=10.2km az=79.0.
BER VI 05 08 43 30.3–1.3 73.97N 9.18E 10 3.5 ¶615935717
BER Event type ke. Error ellipse: s-maj=10.9km s-min=40.4km az=-1.0. Confirmed Earthquake.
DNK VI 06 12 11 38.5–3.8 75.57N 16.94W 20–38 1.7L ¶617195725
DNK Error ellipse: s-maj=9.0km s-min=107.0km az=-1.0.
ISC VI 08 00 03 19.6–.78 78.81N–.07 3.90E–.03 10 31 2-12
BER VI 08 00 03 25.4–1.9 78.73N 4.01E 10 3.2 **¶611792958**
DNK VI 08 00 03 25.9–1.6 78.84N 4.37E 34–14 1.2L
IEPN VI 08 00 03 27.0 78.58N 5.33E 10 1.2L
ISC Event type ke.
BER Event type ke. Error ellipse: s-maj=17.1km s-min=18.4km az=-1.0. Confirmed Earthquake.
DNK Error ellipse: s-maj=7.7km s-min=22.3km az=-1.0.
IEPN station ZFI has station magnitude of 3.40. station OMEGA has station magnitude of 3.30.
ISC VI 09 20 49 52.3–.37 79.89N–.03 0.80E–.03 16–2 5.2b,4.7s 1311 2-176
BGR VI 09 20 49 13.6 84.54N 2.80W 10 5.0b,4.4s **¶611834068**
DNK VI 09 20 49 48.8–5.7 80.02N 0.31E 5 3.7L,4.4s
BJI VI 09 20 49 49.0–.00 80.00N 0.70E 10 5.4s,5.2b
NEIC VI 09 20 49 50.7 79.93N 0.60E 20 5.4s,5.2b
NEIC VI 09 20 49 50.7 80.13N 0.60E 20 5.4s,5.2b
NEIC VI 09 20 49 50.8–1.7 79.93N–.08 0.6E–.30 10–1 5.3,5.2b
IDC VI 09 20 49 50.4–.35 79.97N 1.08E 0 4.8,4.8b
MOS VI 09 20 49 50.3–1.0 79.87N 0.52E 14 5.3b,4.5s
BER VI 09 20 49 50.1–3.2 80.03N 1.28E 10 5.7,5.6L
GCMT VI 09 20 49 51.8–.10 80.02N–.01 0.60E–.04 15–0 5.3W,5.6L
KOLA VI 09 20 49 53.9 80.08N 4.15E 0 4.0L,5.6L
IEPN VI 09 20 49 55.0 79.96N 4.01E 10 4.0L,5.6L
ISC Event type ke.
BGR Event type ke.
DNK Error ellipse: s-maj=22.5km s-min=105.1km az=-1.0.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2s2 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.18 $M_{\theta\theta}$-0.65 $M_{\phi\phi}$0.84 $M_{r\theta}$-0.07 $M_{\theta\phi}$-0.48 $M_{\phi r}$-0.61 NP1:ϕ_s26.21000°,δ89.37000° ,λ-33.48000°. NP2:ϕ_s116.63000°,δ56.52000°,λ-179.25000°. Principal axes: T 1.2095,Plg22.0000°,Azm77.0000°; N -0.3111,Plg57.0000°,Azm205.0000° ; P -0.8983,Plg23.0000°,Azm336.0000° $M_0$1.05000×10^{17}
NEIC Event type se. Error ellipse: s-maj=13.0km s-min=9.1km az=7.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=10.8km s-min=7.7km az=34.0.
MOS Error ellipse: s-maj=23.5km s-min=3.6km az=94.3.
BER Event type ke. Error ellipse: s-maj=11.1km s-min=33.4km az=-1.0. Confirmed Earthquake.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s100,c143; s139,c264;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.03±.02 $M_{\theta\theta}$-0.93±.02; $M_{\phi\phi}$0.95±.02; $M_{r\theta}$0.08±.05; $M_{\theta\phi}$-0.45±.01; $M_{\phi r}$-0.40±.05; Best double couple: NP1:ϕ_s214.00000°,δ78.00000°,λ14.00000°. NP2:ϕ_s121.00000°,δ77.00000°,λ167.00000°. Principal axes: T 1.1950,Plg18.0000° ,Azm77.0000°; N -0.1590,Plg72.0000°,Azm255.0000°; P -1.0360,Plg1.0000°,Azm347.0000° $M_0$1.11500×10^{17}
KOLA Error ellipse: s-maj=30.2km s-min=11.0km az=40.0. Greenland sea,Knipovich ridge, north.
IEPN station ZFI has station magnitude of 5.30. station OMEGA has station magnitude of 5.30. station KLMR has station magnitude of 5.74. station PRGR has station magnitude of 6.05.
ISC VI 12 16 43 54.3–.82 73.56N–.05 6.81E–.05 10 32 3-9
BER VI 12 16 44 01.5–2.8 73.30N 6.44E 10 3.8,2.9L **¶610711893**
NAO VI 12 16 44 02.2–6.5 73.35N 7.41E 2.9L,2.9L
ISC Event type ke.
BER Event type ke. Error ellipse: s-maj=7.0km s-min=22.4km az=-1.0. Confirmed Earthquake.
NAO Error ellipse: s-maj=0.3km s-min=0.8km az=-1.0.
ISC VI 14 23 37 43.1–1.8 79.44N–.06 3.04E–.04 8–14 25 2-11
BER VI 14 23 37 48.1–1.8 79.53N 3.19E 10 2.9 **¶611793070**
DNK VI 14 23 37 50.5–2.2 79.48N 3.43E 36–17 1.3L
ISC Event type ke.
BER Event type ke. Error ellipse: s-maj=9.4km s-min=19.2km az=-1.0. Confirmed Earthquake.
DNK Error ellipse: s-maj=9.3km s-min=30.9km az=-1.0.
ISC VI 19 02 19 32.7–.79 79.50N–.04 3.19E–.03 5–4 4.4b,3.6s 291 2-152
NAO VI 19 02 19 30.5–2.0 79.80N 3.62E 4.5L,3.6s **¶610681621**
MOS VI 19 02 19 32.3–1.6 79.43N 3.51E 10 4.6b,3.6s
KOLA VI 19 02 19 33.4 79.63N 4.68E 0 3.4L,3.6s
NEIC VI 19 02 19 33.1–1.6 79.5N–.10 4.3E–.40 10–1 4.5b,3.6s
GCMT VI 19 02 19 33.2–.40 79.43N–.06 2.6E–.20 19–1 4.7W,3.6s
IDC VI 19 02 19 33.2–.58 79.54N 3.27E 0 4.1,4.0b
DNK VI 19 02 19 34.7–2.2 79.65N 4.01E 36–24 2.7L,4.0b
BER VI 19 02 19 35.0–2.2 79.76N 3.76E 30–52 4.5L,4.3
IEPN VI 19 02 19 36.0 79.62N 5.24E 10 4.5L,4.3
ISC Event type ke.
NAO Error ellipse: s-maj=0.3km s-min=0.1km az=-1.0.
MOS Error ellipse: s-maj=34.3km s-min=5.5km az=95.0.
KOLA Error ellipse: s-maj=27.5km s-min=10.6km az=20.0. Greenland sea,Knipovich ridge, north.
NEIC Event type se. Error ellipse: s-maj=20.6km s-min=11.0km az=24.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s13,c14; s66,c88;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.22±.14 $M_{\theta\theta}$0.22±.09; $M_{\phi\phi}$0.99±.09; $M_{r\theta}$-0.55±.28; $M_{\theta\phi}$0.59±.06; $M_{\phi r}$-0.16±.18; Best double couple: NP1:ϕ_s45.00000°,δ56.00000°,λ-70.00000°. NP2:ϕ_s192.00000°,δ39.00000°,λ-117.00000°. Principal axes: T 1.3810,Plg9.0000° ,Azm121.0000°; N 0.0200,Plg17.0000°,Azm214.0000°; P -1.4040,Plg71.0000°,Azm3.0000° $M_0$1.39200×10^{16}
IDC Error ellipse: s-maj=13.1km s-min=11.1km az=46.0.
DNK Error ellipse: s-maj=13.5km s-min=44.7km az=-1.0.
BER Event type ke. Error ellipse: s-maj=14.6km s-min=40.8km az=-1.0. Confirmed Earthquake.
IEPN station ZFI has station magnitude of 4.60. station OMEGA has station magnitude of 4.60. station KLMR has station magnitude of 4.64. station PRGR has station magnitude of 5.01.
ISC VI 19 02 23 21.6–.82 79.55N–.06 3.78E–.05 16 3.4b 73 2-66
NAO VI 19 02 23 20.4–2.0 79.64N 3.41E 3.4L **¶610759405**
IDC VI 19 02 23 20.8–1.9 79.73N 3.20E 0 3.6,3.4b
IEPN VI 19 02 23 24.0 79.32N 4.30E 10 3.6,3.4b
DNK VI 19 02 23 24.9–2.1 79.55N 3.62E 36–24 2.2L,3.4b
BER VI 19 02 23 24.3–2.6 79.62N 3.59E 30–30 4.1,3.4L
KOLA VI 19 02 23 24.8 79.30N 4.57E 0 3.1L,3.4L
ISC Event type ke.
NAO Error ellipse: s-maj=0.3km s-min=0.1km az=-1.0.
IDC Error ellipse: s-maj=40.9km s-min=22.0km az=24.0.
IEPN station ZFI has station magnitude of 3.70. station OMEGA has station magnitude of 3.60.
DNK Error ellipse: s-maj=9.2km s-min=57.6km az=-1.0.
BER Event type ke. Error ellipse: s-maj=17.4km s-min=28.9km az=-1.0. Confirmed Earthquake.

KOLA Error ellipse: s-maj=20.3km s-min=10.8km az=10.0. Greenland sea,Knipovich ridge, north.
ISC VI 19 07 19 09.6–1.1 79.1N–.10 3.66E–.04 12 17 2-11
BER VI 19 07 19 15.0–2.4 79.42N 3.54E 10 3.0 ¶611793126
DNK VI 19 07 19 16.2–3.8 79.29N 3.88E 36–34 1.9L
ISC Event type ke.
BER Event type ke. Error ellipse: s-maj=24.0km s-min=26.6km az=-1.0. Confirmed Earthquake.
DNK Error ellipse: s-maj=26.8km s-min=51.1km az=-1.0.
ISC VI 22 06 40 40.2–.79 78.84N–.07 4.42E–.04 10 35 1-12
BER VI 22 06 40 44.3–2.2 78.85N 4.74E 10 3.6 ¶611793172
DNK VI 22 06 40 46.0–2.2 78.70N 4.98E 36–25 1.7L
IEPN VI 22 06 40 47.0 78.64N 6.05E 10 1.7L
ISC Event type ke.
BER Event type ke. Error ellipse: s-maj=8.1km s-min=18.6km az=-1.0. Confirmed Earthquake.
DNK Error ellipse: s-maj=10.3km s-min=56.3km az=-1.0.
IEPN station ZFI has station magnitude of 3.60. station OMEGA has station magnitude of 3.50.

(641) North of Svalbard.

ISC I 16 20 18 49.2–.88 81.02N–.06 3.56W–.04 35 42 2-14
DNK I 16 20 18 51.0–1.7 81.01N 3.03W 31–16 2.1L ¶610101902
BER I 16 20 18 52.0–1.7 80.98N 3.39W 25–18 3.7L,2.2L
ISC Event type ke.
DNK Error ellipse: s-maj=9.7km s-min=33.1km az=-1.0.
BER Event type ke. Error ellipse: s-maj=8.0km s-min=22.4km az=-1.0. Confirmed Earthquake.
ISC I 29 20 13 02.0–.88 80.16N–.05 1.04W–.04 35 59 3-14
DNK I 29 20 13 03.1–1.8 80.23N 0.76W 32–20 2.1L ¶610159176
BER I 29 20 13 04.0–1.1 80.22N 1.15W 28–10 3.4L,2.6L
IEPN I 29 20 13 05.0 79.97N 0.49W 10 3.4L,2.6L
KOLA I 29 20 13 09.8 80.43N 3.96E 0 2.4L,2.6L
ISC Event type ke.
DNK Error ellipse: s-maj=7.8km s-min=52.7km az=-1.0.
BER Event type ke. Error ellipse: s-maj=4.7km s-min=12.8km az=-1.0. Confirmed Earthquake.
IEPN station ZFI2 has station magnitude of 3.50.
KOLA Error ellipse: s-maj=39.5km s-min=12.4km az=40.0. Greenland sea.
ISC II 19 05 22 43.6–.54 82.51N–.06 6.19W–.04 10 4.2b,3.6s 118 2-95
DNK II 19 05 22 43.9–3.5 82.51N 5.97W 18–46 2.8L,3.6s ¶614403733
NEIC II 19 05 22 43.1–2.7 82.85N–.09 5.8W–.40 10–1 4.4b,3.6s
IDC II 19 05 22 44.9–.77 82.41N 7.90W 0 3.9,3.8b
GCMT II 19 05 22 45.2–.40 82.50N–.05 7.0W–.20 12 4.7W,3.8b
IEPN II 19 05 22 46.0 82.59N 5.26W 10 4.7W,3.8b
BER II 19 05 22 47.5–2.9 82.50N 6.16W 24–36 3.9L,2.6L
KOLA II 19 05 22 52.0 82.42N 2.62W 0 3.0L,2.6L
ISC Event type ke.
DNK Error ellipse: s-maj=20.7km s-min=97.7km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=15.5km s-min=7.8km az=3.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=26.5km s-min=14.0km az=46.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s14,c15; s75,c95;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-0.91±.07 $M_{\theta\theta}$-0.19±.07; $M_{\phi\phi}$1.10±.05; $M_{r\theta}$-1.06±.31; $M_{\theta\phi}$0.08±.05; $M_{\phi r}$0.10±.19; Best double couple: NP1:ϕ_s152.00000°,δ57.00000°,λ-134.00000°. NP2:ϕ_s33.00000°,δ53.00000°,λ-43.00000°. Principal axes: T 1.1060,Plg2.0000° ,Azm272.0000°; N 0.5710,Plg36.0000°,Azm180.0000°; P -1.6760,Plg54.0000°,Azm5.0000° $M_0$1.39100×10^{16}
IEPN station ZFI has station magnitude of 3.80. station LSH has station magnitude of 5.02. station KLMR has station magnitude of 4.87.
BER Event type ke. Error ellipse: s-maj=32.8km s-min=47.1km az=-1.0. Confirmed Earthquake.
KOLA Arctic Ocean,Knipovich ridge, north.
BER II 25 23 59 05.8–1.5 81.39N 3.33W 10 2.0L
IEPN II 25 23 59 05.0 81.45N 2.82W 10 2.0L ¶611676805
DNK II 25 23 59 06.8–2.0 81.47N 3.07W 36–44 1.9L
KOLA II 25 23 59 12.2 81.35N 0.31E 0 2.2L
BER Event type ke. Error ellipse: s-maj=8.8km s-min=26.8km az=-1.0. Confirmed Earthquake.
IEPN station OMEGA has station magnitude of 3.60. station ZFI has station magnitude of 3.60.
DNK Error ellipse: s-maj=23.4km s-min=89.5km az=-1.0.
KOLA Error ellipse: s-maj=68.9km s-min=15.3km az=50.0. Arctic Ocean,Knipovich ridge, north.
BER II 28 10 46 58.1–1.8 82.16N 6.57W 10 1.4L
DNK II 28 10 46 55.2–1.7 82.56N 5.90W 36–999 1.2L ¶614403759
BER Event type ke. Error ellipse: s-maj=30.8km s-min=54.8km az=-1.0. Confirmed Earthquake.
DNK Error ellipse: s-maj=17.6km s-min=58.6km az=-1.0.
BER III 03 08 48 50.8–2.1 80.70N 2.53W 10 1.5L
DNK III 03 08 48 50.3–2.7 80.89N 1.90W 36–25 1.2L ¶611676955
BER Event type ke. Error ellipse: s-maj=11.2km s-min=32.7km az=-1.0. Confirmed Earthquake.
DNK Error ellipse: s-maj=12.7km s-min=53.2km az=-1.0.
ISC III 08 04 09 16.0–3.9 84.8N–.20 16.9E–.10 10 22 5-10
IEPN III 08 04 09 10.0 85.43N 17.64E 10 ¶611677052
ISC Event type ke.
IEPN station ZFI has station magnitude of 3.10. station ZFI2 has station magnitude of 2.90. station OMEGA has station magnitude of 3.10.
ISC III 08 18 51 08.4–.50 85.00N–.05 13.34E–.06 10 3.8b,3.3s 108 5-125
IDC III 08 18 51 06.8–.58 85.21N 12.46E 0 4.6L,3.7 ¶610424448
NEIC III 08 18 51 08.1–2.6 85.1N–.10 9E–2.0 10–2 4.3b,3.7
IEPN III 08 18 51 10.0 85.21N 12.08E 10 4.3b,3.7
KOLA III 08 18 51 12.1 85.02N 7.11E 0 1.9L,3.7
ISC Event type se.
IDC Error ellipse: s-maj=17.9km s-min=12.7km az=65.0.
NEIC Event type se. Error ellipse: s-maj=27.0km s-min=15.1km az=51.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IEPN station ZFI2 has station magnitude of 3.90. station OMEGA has station magnitude of 4.00. station LSH has station magnitude of 4.90. station KLMR has station magnitude of 4.82.
KOLA Error ellipse: s-maj=125.1km s-min=25.2km az=80.0. Arctic Ocean,Gakkel ridge.
ISC III 08 19 39 40.6–1.1 84.97N–.08 13.82E–.08 10 3.5b,3.1s 37 6-71
IDC III 08 19 39 38.7–1.4 85.16N 12.52E 0 4.2L,3.7 ¶610545830
IEPN III 08 19 39 40.0 85.40N 14.05E 10 4.2L,3.7
KOLA III 08 19 39 43.6 85.03N 10.62E 0 2.5L,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=42.3km s-min=20.0km az=86.0.
IEPN station OMEGA has station magnitude of 3.50.
KOLA Error ellipse: s-maj=111.1km s-min=21.1km az=90.0. Arctic Ocean,Gakkel ridge.
IEPN III 24 07 23 13.0 85.00N 13.72E 10
¶616603837
IEPN station ZFI has station magnitude of 3.20. station OMEGA has station magnitude of 3.20.
BER III 24 07 27 50.1–1.4 82.62N 6.20W 10 1.7L
DNK III 24 07 27 48.2–2.7 83.02N 6.13W 36–74 1.5L ¶611677294
BER Event type ke. Error ellipse: s-maj=18.9km s-min=33.2km az=-1.0. Confirmed Earthquake.
DNK Error ellipse: s-maj=51.9km s-min=166.1km az=-1.0.
BER IV 17 23 56 05.0–1.9 82.52N 6.05W 14–63 1.7L
DNK IV 17 23 56 00.7–4.4 83.03N 5.64W 36–119 0.9L ¶615191291
BER Event type ke. Error ellipse: s-maj=76.9km s-min=64.9km az=-1.0. Confirmed Earthquake.
DNK Error ellipse: s-maj=125.5km s-min=142.3km az=-1.0.
BER IV 19 06 13 37.0–1.7 81.89N 4.62W 10 2.1L
DNK IV 19 06 13 38.0–2.6 81.90N 3.78W 34–25 2.3L ¶611677519
IEPN IV 19 06 13 40.0 81.81N 2.97W 10 2.3L
KOLA IV 19 06 13 45.9 82.21N 5.85E 0 1.8L
BER Event type ke. Error ellipse: s-maj=9.8km s-min=26.6km az=-1.0. Confirmed Earthquake.
DNK Error ellipse: s-maj=20.8km s-min=67.9km az=-1.0.
IEPN station OMEGA has station magnitude of 3.60. station ZFI has station magnitude of 3.70.
KOLA Error ellipse: s-maj=68.9km s-min=16.1km az=70.0. Arctic Ocean.
ISC V 02 02 10 53.7–.77 85.60N–.07 29.94E–.07 10 3.5b,3.1s 52 5-73
IDC V 02 02 10 51.2–.70 85.93N 29.57E 0 3.9L,3.6 ¶610689358
KOLA V 02 02 10 56.9 85.85N 26.25E 0 2.4L,3.6
IEPN V 02 02 10 56.3 85.80N 32.53E 10 2.4L,3.6
DNK V 02 02 11 41.0–.34 82.60N 7.29E 20–10 1.4L,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=22.3km s-min=14.2km az=74.0.
KOLA Arctic Ocean,Gakkel ridge.
IEPN station ZFI has station magnitude of 3.40. station OMEGA has station magnitude of 3.40.
DNK Error ellipse: s-maj=11.2km s-min=60.5km az=-1.0.
ISC V 06 04 28 59.1–1.6 81.47N–.08 3.28W–.07 10 28 2-8
DNK V 06 04 29 02.8–2.4 81.47N 3.13W 29–36 1.3L ¶611792491
BER V 06 04 29 05.7–1.6 81.18N 3.77W 10 3.1
IEPN V 06 04 29 06.0 81.30N 2.36W 10 3.1
ISC Event type ke.
DNK Error ellipse: s-maj=24.2km s-min=54.8km az=-1.0.
BER Event type ke. Error ellipse: s-maj=13.6km s-min=26.5km az=-1.0. Confirmed Earthquake.
IEPN station ZFI has station magnitude of 3.40.
ISC V 07 17 21 54.8–1.2 81.73N–.08 3.46W–.05 10 43 2-12
DNK V 07 17 21 55.8–2.6 82.01N 2.39W 22–25 2.0L ¶611792510
BER V 07 17 21 58.5–2.6 81.75N 3.77W 10 3.3
IEPN V 07 17 22 00.0 81.74N 3.52W 10 3.3
KOLA V 07 17 22 02.2 82.17N 1.71E 0 2.2L
ISC Event type ke.
DNK Error ellipse: s-maj=18.1km s-min=68.1km az=-1.0.
BER Event type ke. Error ellipse: s-maj=13.5km s-min=36.5km az=-1.0. Confirmed Earthquake.
IEPN station ZFI has station magnitude of 3.50. station OMEGA has station magnitude of 3.60.
KOLA Error ellipse: s-maj=97.5km s-min=19.7km az=50.0. Arctic Ocean.
ISC V 08 04 48 54.3–.35 81.71N–.05 4.83W–.03 10 4.4b,3.7s 201 2-99
NEIC V 08 04 48 53.6–1.5 81.70N–.09 5.0W–.30 10–1 4.5b,3.7s ¶610617958
MOS V 08 04 48 53.8–2.0 81.57N 4.40W 10 4.6b,3.7s
IDC V 08 04 48 56.7–.62 81.65N 4.12W 0 4.2L,3.9
IEPN V 08 04 48 57.0 81.71N 3.21W 10 4.2L,3.9
GCMT V 08 04 48 57.6–.30 81.65N–.04 4.5W–.10 14–1 4.8W,3.9
BER V 08 04 48 57.9–3.9 81.71N 3.65W 10 4.1,3.7L
DNK V 08 04 48 58.5–1.7 81.74N 3.51W 36–23 2.8L,3.7L
KOLA V 08 04 49 04.0 81.66N 0.55W 0 3.1L,3.7L
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=17.3km s-min=2.9km az=25.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=39.6km s-min=7.3km az=93.4.
IDC Error ellipse: s-maj=17.3km s-min=12.6km az=39.0.
IEPN station ZFI has station magnitude of 4.20. station OMEGA has station magnitude of 4.20.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s17,c19; s84,c117;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-1.38±.12 $M_{\theta\theta}$-0.18±.07; $M_{\phi\phi}$1.56±.08; $M_{r\theta}$-0.92±.24; $M_{\theta\phi}$0.09±.04; $M_{\phi r}$0.19±.15; Best double couple: NP1:ϕ_s157.00000°,δ55.00000°,λ-126.00000°. NP2:ϕ_s28.00000°,δ49.00000°,λ-51.00000°. Principal axes: T 1.5730,Plg3.0000° ,Azm271.0000°; N 0.3180,Plg28.0000°,Azm179.0000°; P -1.8950,Plg61.0000°,Azm7.0000° $M_0$1.73400×10^{16}
BER Event type ke. Error ellipse: s-maj=19.4km s-min=53.1km az=-1.0. Confirmed Earthquake.
DNK Error ellipse: s-maj=12.3km s-min=42.6km az=-1.0.
KOLA Error ellipse: s-maj=74.8km s-min=15.9km az=50.0. Arctic Ocean,Knipovich ridge, north.
ISC V 08 06 52 47.6–1.2 81.63N–.08 3.58W–.05 10 42 2-9
BER V 08 06 52 50.3–3.2 81.73N 3.87W 6–23 3.3 ¶611792515
IEPN V 08 06 52 52.0 81.76N 2.64W 10 3.3
DNK V 08 06 52 52.4–1.6 81.68N 3.46W 36–29 1.7L
KOLA V 08 06 52 55.8 81.51N 2.26W 0 1.3L
ISC Event type ke.
BER Event type ke. Error ellipse: s-maj=19.7km s-min=44.5km az=-1.0. Confirmed Earthquake.
IEPN station ZFI has station magnitude of 3.40. station OMEGA has station magnitude of 3.30.
DNK Error ellipse: s-maj=18.5km s-min=40.7km az=-1.0.
KOLA Error ellipse: s-maj=68.9km s-min=17.2km az=40.0. Greenland sea,Arctic Ocean,Knipovich ridge, north.
ISC V 10 10 30 20.8–1.8 82.2N–.10 5.42W–.05 10 20 2-8
DNK V 10 10 30 23.3–1.6 82.52N 5.23W 36–24 1.2L ¶615191497
BER V 10 10 30 25.9–2.1 81.98N 6.23W 10 3.2
ISC Event type ke.
DNK Error ellipse: s-maj=24.2km s-min=47.0km az=-1.0.
BER Event type ke. Error ellipse: s-maj=33.0km s-min=64.5km az=-1.0. Confirmed Earthquake.
ISC V 12 23 32 52.2–.00 80.11N–.07 0.91W–.05 10 50 3-11
BER V 12 23 32 56.9–1.8 80.14N 0.84W 20–14 3.5 ¶610656250
DNK V 12 23 32 57.5–2.7 80.21N 0.21W 36–25 2.0L
KOLA V 12 23 32 59.4 80.59N 3.22E 0 2.1L
ISC Event type ke.
BER Event type ke. Error ellipse: s-maj=7.4km s-min=20.3km az=-1.0. Confirmed Earthquake.
DNK Error ellipse: s-maj=12.3km s-min=48.5km az=-1.0.
KOLA Error ellipse: s-maj=42.5km s-min=13.4km az=40.0. Greenland sea.
ISC V 16 00 15 49.9–.80 80.77N–.06 3.77W–.05 10 3.5b 70 2-68
DNK V 16 00 15 52.2–2.4 80.97N 3.20W 21–25 2.1L ¶610668982
IEPN V 16 00 15 53.0 80.86N 2.34W 10 2.1L
BER V 16 00 15 54.0–3.3 80.94N 3.64W 28–31 3.6L,3.6
KOLA V 16 00 15 55.2 81.21N 0.56W 0 2.7L,3.6
IDC V 16 00 15 57.1–2.6 81.36N 0.81E 0 3.9L,3.6s
ISC Event type ke.
DNK Error ellipse: s-maj=11.1km s-min=83.6km az=-1.0.
IEPN station OMEGA has station magnitude of 3.60. station ZFI has station magnitude of 3.60.
BER Event type ke. Error ellipse: s-maj=14.5km s-min=39.1km az=-1.0. Confirmed Earthquake.
KOLA Error ellipse: s-maj=75.7km s-min=17.2km az=40.0. Greenland sea,Knipovich ridge, north.
IDC Error ellipse: s-maj=46.8km s-min=26.7km az=107.0.
ISC V 20 10 04 58.1–4.4 80.37N–.05 1.82W–.05 8–28 3.4b,3.1s 60 3-67
IDC V 20 10 04 59.2–.86 80.39N 2.24W 0 3.6,3.5b ¶610668984
BER V 20 10 05 00.4–2.9 80.48N 2.17W 22–22 4.0L,3.3
DNK V 20 10 05 00.9–2.9 80.33N 1.89W 36–52 2.1L,3.3
IEPN V 20 10 05 02.0 80.24N 1.51W 10 2.1L,3.3
ISC Event type ke.
IDC Error ellipse: s-maj=34.8km s-min=15.0km az=32.0.
BER Event type ke. Error ellipse: s-maj=12.0km s-min=34.3km az=-1.0. Confirmed Earthquake.
DNK Error ellipse: s-maj=13.3km s-min=81.3km az=-1.0.
IEPN station OMEGA has station magnitude of 3.40.
ISC V 23 07 33 03.9–1.3 81.07N–.08 3.18W–.04 10 32 2-9
BER V 23 07 33 07.8–2.0 81.10N 3.05W 10 3.2 ¶615191608
DNK V 23 07 33 09.1–1.8 81.20N 2.58W 36–25 1.2L
KOLA V 23 07 33 14.2 81.48N 3.32E 0 1.2L
ISC Event type ke.
BER Event type ke. Error ellipse: s-maj=8.8km s-min=25.7km az=-1.0. Confirmed Earthquake.
DNK Error ellipse: s-maj=14.9km s-min=38.0km az=-1.0.
KOLA Error ellipse: s-maj=62.5km s-min=16.0km az=50.0. Arctic Ocean.
ISC V 23 18 46 31.7–1.1 80.69N–.07 2.93W–.04 10 22 2-9
BER V 23 18 46 35.3–2.4 80.80N 2.64W 10 2.9 ¶615191617
DNK V 23 18 46 36.9–2.7 80.77N 2.38W 36–34 1.2L
ISC Event type ke.
BER Event type ke. Error ellipse: s-maj=10.0km s-min=31.2km az=-1.0. Confirmed Earthquake.
DNK Error ellipse: s-maj=21.3km s-min=52.9km az=-1.0.
ISC V 25 02 36 51.7–2.0 84.6N–.10 6.66E–.08 10 22 4-9
IEPN V 25 02 36 53.0 84.96N 6.99E 10 ¶614403783
BER V 25 02 36 54.4–1.9 84.75N 5.64E 10 3.5
ISC Event type ke.
IEPN station ZFI has station magnitude of 3.20. station OMEGA has station magnitude of 3.10.
BER Event type ke. Error ellipse: s-maj=14.4km s-min=94.5km az=-1.0. Confirmed Earthquake.
ISC V 26 20 17 13.4–.84 84.28N–.07 1.95E–.06 10 3.2b 23 4-46
IDC V 26 20 17 13.0–1.4 84.48N 0.40E 0 3.5,3.4b ¶610685450
DNK V 26 20 17 18.4–2.3 84.44N 1.88E 36–47 1.7L,3.4b
IEPN V 26 20 17 22.0 84.14N 4.06E 10 1.7L,3.4b
ISC Event type ke.
IDC Error ellipse: s-maj=117.6km s-min=18.9km az=54.0.
DNK Error ellipse: s-maj=30.0km s-min=263.6km az=-1.0.
IEPN station ZFI has station magnitude of 3.70. station OMEGA has station magnitude of 3.70.
ISC V 26 20 50 48.8–.30 84.20N–.04 0.91E–.04 10 4.7b,3.6s 684 3-86
MOS V 26 20 50 46.0–.90 84.30N 0.10E 10 4.7b,3.6s ¶614403785
IDC V 26 20 50 47.4–.48 84.26N 0.01E 0 4.1,4.1b
NEIC V 26 20 50 49.0–1.3 84.28N–.08 0.8E–.90 10–1 4.7b,4.1b
BER V 26 20 50 51.7–1.5 84.16N 1.46E 10 4.7b,4.1
IEPN V 26 20 50 53.0 84.20N 5.20E 10 4.7b,4.1
BGR V 26 20 51 12.2 82.12N 4.67E 33 4.8b,3.3s
ISC Event type ke.
MOS Error ellipse: s-maj=53.4km s-min=4.0km az=92.0.
IDC Error ellipse: s-maj=16.0km s-min=9.8km az=37.0.
NEIC Event type se. Error ellipse: s-maj=15.8km s-min=12.5km az=47.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BER Event type ke. Error ellipse: s-maj=11.0km s-min=55.1km az=-1.0. Confirmed Earthquake.

IEPN station ZFI has station magnitude of 4.40. station OMEGA has station magnitude of 4.60.
BGR Event type ke.
ISC V 28 02 13 57.0–1.5 81.73N–.10 5.06W–.05 10 23 2-9
BER V 28 02 14 01.0–2.5 82.04N 4.87W 30–31 3.1 ¶615191654
DNK V 28 02 14 01.3–3.6 81.91N 4.61W 35–59 1.2L
ISC Event type ke.
BER Event type ke. Error ellipse: s-maj=19.2km s-min=38.3km az=-1.0. Confirmed Earthquake.
DNK Error ellipse: s-maj=36.0km s-min=94.8km az=-1.0.
ISC V 30 04 13 15.8–.98 80.47N–.05 1.95W–.04 12 38 3-8
DNK V 30 04 13 21.3–1.3 80.54N 2.12W 38–53 2.6L ¶611792739
BER V 30 04 13 21.9–1.6 80.57N 2.26W 24–16 3.2
IEPN V 30 04 13 24.0 80.34N 0.89W 10 3.2
ISC Event type ke.
DNK Error ellipse: s-maj=10.8km s-min=47.8km az=-1.0.
BER Event type ke. Error ellipse: s-maj=7.3km s-min=22.8km az=-1.0. Confirmed Earthquake.
IEPN station ZFI has station magnitude of 3.70. station OMEGA has station magnitude of 3.50.
ISC V 30 18 16 32.5–1.3 80.04N–.08 0.38W–.04 10 19 3-7
BER V 30 18 16 34.9–2.6 80.17N 0.19W 10 2.9 ¶615191686
DNK V 30 18 16 37.2–2.8 80.06N 0.24E 36–35 1.1L
ISC Event type ke.
BER Event type ke. Error ellipse: s-maj=13.8km s-min=37.9km az=-1.0. Confirmed Earthquake.
DNK Error ellipse: s-maj=22.7km s-min=46.9km az=-1.0.
DNK V 31 14 08 46.5–2.0 80.22N 6.39W 0–19
¶615874529
DNK Error ellipse: s-maj=6.8km s-min=39.6km az=-1.0.
ISC VI 01 07 34 56.4–1.8 82.4N–.10 7.41W–.05 10 23 2-12
DNK VI 01 07 34 59.5–2.7 82.46N 6.84W 16–37 1.8L ¶614403789
BER VI 01 07 34 59.9–1.5 82.58N 7.03W 10 3.4
ISC Event type ke.
DNK Error ellipse: s-maj=22.5km s-min=130.9km az=-1.0.
BER Event type ke. Error ellipse: s-maj=27.5km s-min=51.8km az=-1.0. Confirmed Earthquake.
ISC VI 02 20 36 29.4–1.6 82.0N–.10 4.85W–.04 10 35 2-9
DNK VI 02 20 36 31.8–2.5 82.28N 5.02W 40–36 1.9L ¶615935688
BER VI 02 20 36 32.6–2.3 82.07N 5.08W 10 3.4
IEPN VI 02 20 36 36.0 82.04N 3.50W 10 3.4
KOLA VI 02 20 36 40.7 81.84N 2.37W 0 1.2L
ISC Event type ke.
DNK Error ellipse: s-maj=14.9km s-min=62.6km az=-1.0.
BER Event type ke. Error ellipse: s-maj=13.6km s-min=35.0km az=-1.0. Confirmed Earthquake.
IEPN station ZFI has station magnitude of 3.20. station OMEGA has station magnitude of 3.30.
KOLA Error ellipse: s-maj=88.3km s-min=20.0km az=40.0. Arctic Ocean,Knipovich ridge, north.
BER VI 03 02 10 52.9–2.0 80.95N 3.43W 10 2.8
DNK VI 03 02 10 50.9–2.0 81.06N 2.98W 18 1.2L ¶611792901
KOLA VI 03 02 11 02.5 80.52N 1.08W 0 2.0L
BER Event type ke. Error ellipse: s-maj=10.9km s-min=27.7km az=-1.0. Confirmed Earthquake.
DNK Error ellipse: s-maj=11.6km s-min=41.1km az=-1.0.
KOLA Greenland sea,Knipovich ridge, north.
ISC VI 03 16 04 16.8–.94 80.20N–.10 0.33W–.06 10 18 3-10
BER VI 03 16 04 22.9–2.6 80.10N 0.31W 21–22 2.9 ¶611792913
DNK VI 03 16 04 23.6–2.6 80.06N 0.13E 36–33 1.5L
ISC Event type ke.
BER Event type ke. Error ellipse: s-maj=11.1km s-min=31.9km az=-1.0. Confirmed Earthquake.
DNK Error ellipse: s-maj=19.6km s-min=42.8km az=-1.0.
ISC VI 04 13 39 40.4–1.2 81.30N–.08 4.30W–.04 10 34 2-9
BER VI 04 13 39 43.8–2.0 81.41N 4.46W 10 3.3 ¶611792921
DNK VI 04 13 39 44.9–2.7 81.38N 3.86W 32–24 1.8L
KOLA VI 04 13 39 49.7 81.70N 1.17E 0 1.4L
ISC Event type ke.
BER Event type ke. Error ellipse: s-maj=9.1km s-min=27.7km az=-1.0. Confirmed Earthquake.
DNK Error ellipse: s-maj=13.6km s-min=56.9km az=-1.0.
KOLA Error ellipse: s-maj=82.5km s-min=16.7km az=50.0. Arctic Ocean.
ISC VI 06 11 39 42.5–2.5 82.9N–.20 6.47W–.06 10 18 2-9
DNK VI 06 11 39 47.7–3.0 82.97N 5.36W 36–32 1.6L ¶614403793
BER VI 06 11 39 50.1–2.0 82.68N 6.57W 10 3.6
ISC Event type ke.
DNK Error ellipse: s-maj=29.6km s-min=104.8km az=-1.0.
BER Event type ke. Error ellipse: s-maj=32.6km s-min=46.7km az=-1.0. Confirmed Earthquake.
ISC VI 08 21 14 52.6–1.6 81.8N–.10 5.71W–.05 10 28 2-9
DNK VI 08 21 14 54.1–4.2 81.95N 5.63W 20–38 2.5L ¶611792975
BER VI 08 21 14 55.9–1.9 81.89N 5.77W 10 3.1
KOLA VI 08 21 14 57.2 82.01N 4.22W 0 2.5L
IEPN VI 08 21 14 58.0 81.98N 3.51W 10 2.5L
ISC Event type ke.
DNK Error ellipse: s-maj=25.9km s-min=96.0km az=-1.0.
BER Event type ke. Error ellipse: s-maj=12.4km s-min=38.7km az=-1.0. Confirmed Earthquake.
KOLA Arctic Ocean,Knipovich ridge, north.
IEPN station ZFI has station magnitude of 3.60. station OMEGA has station magnitude of 3.90.
ISC VI 10 20 46 02.2–1.1 80.66N–.07 2.72W–.04 10 25 2-9
BER VI 10 20 46 05.6–2.5 80.77N 2.55W 10 2.7 ¶611793006
DNK VI 10 20 46 06.7–1.8 80.72N 2.22W 32–23 1.2L
ISC Event type ke.
BER Event type ke. Error ellipse: s-maj=10.3km s-min=32.6km az=-1.0. Confirmed Earthquake.
DNK Error ellipse: s-maj=13.2km s-min=33.2km az=-1.0.
DNK VI 11 23 27 22.6–2.0 80.27N 4.49W 36–32 1.6L
¶616984087
DNK Error ellipse: s-maj=10.0km s-min=41.5km az=-1.0.
ISC VI 19 23 46 06.4–1.2 80.85N–.09 3.72W–.05 10 22 2-11
BER VI 19 23 46 09.9–1.8 81.04N 3.52W 10 2.8 ¶611793137
DNK VI 19 23 46 10.8–1.3 80.98N 3.05W 36–17 1.3L
ISC Event type ke.
BER Event type ke. Error ellipse: s-maj=10.9km s-min=33.7km az=-1.0. Confirmed Earthquake.
DNK Error ellipse: s-maj=9.9km s-min=25.3km az=-1.0.
ISC VI 20 15 27 29.6–.53 84.83N–.04 6.32E–.04 11–3 4.9b,4.1s 630 4-157
BJI VI 20 15 27 27.0–.00 85.00N 5.90E 10 5.1b,4.6b ¶614403824
IDC VI 20 15 27 27.9–.39 84.95N 6.62E 0 4.5,4.5b
MOS VI 20 15 27 27.7–.92 84.95N 6.45E 10 5.0b,4.2s
NEIC VI 20 15 27 29.5–1.5 84.98N–.07 7E–1.0 10–1 4.9b,4.2s
GCMT VI 20 15 27 30.5–.20 84.85N–.02 6.7E–.20 12 4.9W,4.2s
BER VI 20 15 27 32.3–3.8 84.81N 6.82E 10 4.8L,4.6
KOLA VI 20 15 27 33.2 84.71N 10.15E 0 2.2L,4.6
IEPN VI 20 15 27 34.0 84.60N 6.82E 10 2.2L,4.6
ISC Event type ke.
IDC Error ellipse: s-maj=10.8km s-min=9.0km az=55.0.
MOS Error ellipse: s-maj=56.9km s-min=4.4km az=91.5.
NEIC Event type se. Error ellipse: s-maj=15.3km s-min=10.9km az=71.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s44,c54; s115,c186;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-3.28±.07 $M_{\theta\theta}$1.28±.06; $M_{\phi\phi}$2.00±.06; $M_{r\theta}$-0.82±.28; $M_{\theta\phi}$1.07±.05; $M_{\phi r}$0.85±.24; Best double couple: NP1:ϕ_s200.00000°,δ49.00000°,λ-111.00000°. NP2:ϕ_s50.00000°,δ45.00000°,λ-68.00000°. Principal axes: T 2.7770,Plg2.0000° ,Azm305.0000°; N 0.8360,Plg16.0000°,Azm214.0000°; P -3.6130,Plg74.0000°,Azm42.0000° $M_0$3.19500×10^{16}
BER Event type ke. Error ellipse: s-maj=24.2km s-min=152.8km az=-1.0. Confirmed Earthquake.
KOLA Arctic Ocean,Gakkel ridge.
IEPN station ZFI has station magnitude of 4.70. station OMEGA has station magnitude of 4.70.
ISC VI 24 09 08 27.7–1.1 82.55N–.09 5.41W–.05 10 22 2-12
BER VI 24 09 08 34.1–2.0 82.42N 5.92W 10 3.4 ¶614403836
DNK VI 24 09 08 34.5–2.3 82.49N 5.28W 36–43 1.7L
ISC Event type ke.
BER Event type ke. Error ellipse: s-maj=14.3km s-min=41.1km az=-1.0. Confirmed Earthquake.
DNK Error ellipse: s-maj=33.0km s-min=98.2km az=-1.0.
ISC VI 24 14 35 55.1–2.1 84.7N–.10 12.21E–.07 10 24 5-8
IEPN VI 24 14 35 57.0 85.01N 12.39E 10 ¶614403837
BER VI 24 14 35 57.2–2.4 84.86N 9.48E 12–34 3.6
ISC Event type ke.
IEPN station ZFI has station magnitude of 3.40. station OMEGA has station magnitude of 3.50.
BER Event type ke. Error ellipse: s-maj=23.2km s-min=180.3km az=-1.0. Confirmed Earthquake.
ISC VI 24 19 16 33.5–1.1 82.03N–.08 4.77W–.04 10 24 2-8
BER VI 24 19 16 37.6–2.4 82.13N 5.07W 10 3.0 ¶614403838
DNK VI 24 19 16 39.0–2.0 82.09N 4.88W 36–22 2.1L
IEPN VI 24 19 16 41.0 82.02N 3.79W 10 2.1L
ISC Event type ke.
BER Event type ke. Error ellipse: s-maj=19.4km s-min=47.2km az=-1.0. Confirmed Earthquake.
DNK Error ellipse: s-maj=18.5km s-min=51.6km az=-1.0.
IEPN station OMEGA has station magnitude of 3.30.
ISC VI 29 08 12 44.0–1.6 82.1N–.10 6.20W–.05 10 19 2-9
BER VI 29 08 12 48.4–2.0 82.18N 6.02W 10 3.5 ¶614403844
DNK VI 29 08 12 49.0–1.9 82.26N 5.55W 36–22 1.3L
ISC Event type ke.
BER Event type ke. Error ellipse: s-maj=13.9km s-min=44.9km az=-1.0. Confirmed Earthquake.
DNK Error ellipse: s-maj=17.7km s-min=47.5km az=-1.0.

(642) Norwegian Sea.

ISC II 01 06 56 40.9–.87 72.10N–.09 0.25E–.07 10 3.5b,3.3s 26 6-44
BER II 01 06 56 43.1–1.3 71.96N 0.12E 10 2.1L,3.3s ¶610414594
IDC II 01 06 56 43.9–1.4 72.03N 1.39E 0 3.6,3.4b
ISC Event type ke.
BER Event type ke. Error ellipse: s-maj=6.5km s-min=20.9km az=-1.0. Confirmed Earthquake.
IDC Error ellipse: s-maj=28.7km s-min=19.9km az=63.0.
IDC II 09 09 00 52.1–999 68.07N 10.25E 0
¶610415166
IDC Error ellipse: s-maj=405.2km s-min=76.3km az=70.0.
ISC III 08 22 37 33.5–.88 72.47N–.09 2.94E–.07 10 3.2s 44 4-39
NAO III 08 22 37 31.6–2.1 72.38N 2.27E 3.1L ¶610424450
IDC III 08 22 37 33.1–1.8 72.30N 2.89E 0 3.3,3.1s
BER III 08 22 37 37.3–3.3 72.51N 2.52E 22–54 3.1L,2.0L
DNK III 08 22 37 38.0–1.2 72.89N 1.75E 0–91 3.1L,2.0L
ISC Event type ke.
NAO Error ellipse: s-maj=0.1km s-min=0.2km az=-1.0.
IDC Error ellipse: s-maj=41.3km s-min=20.9km az=29.0.
BER Event type ke. Error ellipse: s-maj=11.6km s-min=53.0km az=-1.0. Confirmed Earthquake.
DNK Error ellipse: s-maj=28.1km s-min=319.9km az=-1.0.
ISC III 10 15 35 17.6–.89 72.82N–.09 4.22E–.08 10 33 5-60
IDC III 10 15 35 19.7–2.2 72.73N 4.87E 0 3.6,3.4b ¶610545969
BER III 10 15 35 21.1–2.2 72.90N 4.28E 10 2.0L,3.4b
ISC Event type ke.
IDC Error ellipse: s-maj=35.2km s-min=24.2km az=93.0.
BER Event type ke. Error ellipse: s-maj=6.1km s-min=20.9km az=-1.0. Confirmed Earthquake.
ISC III 10 16 32 31.3–.76 72.74N–.07 5.19E–.07 10 3.5b 47 5-60
IDC III 10 16 32 29.7–1.2 72.77N 4.83E 0 3.5,3.4b ¶610545973
BER III 10 16 32 35.3–1.9 72.88N 5.24E 18–20 4.8W,2.3L
KOLA III 10 16 32 35.1 72.45N 5.05E 0 2.4L,2.3L
ISC Event type ke.
IDC Error ellipse: s-maj=21.4km s-min=16.6km az=73.0.
BER Event type ke. Error ellipse: s-maj=6.2km s-min=29.1km az=-1.0. Confirmed Earthquake.
KOLA Norwegian sea.
ISC III 10 16 41 12.3–.55 72.83N–.03 4.48E–.03 15–3 4.9b,4.2s 892 4-152
NAO III 10 16 41 09.0–1.4 72.78N 4.32E 4.6L,4.2s ¶611832005
IEPN III 10 16 41 10.0 72.85N 3.89E 10 4.6L,4.2s
IDC III 10 16 41 10.4–.36 72.83N 4.49E 0 4.4,4.4b
MOS III 10 16 41 11.0–1.1 72.87N 4.81E 11 5.0b,4.3s
NEIC III 10 16 41 12.1–1.5 72.83N–.07 4.7E–.20 10–1 5.0b,4.3s
GCMT III 10 16 41 13.1–.20 72.80N–.02 4.21E–.05 12 4.9W,4.3s
BER III 10 16 41 13.3–2.4 72.90N 4.55E 10 4.8W,3.8s
BGR III 10 16 41 15.2 72.60N 3.59E 10 4.9b,3.8s
DNK III 10 16 41 16.2–3.9 73.05N 3.34E 18–80 2.2L,3.8s
ISC Event type ke.
NAO Error ellipse: s-maj=0.1km s-min=0.2km az=-1.0.
IEPN station SPA0 has station magnitude of 4.55. station SVZ has station magnitude of 5.42.
IDC Error ellipse: s-maj=10.3km s-min=8.0km az=46.0.
MOS Error ellipse: s-maj=15.7km s-min=3.5km az=94.9.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=9.0km az=356.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s30,c32; s122,c180;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-2.64±.06 $M_{\theta\theta}$1.22±.06; $M_{\phi\phi}$1.42±.05; $M_{r\theta}$-1.18±.27; $M_{\theta\phi}$1.26±.04; $M_{\phi r}$-0.33±.23; Best double couple: NP1:ϕ_s55.00000°,δ57.00000°,λ-77.00000°. NP2:ϕ_s211.00000°,δ35.00000°,λ-110.00000°. Principal axes: T 2.7890,Plg11.0000° ,Azm135.0000°; N 0.1830,Plg11.0000°,Azm228.0000°; P -2.9720,Plg74.0000°,Azm1.0000° $M_0$2.88100×10^{16}
BER Event type ke. Error ellipse: s-maj=4.8km s-min=23.6km az=-1.0. Confirmed Earthquake.
BGR Event type ke.
DNK Error ellipse: s-maj=54.3km s-min=120.0km az=-1.0.
ISC III 10 17 18 05.0–1.4 72.84N–.09 5.2E–.10 10 29 5-60
IDC III 10 17 18 04.4–2.0 72.67N 4.92E 0 3.4,3.4b ¶610545976
BER III 10 17 18 05.2–2.1 72.89N 4.11E 10 2.1L,3.4b
ISC Event type ke.
IDC Error ellipse: s-maj=26.6km s-min=22.6km az=96.0.
BER Event type ke. Error ellipse: s-maj=7.3km s-min=26.0km az=-1.0. Confirmed Earthquake.
ISC III 11 11 07 51.1–.76 74.77N–.04 15.45E–.05 10 2.8b 116 1-40
NAO III 11 11 07 50.9–1.3 74.74N 14.79E 3.3L ¶610424458
IDC III 11 11 07 51.8–.94 74.78N 15.20E 0 3.2,3.0b
BER III 11 11 07 55.3–3.8 74.85N 15.38E 21–18 3.3L,2.4L
KOLA III 11 11 07 57.0 74.59N 15.92E 0 2.7L,2.4L
UPP III 11 11 07 56.6–3.4 74.63N 16.53E 0 2.1L,2.4L
IEPN III 11 11 07 57.0 75.03N 14.45E 10 2.1L,2.4L
ISC Event type ke.
NAO Error ellipse: s-maj=0.1km s-min=0.2km az=-1.0.
IDC Error ellipse: s-maj=30.1km s-min=10.3km az=78.0.
BER Event type ke. Error ellipse: s-maj=4.8km s-min=37.8km az=-1.0. Confirmed Earthquake.
KOLA Error ellipse: s-maj=27.1km s-min=17.3km az=160.0. Norwegian sea.
UPP Error ellipse: s-maj=0.3km s-min=1.0km az=-1.0.
IEPN station SPA0 has station magnitude of 3.30.
ISC IV 14 08 26 31.6–.84 72.41N–.08 2.62E–.07 10 3.3b,3.2s 42 5-63
NAO IV 14 08 26 29.2–2.0 72.34N 2.10E 2.9L,3.2s ¶610630840
IDC IV 14 08 26 31.8–1.3 72.30N 2.61E 0 3.4,3.4b
BER IV 14 08 26 32.2–3.3 72.44N 1.88E 10 2.9L,2.1L
ISC Event type ke.
NAO Error ellipse: s-maj=0.1km s-min=0.2km az=-1.0.
IDC Error ellipse: s-maj=25.4km s-min=18.9km az=39.0.
BER Event type ke. Error ellipse: s-maj=13.1km s-min=34.1km az=-1.0. Confirmed Earthquake.
ISC V 03 11 06 42.5–.54 72.57N–.05 3.81E–.06 10 3.6b,3.4s 77 4-145
NAO V 03 11 06 38.9–2.1 72.50N 2.75E 3.4L,3.4s ¶610650665
IDC V 03 11 06 41.0–.61 72.54N 3.38E 0 3.6,3.5s
BER V 03 11 06 42.7–3.9 72.61N 3.08E 10 4.3,3.4L
DNK V 03 11 06 45.5–2.5 73.04N 1.73E 0–67 2.3L,3.4L
KOLA V 03 11 06 58.0 72.00N 6.63E 0 2.0L,3.4L
ISC Event type ke.
IDC Error ellipse: s-maj=16.4km s-min=11.7km az=55.0.
BER Event type ke. Error ellipse: s-maj=7.6km s-min=28.6km az=-1.0. Confirmed Earthquake.
DNK Error ellipse: s-maj=34.4km s-min=103.0km az=-1.0.
KOLA Norwegian sea.
ISC V 03 21 25 50.5–1.2 72.3N–.10 0.2E–.10 10 15 6-9
BER V 03 21 25 54.9–2.5 72.26N 0.00W 10 3.9 ¶615191443
ISC Event type ke.
BER Event type ke. Error ellipse: s-maj=22.6km s-min=52.4km az=-1.0. Confirmed Earthquake.
ISC V 04 07 31 47.6–.63 72.60N–.05 3.40E–.06 10 3.5b,3.4s 57 4-124
IDC V 04 07 31 47.2–.80 72.49N 3.15E 0 3.6,3.5b ¶610689531
BER V 04 07 31 49.6–2.4 72.60N 2.79E 10 4.4,3.5b
KOLA V 04 07 31 53.5 72.42N 3.71E 0 2.0L,3.5b
DNK V 04 07 31 53.6–.29 72.98N 2.25E 23–8 2.3L,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=17.3km s-min=13.1km az=48.0.
BER Event type ke. Error ellipse: s-maj=5.0km s-min=18.8km az=-1.0. Confirmed Earthquake.
KOLA Norwegian sea,Mohn ridge.
DNK Error ellipse: s-maj=4.7km s-min=13.4km az=-1.0.
ISC V 04 15 47 05.6–.28 72.62N–.03 3.13E–.04 10 4.5b,3.9s 539 4-145
NAO V 04 15 47 03.9–1.2 72.63N 3.11E 4.5L,3.9s ¶610594269
IEPN V 04 15 47 04.0 72.41N 2.86E 10 4.5L,3.9s

MOS V 04 15 47 04.8–1.6 72.65N 2.98E 10 4.7b,4.0s
IDC V 04 15 47 05.8–.42 72.59N 3.11E 0 4.2,4.1b
NEIC V 04 15 47 05.5–2.2 72.66N–.06 3.0E–.20 10–1 4.6b,4.1b
GCMT V 04 15 47 06.5–.30 72.65N–.04 3.2E–.10 14–1 4.7W,4.1b
BER V 04 15 47 07.0–3.1 72.63N 3.06E 10 5.1,4.5L
KOLA V 04 15 47 10.8 72.37N 3.98E 0 2.4L,4.5L
DNK V 04 15 47 10.0–1.7 72.89N 1.69E 0–41 1.9L,4.5L
BGR V 04 15 47 16.2 72.24N 5.29E 33 4.5b,3.7s
ISC Event type ke.
NAO Error ellipse: s-maj=0.1km s-min=0.1km az=-1.0.
IEPN station SPA0 has station magnitude of 4.45.
MOS Error ellipse: s-maj=16.2km s-min=3.7km az=96.7.
IDC Error ellipse: s-maj=11.3km s-min=8.6km az=42.0.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=10.1km az=258.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s6,c6; s88,c113;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-1.58±.17 $M_{\theta\theta}$1.03±.11; $M_{\phi\phi}$0.54±.09; $M_{r\theta}$-0.02±.28; $M_{\theta\phi}$0.60±.05; $M_{\phi r}$-0.24±.32; Best double couple: NP1:ϕ_s50.00000°,δ48.00000°,λ-98.00000°. NP2:ϕ_s242.00000°,δ43.00000°,λ-81.00000°. Principal axes: T 1.4430,Plg3.0000° ,Azm146.0000°; N 0.1630,Plg6.0000°,Azm55.0000°; P -1.6070,Plg83.0000°,Azm260.0000° $M_0$1.52500×10^{16}
BER Event type ke. Error ellipse: s-maj=5.9km s-min=20.4km az=-1.0. Confirmed Earthquake.
KOLA Error ellipse: s-maj=27.7km s-min=18.6km az=140.0. Norwegian sea,Mohn ridge.
DNK Error ellipse: s-maj=24.3km s-min=79.1km az=-1.0.
BGR Event type ke.
ISC V 10 05 14 22.3–1.7 74.57N–.06 11.6E–.10 10 33 3-7
NAO V 10 05 14 20.4–4.3 74.44N 9.73E 2.6L ¶616914048
BER V 10 05 14 22.0–2.6 74.43N 9.65E 10 3.7,2.6L
KOLA V 10 05 14 32.3 73.89N 10.91E 0 1.8L,2.6L
ISC Event type ke.
NAO Error ellipse: s-maj=0.1km s-min=0.6km az=-1.0.
BER Event type ke. Error ellipse: s-maj=6.9km s-min=58.1km az=-1.0. Confirmed Earthquake.
KOLA Norwegian sea.
ISC V 14 12 58 07.6–.79 72.21N–.07 1.32E–.07 10 3.3b,3.2s 53 3-62
NAO V 14 12 58 06.3–1.5 72.24N 0.67E 3.5L,3.2s ¶610656252
IDC V 14 12 58 07.5–1.4 72.23N 1.07E 0 3.6,3.4b
BER V 14 12 58 08.9–2.1 72.26N 0.45E 10 4.1,3.4b
DNK V 14 12 58 13.9–1.3 72.61N 0.13E 35–37 1.8L,3.4b
ISC Event type ke.
NAO Error ellipse: s-maj=0.1km s-min=0.1km az=-1.0.
IDC Error ellipse: s-maj=33.5km s-min=17.1km az=52.0.
BER Event type ke. Error ellipse: s-maj=7.3km s-min=28.6km az=-1.0. Confirmed Earthquake.
DNK Error ellipse: s-maj=21.1km s-min=52.6km az=-1.0.
ISC V 18 16 28 56.4–1.1 72.25N–.09 0.34E–.08 10 25 6-10
BER V 18 16 29 01.2–2.4 72.07N 0.34E 29–95 3.8 ¶615191573
DNK V 18 16 29 08.1–1.6 72.83N 1.27W 18 0.9L
ISC Event type ke.
BER Event type ke. Error ellipse: s-maj=11.0km s-min=35.3km az=-1.0. Confirmed Earthquake.
DNK Error ellipse: s-maj=11.6km s-min=36.6km az=-1.0.
BER VI 12 14 27 15.9–1.4 72.73N 7.40E 10 3.8
¶615935782
BER Event type ke. Error ellipse: s-maj=42.0km s-min=21.2km az=-1.0. Confirmed Earthquake.
ISC VI 14 23 49 07.4–.89 72.08N–.08 0.17E–.06 10 21 3-9
BER VI 14 23 49 14.6–1.8 72.06N 0.29E 25–24 3.9 ¶615935819
ISC Event type ke.
BER Event type ke. Error ellipse: s-maj=6.9km s-min=17.3km az=-1.0. Confirmed Earthquake.
ISC VI 24 15 09 52.7–1.7 72.77N–.08 5.4E–.10 10 30 4-13
NAO VI 24 15 09 49.9–1.9 72.80N 4.53E 2.7L ¶610759423
BER VI 24 15 09 53.0–3.2 72.86N 4.54E 10 4.1,2.7L
ISC Event type ke.
NAO Error ellipse: s-maj=0.1km s-min=0.2km az=-1.0.
BER Event type ke. Error ellipse: s-maj=9.5km s-min=44.6km az=-1.0. Confirmed Earthquake.
ISC VI 27 04 58 11.0–1.2 72.1N–.10 0.22E–.09 10 17 6-8
BER VI 27 04 58 16.6–2.4 72.11N 0.10E 24–69 4.1 ¶615935937
UPP VI 27 04 58 57.3–3.4 70.91N 9.89E 0 1.6L
ISC Event type ke.
BER Event type ke. Error ellipse: s-maj=14.7km s-min=37.9km az=-1.0. Confirmed Earthquake.
UPP Error ellipse: s-maj=0.2km s-min=0.8km az=-1.0.

(643) Svalbard region.

ISC I 03 20 43 20.0–1.1 76.85N–.04 18.41E–.04 27–11 72 1-39
KOLA I 03 20 43 16.0 76.98N 19.34E 0 3.5L ¶615316385
NAO I 03 20 43 19.4–1.8 76.97N 18.43E 4–14 3.5L
IEPN I 03 20 43 22.0 76.96N 18.41E 10 3.5L
BER I 03 20 43 22.2–2.1 76.92N 18.05E 15–11 3.5L,3.0L
IDC I 03 20 43 24.5–4.4 76.68N 21.03E 0 3.6,3.5b
ISC Event type ke.
KOLA Error ellipse: s-maj=6.6km s-min=3.4km az=130.0. Storfjorden zone.
NAO Error ellipse: s-maj=0.1km s-min=0.1km az=-1.0.
IEPN station ZFI has station magnitude of 3.80. station OMEGA has station magnitude of 3.70.
BER Event type ke. Error ellipse: s-maj=4.8km s-min=32.1km az=-1.0. Confirmed Earthquake.
IDC Error ellipse: s-maj=82.8km s-min=24.4km az=101.0.
ISC I 13 21 37 57.9–1.4 80.05N–.05 20.71E–.04 13–10 50 2-11
KOLA I 13 21 37 53.0 80.38N 20.71E 0 2.3L ¶610101887
BER I 13 21 37 58.9–1.2 80.28N 20.29E 23–6 2.6L,2.6L
IEPN I 13 21 38 00.0 80.13N 19.96E 10 2.6L,2.6L
ISC Event type ke.
KOLA Spitsbergen,Arctic Ocean.
BER Event type ke. Error ellipse: s-maj=5.5km s-min=28.8km az=-1.0. Confirmed Earthquake.
IEPN station ZFI2 has station magnitude of 3.10. station ZFI has station magnitude of 3.20.
ISC I 15 15 05 36.6–1.6 76.28N–.04 11.60E–.08 30–13 72 1-11
BER I 15 15 05 38.9–2.8 76.39N 11.76E 15–10 2.5L,1.9L ¶615316519
NAO I 15 15 05 39.4–5.2 76.29N 12.39E 19–41 2.5L,1.9L
KOLA I 15 15 05 40.8 76.71N 11.51E 8 1.8L,1.9L
IEPN I 15 15 05 40.0 76.33N 12.04E 10 1.8L,1.9L
ISC Event type ke.
BER Event type ke. Error ellipse: s-maj=4.3km s-min=43.8km az=-1.0. Confirmed Earthquake.
NAO Error ellipse: s-maj=0.1km s-min=0.2km az=-1.0.
KOLA Greenland sea.
IEPN station ZFI has station magnitude of 3.20.
ISC I 23 06 42 45.7–.74 77.45N–.05 7.42E–.04 10 89 2-42
KOLA I 23 06 42 47.5 77.56N 8.22E 0 2.6L ¶610114168
NAO I 23 06 42 48.3–6.0 77.47N 7.37E 12–50 3.3L
BER I 23 06 42 50.5–2.0 77.49N 7.56E 24–18 2.3L
DNK I 23 06 42 51.8–2.3 77.53N 7.51E 36–50 1.9L
IEPN I 23 06 42 54.0 77.12N 9.62E 10 1.9L
IDC I 23 06 42 54.8–2.5 77.27N 10.25E 0 3.8,3.7b
ISC Event type ke.
KOLA Greenland sea,Knipovich ridge, middle.
NAO Error ellipse: s-maj=0.1km s-min=0.2km az=-1.0.
BER Event type ke. Error ellipse: s-maj=6.1km s-min=15.7km az=-1.0. Confirmed Earthquake.
DNK Error ellipse: s-maj=24.6km s-min=66.8km az=-1.0.
IEPN station ZFI has station magnitude of 3.40.
IDC Error ellipse: s-maj=32.2km s-min=11.5km az=98.0.
BER I 23 08 37 37.9–1.8 77.48N 6.83E 21–15 1.6L
KOLA I 23 08 37 34.6 77.51N 7.63E 0 1.7L ¶611676183
DNK I 23 08 37 45.6–2.3 77.59N 4.88E 0–63 1.2L
BER Event type ke. Error ellipse: s-maj=13.6km s-min=79.9km az=-1.0. Confirmed Earthquake.
KOLA Error ellipse: s-maj=12.1km s-min=7.1km az=150.0. Greenland sea,Knipovich ridge, middle.
DNK Error ellipse: s-maj=23.9km s-min=271.4km az=-1.0.
ISC I 24 22 23 15.4–1.1 77.28N–.04 21.34E–.03 17–10 42 1-8
DNK I 24 22 23 16.6–1.6 77.25N 21.31E 21–7 2.0L ¶610159173
NAO I 24 22 23 16.4–1.0 77.20N 21.16E 14–9 2.5L
BER I 24 22 23 17.9–.93 77.21N 21.34E 17–5 2.5L,1.8L
IEPN I 24 22 23 18.0 77.32N 21.33E 10 2.5L,1.8L
ISC Event type ke.
DNK Error ellipse: s-maj=9.2km s-min=35.9km az=-1.0.
NAO Error ellipse: s-maj=0.1km s-min=0.1km az=-1.0.
BER Event type ke. Error ellipse: s-maj=5.0km s-min=16.5km az=-1.0. Confirmed Earthquake.
IEPN station ZFI has station magnitude of 3.50.
ISC I 30 14 11 20.3–.67 77.67N–.03 20.62E–.03 10 87 1-18
KOLA I 30 14 11 21.4 77.67N 20.54E 0 3.5L ¶610159177
IEPN I 30 14 11 23.0 77.75N 20.32E 10 3.5L
NAO I 30 14 11 23.0–1.3 77.69N 20.55E 20–9 3.6L
BER I 30 14 11 24.4–2.4 77.77N 20.74E 21–7 3.6L,3.5L
ISC Event type ke.
KOLA Error ellipse: s-maj=5.9km s-min=3.5km az=90.0. Storfjorden zone.
IEPN station ZFI2 has station magnitude of 3.50. station ZFI has station magnitude of 3.80.
NAO Error ellipse: s-maj=0.1km s-min=0.1km az=-1.0.
BER Event type ke. Error ellipse: s-maj=6.7km s-min=31.6km az=-1.0. Confirmed Earthquake.
ISC I 30 14 20 08.7–1.2 77.77N–.03 20.75E–.03 11–10 46 1-8
NAO I 30 14 20 10.7–1.3 77.73N 20.47E 15–9 2.3L ¶610159178
KOLA I 30 14 20 11.5 77.66N 20.03E 0 2.5L
IEPN I 30 14 20 11.0 77.75N 20.38E 10 2.5L
BER I 30 14 20 12.0–1.6 77.77N 20.73E 20–6 2.5L,2.3L
ISC Event type ke.
NAO Error ellipse: s-maj=0.1km s-min=0.1km az=-1.0.
KOLA Error ellipse: s-maj=6.1km s-min=2.9km az=90.0. Storfjorden zone.
IEPN station ZFI2 has station magnitude of 3.00. station ZFI has station magnitude of 3.80.
BER Event type ke. Error ellipse: s-maj=7.0km s-min=27.2km az=-1.0. Confirmed Earthquake.
ISC I 30 14 21 57.1–1.5 77.78N–.04 20.58E–.04 17–11 40 1-8
KOLA I 30 14 21 57.8 77.70N 20.23E 0 2.8L ¶610159179
NAO I 30 14 21 57.4–1.2 77.69N 20.42E 17–9 2.6L
BER I 30 14 21 59.9–1.8 77.74N 20.38E 15–10 2.7L,2.6L
IEPN I 30 14 21 59.0 77.75N 20.29E 10 2.7L,2.6L
ISC Event type ke.
KOLA Error ellipse: s-maj=6.5km s-min=3.1km az=90.0. Storfjorden zone.
NAO Error ellipse: s-maj=0.1km s-min=0.1km az=-1.0.
BER Event type ke. Error ellipse: s-maj=6.8km s-min=25.9km az=-1.0. Confirmed Earthquake.
ISC II 26 07 31 06.7–1.7 76.34N–.04 7.93E–.04 2–11 3.6s,3.5b 82 2-81
IDC II 26 07 31 08.1–.66 76.21N 7.27E 0 3.6s,3.6 ¶615316927
DNK II 26 07 31 09.5–3.3 76.15N 7.49E 36–52 2.0L,3.6
BER II 26 07 31 09.5–2.1 76.38N 7.11E 10 2.2L,3.6
NAO II 26 07 31 09.7–8.2 76.34N 6.88E 20–71 3.2L,3.6
KOLA II 26 07 31 12.9 76.73N 8.70E 0 2.3L,3.6
IEPN II 26 07 31 13.0 76.31N 8.00E 10 2.3L,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=17.6km s-min=11.5km az=54.0.
DNK Error ellipse: s-maj=36.8km s-min=117.5km az=-1.0.
BER Event type ke. Error ellipse: s-maj=9.6km s-min=19.5km az=-1.0. Confirmed Earthquake.
NAO Error ellipse: s-maj=0.1km s-min=0.2km az=-1.0.
KOLA Error ellipse: s-maj=8.7km s-min=7.2km az=40.0. Greenland sea,Knipovich ridge, middle.
IEPN station SPA0 has station magnitude of 3.18.
ISC III 19 11 13 39.0–.73 78.38N–.05 6.53E–.04 10 3.5b 66 1-65
NAO III 19 11 13 40.8–1.8 78.45N 6.76E 2.9L ¶616204240
KOLA III 19 11 13 41.4 78.35N 7.59E 0 2.5L
IDC III 19 11 13 43.8–1.4 78.61N 7.38E 0 3.6,3.5b
DNK III 19 11 13 44.1–2.5 78.32N 7.32E 36–24 1.8L,3.5b
BER III 19 11 13 44.7–1.9 78.36N 6.85E 27–17 2.7L,3.5b
IEPN III 19 11 13 45.0 78.28N 7.54E 10 2.7L,3.5b
ISC Event type ke.
NAO Error ellipse: s-maj=0.2km s-min=0.1km az=-1.0.
KOLA Error ellipse: s-maj=6.4km s-min=4.7km az=100.0. Greenland sea,Knipovich ridge, middle.
IDC Error ellipse: s-maj=31.4km s-min=16.4km az=14.0.
DNK Error ellipse: s-maj=16.4km s-min=39.1km az=-1.0.
BER Event type ke. Error ellipse: s-maj=6.8km s-min=15.5km az=-1.0. Confirmed Earthquake.
IEPN station OMEGA has station magnitude of 3.50.
ISC III 24 22 15 53.5–1.5 79.61N–.05 17.63E–.04 16–10 59 1-10
KOLA III 24 22 15 53.6 79.58N 17.42E 0 2.5L ¶610467761
BER III 24 22 15 54.3–2.1 79.64N 17.82E 5–9 2.9L,2.4L
IEPN III 24 22 15 54.0 79.67N 17.83E 10 2.9L,2.4L
NAO III 24 22 15 55.2–2.7 79.60N 17.33E 16–11 2.9L,2.4L
ISC Event type ke.
KOLA Error ellipse: s-maj=8.1km s-min=6.4km az=30.0. Spitsbergen.
BER Event type ke. Error ellipse: s-maj=8.6km s-min=40.7km az=-1.0. Confirmed Earthquake.
IEPN station ZFI2 has station magnitude of 3.40. station ZFI has station magnitude of 3.20. station OMEGA has station magnitude of 3.20.
NAO Error ellipse: s-maj=0.1km s-min=0.1km az=-1.0.
BER IV 04 12 08 04.3–1.7 77.08N 19.13E 15–9 1.7L
KOLA IV 04 12 08 00.9 77.04N 19.13E 0 2.0L ¶615191174
BER Event type ke. Error ellipse: s-maj=6.2km s-min=19.8km az=-1.0. Confirmed Earthquake.
KOLA Error ellipse: s-maj=5.3km s-min=2.6km az=120.0. Storfjorden zone.
ISC IV 08 04 45 14.5–1.6 77.37N–.05 7.32E–.04 27–15 62 2-12
NAO IV 08 04 45 15.1–1.7 77.47N 7.17E 3.1L ¶610638443
BER IV 08 04 45 16.4–3.9 77.37N 7.51E 10 3.1L,2.4L
DNK IV 08 04 45 18.3–3.5 77.34N 7.66E 36–35 1.2L,2.4L
IEPN IV 08 04 45 20.0 77.37N 7.92E 10 1.2L,2.4L
ISC Event type ke.
NAO Error ellipse: s-maj=0.2km s-min=0.2km az=-1.0.
BER Event type ke. Error ellipse: s-maj=11.4km s-min=36.0km az=-1.0. Confirmed Earthquake.
DNK Error ellipse: s-maj=24.4km s-min=86.8km az=-1.0.
IEPN station SPA0 has station magnitude of 3.00.
ISC V 03 15 26 46.0–.95 77.92N–.07 7.32E–.05 10 15 1-7
DNK V 03 15 26 51.7–1.4 77.95N 7.32E 39–65 1.1L ¶615191438
BER V 03 15 26 52.4–2.2 78.05N 8.20E 15–766 3.2
ISC Event type ke.
DNK Error ellipse: s-maj=22.7km s-min=46.1km az=-1.0.
BER Event type ke. Error ellipse: s-maj=145.3km s-min=999.9km az=-1.0. Confirmed Earthquake.
ISC V 06 03 41 47.4–1.4 79.78N–.05 21.03E–.04 16–9 3.5b,3.2s 105 2-67
IDC V 06 03 41 46.0–1.2 79.80N 22.36E 0 3.7,3.4b ¶610613150
KOLA V 06 03 41 45.1 79.78N 21.20E 0 3.3L,3.4b
NAO V 06 03 41 47.5–2.8 79.87N 20.89E 17–13 4.3L,3.4b
BER V 06 03 41 49.0–2.7 79.95N 20.83E 23–10 4.3L,3.5L
IEPN V 06 03 42 06.0 79.90N 20.57E 10 4.3L,3.5L
ISC Event type ke.
IDC Error ellipse: s-maj=23.2km s-min=13.4km az=91.0.
KOLA Error ellipse: s-maj=12.6km s-min=8.0km az=110.0. Spitsbergen,Barentz Sea.
NAO Error ellipse: s-maj=0.1km s-min=0.1km az=-1.0.
BER Event type ke. Error ellipse: s-maj=8.9km s-min=51.2km az=-1.0. Confirmed Earthquake.
IEPN station OMEGA has station magnitude of 3.80. station ZFI has station magnitude of 3.90.
ISC V 07 06 05 16.1–2.9 78.24N–.07 8.5E–.10 15–12 18 1-8
KOLA V 07 06 05 13.5 78.19N 8.11E 0 2.2L ¶615191464
BER V 07 06 05 16.5–1.7 78.25N 7.86E 10 3.3
DNK V 07 06 05 16.4–1.2 78.45N 7.24E 34–14 1.1L
ISC Event type ke.
KOLA Error ellipse: s-maj=8.2km s-min=7.2km az=60.0. Greenland sea,Knipovich ridge, middle.
BER Event type ke. Error ellipse: s-maj=6.9km s-min=69.0km az=-1.0. Confirmed Earthquake.
DNK Error ellipse: s-maj=26.5km s-min=48.0km az=-1.0.
ISC V 09 00 08 27.0–.73 78.53N–.04 7.28E–.03 4–4 4.4b,3.4s 315 1-151
NAO V 09 00 08 24.6–3.1 78.54N 6.69E 1–26 4.4L,3.4s ¶610618204
IDC V 09 00 08 26.9–.46 78.46N 6.87E 0 4.1,4.1b
MOS V 09 00 08 27.0–.91 78.48N 6.86E 12 4.6b,4.1b
NEIC V 09 00 08 28.7–1.9 78.59N–.08 7.5E–.20 10–1 4.5b,4.1b
DNK V 09 00 08 28.0–3.1 78.47N 7.21E 36–93 2.8L,4.1b
IEPN V 09 00 08 28.0 78.41N 7.83E 10 2.8L,4.1b
BER V 09 00 08 29.0–4.2 78.51N 6.97E 30–34 4.8,4.4L
KOLA V 09 00 08 29.7 78.65N 9.26E 0 2.3L,4.4L
ISC Event type ke.
NAO Error ellipse: s-maj=0.2km s-min=0.2km az=-1.0.
IDC Error ellipse: s-maj=13.3km s-min=8.6km az=31.0.
MOS Error ellipse: s-maj=29.1km s-min=5.9km az=95.3.
NEIC Event type se. Error ellipse: s-maj=13.0km s-min=6.3km az=347.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DNK Error ellipse: s-maj=32.1km s-min=290.6km az=-1.0.
IEPN station ZFI has station magnitude of 4.20. station OMEGA has station magnitude of 4.10.
BER Event type ke. Error ellipse: s-maj=11.9km s-min=32.0km az=-1.0. Confirmed Earthquake.
KOLA Error ellipse: s-maj=78.0km s-min=27.0km az=50.0. Greenland sea.
ISC V 09 03 09 46.6–1.2 76.88N–.04 18.87E–.03 24–10 3.5b 121 1-64
IDC V 09 03 09 44.6–.64 76.90N 17.94E 0 3.7,3.6b ¶610618208

IEPN V 09 03 09 45.0 76.91N 19.02E 10 3.7,3.6b
NAO V 09 03 09 46.0–1.0 76.91N 18.74E 13–9 4.1L,3.6b
BER V 09 03 09 47.9–2.1 76.89N 18.68E 18–6 4.1L,3.7L
KOLA V 09 03 09 51.5 76.72N 20.95E 0 3.2L,3.7L
ISC Event type ke.
IDC Error ellipse: s-maj=23.7km s-min=7.6km az=73.0.
IEPN station ZFI has station magnitude of 4.10. station OMEGA has station magnitude of 4.10.
BER Event type ke. Error ellipse: s-maj=3.8km s-min=19.6km az=-1.0. Confirmed Earthquake.
KOLA Error ellipse: s-maj=28.8km s-min=18.8km az=40.0. Storfjorden zone.
ISC V 18 07 51 54.8–.98 78.4N–.10 6.80E–.04 14 17 1-8
DNK V 18 07 51 58.1–1.6 78.73N 6.65E 39–37 0.8L ¶615191568
BER V 18 07 51 58.2–2.2 78.42N 7.07E 14–17 2.9
ISC Event type ke.
DNK Error ellipse: s-maj=11.0km s-min=23.5km az=-1.0.
BER Event type ke. Error ellipse: s-maj=16.2km s-min=22.6km az=-1.0. Confirmed Earthquake.
ISC V 21 23 24 29.1–1.9 77.80N–.10 8.17E–.08 10 13 1-6
BER V 21 23 24 31.6–2.7 77.81N 7.73E 26–66 2.7 ¶615191595
ISC Event type ke.
BER Event type ke. Error ellipse: s-maj=16.7km s-min=79.6km az=-1.0. Confirmed Earthquake.
ISC V 27 10 44 32.3–1.7 77.61N–.05 8.81E–.06 13–11 49 1-9
BER V 27 10 44 34.4–2.6 77.58N 8.47E 10 3.5,2.8L ¶610694968
NAO V 27 10 44 34.9–5.8 77.62N 8.14E 21–52 2.8L,2.8L
IEPN V 27 10 44 37.0 77.67N 9.86E 10 2.8L,2.8L
ISC Event type ke.
BER Event type ke. Error ellipse: s-maj=7.9km s-min=24.1km az=-1.0. Confirmed Earthquake.
NAO Error ellipse: s-maj=0.1km s-min=0.2km az=-1.0.
IEPN station ZFI has station magnitude of 3.10. station OMEGA has station magnitude of 3.00.
ISC V 27 20 51 14.7–1.4 78.47N–.04 26.37E–.04 25–14 68 2-11
KOLA V 27 20 51 16.0 78.45N 25.61E 0 2.4L ¶616918753
IEPN V 27 20 51 16.0 78.65N 25.62E 10 2.4L
BER V 27 20 51 18.2–3.0 78.39N 26.71E 23–10 2.8L,2.3L
NAO V 27 20 51 19.5–2.9 78.24N 25.75E 18–11 2.8L,2.3L
ISC Event type ke.
KOLA Spitsbergen,Barentz Sea.
IEPN station OMEGA has station magnitude of 2.80. station ZFI has station magnitude of 2.80.
BER Event type ke. Error ellipse: s-maj=9.3km s-min=51.6km az=-1.0. Confirmed Earthquake.
NAO Error ellipse: s-maj=0.1km s-min=0.1km az=-1.0.
ISC V 30 23 53 45.5–.89 76.94N–.03 15.96E–.04 11–7 85 0-16
NAO V 30 23 53 45.7–.90 76.92N 15.53E 2–4 3.3L ¶610694972
IEPN V 30 23 53 45.4 76.92N 15.49E 10 3.3L
BER V 30 23 53 48.2–3.5 76.97N 15.75E 3–8 3.3L,3.1W
KOLA V 30 23 53 54.6 76.66N 17.62E 0 2.6L,3.1W
ISC Event type ke.
IEPN station ZFI has station magnitude of 3.80. station OMEGA has station magnitude of 3.80.
BER Event type ke. Error ellipse: s-maj=4.7km s-min=30.7km az=-1.0. Confirmed Earthquake.
KOLA Storfjorden zone.
ISC V 31 10 36 20.5–1.0 76.88N–.05 15.83E–.05 10–7 41 0-8
NAO V 31 10 36 21.4–1.0 76.92N 15.58E 2–5 2.7L ¶610694974
IEPN V 31 10 36 21.0 76.91N 15.58E 10 2.7L
BER V 31 10 36 22.7–3.0 76.92N 15.62E 0–12 2.7L,2.6L
KOLA V 31 10 36 26.6 76.83N 16.65E 0 2.1L,2.6L
ISC Event type ke.
IEPN station ZFI has station magnitude of 3.80. station OMEGA has station magnitude of 3.70.
BER Event type ke. Error ellipse: s-maj=8.2km s-min=43.8km az=-1.0. Confirmed Earthquake.
KOLA Spitsbergen,Barentz Sea.
ISC V 31 10 43 53.7–1.0 76.92N–.05 15.76E–.05 9–7 39 0-8
NAO V 31 10 43 53.6–1.3 76.90N 15.47E 1–6 2.7L ¶610694975
IEPN V 31 10 43 54.0 76.94N 15.69E 10 2.7L
BER V 31 10 43 55.2–2.9 76.91N 15.61E 0–12 2.7L,2.6L
ISC Event type ke.
IEPN station ZFI has station magnitude of 3.60. station OMEGA has station magnitude of 3.80.
BER Event type ke. Error ellipse: s-maj=8.2km s-min=41.2km az=-1.0. Confirmed Earthquake.
ISC V 31 13 59 13.0–.43 76.98N–.02 15.54E–.03 9–2 4.8b,3.8s 553 0-149
NAO V 31 13 59 11.6–.70 76.91N 15.57E 2–5 4.7L,3.8s ¶611834015
MOS V 31 13 59 11.3–.98 77.00N 15.55E 9 5.0b,3.8s
BJI V 31 13 59 11.0–.00 77.00N 15.90E 5 4.9b,4.8b
GCMT V 31 13 59 12.4–.30 77.14N–.03 15.42E–.08 12 4.7W,4.8b
IDC V 31 13 59 12.1–.34 76.98N 15.66E 0 4.5,4.5b
NEIC V 31 13 59 12.4–1.3 77.01N–.05 15.7E–.30 3–4 4.8b,4.5b
IEPN V 31 13 59 13.0 76.82N 14.85E 10 4.8b,4.5b
KOLA V 31 13 59 15.0 76.90N 16.38E 0 3.5L,4.5b
BER V 31 13 59 14.2–2.7 76.98N 15.77E 3–8 4.7L,3.7L
DNK V 31 13 59 20.3–2.8 77.23N 12.35E 0–63 5.1b,3.3L
ISC Event type ke.
MOS Error ellipse: s-maj=7.4km s-min=1.0km az=122.2.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s24,c25; s83,c118;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-1.22±.04 $M_{\theta\theta}$0.04±.04; $M_{\phi\phi}$1.18±.04; $M_{r\theta}$-0.04±.17; $M_{r\phi}$-0.40±.04; $M_{\theta\phi}$0.76±.14; Best double couple: NP1:ϕ_s170.00000°,δ61.00000°,λ-82.00000°. NP2:ϕ_s334.00000°,δ30.00000°,λ-104.00000°. Principal axes: T 1.5050,Plg15.0000° ,Azm254.0000°; N -0.0670,Plg7.0000°,Azm346.0000°; P -1.4440,Plg73.0000° ,Azm100.0000° $M_0$1.47400×10^{16}
IDC Error ellipse: s-maj=9.6km s-min=6.1km az=80.0.
NEIC Event type se. Error ellipse: s-maj=11.4km s-min=6.6km az=84.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IEPN station ZFI has station magnitude of 4.90. station OMEGA has station magnitude of 4.90.
KOLA Error ellipse: s-maj=33.6km s-min=25.8km az=50.0. Spitsbergen,Barentz Sea.
BER Event type ke. Error ellipse: s-maj=4.0km s-min=21.4km az=-1.0. Confirmed Earthquake.
DNK Error ellipse: s-maj=24.5km s-min=166.5km az=-1.0.
BER V 31 14 08 01.9–2.6 76.96N 15.60E 1–10 2.2L
¶615191702
BER Event type ke. Error ellipse: s-maj=6.9km s-min=34.2km az=-1.0. Confirmed Earthquake.
ISC V 31 17 13 53.5–1.1 76.91N–.04 15.82E–.04 7–7 3.5b 77 0-119
IDC V 31 17 13 53.7–.83 76.95N 15.73E 0 3.4,3.4b ¶610685807
NAO V 31 17 13 53.8–.80 76.94N 15.59E 4–4 3.7L,3.4b
IEPN V 31 17 13 54.1 76.93N 15.63E 10 3.7L,3.4b
BER V 31 17 13 55.5–2.9 76.96N 15.68E 0–15 3.7L,3.4L
KOLA V 31 17 14 00.5 76.92N 18.07E 0 2.3L,3.4L
ISC Event type ke.
IDC Error ellipse: s-maj=25.3km s-min=7.9km az=81.0.
IEPN station ZFI has station magnitude of 3.70. station OMEGA has station magnitude of 3.60.
BER Event type ke. Error ellipse: s-maj=7.9km s-min=31.4km az=-1.0. Confirmed Earthquake.
KOLA Storfjorden zone.
ISC V 31 19 50 40.9–1.1 76.91N–.03 16.04E–.03 6–7 3.5b,3.4s 81 0-68
NAO V 31 19 50 41.5–.80 76.93N 15.54E 2–4 3.6L,3.4s ¶610685812
BER V 31 19 50 42.6–2.7 76.93N 15.66E 0–13 3.6L,3.3L
IEPN V 31 19 50 42.0 76.89N 15.31E 10 3.6L,3.3L
IDC V 31 19 50 42.4–.87 77.00N 15.71E 0 3.5,3.4b
KOLA V 31 19 50 59.7 76.19N 19.85E 0 2.6L,3.4b
ISC Event type ke.
BER Event type ke. Error ellipse: s-maj=6.5km s-min=33.7km az=-1.0. Confirmed Earthquake.
IEPN station ZFI has station magnitude of 3.90. station OMEGA has station magnitude of 4.00.
IDC Error ellipse: s-maj=26.9km s-min=8.4km az=83.0.
KOLA Error ellipse: s-maj=34.8km s-min=33.7km az=40.0. Storfjorden zone.
ISC V 31 21 47 31.0–.82 76.93N–.03 15.85E–.04 10–5 3.6b 114 0-64
IDC V 31 21 47 30.9–.87 76.97N 14.96E 0 3.6,3.6b ¶610685823
NAO V 31 21 47 31.3–.70 76.93N 15.66E 4–4 3.7L,3.6b
IEPN V 31 21 47 32.0 76.87N 15.39E 10 3.7L,3.6b
BER V 31 21 47 33.5–4.0 76.95N 15.72E 5–9 3.7L,3.4L
KOLA V 31 21 47 35.1 76.67N 15.24E 0 2.8L,3.4L
ISC Event type ke.
IDC Error ellipse: s-maj=22.5km s-min=8.7km az=88.0.
IEPN station ZFI has station magnitude of 3.90. station OMEGA has station magnitude of 4.00.
BER Event type ke. Error ellipse: s-maj=5.1km s-min=38.0km az=-1.0. Confirmed Earthquake.
KOLA Error ellipse: s-maj=104.4km s-min=34.5km az=50.0. Spitsbergen.
BER VI 01 00 21 00.7–1.4 76.93N 15.56E 2–6 1.9L
¶617481112
BER Event type ke. Error ellipse: s-maj=6.4km s-min=26.1km az=-1.0. Confirmed Earthquake.
ISC VI 01 00 35 55.3–.90 76.92N–.03 15.92E–.05 12–6 63 0-11
NAO VI 01 00 35 55.8–.90 76.93N 15.54E 4–4 3.4L ¶610711878
BER VI 01 00 35 58.0–2.8 76.99N 15.77E 0–14 3.4L,3.2L
IEPN VI 01 00 36 00.0 76.88N 15.90E 10 3.4L,3.2L
KOLA VI 01 00 36 01.2 76.20N 13.44E 0 2.4L,3.2L
ISC Event type ke.
BER Event type ke. Error ellipse: s-maj=6.4km s-min=23.5km az=-1.0. Confirmed Earthquake.
IEPN station OMEGA has station magnitude of 3.60.
ISC VI 01 00 47 29.3–.80 76.96N–.03 15.78E–.04 12–5 74 0-68
NAO VI 01 00 47 29.3–.70 76.93N 15.64E 5–4 3.6L ¶610711880
IDC VI 01 00 47 30.3–.86 76.99N 16.73E 0 3.5,3.4b
IEPN VI 01 00 47 30.1 76.94N 15.65E 10 3.5,3.4b
BER VI 01 00 47 31.5–3.1 77.01N 15.77E 0–10 3.6L,3.4L
KOLA VI 01 00 47 34.3 76.57N 15.22E 0 2.5L,3.4L
ISC Event type ke.
IDC Error ellipse: s-maj=21.2km s-min=7.8km az=75.0.
IEPN station ZFI has station magnitude of 3.80. station OMEGA has station magnitude of 3.70.
BER Event type ke. Error ellipse: s-maj=4.8km s-min=25.1km az=-1.0. Confirmed Earthquake.
KOLA Error ellipse: s-maj=69.5km s-min=27.6km az=50.0. Spitsbergen.
ISC VI 01 01 50 07.1–1.1 76.89N–.05 15.84E–.05 8–8 39 0-8
NAO VI 01 01 50 07.9–1.2 76.92N 15.54E 3–4 2.7L ¶610711881
BER VI 01 01 50 08.9–2.3 76.92N 15.60E 3–10 2.7L,2.5L
IEPN VI 01 01 50 08.0 76.90N 15.61E 10 2.7L,2.5L
ISC Event type ke.
BER Event type ke. Error ellipse: s-maj=6.6km s-min=32.6km az=-1.0. Confirmed Earthquake.
IEPN station ZFI has station magnitude of 3.60. station OMEGA has station magnitude of 3.40.
ISC VI 01 12 09 20.3–1.0 76.99N–.05 15.86E–.05 8–8 24 0-7
BER VI 01 12 09 21.5–1.2 76.94N 15.51E 0–8 2.6L ¶611792858
IEPN VI 01 12 09 21.0 76.94N 15.67E 10 2.6L
ISC Event type ke.
BER Event type ke. Error ellipse: s-maj=7.1km s-min=27.3km az=-1.0. Confirmed Earthquake.
IEPN station ZFI has station magnitude of 3.50.
ISC VI 03 19 01 29.5–1.6 77.66N–.05 7.59E–.04 30–16 50 1-9
NAO VI 03 19 01 28.6–1.9 77.57N 7.92E 3.0L ¶610711886
BER VI 03 19 01 30.1–2.5 77.61N 7.83E 10 3.8,3.0L
DNK VI 03 19 01 32.2–2.1 77.62N 8.06E 36–22 1.5L,3.0L
IEPN VI 03 19 01 34.0 77.77N 8.93E 10 1.5L,3.0L
ISC Event type ke.
NAO Error ellipse: s-maj=0.2km s-min=0.1km az=-1.0.
BER Event type ke. Error ellipse: s-maj=7.6km s-min=19.4km az=-1.0. Confirmed Earthquake.
DNK Error ellipse: s-maj=14.5km s-min=52.3km az=-1.0.
IEPN station ZFI has station magnitude of 3.50. station OMEGA has station magnitude of 3.50.
ISC VI 06 12 12 55.9–.83 76.96N–.04 16.47E–.08 10 28 0-8
NAO VI 06 12 12 55.4–1.3 76.94N 15.46E 4–5 2.8L ¶610711889
BER VI 06 12 12 57.3–3.3 76.98N 15.79E 4–11 2.8L,2.4L
IEPN VI 06 12 13 00.0 76.87N 17.93E 10 2.8L,2.4L
ISC Event type ke.
NAO Error ellipse: s-maj=0.1km s-min=0.2km az=-1.0.
BER Event type ke. Error ellipse: s-maj=5.3km s-min=54.0km az=-1.0. Confirmed Earthquake.
IEPN station OMEGA has station magnitude of 3.10.
ISC VI 12 06 25 16.2–1.2 77.36N–.03 18.43E–.04 14–10 38 1-8
KOLA VI 12 06 25 16.1 77.38N 18.40E 0 2.4L ¶616652084
NAO VI 12 06 25 17.2–1.2 77.34N 18.33E 23–10 2.6L
IEPN VI 12 06 25 17.0 77.41N 18.63E 10 2.6L
BER VI 12 06 25 18.7–4.0 77.36N 18.34E 15–16 2.6L,2.1L
ISC Event type ke.
KOLA Error ellipse: s-maj=5.7km s-min=1.8km az=100.0. Storfjorden zone.
IEPN station ZFI has station magnitude of 3.30. station OMEGA has station magnitude of 3.50.
BER Event type ke. Error ellipse: s-maj=7.9km s-min=45.9km az=-1.0. Confirmed Earthquake.
ISC VI 22 19 26 12.4–1.5 78.31N–.05 7.40E–.06 29–13 3.5b,3.2s 50 1-42
NAO VI 22 19 26 11.1–2.5 78.34N 6.91E 2.9L,3.2s ¶610759418
KOLA VI 22 19 26 12.8 78.18N 8.41E 0 2.6L,3.2s
BER VI 22 19 26 12.6–2.9 78.29N 7.19E 10 3.7,2.9L
DNK VI 22 19 26 14.6–3.0 78.28N 7.17E 35–161 1.7L,2.9L
IEPN VI 22 19 26 16.0 78.29N 8.04E 10 1.7L,2.9L
IDC VI 22 19 26 16.8–6.3 78.57N 8.89E 0 3.6b,3.5
ISC Event type ke.
NAO Error ellipse: s-maj=0.1km s-min=0.2km az=-1.0.
KOLA Error ellipse: s-maj=5.4km s-min=3.2km az=80.0. Greenland sea,Knipovich ridge, middle.
BER Event type ke. Error ellipse: s-maj=9.6km s-min=23.4km az=-1.0. Confirmed Earthquake.
DNK Error ellipse: s-maj=39.8km s-min=161.8km az=-1.0.
IEPN station ZFI has station magnitude of 3.30. station OMEGA has station magnitude of 3.20.
IDC Error ellipse: s-maj=105.0km s-min=34.6km az=105.0.
ISC VI 22 20 08 09.8–1.5 78.30N–.04 7.30E–.05 26–14 3.4b,3.2s 47 1-64
NAO VI 22 20 08 09.0–2.4 78.28N 6.90E 3.5L,3.2s ¶610759419
BER VI 22 20 08 10.7–2.5 78.30N 7.10E 10 4.0,3.5L
DNK VI 22 20 08 11.8–4.3 78.31N 7.19E 38–303 1.8L,3.5L
IDC VI 22 20 08 13.7–1.6 78.46N 8.27E 0 3.5,3.5b
IEPN VI 22 20 08 14.0 78.40N 7.85E 10 3.5,3.5b
ISC Event type ke.
NAO Error ellipse: s-maj=0.3km s-min=0.1km az=-1.0.
BER Event type ke. Error ellipse: s-maj=8.2km s-min=19.8km az=-1.0. Confirmed Earthquake.
DNK Error ellipse: s-maj=75.7km s-min=236.3km az=-1.0.
IDC Error ellipse: s-maj=27.7km s-min=17.6km az=31.0.
IEPN station ZFI has station magnitude of 3.60. station OMEGA has station magnitude of 3.40.
ISC VI 22 20 12 22.2–1.1 78.39N–.08 6.76E–.05 14 29 1-8
KOLA VI 22 20 12 24.5 78.23N 8.08E 0 2.2L ¶611793187
DNK VI 22 20 12 25.3–2.9 78.80N 6.41E 18 1.8L
IEPN VI 22 20 12 26.0 78.14N 7.56E 10 1.8L
BER VI 22 20 12 27.1–2.4 78.35N 7.14E 28–26 3.4
ISC Event type ke.
KOLA Greenland sea,Knipovich ridge, middle.
DNK Error ellipse: s-maj=67.2km s-min=78.0km az=-1.0.
IEPN station ZFI has station magnitude of 3.20.
BER Event type ke. Error ellipse: s-maj=12.0km s-min=23.6km az=-1.0. Confirmed Earthquake.

(644) North of Franz Josef Land.

ISC III 02 02 44 41.9–3.6 86.6N–.20 50.8E–.20 10 21 6-13
IEPN III 02 02 44 39.0 86.53N 69.74E 10 ¶611676933
BER III 02 02 44 52.3–1.2 86.19N 46.95E 0–109 2.3L
ISC Event type ke.
IEPN station OMEGA has station magnitude of 3.30. station ZFI has station magnitude of 3.20.
BER Event type ke. Error ellipse: s-maj=127.0km s-min=999.9km az=-1.0. Confirmed Earthquake.

(647) Barents Sea.

ISC III 24 14 59 00.9–.93 76.66N–.04 29.74E–.04 10 54 1-9
BER III 24 14 59 04.8–3.5 76.66N 29.88E 15–21 2.6L,2.1L ¶610467760
NAO III 24 14 59 05.4–2.5 76.61N 29.06E 16–15 2.6L,2.1L
IEPN III 24 14 59 05.0 76.79N 29.04E 10 2.6L,2.1L
KOLA III 24 14 59 05.4 76.51N 30.86E 0 2.1L,2.1L
ISC Event type ke.
BER Event type ke. Error ellipse: s-maj=10.5km s-min=60.7km az=-1.0. Confirmed Earthquake.
NAO Error ellipse: s-maj=0.1km s-min=0.1km az=-1.0.
IEPN station OMEGA has station magnitude of 3.30. station ZFI has station magnitude of 3.20.
KOLA Barentz Sea.

(651) North of Severnaya Zemlya.

ISC II 23 20 13 40.5–1.5 86.15N–.03 73.66E–.04 12–9 5.0b,3.8s 1085 6-145
BJI II 23 20 13 37.0–.00 86.20N 74.60E 10 5.1b,4.7b ¶610240059
MOS II 23 20 13 38.6–.91 86.20N 74.91E 10 5.0b,4.7b
IDC II 23 20 13 38.7–.34 86.18N 75.01E 0 4.6,4.6b
GCMT II 23 20 13 39.3–.40 86.21N–.02 72.9E–.60 12 4.8W,4.6b
NEIC II 23 20 13 40.3–1.8 86.16N–.09 74E–1.0 10–1 5.0b,4.6b
IEPN II 23 20 13 43.0 85.71N 73.52E 10 5.0b,4.6b
ISC Event type se.
MOS Error ellipse: s-maj=70.0km s-min=3.5km az=89.1.
IDC Error ellipse: s-maj=10.5km s-min=8.4km az=109.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s13,c13; s82,c100;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-2.01±.07 $M_{\theta\theta}$1.76±.08; $M_{\phi\phi}$0.24±.08; $M_{r\theta}$-0.14±.33; $M_{\theta\phi}$-0.66±.06; $M_{r\phi}$0.71±.35; Best double couple: NP1:ϕ_s126.00000°,δ52.00000°,λ-71.00000°. NP2:ϕ_s276.00000°,δ42.00000°,λ-113.00000°. Principal axes: T 2.0430,Plg6.0000° ,Azm202.0000°; N 0.1680,Plg15.0000°,Azm294.0000°; P -2.2150,Plg74.0000°,Azm93.0000° $M_0$2.12900×10^{16}

NEIC Event type se. Error ellipse: s-maj=15.6km s-min=14.0km az=118.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IEPN station OMEGA has station magnitude of 4.30. station ZFI has station magnitude of 4.40.
station ZFI2 has station magnitude of 4.30. station SVZ has station magnitude of 3.60.
station LSH has station magnitude of 5.43. station ADZR has station magnitude of 5.34.
station KLMR has station magnitude of 5.32.

ISC III 03 09 32 29.4–.62 84.96N–.08 95.17E–.07 10 3.6b,3.2s 24 6-77
IDC III 03 09 32 28.2–.70 85.02N 96.63E 0 3.7,3.6b **¶610545445**
IEPN III 03 09 32 33.0 84.88N 96.83E 10 3.7,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=22.5km s-min=14.5km az=131.0.
IEPN station SVZ has station magnitude of 3.50. station ZFI has station magnitude of 3.60. station OMEGA has station magnitude of 3.60.

ISC IV 07 22 41 44.8–.76 84.86N–.04 99.59E–.04 14–4 4.6b,3.6s 584 6-104
BJI IV 07 22 41 42.0–.00 84.90N 100.30E 22 4.9b,4.6b **¶611832246**
IDC IV 07 22 41 42.8–.41 84.90N 100.84E 0 4.3,4.3b
MOS IV 07 22 41 42.5–.92 84.85N 100.98E 10 4.8b,4.3b
NEIC IV 07 22 41 44.9–1.6 84.97N–.08 99.9E–1.0 10–1 4.7b,4.3b
IEPN IV 07 22 41 46.7 84.59N 97.46E 10 4.7b,4.3b
ISC Event type se.
IDC Error ellipse: s-maj=13.6km s-min=10.1km az=139.0.
MOS Error ellipse: s-maj=42.7km s-min=5.1km az=89.2.
NEIC Event type se. Error ellipse: s-maj=15.0km s-min=13.5km az=115.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IEPN station SVZ has station magnitude of 4.20. station OMEGA has station magnitude of 4.20.
station LSH has station magnitude of 5.19. station ADZR has station magnitude of 4.97.

ISC IV 08 00 46 29.1–.47 84.87N–.03 99.79E–.03 11–2 5.0b,4.4s 1094 6-175
BJI IV 08 00 46 26.8–.00 85.08N 101.54E 23 5.2b,5.0s **¶611832269**
IDC IV 08 00 46 26.9–.34 84.89N 100.69E 0 4.5,4.5b
GCMT IV 08 00 46 27.3–.10 84.93N–.01 100.1E–.10 12 5.2W,4.5b
IEPN IV 08 00 46 27.0 84.42N 98.82E 10 5.2W,4.5b
MOS IV 08 00 46 27.9–.92 84.80N 101.13E 14 5.1b,4.4s
NEIC IV 08 00 46 29.3–1.9 84.87N–.07 99.7E–.90 10–1 5.1b,4.4s
BGR IV 08 00 46 44.7 84.50N 85.00E 29–0 4.9b,4.4s
ISC Event type ke.
IDC Error ellipse: s-maj=10.6km s-min=8.7km az=129.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s50,c63; s137,c231;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-7.17±.10 $M_{\theta\theta}$4.20±.09; $M_{\phi\phi}$2.97±.09; $M_{r\theta}$-1.25±.36;
$M_{\theta\phi}$-3.08±.08; $M_{\phi r}$0.97±.43; Best double couple: NP1:ϕ_s129.00000°,δ51.00000°,λ-90.00000°.
NP2:ϕ_s310.00000°,δ39.00000°,λ-89.00000°. Principal axes: T 6.9030,Plg6.0000°
,Azm219.0000°; N 0.4440,Plg0.0000°,Azm129.0000°; P -7.3480,Plg84.0000°,Azm36.0000°
$M_0$7.12500×10^{16}
IEPN station SVZ has station magnitude of 4.70. station OMEGA has station magnitude of 4.20.
station LSH has station magnitude of 5.51. station ADZR has station magnitude of 5.24.
MOS Error ellipse: s-maj=33.0km s-min=4.1km az=88.6.
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=12.5km az=88.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BGR Event type ke.

ISC IV 08 00 49 28.6–.42 84.92N–.06 98.46E–.05 10 4.6b 73 6-78
IDC IV 08 00 49 27.3–.54 84.91N 100.60E 0 4.0,4.0b **¶610652191**
NEIC IV 08 00 49 29–1.9 85.0N–.10 99E–1.0 10–1 4.7b,4.0b
IEPN IV 08 00 49 30.0 84.36N 98.91E 10 4.7b,4.0b
ISC Event type se.
IDC Error ellipse: s-maj=17.4km s-min=13.5km az=135.0.
NEIC Event type se. Error ellipse: s-maj=18.7km s-min=15.5km az=169.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IEPN station SVZ has station magnitude of 4.00. station OMEGA has station magnitude of 3.80.
station LSH has station magnitude of 4.87.

ISC IV 08 00 56 53.3–.61 84.93N–.04 100.74E–.04 9–3 4.7b,4.3s 684 6-89
BJI IV 08 00 56 50.5–.00 85.12N 100.92E 16 5.0b,4.8s **¶611832267**
IDC IV 08 00 56 52.0–.39 84.91N 101.03E 0 4.4,4.4b
MOS IV 08 00 56 52.7–.89 84.88N 100.61E 14 4.9b,4.4b
NEIC IV 08 00 56 53.8–1.6 84.99N–.09 100E–1.0 10–1 4.8b,4.4b
IEPN IV 08 00 56 56.0 84.39N 98.47E 10 4.8b,4.4b
BGR IV 08 00 57 07.3 84.53N 82.82E 10 4.5b,4.4b
ISC Event type ke.
IDC Error ellipse: s-maj=12.0km s-min=9.2km az=135.0.
MOS Error ellipse: s-maj=36.4km s-min=5.0km az=89.1.
NEIC Event type se. Error ellipse: s-maj=17.3km s-min=14.1km az=133.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IEPN station SVZ has station magnitude of 4.00. station OMEGA has station magnitude of 4.10.
station LSH has station magnitude of 5.22.
BGR Event type ke.

ISC IV 08 00 58 52.9–.82 84.9N–.10 98.11E–.08 10 3.9b 18 6-78
IDC IV 08 00 58 51.2–1.1 85.00N 100.23E 0 3.9,3.9b **¶610652193**
IEPN IV 08 00 58 55.0 84.44N 100.07E 10 3.9,3.9b
ISC Event type ke.
IDC Error ellipse: s-maj=28.4km s-min=22.5km az=135.0.
IEPN station SVZ has station magnitude of 3.10. station OMEGA has station magnitude of 3.50.

ISC IV 23 19 48 23.9–.38 84.94N–.05 100.02E–.05 10 4.2b,3.8s 139 6-78
IDC IV 23 19 48 21.8–.55 84.82N 102.54E 0 4.4L,4.0 **¶610547628**
MOS IV 23 19 48 22.1–1.3 84.93N 100.86E 11 4.3b,4.0
NEIC IV 23 19 48 23.9–2.4 84.90N–.07 101.0E–.80 10–1 4.3b,4.0
IEPN IV 23 19 48 25.0 84.61N 100.68E 10 4.3b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=15.4km s-min=11.8km az=131.0.
MOS Error ellipse: s-maj=81.2km s-min=7.3km az=88.7.
NEIC Event type se. Error ellipse: s-maj=15.7km s-min=6.9km az=46.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IEPN station SVZ has station magnitude of 3.70. station ZFI has station magnitude of 3.60. station OMEGA has station magnitude of 3.50. station LSH has station magnitude of 4.85. station PRGR has station magnitude of 4.88. station KLMR has station magnitude of 4.93.

ISC IV 23 21 00 13.4–.40 84.95N–.06 99.13E–.05 10 4.0b,3.8s 94 6-89
IDC IV 23 21 00 11.7–.50 84.91N 100.80E 0 3.8s,3.8 **¶610547635**
NEIC IV 23 21 00 13.7–1.6 85.0N–.10 99E–1.0 13–6 4.2b,3.8
MOS IV 23 21 00 14.2–1.2 84.98N 99.03E 29 4.2b,3.8
IEPN IV 23 21 00 15.0 84.71N 99.97E 10 4.2b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=15.3km s-min=10.8km az=132.0.
NEIC Event type se. Error ellipse: s-maj=16.2km s-min=14.2km az=124.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=92.8km s-min=7.5km az=88.8.
IEPN station SVZ has station magnitude of 3.70. station OMEGA has station magnitude of 3.50.
station LSH has station magnitude of 4.74. station KLMR has station magnitude of 4.97.

ISC V 13 08 43 44.7–.45 84.94N–.04 98.37E–.03 12–2 4.6b,4.4s 687 6-164
BJI V 13 08 43 38.1–.00 85.27N 98.99E 5 5.2b,4.8s **¶611833879**
IDC V 13 08 43 42.8–.34 84.86N 99.43E 0 5.0L,4.5
MOS V 13 08 43 42.6–1.0 84.81N 99.41E 10 5.0b,4.3s
BGR V 13 08 43 43.7 84.14N 100.06E 10 4.4b,4.3s
GCMT V 13 08 43 44.2–.10 84.86N–.01 99.1E–.10 12 5.1W,4.3s
NEIC V 13 08 43 44.4 84.54N 100.48E 12 5.1W,4.3s
NEIC V 13 08 43 44.2–1.7 84.94N–.08 98.2E–1.0 9–4 5.1,4.8b
NEIC V 13 08 43 44.4 84.94N 98.21E 12 5.1,4.8b
IEPN V 13 08 43 47.0 84.54N 97.73E 10 5.1,4.8b
ISC Event type ke.
IDC Error ellipse: s-maj=10.8km s-min=7.2km az=140.0.
MOS Error ellipse: s-maj=47.8km s-min=5.6km az=87.4.
BGR Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s51,c59; s141,c245;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-6.52±.09 $M_{\theta\theta}$3.68±.08; $M_{\phi\phi}$2.84±.08; $M_{r\theta}$-1.26±.32;
$M_{\theta\phi}$-2.75±.07; $M_{\phi r}$0.46±.40; Best double couple: NP1:ϕ_s127.00000°,δ51.00000°,λ-95.00000°.
NP2:ϕ_s314.00000°,δ39.00000°,λ-84.00000°. Principal axes: T 6.1670,Plg6.0000°
,Azm220.0000°; N 0.5080,Plg4.0000°,Azm130.0000°; P -6.6750,Plg83.0000°,Azm7.0000°
$M_0$6.42100×10^{16}
NEIC Event type se. Moment Tensor Solution.Duration: 2.0 Moment tensor: Scale 10^{16}Nm;
M_{rr}-5.04 $M_{\theta\theta}$2.55 $M_{\phi\phi}$2.50 $M_{r\theta}$-1.24 $M_{\theta\phi}$-1.93 $M_{\phi r}$-1.54 NP1:ϕ_s331.65000°,δ48.87000°
,λ-66.57000°. NP2:ϕ_s118.27000°,δ46.29000°,λ-114.48000°. Principal axes:
T 4.4519,Plg1.0000°,Azm45.0000°; N 1.2145,Plg17.0000°,Azm136.0000°
; P -5.6664,Plg73.0000°,Azm311.0000° $M_0$5.06000×10^{16}
NEIC Event type se. Error ellipse: s-maj=12.3km s-min=11.4km az=83.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se.
IEPN station SVZ has station magnitude of 4.30. station ZFI has station magnitude of 4.40. station OMEGA has station magnitude of 4.40. station LSH has station magnitude of 5.37. station PRGR has station magnitude of 5.46.

ISC V 13 09 46 50.4–.31 84.84N–.04 98.58E–.04 10 4.6b,3.5s 418 6-78
MOS V 13 09 46 48.9–.96 84.81N 99.50E 10 4.7b,3.5s **¶610638459**
IDC V 13 09 46 49.1–.41 84.82N 99.76E 0 4.3,4.3b
NEIC V 13 09 46 50.6–1.5 84.86N–.08 99E–1.0 10–1 4.6b,4.3b
IEPN V 13 09 46 53.0 84.63N 97.99E 10 4.6b,4.3b
ISC Event type se.
MOS Error ellipse: s-maj=56.5km s-min=5.9km az=87.9.
IDC Error ellipse: s-maj=12.5km s-min=8.8km az=132.0.
NEIC Event type se. Error ellipse: s-maj=15.5km s-min=13.9km az=109.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IEPN station SVZ has station magnitude of 3.90. station OMEGA has station magnitude of 3.80.
station LSH has station magnitude of 4.78.

ISC VI 07 17 20 40.3–.70 84.69N–.04 103.43E–.04 12–4 4.8b,3.6s 547 5-96
MOS VI 07 17 20 38.8–1.2 84.68N 103.84E 11 4.9b,3.6s **¶610666951**
IDC VI 07 17 20 38.7–.42 84.67N 104.15E 0 4.2,4.2b
GCMT VI 07 17 20 39.3–.30 84.72N–.03 103.1E–.50 12 4.7W,4.2b
NEIC VI 07 17 20 40.3–1.8 84.70N–.08 103.3E–.90 10–1 4.9b,4.2b
IEPN VI 07 17 20 43.0 84.35N 101.51E 10 4.9b,4.2b
ISC Event type se.
MOS Error ellipse: s-maj=56.9km s-min=5.4km az=88.2.
IDC Error ellipse: s-maj=12.2km s-min=9.9km az=137.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s15,c17; s84,c103;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-1.46±.05 $M_{\theta\theta}$1.01±.06; $M_{\phi\phi}$0.44±.06; $M_{r\theta}$-0.13±.24;
$M_{\theta\phi}$-0.51±.04; $M_{\phi r}$0.81±.28; Best double couple: NP1:ϕ_s140.00000°,δ59.00000°,λ-70.00000°.
NP2:ϕ_s286.00000°,δ37.00000°,λ-119.00000°. Principal axes: T 1.4210,Plg11.0000°
,Azm216.0000°; N 0.3320,Plg17.0000°,Azm310.0000°; P -1.7560,Plg70.0000°,Azm93.0000°
$M_0$1.58800×10^{16}
NEIC Event type se. Error ellipse: s-maj=14.8km s-min=13.7km az=86.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IEPN station SVZ has station magnitude of 3.80. station LSH has station magnitude of 5.12. station KLMR has station magnitude of 5.14.

(652) Severnaya Zemlya.

ISC I 11 07 43 05.5–.62 78.01N–.06 96.61E–.07 10 3.4b 28 2-58
IDC I 11 07 43 04.4–.87 78.00N 97.42E 0 4.1L,3.7 **¶610237134**
IEPN I 11 07 43 09.0 77.81N 97.65E 5 4.1L,3.7
ISC Event type ke.
IDC Error ellipse: s-maj=24.8km s-min=16.4km az=122.0.
IEPN station SVZ has station magnitude of 4.90.

(653) Near coast of northern Siberia.

ISC II 23 07 47 12.4–.40 74.40N–.06 114.06E–.05 10 4.2b,3.3s 87 5-154
IDC II 23 07 47 11.2–.50 74.45N 114.03E 0 4.4L,4.0 **¶610239714**
NEIC II 23 07 47 12.7–.99 74.4N–.10 114.0E–.30 10–1 4.3b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(654) East of Severnaya Zemlya.

ISC IV 05 08 39 12.3–.70 80.76N–.09 120.53E–.06 10 4.1b 38 4-82
IDC IV 05 08 39 10.2–1.9 80.51N 121.15E 0 3.8,3.7b **¶610651988**
NEIC IV 05 08 39 11.3–1.2 80.8N–.20 120.3E–.80 10–2 4.4b,3.7b
IEPN IV 05 08 39 15.0 80.04N 121.22E 10 4.4b,3.7b
ISC Event type se.
IDC Error ellipse: s-maj=50.6km s-min=20.9km az=171.0.
NEIC Event type se. Error ellipse: s-maj=32.0km s-min=20.5km az=174.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IEPN station SVZ has station magnitude of 4.00.

SEISMIC REGION 41.
Eastern Asia.

(656) Southeastern Siberia.

ISC I 22 00 09 43.3–.48 57.21N–.02 127.63E–.03 10 3.8b 78 2-77
YARS I 22 00 09 42.5 57.18N 127.71E 26 3.8b **¶610235037**
MOS I 22 00 09 43.7–1.9 57.23N 127.71E 15 4.2b
IDC I 22 00 09 43.6–.97 57.22N 127.46E 0 3.8L,3.7
NEIC I 22 00 09 44.1–1.4 57.27N–.08 127.5E–.20 10–2 4.2b,3.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

ISC IV 10 02 56 41.1–.93 53.62N–.06 134.83E–.03 10 31 1-8
SKHL IV 10 02 56 43.5–.60 53.40N 134.78E 14–6 4.5b **¶615092573**
MOS IV 10 02 56 47.6–2.2 53.07N 135.53E 10 4.0b
ISC Event type ke.
MOS Error ellipse: s-maj=22.6km s-min=16.3km az=103.3.

ISC IV 12 13 06 42.8–.76 56.65N–.02 121.63E–.02 10–5 106 0-11
MOS IV 12 13 06 41.8–1.8 56.62N 121.52E 8 3.8b **¶610593951**
YARS IV 12 13 06 41.6 56.66N 121.59E 8 3.8b
BYKL IV 12 13 06 43.3–.24 56.61N 121.54E 6–3 3.8b
ISC Event type se.
MOS Error ellipse: s-maj=14.6km s-min=11.5km az=75.8.
BYKL Event type se. FELT I=III-I-IV MSK at Yuktali.

ISC IV 25 14 59 03.5–.74 56.59N–.02 121.52E–.02 12–5 111 0-34
YARS IV 25 14 59 04.2 56.61N 121.54E 5 **¶610554308**
MOS IV 25 14 59 04.3–2.8 56.62N 121.54E 7 3.9b
BYKL IV 25 14 59 04.6–.18 56.58N 121.53E 4–2 3.9b
ISC Event type se.
MOS Event type fe. Error ellipse: s-maj=10.9km s-min=8.7km az=97.5. Felt (II) at Uktali. Moment Tensor Solution.
BYKL Event type se. FELT I=II MSK at Yuktali.

ISC V 02 13 51 24.9–.57 57.40N–.03 120.91E–.02 10 3.4b 68 1-50
YARS V 02 13 51 23.7 57.44N 120.96E 7 3.4b **¶610646454**
IDC V 02 13 51 24.8–1.6 57.37N 120.75E 0 4.1L,3.5
BYKL V 02 13 51 25.8–.35 57.40N 120.90E 4.1L,3.5
ISC Event type se.
IDC Error ellipse: s-maj=32.8km s-min=20.2km az=155.0.
BYKL Event type se.

(657) Priamurye-Northeastern China border region.

ISC I 17 03 04 17.1–.65 49.85N–.03 118.73E–.03 10 61 1-71
IDC I 17 03 04 16.8–1.5 49.94N 118.52E 0 3.4,3.4b **¶610197707**
MOS I 17 03 04 16.4–2.5 49.68N 118.68E 10 3.8b,3.4b
BYKL I 17 03 04 17.8–.29 49.75N 118.79E 3.8b,3.4b
ISC Event type se.
IDC Error ellipse: s-maj=40.7km s-min=24.2km az=164.0.
MOS Error ellipse: s-maj=18.1km s-min=14.9km az=125.7.
BYKL Event type se.

ISC I 17 08 53 47.0–.45 49.81N–.03 118.72E–.03 10 3.6b 105 1-84
MOS I 17 08 53 47.2–3.0 49.74N 118.83E 10 4.2b **¶610098990**
BYKL I 17 08 53 47.0–.46 49.72N 118.74E 4.2b
IDC I 17 08 53 48.8–.84 49.57N 118.50E 0 3.7,3.6b
ISC Event type se.
MOS Error ellipse: s-maj=10.5km s-min=7.5km az=113.2.

BYKL Event type se.
IDC Error ellipse: s-maj=25.5km s-min=14.9km az=1.0.
ISC I 21 03 22 24.8–.75 44.54N–.04 132.32E–.07 10 3.5b 21 0-64
MOS I 21 03 22 21.6–2.4 44.64N 132.32E 14 4.4b **¶610234972**
IDC I 21 03 22 21.1–1.2 44.66N 132.64E 0 3.3,3.3b
SKHL I 21 03 22 22.7–.20 44.63N 132.56E 14–7 4.2b,3.3s
ISC Event type ke.
MOS Event type fe. Error ellipse: s-maj=29.0km s-min=14.4km az=82.5. Felt (III) at Spassk-Dal'niy. Moment Tensor Solution.
IDC Error ellipse: s-maj=13.1km s-min=9.4km az=121.0.
SKHL Felt (IV) at rec center on Lake Khanka; (III) at Voskresenka, Prohory, Spasskoe, Novosel'skoe, Spassk-Dal'niy; (II) at Kamen'-Rybolov.
ISC I 21 16 43 34.3–.46 51.95N–.03 120.02E–.03 10 3.8b,3.1s 120 2-73
IDC I 21 16 43 32.0–.75 51.85N 119.96E 0 3.5,3.5b **¶610105033**
MOS I 21 16 43 32.3–1.3 51.99N 119.90E 12 4.1b,3.5b
BJI I 21 16 43 34.0–.00 52.00N 119.90E 10 4.6L,4.0s
BYKL I 21 16 43 35.4–.66 52.07N 119.85E 4.6L,4.0s
ISC Event type se.
IDC Error ellipse: s-maj=16.0km s-min=12.7km az=12.0.
MOS Error ellipse: s-maj=9.5km s-min=7.0km az=113.4.
BYKL Event type se.

(658) Northeastern China.

ISC I 02 02 10 10.6–.65 40.85N–.04 114.34E–.04 13 3.5b 24 3-70
IDC I 02 02 10 08.3–1.3 40.81N 114.44E 0 4.1L,3.5 **¶610236432**
ISC Event type ke.
IDC Error ellipse: s-maj=36.8km s-min=21.2km az=65.0.
ISC I 03 11 41 12.1–.85 37.4N–.10 115.07E–.09 10 3.6b 13 10-73
IDC I 03 11 41 10.6–.82 37.40N 115.04E 0 3.6,3.6b **¶610236557**
ISC Event type ke.
IDC Error ellipse: s-maj=23.2km s-min=19.5km az=88.0.
IDC I 15 06 40 14.9–815 39.03N 112.58E 0
¶610237418
IDC Error ellipse: s-maj=290.5km s-min=183.7km az=166.0.
KEA I 24 17 57 09.5 40.77N 122.79E 16 2.5L
¶612618743
IDC II 15 05 11 12.9–999 40.17N 122.47E 0
¶610415540
IDC Error ellipse: s-maj=473.5km s-min=154.4km az=66.0.
IDC II 23 09 17 19.9–7.8 40.10N 111.25E 0 3.5L,3.1
¶610384867
IDC Error ellipse: s-maj=109.9km s-min=50.7km az=92.0.
ISC III 02 18 48 35.1–.40 38.25N–.04 120.76E–.03 10 4.2b,3.1s 130 1-86
IDC III 02 18 48 32.4–.60 37.96N 120.68E 0 4.0,4.0b **¶610244530**
MOS III 02 18 48 33.3–1.3 37.90N 120.71E 20 4.4b,4.0b
BJI III 02 18 48 34.7–.00 38.06N 120.77E 10 4.6b,4.5L
NEIC III 02 18 48 35.5–1.6 38.20N–.08 120.80E–.09 13–5 4.4b,4.5L
KEA III 02 18 48 35.4 38.26N 121.03E 15 4.4L,4.5L
ISC Event type se.
IDC Error ellipse: s-maj=15.8km s-min=13.0km az=34.0.
MOS Error ellipse: s-maj=9.0km s-min=6.3km az=124.6.
NEIC Event type se. Error ellipse: s-maj=12.9km s-min=8.9km az=219.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC III 09 00 03 00.8–3.1 41.97N 123.68E 0 3.2b,3.1
¶610545840
IDC Error ellipse: s-maj=34.6km s-min=22.5km az=85.0.
ISC III 20 16 54 40.9–.84 38.25N–.08 120.92E–.05 10 3.6b 28 3-86
IDC III 20 16 54 38.1–1.1 38.04N 120.75E 0 3.6,3.6b **¶610543343**
KEA III 20 16 54 43.8 38.33N 121.04E 16 4.0L,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=27.7km s-min=16.5km az=22.0.
ISC III 24 03 03 23.9–.42 38.76N–.04 119.54E–.03 10 4.1b 89 2-87
IDC III 24 03 03 22.1–.80 38.65N 119.43E 0 3.8,3.7b **¶610471017**
NEIC III 24 03 03 23.5–1.4 38.5N–.10 119.29E–.07 10–2 4.3b,3.7b
BJI III 24 03 03 27.0–.00 38.81N 119.50E 15 4.6b,4.4b
KEA III 24 03 03 27.2 38.75N 119.69E 16 4.2L,4.4b
ISC Event type se.
IDC Error ellipse: s-maj=21.8km s-min=13.5km az=18.0.
NEIC Event type se. Error ellipse: s-maj=21.2km s-min=5.9km az=202.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 27 02 21 47.4–.71 46.08N–.04 123.15E–.05 10 3.5b 23 3-62
IDC III 27 02 21 45.8–1.6 46.22N 123.37E 0 3.3s,3.3 **¶610543770**
KEA III 27 02 22 01.7 45.61N 123.20E 15 3.3L,3.3
ISC Event type ke.
IDC Error ellipse: s-maj=24.1km s-min=18.8km az=20.0.
ISC III 27 14 06 53.3–.63 37.91N–.07 120.63E–.05 10 4.2b 59 4-87
IDC III 27 14 06 51.4–.75 37.90N 120.75E 0 4.0b,3.9 **¶610543797**
NEIC III 27 14 06 54.8–2.4 37.97N–.09 120.66E–.10 16–4 4.3b,3.9
KEA III 27 14 06 57.5 38.19N 121.07E 16 4.4L,3.9
ISC Event type se.
IDC Error ellipse: s-maj=19.2km s-min=13.5km az=23.0.
NEIC Event type se. Error ellipse: s-maj=14.1km s-min=9.8km az=211.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 03 11 34 15.9–.68 45.88N–.05 118.52E–.03 10 3.0b 25 3-71
IDC IV 03 11 34 15.5–1.4 46.03N 118.40E 0 3.6L,3.4 **¶610651836**
KEA IV 03 11 35 53.2 43.62N 121.48E 16 3.6L,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=38.4km s-min=20.1km az=8.0.
KEA IV 06 21 59 27.4 38.22N 121.04E 18 3.2L
¶612621596
ISC IV 07 18 08 37.0–.73 38.20N–.07 121.00E–.05 10 3.7b,3.1s 28 3-70
IDC IV 07 18 08 35.1–1.0 38.07N 120.79E 0 3.6,3.6b **¶610652171**
KEA IV 07 18 08 39.5 38.23N 121.05E 16 4.0L,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=36.6km s-min=15.0km az=22.0.
ISC IV 10 11 44 14.6–1.3 39.2N–.20 113.3E–.30 35 3.4b 5 10-72
IDC IV 10 11 44 09.3–1.2 39.19N 113.35E 0 3.8s,3.5 **¶610652378**
ISC Event type ke.
IDC Error ellipse: s-maj=35.1km s-min=26.1km az=77.0.
ISC IV 12 17 44 29.0–.92 38.3N–.10 120.86E–.03 10 20 3-5
KEA IV 12 17 44 31.7 38.21N 121.00E 16 3.6L **¶612621795**
ISC Event type ke.
ISC V 12 14 18 42.3–.47 50.13N–.03 121.99E–.03 10 3.9b 56 3-71
IDC V 12 14 18 40.8–.93 50.00N 121.93E 0 3.8,3.8b **¶610690134**
BYKL V 12 14 18 43.9–1.2 50.15N 121.97E 3.8,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=20.9km s-min=17.6km az=174.0.
BYKL Event type se.
ISC VI 13 14 21 26.1–1.0 38.25N–.09 120.90E–.06 10 16 1-5
KEA VI 13 14 21 25.5 38.39N 120.78E 16 3.3L **¶612625050**
ISC Event type ke.
ISC VI 18 08 33 48.5–.95 38.07N–.08 120.91E–.05 10 3.5b 26 3-63
IDC VI 18 08 33 47.1–1.2 37.79N 120.61E 0 3.5,3.5b **¶610792108**
KEA VI 18 08 33 50.7 38.18N 121.03E 16 4.0L,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=27.5km s-min=24.4km az=36.0.
KEA VI 20 00 28 01.9 38.22N 120.89E 17 3.5L
¶612625699
ISC VI 20 16 07 34.1–1.2 40.1N–.10 113.3E–.20 35 3.3b 8 9-71
IDC VI 20 16 07 29.0–1.2 40.13N 113.28E 0 3.5,3.5b **¶610789164**
ISC Event type ke.
IDC Error ellipse: s-maj=32.7km s-min=21.2km az=67.0.
IDC VI 22 10 24 40.6–3.0 42.42N 128.97E 0 2.4,2.2L
¶610789269
IDC Error ellipse: s-maj=41.0km s-min=15.9km az=119.0.

(659) North Korea.

IDC I 07 08 15 57.8–2.9 42.26N 129.23E 0 2.5,2.3L
¶610236886
IDC Error ellipse: s-maj=46.2km s-min=15.7km az=119.0.
IDC I 09 10 14 08.1–3.0 42.09N 129.70E 0 2.5,2.1L
¶610237022
IDC Error ellipse: s-maj=49.4km s-min=20.5km az=120.0.
IDC I 17 06 08 52.0–3.0 41.73N 126.98E 0 3.1,2.9L
¶610237573
IDC Error ellipse: s-maj=39.8km s-min=15.1km az=106.0.
ISC I 17 07 06 55.1–.96 38.81N–.03 125.81E–.07 14–11 23 0-2
KEA I 17 07 06 56.5 38.81N 125.85E 14 2.8L **¶612533417**
KMA I 17 07 06 56.7–.73 38.71N 125.86E 6–5 2.8L
ISC Event type ke.
KMA Error ellipse: s-maj=5.2km s-min=4.7km az=126.0.
IDC I 21 12 30 11.0–3.0 42.14N 129.45E 0 2.6,2.2L
¶610234995
IDC Error ellipse: s-maj=50.0km s-min=15.6km az=119.0.
ISC I 29 04 45 52.4–1.4 38.74N–.04 127.15E–.04 11–13 25 1-2
KEA I 29 04 45 51.9 38.73N 127.15E 17 2.8L **¶612533427**
KMA I 29 04 45 53.5–.48 38.70N 127.16E 8–4 2.8L
ISC Event type ke.
KMA Error ellipse: s-maj=4.0km s-min=1.8km az=170.0.
ISC II 05 11 06 15.6–1.2 39.63N–.03 127.54E–.05 4–15 32 0-2
KMA II 05 11 06 15.3–.45 39.61N 127.64E 3 **¶612533430**
KEA II 05 11 06 16.1 39.67N 127.48E 17 2.9L
ISC Event type ke.
KMA Error ellipse: s-maj=6.8km s-min=3.7km az=97.0.
IDC II 22 09 55 27.7–3.0 42.15N 129.61E 0 2.4,2.0L
¶610384799
IDC Error ellipse: s-maj=51.9km s-min=20.6km az=121.0.
IDC III 11 10 23 23.3–3.1 42.17N 129.46E 0 2.3,2.0L
¶610546009
IDC Error ellipse: s-maj=53.5km s-min=20.7km az=122.0.
IDC IV 18 12 54 00.4–3.2 42.21N 129.43E 0 2.4,2.1L
¶610652982
IDC Error ellipse: s-maj=52.2km s-min=20.9km az=122.0.
IDC IV 30 05 05 53.4–3.2 41.72N 126.96E 0 2.9,2.7L
¶610650383
IDC Error ellipse: s-maj=41.7km s-min=16.4km az=108.0.
IDC IV 30 09 38 58.5–3.2 42.34N 129.19E 0 2.6,2.4L
¶610650400
IDC Error ellipse: s-maj=38.9km s-min=21.1km az=121.0.

(660) Sea of Japan.

ISC I 12 17 04 57.8–.26 41.66N–.03 133.09E–.03 484–2 4.9b 1717 3-162
JMA I 12 17 04 55.6–.30 42N–2.0 134E–3.0 540–4 5.5,5.3W **¶610064840**
NIED I 12 17 04 55.6 41.68N 133.50E 540 5.4W,5.3W
MOS I 12 17 04 56.8–.86 41.73N 133.05E 480 5.0b,5.3W
BJI I 12 17 04 57.8–.00 41.69N 132.98E 494 5.7b,5.3b
GCMT I 12 17 04 58.8–.20 41.76N–.02 132.96E–.03 496–2 5.4W,5.3b
IDC I 12 17 04 55.8–.38 41.72N 133.04E 486–4 5.3,4.5b
NEIC I 12 17 04 58.5 41.57N 133.03E 510 5.3,4.5b
NEIC I 12 17 04 59.8–1.3 41.75N–.08 133.0E–.10 498–4 5.5,5.4
ISC Event type ke. Moment Tensor Solution. NP1:ϕ_s57.27802°,δ82.65488°,λ-162.71716°. NP2: ϕ_s325.00012°,δ72.86339°,λ-7.68838°. Principal axes: T Plg6.7738°,Azm190.1160° ; N Plg71.2650°,Azm79.6157°; P Plg17.3826°,Azm282.2469°
JMA Event type ke. SEA OF JAPAN .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.29 $M_{\theta\theta}$1.27 $M_{\phi\phi}$-0.98 $M_{r\theta}$-0.27 $M_{\theta\phi}$0.31 $M_{\phi r}$-0.62 NP1:ϕ_s41.00000°,δ79.00000°,λ-149.00000°. NP2:ϕ_s304.00000° ,δ60.00000°,λ-13.00000°. $M_0$1.37000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. Moment Tensor Solution. s80,c119;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.03±.03 $M_{\theta\theta}$1.18±.04; $M_{\phi\phi}$-1.15±.04; $M_{r\theta}$-0.30±.05; $M_{\theta\phi}$0.56±.04; $M_{\phi r}$-0.75±.04; Best double couple: NP1: ϕ_s33.00000°,δ87.00000°,λ-149.00000°. NP2:ϕ_s301.00000°,δ59.00000°,λ-4.00000°. Principal axes: T 1.4630,Plg19.0000°,Azm162.0000°; N 0.1170,Plg59.0000°,Azm38.0000° ; P -1.5760,Plg24.0000°,Azm261.0000° $M_0$1.52000×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 2s4 Moment tensor: Scale 10^{17}Nm; M_{rr}0.11 $M_{\theta\theta}$1.01 $M_{\phi\phi}$-1.12 $M_{r\theta}$-0.38 $M_{\theta\phi}$0.56 $M_{\phi r}$-0.56 NP1:ϕ_s209.95000°,δ86.37000° ,λ150.33000°. NP2:ϕ_s302.02000°,δ60.39000°,λ4.17000°. Principal axes: T 1.3668,Plg23.0000°,Azm162.0000°; N 0.0357,Plg60.0000°,Azm24.0000° ; P -1.4025,Plg18.0000°,Azm260.0000° $M_0$1.38000×10^{17}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-1.37 $M_{\theta\theta}$1.92 $M_{\phi\phi}$-0.55 $M_{r\theta}$0.12 $M_{\theta\phi}$0.82 $M_{\phi r}$-1.06 NP1:ϕ_s284.49000°,δ52.88000°,λ-40.65000°. NP2:ϕ_s41.89000°,δ58.71000° ,λ-135.07000°. Principal axes: T 2.1792,Plg3.0000°,Azm162.0000°; N -0.0020,Plg37.0000° ,Azm69.0000°; P -2.1772,Plg53.0000°,Azm256.0000° $M_0$2.18000×10^{17}
ISC I 14 04 00 08.3–.84 37.74N–.08 135.18E–.08 400 3.2b 20 2-57
IDC I 14 04 00 08.7–1.0 37.83N 135.08E 382–14 3.8,2.9b **¶610237331**
JMA I 14 04 00 08.4–.21 37.8N–.90 135E–1.0 381–2 3.4,2.9b
ISC Event type ke.
JMA Event type ke. SEA OF JAPAN .
ISC I 15 13 39 39.4–.75 38.30N–.07 135.44E–.07 350 3.0b 28 2-80
JMA I 15 13 39 39.5–.26 38N–2.0 136E–2.0 379 3.3 **¶610237439**
IDC I 15 13 39 40.1–1.1 38.19N 135.31E 363–12 3.5,2.7b
ISC Event type ke.
JMA Event type ke. SEA OF JAPAN .
IDC Error ellipse: s-maj=17.9km s-min=14.0km az=76.0.
ISC I 16 14 48 59.0–.85 38.4N–.10 133.5E–.10 448 3.3b 13 4-73
IDC I 16 14 48 59.5–1.0 38.41N 133.50E 458–13 3.7,2.9b **¶610237523**
ISC Event type ke.
IDC Error ellipse: s-maj=26.6km s-min=15.2km az=77.0.
JMA I 17 06 53 08.8–.06 36.6N–.20 136.0E–.30 22–0 3.6
NIED I 17 06 53 08.8 36.59N 135.98E 22 3.4W **¶610207620**
JMA Event type fe. NW OFF HOKURIKU DISTRICT.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{14}Nm; M_{rr}0.93 $M_{\theta\theta}$0.26 $M_{\phi\phi}$-1.20 $M_{r\theta}$0.45 $M_{\theta\phi}$0.24 $M_{\phi r}$0.21 NP1:ϕ_s16.00000°,δ55.00000°,λ125.00000°. NP2:ϕ_s145.00000° ,δ48.00000°,λ51.00000°. $M_0$1.22000×10^{14}
ISC I 23 19 55 41.5–.88 38.1N–.10 134.1E–.10 459 3.1b 14 3-65
IDC I 23 19 55 40.9–1.6 37.98N 133.98E 447–28 3.6,2.7b **¶610235215**
JMA I 23 19 55 42.0–.30 38N–2.0 134E–2.0 451 3.6,2.7b
ISC Event type ke.
JMA Event type ke. SEA OF JAPAN .
ISC II 06 13 25 10.5–1.5 37.0N–.10 134.98E–.10 372 22 2-57
JMA II 06 13 25 10.3–.50 37N–1.0 135E–2.0 385–3 3.4 **¶610414973**
IDC II 06 13 25 11.1–3.4 36.70N 134.78E 369–62 3.3,2.8b
ISC Event type ke.
JMA Event type ke. SEA OF JAPAN .
IDC Error ellipse: s-maj=165.2km s-min=31.4km az=13.0.
ISC II 10 09 08 51.1–.56 36.78N–.07 135.24E–.07 372 3.7b 63 1-151
NEIC II 10 09 08 51.3–1.5 36.82N–.09 135.3E–.10 368–9 4.1b **¶610415227**
IDC II 10 09 08 51.1–.99 36.78N 135.16E 367–12 3.8,2.8b
JMA II 10 09 08 51.1–.29 37N–1.0 135E–2.0 362–2 3.2,2.8b
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
JMA Event type ke. NW OFF KINKI DISTRICT .
ISC II 11 10 32 20.9–.97 37.9N–.10 135.47E–.08 400 2.7b 22 3-41
JMA II 11 10 32 21.0–.49 38N–4.0 136E–4.0 414 3.4 **¶610415310**
IDC II 11 10 32 21.2–1.5 38.20N 135.19E 350–21 3.4,2.7b
ISC Event type ke.
JMA Event type ke. SEA OF JAPAN .
IDC Error ellipse: s-maj=32.5km s-min=26.3km az=156.0.
ISC II 15 19 41 00.6–.33 37.17N–.03 135.27E–.03 373–3 4.5b 1012 1-152
BGR II 15 19 40 15.3 36.11N 136.83E 33 4.8b **¶610216925**
BJI II 15 19 40 59.4–.00 37.17N 135.23E 388 4.9b,4.6b
MOS II 15 19 40 59.6–.92 37.20N 135.22E 371 4.5b,4.6b
JMA II 15 19 41 00.1–.17 37.2N–.80 135.3E–.90 381–1 4.8W,4.7
IDC II 15 19 41 00.9–.41 37.18N 135.20E 371–4 4.8,4.0b
NEIC II 15 19 41 00.9–2.0 37.20N–.07 135.27E–.09 367–5 4.5b,4.0b
NIED II 15 19 41 00.1 37.16N 135.33E 381 4.8W,4.0b
ISC Event type ke. Moment Tensor Solution. NP1:ϕ_s220.67838°,δ80.96458°,λ133.54053°. NP2: ϕ_s320.06207°,δ44.28361°,λ12.99847°. Principal axes: T Plg38.1163°,Azm168.9307°

; N Plg42.8686°,Azm32.1901°; P Plg23.2763°,Azm278.6553°
ISC Event type ke. Hypocentre not reviewed by the ISC.
MOS Error ellipse: s-maj=5.8km s-min=4.1km az=107.3.
JMA Event type ke. SEA OF JAPAN .
IDC Error ellipse: s-maj=7.2km s-min=6.3km az=111.0.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=9.6km az=128.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.45 $M_{\theta\theta}$0.97 $M_{\phi\phi}$-0.52 $M_{r\theta}$-0.09 $M_{\theta\phi}$0.93 $M_{\phi r}$-1.19 NP1:ϕ_s24.00000°,δ78.00000°,λ-136.00000°. NP2:ϕ_s282.00000°,δ47.00000°,λ-17.00000°. $M_0$1.72000×10^{16}
ISC III 15 17 26 30.6–.75 41.54N–.09 133.79E–.09 500 3.4b 23 3-67
JMA III 15 17 26 30.7–.47 41N–1.0 134E–4.0 537 3.5 ¶610546262
IDC III 15 17 26 30.6–1.1 41.68N 133.53E 477–13 3.7,3.0b
ISC Event type ke.
JMA Event type ke. SEA OF JAPAN .
IDC Error ellipse: s-maj=26.8km s-min=14.9km az=73.0.
ISC III 23 09 24 11.7–.38 39.16N–.06 130.39E–.06 600 3.9b 217 3-95
JMA III 23 09 24 08.3–.35 39N–2.0 130E–3.0 629 3.9 ¶610471013
MOS III 23 09 24 10.3–.71 39.19N 130.29E 592 4.1b
NEIC III 23 09 24 11.5–1.5 39.27N–.10 130.2E–.10 573–7 4.0b
IDC III 23 09 24 11.5–.55 39.22N 130.15E 583–6 4.2,3.2b
ISC Event type ke.
JMA Event type ke. SEA OF JAPAN .
MOS Error ellipse: s-maj=10.0km s-min=6.8km az=119.1.
NEIC Event type se. Error ellipse: s-maj=16.1km s-min=14.5km az=93.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=10.1km s-min=8.0km az=76.0.
ISC IV 04 17 31 06.7–.99 37.16N–.09 135.2E–.10 372 3.0b 16 2-57
IDC IV 04 17 31 06.8–1.1 37.10N 135.11E 359–15 3.4,2.8b ¶610651936
JMA IV 04 17 31 06.4–.43 37N–2.0 135E–2.0 371–4 2.7,2.8b
ISC Event type ke.
JMA Event type ke. SEA OF JAPAN .
ISC IV 05 07 25 40.6–.62 38.52N–.08 133.60E–.07 448 3.5b 39 2-81
JMA IV 05 07 25 38.7–.44 38N–2.0 133E–2.0 478–4 3.4 ¶610598305
IDC IV 05 07 25 41.2–.99 38.42N 133.35E 456–12 3.9,3.1b
ISC Event type ke.
JMA Event type ke. SEA OF JAPAN .
IDC Error ellipse: s-maj=14.7km s-min=10.9km az=66.0.
ISC IV 12 07 34 59.5–.29 38.57N–.03 133.76E–.03 459–3 4.5b 839 2-152
NIED IV 12 07 34 57.3 38.60N 133.89E 480 5.2W ¶610526855
BGR IV 12 07 34 57.8 38.50N 134.50E 440 4.6b
JMA IV 12 07 34 57.3–.19 39N–1.0 134E–1.0 480–2 5.2,5.1W
BJI IV 12 07 34 58.6–.00 38.61N 133.67E 467 5.1b,5.1b
MOS IV 12 07 34 58.2–1.1 38.63N 133.79E 454 4.6b,5.1b
IDC IV 12 07 34 59.7–.38 38.63N 133.76E 455–4 4.8,3.9b
NEIC IV 12 07 35 00.0–1.7 38.60N–.08 133.8E–.10 459–6 4.5b,3.9b
ISC Event type ke. Moment Tensor Solution. NP1:ϕ_s319.28122°,δ73.00436°,λ-50.91853°. NP2:ϕ_s69.07562°,δ42.06809°,λ-154.13460°. Principal axes: T Plg18.5561°,Azm21.2324°; N Plg37.0773°,Azm125.9271°; P Plg47.0213°,Azm270.1171°
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.37 $M_{\theta\theta}$3.57 $M_{\phi\phi}$-2.20 $M_{r\theta}$4.21 $M_{\theta\phi}$2.08 $M_{\phi r}$-2.82 NP1:ϕ_s294.00000°,δ82.00000°,λ-55.00000°. NP2:ϕ_s35.00000°,δ36.00000°,λ-167.00000°. $M_0$6.28000×10^{16}
BGR Event type ke.
JMA Event type ke. SEA OF JAPAN .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 14 03 19 34.0–.91 39.6N–.20 131.5E–.20 550 2.9b 10 3-63
IDC IV 14 03 19 33.7–1.1 39.58N 131.53E 543–14 3.5,2.6b ¶610652676
ISC Event type ke.
IDC Error ellipse: s-maj=24.5km s-min=16.7km az=56.0.
ISC IV 21 15 09 13.9–1.3 37.9N–.10 134.94E–.09 350 13 3-12
JMA IV 21 15 09 12.2–.35 38N–1.0 135E–1.0 397–2 3.1 ¶610653203
IDC IV 21 15 09 14.7–2.5 37.92N 134.73E 334–51 3.9
ISC Event type ke.
JMA Event type ke. SEA OF JAPAN .
IDC Error ellipse: s-maj=43.0km s-min=25.0km az=35.0.
ISC V 01 01 11 36.5–.98 37.2N–.10 135.25E–.10 400 13 2-57
JMA V 01 01 11 36.5–.32 37N–2.0 135E–1.0 378–3 2.6 ¶610689270
IDC V 01 01 11 37.4–1.3 37.22N 135.15E 376–20 3.3,2.5b
ISC Event type ke.
JMA Event type ke. SEA OF JAPAN .
IDC Error ellipse: s-maj=42.6km s-min=22.4km az=47.0.
ISC V 11 10 24 33.1–.62 37.04N–.06 135.22E–.06 362–6 3.5b 59 1-94
IDC V 11 10 24 33.5–.66 37.02N 135.15E 360–7 4.0,3.1b ¶610690044
JMA V 11 10 24 33.6–.18 37.1N–.90 135.2E–.80 365–1 3.2,3.1b
ISC Event type ke.
JMA Event type ke. NW OFF HOKURIKU DISTRICT.
ISC V 11 10 48 07.1–1.1 37.8N–.10 134.73E–.10 400 19 2-57
JMA V 11 10 48 04.2–.22 38N–2.0 135E–2.0 420 3.2 ¶610690045
IDC V 11 10 48 07.2–1.3 37.79N 134.76E 393–18 3.5,2.7b
ISC Event type ke.
JMA Event type ke. SEA OF JAPAN .
IDC Error ellipse: s-maj=30.0km s-min=22.9km az=39.0.
IDC V 13 21 04 09.9–687 41.99N 134.02E 0
¶610690216
IDC Error ellipse: s-maj=339.5km s-min=202.3km az=174.0.
ISC VI 02 00 40 20.0–.33 41.72N–.05 132.21E–.05 500 4.2b 637 2-154
JMA VI 02 00 40 19.6–.39 42N–2.0 133E–3.0 568 4.0 ¶610659596
IDC VI 02 00 40 20.9–.56 41.75N 132.11E 511–5 4.5,3.5b
BJI VI 02 00 40 20.7–.00 41.81N 132.09E 522 4.8b,4.5b
NEIC VI 02 00 40 21.8–1.1 41.8N–.10 132.1E–.10 512–7 4.2b,4.5b
ISC Event type ke.
JMA Event type ke. SEA OF JAPAN .
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 08 15 03 22.1–.84 37.76N–.09 135.06E–.07 400 3.3b 27 1-71
JMA VI 08 15 03 21.2–.38 38N–1.0 135E–1.0 397–3 3.0 ¶610791471
IDC VI 08 15 03 22.1–1.4 37.86N 134.97E 386–15 3.6,2.9b
ISC Event type ke.
JMA Event type ke. SEA OF JAPAN .
IDC Error ellipse: s-maj=37.7km s-min=19.9km az=53.0.
IDC VI 13 04 05 49.4–1.4 37.08N 135.01E 370–24 3.3,2.8b
¶610791756
IDC Error ellipse: s-maj=47.1km s-min=27.3km az=37.0.
ISC VI 13 23 37 33.1–.39 37.13N–.04 134.98E–.03 374–3 4.4b 694 1-152
BGR VI 13 23 36 43.6 35.44N 137.91E 33 4.8b,3.6s ¶610673006
BJI VI 13 23 37 31.4–.00 37.10N 135.03E 383 4.8b,4.6b
JMA VI 13 23 37 32.8–.16 37.1N–.80 135.0E–.80 383–1 4.6W,4.5
NIED VI 13 23 37 32.8 37.07N 135.02E 383 4.6W,4.5
MOS VI 13 23 37 32.7–1.0 37.16N 134.96E 381 4.5b,4.5
NEIC VI 13 23 37 33.4–1.9 37.09N–.07 135.00E–.08 375–7 4.4b,4.5
IDC VI 13 23 37 33.2–.53 37.10N 134.94E 371–6 4.7,4.0b
ISC Event type ke.
BGR Event type ke.
JMA Event type ke. SEA OF JAPAN .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}0.30 $M_{\theta\theta}$0.74 $M_{\phi\phi}$-1.05 $M_{r\theta}$0.39 $M_{\theta\phi}$-0.01 $M_{\phi r}$-0.07 NP1:ϕ_s140.00000°,δ71.00000°,λ25.00000°. NP2:ϕ_s41.00000°,δ66.00000°,λ160.00000°. $M_0$1.01000×10^{16}
MOS Error ellipse: s-maj=7.1km s-min=4.9km az=98.4.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=5.9km az=137.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=8.5km s-min=7.7km az=136.0.
ISC VI 24 14 40 39.8–.63 36.73N–.09 134.88E–.07 372–7 3.2b 40 1-79
IDC VI 24 14 40 39.6–.70 36.72N 134.90E 371–8 3.8,3.0b ¶610789391
JMA VI 24 14 40 39.6–.10 36.7N–.60 134.9E–.60 375–0 2.8,3.0b
ISC Event type ke.
JMA Event type ke. NW OFF KINKI DISTRICT .

(661) Primorye.

ISC II 22 22 43 57.3–.42 43.33N–.06 134.29E–.05 450 3.9b 130 2-90
BJI II 22 22 43 55.7–.00 43.40N 134.20E 445 4.8b,4.1b ¶610239650
MOS II 22 22 43 55.8–1.0 43.36N 134.13E 440 4.0b,4.1b
SKHL II 22 22 43 55.7–1.0 43.30N 134.27E 440–15 4.6s,4.5b
IDC II 22 22 43 57.1–.71 43.36N 134.08E 430–8 4.2,3.3b
JMA II 22 22 43 59.7–.51 43N–2.0 135E–5.0 460 3.9,3.3b
ISC Event type ke.
JMA Event type ke. NEAR VLADIVOSTOK .
ISC IV 23 22 44 32.3–.59 42.09N–.07 133.75E–.07 462 3.4b 50 2-75
IDC IV 23 22 44 32.8–.79 42.10N 133.59E 464–8 3.8,3.0b ¶610649837
SKHL IV 23 22 44 32.6–.60 42.05N 133.72E 490–3 4.2s,4.2b
JMA IV 23 22 44 33.3–.42 42N–2.0 134E–4.0 514 3.7,4.2b
ISC Event type ke.
JMA Event type ke. SEA OF JAPAN .

(662) Sakhalin Island.

ISC I 06 01 51 20.7–2.1 46.11N–.05 141.2E–.10 10–13 13 1-2
SKHL I 06 01 51 20.2–.40 46.10N 141.30E 9–5 4.2b ¶614097184
JMA I 06 01 51 20.1–.26 46.2N–.80 141E–1.0 4–2 3.1
ISC Event type ke.
JMA Event type ke. SOUTH SAKHALIN .
ISC I 06 11 37 20.9–1.1 46.47N–.02 142.07E–.05 24–9 3.7b,3.2s 59 1-75
MOS I 06 11 37 17.7–1.9 46.45N 142.01E 11 4.1b,3.2s ¶610038447
JMA I 06 11 37 18.9–.24 46.7N–.90 142E–1.0 24 3.9,3.2s
SKHL I 06 11 37 19.2–.90 46.40N 141.90E 11–3 4.7b,3.2s
IDC I 06 11 37 25.6–2.4 46.43N 141.91E 64–26 3.7,3.4s
ISC Event type ke.
MOS Event type fe. Error ellipse: s-maj=11.8km s-min=7.4km az=93.7. Felt (III-IV) at Gornozavodsk; (II-III) at Nevel'sk; (II) at Shebunino. Moment Tensor Solution.
JMA Event type ke. SOUTH SAKHALIN .
IDC Error ellipse: s-maj=19.5km s-min=16.1km az=31.0.
ISC II 22 03 24 36.6–.61 46.06N–.05 143.65E–.07 334–6 3.5b 63 1-83
IDC II 22 03 24 37.0–.73 46.24N 143.47E 328–10 3.9,3.2b ¶610239518
JMA II 22 03 24 36.9–.32 46N–2.0 144E–3.0 342 3.7,3.2b
SKHL II 22 03 24 38.5–.60 45.99N 143.69E 327–6 5.1s,4.5b
ISC Event type ke.
IDC Error ellipse: s-maj=16.5km s-min=12.4km az=161.0.
JMA Event type ke. SOUTH SAKHALIN .
ISC III 19 03 05 11.7–1.3 46.58N–.06 141.8E–.10 26–8 9 0-1
JMA III 19 03 05 11.4–.37 47N–1.0 142E–2.0 36 2.5 ¶614161502
SKHL III 19 03 05 11.4–.40 46.45N 141.96E 10 3.8b
ISC Event type ke.
JMA Event type ke. SOUTH SAKHALIN .
ISC III 25 15 38 24.0–1.2 53.03N–.03 143.08E–.04 24–9 4.1b 121 1-85
IDC III 25 15 38 20.9–.56 53.07N 142.91E 0 4.0b,3.9 ¶610435134
MOS III 25 15 38 20.5–1.1 53.00N 143.07E 12 4.3b,3.1s
SKHL III 25 15 38 21.8–.20 52.98N 142.90E 11–3 4.9b,3.1s
NEIC III 25 15 38 22.8–2.2 53.03N–.09 143.1E–.10 15–5 4.2b,3.1s
ISC Event type se.
MOS Event type fe. Felt (II-III) at Okha, Sabo, Tungor. Moment Tensor Solution.
SKHL Event type fe. Felt (II-III) at Okha, Tungor, Sabo.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 07 12 11 12.4–.79 46.99N–.03 142.61E–.03 11–5 4.0b,3.4s 89 0-83
IDC IV 07 12 11 10.5–.77 47.05N 142.52E 0 3.7,3.7b ¶610518543
SKHL IV 07 12 11 11.3–.40 47.02N 142.60E 13–2 5.0b,4.7s
MOS IV 07 12 11 11.5–.98 46.94N 142.59E 12 4.3b,3.5s
NIED IV 07 12 11 17.0 46.81N 142.08E 20 4.0W,3.5s
JMA IV 07 12 11 17.0–.93 47N–4.0 142E–5.0 20 4.0,3.5s
ISC Event type ke.
SKHL Event type fe. Felt (III-IV) at Elochki, Dal'nee, Troiyskoye, Yuzhno-Sakhalinsk, Uspenskoye, (III) at Lugovoye, Novaya Derevnya, Kluchi, Novoaleksandrovsk, Sanatorniy, Ogon'ki, (II-III) at Aniva, Hristoforovka, Dolinsk, Taranay,Korsakov, (II) at Kholmsk, Starodubskoye, Nevel'sk.
MOS Event type fe. Felt (III-IV) at Dal'neye, Elochki, Troitskoye, Uspenskoye, Yuzhno-Sakhalinsk; (III) at Klyuchi, Lugovoye, Novaya Derevnya, Novoaleksandrovsk, Ogon'ki, Sanatornoye; (II-III) at Aniva, Dolinsk, Korsakov, Khristoforovka, Taranai; (II) at Nevel'sk, Starodubskoye, Kholmsk. Moment Tensor Solution.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.99 $M_{\theta\theta}$-0.04 $M_{\phi\phi}$-0.96 $M_{r\theta}$0.10 $M_{\theta\phi}$-0.39 $M_{\phi r}$-0.03 NP1:ϕ_s26.00000°,δ46.00000°,λ99.00000°. NP2:ϕ_s193.00000°,δ45.00000°,λ81.00000°. $M_0$1.05000×10^{15}
JMA Event type ke. SOUTH SAKHALIN .
ISC IV 23 06 37 08.6–.45 46.09N–.02 142.22E–.03 15–2 5.2b,4.7s 1319 1-156
SKHL IV 23 06 37 04.7–.80 45.99N 142.05E 5–3 5.3b,5.0s ¶610547552
NIED IV 23 06 37 05.2 46.31N 142.20E 14 5.1W,5.0s
BJI IV 23 06 37 05.0–.00 46.34N 142.56E 23 5.3b,5.2s
JMA IV 23 06 37 05.2–.50 46N–1.0 142E–2.0 14–3 5.3,5.1W
BGR IV 23 06 37 05.8 45.72N 143.44E 33 5.3b,4.7s
IDC IV 23 06 37 06.1–.39 46.16N 142.20E 0 4.9b,4.8
MOS IV 23 06 37 07.5–.88 46.15N 142.13E 19 5.3b,4.7s
NEIC IV 23 06 37 08.1–1.1 46.17N–.04 142.18E–.09 10–1 5.2b,4.7s
GCMT IV 23 06 37 11.1–.20 46.25N–.02 141.98E–.01 15–0 5.1W,4.7s
ISC Event type ke.
SKHL Event type fe. Felt (IV) at Kril'on, (III-IV) at Aniva, Shebunino, Taranay, (III) at Gornozavodsk, (II-III) at Ogon'ki, Korsakov, Nevel'sk, (II) at Kholmsk, Troitskoye, Yuzhno-Sakhalinsk, Dal'nee, Starodubskoye, Uglegorsk.
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}4.41 $M_{\theta\theta}$-0.32 $M_{\phi\phi}$-4.09 $M_{r\theta}$0.19 $M_{\theta\phi}$0.30 $M_{\phi r}$-0.63 NP1:ϕ_s174.00000°,δ49.00000°,λ88.00000°. NP2:ϕ_s357.00000°,δ41.00000°,λ93.00000°. $M_0$4.31000×10^{16}
JMA Event type fe. SOUTH SAKHALIN .
BGR Event type ke.
MOS Event type fe. Felt (III) at Aniva, Kril'on; (II-III) at Yuzhno-Sakhalinsk, Nevel'sk; (II) at Holmsk, Dal'neye. Moment Tensor Solution.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s82,c102; s134,c214;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}5.91±.18 $M_{\theta\theta}$-0.43±.11; $M_{\phi\phi}$-5.48±.14; $M_{r\theta}$-0.96±.26; $M_{\theta\phi}$0.04±.08; $M_{\phi r}$-2.35±.24; Best double couple: NP1:ϕ_s188.00000°,δ57.00000°,λ99.00000°. NP2:ϕ_s352.00000°,δ34.00000°,λ77.00000°. Principal axes: T 6.5070,Plg76.0000°,Azm125.0000°; N -0.5570,Plg7.0000°,Azm3.0000°; P -5.9500,Plg11.0000°,Azm272.0000° $M_0$6.22800×10^{16}
ISC IV 23 06 49 56.9–1.1 46.10N–.04 142.07E–.08 10 10 1-1
JMA IV 23 06 49 55.9–.50 46N–1.0 142E–2.0 12–4 2.8 ¶614802626
SKHL IV 23 06 49 56.7–.20 46.08N 142.16E 6–3 3.7b
ISC Event type ke.
JMA Event type ke. SOUTH SAKHALIN .
ISC IV 23 10 52 44.0–1.9 46.15N–.04 142.14E–.08 3–15 13 1-2
JMA IV 23 10 52 42.8–.53 46N–1.0 142E–2.0 8–4 2.9 ¶614802778
SKHL IV 23 10 52 44.5–.10 46.09N 142.16E 5–1 3.9b
ISC Event type ke.
JMA Event type ke. SOUTH SAKHALIN .
ISC IV 23 19 08 49.3–2.0 46.12N–.04 142.22E–.08 2–15 17 1-2
SKHL IV 23 19 08 49.4–.80 46.01N 142.22E 3–1 4.2b ¶614803195
JMA IV 23 19 08 49.4–.52 46N–1.0 142E–2.0 11–3 3.3
ISC Event type ke.
JMA Event type ke. SOUTH SAKHALIN .
ISC IV 23 23 56 55.8–1.4 46.15N–.04 142.05E–.08 8–10 3.6b 25 1-84
JMA IV 23 23 56 54.3–.42 46N–1.0 142E–2.0 6–3 3.7 ¶610598438
SKHL IV 23 23 56 54.8–.70 46.03N 142.21E 4–1 4.4b
IDC IV 23 23 56 55.1–1.2 46.23N 142.08E 0 3.7L,3.6
ISC Event type ke.
JMA Event type ke. SOUTH SAKHALIN .
IDC Error ellipse: s-maj=37.3km s-min=21.3km az=82.0.
ISC IV 25 19 12 27.3–1.9 46.12N–.04 142.03E–.09 1–16 13 1-2
JMA IV 25 19 12 26.1–.46 46N–1.0 142E–2.0 9–3 3.0 ¶614804722
SKHL IV 25 19 12 27.1–.40 46.12N 142.03E 3–1 4.0b
ISC Event type ke.
JMA Event type ke. SOUTH SAKHALIN .

ISC	**IV**	**25 19 18 51.6–1.7**	**46.18N–.05**	**142.07E–.09**	**7–14**		**11**	**1-1**
JMA	IV	25 19 18 49.8–.46	46N–1.0	142E–2.0	9–4	2.8		**¶614804728**
SKHL	IV	25 19 18 50.2–.80	46.06N	142.12E	4–1	3.6b		
ISC	Event type ke.							
JMA	Event type ke. SOUTH SAKHALIN .							
ISC	**IV**	**25 22 35 07.4–3.3**	**46.08N–.03**	**142.12E–.07**	**4–25**		**15**	**1-2**
JMA	IV	25 22 35 06.5–.35	46.3N–1.0	142E–1.0	9–2	3.3		**¶614804809**
SKHL	IV	25 22 35 06.9–1.0	46.05N	142.15E	3–1	3.9b		
ISC	Event type ke.							
JMA	Event type ke. SOUTH SAKHALIN .							
ISC	**IV**	**27 11 16 37.2–2.9**	**46.10N–.06**	**142.03E–.09**	**0–24**		**12**	**1-1**
JMA	IV	27 11 16 36.2–.46	46N–2.0	142E–2.0	7	2.8		**¶614805850**
SKHL	IV	27 11 16 36.3–.80	46.02N	142.14E	3–2	3.8b		
ISC	Event type ke.							
JMA	Event type ke. SOUTH SAKHALIN .							
ISC	**IV**	**27 12 08 15.6–2.0**	**46.14N–.04**	**142.16E–.08**	**0–15**		**15**	**1-2**
JMA	IV	27 12 08 15.1–.55	46N–1.0	142E–2.0	7–4	3.4		**¶614805894**
SKHL	IV	27 12 08 16.0–.70	46.03N	142.18E	4–3	4.2b		
ISC	Event type ke.							
JMA	Event type ke. SOUTH SAKHALIN .							
ISC	**IV**	**29 19 52 54.0–3.5**	**46.11N–.05**	**142.05E–.09**	**10–26**		**10**	**1-1**
JMA	IV	29 19 52 52.8–.48	46N–1.0	142E–2.0	4	2.5		**¶614808049**
SKHL	IV	29 19 52 53.3–.60	46.08N	142.11E	6–4	3.5b		
ISC	Event type ke.							
JMA	Event type ke. SOUTH SAKHALIN .							
ISC	**IV**	**30 15 04 35.6–1.4**	**46.11N–.04**	**142.13E–.08**	**18–11**		**12**	**1-2**
JMA	IV	30 15 04 32.0–.64	46N–2.0	142E–2.0	10–4	2.9		**¶614808903**
SKHL	IV	30 15 04 33.9–.70	46.10N	142.15E	5–3	3.9b		
ISC	Event type ke.							
JMA	Event type ke. SOUTH SAKHALIN .							
ISC	**V**	**10 22 16 11.1–1.7**	**46.05N–.03**	**141.60E–.08**	**12–13**		**18**	**1-4**
JMA	V	10 22 16 09.4–.31	46.2N–1.0	142E–1.0	17–2	3.4		**¶614818674**
SKHL	V	10 22 16 10.2–.70	46.02N	141.66E	10–4	4.1b		
ISC	Event type ke.							
JMA	Event type ke. SOUTH SAKHALIN .							
ISC	**V**	**15 12 57 01.4–1.9**	**46.13N–.04**	**142.14E–.08**	**6–14**		**12**	**1-1**
JMA	V	15 12 57 00.4–.53	46N–1.0	142E–2.0	6–4	2.6		**¶614822513**
SKHL	V	15 12 57 01.0–.90	46.05N	142.23E	8–2	3.4b		
ISC	Event type ke.							
JMA	Event type ke. SOUTH SAKHALIN .							
ISC	**V**	**16 11 30 55.9–1.2**	**46.14N–.04**	**142.06E–.07**	**6–13**		**16**	**1-2**
SKHL	V	16 11 30 53.7–.90	46.04N	142.20E	10–3	4.0b		**¶614823272**
JMA	V	16 11 30 53.9–.36	46N–1.0	142E–2.0	16–3	2.8		
ISC	Event type ke.							
JMA	Event type ke. SOUTH SAKHALIN .							
ISC	**V**	**16 13 07 35.2–3.7**	**46.05N–.05**	**142.10E–.09**	**2–28**		**13**	**1-1**
JMA	V	16 13 07 33.1–.47	46N–2.0	142E–2.0	5	2.5		**¶614823341**
SKHL	V	16 13 07 34.6–.70	46.06N	142.16E	7	3.1b		
ISC	Event type ke.							
JMA	Event type ke. SOUTH SAKHALIN .							
ISC	**V**	**21 07 01 39.8–2.2**	**46.02N–.04**	**141.51E–.09**	**7–15**		**13**	**1-2**
SKHL	V	21 07 01 39.2–.70	45.90N	141.80E	4–2	3.5b		**¶614827593**
JMA	V	21 07 01 39.4–.29	46.2N–.90	141.6E–.90	16–2	2.6		
ISC	Event type ke.							
JMA	Event type ke. SOUTH SAKHALIN .							
ISC	**V**	**28 19 17 29.0–1.1**	**46.14N–.05**	**142.05E–.09**	**21**		**10**	**1-1**
JMA	V	28 19 17 25.4–.49	46N–2.0	142E–2.0	5	2.5		**¶614834674**
SKHL	V	28 19 17 27.1–.40	46.09N	142.18E	10–2	3.4b		
ISC	Event type ke.							
JMA	Event type ke. SOUTH SAKHALIN .							
ISC	**V**	**28 20 43 20.0–1.7**	**46.11N–.04**	**142.09E–.07**	**3–14**		**14**	**1-2**
SKHL	V	28 20 43 19.0–.80	45.99N	142.22E	4–2	3.9b		**¶614834739**
JMA	V	28 20 43 19.1–.49	46N–1.0	142E–2.0	10–4	2.9		
ISC	Event type ke.							
JMA	Event type ke. SOUTH SAKHALIN .							
ISC	**V**	**28 21 44 37.8–1.1**	**50.69N–.02**	**142.14E–.04**	**12–9**		**34**	**0-70**
MOS	V	28 21 44 34.6–2.9	50.73N	141.84E	11	4.0b		**¶615092677**
SKHL	V	28 21 44 36.2–.30	50.72N	142.13E	9–2	4.8b		
ISC	Event type fe.							
MOS	Event type fe. Error ellipse: s-maj=19.1km s-min=10.1km az=81.4. Felt (III-IV) at Due; (III) at Aleksandrovsk- Sakhalinskiy; (II-III) at Arkovo, Mgachi; (II) at Kirovskoye, Onor. Moment Tensor Solution.							
SKHL	Event type fe. Felt (III-IV) at Due, (III) at Aleksandrovsk-Sakhalinsky, (II-III) at Mgachi, Arkovo, (II) at Kirovskoye, Onor.							
ISC	**V**	**29 02 01 11.0–1.3**	**46.06N–.03**	**142.14E–.07**	**2–13**		**14**	**1-2**
JMA	V	29 02 01 08.7–.44	46N–1.0	142E–2.0	13–3	3.2		**¶614834902**
SKHL	V	29 02 01 08.7–.70	46.00N	142.25E	7–1	4.2b		
ISC	Event type ke.							
JMA	Event type ke. SOUTH SAKHALIN .							
ISC	**V**	**31 07 52 03.8–.31**	**46.09N–.02**	**142.15E–.03**	**10**	**4.5b,3.8s**	**386**	**1-151**
NIED	V	31 07 52 01.1	46.31N	142.21E	11	4.5W,3.8s		**¶610685778**
JMA	V	31 07 52 01.1–.40	46N–1.0	142E–2.0	11–3	4.5W,4.5		
IDC	V	31 07 52 02.2–.49	46.16N	142.21E	0	4.2,4.2b		
MOS	V	31 07 52 02.7–1.0	46.18N	142.16E	14	4.6b,3.5s		
SKHL	V	31 07 52 02.8–.30	46.11N	142.11E	10–5	4.8b,4.3s		
NEIC	V	31 07 52 05.3–1.2	46.22N–.05	142.1E–.10	17–5	4.5b,4.3s		
ISC	Event type ke.							
NIED	Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}5.50 $M_{\theta\theta}$-0.16 $M_{\phi\phi}$-5.33 $M_{r\theta}$0.61 $M_{\theta\phi}$0.51 $M_{\phi r}$-2.31 NP1:ϕ_s171.00000°,δ57.00000°,λ86.00000°. NP2:ϕ_s358.00000° ,δ33.00000°,λ96.00000°. $M_0$5.94000×10^{15}							
JMA	Event type fe. SOUTH SAKHALIN .							
MOS	Event type fe. Felt (III) at Aniva, Taranai; (II) at Gornozavodsk, Korsakov, Nevel'sk, Kholmsk, Yuzhno-Sakhalinsk. Moment Tensor Solution.							
SKHL	Event type fe. Felt (III) at Aniva, Taranay, (II) at Korsakov, Kholmsk, Nevel'sk, Gornozavodsk, Yuzhno-Sakhalinsk.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
ISC	**V**	**31 07 55 38.0–1.8**	**46.13N–.04**	**142.10E–.10**	**8–15**		**15**	**1-2**
JMA	V	31 07 55 36.4–.51	46N–1.0	142E–2.0	8–4	3.1		**¶614836798**
SKHL	V	31 07 55 37.5–.20	46.11N	142.16E	8–1	4.1b		
ISC	Event type ke.							
JMA	Event type ke. SOUTH SAKHALIN .							
ISC	**V**	**31 08 05 37.6–1.2**	**46.20N–.07**	**142.0E–.10**	**10**		**8**	**1-1**
SKHL	V	31 08 05 36.5–.70	46.07N	142.15E	10	3.4b		**¶615627704**
JMA	V	31 08 05 36.1–.46	46N–1.0	142E–2.0	4	2.5		
ISC	Event type ke.							
JMA	Event type ke. SOUTH SAKHALIN .							
ISC	**V**	**31 08 10 25.4–1.8**	**46.13N–.04**	**142.16E–.07**	**7–14**		**12**	**1-2**
JMA	V	31 08 10 24.6–.39	46N–1.0	142E–2.0	11–3	2.5		**¶614836814**
SKHL	V	31 08 10 25.1–.80	46.05N	142.21E	7–3	3.9b		
ISC	Event type ke.							
JMA	Event type ke. SOUTH SAKHALIN .							
ISC	**V**	**31 09 54 22.9–2.3**	**46.14N–.04**	**142.2E–.10**	**3–16**		**12**	**1-1**
JMA	V	31 09 54 22.7–.39	46N–1.0	142E–2.0	5–3	2.7		**¶614836889**
SKHL	V	31 09 54 23.5–.50	46.05N	142.20E	8–2	3.6b		
ISC	Event type ke.							
JMA	Event type ke. SOUTH SAKHALIN .							
ISC	**V**	**31 12 56 20.5–1.5**	**46.14N–.04**	**142.16E–.07**	**5–13**		**16**	**1-2**
JMA	V	31 12 56 19.4–.35	46.3N–1.0	142E–1.0	6–2	2.5		**¶614837021**
SKHL	V	31 12 56 20.3–.90	46.04N	142.22E	7–3	3.7b		
ISC	Event type ke.							
JMA	Event type ke. SOUTH SAKHALIN .							
ISC	**VI**	**01 19 34 24.6–1.8**	**46.18N–.05**	**142.13E–.08**	**3–14**		**12**	**1-1**
JMA	VI	01 19 34 24.5–.41	46N–1.0	142E–2.0	8–3	2.8		**¶614838113**
SKHL	VI	01 19 34 25.7–.80	46.07N	142.27E	8–2	3.7b		
ISC	Event type ke.							
JMA	Event type ke. SOUTH SAKHALIN .							
ISC	**VI**	**05 08 53 01.9–1.7**	**46.09N–.05**	**142.12E–.08**	**1–14**		**13**	**1-2**
JMA	VI	05 08 53 01.3–.39	46N–1.0	142E–1.0	5–3	2.5		**¶614840988**
SKHL	VI	05 08 53 02.0–1.0	46.05N	142.21E	8–3	3.5b		
ISC	Event type ke.							
JMA	Event type ke. SOUTH SAKHALIN .							
ISC	**VI**	**06 05 53 27.4–1.3**	**46.09N–.08**	**142.1E–.10**	**10**		**7**	**1-1**
SKHL	VI	06 05 53 26.6–.80	46.03N	142.19E	8–2	3.3b		**¶614841820**
JMA	VI	06 05 53 26.3–.62	46N–2.0	142E–2.0	6	2.6		
ISC	Event type ke.							
JMA	Event type ke. SOUTH SAKHALIN .							
ISC	**VI**	**06 06 12 45.5–1.3**	**46.15N–.04**	**142.06E–.08**	**32–14**		**13**	**1-2**
JMA	VI	06 06 12 41.3–.52	46N–1.0	142E–2.0	4–4	3.3		**¶614841829**
SKHL	VI	06 06 12 42.4–.60	46.09N	142.16E	7–3	4.1b		
ISC	Event type ke.							
JMA	Event type ke. SOUTH SAKHALIN .							
ISC	**VI**	**06 12 00 06.7–.53**	**46.04N–.04**	**143.65E–.05**	**336–6**	**3.9b**	**241**	**1-83**
NIED	VI	06 12 00 05.8	46.03N	143.66E	356	4.1W		**¶612489959**
JMA	VI	06 12 00 05.8–.29	46N–2.0	144E–3.0	356	3.9		
MOS	VI	06 12 00 06.0–.86	46.14N	143.68E	343	4.0b		
NEIC	VI	06 12 00 06.7–1.9	46.07N–.07	143.8E–.10	339–5	4.0b		
IDC	VI	06 12 00 06.9–.72	46.19N	143.54E	330–10	4.1,3.3b		
SKHL	VI	06 12 00 07.5–.20	46.10N	144.00E	330–3	4.5b,4.2s		
ISC	Event type ke.							
NIED	Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}0.08 $M_{\theta\theta}$0.69 $M_{\phi\phi}$-0.77 $M_{r\theta}$0.53 $M_{\theta\phi}$-0.68 $M_{\phi r}$-0.84 NP1:ϕ_s157.00000°,δ87.00000°,λ45.00000°. NP2:ϕ_s63.00000° ,δ46.00000°,λ175.00000°. $M_0$1.41000×10^{15}							
JMA	Event type ke. SOUTH SAKHALIN .							
MOS	Error ellipse: s-maj=13.5km s-min=8.4km az=83.1.							
NEIC	Event type se. Error ellipse: s-maj=15.4km s-min=9.1km az=106.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
IDC	Error ellipse: s-maj=16.6km s-min=11.4km az=160.0.							
ISC	**VI**	**08 19 08 07.5–.59**	**46.96N–.02**	**142.56E–.03**	**14–3**	**4.3b,3.4s**	**195**	**0-89**
IDC	VI	08 19 08 03.6–.58	46.85N	142.56E	0	4.0b,3.9		**¶610668099**
JMA	VI	08 19 08 04.1–.31	47N–1.0	143E–2.0	0	4.5,3.9		
MOS	VI	08 19 08 04.4–1.2	46.92N	142.42E	7	4.5b,3.9		
NIED	VI	08 19 08 04.1	47.08N	142.92E	0	4.0W,3.9		
SKHL	VI	08 19 08 06.2–.40	46.97N	142.48E	10–2	4.8b,4.2s		
NEIC	VI	08 19 08 07.2–1.5	46.93N–.08	142.38E–.08	10–1	4.4b,4.2s		
ISC	Event type ke.							
JMA	Event type ke. SOUTH SAKHALIN .							
MOS	Event type fe. Felt (IV) at Troitskoye; (III-IV) at Dal'neye, Yolochki, Sanatornyy, Uspenskoye, Yuzhno-Sakhalinsk; (III) at Lugovoye, Novoaleksandrovsk, Novaya Derevnya; (II-III) at Sinegorsk; (II) at Aniva, Bykov, Korsakov, Pravda, Tretya Pad', Uglezavodsk, Kholmsk, Shebunino, Chaplanovo. Moment Tensor Solution.							
NIED	Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}1.07 $M_{\theta\theta}$-0.06 $M_{\phi\phi}$-1.01 $M_{r\theta}$-0.02 $M_{\theta\phi}$-0.51 $M_{\phi r}$0.39 NP1:ϕ_s14.00000°,δ54.00000°,λ78.00000°. NP2:ϕ_s214.00000° ,δ37.00000°,λ106.00000°. $M_0$1.22000×10^{15}							
SKHL	Event type fe. Felt (III-IV) at Sanatorniy, Dal'nee, (III) at Elochki, Uspenovka, Troiyskoye, (II-III) at Yuzhno-Sakhalinsk, Aniva, Novoaleksandrovsk, Sinegorsk, Ogon'ki, (II) at Kholmsk, Pravda, Korsakov, Shebunino, Chaplanovo, Bykov, Uglezavodsk, Dolinsk.							
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
ISC	**VI**	**10 08 31 20.8–1.6**	**46.14N–.05**	**142.14E–.08**	**8–13**		**12**	**1-2**
JMA	VI	10 08 31 20.3–.47	46N–1.0	142E–2.0	9–3	2.6		**¶614845329**
SKHL	VI	10 08 31 20.8–.40	46.07N	142.21E	10–4	3.5b		
ISC	Event type ke.							
JMA	Event type ke. SOUTH SAKHALIN .							
ISC	**VI**	**13 20 09 28.4–1.1**	**46.13N–.06**	**142.07E–.08**	**21**		**10**	**1-1**
JMA	VI	13 20 09 25.4–.52	46N–1.0	142E–2.0	4–4	2.6		**¶614849200**
SKHL	VI	13 20 09 25.8–.50	46.07N	142.17E	12–2	3.6b		
ISC	Event type ke.							
JMA	Event type ke. SOUTH SAKHALIN .							

(663) Sea of Okhotsk.

ISC	**II**	**26 03 42 49.0–1.2**	**48.0N–.20**	**146.6E–.10**	**483**	**3.2b**	**12**	**9-65**
IDC	II	26 03 42 49.0–1.9	47.96N	146.67E	489–26	3.7,2.7b		**¶610385033**
ISC	Event type ke.							
IDC	Error ellipse: s-maj=39.0km s-min=16.9km az=142.0.							
ISC	**III**	**04 05 42 05.2–.46**	**57.79N–.05**	**142.36E–.04**	**10**	**4.0b**	**81**	**4-146**
IDC	III	04 05 42 03.2–.73	57.86N	142.34E	0	4.1L,3.8		**¶610245292**
MOS	III	04 05 42 04.2–1.1	57.60N	142.56E	13	4.2b,3.8		
NEIC	III	04 05 42 05.4–1.6	57.7N–.10	142.5E–.20	10–2	4.2b,3.8		
NERS	III	04 05 42 08.2–.00	57.65N	142.90E	33	4.2b,3.8		
ISC	Event type se.							
IDC	Error ellipse: s-maj=15.6km s-min=9.9km az=178.0.							
MOS	Error ellipse: s-maj=15.1km s-min=8.0km az=83.0.							
NEIC	Event type se. Error ellipse: s-maj=21.9km s-min=13.3km az=148.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
NERS	Event type se.							
ISC	**IV**	**06 18 30 33.1–1.6**	**46.49N–.10**	**145.17E–.07**	**100**		**11**	**2-3**
JMA	IV	06 18 30 32.9–.30	46N–1.0	145E–1.0	28	3.1		**¶614789888**
SKHL	IV	06 18 30 33.5–.20	46.40N	145.10E	112–9	4.8,4.0b		
ISC	Event type ke.							
JMA	Event type ke. SOUTHERN SEA OF OKHOTSK .							
ISC	**IV**	**23 11 00 30.1–1.2**	**46.8N–.10**	**144.2E–.20**	**400**	**3.3b**	**17**	**1-71**
SKHL	IV	23 11 00 31.3–.60	46.53N	143.93E	398–3	4.5s,3.9b		**¶610649810**
IDC	IV	23 11 00 31.6–2.3	46.93N	143.76E	402–18	3.6,2.9b		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=47.1km s-min=15.2km az=70.0.							
ISC	**IV**	**24 05 15 30.9–1.1**	**50.5N–.20**	**149.8E–.20**	**522**	**3.2b**	**7**	**6-75**
IDC	IV	24 05 15 31.6–2.2	50.51N	149.93E	534–31	3.7,2.8b		**¶610649858**
ISC	Event type ke.							
IDC	Error ellipse: s-maj=25.1km s-min=19.8km az=67.0.							
ISC	**V**	**04 10 13 43.9–.96**	**57.38N–.05**	**155.83E–.04**	**10**		**43**	**2-7**
KRSC	V	04 10 13 42.0–2.3	57.35N	155.45E	49–39	4.4L		**¶610602366**
NERS	V	04 10 13 48.7–.00	57.53N	155.77E	33	4.4L		
ISC	Event type se.							
KRSC	Event type se.							
NERS	Event type se.							
ISC	**V**	**08 20 39 27.8–.49**	**48.14N–.06**	**146.06E–.07**	**500**	**3.7b**	**91**	**3-81**
SKHL	V	08 20 39 27.4–.60	48.10N	146.40E	530–5	5.4,4.7b		**¶610667640**
IDC	V	08 20 39 28.5–1.0	48.34N	145.75E	497–13	3.8,3.0b		
NEIC	V	08 20 39 28.6–1.1	48.2N–.10	146.0E–.20	511–8	4.1b,3.0b		
MOS	V	08 20 39 28.1–1.8	48.16N	145.91E	524	3.7b,3.0b		
ISC	Event type se.							
IDC	Error ellipse: s-maj=14.9km s-min=12.1km az=122.0.							
NEIC	Event type se. Error ellipse: s-maj=22.4km s-min=14.8km az=121.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.							
MOS	Error ellipse: s-maj=15.7km s-min=9.4km az=88.8.							
ISC	**V**	**21 22 40 50.0–.70**	**53.39N–.10**	**154.02E–.09**	**480**	**3.4b**	**57**	**2-79**
KRSC	V	21 22 40 50.0–2.4	52.87N	155.40E	537–31	4.5L		**¶610646166**
MOS	V	21 22 40 49.6–1.0	53.43N	153.83E	493	4.1b		
IDC	V	21 22 40 50.7–1.4	53.53N	153.87E	484–20	3.8,2.9b		
ISC	Event type se.							
KRSC	Event type se.							
MOS	Error ellipse: s-maj=17.2km s-min=15.7km az=39.1.							
IDC	Error ellipse: s-maj=27.7km s-min=20.7km az=100.0.							
ISC	**V**	**23 23 14 20.5–.54**	**48.06N–.07**	**146.76E–.08**	**500**	**3.2b**	**37**	**3-80**
IDC	V	23 23 14 19.9–1.9	48.38N	146.39E	474–25	3.8,2.9b		**¶610667727**
SKHL	V	23 23 14 20.3–.30	48.10N	147.10E	518–4	5.0,4.4b		
MOS	V	23 23 14 21.0–1.1	48.41N	147.29E	508	3.9b,4.4b		
ISC	Event type ke.							
IDC	Error ellipse: s-maj=18.0km s-min=13.1km az=144.0.							
MOS	Error ellipse: s-maj=27.1km s-min=17.0km az=71.0.							
ISC	**VI**	**06 01 29 42.0–.54**	**53.63N–.07**	**154.63E–.06**	**447–6**	**3.8b**	**181**	**2-86**
MOS	VI	06 01 29 41.3–.88	53.69N	154.35E	445	3.8b		**¶610664099**
KRSC	VI	06 01 29 41.3–2.6	53.39N	155.23E	476–30	4.6L		
NEIC	VI	06 01 29 42.2–.86	53.7N–.10	154.7E–.20	452–9	4.0b		
IDC	VI	06 01 29 42.6–1.2	53.66N	154.37E	443–13	4.1,3.3b		
ISC	Event type se.							
MOS	Error ellipse: s-maj=12.3km s-min=8.0km az=113.2.							
KRSC	Event type se.							

NEIC Event type se. Error ellipse: s-maj=20.8km s-min=17.4km az=181.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=17.7km s-min=12.2km az=169.0.
ISC VI 21 13 59 04.0–.88 47.8N–.10 145.8E–.20 472 3.1b 10 4-81
IDC VI 21 13 59 03.9–1.9 47.98N 145.91E 466–23 3.6,2.7b **¶610789214**
ISC Event type ke.
IDC Error ellipse: s-maj=25.1km s-min=16.6km az=100.0.
ISC VI 22 07 29 11.9–.48 47.88N–.04 145.94E–.05 461–5 4.2b 287 2-146
JMA VI 22 07 29 10.9–.48 47N–3.0 146E–4.0 491 4.3 **¶610693476**
NIED VI 22 07 29 10.9 47.49N 146.36E 491 4.4W
MOS VI 22 07 29 11.6–.91 47.97N 145.89E 463 4.3b
SKHL VI 22 07 29 11.2–.10 47.80N 146.20E 491–15 5.6,5.1b
NEIC VI 22 07 29 12.1–1.5 47.98N–.05 145.9E–.20 456–7 4.2b,5.1b
IDC VI 22 07 29 12.4–.93 48.03N 145.86E 455–10 4.5,3.6b
ISC Event type ke.
JMA Event type ke. SOUTHERN SEA OF OKHOTSK .
NIED Moment Tensor Solution. s3 Moment tensor: Scale 10^{15}Nm; M_{rr}-2.16 $M_{\theta\theta}$2.80 $M_{\phi\phi}$-0.64 $M_{r\theta}$-1.91 $M_{\theta\phi}$-3.15 $M_{\phi r}$-0.36 NP1:ϕ_s86.00000°,δ70.00000°,λ-138.00000°. NP2:ϕ_s339.00000° ,δ51.00000°,λ-26.00000°. $M_0$4.36000×10^{15}
MOS Error ellipse: s-maj=8.7km s-min=6.3km az=89.3.
NEIC Event type se. Error ellipse: s-maj=16.5km s-min=6.6km az=81.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=9.4km s-min=8.4km az=133.0.

(664) Southeastern China.

ISC I 11 19 10 41.1–.61 35.72N–.07 109.2E–.10 10 4.1b 33 5-76
IDC I 11 19 10 40.2–.98 35.77N 109.11E 0 4.1L,3.8 **¶610237181**
NEIC I 11 19 10 41.9–1.3 35.73N–.08 109.3E–.20 17–5 4.1b,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC I 23 20 34 32.3–1.7 25.27N 106.82E 0 3.3b,3.3L
¶610235218
IDC Error ellipse: s-maj=57.9km s-min=28.4km az=65.0.
IDC II 08 16 26 07.1–1.3 35.61N 110.56E 0 3.5s,3.4b
¶610415131
IDC Error ellipse: s-maj=81.3km s-min=19.9km az=62.0.
ISC II 22 18 41 26.0–.39 30.67N–.03 110.67E–.03 10 4.0b,3.3s 98 1-80
IDC II 22 18 41 23.8–.69 30.77N 110.84E 0 4.1L,3.9 **¶610239660**
NEIC II 22 18 41 26.9–1.7 30.65N–.10 110.72E–.08 17–5 4.2b,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 11 18 25 38.0–.74 30.14N–.04 119.13E–.05 10 3.4b 29 2-55
BJI IV 11 18 25 36.1–.00 30.10N 119.35E 10 4.5b,4.4L **¶610652487**
IDC IV 11 18 25 37.7–1.1 30.26N 119.10E 0 3.4,3.3b
ISC Event type ke.
IDC Error ellipse: s-maj=27.8km s-min=20.7km az=79.0.
ISC V 29 17 41 26.4–1.1 29.9N–.10 112.2E–.20 10 3.5b 7 15-57
IDC V 29 17 41 25.3–1.3 29.99N 112.22E 0 3.9L,3.5 **¶610685650**
ISC Event type ke.
IDC Error ellipse: s-maj=41.9km s-min=22.7km az=65.0.
ISC VI 16 11 48 14.3–.31 31.08N–.03 110.36E–.03 10 4.6b,3.7s 202 3-96
IDC VI 16 11 48 11.4–.67 31.09N 110.58E 0 4.2,4.2b **¶610760955**
BJI VI 16 11 48 12.4–.00 31.06N 110.45E 8 4.6b,4.6L
NEIC VI 16 11 48 14.5–1.9 31.14N–.06 110.42E–.08 10–1 4.6b,4.6L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 18 09 39 23.2–.34 31.12N–.03 110.46E–.03 10 4.3b,3.7s 148 3-93
BJI VI 18 09 39 20.7–.00 31.06N 110.46E 7 4.6b,4.6L **¶610681511**
IDC VI 18 09 39 20.5–.61 31.01N 110.53E 0 4.1,4.1b
NEIC VI 18 09 39 24.7–2.5 31.19N–.08 110.4E–.10 16–4 4.4b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VI 28 15 48 23.7–4.3 28.34N 106.96E 0 3.5b,3.5L
¶610789649
IDC Error ellipse: s-maj=100.9km s-min=36.3km az=130.0.

(665) Yellow Sea.

ISC II 25 20 34 01.5–1.2 36.31N–.08 123.55E–.08 10 13 2-71
IDC II 25 20 33 59.4–1.9 36.19N 123.50E 0 3.4,3.1L **¶610385022**
KEA II 25 20 34 03.5 36.39N 123.52E 16 4.0L,3.1L
ISC Event type ke.
IDC Error ellipse: s-maj=37.9km s-min=18.0km az=13.0.
ISC VI 15 07 56 20.0–2.3 36.61N–.08 124.8E–.10 10 19 1-4
KEA VI 15 07 56 23.1 36.64N 124.89E 19 2.8L **¶612533859**
KMA VI 15 07 56 24.8–.90 36.54N 125.07E 13–5 2.8L
ISC Event type ke.
KMA Error ellipse: s-maj=8.2km s-min=3.8km az=134.0.

SEISMIC REGION 42.
Northeastern Asia, Northern Alaska to Greenland.

(670) Near north coast of eastern Siberia.

YARS II 13 03 18 54.5 70.33N 141.46E 10
¶615327562

(671) Eastern Siberia.

ISC I 04 02 21 04.6–.65 61.37N–.05 167.74E–.06 18 3.9b 56 1-85
KRSC I 04 02 20 59.0–1.6 61.35N 168.37E 24–18 4.7L **¶609985555**
IDC I 04 02 21 01.6–1.0 61.21N 167.89E 0 5.0L,3.8
MOS I 04 02 21 02.0–1.2 61.41N 167.78E 16 4.2b,3.8
NEIC I 04 02 21 04.4–1.4 61.5N–.10 167.6E–.20 15–7 4.0b,3.8
ISC Event type se.
KRSC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 04 06 14 51.7–.65 61.94N–.03 154.97E–.03 10 4.3s,3.2b 36 1-87
NERS I 04 06 14 50.6–.00 61.95N 155.01E 7 4.3s,3.2b **¶610236675**
IDC I 04 06 14 51.3–1.0 62.04N 154.97E 0 4.4L,4.2s
ISC Event type se.
NERS Event type se.
IDC Error ellipse: s-maj=15.7km s-min=13.4km az=60.0.
ISC I 17 16 08 58.3–.89 60.19N–.03 163.22E–.03 10 22 1-8
KRSC I 17 16 08 57.8–1.4 60.20N 163.19E 11–25 4.0L **¶610099367**
NERS I 17 16 09 03.5–.00 60.36N 162.99E 33 4.0L
ISC Event type se.
KRSC Event type se.
NERS Event type se.
KRSC I 31 06 00 40.1–1.9 61.29N 168.02E 15–17 3.7L
¶610159951
KRSC Event type se.
ISC II 19 20 12 38.3–.99 60.70N–.08 166.43E–.09 24 3.2b 12 0-48
IDC II 19 20 12 31.6–3.1 59.94N 166.50E 0 3.3,3.2b **¶610231649**
KRSC II 19 20 12 34.6–.84 60.75N 166.75E 4–2 3.5L,3.2b
ISC Event type se.
IDC Error ellipse: s-maj=83.7km s-min=20.3km az=3.0.
KRSC Event type se.
YARS III 04 07 56 28.4 65.03N 146.70E 10
¶616204871
ISC III 06 17 30 50.1–.43 60.87N–.03 167.26E–.03 19–1 5.2b,4.5s 1430 1-147
BJI III 06 17 30 44.5–.00 60.76N 168.04E 21 5.2b,5.1s **¶610246845**
KRSC III 06 17 30 45.6–2.3 60.84N 167.58E 18–21 5.4,5.3L
MOS III 06 17 30 47.5–.99 60.91N 167.23E 14 5.3b,4.7s
IDC III 06 17 30 47.4–.42 60.87N 167.19E 0 4.8,4.8b
NEIC III 06 17 30 49.9–2.0 60.88N–.06 167.2E–.10 17–3 5.2b,4.8b
GCMT III 06 17 30 49.9–.30 60.91N–.03 167.38E–.05 16–1 5.0W,4.8b
BGR III 06 17 30 57.2 60.73N 165.63E 33 5.4b,4.4s
ISC Event type ke.
KRSC Event type se.
MOS Error ellipse: s-maj=6.3km s-min=3.6km az=84.8.
IDC Error ellipse: s-maj=11.8km s-min=8.9km az=169.0.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=7.9km az=146.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s35,c40; s82,c120;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.23±.18 $M_{\theta\theta}$-0.64±.12; $M_{\phi\phi}$-1.59±.12; $M_{r\theta}$-3.44±.57; $M_{\theta\phi}$-1.35±.07; $M_{\phi r}$-2.04±.38; Best double couple: NP1:ϕ_s236.00000°,δ75.00000°,λ102.00000°. NP2:ϕ_s15.00000°,δ19.00000°,λ51.00000°. Principal axes: T 4.6830,Plg58.0000° ,Azm162.0000°; N -0.0330,Plg12.0000°,Azm53.0000°; P -4.6490,Plg29.0000° ,Azm316.0000° $M_0$4.66600×10^{16}
BGR Event type ke.
ISC III 11 08 22 44.2–.41 64.73N–.04 157.03E–.04 10 3.9b,3.4s 74 2-90
MOS III 11 08 22 42.2–1.1 64.74N 157.02E 5 4.2b,3.4s **¶610323424**
NERS III 11 08 22 43.7–.00 64.74N 157.10E 12 4.2b,3.4s
IDC III 11 08 22 43.4–.58 64.85N 156.87E 0 5.3L,3.9
ISC Event type se.
MOS Error ellipse: s-maj=19.1km s-min=8.6km az=78.9.
NERS Event type se.
IDC Error ellipse: s-maj=16.4km s-min=9.6km az=133.0.
ISC III 15 15 17 20.8–.51 60.80N–.03 165.78E–.03 26–3 4.9b,3.9s 770 0-151
IDC III 15 15 17 17.1–.42 60.86N 165.75E 0 5.4L,4.6 **¶610329392**
KRSC III 15 15 17 17.1–.89 60.82N 165.76E 24–14 5.1L,4.9
BJI III 15 15 17 17.5–.00 60.84N 166.06E 30 5.2b,4.9b
MOS III 15 15 17 17.2–1.1 60.88N 165.75E 12 5.0b,4.9b
NEIC III 15 15 17 19.6–1.4 60.90N–.08 165.6E–.20 18–3 4.9b,4.9b
GCMT III 15 15 17 20.6–.40 60.92N–.04 165.59E–.09 21–1 4.8W,4.9b
ISC Event type se.
KRSC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s8,c8; s68,c92;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.18±.25 $M_{\theta\theta}$-1.64±.17; $M_{\phi\phi}$-0.53±.13; $M_{r\theta}$0.90±.25; $M_{\theta\phi}$0.73±.07; $M_{\phi r}$-0.47±.24; Best double couple: NP1:ϕ_s117.00000°,δ58.00000°,λ90.00000°. NP2: ϕ_s296.00000°,δ32.00000°,λ89.00000°. Principal axes: T 2.4110,Plg77.0000°,Azm28.0000° ; N -0.1750,Plg0.0000°,Azm297.0000°; P -2.2340,Plg13.0000°,Azm207.0000° $M_0$2.32300×10^{16}
ISC V 03 18 30 32.4–.50 61.50N–.04 167.83E–.06 37 4.1b 78 1-85
KRSC V 03 18 30 26.0–1.6 61.42N 168.21E 18–18 4.2L **¶610593971**
IDC V 03 18 30 26.7–.94 61.44N 167.87E 0 4.4L,3.9
MOS V 03 18 30 27.0–1.1 61.51N 167.83E 11 4.3b,3.9
ISC Event type se.
KRSC Event type se.
IDC Error ellipse: s-maj=26.9km s-min=11.9km az=172.0.
MOS Error ellipse: s-maj=14.1km s-min=7.5km az=87.4.
ISC V 20 06 23 21.2–.42 62.94N–.06 179.22E–.05 10 4.5s,4.2b 256 2-93
NERS V 20 06 23 18.2–.00 62.96N 179.72E 28 4.5s,4.2b **¶610645719**
IDC V 20 06 23 20.1–.63 63.04N 179.06E 0 4.3s,4.0
NEIC V 20 06 23 20.2–2.2 62.95N–.09 179.2E–.20 7–5 4.3b,4.0
MOS V 20 06 23 20.2–1.8 62.90N 179.20E 10 4.5b,4.0
ISC Event type se.
NERS Event type se.
IDC Error ellipse: s-maj=22.9km s-min=12.5km az=172.0.
NEIC Event type se. Error ellipse: s-maj=13.5km s-min=11.6km az=150.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=17.7km s-min=12.2km az=101.3.
ISC V 31 05 05 51.2–.65 60.83N–.04 165.72E–.07 15 3.5b 28 0-51
KRSC V 31 05 05 50.0–.48 60.72N 165.85E 34–11 4.3L **¶610657360**
MOS V 31 05 05 50.2–.80 60.76N 165.65E 17 4.0b
IDC V 31 05 05 50.2–1.6 60.80N 165.66E 0 5.2L,3.7
ISC Event type se.
KRSC Event type se.
MOS Error ellipse: s-maj=21.6km s-min=10.5km az=86.5.
IDC Error ellipse: s-maj=53.4km s-min=14.7km az=174.0.
ISC VI 12 15 06 26.5–.48 60.93N–.04 167.24E–.03 14–2 5.0b,4.7s 911 1-162
KRSC VI 12 15 06 23.6–1.8 60.81N 167.52E 24–15 5.4L,5.3 **¶611834096**
BJI VI 12 15 06 23.0–.00 61.00N 167.43E 14 5.1b,5.1s
MOS VI 12 15 06 24.6–.90 60.95N 167.25E 15 5.0b,4.7s
GCMT VI 12 15 06 26.5–.40 60.62N–.04 167.21E–.06 22–1 5.1W,4.7s
NEIC VI 12 15 06 26.5–.92 60.96N–.08 167.2E–.10 15–4 5.1b,4.9
NEIC VI 12 15 06 26.6 60.26N 167.21E 16 5.1b,4.9
NEIC VI 12 15 06 26.6 60.96N 167.21E 16 5.1b,4.9
IDC VI 12 15 06 29.4–2.6 60.91N 167.21E 33–20 4.8L,4.7
ISC Event type se.
KRSC Event type se.
MOS Error ellipse: s-maj=7.8km s-min=3.9km az=81.8.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s19,c26; s67,c88;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}5.66±.62 $M_{\theta\theta}$-2.22±.46; $M_{\phi\phi}$-3.44±.32; $M_{r\theta}$-0.35±.68; $M_{\theta\phi}$-2.63±.22; $M_{\phi r}$-3.45±.46; Best double couple: NP1:ϕ_s203.00000°,δ61.00000°,λ75.00000°. NP2:ϕ_s52.00000°,δ33.00000°,λ115.00000°. Principal axes: T 6.8500,Plg70.0000° ,Azm80.0000°; N -0.5720,Plg13.0000°,Azm211.0000°; P -6.2790,Plg14.0000° ,Azm304.0000° $M_0$6.56500×10^{16}
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=9.6km az=178.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution.Duration: 2s0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.86 $M_{\theta\theta}$0.34 $M_{\phi\phi}$-2.20 $M_{r\theta}$1.18 $M_{\theta\phi}$-1.19 $M_{\phi r}$-1.22 NP1:ϕ_s170.90000°,δ62.91000° ,λ51.69000°. NP2:ϕ_s50.94000°,δ45.69000°,λ140.48000°. Principal axes: T 3.0290,Plg55.0000°,Azm32.0000°; N -0.2333,Plg33.0000°,Azm191.0000° ; P -2.7957,Plg10.0000°,Azm287.0000° $M_0$2.91000×10^{16}
NEIC Event type se.
IDC Error ellipse: s-maj=12.3km s-min=8.5km az=163.0.
ISC VI 12 18 20 44.0–.37 58.49N–.04 142.90E–.04 10 4.4b,3.4s 165 3-145
IDC VI 12 18 20 42.6–.52 58.43N 142.84E 0 4.1,4.1b **¶610671340**
MOS VI 12 18 20 42.5–1.0 58.49N 142.87E 14 4.6b,4.1b
NERS VI 12 18 20 44.3–.00 58.35N 143.04E 14 4.6b,4.1b
NEIC VI 12 18 20 44.8–.97 58.51N–.09 142.7E–.10 10–1 4.4b,4.1b
ISC Event type se.
NERS Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 13 11 55 00.8–.48 60.92N–.04 167.26E–.05 17 4.3b,3.9s 131 1-91
IDC VI 13 11 54 57.9–1.1 60.76N 167.31E 0 5.1L,3.8 **¶610673071**
KRSC VI 13 11 54 57.2–1.1 60.81N 167.57E 24–10 4.2L,3.8
MOS VI 13 11 54 58.1–1.1 60.90N 167.29E 12 4.5b,3.8
NEIC VI 13 11 55 02.6–2.3 61.40N–.03 167.4E–.20 10–1 4.4b,3.8
ISC Event type se.
KRSC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 23 00 01 10.7–2.4 65.04N–.10 171.6W–.10 10 23 1-7
¶616088054
ISC Event type ke.

(673) Bering Strait.

ISC III 17 15 02 05.0–.90 67.88N–.06 166.21W–.06 10 3.4s,3.4b 88 1-75
AEIC III 17 15 02 03.1–1.8 67.90N–.07 166.6W–.20 11–5 4.0L,3.7L **¶610339932**
IDC III 17 15 02 04.2–1.4 68.38N 166.30W 0 3.4,3.4b
NEIC III 17 15 02 05.3–1.7 67.87N–.05 166.4W–.10 24–8 3.4,3.4b
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 22 09 04 52.9–.37 65.16N–.05 168.90W–.03 10 4.4b,3.4s 272 1-74

NERS III 22 09 04 47.2–.00 65.37N 168.27W 0 4.4b,3.4s **¶610416515**
NEIC III 22 09 04 52.5–1.7 65.23N–.06 169.2W–.10 10–1 4.3L,4.2b
IDC III 22 09 04 52.2–.74 65.40N 169.08W 0 4.0,4.0b
MOS III 22 09 04 52.2–.95 65.18N 169.05W 15 4.6b,3.7s
AEIC III 22 09 04 53.5–1.7 65.20N–.07 169.03W–.09 21–5 4.6b,3.7s
ISC Event type se.
NERS Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VI 15 12 18 08.0–1.9 66.7N–.10 167.59W–.07 10 48 1-8
AEIC VI 15 12 18 08.2–1.3 66.70N–.09 167.7W–.20 16–8 3.6L **¶611151034**
NEIC VI 15 12 18 12.0–2.5 66.50N–.05 167.3W–.10 12–6 3.6L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(675) Beaufort Sea.

ISC I 22 10 30 46.6–.80 71.76N–.06 135.29W–.04 35 4.0b 347 3-40
IDC I 22 10 30 41.3–3.7 72.19N 135.54W 0 4.3L,4.0 **¶610114438**
NEIC I 22 10 30 46.9–1.4 71.86N–.07 135.3W–.20 35–9 4.3L,4.0
PGC I 22 10 30 47.4–1.7 71.93N 135.29W 35 4.0L,4.0L
OTT I 22 10 30 47.4–1.7 71.93N–.06 135.3W–.20 35–9 4.2b,4.0L
ISC Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
PGC Event type ke. 346km west of Sachs Harbour, Nt Beaufort Sea.
OTT Event type se. hypocenter. manual.
ISC II 20 15 49 48.8–1.8 70.9N–.10 136.93W–.05 10 95 3-13
ANF II 20 15 49 50.5–1.2 70.74N 137.23W 0 2.9L **¶612416200**
PGC II 20 15 49 50.8–.58 71.15N 136.64W 35 2.8L
ISC Event type ke.
ANF Error ellipse: s-maj=12.3km s-min=5.2km az=19.0.
PGC Event type ke. 338km northwest of Inuvik, Nt Beaufort Sea.
ISC III 17 22 50 53.4–.79 71.60N–.05 128.39W–.04 10 84 1-46
IDC III 17 22 50 52.9–1.6 71.73N 128.29W 0 4.3b,3.4 **¶610394154**
ANF III 17 22 50 54.8–.79 71.53N 128.55W 0 3.2L,3.4
PGC III 17 22 50 57.4–.05 71.57N 128.02W 15 2.9L,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=24.3km s-min=13.1km az=123.0.
ANF Error ellipse: s-maj=12.4km s-min=6.4km az=165.0.
PGC Event type ke. 107km west of Sachs Harbour, Nt Beaufort Sea.
ANF III 31 17 32 18.1–1.2 70.56N 133.81W 0 3.2L
¶616087355
ANF Error ellipse: s-maj=12.4km s-min=5.2km az=22.0.

(676) Northern Alaska.

ISC I 24 02 02 24.9–.49 69.16N–.03 145.08W–.04 10 3.8b 153 1-68
AEIC I 24 02 02 24.4–1.0 69.14N–.06 145.1W–.20 2–5 3.9b,3.8L **¶610105949**
IDC I 24 02 02 24.6–.78 69.33N 145.19W 0 3.6,3.6b
NEIC I 24 02 02 25.7–1.1 69.22N–.06 145.0W–.20 20–6 3.6,3.6b
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC II 05 17 54 40.3–1.1 66.32N–.07 162.3W–.10 7–7 3.5L,3.4L
NEIC II 05 17 54 40.5–1.1 66.29N–.08 162.4W–.10 2–7 3.5L,3.4L **¶611148948**
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 11 19 43 10.7–.79 68.83N–.07 143.37W–.06 10 3.7b 114 1-60
AEIC II 11 19 43 10.2–1.6 68.80N–.03 143.3W–.20 11–7 3.6b,3.6L **¶610208486**
IDC II 11 19 43 11.4–1.4 68.95N 143.93W 0 3.6b,3.6L
NEIC II 11 19 43 12.9–1.2 68.87N–.07 143.4W–.10 30–8 3.6b,3.6L
ISC Event type se.
AEIC Event type se. hypocenter. manual.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 20 17 56 09.6–.99 65.26N–.03 149.94W–.02 14–9 128 0-8
NEIC II 20 17 56 09.8–1.6 65.25N–.03 149.93W–.08 15–10 **¶610236332**
AEIC II 20 17 56 10.1–1.5 65.26N–.04 149.94W–.09 13–7 3.8L,3.6L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
IDC V 02 01 47 04.3–229 65.12N 145.78W 0
¶610689356
IDC Error ellipse: s-maj=92.7km s-min=21.4km az=76.0.
ISC V 08 05 09 01.9–.94 65.27N–.02 146.92W–.02 12–8 246 0-45
NEIC V 08 05 09 02.1–1.4 65.27N–.02 146.92W–.07 10–5 **¶610617960**
AEIC V 08 05 09 02.3–1.5 65.26N–.02 146.92W–.04 11–5 4.1b,4.0L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. hypocenter. manual.
ISC VI 01 05 44 07.1–1.2 65.52N–.07 166.71W–.06 10 29 1-7
¶616087868
ISC Event type ke.
ISC VI 01 20 03 38.1–.75 65.50N–.05 166.68W–.04 10 3.5b 145 1-56
AEIC VI 01 20 03 36.9–1.3 65.50N–.06 166.72W–.10 10–7 3.8L,3.7L **¶610659574**
NEIC VI 01 20 03 36 65.50N 166.72W 13 3.8L,3.7L
NEIC VI 01 20 03 37.8–1.8 65.47N–.07 166.8W–.10 17–7 3.8L,3.7L
IDC VI 01 20 03 40.3–1.2 65.79N 166.69W 0 3.7,3.6b
ISC Event type se.
AEIC Event type se. Error ellipse: s-maj=9.2km s-min=5.1km az=155.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}-1.20 $M_{\theta\theta}$3.03 $M_{\phi\phi}$-1.83 $M_{r\theta}$0.69 $M_{\theta\phi}$-1.04 $M_{\phi r}$1.48 NP1:ϕ_s140.00000°,δ60.00000°,λ-25.00000°. NP2: ϕ_s243.00000°,δ69.00000°,λ-148.00000°. Principal axes: T 3.2794,Plg5.0000°,Azm10.0000° ; N -0.0057,Plg52.0000°,Azm273.0000°; P -3.2737,Plg38.0000°,Azm104.0000° $M_0$3.27000$\times 10^{14}$
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=6.7km az=172.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=36.2km s-min=13.8km az=16.0.
ISC VI 01 21 01 05.0–.72 65.44N–.06 166.91W–.04 10 3.5b 88 0-49
AEIC VI 01 21 01 04.2–1.3 65.43N–.03 166.79W–.10 15–7 3.8L,3.6 **¶610659576**
NEIC VI 01 21 01 04 65.43N 166.79W 13 3.8L,3.6
NEIC VI 01 21 01 05.2–1.7 65.48N–.04 166.82W–.10 16–7 3.8L,3.6
IDC VI 01 21 01 06.4–2.3 65.46N 166.91W 0 3.4,3.3b
ISC Event type se.
AEIC Event type se. Error ellipse: s-maj=6.6km s-min=3.4km az=125.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution. Moment tensor: Scale 10^{14}Nm; M_{rr}-1.06 $M_{\theta\theta}$3.22 $M_{\phi\phi}$-2.16 $M_{r\theta}$0.26 $M_{\theta\phi}$-0.53 $M_{\phi r}$1.52 NP1:ϕ_s135.00000°,δ65.00000°,λ-25.00000°. NP2: ϕ_s236.00000°,δ67.00000°,λ-153.00000°. Principal axes: T 3.2748,Plg2.0000°,Azm5.0000° ; N 0.0038,Plg55.0000°,Azm273.0000°; P -3.2786,Plg35.0000°,Azm96.0000° $M_0$3.27000$\times 10^{14}$
NEIC Event type se. Error ellipse: s-maj=7.0km s-min=3.3km az=126.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=82.2km s-min=15.8km az=5.0.
ISC VI 29 20 05 26.1–.51 65.30N–.04 167.91W–.05 10 4.0b,3.1s 190 0-75
NEIC VI 29 20 05 26.7–1.7 65.29N–.05 168.0W–.20 20–5 4.0b,3.1s **¶610712012**
AEIC VI 29 20 05 26.2–1.6 65.285N–.01 168.0W–.10 26–5 4.4b,4.2L
IDC VI 29 20 05 26.6–.99 65.49N 168.43W 0 3.8,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=6.9km az=113.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
AEIC Event type se. Error ellipse: s-maj=8.9km s-min=1.2km az=92.0. hypocenter. manual.
IDC Error ellipse: s-maj=31.0km s-min=11.6km az=17.0.

(677) Northern Yukon Territory.

ISC III 24 10 02 36.8–.65 66.73N–.03 135.67W–.03 20–4 166 0-30
IDC III 24 10 02 33.9–3.3 66.96N 135.66W 0 3.3b,3.3L **¶610434843**
PGC III 24 10 02 36.8–.28 66.78N 135.81W 9–0 3.7L,3.3L
ANF III 24 10 02 37.3–.27 66.73N 135.82W 12–1 3.8L,3.8L
ISC Event type ke.
IDC Error ellipse: s-maj=72.7km s-min=14.9km az=0.0.
PGC Event type ke. 94km Wsw of Fort McPherson, Nt Northern Yukon Territory, Canada.
ANF Error ellipse: s-maj=1.6km s-min=1.2km az=100.0.
ISC V 10 15 14 25.7–.58 65.03N–.02 134.14W–.03 9–3 4.6b,3.6s 854 2-169
BJI V 10 15 14 23.0–.00 65.00N 134.20W 13 4.8b,4.5b **¶610623013**
AEIC V 10 15 14 23.5–2.0 65.02N–.03 134.35W–.09 7–3 4.8b,4.5b
MOS V 10 15 14 24.8–.93 65.08N 134.30W 12 4.8b,4.5b
IDC V 10 15 14 25.1–.36 65.14N 134.20W 0 4.5L,4.3
PGC V 10 15 14 26.0–.14 65.02N 134.29W 1 5.2L,4.5W
NEIC V 10 15 14 26.2–1.6 65.03N–.03 134.22W–.09 12–3 5.0L,4.9L
NEIC V 10 15 14 26 65.00N 134.13W 22 5.0L,4.9L
NEIC V 10 15 14 26.6 65.01N 134.28W 12 5.0L,4.9L
NEIC V 10 15 14 26.3 65.03N 134.33W 11 5.0L,4.9L
ANF V 10 15 14 25.9–.19 65.04N 134.26W 15 5.3L,4.9L
NEIC V 10 15 14 28 65.00N 134.13W 18 5.3L,4.9L
ISC Event type ke.
AEIC Event type se. Error ellipse: s-maj=5.5km s-min=4.4km az=100.0. hypocenter. manual.
MOS Error ellipse: s-maj=15.2km s-min=6.1km az=92.7.
IDC Error ellipse: s-maj=9.4km s-min=7.3km az=51.0.
PGC Event type ke. 267km east of Dawson, Yt Northern Yukon Territory, Canada.
NEIC Event type se. Error ellipse: s-maj=5.7km s-min=3.7km az=107.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}2.31 $M_{\theta\theta}$-3.61 $M_{\phi\phi}$1.30 $M_{r\theta}$-0.56 $M_{\theta\phi}$2.05 $M_{\phi r}$-1.81 NP1:ϕ_s255.59000°,δ58.19000°,λ36.63000°. NP2:ϕ_s144.19000°,δ59.54000° ,λ142.30000°. Principal axes: T 4.0736,Plg47.0000°,Azm109.0000°; N 0.2835,Plg43.0000° ,Azm291.0000°; P -4.3571,Plg1.0000°,Azm200.0000° $M_0$4.22000$\times 10^{15}$
NEIC Event type se.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}0.45 $M_{\theta\theta}$-0.47 $M_{\phi\phi}$0.15 $M_{r\theta}$-0.21 $M_{\theta\phi}$0.28 $M_{\phi r}$-0.11 NP1:ϕ_s266.00000°,δ60.00000°,λ57.00000°. NP2: ϕ_s138.00000°,δ44.00000°,λ133.00000°. Principal axes: T 0.5322,Plg60.0000°,Azm125.0000° ; N 0.1175,Plg28.0000°,Azm284.0000°; P -0.6497,Plg9.0000°,Azm19.0000° $M_0$6.00000$\times 10^{15}$
ANF Error ellipse: s-maj=2.6km s-min=1.5km az=51.0.
NEIC Event type se. Moment Tensor Solution.Duration: 4^{s}0 Moment tensor: Scale 10^{15}Nm; M_{rr}3.74 $M_{\theta\theta}$-4.87 $M_{\phi\phi}$1.13 $M_{r\theta}$-2.65 $M_{\theta\phi}$2.53 $M_{\phi r}$-1.07 NP1:ϕ_s139.00000°,δ41.00000° ,λ137.00000°. NP2:ϕ_s264.00000°,δ63.00000°,λ57.00000°. Principal axes: T 5.2855,Plg58.0000°,Azm128.0000°; N 0.9786,Plg29.0000°,Azm280.0000° ; P -6.2641,Plg13.0000°,Azm17.0000° $M_0$5.84000$\times 10^{15}$

(678) Queen Elizabeth Islands.

OTT I 04 18 17 03.3–.45 76.63N 118.37W 18 3.8L
¶612415087
OTT Event type ke. Error ellipse: s-maj=3.3km s-min=2.3km az=-1.0. 51km northeast from Mould Bay, Nt Sverdrup Seismic Zone.
ISC I 08 23 47 13.7–.18 74.28N–.02 92.42W–.02 32–1 6.0b,5.9s 2815 1-164
BJI I 08 23 47 07.0–.00 74.31N 92.25W 10 6.1s,6.0 **¶611831502**
IDC I 08 23 47 09.0–.33 74.32N 92.21W 0 5.8s,5.8L
OTT I 08 23 47 11.9–.12 74.27N 92.13W 18 6.0,5.9W
MOS I 08 23 47 11.9–.95 74.36N 92.29W 28 6.0b,5.9s
NEIC I 08 23 47 14.4–1.6 74.39N–.07 92.4W–.20 31–1 6.1b,6.0
GCMT I 08 23 47 15.4–.10 74.44N 92.06W 33–0 6.1W,6.0
NEIC I 08 23 47 15 74.32N 92.31W 36 6.1W,6.0
BGR I 08 23 47 18.2 74.79N 89.75W 16–0 5.8s,5.7
ISC Event type ke.
IDC Error ellipse: s-maj=9.3km s-min=7.5km az=160.0.
OTT Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. 93km southeast from Resolute, Nu. Felt Felt at Resolute, Arctic Bay, Grise Fjord, Taloyoak, Nu.
MOS Error ellipse: s-maj=13.8km s-min=3.6km az=81.4.
NEIC Event type se. Error ellipse: s-maj=12.0km s-min=8.2km az=190.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}6.42 $M_{\theta\theta}$-5.33 $M_{\phi\phi}$-1.09 $M_{r\theta}$-0.18 $M_{\theta\phi}$5.14 $M_{\phi r}$1.05 NP1:ϕ_s113.32000°,δ43.19000°,λ74.87000°. NP2:ϕ_s313.67000°,δ48.65000° ,λ103.77000°. Principal axes: T 6.5922,Plg79.0000°,Azm289.0000°; N 2.2108,Plg10.0000° ,Azm124.0000°; P -8.8030,Plg3.0000°,Azm34.0000° $M_0$7.93000$\times 10^{17}$
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s165,c391; s164,c597; Duration: 2^{s}7 Moment tensor: Scale 10^{18}Nm; M_{rr}1.57$\pm$.01 $M_{\theta\theta}$-0.83$\pm$.01; $M_{\phi\phi}$-0.74$\pm$.01; $M_{r\theta}$-0.17$\pm$.01; $M_{\theta\phi}$0.95$\pm$.01; $M_{\phi r}$0.16$\pm$.01; Best double couple: NP1:ϕ_s314.00000°,δ49.00000° ,λ90.00000°. NP2:ϕ_s134.00000°,δ41.00000°,λ90.00000°. Principal axes: T 1.5860,Plg86.0000°,Azm225.0000°; N 0.1650,Plg0.0000°,Azm134.0000° ; P -1.7530,Plg4.0000°,Azm44.0000° $M_0$1.67000$\times 10^{18}$
NEIC Event type se. Moment Tensor Solution.Duration: 6^{s}0 Moment tensor: Scale 10^{18}Nm; M_{rr}1.33 $M_{\theta\theta}$-0.71 $M_{\phi\phi}$-0.61 $M_{r\theta}$-0.05 $M_{\theta\phi}$0.71 $M_{\phi r}$0.13 NP1:ϕ_s130.00000°,δ42.00000° ,λ86.00000°. NP2:ϕ_s316.00000°,δ48.00000°,λ93.00000°. Principal axes: T 1.3352,Plg86.0000°,Azm269.0000°; N 0.0506,Plg3.0000°,Azm133.0000° ; P -1.3858,Plg3.0000°,Azm43.0000° $M_0$1.36000$\times 10^{18}$
BGR Event type ke.
ISC I 09 00 28 41.2–.69 74.19N–.06 92.37W–.05 10 3.6b 29 1-38
OTT I 09 00 28 45.5–.14 74.25N 92.23W 18 3.7 **¶610050751**
DNK I 09 00 28 46.1–1.1 74.32N 92.32W 18 2.7L
IDC I 09 00 28 52.3–3.5 74.23N 94.65W 0 4.1L,3.5
ISC Event type ke.
OTT Event type ke. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. 92km southeast from Resolute, Nu. Aftershock.
DNK Error ellipse: s-maj=6.9km s-min=16.1km az=-1.0.
IDC Error ellipse: s-maj=50.5km s-min=44.0km az=30.0.
ISC I 09 02 38 59.4–.79 74.32N–.07 92.00W–.05 10 18 1-16
OTT I 09 02 39 02.8–.23 74.28N 92.27W 18 3.6 **¶612415218**
DNK I 09 02 39 35.1–1.6 75.95N 85.00W 18 2.4L
ISC Event type ke.
OTT Event type ke. Error ellipse: s-maj=2.2km s-min=1.5km az=-1.0. 90km southeast from Resolute, Nu. Aftershock.
DNK Error ellipse: s-maj=102.2km s-min=621.9km az=-1.0.
ISC I 09 17 55 34.4–.23 74.34N–.03 92.57W–.03 10 5.2b,4.2s 1327 1-164
BGR I 09 17 55 30.8 72.17N 92.77W 31 5.3b,4.2s **¶611831514**
BJI I 09 17 55 33.0–.00 74.50N 92.50W 10 5.2b,5.1b
IDC I 09 17 55 34.2–.41 74.45N 92.13W 0 5.3L,4.8
OTT I 09 17 55 35.9–.13 74.37N 92.15W 18 5.4,4.8
NEIC I 09 17 55 36.2–1.8 74.43N–.07 92.3W–.20 15–3 5.4,4.8
MOS I 09 17 55 36.1–.95 74.46N 92.33W 27 5.3b,4.8
GCMT I 09 17 55 38.4–.20 74.53N–.01 92.11W–.05 30–0 5.0W,4.8
ISC Event type ke.
BGR Event type ke.
OTT Event type ke. 88km southeast from Resolute, Nu. Aftershock.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s62,c81; s107,c169;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}2.42$\pm$.17 $M_{\theta\theta}$-0.20$\pm$.12; $M_{\phi\phi}$-2.22$\pm$.13; $M_{r\theta}$0.02$\pm$.19; $M_{\theta\phi}$4.19$\pm$.09; $M_{\phi r}$-0.26$\pm$.20; Best double couple: NP1:ϕ_s186.00000°,δ83.00000°,λ171.00000°. NP2:ϕ_s277.00000°,δ81.00000°,λ7.00000°. Principal axes: T 3.1290,Plg11.0000° ,Azm141.0000°; N 2.3970,Plg78.0000°,Azm329.0000°; P -5.5260,Plg2.0000°,Azm232.0000° $M_0$4.32700$\times 10^{16}$
ISC I 09 19 43 44.5–.43 74.23N–.05 92.36W–.04 10 4.2b 234 1-124
IDC I 09 19 43 44.0–.74 74.33N 92.21W 0 4.3L,3.9 **¶610237040**
NEIC I 09 19 43 45.7–2.4 74.4N–.10 92.2W–.30 17–6 4.3L,3.9
OTT I 09 19 43 46.1–.22 74.32N 92.24W 18 4.4,3.9
ISC Event type ke.
IDC Error ellipse: s-maj=15.0km s-min=8.9km az=23.0.

NEIC Event type se. Error ellipse: s-maj=17.0km s-min=11.3km az=157.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
OTT Event type ke. Error ellipse: s-maj=2.2km s-min=1.2km az=-1.0. 88km southeast from Resolute, Nu. Aftershock.
ISC I 20 01 26 17.2–.32 78.03N–.04 104.91W–.04 10 4.5s,4.4b 279 4-83
OTT I 20 01 26 15.5–.20 78.18N 106.60W 18 5.1L,4.4b ¶610102445
IDC I 20 01 26 16.7–.54 78.15N 104.99W 0 4.3s,4.2L
NEIC I 20 01 26 17.6–1.9 78.08N–.07 105.2W–.30 10–1 4.4b,4.2L
ISC Event type ke.
OTT Event type ke. 97km southwest from Isachsen, Nu Gustaf-Lougheed Arch Seismic Zone.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 25 12 13 22.6–.61 74.21N–.05 92.22W–.04 10 24 1-19
OTT I 25 12 13 27.4–.33 74.25N 92.32W 18 3.6 ¶612415615
ISC Event type ke.
OTT Event type ke. Error ellipse: s-maj=2.2km s-min=2.1km az=-1.0. 90km southeast from Resolute, Nu. Aftershock.
ISC II 05 12 33 48.7–.87 76.18N–.06 98.93W–.05 10 23 2-18
OTT II 05 12 33 53.6–.17 76.30N 98.62W 18 3.5 ¶612415883
ISC Event type ke.
OTT Event type ke. Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0. 112km northwest from Polaris, Nu Boothia Ungava Seismic Zone.
ISC II 10 15 01 48.5–.23 74.24N–.03 92.77W–.03 10 5.2b,5.1s 988 1-164
DNK II 10 15 01 47.4–4.7 74.90N 93.70W 18 4.7s,3.8L ¶611831777
NEIC II 10 15 01 49.6–2.4 74.30N–.05 92.3W–.20 16–4 5.3,5.2b
OTT II 10 15 01 49.3–.15 74.29N 92.17W 18 5.4,5.2b
MOS II 10 15 01 49.0–1.1 74.37N 92.38W 18 5.2b,4.9s
IDC II 10 15 01 49.4–2.1 74.40N 92.16W 12–13 5.7L,4.7
BJI II 10 15 01 50.0–.00 74.40N 92.60W 29 5.8b,5.7s
BGR II 10 15 01 51.4 74.35N 92.19W 10 4.3b,5.7s
ISC Event type ke.
DNK Error ellipse: s-maj=35.8km s-min=117.3km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=5.9km az=205.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
OTT Event type fe. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. 92km southeast from Resolute, Nu. Felt Felt near Resolute, Nu.
MOS Error ellipse: s-maj=18.4km s-min=4.4km az=85.8.
IDC Error ellipse: s-maj=9.3km s-min=8.1km az=126.0.
ISC Event type ke. Hypocentre not reviewed by the ISC.
ISC II 21 11 25 25.5–1.0 78.03N–.08 105.86W–.07 10 17 4-17
OTT II 21 11 25 29.4–.25 78.12N 105.71W 18 4.0L ¶612416221
ISC Event type ke.
OTT Event type ke. Error ellipse: s-maj=2.2km s-min=2.3km az=-1.0. 89km southwest from Isachsen, Nu Gustaf-Lougheed Arch Seismic Zone.
OTT III 03 00 45 08.2–.26 77.07N 103.12W 18 3.9L ¶612416522
OTT Event type ke. Error ellipse: s-maj=2.2km s-min=1.5km az=-1.0. 191km south from Isachsen, Nu Sverdrup Seismic Zone.
ISC III 13 22 48 10.0–.97 78.08N–.08 105.32W–.06 10 45 4-19
NEIC III 13 22 48 10.4–1.3 78.2N–.10 106.0W–.40 10–2 4.1L,3.6b ¶610329036
OTT III 13 22 48 15.9–.56 78.14N 105.44W 18 4.1L,3.6b
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=22.0km s-min=13.8km az=357.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
OTT Event type ke. Error ellipse: s-maj=4.4km s-min=1.6km az=-1.0. 84km southwest from Isachsen, Nu Gustaf-Lougheed Arch Seismic Zone.
ISC IV 05 05 18 29.1–.82 75.16N–.06 95.40W–.06 10 20 0-16
OTT IV 05 05 18 32.5–.17 75.16N 95.13W 18 3.5 ¶612417284
ISC Event type ke.
OTT Event type ke. Error ellipse: s-maj=1.1km s-min=1.1km az=-1.0. 52km northeast from Resolute, Nu Boothia Ungava Seismic Zone.
ISC IV 14 09 25 45.4–1.3 77.44N–.09 115.56W–.09 10 16 6-13
OTT IV 14 09 25 49.3–.25 77.50N 115.52W 18 3.8L ¶612417498
ISC Event type ke.
OTT Event type ke. Error ellipse: s-maj=1.1km s-min=1.9km az=-1.0. 171km northeast from Mould Bay, Nt.

(679) Northwest Territories.

ISC I 08 17 08 55.3–.75 63.99N–.06 86.85W–.06 10 23 6-41
IDC I 08 17 08 57.9–1.1 64.15N 86.94W 0 3.5,3.0s ¶610236972
OTT I 08 17 08 58.5–.10 64.00N 86.94W 18 3.6,3.0s
ISC Event type ke.
IDC Error ellipse: s-maj=23.5km s-min=12.8km az=177.0.
OTT Event type ke. Error ellipse: s-maj=1.1km s-min=1.0km az=-1.0. 185km west from Coral Harbour, Nu Boothia Ungava Seismic Zone.
ISC I 30 13 15 10.0–.75 65.85N–.06 86.20W–.05 10 25 4-27
IDC I 30 13 15 12.9–1.0 65.86N 86.01W 0 3.6,3.1b ¶610235733
OTT I 30 13 15 14.3–.18 65.84N 86.03W 18 3.7,3.1b
ISC Event type ke.
IDC Error ellipse: s-maj=22.2km s-min=9.3km az=7.0.
OTT Event type ke. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. 78km south from Repulse Bay, Nu Boothia Ungava Seismic Zone.
OTT I 31 14 28 13.5–.11 65.89N 86.12W 18 3.5 ¶612415767
OTT Event type ke. Error ellipse: s-maj=1.1km s-min=0.9km az=-1.0. 72km south from Repulse Bay, Nu Boothia Ungava Seismic Zone.
ISC II 25 13 58 52.6–.89 69.30N–.05 126.47W–.04 10 147 1-17
ANF II 25 13 58 56.1–1.58 69.31N 126.41W 30 3.6L ¶612416348
PGC II 25 13 58 56.4–.57 69.42N 126.05W 35 3.4L
ISC Event type ke.
ANF Error ellipse: s-maj=7.2km s-min=5.6km az=138.0.
PGC Event type ke. 287km Ssw of Sachs Harbour, Nt Nw Territories - Nunavut, Canada.
ISC III 11 23 09 01.4–.82 62.10N–.03 123.90W–.04 5 92 1-11
PGC III 11 23 09 02.4 62.08N 124.17W 1 3.4L ¶612416698
ANF III 11 23 09 03.5–1.8 62.13N 124.06W 19–14 4.0L
ISC Event type ke.
PGC Event type ke. 156km west of Fort Simpson, Nt Nw Territories - Nunavut, Canada.
ANF Error ellipse: s-maj=3.7km s-min=2.3km az=103.0.
ANF V 05 01 24 38.7–.32 62.10N 124.07W 58–18 3.5L ¶616087800
ANF Error ellipse: s-maj=3.9km s-min=1.9km az=94.0.

(680) Western Kalaallit Nunaat.

ISC V 26 23 07 36.2–.73 72.22N–.04 56.73W–.05 10 32 1-11
DNK V 26 23 07 40.3–3.5 72.28N 56.17W 15–10 2.5L ¶612418216
OTT V 26 23 07 40.5–.31 72.19N 56.60W 18 3.1
ISC Event type ke.
DNK Error ellipse: s-maj=8.6km s-min=38.3km az=-1.0.
OTT Event type ke. Error ellipse: s-maj=2.2km s-min=3.1km az=-1.0. Western Greenland. 470km northeast from Clyde River, Nu Eastern Arctic Background Seismic Zone.
NEIC VI 17 23 39 12–.84 71.64N–.08 52.3W–.50 0–2 4.2
DNK VI 17 23 39 22.4–5.8 71.63N 52.37W 0 3.6L ¶610681844
IDC VI 17 23 40 05.0–.83 70.94N 52.61W 0 4.0s,3.6
NEIC Error ellipse: s-maj=32.1km s-min=3.1km az=64.0. hypocenter. manual.
DNK Event type kl. Error ellipse: s-maj=18.5km s-min=67.2km az=-1.0. Landslide.
IDC Error ellipse: s-maj=17.8km s-min=17.1km az=156.0.

(681) Baffin Bay.

ISC I 04 07 08 39.1–.91 75.84N–.06 73.50W–.05 10 19 1-7
OTT I 04 07 08 42.1–.45 75.82N 73.73W 18 3.0L ¶612213234
DNK I 04 07 08 44.8–1.6 75.97N 73.17W 36–29 1.7L
ISC Event type ke.
OTT Event type ke. Error ellipse: s-maj=3.3km s-min=2.7km az=-1.0. 201km east from Craig Harbour, Nu Eastern Arctic Background Seismic Zone.
DNK Error ellipse: s-maj=9.7km s-min=121.8km az=-1.0.
ISC I 20 19 55 46.7–.79 74.91N–.05 69.32W–.05 10 26 2-13
OTT I 20 19 55 50.1–.21 74.92N 69.34W 18 3.9L ¶612213461
DNK I 20 19 55 52.5–2.3 75.01N 69.04W 18–35 2.9L
ISC Event type ke.
OTT Event type ke. Error ellipse: s-maj=2.2km s-min=1.4km az=-1.0. Baffin Bay Seismic Zone. 355km east from Craig Harbour, Nu.
DNK Error ellipse: s-maj=12.1km s-min=83.5km az=-1.0.
ISC III 31 12 00 29.1–.84 74.71N–.05 72.17W–.05 10 22 2-15
OTT III 31 12 00 32.8–.30 74.70N 71.87W 18 3.3L ¶612417161
DNK III 31 12 00 35.9–1.2 74.75N 71.72W 36–999 2.2L
ISC Event type ke.
OTT Event type ke. Error ellipse: s-maj=2.2km s-min=2.3km az=-1.0. 294km northeast from Pond Inlet, Nu Baffin Bay Seismic Zone.
DNK Error ellipse: s-maj=8.2km s-min=34.9km az=-1.0.
ISC III 31 13 21 26.0–.71 74.76N–.05 71.86W–.04 10 24 2-18
OTT III 31 13 21 31.1–.25 74.72N 71.85W 18 3.4L ¶612417162
DNK III 31 13 21 34.3–3.0 74.74N 71.82W 36–51 2.3L
ISC Event type ke.
OTT Event type ke. Error ellipse: s-maj=1.1km s-min=1.8km az=-1.0. 296km northeast from Pond Inlet, Nu Baffin Bay Seismic Zone.
DNK Error ellipse: s-maj=23.6km s-min=154.8km az=-1.0.
ISC III 31 14 12 57.3–.72 74.71N–.05 71.90W–.05 10 3.5b 31 2-58
IDC III 31 14 12 58.2–1.5 74.73N 72.37W 0 3.6,3.6L ¶610478063
OTT III 31 14 12 59.9–.30 74.70N 71.84W 18 3.4L,3.6L
DNK III 31 14 13 03.7–1.2 74.79N 71.56W 35–30 2.6L,3.6L
ISC Event type ke.
IDC Error ellipse: s-maj=34.6km s-min=21.4km az=148.0.
OTT Event type ke. Error ellipse: s-maj=2.2km s-min=2.3km az=-1.0. 295km northeast from Pond Inlet, Nu Baffin Bay Seismic Zone.
DNK Error ellipse: s-maj=14.6km s-min=90.8km az=-1.0.
ISC IV 11 16 07 28.0–.72 74.77N–.04 59.46W–.04 10 28 1-11
DNK IV 11 16 07 32.9–1.6 74.73N 59.62W 13–6 2.2L ¶612417445
OTT IV 11 16 07 32.9–.16 74.78N 59.56W 18 3.3L
ISC Event type ke.
DNK Error ellipse: s-maj=3.9km s-min=19.9km az=-1.0.
OTT Event type ke. Error ellipse: s-maj=2.2km s-min=1.2km az=-1.0. Western Greenland. 568km northeast from Clyde River, Nu Eastern Arctic Background Seismic Zone.
DNK IV 29 09 09 52.9–.91 73.17N 59.52W 17–5 2.7L ¶615874232
DNK Error ellipse: s-maj=4.3km s-min=28.5km az=-1.0.
ISC V 22 01 35 52.2–.51 75.02N–.04 72.77W–.03 15–3 4.6b,3.4s 491 2-158
IDC V 22 01 35 51.6–.43 75.15N 72.96W 0 4.7L,4.2 ¶610646107
NEIC V 22 01 35 51.4–1.9 75.07N–.06 72.8W–.20 10–1 4.9L,4.6b
OTT V 22 01 35 52.2–.18 75.00N 72.75W 18 4.9L,4.6b
DNK V 22 01 35 53.7–4.7 75.12N 73.10W 35 3.3L,4.6b
ISC Event type ke.
IDC Error ellipse: s-maj=14.2km s-min=10.2km az=142.0.
NEIC Event type se. Error ellipse: s-maj=11.0km s-min=9.4km az=309.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
OTT Event type ke. Error ellipse: s-maj=1.1km s-min=1.4km az=-1.0. Baffin Bay. 266km southeast from Craig Harbour, Nu Baffin Bay Seismic Zone.
DNK Error ellipse: s-maj=16.0km s-min=44.3km az=-1.0.
ISC VI 09 09 32 46.0–.84 73.21N–.06 72.85W–.05 10 23 4-16
OTT VI 09 09 32 49.8–.19 73.22N 72.70W 18 3.5L ¶612418486
DNK VI 09 09 32 54.5–2.2 73.32N 72.56W 36–44 2.1L
ISC Event type ke.
OTT Event type ke. Error ellipse: s-maj=1.1km s-min=1.6km az=-1.0. 183km east from Pond Inlet, Nu Baffin Bay Seismic Zone.
DNK Error ellipse: s-maj=25.6km s-min=121.0km az=-1.0.

(682) Baffin Island region.

OTT I 24 09 47 42.5–.40 72.12N 76.09W 18 2.9 ¶612415584
OTT Event type ke. Error ellipse: s-maj=3.3km s-min=2.4km az=-1.0. 91km southeast from Pond Inlet, Nu Eastern Arctic Background Seismic Zone.
IDC V 24 04 01 56.5–545 66.17N 62.91W 0 ¶610685266
IDC Error ellipse: s-maj=254.9km s-min=148.1km az=125.0.

SEISMIC REGION 43.
Southeastern and Antarctic Pacific Ocean.

(683) Southeastcentral Pacific Ocean.

IDC I 16 17 40 14.7–22 20.55S 85.05W 0 4.0L,3.7 ¶610237529
IDC Error ellipse: s-maj=3510.0km s-min=56.8km az=164.0.

(684) Southern East Pacific Rise.

ISC II 02 05 35 13.0–.94 35.2S–.20 111.5W–.20 10 4.1b,4.0s 9 33-152
IDC II 02 05 35 11.7–.98 35.14S 111.34W 0 4.0,4.0b ¶610315665
ISC Event type ke.
IDC Error ellipse: s-maj=40.4km s-min=32.5km az=72.0.
ISC II 12 09 56 26.0–1.2 24.6S–.20 115.9W–.20 12 3.9s,3.9b 12 33-153
IDC II 12 09 56 24.8–1.2 24.48S 115.78W 0 3.9s,3.9 ¶610415368
ISC Event type ke.
IDC Error ellipse: s-maj=45.9km s-min=23.0km az=45.0.
ISC II 12 13 10 17.1–1.2 24.6S–.20 116.1W–.20 10 4.5b,3.7s 23 7-153
NEIC II 12 13 10 15.5–1.7 24.76S–.08 116.5W–.20 10–2 4.6b,3.7s ¶610272573
IDC II 12 13 10 15.9–1.1 24.52S 116.18W 0 4.1,4.1b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=33.0km s-min=12.3km az=256.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=42.8km s-min=22.7km az=34.0.
ISC II 12 13 33 27.7–1.9 24.5S–.40 116.2W–.40 12 3.7b,3.5s 8 7-153
IDC II 12 13 33 25.7–1.6 24.44S 116.18W 0 3.7,3.7b ¶610415381
ISC Event type ke.
IDC Error ellipse: s-maj=73.8km s-min=31.6km az=39.0.
ISC II 14 05 53 50.1–.70 20.9S–.10 113.7W–.10 10 4.6b,4.2s 47 7-151
IDC II 14 05 53 47.8–.98 20.92S 113.97W 0 4.1s,3.9 ¶610415489
NEIC II 14 05 53 50.0–1.4 21.0S–.10 113.9W–.20 10–1 4.7b,3.9
GCMT II 14 05 53 55.0–.30 20.88S–.02 113.72W–.02 23–1 4.9W,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s29,c33; s104,c143;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}0.03±.15 $M_{\theta\theta}$0.08±.13; $M_{\phi\phi}$-0.11±.13; $M_{r\theta}$0.51±.17; $M_{r\phi}$3.07±.09; $M_{\theta\phi}$0.44±.18; Best double couple: NP1:ϕ_s92.00000°,δ82.00000°,λ9.00000°. NP2:ϕ_s0.00000°,δ81.00000°,λ172.00000°. Principal axes: T 3.2020,Plg12.0000°,Azm316.0000°; N -0.1160,Plg78.0000°,Azm132.0000°; P -3.0850,Plg1.0000°,Azm226.0000° $M_0$3.14400×10^{16}
ISC II 14 18 54 01.7–1.2 21.9S–.30 113.8W–.20 10 4.2b,4.2s 20 7-152
IDC II 14 18 54 03.0–1.2 21.07S 113.34W 0 4.1s,3.7 ¶610272583
NEIC II 14 18 54 09.4–2.7 21.3S–.10 113.3W–.20 10–1 4.6b,3.7
GCMT II 14 18 54 10.4–.30 20.92S–.02 113.75W–.02 29–1 5.0W,3.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s33,c39; s102,c127;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-0.57±.17 $M_{\theta\theta}$0.26±.17; $M_{\phi\phi}$0.30±.17; $M_{r\theta}$0.53±.23; $M_{\theta\phi}$4.18±.12; $M_{\phi r}$-0.13±.22; Best double couple: NP1:ϕ_s270.00000°,δ87.00000°,λ-8.00000°. NP2:ϕ_s0.00000°,δ82.00000°,λ-177.00000°. Principal axes: T 4.4810,Plg3.0000°,Azm315.0000°; N -0.5210,Plg81.0000°,Azm67.0000°; P -3.9590,Plg8.0000°,Azm225.0000° $M_0$4.22000×10^{16}
IDC II 19 23 31 02.4–2.1 21.27S 115.21W 0 3.5s,3.3 ¶610415846
IDC Error ellipse: s-maj=136.6km s-min=66.1km az=82.0.
ISC III 02 21 11 21.5–.56 55.4S–.10 122.1W–.10 10 4.5b,4.3s 40 29-152
IDC III 02 21 11 21.9–.90 55.76S 122.49W 0 4.2s,3.8 ¶610315694
NEIC III 02 21 11 22.6–1.7 55.60S–.09 121.8W–.20 10–1 4.8b,3.8
GCMT III 02 21 11 28.6–.20 56.22S–.01 122.18W–.03 13–1 5.1W,3.8

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s33,c44; s88,c124;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr-3.52±.20 Mθθ3.05±.15; Mϕϕ0.47±.13; Mrθ-0.65±.28; Mθϕ2.60±.09; Mϕr-2.31±.38; Best double couple: NP1:ϕs36.00000°,δ61.00000°,λ-117.00000°. NP2:ϕs262.00000°,δ39.00000°,λ-51.00000°. Principal axes: T 5.0500,Plg12.0000° ,Azm145.0000°; N -0.4310,Plg23.0000°,Azm50.0000°; P -4.6130,Plg63.0000° ,Azm260.0000° Mo4.83100×10^{16}

ISC IV 05 03 10 50.1–.42 55.70S–.09 125.02W–.09 10 4.9b,4.8s 75 30-165
IDC IV 05 03 10 47.0–.55 55.58S 125.08W 0 4.7s,4.1 **¶610513873**
NEIC IV 05 03 10 52.1–2.2 55.7S–.10 124.7W–.10 10–1 5.0b,4.1
GCMT IV 05 03 10 53.1–.10 55.65S–.01 125.09W–.01 15–1 5.3W,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s101,c148; s136,c232;Duration: 1s1 Moment tensor: Scale 10^{17}Nm; Mrr-0.12±.02 Mθθ0.70±.02; Mϕϕ-0.57±.02; Mrθ-0.09±.03; Mθϕ0.82±.02; Mϕr-0.04±.03; Best double couple: NP1:ϕs289.00000°,δ87.00000°,λ3.00000°. NP2:ϕs199.00000°,δ87.00000°,λ177.00000°. Principal axes: T 1.1110,Plg4.0000° ,Azm154.0000°; N -0.1320,Plg86.0000°,Azm329.0000°; P -0.9790,Plg0.0000°,Azm64.0000° Mo1.04500×10^{17}

ISC IV 12 17 27 11.3–.44 56.2S–.10 122.41W–.10 12 4.8b,4.5s 79 29-162
IDC IV 12 17 27 09.7–.60 55.95S 122.69W 0 4.4s,4.3b **¶610554468**
NEIC IV 12 17 27 11.3–1.4 56.2S–.20 122.2W–.20 10–1 4.9b,4.3b
GCMT IV 12 17 27 14.3–.20 56.17S–.01 122.45W–.02 12 5.1W,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s58,c84; s119,c185;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr-1.25±.11 Mθθ3.49±.12; Mϕϕ-2.24±.10; Mrθ-1.12±.29; Mθϕ4.40±.08; Mϕr-0.50±.27; Best double couple: NP1:ϕs287.00000°,δ85.00000°,λ8.00000°. NP2:ϕs196.00000°,δ82.00000°,λ174.00000°. Principal axes: T 6.0790,Plg9.0000° ,Azm152.0000°; N -1.4510,Plg80.0000°,Azm321.0000°; P -4.6280,Plg2.0000°,Azm61.0000° Mo5.35400×10^{16}

IDC IV 15 21 53 42.2–6.1 32.92S 109.42W 0 3.6,3.6b ¶610652826
IDC Error ellipse: s-maj=304.6km s-min=78.0km az=64.0.
ISC IV 23 02 08 45.4–.97 33.5S–.20 108.9W–.50 10 3.8b 10 25-164
IDC IV 23 02 08 43.9–1.0 33.47S 108.88W 0 3.7,3.7b **¶610649787**
ISC Event type ke.
IDC Error ellipse: s-maj=75.7km s-min=28.2km az=96.0.
ISC IV 23 16 39 53.2–.50 34.9S–.10 110.9W–.10 10 4.7b,4.4s 102 32-151
IDC IV 23 16 39 51.5–.67 34.91S 110.88W 0 4.3s,3.9 **¶610547524**
NEIC IV 23 16 39 53.4–1.1 35.0S–.20 111.1W–.30 10–2 4.7b,3.9
GCMT IV 23 16 39 55.4–.20 35.13S–.02 111.38W–.01 12 5.0W,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s58,c84; s117,c184;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr-3.45±.10 Mθθ-0.65±.11; Mϕϕ4.11±.08; Mrθ-1.40±.34; Mθϕ-1.24±.08; Mϕr-2.05±.24; Best double couple: NP1:ϕs10.00000°,δ62.00000°,λ-62.00000°. NP2:ϕs142.00000°,δ39.00000°,λ-131.00000°. Principal axes: T 4.7740,Plg12.0000° ,Azm80.0000°; N -0.0970,Plg25.0000°,Azm176.0000°; P -4.6710,Plg62.0000° ,Azm326.0000° Mo4.72300×10^{16}

ISC IV 23 18 38 43.6–2.0 35.4S–.40 110.4W–.80 10 3.8b,3.8s 7 8-150
IDC IV 23 18 38 43.3–1.8 35.18S 110.48W 0 3.9s,3.9b **¶610649825**
ISC Event type ke.
IDC Error ellipse: s-maj=107.4km s-min=43.5km az=109.0.
IDC IV 28 11 57 56.6–10 32.06S 109.64W 0 3.7b,3.6s ¶610650222
IDC Error ellipse: s-maj=397.2km s-min=223.8km az=114.0.
ISC V 05 14 10 07.8–1.2 24.4S–.30 116.0W–.20 10 3.8b,3.8s 11 7-153
IDC V 05 14 10 08.5–1.3 24.03S 115.52W 0 3.7s,3.7 **¶610689611**
ISC Event type ke.
IDC Error ellipse: s-maj=46.3km s-min=36.9km az=42.0.
ISC V 05 15 51 19.4–.78 54.3S–.10 119.6W–.20 10 4.2s,4.0b 13 28-157
IDC V 05 15 51 18.4–.82 54.51S 119.31W 0 4.0s,4.0 **¶610689617**
GCMT V 05 15 51 24.0–.30 54.78S–.02 118.70W–.02 27–1 5.0W,4.0
ISC Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. Moment Tensor Solution. s24,c26; s83,c113;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr-0.92±.18 Mθθ2.74±.17; Mϕϕ-1.82±.14; Mrθ0.18±.25; Mθϕ3.03±.09; Mϕr-0.74±.23; Best double couple: NP1:ϕs20.00000°,δ80.00000° ,λ-167.00000°. NP2:ϕs287.00000°,δ77.00000°,λ-10.00000°. Principal axes: T 4.2570,Plg2.0000°,Azm153.0000°; N -0.7160,Plg74.0000°,Azm57.0000° ; P -3.5450,Plg16.0000°,Azm244.0000° Mo3.90100×10^{16}

GCMT V 10 11 34 47.0–.30 35.18S–.02 110.96W–.02 15–2 5.0W ¶610967021
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. Moment Tensor Solution. s24,c25; s79,c109;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr0.39±.12 Mθθ-1.02±.10; Mϕϕ0.62±.11; Mrθ-3.06±.71; Mθϕ-2.19±.09; Mϕr-1.46±.43; Best double couple: NP1:ϕs260.00000° ,δ83.00000°,λ116.00000°. NP2:ϕs4.00000°,δ26.00000°,λ16.00000°. Principal axes: T 2.8690,Plg46.0000°,Azm196.0000°; N 1.8690,Plg25.0000°,Azm76.0000° ; P -4.7380,Plg33.0000°,Azm328.0000° Mo3.80300×10^{16}

ISC V 12 08 39 40.9–.64 35.1S–.10 111.4W–.10 10 4.1s,4.0b 19 27-152
IDC V 12 08 39 40.1–.76 35.12S 111.13W 0 4.0s,4.0 **¶610690109**
GCMT V 12 08 39 43.0–.30 35.30S–.03 111.33W–.02 15–1 4.8W,4.0
ISC Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. Moment Tensor Solution. s27,c35; s93,c122;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr-2.11±.15 Mθθ0.06±.09; Mϕϕ2.05±.10; Mrθ0.04±.24; Mθϕ-0.56±.06; Mϕr-0.48±.17; Best double couple: NP1:ϕs347.00000°,δ51.00000° ,λ-87.00000°. NP2:ϕs163.00000°,δ39.00000°,λ-93.00000°. Principal axes: T 2.2510,Plg6.0000°,Azm75.0000°; N -0.0860,Plg2.0000°,Azm166.0000° ; P -2.1640,Plg83.0000°,Azm275.0000° Mo2.20800×10^{16}

ISC V 13 09 05 54.9–.56 34.8S–.10 109.6W–.10 10 4.5b,3.8s 61 8-158
IDC V 13 09 05 52.8–.60 35.00S 109.58W 0 4.2b,4.1 **¶610690185**
NEIC V 13 09 05 56.2–1.2 34.9S–.10 109.5W–.10 10–1 4.6b,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 13 12 17 25.7–.40 35.37S–.09 105.17W–.07 10 4.8b,4.3s 111 9-167
IDC V 13 12 17 23.6–.66 35.38S 105.38W 0 4.4b,4.3s **¶616639932**
NEIC V 13 12 17 26.6–1.7 35.45S–.10 105.3W–.20 10–1 4.9b,4.3s
GCMT V 13 12 17 27.6–.20 35.45S–.01 105.29W–.01 15–0 5.1W,4.3s
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s74,c102; s130,c203;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr-0.77±.11 Mθθ-1.04±.10; Mϕϕ1.82±.11; Mrθ0.51±.30; Mθϕ-4.59±.09; Mϕr-1.55±.30; Best double couple: NP1:ϕs189.00000°,δ86.00000°,λ16.00000°. NP2:ϕs98.00000°,δ74.00000°,λ176.00000°. Principal axes: T 5.5760,Plg14.0000° ,Azm54.0000°; N -1.0760,Plg74.0000°,Azm202.0000°; P -4.4930,Plg8.0000°,Azm322.0000° Mo5.03500×10^{16}

GCMT V 27 15 25 58.0–.40 49.97S–.02 115.67W–.03 18–2 4.9W ¶610967023
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. Moment Tensor Solution. s19,c22; s71,c87;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr-0.37±.15 Mθθ1.17±.16; Mϕϕ-0.79±.12; Mrθ-0.23±.31; Mθϕ2.11±.10; Mϕr-1.36±.36; Best double couple: NP1:ϕs15.00000°,δ84.00000° ,λ-149.00000°. NP2:ϕs281.00000°,δ59.00000°,λ-7.00000°. Principal axes: T 2.8040,Plg17.0000°,Azm144.0000°; N -0.1660,Plg58.0000°,Azm24.0000° ; P -2.6400,Plg26.0000°,Azm243.0000° Mo2.72200×10^{16}

ISC VI 03 22 57 34.3–.40 49.5S–.10 116.11W–.10 10 4.6s,4.6b 119 29-168
IDC VI 03 22 57 32.1–.63 49.45S 116.28W 0 4.6s,4.2 **¶610662486**
NEIC VI 03 22 57 34.7–1.7 49.5S–.10 116.1W–.20 10–1 4.7b,4.2
GCMT VI 03 22 57 36.7–.20 49.55S–.01 116.11W–.01 16–1 5.2W,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s87,c110; s122,c192;Duration: 1s0 Moment tensor: Scale 10^{16}Nm; Mrr-0.96±.18 Mθθ4.08±.20; Mϕϕ-3.12±.17; Mrθ0.31±.47; Mθϕ6.93±.15; Mϕr3.04±.55; Best double couple: NP1:ϕs195.00000°,δ85.00000°,λ-158.00000°. NP2:ϕs103.00000°,δ68.00000°,λ-6.00000°. Principal axes: T 8.6580,Plg11.0000° ,Azm327.0000°; N -0.4830,Plg68.0000°,Azm208.0000°; P -8.1760,Plg19.0000° ,Azm61.0000° Mo8.41700×10^{16}

ISC VI 05 12 31 25.9–.72 35.20S–.09 111.0W–.20 10 4.5b 21 8-149
IDC VI 05 12 31 25.4–1.8 35.02S 110.74W 0 4.0,4.0b **¶610791282**
NEIC VI 05 12 31 26.0–2.2 35.2S–.10 111.0W–.20 10–1 4.5b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 12 18 41 04.7–1.1 55.9S–.20 122.4W–.20 12 4.3s,4.1b 10 29-99
IDC VI 12 18 41 02.7–1.1 55.91S 122.49W 0 4.2s,4.0 **¶610791738**
GCMT VI 12 18 41 08.0–.20 56.15S–.02 122.44W–.03 15–1 5.0W,4.0
ISC Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. Moment Tensor Solution. s20,c21; s90,c128;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr-1.22±.16 Mθθ2.92±.16; Mϕϕ-1.70±.12; Mrθ-2.21±.48; Mθϕ2.32±.09; Mϕr-0.93±.41; Best double couple: NP1:ϕs200.00000°,δ75.00000° ,λ164.00000°. NP2:ϕs295.00000°,δ74.00000°,λ15.00000°. Principal axes: T 4.8330,Plg22.0000°,Azm157.0000°; N -2.1690,Plg68.0000°,Azm340.0000° ; P -2.6640,Plg1.0000°,Azm248.0000° Mo3.74800×10^{16}

ISC VI 15 11 42 15.5–.34 55.41S–.08 124.81W–.07 10 5.2s,4.8b 98 30-163
IDC VI 15 11 42 12.9–.68 55.02S 124.82W 0 4.8s,4.1 **¶610675335**
NEIC VI 15 11 42 15.9 55.41S 124.79W 10 4.8s,4.1
NEIC VI 15 11 42 16 55.42S 124.73W 30 4.8s,4.1
NEIC VI 15 11 42 16.0–1.4 55.4S–.10 124.8W–.20 10–1 5.8,5.8
NEIC VI 15 11 42 16 55.42S 124.73W 30 5.8,5.8
GCMT VI 15 11 42 23.0–.10 55.77S 124.44W 23–0 5.8W,5.8
ISC Event type se.
IDC Error ellipse: s-maj=28.7km s-min=19.9km az=151.0.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 3s6 Moment tensor: Scale 10^{17}Nm; Mrr0.08 Mθθ4.36 Mϕϕ-4.45 Mrθ-1.23 Mθϕ5.05 Mϕr-0.24 NP1:ϕs290.96000°,δ84.61000° ,λ8.99000°. NP2:ϕs200.11000°,δ81.05000°,λ174.54000°. Principal axes: T 6.8775,Plg10.0000°,Azm156.0000°; N -0.1211,Plg80.0000°,Azm322.0000° ; P -6.7564,Plg2.0000°,Azm65.0000° Mo6.82000×10^{17}
NEIC Event type se. Error ellipse: s-maj=20.6km s-min=19.4km az=317.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; Mrr0.04 Mθθ3.47 Mϕϕ-3.51 Mrθ-0.59 Mθϕ4.58 Mϕr0.29 NP1:ϕs198.72000°,δ83.53000°,λ-179.25000°. NP2:ϕs108.63000°,δ89.26000° ,λ-6.47000°. Principal axes: T 5.7640,Plg4.0000°,Azm154.0000°; N 0.0572,Plg83.0000° ,Azm282.0000°; P -5.8212,Plg5.0000°,Azm63.0000° Mo5.79000×10^{17}
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s153,c310; s152,c460; Duration: 1s9 Moment tensor: Scale 10^{17}Nm; Mrr-0.39±.04 Mθθ3.78±.05; Mϕϕ-3.39±.04; Mrθ-0.55±.08; Mθϕ5.17±.04; Mϕr-0.50±.07; Best double couple: NP1:ϕs197.00000°,δ87.00000° ,λ174.00000°. NP2:ϕs288.00000°,δ84.00000°,λ3.00000°. Principal axes: T 6.5610,Plg6.0000°,Azm152.0000°; N -0.4570,Plg84.0000°,Azm350.0000° ; P -6.1030,Plg2.0000°,Azm242.0000° Mo6.33200×10^{17}

GCMT VI 24 10 17 09.0–.30 49.73S–.02 114.51W–.03 21–2 4.9W ¶611083659
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. Moment Tensor Solution. s14,c16; s75,c92;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr-0.33±.18 Mθθ1.16±.14; Mϕϕ-0.82±.12; Mrθ-0.46±.26; Mθϕ1.87±.09; Mϕr2.20±.43; Best double couple: NP1:ϕs194.00000°,δ81.00000° ,λ-138.00000°. NP2:ϕs96.00000°,δ49.00000°,λ-12.00000°. Principal axes: T 2.5720,Plg21.0000°,Azm319.0000°; N 0.8740,Plg47.0000°,Azm204.0000° ; P -3.4430,Plg35.0000°,Azm64.0000° Mo3.00700×10^{16}

ISC VI 27 05 09 18.5–.61 55.0S–.10 126.4W–.10 10 4.5b,3.9s 40 30-162
IDC VI 27 05 09 17.3–.60 55.00S 126.64W 0 4.1,4.1b **¶610789543**
NEIC VI 27 05 09 18.4–2.1 55.0S–.10 126.5W–.20 10–1 4.7b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT VI 28 09 59 30.0–.30 26.80S–.03 115.29W–.03 20–0 5.0W ¶611083664
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. Moment Tensor Solution. s25,c28; s102,c139;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr-3.74±.19 Mθθ1.26±.12; Mϕϕ2.48±.13; Mrθ0.45±.27; Mθϕ-0.92±.06; Mϕr0.59±.28; Best double couple: NP1: ϕs160.00000°,δ48.00000°,λ-79.00000°. NP2:ϕs324.00000°,δ43.00000°,λ-102.00000°. Principal axes: T 2.9870,Plg3.0000°,Azm243.0000°; N 0.8660,Plg8.0000°,Azm333.0000° ; P -3.8530,Plg81.0000°,Azm135.0000° Mo3.42000×10^{16}

(685) Easter Island region.

ISC I 12 14 11 59.3–3.3 26.8S–.60 105W–2.0 10 4.0b 7 24-159
IDC I 12 14 11 57.1–3.8 27.02S 105.89W 0 3.8,3.8b **¶610237243**
ISC Event type ke.
IDC Error ellipse: s-maj=258.8km s-min=79.7km az=98.0.
ISC II 02 23 35 59.3–.56 29.3S–.10 111.35W–.09 10 4.8b,3.9s 42 3-150
IDC II 02 23 35 57.7–1.4 29.30S 111.55W 0 3.8s,3.5 **¶610315666**
NEIC II 02 23 36 00.4–.96 29.3S–.10 111.3W–.10 10–1 4.9b,3.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC II 09 15 20 01.6–1.7 28.89S 111.89W 0 3.8b,3.7s ¶610415181
IDC Error ellipse: s-maj=79.1km s-min=36.8km az=163.0.
ISC III 01 22 28 11.1–2.0 24.6S–.50 112W–1.0 10 3.8b,3.6s 8 30-155
IDC III 01 22 28 10.1–2.0 24.53S 112.17W 0 3.7,3.7b **¶610545350**
ISC Event type ke.
IDC Error ellipse: s-maj=142.2km s-min=64.1km az=86.0.
ISC III 02 18 37 28.6–1.5 22.8S–.40 112.1W–.30 10 3.8b 12 5-153
IDC III 02 18 37 27.7–1.3 22.73S 112.15W 0 3.8,3.8b **¶610545404**
ISC Event type ke.
IDC Error ellipse: s-maj=52.0km s-min=40.1km az=34.0.
ISC III 18 10 31 24.1–.46 23.18S–.08 112.37W–.09 10 4.7b,4.1s 122 5-154
IDC III 18 10 31 23.5–.86 22.99S 112.19W 0 4.2,4.2b **¶610345875**
NEIC III 18 10 31 24.4–.98 23.24S–.10 112.4W–.10 10–1 4.7b,4.2b
GCMT III 18 10 31 27.4–.20 23.36S–.01 112.30W–.01 16–1 4.9W,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s37,c45; s103,c149;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr-0.71±.10 Mθθ3.22±.10; Mϕϕ-2.51±.08; Mrθ0.35±.23; Mθϕ1.01±.07; Mϕr-0.10±.24; Best double couple: NP1:ϕs305.00000°,δ90.00000°,λ-7.00000°. NP2:ϕs35.00000°,δ83.00000°,λ-180.00000°. Principal axes: T 3.4190,Plg5.0000° ,Azm350.0000°; N -0.7280,Plg83.0000°,Azm124.0000°; P -2.6960,Plg5.0000° ,Azm260.0000° Mo3.05800×10^{16}

ISC IV 08 16 25 08.1–.67 23.6S–.10 114.2W–.10 10 4.5b,3.8s 32 6-153
IDC IV 08 16 25 06.6–1.2 23.67S 114.37W 0 3.9,3.9b **¶610554459**
NEIC IV 08 16 25 09.6–2.3 23.56S–.08 114.0W–.10 10–2 4.7b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IV 12 16 37 25.0–4.5 23.72S 114.34W 0 3.7,3.7b ¶610652565
IDC Error ellipse: s-maj=223.4km s-min=130.5km az=52.0.
IDC IV 27 09 43 18.2–9.6 25.63S 112.37W 0 3.7,3.7b

¶610650121
IDC Error ellipse: s-maj=525.1km s-min=228.1km az=81.0.
IDC V 18 22 33 33.7–3.7 26.50S 112.31W 0 3.6s,3.6
¶610690626
IDC Error ellipse: s-maj=122.3km s-min=39.2km az=34.0.
ISC V 22 00 37 01.3–2.2 23.7S–.50 114.1W–.70 10 3.7b,3.5s 7 37-153
IDC V 22 00 37 02.6–1.8 23.17S 113.90W 0 3.6,3.6b ¶610685112
ISC Event type ke.
IDC Error ellipse: s-maj=105.9km s-min=52.7km az=107.0.

(686) West Chile Rise.

IDC I 03 23 59 51.3–18 40.46S 91.40W 0 3.8,3.8b
¶610236630
IDC Error ellipse: s-maj=667.6km s-min=370.8km az=111.0.
ISC I 20 03 32 52.9–.50 36.35S–.09 97.10W–.09 10 4.9b,4.3s 169 14-165
GCMT I 20 03 32 52.9–.40 36.39S–.02 97.22W–.02 17–1 5.0W,4.3s ¶610102449
NEIC I 20 03 32 52.9–1.4 36.4S–.10 97.2W–.20 10–1 4.9b,4.3s
IDC I 20 03 32 52.5–.74 36.30S 97.07W 0 4.5,4.5b
ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s20,c20; s101,c130;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.33±.23 $M_{\theta\theta}$0.98±.18; $M_{\phi\phi}$0.35±.15; $M_{r\theta}$0.25±.40; $M_{\theta\phi}$-3.99±.14; $M_{\phi r}$0.11±.40; Best double couple: NP1:ϕ_s268.00000°,δ86.00000°,λ-174.00000°. NP2:ϕ_s178.00000°,δ84.00000°,λ-4.00000°. Principal axes: T 4.6690,Plg1.0000° ,Azm43.0000°; N -1.3010,Plg83.0000°,Azm305.0000°; P -3.3680,Plg7.0000°,Azm133.0000° $M_0$4.01800×10^{16}
NEIC Event type se. Error ellipse: s-maj=22.9km s-min=19.6km az=270.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=22.6km s-min=18.0km az=17.0.
ISC I 22 07 39 07.3–.88 41.3S–.10 83.5W–.10 10 4.4b 34 7-87
IDC I 22 07 39 00.2–4.3 42.36S 83.84W 0 3.8b,3.7 ¶610235086
NEIC I 22 07 39 07.8–1.4 41.26S–.10 83.4W–.20 10–1 4.5b,3.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 22 07 44 22.5–.49 41.96S–.07 83.75W–.08 15 5.2b 388 8-171
IDC I 22 07 44 19.0–.81 42.20S 83.88W 0 4.2,4.2b ¶610105070
NEIC I 22 07 44 24.1–1.8 41.67S–.10 83.6W–.10 10–1 5.3b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 22 07 47 24.6–.86 42.0S–.20 83.9W–.20 19 3.9b 13 9-171
IDC I 22 07 47 21.4–.88 42.01S 83.88W 0 4.1b,4.0 ¶610235087
ISC Event type ke.
IDC Error ellipse: s-maj=35.9km s-min=25.1km az=52.0.
ISC I 30 16 45 08.1–.46 42.70S–.07 83.66W–.08 10 4.7b,3.9s 134 8-171
IDC I 30 16 45 06.5–.58 42.67S 83.57W 0 4.5b,4.4 ¶610148030
NEIC I 30 16 45 08.6–1.5 42.73S–.09 83.67W–.09 10–1 4.7b,4.4
GCMT I 30 16 45 09.6–.40 42.57S–.04 83.55W–.04 28–0 5.0W,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s20,c21; s80,c91;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.53±.23 $M_{\theta\theta}$0.60±.13; $M_{\phi\phi}$2.92±.15; $M_{r\theta}$0.75±.24; $M_{\theta\phi}$-0.77±.10; $M_{\phi r}$-0.77±.21; Best double couple: NP1:ϕ_s336.00000°,δ53.00000°,λ-98.00000°. NP2:ϕ_s170.00000°,δ37.00000°,λ-79.00000°. Principal axes: T 3.2860,Plg8.0000° ,Azm72.0000°; N 0.4300,Plg7.0000°,Azm341.0000°; P -3.7220,Plg80.0000°,Azm212.0000° $M_0$3.50400×10^{16}
ISC I 30 16 46 28.9–.62 42.72S–.09 83.73W–.10 10 4.5b 53 8-171
IDC I 30 16 46 25.9–.90 42.72S 83.88W 0 4.3,4.3b ¶610235749
NEIC I 30 16 46 30.5–2.2 42.73S–.04 83.6W–.10 10–1 4.5b,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC I 30 16 53 40.6–4.0 42.82S 83.12W 0 3.5,3.5b
¶610235750
IDC Error ellipse: s-maj=98.8km s-min=64.6km az=175.0.
ISC II 05 07 11 19.9–.26 36.89S–.06 96.02W–.05 10 5.2b,4.6s 628 14-173
IDC II 05 07 11 18.4–.43 36.93S 95.98W 0 4.8,4.8b ¶610197599
GCMT II 05 07 11 19.9–.20 37.07S–.01 96.04W–.01 12 5.1W,4.8b
MOS II 05 07 11 19.0–1.1 36.88S 96.00W 10 5.2b,4.8b
NEIC II 05 07 11 20.9–1.5 36.9S–.10 96.0W–.10 10–1 5.2b,4.8b
ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s79,c115; s132,c207;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-5.11±.10 $M_{\theta\theta}$1.52±.10; $M_{\phi\phi}$3.59±.09; $M_{r\theta}$0.66±.31; $M_{\theta\phi}$-3.44±.08; $M_{\phi r}$-0.25±.28; Best double couple: NP1:ϕ_s318.00000°,δ48.00000°,λ-97.00000°. NP2:ϕ_s149.00000°,δ42.00000°,λ-82.00000°. Principal axes: T 6.1790,Plg3.0000° ,Azm53.0000°; N -1.0030,Plg5.0000°,Azm323.0000°; P -5.1760,Plg84.0000°,Azm173.0000° $M_0$5.67800×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 08 13 44 31.3–.28 41.75S–.06 83.75W–.05 10 5.3b,4.5s 406 8-176
IDC II 08 13 44 29.0–.52 41.92S 83.87W 0 4.6,4.6b ¶610205569
NEIC II 08 13 44 29.1 41.79S 84.31W 12 4.6,4.6b
MOS II 08 13 44 30.5–.92 41.73S 83.69W 12 5.4b,4.6b
NEIC II 08 13 44 32.0–1.9 41.69S–.07 83.8W–.10 10–1 5.3b,5.2
GCMT II 08 13 44 32.0–.10 41.73S–.01 84.01W–.01 12 5.2W,5.2
ISC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2s3 Moment tensor: Scale 10^{16}Nm; M_{rr}-7.20 $M_{\theta\theta}$-0.31 $M_{\phi\phi}$7.51 $M_{r\theta}$-3.61 $M_{\theta\phi}$-1.50 $M_{\phi r}$3.25 NP1:ϕ_s150.76000°,δ61.47000° ,λ-109.50000°. NP2:ϕ_s7.32000°,δ34.09000°,λ-58.45000°. Principal axes: T 8.7728,Plg14.0000°,Azm255.0000°; N 0.3353,Plg17.0000°,Azm160.0000° ; P -9.1082,Plg67.0000°,Azm23.0000° $M_0$8.94000×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s60,c86; s127,c200;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.66±.01 $M_{\theta\theta}$-0.02±.01; $M_{\phi\phi}$0.67±.01; $M_{r\theta}$0.36±.04; $M_{\theta\phi}$-0.19±.01; $M_{\phi r}$-0.14±.03; Best double couple: NP1:ϕ_s324.00000°,δ58.00000° ,λ-116.00000°. NP2:ϕ_s186.00000°,δ40.00000°,λ-55.00000°. Principal axes: T 0.7650,Plg10.0000°,Azm72.0000°; N 0.0530,Plg21.0000°,Azm338.0000° ; P -0.8190,Plg66.0000°,Azm185.0000° $M_0$0.79200×10^{17}
IDC II 25 19 02 32.4–1.1 42.22S 86.44W 0 3.9,3.9b
¶610385018
IDC Error ellipse: s-maj=43.0km s-min=25.8km az=119.0.
ISC II 28 13 19 30.7–1.3 38.2S–.20 93.9W–.20 25 4.3b,3.7s 30 13-147
IDC II 28 13 19 27.4–2.2 38.14S 93.94W 0 4.0,4.0b ¶610273036
NEIC II 28 13 19 28.2–.76 38.3S–.20 94.02W–.09 10–2 4.3b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 04 15 39 53.3–1.2 44.65S–.09 81.6W–.10 10 4.2b,3.8s 32 6-94
NEIC III 04 15 39 51.5–2.7 44.67S–.06 81.8W–.20 10–1 4.6b,3.8s ¶610545535
IDC III 04 15 39 55.9–1.5 45.09S 80.85W 0 4.0L,3.9
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=24.3km s-min=9.5km az=282.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=43.5km s-min=25.8km az=126.0.
IDC III 08 10 50 30.2–3.1 35.77S 97.94W 0 4.1s,3.9
GCMT III 08 10 50 31.0–.20 36.33S–.01 98.24W–.02 24–1 5.0W,3.9 ¶610440740
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. Moment Tensor Solution. s47,c56; s113,c168;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.41±.16 $M_{\theta\theta}$-0.19±.12; $M_{\phi\phi}$0.60±.11; $M_{r\theta}$0.12±.16; $M_{\theta\phi}$-4.06±.10; $M_{\phi r}$0.55±.16; Best double couple: NP1: ϕ_s183.00000°,δ88.00000°,λ-8.00000°. NP2:ϕ_s273.00000°,δ82.00000°,λ-178.00000°. Principal axes: T 4.3080,Plg4.0000°,Azm228.0000°; N -0.3740,Plg82.0000°,Azm346.0000° ; P -3.9330,Plg7.0000°,Azm137.0000° $M_0$4.12000×10^{16}

ISC III 14 22 38 19.0–.59 36.1S–.10 97.95W–.10 10 4.6b,4.3s 84 13-169
IDC III 14 22 38 17.4–.78 36.04S 97.97W 0 4.3s,4.1 ¶610440747
GCMT III 14 22 38 19.2–.20 36.33S–.01 98.11W–.02 20–1 5.0W,4.1
NEIC III 14 22 38 20.2–1.9 36.1S–.10 97.9W–.20 10–1 4.7b,4.1
ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s43,c53; s115,c162;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.28±.14 $M_{\theta\theta}$-0.26±.13; $M_{\phi\phi}$0.54±.12; $M_{r\theta}$0.16±.24; $M_{\theta\phi}$-4.25±.11; $M_{\phi r}$-0.69±.21; Best double couple: NP1:ϕ_s183.00000°,δ88.00000°,λ9.00000°. NP2:ϕ_s93.00000°,δ81.00000°,λ178.00000°. Principal axes: T 4.4870,Plg7.0000° ,Azm48.0000°; N -0.3250,Plg81.0000°,Azm193.0000°; P -4.1620,Plg5.0000°,Azm317.0000° $M_0$4.32400×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 14 23 39 24.6–.47 40.59S–.10 91.80W–.07 10 4.8b,4.5s 107 12-177
IDC III 14 23 39 22.6–.84 40.94S 91.58W 0 4.5s,4.1 ¶610329060
GCMT III 14 23 39 23.4–.10 40.89S–.01 91.76W–.01 12 5.2W,4.1
NEIC III 14 23 39 25.4–1.3 40.52S–.08 91.9W–.10 10–1 4.9b,4.1
ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s100,c139; s148,c232;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.77±.01 $M_{\theta\theta}$-0.06±.01; $M_{\phi\phi}$0.82±.01; $M_{r\theta}$0.41±.04; $M_{\theta\phi}$-0.10±.01; $M_{\phi r}$0.06±.03; Best double couple: NP1:ϕ_s197.00000°,δ51.00000°,λ-57.00000°. NP2:ϕ_s331.00000°,δ50.00000°,λ-124.00000°. Principal axes: T 0.8370,Plg1.0000° ,Azm264.0000°; N 0.1270,Plg25.0000°,Azm354.0000°; P -0.9640,Plg65.0000° ,Azm173.0000° $M_0$0.90100×10^{17}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC III 23 13 45 46.5–17 41.19S 85.84W 0 3.7,3.7b
¶610543540
IDC Error ellipse: s-maj=452.2km s-min=64.5km az=166.0.
IDC IV 24 02 20 43.7–7.0 41.18S 88.92W 0 3.8b,3.7
¶610649851
IDC Error ellipse: s-maj=208.0km s-min=46.2km az=8.0.
ISC V 30 16 27 45.5–2.6 36.0S–.40 96.9W–.30 10 4.2b,3.7s 28 15-83
IDC V 30 16 27 43.1–3.3 36.13S 97.15W 0 3.9,3.8s ¶610685731
NEIC V 30 16 27 44.9–1.1 36.10S–.09 97.0W–.30 10–2 4.3b,3.8s
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VI 26 03 50 29.3–6.4 38.36S 93.78W 0 3.9,3.9b
¶610789478
IDC Error ellipse: s-maj=176.1km s-min=32.9km az=11.0.

(688) East of North Island.

ISC I 01 14 54 42.1–1.8 36.56S–.09 179.5W–.10 28 3.8b 88 2-150
NEIC I 01 14 54 39.1–.68 36.7S–.20 179.2W–.20 10–2 4.2b ¶610236394
IDC I 01 14 54 44.3–2.9 36.33S 179.69E 0 4.0,3.9b
WEL I 01 14 54 46.7–.89 37S–9.0 180W–12 108–22 4.1L,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL III 06 16 48 50.3–1.2 35S–9.0 178W–6.0 33 3.8L,3.8
¶614542086
WEL smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL III 09 14 50 52.2–.00 38S–8.0 180W–5.0 33 3.5L,3.2
¶614542213
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC III 16 17 51 01.4–1.2 35.44S–.09 179.16W–.08 35 4.2b 110 3-149
IDC III 16 17 50 58.4–2.8 35.14S 179.54W 0 4.0,4.0b ¶610546326
NEIC III 16 17 51 03.8–2.5 35.45S–.10 179.7W–.10 31–10 4.4b,4.0b
WEL III 16 17 51 05.0–.79 36S–5.0 179W–7.0 33 4.2L,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC III 16 19 10 27.1–2.1 35.3S–.10 179.4W–.20 41 3.7s 46 3-149
IDC III 16 19 10 23.2–2.8 35.17S 179.67W 0 4.2,4.1b ¶610546331
WEL III 16 19 10 27.9–1.2 35S–23 179W–31 33 4.5L,4.3
ISC Event type ke.
WEL smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC III 16 19 37 30.5–.62 35.39S–.06 179.53W–.06 27–3 4.9b,4.0s 185 3-168
WEL III 16 19 37 00 35.55S 179.46W 24 4.8L,4.7W ¶610470977
WEL III 16 19 37 32.8–1.1 36S–10 179W–12 33 5.1b,5.0L
NEIC III 16 19 37 32.6–2.0 35.4S–.10 179.6W–.10 35–1 5.0b,5.0L
IDC III 16 19 37 34.9–1.5 35.43S 179.75W 58–11 4.4,4.2b
ISC Event type se.
WEL Moment Tensor Solution. s3 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.23 $M_{\theta\theta}$1.20 $M_{\phi\phi}$-0.97 $M_{r\theta}$-0.14 $M_{\theta\phi}$0.79 $M_{\phi r}$0.44 NP1:ϕ_s209.00000°,δ75.00000°,λ-164.00000°. NP2:ϕ_s115.00000° ,δ75.00000°,λ-16.00000°. Principal axes: T 1455.1700,Plg0.0000°,Azm342.0000° ; N -1403.2300,Plg69.0000°,Azm252.0000°; P -51.9400,Plg21.0000°,Azm72.0000° $M_0$1.43000×10^{16}
WEL Error ellipse: s-maj=0.0km s-min=0.0km az=122.5. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
NEIC Event type se. Error ellipse: s-maj=20.8km s-min=14.5km az=129.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=17.7km s-min=13.4km az=152.0.
ISC IV 09 10 04 03.8–3.7 35.0S–.20 179.8W–.20 43 39 3-9
NOU IV 09 10 03 50.5 34.50S 178.69W 122 4.6 ¶612489417
WEL IV 09 10 04 04.4–1.5 35S–15 180W–13 30–45 4.2L,4.0
ISC Event type se.
NOU South of Kermadec Islands.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL IV 22 14 32 34.4–1.2 35S–18 180W–25 12 3.7L,3.5
¶614544961
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC IV 25 13 42 24.5–1.4 35.10S–.09 179.4W–.10 35 4.3b 64 3-149
IDC IV 25 13 42 21.6–3.4 34.87S 179.80W 0 3.9,3.9b ¶610649994
NEIC IV 25 13 42 25.3–2.0 35.2S–.10 179.49W–.04 35–2 4.4b,3.9b
WEL IV 25 13 42 29.4–1.4 35S–12 180W–12 94–93 4.3L,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL V 01 07 04 49.7–.92 38S–7.0 180W–6.0 33 3.8L,3.3
¶614545320
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL V 18 08 14 26.4–1.2 36S–10 180W–12 33 3.9L,3.6
¶614546045
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL V 24 06 26 50.9–1.5 35S–10 180W–15 68–85 4.2b,3.9L
¶614546309
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC VI 08 16 48 31.4–2.9 37.62S–.09 179.9W–.10 3–15 40 1-7
NOU VI 08 16 48 28.6 37.49S 179.50W 6 3.8 ¶612489980
WEL VI 08 16 48 32.9–.90 37S–8.0 180W–6.0 33 3.8L,3.4
ISC Event type se.
NOU East of North Island, N.Z.

WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
WEL VI 09 11 11 04.5–7.7 36S–32 179W–60 139–53 3.7,3.7 ¶614547456
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.
ISC VI 17 09 31 38.9–3.5 37.53S–.08 179.6W–.20 35 98 2-7
NOU VI 17 09 31 34.8 37.51S 179.48W 0 4.0 **¶612490048**
WEL VI 17 09 31 42.9–1.2 38S–6.0 180W–11 54–53 3.8L,3.6
ISC Event type se.
NOU East of North Island, N.Z.
WEL Event type se. smi:org.gfz-potsdam.de/geofon/LOCSAT. earthModelID smi:org.gfz-potsdam.de/geofon/iasp91. manual. confirmed.

(691) Pacific-Antarctic Ridge.

ISC I 08 14 20 06.5–.42 54.41S–.07 135.87W–.09 13 5.0s,4.8b 56 30-153
IDC I 08 14 20 03.9–.92 54.27S 136.39W 0 4.8s,4.3 **¶610050749**
NEIC I 08 14 20 06.3–1.6 54.3S–.10 135.86W–.09 10–1 5.6,5.1
GCMT I 08 14 20 14.3–.10 54.74S–.01 135.63W–.01 16–0 5.6W,5.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.26 $M_{\theta\theta}$2.10 $M_{\phi\phi}$-1.84 $M_{r\theta}$0.20 $M_{\theta\phi}$2.08 $M_{\phi r}$0.22 NP1:ϕ_s111.79000°,δ84.57000°,λ1.31000°. NP2:ϕ_s21.67000°,δ88.70000° ,λ174.57000°. Principal axes: T 3.0122,Plg5.0000°,Azm337.0000°; N -0.2738,Plg84.0000° ,Azm188.0000°; P -2.7384,Plg3.0000°,Azm67.0000° $M_0$2.89000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s123,c211; s148,c277;Duration: 1s5 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.34±.03 $M_{\theta\theta}$2.26±.03; $M_{\phi\phi}$-1.91±.03; $M_{r\theta}$0.20±.09; $M_{\theta\phi}$2.13±.03; $M_{\phi r}$0.33±.08; Best double couple: NP1:ϕ_s202.00000°,δ90.00000°,λ-173.00000°. NP2:ϕ_s112.00000°,δ83.00000°,λ0.00000°. Principal axes: T 3.1840,Plg5.0000° ,Azm337.0000°; N -0.3530,Plg83.0000°,Azm203.0000°; P -2.8260,Plg5.0000°,Azm67.0000° $M_0$3.00500×10^{17}
IDC I 08 15 15 16.9–3.4 54.24S 136.83W 0 3.9,3.9b ¶610236969
IDC Error ellipse: s-maj=400.7km s-min=30.7km az=179.0.
ISC I 09 18 40 34.9–.87 62.6S–.10 158.6W–.20 10 4.3b,3.9s 16 19-147
IDC I 09 18 40 33.7–1.2 62.53S 158.71W 0 4.1b,4.0 **¶610237037**
NEIC I 09 18 40 35.0–1.1 62.7S–.20 158.4W–.20 10–1 4.2b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC I 10 10 19 32.5–2.0 63.33S 167.27W 0 3.6,3.6b ¶610237074
IDC Error ellipse: s-maj=61.4km s-min=31.2km az=69.0.
IDC I 14 12 43 29.0–2.0 58.01S 139.98W 0 4.2,4.2b ¶610101637
IDC Error ellipse: s-maj=59.4km s-min=46.6km az=59.0.
IDC I 14 22 52 49.8–8.6 54.65S 152.02W 0 3.5,3.5b ¶610237395
IDC Error ellipse: s-maj=763.5km s-min=70.4km az=163.0.
ISC I 15 08 14 39.8–.59 56.5S–.20 150.6W–.10 10 4.7b,3.5s 33 27-152
IDC I 15 08 14 38.1–.61 56.71S 150.80W 0 4.3,4.3b **¶610237423**
NEIC I 15 08 14 40.8–.96 56.5S–.20 150.5W–.10 10–1 4.9b,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 17 20 50 49.2–.92 62.6S–.30 158.1W–.20 10 3.9s,3.9b 12 20-153
IDC I 17 20 50 48.0–.89 62.56S 158.10W 0 3.9L,3.8s **¶610101643**
ISC Event type ke.
IDC Error ellipse: s-maj=45.5km s-min=30.9km az=5.0.
ISC I 18 15 58 23.7–.52 56.7S–.10 150.7W–.10 10 4.8b,3.6s 61 27-153
IDC I 18 15 58 22.0–.57 56.57S 150.68W 0 4.5,4.5b **¶610101946**
NEIC I 18 15 58 24.5–1.4 56.4S–.10 150.7W–.20 10–1 4.8b,4.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 19 19 17 22.1–.98 56.7S–.30 151.0W–.20 10 4.1b,3.7s 8 26-149
IDC I 19 19 17 20.9–.88 56.79S 150.91W 0 3.9,3.9b **¶610237740**
ISC Event type ke.
IDC Error ellipse: s-maj=46.2km s-min=24.9km az=9.0.
ISC I 20 05 21 10.2–.76 56.7S–.30 150.6W–.10 10 4.3b,3.4s 13 27-152
IDC I 20 05 21 08.7–.63 56.69S 150.60W 0 4.2,4.2b **¶610234918**
ISC Event type ke.
IDC Error ellipse: s-maj=37.6km s-min=18.1km az=9.0.
ISC I 23 16 36 10.5–.65 56.8S–.20 150.9W–.10 10 4.5b,3.5s 28 33-152
IDC I 23 16 36 09.3–.62 56.85S 150.83W 0 4.3,4.3b **¶610235210**
NEIC I 23 16 36 11.1–.71 56.7S–.30 150.9W–.10 10–1 4.7b,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 23 17 34 45.4–.98 56.8S–1.0 150.7W–.20 10 4.0b 7 53-149
IDC I 23 17 34 44.2–.93 56.90S 150.66W 0 3.8,3.8b **¶610235211**
ISC Event type ke.
IDC Error ellipse: s-maj=137.6km s-min=26.4km az=5.0.
ISC I 24 17 08 09.0–.87 56.4S–.60 150.7W–.20 10 4.1b 16 42-149
IDC I 24 17 08 08.1–1.1 56.25S 150.73W 0 3.9,3.9b **¶610235274**
NEIC I 24 17 08 09.6–2.3 56.2S–.20 150.7W–.30 10–1 4.7b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 26 04 33 22.2–.54 56.6S–.10 150.7W–.10 10 4.7b,3.6s 34 26-152
IDC I 26 04 33 20.8–.59 56.77S 150.72W 0 4.3b,4.2 **¶610235362**
NEIC I 26 04 33 22.0–1.0 56.7S–.20 150.9W–.20 10–1 4.9b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 27 16 11 48.5–.52 56.7S–.20 150.58W–.10 10 4.8b,3.6s 44 27-153
IDC I 27 16 11 47.2–.59 56.77S 150.58W 0 4.5,4.5b **¶610235484**
NEIC I 27 16 11 49.0–1.3 56.7S–.20 150.6W–.20 10–1 4.8b,4.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 28 03 21 22.8–.67 56.9S–.20 139.8W–.10 10 4.8b,3.9s 31 28-153
IDC I 28 03 21 21.3–.80 56.91S 140.05W 0 4.2,4.2b **¶610184279**
NEIC I 28 03 21 23.1–2.6 56.9S–.20 139.8W–.10 10–1 4.9b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC I 29 16 40 58.7–6.9 54.49S 151.98W 0 3.4,3.4b ¶610235661
IDC Error ellipse: s-maj=566.4km s-min=93.1km az=166.0.
ISC II 01 22 23 07.8–.46 56.7S–.20 150.75W–.09 10 4.8b,3.9s 55 26-164
IDC II 01 22 23 06.5–.53 56.72S 150.76W 0 4.5,4.5b **¶610315664**
NEIC II 01 22 23 08.2–1.1 56.7S–.20 150.8W–.20 10–1 4.9b,4.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 02 01 15 25.5–1.2 56.5S–.30 150.3W–.20 10 4.3b,3.9s 7 27-149
IDC II 02 01 15 24.5–1.0 56.59S 150.35W 0 4.0,4.0b **¶610414638**
ISC Event type ke.
IDC Error ellipse: s-maj=45.0km s-min=29.4km az=20.0.
ISC II 04 23 54 34.0–1.3 57S–1.0 150.8W–.20 10 6 53-151
IDC II 04 23 54 32.4–1.2 56.68S 150.79W 0 3.8,3.8b **¶610414848**
ISC Event type ke.
IDC Error ellipse: s-maj=190.2km s-min=34.7km az=180.0.
IDC II 05 00 18 26.6–9.3 55.53S 151.44W 0 3.8s,3.5 ¶610414850
IDC Error ellipse: s-maj=936.5km s-min=104.8km az=167.0.
ISC II 06 13 23 54.1–.44 56.9S–.10 150.49W–.10 10 5.0b,4.1s 71 26-162
IDC II 06 13 23 52.2–.53 56.68S 150.69W 0 4.4,4.4b **¶610414972**
NEIC II 06 13 23 55.1–1.5 57.0S–.20 150.4W–.20 10–1 5.2b,4.4b
GCMT II 06 13 23 59.1–.30 57.02S–.04 150.88W–.05 27–0 5.0W,4.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s36,c41; s58,c69;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-4.59±.27 $M_{\theta\theta}$2.09±.24; $M_{\phi\phi}$2.51±.18; $M_{r\theta}$0.25±.40; $M_{\theta\phi}$-1.47±.11; $M_{\phi r}$0.58±.26; Best double couple: NP1:ϕ_s145.00000°,δ47.00000°,λ-82.00000°. NP2:ϕ_s313.00000°,δ43.00000°,λ-99.00000°. Principal axes: T 3.7940,Plg2.0000° ,Azm229.0000°; N 0.8740,Plg6.0000°,Azm320.0000°; P -4.6580,Plg84.0000°,Azm122.0000° $M_0$4.22600×10^{16}
IDC II 06 14 45 20.7–11 54.57S 151.97W 0 3.8,3.8b ¶610414980
IDC Error ellipse: s-maj=1047.0km s-min=95.5km az=165.0.
ISC II 06 18 23 22.0–.61 57.02S–.06 150.67W–.05 6–3 5.5b,4.4s 623 25-177
IDC II 06 18 23 21.3–.38 56.91S 150.82W 0 5.0,5.0b **¶610198071**
MOS II 06 18 23 21.8–.97 57.04S 150.56W 10 5.4b,5.0b
NEIC II 06 18 23 23.0–2.4 57.0S–.10 150.6W–.20 10–1 5.6b,5.3
BJI II 06 18 23 22.0–.00 57.00S 150.60W 10 5.7b,5.5s
GCMT II 06 18 23 27.0–.10 56.98S–.01 150.81W–.01 18–0 5.3W,5.5s
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.76 $M_{\theta\theta}$0.11 $M_{\phi\phi}$0.65 $M_{r\theta}$0.41 $M_{\theta\phi}$-0.46 $M_{\phi r}$0.52 NP1:ϕ_s304.80000°,δ43.41000°,λ-136.11000°. NP2:ϕ_s179.85000°,δ61.54000° ,λ-55.71000°. Principal axes: T 0.9610,Plg10.0000°,Azm246.0000°; N 0.1986,Plg30.0000° ,Azm342.0000°; P -1.1597,Plg58.0000°,Azm139.0000° $M_0$1.07000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s107,c163; s119,c203;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.24±.03 $M_{\theta\theta}$0.11±.02; $M_{\phi\phi}$1.13±.02; $M_{r\theta}$0.04±.05; $M_{\theta\phi}$-0.47±.01; $M_{\phi r}$0.34±.04; Best double couple: NP1:ϕ_s166.00000°,δ52.00000°,λ-81.00000°. NP2:ϕ_s331.00000°,δ39.00000°,λ-101.00000°. Principal axes: T 1.3510,Plg7.0000° ,Azm249.0000°; N -0.0550,Plg7.0000°,Azm340.0000°; P -1.2940,Plg80.0000° ,Azm117.0000° $M_0$1.32300×10^{17}
IDC II 07 00 11 21.7–21 55.27S 129.92W 0 3.7s,3.5 ¶610414995
IDC Error ellipse: s-maj=1159.0km s-min=144.0km az=135.0.
ISC II 07 15 43 43.4–.94 56.8S–.30 150.7W–.20 10 4.0b 9 26-149
IDC II 07 15 43 41.6–.85 56.77S 150.69W 0 3.9,3.9b **¶610415052**
ISC Event type ke.
IDC Error ellipse: s-maj=44.1km s-min=22.3km az=11.0.
IDC II 08 14 38 39.0–7.1 55.16S 151.37W 0 3.5,3.5b ¶610415126
IDC Error ellipse: s-maj=832.9km s-min=117.2km az=171.0.
ISC II 08 23 14 22.0–1.0 55.4S–.30 150.5W–.20 10 4.1b 7 35-149
IDC II 08 23 14 20.8–.92 55.49S 150.50W 0 3.9,3.9b **¶610415146**
ISC Event type ke.
IDC Error ellipse: s-maj=47.0km s-min=28.0km az=9.0.
ISC II 09 00 06 34.9–.96 56.9S–.80 150.9W–.20 10 4.4b,3.4s 7 26-149
IDC II 09 00 06 33.6–.87 56.95S 150.79W 0 4.3,4.3b **¶610272568**
ISC Event type ke.
IDC Error ellipse: s-maj=111.6km s-min=26.9km az=6.0.
IDC II 09 12 19 03.0–6.3 56.21S 151.03W 0 3.6,3.6b ¶610415171
IDC Error ellipse: s-maj=789.0km s-min=92.3km az=169.0.
ISC II 09 19 10 10.9–.33 57.05S–.08 150.65W–.07 10 5.2b,3.8s 158 26-174
IDC II 09 19 10 09.2–.41 56.85S 150.71W 0 4.7b,4.6 **¶610206167**
NEIC II 09 19 10 10.7–2.0 57.0S–.20 150.7W–.20 10–1 5.2b,4.6
BJI II 09 19 10 11.0–.00 57.20S 150.80W 20 5.5b,4.6
GCMT II 09 19 10 16.7–.20 57.03S–.02 150.74W–.03 19–0 5.1W,4.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s59,c75; s93,c129;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-4.21±.20 $M_{\theta\theta}$1.59±.16; $M_{\phi\phi}$2.63±.14; $M_{r\theta}$-1.59±.34; $M_{\theta\phi}$-2.88±.09; $M_{\phi r}$0.40±.27; Best double couple: NP1:ϕ_s127.00000°,δ55.00000°,λ-107.00000°. NP2:ϕ_s334.00000°,δ39.00000°,λ-68.00000°. Principal axes: T 5.2270,Plg8.0000° ,Azm229.0000°; N -0.5820,Plg14.0000°,Azm137.0000°; P -4.6350,Plg74.0000° ,Azm349.0000° $M_0$4.93100×10^{16}
ISC II 10 16 52 59.8–1.0 57.4S–.50 140.2W–.20 10 4.4b 8 37-155
IDC II 10 16 52 58.7–.98 57.21S 140.30W 0 4.4,4.4b **¶610415246**
ISC Event type ke.
IDC Error ellipse: s-maj=84.4km s-min=23.2km az=163.0.
ISC II 11 02 28 31.0–1.2 56S–1.0 150.7W–.20 10 4.0b,3.4s 7 27-149
IDC II 11 02 28 29.5–1.2 55.97S 150.64W 0 3.9,3.9b **¶610415274**
ISC Event type ke.
IDC Error ellipse: s-maj=178.3km s-min=29.5km az=178.0.
ISC II 11 04 27 59.3–.23 57.10S–.07 150.56W–.06 10 5.3b,4.0s 337 25-176
IDC II 11 04 27 57.3–.32 57.15S 150.72W 0 5.0,5.0b **¶610208126**
MOS II 11 04 27 58.4–1.1 57.18S 150.58W 10 5.3b,5.0b
NEIC II 11 04 27 59.9–2.1 57.1S–.10 150.6W–.20 10–1 5.4b,4.7
GCMT II 11 04 28 03.9–.20 57.05S–.02 150.62W–.02 20–0 5.1W,4.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s71,c99; s97,c146;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-5.26±.21 $M_{\theta\theta}$1.89±.17; $M_{\phi\phi}$3.36±.13; $M_{r\theta}$-1.62±.30; $M_{\theta\phi}$-3.22±.09; $M_{\phi r}$-0.12±.23; Best double couple: NP1:ϕ_s127.00000°,δ52.00000° ,λ-109.00000°. NP2:ϕ_s336.00000°,δ42.00000°,λ-68.00000°. Principal axes: T 6.0050,Plg5.0000°,Azm230.0000°; N -0.3250,Plg15.0000°,Azm139.0000° ; P -5.6900,Plg74.0000°,Azm338.0000° $M_0$5.84700×10^{16}
ISC II 11 06 16 18.4–.74 56.6S–.30 150.8W–.10 10 4.2b,3.3s 14 26-153
IDC II 11 06 16 17.1–.68 56.69S 150.81W 0 4.2,4.2b **¶610415286**
ISC Event type ke.
IDC Error ellipse: s-maj=41.5km s-min=18.6km az=10.0.
ISC II 11 22 06 49.8–1.0 56.7S–1.0 150.8W–.20 10 4.0b 6 28-149
IDC II 11 22 06 48.9–.93 56.63S 150.56W 0 3.9,3.9b **¶610415336**
ISC Event type ke.
IDC Error ellipse: s-maj=141.4km s-min=26.5km az=5.0.
ISC II 11 22 50 20.5–1.1 56.7S–.30 150.6W–.20 10 4.2b 8 33-152
IDC II 11 22 50 19.1–.93 56.73S 150.61W 0 4.1,4.1b **¶610415338**
ISC Event type ke.
IDC Error ellipse: s-maj=46.8km s-min=24.8km az=10.0.
IDC II 13 16 52 07.9–2.9 56.11S 151.34W 0 3.5,3.5b ¶610415461
IDC Error ellipse: s-maj=336.0km s-min=68.6km az=7.0.
IDC II 17 06 26 24.8–6.6 55.42S 151.43W 0 3.9,3.9b ¶610415668
IDC Error ellipse: s-maj=619.0km s-min=95.5km az=166.0.
ISC II 19 01 30 45.2–.96 57.0S–1.0 151.0W–.20 10 4.1b 7 42-152
IDC II 19 01 30 43.9–.86 57.08S 150.87W 0 4.1,4.1b **¶610415793**
ISC Event type ke.
IDC Error ellipse: s-maj=128.2km s-min=26.9km az=6.0.
ISC II 23 00 42 15.6–.25 58.37S–.06 139.57W–.06 10 5.1b,4.9s 342 26-172
IDC II 23 00 42 13.3–.36 58.31S 139.70W 0 4.9s,4.6 **¶610239663**
MOS II 23 00 42 14.8–1.0 58.49S 139.30W 10 5.2b,4.6
NEIC II 23 00 42 15.7–1.2 58.3S–.10 139.5W–.20 10–1 5.2b,4.6
GCMT II 23 00 42 20.7–.10 58.67S–.01 139.65W–.02 12 5.4W,4.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s111,c171; s146,c255;Duration: 1s2 Moment tensor: Scale 10^{17}Nm; M_{rr}1.63±.02 $M_{\theta\theta}$-1.22±.02; $M_{\phi\phi}$-0.41±.02; $M_{r\theta}$0.29±.05; $M_{\theta\phi}$-0.34±.02; $M_{\phi r}$-0.17±.05; Best double couple: NP1:ϕ_s78.00000°,δ50.00000°,λ100.00000°. NP2:ϕ_s243.00000°,δ41.00000°,λ79.00000°. Principal axes: T 1.6790,Plg82.0000° ,Azm42.0000°; N -0.3210,Plg7.0000°,Azm252.0000°; P -1.3600,Plg4.0000°,Azm161.0000° $M_0$1.51900×10^{17}

IDC II 23 11 20 18.0–16 57.16S 137.88W 0 4.0,4.0b ¶610384878
IDC Error ellipse: s-maj=430.6km s-min=44.7km az=51.0.
ISC II 24 02 56 12.8–.77 58.6S–.20 139.8W–.20 10 4.2b,3.8s 12 32-170
IDC II 24 02 56 11.3–.69 58.58S 139.81W 0 4.1,4.1b ¶610384915
ISC Event type ke.
IDC Error ellipse: s-maj=37.5km s-min=24.1km az=174.0.
IDC II 24 05 31 48.7–6.6 54.63S 143.85W 0 3.9,3.9b ¶610384918
IDC Error ellipse: s-maj=972.1km s-min=98.0km az=165.0.
GCMT II 26 09 54 03.0–.30 57.20S–.02 140.43W–.04 18–2 4.8W ¶610671170
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. Moment Tensor Solution. s15,c20; s71,c85;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.03±.12 $M_{\theta\theta}$1.47±.13; $M_{\phi\phi}$-1.44±.11; $M_{r\theta}$0.21±.25; $M_{\theta\phi}$1.24±.07; $M_{\phi r}$-0.03±.23; Best double couple: NP1:ϕ_s115.00000°,δ88.00000°,λ6.00000°. NP2:ϕ_s25.00000°,δ84.00000°,λ178.00000°. Principal axes: T 1.9450,Plg6.0000°,Azm340.0000°; N -0.0440,Plg84.0000°,Azm130.0000°; P -1.9020,Plg3.0000°,Azm250.0000° $M_0$1.92400×10^{16}
ISC III 01 02 48 34.0–.46 57.3S–.20 142.64W–.09 10 4.8s,4.7b 60 28-165
IDC III 01 02 48 33.3–.85 56.93S 143.11W 0 4.5s,4.1 ¶610245006
NEIC III 01 02 48 33.9 57.29S 142.63W 30 4.5s,4.1
NEIC III 01 02 48 33.9 57.19S 142.63W 30 4.5s,4.1
NEIC III 01 02 48 35.8–2.4 57.29S–.06 142.6W–.20 21–4 5.5,4.9
GCMT III 01 02 48 37.8–.10 56.77S–.01 142.18W–.01 19–0 5.4W,4.9
ISC Event type se.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2^{s}4 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.11 $M_{\theta\theta}$1.61 $M_{\phi\phi}$-1.50 $M_{r\theta}$1.11 $M_{\theta\phi}$1.22 $M_{\phi r}$0.09 NP1:ϕ_s117.12000°,δ81.33000°,λ23.70000°. NP2:ϕ_s23.34000°,δ66.58000°,λ170.54000°. Principal axes: T 2.4797,Plg23.0000°,Azm343.0000°; N -0.5117,Plg65.0000°,Azm136.0000°; P -1.9681,Plg10.0000°,Azm248.0000° $M_0$2.22000×10^{17}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s112,c179; s138,c235;Duration: 1^{s}2 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.09±.02 $M_{\theta\theta}$1.31±.03; $M_{\phi\phi}$-1.23±.02; $M_{r\theta}$0.17±.04; $M_{\theta\phi}$1.07±.02; $M_{\phi r}$-0.09±.04; Best double couple: NP1:ϕ_s295.00000°,δ89.00000°,λ-6.00000°. NP2:ϕ_s25.00000°,δ84.00000°,λ-179.00000°. Principal axes: T 1.7100,Plg4.0000°,Azm340.0000°; N -0.0820,Plg83.0000°,Azm109.0000°; P -1.6330,Plg5.0000°,Azm250.0000° $M_0$1.67100×10^{17}
ISC III 03 23 53 35.7–.35 54.91S–.09 129.64W–.07 10 5.1b,4.7s 132 30-168
IDC III 03 23 53 33.8–.53 55.00S 129.59W 0 4.5s,4.3 ¶610315696
NEIC III 03 23 53 36.2–.91 54.9S–.10 129.6W–.20 10–1 5.1b,4.3
GCMT III 03 23 53 40.2–.10 55.24S–.01 129.56W–.01 20–0 5.4W,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s109,c180; s142,c238;Duration: 1^{s}2 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.10±.02 $M_{\theta\theta}$0.92±.02; $M_{\phi\phi}$-0.82±.02; $M_{r\theta}$-0.17±.04; $M_{\theta\phi}$1.18±.02; $M_{\phi r}$0.06±.04; Best double couple: NP1:ϕ_s108.00000°,δ89.00000°,λ-7.00000°. NP2:ϕ_s198.00000°,δ83.00000°,λ-179.00000°. Principal axes: T 1.5260,Plg4.0000°,Azm153.0000°; N -0.0980,Plg83.0000°,Azm280.0000°; P -1.4290,Plg6.0000°,Azm63.0000° $M_0$1.47800×10^{17}
ISC III 04 00 14 54.2–.52 55.0S–.20 129.10W–.09 10 4.8b,4.0s 34 31-160
IDC III 04 00 14 54.0–.74 55.04S 129.19W 0 4.0,4.0b ¶610315697
NEIC III 04 00 14 54.1–2.0 55.0S–.10 129.1W–.20 10–1 5.0b,4.0b
GCMT III 04 00 15 01.2–.30 55.31S–.02 129.06W–.03 25–1 4.9W,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s17,c17; s83,c100;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.55±.19 $M_{\theta\theta}$2.21±.19; $M_{\phi\phi}$-1.65±.16; $M_{r\theta}$-0.67±.30; $M_{\theta\phi}$2.41±.09; $M_{\phi r}$0.51±.27; Best double couple: NP1:ϕ_s108.00000°,δ82.00000°,λ-16.00000°. NP2:ϕ_s200.00000°,δ74.00000°,λ-172.00000°. Principal axes: T 3.4050,Plg6.0000°,Azm155.0000°; N -0.3620,Plg72.0000°,Azm263.0000°; P -3.0360,Plg17.0000°,Azm63.0000° $M_0$3.22100×10^{16}
ISC III 04 10 35 43.9–.48 56.6S–.10 150.75W–.09 10 4.8b,3.5s 52 26-169
IDC III 04 10 35 42.7–.59 56.77S 150.68W 0 4.4,4.4b ¶610545518
NEIC III 04 10 35 44.4–.79 56.6S–.20 150.8W–.20 10–1 4.9b,4.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 05 12 22 16.4–.27 55.10S–.07 129.03W–.06 10 5.3s,5.2b 292 30-166
IDC III 05 12 22 15.6–.41 55.29S 128.83W 0 5.0s,4.6 ¶610245387
MOS III 05 12 22 16.1–1.4 55.35S 128.78W 11 5.3b,4.6
NEIC III 05 12 22 16.4–1.9 55.18S–.05 129.2W–.20 10–1 5.6,5.4
NEIC III 05 12 22 16.8 55.21S 129.00W 10 5.6,5.4
GCMT III 05 12 22 21.4–.10 55.44S–.01 128.81W–.01 18–0 5.7W,5.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.16 $M_{\theta\theta}$2.18 $M_{\phi\phi}$-2.02 $M_{r\theta}$-0.74 $M_{\theta\phi}$2.66 $M_{\phi r}$0.18 NP1:ϕ_s289.15000°,δ89.72000°,λ12.61000°. NP2:ϕ_s199.08000°,δ77.39000°,λ179.71000°. Principal axes: T 3.5650,Plg9.0000°,Azm155.0000°; N -0.1817,Plg77.0000°,Azm290.0000°; P -3.3833,Plg9.0000°,Azm63.0000° $M_0$3.48000×10^{17}
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s146,c271; s151,c306;Duration: 1^{s}7 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.74±.04 $M_{\theta\theta}$2.87±.04; $M_{\phi\phi}$-2.12±.04; $M_{r\theta}$-0.89±.10; $M_{\theta\phi}$3.38±.03; $M_{\phi r}$-0.43±.09; Best double couple: NP1:ϕ_s289.00000°,δ83.00000°,λ7.00000°. NP2:ϕ_s198.00000°,δ83.00000°,λ173.00000°. Principal axes: T 4.7540,Plg10.0000°,Azm153.0000°; N -0.9200,Plg80.0000°,Azm332.0000°; P -3.8260,Plg0.0000°,Azm63.0000° $M_0$4.29000×10^{17}
IDC III 05 18 49 17.9–15 55.57S 128.39W 0 3.7,3.7b ¶610315702
IDC Error ellipse: s-maj=1016.0km s-min=47.6km az=138.0.
IDC III 05 19 17 54.6–4.0 61.27S 150.90W 0 3.2,3.2b ¶610545603
IDC Error ellipse: s-maj=876.9km s-min=114.7km az=178.0.
ISC III 05 22 28 10.3–.28 58.35S–.09 139.66W–.07 10 5.1b,4.3s 307 27-170
IDC III 05 22 28 08.9–.42 58.42S 139.78W 0 4.6,4.6b ¶610245496
NEIC III 05 22 28 10.7–1.9 58.3S–.10 139.6W–.20 10–1 5.1b,4.6b
BJI III 05 22 28 11.0–.00 58.30S 139.70W 10 5.6b,5.4
ISC Event type se.
IDC Error ellipse: s-maj=25.7km s-min=14.7km az=178.0.
NEIC Event type se. Error ellipse: s-maj=23.1km s-min=16.9km az=3.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 08 14 03 30.5–.29 54.10S–.07 133.93W–.06 12 5.0b,4.7s 255 29-169
IDC III 08 14 03 28.5–.40 54.06S 134.11W 0 4.6s,4.6 ¶610274491
NEIC III 08 14 03 30.7–1.2 54.1S–.10 133.9W–.20 10–1 5.1b,4.6
BJI III 08 14 03 32.1–.00 54.10S 133.90W 25 5.3b,5.2s
GCMT III 08 14 03 33.7–.10 54.30S–.01 133.90W–.02 12 5.3W,5.2s
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s89,c136; s135,c229;Duration: 1^{s}1 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.98±.01 $M_{\theta\theta}$1.05±.01; $M_{\phi\phi}$-0.06±.01; $M_{r\theta}$0.19±.04; $M_{\theta\phi}$-0.05±.01; $M_{\phi r}$-0.17±.04; Best double couple: NP1:ϕ_s282.00000°,δ51.00000°,λ-78.00000°. NP2:ϕ_s83.00000°,δ40.00000°,λ-105.00000°. Principal axes: T 1.0710,Plg5.0000°,Azm3.0000°; N -0.0430,Plg9.0000°,Azm94.0000°; P -1.0230,Plg79.0000°,Azm243.0000° $M_0$1.04700×10^{17}
IDC III 09 00 51 24.1–1.3 54.56S 133.80W 0 3.8,3.8b ¶610545842
IDC Error ellipse: s-maj=452.3km s-min=33.6km az=168.0.
ISC III 10 01 03 42.5–3.5 54S–1.0 130W–1.0 10 7 41-158
IDC III 10 01 03 41.1–4.2 54.32S 129.93W 0 3.5,3.5b ¶610545913
ISC Event type ke.
IDC Error ellipse: s-maj=310.3km s-min=43.4km az=142.0.
ISC III 10 07 26 42.2–1.6 58.7S–.20 151.8W–.30 10 4.1b,4.1s 9 24-152
IDC III 10 07 26 37.1–1.3 60.59S 151.04W 0 4.0s,3.9 ¶610440741
GCMT III 10 07 26 42.0–.30 59.82S–.02 150.64W–.03 20–2 4.9W,3.9
ISC Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. Moment Tensor Solution. s33,c37; s81,c111;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.15±.14 $M_{\theta\theta}$2.43±.16; $M_{\phi\phi}$-2.28±.12; $M_{r\theta}$-1.33±.28; $M_{\theta\phi}$1.68±.08; $M_{\phi r}$0.03±.20; Best double couple: NP1:ϕ_s298.00000°,δ83.00000°,λ21.00000°. NP2:ϕ_s206.00000°,δ69.00000°,λ173.00000°. Principal axes: T 3.4150,Plg20.0000°,Azm164.0000°; N -0.5230,Plg68.0000°,Azm314.0000°; P -2.8940,Plg10.0000°,Azm70.0000° $M_0$3.15500×10^{16}
ISC III 10 09 29 54.5–.88 59.0S–.10 149.9W–.20 10 4.5b,4.1s 13 25-147
NEIC III 10 09 29 52.7–.16 58.7S–.30 150.0W–.30 10–2 4.6b,4.1s ¶610440742
IDC III 10 09 29 57.1–4.2 59.31S 150.25W 0 4.0s,4.0
GCMT III 10 09 30 03.7–.30 59.70S–.02 150.47W–.03 12 4.9W,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s22,c23; s79,c108;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.60±.11 $M_{\theta\theta}$2.69±.10; $M_{\phi\phi}$-2.09±.09; $M_{r\theta}$0.23±.26; $M_{\theta\phi}$1.18±.09; $M_{\phi r}$0.38±.29; Best double couple: NP1:ϕ_s212.00000°,δ86.00000°,λ-169.00000°. NP2:ϕ_s122.00000°,δ79.00000°,λ-4.00000°. Principal axes: T 2.9920,Plg5.0000°,Azm347.0000°; N -0.5720,Plg79.0000°,Azm231.0000°; P -2.4210,Plg10.0000°,Azm77.0000° $M_0$2.70600×10^{16}
ISC III 13 16 14 12.6–1.0 55.7S–.30 144.9W–.20 10 4.2b,3.9s 9 31-152
IDC III 13 16 14 11.4–.96 55.71S 144.93W 0 4.1,4.1b ¶610440746
ISC Event type ke.
IDC Error ellipse: s-maj=44.5km s-min=26.4km az=10.0.
ISC III 14 21 57 56.7–1.3 54.8S–.60 133.4W–.30 10 4.1b 6 39-158
IDC III 14 21 57 55.2–1.3 54.75S 133.43W 0 4.0,4.0b ¶610546219
ISC Event type ke.
IDC Error ellipse: s-maj=103.4km s-min=28.7km az=159.0.
IDC III 21 02 42 04.3–5.6 56.85S 150.78W 0 3.5,3.5b ¶610543369
IDC Error ellipse: s-maj=498.7km s-min=65.3km az=165.0.
IDC III 24 00 27 03.1–3.8 61.53S 155.09W 0 3.6s,3.6 ¶610543570
IDC Error ellipse: s-maj=800.2km s-min=89.7km az=4.0.
ISC IV 20 05 16 45.9–.90 55.0S–.20 129.5W–.20 10 4.0b,3.9s 8 31-159
IDC IV 20 05 16 44.3–.85 55.01S 129.49W 0 4.0,4.0b ¶610598415
ISC Event type ke.
IDC Error ellipse: s-maj=39.0km s-min=22.6km az=160.0.
ISC IV 26 22 28 30.7–.34 54.97S–.09 130.30W–.07 10 5.1s,4.9b 100 31-160
IDC IV 26 22 28 28.3–.55 55.07S 130.51W 0 4.7s,4.3 ¶610560079
NEIC IV 26 22 28 30.6–1.6 54.9S–.10 130.3W–.20 10–1 5.5,5.2
NEIC IV 26 22 28 31.3 54.89S 130.37W 10 5.5,5.2
GCMT IV 26 22 28 33.6–.10 55.00S–.01 130.69W–.01 19–0 5.5W,5.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.53 $M_{\theta\theta}$1.78 $M_{\phi\phi}$-1.25 $M_{r\theta}$-0.02 $M_{\theta\phi}$1.69 $M_{\phi r}$-0.15 NP1:ϕ_s21.04000°,δ87.68000°,λ-175.48000°. NP2:ϕ_s290.86000°,δ85.48000°,λ-2.32000°. Principal axes: T 2.5423,Plg2.0000°,Azm156.0000°; N -0.5206,Plg85.0000°,Azm48.0000°; P -2.0217,Plg5.0000°,Azm246.0000° $M_0$2.33000×10^{17}
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s129,c229; s147,c275;Duration: 1^{s}4 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.26±.02 $M_{\theta\theta}$1.54±.03; $M_{\phi\phi}$-1.28±.02; $M_{r\theta}$-0.22±.05; $M_{\theta\phi}$1.75±.02; $M_{\phi r}$0.11±.04; Best double couple: NP1:ϕ_s109.00000°,δ88.00000°,λ-7.00000°. NP2:ϕ_s200.00000°,δ83.00000°,λ-178.00000°. Principal axes: T 2.3860,Plg3.0000°,Azm155.0000°; N -0.2470,Plg83.0000°,Azm273.0000°; P -2.1380,Plg6.0000°,Azm64.0000° $M_0$2.26200×10^{17}
IDC IV 30 19 07 32.8–2.9 56.72S 150.84W 0 3.9,3.9b ¶610650442
IDC Error ellipse: s-maj=92.2km s-min=41.1km az=56.0.
ISC V 06 19 14 35.3–.65 62.7S–.10 158.3W–.10 10 4.7b,4.0s 31 19-154
IDC V 06 19 14 33.1–.72 62.54S 158.42W 0 4.3b,4.2 ¶610622990
NEIC V 06 19 14 36.2–.69 62.8S–.20 158.2W–.10 10–1 4.8b,4.2
GCMT V 06 19 14 41.2–.40 62.83S–.02 158.29W–.05 27–2 5.0W,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s15,c16; s66,c85;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.61±.25 $M_{\theta\theta}$3.77±.24; $M_{\phi\phi}$-3.16±.20; $M_{r\theta}$1.09±.34; $M_{\theta\phi}$0.31±.17; $M_{\phi r}$2.03±.41; Best double couple: NP1:ϕ_s225.00000°,δ81.00000°,λ-147.00000°. NP2:ϕ_s129.00000°,δ57.00000°,λ-11.00000°. Principal axes: T 4.1160,Plg16.0000°,Azm353.0000°; N 0.1720,Plg56.0000°,Azm239.0000°; P -4.2910,Plg29.0000°,Azm92.0000° $M_0$4.20400×10^{16}
IDC V 31 15 32 46.4–3.6 56.85S 142.93W 0 3.7,3.7b ¶610685802
IDC Error ellipse: s-maj=100.1km s-min=52.5km az=80.0.
ISC VI 09 23 22 14.6–.63 54.3S–.20 135.6W–.10 10 5.1b,3.9s 19 28-156
NEIC VI 09 23 22 15.0–2.1 54.3S–.10 135.6W–.20 10–1 5.2b,3.9s ¶610791559
IDC VI 09 23 22 20.6–1.2 54.87S 135.47W 0 4.0,4.0b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=25.3km s-min=18.3km az=171.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=157.8km s-min=31.4km az=169.0.
ISC VI 10 05 42 13.9–.18 54.29S–.06 146.58W–.04 10 5.6b,5.3s 1105 22-178
MOS VI 10 05 42 12.5–.82 54.35S 146.67W 10 5.8b,5.3s ¶615092695
IDC VI 10 05 42 12.0–.27 54.22S 146.78W 0 5.1s,5.1
NEIC VI 10 05 42 14.5–.93 54.30S–.10 146.6W–.20 10–0 5.7b,5.6
NEIC VI 10 05 42 14.5 54.53S 147.32W 18 5.7b,5.6
NEIC VI 10 05 42 14.5 54.33S 146.63W 18 5.7b,5.6
BJI VI 10 05 42 15.0–.00 54.40S 146.70W 25 5.9b,5.5s
GCMT VI 10 05 42 16.5–.10 54.44S–.01 146.90W–.01 12 5.6W,5.5s
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution.Duration: 3^{s}9 Moment tensor: Scale 10^{17}Nm; M_{rr}3.05 $M_{\theta\theta}$-0.04 $M_{\phi\phi}$-3.02 $M_{r\theta}$-1.65 $M_{\theta\phi}$-0.97 $M_{\phi r}$-0.93 NP1:ϕ_s216.34000°,δ59.89000°,λ111.72000°. NP2:ϕ_s357.90000°,δ36.52000°,λ57.46000°. Principal axes: T 3.8004,Plg67.0000°,Azm169.0000°; N -0.1968,Plg19.0000°,Azm25.0000°; P -3.6036,Plg12.0000°,Azm291.0000° $M_0$3.70000×10^{17}
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s132,c244; s145,c278;Duration: 1^{s}6 Moment tensor: Scale 10^{17}Nm; M_{rr}3.23±.03 $M_{\theta\theta}$-0.73±.04; $M_{\phi\phi}$-2.50±.03; $M_{r\theta}$-0.33±.09; $M_{\theta\phi}$-1.28±.03; $M_{\phi r}$-0.60±.08; Best double couple: NP1:ϕ_s208.00000°,δ51.00000°,λ90.00000°. NP2:ϕ_s27.00000°,δ39.00000°,λ90.00000°. Principal axes: T 3.3030,Plg84.0000°,Azm120.0000°; N -0.0620,Plg0.0000°,Azm28.0000°; P -3.2450,Plg6.0000°,Azm298.0000° $M_0$3.27400×10^{17}
ISC VI 14 04 49 30.8–.97 64.9S–.20 173.1W–.20 10 4.0b,3.7s 9 15-154
IDC VI 14 04 49 29.4–.95 64.95S 173.09W 0 3.9,3.9b ¶610791828
ISC Event type ke.
IDC Error ellipse: s-maj=40.3km s-min=30.6km az=64.0.
ISC VI 16 18 51 21.9–.83 62.7S–.10 161.5W–.10 10 4.3b,4.0s 23 18-153
NEIC VI 16 18 51 19.0–.39 62.6S–.20 160.9W–.30 10–2 4.4b,4.0s ¶610792020
IDC VI 16 18 51 21.4–.86 62.78S 161.47W 0 4.0s,4.0
GCMT VI 16 18 51 28.0–.40 62.74S–.02 161.00W–.06 26–1 5.0W,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s16,c16; s70,c89;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.28±.25 $M_{\theta\theta}$3.61±.22; $M_{\phi\phi}$-2.33±.17; $M_{r\theta}$0.23±.30;

$M_{\theta\phi}$0.89±.15; $M_{\phi r}$1.29±.36; Best double couple: NP1:ϕ_s222.00000°,δ71.00000°,λ-152.00000°. NP2:ϕ_s122.00000°,δ64.00000°,λ-21.00000°. Principal axes: T 3.7760,Plg5.0000°,Azm351.0000°; N -0.5220,Plg57.0000°,Azm253.0000°; P -3.2540,Plg33.0000°,Azm84.0000° $M_0$3.51500×10^{16}
ISC VI 16 19 37 25.6–.30 62.84S–.07 161.18W–.06 10 5.5s,5.2b 208 18-168
IDC VI 16 19 37 23.2–.60 62.60S 161.42W 0 5.2s,4.5b **¶610678712**
MOS VI 16 19 37 25.2–1.0 62.84S 161.29W 19 5.3b,5.3s
NEIC VI 16 19 37 25.3–1.8 62.74S–.09 161.1W–.20 10–1 5.7,5.6
NEIC VI 16 19 37 26.8 62.83S 161.07W 10 5.7,5.6
NEIC VI 16 19 37 27 62.77S 161.04W 22 5.7,5.6
NEIC VI 16 19 37 27 62.57S 161.04W 22 5.7,5.6
GCMT VI 16 19 37 31.3–.10 62.75S–.01 161.34W–.01 12 5.6W,5.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.11 $M_{\theta\theta}$2.86 $M_{\phi\phi}$-2.96 $M_{r\theta}$-0.16 $M_{\theta\phi}$0.63 $M_{\phi r}$-1.54 NP1:ϕ_s306.49000°,δ69.05000°,λ-10.68000°. NP2:ϕ_s40.34000°,δ80.04000°,λ-158.71000°. Principal axes: T 2.9658,Plg7.0000°,Azm172.0000°; N 0.6781,Plg67.0000°,Azm64.0000°; P -3.6439,Plg22.0000°,Azm265.0000° $M_0$3.36000×10^{17}
NEIC Event type se.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 3^{s}3 Moment tensor: Scale 10^{17}Nm; M_{rr}0.29 $M_{\theta\theta}$3.85 $M_{\phi\phi}$-4.14 $M_{r\theta}$1.15 $M_{\theta\phi}$1.48 $M_{\phi r}$-0.72 NP1:ϕ_s125.31000°,δ87.66000°,λ17.84000°. NP2:ϕ_s34.55000°,δ72.18000°,λ177.54000°. Principal axes: T 4.3727,Plg14.0000°,Azm351.0000°; N 0.2098,Plg72.0000°,Azm133.0000°; P -4.5825,Plg11.0000°,Azm259.0000° $M_0$4.48000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s140,c254; s149,c297;Duration: 1^{s}6 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.41±.03 $M_{\theta\theta}$3.48±.03; $M_{\phi\phi}$-3.07±.03; $M_{r\theta}$-0.73±.09; $M_{\theta\phi}$1.05±.03; $M_{\phi r}$-0.03±.09; Best double couple: NP1:ϕ_s306.00000°,δ84.00000°,λ8.00000°. NP2:ϕ_s216.00000°,δ82.00000°,λ174.00000°. Principal axes: T 3.7690,Plg10.0000°,Azm171.0000°; N -0.5360,Plg80.0000°,Azm341.0000°; P -3.2370,Plg2.0000°,Azm81.0000° $M_0$3.50300×10^{17}
ISC VI 17 01 30 40.1–1.2 62.5S–.90 161.5W–.30 10 4.0s,3.9b 7 46-153
IDC VI 17 01 30 38.6–1.3 62.24S 161.27W 0 4.0,4.0b **¶610792038**
ISC Event type ke.
IDC Error ellipse: s-maj=140.2km s-min=28.8km az=16.0.
ISC VI 24 23 57 59.7–1.1 62.6S–.20 158.3W–.20 10 4.2b,3.9s 14 19-98
IDC VI 24 23 57 58.1–1.2 62.39S 158.28W 0 3.9b,3.8s **¶610789411**
NEIC VI 24 23 58 02.2–.55 62.9S–.10 157.7W–.50 10–2 4.4b,3.8s
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(692) Southern Pacific Ocean.

ISC II 07 14 34 50.8–.51 59.15S–.07 76.86W–.10 10 4.7b 70 6-169
IDC II 07 14 34 49.0–.57 59.22S 77.08W 0 4.5b,4.4 **¶610415050**
NEIC II 07 14 34 53.1–1.5 59.12S–.08 76.8W–.30 14–5 4.9b,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(756) Southeast of Easter Island.

ISC I 04 00 08 58.7–.63 41.1S–.10 91.6W–.10 10 4.6b 59 12-167
IDC I 04 00 08 57.6–.72 41.10S 91.74W 0 4.8s,4.0 **¶610236633**
NEIC I 04 00 08 58.9–1.5 41.1S–.20 91.70W–.06 10–1 4.7b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 22 08 05 00.3–.81 36.1S–.10 104.7W–.10 10 4.7b 51 10-161
NEIC I 22 08 04 59.2–1.4 36.23S–.10 104.7W–.20 10–1 4.7b **¶610235089**
IDC I 22 08 05 00.8–.83 35.66S 104.71W 0 4.2b,4.1
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=30.7km s-min=15.8km az=258.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=27.9km s-min=23.8km az=75.0.
ISC I 22 17 14 53.6–.41 36.01S–.08 100.15W–.08 14 5.0b,4.6s 201 12-170
MOS I 22 17 14 51.9–1.2 35.99S 100.14W 7 5.0b,4.6s **¶610105098**
IDC I 22 17 14 51.3–.56 36.12S 100.24W 0 4.6s,4.6
NEIC I 22 17 14 56.8–2.5 35.4S–.10 99.4W–.20 10–1 5.1b,4.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 18 02 43 29.1–.36 35.64S–.08 102.86W–.06 10 4.8b,4.3s 158 10-168
IDC II 18 02 43 26.9–.57 35.75S 102.85W 0 4.5,4.5b **¶610228743**
NEIC II 18 02 43 31.1–1.5 35.5S–.10 102.8W–.20 10–1 4.8b,4.5b
GCMT II 18 02 43 31.1–.20 35.89S–.01 102.97W–.01 17–0 5.2W,4.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s86,c131; s136,c220;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.23±.13 $M_{\theta\theta}$-1.59±.12; $M_{\phi\phi}$1.82±.12; $M_{r\theta}$0.30±.29; $M_{\theta\phi}$-6.58±.12; $M_{\phi r}$-1.25±.31; Best double couple: NP1:ϕ_s187.00000°,δ87.00000°,λ10.00000°. NP2:ϕ_s97.00000°,δ80.00000°,λ177.00000°. Principal axes: T 7.1000,Plg9.0000°,Azm53.0000°; N -0.3780,Plg80.0000°,Azm205.0000°; P -6.7260,Plg5.0000°,Azm322.0000° $M_0$6.91300×10^{16}
ISC III 06 23 28 08.4–.52 35.35S–.09 104.70W–.09 10 4.8b,4.2s 71 9-154
IDC III 06 23 28 05.4–.73 35.43S 105.08W 0 4.3b,4.2 **¶610315705**
NEIC III 06 23 28 09.8–1.3 35.30S–.10 104.7W–.10 10–1 4.9b,4.2
GCMT III 06 23 28 11.8–.20 35.37S–.01 104.94W–.01 22–1 5.1W,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s50,c60; s126,c182;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.95±.18 $M_{\theta\theta}$-0.98±.14; $M_{\phi\phi}$1.94±.14; $M_{r\theta}$-0.29±.22; $M_{\theta\phi}$-4.48±.11; $M_{\phi r}$-1.16±.23; Best double couple: NP1:ϕ_s8.00000°,δ85.00000°,λ-16.00000°. NP2:ϕ_s100.00000°,δ74.00000°,λ-174.00000°. Principal axes: T 5.2860,Plg7.0000°,Azm55.0000°; N -0.8040,Plg73.0000°,Azm170.0000°; P -4.4790,Plg15.0000°,Azm323.0000° $M_0$4.88200×10^{16}
IDC III 08 10 15 44.2–3.2 36.15S 98.20W 0 3.9,3.8b ¶610545796
IDC Error ellipse: s-maj=92.4km s-min=30.1km az=30.0.
IDC III 08 11 45 55.5–19 36.22S 98.28W 0 3.8,3.8b ¶610545805
IDC Error ellipse: s-maj=552.9km s-min=48.1km az=7.0.
IDC III 11 18 02 50.6–13 38.14S 95.65W 0 3.8s,3.8 ¶610546029
IDC Error ellipse: s-maj=361.9km s-min=53.0km az=4.0.
ISC III 19 04 49 58.9–3.0 41.4S–.50 90.6W–.20 10 4.1s,3.6b 7 12-99
IDC III 19 04 49 59.9–4.3 40.95S 90.64W 0 4.0s,3.7 **¶610546489**
GCMT III 19 04 50 00.0–.20 41.25S–.01 90.95W–.02 22–1 5.0W,3.7
ISC Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. Moment Tensor Solution. s45,c50; s109,c152;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.24±.20 $M_{\theta\theta}$0.71±.15; $M_{\phi\phi}$0.53±.14; $M_{r\theta}$-1.06±.23; $M_{\theta\phi}$-3.99±.10; $M_{\phi r}$0.35±.20; Best double couple: NP1:ϕ_s90.00000°,δ88.00000°,λ-164.00000°. NP2:ϕ_s360.00000°,δ74.00000°,λ-3.00000°. Principal axes: T 4.7780,Plg10.0000°,Azm224.0000°; N -1.2950,Plg74.0000°,Azm99.0000°; P -3.4850,Plg13.0000°,Azm316.0000° $M_0$4.13200×10^{16}
ISC III 20 07 24 40.6–.63 36.10S–.09 100.4W–.10 16 4.7b,4.2s 73 12-151
NEIC III 20 07 24 39.5–2.2 36.1S–.10 100.5W–.10 10–1 4.7b,4.2s **¶610440764**
IDC III 20 07 24 40.3–1.1 36.14S 100.37W 0 4.1s,3.9
GCMT III 20 07 24 44.5–.20 36.19S–.01 100.47W–.01 17–1 5.1W,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s56,c70; s127,c186;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.61±.13 $M_{\theta\theta}$-0.83±.11; $M_{\phi\phi}$1.44±.11; $M_{r\theta}$1.52±.30; $M_{\theta\phi}$-4.55±.10; $M_{\phi r}$-0.12±.26; Best double couple: NP1:ϕ_s278.00000°,δ86.00000°,λ-161.00000°. NP2:ϕ_s187.00000°,δ71.00000°,λ-4.00000°. Principal axes: T 5.1810,Plg10.0000°,Azm51.0000°; N -0.4760,Plg71.0000°,Azm289.0000°; P -4.7020,Plg16.0000°,Azm144.0000° $M_0$4.94200×10^{16}
ISC IV 01 11 21 54.6–1.9 37.8S–.40 95.5W–.30 10 4.1b,3.7s 8 20-171
IDC IV 01 11 21 54.4–2.3 37.62S 95.45W 0 4.1b,4.0 **¶610651697**
ISC Event type ke.
IDC Error ellipse: s-maj=72.8km s-min=33.3km az=28.0.
ISC IV 20 22 04 13.2–.31 36.32S–.06 98.49W–.06 10 5.1s,5.0b 398 13-171
IDC IV 20 22 04 08.6–.55 36.20S 99.12W 0 4.8s,4.6 **¶610546559**
GCMT IV 20 22 04 11.9–.10 36.34S–.01 99.11W–.01 18–0 5.6W,4.6
MOS IV 20 22 04 12.2–1.3 36.58S 98.75W 22 5.1b,4.9s
NEIC IV 20 22 04 14.9–1.7 36.29S–.10 98.4W–.10 10–1 5.5,5.1
NEIC IV 20 22 04 15.6 36.30S 98.44W 10 5.5,5.1
ISC Event type se.
IDC Error ellipse: s-maj=18.4km s-min=16.8km az=110.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s140,c255; s164,c330;Duration: 1^{s}5 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.17±.03 $M_{\theta\theta}$-0.39±.03; $M_{\phi\phi}$0.56±.03; $M_{r\theta}$0.18±.07; $M_{\theta\phi}$-2.84±.03; $M_{\phi r}$-0.30±.07; Best double couple: NP1:ϕ_s185.00000°,δ86.00000°,λ5.00000°. NP2:ϕ_s95.00000°,δ85.00000°,λ176.00000°. Principal axes: T 3.0030,Plg6.0000°,Azm50.0000°; N -0.2070,Plg84.0000°,Azm219.0000°; P -2.7970,Plg1.0000°,Azm320.0000° $M_0$2.90000×10^{17}
MOS Error ellipse: s-maj=14.4km s-min=9.7km az=78.8.
NEIC Event type se. Error ellipse: s-maj=17.0km s-min=16.1km az=246.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.56 $M_{\theta\theta}$0.14 $M_{\phi\phi}$-0.70 $M_{r\theta}$0.14 $M_{\theta\phi}$-2.48 $M_{\phi r}$-0.39 NP1:ϕ_s84.73000°,δ79.14000°,λ174.26000°. NP2:ϕ_s175.81000°,δ84.36000°,λ10.91000°. Principal axes: T 2.3046,Plg12.0000°,Azm41.0000°; N 0.5039,Plg78.0000°,Azm203.0000°; P -2.8085,Plg4.0000°,Azm310.0000° $M_0$2.59000×10^{17}
NEIC Event type se.
IDC V 23 12 54 35.5–1.7 36.40S 98.43W 0 4.0,4.0b ¶610685217
IDC Error ellipse: s-maj=54.5km s-min=28.9km az=52.0.
ISC VI 14 20 00 41.2–2.5 36.2S–.40 99.0W–.30 10 4.4b,3.9s 16 17-103
IDC VI 14 20 00 40.0–3.4 36.06S 99.15W 0 3.8s,3.8 **¶610791887**
NEIC VI 14 20 00 41.5–1.4 36.31S–.08 99.0W–.20 10–2 4.4b,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 25 09 45 50.2–.28 41.24S–.06 90.75W–.06 10 5.1b,4.8s 426 12-177
IDC VI 25 09 45 48.1–.51 41.27S 90.54W 0 4.7s,4.5 **¶610694603**
MOS VI 25 09 45 49.6–1.5 41.19S 90.57W 10 5.2b,4.5
NEIC VI 25 09 45 51.2–2.2 41.28S–.09 90.6W–.20 10–1 5.1b,4.5
GCMT VI 25 09 45 53.2–.10 41.20S–.01 90.51W–.01 14–0 5.4W,4.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s122,c192; s155,c276;Duration: 1^{s}2 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.19±.02 $M_{\theta\theta}$0.25±.02; $M_{\phi\phi}$-0.05±.02; $M_{r\theta}$0.08±.04; $M_{\theta\phi}$-1.57±.02; $M_{\phi r}$-0.11±.04; Best double couple: NP1:ϕ_s177.00000°,δ88.00000°,λ4.00000°. NP2:ϕ_s87.00000°,δ86.00000°,λ178.00000°. Principal axes: T 1.6810,Plg4.0000°,Azm42.0000°; N -0.1970,Plg86.0000°,Azm207.0000°; P -1.4840,Plg1.0000°,Azm312.0000° $M_0$1.58300×10^{17}

SEISMIC REGION 44.
Galapagos Area.

(694) Central East Pacific Rise.

ISC I 12 00 06 49.1–2.9 10.6S–.40 108W–1.0 10 4.0s,3.4b 7 31-153
IDC I 12 00 06 47.5–4.8 10.59S 108.31W 0 3.9s,3.5 **¶610237214**
ISC Event type ke.
IDC Error ellipse: s-maj=278.8km s-min=66.3km az=101.0.
ISC I 13 17 02 29.5–.50 9.01S–.07 109.6W–.10 20 4.8b,4.3s 187 18-151
IDC I 13 17 02 26.0–1.1 9.01S 109.59W 0 4.2s,4.1 **¶610237305**
NEIC I 13 17 02 29.0–1.5 9.0S–.10 109.6W–.10 10–1 4.8b,4.1
GCMT I 13 17 02 31.0–.40 8.88S–.02 109.58W–.02 18–1 5.0W,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s18,c24; s83,c104;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.26±.17 $M_{\theta\theta}$-0.90±.18; $M_{\phi\phi}$0.64±.16; $M_{r\theta}$-0.15±.33; $M_{\theta\phi}$3.26±.14; $M_{\phi r}$-0.09±.34; Best double couple: NP1:ϕ_s263.00000°,δ88.00000°,λ3.00000°. NP2:ϕ_s173.00000°,δ87.00000°,λ178.00000°. Principal axes: T 3.2290,Plg3.0000°,Azm128.0000°; N 0.2520,Plg87.0000°,Azm291.0000°; P -3.4810,Plg1.0000°,Azm38.0000° $M_0$3.35500×10^{16}
ISC I 15 19 59 07.5–.78 4.0S–.10 102.7W–.20 10 4.4b,3.9s 44 22-154
IDC I 15 19 59 05.9–.85 4.01S 102.84W 0 4.0,4.0b **¶610237454**
NEIC I 15 19 59 08.3–1.3 3.9S–.10 102.7W–.20 10–2 4.5b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 03 19 20 07.2–.76 9.4S–.10 108.7W–.20 10 4.6b,4.0s 83 18-152
IDC II 03 19 20 05.1–1.1 8.99S 108.62W 0 4.1s,3.8 **¶610414759**
NEIC II 03 19 20 09.4–2.2 9.3S–.10 108.5W–.20 10–1 4.6b,3.8
GCMT II 03 19 20 09.4–.40 9.10S–.03 108.54W–.02 19–2 4.9W,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s16,c18; s69,c82;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.69±.15 $M_{\theta\theta}$0.66±.13; $M_{\phi\phi}$0.03±.12; $M_{r\theta}$-0.70±.27; $M_{\theta\phi}$2.42±.12; $M_{\phi r}$-1.63±.37; Best double couple: NP1:ϕ_s8.00000°,δ85.00000°,λ-143.00000°. NP2:ϕ_s275.00000°,δ53.00000°,λ-6.00000°. Principal axes: T 3.4230,Plg22.0000°,Azm136.0000°; N -0.8970,Plg52.0000°,Azm14.0000°; P -2.5270,Plg29.0000°,Azm238.0000° $M_0$2.97500×10^{16}
ISC II 06 08 50 34.1–.65 9.8S–.10 109.0W–.10 10 4.4b,4.0s 46 17-152
IDC II 06 08 50 32.4–1.5 9.70S 109.14W 0 4.0s,3.7 **¶610414950**
NEIC II 06 08 50 35.3–2.4 9.8S–.10 109.0W–.10 10–1 4.6b,3.7
GCMT II 06 08 50 39.3–.40 9.10S–.02 108.44W–.02 16–1 4.8W,3.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s13,c14; s77,c93;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.07±.09 $M_{\theta\theta}$-0.09±.09; $M_{\phi\phi}$0.16±.08; $M_{r\theta}$0.57±.25; $M_{\theta\phi}$1.86±.08; $M_{\phi r}$-1.28±.34; Best double couple: NP1:ϕ_s359.00000°,δ83.00000°,λ-146.00000°. NP2:ϕ_s264.00000°,δ57.00000°,λ-8.00000°. Principal axes: T 2.0730,Plg18.0000°,Azm127.0000°; N 0.4550,Plg56.0000°,Azm9.0000°; P -2.5270,Plg28.0000°,Azm227.0000° $M_0$2.30000×10^{16}
ISC II 06 10 16 24.2–.83 9.0S–.10 108.3W–.20 15 4.3s,4.3b 42 20-152
IDC II 06 10 16 22.1–1.3 8.69S 108.14W 0 4.3s,3.8 **¶610414960**
NEIC II 06 10 16 24.9–1.9 8.99S–.09 108.3W–.20 10–1 4.5b,3.8
GCMT II 06 10 16 24.9–.20 8.98S–.01 108.53W–.01 17–1 5.1W,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s65,c90; s127,c183;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.32±.14 $M_{\theta\theta}$-0.96±.14; $M_{\phi\phi}$0.63±.14; $M_{r\theta}$-0.79±.34; $M_{\theta\phi}$5.56±.12; $M_{\phi r}$-0.34±.34; Best double couple: NP1:ϕ_s266.00000°,δ87.00000°,λ8.00000°. NP2:ϕ_s176.00000°,δ82.00000°,λ177.00000°. Principal axes: T 5.5710,Plg8.0000°,Azm131.0000°; N 0.2290,Plg81.0000°,Azm288.0000°; P -5.8000,Plg4.0000°,Azm41.0000° $M_0$5.68600×10^{16}
ISC II 08 11 30 45.2–3.7 9.3S–.50 108.7W–1.0 10 3.7b 7 36-152
IDC II 08 11 30 44.8–3.8 9.10S 108.78W 0 3.7,3.7b **¶610415116**
ISC Event type ke.
IDC Error ellipse: s-maj=177.5km s-min=48.6km az=112.0.

ISC II 17 19 31 34.9–.59 13.43S–.10 111.8W–.10 10 4.7b,4.4s 257 14-150
IDC II 17 19 31 33.5–1.0 13.34S 111.87W 0 4.3s,4.1 ¶610228731
NEIC II 17 19 31 35.7–1.6 13.5S–.10 111.8W–.10 10–1 4.7b,4.1
GCMT II 17 19 31 37.7–.20 13.37S–.01 112.04W–.01 22–1 5.1W,4.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s61,c81; s126,c171;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.17±.14 $M_{\theta\theta}$1.06±.14; $M_{\phi\phi}$0.10±.13; $M_{r\theta}$-0.25±.21; $M_{\theta\phi}$5.81±.12; $M_{\phi r}$-0.20±.22; Best double couple: NP1:ϕ_s272.00000°,δ89.00000°,λ2.00000°. NP2:ϕ_s182.00000°,δ88.00000°,λ179.00000°. Principal axes: T 6.4260,Plg2.0000° ,Azm137.0000°; N -1.1830,Plg88.0000°,Azm309.0000°; P -5.2470,Plg0.0000°,Azm47.0000° $M_0$5.83600×10^{16}
ISC III 11 05 23 09.6–2.5 4.9S–.40 106.0W–.70 10 3.8b,3.7s 8 22-98
IDC III 11 05 23 07.9–2.6 4.89S 106.03W 0 3.7s,3.7 ¶610440744
ISC Event type ke.
IDC Error ellipse: s-maj=126.4km s-min=22.1km az=59.0.
ISC III 11 07 02 09.6–.45 4.80S–.08 105.61W–.08 10 4.9b,4.4s 327 22-152
IDC III 11 07 02 07.6–.95 4.68S 105.66W 0 4.4s,4.3 ¶610323208
NEIC III 11 07 02 10.3–1.2 4.8S–.10 105.7W–.20 10–1 4.9b,4.3
GCMT III 11 07 02 12.3–.20 4.51S–.01 105.54W–.01 16–1 5.0W,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s70,c92; s123,c192;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.55±.11 $M_{\theta\theta}$1.15±.10; $M_{\phi\phi}$-1.71±.11; $M_{r\theta}$1.06±.27; $M_{\theta\phi}$4.01±.09; $M_{\phi r}$-0.99±.28; Best double couple: NP1:ϕ_s279.00000°,δ83.00000°,λ-14.00000°. NP2:ϕ_s11.00000°,δ76.00000°,λ-173.00000°. Principal axes: T 4.0050,Plg5.0000° ,Azm326.0000°; N 0.8970,Plg74.0000°,Azm75.0000°; P -4.9070,Plg15.0000°,Azm234.0000° $M_0$4.45600×10^{16}
IDC III 11 22 08 42.5–13 4.19S 102.70W 0 3.6s,3.6 ¶610546040
IDC Error ellipse: s-maj=499.2km s-min=181.2km az=110.0.
ISC III 17 18 46 51.5–3.9 13.9S–.60 111W–1.0 10 3.8s,3.4b 6 33-151
IDC III 17 18 46 51.3–5.0 13.67S 111.52W 0 3.8s,3.2 ¶610546405
ISC Event type ke.
IDC Error ellipse: s-maj=273.4km s-min=50.9km az=112.0.
IDC IV 04 11 06 12.8–14 4.11S 102.41W 0 4.1s,3.5
GCMT IV 04 11 06 21.0–.60 3.68S–.03 103.58W–.03 18–2 4.8W,3.5 ¶610651906
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. Moment Tensor Solution. s20,c22; s73,c90;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.31±.13 $M_{\theta\theta}$1.02±.14; $M_{\phi\phi}$-0.70±.12; $M_{r\theta}$0.43±.28; $M_{\theta\phi}$2.10±.11; $M_{\phi r}$-0.26±.24; Best double couple: NP1:ϕ_s280.00000°,δ84.00000° ,λ-13.00000°. NP2:ϕ_s12.00000°,δ77.00000°,λ-174.00000°. Principal axes: T 2.4440,Plg4.0000°,Azm327.0000°; N -0.2210,Plg76.0000°,Azm74.0000° ; P -2.2200,Plg13.0000°,Azm236.0000° $M_0$2.33200×10^{16}
IDC IV 04 11 12 11.3–12 0.06S 100.90W 0 3.2,3.2b
GCMT IV 04 11 12 02.0–.50 3.66S–.02 103.52W–.03 15–2 4.8W,3.2b ¶610651907
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. Moment Tensor Solution. s8,c8; s88,c116;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.09±.10 $M_{\theta\theta}$-0.21±.09; $M_{\phi\phi}$0.11±.09; $M_{r\theta}$0.36±.21; $M_{\theta\phi}$2.02±.10; $M_{\phi r}$-0.59±.22; Best double couple: NP1:ϕ_s358.00000°,δ83.00000° ,λ-164.00000°. NP2:ϕ_s267.00000°,δ74.00000°,λ-7.00000°. Principal axes: T 2.0010,Plg6.0000°,Azm132.0000°; N 0.2630,Plg73.0000°,Azm21.0000° ; P -2.2640,Plg16.0000°,Azm223.0000° $M_0$2.13200×10^{16}
ISC IV 07 06 28 08.5–7.7 4S–1.0 103W–1.0 10 3.8b,3.6s 6 23-91
IDC IV 07 06 28 05.3–8.2 4.21S 102.96W 0 3.7s,3.6 ¶610652128
ISC Event type ke.
IDC Error ellipse: s-maj=253.6km s-min=112.4km az=120.0.
IDC IV 07 11 32 17.2–14 3.24S 102.59W 0 3.3,3.3b ¶610652151
IDC Error ellipse: s-maj=527.8km s-min=198.3km az=111.0.
ISC IV 16 11 06 11.4–4.9 5.3S–.90 105.4W–.90 10 4.1s,3.6b 6 44-90
IDC IV 16 11 06 11.9–4.8 4.88S 105.02W 0 4.0s,3.6 ¶610652865
ISC Event type ke.
IDC Error ellipse: s-maj=185.1km s-min=33.8km az=46.0.
IDC IV 16 12 40 20.2–13 4.12S 104.01W 0 3.4s,3.4 ¶610652868
IDC Error ellipse: s-maj=518.0km s-min=182.6km az=111.0.
ISC IV 16 19 47 44.8–.79 3.6S–.10 102.8W–.10 10 4.3b,3.7s 58 13-133
IDC IV 16 19 47 42.0–1.6 3.57S 103.05W 0 3.8s,3.7 ¶610652884
NEIC IV 16 19 47 45.4–2.4 3.7S–.10 102.7W–.10 10–1 4.4b,3.7
GCMT IV 16 19 47 50.0–.70 3.59S–.03 102.99W–.04 26–2 4.8W,3.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. Moment Tensor Solution. s27,c27; s71,c89;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.35±.14 $M_{\theta\theta}$0.26±.13; $M_{\phi\phi}$0.09±.12; $M_{r\theta}$0.54±.25; $M_{\theta\phi}$1.89±.09; $M_{\phi r}$0.29±.22; Best double couple: NP1:ϕ_s91.00000°,δ86.00000° ,λ14.00000°. NP2:ϕ_s0.00000°,δ76.00000°,λ176.00000°. Principal axes: T 2.2010,Plg13.0000°,Azm317.0000°; N -0.4620,Plg75.0000°,Azm107.0000° ; P -1.7390,Plg7.0000°,Azm225.0000° $M_0$1.97000×10^{16}
ISC IV 16 19 50 24.0–1.1 3.6S–.10 102.9W–.20 10 4.3b 41 21-154
IDC IV 16 19 50 21.2–1.4 3.86S 103.23W 0 3.8,3.8b ¶610652885
NEIC IV 16 19 50 26.8–2.9 3.4S–.20 102.76W–.05 10–2 4.5b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IV 28 03 12 47.6–11 14.70S 112.56W 0 3.5s,3.3 ¶610650185
IDC Error ellipse: s-maj=302.9km s-min=187.4km az=130.0.
ISC V 02 18 26 35.6–.67 4.43S–.10 104.3W–.10 10 4.5b,4.1s 103 23-153
IDC V 02 18 26 33.4–1.2 4.34S 104.29W 0 4.1s,3.9 ¶610598508
NEIC V 02 18 26 36.7–1.8 4.5S–.10 104.3W–.20 10–1 4.5b,3.9
GCMT V 02 18 26 37.7–.50 4.45S–.03 104.73W–.03 20–2 4.8W,3.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s11,c11; s76,c95;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.18±.12 $M_{\theta\theta}$1.18±.12; $M_{\phi\phi}$-0.99±.11; $M_{r\theta}$0.37±.21; $M_{\theta\phi}$1.97±.11; $M_{\phi r}$-0.67±.22; Best double couple: NP1:ϕ_s16.00000°,δ77.00000°,λ-166.00000°. NP2:ϕ_s283.00000°,δ76.00000°,λ-13.00000°. Principal axes: T 2.3430,Plg1.0000° ,Azm149.0000°; N 0.0800,Plg71.0000°,Azm58.0000°; P -2.4190,Plg19.0000°,Azm240.0000° $M_0$2.38100×10^{16}
IDC V 03 06 30 54.0–14 5.22S 104.09W 0 3.4,3.4b ¶610689447
IDC Error ellipse: s-maj=493.1km s-min=205.1km az=116.0.
ISC V 08 12 36 32.2–1.8 9.1S–.40 108.9W–.40 10 3.5s,3.4b 8 18-151
IDC V 08 12 36 30.6–1.8 9.12S 108.90W 0 3.5s,3.4 ¶610689793
ISC Event type ke.
IDC Error ellipse: s-maj=69.0km s-min=34.4km az=47.0.
ISC V 15 10 36 36.3–1.9 13.9S–.30 111.6W–.30 10 3.9s,3.5b 7 13-150
IDC V 15 10 36 35.6–1.8 13.74S 111.48W 0 3.8s,3.5 ¶610690336
GCMT V 15 10 36 40.0–.50 13.54S–.02 111.39W–.03 16–2 4.8W,3.5
ISC Event type ke.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. Moment Tensor Solution. s9,c9; s85,c111;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.69±.12 $M_{\theta\theta}$0.66±.09; $M_{\phi\phi}$0.02±.10; $M_{r\theta}$0.30±.22; $M_{\theta\phi}$1.61±.07; $M_{\phi r}$-1.07±.32; Best double couple: NP1:ϕ_s12.00000°,δ72.00000° ,λ-144.00000°. NP2:ϕ_s269.00000°,δ56.00000°,λ-21.00000°. Principal axes: T 2.0700,Plg10.0000°,Azm137.0000°; N 0.0000,Plg51.0000°,Azm34.0000° ; P -2.0700,Plg37.0000°,Azm235.0000° $M_0$2.07000×10^{16}
IDC V 30 01 21 16.0–13 4.49S 102.18W 0 3.7,3.7b ¶610685682
IDC Error ellipse: s-maj=502.9km s-min=181.0km az=110.0.
ISC VI 14 19 52 51.6–.77 8.8S–.10 109.2W–.20 10 4.7b,4.5s 119 29-151
IDC VI 14 19 52 50.5–1.4 8.79S 109.26W 0 4.4s,3.7 ¶610791883
NEIC VI 14 19 52 52.0–2.4 8.88S–.05 109.2W–.20 10–1 4.7b,3.7
GCMT VI 14 19 52 54.0–.20 8.96S–.01 109.24W–.01 17–1 5.1W,3.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s56,c72; s129,c195;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.24±.15 $M_{\theta\theta}$2.59±.15; $M_{\phi\phi}$-1.35±.14; $M_{r\theta}$0.30±.34; $M_{\theta\phi}$6.00±.12; $M_{\phi r}$-0.36±.34; Best double couple: NP1:ϕ_s279.00000°,δ86.00000°,λ-4.00000°. NP2:ϕ_s9.00000°,δ86.00000°,λ-176.00000°. Principal axes: T 6.9350,Plg0.0000° ,Azm324.0000°; N -1.1920,Plg84.0000°,Azm56.0000°; P -5.7440,Plg6.0000°,Azm234.0000° $M_0$6.33900×10^{16}
ISC VI 14 21 04 03.6–1.1 8.8S–.20 109.1W–.30 10 4.1s,3.8b 11 18-151
IDC VI 14 21 04 01.9–1.5 8.82S 109.18W 0 4.1s,3.6 ¶610791893
ISC Event type ke.
IDC Error ellipse: s-maj=55.0km s-min=26.1km az=47.0.
ISC VI 23 10 51 06.1–.75 8.6S–.10 109.3W–.10 10 4.6b,4.0s 55 18-151
IDC VI 23 10 51 06.5–1.3 8.53S 109.09W 0 4.0s,3.8 ¶610789337
NEIC VI 23 10 51 06.0–1.8 8.6S–.10 109.42W–.03 10–1 4.6b,3.8
GCMT VI 23 10 51 06.0–.30 9.02S–.02 109.60W–.01 23–1 4.9W,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s23,c26; s100,c128;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.29±.15 $M_{\theta\theta}$-0.11±.12; $M_{\phi\phi}$0.40±.11; $M_{r\theta}$0.39±.16; $M_{\theta\phi}$2.75±.09; $M_{\phi r}$0.10±.15; Best double couple: NP1:ϕ_s87.00000°,δ90.00000°,λ8.00000°. NP2:ϕ_s357.00000°,δ82.00000°,λ180.00000°. Principal axes: T 2.9420,Plg6.0000° ,Azm313.0000°; N -0.3030,Plg82.0000°,Azm89.0000°; P -2.6380,Plg5.0000°,Azm222.0000° $M_0$2.79000×10^{16}

(695) West of Galapagos Islands.

IDC III 15 16 30 31.0–9.9 1.57N 98.55W 0 3.6s,3.3 ¶610546260
IDC Error ellipse: s-maj=401.7km s-min=149.3km az=97.0.

(696) Galapagos Islands region.

IDC V 06 04 08 59.8–4.0 0.99N 86.18W 0 3.5,3.5b ¶610689641
IDC Error ellipse: s-maj=319.0km s-min=25.2km az=55.0.
IDC VI 23 06 06 50.1–4.2 1.27N 91.16W 0 3.7,3.7b ¶610789314
IDC Error ellipse: s-maj=287.2km s-min=24.5km az=49.0.

(697) Galapagos Islands.

ISC VI 08 07 41 53.2–.83 0.9S–.10 91.73W–.09 10 4.2b,3.2s 36 1-137
IDC VI 08 07 41 51.3–1.1 0.89S 91.78W 0 4.0,4.0b ¶610791450
NEIC VI 08 07 41 54.8–1.2 0.8S–.10 91.63W–.07 10–2 4.3b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(757) Galapagos Triple Junction region.

ISC III 14 12 07 57.5–1.2 6.9N–.10 104.4W–.20 10 4.3b,3.9s 47 12-146
IDC III 14 12 07 56.2–1.6 6.95N 104.35W 0 3.8s,3.8 ¶610546201
NEIC III 14 12 07 58.8–.86 6.9N–.10 104.3W–.20 10–2 4.3b,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC V 01 05 12 47.8–13 1.30N 100.57W 0 3.6s,3.2 ¶610689281
IDC Error ellipse: s-maj=519.4km s-min=160.0km az=108.0.
IDC V 03 04 25 33.5–13 1.19N 101.10W 0 3.5,3.5b ¶610689430
IDC Error ellipse: s-maj=426.4km s-min=206.9km az=109.0.
IDC V 25 14 44 58.9–14 5.95N 103.96W 0 3.5,3.5b ¶610685370
IDC Error ellipse: s-maj=440.3km s-min=102.6km az=116.0.
ISC VI 25 11 41 18.5–1.0 1.3N–.20 101.4W–.20 10 4.3b,3.5s 56 11-152
IDC VI 25 11 41 17.0–.95 1.36N 101.16W 0 4.1,4.1b ¶610789443
NEIC VI 25 11 41 22.4–1.2 1.6N–.20 101.14W–.06 10–2 4.3b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 25 14 01 00.8–1.2 1.6N–.20 101.7W–.20 10 4.3b,3.4s 43 16-152
IDC VI 25 14 00 59.1–1.4 1.42N 102.03W 0 3.8,3.8b ¶610789450
NEIC VI 25 14 01 00.9–1.7 1.5N–.10 101.9W–.20 10–2 4.4b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 25 16 44 22.8–1.2 1.8N–.20 101.2W–.30 10 4.3b,3.3s 22 24-152
IDC VI 25 16 44 23.5–2.6 1.71N 103.11W 0 4.2L,4.0 ¶610789457
NEIC VI 25 16 44 23.2–1.9 1.9N–.10 101.2W–.10 10–2 4.3b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

SEISMIC REGION 45.
Macquarie Loop.

(701) West of Macquarie Island.

ISC I 03 14 15 40.0–3.1 55.3S–.40 150E–2.0 10 3.9b,3.9s 9 23-153
IDC I 03 14 15 38.5–3.2 55.29S 149.96E 0 3.9,3.9b ¶610236566
ISC Event type ke.
IDC Error ellipse: s-maj=268.5km s-min=20.3km az=77.0.
ISC I 03 16 36 44.2–.77 57.34S–.08 147.6E–.20 10 4.6b,3.7s 24 14-151
IDC I 03 16 36 41.1–2.6 57.24S 148.52E 0 4.2,4.2b ¶610057017
NEIC I 03 16 36 44.7–1.8 57.30S–.10 147.5E–.40 9–5 4.6b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC I 05 10 58 16.7–2.5 56.35S 148.09E 0 3.8,3.8b ¶610236769
IDC Error ellipse: s-maj=251.8km s-min=27.7km az=77.0.
IDC I 19 00 23 37.3–4.0 59.18S 149.49E 0 3.6s,3.4 ¶610237693
IDC Error ellipse: s-maj=407.9km s-min=32.2km az=75.0.
ISC I 22 13 47 11.2–.38 57.08S–.06 147.9E–.10 10 4.8b,4.8s 110 7-155
IDC I 22 13 47 09.6–.55 56.98S 147.86E 0 4.7s,4.4 ¶610105087
NEIC I 22 13 47 10.6–2.1 57.1S–.10 147.8E–.20 9–5 4.9b,4.4
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC II 06 14 01 49.2–1.4 54.65S 146.27E 0 3.8s,3.8 ¶610414977
IDC Error ellipse: s-maj=117.6km s-min=25.5km az=80.0.
ISC II 14 01 19 36.4–1.8 57.5S–.30 147E–1.0 10 3.9s,3.8b 7 20-151
IDC II 14 01 19 34.7–1.9 57.45S 147.65E 0 4.0,3.9s ¶610415477
ISC Event type ke.
IDC Error ellipse: s-maj=153.3km s-min=20.2km az=79.0.
ISC II 15 17 58 13.9–.52 59.41S–.07 149.3E–.10 10 4.8b,4.3s 54 7-154
IDC II 15 17 58 13.1–1.0 59.51S 148.80E 0 4.3,4.3b ¶610216340
NEIC II 15 17 58 14.1–1.9 59.39S–.10 149.4E–.10 10–1 4.9b,4.3b
GCMT II 15 17 58 17.1–.20 59.44S–.01 149.22E–.03 13–1 5.0W,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s46,c57; s90,c146;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.18±.13 $M_{\theta\theta}$2.32±.11; $M_{\phi\phi}$-2.13±.12; $M_{r\theta}$-1.02±.30; $M_{\theta\phi}$-3.86±.11; $M_{\phi r}$-0.24±.30; Best double couple: NP1:ϕ_s75.00000°,δ90.00000°,λ-167.00000°. NP2:ϕ_s345.00000°,δ77.00000°,λ0.00000°. Principal axes: T 4.6720,Plg9.0000°

,Azm209.0000°; N -0.1830,Plg77.0000°,Azm77.0000°; P -4.4820,Plg10.0000°
,Azm301.0000° $M_0$4.57700×10^{16}
ISC III 09 11 14 27.1–.51 60.22S–.04 150.37E–.05 14–2 5.7s,5.5b 618 7-158
IDC III 09 11 14 23.9–.43 60.13S 150.54E 0 5.5s,4.8 **¶611831999**
NEIC III 09 11 14 26.9 60.14S 150.44E 10 5.5s,4.8
NEIC III 09 11 14 26.9 60.14S 150.44E 12 5.5s,4.8
MOS III 09 11 14 26.0–1.1 59.95S 150.39E 10 5.7b,5.4s
NEIC III 09 11 14 26.4–2.0 60.15S–.07 150.30E–.09 10–1 5.9,5.9
NEIC III 09 11 14 27 60.14S 150.54E 10 5.9,5.9
GCMT III 09 11 14 29.4–.10 60.02S 150.16E 12 5.9W,5.9
ISC Event type se.
IDC Error ellipse: s-maj=19.9km s-min=12.1km az=87.0.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: $4^{s}4$ Moment tensor: Scale 10^{17}Nm;
M_{rr}-1.10 $M_{\theta\theta}$5.28 $M_{\phi\phi}$-4.18 $M_{r\theta}$-1.28 $M_{\theta\phi}$-5.57 $M_{\phi r}$-1.31 NP1:ϕ_s70.93000°,δ81.77000°
,λ-165.86000°. NP2:ϕ_s338.86000°,δ76.01000°,λ-8.48000°. Principal axes:
T 7.9007,Plg4.0000°,Azm204.0000°; N -0.6562,Plg74.0000°,Azm101.0000°
; P -7.2445,Plg16.0000°,Azm295.0000° $M_0$7.57000×10^{17}
MOS Error ellipse: s-maj=27.8km s-min=8.7km az=93.5.
NEIC Event type se. Error ellipse: s-maj=13.2km s-min=6.4km az=203.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-2.09 $M_{\theta\theta}$4.95 $M_{\phi\phi}$-2.86 $M_{r\theta}$-0.39
$M_{\theta\phi}$-5.65 $M_{\phi r}$-2.75 NP1:ϕ_s339.15000°,δ75.06000°,λ-24.05000°. NP2:ϕ_s75.71000°,δ66.81000°
,λ-163.72000°. Principal axes: T 8.0015,Plg6.0000°,Azm29.0000°; N -0.8203,Plg62.0000°
,Azm129.0000°; P -7.1812,Plg27.0000°,Azm296.0000° $M_0$7.62000×10^{17}
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s.
Triangular moment-rate function. Moment Tensor Solution. s154,c310; s158,c495;
Duration: $2^{s}2$ Moment tensor: Scale 10^{18}Nm; M_{rr}-0.03±.01 $M_{\theta\theta}$0.54±.01; $M_{\phi\phi}$-0.51±.01;
$M_{r\theta}$-0.23±.01; $M_{\theta\phi}$-0.68±.01; $M_{\phi r}$0.02±.01; Best double couple: NP1:ϕ_s251.00000°,δ85.00000°
,λ166.00000°. NP2:ϕ_s342.00000°,δ76.00000°,λ5.00000°. Principal axes:
T 0.9250,Plg13.0000°,Azm206.0000°; N -0.0690,Plg76.0000°,Azm52.0000°
; P -0.8560,Plg6.0000°,Azm297.0000° $M_0$0.89000×10^{18}
IDC III 09 11 41 13.6–5.0 60.00S 152.87E 0 4.0b,3.9
¶610545875
IDC Error ellipse: s-maj=363.4km s-min=33.6km az=75.0.
ISC III 19 20 34 60.0–.40 60.03S–.07 150.66E–.09 10 4.8b,4.7s 80 7-155
IDC III 19 20 34 59.4–.89 59.86S 150.63E 0 4.6s,4.3 **¶610346162**
NEIC III 19 20 34 59.2–1.8 60.06S–.06 150.7E–.20 10–1 5.3,4.9b
NEIC III 19 20 34 59.1 60.04S 150.75E 10 5.3,4.9b
BJI III 19 20 35 00.7–.00 59.41S 150.32E 10 5.4b,5.1s
GCMT III 19 20 35 03.2–.10 59.95S–.01 150.10E–.02 12 5.3W,5.1s
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.29 $M_{\theta\theta}$0.81 $M_{\phi\phi}$-1.10 $M_{r\theta}$0.07 $M_{\theta\phi}$-0.70
$M_{\phi r}$-0.43 NP1:ϕ_s154.14000°,δ88.52000°,λ20.14000°. NP2:ϕ_s63.60000°,δ69.87000°
,λ178.43000°. Principal axes: T 1.0922,Plg15.0000°,Azm21.0000°; N 0.3288,Plg70.0000°
,Azm158.0000°; P -1.4210,Plg13.0000°,Azm287.0000° $M_0$1.29000×10^{17}
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function. Moment Tensor Solution. s97,c154; s137,c249;Duration: $1^{s}1$
Moment tensor: Scale 10^{17}Nm; M_{rr}-0.06±.02 $M_{\theta\theta}$0.73±.01; $M_{\phi\phi}$-0.66±.02; $M_{r\theta}$-0.37±.04;
$M_{\theta\phi}$-0.99±.01; $M_{\phi r}$0.09±.04; Best double couple: NP1:ϕ_s252.00000°,δ83.00000°,λ166.00000°.
NP2:ϕ_s343.00000°,δ76.00000°,λ7.00000°. Principal axes: T 1.3360,Plg15.0000°
,Azm207.0000°; N -0.1510,Plg74.0000°,Azm47.0000°; P -1.1850,Plg5.0000°,Azm298.0000°
$M_0$1.26100×10^{17}
ISC III 22 01 04 36.5–.58 54.14S–.08 141.3E–.10 10 4.3b,3.5s 28 10-153
IDC III 22 01 04 35.3–1.1 54.09S 141.83E 0 4.2,4.2b **¶610543434**
NEIC III 22 01 04 36.4–1.4 54.2S–.10 141.2E–.20 10–2 4.4b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC III 22 03 08 35.9–1.7 58.17S 153.15E 0 3.7b,3.6
¶610543442
IDC Error ellipse: s-maj=41.7km s-min=31.3km az=66.0.
ISC III 22 08 28 49.3–.48 54.16S–.08 141.8E–.10 10 4.7b,4.0s 67 10-156
IDC III 22 08 28 48.0–.60 54.13S 142.08E 0 4.5,4.5b **¶610518413**
NEIC III 22 08 28 49.3–1.2 54.16S–.04 141.7E–.20 10–1 4.8b,4.5b
GCMT III 22 08 28 50.3–.30 54.06S–.01 141.94E–.04 19–1 4.9W,4.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function. Moment Tensor Solution. s24,c25; s79,c107;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-0.55±.18 $M_{\theta\theta}$2.80±.14; $M_{\phi\phi}$-2.25±.11; $M_{r\theta}$0.91±.24;
$M_{\theta\phi}$0.25±.08; $M_{\phi r}$-0.83±.28; Best double couple: NP1:ϕ_s310.00000°,δ83.00000°,λ-28.00000°.
NP2:ϕ_s43.00000°,δ63.00000°,λ-173.00000°. Principal axes: T 3.0330,Plg14.0000°
,Azm360.0000°; N -0.3860,Plg62.0000°,Azm118.0000°; P -2.6510,Plg24.0000°
,Azm263.0000° $M_0$2.84200×10^{16}
ISC III 28 04 40 36.2–.48 54.18S–.08 142.2E–.10 10 4.6b,3.9s 78 10-153
NEIC III 28 04 40 35.3–1.7 54.2S–.10 142.1E–.10 10–1 4.7b,3.9s **¶610518416**
IDC III 28 04 40 35.2–.57 54.07S 142.25E 0 4.4,4.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=22.7km s-min=9.1km az=205.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=26.7km s-min=16.0km az=76.0.
ISC IV 01 02 19 23.0–.91 56.9S–.20 147.9E–.30 10 4.0b 14 20-152
IDC IV 01 02 19 20.8–1.1 56.98S 147.76E 0 4.1,4.1b **¶610651672**
ISC Event type ke.
IDC Error ellipse: s-maj=38.1km s-min=24.5km az=81.0.
ISC IV 09 00 14 31.6–.40 52.22S–.04 139.65E–.05 14–2 5.4b,5.1s 761 11-156
BGR IV 09 00 14 26.2 53.15S 141.60E 10 5.4b,5.1s **¶615092571**
BJI IV 09 00 14 28.8–.00 52.20S 139.50E 5 5.5b,5.2b
IDC IV 09 00 14 28.7–.41 52.19S 139.69E 0 5.0s,4.9
MOS IV 09 00 14 30.8–1.1 52.10S 139.73E 8 5.4b,4.9s
NEIC IV 09 00 14 30.8–1.7 52.18S–.05 139.7E–.10 10–1 5.5,5.4b
NEIC IV 09 00 14 30.7 52.09S 138.98E 12 5.5,5.4b
NEIC IV 09 00 14 30.7 52.20S 139.60E 10 5.5,5.4b
NEIC IV 09 00 14 30.7 52.19S 139.64E 10 5.5,5.4b
GCMT IV 09 00 14 31.8–.10 52.18S–.01 139.52E–.01 12 5.5W,5.4b
ISC Event type ke.
BGR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.31 $M_{\theta\theta}$0.86 $M_{\phi\phi}$-0.55 $M_{r\theta}$-0.02
$M_{\theta\phi}$-1.21 $M_{\phi r}$-0.56 NP1:ϕ_s342.40000°,δ79.38000°,λ-23.20000°. NP2:ϕ_s76.92000°,δ67.22000°
,λ-168.47000°. Principal axes: T 1.5921,Plg8.0000°,Azm31.0000°; N -0.1313,Plg65.0000°
,Azm139.0000°; P -1.4607,Plg24.0000°,Azm298.0000° $M_0$1.53000×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: $4^{s}2$ Moment tensor: Scale 10^{17}Nm;
M_{rr}-0.27 $M_{\theta\theta}$0.64 $M_{\phi\phi}$-0.37 $M_{r\theta}$0.78 $M_{\theta\phi}$-2.00 $M_{\phi r}$-1.24 NP1:ϕ_s171.92000°,δ86.76000°
,λ31.77000°. NP2:ϕ_s79.92000°,δ58.28000°,λ176.19000°. Principal axes:
T 2.8210,Plg24.0000°,Azm41.0000°; N -0.7150,Plg58.0000°,Azm177.0000°
; P -2.1060,Plg19.0000°,Azm302.0000° $M_0$2.46000×10^{17}
NEIC Event type se.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function. Moment Tensor Solution. s120,c205; s143,c255;Duration: $1^{s}3$
Moment tensor: Scale 10^{17}Nm; M_{rr}-0.29±.02 $M_{\theta\theta}$0.55±.02; $M_{\phi\phi}$-0.25±.02; $M_{r\theta}$0.05±.05;
$M_{\theta\phi}$-2.08±.02; $M_{\phi r}$-0.04±.05; Best double couple: NP1:ϕ_s84.00000°,δ89.00000°,λ179.00000°.
NP2:ϕ_s175.00000°,δ89.00000°,λ1.00000°. Principal axes: T 2.2680,Plg1.0000°,Azm39.0000°
; N -0.2970,Plg89.0000°,Azm224.0000°; P -1.9710,Plg0.0000°,Azm129.0000°
$M_0$2.12000×10^{17}
ISC IV 09 04 43 41.9–.41 52.14S–.09 139.7E–.10 19 4.5b,3.5s 82 20-152
IDC IV 09 04 43 39.2–.57 52.26S 139.73E 0 4.3,4.3b **¶610598338**
NEIC IV 09 04 43 42.0–1.6 52.1S–.10 139.7E–.20 17–0 4.6b,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IV 09 16 40 10.1–3.5 57.95S 149.30E 0 3.5s,3.4
¶610652312
IDC Error ellipse: s-maj=337.0km s-min=30.9km az=75.0.
ISC IV 11 17 23 42.3–.51 52.37S–.08 141.1E–.10 10 4.6b,3.5s 46 10-153
IDC IV 11 17 23 41.1–1.1 52.37S 141.31E 0 4.1,4.1b **¶610652485**
NEIC IV 11 17 23 42.5–2.6 52.41S–.07 141.1E–.20 10–1 4.5b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IV 14 20 31 32.4–1.6 53.71S 140.28E 0 3.4s,3.4
¶610652754
IDC Error ellipse: s-maj=182.4km s-min=25.6km az=82.0.
IDC IV 19 09 59 16.1–1.9 60.02S 153.14E 0 4.1b,4.0
¶610653041
IDC Error ellipse: s-maj=47.6km s-min=32.7km az=66.0.
ISC IV 22 19 27 08.4–.37 55.70S–.06 147.11E–.08 10 4.6b,4.0s 121 7-155
IDC IV 22 19 27 06.7–.57 55.65S 147.12E 0 4.4,4.4b **¶610547319**
NEIC IV 22 19 27 08.4–.87 55.67S–.09 147.04E–.08 10–1 4.6b,4.4b
GCMT IV 22 19 27 11.4–.30 55.72S–.01 146.87E–.03 12–2 4.9W,4.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function. Moment Tensor Solution. s11,c11; s87,c118;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-0.12±.11 $M_{\theta\theta}$0.91±.09; $M_{\phi\phi}$-0.78±.10; $M_{r\theta}$0.12±.25;
$M_{\theta\phi}$-2.25±.08; $M_{\phi r}$-0.19±.25; Best double couple: NP1:ϕ_s170.00000°,δ88.00000°,λ5.00000°.
NP2:ϕ_s80.00000°,δ85.00000°,λ178.00000°. Principal axes: T 2.4800,Plg5.0000°
,Azm35.0000°; N -0.1310,Plg85.0000°,Azm188.0000°; P -2.3490,Plg2.0000°,Azm305.0000°
$M_0$2.41500×10^{16}
IDC V 06 02 42 20.3–68 53.22S 139.31E 0 3.9,3.9b
¶610689640
IDC Error ellipse: s-maj=1302.0km s-min=177.6km az=140.0.
IDC V 18 16 33 19.8–1.6 53.80S 139.67E 0 3.8,3.7b
¶610690607
IDC Error ellipse: s-maj=157.2km s-min=25.3km az=82.0.
ISC V 23 23 10 24.6–.93 53.7S–.10 140.8E–.50 10 4.0b,3.4s 10 22-152
IDC V 23 23 10 23.7–.90 53.61S 141.56E 0 4.0,4.0b **¶610685252**
ISC Event type ke.
IDC Error ellipse: s-maj=76.8km s-min=18.0km az=83.0.
IDC VI 03 20 22 15.9–1.6 54.67S 142.74E 0 3.7,3.7b
¶610791188
IDC Error ellipse: s-maj=175.1km s-min=20.1km az=80.0.
IDC VI 04 06 16 24.6–2.4 56.34S 147.82E 0 3.6s,3.6
¶610791214
IDC Error ellipse: s-maj=225.0km s-min=27.1km az=78.0.
IDC VI 06 05 55 52.1–3.6 59.89S 149.19E 0 3.9,3.9b
¶610791322
IDC Error ellipse: s-maj=382.0km s-min=31.5km az=76.0.
ISC VI 17 19 54 50.8–.76 56.1S–.10 147.5E–.10 10 3.9b 23 7-152
NEIC VI 17 19 54 50.8–.98 56.2S–.10 147.5E–.30 10–2 4.1b **¶610792075**
IDC VI 17 19 54 50.7–1.6 56.33S 145.30E 0 3.8,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=25.3km s-min=21.0km az=254.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=191.6km s-min=24.4km az=79.0.
IDC VI 29 09 48 08.7–2.9 55.71S 147.95E 0 3.7,3.7b
¶610789711
IDC Error ellipse: s-maj=263.9km s-min=57.9km az=72.0.

(702) Balleny Islands region.

IDC I 01 08 08 53.1–3.7 62.32S 164.13E 0 3.8s,3.7
¶610236369
IDC Error ellipse: s-maj=152.7km s-min=42.6km az=72.0.
IDC I 02 03 35 09.1–4.5 64.57S 175.79E 0 4.0s,4.0b
GCMT I 02 03 35 14.0–.40 64.32S–.03 177.48E–.06 34–0 5.1W,4.0b **¶610057014**
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.
Surface-wave location. Triangular moment-rate function. Moment Tensor Solution. s22,c27;
s63,c76;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-5.21±.46 $M_{\theta\theta}$6.15±.30; $M_{\phi\phi}$-0.94±.28;
$M_{r\theta}$-0.10±.22; $M_{\theta\phi}$0.72±.13; $M_{\phi r}$-1.89±.23; Best double couple: NP1:ϕ_s65.00000°,δ50.00000°
,λ-118.00000°. NP2:ϕ_s284.00000°,δ47.00000°,λ-61.00000°. Principal axes:
T 6.2310,Plg2.0000°,Azm174.0000°; N -0.3080,Plg21.0000°,Azm83.0000°
; P -5.9290,Plg69.0000°,Azm268.0000° $M_0$6.08000×10^{16}
ISC I 03 16 04 39.0–1.2 62.25S–.10 164.0E–.30 10 3.9b,3.8s 11 15-153
IDC I 03 16 04 38.1–11 62.25S 163.92E 0 3.8s,3.8b **¶610057016**
NEIC I 03 16 04 39.3–.70 62.3S–.10 164.1E–.60 10–2 4.1b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 28 19 31 42.6–.43 62.13S–.06 155.2E–.10 10 4.7b,4.4s 105 8-154
IDC I 28 19 31 41.7–.75 61.95S 154.57E 0 4.5,4.4s **¶610184280**
NEIC I 28 19 31 42.4–1.4 62.10S–.04 155.2E–.30 10–1 4.7b,4.4s
GCMT I 28 19 31 46.4–.10 61.99S–.01 154.86E–.02 13–1 5.3W,4.4s
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function. Moment Tensor Solution. s89,c131; s125,c200;Duration: $1^{s}1$
Moment tensor: Scale 10^{17}Nm; M_{rr}-0.15±.02 $M_{\theta\theta}$1.00±.02; $M_{\phi\phi}$-0.85±.02; $M_{r\theta}$-0.29±.04;
$M_{\theta\phi}$-0.78±.02; $M_{\phi r}$0.06±.04; Best double couple: NP1:ϕ_s245.00000°,δ84.00000°,λ170.00000°.
NP2:ϕ_s336.00000°,δ80.00000°,λ6.00000°. Principal axes: T 1.3440,Plg11.0000°
,Azm200.0000°; N -0.2080,Plg78.0000°,Azm33.0000°; P -1.1380,Plg3.0000°,Azm290.0000°
$M_0$1.24100×10^{17}
IDC II 03 16 40 56.7–4.0 65.55S 179.65E 0 3.8,3.8b
¶610315670
IDC Error ellipse: s-maj=137.4km s-min=26.9km az=69.0.
ISC II 04 23 45 51.0–1.8 64.2S–.20 173.9E–.50 10 4.0b,3.9s 8 14-146
IDC II 04 23 45 49.2–1.8 64.13S 174.23E 0 4.2,4.2L **¶610315680**
ISC Event type ke.
IDC Error ellipse: s-maj=79.6km s-min=25.2km az=71.0.
IDC II 20 15 44 06.0–7.5 66.97S 157.52E 0
¶610384692
IDC Error ellipse: s-maj=32.9km s-min=10.6km az=26.0.
ISC III 04 17 22 16.2–.50 64.94S–.09 177.9E–.10 10 4.6b,3.9s 45 13-155
IDC III 04 17 22 14.3–.62 64.79S 177.73E 0 4.1,4.1b **¶610315698**
NEIC III 04 17 22 16.6–2.6 64.93S–.05 178.0E–.40 10–1 4.8b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 05 00 57 46.4–.57 65.08S–.08 177.7E–.10 10 4.6b,4.2s 38 13-155
IDC III 05 00 57 44.9–.73 64.97S 177.96E 0 4.9L,4.3s **¶610545560**
NEIC III 05 00 57 46.4–1.1 65.0S–.10 177.7E–.30 10–1 4.8b,4.3s
GCMT III 05 00 57 48.4–.30 64.92S–.02 177.82E–.04 18–2 5.1W,4.3s
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function. Moment Tensor Solution. s22,c27; s91,c123;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-0.56±.24 $M_{\theta\theta}$4.58±.20; $M_{\phi\phi}$-4.02±.18; $M_{r\theta}$-4.74±.78;
$M_{\theta\phi}$0.40±.15; $M_{\phi r}$1.44±.52; Best double couple: NP1:ϕ_s125.00000°,δ89.00000°,λ-49.00000°.
NP2:ϕ_s217.00000°,δ41.00000°,λ-178.00000°. Principal axes: T 7.4160,Plg31.0000°
,Azm182.0000°; N -2.2330,Plg41.0000°,Azm304.0000°; P -5.1830,Plg33.0000°
,Azm69.0000° $M_0$6.29900×10^{16}
ISC III 10 14 41 54.5–.68 64.37S–.09 174.7E–.20 10 4.7b,4.1s 27 13-155
IDC III 10 14 41 53.5–.84 64.34S 174.22E 0 4.5,4.5b **¶610440743**
GCMT III 10 14 41 53.6–.30 64.18S–.01 175.44E–.05 13–2 5.0W,4.5b
NEIC III 10 14 41 54.6–2.0 64.39S–.09 174.8E–.70 11–6 4.6b,4.5b
ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function. Moment Tensor Solution. s22,c25; s76,c108;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-1.02±.19 $M_{\theta\theta}$3.04±.15; $M_{\phi\phi}$-2.01±.13; $M_{r\theta}$-3.40±.72;
$M_{\theta\phi}$-0.54±.12; $M_{\phi r}$1.24±.46; Best double couple: NP1:ϕ_s119.00000°,δ79.00000°,λ-66.00000°.

NP2:ϕ_s233.00000°,δ26.00000°,λ-154.00000°. Principal axes: T 5.1350,Plg30.0000° ,Azm190.0000°; N -1.6700,Plg23.0000°,Azm294.0000°; P -3.4550,Plg50.0000° ,Azm56.0000° $M_0$4.29500×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC III 17 20 00 52.4–6.3 62.22S 157.75E 0 4.0L,3.9s
GCMT III 17 20 01 03.0–.30 62.27S–.02 154.94E–.05 19–2 4.9W,3.9s **¶610440748**
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. Moment Tensor Solution. s14,c15; s77,c109;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.47±.20 $M_{\theta\theta}$2.72±.15; $M_{\phi\phi}$-2.25±.13; $M_{r\theta}$-0.91±.28; $M_{r\phi}$-1.42±.11; $M_{\theta\phi}$0.77±.32; Best double couple: NP1:ϕ_s330.00000°,δ89.00000° ,λ21.00000°. NP2:ϕ_s239.00000°,δ69.00000°,λ178.00000°. Principal axes: T 3.4010,Plg16.0000°,Azm196.0000°; N -0.6500,Plg69.0000°,Azm333.0000° ; P -2.7500,Plg14.0000°,Azm102.0000° $M_0$3.07500×10^{16}
ISC III 18 02 33 27.2–.61 62.24S–.09 164.3E–.20 10 4.6b,4.5s 28 15-156
IDC III 18 02 33 25.5–.80 62.08S 164.59E 0 4.9L,4.5s **¶610345839**
NEIC III 18 02 33 28.2–1.9 62.4S–.10 164.0E–.30 10–1 4.7b,4.5s
GCMT III 18 02 33 30.2–.20 62.16S–.01 165.12E–.02 19–1 5.2W,4.5s
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s74,c100; s127,c204;Duration: 1^{s}0 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.17±.02 $M_{\theta\theta}$0.97±.02; $M_{\phi\phi}$-0.80±.02; $M_{r\theta}$-0.33±.04; $M_{\theta\phi}$-0.14±.02; $M_{\phi r}$0.14±.04; Best double couple: NP1:ϕ_s319.00000°,δ87.00000°,λ19.00000°. NP2:ϕ_s228.00000°,δ71.00000°,λ177.00000°. Principal axes: T 1.0710,Plg15.0000° ,Azm185.0000°; N -0.2350,Plg71.0000°,Azm329.0000°; P -0.8340,Plg11.0000° ,Azm92.0000° $M_0$0.95300×10^{17}
IDC IV 06 19 36 26.4–12 64.28S 172.50E 0 3.9s,3.8
GCMT IV 06 19 36 25.0–.40 64.19S–.02 174.81E–.06 32–2 5.0W,3.8 **¶610652102**
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. Moment Tensor Solution. s24,c27; s60,c76;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.33±.32 $M_{\theta\theta}$2.30±.20; $M_{\phi\phi}$-3.63±.21; $M_{r\theta}$-2.77±.37; $M_{\theta\phi}$-0.06±.16; $M_{\phi r}$1.57±.33; Best double couple: NP1:ϕ_s320.00000°,δ77.00000° ,λ46.00000°. NP2:ϕ_s217.00000°,δ46.00000°,λ161.00000°. Principal axes: T 4.7630,Plg41.0000°,Azm190.0000°; N -0.5800,Plg43.0000°,Azm333.0000° ; P -4.1830,Plg19.0000°,Azm82.0000° $M_0$4.47300×10^{16}
ISC IV 25 21 20 27.4–.33 65.06S–.05 177.71E–.08 10 5.2b,4.6s 128 13-168
IDC IV 25 21 20 25.5–.54 64.93S 177.60E 0 4.9L,4.6s **¶610554488**
NEIC IV 25 21 20 27.1–1.2 64.9S–.10 177.8E–.30 10–1 5.2b,4.6s
GCMT IV 25 21 20 30.1–.10 64.81S–.01 177.80E–.02 12 5.4W,4.6s
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s102,c159; s131,c243;Duration: 1^{s}2 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.25±.02 $M_{\theta\theta}$1.45±.02; $M_{\phi\phi}$-1.20±.02; $M_{r\theta}$-0.81±.04; $M_{\theta\phi}$-0.33±.02; $M_{\phi r}$0.38±.05; Best double couple: NP1:ϕ_s321.00000°,δ87.00000°,λ29.00000°. NP2:ϕ_s229.00000°,δ61.00000°,λ177.00000°. Principal axes: T 1.8400,Plg22.0000° ,Azm189.0000°; N -0.5100,Plg60.0000°,Azm325.0000°; P -1.3330,Plg18.0000° ,Azm91.0000° $M_0$1.58700×10^{17}
ISC V 05 08 55 21.3–.54 62.61S–.07 165.3E–.20 10 4.4b,4.2s 32 15-151
IDC V 05 08 55 20.3–1.1 62.70S 165.03E 0 4.4,4.4L **¶610689598**
NEIC V 05 08 55 21.4–1.2 62.61S–.09 165.5E–.40 10–1 4.4b,4.4L
GCMT V 05 08 55 25.4–.30 62.61S–.02 165.68E–.06 25–2 5.0W,4.4L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s16,c16; s71,c97;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.01±.34 $M_{\theta\theta}$4.02±.22; $M_{\phi\phi}$-3.01±.20; $M_{r\theta}$-2.59±.48; $M_{\theta\phi}$-1.08±.16; $M_{\phi r}$0.97±.54; Best double couple: NP1:ϕ_s321.00000°,δ89.00000°,λ33.00000°. NP2:ϕ_s230.00000°,δ57.00000°,λ179.00000°. Principal axes: T 5.3420,Plg23.0000° ,Azm190.0000°; N -1.9380,Plg57.0000°,Azm322.0000°; P -3.4030,Plg22.0000° ,Azm90.0000° $M_0$4.37200×10^{16}
ISC V 16 23 54 31.1–1.8 64.9S–.20 174.5E–.50 10 3.7s,3.6b 6 13-147
IDC V 16 23 54 30.9–1.9 64.96S 173.93E 0 3.7s,3.7 **¶610690453**
ISC Event type ke.
IDC Error ellipse: s-maj=83.1km s-min=28.1km az=74.0.
IDC VI 02 10 03 27.2–7.6 62.55S 155.23E 0 3.5L,3.4 ¶610791093
IDC Error ellipse: s-maj=497.9km s-min=42.7km az=76.0.
IDC VI 03 02 09 50.6–9.1 62.36S 159.85E 0 3.6,3.6b ¶610791136
IDC Error ellipse: s-maj=436.9km s-min=43.7km az=76.0.
IDC VI 03 02 16 32.5–3.5 62.20S 160.43E 0 4.3s,3.9 ¶610791138
IDC Error ellipse: s-maj=185.0km s-min=38.0km az=73.0.
ISC VI 03 19 17 33.5–.46 62.65S–.04 155.81E–.05 9–2 5.6b,5.6s 886 8-168
BJI VI 03 19 17 32.7–.00 62.58S 155.76E 7 5.8b,5.6b **¶615092685**
IDC VI 03 19 17 32.0–.40 62.59S 155.67E 0 5.4s,5.0
NEIC VI 03 19 17 33.8 62.60S 155.83E 14 5.4s,5.0
NEIC VI 03 19 17 33.8 62.80S 156.27E 14 5.4s,5.0
NEIC VI 03 19 17 34.0–1.3 62.58S–.07 155.8E–.20 10–1 5.9,5.9
NEIC VI 03 19 17 33.8 62.60S 155.82E 10 5.9,5.9
MOS VI 03 19 17 34.1–1.2 62.55S 155.65E 16 5.6b,5.6s
GCMT VI 03 19 17 38.0–.10 62.57S 155.40E 12 5.9W,5.6s
ISC Event type se.
IDC Error ellipse: s-maj=16.5km s-min=11.8km az=110.0.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 4^{s}6 Moment tensor: Scale 10^{17}Nm; M_{rr}-3.34 $M_{\theta\theta}$7.24 $M_{\phi\phi}$-3.90 $M_{r\theta}$-1.62 $M_{\theta\phi}$-5.07 $M_{\phi r}$-2.57 NP1:ϕ_s71.55000°,δ69.08000° ,λ-152.86000°. NP2:ϕ_s331.18000°,δ64.78000°,λ-23.24000°. Principal axes: T 9.2299,Plg3.0000°,Azm201.0000°; N -1.3839,Plg56.0000°,Azm106.0000° ; P -7.8460,Plg34.0000°,Azm292.0000° $M_0$8.54000×10^{17}
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=10.8km az=229.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.37 $M_{\theta\theta}$6.98 $M_{\phi\phi}$-6.61 $M_{r\theta}$0.29 $M_{\theta\phi}$-3.06 $M_{\phi r}$-1.35 NP1:ϕ_s326.75000°,δ85.80000°,λ-10.02000°. NP2:ϕ_s57.49000°,δ80.01000° ,λ-175.73000°. Principal axes: T 7.6813,Plg4.0000°,Azm12.0000°; N -0.1900,Plg79.0000° ,Azm124.0000°; P -7.4912,Plg10.0000°,Azm282.0000° $M_0$7.59000×10^{17}
NEIC Event type se.
MOS Error ellipse: s-maj=26.0km s-min=8.2km az=96.6.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s147,c301; s150,c474; Duration: 2^{s}3 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.08±.01 $M_{\theta\theta}$0.85±.01; $M_{\phi\phi}$-0.77±.01; $M_{r\theta}$-0.21±.01; $M_{\theta\phi}$-0.55±.01; $M_{\phi r}$-0.04±.01; Best double couple: NP1:ϕ_s242.00000° ,δ88.00000°,λ168.00000°. NP2:ϕ_s332.00000°,δ79.00000°,λ2.00000°. Principal axes: T 1.0490,Plg9.0000°,Azm197.0000°; N -0.0940,Plg78.0000°,Azm53.0000° ; P -0.9560,Plg7.0000°,Azm288.0000° $M_0$1.00200×10^{18}
GCMT VI 15 23 43 28.0–.30 63.31S–.01 171.14E–.05 24 5.1W ¶611083644
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location. Triangular moment-rate function. Moment Tensor Solution. s30,c31; s79,c104;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.73±.28 $M_{\theta\theta}$4.25±.16; $M_{\phi\phi}$-3.52±.20; $M_{r\theta}$-2.91±.25; $M_{\theta\phi}$-1.28±.19; $M_{\phi r}$-2.87±.39; Best double couple: NP1:ϕ_s56.00000°,δ84.00000° ,λ-135.00000°. NP2:ϕ_s320.00000°,δ46.00000°,λ-8.00000°. Principal axes: T 5.5900,Plg25.0000°,Azm180.0000°; N 0.4300,Plg45.0000°,Azm62.0000° ; P -6.0200,Plg35.0000°,Azm288.0000° $M_0$5.80500×10^{16}
ISC VI 27 20 32 14.9–1.0 64.91S–.09 178.1E–.20 10 4.6b,4.1s 14 13-147
NEIC VI 27 20 32 14.9–1.0 64.92S–.10 178.1E–.30 10–1 4.7b,4.1s **¶610789594**
IDC VI 27 20 32 15.5–3.9 65.15S 179.77W 0 4.1s,3.8
GCMT VI 27 20 32 19.9–.30 65.14S–.02 179.78W–.04 25–1 5.1W,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s33,c36; s103,c136;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.73±.20 $M_{\theta\theta}$4.99±.18; $M_{\phi\phi}$-4.26±.15; $M_{r\theta}$-2.79±.37; $M_{\theta\phi}$-0.05±.12; $M_{\phi r}$0.48±.35; Best double couple: NP1:ϕ_s316.00000°,δ81.00000°,λ23.00000°. NP2:ϕ_s222.00000°,δ67.00000°,λ171.00000°. Principal axes: T 6.1300,Plg22.0000° ,Azm181.0000°; N -1.7940,Plg66.0000°,Azm336.0000°; P -4.3370,Plg9.0000°,Azm87.0000° $M_0$5.23400×10^{16}

SEISMIC REGION 46.
Andaman Islands to Sumatera.

(703) Andaman Islands region.

ISC I 11 22 25 09.4–1.7 11.4N–.20 93.9E–.20 50 4.4s,3.6b 10 9-58
IDC I 11 22 24 56.7–1.9 11.32N 92.81E 0 4.4s,3.6 **¶610237206**
ISC Event type ke.
IDC Error ellipse: s-maj=67.7km s-min=22.6km az=63.0.
ISC I 12 17 22 12.9–1.4 10.5N–.30 94.1E–.40 35 3.9b 10 42-73
IDC I 12 17 22 11.7–1.4 10.44N 94.08E 23–5 3.8,3.7b **¶610237251**
ISC Event type ke.
IDC Error ellipse: s-maj=67.9km s-min=21.2km az=53.0.
ISC I 17 19 38 46.4–1.5 13.5N–.10 93.8E–.20 35 3.4b 6 7-54
IDC I 17 19 38 39.8–2.2 13.33N 93.45E 0 3.7L,3.3 **¶610237618**
ISC Event type ke.
IDC Error ellipse: s-maj=67.7km s-min=25.1km az=72.0.
ISC I 18 15 42 38.9–.38 12.10N–.05 95.00E–.05 21 4.8b,4.0s 145 2-135
IDC I 18 15 42 35.7–.59 12.18N 95.04E 0 4.2,4.2b **¶611831599**
DJA I 18 15 42 39.3–.80 12N–3.0 95E–4.0 31–8 5.6b,5.1
NEIC I 18 15 42 40.5–1.4 12.20N–.08 94.97E–.07 27–5 4.9b,5.1
BJI I 18 15 42 40.3–.00 12.38N 94.66E 19 4.9b,4.6s
NDI I 18 15 42 40.8–4.8 12.25N 95.10E 15–121 4.9b,4.2b
GCMT I 18 15 42 41.5–.30 12.04N–.02 95.04E–.03 12–1 4.9W,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s19,c25; s76,c110;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-1.87±.16 $M_{\theta\theta}$1.39±.11; $M_{\phi\phi}$0.47±.10; $M_{r\theta}$-1.02±.35; $M_{\theta\phi}$1.55±.07; $M_{\phi r}$0.59±.32; Best double couple: NP1:ϕ_s80.00000°,δ58.00000°,λ-54.00000°. NP2:ϕ_s206.00000°,δ47.00000°,λ-133.00000°. Principal axes: T 2.6010,Plg6.0000° ,Azm145.0000°; N -0.0580,Plg30.0000°,Azm239.0000°; P -2.5460,Plg59.0000° ,Azm44.0000° $M_0$2.57300×10^{16}
ISC I 24 18 13 58.2–1.5 15.0N–.20 93.1E–.10 150 3.3b 7 7-55
IDC I 24 18 13 56.4–9.0 14.93N 93.02E 133–76 3.3,3.0b **¶610235276**
ISC Event type ke.
IDC Error ellipse: s-maj=71.1km s-min=20.3km az=61.0.
ISC I 26 01 34 24.3–.81 13.1N–.10 92.26E–.08 35 3.9b 22 8-91
IDC I 26 01 34 18.4–.80 12.83N 92.23E 0 3.9,3.9b **¶610235355**
ISC Event type ke.
IDC Error ellipse: s-maj=26.8km s-min=16.6km az=49.0.
ISC I 28 14 21 42.6–1.0 14.8N–.10 93.23E–.10 35 3.8b 19 7-92
IDC I 28 14 21 37.1–.94 14.70N 93.13E 0 3.8b,3.7 **¶610235564**
ISC Event type ke.
IDC Error ellipse: s-maj=39.5km s-min=19.6km az=52.0.
ISC II 04 23 29 09.9–1.4 10.1N–.20 93.1E–.20 10 3.7b 12 10-73
IDC II 04 23 29 07.3–1.8 10.20N 92.80E 0 3.7,3.7b **¶610414847**
ISC Event type ke.
IDC Error ellipse: s-maj=68.4km s-min=22.0km az=61.0.
IDC II 16 18 26 41.7–2.1 13.70N 93.54E 0 3.4b,3.2 ¶610415644
IDC Error ellipse: s-maj=66.5km s-min=28.6km az=67.0.
ISC II 17 17 45 48.6–3.5 13.5N–.40 93.5E–.20 35 3.4b 7 7-41
IDC II 17 17 45 42.9–13 13.47N 93.28E 0 3.4b,3.3 **¶610415716**
ISC Event type ke.
IDC Error ellipse: s-maj=231.4km s-min=54.7km az=178.0.
ISC II 28 10 42 06.5–.72 10.15N–.07 92.44E–.08 35 3.8b 32 2-93
IDC II 28 10 42 02.5–1.8 10.11N 92.34E 0 4.1L,3.6 **¶610385195**
NEIC II 28 10 42 06.6–1.3 10.2N–.10 92.5E–.20 32–8 4.2b,3.6
NDI II 28 10 42 17.0–3.1 10.69N 92.51E 10 4.2b,4.1L
ISC Event type se.
IDC Error ellipse: s-maj=62.9km s-min=23.1km az=67.0.
NEIC Event type se. Error ellipse: s-maj=27.8km s-min=12.9km az=74.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NDI Error ellipse: s-maj=25.1km s-min=19.7km az=-1.0.
ISC III 01 03 16 53.0–.38 12.22N–.04 93.17E–.06 85 4.3b 112 1-93
NDI III 01 03 16 51.7–3.0 12.15N 93.24E 83–14 4.6L,4.5b **¶610545289**
NEIC III 01 03 16 52.4–2.0 12.21N–.08 93.21E–.07 68–2 4.5b,4.5b
IDC III 01 03 16 52.9–2.0 12.11N 93.31E 85–15 4.1,3.8b
ISC Event type se.
NDI Error ellipse: s-maj=11.2km s-min=14.9km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=12.6km s-min=8.5km az=138.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=22.2km s-min=13.5km az=46.0.
ISC III 01 16 21 04.0–.79 11.67N–.09 92.22E–.08 29 4.0b 34 1-92
IDC III 01 16 20 59.9–1.5 11.67N 92.28E 0 3.8b,3.7 **¶610545332**
NDI III 01 16 21 03.5–.50 11.90N 92.14E 10 4.1b,3.9L
NEIC III 01 16 21 04.7–.97 11.7N–.10 92.24E–.08 30–8 4.1b,3.9L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 12 06 27 06.1–1.2 13.8N–.20 93.1E–.20 32 3.8b 6 7-88
IDC III 12 06 27 01.2–1.3 13.73N 92.98E 0 3.8L,3.6 **¶610546063**
ISC Event type ke.
IDC Error ellipse: s-maj=42.4km s-min=24.7km az=64.0.
ISC III 17 14 01 43.2–.36 11.26N–.04 92.91E–.04 52–2 4.6b,3.8s 251 0-161
NEIC III 17 14 01 43.1–2.6 11.17N–.08 92.88E–.09 46–6 4.8b,3.8s **¶610339916**
DJA III 17 14 01 43.4–.30 11N–3.0 93E–3.0 50–4 5.2b,5.2
NDI III 17 14 01 43.4–2.6 11.17N 92.71E 15 4.9b,4.8b
IDC III 17 14 01 43.7–1.6 11.17N 92.93E 60–12 4.4,4.2b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.8km s-min=9.1km az=57.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NDI Error ellipse: s-maj=12.7km s-min=9.5km az=-1.0.
IDC Error ellipse: s-maj=13.3km s-min=10.6km az=36.0.
ISC III 18 15 58 22.3–.45 12.82N–.06 95.84E–.05 35 4.3b,3.5s 81 3-150
IDC III 18 15 58 17.7–.74 12.89N 95.68E 0 3.9,3.9b **¶610345912**
BJI III 18 15 58 20.8–.00 12.58N 96.08E 27 4.6b,4.2b
NEIC III 18 15 58 21.6–2.3 12.91N–.07 95.81E–.04 23–6 4.4b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC III 19 00 38 58.8–9.1 12.95N 95.76E 0 3.7,3.7b ¶610546482
IDC Error ellipse: s-maj=603.8km s-min=23.2km az=59.0.
IDC III 21 16 06 57.8–8.1 13.20N 92.95E 0 3.4b,3.4L ¶610543412
IDC Error ellipse: s-maj=170.9km s-min=48.3km az=105.0.
IDC III 24 12 44 13.2–4.1 10.44N 91.50E 0 3.4,3.4b ¶610543598
IDC Error ellipse: s-maj=158.1km s-min=26.9km az=66.0.
ISC III 25 04 44 48.8–1.3 10.2N–.20 93.4E–.20 24 3.7b 7 10-73
IDC III 25 04 44 45.0–1.4 10.16N 93.31E 0 3.8L,3.7 **¶610543626**
ISC Event type ke.
IDC Error ellipse: s-maj=56.7km s-min=21.9km az=56.0.
ISC IV 05 16 44 37.1–.21 14.36N–.03 92.99E–.03 35–2 5.1b,4.3s 830 1-161
IDC IV 05 16 44 31.6–.36 14.30N 92.90E 0 5.1L,4.6 **¶610502385**
MOS IV 05 16 44 33.4–1.0 14.39N 92.99E 23 5.2b,4.6
NEIC IV 05 16 44 36.7–1.7 14.46N–.06 93.05E–.07 32–4 5.3b,4.6
NDI IV 05 16 44 37.4–3.9 14.39N 92.83E 22–49 5.3b,5.1b
GCMT IV 05 16 44 37.7–.20 14.32N–.01 93.03E–.01 46–1 5.2W,5.1b
BJI IV 05 16 44 37.2–.00 14.51N 92.95E 41 5.2b,4.8b
DJA IV 05 16 44 39.0–.40 14N–3.0 93E–4.0 53–4 6.2,6.2
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s258.39648°,δ63.37190°,λ31.64680°. NP2: ϕ_s152.95432°,δ62.02859°,λ149.50385°. Principal axes: T Plg40.4345°,Azm116.1308° ; N Plg49.5529°,Azm294.4212°; P Plg0.8441°,Azm25.4115°

NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s63,c90; s119,c193;Duration: 1♮0
Moment tensor: Scale 10^{16}Nm; M_{rr}1.53±.20 $M_{\theta\theta}$-5.17±.17; $M_{\phi\phi}$3.63±.17; $M_{r\theta}$-0.91±.18; $M_{\theta\phi}$6.33±.15; $M_{\phi r}$-2.90±.18; Best double couple: NP1:ϕ_s160.00000°,δ76.00000°,λ160.00000°. NP2:ϕ_s255.00000°,δ71.00000°,λ15.00000°. Principal axes: T 8.2710,Plg24.0000° ,Azm117.0000°; N 0.2280,Plg66.0000°,Azm305.0000°; P -8.5090,Plg3.0000°,Azm208.0000° $M_0$8.39000×10^{16}
ISC V 01 06 50 59.3–.40 13.74N–.05 92.89E–.06 29 4.2b,3.5s 77 2-149
NDI V 01 06 50 54.3–2.9 14.07N 93.35E 10 4.4b,4.2L **¶610669451**
IDC V 01 06 50 54.7–.64 13.62N 92.95E 0 4.0,4.0b
NEIC V 01 06 50 59.3–1.5 13.64N–.06 92.85E–.10 28–5 4.4b,4.0b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 01 18 59 32.3–.36 11.74N–.05 94.83E–.05 35 4.5b,3.5s 165 2-155
NDI V 01 18 59 25.9–3.0 11.24N 95.19E 30 4.7b,4.1L **¶610590157**
BJI V 01 18 59 27.9–.00 11.35N 94.73E 35 4.5b,4.2b
IDC V 01 18 59 27.3–.49 11.73N 94.73E 0 4.7L,4.3
DJA V 01 18 59 29.9–.30 12N–5.0 95E–5.0 10 5.5b,4.9
NEIC V 01 18 59 32.0–1.7 11.78N–.07 94.84E–.06 28–4 4.7b,4.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 05 17 58 35.8–.44 13.70N–.03 92.52E–.04 23–3 4.9b,3.9s 512 2-150
MOS V 05 17 58 31.7–.87 13.61N 92.52E 12 4.9b,3.9s **¶610609350**
IDC V 05 17 58 32.1–.47 13.63N 92.51E 0 4.4,4.4b
DJA V 05 17 58 34.5–.60 14N–3.0 92E–6.0 12–4 5.3b,4.9
BJI V 05 17 58 35.7–.00 13.64N 92.58E 31 4.7b,4.5b
NEIC V 05 17 58 35.9–1.3 13.74N–.06 92.55E–.07 19–3 5.0b,4.5b
NDI V 05 17 58 36.3–3.3 13.76N 92.38E 13–21 5.0b,4.6L
ISC Event type se.
MOS Error ellipse: s-maj=8.3km s-min=5.2km az=111.7.
IDC Error ellipse: s-maj=14.6km s-min=11.7km az=39.0.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=8.3km az=84.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NDI Error ellipse: s-maj=7.7km s-min=11.2km az=-1.0.
ISC V 11 16 25 33.9–1.3 13.2N–.10 93.0E–.10 150 3.6b 8 8-70
IDC V 11 16 25 32.9–8.1 13.10N 92.96E 140–72 3.7,3.3b **¶610690065**
ISC Event type ke.
IDC Error ellipse: s-maj=61.9km s-min=15.8km az=54.0.
ISC V 16 14 02 45.5–1.3 12.0N–.20 94.7E–.20 18 3.4b 8 8-63
IDC V 16 14 02 42.7–1.5 11.91N 94.67E 0 3.6s,3.5 **¶610690425**
ISC Event type ke.
IDC Error ellipse: s-maj=48.9km s-min=22.2km az=59.0.
ISC V 16 14 04 39.4–.50 11.34N–.06 94.87E–.05 24 4.3b,3.7s 92 2-136
IDC V 16 14 04 36.0–.76 11.44N 94.87E 0 4.0b,3.9 **¶610641642**
BJI V 16 14 04 39.0–.00 11.61N 95.05E 8 4.7b,4.3b
NEIC V 16 14 04 40.1–1.1 11.49N–.08 95.05E–.07 21–3 4.6b,4.3b
NDI V 16 14 04 40.4–3.5 11.48N 94.90E 10 4.9b,4.6b
GCMT V 16 14 04 44.1–.40 11.61N–.02 95.16E–.03 28–1 4.8W,4.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s16,c16; s69,c87;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-0.39±.12 $M_{\theta\theta}$-0.13±.12; $M_{\phi\phi}$0.51±.12; $M_{r\theta}$-0.00±.17; $M_{\theta\phi}$2.26±.11; $M_{\phi r}$-0.19±.16; Best double couple: NP1:ϕ_s356.00000°,δ89.00000°,λ-175.00000°. NP2:ϕ_s266.00000°,δ85.00000°,λ-1.00000°. Principal axes: T 2.4840,Plg3.0000° ,Azm131.0000°; N -0.3860,Plg85.0000°,Azm6.0000°; P -2.0980,Plg4.0000°,Azm221.0000° $M_0$2.29100×10^{16}
ISC V 16 15 03 32.3–1.4 11.9N–.20 95.8E–.30 35 3.5b 6 7-70
IDC V 16 15 03 26.9–1.7 11.77N 95.56E 0 3.5b,3.4 **¶610690428**
ISC Event type ke.
IDC Error ellipse: s-maj=69.4km s-min=23.6km az=61.0.
ISC V 17 17 45 54.0–.43 12.80N–.04 93.65E–.05 99–3 4.6b 240 1-150
NDI V 17 17 45 48.4–2.9 12.80N 93.80E 10–22 4.6b,4.4L **¶611833912**
BJI V 17 17 45 52.7–.00 12.66N 93.83E 102 4.8b,4.7b
DJA V 17 17 45 53.7–.40 13N–4.0 94E–5.0 95–5 5.8,5.7
IDC V 17 17 45 53.5–.62 12.69N 93.74E 97–4 4.4,4.1b
NEIC V 17 17 45 54.8–1.4 12.71N–.08 93.60E–.08 101–6 4.6b,4.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 21 17 29 32.1–1.2 11.5N–.20 95.2E–.20 24 3.4b 10 8-61
IDC V 21 17 29 28.4–1.1 11.46N 95.14E 0 3.6L,3.5 **¶610685094**
ISC Event type ke.
IDC Error ellipse: s-maj=41.5km s-min=19.1km az=56.0.
ISC V 21 17 38 11.6–.47 11.51N–.06 95.03E–.06 24 4.3b,3.7s 103 2-121
BGR V 21 17 38 05.1 9.42N 97.34E 33 4.4b,3.7s **¶610646095**
IDC V 21 17 38 08.3–.66 11.49N 95.01E 0 4.0,4.0b
NEIC V 21 17 38 11.7–2.2 11.51N–.08 95.09E–.07 21–6 4.6b,4.0b
BJI V 21 17 38 13.5–.00 11.81N 94.56E 7 4.6b,4.4b
NDI V 21 17 38 28.7–3.4 12.68N 93.04E 20 5.0b,4.6b
ISC Event type se.
BGR Event type ke.
IDC Error ellipse: s-maj=22.0km s-min=14.1km az=52.0.
NEIC Event type se. Error ellipse: s-maj=12.1km s-min=8.6km az=207.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NDI Error ellipse: s-maj=16.9km s-min=61.1km az=-1.0.
ISC V 29 09 47 29.1–.98 14.2N–.10 93.5E–.10 35 3.7b 16 7-89
IDC V 29 09 47 23.9–1.0 14.13N 93.52E 0 4.0L,3.7 **¶610685604**
ISC Event type ke.
IDC Error ellipse: s-maj=32.7km s-min=23.9km az=61.0.
ISC V 30 22 24 44.4–.42 10.25N–.06 93.22E–.06 100 4.2b 95 1-89
IDC V 30 22 24 41.2–3.4 10.16N 93.11E 74–31 4.2,3.9b **¶610685752**
NEIC V 30 22 24 43.9–1.8 10.30N–.08 93.2E–.10 82–7 4.4b,3.9b
NDI V 30 22 24 45.2–3.4 10.43N 93.21E 110 4.5L,4.4b
ISC Event type se.
IDC Error ellipse: s-maj=23.5km s-min=13.1km az=57.0.
NEIC Event type se. Error ellipse: s-maj=17.4km s-min=9.1km az=60.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NDI Error ellipse: s-maj=23.4km s-min=14.6km az=-1.0.
IDC VI 17 21 26 18.0–9.8 11.11N 95.08E 0 3.5,3.5b
¶610792081
IDC Error ellipse: s-maj=166.7km s-min=71.9km az=168.0.
ISC VI 24 14 26 42.1–.46 10.05N–.08 93.57E–.07 24 4.1b,3.2s 52 2-146
NEIC VI 24 14 26 44.8–2.7 10.1N–.20 93.6E–.20 35–2 4.4b,3.2s **¶610789390**
IDC VI 24 14 26 50.1–3.5 10.23N 93.71E 84–31 3.9,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=46.7km s-min=11.2km az=237.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=19.2km s-min=13.4km az=51.0.
IDC VI 27 18 09 56.6–2.1 10.51N 92.69E 0 3.5b,3.4
¶610789588
IDC Error ellipse: s-maj=72.5km s-min=24.6km az=65.0.
ISC VI 30 04 31 43.6–.74 10.8N–.10 93.8E–.20 150 3.8b 21 9-137
IDC VI 30 04 31 43.3–5.0 10.79N 93.76E 148–47 4.0,3.7b **¶610789755**
ISC Event type ke.
IDC Error ellipse: s-maj=29.3km s-min=13.6km az=57.0.

(704) Nicobar Islands region.

ISC I 05 20 28 54.0–.38 7.24N–.05 94.90E–.05 206 4.2b 130 3-147
DJA I 05 20 28 53.3–.40 7N–4.0 95E–5.0 215–5 4.8,4.7b **¶610001688**
NDI I 05 20 28 54.1–4.2 7.37N 95.19E 222–48 4.6b,4.4b
NEIC I 05 20 28 54.0–1.9 7.26N–.08 94.87E–.09 202–8 4.4b,4.4b
IDC I 05 20 28 56.4–2.2 7.17N 94.92E 231–20 4.2,3.7b
ISC Event type se.
NDI Error ellipse: s-maj=48.4km s-min=42.0km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=13.9km s-min=10.2km az=45.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=14.8km s-min=10.5km az=47.0.
ISC I 25 22 34 42.1–1.5 7.4N–.20 93.1E–.30 35 3.5b 6 12-73
IDC I 25 22 34 36.8–1.8 7.34N 93.09E 0 3.7,3.7b **¶610235346**
ISC Event type ke.
IDC Error ellipse: s-maj=71.2km s-min=24.7km az=59.0.
ISC I 28 22 26 15.4–1.1 8.3N–.20 93.0E–.10 50 3.6b 15 12-79
IDC I 28 22 26 08.6–1.1 8.21N 93.00E 0 3.7,3.7b **¶610235596**
ISC Event type ke.
IDC Error ellipse: s-maj=30.8km s-min=19.1km az=43.0.
ISC II 07 09 47 47.6–1.7 6.5N–.20 92.1E–.30 10 3.7b 8 14-51
IDC II 07 09 47 46.1–2.0 6.49N 92.14E 0 4.3L,3.7 **¶610415033**
ISC Event type ke.
IDC Error ellipse: s-maj=78.9km s-min=21.7km az=67.0.
ISC III 10 07 34 07.7–4.9 8.8N–.60 90.9E–.30 35 3.8b 7 10-47
IDC III 10 07 34 01.5–8.0 8.56N 91.10E 0 4.2L,3.9 **¶610545934**
ISC Event type ke.
IDC Error ellipse: s-maj=155.7km s-min=37.7km az=149.0.
ISC III 10 12 39 33.9–.57 8.43N–.06 91.90E–.07 24 4.2b,3.1s 66 3-78
NEIC III 10 12 39 35.3–2.7 8.38N–.09 91.82E–.07 32–5 4.3b,3.1s **¶610545957**
NDI III 10 12 39 36.1–2.0 8.74N 91.72E 10 4.6b,4.3b
IDC III 10 12 39 37.0–3.1 8.36N 91.89E 49–32 4.2L,4.1
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=9.8km az=194.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NDI Error ellipse: s-maj=15.5km s-min=9.9km az=-1.0.
IDC Error ellipse: s-maj=30.8km s-min=16.1km az=54.0.
IDC III 11 22 46 45.1–8.6 7.45N 93.53E 0 3.3,3.3b
¶610546041
IDC Error ellipse: s-maj=438.6km s-min=31.2km az=58.0.
ISC III 14 02 51 18.6–.32 6.16N–.03 92.30E–.03 26–1 5.8b,5.7s 1853 4-169
MOS III 14 02 51 14.2–.93 6.18N 92.25E 10 6.0b,5.6s **¶611832065**
IDC III 14 02 51 14.7–.36 6.21N 92.32E 0 5.7L,5.5s
BJI III 14 02 51 14.2–.00 6.07N 92.26E 15 5.9s,5.7
DJA III 14 02 51 15.6–.10 6N–2.0 92E–2.0 10 6.5,6.2b
BGR III 14 02 51 16.0 6.56N 92.81E 26–0 5.7s,5.7b
NEIC III 14 02 51 16 6.13N 92.32E 12 5.7s,5.7b
NEIC III 14 02 51 16.8–1.4 6.15N–.07 92.30E–.07 10–1 6.0,5.9
NEIC III 14 02 51 17 6.13N 92.32E 10 6.0,5.9
GCMT III 14 02 51 19.8–.10 6.23N 92.17E 17–0 6.0W,5.9
NEIC III 14 02 51 22 6.03N 92.22E 22 6.0W,5.9
KLM III 14 02 51 24 6.03N 92.34E 50 5.8b,5.9
ISC Event type ke. Moment Tensor Solution. NP1:ϕ_s295.45270°,δ57.37120°,λ-134.50633°. NP2:ϕ_s176.70499°,δ53.08561°,λ-42.40647°. Principal axes: T Plg2.4894°,Azm55.1978° ; N Plg36.1825°,Azm323.3755°; P Plg53.7041°,Azm148.5914°
MOS Error ellipse: s-maj=5.7km s-min=3.4km az=113.6.
IDC Error ellipse: s-maj=11.0km s-min=8.5km az=21.0.
BGR Event type ke.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=10.3km az=225.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-2.35 $M_{\theta\theta}$-2.70 $M_{\phi\phi}$5.05 $M_{r\theta}$3.06 $M_{\theta\phi}$-5.44 $M_{\phi r}$-0.79 NP1:ϕ_s292.00000°,δ78.23000°,λ-150.01000°. NP2:ϕ_s195.29000° ,δ60.71000°,λ-13.52000°. Principal axes: T 8.2867,Plg12.0000°,Azm61.0000° ; N -1.4527,Plg58.0000°,Azm311.0000°; P -6.8340,Plg29.0000°,Azm157.0000° $M_0$7.66000×10^{17}
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s157,c334; s164,c581; Duration: 2♮3 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.33±.01 $M_{\theta\theta}$-0.54±.01; $M_{\phi\phi}$0.86±.01; $M_{r\theta}$0.08±.01; $M_{\theta\phi}$-0.84±.01; $M_{\phi r}$-0.21±.02; Best double couple: NP1:ϕ_s200.00000°,δ86.00000° ,λ7.00000°. NP2:ϕ_s110.00000°,δ83.00000°,λ176.00000°. Principal axes: T 1.2880,Plg8.0000°,Azm65.0000°; N -0.3580,Plg82.0000°,Azm231.0000° ; P -0.9310,Plg2.0000°,Azm335.0000° $M_0$1.10900×10^{18}
NEIC Event type se. Moment Tensor Solution.Duration: 12♮0 Moment tensor: Scale 10^{18}Nm; M_{rr}-0.30 $M_{\theta\theta}$-0.53 $M_{\phi\phi}$0.83 $M_{r\theta}$0.02 $M_{\theta\phi}$-0.81 $M_{\phi r}$0.29 NP1:ϕ_s290.00000°,δ74.00000° ,λ-177.00000°. NP2:ϕ_s199.00000°,δ87.00000°,λ-15.00000°. Principal axes: T 1.2495,Plg9.0000°,Azm245.0000°; N -0.3098,Plg74.0000°,Azm10.0000° ; P -0.9397,Plg13.0000°,Azm153.0000° $M_0$1.13000×10^{18}
ISC III 19 08 57 04.6–.39 9.94N–.05 93.46E–.04 24 4.5b,3.6s 159 2-148
BJI III 19 08 57 03.8–.00 9.78N 93.46E 38 4.7b,4.5b **¶610346023**
NDI III 19 08 57 05.5–3.0 10.21N 93.81E 10 4.6b,4.0L
NEIC III 19 08 57 07.0–1.4 9.96N–.07 93.56E–.07 36–8 4.6b,4.0L
DJA III 19 08 57 08.5–.40 10N–4.0 94E–4.0 93–6 5.3b,4.8
IDC III 19 08 57 08.2–3.2 10.08N 93.63E 53–28 4.2,4.0b
ISC Event type se.
NDI Error ellipse: s-maj=18.6km s-min=19.6km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=11.4km s-min=8.5km az=218.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=18.7km s-min=12.8km az=55.0.
ISC III 24 00 20 20.3–.96 6.2N–.10 93.0E–.10 27 3.7b 13 12-63
IDC III 24 00 20 16.3–1.0 6.22N 93.03E 0 3.8L,3.7 **¶610543569**
ISC Event type ke.
IDC Error ellipse: s-maj=37.8km s-min=18.1km az=52.0.
ISC III 26 17 50 43.2–1.1 9.8N–.20 93.3E–.10 35 3.5b 7 10-61
IDC III 26 17 50 37.8–1.4 9.64N 93.16E 0 3.5,3.5b **¶610543738**
ISC Event type ke.
IDC Error ellipse: s-maj=51.8km s-min=24.0km az=49.0.
ISC III 29 19 30 44.2–1.2 7.2N–.20 94.1E–.20 150 3.5b 15 12-80
IDC III 29 19 30 44.4–8.4 7.18N 94.10E 152–74 3.6,3.2b **¶610543952**
ISC Event type ke.
IDC Error ellipse: s-maj=52.0km s-min=17.8km az=49.0.
ISC III 31 09 58 23.3–.88 9.9N–.10 93.4E–.10 24 3.8b 10 10-146
IDC III 31 09 58 20.0–1.1 10.16N 93.81E 0 3.7,3.7b **¶610544044**
ISC Event type ke.
IDC Error ellipse: s-maj=67.4km s-min=18.8km az=57.0.
ISC IV 04 17 00 46.1–1.6 6.6N–.20 94.1E–.30 10 3.4b 13 13-49
IDC IV 04 17 00 47.0–3.0 6.63N 94.54E 0 3.5L,3.2 **¶610651935**
ISC Event type ke.
IDC Error ellipse: s-maj=103.9km s-min=28.8km az=66.0.
IDC IV 16 01 15 37.7–2.0 6.96N 93.61E 0 4.1L,3.5
¶610652836
IDC Error ellipse: s-maj=80.1km s-min=25.4km az=60.0.
ISC IV 18 05 41 00.5–1.3 6.7N–.20 91.7E–.10 35 3.7b 6 11-51
IDC IV 18 05 40 56.7–1.5 6.74N 91.96E 0 3.8L,3.6 **¶610652967**
ISC Event type ke.
IDC Error ellipse: s-maj=44.9km s-min=24.5km az=54.0.
ISC IV 20 15 52 28.5–1.0 9.8N–.20 91.1E–.10 35 3.5b 7 11-53
IDC IV 20 15 52 24.1–1.5 9.79N 91.22E 0 3.4,3.4b **¶610653122**
ISC Event type ke.
IDC Error ellipse: s-maj=37.0km s-min=26.4km az=67.0.
ISC IV 21 06 36 31.0–1.2 7.8N–.10 92.0E–.10 25 3.6b 9 11-51
IDC IV 21 06 36 27.3–1.5 7.78N 92.00E 0 4.2L,3.7 **¶610653165**
ISC Event type ke.
IDC Error ellipse: s-maj=41.4km s-min=27.2km az=49.0.
IDC IV 22 20 37 13.2–1.6 8.36N 90.76E 0 3.7L,3.5
¶610653282
IDC Error ellipse: s-maj=33.9km s-min=29.3km az=26.0.
ISC V 13 02 53 32.5–1.0 8.0N–.20 92.1E–.20 25 3.8b 11 11-76
IDC V 13 02 53 28.6–1.1 8.01N 92.00E 0 4.8L,3.8 **¶610690166**
ISC Event type ke.
IDC Error ellipse: s-maj=39.2km s-min=20.1km az=52.0.
IDC V 13 02 55 59.4–4.5 7.81N 91.78E 0 3.4,3.4b

¶610690167
IDC Error ellipse: s-maj=171.7km s-min=28.7km az=64.0.
ISC V 16 03 51 15.7–1.4 9.4N–.20 93.3E–.20 29 4.3b 6 11-78
IDC V 16 03 51 11.3–1.6 9.40N 93.31E 0 4.1,4.1b ¶610690380
ISC Event type ke.
IDC Error ellipse: s-maj=54.4km s-min=26.3km az=51.0.
ISC V 27 17 40 18.7–1.1 7.1N–.20 93.0E–.10 100 3.6b 9 12-76
IDC V 27 17 40 17.0–3.9 7.07N 92.99E 81–37 3.7,3.4b ¶610685509
ISC Event type ke.
IDC Error ellipse: s-maj=36.7km s-min=16.9km az=45.0.
ISC VI 03 09 09 55.5–.99 7.5N–.20 94.4E–.20 200 3.5b 14 12-139
IDC VI 03 09 09 58.0–6.3 7.65N 94.60E 220–56 3.8,3.3b ¶610791168
ISC Event type ke.
IDC Error ellipse: s-maj=53.4km s-min=14.6km az=54.0.
ISC VI 12 00 09 04.5–.47 6.40N–.09 92.68E–.08 26 4.4b,3.8s 75 4-145
NEIC VI 12 00 09 05.3–1.1 6.4N–.10 92.66E–.09 32–6 4.5b,3.8s ¶610791687
IDC VI 12 00 09 06.4–.54 6.38N 92.63E 40–3 4.1L,4.0
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=19.4km s-min=11.6km az=204.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=25.6km s-min=12.0km az=52.0.
IDC VI 18 11 04 42.9–2.5 9.52N 93.08E 0 3.5s,3.4
¶610792118
IDC Error ellipse: s-maj=80.8km s-min=28.1km az=66.0.
IDC VI 19 16 17 39.4–14 6.38N 93.36E 196–118 3.4,2.8b
¶610792201
IDC Error ellipse: s-maj=136.6km s-min=21.9km az=62.0.
ISC VI 25 15 44 17.3–.42 6.28N–.04 94.47E–.05 91–3 4.5b 114 3-147
NEIC VI 25 15 44 16.9–1.4 6.27N–.08 94.30E–.09 84–7 4.5b ¶610694592
IDC VI 25 15 44 17.4–.58 6.37N 94.48E 87–5 4.2,3.8b
DJA VI 25 15 44 25.1–1.3 6N–8.0 95E–11 107–14 5.1b,4.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(705) Off west coast of northern Sumatera.
ISC I 01 22 58 00.1–.42 3.90N–.06 94.60E–.06 29 4.5b,3.5s 134 2-145
IDC I 01 22 57 56.0–.62 4.00N 94.62E 0 4.3b,4.2 ¶609949337
BJI I 01 22 57 59.3–.00 4.02N 94.65E 29 5.0b,4.4b
DJA I 01 22 58 00.8–.60 4N–4.0 95E–3.0 35–7 5.3b,4.7
NEIC I 01 22 58 01.6–.84 3.97N–.09 94.60E–.07 31–5 4.6b,4.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC I 03 07 17 10.2–2.4 5.07N 92.37E 0 3.4,3.4b
¶610236540
IDC Error ellipse: s-maj=113.2km s-min=32.7km az=52.0.
ISC I 05 03 55 49.7–1.1 2.50N–.07 95.79E–.09 25 3.8b 15 1-81
IDC I 05 03 55 45.5–2.3 2.43N 95.75E 0 4.3L,4.0s ¶610236752
DJA I 05 03 55 50.9–1.0 3N–4.0 96E–7.0 28–4 3.9b,3.7
ISC Event type ke.
ISC I 11 07 12 09.7–2.2 2.4N–.20 93.5E–.20 35 3.7b 6 5-52
IDC I 11 07 12 03.9–2.8 2.28N 93.27E 0 3.7,3.7b ¶610237132
ISC Event type ke.
IDC Error ellipse: s-maj=69.3km s-min=29.1km az=50.0.
IDC I 13 15 37 30.1–24 3.42N 93.14E 0 3.8L,3.6b
¶610237301
IDC Error ellipse: s-maj=504.8km s-min=117.3km az=144.0.
IDC I 15 01 52 50.3–72 2.54N 94.60E 0 3.4,3.4b
¶610237404
IDC Error ellipse: s-maj=1364.0km s-min=164.9km az=179.0.
ISC I 15 18 35 39.4–2.8 3.2N–.30 95.9E–.60 50 3.2b 6 15-51
IDC I 15 18 35 48.2–16 3.30N 96.00E 132–138 3.7L,3.3 ¶610237453
ISC Event type ke.
IDC Error ellipse: s-maj=155.6km s-min=21.5km az=59.0.
ISC I 18 04 56 40.9–1.4 0.8N–.20 92.8E–.20 10 3.8b,3.4s 9 6-146
IDC I 18 04 56 39.2–1.5 0.80N 92.66E 0 4.1L,3.6 ¶610237642
ISC Event type ke.
IDC Error ellipse: s-maj=47.8km s-min=22.4km az=53.0.
ISC I 23 20 48 15.6–.46 2.77N–.05 95.52E–.06 27 4.5b,4.5s 174 1-145
IDC I 23 20 48 11.9–.74 2.76N 95.46E 0 4.3L,4.2 ¶615527885
DJA I 23 20 48 14.2–.50 3N–3.0 95E–3.0 19–3 5.2b,4.9
BJI I 23 20 48 16.0–.00 2.94N 95.57E 31 5.0b,4.8s
NEIC I 23 20 48 17.2–1.8 2.82N–.06 95.56E–.09 32–5 4.6b,4.8s
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 23 20 48 39.1–.41 2.81N–.06 95.49E–.05 27 4.8b,4.5s 140 3-145
IDC I 23 20 48 35.0–.68 2.73N 95.41E 0 4.5,4.5b ¶610105813
NEIC I 23 20 48 39.6–1.4 2.80N–.07 95.41E–.07 29–5 4.9b,4.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 11 22 34 29.0–3.1 0.9N–.40 97.0E–.70 25 3.5b 6 18-54
IDC II 11 22 34 24.9–3.2 0.78N 96.86E 0 4.1L,3.5 ¶610415337
ISC Event type ke.
IDC Error ellipse: s-maj=122.6km s-min=23.8km az=60.0.
ISC II 12 12 35 53.0–1.2 2.55N–.08 95.7E–.10 25 3.9b 16 1-56
IDC II 12 12 35 48.6–2.6 2.47N 95.66E 0 4.1L,3.8 ¶610415380
DJA II 12 12 35 53.3–1.7 3N–4.0 96E–10 15–7 4.4b,4.2
ISC Event type ke.
ISC II 14 07 22 08.1–2.1 2.1N–.20 93.7E–.20 10 7 3-72
IDC II 14 07 22 10.6–13 2.55N 93.81E 0 4.6L,3.7 ¶610415493
DJA II 14 07 22 22.3–2.3 2N–9.0 95E–19 10 3.9,3.9
ISC Event type ke.
ISC II 15 19 32 40.1–.67 4.20N–.08 93.02E–.08 19 4.1b 46 3-80
DJA II 15 19 32 33.9–.40 4N–5.0 93E–4.0 10 5.6b,5.2 ¶610415582
IDC II 15 19 32 37.0–1.2 4.13N 92.99E 0 3.8,3.8b
NEIC II 15 19 32 39.6–.92 4.18N–.09 92.99E–.08 10–1 4.1b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC II 18 17 51 46.9–2.9 4.84N 92.05E 0 3.3s,3.3
¶610415770
IDC Error ellipse: s-maj=109.1km s-min=26.6km az=61.0.
ISC II 20 06 10 34.5–.33 2.26N–.05 95.15E–.05 18 4.9b,4.2s 278 1-147
BJI II 20 06 10 28.9–.00 1.96N 95.10E 10 5.1b,4.8b ¶611831844
IDC II 20 06 10 31.8–.56 2.33N 95.16E 0 4.8L,4.5
DJA II 20 06 10 34.8–.40 2N–4.0 95E–3.0 10 5.4b,5.1b
NEIC II 20 06 10 35.6–1.6 2.39N–.07 95.30E–.08 17–3 5.0b,5.1b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 21 14 46 42.6–1.0 3.60N–.06 95.2E–.10 33 3.9b 25 1-51
IDC II 21 14 46 36.5–2.4 3.32N 94.86E 0 3.8L,3.6 ¶610384758
DJA II 21 14 46 40.4–1.1 4N–4.0 95E–8.0 10 4.8b,4.2b
NEIC II 21 14 46 43.6–1.6 3.89N–.06 95.1E–.10 35–2 4.5b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 27 11 26 22.5–.47 2.28N–.05 95.29E–.05 10 4.7b,3.9s 104 1-144
IDC II 27 11 26 19.9–.77 2.34N 95.29E 0 4.2L,4.0 ¶610241599
DJA II 27 11 26 25.2–.70 2N–3.0 95E–3.0 12–4 5.5b,5.0
NEIC II 27 11 26 25.3–1.7 2.32N–.08 95.3E–.10 29–6 4.8b,5.0
BJI II 27 11 26 26.8–.00 2.88N 95.61E 10 4.9b,4.6b
ISC Event type se.
IDC Error ellipse: s-maj=30.9km s-min=16.8km az=49.0.
NEIC Event type se. Error ellipse: s-maj=20.4km s-min=6.4km az=61.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 27 19 34 55.0–1.0 2.5N–.10 90.02E–.08 10 3.8b 31 7-64
IDC II 27 19 34 52.7–1.5 2.31N 89.69E 0 4.1L,3.6 ¶610385150
NEIC II 27 19 34 55.2–1.6 2.5N–.10 90.03E–.04 10–2 4.2b,3.6
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 01 04 41 22.9–.54 4.70N–.07 94.47E–.09 35 4.4b 49 2-146
DJA III 01 04 41 23.6–2.0 4N–6.0 95E–17 10 5.5b,5.0 ¶610545291
NEIC III 01 04 41 25.4–1.0 4.9N–.10 94.6E–.10 47–8 4.5b,5.0
IDC III 01 04 41 33.1–8.4 4.90N 94.73E 125–77 4.2,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=18.3km s-min=13.6km az=225.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=39.0km s-min=15.4km az=58.0.
ISC III 01 18 53 16.6–.93 3.02N–.06 95.7E–.10 27 4.0b 27 1-80
DJA III 01 18 53 15.2–1.4 3N–4.0 95E–8.0 21–11 4.0b,3.8 ¶610545341
NEIC III 01 18 53 17.3–.32 2.97N–.08 95.7E–.20 28–9 4.0b,3.8
IDC III 01 18 53 31.6–12 3.44N 95.42E 134–102 3.9,3.9L
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=23.0km s-min=10.8km az=75.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=106.0km s-min=19.7km az=59.0.
IDC III 04 14 45 43.1–5.5 2.61N 90.18E 0 3.6,3.6b
¶610545532
IDC Error ellipse: s-maj=179.1km s-min=35.5km az=61.0.
IDC III 14 03 16 15.0–1.6 5.72N 92.07E 0 3.6,3.5b
¶610546173
IDC Error ellipse: s-maj=58.3km s-min=25.2km az=49.0.
ISC III 14 13 13 37.0–.23 3.63N–.03 95.81E–.03 45–1 5.4b,4.7s 1525 1-167
BJI III 14 13 13 35.6–.00 3.63N 95.76E 52 5.4b,5.1b ¶611832053
MOS III 14 13 13 35.7–.96 3.81N 95.91E 39 5.6b,4.9s
BGR III 14 13 13 37.2 3.63N 95.46E 30–0 5.6b,4.9s
DJA III 14 13 13 37.7–.20 4N–1.0 96E–2.0 47–2 5.7b,5.5
IDC III 14 13 13 37.8–1.5 3.80N 95.87E 45–13 5.1,4.9b
NEIC III 14 13 13 38.1 3.64N 95.86E 41 5.1,4.9b
NEIC III 14 13 13 38.1 3.84N 96.26E 40 5.1,4.9b
NEIC III 14 13 13 38.3–2.1 3.64N–.06 95.86E–.07 45–4 5.5b,5.2
GCMT III 14 13 13 40.3–.20 3.59N–.01 95.71E–.01 39–0 5.3W,5.2
ISC Event type ke. Moment Tensor Solution. NP1:ϕs129.02403°,δ61.74500°,λ77.18610°. NP2: ϕs334.68658°,δ30.80531°,λ112.42474°. Principal axes: T Plg70.4047°,Azm11.1446° ; N Plg11.2657°,Azm135.1696°; P Plg15.8191°,Azm228.4050°
BGR Event type ke.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 1s1.0 Moment tensor: Scale 10^{16}Nm; Mrr3.40 Mθθ-0.97 Mϕϕ-2.44 Mrθ2.71 Mϕθ2.77 Mϕr-5.21 NP1:ϕs151.76000°,δ73.23000° ,λ97.24000°. NP2:ϕs307.99000°,δ18.23000°,λ67.29000°. Principal axes: T 6.5952,Plg61.0000°,Azm72.0000°; N 1.0333,Plg7.0000°,Azm330.0000° ; P -7.6285,Plg28.0000°,Azm236.0000° M0 7.11000×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s73,c113; s110,c175;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; Mrr0.64±.02 Mθθ-0.20±.01; Mϕϕ-0.43±.02; Mrθ0.22±.02; Mϕθ0.40±.01; Mϕr-0.65±.02; Best double couple: NP1:ϕs157.00000°,δ68.00000°,λ102.00000°. NP2:ϕs308.00000°,δ25.00000°,λ64.00000°. Principal axes: T 0.9440,Plg65.0000° ,Azm86.0000°; N 0.0550,Plg11.0000°,Azm332.0000°; P -1.0000,Plg22.0000°,Azm238.0000° M0 0.97200×10^{17}
IDC IV 09 04 12 16.5–10 2.58N 95.73E 0 4.7L,3.9
¶610652275
IDC Error ellipse: s-maj=208.3km s-min=114.4km az=149.0.
ISC IV 22 08 52 19.3–1.1 2.69N–.09 95.3E–.10 25 4.1b 17 1-81
IDC IV 22 08 52 15.5–1.9 2.67N 95.25E 0 4.5L,4.0 ¶610653253
DJA IV 22 08 52 22.5–1.4 3N–6.0 95E–12 44–27 4.2b,4.0
ISC Event type ke.
ISC IV 22 21 07 43.9–.92 3.5N–.10 92.76E–.10 10 3.7b 13 5-80
IDC IV 22 21 07 42.2–1.3 3.53N 92.82E 0 3.8,3.8b ¶610653286
ISC Event type ke.
IDC Error ellipse: s-maj=51.4km s-min=20.9km az=46.0.
IDC IV 27 17 52 01.9–3.4 3.12N 95.44E 0 3.4,3.4b
¶610650152
IDC Error ellipse: s-maj=129.7km s-min=28.0km az=61.0.
ISC IV 28 22 43 36.7–.64 1.67N–.07 96.80E–.08 28 4.2b 47 1-84
IDC IV 28 22 43 32.5–1.1 1.63N 96.80E 0 4.2L,4.0 ¶610650263
DJA IV 28 22 43 36.3–1.1 2N–4.0 97E–7.0 20–13 5.5b,5.0
NEIC IV 28 22 43 38.2–1.1 1.70N–.08 96.9E–.10 29–7 4.4b,5.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 29 03 24 08.9–1.3 1.8N–.10 95.3E–.20 35 3.8b 20 2-56
IDC IV 29 03 24 04.8–3.1 1.66N 95.26E 0 4.7L,3.7 ¶610650280
NEIC IV 29 03 24 08–2.9 1.78N–.07 95.36E–.07 29–7 4.1b,3.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC V 01 11 53 29.5–3.3 3.53N 94.37E 0 3.7s,3.7L
¶610689304
IDC Error ellipse: s-maj=124.5km s-min=28.7km az=62.0.
ISC V 05 21 11 50.8–.92 3.99N–.05 95.95E–.09 50 3.5b 16 1-66
IDC V 05 21 11 43.7–1.7 4.09N 96.04E 0 3.5,3.5b ¶610689629
DJA V 05 21 11 54.8–.50 4N–3.0 96E–6.0 38–6 4.0b,3.7
ISC Event type ke.
ISC V 07 11 29 18.9–.32 3.96N–.04 95.85E–.04 55–2 4.7b,3.7s 355 1-146
DJA V 07 11 29 18.3–.40 4N–2.0 96E–3.0 48–3 5.1b,5.0b ¶610617831
BJI V 07 11 29 18.0–.00 3.83N 95.83E 75 4.8b,4.8b
MOS V 07 11 29 18.1–.89 4.05N 95.97E 62 4.9b,4.8b
IDC V 07 11 29 19.0–.69 4.07N 96.05E 52–5 4.6,4.3b
NEIC V 07 11 29 19.1–1.7 3.93N–.06 95.87E–.09 49–7 5.0b,4.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 15 08 57 10.7–1.3 2.55N–.08 95.9E–.10 25 4.1b 12 0-63
IDC V 15 08 57 06.5–3.2 2.38N 95.87E 0 4.4L,3.9 ¶610690330
DJA V 15 08 57 08.9–1.7 3N–5.0 96E–11 12–6 4.3b,4.1
ISC Event type ke.
ISC V 30 08 49 35.3–1.7 4.9N–.20 94.8E–.40 10 3.8b 6 14-78
IDC V 30 08 49 32.2–1.8 4.45N 94.18E 0 4.2L,3.8 ¶610685708
ISC Event type ke.
IDC Error ellipse: s-maj=86.2km s-min=22.4km az=55.0.
IDC VI 04 14 27 15.5–4.4 3.19N 94.06E 0 3.5,3.5b
¶610791237
IDC Error ellipse: s-maj=180.9km s-min=30.5km az=60.0.
ISC VI 05 08 51 37.6–1.3 2.70N–.08 95.7E–.10 25 3.7b 15 1-63
IDC VI 05 08 51 31.9–2.8 2.42N 95.17E 0 4.1L,3.5 ¶610791272
DJA VI 05 08 51 37.2–1.6 3N–6.0 96E–14 26–13 5.2b,4.6
ISC Event type ke.
IDC VI 11 01 35 01.4–8.2 4.99N 94.47E 0 3.6,3.6b
¶610791627
IDC Error ellipse: s-maj=394.4km s-min=27.1km az=58.0.
IDC VI 15 19 13 54.6–3.5 2.87N 94.07E 0 3.5L,3.3
¶610791962
IDC Error ellipse: s-maj=124.2km s-min=30.0km az=62.0.
ISC VI 17 07 33 56.5–1.9 2.5N–.20 95.9E–.10 25 3.6b 8 0-62
DJA VI 17 07 33 53.7–1.9 2N–7.0 96E–14 30–11 4.0,4.0 ¶610792049
IDC VI 17 07 33 56.0–8.1 3.09N 96.74E 0 3.6,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=392.0km s-min=30.9km az=55.0.
ISC VI 18 01 45 11.4–.78 2.32N–.10 93.03E–.07 21 3.9b,3.4s 22 3-145
IDC VI 18 01 45 08.3–1.1 2.29N 93.05E 0 4.2L,3.9 ¶610792087
DJA VI 18 01 45 17.5–1.0 2N–4.0 94E–8.0 10 5.3b,5.2b

ISC Event type ke.
ISC VI 25 14 38 23.1–.93 2.51N–.07 95.91E–.10 25 4.1b 34 0-81
IDC VI 25 14 38 19.4–1.8 2.47N 95.93E 0 3.9L,3.8 **¶610789451**
NEIC VI 25 14 38 23.1–1.6 2.49N–.07 95.88E–.05 24–8 4.2b,3.8
DJA VI 25 14 38 24.0–1.4 3N–6.0 96E–12 26–5 3.8,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

(706) Northern Sumatera.

IDC I 01 21 02 38.5–12 2.60N 99.28E 213–117 3.3,2.7b ¶610236416
IDC Error ellipse: s-maj=100.4km s-min=17.7km az=59.0.
ISC I 01 22 45 21.0–.95 1.37N–.08 99.28E–.07 10 3.9b 12 1-83
IDC I 01 22 45 17.4–10 1.02N 98.80E 0 3.9,3.9b **¶610236427**
DJA I 01 22 45 22.0–.30 1N–3.0 99E–3.0 10 3.5,3.5
ISC Event type ke.
ISC I 02 14 03 54.9–.51 1.87N–.03 98.94E–.04 122–4 4.4b 115 1-142
IDC I 02 14 03 53.7–.82 1.70N 98.89E 118–5 4.5s,4.2 **¶609949691**
NEIC I 02 14 03 55.6–1.6 1.90N–.06 98.95E–.06 120–5 4.5b,4.2
DJA I 02 14 03 56.0–.30 2N–2.0 99E–2.0 108–4 4.2,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
DJA I 05 09 14 59.7–.30 2N–2.0 99E–3.0 10 3.8L,3.6 ¶615345180
ISC I 06 10 24 59.0–.23 1.46N–.03 98.11E–.03 50–1 5.2b,4.5s 907 1-162
MOS I 06 10 24 57.7–.97 1.47N 98.10E 55 5.5b,4.6s **¶610019737**
BJI I 06 10 24 57.1–.00 1.43N 98.19E 54 5.2b,5.1b
GCMT I 06 10 24 59.2–.20 1.51N–.01 98.05E–.01 72–2 5.0W,5.1b
DJA I 06 10 24 59.9–.20 1N–2.0 98E–2.0 61–2 5.7,5.6b
NEIC I 06 10 24 59.2–2.0 1.53N–.06 98.14E–.05 42–4 5.4b,5.1
IDC I 06 10 25 00.3–1.1 1.42N 98.16E 66–9 4.9,4.6b
KLM I 06 10 25 00 1.45N 98.05E 29 5.5b,4.6b
NEIC I 06 10 25 01 1.47N 97.98E 46 5.5b,4.6b
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s145.64601°,δ19.86806°,λ-67.54913°. NP2: ϕ_s301.92719°,δ71.69370°,λ-97.85730°. Principal axes: T Plg26.2902°,Azm38.1168° ; N Plg7.4573°,Azm304.4092°; P Plg62.5133°,Azm199.8376°
MOS Error ellipse: s-maj=6.4km s-min=3.7km az=112.5.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s66,c92; s90,c128;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-2.28±.14 $M_{\theta\theta}$1.18±.14; $M_{\phi\phi}$1.10±.17; $M_{r\theta}$2.69±.08; $M_{\theta\phi}$-0.31±.13; $M_{\phi r}$-2.72±.08; Best double couple: NP1:ϕ_s315.00000°,δ77.00000°,λ-89.00000°. NP2:ϕ_s132.00000°,δ13.00000°,λ-93.00000°. Principal axes: T 3.8400,Plg32.0000° ,Azm44.0000°; N 0.8310,Plg1.0000°,Azm135.0000°; P -4.6710,Plg58.0000°,Azm226.0000° $M_0$4.25600×10^{16}
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=6.9km az=192.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=10.1km s-min=6.6km az=49.0.
NEIC Event type se. Moment Tensor Solution.Duration: 2s0 Moment tensor: Scale 10^{16}Nm; M_{rr}-3.42 $M_{\theta\theta}$1.15 $M_{\phi\phi}$2.27 $M_{r\theta}$3.05 $M_{\theta\phi}$0.04 $M_{\phi r}$-3.53 NP1:ϕ_s169.00000°,δ16.00000° ,λ-66.00000°. NP2:ϕ_s324.00000°,δ75.00000°,λ-96.00000°. Principal axes: T 4.5837,Plg30.0000°,Azm60.0000°; N 1.5970,Plg7.0000°,Azm326.0000° ; P -6.1807,Plg59.0000°,Azm225.0000° $M_0$5.56000×10^{16}
ISC I 06 11 03 31.2–.34 1.41N–.04 98.08E–.04 50 4.6b,3.5s 148 1-146
IDC I 06 11 03 23.8–.55 1.34N 97.98E 0 4.3,4.3b **¶610019739**
BJI I 06 11 03 27.5–.00 0.96N 98.01E 66 5.0b,4.6b
DJA I 06 11 03 32.2–.20 1N–2.0 98E–2.0 49–5 5.8,5.7
NEIC I 06 11 03 32.5–1.5 1.42N–.06 98.07E–.05 57–6 4.8b,5.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 08 04 09 27.0–2.0 1.6N–.20 97.3E–.40 28 3.9b 9 17-56
IDC I 08 04 09 22.4–2.0 1.51N 97.13E 0 3.8,3.8b **¶610236938**
ISC Event type ke.
IDC Error ellipse: s-maj=68.0km s-min=22.0km az=57.0.
ISC I 08 07 09 30.6–.80 1.42N–.07 97.06E–.07 28 4.2b 37 1-75
IDC I 08 07 09 25.9–2.3 1.37N 96.99E 0 4.8L,3.9 **¶610236953**
DJA I 08 07 09 30.1–.90 1N–6.0 97E–6.0 28–8 3.7,3.7
NEIC I 08 07 09 32.3–.77 1.51N–.08 97.2E–.10 31–7 4.3b,3.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC I 11 22 35 52.4–4.0 1.83N 99.39E 157–14 3.6,3.2b ¶610237208
IDC Error ellipse: s-maj=257.6km s-min=25.8km az=55.0.
DJA I 12 06 45 05.1–.30 1N–2.0 98E–3.0 41–11 5.4b,4.5 ¶615345226
ISC I 12 19 19 57.0–.34 5.68N–.04 94.77E–.04 90–2 4.8b 347 2-146
BJI I 12 19 19 53.1–.00 5.46N 94.66E 89 4.8b,4.5b **¶610068604**
IDC I 12 19 19 56.0–1.9 5.78N 94.76E 79–17 4.6,4.3b
DJA I 12 19 19 57.9–.30 5N–3.0 95E–3.0 102–4 6.4,5.7
NEIC I 12 19 19 57.7–1.7 5.76N–.07 94.80E–.07 88–6 4.9b,5.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 13 09 23 41.9–.45 0.79N–.05 100.54E–.05 239–4 4.5b 206 1-147
DJA I 13 09 23 40.3–.10 1N–2.0 100E–2.0 266–2 5.6b,5.4 **¶610237289**
IDC I 13 09 23 41.9–.60 0.88N 100.51E 234–5 4.5,3.9b
NEIC I 13 09 23 43.2–2.0 0.85N–.07 100.54E–.06 243–4 4.6b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC I 15 20 21 05.8–14 3.28N 97.32E 163–118 3.4,2.9b ¶610237455
IDC Error ellipse: s-maj=148.4km s-min=26.8km az=58.0.
ISC I 16 12 13 32.6–1.1 3.23N–.08 98.36E–.08 10 10 0-44
DJA I 16 12 13 30.6–.30 3N–2.0 98E–2.0 10 3.9,3.9 **¶610237514**
IDC I 16 12 13 31.0–2.3 2.73N 98.28E 0 4.5L,3.4s
ISC Event type ke.
IDC Error ellipse: s-maj=48.0km s-min=15.4km az=178.0.
ISC I 16 12 42 11.9–.40 3.31N–.02 98.36E–.03 15–2 5.6s,5.5b 1338 0-169
IDC I 16 12 42 09.5–.34 3.37N 98.33E 0 5.3s,5.0 **¶610097477**
MOS I 16 12 42 09.6–1.1 3.44N 98.39E 13 5.7b,5.4s
NEIC I 16 12 42 10.7–2.6 3.32N–.05 98.47E–.05 6–1 5.7,5.7
KLM I 16 12 42 12 3.26N 98.47E 10 6.0b,5.7
DJA I 16 12 42 13.2–.40 3N–2.0 98E–2.0 16–3 6.0b,5.9
GCMT I 16 12 42 13.7–.10 3.33N–.01 98.43E–.01 13–0 5.7W,5.9
BGR I 16 12 42 14.7 3.33N 98.42E 10 6.1,5.9b
NEIC I 16 12 42 25.6 3.37N 98.60E 12 6.1,5.9b
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s125.92359°,δ56.33324°,λ-103.40842°. NP2: ϕ_s329.19247°,δ35.94416°,λ-70.80479°. Principal axes: T Plg10.3973°,Azm225.5201° ; N Plg11.1278°,Azm133.4518°; P Plg74.6787°,Azm357.5666°
IDC Error ellipse: s-maj=15.7km s-min=8.3km az=52.0.
MOS Error ellipse: s-maj=7.4km s-min=3.6km az=117.2.
NEIC Event type se. Error ellipse: s-maj=8.7km s-min=7.2km az=51.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-1.85 $M_{\theta\theta}$-0.77 $M_{\phi\phi}$2.62 $M_{r\theta}$-2.19 $M_{\theta\phi}$-1.96 $M_{\phi r}$0.32 NP1:ϕ_s121.23000°,δ69.06000°,λ-132.75000°. NP2:ϕ_s10.09000° ,δ46.70000°,λ-29.42000°. Principal axes: T 3.8041,Plg13.0000°,Azm241.0000° ; N -0.0808,Plg39.0000°,Azm140.0000°; P -3.7233,Plg48.0000°,Azm346.0000° $M_0$3.76000×10^{17} Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-0.77 $M_{\theta\theta}$-0.73 $M_{\phi\phi}$1.50 $M_{r\theta}$-1.36 $M_{\theta\phi}$-1.68 $M_{\phi r}$-0.55 NP1:ϕ_s10.29000°,δ62.29000°,λ-25.58000°. NP2:ϕ_s112.84000°,δ67.52000°,λ-149.79000°. Principal axes: T 2.4158,Plg3.0000° ,Azm241.0000°; N 0.3081,Plg53.0000°,Azm146.0000°; P -2.7238,Plg37.0000° ,Azm333.0000° $M_0$2.58000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s128,c228; s137,c271;Duration: 1s6 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.73±.04 $M_{\theta\theta}$-0.74±.03; $M_{\phi\phi}$2.48±.04; $M_{r\theta}$-1.20±.10; $M_{\theta\phi}$-2.43±.03; $M_{\phi r}$-1.55±.11; Best double couple: NP1:ϕ_s8.00000°,δ68.00000°,λ-40.00000°. NP2:ϕ_s115.00000°,δ54.00000°,λ-152.00000°. Principal axes: T 3.9090,Plg9.0000° ,Azm64.0000°; N -0.1770,Plg46.0000°,Azm164.0000°; P -3.7260,Plg43.0000° ,Azm326.0000° $M_0$3.81700×10^{17}
BGR Event type ke.
NEIC Event type se. Moment Tensor Solution.Duration: 3s4 Moment tensor: Scale 10^{17}Nm; M_{rr}-0.79 $M_{\theta\theta}$-1.04 $M_{\phi\phi}$1.83 $M_{r\theta}$-0.90 $M_{\theta\phi}$-2.02 $M_{\phi r}$-0.47 NP1:ϕ_s13.89000°,δ70.18000° ,λ-21.21000°. NP2:ϕ_s111.39000°,δ70.10000°,λ-158.86000°. Principal axes: T 2.8721,Plg0.0000°,Azm63.0000°; N -0.2302,Plg61.0000°,Azm153.0000° ; P -2.6420,Plg29.0000°,Azm333.0000° $M_0$2.76000×10^{17}
ISC I 16 12 46 12.5–1.3 3.35N–.04 98.37E–.04 15–8 4.5b 51 0-94
IDC I 16 12 46 09.8–.77 3.34N 98.37E 0 4.3,4.3b **¶610237518**
NEIC I 16 12 46 11.3–2.1 3.30N–.05 98.39E–.06 4–5 4.6b,4.3b
DJA I 16 12 46 13.6–.30 3N–3.0 99E–3.0 10 6.5b,6.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 16 14 16 16.0–.85 3.40N–.07 98.62E–.08 35 3.5b 20 0-79
IDC I 16 14 16 09.6–1.8 3.10N 98.17E 0 4.4L,3.7s **¶610237521**
DJA I 16 14 16 14.7–.20 3N–2.0 99E–4.0 10 3.9,3.9
ISC Event type ke.
DJA I 16 16 14 03.8–.30 3N–3.0 99E–4.0 10 4.4b,3.8 ¶615345276
ISC I 16 19 41 57.2–1.1 1.1N–.20 100.2E–.30 150 3.5b 11 17-81
IDC I 16 19 41 56.3–11 0.80N 99.81E 142–103 3.7,3.3b **¶610237536**
ISC Event type ke.
IDC Error ellipse: s-maj=93.4km s-min=14.8km az=53.0.
ISC I 17 01 11 27.8–.77 3.29N–.06 98.49E–.06 10 3.6b 19 0-69
IDC I 17 01 11 25.4–1.2 3.28N 98.36E 0 3.6,3.6b **¶610237555**
DJA I 17 01 11 28.6–.30 3N–3.0 99E–3.0 10 5.5b,5.0
ISC Event type ke.
ISC I 17 11 48 48.1–.22 5.43N–.03 94.61E–.03 58–1 5.5b,4.5s 1630 2-171
BGR I 17 11 48 36.8 4.68N 95.54E 10 5.5b,4.2s **¶611831591**
MOS I 17 11 48 44.9–1.0 5.46N 94.65E 43 5.8b,4.5s
BJI I 17 11 48 45.0–.00 5.34N 94.61E 53 5.5b,5.1b
NEIC I 17 11 48 46.3–2.3 5.42N–.05 94.56E–.05 35–1 5.6b,5.1
KLM I 17 11 48 47 5.34N 94.47E 50 5.4b,5.1
DJA I 17 11 48 48.0–.20 5N–2.0 95E–2.0 51–2 7.2,6.7
IDC I 17 11 48 49.1–.53 5.52N 94.71E 60–4 5.3,5.0b
GCMT I 17 11 48 49.3–.20 5.40N–.01 94.57E–.01 48–0 5.2W,5.0b
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s1.89495°,δ45.08759°,λ126.72694°. NP2: ϕ_s135.31380°,δ55.41641°,λ59.04326°. Principal axes: T Plg64.2363°,Azm348.5088° ; N Plg25.0556°,Azm154.1160°; P Plg5.6168°,Azm246.7512°
BGR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}3.99 $M_{\theta\theta}$-3.33 $M_{\phi\phi}$-0.66 $M_{r\theta}$2.73 $M_{\theta\phi}$2.97 $M_{\phi r}$-1.96 NP1:ϕ_s125.03000°,δ63.05000°,λ92.31000°. NP2:ϕ_s299.94000°,δ27.05000° ,λ85.47000°. Principal axes: T 5.0828,Plg72.0000°,Azm40.0000°; N 1.2585,Plg2.0000° ,Azm304.0000°; P -6.3413,Plg18.0000°,Azm213.0000° $M_0$5.82000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s92,c139; s117,c195;Duration: 1s0 Moment tensor: Scale 10^{17}Nm; M_{rr}0.69±.02 $M_{\theta\theta}$-0.25±.01; $M_{\phi\phi}$-0.43±.01; $M_{r\theta}$0.43±.01; $M_{\theta\phi}$0.39±.01; $M_{\phi r}$-0.27±.01; Best double couple: NP1:ϕ_s130.00000°,δ63.00000°,λ79.00000°. NP2:ϕ_s334.00000°,δ29.00000°,λ111.00000°. Principal axes: T 0.8700,Plg70.0000° ,Azm16.0000°; N 0.0230,Plg10.0000°,Azm135.0000°; P -0.8910,Plg17.0000°,Azm228.0000° $M_0$0.88000×10^{17}
DJA I 18 02 25 53.5–.30 3N–3.0 98E–3.0 10–4 5.5b,5.0 ¶615345344
DJA I 19 23 30 21.8–.30 3N–3.0 98E–3.0 10 3.2,3.2 ¶615345348
ISC I 20 03 57 36.0–.93 0.44N–.06 97.85E–.08 29 4.0b 18 1-54
IDC I 20 03 57 30.3–2.0 0.23N 97.71E 0 4.8L,3.9 **¶610234912**
DJA I 20 03 57 35.0–.80 0N–4.0 98E–6.0 16–6 4.0,3.9
ISC Event type ke.
ISC I 20 15 25 49.9–1.6 0.2N–.10 98.7E–.30 48 3.9b 10 3-77
IDC I 20 15 25 42.9–1.5 0.05N 98.42E 0 3.7L,3.6 **¶610234943**
ISC Event type ke.
IDC Error ellipse: s-maj=54.0km s-min=18.8km az=63.0.
DJA I 21 05 38 16.8–.30 3N–3.0 98E–3.0 10 3.7,3.7 ¶615345376
DJA I 24 17 11 12.5–.40 3N–3.0 98E–3.0 11–4 3.5,3.5 ¶615345407
IDC I 27 08 29 35.8–1.1 1.78N 99.73E 162–13 3.7,3.3b ¶610235457
IDC Error ellipse: s-maj=60.6km s-min=18.9km az=53.0.
ISC I 29 08 27 12.2–.96 1.25N–.05 98.96E–.07 103–8 3.7b 18 0-54
IDC I 29 08 27 09.8–7.0 1.08N 98.71E 85–40 3.8,3.5b **¶610235624**
DJA I 29 08 27 12.2–.40 1N–2.0 99E–3.0 86–6 5.4,5.1
ISC Event type ke.
ISC I 30 22 25 32.1–.43 5.11N–.05 94.19E–.05 34 4.5b,3.7s 159 2-146
DJA I 30 22 25 29.3–1.2 5N–4.0 94E–7.0 30–17 5.1b,4.8b **¶610148240**
NEIC I 30 22 25 32.6–1.6 5.10N–.03 94.21E–.07 39–8 4.5b,4.8b
IDC I 30 22 25 34.8–3.4 5.24N 94.32E 51–30 4.6L,4.4
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.6km s-min=2.5km az=110.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=21.6km s-min=13.8km az=57.0.
ISC I 31 15 10 42.5–.84 3.01N–.05 98.66E–.06 35 3.2b 20 0-46
IDC I 31 15 10 36.7–1.6 2.75N 98.25E 0 3.9s,3.3 **¶610235827**
DJA I 31 15 10 37.5–.30 3N–3.0 99E–3.0 10 3.8,3.8
NEIC I 31 15 10 42.3–1.3 2.95N–.07 98.74E–.04 35–2 4.2b,3.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC II 02 08 56 55.9–4.3 2.45N 99.86E 101–82 3.3,3.0b ¶610414662
IDC Error ellipse: s-maj=216.3km s-min=27.5km az=54.0.
DJA II 02 09 02 27.6–.40 3N–6.0 99E–8.0 20–8 2.3,2.3 ¶615345512
ISC II 02 19 36 39.7–.90 0.42N–.05 97.12E–.08 23 3.5b 38 1-57
IDC II 02 19 36 38.1–1.5 0.52N 97.38E 0 3.5L,3.4 **¶610414695**
DJA II 02 19 36 39.8–.40 0N–2.0 97E–4.0 49–18 6.5,5.8
ISC Event type ke.
ISC II 04 01 36 34.5–.64 0.91N–.05 97.37E–.06 27 4.0b 44 0-87
IDC II 04 01 36 30.8–1.0 0.83N 97.31E 0 4.1L,4.0 **¶610414777**
DJA II 04 01 36 35.3–1.0 1N–4.0 97E–7.0 24–5 4.3,4.2
NEIC II 04 01 36 37.4–1.8 1.4N–.10 97.15E–.09 26–8 4.2b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC II 04 01 43 04.1–1.9 2.29N 98.90E 137–6 3.5,3.1b ¶610414778
IDC Error ellipse: s-maj=82.8km s-min=25.7km az=60.0.
IDC II 04 23 12 07.6–3.2 1.59N 99.03E 164–10 3.8,3.4b ¶610414846
IDC Error ellipse: s-maj=104.1km s-min=20.0km az=57.0.
ISC II 09 18 00 08.6–.49 3.27N–.03 98.44E–.03 20–3 4.5b,3.6s 131 0-145
IDC II 09 18 00 04.8–.70 3.26N 98.21E 0 4.2b,4.1 **¶610206147**
NEIC II 09 18 00 07.8–2.2 3.30N–.05 98.42E–.06 12–4 4.5b,4.1
DJA II 09 18 00 08.8–.20 3N–1.0 99E–2.0 10 5.0b,4.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 09 21 50 50.5–.48 3.29N–.03 98.48E–.04 10 4.4b,3.6s 79 0-84
DJA II 09 21 50 51.7–.20 3N–2.0 99E–2.0 10 4.7b,4.6 **¶610207647**
NEIC II 09 21 50 54.4–1.9 3.28N–.06 98.53E–.07 42–9 4.4b,4.6
IDC II 09 21 50 59.4–7.9 3.44N 98.59E 90–73 4.0,3.7b
ISC Event type se.

NEIC Event type se. Error ellipse: s-maj=11.1km s-min=7.7km az=53.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=40.8km s-min=15.4km az=47.0.
ISC II 09 22 04 26.7–.69 3.31N–.05 98.52E–.05 10 3.6b 20 0-79
IDC II 09 22 04 24.0–1.3 3.21N 98.16E 0 4.5L,3.6 ¶610415201
DJA II 09 22 04 27.4–.20 3N–2.0 99E–3.0 10 4.5b,4.4b
ISC Event type ke.
ISC II 10 05 37 11.7–1.4 5.15N–.07 96.08E–.09 10 3.5b 11 1-47
IDC II 10 05 37 05.8–14 4.96N 94.98E 0 3.5,3.5b ¶610415216
DJA II 10 05 37 11.8–1.2 5N–6.0 96E–6.0 10 3.6,3.6
ISC Event type ke.
ISC II 10 18 05 14.9–.81 3.29N–.04 98.34E–.04 10 3.2b 15 0-46
DJA II 10 18 05 16.4–.20 3N–2.0 99E–3.0 10 4.0b,3.9 ¶610415254
IDC II 10 18 05 17.4–3.8 3.01N 98.85E 0 3.6L,3.3
ISC Event type ke.
IDC Error ellipse: s-maj=167.6km s-min=28.2km az=60.0.
DJA II 10 20 23 06.2–.20 3N–2.0 99E–3.0 10 3.9b,3.7
¶615345562
ISC II 11 04 24 38.7–.55 3.34N–.05 98.30E–.04 10 3.9b,3.4s 27 0-149
IDC II 11 04 24 36.0–.89 3.12N 98.03E 0 4.5L,3.8 ¶610415280
DJA II 11 04 24 41.5–.20 3N–2.0 99E–3.0 10 4.6b,4.5
ISC Event type ke.
DJA II 11 06 00 27.0–.30 3N–2.0 99E–3.0 10 3.5,3.5
¶615345579
ISC II 11 21 54 24.6–1.9 2.1N–.20 97.5E–.20 33 3.5b 7 1-53
IDC II 11 21 54 21.3–4.0 2.38N 97.74E 0 3.6,3.6b ¶610415335
ISC Event type ke.
IDC Error ellipse: s-maj=161.4km s-min=31.0km az=57.0.
ISC II 13 06 36 30.6–.61 3.28N–.04 98.33E–.04 10 4.3b,3.3s 37 0-69
IDC II 13 06 36 29.5–1.3 3.19N 98.13E 0 4.6L,3.9 ¶610415429
NEIC II 13 06 36 30.6–1.9 3.29N–.03 98.22E–.05 10–1 4.4b,3.9
DJA II 13 06 36 34.3–.20 3N–2.0 99E–2.0 10 4.2,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 13 17 11 17.8–.71 3.31N–.03 98.48E–.03 12–4 4.7b,4.0s 212 0-145
IDC II 13 17 11 14.8–.58 3.20N 98.25E 0 4.3,4.3b ¶610208863
NEIC II 13 17 11 17.9–2.2 3.36N–.05 98.52E–.05 11–3 4.7b,4.3b
BJI II 13 17 11 17.5–.00 3.40N 98.40E 10 4.9b,4.7s
DJA II 13 17 11 20.0–.20 3N–2.0 99E–2.0 10 5.3b,5.1
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 13 17 17 24.4–.69 3.24N–.05 98.39E–.07 10 3.7b 18 0-79
IDC II 13 17 17 21.8–1.3 2.97N 97.83E 0 3.7,3.7b ¶610415462
DJA II 13 17 17 27.9–.30 3N–2.0 99E–3.0 10 4.9b,4.4
ISC Event type ke.
ISC II 13 20 35 59.2–.53 3.33N–.03 98.43E–.03 15–3 4.8b,4.6s 316 0-162
IDC II 13 20 35 56.8–.48 3.31N 98.25E 0 4.5s,4.4 ¶611831799
NEIC II 13 20 35 57.9–1.7 3.35N–.04 98.52E–.05 8–4 4.9b,4.4
DJA II 13 20 36 00.5–.20 3N–2.0 98E–2.0 10 5.3b,5.2
GCMT II 13 20 36 01.9–.20 3.35N–.01 98.47E–.01 13–0 5.2W,5.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s67,c97; s113,c190;Duration: 1s0
Moment tensor: Scale 10^{16}Nm; M_{rr}-3.95±.15 $M_{\theta\theta}$-1.62±.11; $M_{\phi\phi}$5.56±.13; $M_{r\theta}$-0.73±.28; $M_{\theta\phi}$-3.47±.10; $M_{\phi r}$-4.81±.42; Best double couple: NP1:ϕ_s5.00000°,δ70.00000°,λ-59.00000°. NP2:ϕ_s125.00000°,δ36.00000°,λ-145.00000°. Principal axes: T 8.4410,Plg19.0000° ,Azm72.0000°; N -1.6170,Plg29.0000°,Azm173.0000°; P -6.8330,Plg54.0000° ,Azm313.0000° $M_0$7.63700×10^{16}
DJA II 13 20 49 39.2–.30 3N–3.0 98E–3.0 10 3.8,3.8
¶615345592
ISC II 14 02 52 53.6–.82 3.17N–.05 98.58E–.06 10 3.5b 13 0-52
DJA II 14 02 52 56.9–.30 3N–3.0 98E–3.0 10 4.1,4.1 ¶610415482
IDC II 14 02 53 04.8–14 2.86N 97.85E 133–123 4.6L,3.5s
ISC Event type ke.
IDC Error ellipse: s-maj=158.1km s-min=21.1km az=59.0.
ISC II 15 17 33 22.2–.47 0.49N–.05 99.76E–.05 150 4.3b 97 1-87
IDC II 15 17 33 21.4–2.8 0.52N 99.95E 141–23 4.2,3.8b ¶610216339
BJI II 15 17 33 21.1–.00 0.48N 99.64E 151 4.7b,4.4b
DJA II 15 17 33 22.3–.30 0N–3.0 100E–3.0 140–5 5.5b,4.9
NEIC II 15 17 33 22.9–1.8 0.49N–.08 99.74E–.05 153–7 4.5b,4.9
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 15 19 47 08.2–.33 5.14N–.03 96.00E–.03 23–2 5.5b,4.9s 1596 1-176
BJI II 15 19 47 02.5–.00 4.69N 95.76E 20 5.5s,5.4b ¶611831815
BGR II 15 19 47 03.3 4.55N 96.83E 19–1 5.2b,5.4b
IDC II 15 19 47 05.0–.32 5.25N 96.00E 0 5.2,5.2b
MOS II 15 19 47 04.0–.96 5.14N 95.86E 10 5.6b,4.9s
NEIC II 15 19 47 07.4–2.6 5.30N–.06 96.07E–.04 13–1 5.6b,5.4
KLM II 15 19 47 08 5.09N 96.11E 12 5.7b,5.4
GCMT II 15 19 47 09.4–.10 5.23N–.01 96.16E–.01 14–0 5.4W,5.4
DJA II 15 19 47 10.2–.60 5N–2.0 96E–2.0 27–5 5.8,5.7b
NEIC II 15 19 47 14.9 5.11N 95.74E 12 5.8,5.7b
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s87.77294°,δ48.09081°,λ106.74493°. NP2: ϕ_s243.52445°,δ44.54924°,λ72.20327°. Principal axes: T Plg77.4829°,Azm67.8236° ; N Plg12.3811°,Azm256.4098°; P Plg1.8111°,Azm166.0121°
ISC Event type ke. Hypocentre not reviewed by the ISC.
IDC Error ellipse: s-maj=10.4km s-min=9.5km az=53.0.
MOS Error ellipse: s-maj=6.8km s-min=3.4km az=117.1.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=6.3km az=189.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}0.87 $M_{\theta\theta}$-1.34 $M_{\phi\phi}$0.47 $M_{r\theta}$-0.34 $M_{\theta\phi}$0.01 $M_{\phi r}$0.24 NP1:ϕ_s66.79000°,δ41.36000°,λ54.37000°. NP2:ϕ_s290.47000°,δ57.52000° ,λ117.15000°. Principal axes: T 1.0216,Plg66.0000°,Azm252.0000°; N 0.3678,Plg23.0000° ,Azm95.0000°; P -1.3894,Plg9.0000°,Azm1.0000° $M_0$1.25000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s117,c195; s135,c260;Duration: 1s3
Moment tensor: Scale 10^{17}Nm; M_{rr}1.19±.02 $M_{\theta\theta}$-1.43±.02; $M_{\phi\phi}$0.23±.02; $M_{r\theta}$-1.11±.05; $M_{\theta\phi}$-0.06±.01; $M_{\phi r}$-0.02±.04; Best double couple: NP1:ϕ_s269.00000°,δ65.00000°,λ91.00000°. NP2:ϕ_s87.00000°,δ25.00000°,λ88.00000°. Principal axes: T 1.5970,Plg70.0000° ,Azm180.0000°; N 0.2400,Plg1.0000°,Azm88.0000°; P -1.8390,Plg20.0000°,Azm358.0000° $M_0$1.71800×10^{17}
NEIC Event type se. Moment Tensor Solution.Duration: 2s6 Moment tensor: Scale 10^{17}Nm; M_{rr}0.95 $M_{\theta\theta}$-1.19 $M_{\phi\phi}$0.24 $M_{r\theta}$-0.95 $M_{\theta\phi}$-0.05 $M_{\phi r}$-0.24 NP1:ϕ_s258.31000°,δ66.55000° ,λ80.76000°. NP2:ϕ_s100.55000°,δ25.11000°,λ110.31000°. Principal axes: T 1.3504,Plg67.0000°,Azm151.0000°; N 0.2130,Plg8.0000°,Azm262.0000° ; P -1.5634,Plg21.0000°,Azm355.0000° $M_0$1.46000×10^{17}
ISC II 15 19 53 29.4–.62 5.16N–.04 96.07E–.04 25–4 5.1s,4.9b 387 1-161
MOS II 15 19 53 24.5–1.1 5.06N 95.86E 10 4.9b,4.9b ¶610216927
IDC II 15 19 53 25.2–.39 5.13N 95.84E 0 4.7L,4.6
BJI II 15 19 53 27.7–.00 4.91N 96.10E 30 5.3b,5.1s
NEIC II 15 19 53 27.8–3.1 5.25N–.06 96.15E–.06 10–1 5.0b,5.1s
DJA II 15 19 53 30.3–.70 5N–3.0 96E–2.0 29–5 5.8b,5.7
GCMT II 15 19 53 32.8–.30 5.24N–.02 96.09E–.02 12 5.1W,5.7
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s14,c15; s100,c142;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}0.77±.14 $M_{\theta\theta}$-2.79±.11; $M_{\phi\phi}$2.02±.12; $M_{r\theta}$-5.28±.35; $M_{\theta\phi}$-1.55±.11; $M_{\phi r}$-2.33±.37; Best double couple: NP1:ϕ_s242.00000°,δ81.00000°,λ80.00000°. NP2:ϕ_s110.00000°,δ13.00000°,λ138.00000°. Principal axes: T 4.9740,Plg53.0000° ,Azm140.0000°; N 2.3470,Plg10.0000°,Azm244.0000°; P -7.3230,Plg35.0000° ,Azm341.0000° $M_0$6.14900×10^{16}
IDC II 17 00 57 13.8–7.2 1.46N 97.96E 0 3.7s,3.5
¶610415659
IDC Error ellipse: s-maj=347.2km s-min=29.4km az=54.0.
ISC II 17 02 46 53.0–1.5 5.7N–.20 94.8E–.30 35 3.6b 7 13-80
IDC II 17 02 46 47.1–1.8 5.51N 94.50E 0 3.7,3.7b ¶610415662
ISC Event type ke.
IDC Error ellipse: s-maj=78.3km s-min=22.2km az=57.0.
ISC II 17 05 04 27.0–.36 4.50N–.04 96.43E–.06 10 4.6b,3.8s 112 0-147
IDC II 17 05 04 24.8–.57 4.53N 96.51E 0 4.2,4.2b ¶610223769
DJA II 17 05 04 27.0–.50 4N–3.0 96E–4.0 13–3 5.3b,5.0
NEIC II 17 05 04 32.2–1.9 4.57N–.05 96.55E–.08 42–8 4.6b,5.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 17 06 47 58.0–1.5 0.1N–.20 97.6E–.10 35 3.9b 10 1-55
DJA II 17 06 47 54.4–1.5 0S–7.0 97E–7.0 11–8 3.5,3.5 ¶610415669
IDC II 17 06 47 59.5–6.6 1.25N 99.50E 0 3.8,3.8b
ISC Event type ke.
IDC Error ellipse: s-maj=344.6km s-min=22.7km az=55.0.
DJA II 22 05 36 09.6–.40 3N–4.0 98E–4.0 12–4 2.8,2.8
¶615345713
ISC II 22 11 13 25.5–.66 1.30N–.05 99.01E–.06 150 3.9b 47 0-143
NEIC II 22 11 13 24.5–1.4 1.22N–.06 99.09E–.06 113–9 4.0b ¶610384801
DJA II 22 11 13 25.7–.40 1N–3.0 99E–3.0 101–5 4.6b,4.1
IDC II 22 11 13 33.5–10 1.68N 99.85E 188–96 4.1,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=8.7km az=90.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=64.8km s-min=14.1km az=60.0.
ISC II 23 04 29 16.1–1.2 2.00N–.06 99.19E–.09 100 3.7b 13 2-53
IDC II 23 04 28 58.4–3.8 1.29N 98.39E 0 4.4L,3.7 ¶610384847
DJA II 23 04 29 17.8–.60 2N–3.0 99E–3.0 118–6 3.4,3.4
ISC Event type ke.
ISC II 24 08 22 36.3–.33 4.69N–.04 96.99E–.04 177–2 4.9b 740 1-161
MOS II 24 08 22 34.5–.83 4.68N 96.89E 179 5.0b ¶610240066
IDC II 24 08 22 36.4–.49 4.73N 96.98E 176–4 4.9,4.4b
DJA II 24 08 22 36.9–.20 5N–3.0 97E–3.0 173–2 6.2,6.2
NEIC II 24 08 22 36.4–1.4 4.70N–.07 96.96E–.08 175–7 5.0b,6.2
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s231.32240°,δ89.88908°,λ-114.82878°. NP2: ϕ_s141.08266°,δ24.82901°,λ-0.26416°. Principal axes: T Plg39.8199°,Azm344.0645° ; N Plg24.8287°,Azm231.3737°; P Plg40.0244°,Azm118.5084°
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 25 08 01 33.2–.48 5.21N–.05 96.17E–.05 29 4.2b,3.5s 50 1-141
IDC II 25 08 01 28.2–.86 5.09N 96.16E 0 4.7L,4.1b ¶610384987
DJA II 25 08 01 30.2–.60 5N–5.0 96E–4.0 10 5.8b,5.3
NEIC II 25 08 01 35.0–2.1 5.28N–.07 96.46E–.09 28–4 4.3b,5.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC II 26 06 33 31.6–3.9 4.57N 95.60E 0 3.4,3.4b
¶610385037
IDC Error ellipse: s-maj=155.7km s-min=26.0km az=62.0.
ISC II 27 11 47 25.9–.49 1.69N–.04 99.38E–.04 173–4 4.4b 109 1-147
BJI II 27 11 47 24.5–.00 1.49N 99.28E 187 4.8b,4.4b ¶610241634
IDC II 27 11 47 26.0–.70 1.74N 99.49E 171–6 4.4,4.0b
DJA II 27 11 47 25.6–.30 2N–2.0 99E–3.0 167–4 5.0b,4.7b
NEIC II 27 11 47 26.0–1.8 1.77N–.07 99.44E–.07 165–7 4.5b,4.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC II 27 14 23 01.0–4.0 1.95N 99.61E 0 3.3,3.3b
¶610385130
IDC Error ellipse: s-maj=170.5km s-min=25.7km az=59.0.
ISC II 28 04 59 18.8–.93 3.29N–.05 98.50E–.07 10 3.3b 11 0-46
IDC II 28 04 59 07.9–3.6 2.18N 96.28E 0 4.0L,3.4 ¶615345766
DJA II 28 04 59 18.4–.30 3N–2.0 99E–3.0 10 3.7,3.7
ISC Event type ke.
ISC II 28 11 52 53.7–.43 4.38N–.04 96.47E–.05 33 4.2b,3.5s 60 0-141
IDC II 28 11 52 47.5–.96 4.05N 96.13E 0 3.9b,3.8 ¶610385202
DJA II 28 11 52 53.3–.50 4N–3.0 97E–4.0 10 4.3,4.3
NEIC II 28 11 52 55.4–1.7 4.41N–.05 96.55E–.08 35–8 4.5b,4.3
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 05 15 24 37.9–.59 5.45N–.07 94.28E–.07 35 4.2b 50 3-78
IDC III 05 15 24 33.9–1.0 5.73N 94.80E 0 3.9,3.9b ¶610246834
NEIC III 05 15 24 43.8–1.3 5.42N–.07 94.75E–.08 61–8 4.4b,3.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 12 05 48 51.4–.43 1.92N–.05 99.01E–.05 150 4.3b 115 1-127
IDC III 12 05 48 50.5–6.4 1.82N 99.04E 145–56 4.2,3.8b ¶610325577
DJA III 12 05 48 50.5–.30 2N–2.0 99E–3.0 139–5 5.0b,4.7b
NEIC III 12 05 48 51.5–1.3 1.96N–.06 98.99E–.06 141–6 4.5b,4.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 12 12 34 50.1–.92 1.06N–.07 100.13E–.08 200 3.1b 18 1-48
IDC III 12 12 34 50.2–18 1.12N 100.33E 202–152 3.7,3.2b ¶610546078
DJA III 12 12 34 51.6–.40 1N–3.0 100E–3.0 191–5 3.6,3.6
ISC Event type ke.
ISC III 12 15 42 31.3–1.1 0.5N–.20 98.0E–.30 29 3.5b 10 1-74
DJA III 12 15 42 24.3–.70 1N–4.0 99E–4.0 81–9 3.4,3.4 ¶610546081
IDC III 12 15 42 27.0–3.3 0.49N 97.84E 0 3.7L,3.5b
ISC Event type ke.
IDC Error ellipse: s-maj=131.8km s-min=23.2km az=60.0.
ISC III 18 10 51 09.6–.31 3.28N–.03 98.42E–.03 10 4.7b,4.1s 190 0-147
BJI III 18 10 51 05.4–.00 2.86N 98.61E 5 4.9b,4.7s ¶610345870
IDC III 18 10 51 06.7–.49 3.34N 98.40E 0 4.3,4.3b
NEIC III 18 10 51 10.2–2.3 3.28N–.04 98.45E–.05 10–1 4.8b,4.3b
DJA III 18 10 51 11.3–.20 3N–2.0 98E–2.0 10 5.3b,5.0
GCMT III 18 10 51 11.2–.30 3.42N–.03 98.47E–.02 21–1 4.9W,5.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s24,c30; s66,c86;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-1.94±.19 $M_{\theta\theta}$-0.21±.10; $M_{\phi\phi}$2.15±.12; $M_{r\theta}$0.92±.24; $M_{\theta\phi}$-0.77±.07; $M_{\phi r}$-0.99±.19; Best double couple: NP1:ϕ_s328.00000°,δ62.00000° ,λ-107.00000°. NP2:ϕ_s181.00000°,δ33.00000°,λ-61.00000°. Principal axes: T 2.7040,Plg15.0000°,Azm71.0000°; N -0.2760,Plg15.0000°,Azm336.0000° ; P -2.4290,Plg68.0000°,Azm203.0000° $M_0$2.56700×10^{16}
ISC III 18 12 12 21.9–.43 1.82N–.05 99.06E–.05 150 4.3b 84 0-145
IDC III 18 12 12 20.4–.97 1.69N 98.98E 138–7 4.2,3.8b ¶610546450
DJA III 18 12 12 20.7–.30 2N–2.0 99E–3.0 142–4 4.8b,4.5b
NEIC III 18 12 12 21.9–1.5 1.84N–.06 99.04E–.04 144–6 4.6b,4.5b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 18 17 33 18.3–1.2 0.75N–.06 97.11E–.08 10 3.8b,3.4s 20 1-54
IDC III 18 17 33 16.8–2.1 0.73N 97.67E 0 3.7,3.7b ¶610546463
DJA III 18 17 33 21.5–.80 1N–3.0 97E–6.0 17–5 4.3b,4.2
ISC Event type ke.
ISC III 21 18 48 04.0–.71 2.34N–.04 98.93E–.05 145–6 4.2b 81 0-141
DJA III 21 18 48 04.9–.30 2N–2.0 99E–3.0 132–5 4.5b,4.1 ¶610415861
NEIC III 21 18 48 04.7–1.1 2.40N–.06 98.91E–.06 143–4 4.3b,4.1
IDC III 21 18 48 11.6–10 2.51N 99.12E 209–95 4.2,3.6b
ISC Event type se.

NEIC Event type se. Error ellipse: s-maj=9.5km s-min=7.7km az=127.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=72.7km s-min=12.6km az=58.0.
ISC III 22 12 42 04.9–.68 0.56N–.04 98.42E–.05 43 4.2b 38 1-57
IDC III 22 12 41 57.2–1.2 0.37N 98.28E 0 3.8,3.8b ¶610543471
NEIC III 22 12 42 05.4–2.1 0.46N–.06 98.39E–.09 57–13 4.1b,3.8b
DJA III 22 12 42 05.8–.50 1N–2.0 98E–2.0 31–7 4.6b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 27 13 15 26.2–.33 0.59N–.04 98.43E–.04 52–2 4.9b,4.3s 422 1-149
MOS III 27 13 15 23.3–.81 0.58N 98.49E 42 5.1b,4.3s ¶610436978
BJI III 27 13 15 25.5–.00 0.66N 98.47E 56 5.2b,4.8b
DJA III 27 13 15 26.3–.20 1N–2.0 98E–2.0 49–2 5.3b,5.2
NEIC III 27 13 15 26.6–1.1 0.61N–.06 98.42E–.05 52–6 5.1b,5.2
IDC III 27 13 15 26.1–1.9 0.58N 98.52E 50–16 4.6,4.5L
ISC Event type se.
MOS Error ellipse: s-maj=8.9km s-min=4.4km az=109.7.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=6.7km az=213.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=17.7km s-min=9.3km az=51.0.
IDC III 29 01 25 05.9–5.7 1.85N 99.52E 0 4.0,4.0b
¶610543884
IDC Error ellipse: s-maj=298.0km s-min=25.9km az=53.0.
IDC III 29 01 26 36.8–8.8 0.61N 98.45E 0 3.8,3.8b
¶610543885
IDC Error ellipse: s-maj=443.3km s-min=25.1km az=55.0.
ISC IV 02 12 59 19.9–.62 0.36N–.05 99.77E–.05 150 4.0b 38 1-143
NEIC IV 02 12 59 20.3–2.4 0.4N–.10 99.79E–.07 141–10 4.0b ¶610651760
DJA IV 02 12 59 20.7–.40 0N–2.0 100E–2.0 131–5 4.7b,4.1
IDC IV 02 12 59 21.2–4.8 0.54N 100.21E 150–35 3.9,3.4b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=16.4km s-min=9.2km az=197.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=93.1km s-min=13.9km az=58.0.
ISC IV 08 02 50 26.2–.76 0.55N–.07 98.40E–.08 35 4.0b 22 1-84
IDC IV 08 02 50 19.9–1.3 0.42N 98.32E 0 3.9,3.9b ¶610652199
DJA IV 08 02 50 27.4–1.0 1N–4.0 98E–5.0 20–12 5.0b,4.3
ISC Event type ke.
IDC IV 08 17 19 05.5–6.0 2.56N 99.85E 0 3.1,3.1b
¶610652245
IDC Error ellipse: s-maj=337.2km s-min=31.4km az=55.0.
IDC IV 11 21 17 27.8–4.2 0.73N 98.68E 0 3.9L,3.4
¶610652499
IDC Error ellipse: s-maj=146.2km s-min=31.6km az=61.0.
ISC IV 14 00 07 19.1–.95 3.16N–.07 97.6E–.10 10 3.3b 9 0-45
IDC IV 14 00 07 09.3–3.6 1.95N 95.77E 0 3.3,3.3b ¶615346168
DJA IV 14 00 07 20.1–.40 3N–4.0 98E–3.0 10 3.8,3.8
ISC Event type ke.
ISC IV 16 09 03 27.5–1.2 0.61N–.08 97.02E–.10 23 3.9b 14 1-54
DJA IV 16 09 03 25.3–1.6 1N–5.0 97E–7.0 15–9 4.1b,3.9 ¶610652857
IDC IV 16 09 03 26.2–2.5 0.72N 97.40E 0 3.8L,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=83.6km s-min=23.4km az=60.0.
ISC IV 21 01 22 27.9–.80 2.10N–.06 96.30E–.09 10 4.3b 36 0-79
NEIC IV 21 01 22 27.8–2.1 2.04N–.07 96.3E–.10 10–1 4.3b ¶610653154
DJA IV 21 01 22 28.6–1.1 2N–5.0 96E–9.0 15–4 4.8b,4.7b
IDC IV 21 01 22 29.8–2.6 2.64N 95.98E 0 4.6L,4.0
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=22.4km s-min=7.4km az=245.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=107.9km s-min=19.6km az=62.0.
ISC IV 25 18 54 50.2–.77 4.09N–.06 97.20E–.06 10 3.4b 13 1-73
IDC IV 25 18 54 44.5–3.3 3.22N 96.10E 0 4.2L,3.5 ¶610650008
DJA IV 25 18 54 50.0–.30 4N–3.0 97E–2.0 10 3.7,3.7
ISC Event type ke.
ISC IV 27 15 51 57.5–.95 0.49N–.09 100.71E–.07 250 20 0-40
IDC IV 27 15 51 27.0–3.7 0.48S 99.25E 0 3.5,3.4b ¶610650146
DJA IV 27 15 51 57.7–.40 1N–3.0 101E–3.0 238–5 4.8b,4.3b
ISC Event type ke.
ISC IV 28 09 50 18.9–1.2 2.16N–.07 96.1E–.10 27 3.6b 14 0-52
IDC IV 28 09 50 14.0–2.8 1.96N 95.95E 0 4.3L,3.7 ¶610650212
DJA IV 28 09 50 18.1–1.5 2N–4.0 96E–12 16–5 4.4b,3.9
ISC Event type ke.
ISC IV 29 17 52 21.8–.29 0.61N–.04 99.56E–.03 10 4.8b,4.0s 279 1-147
BJI IV 29 17 52 19.7–.00 0.56N 99.23E 5 4.9b,4.6s ¶610589257
NEIC IV 29 17 52 21.6–1.3 0.61N–.07 99.53E–.01 10–1 4.8b,4.7
NEIC IV 29 17 52 22.1 0.65N 99.53E 4 4.8b,4.7
DJA IV 29 17 52 23.9–.60 1N–2.0 100E–2.0 11–4 5.4b,5.2
GCMT IV 29 17 52 25.5–.20 0.67N–.03 99.50E–.02 12 4.8W,5.2
IDC IV 29 17 52 25.9–3.6 0.79N 99.66E 33–26 4.4,4.3b
BGR IV 29 17 52 27.1 0.77N 99.26E 33 4.8b,4.3b
ISC Event type ke.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=2.9km az=179.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{16}Nm; Mrr-1.35 Mθθ0.32 Mφφ1.04 Mrθ-0.10 Mθφ0.59
Mφr-0.50 NP1:φs215.39000°,δ35.49000°,λ-79.97000°. NP2:φs23.13000°,δ55.13000°
,λ-97.08000°. Principal axes: T 1.4497,Plg10.0000°,Azm118.0000°; N 0.0028,Plg6.0000°
,Azm27.0000°; P -1.4525,Plg79.0000°,Azm267.0000° M0 1.45000×10^{16}
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function. Moment Tensor Solution. s19,c23; s73,c111;Duration: 0
Moment tensor: Scale 10^{16}Nm; Mrr-1.40±.08 Mθθ-0.31±.06; Mφφ1.71±.05; Mrθ-0.94±.28;
Mθφ0.74±.06; Mφr-0.04±.18; Best double couple: NP1:φs46.00000°,δ58.00000°,λ-52.00000°.
NP2:φs170.00000°,δ48.00000°,λ-135.00000°. Principal axes: T 1.9880,Plg6.0000°
,Azm110.0000°; N -0.0150,Plg31.0000°,Azm204.0000°; P -1.9760,Plg58.0000°
,Azm10.0000° M0 1.98200×10^{16}
IDC Error ellipse: s-maj=17.9km s-min=10.1km az=57.0.
BGR Event type ke.
ISC IV 30 08 28 50.4–.46 1.59N–.05 98.65E–.05 88–4 4.5b 120 1-146
IDC IV 30 08 28 49.8–.53 1.63N 98.76E 84–4 4.3,4.0b ¶610589480
DJA IV 30 08 28 51.5–.30 2N–3.0 99E–4.0 85–12 5.0b,4.9b
NEIC IV 30 08 28 51.5–1.9 1.62N–.06 98.63E–.05 91–7 4.5b,4.9b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 30 16 37 29.1–.33 0.77N–.04 98.49E–.04 58–2 4.9b,3.9s 559 1-160
MOS IV 30 16 37 28.2–.91 0.82N 98.58E 65 5.1b,3.9s ¶611833695
IDC IV 30 16 37 29.8–2.0 0.78N 98.61E 64–17 4.6,4.3b
NEIC IV 30 16 37 29.4–1.4 0.79N–.07 98.48E–.05 56–5 5.0b,4.3b
DJA IV 30 16 37 29.9–.20 1N–2.0 98E–2.0 50–2 5.4,5.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 01 17 09 41.5–.76 2.32N–.09 98.96E–.09 150 3.7b 17 2-80
IDC V 01 17 09 32.1–8.8 1.80N 98.33E 81–79 3.9,3.9L ¶610689325
DJA V 01 17 09 41.9–1.0 2N–4.0 99E–5.0 142–19 3.6,3.6
ISC Event type ke.
ISC V 03 02 53 08.9–1.2 4.21N–.09 95.6E–.20 10 3.6b 8 2-50
DJA V 03 02 52 46.5–1.3 6N–5.0 94E–5.0 23–13 5.3b,4.8 ¶610689426
IDC V 03 02 53 07.6–3.0 4.25N 95.67E 0 4.5L,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=122.0km s-min=23.8km az=61.0.
ISC V 06 10 21 01.2–.74 0.60N–.04 99.51E–.03 16–4 4.6b,3.7s 98 1-146
IDC V 06 10 20 58.6–.59 0.76N 99.72E 0 4.2,4.2b ¶610617744
BJI V 06 10 20 58.8–.00 0.32N 99.49E 20 4.9b,4.6b
NEIC V 06 10 21 00.8–1.1 0.61N–.07 99.54E–.05 10–1 4.8b,4.6b
DJA V 06 10 21 02.6–.20 1N–2.0 100E–2.0 10 5.5b,5.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 07 11 24 47.0–.47 2.46N–.04 96.91E–.05 33 4.4b 65 1-96
IDC V 07 11 24 41.9–1.2 2.65N 97.07E 0 4.3,4.3b ¶610617833
NEIC V 07 11 24 46.1–2.0 2.46N–.05 96.8E–.10 26–7 4.5b,4.3b
DJA V 07 11 24 47.6–.30 3N–2.0 97E–4.0 39–9 5.1b,4.7b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 11 10 22 08.4–1.1 0.64N–.06 98.51E–.09 10 3.0b 8 1-62
IDC V 11 10 22 08.5–11 1.08N 98.19E 0 3.3,3.3b ¶610690043
DJA V 11 10 22 08.9–.30 1N–2.0 99E–3.0 10 3.6b,3.5
ISC Event type ke.
DJA V 12 08 59 59.1–.50 1N–3.0 100E–3.0 128–6 3.8,3.8
¶615346404
ISC V 12 11 06 01.7–.39 1.94N–.04 98.97E–.04 130–3 4.7b 197 1-151
BJI V 12 11 05 58.0–.00 1.53N 99.01E 132 5.2b,4.7b ¶610667666
IDC V 12 11 06 01.2–.68 1.96N 99.12E 124–5 4.5,4.1s
DJA V 12 11 06 02.5–.20 2N–2.0 99E–2.0 122–3 5.0b,4.8
NEIC V 12 11 06 02.9–1.5 1.94N–.06 99.00E–.04 133–5 4.7b,4.8
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC V 12 12 36 35.3–6.3 1.09N 98.76E 0 3.4,3.4b
¶610690130
IDC Error ellipse: s-maj=321.5km s-min=25.2km az=56.0.
ISC V 12 20 43 55.9–.96 0.71N–.09 97.64E–.08 50 4.1b 33 1-70
IDC V 12 20 43 47.2–1.5 0.33N 97.78E 0 4.1L,3.9 ¶610690149
DJA V 12 20 43 48.9–1.6 0N–4.0 97E–7.0 24–15 4.4b,4.2
NEIC V 12 20 43 57.7–1.4 0.85N–.08 97.69E–.09 48–7 4.2b,4.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC V 14 07 49 13.2–4.1 0.74N 97.53E 0 3.6,3.6b
¶610690255
IDC Error ellipse: s-maj=215.1km s-min=25.4km az=54.0.
ISC V 16 04 52 28.2–.43 3.47N–.04 99.13E–.05 224–3 4.6b 323 1-150
BGR V 16 04 52 03.8 3.52N 98.18E 227–24 5.0b ¶610641345
NEIC V 16 04 52 25.0–1.5 3.5N–.10 99.2E–.10 185–6 4.7b
BJI V 16 04 52 26.5–.00 3.38N 98.93E 231 4.6b,4.5b
IDC V 16 04 52 28.9–.66 3.65N 99.19E 226–6 4.9,4.3b
DJA V 16 04 52 29.6–.40 3N–3.0 99E–4.0 214–6 5.0,4.8b
ISC Event type ke.
BGR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 23 21 50 28.2–.00 1.94N–.07 99.15E–.08 100 3.3b 11 2-63
IDC V 23 21 50 12.1–3.8 1.32N 98.31E 0 4.1L,3.7 ¶610685251
DJA V 23 21 50 29.6–.90 2N–5.0 99E–6.0 123–13 3.6,3.6
ISC Event type ke.
IDC V 24 23 19 06.6–3.3 1.56N 98.07E 0 4.2L,3.8
¶610685323
IDC Error ellipse: s-maj=124.7km s-min=28.2km az=58.0.
ISC V 25 10 45 28.7–.40 0.36N–.04 98.84E–.04 69–3 4.6b 163 1-145
IDC V 25 10 45 19.5–.60 0.37N 98.97E 0 4.4L,4.3 ¶610653848
BJI V 25 10 45 21.9–.00 0.28S 98.72E 60 4.9b,4.7b
DJA V 25 10 45 28.5–.20 0N–2.0 99E–2.0 62–3 5.3b,5.2
NEIC V 25 10 45 29.4–2.3 0.41N–.08 98.89E–.04 67–7 4.8b,5.2
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 25 17 34 08.0–.99 3.96N–.08 96.5E–.10 100 3.4b 16 0-64
IDC V 25 17 33 57.3–4.1 4.10N 96.59E 0 3.5,3.5b ¶610685379
DJA V 25 17 34 08.2–.90 4N–4.0 97E–9.0 83–10 4.6b,4.1
ISC Event type ke.
IDC V 25 22 20 39.6–1.4 3.99N 97.94E 0 3.8,3.8b
¶610685392
IDC Error ellipse: s-maj=61.3km s-min=20.6km az=52.0.
ISC V 26 07 26 23.7–1.1 2.37N–.06 96.28E–.09 33–6 3.8b 14 0-78
DJA V 26 07 26 20.3–1.0 2N–4.0 96E–6.0 17–3 4.9b,4.1 ¶610685416
IDC V 26 07 26 23.9–4.0 2.98N 96.39E 0 3.7,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=157.1km s-min=30.7km az=56.0.
DJA V 26 11 45 17.5–.40 1N–2.0 99E–2.0 81–6 4.8b,4.2
¶615346627
ISC V 28 16 32 39.7–.65 0.14N–.05 98.56E–.06 48 3.9b 37 0-82
IDC V 28 16 32 33.1–2.3 0.27N 99.05E 0 3.9,3.9b ¶610685559
DJA V 28 16 32 39.6–.50 0N–4.0 99E–6.0 33–11 4.6b,4.0
NEIC V 28 16 32 41.8–1.1 0.27N–.07 98.58E–.09 55–9 4.1b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 28 21 54 04.6–.55 4.06N–.03 97.12E–.03 15–3 4.7b,4.2s 218 1-161
IDC V 28 21 54 02.6–.47 4.21N 97.20E 0 4.3,4.3b ¶610655267
IDC V 28 21 54 03.9 4.19N 97.25E 10 4.3,4.3b
NEIC V 28 21 54 04–1.9 4.19N–.04 97.28E–.05 10–1 5.0b,4.9
DJA V 28 21 54 04.7–.20 4N–2.0 97E–2.0 10 5.2b,4.9
BJI V 28 21 54 05.0–.00 4.20N 97.10E 10 4.9b,4.7s
GCMT V 28 21 54 06.0–.20 4.14N–.01 97.20E–.01 12 5.0W,4.7s
ISC Event type se.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{16}Nm; Mrr-0.52 Mθθ-0.34 Mφφ0.86 Mrθ0.19
Mθφ-2.12 Mφr0.82 NP1:φs279.14000°,δ67.29000°,λ-171.59000°. NP2:φs185.87000°
,δ82.25000°,λ-22.93000°. Principal axes: T 2.5605,Plg10.0000°,Azm234.0000°
; N -0.3638,Plg66.0000°,Azm348.0000°; P -2.1968,Plg22.0000°,Azm140.0000°
M0 2.40000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function. Moment Tensor Solution. s28,c36; s104,c164;Duration: 0
Moment tensor: Scale 10^{16}Nm; Mrr0.34±.07 Mθθ-1.09±.06; Mφφ0.75±.07; Mrθ-1.00±.19;
Mθφ-2.54±.05; Mφr-1.75±.20; Best double couple: NP1:φs12.00000°,δ89.00000°,λ-35.00000°.
NP2:φs102.00000°,δ55.00000°,λ-179.00000°. Principal axes: T 2.9080,Plg23.0000°
,Azm63.0000°; N 0.8090,Plg55.0000°,Azm190.0000°; P -3.7130,Plg25.0000°,Azm321.0000°
M0 3.31000×10^{16}
ISC V 31 20 15 31.7–1.8 1.9N–.30 97.8E–.40 35 3.5b 6 16-80
IDC V 31 20 15 26.3–2.2 1.87N 97.67E 0 4.0L,3.7 ¶610685814
ISC Event type ke.
IDC Error ellipse: s-maj=108.5km s-min=23.5km az=56.0.
ISC VI 05 14 46 08.8–.58 0.33N–.06 99.46E–.05 100 4.3b 49 1-143
NEIC VI 05 14 46 10.0–1.4 0.31N–.07 99.53E–.07 106–6 4.6b ¶610791286
DJA VI 05 14 46 10.1–.30 0N–3.0 99E–3.0 104–5 5.7b,5.3
IDC VI 05 14 46 16.9–12 0.94N 100.49E 152–103 4.2,3.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=7.2km az=224.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=122.4km s-min=14.3km az=59.0.
DJA VI 09 22 32 38.5–.50 0N–4.0 98E–6.0 26–9 4.4b,4.0
¶615347518
ISC VI 18 20 13 40.2–.79 0.82N–.06 98.27E–.09 35 3.8b 27 1-62
IDC VI 18 20 13 34.1–2.0 0.71N 98.34E 0 3.7,3.7b ¶610792143
DJA VI 18 20 13 40.7–.40 1N–3.0 98E–4.0 62–8 5.7b,5.2
ISC Event type ke.
ISC VI 19 07 32 40.8–.69 1.06N–.07 97.13E–.06 25 4.2b 48 1-144
IDC VI 19 07 32 37.8–1.9 1.14N 97.26E 0 4.8L,4.1 ¶610792176
DJA VI 19 07 32 40.0–1.2 1N–6.0 97E–7.0 16–8 4.0,4.0
NEIC VI 19 07 32 43.0–1.4 1.1N–.10 97.2E–.10 29–7 4.2b,4.0

ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VI 20 04 03 46.0–3.0 0.21N 99.47E 0 4.0,4.0b ¶610789135
IDC Error ellipse: s-maj=128.5km s-min=30.7km az=54.0.
ISC VI 21 05 25 02.4–.47 0.55N–.04 98.46E–.05 43 4.5b,3.3s 69 1-144
IDC VI 21 05 24 54.2–.88 0.37N 98.46E 0 4.6L,4.3 ¶610686653
DJA VI 21 05 25 01.8–.60 1N–3.0 98E–4.0 25–7 4.9b,4.6
BJI VI 21 05 25 01.4–.00 0.65N 98.34E 42 4.9b,4.6b
NEIC VI 21 05 25 03.4–1.5 0.61N–.05 98.52E–.05 47–8 4.6b,4.6b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 23 11 36 23.2–1.1 1.3N–.10 97.1E–.10 28 3.5b 11 1-62
IDC VI 23 11 36 19.7–4.1 1.29N 97.19E 0 3.5s,3.5 ¶610789341
DJA VI 23 11 36 22.6–.90 1N–6.0 97E–7.0 32–11 3.4,3.4
ISC Event type ke.
ISC VI 24 15 34 09.5–.43 0.60N–.04 98.15E–.04 23–2 4.7b,3.7s 226 1-145
IDC VI 24 15 34 05.7–.44 0.55N 98.20E 0 4.5,4.5b ¶610694576
DJA VI 24 15 34 09.7–.40 1N–3.0 98E–3.0 23–3 5.4b,5.0b
NEIC VI 24 15 34 10.6–2.0 0.63N–.07 98.11E–.06 33–5 4.8b,5.0b
BJI VI 24 15 34 11.1–.00 0.94N 98.05E 19 4.8b,4.6b
ISC Event type se.
IDC Error ellipse: s-maj=14.9km s-min=11.0km az=39.0.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=6.4km az=219.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC VI 27 07 07 59.1–3.6 5.81N 95.05E 0 3.7,3.7b ¶610789556
IDC Error ellipse: s-maj=153.3km s-min=23.2km az=60.0.
ISC VI 29 12 23 27.8–.87 4.51N–.07 95.9E–.10 100 3.5b 15 1-66
DJA VI 29 12 23 29.6–1.0 4N–5.0 96E–7.0 68–8 3.6,3.6 ¶610789721
IDC VI 29 12 23 40.1–10 4.66N 95.96E 216–95 3.9s,3.6
ISC Event type ke.
IDC Error ellipse: s-maj=72.1km s-min=15.3km az=56.0.
ISC VI 30 04 30 28.6–.75 0.51N–.06 99.92E–.06 150 3.9b 24 1-84
IDC VI 30 04 30 07.1–6.7 0.11S 99.94E 0 4.1,4.1b ¶610789754
DJA VI 30 04 30 29.3–.40 0N–2.0 100E–2.0 158–4 5.6b,5.1b
ISC Event type ke.

SEISMIC REGION 47.
Baluchistan.

(709) Southeastern Afghanistan.

ISC II 13 22 55 22.7–1.1 34.50N–.09 69.7E–.10 24 3.4b 20 8-65
IDC II 13 22 55 19.9–2.9 34.57N 69.42E 0 3.4,3.3b ¶610415472
NNC II 13 22 55 30.5–2.0 34.87N 69.62E 92–50 3.6,3.3b
ISC Event type se.
IDC Error ellipse: s-maj=77.0km s-min=28.8km az=152.0.
NNC Event type se. Error ellipse: s-maj=29.0km s-min=14.2km az=126.0.
ISC II 14 23 58 53.0–.64 34.30N–.06 70.45E–.06 42 3.7b 60 1-83
NDI II 14 23 58 46.2–.95 34.63N 69.78E 60 3.7b,3.5L ¶610209191
IDC II 14 23 58 48.7–1.5 34.46N 70.47E 0 3.8b,3.7
NEIC II 14 23 58 55.4–1.5 34.33N–.09 70.47E–.07 58–8 3.7b,3.7
NNC II 14 23 58 56.1–5.6 34.77N 70.34E 0 3.9b,3.4
ISC Event type se.
NDI Error ellipse: s-maj=12.1km s-min=10.5km az=-1.0.
IDC Error ellipse: s-maj=23.9km s-min=18.6km az=53.0.
NEIC Event type se. Error ellipse: s-maj=13.4km s-min=8.1km az=197.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=67.5km s-min=43.3km az=105.0.
ISC IV 09 18 20 36.0–.71 34.12N–.06 69.20E–.06 10 4.0b 61 0-84
NEIC IV 09 18 20 34.7–2.4 34.04N–.03 68.98E–.09 10–1 3.4b ¶610523839
IDC IV 09 18 20 34.3–1.0 34.17N 69.30E 0 3.9b,3.8
NNC IV 09 18 20 39.2–7.9 34.40N 69.06E 0 4.2b,4.1
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.5km s-min=3.6km az=286.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=23.0km s-min=19.6km az=108.0.
NNC Event type se. Error ellipse: s-maj=123.1km s-min=65.7km az=104.0.
ISC IV 29 06 17 04.2–.49 34.37N–.05 69.88E–.05 35 4.1b,3.2s 122 1-84
NDI IV 29 06 17 00.8–3.1 34.55N 69.64E 10 4.0b,3.9L ¶610588568
MOS IV 29 06 17 00.1–.99 34.40N 69.98E 12 4.2b,3.9L
NEIC IV 29 06 17 01.8–3.1 34.38N–.07 69.85E–.05 10–2 4.0b,3.9L
NNC IV 29 06 17 05.4–1.4 34.36N 70.08E 59–18 4.3,4.1b
IDC IV 29 06 17 07.9–3.0 34.59N 70.13E 59–26 4.1,3.8b
ISC Event type se.
NDI Error ellipse: s-maj=21.2km s-min=22.9km az=-1.0.
MOS Error ellipse: s-maj=9.7km s-min=4.8km az=82.1.
NEIC Event type se. Error ellipse: s-maj=12.6km s-min=7.5km az=183.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=15.7km s-min=11.1km az=106.0.
IDC Error ellipse: s-maj=18.1km s-min=12.7km az=10.0.
ISC V 17 15 04 58.2–.89 34.15N–.08 69.63E–.09 19 3.6b 19 2-84
IDC V 17 15 04 55.1–1.1 34.05N 69.49E 0 3.6,3.6b ¶610641934
ISC Event type ke.
IDC Error ellipse: s-maj=28.4km s-min=20.5km az=87.0.
ISC V 17 15 05 28.3–.77 34.24N–.08 69.36E–.08 19 4.0b 52 0-84
IDC V 17 15 05 25.4–.88 34.17N 69.49E 0 3.8,3.8b ¶610690499
NEIC V 17 15 05 27.1–1.8 34.18N–.05 69.2E–.10 17–5 4.3b,3.8b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 17 16 19 29.4–.42 34.17N–.05 69.39E–.04 10 4.4b,3.2s 170 0-98
IDC V 17 16 19 27.8–.77 34.11N 69.54E 0 4.1,4.1b ¶610641851
MOS V 17 16 19 28.1–1.3 34.24N 69.55E 12 4.8b,4.1b
BJI V 17 16 19 29.3–.00 34.39N 69.48E 6 4.7b,4.5L
NEIC V 17 16 19 30.2–1.8 34.30N–.06 69.42E–.07 13–1 4.5b,4.5L
NNC V 17 16 19 30.1–8.6 34.41N 68.92E 0 4.5b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=19.0km s-min=13.8km az=36.0.
MOS Error ellipse: s-maj=10.9km s-min=5.3km az=81.9.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=6.4km az=216.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=87.6km s-min=66.0km az=118.0.
ISC V 24 12 40 16.6–.82 34.09N–.06 69.33E–.06 10 3.9b 51 1-84
IDC V 24 12 40 15.8–1.2 34.14N 69.42E 0 3.7,3.7b ¶610653320
NEIC V 24 12 40 17.5–2.7 34.14N–.04 69.0E–.10 10–9 3.7b,3.7b
NNC V 24 12 40 20.9–3.3 34.43N 69.26E 0 4.2b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=27.9km s-min=21.5km az=104.0.
NEIC Event type se. Error ellipse: s-maj=15.7km s-min=5.0km az=93.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=39.0km s-min=21.4km az=135.0.
ISC V 26 16 11 57.6–1.1 34.12N–.07 68.92E–.09 10 3.7b 29 0-84
IDC V 26 16 11 55.5–3.4 34.24N 68.80E 0 3.8b,3.6 ¶610655258
NEIC V 26 16 11 59.9–2.6 34.19N–.04 68.9E–.10 10–7 3.5b,3.6
NNC V 26 16 11 59.1–9.9 34.45N 68.42E 0 4.0b,3.6
ISC Event type se.
IDC Error ellipse: s-maj=97.5km s-min=29.6km az=96.0.
NEIC Event type se. Error ellipse: s-maj=16.3km s-min=4.5km az=105.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=102.4km s-min=76.5km az=119.0.
ISC VI 04 10 49 07.8–.70 34.53N–.07 70.08E–.07 35 3.5b 35 8-84
IDC VI 04 10 49 11.9–3.9 34.68N 70.22E 75–33 3.6,3.2b ¶610760915
NNC VI 04 10 49 12.2–4.7 34.83N 69.49E 50–62 4.0b,3.7
ISC Event type se.
IDC Error ellipse: s-maj=27.8km s-min=18.3km az=172.0.
NNC Event type se. Error ellipse: s-maj=45.7km s-min=36.2km az=111.0.
ISC VI 22 09 13 12.9–.34 34.83N–.04 69.55E–.03 10 4.5b,3.5s 182 1-148
IDC VI 22 09 13 10.3–.64 34.78N 69.73E 0 4.3,4.3b ¶610693602
MOS VI 22 09 13 12.5–1.3 34.73N 69.67E 22 4.7b,4.3b
NEIC VI 22 09 13 15.5–2.8 34.75N–.07 69.48E–.06 25–6 4.5b,4.3b
NNC VI 22 09 13 17.0–9.7 35.10N 69.15E 5–204 4.7b,4.4
BJI VI 22 09 13 20.7–.00 35.15N 69.69E 94 4.7b,4.7b
ISC Event type se.
IDC Error ellipse: s-maj=16.7km s-min=11.8km az=17.0.
MOS Error ellipse: s-maj=7.2km s-min=4.6km az=81.9.
NEIC Event type se. Error ellipse: s-maj=10.7km s-min=6.5km az=196.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=227.4km s-min=36.1km az=178.0.

(710) Pakistan.

ISC I 02 07 16 46.5–.48 34.91N–.04 73.57E–.06 21 4.1b 82 1-83
IDC I 02 07 16 42.2–.98 34.77N 73.54E 0 3.8b,3.7 ¶610095151
NEIC I 02 07 16 47.5–1.0 34.88N–.04 73.8E–.10 25–6 4.2b,3.7
NDI I 02 07 16 48.2–2.6 34.91N 73.17E 33 3.7L,3.7
NNC I 02 07 16 52.3–6.2 35.40N 72.98E 0 3.9b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=24.6km s-min=19.2km az=73.0.
NEIC Event type se. Error ellipse: s-maj=12.5km s-min=4.8km az=100.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NDI Error ellipse: s-maj=25.4km s-min=32.1km az=-1.0.
NNC Event type se. Error ellipse: s-maj=54.8km s-min=45.8km az=131.0.
ISC I 02 20 42 03.6–.78 28.47N–.10 66.64E–.09 10 3.5b,3.0s 31 6-83
IDC I 02 20 42 01.8–1.1 28.42N 66.69E 0 3.6,3.6L ¶610236513
ISC Event type ke.
IDC Error ellipse: s-maj=29.0km s-min=21.9km az=132.0.
ISC I 03 06 56 25.5–.88 34.91N–.09 73.47E–.09 21 3.8b 34 8-83
IDC I 03 06 56 21.9–.92 34.89N 73.60E 0 3.9,3.9b ¶610098349
NNC I 03 06 56 34.3–4.6 35.27N 73.41E 91–36 4.1,3.5b
ISC Event type se.
IDC Error ellipse: s-maj=19.9km s-min=18.5km az=42.0.
NNC Event type se. Error ellipse: s-maj=38.0km s-min=23.6km az=21.0.
ISC I 03 17 23 17.2–1.8 34.5N–.20 73.3E–.20 22 3.7b 10 9-68
IDC I 03 17 23 11.6–6.7 34.31N 73.65E 0 3.7b,3.6 ¶610098389
NNC I 03 17 23 20.9–13 34.86N 72.85E 2–257 3.9,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=173.1km s-min=35.2km az=134.0.
NNC Event type se. Error ellipse: s-maj=253.9km s-min=74.4km az=168.0.
ISC I 06 01 22 01.8–.98 35.8N–.10 71.15E–.09 10 3.7b 28 6-45
IDC I 06 01 22 08.7–5.5 36.04N 71.44E 49–35 3.6,3.3b ¶610102374
SOME I 06 01 22 12.2 37.85N 71.90E 0 3.6,3.3b
NNC I 06 01 22 18.4–4.1 36.81N 71.12E 104–73 3.6,3.1b
ISC Event type se.
IDC Error ellipse: s-maj=69.4km s-min=26.3km az=169.0.
NNC Event type se. Error ellipse: s-maj=33.3km s-min=31.1km az=53.0.
ISC I 08 08 03 57.5–.66 29.28N–.09 70.25E–.05 10 3.8b 28 6-88
IDC I 08 08 03 57.2–.93 29.45N 70.30E 0 3.8,3.8b ¶610180867
ISC Event type ke.
IDC Error ellipse: s-maj=25.9km s-min=18.0km az=60.0.
ISC I 08 13 31 28.4–.34 31.75N–.04 72.28E–.04 35 4.4b,3.3s 188 0-91
BJI I 08 13 31 26.0–.00 31.90N 72.30E 10 4.8L,4.7b ¶610049668
NEIC I 08 13 31 26.2–1.9 31.77N–.05 72.16E–.08 10–1 4.5b,4.7b
NDI I 08 13 31 27.0–3.9 31.80N 72.16E 10 4.5b,4.3L
MOS I 08 13 31 28.8–1.1 31.96N 72.26E 45 4.6b,4.3L
IDC I 08 13 31 29.4–.68 31.90N 72.29E 36–4 4.2L,4.1
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=14.0km s-min=4.9km az=121.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NDI Error ellipse: s-maj=14.9km s-min=17.3km az=-1.0.
MOS Error ellipse: s-maj=9.5km s-min=5.5km az=93.9.
IDC Error ellipse: s-maj=18.0km s-min=11.1km az=40.0.
ISC I 09 12 53 05.3–.42 27.32N–.05 65.76E–.04 25 4.2b,3.8s 204 5-91
IDC I 09 12 53 01.6–.93 27.34N 65.76E 0 4.0,3.9b ¶610050577
NEIC I 09 12 53 03.5–1.8 27.2N–.10 65.90E–.09 24–8 4.1b,3.9b
MOS I 09 12 53 06.7–1.3 27.48N 65.98E 35 4.4b,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=21.1km s-min=15.2km az=30.0.
NEIC Event type se. Error ellipse: s-maj=21.2km s-min=8.0km az=155.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=9.9km s-min=5.5km az=87.3.
ISC I 12 00 53 10.8–.42 30.86N–.05 69.77E–.04 10 4.2b,3.7s 172 3-87
IDC I 12 00 53 08.4–.75 30.74N 69.64E 0 4.0,4.0b ¶610057041
MOS I 12 00 53 10.3–1.4 30.97N 69.78E 13 4.4b,4.0b
NDI I 12 00 53 11.1–3.7 31.03N 69.56E 10 4.3b,3.9L
NEIC I 12 00 53 11.1–1.8 30.78N–.06 69.77E–.07 10–1 4.3b,3.9L
NNC I 12 00 53 12.7–3.9 31.08N 70.07E 0 4.3b,3.9L
BJI I 12 00 53 12.5–.00 31.14N 69.73E 18 4.9b,4.3b
ISC Event type se.
IDC Error ellipse: s-maj=17.9km s-min=13.4km az=24.0.
MOS Error ellipse: s-maj=8.4km s-min=4.7km az=90.4.
NDI Error ellipse: s-maj=15.8km s-min=29.2km az=-1.0.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=8.2km az=227.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=50.4km s-min=31.7km az=170.0.
ISC I 14 03 59 48.5–1.2 31.1N–.20 69.2E–.20 35 3.4b 6 12-87
IDC I 14 03 59 43.0–1.3 30.99N 69.11E 0 3.7,3.7b ¶610237330
ISC Event type ke.
IDC Error ellipse: s-maj=38.5km s-min=31.8km az=109.0.
IDC I 16 19 47 21.1–4.9 26.35N 66.26E 0 3.8,3.8b ¶610237537
IDC Error ellipse: s-maj=127.8km s-min=39.7km az=143.0.
ISC I 20 03 47 42.4–.39 26.79N–.05 66.30E–.04 8 4.5b,4.1s 229 5-123
IDC I 20 03 47 41.1–.64 26.70N 66.08E 0 4.3,4.3b ¶610102451
MOS I 20 03 47 42.7–1.1 26.82N 66.28E 15 4.6b,4.3b
NEIC I 20 03 47 42.6–1.8 26.71N–.09 66.15E–.09 10–1 4.5b,4.3b
BGR I 20 03 47 49.7 26.68N 65.88E 33 5.0b,4.3b
ISC Event type se.
IDC Error ellipse: s-maj=16.6km s-min=12.4km az=16.0.
MOS Error ellipse: s-maj=7.7km s-min=4.7km az=105.1.
NEIC Event type se. Error ellipse: s-maj=16.5km s-min=11.6km az=150.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BGR Event type ke.
ISC I 23 10 15 33.7–1.4 33.6N–.10 71.2E–.20 35 4.1b 17 9-84
IDC I 23 10 15 28.6–2.1 33.82N 71.18E 0 4.1,4.1b ¶610235182
NNC I 23 10 15 37.5–4.9 33.79N 70.99E 66–37 3.6b,4.1b
ISC Event type se.
IDC Error ellipse: s-maj=46.2km s-min=28.7km az=76.0.
NNC Event type se. Error ellipse: s-maj=47.0km s-min=33.9km az=54.0.
ISC I 23 11 15 54.0–.41 29.09N–.05 69.07E–.04 35 4.3b,3.4s 171 4-145
MOS I 23 11 15 49.9–1.1 29.22N 69.08E 15 4.6b,3.4s ¶610105492
IDC I 23 11 15 49.1–.64 29.07N 69.02E 0 4.2,4.1b
NEIC I 23 11 15 52.9–1.6 29.1N–.10 69.0E–.10 24–6 4.5b,4.1b
NNC I 23 11 15 52.5–4.4 29.46N 69.10E 2–34 4.4b,4.1b
ISC Event type se.
MOS Error ellipse: s-maj=8.5km s-min=4.1km az=82.4.
IDC Error ellipse: s-maj=16.1km s-min=13.8km az=21.0.

NEIC Event type se. Error ellipse: s-maj=16.4km s-min=13.9km az=137.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=25.1km s-min=16.6km az=176.0.
ISC I 23 12 43 40.2–2.4 29.5N–.20 71.5E–.60 35 3.5b 6 13-88
IDC I 23 12 43 34.2–2.6 29.34N 71.31E 0 3.5b,3.4 ¶610235196
ISC Event type ke.
IDC Error ellipse: s-maj=99.2km s-min=29.3km az=79.0.
ISC I 25 22 05 10.7–2.2 29.6N–.20 68.9E–.50 10 3.4b 6 14-88
IDC I 25 22 05 09.0–2.7 29.62N 68.82E 0 3.6L,3.4 ¶610235343
ISC Event type ke.
IDC Error ellipse: s-maj=92.5km s-min=27.1km az=82.0.
ISC I 29 08 51 04.7–.29 26.67N–.04 65.99E–.03 35 4.6b,4.4s 426 5-123
IDC I 29 08 51 00.5–.46 26.70N 66.06E 0 4.4,4.4b ¶610147581
NEIC I 29 08 51 01.4–1.2 26.77N–.08 65.95E–.08 10–1 4.7b,4.4b
MOS I 29 08 51 02.1–1.2 26.80N 66.09E 21 4.8b,4.5s
GCMT I 29 08 51 03.4–.30 26.60N–.02 65.99E–.02 12 5.0W,4.5s
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s30,c32; s81,c108;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-0.52±.12 $M_{\theta\theta}$1.30±.13; $M_{\phi\phi}$-0.77±.12; $M_{r\theta}$-3.15±.33; $M_{\theta\phi}$-2.58±.08; $M_{\phi r}$-1.28±.31; Best double couple: NP1:ϕ_s79.00000°,δ85.00000°,λ-130.00000°. NP2:ϕ_s343.00000°,δ40.00000°,λ-8.00000°. Principal axes: T 4.0940,Plg28.0000° ,Azm201.0000°; N 0.5850,Plg40.0000°,Azm84.0000°; P -4.6790,Plg37.0000°,Azm315.0000° $M_0$4.38700×10^{16}
ISC II 07 06 57 04.5–2.7 35.0N–.30 72.6E–.20 35 4.0s 9 8-89
IDC II 07 06 57 00.1–3.4 35.03N 72.69E 0 3.9s,3.7b ¶610415021
ISC Event type ke.
IDC Error ellipse: s-maj=67.6km s-min=25.4km az=135.0.
IDC II 08 07 17 55.2–3.0 29.65N 71.74E 0 3.4,3.4b ¶610415097
IDC Error ellipse: s-maj=114.4km s-min=30.8km az=78.0.
ISC II 20 01 53 19.3–1.8 35.5N–.10 71.8E–.10 68 4.0b 22 7-46
IDC II 20 01 53 10.4–5.0 35.30N 72.01E 0 4.0b,3.8 ¶610384662
NNC II 20 01 53 18.6–4.4 35.43N 71.65E 54–77 3.6b,3.5
ISC Event type se.
IDC Error ellipse: s-maj=80.5km s-min=27.9km az=148.0.
NNC Event type se. Error ellipse: s-maj=47.0km s-min=31.0km az=75.0.
ISC III 04 10 14 30.6–1.1 30.2N–.20 69.29E–.10 10 3.6b,2.8s 20 12-88
IDC III 04 10 14 28.9–1.8 30.19N 69.29E 0 3.9L,3.8 ¶610545516
ISC Event type ke.
IDC Error ellipse: s-maj=38.1km s-min=22.2km az=163.0.
ISC III 05 05 53 13.2–.81 33.98N–.07 72.56E–.08 35 3.4b 31 8-84
IDC III 05 05 53 08.4–1.2 33.99N 72.53E 0 3.6,3.4b ¶610472629
NNC III 05 05 53 20.4–1.9 34.38N 72.37E 84–24 3.8,3.5b
ISC Event type se.
IDC Error ellipse: s-maj=30.8km s-min=21.3km az=91.0.
NNC Event type se. Error ellipse: s-maj=28.4km s-min=13.6km az=109.0.
ISC III 05 20 38 08.7–.00 34.8N–.10 73.6E–.20 35 3.6b 18 8-83
IDC III 05 20 38 03.7–.97 34.81N 73.57E 0 3.7,3.7b ¶610545607
ISC Event type ke.
IDC Error ellipse: s-maj=24.4km s-min=19.5km az=71.0.
ISC III 10 11 47 35.8–1.1 30.7N–.20 67.0E–.20 35 3.4b 7 11-84
IDC III 10 11 47 31.5–1.8 30.58N 67.21E 0 3.6,3.6b ¶610545954
ISC Event type ke.
IDC Error ellipse: s-maj=66.9km s-min=27.3km az=113.0.
ISC III 18 00 31 34.8–.33 27.14N–.05 65.57E–.03 35 4.6b,4.0s 370 4-123
IDC III 18 00 31 30.4–.64 27.31N 65.55E 0 4.3,4.3b ¶610344626
BJI III 18 00 31 31.2–.00 27.21N 65.71E 11 5.0b,4.8b
NEIC III 18 00 31 34.5–1.8 27.31N–.09 65.54E–.08 24–5 4.6b,4.8b
GCMT III 18 00 31 35.5–.50 27.13N–.03 65.53E–.03 35–1 4.9W,4.8b
DSN III 18 00 31 41.5–1.8 27.66N 64.69E 23 4.8b,3.9L
ISC Event type se.
IDC Error ellipse: s-maj=14.7km s-min=10.6km az=178.0.
NEIC Event type se. Error ellipse: s-maj=13.1km s-min=9.3km az=156.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s19,c22; s65,c85;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}0.73±.22 $M_{\theta\theta}$-2.56±.16; $M_{\phi\phi}$1.82±.16; $M_{r\theta}$0.89±.19; $M_{\theta\phi}$-2.05±.14; $M_{\phi r}$-0.06±.15; Best double couple: NP1:ϕ_s113.00000°,δ89.00000°,λ164.00000°. NP2:ϕ_s203.00000°,δ74.00000°,λ1.00000°. Principal axes: T 2.7080,Plg12.0000° ,Azm67.0000°; N 0.8100,Plg74.0000°,Azm291.0000°; P -3.5250,Plg11.0000°,Azm159.0000° $M_0$3.11600×10^{16}
DSN Error ellipse: s-maj=32.8km s-min=16.7km az=154.0.
ISC III 18 06 45 06.1–.39 26.22N–.05 67.98E–.04 35 4.3b,3.7s 216 6-124
IDC III 18 06 45 00.8–.58 26.05N 67.92E 0 4.2,4.2b ¶610345848
MOS III 18 06 45 03.8–1.5 26.20N 68.01E 23 4.6b,4.2b
NEIC III 18 06 45 06.0–2.5 26.15N–.09 67.83E–.07 34–5 4.4b,4.2b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 18 13 47 30.1–1.2 34.7N–.20 72.6E–.20 25 3.7b 6 14-82
IDC III 18 13 47 26.1–1.2 34.70N 72.60E 0 3.7b,3.6 ¶610546458
ISC Event type ke.
IDC Error ellipse: s-maj=33.3km s-min=30.3km az=81.0.
ISC III 18 17 28 47.5–.66 27.15N–.10 65.53E–.06 35 3.7b,3.2s 38 7-91
IDC III 18 17 28 44.0–1.2 27.22N 65.59E 0 3.7,3.7b ¶610546462
DSN III 18 17 28 52.3–.19 26.95N 64.93E 10 3.3L,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=26.7km s-min=17.4km az=170.0.
DSN Error ellipse: s-maj=12.2km s-min=3.4km az=1.0.
ISC III 19 19 15 34.3–1.1 34.89N–.10 73.8E–.10 50 14 8-68
IDC III 19 19 15 36.0–8.6 34.95N 73.72E 64–72 3.5,3.3b ¶610546534
ISC Event type ke.
IDC Error ellipse: s-maj=71.1km s-min=47.5km az=126.0.
ISC III 20 05 35 30.2–.73 27.6N–.10 65.96E–.09 10 3.6b 16 7-88
IDC III 20 05 35 29.9–.99 27.66N 65.93E 0 3.7s,3.7 ¶610543300
ISC Event type ke.
IDC Error ellipse: s-maj=24.9km s-min=22.6km az=103.0.
ISC III 21 05 56 38.0–.38 33.81N–.04 72.68E–.03 34 4.2b 166 1-84
NDI III 21 05 56 33.9–2.4 33.82N 72.10E 10 4.3b,3.9L ¶610394240
IDC III 21 05 56 33.9–.74 33.84N 72.51E 0 4.2,4.1b
NEIC III 21 05 56 37.3–2.3 33.55N–.09 72.67E–.06 41–9 4.3b,4.1b
MOS III 21 05 56 39.9–1.1 34.05N 72.59E 49 4.3b,4.1b
BJI III 21 05 56 42.7–.00 34.36N 72.22E 100 4.5b,4.1b
ISC Event type se.
NDI Error ellipse: s-maj=12.5km s-min=12.9km az=-1.0.
IDC Error ellipse: s-maj=19.3km s-min=13.9km az=44.0.
NEIC Event type se. Error ellipse: s-maj=14.5km s-min=4.9km az=156.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=10.9km s-min=5.2km az=92.8.
ISC III 24 01 23 30.0–.43 28.97N–.03 67.28E–.03 19–1 4.8b,4.3s 757 5-146
IDC III 24 01 23 27.0–.47 28.98N 67.28E 0 4.6,4.6b ¶610472926
BJI III 24 01 23 29.4–.00 29.38N 67.37E 10 5.0b,4.8s
MOS III 24 01 23 29.8–1.4 29.12N 67.39E 27 5.1b,4.2s
GCMT III 24 01 23 31.0–.30 28.90N–.02 67.37E–.01 25–1 5.0W,4.2s
NEIC III 24 01 23 31.1–1.8 29.11N–.07 67.18E–.06 18–3 4.9b,4.2s
BGR III 24 01 24 14.6 31.51N 62.48E 33 4.1b,4.2s
ISC Event type ke.
IDC Error ellipse: s-maj=12.5km s-min=9.8km az=20.0.
MOS Error ellipse: s-maj=5.2km s-min=3.4km az=99.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s23,c25; s96,c138;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}0.48±.15 $M_{\theta\theta}$-3.48±.12; $M_{\phi\phi}$3.00±.11; $M_{r\theta}$1.56±.26; $M_{\theta\phi}$-1.64±.09; $M_{\phi r}$-0.56±.23; Best double couple: NP1:ϕ_s121.00000°,δ90.00000°,λ156.00000°. NP2:ϕ_s211.00000°,δ66.00000°,λ0.00000°. Principal axes: T 3.6740,Plg17.0000° ,Azm73.0000°; N 0.6120,Plg66.0000°,Azm300.0000°; P -4.2840,Plg17.0000°,Azm169.0000° $M_0$3.97900×10^{16}

NEIC Event type se. Error ellipse: s-maj=9.6km s-min=7.7km az=175.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
BGR Event type ke.
ISC III 24 07 24 31.4–.97 30.3N–.10 67.2E–.20 10 3.7b,2.9s 11 10-88
IDC III 24 07 24 30.5–1.1 30.42N 67.40E 0 3.7,3.6b ¶610543579
ISC Event type ke.
IDC Error ellipse: s-maj=29.9km s-min=23.4km az=99.0.
ISC IV 19 21 54 54.6–.70 30.38N–.07 69.67E–.07 10 3.7b 27 12-87
IDC IV 19 21 54 53.6–1.3 30.30N 69.75E 0 3.7,3.6b ¶610653076
ISC Event type ke.
IDC Error ellipse: s-maj=27.2km s-min=21.1km az=144.0.
ISC IV 22 19 37 38.4–.36 29.59N–.04 67.38E–.04 35 4.2b,3.5s 239 5-99
IDC IV 22 19 37 33.1–.67 29.64N 67.33E 0 4.1L,4.0 ¶610547315
MOS IV 22 19 37 35.9–1.6 29.71N 67.44E 27 4.4b,4.0
NEIC IV 22 19 37 36.3–2.0 29.63N–.09 67.37E–.09 18–4 4.3b,4.0
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC IV 24 13 54 27.4–5.4 29.41N 69.99E 0 3.8b,3.6 ¶610649894
IDC Error ellipse: s-maj=123.8km s-min=66.5km az=141.0.
ISC V 07 07 44 38.3–1.5 34.9N–.10 73.7E–.20 35 3.7b 11 7-83
IDC V 07 07 44 32.6–3.7 34.73N 73.62E 0 3.5b,3.4 ¶610689704
ISC Event type ke.
IDC Error ellipse: s-maj=91.6km s-min=29.0km az=137.0.
ISC V 12 01 55 58.1–2.9 28.9N–.40 66.4E–.30 10 3.4b 14 9-62
IDC V 12 01 55 53.3–5.1 28.54N 66.92E 0 3.5,3.5b ¶610690089
ISC Event type ke.
IDC Error ellipse: s-maj=137.0km s-min=29.4km az=138.0.
ISC V 14 03 44 58.9–1.3 35.3N–.10 71.4E–.10 150 3.5b 21 7-83
IDC V 14 03 45 06.4–4.8 35.99N 71.00E 160–40 3.8,3.3b ¶610690242
ISC Event type ke.
IDC Error ellipse: s-maj=35.8km s-min=25.7km az=14.0.
IDC VI 06 16 58 60.0–1.9 34.72N 73.34E 0 3.7,3.6b ¶610791347
IDC Error ellipse: s-maj=78.2km s-min=28.1km az=65.0.
ISC VI 12 05 25 59.8–1.1 27.71N–.09 65.04E–.09 35 3.5b 45 4-49
IDC VI 12 05 25 56.3–31 27.82N 64.76E 0 3.4,3.4b ¶610791696
OMAN VI 12 05 26 12.3–.34 27.21N 64.26E 10 5.2b,2.7s
DSN VI 12 05 26 17.5–3.0 27.24N 63.81E 10 3.6L,2.7s
ISC Event type ke.
IDC Error ellipse: s-maj=610.0km s-min=50.8km az=169.0.
OMAN Error ellipse: s-maj=9.8km s-min=5.4km az=3.0.
DSN Error ellipse: s-maj=91.7km s-min=19.9km az=178.0.
ISC VI 12 07 34 11.4–1.9 35.0N–.20 72.3E–.20 35 7 8-67
IDC VI 12 07 34 05.1–5.3 34.92N 72.30E 0 3.7b,3.6 ¶610791709
ISC Event type ke.
IDC Error ellipse: s-maj=136.2km s-min=33.0km az=135.0.
ISC VI 14 09 06 05.6–.30 34.90N–.03 72.87E–.04 24 5.0s,4.6b 408 1-112
IDC VI 14 09 06 01.7–.55 34.87N 72.78E 0 5.1s,4.3 ¶610673074
MOS VI 14 09 06 03.6–1.5 34.91N 72.89E 21 4.7b,4.3
BJI VI 14 09 06 04.7–.00 34.77N 72.81E 21 4.8b,4.5b
NEIC VI 14 09 06 06.4–2.1 34.87N–.03 72.92E–.07 25–6 4.7b,4.5b
NNC VI 14 09 06 09.3–7.1 34.95N 73.22E 82–42 4.8,4.2b
ISC Event type se.
IDC Error ellipse: s-maj=13.6km s-min=10.5km az=23.0.
MOS Error ellipse: s-maj=6.4km s-min=4.1km az=98.7.
NEIC Event type se. Error ellipse: s-maj=8.9km s-min=3.6km az=85.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=75.7km s-min=37.9km az=37.0.
ISC VI 14 22 20 20.9–1.4 28.3N–.10 65.1E–.10 35 3.6b 25 8-61
IDC VI 14 22 20 17.8–2.3 28.47N 64.93E 0 3.6,3.6b ¶610791895
DSN VI 14 22 20 29.5–1.5 27.78N 64.52E 10 3.3L,3.6b
ISC Event type ke.
IDC Error ellipse: s-maj=48.9km s-min=19.2km az=141.0.
DSN Error ellipse: s-maj=45.4km s-min=12.1km az=174.0.
ISC VI 30 20 38 46.0–.77 34.88N–.08 73.8E–.10 50 3.5b 32 8-81
IDC VI 30 20 38 40.2–.95 34.83N 73.74E 0 3.7b,3.6 ¶610789813
NNC VI 30 20 38 59.1–11 36.12N 75.42E 164–61 3.9,3.1b
ISC Event type se.
IDC Error ellipse: s-maj=22.7km s-min=18.0km az=54.0.
NNC Event type se. Error ellipse: s-maj=187.2km s-min=93.7km az=61.0.

(712) India-Pakistan border region.

ISC V 09 10 33 52.4–1.4 30.90N–.05 74.8E–.10 10 3.6b 16 2-76
IDC V 09 10 33 53.3–1.4 30.62N 76.01E 0 3.5b,3.4 ¶610689893
NDI V 09 10 33 59.7–4.0 30.93N 74.99E 41–45 3.4L,3.4
ISC Event type ke.
IDC Error ellipse: s-maj=52.8km s-min=32.5km az=47.0.
NDI Error ellipse: s-maj=11.4km s-min=36.1km az=-1.0.

SEISMIC REGION 48.
Hindu Kush and Pamir.

(713) Central Kazakhstan.

ISC I 26 06 55 11.8–.83 42.92N–.04 70.55E–.04 15–8 57 0-4
SOME I 26 06 55 10.9 42.93N 70.72E 0 ¶612033611
NNC I 26 06 55 11.8–.22 42.92N 70.66E 0 3.3b,3.0
KRNET I 26 06 55 11.7–.10 42.91N 70.56E 12 2.9b,3.0
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=1.4km s-min=1.1km az=50.0.
ISC II 04 08 38 52.9–1.1 50.79N–.05 73.39E–.07 10 41 1-9
SOME II 04 08 38 53.4 50.83N 73.30E 0 ¶612084637
NNC II 04 08 38 56.5–.62 50.80N 73.29E 0 4.1b,3.8
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=11.7km s-min=4.4km az=58.0.
ISC II 19 04 52 17.7–.90 43.26N–.02 74.68E–.02 8–7 107 0-3
KRNET II 19 04 52 17.6–.10 43.31N 74.65E 15 3.0b ¶610246663
SOME II 19 04 52 17.7 43.30N 74.63E 10 3.0b
KNET II 19 04 52 17.6–.46 43.28N 74.70E 14–3 1.6L
NNC II 19 04 52 18.8–.56 43.27N 74.75E 0 3.0,3.0b
ISC Event type se.
KNET Error ellipse: s-maj=3.6km s-min=2.2km az=21.0.
NNC Event type se. Error ellipse: s-maj=3.8km s-min=2.5km az=134.0.
ISC II 27 23 39 55.0–1.2 43.12N–.03 73.17E–.02 4–10 104 0-8
KRNET II 27 23 39 56.6–.10 43.12N 73.15E 35 3.1b ¶610246697
SOME II 27 23 39 56.7 43.12N 73.13E 15 3.1b
NNC II 27 23 39 56.4–.31 43.07N 73.13E 0 3.5b,3.4
KNET II 27 23 39 57.7–.54 43.06N 73.19E 30–4 2.3L,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=2.3km s-min=2.1km az=26.0.
KNET Error ellipse: s-maj=3.5km s-min=2.7km az=110.0.
ISC III 08 22 33 34.8–1.1 43.48N–.03 71.77E–.02 12–8 3.7b 152 1-74
IDC III 08 22 33 32.9–1.2 43.28N 71.79E 0 3.7,3.4b ¶610305012
NNC III 08 22 33 35.0–.37 43.46N 71.77E 6–4 4.1b,3.9
KRNET III 08 22 33 36.4–.10 43.38N 71.78E 30 3.7b,3.9
SOME III 08 22 33 37.6 43.38N 71.88E 20 3.7b,3.9
KNET III 08 22 33 37.9–.48 43.38N 72.16E 8–4 3.7L,3.9
ISC Event type se.
IDC Error ellipse: s-maj=17.8km s-min=9.8km az=27.0.
NNC Event type se. Error ellipse: s-maj=4.5km s-min=2.0km az=169.0.
KNET Error ellipse: s-maj=4.2km s-min=3.3km az=107.0.
ISC III 22 03 07 47.8–2.0 42.17N–.05 68.98E–.08 1–10 43 0-6
SOME III 22 03 07 47.7 42.15N 69.03E 10 ¶612087738
KRNET III 22 03 07 49.7–.10 42.15N 69.03E 18 3.5b
NNC III 22 03 07 48.9–2.0 42.30N 69.11E 0 3.6,3.6b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=14.1km s-min=6.6km az=56.0.
ISC III 30 11 58 03.5–2.1 42.60N–.04 69.8E–.10 1–12 38 0-5

SOME III 30 11 58 02.9 42.52N 70.07E 0 ¶612088307
NNC III 30 11 58 03.7–1.5 42.60N 69.84E 0 2.8b,2.5
KRNET III 30 11 58 04.2–.10 42.66N 69.85E 30 2.5b,2.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=15.2km s-min=4.6km az=107.0.
KRNET V 02 09 47 38.1–.10 43.85N 70.31E 2.2b
NNC V 02 09 47 30.7–.34 43.12N 71.65E 0 1.7 ¶612038383
NNC Event type se. Error ellipse: s-maj=44.5km s-min=1.9km az=179.0.
ISC V 19 13 10 06.7–1.2 42.45N–.04 70.83E–.02 2–12 33 1-4
NNC V 19 13 10 08.0–.81 42.51N 70.76E 0 3.2,3.1b ¶612039217
SOME V 19 13 10 07.4 42.52N 70.77E 15 3.2,3.1b
KRNET V 19 13 10 07.2–.10 42.47N 70.82E 9 2.5b,3.1b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=5.0km s-min=4.3km az=137.0.
ISC V 28 08 08 03.5–.95 47.93N–.04 74.66E–.05 10 34 2-6
SOME V 28 08 07 57.6 48.07N 74.23E 0 ¶612039614
NNC V 28 08 08 03.8–.79 47.96N 74.70E 0 3.8b,3.7
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=8.7km s-min=5.7km az=86.0.
ISC VI 03 08 41 41.1–.95 43.01N–.03 74.57E–.02 16–10 64 0-3
KNET VI 03 08 41 40.7–.29 43.00N 74.59E 21–2 1.8L ¶610758941
NNC VI 03 08 41 41.4–.51 42.94N 74.62E 0 2.9b,2.8
SOME VI 03 08 41 41.7 43.08N 74.55E 15 2.9b,2.8
ISC Event type se.
KNET Error ellipse: s-maj=2.6km s-min=2.2km az=158.0.
NNC Event type se. Error ellipse: s-maj=7.0km s-min=2.2km az=159.0.
ISC VI 11 00 01 26.6–1.3 42.39N–.03 70.48E–.03 3–11 54 0-5
SOME VI 11 00 01 26.9 42.32N 70.55E 20 ¶612088864
KRNET VI 11 00 01 26.0–.10 42.33N 70.50E 16 2.7b
ISU VI 11 00 01 28.2 42.36N 70.28E 6 2.7b
NNC VI 11 00 01 31.0–3.9 42.61N 70.91E 0 3.3b,2.9
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=38.7km s-min=10.0km az=33.0.
ISC VI 23 08 44 02.8–2.2 42.94N–.06 70.0E–.10 4–15 37 0-4
KRNET VI 23 08 44 03.6–.10 42.98N 70.01E 20 2.4b ¶612053772
NNC VI 23 08 44 03.2–.91 42.97N 69.99E 0 3.0b,2.5
SOME VI 23 08 44 09.8 41.83N 70.67E 10 3.0b,2.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=17.1km s-min=4.5km az=159.0.
ISC VI 23 10 24 03.6–3.3 45.1N–.20 71.5E–.10 10 12 2-4
SOME VI 23 10 24 03.5 45.08N 71.50E 0 ¶612053783
NNC VI 23 10 24 03.1–3.6 45.31N 71.36E 0 3.0b,2.7
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=34.1km s-min=11.6km az=152.0.

(714) Southeastern Uzbekistan.

ISC I 08 00 35 11.2–1.1 40.75N–.04 68.45E–.04 6–10 45 1-10
NNC I 08 00 35 10.7–2.6 40.64N 68.76E 0 3.8b,3.5 ¶612032837
SOME I 08 00 35 11.9 40.65N 68.97E 5 3.8b,3.5
ISU I 08 00 35 12.5 40.50N 68.89E 25 3.8b,3.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=18.7km s-min=16.3km az=173.0.
ISC I 22 03 22 46.8–2.7 40.4N–.20 68.16E–.08 10 14 2-11
NNC I 22 03 22 41.8–2.8 40.09N 68.06E 0 3.6b,3.3 ¶612033430
SOME I 22 03 22 43.4 39.72N 69.87E 10 3.6b,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=21.5km s-min=15.5km az=176.0.
ISC II 06 10 00 08.9–1.8 38.8N–.20 66.6E–.10 10 8 5-20
IDC II 06 10 00 07.0–3.9 38.58N 66.66E 0 3.6,3.2L ¶610414959
ISC Event type ke.
IDC Error ellipse: s-maj=111.0km s-min=22.2km az=156.0.
ISC III 25 12 51 20.6–2.4 40.84N–.06 68.84E–.05 9–20 15 1-10
ISU III 25 12 51 20.6 41.05N 68.63E 9 ¶612087968
SOME III 25 12 51 23.4 40.68N 69.63E 15
ISC Event type ke.
ISC IV 05 05 02 47.9–1.4 40.90N–.04 68.67E–.04 1–11 35 0-10
SOME IV 05 05 02 46.8 40.45N 69.70E 15 ¶612037107
NNC IV 05 05 02 47.0–2.0 40.91N 68.47E 0 3.5b,3.2
ISU IV 05 05 02 49.2 40.96N 68.65E 15 3.5b,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=17.5km s-min=12.2km az=1.0.
ISC V 14 09 09 31.9–2.1 39.6N–.20 66.8E–.10 10 5 6-63
IDC V 14 09 09 31.3–4.5 39.71N 66.76E 0 5.1b,4.1 ¶610690260
ISC Event type ke.
IDC Error ellipse: s-maj=213.1km s-min=25.4km az=151.0.
ISC V 24 06 46 47.4–.73 40.91N–.03 68.89E–.03 10 49 0-10
SOME V 24 06 46 44.8 40.72N 69.22E 15 ¶610650884
ISU V 24 06 46 48.9 40.90N 68.81E 9
NNC V 24 06 46 49.7–4.1 41.06N 69.01E 0 3.9b,3.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=29.4km s-min=22.6km az=28.0.

(715) Tajikistan.

ISC I 03 12 10 42.2–1.6 39.32N–.10 68.88E–.08 10 9 1-12
ISU I 03 12 10 41.0 39.62N 68.74E 1 ¶612032642
ISC Event type ke.
ISC I 06 09 31 19.8–1.3 40.82N–.03 69.74E–.04 7–13 20 1-2
KRNET I 06 09 31 20.1–.10 40.80N 69.76E 14 2.8b ¶612032756
ISU I 06 09 31 20.1 40.87N 69.71E 5 2.8b
ISC Event type ke.
ISC I 07 04 51 44.3–1.1 39.34N–.04 71.46E–.03 14–8 51 0-13
SOME I 07 04 51 44.7 39.42N 71.83E 5 ¶610104625
KRNET I 07 04 51 45.9–.10 39.24N 71.42E 14 3.5b
NNC I 07 04 51 49.0–2.4 39.23N 71.40E 0 3.9b,3.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=18.1km s-min=12.4km az=13.0.
NNC I 08 03 45 39.2–4.3 38.62N 69.05E 0 3.8b,3.6
¶612032841
NNC Event type se. Error ellipse: s-maj=35.6km s-min=25.2km az=166.0.
ISC I 09 09 11 32.2–1.4 40.96N–.05 69.38E–.09 11–13 13 0-3
KRNET I 09 09 11 31.4–.10 41.00N 69.34E 27 2.4b ¶612032891
ISC Event type ke.
ISC I 10 17 05 42.6–1.2 40.93N–.02 71.30E–.02 4–10 48 1-5
KRNET I 10 17 05 43.0–.10 40.94N 71.30E 24 2.7b ¶612032945
ISU I 10 17 05 43.2 40.92N 71.14E 15 2.7b
NNC I 10 17 05 44.5–4.9 40.90N 71.24E 0 3.3b,3.0
SOME I 10 17 05 45.9 41.03N 71.20E 10 3.3b,3.0
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=36.8km s-min=18.4km az=7.0.
ISC I 12 01 25 22.1–1.2 40.05N–.03 69.87E–.02 6–10 77 1-12
SOME I 12 01 25 19.4 40.05N 69.88E 10 ¶612032989
KRNET I 12 01 25 20.7–.10 40.06N 69.85E 17 3.5b
NNC I 12 01 25 22.7–1.2 40.17N 69.91E 0 3.8b,3.5
ISU I 12 01 25 25.7 40.02N 69.55E 20 3.8b,3.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=9.2km s-min=6.6km az=14.0.
ISC I 15 13 18 10.0–.70 39.05N–.03 70.73E–.02 2–4 4.5b 169 0-86
BJI I 15 13 18 04.3–.00 39.03N 69.99E 12 5.0b,4.4b ¶610094913
SOME I 15 13 18 08.1 39.18N 70.58E 10 5.0b,4.4b
IDC I 15 13 18 08.1–1.2 38.75N 70.75E 0 4.0,3.8b
KRNET I 15 13 18 08.8–.10 39.05N 70.78E 9 4.3b,3.8b
MOS I 15 13 18 09.0–1.1 38.91N 70.67E 12 4.2b,3.8b
NEIC I 15 13 18 10.2–1.7 38.90N–.05 70.69E–.03 6–5 4.6b,3.8b
NNC I 15 13 18 11.1–2.0 39.35N 71.43E 0 4.4b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=20.5km s-min=13.7km az=157.0.
MOS Error ellipse: s-maj=10.5km s-min=6.5km az=80.9.
NEIC Event type se. Error ellipse: s-maj=8.0km s-min=2.7km az=200.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=14.5km s-min=8.6km az=12.0.
ISC I 16 10 54 51.6–1.3 40.83N–.03 71.28E–.03 0–11 38 1-5
KRNET I 16 10 54 52.7–.10 40.86N 71.22E 17 3.1b ¶612033165
ISU I 16 10 54 53.5 40.86N 71.11E 18 3.1b
SOME I 16 10 54 54.5 41.00N 71.23E 0 3.1b
ISC Event type ke.
ISC I 17 13 22 17.1–3.9 38.6N–.30 69.7E–.10 12 18 4-13
NNC I 17 13 22 17.8–2.5 38.78N 70.92E 0 4.2b,3.8 ¶612033214
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=91.3km s-min=17.0km az=86.0.
ISC I 21 09 43 52.7–.80 39.81N–.03 71.94E–.02 10 70 0-4
KRNET I 21 09 43 52.3–.10 39.82N 71.95E 14 3.2b ¶610104780
NNC I 21 09 43 54.7–5.8 39.74N 71.95E 0 3.5b,3.2
ISU I 21 09 43 54.7 39.92N 72.00E 16 3.5b,3.2
SOME I 21 09 43 54.8 40.18N 72.32E 0 3.5b,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=46.9km s-min=24.3km az=7.0.
ISC I 23 22 16 53.8–.76 40.92N–.03 71.17E–.02 15 50 1-5
KRNET I 23 22 16 53.2–.10 40.92N 71.06E 35 2.8b ¶612033512
ISU I 23 22 16 54.1 40.89N 71.19E 15 2.8b
NNC I 23 22 16 56.7–1.5 40.99N 71.20E 0 3.2,3.2b
SOME I 23 22 16 57.0 41.05N 71.20E 0 3.2,3.2b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=11.2km s-min=4.5km az=2.0.
ISC I 26 00 44 23.4–.50 37.33N–.04 72.21E–.05 200 3.9b 116 4-80
NNC I 26 00 44 22.0–7.2 37.58N 71.49E 0 4.3b,4.2 ¶610123268
MOS I 26 00 44 23.3–.63 37.25N 72.27E 228 3.9b,4.2
IDC I 26 00 44 23.4–3.2 37.21N 72.23E 220–22 4.2,3.4b
NEIC I 26 00 44 25.4–1.3 37.36N–.06 72.1E–.10 224–8 4.5b,3.4b
SOME I 26 00 44 31.4 37.92N 72.45E 0 4.5b,3.4b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=57.2km s-min=36.7km az=173.0.
MOS Error ellipse: s-maj=12.0km s-min=4.8km az=77.0.
IDC Error ellipse: s-maj=39.8km s-min=17.9km az=141.0.
NEIC Event type se. Error ellipse: s-maj=16.2km s-min=7.4km az=78.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC I 27 02 50 56.9–1.4 38.74N 69.30E 5–5 3.7b,3.3
¶612033644
NNC Event type se. Error ellipse: s-maj=10.9km s-min=5.7km az=171.0.
ISC I 28 00 13 07.9–1.0 38.29N–.10 69.66E–.08 10 3.5b 21 5-86
NNC I 28 00 12 44.3–4.8 36.75N 70.16E 0 4.1b,4.0 ¶610235519
IDC I 28 00 13 06.4–1.1 38.27N 69.73E 0 3.6,3.5b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=46.3km s-min=22.7km az=166.0.
IDC Error ellipse: s-maj=20.6km s-min=12.0km az=153.0.
ISC I 31 05 52 41.7–1.5 37.8N–.10 72.0E–.10 113 3.8b 21 5-80
IDC I 31 05 52 43.3–4.9 37.79N 72.06E 135–29 3.9,3.6b ¶610235780
NNC I 31 05 52 44.5–1.1 38.14N 72.10E 0 3.9b,3.6
ISC Event type se.
IDC Error ellipse: s-maj=52.5km s-min=22.6km az=155.0.
NNC Event type se. Error ellipse: s-maj=8.4km s-min=6.7km az=176.0.
ISC II 01 23 41 18.4–.46 38.58N–.04 69.70E–.04 12 3.8b 84 0-86
IDC II 01 23 41 15.5–.88 38.37N 69.76E 0 3.8,3.7b ¶610244828
NNC II 01 23 41 19.4–3.5 38.57N 69.57E 4–16 4.3b,4.0
NEIC II 01 23 41 19.1–2.3 38.56N–.05 69.75E–.03 7–6 4.1b,4.0
ISC Event type se.
NNC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 02 18 35 49.5–1.3 39.84N–.03 68.24E–.03 15–8 4.3b 275 0-88
IDC II 02 18 35 46.9–.62 39.67N 68.15E 0 4.2,4.1b ¶610181756
BJI II 02 18 35 48.7–.00 39.84N 68.31E 13 4.9b,4.3b
MOS II 02 18 35 48.3–.95 39.81N 68.21E 14 4.4b,4.3b
SOME II 02 18 35 50.8 40.00N 68.32E 0 4.4b,4.3b
NEIC II 02 18 35 50.4–1.4 39.87N–.05 68.2E–.10 15–4 4.4b,4.3b
ISU II 02 18 35 54.3 39.80N 68.17E 19 4.4b,4.3b
NNC II 02 18 35 55.2–2.8 40.38N 68.08E 17–10 4.7b,4.5
ISC Event type se.
IDC Error ellipse: s-maj=12.2km s-min=8.5km az=171.0.
MOS Error ellipse: s-maj=6.0km s-min=4.2km az=57.0.
NEIC Event type se. Error ellipse: s-maj=11.9km s-min=7.9km az=94.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=21.7km s-min=11.2km az=3.0.
ISC II 02 19 27 38.6–1.1 40.83N–.03 71.04E–.03 17–9 39 1-4
KRNET II 02 19 27 39.0–.10 40.91N 70.96E 35 2.6b ¶612084526
ISU II 02 19 27 40.2 40.91N 71.23E 10 2.6b
SOME II 02 19 27 41.7 40.88N 70.98E 15 2.6b
NNC II 02 19 27 42.1–2.1 40.83N 71.27E 0 3.1b,2.9
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=21.3km s-min=8.0km az=47.0.
ISC II 03 04 36 10.2–.51 40.06N–.02 70.81E–.02 14–3 4.6b,3.7s 464 0-151
IDC II 03 04 36 08.1–.59 40.05N 70.86E 0 4.5,4.4b ¶611831717
SOME II 03 04 36 09.4 40.10N 70.92E 5 4.2s,4.4b
MOS II 03 04 36 09.3–1.0 40.06N 70.78E 15 4.8b,4.4b
ISU II 03 04 36 09.9 40.13N 70.80E 4 4.8b,4.4b
KRNET II 03 04 36 09.1–.10 39.98N 70.82E 19 5.2b,4.4b
NNC II 03 04 36 10.7–.98 40.18N 70.75E 0 5.1b,4.8
BJI II 03 04 36 10.1–.00 40.19N 70.85E 18 5.0b,4.5b
NEIC II 03 04 36 12.9–1.5 40.18N–.05 70.81E–.06 22–4 4.7b,4.5b
ISC Event type se.
NNC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 04 10 31 51.2–6.8 38.1N–.40 72.7E–.20 10 24 4-7
SOME II 04 10 32 01.4 38.48N 72.82E 10 ¶612084641
NNC II 04 10 32 07.9–2.4 38.58N 73.27E 0 3.8b,3.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=17.6km s-min=14.7km az=166.0.
ISC II 04 23 17 21.5–1.1 40.09N–.03 71.80E–.03 19–2 28 0-3
KRNET II 04 23 17 20.5–.10 40.14N 71.78E 21 2.5b ¶612084656
ISU II 04 23 17 21.2 40.18N 71.84E 25 2.5b
ISC Event type ke.
ISC II 06 12 11 19.5–1.2 39.08N–.07 71.20E–.04 10 25 1-6
KRNET II 06 12 11 19.1–.10 39.10N 71.24E 17 2.9b ¶612084757
SOME II 06 12 11 23.7 39.60N 70.82E 5 2.9b
NNC II 06 12 11 23.6–1.2 38.97N 71.58E 0 3.6b,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=17.5km s-min=7.4km az=75.0.
ISC II 08 10 16 11.8–.87 40.09N–.03 70.90E–.03 10–6 38 0-6
KRNET II 08 10 16 11.7–.10 40.05N 70.96E 16 2.9b ¶612084869
ISU II 08 10 16 12.3 40.10N 70.76E 7 2.9b
SOME II 08 10 16 12.6 40.22N 70.78E 15 2.9b
NNC II 08 10 16 16.6–1.9 40.35N 70.87E 0 3.9b,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=15.0km s-min=8.5km az=23.0.
ISC II 13 07 12 07.2–.97 39.07N–.05 71.75E–.04 10 53 0-15
SOME II 13 07 12 04.8 39.08N 71.82E 0 ¶612085190
KRNET II 13 07 12 06.4–.10 39.07N 71.77E 12 3.5b
NNC II 13 07 12 09.9–5.8 39.04N 71.80E 0 3.9b,3.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=44.6km s-min=25.3km az=0.0.
ISC II 13 07 46 59.4–2.7 39.3N–.20 71.69E–.09 10 19 3-13
SOME II 13 07 46 52.1 39.35N 71.25E 0 ¶612085193
NNC II 13 07 46 55.7–7.7 39.00N 71.68E 0 3.5b,3.1
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=56.8km s-min=40.7km az=0.0.
ISC II 14 05 58 55.8–.88 39.31N–.05 71.73E–.04 10 62 0-78
KRNET II 14 05 58 53.9–.10 39.24N 71.77E 14 3.3b ¶610208953
IDC II 14 05 58 54.6–6.9 38.93N 71.70E 0 3.4b,3.3
NNC II 14 05 59 01.2–3.5 39.39N 71.79E 0 3.6b,3.2

ISC Event type se.
IDC Error ellipse: s-maj=251.8km s-min=27.3km az=144.0.
NNC Event type se. Error ellipse: s-maj=27.2km s-min=16.9km az=9.0.
KRNET II 14 09 40 21.3–.10 40.88N 69.86E 14 2.2b
¶612114764
ISC II 14 14 46 08.9–.85 39.90N–.03 70.66E–.02 13–5 3.8b,3.3s 174 0-86
IDC II 14 14 46 06.3–1.2 39.86N 70.64E 0 3.6,3.6b **¶610209105**
MOS II 14 14 46 07.7–1.1 39.90N 70.59E 17 4.2b,3.6b
KRNET II 14 14 46 08.7–.10 39.92N 70.72E 20 4.1b,3.6b
ISU II 14 14 46 09.9 40.00N 70.68E 12 4.1b,3.6b
SOME II 14 14 46 09.2 39.97N 70.83E 10 4.1b,3.6b
NNC II 14 14 46 10.4–2.1 40.07N 70.72E 0 4.0b,3.7
ISC Event type se.
IDC Error ellipse: s-maj=20.2km s-min=13.0km az=160.0.
MOS Error ellipse: s-maj=9.1km s-min=5.4km az=62.4.
NNC Event type se. Error ellipse: s-maj=16.5km s-min=8.6km az=5.0.
ISC II 15 07 50 27.6–.35 38.16N–.03 72.87E–.03 123–3 4.5b 390 2-152
MOS II 15 07 50 26.3–.99 38.18N 72.88E 121 4.7b **¶610209211**
NEIC II 15 07 50 27.6–1.8 38.20N–.05 72.89E–.09 120–6 4.7b
BJI II 15 07 50 27.5–.00 38.20N 73.15E 113 4.7b,4.3b
NNC II 15 07 50 28.5–4.7 38.54N 72.96E 0 5.2b,4.7
IDC II 15 07 50 28.9–.57 38.08N 72.87E 134–4 4.5,4.0b
GCMT II 15 07 50 30.6–.40 38.13N–.03 72.55E–.03 120–4 4.9W,4.0b
SOME II 15 07 50 31.5 38.80N 72.95E 0 4.9W,4.0b
ISC Event type se.
MOS Error ellipse: s-maj=6.3km s-min=4.0km az=86.2.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=7.0km az=111.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=38.9km s-min=28.8km az=157.0.
IDC Error ellipse: s-maj=11.8km s-min=10.0km az=11.0.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s14,c15; s82,c95;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.10±.10 $M_{\theta\theta}$-0.94±.18; $M_{\phi\phi}$-0.16±.15; $M_{r\theta}$-1.29±.08; $M_{\theta\phi}$-1.98±.15; $M_{\phi r}$0.44±.07; Best double couple: NP1:ϕ_s267.00000°,δ71.00000°,λ140.00000°. NP2:ϕ_s13.00000°,δ52.00000°,λ24.00000°. Principal axes: T 2.5020,Plg41.0000° ,Azm223.0000°; N 0.2150,Plg46.0000°,Azm66.0000°; P -2.7130,Plg12.0000°,Azm324.0000° $M_0$2.60700×10^{16}
ISC II 15 16 43 44.9–.35 37.91N–.04 72.57E–.04 119 4.1b 226 2-151
SOME II 15 16 43 43.9 38.97N 72.75E 5 4.1b **¶610216336**
BJI II 15 16 43 44.3–.00 38.03N 72.52E 120 4.5b,4.1b
MOS II 15 16 43 44.7–.88 37.95N 72.57E 126 4.0b,4.1b
IDC II 15 16 43 45.1–2.6 37.89N 72.56E 122–23 4.0,3.5b
NEIC II 15 16 43 46.3–1.5 38.04N–.05 72.43E–.08 127–5 4.3b,3.5b
NNC II 15 16 43 48.1–5.4 38.40N 72.58E 0 4.4b,3.9
ISC Event type se.
MOS Error ellipse: s-maj=8.2km s-min=5.5km az=90.3.
IDC Error ellipse: s-maj=16.4km s-min=11.3km az=10.0.
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=8.0km az=88.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=46.6km s-min=29.4km az=153.0.
ISC II 21 05 49 25.2–2.0 37.3N–.20 72.2E–.10 150 11 5-80
IDC II 21 05 49 29.4–25 37.41N 72.30E 200–153 3.9,3.4b **¶610384728**
NNC II 21 05 49 31.4–8.0 37.90N 72.23E 0 3.4b,3.0
ISC Event type se.
IDC Error ellipse: s-maj=234.3km s-min=72.9km az=9.0.
NNC Event type se. Error ellipse: s-maj=63.9km s-min=48.0km az=158.0.
ISC II 21 10 24 48.3–.61 39.09N–.03 70.02E–.02 12–4 4.7b,3.7s 479 0-168
IDC II 21 10 24 45.8–.50 38.90N 70.08E 0 4.5,4.4b **¶610239067**
BJI II 21 10 24 46.3–.00 38.95N 69.90E 11 4.9b,4.6L
MOS II 21 10 24 46.7–1.1 39.00N 70.10E 12 4.9b,4.6L
NNC II 21 10 24 47.5–2.4 39.07N 69.83E 0 4.8,4.8b
SOME II 21 10 24 47.4 39.27N 70.27E 5 4.8,4.8b
NEIC II 21 10 24 48.6–1.3 39.04N–.05 70.09E–.08 10–1 4.7b,4.8b
ISC Event type se.
NNC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 21 10 57 31.0–5.3 39.5N–.30 69.9E–.20 10 8 3-6
SOME II 21 10 57 16.3 39.22N 70.50E 0 **¶612085751**
NNC II 21 10 57 30.4–5.9 39.42N 69.88E 0 3.0b,2.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=62.5km s-min=37.3km az=156.0.
ISC II 27 21 39 14.4–1.7 37.8N–.10 72.3E–.10 200 3.5b 12 4-67
NNC II 27 21 39 17.1–6.8 38.09N 72.39E 0 3.2b,2.8 **¶610385156**
IDC II 27 21 39 24.9–14 37.38N 73.16E 370–209 3.7,3.1b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=52.5km s-min=40.8km az=159.0.
IDC Error ellipse: s-maj=137.6km s-min=55.1km az=91.0.
ISC II 28 13 42 18.2–.20 37.67N–.02 72.09E–.02 127–1 5.3b 1526 2-152
BGR II 28 13 42 14.3 37.26N 73.21E 138–1 5.9,5.5b **¶611831916**
SOME II 28 13 42 16.0 38.70N 72.60E 5 5.9,5.5b
MOS II 28 13 42 16.8–1.0 37.66N 72.22E 126 5.4b,4.3s
BJI II 28 13 42 18.9–.00 37.66N 72.25E 159 5.0b,4.9b
IDC II 28 13 42 18.0–1.4 37.65N 72.24E 126–12 5.2,4.7b
NEIC II 28 13 42 18.8–1.5 37.69N–.05 72.10E–.07 127–3 5.3b,5.2
GCMT II 28 13 42 19.8–.10 37.62N–.01 71.94E–.01 142–0 5.4W,5.2
NNC II 28 13 42 24.2–2.3 38.22N 72.05E 193–19 5.6,4.7b
ISC Event type se. Moment Tensor Solution. NP1:ϕ_s59.22743°,δ73.86184°,λ-104.58196°. NP2: ϕ_s282.33173°,δ21.61936°,λ-48.97400°. Principal axes: T Plg27.4400°,Azm160.7990° ; N Plg13.9954°,Azm63.3632°; P Plg58.6392°,Azm309.2241°
ISC Event type ke. Hypocentre not reviewed by the ISC.
MOS Error ellipse: s-maj=3.9km s-min=2.9km az=101.4.
IDC Error ellipse: s-maj=9.6km s-min=7.0km az=9.0.
NEIC Event type se. Error ellipse: s-maj=8.1km s-min=7.3km az=134.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-0.08 $M_{\theta\theta}$0.53 $M_{\phi\phi}$-0.45 $M_{r\theta}$-7.90 $M_{\theta\phi}$-1.86 $M_{\phi r}$-4.73 NP1:ϕ_s240.75000°,δ88.20000°,λ98.52000°. NP2:ϕ_s342.58000°,δ8.71000° ,λ11.97000°. Principal axes: T 8.6179,Plg46.0000°,Azm159.0000°; N 1.4144,Plg9.0000° ,Azm60.0000°; P -10.0322,Plg43.0000°,Azm323.0000° $M_0$9.41000×10^{16}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s103,c156; s148,c277;Duration: 1$\S$2 Moment tensor: Scale 10^{17}Nm; M_{rr}0.21±.02 $M_{\theta\theta}$0.12±.03; $M_{\phi\phi}$-0.33±.02; $M_{r\theta}$-1.40±.02; $M_{\theta\phi}$-0.47±.02; $M_{\phi r}$-0.48±.01; Best double couple: NP1:ϕ_s250.00000°,δ86.00000°,λ109.00000°. NP2:ϕ_s352.00000°,δ19.00000°,λ13.00000°. Principal axes: T 1.5670,Plg46.0000° ,Azm179.0000°; N 0.0220,Plg19.0000°,Azm69.0000°; P -1.5900,Plg38.0000°,Azm323.0000° $M_0$1.57900×10^{17}
NNC Event type se. Error ellipse: s-maj=22.1km s-min=12.3km az=26.0.
ISC III 03 23 43 19.2–1.3 40.92N–.03 71.14E–.03 4–11 28 0-4
KRNET III 03 23 43 17.5–.10 40.87N 71.16E 12 2.3b **¶612086549**
ISU III 03 23 43 18.4 40.82N 71.11E 25 2.3b
NNC III 03 23 43 21.0–4.9 40.92N 71.48E 0 2.6b,2.2
SOME III 03 23 43 22.0 41.05N 71.27E 5 2.6b,2.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=41.3km s-min=17.0km az=7.0.
ISC III 05 11 21 34.8–3.8 39.5N–.20 71.57E–.08 10 10 3-6
NNC III 05 11 21 32.6–3.9 39.38N 71.55E 0 3.7b,3.3 **¶612086635**
SOME III 05 11 21 36.6 39.62N 71.58E 10 3.7b,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=30.1km s-min=17.8km az=177.0.
ISC III 05 20 57 00.7–5.6 40.0N–.40 71.93E–.09 19 6 3-4
SOME III 05 20 56 43.8 39.17N 71.83E 0 **¶612086654**
NNC III 05 20 56 52.0–10 39.58N 72.00E 0 3.0b,2.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=83.9km s-min=56.3km az=174.0.
ISC III 07 04 09 55.6–1.5 38.1N–.10 72.2E–.10 10 3.5b 19 4-80
IDC III 07 04 09 50.4–2.3 37.68N 73.00E 0 3.7b,3.6 **¶610545696**
NNC III 07 04 09 53.7–2.2 38.03N 72.25E 0 3.8b,3.4
ISC Event type se.
IDC Error ellipse: s-maj=45.8km s-min=23.7km az=136.0.
NNC Event type se. Error ellipse: s-maj=16.3km s-min=14.2km az=5.0.
ISC III 07 06 23 53.4–1.1 40.97N–.02 71.31E–.04 15–10 40 1-5
ISU III 07 06 23 50.7 40.47N 72.31E 22 **¶612086721**
KRNET III 07 06 23 51.3–.10 40.90N 71.68E 15 2.7b
SOME III 07 06 23 57.4 41.13N 71.25E 5 2.7b
NNC III 07 06 23 58.8–2.2 41.02N 71.35E 0 3.1b,2.7
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=17.1km s-min=7.3km az=11.0.
ISC III 07 08 04 22.8–1.0 40.89N–.02 71.24E–.02 13–9 84 0-6
KRNET III 07 08 04 23.3–.10 40.89N 71.11E 28 3.3b **¶610247315**
SOME III 07 08 04 25.7 41.05N 71.23E 0 3.3b
ISU III 07 08 04 27.2 40.87N 71.14E 30 3.3b
NNC III 07 08 04 28.6–1.2 41.10N 71.27E 0 3.5b,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=10.7km s-min=5.5km az=4.0.
ISC III 09 18 25 21.2–1.1 39.40N–.03 69.09E–.02 17–8 83 1-64
SOME III 09 18 25 16.1 39.20N 69.27E 10 **¶610545889**
IDC III 09 18 25 18.3–1.8 39.18N 69.20E 0 3.6b,3.4
KRNET III 09 18 25 20.6–.10 39.41N 69.08E 30 3.5b,3.4
NNC III 09 18 25 20.5–2.5 39.45N 69.09E 5–9 4.0b,3.6
ISU III 09 18 25 24.4 39.57N 69.51E 19 4.0b,3.6
ISC Event type se.
IDC Error ellipse: s-maj=24.7km s-min=13.5km az=165.0.
NNC Event type se. Error ellipse: s-maj=17.9km s-min=10.9km az=4.0.
ISC III 13 06 25 38.1–.76 40.89N–.02 71.11E–.02 10 57 0-5
KRNET III 13 06 25 37.1–.10 40.88N 71.10E 15 2.9b **¶612087123**
ISU III 13 06 25 38.5 40.86N 71.21E 13 2.9b
SOME III 13 06 25 40.1 41.12N 71.27E 0 2.9b
NNC III 13 06 25 42.2–4.7 41.12N 71.35E 0 3.5b,3.1
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=40.6km s-min=14.0km az=6.0.
ISC III 15 10 09 50.2–1.4 39.17N–.07 71.13E–.05 6–14 16 1-4
KRNET III 15 10 09 49.3–.10 39.10N 71.20E 12 2.5b **¶612087267**
ISC Event type ke.
ISC III 22 11 27 02.5–.39 37.55N–.03 72.03E–.02 11–2 4.9b,4.2s 894 2-136
NNC III 22 11 26 58.1–9.2 37.34N 71.64E 0 5.6b,5.3 **¶611832109**
IDC III 22 11 27 01.0–.37 37.65N 72.18E 0 4.7,4.7b
MOS III 22 11 27 00.1–1.1 37.39N 72.02E 13 5.0b,4.4s
NEIC III 22 11 27 01.9–1.1 37.50N–.07 71.95E–.05 10–3 5.1b,4.9
NEIC III 22 11 27 02.8 37.68N 71.94E 10 5.1b,4.9
GCMT III 22 11 27 03.9–.20 37.66N–.01 72.01E–.02 30–1 5.1W,4.9
ISC Event type se.
NNC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-0.01 $M_{\theta\theta}$-2.55 $M_{\phi\phi}$2.56 $M_{r\theta}$0.86 $M_{\theta\phi}$0.35 $M_{\phi r}$0.64 NP1:ϕ_s319.23000°,δ67.57000°,λ-178.65000°. NP2:ϕ_s228.71000°,δ88.75000° ,λ-22.43000°. Principal axes: T 2.7627,Plg15.0000°,Azm276.0000°; N 0.0523,Plg68.0000° ,Azm46.0000°; P -2.8149,Plg17.0000°,Azm182.0000° $M_0$2.79000×10^{16}
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s31,c36; s116,c175;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.61±.24 $M_{\theta\theta}$-4.23±.17; $M_{\phi\phi}$4.84±.17; $M_{r\theta}$-0.56±.26; $M_{\theta\phi}$2.53±.13; $M_{\phi r}$-1.43±.24; Best double couple: NP1:ϕ_s240.00000°,δ82.00000°,λ11.00000°. NP2:ϕ_s149.00000°,δ79.00000°,λ172.00000°. Principal axes: T 5.8570,Plg13.0000° ,Azm105.0000°; N -0.9630,Plg76.0000°,Azm274.0000°; P -4.8960,Plg3.0000°,Azm14.0000° $M_0$5.37700×10^{16}
ISC III 22 18 57 15.9–.49 38.46N–.05 72.62E–.04 100 4.2b 159 1-82
BJI III 22 18 57 14.6–.00 38.70N 72.62E 86 4.7b,4.1b **¶610424472**
MOS III 22 18 57 15.7–.89 38.49N 72.69E 108 4.1b,4.1b
IDC III 22 18 57 15.1–4.0 38.35N 72.77E 95–30 3.9,3.5b
NEIC III 22 18 57 16.6–2.0 38.54N–.06 72.63E–.09 92–9 4.3b,3.5b
SOME III 22 18 57 20.7 39.43N 72.62E 15 4.3b,3.5b
NNC III 22 18 57 24.5–4.5 39.53N 72.83E 0 4.2b,4.0
ISC Event type se.
MOS Error ellipse: s-maj=10.2km s-min=5.5km az=80.4.
IDC Error ellipse: s-maj=29.5km s-min=18.6km az=11.0.
NEIC Event type se. Error ellipse: s-maj=10.8km s-min=8.2km az=86.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=41.0km s-min=26.4km az=17.0.
ISC III 26 04 17 26.6–.88 37.23N–.08 72.02E–.08 100 4.0b 36 2-67
IDC III 26 04 17 13.1–4.4 36.62N 71.87E 0 3.8b,3.7 **¶610472960**
NEIC III 26 04 17 27.6–1.4 37.24N–.06 72.14E–.09 98–7 4.2b,3.7
NNC III 26 04 17 31.6–9.4 38.62N 72.49E 0 3.7b,3.4
ISC Event type se.
IDC Error ellipse: s-maj=105.6km s-min=30.8km az=142.0.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=7.9km az=126.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=72.9km s-min=35.7km az=0.0.
ISC III 26 22 24 59.6–1.4 39.76N–.03 69.79E–.04 8–11 28 1-3
KRNET III 26 22 24 59.1–.10 39.83N 69.76E 17 2.6b **¶612088041**
ISU III 26 22 25 01.4 39.93N 69.70E 2 2.6b
ISC Event type ke.
NNC III 29 01 33 18.0–7.1 37.72N 72.28E 0 3.6b,3.2
¶612088208
NNC Event type se. Error ellipse: s-maj=49.0km s-min=35.4km az=6.0.
ISC III 29 02 23 59.5–2.0 38.0N–.10 72.21E–.10 10 3.5b 16 4-80
IDC III 29 02 23 50.8–2.5 37.21N 72.58E 0 3.5s,3.5b **¶610543888**
NNC III 29 02 24 01.2–5.1 38.09N 72.34E 0 3.7b,3.3
ISC Event type se.
IDC Error ellipse: s-maj=45.3km s-min=23.1km az=132.0.
NNC Event type se. Error ellipse: s-maj=39.6km s-min=31.9km az=145.0.
ISC III 29 13 30 00.8–1.3 39.62N–.03 70.23E–.03 3–11 31 1-5
KRNET III 29 13 30 00.6–.10 39.70N 70.17E 19 2.9b **¶612088250**
ISU III 29 13 30 00.8 39.64N 70.29E 28 2.9b
SOME III 29 13 30 03.8 39.95N 70.13E 5 2.9b
NNC III 29 13 30 08.5–8.6 40.04N 70.11E 0 2.7b,2.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=61.7km s-min=39.2km az=25.0.
ISC III 29 14 16 12.8–1.1 40.04N–.03 71.22E–.03 10–8 39 0-5
SOME III 29 14 16 11.6 40.12N 71.37E 5 **¶612088252**
KRNET III 29 14 16 12.7–.10 40.11N 71.09E 30 2.5b
NNC III 29 14 16 14.6–14 39.82N 71.80E 0 3.0b,2.6
ISU III 29 14 16 15.2 40.05N 71.29E 15 3.0b,2.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=118.2km s-min=68.8km az=179.0.
ISC III 31 19 56 52.0–1.9 38.3N–.10 72.84E–.09 100 30 4-18
IDC III 31 19 56 52.9–5.5 38.34N 72.83E 127–51 3.5 **¶610473021**
SOME III 31 19 56 52.2 39.37N 73.20E 5 3.5
NNC III 31 19 56 56.0–2.9 38.79N 72.77E 0 3.4b,2.9
ISC Event type se.
IDC Error ellipse: s-maj=65.0km s-min=26.5km az=145.0.
NNC Event type se. Error ellipse: s-maj=22.2km s-min=16.4km az=166.0.
KRNET IV 01 21 54 55.7–.10 40.91N 71.14E 19 2.2b
ISU IV 01 21 54 50.2 40.70N 70.85E 15 2.2b **¶612115270**
ISC IV 05 11 16 39.4–1.5 39.31N–.07 71.73E–.07 9–9 16 0-4
KRNET IV 05 11 16 37.5–.10 39.26N 71.88E 18 2.6b **¶612037128**
ISC Event type ke.
ISC IV 05 11 59 41.7–.58 37.43N–.05 72.29E–.09 200 3.5b 40 4-80
IDC IV 05 11 59 40.5–4.2 37.27N 72.21E 189–29 4.0s,3.9 **¶610639835**
ISC Event type ke.
IDC Error ellipse: s-maj=42.2km s-min=19.3km az=165.0.
ISC IV 08 08 14 10.2–1.5 40.94N–.04 71.23E–.05 4–14 16 1-2
KRNET IV 08 08 14 04.3–.10 41.24N 70.19E 14 2.2b **¶612037275**
SOME IV 08 08 14 08.1 40.87N 71.25E 0 2.2b
NNC IV 08 08 14 12.1–2.4 40.97N 71.18E 0 3.0b,2.7
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=21.6km s-min=9.4km az=11.0.

ISC IV 10 06 57 35.2–.34 37.74N–.03 72.20E–.03 115–3 4.6b 688 2-152
BGR IV 10 06 57 31.1 37.30N 72.74E 110 4.6b **¶611832275**
MOS IV 10 06 57 34.3–.94 37.74N 72.22E 117 4.8b
BJI IV 10 06 57 34.3–.00 37.68N 72.23E 108 4.7b,4.4b
IDC IV 10 06 57 36.7–.59 37.69N 72.22E 128–5 4.6,4.2b
NEIC IV 10 06 57 37.0–2.0 37.75N–.05 72.12E–.08 122–4 4.6b,4.2b
NNC IV 10 06 57 44.3–4.6 38.48N 72.44E 208–49 4.5,3.7b
ISC Event type ke.
BGR Event type ke.
MOS Error ellipse: s-maj=4.5km s-min=3.0km az=102.1.
IDC Error ellipse: s-maj=11.8km s-min=8.6km az=15.0.
NEIC Event type se. Error ellipse: s-maj=8.6km s-min=7.6km az=90.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=51.3km s-min=27.2km az=177.0.
KRNET IV 10 13 44 17.9–.10 39.19N 71.27E 13 2.5b
ISU IV 10 13 44 18.4 39.66N 72.62E 30 2.5b **¶612037387**
ISC IV 11 13 01 25.4–.82 39.28N–.05 71.91E–.04 10 3.6b 53 1-83
IDC IV 11 13 01 23.0–1.5 38.95N 71.96E 0 3.5,3.5b **¶610527155**
KRNET IV 11 13 01 24.4–.10 39.37N 71.95E 13 3.7b,3.5b
NNC IV 11 13 01 26.8–6.8 39.34N 71.34E 0 3.7b,3.3
ISC Event type se.
IDC Error ellipse: s-maj=49.2km s-min=26.9km az=136.0.
NNC Event type se. Error ellipse: s-maj=63.3km s-min=35.3km az=176.0.
NNC IV 13 15 20 45.8–3.8 38.50N 72.43E 0 4.2b,4.0
¶612037545
NNC Event type se. Error ellipse: s-maj=27.4km s-min=17.6km az=176.0.
SOME IV 13 15 26 58.8 40.05N 69.02E 0
ISU IV 13 15 26 56.2 40.03N 68.73E 5 **¶612670538**
NNC IV 13 15 26 59.2–.98 43.57N 67.57E 0 3.2b,2.9
NNC Error ellipse: s-maj=10.1km s-min=6.6km az=43.0.
ISC IV 14 06 27 40.0–1.2 40.04N–.03 69.67E–.03 18–5 25 1-4
KRNET IV 14 06 27 39.3–.10 40.04N 69.63E 19 2.9b **¶612037566**
ISU IV 14 06 27 39.5 40.22N 69.77E 2 2.9b
ISC Event type ke.
ISC IV 14 06 30 38.1–1.1 39.88N–.03 69.74E–.02 12–9 56 1-12
SOME IV 14 06 30 36.8 39.92N 69.75E 15 **¶610527995**
KRNET IV 14 06 30 37.8–.10 39.94N 69.74E 17 3.4b
NNC IV 14 06 30 39.7–2.1 40.07N 69.74E 0 3.3b,3.0
ISU IV 14 06 30 40.5 39.99N 69.72E 23 3.3b,3.0
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=16.1km s-min=12.1km az=25.0.
ISC IV 14 09 07 43.6–1.1 40.89N–.04 69.76E–.05 16–13 16 1-3
KRNET IV 14 09 07 43.7–.10 40.87N 69.76E 14 2.6b **¶612037576**
ISC Event type ke.
ISC IV 15 08 20 48.9–1.5 37.9N–.10 72.1E–.10 200 3.3b 27 4-80
NNC IV 15 08 20 47.3–7.1 37.78N 71.93E 168–95 3.7,2.8b **¶610598369**
IDC IV 15 08 20 49.7–6.3 37.91N 72.13E 209–39 3.7,3.1b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=65.6km s-min=41.9km az=17.0.
IDC Error ellipse: s-maj=66.5km s-min=32.2km az=168.0.
ISC IV 15 18 25 51.2–1.1 38.53N–.03 68.06E–.02 5–7 3.8b,3.5s 186 1-79
IDC IV 15 18 25 51.4–1.4 38.41N 68.12E 0 3.9,3.8b **¶610528533**
NEIC IV 15 18 25 51.3–2.6 38.51N–.04 68.01E–.04 10–2 4.2b,3.8b
BJI IV 15 18 25 52.5–.00 38.44N 68.41E 5 4.5b,4.0L
MOS IV 15 18 25 53.2–1.8 38.53N 68.04E 36 4.4b,4.0L
ISU IV 15 18 25 55.4 38.56N 68.03E 13 4.4b,4.0L
NNC IV 15 18 25 56.0–1.6 38.85N 67.73E 25–9 4.5b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=24.8km s-min=10.8km az=156.0.
NEIC Event type se. Error ellipse: s-maj=8.0km s-min=4.2km az=337.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=7.4km s-min=4.8km az=68.7.
NNC Event type se. Error ellipse: s-maj=13.8km s-min=7.1km az=161.0.
ISC IV 17 04 41 28.3–.34 37.71N–.04 72.32E–.04 100 4.3b 288 2-83
MOS IV 17 04 41 28.9–.90 37.70N 72.28E 121 4.2b **¶610529019**
IDC IV 17 04 41 29.6–2.6 37.65N 72.38E 118–22 4.2,3.8b
NEIC IV 17 04 41 30.6–1.4 37.75N–.06 72.24E–.08 119–5 4.4b,3.8b
NNC IV 17 04 41 30.1–3.3 37.86N 72.02E 119–56 4.8,4.3b
BJI IV 17 04 41 30.0–.00 37.87N 72.24E 124 4.7b,4.6b
ISC Event type se.
MOS Error ellipse: s-maj=6.8km s-min=3.7km az=77.3.
IDC Error ellipse: s-maj=17.7km s-min=10.9km az=169.0.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=8.0km az=126.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=31.6km s-min=17.0km az=164.0.
ISC IV 18 19 56 24.0–.37 39.38N–.03 71.77E–.02 10 4.3b 277 0-85
KRNET IV 18 19 56 19.6–.10 39.45N 71.89E 17 4.2b **¶610532692**
SOME IV 18 19 56 20.8 39.37N 71.77E 15 4.2b
MOS IV 18 19 56 21.9–1.5 39.34N 71.81E 10 4.4b
IDC IV 18 19 56 21.6–.76 39.18N 71.96E 0 4.0,4.0b
NEIC IV 18 19 56 23.2–1.6 39.27N–.04 71.79E–.05 10–1 4.4b,4.0b
NNC IV 18 19 56 26.4–1.7 39.54N 71.89E 0 4.3b,4.0
BJI IV 18 19 56 26.9–.00 39.42N 71.87E 45 4.5b,4.3b
ISC Event type se.
MOS Error ellipse: s-maj=6.6km s-min=3.6km az=73.8.
IDC Error ellipse: s-maj=14.6km s-min=11.5km az=154.0.
NEIC Event type se. Error ellipse: s-maj=6.8km s-min=6.3km az=123.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=13.2km s-min=7.5km az=11.0.
ISC IV 20 19 16 26.9–.95 40.29N–.03 71.35E–.03 24–8 34 0-5
NNC IV 20 19 16 25.4–6.5 40.18N 71.57E 0 2.7,2.7b **¶612037884**
KRNET IV 20 19 16 25.5–.10 40.28N 71.48E 14 1.9b,2.7b
ISU IV 20 19 16 26.1 40.39N 71.30E 21 1.9b,2.7b
SOME IV 20 19 16 28.0 40.53N 71.23E 10 1.9b,2.7b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=49.1km s-min=24.5km az=4.0.
NNC IV 20 22 58 24.8–17 37.69N 72.44E 0 4.1b,3.7
¶612037889
NNC Event type se. Error ellipse: s-maj=135.7km s-min=113.7km az=157.0.
ISC IV 24 03 20 08.3–1.2 37.63N–.10 72.3E–.10 200 21 5-17
NNC IV 24 03 20 09.5–5.1 37.92N 71.89E 0 3.6b,3.2 **¶610639127**
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=39.2km s-min=36.6km az=7.0.
ISC IV 24 12 50 38.8–1.9 40.51N–.03 69.70E–.06 1–15 16 1-5
NNC IV 24 12 50 39.2–4.5 40.60N 69.63E 0 2.5b,2.1 **¶612038049**
KRNET IV 24 12 50 40.4–.10 40.45N 69.77E 18 2.7b,2.1
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=35.9km s-min=19.1km az=23.0.
ISC IV 25 11 03 15.0–1.2 39.97N–.04 71.14E–.04 8–11 12 0-3
KRNET IV 25 11 03 14.1–.10 40.01N 71.19E 7 2.6b **¶612038095**
ISC Event type ke.
ISC IV 30 19 55 08.5–1.1 39.95N–.03 71.11E–.02 9–8 57 0-5
NNC IV 30 19 55 07.6–4.9 39.99N 71.27E 0 3.6b,3.3 **¶612038329**
SOME IV 30 19 55 08.7 40.02N 71.20E 10 3.6b,3.3
KRNET IV 30 19 55 08.0–.10 39.98N 71.01E 35 3.0b,3.3
ISU IV 30 19 55 09.9 40.01N 71.10E 15 3.0b,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=36.2km s-min=17.5km az=4.0.
ISC V 01 06 21 19.5–1.4 38.8N–.10 72.87E–.09 10 3.6b 17 3-79
IDC V 01 06 21 12.7–3.2 37.85N 73.30E 0 3.7,3.6b **¶610689283**
NNC V 01 06 21 35.0–7.5 39.10N 73.00E 0 3.2b,2.8
ISC Event type se.
IDC Error ellipse: s-maj=79.1km s-min=39.1km az=141.0.
NNC Event type se. Error ellipse: s-maj=60.7km s-min=41.0km az=172.0.
ISC V 02 13 25 10.9–1.1 39.52N–.05 71.80E–.04 7–8 46 0-5
KRNET V 02 13 25 07.4–.10 39.44N 71.96E 6 3.5b **¶610592321**
SOME V 02 13 25 10.1 39.68N 71.67E 10 3.5b
NNC V 02 13 25 11.8–5.1 39.29N 71.73E 0 3.7b,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=38.6km s-min=24.7km az=4.0.
ISC V 03 04 46 55.3–.88 39.49N–.03 71.34E–.03 13–5 4.7b 411 1-151
IDC V 03 04 46 52.5–.48 39.38N 71.50E 0 5.7s,4.5 **¶616918746**
KRNET V 03 04 46 53.2–.10 39.46N 71.46E 21 4.9b,4.5
MOS V 03 04 46 53.4–.99 39.46N 71.30E 10 4.9b,4.5
NEIC V 03 04 46 55.7–1.0 39.52N–.04 71.34E–.05 10–1 4.8b,4.5
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 03 04 47 13.2–.41 39.42N–.02 71.48E–.02 17–2 6.0s,5.8b 2001 1-153
SOME V 03 04 47 09.2 39.45N 71.58E 5 6.4s,5.8b **¶610593224**
IDC V 03 04 47 10.2–.29 39.40N 71.57E 0 6.0s,5.5
NNC V 03 04 47 12.8–1.1 39.61N 71.38E 0 6.7b,6.6
NEIC V 03 04 47 13.3 39.51N 71.40E 10 6.7b,6.6
NEIC V 03 04 47 13.3 39.51N 71.40E 24 6.7b,6.6
NEIC V 03 04 47 13.3 39.51N 71.27E 24 6.7b,6.6
NEIC V 03 04 47 13.4–1.5 39.49N–.04 71.44E–.05 11–1 6.0,6.0
ISU V 03 04 47 14.6 39.58N 71.46E 30 6.0,6.0
BJI V 03 04 47 15.8–.00 39.42N 71.58E 40 6.3L,6.3s
GCMT V 03 04 47 15.4–.10 39.50N 71.42E 24–0 6.0W,6.3s
ISC Event type se.
IDC Error ellipse: s-maj=8.3km s-min=6.4km az=153.0.
NNC Event type se. Error ellipse: s-maj=10.5km s-min=6.1km az=174.0.
NEIC Event type se.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 4s7 Moment tensor: Scale 10^{18}Nm;
M_{rr}0.44 $M_{\theta\theta}$0.41 $M_{\phi\phi}$-0.85 $M_{r\theta}$-0.38 $M_{\theta\phi}$-0.71 $M_{\phi r}$0.23 NP1:ϕ_s345.41000°,δ66.94000°
,λ28.66000°. NP2:ϕ_s243.33000°,δ63.81000°,λ154.13000°. Principal axes:
T 1.0484,Plg36.0000°,Azm205.0000°; N 0.1231,Plg54.0000°,Azm21.0000°
; P -1.1715,Plg2.0000°,Azm114.0000° $M_0$1.11000×10^{18}
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=6.3km az=45.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment
Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}1.96 $M_{\theta\theta}$2.36 $M_{\phi\phi}$-4.32 $M_{r\theta}$-2.74
$M_{\theta\phi}$-3.83 $M_{\phi r}$1.12 NP1:ϕ_s345.16000°,δ65.31000°,λ25.70000°. NP2:ϕ_s243.80000°,δ66.79000°
,λ152.97000°. Principal axes: T 6.1809,Plg35.0000°,Azm204.0000°; N -0.1137,Plg55.0000°
,Azm26.0000°; P -6.0672,Plg1.0000°,Azm295.0000° $M_0$6.12000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s.
Triangular moment-rate function. Moment Tensor Solution. s151,c322; s171,c553;
Duration: 2s4 Moment tensor: Scale 10^{18}Nm; M_{rr}0.38±.01 $M_{\theta\theta}$0.57±.01; $M_{\phi\phi}$-0.94±.01;
$M_{r\theta}$-0.72±.02; $M_{\theta\phi}$-0.68±.01; $M_{\phi r}$0.15±.02; Best double couple: NP1:ϕ_s240.00000°,δ69.00000°
,λ149.00000°. NP2:ϕ_s342.00000°,δ61.00000°,λ24.00000°. Principal axes:
T 1.3650,Plg36.0000°,Azm199.0000°; N -0.1490,Plg53.0000°,Azm30.0000°
; P -1.2170,Plg5.0000°,Azm293.0000° $M_0$1.29100×10^{18}
KRNET V 03 04 53 09.2–.10 39.47N 71.37E 22 4.7b
¶612115578
ISC V 03 05 04 05.7–1.6 39.52N–.04 71.53E–.04 1–12 35 1-4
KRNET V 03 05 04 06.0–.10 39.49N 71.50E 18 3.8b **¶612115583**
ISU V 03 05 04 15.1 39.64N 71.78E 30 3.8b
ISC Event type ke.
ISC V 03 05 06 30.2–1.2 39.52N–.03 71.49E–.03 16–8 4.6b 207 1-86
IDC V 03 05 06 27.1–.70 39.37N 71.55E 0 4.4,4.4b **¶610689433**
MOS V 03 05 06 28.7–1.2 39.45N 71.39E 13 4.9b,4.4b
SOME V 03 05 06 29.8 39.77N 71.60E 15 4.9b,4.4b
KRNET V 03 05 06 29.2–.10 39.50N 71.49E 26 4.3b,4.4b
NEIC V 03 05 06 30.2–2.5 39.52N–.05 71.48E–.06 10–1 4.7b,4.4b
NNC V 03 05 06 33.3–1.7 39.92N 71.92E 0 4.6b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=13.5km s-min=9.0km az=154.0.
MOS Error ellipse: s-maj=7.5km s-min=5.2km az=82.6.
NEIC Event type se. Error ellipse: s-maj=8.6km s-min=7.4km az=168.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=13.8km s-min=7.1km az=1.0.
ISC V 03 05 28 43.9–1.5 39.46N–.04 71.39E–.03 2–10 3.5b 68 1-83
SOME V 03 05 28 41.1 39.43N 71.55E 5 3.5b **¶612115590**
IDC V 03 05 28 42.8–1.4 39.27N 71.94E 0 3.5b,3.4
KRNET V 03 05 28 43.9–.10 39.47N 71.38E 14 3.6b,3.4
NNC V 03 05 28 44.5–1.1 39.56N 71.53E 0 4.0b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=42.9km s-min=17.0km az=126.0.
NNC Event type se. Error ellipse: s-maj=8.8km s-min=5.0km az=0.0.
ISC V 03 05 36 31.4–.53 39.58N–.02 71.50E–.02 15–3 4.7b 513 1-151
BJI V 03 05 36 28.5–.00 39.58N 71.31E 11 4.8b,4.6b **¶610593227**
IDC V 03 05 36 28.2–.59 39.45N 71.55E 0 4.6,4.5b
MOS V 03 05 36 29.8–1.0 39.53N 71.40E 14 4.9b,4.5b
KRNET V 03 05 36 29.4–.10 39.47N 71.49E 19 4.6b,4.5b
ISU V 03 05 36 29.1 39.58N 71.39E 4 4.6b,4.5b
SOME V 03 05 36 29.8 39.55N 71.38E 5 4.3s,4.5b
NNC V 03 05 36 32.5–1.3 39.64N 71.32E 14–5 4.9b,4.7
NEIC V 03 05 36 32.8–2.8 39.54N–.04 71.40E–.07 22–3 4.8b,4.7
ISC Event type se.
NNC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 03 05 43 40.0–.67 39.51N–.03 71.61E–.02 10 4.0b 100 1-83
IDC V 03 05 43 38.0–1.4 39.38N 71.82E 0 4.0,3.9b **¶610689443**
KRNET V 03 05 43 39.6–.10 39.52N 71.56E 15 3.9b,3.9b
SOME V 03 05 43 42.3 39.67N 71.58E 20 3.9b,3.9b
NNC V 03 05 43 44.0–1.5 39.74N 71.57E 0 4.3b,4.0
ISU V 03 05 43 48.2 39.62N 71.53E 10 4.3b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=27.6km s-min=17.6km az=137.0.
NNC Event type se. Error ellipse: s-maj=11.3km s-min=6.4km az=14.0.
ISC V 03 05 58 52.7–1.7 39.73N–.06 71.53E–.04 2–12 33 1-13
KRNET V 03 05 58 49.4–.10 39.51N 71.52E 14 3.0b **¶612038407**
ISU V 03 05 58 50.2 39.53N 71.71E 16 3.0b
NNC V 03 05 58 55.1–2.7 39.77N 71.78E 0 3.3b,3.1
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=21.4km s-min=14.5km az=10.0.
ISC V 03 06 15 36.8–1.2 39.51N–.04 71.65E–.02 2–10 51 0-5
ISU V 03 06 15 37.3 39.56N 71.80E 13 **¶612038408**
KRNET V 03 06 15 37.3–.10 39.53N 71.60E 16 3.1b
NNC V 03 06 15 44.7–2.5 39.89N 71.77E 3–8 2.9b,2.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=20.5km s-min=10.1km az=172.0.
ISC V 03 06 16 18.8–1.6 39.62N–.06 71.64E–.04 1–11 27 1-6
KRNET V 03 06 16 16.9–.10 39.54N 71.68E 15 3.5b **¶612115441**
SOME V 03 06 16 34.8 40.13N 71.67E 10 3.5b
ISC Event type ke.
ISC V 03 08 47 08.3–.75 39.45N–.04 71.49E–.03 10 4.1s,3.7b 46 1-92
IDC V 03 08 47 06.6–1.5 39.37N 71.18E 0 4.0s,3.6b **¶610689467**
KRNET V 03 08 47 07.1–.10 39.47N 71.45E 20 3.4b,3.6b
ISU V 03 08 47 09.3 39.62N 71.41E 1 3.4b,3.6b
NNC V 03 08 47 10.3–1.4 39.60N 71.47E 0 3.6b,3.3
ISC Event type se.
IDC Error ellipse: s-maj=40.6km s-min=26.1km az=145.0.
NNC Event type se. Error ellipse: s-maj=10.8km s-min=7.4km az=20.0.
ISC V 03 10 29 18.8–1.4 39.55N–.04 71.54E–.03 0–11 58 1-13
KRNET V 03 10 29 17.4–.10 39.54N 71.56E 23 3.6b **¶612038424**
SOME V 03 10 29 19.1 39.67N 71.55E 0 3.6b
NNC V 03 10 29 20.8–3.3 39.58N 71.73E 3–16 3.8,3.7b
ISU V 03 10 29 22.1 39.63N 71.45E 10 3.8,3.7b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=23.7km s-min=11.5km az=8.0.
ISC V 03 13 30 07.3–1.4 39.52N–.04 71.67E–.03 1–9 3.7b 61 1-78
IDC V 03 13 30 06.7–3.5 39.24N 71.58E 0 3.6,3.6b **¶610689483**
KRNET V 03 13 30 08.9–.10 39.54N 71.58E 35 3.2b,3.6b
ISU V 03 13 30 11.0 39.59N 71.62E 15 3.2b,3.6b

SOME V 03 13 30 14.1 39.83N 71.72E 5 3.2b,3.6b
NNC V 03 13 30 22.3–2.4 40.22N 71.78E 31–15 3.6b,3.3
ISC Event type se.
IDC Error ellipse: s-maj=82.6km s-min=41.7km az=136.0.
NNC Event type se. Error ellipse: s-maj=18.9km s-min=7.1km az=3.0.
ISC V 03 14 10 30.8–1.2 39.37N–.05 71.72E–.04 10 35 1-4
SOME V 03 14 10 33.7 39.55N 71.73E 20 **¶612038436**
KRNET V 03 14 10 34.5–.10 39.53N 71.48E 15 3.2b
ISU V 03 14 10 35.6 39.70N 71.34E 6 3.2b
ISC Event type ke.
ISC V 03 14 35 32.1–1.2 39.60N–.04 71.60E–.03 15–8 3.9b 83 1-78
IDC V 03 14 35 28.9–1.9 39.39N 71.84E 0 3.9b,3.7 **¶610689486**
KRNET V 03 14 35 31.4–.10 39.54N 71.59E 17 3.7b,3.7
NNC V 03 14 35 32.1–2.5 39.76N 72.07E 2–17 4.0b,3.8
ISU V 03 14 35 33.7 39.59N 71.59E 20 4.0b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=35.4km s-min=14.9km az=144.0.
NNC Event type se. Error ellipse: s-maj=18.5km s-min=9.9km az=6.0.
ISC V 03 15 09 56.4–.52 39.51N–.03 71.74E–.02 10 3.6b 120 0-86
SOME V 03 15 09 54.7 39.50N 71.65E 15 3.6b **¶610593828**
KRNET V 03 15 09 54.1–.10 39.47N 71.68E 13 4.1b
IDC V 03 15 09 56.0–1.1 39.46N 71.74E 0 3.6,3.6b
NNC V 03 15 09 59.9–.89 39.66N 71.65E 0 4.2b,3.9
ISU V 03 15 10 00.1 39.60N 71.50E 5 4.2b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=17.9km s-min=14.2km az=140.0.
NNC Event type se. Error ellipse: s-maj=7.7km s-min=4.3km az=1.0.
ISC V 03 18 00 05.3–1.3 39.45N–.07 71.76E–.04 10 26 0-5
KRNET V 03 18 00 01.9–.10 39.34N 71.66E 10 2.8b **¶612038445**
NNC V 03 18 00 07.1–3.0 39.49N 71.64E 0 3.0,2.6b
ISU V 03 18 00 10.6 39.53N 71.73E 27 3.0,2.6b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=21.1km s-min=12.0km az=4.0.
ISC V 03 20 03 11.3–.50 39.47N–.02 71.45E–.02 12–3 5.0b,4.1s 1177 0-152
SOME V 03 20 03 06.7 39.43N 71.48E 5 4.6s,4.1s **¶610593961**
IDC V 03 20 03 09.2–.43 39.39N 71.55E 0 4.7,4.7b
MOS V 03 20 03 10.3–1.1 39.51N 71.46E 13 5.2b,4.3s
BJI V 03 20 03 10.4–.00 39.47N 71.24E 28 4.9b,4.8L
NNC V 03 20 03 11.4–1.4 39.44N 71.50E 0 5.2b,4.9
NEIC V 03 20 03 11.4–1.8 39.50N–.05 71.50E–.07 10–1 5.1b,4.9
GCMT V 03 20 03 11.4–.30 39.56N–.03 71.34E–.02 22–0 4.9W,4.9
KRNET V 03 20 03 12.3–.10 39.60N 71.52E 22 5.0b,4.9
ISU V 03 20 03 12.2 39.53N 71.40E 15 5.0b,4.9
ISC Event type se.
IDC Error ellipse: s-maj=10.1km s-min=7.8km az=163.0.
MOS Error ellipse: s-maj=3.6km s-min=2.9km az=90.2.
NNC Event type se. Error ellipse: s-maj=12.9km s-min=7.8km az=174.0.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=9.0km az=133.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s36,c42; s91,c127;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}1.93±.15 $M_{\theta\theta}$-0.42±.11; $M_{\phi\phi}$-1.51±.10; $M_{r\theta}$-0.58±.20; $M_{\theta\phi}$-1.90±.08; $M_{\phi r}$0.24±.16; Best double couple: NP1:ϕ_s241.00000°,δ52.00000°,λ124.00000°. NP2:ϕ_s13.00000°,δ49.00000°,λ54.00000°. Principal axes: T 2.2340,Plg64.0000° ,Azm214.0000°; N 0.7110,Plg26.0000°,Azm38.0000°; P -2.9480,Plg2.0000°,Azm307.0000° $M_0$2.59100×10^{16}
ISC V 03 20 51 28.9–1.4 39.49N–.06 71.36E–.03 30–10 3.8b 81 1-78
IDC V 03 20 51 22.5–1.6 39.26N 71.63E 0 3.7b,3.6 **¶610689504**
KRNET V 03 20 51 28.4–.10 39.65N 71.49E 17 3.6b,3.6
NNC V 03 20 51 30.4–1.5 39.73N 71.56E 0 4.0b,3.6
ISU V 03 20 51 31.8 39.60N 71.41E 30 4.0b,3.6
ISC Event type se.
IDC Error ellipse: s-maj=26.9km s-min=12.8km az=147.0.
NNC Event type se. Error ellipse: s-maj=12.5km s-min=7.8km az=6.0.
ISC V 03 21 17 28.5–1.5 39.53N–.08 71.45E–.05 10 27 1-4
KRNET V 03 21 17 28.0–.10 39.61N 71.51E 14 2.7b **¶612115559**
ISU V 03 21 17 28.5 39.54N 71.43E 17 2.7b
ISC Event type ke.
ISC V 03 22 04 05.5–.78 39.46N–.05 71.80E–.03 10 3.6b 91 1-78
IDC V 03 22 04 02.1–2.0 39.14N 71.92E 0 3.6b,3.5 **¶610689509**
KRNET V 03 22 04 06.1–.10 39.45N 71.46E 3.5b,3.5
SOME V 03 22 04 07.8 39.60N 71.60E 5 3.5b,3.5
NNC V 03 22 04 09.9–2.2 39.66N 71.49E 0–10 3.8b,3.4
ISU V 03 22 04 09.5 39.51N 71.56E 12 3.8b,3.4
ISC Event type se.
IDC Error ellipse: s-maj=37.7km s-min=14.4km az=144.0.
NNC Event type se. Error ellipse: s-maj=15.3km s-min=7.3km az=5.0.
KRNET V 03 23 39 12.6–.10 39.51N 71.46E 13 2.3b
¶612115574
ISC V 04 00 18 29.4–1.5 39.43N–.08 71.65E–.03 4–9 37 0-13
KRNET V 04 00 18 27.4–.10 39.37N 71.64E 3.0b **¶612038448**
SOME V 04 00 18 32.9 39.68N 71.78E 0 3.0b
ISU V 04 00 18 35.2 39.53N 71.52E 28 3.0b
NNC V 04 00 18 36.4–8.1 39.66N 71.69E 0 3.1b,2.7
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=73.9km s-min=47.0km az=168.0.
ISC V 04 02 55 38.8–1.9 39.4N–.10 71.71E–.05 17–7 19 0-4
KRNET V 04 02 55 39.7–.10 39.36N 71.65E 2.8b **¶612038452**
ISU V 04 02 55 44.8 39.52N 71.73E 16 2.8b
ISC Event type ke.
ISC V 04 05 29 41.3–1.9 39.38N–.05 71.43E–.07 5–14 18 1-4
KRNET V 04 05 29 41.3–.10 39.45N 71.45E 20 2.7b **¶612038460**
SOME V 04 05 29 42.3 39.73N 72.00E 0 2.7b
ISC Event type ke.
ISC V 04 06 52 26.4–1.1 39.43N–.03 71.62E–.02 0–7 3.9b,3.2s 197 0-86
KRNET V 04 06 52 24.4–.10 39.43N 71.63E 17 4.3b,3.2s **¶610594001**
IDC V 04 06 52 24.6–.89 39.31N 71.74E 0 3.9,3.9b
SOME V 04 06 52 24.3 39.37N 71.57E 15 3.9,3.9b
MOS V 04 06 52 25.7–1.3 39.37N 71.60E 10 4.4b,3.9b
NEIC V 04 06 52 30.2–2.1 39.50N–.01 71.37E–.06 10–1 4.0b,3.9b
NNC V 04 06 52 32.1–1.3 39.70N 71.59E 0 4.4b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=17.2km s-min=10.8km az=147.0.
MOS Error ellipse: s-maj=7.7km s-min=4.2km az=73.2.
NEIC Event type se. Error ellipse: s-maj=7.6km s-min=3.0km az=283.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=10.6km s-min=6.4km az=5.0.
ISC V 04 11 10 02.2–.48 39.53N–.02 71.47E–.02 8–2 4.9b,3.9s 795 1-151
BJI V 04 11 09 57.8–.00 39.55N 71.14E 5 4.8b,4.5b **¶610594168**
KRNET V 04 11 09 58.0–.10 39.43N 71.62E 13 5.1b,4.5b
SOME V 04 11 09 59.1 39.40N 71.60E 15 5.1b,4.5b
IDC V 04 11 10 00.2–.45 39.36N 71.54E 0 4.7,4.7b
MOS V 04 11 10 01.3–1.3 39.50N 71.47E 13 5.0b,4.0s
ISU V 04 11 10 01.1 39.52N 71.48E 3 5.0b,4.0s
NEIC V 04 11 10 02.8–2.7 39.51N–.04 71.48E–.05 10–1 4.9b,4.0s
NNC V 04 11 10 04.9–1.6 39.68N 71.57E 0 5.1b,4.8
ISC Event type se.
IDC Error ellipse: s-maj=9.9km s-min=7.9km az=165.0.
MOS Error ellipse: s-maj=3.9km s-min=2.9km az=75.3.
NEIC Event type se. Error ellipse: s-maj=7.8km s-min=6.0km az=231.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=13.7km s-min=6.9km az=6.0.
ISC V 04 15 26 39.4–1.4 39.43N–.04 71.56E–.03 1–10 3.8b 89 1-78
IDC V 04 15 26 38.5–2.2 39.40N 71.73E 0 3.8s,3.8b **¶610594262**
KRNET V 04 15 26 40.0–.10 39.53N 71.59E 17 3.4b,3.8b
SOME V 04 15 26 41.7 39.60N 71.53E 10 3.4b,3.8b
ISU V 04 15 26 43.3 39.59N 71.58E 12 3.4b,3.8b
NNC V 04 15 26 43.4–2.7 39.68N 71.60E 0 3.6b,3.3
ISC Event type se.
IDC Error ellipse: s-maj=43.3km s-min=14.4km az=142.0.
NNC Event type se. Error ellipse: s-maj=21.4km s-min=13.5km az=177.0.
ISC V 04 17 45 41.7–1.5 39.33N–.08 71.60E–.03 10 32 0-13
KRNET V 04 17 45 39.6–.10 39.33N 71.61E 8 2.8b **¶612038504**
ISU V 04 17 45 47.1 39.51N 71.55E 8 2.8b
NNC V 04 17 45 47.1–6.6 39.53N 71.76E 0 3.0b,2.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=57.9km s-min=32.4km az=163.0.
ISC V 04 18 23 16.5–.85 39.46N–.03 71.44E–.02 10–5 4.5b,3.3s 385 0-86
IDC V 04 18 23 14.8–.60 39.47N 71.47E 0 4.3,4.3b **¶610594263**
MOS V 04 18 23 15.8–1.3 39.51N 71.37E 13 4.7b,4.3b
SOME V 04 18 23 16.5 39.55N 71.52E 5 4.7b,4.3b
BJI V 04 18 23 16.1–.00 39.56N 71.27E 10 4.5b,4.2b
NEIC V 04 18 23 17.6–2.8 39.56N–.05 71.41E–.08 10–1 4.6b,4.2b
KRNET V 04 18 23 17.4–.10 39.61N 71.52E 21 4.5b,4.2b
NNC V 04 18 23 18.8–1.7 39.65N 71.53E 0 4.7b,4.4
ISU V 04 18 23 19.0 39.56N 71.37E 5 4.7b,4.4
ISC Event type se.
IDC Error ellipse: s-maj=11.0km s-min=8.4km az=169.0.
MOS Error ellipse: s-maj=5.1km s-min=3.5km az=76.3.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=8.8km az=101.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=14.2km s-min=8.4km az=2.0.
ISC V 04 20 43 36.4–2.3 39.39N–.10 71.39E–.05 9–12 31 1-5
SOME V 04 20 43 26.7 39.47N 72.22E 5 **¶612038508**
ISU V 04 20 43 38.8 39.59N 71.45E 5
KRNET V 04 20 43 38.4–.10 39.55N 71.47E 20 2.7b
ISC Event type ke.
KRNET V 04 23 40 10.4–.10 39.43N 71.50E 2.7b
¶612115632
ISC V 05 03 17 41.2–1.6 37.7N–.10 72.2E–.10 200 3.2b 17 5-80
IDC V 05 03 17 38.9–6.8 37.31N 72.32E 202–61 3.7,3.1b **¶610689580**
NNC V 05 03 17 43.9–2.9 37.97N 72.16E 211–32 3.0,2.2b
ISC Event type se.
IDC Error ellipse: s-maj=57.2km s-min=35.9km az=145.0.
NNC Event type se. Error ellipse: s-maj=29.2km s-min=19.5km az=25.0.
ISC V 05 05 09 35.0–.26 39.44N–.02 71.52E–.02 9–1 6.0b,5.7s 2520 1-151
BGR V 05 05 09 27.9 37.82N 72.35E 33 6.2,5.9b **¶610598542**
IDC V 05 05 09 33.6–.30 39.38N 71.54E 0 5.7,5.7b
SOME V 05 05 09 33.9 39.52N 71.52E 15 6.1s,5.7b
KRNET V 05 05 09 33.7–.10 39.43N 71.50E 18 6.3b,5.7b
BJI V 05 05 09 34.5–.00 39.47N 71.57E 10 6.1s,6.0b
MOS V 05 05 09 34.3–.96 39.40N 71.48E 13 6.2b,5.8s
NEIC V 05 05 09 36.0–2.1 39.48N–.05 71.42E–.05 10–1 6.1b,5.8
NEIC V 05 05 09 35.7 39.47N 71.46E 8 6.1b,5.8
GCMT V 05 05 09 35.9–.10 39.51N–.01 71.41E–.01 18–0 5.8W,5.8
NNC V 05 05 09 36.8–2.4 39.58N 71.32E 2–11 6.2b,6.0
NEIC V 05 05 09 36.2 39.58N 71.42E 22 6.2b,6.0
NEIC V 05 05 09 36.2 39.48N 71.42E 22 6.2b,6.0
ISC Event type ke.
BGR Event type ke.
IDC Error ellipse: s-maj=8.0km s-min=6.9km az=178.0.
MOS Event type fe. Error ellipse: s-maj=3.3km s-min=2.8km az=84.5. Felt (VI) at Karamyk, Alga, Kara-Teyit; (IV) at Batken; (III) at Osh; (II-III) at Shymkent; (II) at Dzhambul, Taraz. Moment Tensor Solution.
NEIC Event type se. Error ellipse: s-maj=8.5km s-min=6.5km az=354.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}3.32 $M_{\theta\theta}$-0.33 $M_{\phi\phi}$-3.00 $M_{r\theta}$-0.47 $M_{\theta\phi}$-1.92 $M_{\phi r}$0.98 NP1:ϕ_s12.14000°,δ52.20000°,λ69.37000°. NP2:ϕ_s223.70000°,δ42.31000° ,λ114.43000°. Principal axes: T 3.6318,Plg73.0000°,Azm224.0000°; N 0.4224,Plg16.0000° ,Azm25.0000°; P -4.0542,Plg5.0000°,Azm117.0000° $M_0$3.86000×10^{17}
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s153,c315; s164,c531; Duration: 2$\overset{s}{.}$0 Moment tensor: Scale 10^{17}Nm; M_{rr}6.41±.06 $M_{\theta\theta}$-1.44±.05; $M_{\phi\phi}$-4.96±.05; $M_{r\theta}$-1.63±.14; $M_{\theta\phi}$-3.93±.04; $M_{\phi r}$0.19±.12; Best double couple: NP1:ϕ_s227.00000°,δ50.00000° ,λ109.00000°. NP2:ϕ_s19.00000°,δ44.00000°,λ69.00000°. Principal axes: T 6.8260,Plg75.0000°,Azm202.0000°; N 0.7290,Plg14.0000°,Azm34.0000° ; P -7.5450,Plg3.0000°,Azm303.0000° $M_0$7.18500×10^{17}
NNC Event type se. Error ellipse: s-maj=16.4km s-min=8.8km az=4.0.
NEIC Event type se. Moment Tensor Solution.Duration: 4$\overset{s}{.}$0 Moment tensor: Scale 10^{17}Nm; M_{rr}5.99 $M_{\theta\theta}$-1.48 $M_{\phi\phi}$-4.51 $M_{r\theta}$1.40 $M_{\theta\phi}$-3.01 $M_{\phi r}$0.80 NP1:ϕ_s38.94000°,δ51.91000° ,λ99.23000°. NP2:ϕ_s204.19000°,δ39.02000°,λ78.43000°. Principal axes: T 6.2505,Plg80.0000°,Azm351.0000°; N 0.2776,Plg7.0000°,Azm213.0000° ; P -6.5281,Plg6.0000°,Azm122.0000° $M_0$6.39000×10^{17}
NEIC Event type se.
ISC V 05 05 15 13.1–.78 39.50N–.03 71.34E–.03 6–5 4.8b 131 1-97
IDC V 05 05 15 10.0–1.1 39.28N 71.52E 0 4.4,4.4b **¶610598546**
KRNET V 05 05 15 11.2–.10 39.47N 71.46E 16 4.8b,4.4b
MOS V 05 05 15 12.4–1.4 39.47N 71.32E 15 5.1b,4.4b
BJI V 05 05 15 12.0–.00 39.57N 71.00E 10 5.3b,4.7b
NNC V 05 05 15 14.2–3.4 39.58N 71.61E 0 5.1b,4.7
ISU V 05 05 15 14.5 39.59N 71.34E 10 5.1b,4.7
NEIC V 05 05 15 15.0–1.6 39.43N–.05 71.20E–.03 10–1 4.9b,4.7
ISC Event type se.
NNC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 05 05 20 37.2–1.6 39.46N–.07 71.46E–.06 16–16 18 1-4
KRNET V 05 05 20 37.9–.10 39.47N 71.41E 16 4.0b **¶612038524**
ISC Event type ke.
ISC V 05 05 24 08.2–1.4 39.50N–.05 71.46E–.04 1–10 3.9b 25 1-78
IDC V 05 05 24 05.2–3.5 39.19N 71.75E 0 3.9,3.9b **¶616988675**
KRNET V 05 05 24 08.4–.10 39.47N 71.47E 14 3.8b,3.9b
ISC Event type ke.
IDC Error ellipse: s-maj=84.6km s-min=25.2km az=143.0.
ISC V 05 05 25 11.7–.82 39.43N–.02 71.42E–.02 13–5 4.6b 291 1-151
BJI V 05 05 25 07.5–.00 39.48N 70.93E 10 5.3s,4.8 **¶610598544**
KRNET V 05 05 25 09.7–.10 39.43N 71.50E 17 4.6b,4.8
IDC V 05 05 25 09.2–.66 39.36N 71.54E 0 4.3,4.3b
SOME V 05 05 25 11.1 39.47N 71.57E 15 4.2s,4.3b
MOS V 05 05 25 11.2–1.2 39.47N 71.38E 19 4.8b,4.3b
NEIC V 05 05 25 13–2.3 39.50N–.03 71.30E–.05 10–1 4.8b,4.3b
NNC V 05 05 25 15.6–1.8 39.73N 71.55E 0 4.7b,4.4
ISC Event type se.
IDC Error ellipse: s-maj=14.3km s-min=10.5km az=155.0.
MOS Error ellipse: s-maj=6.4km s-min=3.9km az=75.0.
NEIC Event type se. Error ellipse: s-maj=8.0km s-min=3.8km az=233.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=15.4km s-min=8.7km az=4.0.
ISC V 05 05 47 22.1–1.3 39.45N–.04 71.42E–.03 2–10 52 1-6
ISU V 05 05 47 22.7 39.53N 71.61E 20 **¶612115664**
KRNET V 05 05 47 22.1–.10 39.45N 71.41E 27 3.5b
NNC V 05 05 47 25.0–1.2 39.60N 71.55E 0 3.8b,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=9.6km s-min=6.0km az=2.0.
ISC V 05 06 05 47.4–1.0 39.44N–.04 71.46E–.04 10 41 1-6
SOME V 05 06 05 45.2 39.50N 71.78E 0 **¶612038533**
KRNET V 05 06 05 47.1–.10 39.46N 71.43E 22 3.2b
NNC V 05 06 05 47.0–4.8 39.49N 71.78E 0 3.5b,3.2
ISU V 05 06 05 50.8 39.60N 71.33E 10 3.5b,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=37.1km s-min=19.3km az=171.0.
KRNET V 05 06 06 34.6–.10 39.51N 71.51E 21 3.1b
¶612115682
ISC V 05 06 16 59.5–1.2 39.40N–.03 71.47E–.03 8–8 3.8b 107 1-86
ISU V 05 06 16 57.4 39.50N 71.57E 12 3.8b **¶612115689**

IDC V 05 06 16 57.5–.96 39.28N 71.55E 0 3.9,3.9b
SOME V 05 06 16 58.6 39.48N 71.53E 10 3.9,3.9b
KRNET V 05 06 16 58.7–.10 39.46N 71.47E 22 4.0b,3.9b
NNC V 05 06 17 03.4–2.0 39.69N 71.47E 0 4.1b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=19.3km s-min=13.6km az=145.0.
NNC Event type se. Error ellipse: s-maj=16.2km s-min=8.4km az=4.0.
ISC V 05 06 38 03.6–.64 39.48N–.03 71.49E–.02 8–4 4.6b 553 1-96
BJI V 05 06 38 00.6–.00 39.48N 71.25E 10 4.8b,4.6b **¶611833745**
IDC V 05 06 38 01.4–.57 39.36N 71.61E 0 4.5,4.5b
KRNET V 05 06 38 02.6–.10 39.45N 71.47E 25 4.7b,4.5b
MOS V 05 06 38 02.7–1.1 39.42N 71.48E 12 4.8b,4.5b
SOME V 05 06 38 03.1 39.57N 71.60E 10 4.1s,4.5b
NNC V 05 06 38 04.9–1.6 39.64N 71.50E 0 4.8b,4.4
NEIC V 05 06 38 04.8–3.0 39.45N–.03 71.38E–.05 9–5 4.7b,4.4
ISC Event type se.
NNC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 05 06 52 11.4–1.3 39.46N–.04 71.42E–.03 5–8 4.0b 80 1-83
IDC V 05 06 52 10.6–1.7 39.54N 71.44E 0 3.8b,3.7 **¶612115719**
KRNET V 05 06 52 10.2–.10 39.47N 71.44E 20 3.5b,3.7
ISU V 05 06 52 13.4 39.54N 71.43E 17 3.5b,3.7
NNC V 05 06 52 14.9–1.6 39.71N 71.61E 0 3.6b,3.3
ISC Event type se.
IDC Error ellipse: s-maj=39.2km s-min=21.5km az=131.0.
NNC Event type se. Error ellipse: s-maj=13.0km s-min=6.6km az=1.0.
ISC V 05 07 03 53.0–1.2 39.41N–.03 71.56E–.03 5–8 3.9b 104 1-78
KRNET V 05 07 03 53.0–.10 39.49N 71.52E 17 3.7b **¶612115729**
IDC V 05 07 03 52.2–1.8 39.25N 71.61E 0 3.9b,3.8
ISU V 05 07 03 55.0 39.53N 71.56E 8 3.9b,3.8
NNC V 05 07 04 00.4–2.1 39.80N 71.51E 6–9 3.8b,3.6
ISC Event type se.
IDC Error ellipse: s-maj=34.0km s-min=14.5km az=147.0.
NNC Event type se. Error ellipse: s-maj=15.1km s-min=6.9km az=11.0.
KRNET V 05 07 33 13.0–.10 39.47N 71.44E 18 2.4b
¶612115765
ISC V 05 08 05 44.3–1.3 39.48N–.04 71.41E–.03 4–9 49 1-13
KRNET V 05 08 05 43.6–.10 39.49N 71.40E 23 3.3b **¶612038549**
ISU V 05 08 05 44.4 39.52N 71.55E 9 3.3b
NNC V 05 08 05 48.4–1.7 39.75N 71.51E 0 3.5b,3.1
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=13.8km s-min=8.9km az=7.0.
ISC V 05 09 58 40.8–1.8 39.47N–.07 71.56E–.08 13–18 12 1-4
KRNET V 05 09 58 40.8–.10 39.46N 71.58E 18 2.7b **¶612038569**
ISC Event type ke.
KRNET V 05 10 01 54.5–.10 39.42N 71.48E 35 2.5b
¶612115843
ISC V 05 15 09 16.8–1.7 39.40N–.05 71.45E–.04 1–11 3.8b 40 1-78
IDC V 05 15 09 14.3–3.5 39.14N 71.58E 0 3.8b,3.7 **¶610689614**
KRNET V 05 15 09 18.1–.10 39.52N 71.43E 22 3.3b,3.7
NNC V 05 15 09 18.6–2.9 39.63N 71.81E 0 3.5b,3.1
ISC Event type se.
IDC Error ellipse: s-maj=83.4km s-min=41.5km az=137.0.
NNC Event type se. Error ellipse: s-maj=23.0km s-min=12.3km az=175.0.
ISC V 05 16 43 15.1–1.7 39.48N–.05 71.37E–.04 8–13 28 1-6
KRNET V 05 16 43 14.7–.10 39.46N 71.51E 20 3.3b **¶612038600**
NNC V 05 16 43 14.1–5.1 39.48N 71.61E 0 3.5b,3.1
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=36.3km s-min=20.1km az=6.0.
ISC V 05 17 03 14.5–.69 39.45N–.03 71.42E–.02 8–4 4.5b,3.4s 337 1-86
BJI V 05 17 03 09.5–.00 39.65N 70.83E 10 4.8b,4.3b **¶611833742**
IDC V 05 17 03 12.8–.72 39.40N 71.60E 0 4.1,4.1b
SOME V 05 17 03 13.9 39.50N 71.58E 10 3.5s,4.1b
KRNET V 05 17 03 13.3–.10 39.47N 71.50E 21 4.3b,4.1b
MOS V 05 17 03 13.3–1.0 39.48N 71.42E 10 4.5b,4.1b
NEIC V 05 17 03 15.5–1.7 39.51N–.04 71.46E–.06 10–1 4.5b,4.1b
NNC V 05 17 03 19.8–2.7 39.80N 71.47E 3–11 4.3b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=13.3km s-min=10.1km az=150.0.
MOS Error ellipse: s-maj=5.8km s-min=3.6km az=74.6.
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=5.5km az=52.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=18.6km s-min=8.2km az=11.0.
KRNET V 05 17 32 44.5–.10 39.46N 71.50E 29 2.4b
¶616990000
ISC V 05 19 56 02.1–1.4 39.46N–.05 71.39E–.04 28–11 3.8b 51 1-78
IDC V 05 19 55 57.4–2.9 39.39N 71.68E 0 3.8b,3.7 **¶610689623**
KRNET V 05 19 55 58.7–.10 39.46N 71.50E 20 3.4b,3.7
NNC V 05 19 56 04.6–3.1 39.75N 71.47E 7–13 3.5b,3.3
ISC Event type se.
IDC Error ellipse: s-maj=68.3km s-min=15.7km az=139.0.
NNC Event type se. Error ellipse: s-maj=21.6km s-min=10.3km az=9.0.
ISC V 05 20 34 22.8–1.2 39.59N–.03 71.49E–.03 15–7 3.8b 121 1-83
IDC V 05 20 34 19.0–1.3 39.43N 71.82E 0 3.8,3.8b **¶610689625**
KRNET V 05 20 34 20.3–.10 39.54N 71.59E 25 3.7b,3.8b
SOME V 05 20 34 21.4 39.63N 71.70E 10 3.7b,3.8b
ISU V 05 20 34 22.4 39.60N 71.60E 11 3.7b,3.8b
NNC V 05 20 34 25.8–2.2 39.78N 71.71E 4–10 3.9b,3.5
ISC Event type se.
IDC Error ellipse: s-maj=24.5km s-min=13.6km az=141.0.
NNC Event type se. Error ellipse: s-maj=16.3km s-min=7.7km az=10.0.
ISC V 05 20 42 27.0–1.3 39.47N–.05 71.32E–.03 25–10 3.9b 73 1-86
IDC V 05 20 42 22.2–1.1 39.34N 71.61E 0 3.8b,3.7 **¶610689626**
KRNET V 05 20 42 23.8–.10 39.45N 71.42E 30 3.7b,3.7
NNC V 05 20 42 30.1–2.0 39.79N 71.50E 6–8 3.6b,3.3
ISC Event type se.
IDC Error ellipse: s-maj=22.0km s-min=14.7km az=129.0.
NNC Event type se. Error ellipse: s-maj=14.0km s-min=6.3km az=11.0.
ISC V 05 22 32 47.1–1.1 39.45N–.03 71.35E–.03 14–7 3.9b 134 1-86
IDC V 05 22 32 43.6–.90 39.35N 71.68E 0 3.9,3.9b **¶610613134**
KRNET V 05 22 32 44.8–.10 39.46N 71.48E 20 4.2b,3.9b
MOS V 05 22 32 44.5–1.1 39.28N 71.41E 15 4.2b,3.9b
SOME V 05 22 32 45.2 39.48N 71.50E 5 4.2b,3.9b
NNC V 05 22 32 48.6–1.8 39.63N 71.51E 2–9 4.3b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=18.1km s-min=11.3km az=140.0.
MOS Error ellipse: s-maj=11.7km s-min=7.0km az=91.7.
NNC Event type se. Error ellipse: s-maj=13.1km s-min=6.0km az=12.0.
ISC V 06 03 25 36.1–1.6 39.12N–.08 71.67E–.07 10 17 1-13
KRNET V 06 03 25 47.7–.10 39.87N 69.93E 16 2.9b **¶612038622**
NNC V 06 03 25 52.8–1.8 39.76N 71.45E 0 2.9b,2.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=14.0km s-min=9.5km az=10.0.
ISC V 06 03 35 48.7–1.4 39.44N–.04 71.33E–.03 12–9 3.8b 84 1-86
NNC V 06 03 35 37.8–4.0 38.55N 71.16E 0 4.3b,3.9 **¶610613149**
IDC V 06 03 35 45.7–.97 39.30N 71.56E 0 3.8b,3.7
KRNET V 06 03 35 47.4–.10 39.47N 71.46E 19 3.8b,3.7
SOME V 06 03 35 48.1 39.57N 71.48E 0 3.8b,3.7
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=30.1km s-min=23.4km az=0.0.
IDC Error ellipse: s-maj=21.5km s-min=13.2km az=135.0.
ISC V 06 04 24 53.7–1.5 39.42N–.05 71.46E–.04 2–12 41 1-5
NNC V 06 04 24 43.0–6.5 38.58N 71.29E 0 3.7b,3.3 **¶612038623**
KRNET V 06 04 24 53.2–.10 39.48N 71.51E 16 3.3b,3.3
SOME V 06 04 24 54.7 39.65N 71.63E 0 3.3b,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=48.4km s-min=34.7km az=4.0.
ISC V 06 05 45 36.9–1.1 39.54N–.04 71.56E–.03 6–13 26 0-4
NNC V 06 05 45 09.5–4.0 37.88N 71.11E 19–14 4.0b,3.6 **¶612038628**
KRNET V 06 05 45 38.0–.10 39.43N 71.65E 13 3.3b,3.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=35.0km s-min=27.8km az=177.0.
ISC V 06 07 15 19.0–.67 39.44N–.03 71.42E–.02 13–4 4.8b,3.7s 848 1-138
BGR V 06 07 15 15.4 38.15N 71.78E 33 4.7b,3.6s **¶610613154**
IDC V 06 07 15 16.5–.46 39.38N 71.57E 0 4.8,4.8b
BJI V 06 07 15 16.2–.00 39.67N 71.10E 23 4.8b,4.8L
MOS V 06 07 15 17.5–.99 39.41N 71.44E 13 5.0b,4.8L
KRNET V 06 07 15 17.4–.10 39.47N 71.52E 14 5.1b,4.8L
SOME V 06 07 15 19.8 39.65N 71.62E 0 5.1b,4.8L
NEIC V 06 07 15 19.2–2.3 39.50N–.05 71.44E–.06 10–1 5.0b,4.8L
NNC V 06 07 15 22.4–.60 39.69N 71.58E 0 5.2b,4.9
ISC Event type ke.
BGR Event type ke.
IDC Error ellipse: s-maj=11.1km s-min=7.4km az=165.0.
MOS Event type fe. Error ellipse: s-maj=3.9km s-min=3.2km az=71.9. Felt (IV-V) at Alga, Kara-Teyit; (III-IV) at Kulchu; (III) at Osh; (II-III) at Batken. Moment Tensor Solution.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=7.5km az=155.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=5.1km s-min=2.9km az=8.0.
ISC V 06 07 50 03.0–1.6 39.49N–.06 71.36E–.07 9–13 13 1-3
ISU V 06 07 50 02.9 39.56N 71.54E 2 **¶612116007**
KRNET V 06 07 50 04.7–.10 39.51N 71.29E 35 2.5b
ISC Event type ke.
ISC V 06 08 35 13.0–1.3 39.51N–.04 71.61E–.03 5–10 59 1-5
NNC V 06 08 35 06.7–9.6 38.58N 71.89E 0 4.1b,3.7 **¶612038631**
KRNET V 06 08 35 14.4–.10 39.48N 71.46E 22 3.2b,3.7
SOME V 06 08 35 17.7 39.77N 71.55E 0 3.2b,3.7
ISU V 06 08 35 20.0 39.53N 71.58E 10 3.2b,3.7
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=73.6km s-min=41.5km az=11.0.
ISC V 06 08 48 02.4–1.5 39.64N–.07 71.70E–.06 27–15 13 1-13
NNC V 06 08 47 46.5–4.0 37.49N 71.27E 0 3.7b,3.4 **¶612116011**
KRNET V 06 08 48 02.3–.10 39.66N 71.74E 27 2.6b,3.4
ISC Event type ke.
NNC Event type se. Error ellipse: s-maj=37.0km s-min=29.1km az=131.0.
ISC V 06 19 01 40.6–1.4 39.43N–.05 71.37E–.04 14–8 4.1b 124 1-86
SOME V 06 19 01 36.4 39.43N 71.52E 5 4.1b **¶610617720**
IDC V 06 19 01 37.2–.99 39.34N 71.71E 0 3.8,3.8b
KRNET V 06 19 01 40.8–.10 39.55N 71.48E 14 3.7b,3.8b
NNC V 06 19 01 40.8–2.0 39.50N 71.53E 0 4.0b,3.7
NEIC V 06 19 01 41.7–2.8 39.50N–.04 71.33E–.07 10–1 4.2b,3.7
ISC Event type se.
NNC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 07 05 05 48.9–1.6 39.38N–.06 71.62E–.03 10–10 36 1-6
ISU V 07 05 05 52.6 39.53N 71.58E 5 **¶612038665**
KRNET V 07 05 05 52.5–.10 39.50N 71.48E 24 3.1b
NNC V 07 05 05 57.3–.92 39.70N 71.60E 0 3.5b,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=7.4km s-min=4.4km az=4.0.
ISC V 07 07 25 18.1–1.8 38.6N–.10 72.1E–.10 150 3.5b 18 4-79
IDC V 07 07 25 14.2–7.7 38.21N 72.40E 132–49 3.8,3.4b **¶610689702**
NNC V 07 07 25 15.0–6.1 38.39N 72.16E 149–103 2.9,2.4b
ISC Event type se.
IDC Error ellipse: s-maj=67.5km s-min=35.9km az=176.0.
NNC Event type se. Error ellipse: s-maj=71.5km s-min=41.2km az=31.0.
ISC V 07 18 04 02.3–.73 39.40N–.04 71.70E–.02 10 3.7b 98 0-78
KRNET V 07 18 04 00.7–.10 39.42N 71.66E 9 3.5b **¶610689746**
SOME V 07 18 04 01.6 39.40N 71.53E 5 3.5b
IDC V 07 18 04 04.8–2.1 39.49N 71.60E 0 3.6,3.6b
ISU V 07 18 04 05.1 39.50N 71.58E 8 3.6,3.6b
NNC V 07 18 04 08.5–1.4 39.65N 71.56E 0 3.8b,3.5
ISC Event type se.
IDC Error ellipse: s-maj=46.6km s-min=11.9km az=145.0.
NNC Event type se. Error ellipse: s-maj=10.9km s-min=6.4km az=14.0.
ISC V 07 20 42 47.7–1.2 39.45N–.03 71.67E–.03 1–8 3.7b 94 1-78
IDC V 07 20 42 47.7–3.6 39.13N 71.69E 0 3.5,3.5b **¶610689755**
KRNET V 07 20 42 50.0–.10 39.46N 71.50E 15 3.8b,3.5b
SOME V 07 20 42 50.3 39.55N 71.58E 0 3.8b,3.5b
ISU V 07 20 42 51.9 39.51N 71.59E 9 3.8b,3.5b
NNC V 07 20 42 54.5–1.8 39.68N 71.50E 10–8 3.8b,3.6
ISC Event type se.
IDC Error ellipse: s-maj=88.3km s-min=35.3km az=144.0.
NNC Event type se. Error ellipse: s-maj=13.4km s-min=6.7km az=10.0.
ISC V 08 04 20 52.9–1.9 39.77N–.09 71.55E–.04 2–10 24 0-5
KRNET V 08 04 20 48.8–.10 39.49N 71.55E 2.8b **¶612038718**
ISU V 08 04 20 51.1 39.57N 71.53E 5 2.8b
SOME V 08 04 20 53.8 40.78N 72.80E 0 2.8b
ISC Event type ke.
ISC V 08 14 24 07.4–1.5 39.47N–.05 71.59E–.03 1–11 43 1-6
ISU V 08 14 24 06.7 39.57N 71.68E 5 **¶612038739**
KRNET V 08 14 24 08.7–.10 39.53N 71.48E 25 3.0b
NNC V 08 14 24 18.0–3.5 39.93N 71.77E 0 3.3b,2.9
SOME V 08 14 24 19.9 40.08N 71.78E 0 3.3b,2.9
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=25.4km s-min=13.4km az=1.0.
ISC V 09 12 44 11.7–1.4 39.48N–.06 71.51E–.06 10–13 17 1-5
KRNET V 09 12 44 13.1–.10 39.48N 71.47E 27 2.7b **¶612038778**
NNC V 09 12 44 15.5–5.0 39.54N 71.46E 0 2.5b,2.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=42.7km s-min=25.6km az=176.0.
KRNET V 09 16 00 49.0–.10 39.46N 71.58E 20 2.8b
ISU V 09 16 00 50.8 39.51N 71.57E 10 2.8b **¶612116183**
ISC V 10 14 17 33.8–.90 39.56N–.04 71.62E–.03 10 73 1-5
KRNET V 10 14 17 32.2–.10 39.55N 71.60E 16 3.3b **¶610623014**
ISU V 10 14 17 34.6 39.62N 71.65E 28 3.3b
SOME V 10 14 17 35.4 39.65N 71.77E 5 3.3b
NNC V 10 14 17 36.6–2.6 39.73N 71.80E 0 3.5b,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=20.5km s-min=10.4km az=178.0.
KRNET V 10 17 53 51.3–.10 39.57N 70.87E 35 2.7b
¶612116199
ISC V 12 02 48 32.9–.59 37.99N–.04 72.79E–.07 10 3.6b 48 4-80
IDC V 12 02 48 32.4–2.0 38.15N 72.99E 0 3.7,3.7b **¶610667664**
NNC V 12 02 48 35.8–3.0 38.39N 73.08E 0 4.3b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=37.4km s-min=15.6km az=136.0.
NNC Event type se. Error ellipse: s-maj=22.8km s-min=14.6km az=163.0.
ISC V 12 14 52 43.6–1.4 39.62N–.04 71.34E–.04 5–12 20 1-5
KRNET V 12 14 52 42.8–.10 39.45N 71.53E 18 3.0b **¶612038932**
SOME V 12 14 52 44.1 39.65N 71.80E 0 3.0b
NNC V 12 14 52 49.4–8.6 39.67N 71.77E 0 2.8b,2.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=67.6km s-min=34.2km az=170.0.
ISC V 13 23 29 32.4–1.2 39.50N–.04 71.38E–.03 5–10 82 1-6
SOME V 13 23 29 31.5 39.60N 71.53E 0 **¶610638582**
KRNET V 13 23 29 31.2–.10 39.48N 71.42E 22 3.4b
ISU V 13 23 29 33.7 39.50N 71.60E 10 3.4b
NNC V 13 23 29 35.3–1.3 39.69N 71.61E 0–6 3.6b,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=9.0km s-min=4.7km az=7.0.
ISC V 15 00 27 15.3–5.0 40.3N–.30 71.77E–.08 10 11 2-5
NNC V 15 00 27 19.9–6.3 40.68N 71.75E 0 2.9b,2.8 **¶617229481**
SOME V 15 00 27 21.8 40.88N 72.00E 10 2.9b,2.8
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=52.1km s-min=20.3km az=4.0.
ISC V 15 21 43 32.0–9.7 39.1N–.50 71.0E–.20 10 12 3-5
NNC V 15 21 43 31.6–4.2 39.07N 70.90E 0 3.6b,3.4 **¶612039068**

SOME V 15 21 43 31.6 39.07N 70.92E 10 3.6b,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=29.2km s-min=19.8km az=14.0.
ISC V 16 01 01 42.2–1.5 39.17N–.08 71.36E–.04 10 39 1-66
KRNET V 16 01 01 40.8–.10 39.16N 71.46E 3.1b ¶610690371
IDC V 16 01 01 40.1–2.8 38.73N 71.33E 0 3.4,3.2b
NNC V 16 01 01 44.4–2.9 39.09N 70.80E 0 3.6b,3.2
ISC Event type se.
IDC Error ellipse: s-maj=52.4km s-min=25.1km az=154.0.
NNC Event type se. Error ellipse: s-maj=29.8km s-min=14.9km az=160.0.
ISC V 17 03 16 06.9–1.1 39.14N–.05 71.84E–.03 10 75 1-15
KRNET V 17 03 16 07.2–.10 39.19N 71.74E 20 3.8b ¶610641789
SOME V 17 03 16 13.8 39.43N 72.05E 0 3.8b
NNC V 17 03 16 15.9–2.2 39.64N 71.72E 3–11 3.9b,3.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=14.6km s-min=10.7km az=11.0.
NNC V 17 10 08 29.4–7.6 38.76N 69.80E 10–33 3.6b,3.3
¶612039116
NNC Event type se. Error ellipse: s-maj=50.1km s-min=36.6km az=6.0.
ISC V 19 09 15 50.4–1.4 40.84N–.04 69.39E–.08 35–4 20 1-5
KRNET V 19 09 15 46.9–.10 40.95N 69.50E 2.9b ¶612039205
SOME V 19 09 15 49.0 40.80N 69.80E 0 2.9b
ISC Event type ke.
ISC V 20 02 39 57.0–1.4 39.49N–.07 71.68E–.05 10 21 1-4
ISU V 20 02 39 56.6 39.58N 71.93E 25 ¶612039234
KRNET V 20 02 39 57.1–.10 39.52N 71.60E 23 2.7b
ISC Event type ke.
ISC V 20 21 58 02.8–.48 39.48N–.03 71.62E–.02 10 3.6b 103 0-86
KRNET V 20 21 58 01.1–.10 39.43N 71.62E 3.7b ¶610646005
IDC V 20 21 58 03.2–.99 39.31N 71.64E 0 3.8,3.8b
NEIC V 20 21 58 07.0–2.5 39.46N–.03 71.34E–.03 10–1 4.3b,3.8b
NNC V 20 21 58 09.4–2.0 39.64N 71.57E 0 4.1b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=19.0km s-min=11.6km az=143.0.
NEIC Event type se. Error ellipse: s-maj=5.1km s-min=3.4km az=338.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=16.5km s-min=9.7km az=175.0.
ISC V 21 07 47 03.6–1.3 39.53N–.05 71.62E–.04 2–12 19 0-3
KRNET V 21 07 47 02.7–.10 39.34N 71.64E 9 2.7b ¶612116336
ISU V 21 07 47 08.2 39.54N 71.54E 5 2.7b
ISC Event type ke.
ISC V 24 21 21 01.1–1.2 39.44N–.04 71.62E–.03 9–8 3.6b 80 1-83
IDC V 24 21 20 59.0–1.3 39.12N 71.81E 0 3.7,3.6b ¶610653323
KRNET V 24 21 21 03.1–.10 39.39N 71.57E 35 3.8b,3.6b
NNC V 24 21 21 08.1–3.5 39.63N 71.95E 0 3.9b,3.4
SOME V 24 21 21 08.7 39.80N 71.75E 15 3.9b,3.4
ISC Event type se.
IDC Error ellipse: s-maj=20.9km s-min=15.6km az=134.0.
NNC Event type se. Error ellipse: s-maj=33.1km s-min=22.8km az=178.0.
KRNET V 25 05 24 23.7–.10 39.54N 71.63E 17 3.5b
¶617183566
ISC V 25 05 24 33.3–1.2 39.69N–.03 71.66E–.02 2–7 3.8b 126 1-91
IDC V 25 05 24 32.5–.96 39.30N 71.70E 0 3.8,3.8b ¶610653574
MOS V 25 05 24 33.7–.78 39.51N 71.60E 9 4.0b,3.8b
KRNET V 25 05 24 34.6–.10 39.54N 71.63E 24 4.1b,3.8b
SOME V 25 05 24 34.9 39.62N 71.77E 0 4.1b,3.8b
NNC V 25 05 24 38.8–6.1 40.22N 71.75E 0 3.7b,3.2
ISU V 25 05 24 38.8 39.55N 71.48E 8 3.7b,3.2
ISC Event type se.
IDC Error ellipse: s-maj=17.2km s-min=15.3km az=149.0.
MOS Error ellipse: s-maj=9.4km s-min=5.9km az=76.9.
NNC Event type se. Error ellipse: s-maj=58.3km s-min=23.6km az=172.0.
ISC V 25 19 06 14.9–1.6 39.45N–.06 71.48E–.04 9–10 29 1-4
KRNET V 25 19 06 15.3–.10 39.47N 71.40E 22 2.5b ¶612039499
ISU V 25 19 06 16.4 39.52N 71.52E 9 2.5b
ISC Event type ke.
ISC V 26 19 09 18.6–.52 39.47N–.02 71.41E–.02 13–3 4.7b,3.7s 771 1-151
IDC V 26 19 09 16.5–.47 39.39N 71.51E 0 4.5,4.4b ¶610654865
BJI V 26 19 09 17.7–.00 39.50N 71.25E 24 4.7b,4.6L
MOS V 26 19 09 17.7–.99 39.41N 71.39E 14 4.8b,4.6L
SOME V 26 19 09 17.7 39.52N 71.55E 10 3.8s,4.6L
KRNET V 26 19 09 18.8–.10 39.50N 71.44E 22 4.9b,4.6L
BGR V 26 19 09 18.4 39.13N 71.77E 13 4.3b,4.6L
NNC V 26 19 09 19.3–1.4 39.59N 71.27E 0 5.0b,4.6
NEIC V 26 19 09 20.3–1.9 39.47N–.04 71.35E–.06 20–4 4.7b,4.3
NEIC V 26 19 09 22.7 39.49N 71.35E 37 4.7b,4.3
ISC Event type ke.
IDC Error ellipse: s-maj=9.2km s-min=7.1km az=153.0.
MOS Event type fe. Error ellipse: s-maj=3.9km s-min=3.2km az=80.2. Felt (IV) at Karamyk, Kara-Teyit; (III-IV) at Shibee; (III) at Korgon, Kulchu, Chak. Moment Tensor Solution.
BGR Event type ke.
NNC Event type se. Error ellipse: s-maj=14.2km s-min=7.4km az=166.0.
NEIC Event type se. Error ellipse: s-maj=6.7km s-min=6.2km az=101.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}2.64 $M_{\theta\theta}$-0.30 $M_{\phi\phi}$-2.34 $M_{r\theta}$-0.90 $M_{\theta\phi}$-1.71 $M_{\phi r}$-0.22 NP1:ϕ_s12.97000°,δ41.49000°,λ64.71000°. NP2:ϕ_s225.21000°,δ53.21000°,λ110.70000°. Principal axes: T 2.9040,Plg72.0000°,Azm191.0000°; N 0.4720,Plg16.0000°,Azm32.0000°; P -3.3759,Plg6.0000°,Azm301.0000° $M_0$3.17000×10^{15}
NEIC Event type se.
ISC V 28 23 50 01.6–.45 37.23N–.04 72.01E–.04 150 3.9b 133 2-80
IDC V 28 23 49 49.4–4.3 36.00N 72.65E 112–31 4.0,3.5b ¶610655273
BJI V 28 23 50 01.3–.00 37.24N 71.87E 181 4.7b,4.4b
MOS V 28 23 50 01.9–.93 37.25N 71.87E 166 4.1b,4.4b
NEIC V 28 23 50 03.5–2.4 37.32N–.07 71.87E–.10 168–6 4.4b,4.4b
NNC V 28 23 50 07.5–2.4 37.64N 71.86E 187–38 3.9,2.9b
ISC Event type se.
IDC Error ellipse: s-maj=47.0km s-min=16.8km az=155.0.
MOS Error ellipse: s-maj=10.2km s-min=5.3km az=79.7.
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=8.5km az=122.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=25.8km s-min=12.4km az=7.0.
ISC V 30 10 52 43.7–1.9 39.49N–.08 71.49E–.03 2–11 51 1-13
SOME V 30 10 52 43.9 39.65N 71.63E 15 ¶610655789
KRNET V 30 10 52 44.2–.10 39.55N 71.52E 13 3.5b
ISU V 30 10 52 45.6 39.57N 71.45E 9 3.5b
NNC V 30 10 52 52.4–4.5 39.99N 71.53E 0 3.7b,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=37.4km s-min=24.2km az=8.0.
ISC V 30 13 11 05.2–.97 39.47N–.04 71.67E–.03 10 76 1-6
KRNET V 30 13 11 05.4–.10 39.55N 71.65E 20 3.5b ¶610656119
ISU V 30 13 11 06.6 39.62N 71.54E 5 3.5b
SOME V 30 13 11 08.5 39.73N 71.75E 0 3.5b
NNC V 30 13 11 12.4–2.0 39.88N 71.67E 0 3.6b,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=17.5km s-min=9.7km az=173.0.
NNC VI 02 23 08 10.7–7.2 38.22N 72.06E 19–224 3.6b,3.2
¶610764449
NNC Event type se. Error ellipse: s-maj=235.2km s-min=20.8km az=5.0.
ISC VI 03 10 19 13.0–1.2 39.39N–.04 71.51E–.03 6–8 3.8b 80 0-86
IDC VI 03 10 19 11.3–1.1 39.26N 71.56E 0 3.7,3.7b ¶610758943
KRNET VI 03 10 19 12.7–.10 39.46N 71.51E 12 4.0b,3.7b
SOME VI 03 10 19 12.7 39.42N 71.50E 10 4.0b,3.7b
NNC VI 03 10 19 17.8–2.1 39.68N 71.44E 0 4.1b,3.7
ISC Event type se.
IDC Error ellipse: s-maj=21.2km s-min=14.7km az=138.0.
NNC Event type se. Error ellipse: s-maj=17.2km s-min=10.7km az=5.0.
ISC VI 04 18 35 20.5–.83 39.49N–.04 71.42E–.03 10 56 0-13
SOME VI 04 18 35 18.2 39.48N 71.58E 0 ¶610661421
KRNET VI 04 18 35 19.1–.10 39.46N 71.48E 14 3.6b
NNC VI 04 18 35 25.5–2.2 39.75N 71.59E 0 3.7b,3.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=18.5km s-min=10.5km az=1.0.
ISC VI 04 18 45 13.6–1.1 39.46N–.03 71.46E–.02 0–8 3.9b 134 0-78
IDC VI 04 18 45 13.9–1.8 39.37N 71.46E 0 3.9,3.9b ¶610661422
SOME VI 04 18 45 13.2 39.63N 71.60E 0 3.9,3.9b
KRNET VI 04 18 45 13.9–.10 39.46N 71.47E 14 4.1b,3.9b
MOS VI 04 18 45 14.4–.96 39.41N 71.48E 13 4.1b,3.9b
NNC VI 04 18 45 19.8–2.3 39.78N 71.58E 0 4.1b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=27.4km s-min=11.5km az=157.0.
MOS Error ellipse: s-maj=9.1km s-min=5.7km az=74.9.
NNC Event type se. Error ellipse: s-maj=19.0km s-min=10.2km az=7.0.
ISC VI 04 20 24 41.9–.77 37.45N–.07 72.10E–.07 130 3.7b 50 5-84
IDC VI 04 20 24 20.0–1.3 36.25N 72.62E 0 3.9,3.9b ¶610760917
SOME VI 04 20 24 39.9 38.60N 72.27E 5 3.9,3.9b
NNC VI 04 20 24 47.1–3.1 37.90N 71.83E 156–39 3.8,3.1b
ISC Event type se.
IDC Error ellipse: s-maj=26.2km s-min=21.0km az=164.0.
NNC Event type se. Error ellipse: s-maj=28.7km s-min=16.8km az=21.0.
ISC VI 06 03 25 23.8–1.3 39.07N–.05 70.91E–.03 3–8 3.6b 59 0-79
SOME VI 06 03 25 19.5 39.10N 71.48E 10 3.6b ¶610664107
IDC VI 06 03 25 20.0–2.6 38.60N 71.20E 0 3.8,3.8b
KRNET VI 06 03 25 23.2–.10 39.02N 70.92E 14 4.0b,3.8b
NNC VI 06 03 25 31.0–7.1 39.56N 71.89E 0 4.2b,3.7
ISC Event type se.
IDC Error ellipse: s-maj=42.0km s-min=14.8km az=155.0.
NNC Event type se. Error ellipse: s-maj=61.1km s-min=38.7km az=168.0.
ISC VI 06 12 22 17.0–1.4 39.41N–.05 71.55E–.04 2–11 44 0-15
KRNET VI 06 12 22 17.2–.10 39.38N 71.67E 18 3.5b ¶610664216
SOME VI 06 12 22 18.2 39.63N 71.47E 5 3.5b
NNC VI 06 12 22 20.6–4.0 39.37N 70.73E 0 3.7b,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=35.9km s-min=33.4km az=90.0.
ISC VI 06 21 31 10.7–1.0 40.02N–.03 71.71E–.03 10–9 42 0-5
ISU VI 06 21 31 11.4 40.07N 71.64E 5 ¶612088677
KRNET VI 06 21 31 11.2–.10 40.03N 71.68E 16 2.6b
NNC VI 06 21 31 13.0–1.3 40.16N 71.75E 0 3.6,3.5b
SOME VI 06 21 31 12.1 40.15N 71.65E 15 3.6,3.5b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=9.3km s-min=4.5km az=4.0.
ISC VI 07 22 52 41.3–2.3 38.6N–.20 68.88E–.10 10 21 5-54
IDC VI 07 22 52 37.9–8.2 37.72N 69.42E 60–65 3.6,3.6b ¶610791426
NNC VI 07 22 52 44.3–3.5 38.87N 68.89E 0 3.8b,3.4
ISC Event type se.
IDC Error ellipse: s-maj=89.6km s-min=45.3km az=160.0.
NNC Event type se. Error ellipse: s-maj=34.5km s-min=20.1km az=137.0.
ISC VI 08 00 48 10.5–.75 39.07N–.05 70.74E–.03 10 3.4b 53 0-84
KRNET VI 08 00 48 08.9–.10 39.03N 70.78E 12 3.5b ¶610758964
SOME VI 08 00 48 09.4 39.30N 71.17E 0 3.5b
IDC VI 08 00 48 09.5–1.5 38.86N 70.69E 0 3.5,3.5b
NNC VI 08 00 48 13.3–3.2 38.75N 70.60E 133–52 3.5,2.9b
ISC Event type se.
IDC Error ellipse: s-maj=34.8km s-min=20.4km az=158.0.
NNC Event type se. Error ellipse: s-maj=38.7km s-min=10.9km az=33.0.
SOME VI 08 01 39 47.8 38.30N 72.30E 0
¶612088732
ISC VI 09 08 59 25.2–1.2 39.42N–.04 71.55E–.02 16–10 61 0-6
KRNET VI 09 08 59 26.5–.10 39.45N 71.48E 14 3.2b ¶610668160
ISU VI 09 08 59 30.6 39.57N 71.86E 26 3.2b
SOME VI 09 08 59 31.5 39.75N 71.52E 10 3.2b
NNC VI 09 08 59 33.5–1.3 39.80N 71.54E 0 3.9b,3.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=9.7km s-min=4.9km az=3.0.
ISC VI 10 04 51 54.9–1.4 39.33N–.05 71.76E–.04 4–8 3.5b 48 0-83
IDC VI 10 04 51 53.3–1.3 39.09N 71.93E 0 3.6,3.5b ¶610669151
KRNET VI 10 04 51 55.4–.10 39.38N 71.72E 22 3.8b,3.5b
NNC VI 10 04 52 08.7–4.4 40.47N 72.46E 0 3.8b,3.4
ISC Event type se.
IDC Error ellipse: s-maj=20.7km s-min=17.3km az=141.0.
NNC Event type se. Error ellipse: s-maj=35.8km s-min=23.8km az=154.0.
ISC VI 10 21 41 55.7–.64 40.23N–.02 71.06E–.02 17–4 3.7b 272 0-86
ISU VI 10 21 41 53.7 40.21N 71.03E 13 3.7b ¶610669515
IDC VI 10 21 41 53.3–.95 40.20N 71.08E 0 3.8,3.6b
KRNET VI 10 21 41 55.9–.10 40.23N 71.02E 20 4.2b,3.6b
MOS VI 10 21 41 55.0–1.3 40.24N 70.94E 15 4.4b,3.6b
NEIC VI 10 21 41 56.6–2.4 40.22N–.03 71.08E–.07 9–5 4.3b,3.6b
SOME VI 10 21 41 57.4 40.37N 71.12E 15 4.3b,3.6b
NNC VI 10 21 41 58.5–2.0 40.38N 71.07E 21–9 4.4b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=16.3km s-min=9.9km az=161.0.
MOS Error ellipse: s-maj=7.2km s-min=4.3km az=64.7.
NEIC Event type se. Error ellipse: s-maj=7.7km s-min=4.0km az=78.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=15.2km s-min=6.2km az=13.0.
ISC VI 13 04 28 25.3–.46 38.08N–.04 72.80E–.05 127 4.1b 149 2-80
IDC VI 13 04 28 21.9–4.3 37.95N 72.70E 83–30 4.0,3.5b ¶610671749
SOME VI 13 04 28 24.8 39.08N 72.35E 5 4.0,3.5b
MOS VI 13 04 28 25.5–.92 38.23N 72.71E 123 4.1b,3.5b
NEIC VI 13 04 28 26.3–1.9 38.23N–.04 72.6E–.10 131–8 4.5b,3.5b
NNC VI 13 04 28 32.3–9.7 38.99N 73.19E 0 4.5b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=47.2km s-min=20.5km az=150.0.
MOS Error ellipse: s-maj=8.1km s-min=4.0km az=77.7.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=5.6km az=104.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=99.9km s-min=60.4km az=14.0.
ISC VI 13 06 01 19.8–.97 39.35N–.05 71.45E–.03 10 31 0-5
KRNET VI 13 06 01 18.6–.10 39.41N 71.45E 14 2.9b ¶612088935
SOME VI 13 06 01 25.2 39.75N 71.72E 10 2.9b
NNC VI 13 06 01 39.3–8.4 40.30N 71.86E 0 3.6b,3.1
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=65.8km s-min=37.2km az=20.0.
ISC VI 14 08 13 35.9–.64 38.51N–.06 69.62E–.05 12 3.6b 42 4-86
SOME VI 14 08 13 38.5 38.72N 69.87E 0 3.8s ¶610760944
IDC VI 14 08 13 39.1–3.5 38.60N 69.64E 34–27 3.7,3.4b
NNC VI 14 08 13 43.4–3.8 39.00N 69.11E 1–17 4.5b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=24.9km s-min=12.2km az=180.0.
NNC Event type se. Error ellipse: s-maj=27.1km s-min=21.9km az=42.0.
ISC VI 14 20 20 50.0–1.1 39.58N–.03 71.53E–.03 4–9 3.9s,3.7b 68 0-68
KRNET VI 14 20 20 50.8–.10 39.43N 71.49E 16 3.5b,3.7b ¶610791890
SOME VI 14 20 20 50.1 39.43N 71.68E 5 3.5b,3.7b
IDC VI 14 20 20 52.9–2.1 39.60N 71.39E 0 3.9s,3.7b
NNC VI 14 20 20 53.9–3.1 39.60N 71.57E 10–17 3.7b,3.5
ISC Event type se.
IDC Error ellipse: s-maj=49.7km s-min=14.1km az=144.0.
NNC Event type se. Error ellipse: s-maj=22.5km s-min=13.0km az=9.0.
ISC VI 15 06 03 46.9–.83 39.60N–.03 71.60E–.02 10 77 0-13
SOME VI 15 06 03 45.0 40.12N 71.02E 0 ¶610674316
KRNET VI 15 06 03 45.9–.10 39.58N 71.61E 3.4b
ISU VI 15 06 03 48.3 39.57N 71.60E 14 3.4b
ISC Event type ke.
ISC VI 16 15 04 26.5–1.4 40.58N–.04 70.31E–.06 6–13 21 1-3
SOME VI 16 15 04 25.2 40.58N 70.38E 0 ¶612089108
NNC VI 16 15 04 26.5–3.4 40.57N 70.36E 0 3.7,3.6b
KRNET VI 16 15 04 26.1–.10 40.74N 70.02E 2.5b,3.6b
ISC Event type se.

NNC Event type se. Error ellipse: s-maj=25.9km s-min=17.6km az=37.0.
NNC VI 17 01 45 31.5–5.4 38.59N 68.42E 2–19 3.8b,3.5
¶612089122
NNC Event type se. Error ellipse: s-maj=41.2km s-min=30.1km az=148.0.
ISC VI 18 15 48 22.1–.52 37.30N–.05 72.03E–.07 200 4.0b 88 2-76
SOME VI 18 15 48 19.5 38.27N 72.08E 10 4.0b ¶610792129
NEIC VI 18 15 48 22.5–1.1 37.36N–.06 72.0E–.10 191–7 4.2b
IDC VI 18 15 48 26.3–4.9 37.65N 71.86E 207–31 4.1,3.4b
NNC VI 18 15 48 29.8–6.1 37.96N 71.91E 228–46 3.5,2.8b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=9.3km az=91.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=48.3km s-min=23.7km az=168.0.
NNC Event type se. Error ellipse: s-maj=65.9km s-min=48.9km az=50.0.
ISC VI 21 02 59 43.0–.94 39.50N–.04 71.51E–.03 8–6 3.8b 76 0-86
IDC VI 21 02 59 42.1–1.1 39.30N 71.50E 0 3.7,3.7b ¶610686650
KRNET VI 21 02 59 42.2–.10 39.44N 71.51E 18 3.7b,3.7b
NNC VI 21 02 59 49.3–2.7 39.64N 71.59E 0 3.8b,3.5
SOME VI 21 02 59 50.6 39.78N 71.78E 5 3.8b,3.5
ISC Event type se.
IDC Error ellipse: s-maj=20.7km s-min=13.8km az=134.0.
NNC Event type se. Error ellipse: s-maj=20.1km s-min=12.2km az=12.0.
ISC VI 21 06 03 00.9–1.2 39.85N–.03 69.33E–.03 17–10 25 1-12
KRNET VI 21 06 03 00.6–.10 39.83N 69.40E 13 2.9b ¶612053671
ISU VI 21 06 03 03.6 40.06N 69.40E 5 2.9b
NNC VI 21 06 03 03.0–10 40.20N 69.21E 0 2.9b,2.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=110.8km s-min=40.9km az=6.0.
ISC VI 21 10 08 50.1–1.2 38.27N–.10 72.9E–.10 100 3.4b 18 4-82
IDC VI 21 10 08 50.0–5.3 38.25N 73.13E 103–43 3.8,3.4b ¶610789204
SOME VI 21 10 08 50.6 39.32N 72.73E 0 3.8,3.4b
NNC VI 21 10 08 51.5–11 38.73N 72.41E 0 3.5b,3.4
ISC Event type se.
IDC Error ellipse: s-maj=38.2km s-min=31.4km az=27.0.
NNC Event type se. Error ellipse: s-maj=88.5km s-min=79.1km az=176.0.
ISC VI 22 13 00 04.8–.78 39.14N–.05 71.41E–.03 10 3.8b 48 0-83
IDC VI 22 13 00 02.8–1.4 39.03N 71.55E 0 3.8b,3.7 ¶610789273
SOME VI 22 13 00 03.1 39.28N 71.73E 5 3.8b,3.7
KRNET VI 22 13 00 03.7–.10 39.21N 71.34E 11 3.6b,3.7
NNC VI 22 13 00 16.3–5.7 39.80N 71.73E 0 3.9b,3.3
ISC Event type se.
IDC Error ellipse: s-maj=27.3km s-min=15.3km az=140.0.
NNC Event type se. Error ellipse: s-maj=52.8km s-min=29.3km az=172.0.
ISC VI 23 06 31 44.1–3.3 38.1N–.20 72.51E–.09 10 21 4-16
NNC VI 23 06 31 49.6–5.5 38.41N 72.39E 0 3.7b,3.2 ¶610759031
SOME VI 23 06 31 55.2 39.48N 72.42E 0 3.7b,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=42.5km s-min=30.6km az=164.0.
ISC VI 25 07 48 52.6–1.2 39.18N–.06 71.40E–.04 10 29 0-4
KRNET VI 25 07 48 50.9–.10 39.20N 71.38E 11 3.0b ¶612053862
NNC VI 25 07 48 53.0–4.4 39.12N 71.28E 0 3.6b,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=31.5km s-min=19.4km az=4.0.
ISC VI 26 18 40 49.1–3.2 39.3N–.20 71.61E–.05 10 21 3-15
SOME VI 26 18 40 50.8 39.37N 72.12E 5 ¶612053940
NNC VI 26 18 40 53.5–4.0 39.11N 70.43E 3–19 3.6b,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=26.8km s-min=14.5km az=178.0.
ISC VI 26 23 50 55.3–.94 39.98N–.03 70.97E–.04 16–7 25 0-5
SOME VI 26 23 50 53.8 40.08N 71.08E 0 ¶612097914
ISU VI 26 23 50 54.9 40.04N 70.99E 23
KRNET VI 26 23 50 55.2–.10 40.02N 71.03E 21 2.5b
ISC Event type ke.
ISC VI 28 10 43 48.3–2.1 37.3N–.20 72.2E–.20 200 12 5-67
IDC VI 28 10 43 44.3–12 36.93N 72.37E 183–122 3.8,3.2b ¶610789635
SOME VI 28 10 43 46.4 38.32N 72.32E 0 3.8,3.2b
NNC VI 28 10 43 52.5–6.2 37.77N 71.90E 0 3.7b,3.3
ISC Event type se.
IDC Error ellipse: s-maj=84.5km s-min=55.2km az=150.0.
NNC Event type se. Error ellipse: s-maj=56.7km s-min=48.2km az=70.0.
ISC VI 29 03 30 08.9–2.9 39.1N–.20 71.5E–.10 10 9 3-13
NNC VI 29 03 29 49.8–6.4 37.60N 71.55E 0 3.7b,3.3 ¶612054052
SOME VI 29 03 30 12.3 39.38N 71.55E 15 3.7b,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=69.8km s-min=40.2km az=134.0.
ISC VI 29 03 44 01.4–1.8 37.3N–.10 72.3E–.10 150 14 5-67
IDC VI 29 03 44 04.6–6.6 37.54N 72.05E 184–55 3.7,3.3b ¶610789693
NNC VI 29 03 44 09.8–3.8 38.00N 71.93E 0 3.6b,3.5
ISC Event type se.
IDC Error ellipse: s-maj=85.8km s-min=40.7km az=142.0.
NNC Event type se. Error ellipse: s-maj=35.7km s-min=26.6km az=133.0.
ISC VI 30 12 03 39.5–1.2 40.95N–.03 70.19E–.05 15–10 30 1-5
ISU VI 30 12 03 33.2 39.95N 69.44E 28 ¶612054117
KRNET VI 30 12 03 33.4–.10 41.16N 69.72E 10 2.9b
NNC VI 30 12 03 38.4–2.7 40.84N 70.26E 0 3.4b,3.1
SOME VI 30 12 03 38.3 40.83N 70.12E 20 3.4b,3.1
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=20.7km s-min=10.5km az=39.0.

(716) Kyrgyzstan.

ISC I 03 14 19 40.7–1.1 39.17N–.03 72.33E–.02 16–6 4.4b 282 1-123
IDC I 03 14 19 37.7–.71 39.12N 72.51E 0 4.0,3.9b ¶609967132
MOS I 03 14 19 38.6–1.7 39.20N 72.34E 46 4.3b,3.9b
NNC I 03 14 19 40.3–1.2 39.17N 72.32E 0 4.5b,4.3
KRNET I 03 14 19 42.7–.10 39.42N 72.25E 14 4.4b,4.3
SOME I 03 14 19 42.2 39.55N 72.28E 10 4.4b,4.3
BJI I 03 14 19 42.4–.00 39.36N 72.32E 46 4.5b,4.1b
NEIC I 03 14 19 45.1–2.0 39.27N–.04 72.35E–.06 42–6 4.5b,4.1b
ISC Event type se.
NNC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 05 15 10 17.8–1.1 42.95N–.03 72.85E–.02 4–9 141 0-47
SOME I 05 15 10 18.7 43.02N 72.85E 10 ¶609997968
IDC I 05 15 10 18.4–2.6 42.72N 73.05E 0 3.8s,3.6
NNC I 05 15 10 19.3–.67 43.10N 72.87E 0–3 4.0b,3.7
KRNET I 05 15 10 19.0–.10 42.95N 72.82E 35 3.6b,3.7
KNET I 05 15 10 19.6–.52 42.96N 72.85E 21–4 2.9L,3.7
ISC Event type se.
IDC Error ellipse: s-maj=70.1km s-min=17.3km az=155.0.
NNC Event type se. Error ellipse: s-maj=5.5km s-min=3.8km az=1.0.
KNET Error ellipse: s-maj=3.1km s-min=2.8km az=130.0.
ISC I 06 18 13 44.1–1.2 40.89N–.03 73.78E–.02 1–10 128 1-10
SOME I 06 18 13 45.5 41.02N 73.63E 5 ¶610038895
NNC I 06 18 13 45.7–.81 40.95N 73.63E 0 3.8b,3.5
KRNET I 06 18 13 45.1–.10 40.92N 73.62E 16 3.4b,3.5
KNET I 06 18 13 47.9–.35 41.08N 73.82E 0 2.8L,3.5
ISU I 06 18 13 49.4 40.99N 73.68E 1 2.8L,3.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=6.7km s-min=3.1km az=173.0.
KNET Error ellipse: s-maj=2.6km s-min=2.2km az=38.0.
ISC I 07 12 50 36.6–1.2 41.64N–.03 73.17E–.02 7–10 105 1-10
KRNET I 07 12 50 36.9–.10 41.61N 73.17E 23 3.7b ¶610049663
NNC I 07 12 50 36.7–.81 41.65N 73.09E 0 4.2b,3.9
SOME I 07 12 50 36.5 41.58N 73.17E 15 4.2b,3.9
KNET I 07 12 50 39.0–.48 41.69N 73.33E 7–2 3.1L,3.9
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=7.6km s-min=3.5km az=171.0.
KNET Error ellipse: s-maj=3.9km s-min=2.8km az=127.0.
ISC I 08 10 41 24.1–1.1 42.33N–.03 73.19E–.02 3–9 92 0-12
SOME I 08 10 41 24.0 42.27N 73.20E 15 ¶610049675
KRNET I 08 10 41 24.2–.10 42.29N 73.21E 20 3.3b
KNET I 08 10 41 25.7–.33 42.30N 73.34E 13–1 2.5L
NNC I 08 10 41 27.8–3.1 42.73N 73.20E 0 3.5b,3.3
ISC Event type se.
KNET Error ellipse: s-maj=2.2km s-min=1.6km az=55.0.
NNC Event type se. Error ellipse: s-maj=57.4km s-min=17.9km az=0.0.
ISC I 12 10 49 23.9–1.2 41.08N–.03 70.29E–.05 25–13 17 0-3
ISU I 12 10 49 19.8 41.53N 70.96E 26 ¶612033021
KRNET I 12 10 49 23.0–.10 41.05N 70.28E 10 2.6b
ISC Event type ke.
ISC I 15 09 37 33.8–1.4 40.26N–.04 73.01E–.03 9–13 59 0-5
KRNET I 15 09 37 35.8–.10 40.28N 72.89E 13 3.2b ¶610147497
SOME I 15 09 37 39.3 40.52N 72.92E 10 3.2b
KNET I 15 09 37 40.7–.43 40.53N 73.21E 3–2 2.5L
NNC I 15 09 37 45.9–2.0 40.55N 72.94E 0 3.5b,3.2
ISC Event type se.
KNET Error ellipse: s-maj=4.8km s-min=2.7km az=100.0.
NNC Event type se. Error ellipse: s-maj=19.9km s-min=10.3km az=160.0.
ISC I 16 02 24 47.4–1.1 41.21N–.02 72.99E–.02 1–9 4.0b 166 1-67
IDC I 16 02 24 46.1–2.0 41.00N 73.05E 0 3.2,2.7L ¶610095176
KRNET I 16 02 24 47.8–.10 41.22N 72.93E 16 3.8b,2.7L
SOME I 16 02 24 48.3 41.20N 72.97E 15 3.8b,2.7L
NNC I 16 02 24 49.6–.55 41.30N 72.97E 0 4.2b,3.9
MOS I 16 02 24 49.1–1.2 41.23N 72.87E 14 4.1b,3.9
KNET I 16 02 24 50.5–.41 41.32N 73.00E 8–2 3.3L,3.9
ISC Event type se.
IDC Error ellipse: s-maj=39.7km s-min=17.3km az=138.0.
NNC Event type se. Error ellipse: s-maj=4.8km s-min=2.2km az=177.0.
MOS Error ellipse: s-maj=9.0km s-min=5.2km az=65.6.
KNET Error ellipse: s-maj=4.7km s-min=2.1km az=108.0.
ISC I 17 10 45 57.5–.90 41.05N–.03 70.17E–.04 10 20 1-4
KRNET I 17 10 45 57.1–.10 41.08N 70.13E 12 3.0b ¶612033210
NNC I 17 10 45 57.2–2.1 40.82N 70.54E 0 3.6b,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=19.4km s-min=13.7km az=78.0.
ISC I 17 19 38 04.2–1.1 41.28N–.02 72.44E–.02 19–3 109 1-5
SOME I 17 19 38 00.9 41.05N 72.55E 5 ¶610148223
KRNET I 17 19 38 03.4–.10 41.24N 72.43E 19 3.3b
KNET I 17 19 38 05.6–.34 41.41N 72.52E 0–1 2.9L
ISU I 17 19 38 05.6 41.32N 72.61E 30 2.9L
NNC I 17 19 38 09.4–1.1 41.48N 72.59E 0 3.7b,3.4
ISC Event type se.
KNET Error ellipse: s-maj=4.2km s-min=2.2km az=136.0.
NNC Event type se. Error ellipse: s-maj=13.1km s-min=3.4km az=15.0.
KNET I 18 21 29 54.7–.31 42.70N 74.44E 16–3 0.9L
SOME I 18 21 30 14.3 42.32N 81.00E 10 0.9L ¶610159881
KNET Error ellipse: s-maj=3.2km s-min=2.1km az=127.0.
ISC I 21 08 28 33.9–.85 41.65N–.03 70.08E–.03 10 21 0-3
ISU I 21 08 28 33.5 41.58N 69.98E 5 ¶612033403
SOME I 21 08 28 34.6 41.70N 70.13E 0
KRNET I 21 08 28 35.9–.10 41.68N 70.27E 12 2.5b
ISC Event type ke.
ISC I 21 11 24 51.8–1.1 41.77N–.02 72.78E–.02 5–9 132 1-7
SOME I 21 11 24 52.4 41.68N 72.85E 15 ¶610159891
KRNET I 21 11 24 52.6–.10 41.75N 72.77E 24 3.5b
NNC I 21 11 24 52.4–1.2 41.82N 72.66E 0 4.2b,3.9
ISU I 21 11 24 53.3 41.68N 72.76E 23 4.2b,3.9
KNET I 21 11 24 55.0–.43 41.83N 72.93E 8–2 3.3L,3.9
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=8.7km s-min=7.0km az=9.0.
KNET Error ellipse: s-maj=4.1km s-min=2.4km az=165.0.
ISC I 22 11 44 48.8–1.9 41.1N–.20 71.5E–.20 35 5 2-16
IDC I 22 11 44 48.1–3.4 40.83N 71.89E 175–51 3.5 ¶610235106
ISC Event type ke.
IDC Error ellipse: s-maj=81.2km s-min=26.1km az=150.0.
ISC I 23 01 40 49.8–.49 40.15N–.02 72.10E–.02 12–3 4.4b,3.1s 338 0-86
MOS I 23 01 40 49.9–1.1 40.01N 71.91E 21 4.4b,3.1s ¶610105264
KRNET I 23 01 40 50.4–.10 40.03N 72.04E 24 4.7b,3.1s
IDC I 23 01 40 50.8–.94 40.01N 72.05E 20–4 3.9,3.7b
ISU I 23 01 40 50.6 40.09N 71.87E 24 3.9,3.7b
NEIC I 23 01 40 52.0–1.4 40.19N–.05 71.96E–.07 21–5 4.5b,3.7b
SOME I 23 01 40 51.6 40.13N 72.05E 15 3.6s,3.7b
NNC I 23 01 40 52.8–1.2 40.23N 71.97E 10–6 5.0b,4.8
BJI I 23 01 40 53.0–.00 40.16N 71.98E 49 4.6b,4.1
ISC Event type se.
MOS Event type fe. Error ellipse: s-maj=5.6km s-min=4.0km az=69.0. Felt (IV-V) at Karool; (IV) at Maydan; (III) at Tamasha; (II-III) at Kadamjay, Kyzyl-Kiya, Osh. Moment Tensor Solution.
IDC Error ellipse: s-maj=14.3km s-min=9.8km az=149.0.
NEIC Event type se. Error ellipse: s-maj=8.2km s-min=7.5km az=110.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=9.8km s-min=4.6km az=2.0.
ISC I 24 17 04 53.5–1.1 42.37N–.03 73.25E–.02 5–10 77 0-4
SOME I 24 17 04 54.9 42.37N 73.33E 10 ¶610159905
KRNET I 24 17 04 54.1–.10 42.34N 73.32E 18 2.4b
KNET I 24 17 04 55.6–.36 42.35N 73.45E 14–1 1.6L
NNC I 24 17 04 55.1–.48 42.39N 73.33E 0 3.3b,2.9
ISC Event type se.
KNET Error ellipse: s-maj=2.8km s-min=1.5km az=88.0.
NNC Event type se. Error ellipse: s-maj=3.9km s-min=2.2km az=4.0.
ISC I 27 01 25 44.6–1.2 40.88N–.03 73.65E–.03 5–13 87 1-5
SOME I 27 01 25 42.5 40.78N 73.63E 5 ¶610159921
ISU I 27 01 25 43.0 40.69N 73.70E 4
NNC I 27 01 25 44.1–.41 40.84N 73.67E 0 3.6b,3.3
KRNET I 27 01 25 45.0–.10 40.90N 73.64E 18 2.8b,3.3
KNET I 27 01 25 47.0–.54 41.02N 73.79E 3–2 2.2L,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=3.5km s-min=1.7km az=172.0.
KNET Error ellipse: s-maj=5.5km s-min=3.2km az=111.0.
ISC I 31 15 04 59.6–1.1 41.57N–.03 74.40E–.02 7–10 102 0-5
SOME I 31 15 05 00.6 41.63N 74.43E 15 ¶610159184
KRNET I 31 15 05 00.7–.10 41.64N 74.45E 17 3.1b
KNET I 31 15 05 00.9–.84 41.67N 74.49E 14–5 2.2L
NNC I 31 15 05 02.4–.99 41.70N 74.46E 0 3.8b,3.5
ISC Event type se.
KNET Error ellipse: s-maj=5.0km s-min=4.2km az=4.0.
NNC Event type se. Error ellipse: s-maj=6.9km s-min=4.7km az=177.0.
ISC II 02 13 47 37.6–1.1 41.83N–.05 72.81E–.03 13–10 29 1-2
KRNET II 02 13 47 37.7–.10 41.82N 72.81E 18 3.1b ¶610247217
KNET II 02 13 47 39.4–.20 41.82N 72.96E 15–0 2.4L
ISC Event type ke.
KNET Error ellipse: s-maj=2.5km s-min=1.5km az=156.0.
ISC II 07 02 18 12.7–.86 41.77N–.02 71.66E–.02 15–6 4.0b,3.3s 239 0-87
IDC II 07 02 18 09.3–.77 41.59N 71.62E 0 3.8,3.8b ¶610198714
ISU II 07 02 18 11.7 41.79N 71.60E 16 3.8,3.8b
SOME II 07 02 18 12.7 41.77N 71.72E 10 3.3s,3.8b
KRNET II 07 02 18 12.2–.10 41.73N 71.68E 16 4.5b,3.8b
KNET II 07 02 18 13.3–.44 41.71N 71.88E 6–3 4.1L,3.8b
NNC II 07 02 18 15.0–.63 41.97N 71.78E 0 4.5b,4.2
NEIC II 07 02 18 17.1–1.4 41.82N–.05 71.56E–.07 40–7 4.5b,4.2
ISC Event type se.
NNC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 07 08 07 37.5–1.1 42.25N–.04 72.55E–.02 10–12 32 1-3
SOME II 07 08 07 37.5 42.23N 72.53E 10 ¶612084803
KRNET II 07 08 07 37.4–.10 42.27N 72.50E 20 2.3b
NNC II 07 08 07 38.9–1.2 42.33N 72.54E 0 3.1b,2.9
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=13.6km s-min=4.2km az=170.0.

ISC II 09 06 33 10.3–1.1 41.66N–.03 74.45E–.02 10–8 114 0-5
KRNET II 09 06 33 09.7–.10 41.63N 74.43E 20 3.1b ¶610205763
SOME II 09 06 33 10.3 41.67N 74.43E 10 3.1b
NNC II 09 06 33 10.3–.98 41.64N 74.42E 0 3.7b,3.4
KNET II 09 06 33 10.6–.71 41.71N 74.45E 16–4 2.1L,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=7.5km s-min=3.4km az=179.0.
KNET Error ellipse: s-maj=5.6km s-min=2.8km az=11.0.
ISC II 10 05 41 16.4–1.1 42.80N–.03 71.17E–.02 2–12 67 1-4
KRNET II 10 05 41 16.2–.10 42.81N 71.16E 16 2.6b ¶612084986
SOME II 10 05 41 16.8 42.77N 71.13E 10 2.6b
NNC II 10 05 41 19.5–1.8 42.71N 70.80E 0 3.2b,2.8
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=19.1km s-min=4.1km az=34.0.
ISC II 10 07 58 57.5–1.5 42.11N–.07 73.40E–.04 10 17 0-3
SOME II 10 07 58 56.4 42.12N 73.37E 5 ¶612084995
NNC II 10 07 58 57.0–.70 42.10N 73.40E 0 2.9b,2.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=7.5km s-min=3.5km az=4.0.
ISC II 11 11 44 16.5–1.3 41.00N–.03 70.08E–.03 2–11 33 1-5
ISU II 11 11 44 13.3 40.86N 69.66E 21 ¶612085082
NNC II 11 11 44 14.3–2.7 40.91N 70.06E 0 3.0b,2.7
SOME II 11 11 44 16.3 40.93N 70.22E 10 3.0b,2.7
KRNET II 11 11 44 17.2–.10 41.02N 70.26E 14 3.0b,2.7
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=20.6km s-min=9.4km az=24.0.
NNC II 14 07 02 32.1–.76 42.50N 72.96E 0 2.6,2.6b
SOME II 14 07 02 31.3 42.52N 72.88E 5 2.6,2.6b ¶612085261
NNC Event type se. Error ellipse: s-maj=9.4km s-min=3.4km az=170.0.
ISC II 15 22 57 40.8–.89 40.62N–.02 72.41E–.02 18–2 91 0-12
SOME II 15 22 57 38.5 40.70N 72.28E 5 ¶610216931
KRNET II 15 22 57 40.0–.10 40.61N 72.42E 35 3.6b
ISU II 15 22 57 40.6 40.70N 72.32E 10 3.6b
NNC II 15 22 57 44.3–.91 40.92N 72.38E 0 3.7b,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=8.4km s-min=3.2km az=176.0.
ISU II 17 00 04 54.4 40.66N 72.39E 16
KRNET II 17 00 04 59.0–.10 42.31N 71.69E 15 2.4b ¶612114784
ISC II 19 16 01 33.6–1.1 41.05N–.02 72.45E–.03 4–12 33 0-3
KRNET II 19 16 01 34.1–.10 41.05N 72.44E 16 2.5b ¶612085656
ISU II 19 16 01 37.7 41.05N 72.46E 15 2.5b
ISC Event type ke.
ISC II 19 23 27 36.5–1.2 42.19N–.04 71.55E–.03 10–10 37 0-4
KRNET II 19 23 27 36.7–.10 42.22N 71.56E 13 2.4b ¶612085665
NNC II 19 23 27 36.6–4.0 42.16N 71.48E 17–30 2.9b,2.6
SOME II 19 23 27 37.5 42.18N 71.60E 10 2.9b,2.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=42.6km s-min=13.1km az=23.0.
ISC II 21 01 27 06.5–1.5 41.17N–.04 74.81E–.02 2–12 105 1-10
NNC II 21 01 27 05.6–.90 41.11N 74.83E 0 3.7b,3.5 ¶610246671
SOME II 21 01 27 05.8 41.18N 74.80E 5 3.7b,3.5
KRNET II 21 01 27 05.0–.10 41.12N 74.79E 16 3.0b,3.5
KNET II 21 01 27 06.3–.59 41.21N 74.85E 0 2.4L,3.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=6.7km s-min=3.4km az=178.0.
KNET Error ellipse: s-maj=4.1km s-min=3.9km az=93.0.
ISC II 23 12 03 40.5–1.1 41.18N–.04 70.96E–.10 15–14 11 0-2
KRNET II 23 12 03 40.6–.10 41.20N 70.86E 11 2.5b ¶612085911
ISC Event type ke.
ISC II 25 23 19 03.1–2.7 39.3N–.20 72.27E–.07 10 18 3-15
SOME II 25 23 18 56.8 39.28N 72.55E 5 ¶612086050
NNC II 25 23 19 02.2–6.4 39.19N 72.35E 0 3.5b,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=51.1km s-min=30.2km az=171.0.
ISC II 28 09 51 02.8–1.2 41.22N–.05 69.87E–.04 6–19 13 0-5
KRNET II 28 09 51 02.8–.10 41.23N 69.86E 11 2.7b ¶612086266
SOME II 28 09 51 05.4 40.77N 70.33E 5 2.7b
NNC II 28 09 51 07.5–3.8 40.81N 70.31E 0 2.5b,2.1
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=35.1km s-min=15.8km az=12.0.
ISC III 01 09 29 46.5–.96 41.02N–.03 69.75E–.04 10 42 0-5
ISU III 01 09 29 42.5 41.35N 69.20E 29 ¶612086340
SOME III 01 09 29 43.1 40.88N 69.83E 5
NNC III 01 09 29 44.2–2.4 40.85N 69.89E 0 3.4b,3.2
KRNET III 01 09 29 46.5–.10 41.06N 69.94E 13 3.1b,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=16.8km s-min=9.1km az=42.0.
ISC III 01 16 25 19.2–1.0 42.94N–.03 74.46E–.02 14–9 55 0-3
KNET III 01 16 25 19.1–.34 42.94N 74.49E 21–3 1.1L ¶610476264
SOME III 01 16 25 19.8 42.97N 74.45E 15 1.1L
NNC III 01 16 25 19.1–.35 42.94N 74.46E 0 2.6b,2.5
ISC Event type se.
KNET Error ellipse: s-maj=2.1km s-min=1.7km az=148.0.
NNC Event type se. Error ellipse: s-maj=3.8km s-min=2.2km az=155.0.
ISC III 04 06 59 11.6–.86 41.61N–.02 71.21E–.02 13–6 48 0-4
NNC III 04 06 59 09.8–1.4 41.54N 71.21E 0 3.2,3.1b ¶612086571
SOME III 04 06 59 10.9 41.63N 71.25E 10 3.2,3.1b
KRNET III 04 06 59 10.4–.10 41.60N 71.20E 23 2.4b,3.1b
ISU III 04 06 59 11.4 41.25N 71.92E 7 2.4b,3.1b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=15.0km s-min=4.0km az=10.0.
ISC III 05 16 13 21.0–1.0 42.80N–.03 71.09E–.02 12–9 58 0-4
NNC III 05 16 13 19.7–.85 42.69N 71.04E 0 3.2b,2.9 ¶612086647
SOME III 05 16 13 20.9 42.80N 71.08E 15 3.2b,2.9
KRNET III 05 16 13 21.2–.10 42.80N 71.08E 25 2.4b,2.9
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=6.2km s-min=4.9km az=47.0.
ISC III 08 14 16 58.6–1.1 41.06N–.02 73.61E–.02 12–10 111 1-5
KRNET III 08 14 16 59.0–.10 41.06N 73.59E 15 2.7b ¶610472673
ISU III 08 14 16 59.1 40.85N 73.73E 30 2.7b
SOME III 08 14 17 01.9 41.22N 73.48E 15 2.7b
NNC III 08 14 17 01.3–.95 41.19N 73.45E 0 3.5b,3.2
KNET III 08 14 17 01.5–.63 41.22N 73.54E 12–4 2.3L,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=7.1km s-min=4.2km az=179.0.
KNET Error ellipse: s-maj=6.9km s-min=3.6km az=78.0.
ISC III 09 03 42 04.5–1.0 41.79N–.05 71.74E–.03 11–8 34 0-3
KRNET III 09 03 42 03.5–.10 41.80N 71.71E 26 2.0b ¶612086840
SOME III 09 03 42 04.2 41.77N 71.80E 15 2.0b
NNC III 09 03 42 05.0–3.5 41.77N 71.72E 11–46 2.7b,2.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=39.4km s-min=12.3km az=166.0.
ISC III 11 11 08 39.4–1.2 41.01N–.03 70.06E–.03 6–10 45 0-6
SOME III 11 11 08 36.6 40.90N 70.13E 10 ¶612087022
ISU III 11 11 08 38.3 41.06N 69.45E 4
NNC III 11 11 08 38.8–5.6 40.92N 69.70E 0 3.5b,3.2
KRNET III 11 11 08 39.4–.10 41.02N 70.20E 15 3.1b,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=43.3km s-min=23.5km az=52.0.
ISC III 12 09 50 32.8–.94 41.48N–.03 70.92E–.02 13–7 36 0-4
KRNET III 12 09 50 31.8–.10 41.43N 70.93E 24 2.6b ¶612087067
ISU III 12 09 50 32.8 41.61N 70.92E 5 2.6b
SOME III 12 09 50 32.1 41.47N 70.93E 5 2.6b
NNC III 12 09 50 34.5–2.9 41.53N 70.90E 0 2.7b,2.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=26.1km s-min=8.0km az=37.0.
ISC III 14 14 40 50.3–1.1 41.17N–.02 73.56E–.02 9–9 133 1-6
KRNET III 14 14 40 50.9–.10 41.22N 73.37E 17 3.7b ¶610328644
SOME III 14 14 40 51.3 41.18N 73.43E 20 3.7b
NNC III 14 14 40 51.7–.69 41.28N 73.38E 0 4.4b,4.0
KNET III 14 14 40 53.6–.30 41.35N 73.47E 7–1 3.1L,4.0
ISU III 14 14 40 53.4 41.17N 73.41E 17 3.1L,4.0
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=5.1km s-min=3.2km az=1.0.
KNET Error ellipse: s-maj=3.4km s-min=1.9km az=93.0.
ISC III 15 01 31 49.6–1.1 40.62N–.05 73.50E–.02 13–9 118 1-6
KRNET III 15 01 31 52.3–.10 40.74N 73.24E 27 3.3b ¶610329104
NNC III 15 01 31 53.2–.75 40.82N 73.26E 0 3.8b,3.5
ISU III 15 01 31 53.4 40.65N 73.24E 20 3.8b,3.5
SOME III 15 01 31 53.5 40.88N 73.30E 10 3.8b,3.5
KNET III 15 01 31 54.5–.36 40.89N 73.31E 9–2 3.0L,3.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=5.1km s-min=3.7km az=172.0.
KNET Error ellipse: s-maj=5.5km s-min=2.2km az=90.0.
ISC III 15 05 38 15.6–1.1 39.25N–.05 72.30E–.03 10 80 1-8
KRNET III 15 05 38 17.8–.10 39.31N 72.17E 14 3.6b ¶610329171
SOME III 15 05 38 22.3 39.63N 72.00E 10 3.6b
NNC III 15 05 38 23.3–1.1 39.50N 72.39E 0 4.0b,3.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=8.6km s-min=5.3km az=4.0.
KRNET III 17 02 02 58.6–.10 41.61N 75.55E 14 2.1b
SOME III 17 02 02 58.5 41.58N 75.55E 10 2.1b ¶610472847
KNET III 17 02 03 00.2–.52 41.72N 75.53E 1–5 1.6L
NNC III 17 02 03 03.1–.39 44.27N 76.48E 170–9 2.4
KNET Error ellipse: s-maj=3.3km s-min=2.1km az=171.0.
NNC Error ellipse: s-maj=18.0km s-min=4.2km az=12.0.
ISC III 18 00 23 56.0–1.1 41.36N–.02 71.90E–.02 6–10 59 0-4
SOME III 18 00 23 55.9 41.38N 71.85E 5 ¶612087441
ISU III 18 00 23 56.4 41.28N 71.82E 4
KRNET III 18 00 23 56.1–.10 41.31N 71.89E 17 2.8b
NNC III 18 00 23 57.5–.75 41.39N 71.91E 0 3.0b,2.9
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=7.3km s-min=2.4km az=177.0.
ISC III 21 15 17 45.4–.97 41.74N–.03 70.23E–.03 9–9 51 0-20
KRNET III 21 15 17 44.3–.10 41.74N 70.25E 16 2.8b ¶612087703
SOME III 21 15 17 46.7 41.78N 70.30E 15 2.8b
ISU III 21 15 17 46.2 41.67N 70.28E 11 2.8b
ISC Event type ke.
ISC III 21 19 12 17.2–1.0 42.29N–.03 71.84E–.02 12–9 108 1-5
NNC III 21 19 12 17.0–.85 42.32N 71.72E 0 4.1b,3.8 ¶610415864
KRNET III 21 19 12 17.8–.10 42.21N 71.81E 29 3.2b,3.8
SOME III 21 19 12 18.7 42.23N 71.88E 15 3.2b,3.8
KNET III 21 19 12 20.1–.57 42.23N 71.93E 18–6 2.8L,3.8
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=11.1km s-min=3.8km az=174.0.
KNET Error ellipse: s-maj=8.8km s-min=3.0km az=22.0.
ISC III 22 23 05 07.9–1.2 41.09N–.03 73.50E–.02 3–10 129 1-6
KRNET III 22 23 05 06.9–.10 41.02N 73.53E 21 3.2b ¶610424500
ISU III 22 23 05 07.2 40.90N 73.62E 23 3.2b
KNET III 22 23 05 09.4–.76 41.15N 73.60E 13–5 2.7L
SOME III 22 23 05 09.5 41.25N 73.53E 5 2.7L
NNC III 22 23 05 12.3–5.9 40.78N 73.35E 0 4.0b,3.6
ISC Event type se.
KNET Error ellipse: s-maj=8.6km s-min=4.4km az=69.0.
NNC Event type se. Error ellipse: s-maj=58.6km s-min=16.0km az=1.0.
ISC III 24 11 13 58.9–1.1 41.07N–.04 69.73E–.05 12–14 13 0-3
KRNET III 24 11 13 58.8–.10 41.05N 69.72E 12 2.5b ¶612115223
ISC Event type ke.
ISC III 25 06 07 44.1–.89 39.69N–.04 72.51E–.03 10 77 1-15
KRNET III 25 06 07 40.3–.10 39.37N 72.69E 15 3.2b ¶610434913
SOME III 25 06 07 49.1 39.88N 72.50E 10 3.2b
NNC III 25 06 07 50.5–2.0 39.91N 72.53E 0 3.7b,3.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=16.5km s-min=7.9km az=174.0.
ISC IV 01 20 26 06.9–1.1 41.34N–.03 74.62E–.02 10–10 105 1-5
KRNET IV 01 20 26 08.8–.10 41.43N 74.61E 15 3.1b ¶610639817
NNC IV 01 20 26 08.2–1.2 41.38N 74.56E 0 3.9b,3.7
SOME IV 01 20 26 09.4 41.47N 74.58E 10 3.9b,3.7
KNET IV 01 20 26 09.5–.63 41.50N 74.60E 3–9 2.4L,3.7
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=9.4km s-min=4.8km az=171.0.
KNET Error ellipse: s-maj=4.4km s-min=3.1km az=14.0.
ISC IV 03 12 59 19.0–1.4 40.34N–.04 73.31E–.04 15–13 34 0-3
KRNET IV 03 12 59 19.7–.10 40.36N 73.30E 14 2.4b ¶612036997
ISU IV 03 12 59 20.0 40.46N 73.28E 10 2.4b
NNC IV 03 12 59 25.2–9.6 40.62N 73.21E 0 2.4b,2.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=82.5km s-min=63.8km az=136.0.
ISC IV 05 14 09 55.1–1.1 41.21N–.02 72.50E–.03 7–11 44 0-4
KRNET IV 05 14 09 54.0–.10 41.19N 72.54E 14 2.4b ¶612037135
NNC IV 05 14 09 56.0–2.1 41.15N 72.70E 0 2.7b,2.6
ISU IV 05 14 09 55.8 41.23N 72.48E 14 2.7b,2.6
SOME IV 05 14 09 55.4 41.22N 72.50E 5 2.7b,2.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=16.7km s-min=6.2km az=166.0.
ISC IV 08 09 24 25.6–1.1 40.65N–.03 73.29E–.02 9–8 132 0-77
IDC IV 08 09 24 03.7–4.5 36.98N 77.94E 0 3.4b,3.3 ¶610523726
KRNET IV 08 09 24 25.2–.10 40.56N 73.27E 30 3.8b,3.3
ISU IV 08 09 24 27.7 40.59N 73.26E 14 3.8b,3.3
SOME IV 08 09 24 27.3 40.80N 73.20E 0 3.8b,3.3
NNC IV 08 09 24 27.6–.56 40.77N 73.24E 0 4.0b,3.7
KNET IV 08 09 24 28.8–.50 40.82N 73.30E 15–4 3.4L,3.7
ISC Event type se.
IDC Error ellipse: s-maj=149.7km s-min=30.9km az=125.0.
NNC Event type se. Error ellipse: s-maj=4.0km s-min=3.0km az=172.0.
KNET Error ellipse: s-maj=6.1km s-min=3.1km az=91.0.
ISC IV 08 11 03 10.9–1.3 41.24N–.04 70.32E–.04 4–11 32 0-4
ISU IV 08 11 03 06.6 41.05N 69.83E 30 ¶612115303
KRNET IV 08 11 03 08.1–.10 41.00N 70.27E 13 2.6b
SOME IV 08 11 03 18.4 41.68N 70.68E 0 2.6b
NNC IV 08 11 03 34.1–.83 43.37N 71.26E 0 3.0b,2.1
ISC Event type ke.
NNC Error ellipse: s-maj=26.4km s-min=3.4km az=160.0.
ISC IV 08 11 47 58.6–.97 40.48N–.05 72.65E–.03 13–7 31 0-3
SOME IV 08 11 47 56.4 40.50N 72.65E 0 ¶612037291
ISU IV 08 11 47 58.6 40.53N 72.63E 10
KRNET IV 08 11 47 59.0–.10 40.50N 72.61E 18 2.8b
NNC IV 08 11 47 58.3–3.1 40.46N 72.52E 0 3.0b,2.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=24.6km s-min=12.1km az=169.0.
ISC IV 09 08 52 24.9–1.1 41.66N–.02 72.40E–.02 7–10 104 0-6
KRNET IV 09 08 52 25.8–.10 41.71N 72.30E 14 3.1b ¶610523772
SOME IV 09 08 52 26.9 41.70N 72.30E 5 3.1b
NNC IV 09 08 52 28.2–.89 41.80N 72.38E 0 3.8b,3.5
KNET IV 09 08 52 28.2–.42 41.74N 72.49E 5–2 2.8L,3.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=9.6km s-min=3.0km az=2.0.
KNET Error ellipse: s-maj=6.2km s-min=2.4km az=157.0.
ISC IV 14 05 43 01.8–.87 42.85N–.02 74.24E–.02 17–7 94 0-3
KRNET IV 14 05 43 01.9–.10 42.85N 74.23E 18 2.3b ¶610639867
KNET IV 14 05 43 01.2–.36 42.83N 74.23E 20–4 1.4L
NNC IV 14 05 43 01.7–.50 42.86N 74.23E 0 2.9b,2.6
SOME IV 14 05 43 02.0 42.85N 74.23E 10 2.9b,2.6
ISC Event type se.
KNET Error ellipse: s-maj=3.2km s-min=2.2km az=138.0.
NNC Event type se. Error ellipse: s-maj=6.1km s-min=3.2km az=154.0.
ISC IV 18 03 07 57.4–.85 42.36N–.02 74.70E–.01 13–6 132 0-4
KNET IV 18 03 07 57.1–.37 42.34N 74.74E 13–5 2.2L ¶610529787
NNC IV 18 03 07 57.7–.42 42.41N 74.68E 0 3.6b,3.4
KRNET IV 18 03 07 57.8–.10 42.34N 74.73E 16 3.1b,3.4
SOME IV 18 03 07 58.3 42.35N 74.73E 15 3.1b,3.4
ISC Event type se.

KNET Error ellipse: s-maj=3.3km s-min=2.3km az=135.0.
NNC Event type se. Error ellipse: s-maj=8.6km s-min=1.9km az=154.0.
ISC IV 20 02 12 15.0–1.4 41.21N–.04 75.26E–.02 1–10 101 1-5
KRNET IV 20 02 12 14.8–.10 41.19N 75.27E 20 3.1b **¶610544105**
SOME IV 20 02 12 15.8 41.25N 75.18E 5 3.1b
KNET IV 20 02 12 16.1–.97 41.30N 75.25E 4–5 2.6L
NNC IV 20 02 12 16.1–.57 41.23N 75.19E 0 3.6b,3.3
ISC Event type se.
KNET Error ellipse: s-maj=7.2km s-min=3.5km az=165.0.
NNC Event type se. Error ellipse: s-maj=4.1km s-min=1.8km az=171.0.
ISC V 01 10 11 24.0–1.4 41.02N–.05 69.84E–.04 9–13 15 0-5
KRNET V 01 10 11 24.1–.10 41.01N 69.80E 12 2.4b **¶612038347**
ISU V 01 10 11 25.8 40.74N 69.73E 15 2.4b
NNC V 01 10 11 28.0–4.5 41.24N 69.65E 0 2.7b,2.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=41.6km s-min=30.7km az=61.0.
ISC V 04 15 58 48.1–.95 42.26N–.02 74.81E–.01 8–8 125 0-7
KRNET V 04 15 58 47.6–.10 42.26N 74.80E 19 3.5b **¶610594272**
KNET V 04 15 58 47.2–.41 42.28N 74.79E 19–2 2.8L
SOME V 04 15 58 48.0 42.25N 74.77E 20 2.8L
NNC V 04 15 58 48.0–.45 42.35N 74.75E 0 3.9b,3.6
ISC Event type se.
KNET Error ellipse: s-maj=3.4km s-min=2.0km az=140.0.
NNC Event type se. Error ellipse: s-maj=8.1km s-min=1.9km az=156.0.
ISC V 09 01 17 33.7–.92 42.88N–.02 74.30E–.02 15–7 74 0-3
KRNET V 09 01 17 33.6–.10 42.90N 74.36E 28 2.3b **¶610769181**
KNET V 09 01 17 33.5–.26 42.88N 74.37E 21–3 1.8L
NNC V 09 01 17 33.5–.27 42.88N 74.36E 0 3.3b,2.9
SOME V 09 01 17 34.1 42.88N 74.33E 15 3.3b,2.9
ISC Event type se.
KNET Error ellipse: s-maj=1.9km s-min=1.9km az=179.0.
NNC Event type se. Error ellipse: s-maj=3.6km s-min=1.5km az=138.0.
ISC V 11 15 20 23.4–.75 42.13N–.03 73.75E–.02 9–4 125 0-11
KNET V 11 15 20 22.3–.55 42.13N 73.80E 9–3 3.1L **¶610630601**
KRNET V 11 15 20 22.5–.10 42.11N 73.76E 19 3.6b
NNC V 11 15 20 23.6–.28 42.17N 73.78E 1–3 4.6b,4.5
SOME V 11 15 20 23.1 42.13N 73.77E 10 4.6b,4.5
ISC Event type se.
KNET Error ellipse: s-maj=3.9km s-min=3.2km az=6.0.
NNC Event type se. Error ellipse: s-maj=5.2km s-min=3.1km az=166.0.
ISC V 11 19 31 32.0–1.3 41.06N–.04 75.28E–.02 2–11 107 1-76
KRNET V 11 19 31 33.0–.10 41.09N 75.29E 16 3.3b **¶610630722**
NNC V 11 19 31 32.9–1.5 41.03N 75.30E 0 4.0b,3.7
SOME V 11 19 31 33.0 41.10N 75.22E 5 4.0b,3.7
KNET V 11 19 31 33.8–.51 41.17N 75.29E 1–2 3.0L,3.7
IDC V 11 19 31 37.4–4.0 41.66N 73.77E 0 3.3b,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=11.3km s-min=4.9km az=171.0.
KNET Error ellipse: s-maj=3.6km s-min=2.4km az=174.0.
IDC Error ellipse: s-maj=149.8km s-min=18.7km az=147.0.
KRNET V 11 21 10 08.5–.10 41.03N 75.26E 15 2.1b
¶612116225
ISC V 12 19 35 17.9–1.1 41.92N–.03 72.29E–.02 2–10 99 0-6
SOME V 12 19 35 17.7 41.92N 72.37E 10 **¶610638070**
KRNET V 12 19 35 17.1–.10 41.93N 72.27E 20 3.5b
NNC V 12 19 35 18.1–.64 41.97N 72.32E 0 4.1b,3.8
KNET V 12 19 35 20.7–.45 42.01N 72.52E 3–2 2.8L,3.8
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=5.4km s-min=3.0km az=9.0.
KNET Error ellipse: s-maj=4.1km s-min=2.6km az=125.0.
ISC V 13 19 07 14.6–1.3 41.16N–.03 73.55E–.02 5–10 91 1-5
KRNET V 13 19 07 15.3–.10 41.17N 73.55E 25 2.8b **¶610638567**
NNC V 13 19 07 15.1–.94 41.16N 73.51E 0 3.5b,3.1
KNET V 13 19 07 16.4–.34 41.23N 73.64E 5–1 2.5L,3.1
SOME V 13 19 07 16.0 41.20N 73.38E 15 2.5L,3.1
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=5.6km s-min=5.1km az=23.0.
KNET Error ellipse: s-maj=3.0km s-min=2.1km az=97.0.
ISC V 15 08 58 21.0–1.3 42.29N–.04 71.55E–.03 9–12 59 1-5
KRNET V 15 08 58 21.8–.10 42.23N 71.52E 11 2.8b **¶610769238**
NNC V 15 08 58 22.0–.46 42.26N 71.52E 0 3.5,3.3b
KNET V 15 08 58 23.8–.39 42.19N 71.70E 9–2 2.5L,3.3b
SOME V 15 08 58 23.0 42.28N 71.60E 5 2.5L,3.3b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=5.0km s-min=2.2km az=9.0.
KNET Error ellipse: s-maj=4.1km s-min=2.6km az=9.0.
ISC V 16 09 07 15.1–.51 42.06N–.02 71.94E–.01 13–3 4.5b,3.8s 410 0-165
IDC V 16 09 07 15.1–3.1 42.06N 71.92E 16–20 4.2L,4.1 **¶611833908**
NNC V 16 09 07 15.4–1.1 42.10N 71.93E 0 5.9b,5.9
KRNET V 16 09 07 16.0–.10 42.09N 71.96E 15 5.7b,5.9
MOS V 16 09 07 15.9–1.8 42.21N 71.76E 19 4.6b,5.9
SOME V 16 09 07 15.4 42.12N 72.02E 5 4.1s,5.9
KNET V 16 09 07 17.6–.55 42.13N 72.13E 6–3 5.2L,5.9
BJI V 16 09 07 17.0–.00 42.20N 71.79E 41 5.0L,4.7b
NEIC V 16 09 07 18.0–1.9 42.18N–.06 71.82E–.07 35–1 4.5b,4.7b
ISC Event type se.
NNC Event type se.
MOS Event type fe. Felt (IV-V) at Arkit, Kel'; (III-IV) at Toktogul; (III) at Talas. Moment Tensor Solution.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 17 10 02 05.6–1.2 40.78N–.03 73.20E–.03 3–10 92 0-5
SOME V 17 10 02 06.0 40.92N 73.15E 0 **¶610641793**
NNC V 17 10 02 06.6–.85 40.85N 73.20E 0 3.7b,3.4
KRNET V 17 10 02 06.0–.10 40.79N 73.19E 14 3.1b,3.4
KNET V 17 10 02 08.4–.54 40.95N 73.40E 3–3 2.9L,3.4
ISU V 17 10 02 09.6 40.81N 73.05E 10 2.9L,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=5.6km s-min=4.4km az=165.0.
KNET Error ellipse: s-maj=6.4km s-min=3.1km az=100.0.
ISC V 18 03 30 09.2–1.0 42.97N–.04 71.59E–.02 8–12 52 0-4
SOME V 18 03 30 09.9 42.93N 71.58E 10 **¶612039142**
NNC V 18 03 30 09.1–.48 42.99N 71.53E 0 3.0b,2.9
KRNET V 18 03 30 09.4–.10 42.92N 71.59E 9 2.8b,2.9
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=6.1km s-min=2.6km az=9.0.
ISC V 18 12 25 25.0–1.1 41.06N–.05 69.73E–.04 10 21 0-5
KRNET V 18 12 25 23.6–.10 41.10N 69.68E 10 2.5b **¶612039172**
NNC V 18 12 25 25.3–3.9 40.86N 69.80E 0 3.0b,2.7
SOME V 18 12 25 26.5 41.07N 70.00E 5 3.0b,2.7
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=27.8km s-min=16.4km az=29.0.
ISC V 19 01 21 33.8–.92 42.91N–.04 71.49E–.02 10–8 39 0-4
SOME V 19 01 21 33.6 42.88N 71.45E 5 **¶612039189**
KRNET V 19 01 21 33.7–.10 42.89N 71.49E 15 2.3b
NNC V 19 01 21 34.4–.59 42.92N 71.44E 0 3.0b,3.0
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=12.4km s-min=3.3km az=14.0.
SOME V 19 10 31 08.2 40.02N 72.88E 10
KRNET V 19 10 30 51.9–.10 39.40N 73.86E 2.8b **¶612116320**
ISC V 21 07 14 10.7–1.1 41.06N–.03 70.14E–.03 3–12 34 0-5
KRNET V 21 07 14 10.7–.10 41.04N 70.20E 13 3.2b **¶612039288**
ISU V 21 07 14 10.7 41.21N 70.00E 8 3.2b
NNC V 21 07 14 11.6–1.9 40.90N 70.33E 0 3.7b,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=14.5km s-min=7.6km az=33.0.
ISC V 21 17 03 21.7–1.0 41.31N–.02 71.73E–.02 18–5 100 1-6
KRNET V 21 17 03 21.0–.10 41.34N 71.70E 18 3.2b **¶610646039**
SOME V 21 17 03 20.3 41.25N 71.82E 15 3.2b
ISU V 21 17 03 23.0 41.20N 71.74E 28 3.2b
NNC V 21 17 03 22.6–2.6 41.15N 72.02E 24–30 3.9b,3.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=26.6km s-min=18.1km az=127.0.
ISC V 24 20 08 52.9–.91 42.18N–.02 73.16E–.01 12–6 3.7b 233 0-75
IDC V 24 20 08 51.4–1.6 42.12N 73.21E 0 3.7,3.5b **¶610653329**
KRNET V 24 20 08 52.0–.10 42.17N 73.18E 19 4.1b,3.5b
NNC V 24 20 08 52.0–1.2 42.17N 73.18E 0 4.5b,4.4
SOME V 24 20 08 52.7 42.15N 73.23E 10 4.5b,4.4
MOS V 24 20 08 52.7–.96 42.19N 73.12E 12 4.1b,4.4
KNET V 24 20 08 54.8–.35 42.23N 73.37E 10–1 3.4L,4.4
ISC Event type se.
IDC Error ellipse: s-maj=24.3km s-min=9.2km az=170.0.
NNC Event type se. Error ellipse: s-maj=12.4km s-min=5.8km az=177.0.
MOS Error ellipse: s-maj=6.3km s-min=4.4km az=139.8.
KNET Error ellipse: s-maj=2.3km s-min=1.6km az=94.0.
ISC V 25 06 18 24.1–1.1 42.91N–.04 72.78E–.03 18–6 42 0-3
NNC V 25 06 18 23.5–.76 42.93N 72.76E 0–6 2.5b,2.4 **¶612039464**
KRNET V 25 06 18 24.8–.10 42.88N 72.76E 25 2.2b,2.4
SOME V 25 06 18 25.0 42.95N 72.80E 10 2.2b,2.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=6.6km s-min=4.2km az=10.0.
ISC V 27 01 53 37.4–.80 39.45N–.05 72.33E–.03 10 3.6b 102 0-78
KRNET V 27 01 53 31.9–.10 39.27N 72.51E 12 3.9b **¶610654884**
IDC V 27 01 53 35.6–1.9 39.24N 72.78E 0 3.7,3.6b
SOME V 27 01 53 35.3 39.62N 72.43E 10 3.7,3.6b
NNC V 27 01 53 41.6–1.5 39.69N 72.77E 0 4.3b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=35.1km s-min=15.3km az=139.0.
NNC Event type se. Error ellipse: s-maj=11.5km s-min=7.0km az=0.0.
ISC V 28 02 35 11.1–1.3 40.05N–.03 73.01E–.03 7–10 93 0-13
KRNET V 28 02 35 10.2–.10 40.08N 73.07E 20 3.5b **¶610769352**
ISU V 28 02 35 11.8 40.00N 73.06E 16 3.5b
SOME V 28 02 35 12.9 40.25N 73.00E 10 3.5b
NNC V 28 02 35 14.1–1.1 40.25N 73.06E 0 3.8b,3.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=8.7km s-min=4.8km az=174.0.
ISC V 29 06 11 40.0–1.0 42.14N–.03 74.98E–.01 9–9 106 0-4
KNET V 29 06 11 40.4–.46 42.20N 74.97E 18–3 2.5L **¶610655467**
KRNET V 29 06 11 40.5–.10 42.18N 74.96E 20 3.0b
NNC V 29 06 11 40.9–.53 42.25N 74.91E 0 3.6b,3.3
SOME V 29 06 11 41.7 42.20N 74.92E 15 3.6b,3.3
ISC Event type se.
KNET Error ellipse: s-maj=3.6km s-min=2.4km az=172.0.
NNC Event type se. Error ellipse: s-maj=6.5km s-min=1.8km az=155.0.
ISC V 30 02 01 58.7–1.4 41.36N–.04 74.61E–.02 0–11 84 1-5
SOME V 30 02 01 58.9 41.38N 74.62E 15 **¶610655715**
NNC V 30 02 01 59.1–.81 41.39N 74.57E 0 3.5b,3.1
KRNET V 30 02 01 59.1–.10 41.37N 74.60E 22 2.9b,3.1
KNET V 30 02 01 59.6–.52 41.43N 74.58E 12–4 2.4L,3.1
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=5.8km s-min=2.1km az=5.0.
KNET Error ellipse: s-maj=4.2km s-min=2.4km az=24.0.
ISC V 30 20 16 44.4–1.2 41.62N–.03 72.61E–.02 18–3 91 1-4
SOME V 30 20 16 42.7 41.50N 72.72E 15 **¶610656205**
ISU V 30 20 16 42.4 41.83N 72.60E 20
KRNET V 30 20 16 42.4–.10 41.58N 72.60E 30 3.3b
KNET V 30 20 16 43.5–.49 41.69N 72.65E 0 2.7L
NNC V 30 20 16 44.0–1.7 41.68N 72.62E 0 3.7b,3.2
ISC Event type se.
KNET Error ellipse: s-maj=6.4km s-min=3.1km az=142.0.
NNC Event type se. Error ellipse: s-maj=19.2km s-min=6.5km az=170.0.
ISC V 31 09 16 05.7–1.1 41.95N–.03 72.24E–.02 1–10 91 0-11
NNC V 31 09 16 05.5–2.5 41.97N 72.14E 0 4.0,3.7b **¶610656260**
KRNET V 31 09 16 05.9–.10 41.90N 72.22E 20 3.7b,3.7b
SOME V 31 09 16 06.5 41.87N 72.25E 10 3.7b,3.7b
KNET V 31 09 16 07.4–.45 42.02N 72.34E 2–2 3.1L,3.7b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=28.3km s-min=8.6km az=0.0.
KNET Error ellipse: s-maj=4.0km s-min=2.7km az=171.0.
ISC VI 01 15 10 19.3–.73 39.44N–.03 72.06E–.02 10–4 4.3b,3.4s 374 0-94
IDC VI 01 15 10 17.5–.72 39.41N 72.13E 0 4.0,3.9b **¶610657927**
KRNET VI 01 15 10 19.3–.10 39.45N 72.12E 24 4.8b,3.9b
MOS VI 01 15 10 19.1–1.2 39.42N 72.04E 18 4.5b,3.9b
NEIC VI 01 15 10 19.9–2.9 39.48N–.03 72.01E–.04 10–1 4.4b,3.9b
SOME VI 01 15 10 20.2 39.57N 72.18E 10 4.4b,3.9b
BJI VI 01 15 10 21.9–.00 39.49N 72.36E 5 4.6b,4.2b
NNC VI 01 15 10 22.0–1.1 39.65N 72.08E 10–5 4.8b,4.6
ISC Event type se.
IDC Error ellipse: s-maj=13.7km s-min=9.3km az=140.0.
MOS Event type fe. Error ellipse: s-maj=5.6km s-min=3.5km az=71.5. Felt (IV-V) at Zhar-Bashy, Kulchu, Chak; (IV) at Shibe; (III-IV) at Karamyk, Kara-Teyit, Achyk-Suu. Moment Tensor Solution.
NEIC Event type se. Error ellipse: s-maj=6.3km s-min=3.3km az=40.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=7.8km s-min=4.2km az=2.0.
ISC VI 05 00 47 01.5–1.3 41.47N–.03 75.46E–.02 0–10 102 0-4
SOME VI 05 00 47 00.6 41.50N 75.50E 0 **¶610758952**
KRNET VI 05 00 47 00.9–.10 41.45N 75.43E 17 2.8b
NNC VI 05 00 47 01.0–1.1 41.37N 75.49E 0 3.8b,3.5
KNET VI 05 00 47 02.6–.64 41.55N 75.40E 6–3 2.2L,3.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=8.0km s-min=4.3km az=165.0.
KNET Error ellipse: s-maj=4.2km s-min=2.6km az=2.0.
ISC VI 08 03 33 34.6–1.1 41.82N–.03 72.64E–.02 13–10 64 1-5
KRNET VI 08 03 33 35.4–.10 41.77N 72.65E 17 2.8b **¶612088736**
SOME VI 08 03 33 36.6 41.78N 72.67E 15 2.8b
NNC VI 08 03 33 38.0–.54 41.86N 72.71E 0 3.6b,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=5.2km s-min=2.0km az=175.0.
KRNET VI 08 03 42 46.4–.10 41.73N 72.68E 11 2.2b
IDC VI 08 03 42 38.1–607 45.39N 64.31E 0 2.2b **¶612088737**
SOME VI 08 03 42 46.8 41.78N 72.68E 5 2.2b
NNC VI 08 03 42 49.0–2.6 41.83N 72.78E 0 3.3b,2.8
IDC Error ellipse: s-maj=245.6km s-min=127.0km az=155.0.
NNC Event type se. Error ellipse: s-maj=21.0km s-min=9.1km az=158.0.
ISC VI 10 02 04 50.6–.73 41.07N–.02 74.91E–.02 6–5 3.8b 168 1-69
IDC VI 10 02 04 45.3–1.9 40.85N 74.66E 0 3.7b,3.3 **¶610669143**
SOME VI 10 02 04 46.2 40.87N 74.93E 10 3.7b,3.3
KRNET VI 10 02 04 47.5–.10 40.99N 74.92E 15 3.8b,3.3
KNET VI 10 02 04 49.6–.80 41.12N 74.93E 0 3.4L,3.3
MOS VI 10 02 04 50.9–1.0 40.97N 74.93E 28 3.8b,3.3
NNC VI 10 02 04 50.4–1.4 41.05N 74.91E 0 4.4b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=28.6km s-min=18.0km az=109.0.
KNET Error ellipse: s-maj=5.5km s-min=2.7km az=15.0.
MOS Error ellipse: s-maj=8.2km s-min=5.4km az=82.0.
NNC Event type se. Error ellipse: s-maj=11.8km s-min=6.8km az=166.0.
ISC VI 10 18 43 59.1–1.0 42.31N–.04 74.28E–.02 11–11 50 0-3
SOME VI 10 18 43 58.8 42.30N 74.28E 10 **¶610758977**
KNET VI 10 18 43 58.1–.38 42.30N 74.28E 14–3 1.5L
NNC VI 10 18 43 59.6–.54 42.36N 74.23E 0 3.3b,3.0
ISC Event type se.
KNET Error ellipse: s-maj=2.7km s-min=2.2km az=25.0.
NNC Event type se. Error ellipse: s-maj=5.8km s-min=1.9km az=176.0.
ISC VI 11 19 27 36.6–.99 42.00N–.03 72.06E–.03 9–9 37 0-3
NNC VI 11 19 27 36.8–1.3 42.08N 72.05E 0 2.6b,2.5 **¶612088888**
KRNET VI 11 19 27 36.3–.10 41.99N 72.06E 19 2.1b,2.5
SOME VI 11 19 27 36.4 42.00N 72.07E 10 2.1b,2.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=12.1km s-min=4.5km az=178.0.
SOME VI 13 05 09 22.4 41.90N 71.68E 0

NNC	VI	13 05 09 23.4–19	41.58N	70.64E	0	2.5,1.8b	¶612088933
NNC	Event type se. Error ellipse: s-maj=167.4km s-min=136.6km az=86.0.						
ISC	**VI**	**14 13 08 35.7–.99**	**40.99N–.03**	**72.26E–.05**	**10**		**21 0-2**
ISU	VI	14 13 08 33.4	40.15N	72.84E	30		¶612097818
KRNET	VI	14 13 08 36.0–.10	40.98N	72.28E	17	2.7b	
ISC	Event type ke.						
ISC	**VI**	**16 17 17 21.2–3.5**	**40.1N–.30**	**73.71E–.09**	**10**		**29 3-5**
SOME	VI	16 17 17 05.3	39.43N	73.53E	0		¶612089114
NNC	VI	16 17 17 09.5–1.9	39.51N	73.62E	0	3.6b,3.3	
ISC	Event type se.						
NNC	Event type se. Error ellipse: s-maj=15.3km s-min=8.4km az=164.0.						
ISC	**VI**	**17 19 50 00.3–1.4**	**39.97N–.05**	**72.96E–.03**	**13–10**		**76 1-7**
ISU	VI	17 19 49 59.7	39.80N	72.94E	15		¶610681479
KRNET	VI	17 19 49 59.3–.10	39.80N	72.89E	14	3.0b	
NNC	VI	17 19 50 05.8–1.5	40.16N	72.80E	0	3.7b,3.3	
SOME	VI	17 19 50 05.2	40.15N	72.78E	15	3.7b,3.3	
ISC	Event type se.						
NNC	Event type se. Error ellipse: s-maj=11.8km s-min=5.4km az=177.0.						
ISC	**VI**	**21 12 08 01.8–1.1**	**41.10N–.04**	**70.48E–.06**	**10**		**17 1-5**
SOME	VI	21 12 07 54.5	40.83N	70.40E	0		¶612053701
NNC	VI	21 12 07 56.6–6.6	40.86N	70.18E	0	2.8b,2.7	
KRNET	VI	21 12 07 56.0–.10	41.23N	70.07E	7	2.4b,2.7	
ISC	Event type se.						
NNC	Event type se. Error ellipse: s-maj=44.2km s-min=32.2km az=16.0.						
SOME	**VI**	**21 17 54 42.5**	**41.55N**	**71.35E**	**0**		
NNC	VI	21 17 54 43.6–2.7	42.43N	68.48E	0	2.7b,2.7	¶612670808
NNC	Event type se. Error ellipse: s-maj=20.6km s-min=10.1km az=61.0.						
ISC	**VI**	**23 01 55 06.6–1.1**	**40.82N–.03**	**73.42E–.02**	**4–9**	**3.6b**	**147 1-68**
ISU	VI	23 01 55 04.1	40.78N	73.42E	19	3.6b	¶610759030
KRNET	VI	23 01 55 07.6–.10	40.86N	73.27E	16	3.8b	
NNC	VI	23 01 55 08.8–.58	40.92N	73.33E	0	4.1b,3.8	
SOME	VI	23 01 55 08.7	41.03N	73.42E	0	4.1b,3.8	
IDC	VI	23 01 55 09.2–2.9	40.77N	72.07E	0	3.5b,3.4	
KNET	VI	23 01 55 09.3–.36	40.95N	73.40E	8–2	3.5L,3.4	
ISC	Event type se.						
NNC	Event type se. Error ellipse: s-maj=3.7km s-min=3.3km az=15.0.						
IDC	Error ellipse: s-maj=66.9km s-min=16.4km az=155.0.						
KNET	Error ellipse: s-maj=5.0km s-min=2.9km az=107.0.						
ISC	**VI**	**23 02 46 44.4–.95**	**41.82N–.03**	**70.06E–.04**	**12–9**		**27 0-4**
SOME	VI	23 02 46 44.8	41.73N	70.07E	5		¶612053758
KRNET	VI	23 02 46 44.2–.10	41.80N	69.96E	18	2.6b	
ISU	VI	23 02 46 45.8	41.71N	69.72E	6	2.6b	
NNC	VI	23 02 46 46.4–1.7	41.89N	70.07E	0	2.8,2.5b	
ISC	Event type se.						
NNC	Event type se. Error ellipse: s-maj=12.3km s-min=6.5km az=55.0.						
ISC	**VI**	**23 03 19 28.3–.69**	**41.10N–.02**	**72.27E–.02**	**15–4**	**3.9b**	**314 0-86**
IDC	VI	23 03 19 24.8–.69	41.01N	72.32E	0	3.8,3.8b	¶610693796
ISU	VI	23 03 19 25.5	41.06N	72.39E	21	3.8,3.8b	
SOME	VI	23 03 19 25.8	41.13N	72.32E	5	3.5s,3.8b	
KRNET	VI	23 03 19 26.3–.10	41.10N	72.33E	14	4.3b,3.8b	
KNET	VI	23 03 19 27.6–.45	41.10N	72.53E	3–1	4.1L,3.8b	
NNC	VI	23 03 19 28.4–.79	41.21N	72.32E	0	4.5b,4.3	
MOS	VI	23 03 19 29.2–1.4	41.07N	72.30E	30	4.2b,4.3	
NEIC	VI	23 03 19 31.6–2.7	41.07N–.05	72.29E–.07	38–12	4.1b,4.3	
ISC	Event type se.						
NNC	Event type se.						
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.						
ISC	**VI**	**23 22 10 58.9–1.0**	**41.10N–.03**	**72.42E–.02**	**14–10**		**48 0-4**
ISU	VI	23 22 10 57.3	41.06N	72.65E	14		¶612053802
KRNET	VI	23 22 10 58.9–.10	41.10N	72.35E	12	2.5b	
SOME	VI	23 22 10 58.9	41.17N	72.37E	0	2.5b	
NNC	VI	23 22 11 00.6–1.6	41.11N	72.39E	0	3.0b,2.7	
ISC	Event type se.						
NNC	Event type se. Error ellipse: s-maj=14.9km s-min=5.7km az=166.0.						
ISC	**VI**	**24 09 17 21.7–1.1**	**41.10N–.02**	**72.37E–.02**	**3–11**		**88 0-6**
ISU	VI	24 09 17 21.8	41.12N	72.42E	26		¶612053822
SOME	VI	24 09 17 22.6	41.08N	72.30E	5		
KRNET	VI	24 09 17 22.3–.10	41.10N	72.31E	12	2.9b	
NNC	VI	24 09 17 23.2–1.2	41.07N	72.35E	0	3.7b,3.5	
ISC	Event type se.						
NNC	Event type se. Error ellipse: s-maj=11.0km s-min=4.7km az=0.0.						
KRNET	**VI**	**25 04 37 59.9–.10**	**41.30N**	**71.74E**	**12**	**2.3b**	
SOME	VI	25 04 38 03.2	41.42N	71.60E	10	2.3b	¶612053852
NNC	VI	25 04 38 10.7–1.5	42.28N	72.03E	0	2.5b,2.4	
NNC	Event type se. Error ellipse: s-maj=20.0km s-min=11.8km az=7.0.						
ISC	**VI**	**27 23 10 26.9–1.1**	**41.09N–.02**	**72.65E–.02**	**3–9**		**134 1-67**
IDC	VI	27 23 10 26.5–3.2	40.93N	72.33E	0	3.7b,3.5	¶610696889
KRNET	VI	27 23 10 28.4–.10	41.15N	72.49E	15	3.7b,3.5	
ISU	VI	27 23 10 29.3	41.21N	72.51E	14	3.7b,3.5	
SOME	VI	27 23 10 29.4	41.25N	72.48E	15	3.7b,3.5	
KNET	VI	27 23 10 30.4–.48	41.23N	72.61E	6–2	3.3L,3.5	
NNC	VI	27 23 10 31.2–.58	41.27N	72.53E	0	3.9b,3.6	
ISC	Event type se.						
IDC	Error ellipse: s-maj=87.8km s-min=21.3km az=156.0.						
KNET	Error ellipse: s-maj=8.2km s-min=3.5km az=132.0.						
NNC	Event type se. Error ellipse: s-maj=5.8km s-min=3.0km az=159.0.						
ISC	**VI**	**28 03 05 29.9–.92**	**41.59N–.02**	**71.33E–.01**	**9–7**		**132 0-96**
IDC	VI	28 03 05 26.1–2.5	41.53N	71.33E	0	3.9b,3.4s	¶610696933
KNET	VI	28 03 05 29.4–.77	41.17N	71.71E	1–4	3.5L,3.4s	
KRNET	VI	28 03 05 29.7–.10	41.56N	71.31E	16	3.8b,3.4s	
SOME	VI	28 03 05 30.2	41.57N	71.37E	5	3.8b,3.4s	
NNC	VI	28 03 05 30.2–.59	41.59N	71.34E	0	4.2b,3.9	
ISU	VI	28 03 05 31.9	41.44N	71.28E	18	4.2b,3.9	
ISC	Event type se.						
IDC	Error ellipse: s-maj=26.2km s-min=14.8km az=13.0.						
KNET	Error ellipse: s-maj=17.0km s-min=7.7km az=147.0.						
NNC	Event type se. Error ellipse: s-maj=6.0km s-min=1.9km az=9.0.						

(717) Afghanistan-Tajikistan border region.

ISC	**I**	**01 06 11 04.6–1.2**	**37.9N–.10**	**69.51E–.08**	**35**	**3.3b**	**23 5-80**
IDC	I	01 06 10 58.2–2.0	37.66N	69.68E	0	3.6,3.5b	¶610236360
ISC	Event type ke.						
IDC	Error ellipse: s-maj=43.2km s-min=14.6km az=151.0.						
ISC	**I**	**01 17 26 46.1–.65**	**37.62N–.07**	**71.91E–.07**	**130**	**3.7b**	**36 4-80**
IDC	I	01 17 26 43.0–4.1	37.58N	71.95E	92–29	3.8,3.5b	¶610159820
NNC	I	01 17 26 49.7–5.3	38.79N	72.13E	0	3.8b,3.6	
ISC	Event type se.						
IDC	Error ellipse: s-maj=42.7km s-min=17.9km az=160.0.						
NNC	Event type se. Error ellipse: s-maj=41.7km s-min=19.2km az=5.0.						
ISC	**I**	**01 20 50 42.2–.54**	**36.55N–.05**	**71.19E–.05**	**188**	**3.8b**	**58 6-84**
NNC	I	01 20 50 35.0–4.5	36.62N	70.86E	0	4.4,4.3b	¶610181755
IDC	I	01 20 50 41.8–2.7	36.41N	71.15E	188–21	4.1,3.6b	
ISC	Event type se.						
NNC	Event type se. Error ellipse: s-maj=39.2km s-min=36.1km az=12.0.						
IDC	Error ellipse: s-maj=22.2km s-min=13.1km az=159.0.						
ISC	**I**	**01 22 06 44.4–.40**	**36.49N–.05**	**71.46E–.04**	**114**	**3.9b**	**156 3-84**
IDC	I	01 22 06 40.6–2.9	36.29N	71.62E	82–24	3.9,3.5b	¶609949334
BJI	I	01 22 06 42.4–.00	36.46N	71.64E	80	4.5b,4.1b	
MOS	I	01 22 06 43.0–.93	36.53N	71.55E	109	4.2b,4.1b	
NEIC	I	01 22 06 44.6–1.5	36.57N–.04	71.47E–.08	107–4	4.2b,4.1b	
NNC	I	01 22 07 04.8–7.7	38.60N	71.46E	0	4.0b,3.9	
ISC	Event type se.						
IDC	Error ellipse: s-maj=19.4km s-min=15.1km az=167.0.						
MOS	Error ellipse: s-maj=9.1km s-min=5.1km az=91.3.						
NEIC	Event type se. Error ellipse: s-maj=9.1km s-min=5.0km az=100.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.						
NNC	Event type se. Error ellipse: s-maj=74.1km s-min=43.3km az=6.0.						
ISC	**I**	**01 22 22 20.5–4.1**	**36.3N–.40**	**71.2E–.20**	**200**		**11 7-41**
IDC	I	01 22 22 17.7–9.2	35.95N	71.37E	198–33	3.7,3.4b	¶610236425
ISC	Event type ke.						
IDC	Error ellipse: s-maj=141.6km s-min=26.6km az=157.0.						
ISC	**I**	**02 06 14 47.6–1.9**	**37.4N–.20**	**69.8E–.10**	**30**	**3.4b**	**20 6-80**
IDC	I	02 06 14 40.0–3.1	36.91N	70.30E	0	3.7,3.6b	¶610095155
NNC	I	02 06 14 44.9–4.1	37.63N	69.30E	0	3.9b,3.6	
ISC	Event type se.						
IDC	Error ellipse: s-maj=52.9km s-min=21.9km az=161.0.						
NNC	Event type se. Error ellipse: s-maj=39.1km s-min=26.6km az=20.0.						
NNC	**I**	**03 10 53 25.7–3.1**	**37.45N**	**71.47E**	**156–57**	**3.5,2.7b**	
							¶612032639
NNC	Event type se. Error ellipse: s-maj=39.7km s-min=13.9km az=35.0.						
ISC	**I**	**04 01 26 07.5–.44**	**36.53N–.04**	**71.05E–.05**	**200**	**3.7b**	**107 3-82**
SOME	I	04 01 26 02.4	37.65N	72.22E	15	3.7b	¶609975351
IDC	I	04 01 26 05.6–2.9	36.34N	70.90E	184–23	3.9,3.3b	
BJI	I	04 01 26 08.5–.00	36.48N	70.98E	218	4.9b,4.4b	
NEIC	I	04 01 26 09.4–1.4	36.64N–.07	70.86E–.06	207–5	4.2b,4.4b	
NNC	I	04 01 26 13.1–2.9	36.95N	70.98E	209–34	4.5,3.3b	
ISC	Event type se.						
IDC	Error ellipse: s-maj=24.6km s-min=15.4km az=162.0.						
NEIC	Event type se. Error ellipse: s-maj=11.5km s-min=1.6km az=146.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.						
NNC	Event type se. Error ellipse: s-maj=29.0km s-min=16.6km az=6.0.						
ISC	**I**	**04 02 14 50.0–2.8**	**36.9N–.20**	**71.3E–.10**	**200**		**15 6-66**
IDC	I	04 02 14 43.3–15	35.53N	72.35E	215–109	3.5,3.1b	¶610099137
NNC	I	04 02 14 56.4–2.9	37.33N	71.37E	237–28	3.9,2.8b	
ISC	Event type se.						
IDC	Error ellipse: s-maj=210.0km s-min=25.4km az=149.0.						
NNC	Event type se. Error ellipse: s-maj=30.5km s-min=18.8km az=171.0.						
ISC	**I**	**04 07 34 14.9–2.5**	**37.2N–.20**	**72.0E–.10**	**200**		**18 5-41**
NNC	I	04 07 34 13.6–18	37.15N	71.34E	136–245	3.2,2.6b	¶610099149
IDC	I	04 07 34 20.2–8.2	37.57N	72.41E	234–52	4.0,3.9b	
ISC	Event type se.						
NNC	Event type se. Error ellipse: s-maj=176.1km s-min=105.7km az=170.0.						
IDC	Error ellipse: s-maj=81.0km s-min=50.4km az=180.0.						
ISC	**I**	**04 19 50 25.4–1.5**	**36.9N–.10**	**71.5E–.20**	**106**		**17 6-17**
KNET	I	04 19 50 31.7	37.44N	72.13E	10	3.2L	¶616062440
NNC	I	04 19 50 31.8–29	37.64N	72.12E	0	3.7b,3.5	
ISC	Event type ke.						
NNC	Event type se. Error ellipse: s-maj=275.6km s-min=231.7km az=106.0.						
ISC	**I**	**05 07 52 58.3–.36**	**37.44N–.04**	**71.74E–.04**	**35**	**4.5b,3.5s**	**360 2-90**
NNC	I	05 07 52 27.2–4.2	35.33N	71.03E	0	5.0,4.9b	¶609985581
IDC	I	05 07 52 53.0–.70	37.37N	71.73E	0	4.4,4.3b	
MOS	I	05 07 52 54.9–1.4	37.47N	71.76E	35	4.6b,4.3b	
BJI	I	05 07 52 59.7–.00	37.73N	71.66E	61	4.4b,4.2b	
NEIC	I	05 07 52 59.0–2.2	37.45N–.05	71.50E–.07	34–6	4.6b,4.2b	
ISC	Event type se.						
NNC	Event type se.						
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.						
ISC	**I**	**05 15 42 13.9–2.9**	**37.6N–.20**	**68.8E–.20**	**10**		**9 6-39**
IDC	I	05 15 42 21.4–5.7	36.88N	70.61E	193–29	3.6b,3.4	¶610101590
ISC	Event type se.						
IDC	Error ellipse: s-maj=84.9km s-min=25.7km az=148.0.						
NNC	**I**	**07 03 52 58.7–4.7**	**38.03N**	**71.58E**	**0**	**3.8b,3.4**	
							¶612032790
NNC	Event type se. Error ellipse: s-maj=35.8km s-min=26.3km az=177.0.						
NNC	**I**	**07 05 13 46.0–7.8**	**37.06N**	**71.09E**	**0**	**4.0b,3.6**	
							¶610104627
NNC	Event type se. Error ellipse: s-maj=60.4km s-min=53.1km az=166.0.						
ISC	**I**	**07 20 16 25.7–3.7**	**37.8N–.20**	**71.8E–.10**	**10**		**10 5-14**
SOME	I	07 20 16 23.2	38.62N	72.35E	5		¶612032827
NNC	I	07 20 16 27.5–5.2	37.99N	71.79E	0	3.7b,3.3	
ISC	Event type se.						
NNC	Event type se. Error ellipse: s-maj=40.4km s-min=26.8km az=172.0.						
ISC	**I**	**07 23 38 36.4–.70**	**37.09N–.06**	**68.32E–.06**	**30**	**3.6b**	**29 4-81**
IDC	I	07 23 38 29.2–2.3	36.67N	68.58E	0	3.8,3.8b	¶610104671
NNC	I	07 23 38 32.0–2.6	37.10N	68.24E	0	4.2b,3.8	
ISC	Event type se.						
IDC	Error ellipse: s-maj=40.8km s-min=17.5km az=159.0.						
NNC	Event type se. Error ellipse: s-maj=20.8km s-min=17.1km az=165.0.						
NNC	**I**	**08 14 01 16.8–17**	**37.37N**	**71.06E**	**0**	**3.6b,3.4**	
							¶612032865
NNC	Event type se. Error ellipse: s-maj=151.9km s-min=91.7km az=167.0.						
ISC	**I**	**09 07 44 06.9–1.1**	**38.88N–.04**	**70.51E–.04**	**5–7**	**4.1b,3.3s**	**156 0-86**
MOS	I	09 07 44 06.7–1.2	38.87N	70.53E	12	4.4b,3.3s	¶610049898
IDC	I	09 07 44 06.5–.97	38.82N	70.55E	0	4.0,3.9b	
NNC	I	09 07 44 08.0–1.3	39.05N	70.17E	0	4.6b,4.4	
SOME	I	09 07 44 09.5	39.28N	71.30E	15	4.6b,4.4	
NEIC	I	09 07 44 09.1–2.3	38.83N–.04	70.39E–.06	10–1	4.3b,4.4	
ISC	Event type se.						
NNC	Event type se.						
NEIC	Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.						
ISC	**I**	**09 22 27 19.7–.62**	**37.04N–.06**	**68.29E–.05**	**35**	**3.3b**	**43 4-81**
NNC	I	09 22 27 19.4–2.3	37.23N	67.90E	0	4.2b,3.9	¶610105236
IDC	I	09 22 27 19.9–6.8	37.20N	68.36E	23–44	3.7,3.5L	
ISC	Event type se.						
NNC	Event type se. Error ellipse: s-maj=27.6km s-min=8.0km az=168.0.						
IDC	Error ellipse: s-maj=41.7km s-min=15.3km az=162.0.						
ISC	**I**	**11 19 33 24.5–1.9**	**36.2N–.20**	**71.2E–.30**	**35**		**11 7-17**
NNC	I	11 19 33 33.7–8.1	36.97N	70.15E	0	3.9b,3.7	¶612032985
ISC	Event type se.						
NNC	Event type se. Error ellipse: s-maj=109.0km s-min=54.0km az=118.0.						
NNC	**I**	**12 18 50 02.1–4.0**	**37.02N**	**70.80E**	**0**	**4.2b,3.8**	
							¶612033033
NNC	Event type se. Error ellipse: s-maj=31.1km s-min=28.7km az=159.0.						
ISC	**I**	**13 21 05 00.2–1.3**	**37.0N–.10**	**71.4E–.10**	**100**	**3.4b**	**25 5-82**
NNC	I	13 21 04 59.6–.72	38.31N	72.20E	0	4.3b,3.9	¶610133024
IDC	I	13 21 05 01.1–3.8	37.04N	71.46E	111–31	3.7,3.3s	
SOME	I	13 21 05 04.9	38.72N	72.38E	0	3.7,3.3s	
ISC	Event type se.						
NNC	Event type se. Error ellipse: s-maj=5.5km s-min=3.3km az=0.0.						
IDC	Error ellipse: s-maj=34.5km s-min=25.4km az=152.0.						
ISC	**I**	**16 02 37 04.0–1.0**	**36.97N–.10**	**71.26E–.08**	**106**	**3.6b**	**25 5-84**
IDC	I	16 02 37 00.5–4.2	36.79N	71.49E	75–37	4.3s,3.6	¶610147660
NNC	I	16 02 37 05.0–6.0	37.43N	71.07E	0	4.1b,4.0	
ISC	Event type se.						
IDC	Error ellipse: s-maj=31.1km s-min=26.1km az=2.0.						
NNC	Event type se. Error ellipse: s-maj=57.3km s-min=32.5km az=155.0.						
ISC	**I**	**17 13 30 22.9–2.9**	**37.3N–.10**	**71.37E–.09**	**10**		**15 5-15**
SOME	I	17 13 30 23.6	37.42N	71.35E	10		¶612033215
NNC	I	17 13 30 33.5–4.5	37.65N	71.55E	0	4.0b,3.6	
ISC	Event type se.						
NNC	Event type se. Error ellipse: s-maj=36.6km s-min=20.8km az=157.0.						
NNC	**I**	**18 09 43 20.9–11**	**37.79N**	**70.93E**	**0**	**4.0b,3.6**	
							¶612033247
NNC	Event type se. Error ellipse: s-maj=90.6km s-min=75.0km az=36.0.						
ISC	**I**	**18 19 33 25.3–.84**	**37.10N–.08**	**71.41E–.07**	**106**	**4.1b**	**34 5-66**
SOME	I	18 19 33 25.6	38.55N	72.27E	0	4.1b	¶610159880
IDC	I	18 19 33 27.7–6.0	37.18N	71.76E	123–56	3.7,3.6b	
ISC	Event type ke.						
IDC	Error ellipse: s-maj=66.1km s-min=43.8km az=120.0.						
ISC	**I**	**20 16 38 53.4–4.2**	**38.2N–.20**	**71.8E–.20**	**10**		**5 4-14**
SOME	I	20 16 38 51.8	38.38N	71.93E	10		¶612033374
ISC	Event type ke.						
ISC	**I**	**22 08 20 35.0–4.6**	**38.8N–.30**	**70.4E–.10**	**10**		**9 3-6**
SOME	I	22 08 20 28.3	39.10N	71.35E	10		¶612033442
NNC	I	22 08 20 36.3–2.7	38.94N	70.57E	0	3.5b,3.0	
ISC	Event type se.						
NNC	Event type se. Error ellipse: s-maj=19.8km s-min=14.6km az=23.0.						

ISC I 22 09 56 12.8–3.7 37.5N–.20 71.7E–.10 109 15 5-15
NNC I 22 09 56 11.8–6.0 37.73N 71.58E 0 4.1b,3.9 ¶612033453
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=47.6km s-min=34.2km az=166.0.
ISC I 24 20 08 50.1–.47 37.40N–.05 71.65E–.05 109 3.9b 101 2-80
SOME I 24 20 08 48.8 38.70N 72.50E 0 3.9b ¶610159906
IDC I 24 20 08 48.5–3.8 37.32N 71.56E 83–27 3.8,3.3b
NEIC I 24 20 08 51.2–2.0 37.44N–.05 71.70E–.08 108–7 4.0b,3.3b
NNC I 24 20 08 54.2–6.5 37.70N 71.13E 135–101 3.9,3.2b
ISC Event type se.
IDC Error ellipse: s-maj=38.0km s-min=15.6km az=155.0.
NEIC Event type se. Error ellipse: s-maj=9.7km s-min=7.7km az=90.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=59.5km s-min=31.4km az=147.0.
NNC I 25 01 29 38.0–7.2 37.95N 71.01E 0 3.8b,3.5
¶612033563
NNC Event type se. Error ellipse: s-maj=56.3km s-min=49.9km az=151.0.
ISC I 25 11 42 24.4–.82 36.98N–.09 71.31E–.06 106 3.7b 41 4-82
IDC I 25 11 42 21.8–3.5 36.78N 71.47E 81–28 4.0,3.5b ¶610159908
NNC I 25 11 42 22.2–4.5 37.29N 70.95E 0 4.6b,4.2
BJI I 25 11 42 27.2–.00 37.09N 71.86E 107 4.5b,4.0b
ISC Event type se.
IDC Error ellipse: s-maj=33.1km s-min=17.9km az=168.0.
NNC Event type se. Error ellipse: s-maj=44.2km s-min=20.3km az=149.0.
ISC I 25 16 40 37.6–1.2 36.9N–.10 71.28E–.09 100 3.5b 24 5-84
IDC I 25 16 40 36.9–3.6 36.77N 71.44E 92–33 3.9,3.4b ¶610159909
NNC I 25 16 40 42.2–16 38.40N 72.27E 0 4.2b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=31.1km s-min=23.7km az=16.0.
NNC Event type se. Error ellipse: s-maj=134.0km s-min=62.5km az=8.0.
ISC I 26 22 27 35.4–1.3 37.81N–.08 69.1E–.10 10 10 5-13
NNC I 26 22 27 35.9–3.2 38.00N 69.16E 0 3.7b,3.3 ¶612033638
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=26.1km s-min=22.7km az=51.0.
ISC I 27 07 40 51.7–.36 36.36N–.03 71.38E–.03 86–3 4.5b 469 3-150
IDC I 27 07 40 50.1–2.5 36.19N 71.31E 75–23 4.4,4.1b ¶610133061
BJI I 27 07 40 50.4–.00 36.40N 71.36E 75 4.7b,4.6b
MOS I 27 07 40 51.1–1.0 36.40N 71.35E 88 4.4b,4.6b
NEIC I 27 07 40 52.5–1.7 36.43N–.06 71.29E–.08 83–6 4.8b,4.6b
NNC I 27 07 40 53.5–1.3 36.63N 70.90E 107–18 4.9,4.4b
SOME I 27 07 40 57.6 37.10N 71.33E 0 4.9,4.4b
ISC Event type se.
IDC Error ellipse: s-maj=11.8km s-min=8.0km az=12.0.
MOS Error ellipse: s-maj=5.9km s-min=3.6km az=85.9.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=7.5km az=63.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=12.4km s-min=8.0km az=168.0.
ISC I 27 22 42 07.8–4.1 36.6N–.10 71.4E–.60 200 6 7-30
IDC I 27 22 42 05.8–9.4 36.46N 71.24E 176–65 3.8,3.7b ¶610235515
ISC Event type ke.
IDC Error ellipse: s-maj=123.3km s-min=39.9km az=77.0.
ISC I 28 11 57 30.1–2.5 38.7N–.20 70.3E–.10 10 12 4-15
NNC I 28 11 57 23.7–9.2 38.16N 70.68E 0 3.8b,3.5 ¶612033707
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=87.8km s-min=48.6km az=164.0.
NNC I 29 09 13 41.5–2.4 37.90N 71.83E 0 3.9,3.7b
¶612033748
NNC Event type se. Error ellipse: s-maj=16.4km s-min=16.3km az=177.0.
ISC I 29 19 37 20.6–.66 36.62N–.07 71.25E–.06 150 3.5b 53 6-84
IDC I 29 19 37 20.8–3.0 36.46N 71.41E 165–26 3.8,3.3b ¶610180925
NNC I 29 19 37 25.6–2.0 36.92N 71.18E 145–25 4.3,3.6b
ISC Event type se.
IDC Error ellipse: s-maj=22.6km s-min=15.9km az=3.0.
NNC Event type se. Error ellipse: s-maj=19.4km s-min=8.2km az=42.0.
ISC I 30 23 28 25.4–.39 36.72N–.04 71.43E–.04 150 4.2b 304 2-84
SOME I 30 23 28 18.3 36.33N 71.72E 5 4.2b ¶610148245
IDC I 30 23 28 23.8–2.6 36.47N 71.41E 145–23 4.2,3.7b
NNC I 30 23 28 24.4–2.3 37.17N 70.98E 0 4.9,4.9b
MOS I 30 23 28 25.8–.87 36.71N 71.50E 165 4.4b,4.9b
NEIC I 30 23 28 27.7–2.1 36.76N–.04 71.34E–.07 165–6 4.3b,4.9b
ISC Event type se.
NNC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 31 16 32 25.4–.39 37.22N–.04 71.72E–.04 106 4.2b 142 2-84
BJI I 31 16 32 25.2–.00 37.22N 71.62E 108 4.8b,4.4b ¶610159187
MOS I 31 16 32 25.8–.89 37.17N 71.70E 122 4.6b,4.4b
SOME I 31 16 32 27.1 38.43N 71.92E 0 4.6b,4.4b
IDC I 31 16 32 27.6–1.0 37.05N 71.72E 129–8 4.0,3.5b
NEIC I 31 16 32 27.7–1.2 37.25N–.06 71.5E–.10 125–4 4.3b,3.5b
NNC I 31 16 32 31.5–4.9 37.81N 71.80E 0 5.2b,4.8
ISC Event type se.
MOS Error ellipse: s-maj=12.6km s-min=7.2km az=91.8.
IDC Error ellipse: s-maj=16.7km s-min=12.4km az=23.0.
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=8.5km az=97.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=37.7km s-min=30.7km az=179.0.
ISC II 01 20 01 40.9–.88 36.49N–.08 71.30E–.07 100 3.6b 37 6-74
IDC II 01 20 01 43.6–4.7 36.70N 71.32E 110–31 3.8,3.4b ¶610244827
NNC II 01 20 01 46.2–4.2 36.81N 71.28E 124–56 4.1,3.3b
ISC Event type se.
IDC Error ellipse: s-maj=45.1km s-min=21.1km az=165.0.
NNC Event type se. Error ellipse: s-maj=41.0km s-min=28.5km az=153.0.
SOME II 02 03 26 37.6 37.67N 71.75E 15
NNC II 02 03 26 48.1–3.6 37.35N 70.59E 0 3.5b,3.2 ¶612084487
NNC Event type se. Error ellipse: s-maj=44.8km s-min=19.9km az=139.0.
ISC II 02 14 08 30.5–.52 38.86N–.05 70.08E–.04 13 3.8b 101 1-86
IDC II 02 14 08 26.6–.84 38.56N 70.31E 0 3.9,3.8b ¶610243764
NNC II 02 14 08 28.9–1.9 38.44N 69.87E 83–97 4.5,4.0b
MOS II 02 14 08 28.9–1.4 38.76N 70.13E 19 4.2b,4.0b
SOME II 02 14 08 28.8 38.95N 70.07E 15 4.2b,4.0b
KRNET II 02 14 08 30.1–.10 39.04N 70.02E 4.3b,4.0b
ISC Event type se.
IDC Error ellipse: s-maj=14.8km s-min=10.6km az=154.0.
NNC Event type se. Error ellipse: s-maj=19.8km s-min=13.8km az=151.0.
MOS Error ellipse: s-maj=9.8km s-min=6.8km az=83.5.
NNC II 03 22 41 20.3–11 37.52N 71.22E 0 3.6b,3.2
¶612084604
NNC Event type se. Error ellipse: s-maj=87.2km s-min=83.8km az=46.0.
ISC II 05 08 01 47.0–.85 37.01N–.08 71.76E–.07 150 23 5-44
IDC II 05 08 01 48.5–5.5 37.16N 71.70E 138–32 3.6,3.3b ¶610414866
NNC II 05 08 01 53.0–9.9 37.72N 71.34E 0 3.9b,3.4
ISC Event type se.
IDC Error ellipse: s-maj=68.7km s-min=24.4km az=149.0.
NNC Event type se. Error ellipse: s-maj=103.7km s-min=57.5km az=142.0.
ISC II 07 09 42 51.8–.81 36.36N–.08 71.10E–.07 35 4.0b 37 3-81
NNC II 07 09 42 49.8–8.9 36.69N 71.19E 0 4.0b,3.8 ¶610243780
IDC II 07 09 42 51.1–4.8 36.08N 71.41E 54–31 4.1,3.8b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=91.0km s-min=56.8km az=43.0.
IDC Error ellipse: s-maj=53.9km s-min=24.1km az=151.0.
ISC II 07 11 18 28.1–1.7 36.8N–.10 71.4E–.30 250 13 6-84
IDC II 07 11 18 25.8–7.2 36.61N 71.57E 227–52 3.5,3.2s ¶610246609
ISC Event type ke.
IDC Error ellipse: s-maj=87.1km s-min=41.9km az=73.0.
ISC II 08 19 13 19.3–.90 37.15N–.08 71.35E–.07 100 3.7b 39 5-57
IDC II 08 19 13 16.7–6.2 36.87N 71.43E 69–30 3.9,3.5b ¶610243786
NNC II 08 19 13 25.3–2.9 37.84N 71.44E 0 3.9b,3.4
ISC Event type se.
IDC Error ellipse: s-maj=88.9km s-min=23.4km az=155.0.
NNC Event type se. Error ellipse: s-maj=24.4km s-min=18.6km az=147.0.
NNC II 08 21 35 32.9–2.5 37.05N 70.81E 0 3.7b,3.3
¶612084890
NNC Event type se. Error ellipse: s-maj=24.7km s-min=19.1km az=84.0.
NNC II 11 09 39 02.3–3.3 36.84N 71.10E 0 3.6b,3.2
¶612085070
NNC Event type se. Error ellipse: s-maj=30.3km s-min=25.0km az=125.0.
ISC II 12 05 22 13.7–2.1 36.9N–.20 72.2E–.20 100 14 6-67
IDC II 12 05 22 19.2–7.3 37.01N 72.47E 177–60 3.5,3.1b ¶610415356
NNC II 12 05 22 21.3–5.8 38.60N 72.63E 0 3.7b,3.3
ISC Event type se.
IDC Error ellipse: s-maj=91.5km s-min=40.0km az=147.0.
NNC Event type se. Error ellipse: s-maj=41.1km s-min=23.6km az=174.0.
NNC II 13 03 07 36.1–12 37.17N 70.90E 0 3.5b,3.2
¶612085180
NNC Event type se. Error ellipse: s-maj=109.7km s-min=82.3km az=150.0.
ISC II 13 05 57 42.9–.47 36.26N–.05 71.51E–.06 114 4.1b 81 3-82
IDC II 13 05 57 41.0–3.7 36.23N 71.56E 85–30 3.8,3.3b ¶610243800
NEIC II 13 05 57 43.5–1.5 36.41N–.03 71.38E–.09 93–8 4.4b,3.3b
NNC II 13 05 57 47.5–2.9 36.72N 71.27E 151–64 3.7,3.0b
ISC Event type se.
IDC Error ellipse: s-maj=31.1km s-min=21.9km az=158.0.
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=2.3km az=69.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=28.0km s-min=25.1km az=159.0.
ISC II 13 11 20 30.0–1.6 36.5N–.10 71.4E–.30 200 3.1b 13 6-84
IDC II 13 11 20 32.6–7.1 36.47N 72.08E 211–50 3.4,3.1b ¶610415449
NNC II 13 11 20 34.6–10 37.11N 70.52E 232–342 3.4,2.2b
ISC Event type se.
IDC Error ellipse: s-maj=93.4km s-min=33.3km az=73.0.
NNC Event type se. Error ellipse: s-maj=177.5km s-min=61.3km az=176.0.
ISC II 14 01 51 40.0–.34 36.42N–.03 71.04E–.03 146–3 4.6b 565 2-150
MOS II 14 01 51 38.7–.87 36.49N 71.10E 144 4.7b ¶610208948
NNC II 14 01 51 40.5–1.6 37.97N 72.29E 0 5.5b,5.1
IDC II 14 01 51 41.2–.58 36.33N 71.00E 165–5 4.7,4.1b
NEIC II 14 01 51 41.1–1.8 36.50N–.05 70.95E–.08 152–6 4.7b,4.1b
ISC Event type se.
NNC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC II 14 06 28 26.1–6.0 37.33N 69.93E 0 3.9b,3.7
¶612085257
NNC Event type se. Error ellipse: s-maj=51.1km s-min=42.8km az=143.0.
NNC II 14 18 14 54.1–4.4 37.04N 71.62E 168–99 3.5,2.5b
¶612085289
NNC Event type se. Error ellipse: s-maj=55.3km s-min=29.7km az=37.0.
ISC II 14 21 54 21.5–1.2 36.40N–.09 71.3E–.10 100 20 6-67
IDC II 14 21 54 26.5–8.9 36.71N 71.02E 99–65 3.9s,3.6 ¶610415533
NNC II 14 21 54 31.0–12 37.57N 70.22E 0 4.1b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=79.9km s-min=48.7km az=162.0.
NNC Event type se. Error ellipse: s-maj=114.3km s-min=81.4km az=155.0.
ISC II 16 23 20 35.6–.39 36.58N–.04 71.36E–.04 114 4.1b 234 3-82
IDC II 16 23 20 32.2–3.1 36.21N 71.46E 98–25 4.2,3.8b ¶610223760
BJI II 16 23 20 35.4–.00 36.58N 71.38E 107 4.4b,4.2b
MOS II 16 23 20 36.3–.93 36.65N 71.41E 125 4.2b,4.2b
NEIC II 16 23 20 37.6–1.8 36.61N–.07 71.32E–.09 119–6 4.3b,4.2b
NNC II 16 23 20 39.0–1.1 36.88N 71.04E 142–12 4.4,3.5b
ISC Event type se.
IDC Error ellipse: s-maj=24.6km s-min=13.5km az=159.0.
MOS Error ellipse: s-maj=8.1km s-min=4.0km az=86.2.
NEIC Event type se. Error ellipse: s-maj=11.8km s-min=9.5km az=51.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=9.4km s-min=6.2km az=161.0.
ISC II 18 00 55 39.1–2.2 38.5N–.20 70.69E–.09 35 26 4-79
SOME II 18 00 55 32.5 39.03N 71.28E 10 ¶610415735
NNC II 18 00 55 37.6–3.1 38.75N 70.69E 0 4.0b,3.6
IDC II 18 00 55 54.0–9.5 38.46N 72.68E 154–72 3.5,2.9b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=24.2km s-min=15.5km az=175.0.
IDC Error ellipse: s-maj=340.4km s-min=45.7km az=138.0.
ISC II 18 01 21 34.4–2.7 37.2N–.20 71.7E–.10 150 18 5-19
IDC II 18 01 21 36.8–16 36.02N 72.80E 332–186 3.6 ¶610415737
NNC II 18 01 21 37.3–4.9 37.65N 71.42E 0 3.6b,3.2
ISC Event type se.
IDC Error ellipse: s-maj=270.4km s-min=53.2km az=157.0.
NNC Event type se. Error ellipse: s-maj=38.9km s-min=28.8km az=161.0.
ISC II 18 03 16 40.1–1.4 37.8N–.10 69.55E–.09 12 3.4b 26 5-80
NNC II 18 03 16 35.9–1.8 37.69N 69.28E 0 3.9b,3.5 ¶610415741
IDC II 18 03 16 37.2–2.0 37.63N 69.79E 0 3.8,3.6b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=16.6km s-min=12.5km az=5.0.
IDC Error ellipse: s-maj=37.9km s-min=14.5km az=148.0.
ISC II 19 00 04 52.1–.47 36.48N–.05 71.13E–.05 150 4.0b 124 3-84
IDC II 19 00 04 48.9–3.0 36.28N 71.10E 130–25 4.1,3.8s ¶610231539
MOS II 19 00 04 51.8–.76 36.50N 71.11E 164 4.1b,3.8s
NEIC II 19 00 04 52.7–1.2 36.55N–.05 71.1E–.10 153–5 4.2b,3.8s
NNC II 19 00 04 52.7–1.7 36.69N 70.75E 102–59 4.5,3.9b
BJI II 19 00 04 53.7–.00 36.62N 71.26E 166 4.8b,4.3b
ISC Event type se.
IDC Error ellipse: s-maj=20.7km s-min=17.4km az=24.0.
MOS Error ellipse: s-maj=15.2km s-min=5.5km az=80.3.
NEIC Event type se. Error ellipse: s-maj=12.8km s-min=7.8km az=98.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=17.5km s-min=11.8km az=153.0.
NNC II 19 18 45 05.5–22 37.67N 69.60E 0 3.7b,3.3
¶612085661
NNC Event type se. Error ellipse: s-maj=177.7km s-min=154.8km az=178.0.
ISC II 20 03 46 27.1–1.6 37.6N–.20 70.04E–.10 30 3.4b 18 5-80
IDC II 20 03 46 20.2–2.5 37.25N 70.43E 0 3.6b,3.5 ¶610384666
NNC II 20 03 46 25.4–3.0 37.75N 69.98E 0 3.4b,3.0
ISC Event type se.
IDC Error ellipse: s-maj=46.2km s-min=19.2km az=150.0.
NNC Event type se. Error ellipse: s-maj=29.0km s-min=24.9km az=170.0.
ISC II 21 11 37 20.2–.95 36.34N–.08 71.06E–.07 100 16 6-81
IDC II 21 11 37 24.1–6.0 36.69N 70.68E 86–41 3.4,3.2b ¶610384745
NNC II 21 11 37 24.9–4.8 36.95N 70.76E 0 3.5b,3.1
ISC Event type se.
IDC Error ellipse: s-maj=75.5km s-min=19.6km az=151.0.
NNC Event type se. Error ellipse: s-maj=51.7km s-min=28.6km az=139.0.
ISC II 21 13 32 44.3–.37 36.46N–.04 71.05E–.04 100 4.4b 213 3-84
BJI II 21 13 32 43.3–.00 36.48N 70.87E 111 4.9b,4.4b ¶610239210
MOS II 21 13 32 43.6–1.0 36.42N 71.07E 116 4.3b,4.4b
IDC II 21 13 32 43.6–2.5 36.22N 71.05E 113–22 4.3,3.9b
NEIC II 21 13 32 46.9–2.4 36.46N–.07 71.00E–.09 129–6 4.5b,3.9b
NNC II 21 13 32 49.1–2.8 36.77N 71.11E 141–39 4.5,3.7b
ISC Event type se.
MOS Error ellipse: s-maj=8.6km s-min=4.0km az=82.3.
IDC Error ellipse: s-maj=14.9km s-min=12.1km az=13.0.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=9.2km az=56.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=25.4km s-min=21.8km az=34.0.
NNC II 21 22 51 43.2–6.1 37.68N 71.57E 0 3.6b,3.1
¶612085775
NNC Event type se. Error ellipse: s-maj=49.3km s-min=39.0km az=152.0.

ISC II 22 07 46 29.5–2.6 37.3N–.20 71.2E–.20 68 8 5-80
NNC II 22 07 46 29.3–3.9 37.29N 71.13E 73–121 3.1,3.1b ¶612085808
IDC II 22 07 46 40.8–7.5 36.94N 75.66E 0 3.2,3.0b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=37.6km s-min=29.3km az=103.0.
IDC Error ellipse: s-maj=439.4km s-min=45.7km az=120.0.
ISC II 24 01 48 31.1–.97 36.77N–.09 71.5E–.10 106 3.6b 47 6-84
IDC II 24 01 48 26.9–3.4 36.48N 71.48E 73–29 4.1s,3.8 ¶610243831
NNC II 24 01 48 36.0–1.9 37.17N 71.36E 183–25 4.2,3.2b
ISC Event type se.
IDC Error ellipse: s-maj=26.4km s-min=19.3km az=9.0.
NNC Event type se. Error ellipse: s-maj=19.1km s-min=9.8km az=27.0.
ISC II 26 05 57 02.6–.43 36.39N–.04 71.33E–.05 114 4.0b 148 3-84
IDC II 26 05 56 58.5–3.1 36.15N 71.53E 79–26 4.0,3.6b ¶610241383
NNC II 26 05 56 59.2–3.4 36.76N 70.81E 0 4.8b,4.7
MOS II 26 05 57 01.7–1.3 36.44N 71.33E 112 4.1b,4.7
BJI II 26 05 57 02.0–.00 36.63N 71.16E 111 4.9b,4.5b
NEIC II 26 05 57 03.6–1.3 36.46N–.05 71.24E–.07 104–8 4.1b,4.5b
ISC Event type se.
NNC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 26 14 06 32.1–1.7 37.3N–.10 71.6E–.10 109 3.6b 26 5-80
NNC II 26 14 06 36.9–4.2 37.86N 71.37E 0 3.8b,3.3 ¶610385068
IDC II 26 14 06 37.9–8.3 37.59N 71.77E 152–52 3.6,3.4b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=47.9km s-min=15.9km az=172.0.
IDC Error ellipse: s-maj=72.7km s-min=43.3km az=178.0.
ISC II 26 19 02 02.1–1.8 36.9N–.10 71.6E–.20 200 13 5-66
IDC II 26 19 02 00.1–6.3 36.78N 71.55E 192–55 3.3,2.8b ¶610385080
NNC II 26 19 02 02.6–8.3 37.30N 70.94E 0 3.5b,3.1
ISC Event type se.
IDC Error ellipse: s-maj=75.3km s-min=45.9km az=139.0.
NNC Event type se. Error ellipse: s-maj=90.5km s-min=27.9km az=147.0.
ISC II 28 12 19 24.3–1.3 37.0N–.10 71.19E–.10 150 3.5b 30 5-84
IDC II 28 12 19 15.6–3.7 36.23N 71.83E 120–29 3.7,3.4b ¶610246705
NNC II 28 12 19 21.6–3.3 36.92N 71.00E 116–64 3.6,3.0b
ISC Event type se.
IDC Error ellipse: s-maj=29.7km s-min=20.4km az=158.0.
NNC Event type se. Error ellipse: s-maj=26.8km s-min=24.6km az=33.0.
ISC II 28 19 28 01.0–1.6 36.7N–.10 71.5E–.20 150 13 6-17
NNC II 28 19 28 07.6–.28 37.08N 71.40E 156–6 2.9,2.2b ¶612086299
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=3.3km s-min=2.0km az=41.0.
ISC III 01 03 13 41.2–.54 36.57N–.05 71.35E–.06 250 3.6b 82 3-84
IDC III 01 03 13 38.4–2.6 36.42N 71.30E 206–24 4.0,3.8s ¶610476259
NEIC III 01 03 13 41.2–1.4 36.60N–.08 71.30E–.09 233–7 4.1b,3.8s
NNC III 01 03 13 48.4–5.1 37.20N 71.54E 251–56 4.6,3.3b
ISC Event type se.
IDC Error ellipse: s-maj=20.9km s-min=15.7km az=167.0.
NEIC Event type se. Error ellipse: s-maj=11.4km s-min=10.5km az=170.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=50.7km s-min=26.6km az=10.0.
ISC III 01 15 11 45.2–3.7 36.8N–.20 71.1E–.10 88 12 6-15
NNC III 01 15 11 46.2–7.2 37.25N 70.84E 0 3.7b,3.4 ¶612086352
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=71.3km s-min=39.8km az=153.0.
NNC III 02 00 09 59.0–9.0 37.56N 71.13E 0 3.5b,3.1 ¶612086385
NNC Event type se. Error ellipse: s-maj=96.8km s-min=57.2km az=153.0.
ISC III 02 00 37 47.8–.44 36.51N–.04 71.02E–.05 188 3.7b 71 3-84
IDC III 02 00 37 45.9–2.6 36.33N 70.91E 174–25 3.8,3.3b ¶610545357
NEIC III 02 00 37 49.6–1.7 36.60N–.07 70.95E–.07 193–5 4.2b,3.3b
NNC III 02 00 37 52.7–2.0 37.15N 70.86E 0 4.6b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=18.8km s-min=13.0km az=14.0.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=8.1km az=174.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=26.9km s-min=13.6km az=70.0.
ISC III 02 17 29 56.4–1.5 36.45N–.09 71.3E–.20 200 21 6-17
NNC III 02 17 29 59.1–3.8 36.95N 70.97E 0 3.9b,3.6 ¶610476273
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=33.0km s-min=26.4km az=137.0.
NNC III 03 13 11 12.3–3.2 37.24N 71.10E 0 3.6b,3.2 ¶612086532
NNC Event type se. Error ellipse: s-maj=25.5km s-min=20.7km az=160.0.
NNC III 03 17 18 16.9–6.0 37.02N 70.52E 0 3.7b,3.3 ¶612086540
NNC Event type se. Error ellipse: s-maj=54.6km s-min=45.6km az=85.0.
ISC III 04 17 08 20.8–2.3 37.1N–.20 71.2E–.20 250 3.4b 10 5-66
IDC III 04 17 08 17.2–13 36.54N 71.22E 267–178 3.7,3.2b ¶610545539
NNC III 04 17 08 20.6–2.5 37.09N 71.23E 212–54 2.9,1.9b
ISC Event type se.
IDC Error ellipse: s-maj=109.0km s-min=54.6km az=98.0.
NNC Event type se. Error ellipse: s-maj=34.6km s-min=17.4km az=36.0.
ISC III 04 22 32 46.6–1.3 36.9N–.10 71.18E–.08 200 3.3b 35 5-81
IDC III 04 22 32 40.0–4.5 36.31N 71.42E 162–31 3.8,3.2b ¶610472618
SOME III 04 22 32 43.0 38.02N 72.23E 10 3.8,3.2b
NNC III 04 22 32 50.0–1.5 37.20N 71.28E 194–20 3.8,2.8b
ISC Event type se.
IDC Error ellipse: s-maj=54.1km s-min=22.1km az=148.0.
NNC Event type se. Error ellipse: s-maj=15.2km s-min=9.5km az=13.0.
ISC III 05 02 45 38.1–.85 36.73N–.08 71.21E–.10 250 3.5b 38 3-84
IDC III 05 02 45 32.6–2.6 36.33N 71.16E 210–23 4.0,3.4b ¶610472628
NNC III 05 02 45 43.5–4.0 37.17N 71.35E 268–43 4.1,2.7b
ISC Event type se.
IDC Error ellipse: s-maj=18.6km s-min=15.7km az=159.0.
NNC Event type se. Error ellipse: s-maj=42.7km s-min=33.3km az=167.0.
ISC III 05 14 41 27.1–.44 36.35N–.04 71.22E–.05 100 4.2b 161 3-84
IDC III 05 14 41 22.8–3.3 36.10N 71.14E 59–27 4.0,3.8L ¶610245392
MOS III 05 14 41 25.9–1.1 36.46N 71.17E 87 4.6b,3.8L
NEIC III 05 14 41 27.1–1.6 36.45N–.04 71.03E–.09 86–3 4.4b,3.8L
NNC III 05 14 41 30.3–2.5 36.72N 71.06E 115–34 4.1,3.6b
ISC Event type se.
IDC Error ellipse: s-maj=22.2km s-min=16.1km az=1.0.
MOS Error ellipse: s-maj=11.9km s-min=5.5km az=86.9.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=6.5km az=91.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=22.0km s-min=18.2km az=147.0.
ISC III 07 03 59 46.1–1.3 37.3N–.10 68.66E–.08 10 3.6b 23 6-84
IDC III 07 03 59 40.4–1.3 36.73N 69.10E 0 3.7,3.7b ¶610247810
NNC III 07 03 59 47.1–3.5 37.25N 68.79E 0 3.8b,3.4
ISC Event type se.
IDC Error ellipse: s-maj=25.1km s-min=13.9km az=145.0.
NNC Event type se. Error ellipse: s-maj=31.1km s-min=25.2km az=108.0.
NNC III 09 04 08 18.3–2.9 37.20N 71.06E 0 3.6b,3.3 ¶612086841
NNC Event type se. Error ellipse: s-maj=26.1km s-min=22.9km az=109.0.
ISC III 09 06 18 44.3–.38 36.37N–.04 71.34E–.04 114 4.3b 210 3-84
IDC III 09 06 18 41.2–2.8 36.19N 71.44E 83–24 4.2,3.8b ¶610305063
MOS III 09 06 18 41.8–1.2 36.34N 71.38E 90 4.4b,3.8b
BJI III 09 06 18 43.3–.00 36.56N 71.33E 99 4.6b,4.4b
NEIC III 09 06 18 45.3–1.5 36.42N–.05 71.33E–.09 113–2 4.4b,4.4b
NNC III 09 06 18 46.6–1.6 36.65N 71.05E 124–25 4.2,3.6b
ISC Event type se.
IDC Error ellipse: s-maj=18.3km s-min=13.5km az=174.0.
MOS Error ellipse: s-maj=7.9km s-min=4.7km az=91.1.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=7.1km az=74.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=14.3km s-min=10.1km az=169.0.
NNC III 11 08 22 11.5–6.9 36.92N 71.07E 0 3.6b,3.2 ¶612087012
NNC Event type se. Error ellipse: s-maj=65.9km s-min=49.8km az=123.0.
ISC III 12 10 54 53.5–.74 36.30N–.07 71.13E–.07 100 3.6b 42 6-84
IDC III 12 10 54 51.0–3.5 36.13N 71.11E 61–29 3.8,3.5b ¶610470950
NNC III 12 10 55 00.9–3.3 36.87N 70.98E 135–42 4.1,3.4b
ISC Event type se.
IDC Error ellipse: s-maj=26.3km s-min=20.5km az=9.0.
NNC Event type se. Error ellipse: s-maj=30.5km s-min=22.5km az=21.0.
NNC III 12 12 47 21.6–23 37.18N 69.47E 0 3.6b,3.2 ¶612087078
NNC Event type se. Error ellipse: s-maj=327.0km s-min=182.9km az=144.0.
NNC III 14 23 32 41.1–5.2 37.18N 70.89E 0 3.6b,3.2 ¶612087219
NNC Event type se. Error ellipse: s-maj=48.0km s-min=36.6km az=131.0.
ISC III 15 08 24 54.6–.77 36.59N–.07 71.00E–.07 188 3.2b 40 6-84
NNC III 15 08 24 54.9–4.4 37.04N 70.67E 0 4.0b,3.7 ¶610546240
IDC III 15 08 24 56.7–3.1 36.53N 71.44E 177–28 3.8,3.2b
SOME III 15 08 24 57.0 38.10N 71.63E 0 3.8,3.2b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=34.8km s-min=25.2km az=167.0.
IDC Error ellipse: s-maj=26.4km s-min=24.0km az=34.0.
NNC III 15 16 08 27.7–4.1 37.11N 70.50E 0 3.9b,3.5 ¶610472811
NNC Event type se. Error ellipse: s-maj=30.9km s-min=29.9km az=146.0.
NNC III 16 07 15 44.9–3.2 37.06N 70.74E 0 3.6b,3.2 ¶612087326
NNC Event type se. Error ellipse: s-maj=29.1km s-min=25.0km az=112.0.
ISC III 18 07 04 47.3–.36 38.03N–.03 70.41E–.04 10 4.2b,3.5s 174 1-86
IDC III 18 07 04 45.5–.85 37.99N 70.50E 0 4.0,4.0b ¶610344758
BJI III 18 07 04 46.0–.00 38.25N 70.75E 10 4.8b,4.5b
NEIC III 18 07 04 47.6–1.7 38.08N–.03 70.54E–.04 10–1 4.5b,4.5b
MOS III 18 07 04 48.6–1.1 38.09N 70.52E 24 4.3b,4.5b
NNC III 18 07 04 48.4–3.0 38.19N 70.11E 0 4.2b,3.6
ISC Event type se.
IDC Error ellipse: s-maj=16.4km s-min=11.1km az=152.0.
NEIC Event type se. Error ellipse: s-maj=6.3km s-min=4.2km az=225.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
MOS Error ellipse: s-maj=8.3km s-min=4.9km az=82.7.
NNC Event type se. Error ellipse: s-maj=37.0km s-min=15.0km az=157.0.
ISC III 20 01 40 06.1–3.5 36.8N–.20 71.2E–.20 200 10 6-15
NNC III 20 01 40 02.1–6.3 36.89N 70.91E 0 3.6b,3.4 ¶612087595
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=60.0km s-min=45.4km az=125.0.
ISC III 21 22 47 24.9–.74 36.76N–.09 71.29E–.09 200 3.2b 32 5-82
NNC III 21 22 47 21.6–40 37.56N 74.33E 227–417 3.6,2.5b ¶610543430
IDC III 21 22 47 22.3–4.2 36.46N 71.38E 184–37 3.6,3.1b
SOME III 21 22 47 31.1 38.38N 71.57E 0 3.6,3.1b
ISC Event type ke.
NNC Event type se. Error ellipse: s-maj=426.8km s-min=149.4km az=1.0.
IDC Error ellipse: s-maj=32.2km s-min=23.3km az=166.0.
ISC III 22 06 48 30.2–.70 36.40N–.08 71.39E–.06 100 3.9b 46 5-66
IDC III 22 06 48 27.1–4.6 36.12N 71.65E 76–35 3.9,3.8s ¶610416135
NNC III 22 06 48 44.1–18 37.45N 69.51E 0 4.6,4.2b
ISC Event type se.
IDC Error ellipse: s-maj=47.3km s-min=21.6km az=160.0.
NNC Event type se. Error ellipse: s-maj=179.7km s-min=76.1km az=141.0.
IDC III 22 19 21 13.3–5.7 36.99N 72.47E 105–53 3.4 ¶610543484
IDC Error ellipse: s-maj=65.4km s-min=27.3km az=143.0.
ISC III 23 06 46 50.2–1.0 37.16N–.09 71.56E–.08 106 27 5-81
IDC III 23 06 46 48.2–19 36.75N 71.98E 111–97 3.7,3.5L ¶610472903
NNC III 23 06 47 00.9–17 37.99N 70.69E 0 3.9b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=204.6km s-min=53.3km az=2.0.
NNC Event type se. Error ellipse: s-maj=164.8km s-min=116.8km az=112.0.
ISC III 23 11 46 23.4–.45 37.39N–.04 72.00E–.06 10 3.9b,3.3s 65 4-82
IDC III 23 11 46 22.2–.83 37.42N 72.15E 0 3.9,3.9b ¶610471014
NNC III 23 11 46 22.1–2.1 37.41N 71.69E 0 4.5b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=15.7km s-min=14.6km az=169.0.
NNC Event type se. Error ellipse: s-maj=19.4km s-min=11.8km az=31.0.
ISC III 23 12 23 43.3–.46 36.46N–.04 71.22E–.04 230–5 4.1b 176 3-150
NNC III 23 12 23 40.2–3.4 36.91N 71.72E 0 4.5b,4.3 ¶610431604
MOS III 23 12 23 42.5–.91 36.50N 71.16E 234 4.1b,4.3
IDC III 23 12 23 44.4–.77 36.45N 71.20E 241–7 4.3,3.6b
BJI III 23 12 23 44.5–.00 36.85N 71.18E 234 4.4b,4.2b
NEIC III 23 12 23 44.2–1.6 36.54N–.07 71.17E–.07 230–7 4.2b,4.2b
ISC Event type se.
NNC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 23 13 55 31.3–1.8 37.6N–.10 71.72E–.09 10 17 5-19
IDC III 23 13 55 28.4–5.6 36.82N 72.01E 51–61 3.5,3.0L ¶610543542
NNC III 23 13 55 30.4–4.4 37.70N 71.83E 0 4.0b,3.6
ISC Event type se.
IDC Error ellipse: s-maj=67.3km s-min=27.5km az=142.0.
NNC Event type se. Error ellipse: s-maj=34.1km s-min=30.2km az=105.0.
ISC III 23 23 18 51.9–2.4 36.6N–.20 71.5E–.20 114 15 6-81
IDC III 23 23 18 53.5–7.4 36.66N 71.41E 121–46 3.4,2.8b ¶610543566
ISC Event type ke.
IDC Error ellipse: s-maj=101.1km s-min=27.3km az=145.0.
ISC III 25 06 23 05.4–.51 36.73N–.05 71.16E–.05 100 3.9b 87 2-82
IDC III 25 06 22 59.5–3.8 36.41N 71.15E 52–30 4.0L,3.9 ¶610434915
NEIC III 25 06 23 05.0–.89 36.78N–.06 70.97E–.09 80–8 4.3b,3.9
NNC III 25 06 23 09.8–7.2 37.17N 71.18E 127–78 4.0,3.5b
ISC Event type se.
IDC Error ellipse: s-maj=32.1km s-min=20.6km az=175.0.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=8.9km az=103.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=70.8km s-min=45.4km az=19.0.
ISC III 25 06 24 18.7–1.4 36.7N–.30 71.3E–.10 100 3.5b 9 11-82
IDC III 25 06 24 07.1–1.5 37.12N 72.01E 0 3.9,3.9L ¶610543631
ISC Event type ke.
IDC Error ellipse: s-maj=38.0km s-min=24.0km az=26.0.
ISC III 25 07 19 46.1–.46 37.13N–.05 71.67E–.05 100 4.1b 130 2-81
IDC III 25 07 19 44.4–4.3 36.95N 71.78E 95–27 4.1,3.7b ¶610434914
SOME III 25 07 19 47.9 38.48N 72.30E 10 4.1,3.7b
MOS III 25 07 19 48.0–.90 37.29N 71.67E 124 4.2b,3.7b
NEIC III 25 07 19 49.2–1.5 37.36N–.06 71.68E–.08 115–7 4.3b,3.7b
NNC III 25 07 19 53.4–9.1 37.79N 70.50E 0 4.4b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=45.6km s-min=18.8km az=156.0.
MOS Error ellipse: s-maj=11.4km s-min=5.6km az=87.6.
NEIC Event type se. Error ellipse: s-maj=10.2km s-min=8.1km az=123.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=117.6km s-min=67.9km az=126.0.
ISC III 25 11 11 48.8–.41 36.66N–.04 71.37E–.04 186–4 4.0b 228 2-84
MOS III 25 11 11 48.3–.99 36.71N 71.42E 192 4.2b ¶610435121
BJI III 25 11 11 49.5–.00 36.86N 71.40E 186 4.6b,4.6b
NEIC III 25 11 11 49.6–1.7 36.75N–.02 71.33E–.10 186–7 4.4b,4.6b
IDC III 25 11 11 49.6–.65 36.63N 71.41E 195–5 4.3,3.7s
NNC III 25 11 11 51.2–14 36.97N 71.05E 179–159 5.1,4.0b
SOME III 25 11 11 57.3 37.53N 71.70E 5 5.1,4.0b

ISC Event type se.
MOS Error ellipse: s-maj=7.4km s-min=3.9km az=84.8.
NEIC Event type se. Error ellipse: s-maj=11.4km s-min=2.4km az=81.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=12.6km s-min=9.0km az=35.0.
NNC Event type se. Error ellipse: s-maj=140.1km s-min=65.9km az=18.0.
ISC III 25 21 05 32.6–2.2 36.8N–.20 71.1E–.10 100 12 6-44
IDC III 25 21 05 29.0–5.6 36.63N 71.17E 59–34 3.5,3.3b **¶610543669**
ISC Event type ke.
IDC Error ellipse: s-maj=65.2km s-min=20.3km az=152.0.
ISC III 26 14 11 17.8–.40 36.63N–.04 71.35E–.04 114 4.2b 165 3-84
IDC III 26 14 11 15.7–3.0 36.38N 71.49E 98–25 4.0,3.7s **¶610435167**
MOS III 26 14 11 17.1–1.1 36.59N 71.36E 118 4.3b,3.7s
NEIC III 26 14 11 18.6–2.3 36.63N–.06 71.27E–.08 118–5 4.5b,3.7s
NNC III 26 14 11 19.6–2.7 37.12N 70.88E 0 4.9,4.8b
ISC Event type se.
IDC Error ellipse: s-maj=20.4km s-min=15.8km az=165.0.
MOS Error ellipse: s-maj=9.9km s-min=5.2km az=87.2.
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=9.1km az=85.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=25.2km s-min=20.8km az=133.0.
ISC III 27 16 42 12.0–.52 37.29N–.05 69.59E–.05 27 3.9b 75 1-86
IDC III 27 16 42 08.3–.94 37.26N 69.76E 0 3.8,3.7b **¶610436962**
NNC III 27 16 42 12.6–3.2 37.52N 69.55E 0 4.2b,3.8
NEIC III 27 16 42 13.7–1.5 37.34N–.04 69.67E–.06 34–8 4.0b,3.8
ISC Event type se.
NNC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 28 07 31 20.9–.56 36.56N–.05 71.04E–.06 200 4.0b 83 3-84
IDC III 28 07 31 18.2–2.5 36.34N 70.97E 180–21 4.2,3.7b **¶610471034**
SOME III 28 07 31 21.9 37.95N 72.10E 0 4.2,3.7b
NEIC III 28 07 31 22.3–2.3 36.61N–.08 71.03E–.05 212–9 4.2b,3.7b
NNC III 28 07 31 27.4–2.4 37.05N 70.99E 220–28 4.2,3.1b
ISC Event type se.
IDC Error ellipse: s-maj=18.1km s-min=14.5km az=1.0.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=5.8km az=178.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=23.4km s-min=14.0km az=20.0.
ISC III 28 23 51 21.7–.47 37.57N–.04 71.75E–.04 10 4.0b 125 2-82
IDC III 28 23 51 18.8–1.0 37.41N 72.12E 0 3.9,3.9b **¶610441398**
SOME III 28 23 51 19.9 37.72N 72.17E 5 3.9,3.9b
NNC III 28 23 51 22.7–1.4 37.79N 71.77E 0 4.6b,4.3
NEIC III 28 23 51 22.9–2.1 37.62N–.08 71.7E–.10 16–5 4.1b,4.3
ISC Event type se.
NNC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 29 10 56 35.9–.82 36.44N–.07 71.34E–.09 100 3.7b 31 6-81
IDC III 29 10 56 32.5–6.8 36.11N 71.30E 79–48 3.7,3.5b **¶610471036**
NNC III 29 10 56 43.8–9.2 36.98N 71.29E 156–145 3.5,2.8b
ISC Event type se.
IDC Error ellipse: s-maj=69.6km s-min=32.4km az=158.0.
NNC Event type se. Error ellipse: s-maj=84.0km s-min=69.8km az=0.0.
ISC III 30 01 48 08.6–3.9 36.6N–.20 71.1E–.20 100 13 6-15
NNC III 30 01 48 07.9–9.0 36.93N 70.90E 0 4.1b,3.8 **¶610473006**
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=78.0km s-min=70.3km az=121.0.
ISC III 30 09 51 27.6–1.5 37.6N–.10 71.84E–.09 130 3.5b 30 5-80
IDC III 30 09 51 26.4–5.8 37.41N 72.21E 134–42 3.8,3.7s **¶610473008**
NNC III 30 09 51 32.5–4.6 38.09N 72.05E 0 4.2b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=53.8km s-min=33.8km az=157.0.
NNC Event type se. Error ellipse: s-maj=36.9km s-min=28.4km az=158.0.
NNC III 30 13 28 15.3–3.5 37.12N 71.87E 0 3.6b,2.8
¶612088312
NNC Event type se. Error ellipse: s-maj=33.4km s-min=23.5km az=124.0.
NNC III 30 20 23 08.7–5.1 36.92N 71.19E 0 3.7b,3.3
¶612088320
NNC Event type se. Error ellipse: s-maj=44.2km s-min=35.9km az=134.0.
ISC III 30 23 03 10.0–.51 36.47N–.05 71.56E–.06 114 4.0b 91 3-81
NNC III 30 23 03 03.5–4.2 36.51N 70.84E 0 4.3,4.2b **¶610460775**
IDC III 30 23 03 05.3–3.7 36.22N 71.29E 64–30 4.0,3.7s
NEIC III 30 23 03 09.9–2.7 36.47N–.06 71.25E–.07 90–9 4.0b,3.7s
ISC Event type se.
NNC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC III 30 23 40 47.9–4.4 37.06N 70.54E 0 3.6b,3.3
¶612088323
NNC Event type se. Error ellipse: s-maj=34.9km s-min=26.9km az=158.0.
ISC IV 01 08 15 34.6–1.7 37.2N–.10 70.94E–.08 100 31 5-37
IDC IV 01 08 15 33.7–5.5 37.22N 70.92E 61–35 3.9,3.6b **¶610651688**
NNC IV 01 08 15 40.2–2.2 37.53N 71.25E 175–37 3.8,3.0b
ISC Event type se.
IDC Error ellipse: s-maj=69.3km s-min=19.3km az=154.0.
NNC Event type se. Error ellipse: s-maj=23.7km s-min=11.1km az=25.0.
ISC IV 01 08 26 11.8–2.1 37.1N–.10 71.1E–.10 100 17 5-81
NNC IV 01 08 26 13.6–2.6 37.26N 71.08E 132–51 3.6,2.9b **¶610651690**
IDC IV 01 08 26 14.1–8.4 37.09N 71.57E 113–54 3.6,3.2s
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=23.5km s-min=17.7km az=33.0.
IDC Error ellipse: s-maj=77.1km s-min=54.2km az=156.0.
ISC IV 01 20 14 14.1–.70 36.20N–.08 71.11E–.06 50 3.5b 47 6-84
IDC IV 01 20 14 14.3–3.6 36.13N 71.20E 53–29 4.1s,3.8 **¶610639816**
NNC IV 01 20 14 23.3–3.8 36.88N 70.65E 76–86 3.5b,3.4
ISC Event type se.
IDC Error ellipse: s-maj=30.3km s-min=18.9km az=173.0.
NNC Event type se. Error ellipse: s-maj=32.1km s-min=26.8km az=67.0.
ISC IV 02 03 44 01.1–3.3 37.2N–.20 70.9E–.10 250 13 5-16
NNC IV 02 03 44 01.6–9.8 37.30N 71.21E 296–127 3.6,2.3b **¶612036930**
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=115.0km s-min=89.3km az=4.0.
ISC IV 03 18 43 19.3–.95 36.23N–.08 71.27E–.07 100 3.5b 24 6-82
IDC IV 03 18 43 11.9–8.7 35.52N 71.71E 59–41 3.6,3.5b **¶610651865**
NNC IV 03 18 43 28.7–6.0 36.96N 71.24E 223–92 3.4,2.4b
ISC Event type se.
IDC Error ellipse: s-maj=110.4km s-min=30.3km az=158.0.
NNC Event type se. Error ellipse: s-maj=60.9km s-min=40.8km az=25.0.
ISC IV 04 04 48 37.1–.31 36.69N–.03 71.43E–.03 175–2 4.9b 886 2-150
NNC IV 04 04 48 32.6–2.0 36.95N 71.23E 0 5.3b,5.1 **¶610476810**
MOS IV 04 04 48 34.0–.93 36.58N 71.43E 180 5.0b,5.1
IDC IV 04 04 48 37.9–.58 36.58N 71.42E 189–5 5.0,4.4b
NEIC IV 04 04 48 38.5–1.4 36.78N–.06 71.36E–.07 178–4 4.8b,4.4b
BJI IV 04 04 48 38.4–.00 36.88N 71.56E 181 4.7b,4.7b
GCMT IV 04 04 48 39.5–.40 36.63N–.03 71.18E–.03 192–4 4.9W,4.7b
SOME IV 04 04 48 41.7 37.23N 71.77E 15 4.9W,4.7b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=18.7km s-min=11.0km az=158.0.
MOS Error ellipse: s-maj=3.9km s-min=2.7km az=109.1.
IDC Error ellipse: s-maj=9.2km s-min=6.8km az=15.0.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=8.1km az=141.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s10,c10; s90,c115;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}1.95±.13 $M_{\theta\theta}$-1.23±.17; $M_{\phi\phi}$-0.72±.17; $M_{r\theta}$0.78±.11; $M_{\theta\phi}$-1.39±.16; $M_{\phi r}$1.77±.11; Best double couple: NP1:ϕ_s32.00000°,δ67.00000°,λ72.00000°. NP2:ϕ_s251.00000°,δ29.00000°,λ125.00000°. Principal axes: T 2.8330,Plg64.0000° ,Azm273.0000°; N 0.1830,Plg16.0000°,Azm39.0000°; P -3.0210,Plg20.0000°,Azm135.0000° $M_0$2.92700×10^{16}
ISC IV 04 05 09 44.1–1.3 36.9N–.10 71.2E–.10 200 3.1b 18 6-82
IDC IV 04 05 09 40.6–6.1 36.50N 71.16E 182–49 3.5,3.1b **¶610651891**
NNC IV 04 05 09 41.4–4.3 37.06N 70.69E 0 3.9b,3.4
ISC Event type se.
IDC Error ellipse: s-maj=55.8km s-min=27.0km az=41.0.
NNC Event type se. Error ellipse: s-maj=34.6km s-min=26.4km az=158.0.
ISC IV 04 21 41 06.2–.29 36.10N–.03 71.32E–.03 102–2 4.8b 676 2-150
MOS IV 04 21 41 05.5–.92 36.12N 71.42E 107 4.8b **¶610483607**
NNC IV 04 21 41 06.5–2.0 36.59N 70.77E 0 5.2b,4.9
BJI IV 04 21 41 06.2–.00 36.01N 71.57E 97 5.0b,4.6b
NEIC IV 04 21 41 07.4–1.4 36.14N–.05 71.36E–.07 108–5 4.9b,4.6b
IDC IV 04 21 41 09.2–2.3 36.08N 71.34E 130–21 4.7,4.4b
SOME IV 04 21 41 12.1 36.73N 71.33E 10 4.7,4.4b
ISC Event type se.
MOS Error ellipse: s-maj=5.1km s-min=3.1km az=88.6.
NNC Event type se. Error ellipse: s-maj=18.5km s-min=10.5km az=158.0.
NEIC Event type se. Error ellipse: s-maj=8.8km s-min=7.2km az=80.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=11.1km s-min=7.6km az=173.0.
NNC IV 04 23 58 58.3–3.6 37.75N 69.49E 12–14 3.5b,3.0
¶612037102
NNC Event type se. Error ellipse: s-maj=25.1km s-min=12.7km az=2.0.
ISC IV 05 12 51 26.2–.99 37.25N–.09 71.84E–.10 200 23 5-84
IDC IV 05 12 51 28.0–12 37.69N 71.60E 173–73 4.0,3.8s **¶610639836**
NNC IV 05 12 51 31.2–1.5 37.58N 71.87E 208–19 3.7,2.7b
ISC Event type se.
IDC Error ellipse: s-maj=292.9km s-min=27.8km az=158.0.
NNC Event type se. Error ellipse: s-maj=17.8km s-min=9.1km az=29.0.
ISC IV 08 02 18 22.4–.88 36.41N–.08 71.26E–.07 100 3.8b 28 6-81
IDC IV 08 02 18 23.7–5.6 36.44N 71.13E 97–41 3.7,3.4b **¶610598332**
NNC IV 08 02 18 28.7–4.8 36.79N 70.93E 108–95 3.4,3.1b
ISC Event type se.
IDC Error ellipse: s-maj=57.5km s-min=28.3km az=155.0.
NNC Event type se. Error ellipse: s-maj=43.4km s-min=33.8km az=60.0.
NNC IV 09 00 38 42.0–3.0 36.98N 71.14E 0 3.7b,3.3
¶612037318
NNC Event type se. Error ellipse: s-maj=27.3km s-min=22.6km az=98.0.
NNC IV 09 01 24 31.1–2.3 37.27N 71.17E 0 3.6b,3.4
¶612037321
NNC Event type se. Error ellipse: s-maj=21.4km s-min=18.3km az=104.0.
NNC IV 09 09 39 56.2–11 37.80N 71.66E 0 4.1b,3.7
¶612037339
NNC Event type se. Error ellipse: s-maj=87.1km s-min=70.3km az=163.0.
NNC IV 13 02 43 00.5–8.1 36.96N 71.04E 202–123 3.6,2.4b
¶612037513
NNC Event type se. Error ellipse: s-maj=88.5km s-min=58.8km az=31.0.
ISC IV 13 04 43 02.3–3.6 36.7N–.20 71.4E–.10 150 15 6-15
NNC IV 13 04 43 00.2–3.7 36.93N 71.14E 0 3.9b,3.9 **¶610639862**
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=34.3km s-min=29.0km az=106.0.
NNC IV 13 08 30 18.9–7.8 37.10N 69.90E 0 4.2b,3.9
¶610639863
NNC Event type se. Error ellipse: s-maj=75.2km s-min=62.4km az=106.0.
ISC IV 14 06 53 55.2–.51 36.44N–.05 71.14E–.06 250 3.5b 79 3-81
IDC IV 14 06 53 55.1–2.5 36.28N 70.90E 248–25 3.9,3.2b **¶610652691**
NEIC IV 14 06 53 56.0–1.7 36.53N–.08 71.2E–.10 242–8 4.0b,3.2b
NNC IV 14 06 53 59.2–7.0 36.80N 70.86E 215–101 3.9,2.7b
ISC Event type se.
IDC Error ellipse: s-maj=17.8km s-min=16.5km az=14.0.
NEIC Event type se. Error ellipse: s-maj=13.1km s-min=11.6km az=97.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=69.9km s-min=44.4km az=16.0.
ISC IV 14 11 44 33.6–2.9 37.7N–.20 70.0E–.10 10 11 5-57
IDC IV 14 11 44 10.0–4.0 35.93N 69.57E 0 3.6,3.4L **¶612037591**
NNC IV 14 11 44 39.0–3.7 38.15N 69.89E 0 3.2b,2.8
ISC Event type se.
IDC Error ellipse: s-maj=67.4km s-min=29.7km az=144.0.
NNC Event type se. Error ellipse: s-maj=28.5km s-min=24.5km az=139.0.
NNC IV 14 13 17 20.7–7.5 37.14N 71.25E 0 3.6b,3.2
¶610639869
NNC Event type se. Error ellipse: s-maj=60.1km s-min=51.4km az=143.0.
ISC IV 15 21 35 59.3–2.0 37.3N–.20 72.0E–.20 100 3.8b 15 5-67
IDC IV 15 21 35 56.5–6.7 36.94N 72.15E 93–55 3.7,3.4b **¶610652823**
NNC IV 15 21 36 02.4–13 37.63N 71.51E 129–313 3.2,2.6b
ISC Event type se.
IDC Error ellipse: s-maj=69.5km s-min=46.4km az=149.0.
NNC Event type se. Error ellipse: s-maj=123.9km s-min=84.9km az=12.0.
ISC IV 16 15 07 12.1–.76 36.61N–.07 71.14E–.08 200 3.4b 41 2-84
IDC IV 16 15 07 10.7–4.7 36.47N 71.17E 200–41 3.5,3.0b **¶610528780**
NEIC IV 16 15 07 14.8–.99 36.71N–.10 71.1E–.10 231–4 4.1b,3.0b
NNC IV 16 15 07 16.9–2.8 37.13N 71.13E 0 3.6b,3.5
ISC Event type se.
IDC Error ellipse: s-maj=39.4km s-min=22.1km az=35.0.
NEIC Event type se. Error ellipse: s-maj=15.5km s-min=12.0km az=141.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=22.3km s-min=18.2km az=158.0.
NNC IV 16 20 34 48.6–5.6 37.03N 71.39E 0 3.6b,3.2
¶612037684
NNC Event type se. Error ellipse: s-maj=56.2km s-min=43.2km az=81.0.
NNC IV 17 07 43 19.5–4.2 37.09N 70.61E 0 3.5b,3.1
¶612037700
NNC Event type se. Error ellipse: s-maj=40.7km s-min=24.8km az=150.0.
ISC IV 17 20 32 38.8–2.0 37.1N–.20 71.9E–.10 150 17 5-81
IDC IV 17 20 32 36.4–8.8 37.01N 72.01E 143–57 3.8,3.5s **¶610652948**
NNC IV 17 20 32 48.0–4.1 37.68N 71.96E 190–57 2.9,2.1b
ISC Event type se.
IDC Error ellipse: s-maj=73.9km s-min=47.8km az=177.0.
NNC Event type se. Error ellipse: s-maj=42.9km s-min=23.1km az=9.0.
ISC IV 18 18 24 49.9–.53 36.73N–.05 71.25E–.05 200 3.9b 87 2-45
IDC IV 18 18 24 48.4–5.4 36.68N 71.12E 160–27 3.9,3.4b **¶610652999**
NEIC IV 18 18 24 50.7–2.2 36.77N–.04 71.23E–.09 191–6 4.1b,3.4b
NNC IV 18 18 24 55.0–2.2 37.11N 71.17E 167–28 3.6,3.0b
ISC Event type se.
IDC Error ellipse: s-maj=64.0km s-min=18.6km az=154.0.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=4.5km az=107.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=19.8km s-min=14.1km az=37.0.
ISC IV 21 11 23 35.9–1.2 36.7N–.10 71.2E–.10 200 3.0b 14 6-82
IDC IV 21 11 23 32.2–5.3 36.46N 71.06E 172–49 3.3,2.9b **¶610653193**
NNC IV 21 11 23 37.8–2.5 37.13N 70.99E 0 3.9b,3.7
ISC Event type se.
IDC Error ellipse: s-maj=44.7km s-min=32.1km az=179.0.
NNC Event type se. Error ellipse: s-maj=26.0km s-min=15.8km az=141.0.
NNC IV 22 12 03 47.0–6.0 37.47N 71.36E 0 3.6b,3.5
¶612037950
NNC Event type se. Error ellipse: s-maj=53.2km s-min=48.7km az=95.0.
ISC IV 23 02 33 35.6–1.3 36.62N–.09 71.4E–.10 200 15 6-17
NNC IV 23 02 33 39.3–4.1 36.82N 71.15E 124–74 3.5,3.0b **¶612037971**
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=34.4km s-min=27.6km az=38.0.
ISC IV 23 16 15 12.4–1.0 36.99N–.08 71.1E–.10 250 3.2b 32 6-84
IDC IV 23 16 15 08.6–5.7 36.54N 71.09E 212–45 3.7,3.0b **¶610639123**
NNC IV 23 16 15 14.0–1.4 37.13N 71.05E 245–19 3.7,2.6b
ISC Event type se.
IDC Error ellipse: s-maj=57.3km s-min=29.6km az=59.0.

NNC Event type se. Error ellipse: s-maj=14.5km s-min=10.0km az=33.0.
ISC IV 24 04 43 59.8–.65 36.93N–.07 71.23E–.06 50 3.6b 41 6-84
IDC IV 24 04 44 00.1–3.4 36.77N 71.42E 61–28 3.7,3.4b ¶610639128
NNC IV 24 04 44 07.9–5.3 37.70N 71.13E 0 4.1b,3.7
ISC Event type se.
IDC Error ellipse: s-maj=27.3km s-min=20.9km az=172.0.
NNC Event type se. Error ellipse: s-maj=42.5km s-min=31.0km az=163.0.
ISC IV 26 14 46 22.7–3.5 36.9N–.20 71.2E–.10 200 14 6-17
NNC IV 26 14 46 17.0–5.4 36.92N 70.85E 0 4.0b,3.9 ¶612038163
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=58.5km s-min=30.7km az=143.0.
ISC IV 28 00 38 13.7–1.6 36.8N–.10 71.2E–.10 200 3.1b 17 6-81
IDC IV 28 00 38 12.1–5.8 36.64N 71.20E 198–41 3.5,2.9s ¶610650175
NNC IV 28 00 38 16.1–3.2 37.20N 71.13E 0 3.8b,3.4
ISC Event type se.
IDC Error ellipse: s-maj=63.2km s-min=33.1km az=152.0.
NNC Event type se. Error ellipse: s-maj=27.9km s-min=22.7km az=140.0.
ISC IV 28 22 45 56.6–1.3 37.4N–.10 71.67E–.09 150 3.2b 27 5-80
IDC IV 28 22 45 53.9–5.3 37.13N 71.93E 140–34 3.6,3.0b ¶610639149
NNC IV 28 22 45 57.8–7.8 37.73N 71.55E 0 3.9b,3.7
ISC Event type se.
IDC Error ellipse: s-maj=65.3km s-min=20.7km az=147.0.
NNC Event type se. Error ellipse: s-maj=61.2km s-min=45.3km az=166.0.
ISC IV 29 07 45 23.4–.40 37.50N–.03 70.46E–.04 10 4.2b,3.2s 154 2-85
IDC IV 29 07 45 20.8–.79 37.38N 70.53E 0 3.9,3.8b ¶610588572
MOS IV 29 07 45 21.1–1.1 37.33N 70.52E 11 4.5b,3.8b
NEIC IV 29 07 45 24.1–1.9 37.52N–.02 70.51E–.04 9–6 4.4b,3.8b
NNC IV 29 07 45 28.4–2.3 37.61N 70.52E 22–10 4.5b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=14.5km s-min=11.9km az=150.0.
MOS Error ellipse: s-maj=9.3km s-min=5.2km az=80.8.
NEIC Event type se. Error ellipse: s-maj=4.1km s-min=2.3km az=78.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=15.7km s-min=14.7km az=30.0.
ISC IV 29 15 32 34.7–.64 38.25N–.04 70.34E–.06 10 3.7b 35 4-83
IDC IV 29 15 32 32.6–1.2 38.14N 70.72E 0 3.8b,3.7 ¶610650326
NNC IV 29 15 32 40.1–3.1 38.74N 70.16E 0 4.1b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=20.7km s-min=13.5km az=147.0.
NNC Event type se. Error ellipse: s-maj=25.8km s-min=17.8km az=4.0.
ISC V 03 01 12 03.6–1.6 37.8N–.10 71.8E–.10 150 3.6b 16 5-80
IDC V 03 01 11 56.7–5.1 37.40N 72.02E 97–32 3.6,3.4b ¶610689424
NNC V 03 01 12 07.0–1.6 38.10N 72.03E 178–35 2.9,2.1b
SOME V 03 01 12 07.3 38.92N 72.38E 0 2.9,2.1b
ISC Event type se.
IDC Error ellipse: s-maj=55.9km s-min=18.7km az=145.0.
NNC Event type se. Error ellipse: s-maj=24.0km s-min=10.3km az=29.0.
ISC V 04 16 16 50.1–.45 36.67N–.03 71.43E–.03 184–4 4.2b 392 2-150
SOME V 04 16 16 47.9 38.00N 72.43E 0 4.2b ¶610594261
MOS V 04 16 16 49.3–.83 36.66N 71.40E 188 4.4b
NEIC V 04 16 16 51.1–1.6 36.72N–.05 71.40E–.08 189–5 4.3b
IDC V 04 16 16 51.2–.91 36.55N 71.37E 196–8 4.3,3.7b
BJI V 04 16 16 51.5–.00 36.77N 71.48E 187 4.6b,4.4b
NNC V 04 16 16 55.7–2.5 37.15N 71.36E 206–28 4.8,3.9b
ISC Event type se.
MOS Error ellipse: s-maj=5.4km s-min=3.2km az=83.2.
NEIC Event type se. Error ellipse: s-maj=8.8km s-min=7.3km az=84.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=12.2km s-min=9.5km az=23.0.
NNC Event type se. Error ellipse: s-maj=24.0km s-min=14.6km az=19.0.
NNC V 06 05 35 33.8–2.9 37.28N 71.29E 0 4.2b,3.8
¶612038627
NNC Event type se. Error ellipse: s-maj=33.0km s-min=21.0km az=127.0.
ISC V 06 05 47 37.5–.68 36.55N–.06 71.11E–.09 200 3.3b 37 3-84
IDC V 06 05 47 34.5–4.8 36.36N 70.97E 167–42 3.8,3.4s ¶610689647
NNC V 06 05 47 40.3–11 36.87N 70.34E 117–353 4.3,3.6b
ISC Event type se.
IDC Error ellipse: s-maj=35.2km s-min=18.2km az=31.0.
NNC Event type se. Error ellipse: s-maj=108.0km s-min=93.5km az=36.0.
NNC V 06 09 22 19.2–20 37.12N 70.44E 0 4.1b,3.7
¶612038634
NNC Event type se. Error ellipse: s-maj=159.7km s-min=141.8km az=176.0.
ISC V 06 09 52 28.9–.23 36.65N–.03 71.51E–.02 411–1 5.0b 1577 3-151
BGR V 06 09 51 21.8 33.21N 74.71E 33 5.6,5.4b ¶611833816
SOME V 06 09 52 22.0 35.93N 72.03E 5 5.6,5.4b
MOS V 06 09 52 27.9–.94 36.64N 71.55E 413 5.1b,5.4b
BJI V 06 09 52 28.1–.00 36.71N 71.50E 411 4.8b,4.6b
NEIC V 06 09 52 28.8–1.7 36.65N–.07 71.55E–.09 401–4 5.0b,4.6b
IDC V 06 09 52 29.3–.31 36.61N 71.58E 414–2 5.4,4.6b
GCMT V 06 09 52 29.8–.40 36.53N–.04 71.55E–.04 423–2 5.3W,4.6b
NNC V 06 09 52 30.1–1.6 36.81N 71.42E 414–16 6.0,4.6b
ISC Event type ke.
BGR Event type ke.
MOS Error ellipse: s-maj=4.4km s-min=3.1km az=106.5.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=9.8km az=107.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=5.7km s-min=4.4km az=178.0.
GCMT nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function. Moment Tensor Solution. s68,c85;Duration: 1ş1 Moment tensor: Scale 10^{17}Nm; M_{rr}0.19±.03 $M_{\theta\theta}$0.24±.04; $M_{\phi\phi}$-0.43±.04; $M_{r\theta}$0.87±.04; $M_{\theta\phi}$0.43±.04; $M_{\phi r}$-0.38±.06; Best double couple: NP1: ϕ_s116.00000°,δ84.00000°,λ61.00000°. NP2:ϕ_s15.00000°,δ29.00000°,λ168.00000°. Principal axes: T 1.0890,Plg44.0000°,Azm358.0000°; N 0.0380,Plg28.0000°,Azm119.0000° ; P -1.1280,Plg33.0000°,Azm229.0000° $M_0$1.10900×10^{17}
NNC Event type se. Error ellipse: s-maj=19.9km s-min=12.7km az=173.0.
NNC V 07 06 44 41.0–1.8 36.96N 71.19E 125–45 3.5,2.7b
¶612038671
NNC Event type se. Error ellipse: s-maj=19.8km s-min=13.5km az=54.0.
ISC V 08 07 45 21.0–1.9 36.7N–.10 71.1E–.20 200 3.5b 10 6-81
IDC V 08 07 44 51.9–3.9 35.75N 71.80E 0 4.0s,3.7 ¶610689781
NNC V 08 07 45 20.5–9.0 37.00N 70.62E 0 3.5b,3.1
ISC Event type se.
IDC Error ellipse: s-maj=96.4km s-min=49.9km az=126.0.
NNC Event type se. Error ellipse: s-maj=87.5km s-min=58.4km az=137.0.
ISC V 09 15 10 03.6–.65 38.94N–.03 70.49E–.03 9–4 4.4b 243 0-150
BJI V 09 15 09 58.3–.00 38.96N 70.08E 5 4.7b,4.2b ¶610619073
SOME V 09 15 10 00.6 38.97N 71.53E 20 3.8s,4.2b
IDC V 09 15 10 01.1–.70 38.73N 70.49E 0 4.1,4.0b
MOS V 09 15 10 02.1–1.1 38.90N 70.40E 10 4.5b,4.0b
NNC V 09 15 10 04.1–3.4 38.99N 70.18E 1–20 4.6b,4.5
NEIC V 09 15 10 04.6–1.7 38.96N–.04 70.48E–.03 10–1 4.6b,4.5
ISC Event type se.
NNC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 09 15 26 19.4–1.5 37.0N–.10 70.8E–.10 200 16 6-81
IDC V 09 15 26 10.3–3.3 39.06N 67.30E 0 3.3,3.3b ¶610689899
NNC V 09 15 26 15.8–5.7 36.88N 70.60E 110–114 3.0,2.7b
ISC Event type ke.
IDC Error ellipse: s-maj=124.5km s-min=16.5km az=154.0.
NNC Event type se. Error ellipse: s-maj=43.6km s-min=36.0km az=15.0.
ISC V 09 22 59 48.4–2.4 36.9N–.20 71.01E–.09 150 21 6-20
IDC V 09 22 59 36.0–10 35.73N 71.35E 125–131 3.3,3.1L ¶610689919
NNC V 09 22 59 48.2–4.3 36.83N 71.16E 174–53 3.4,2.6b
ISC Event type se.
IDC Error ellipse: s-maj=119.8km s-min=45.0km az=165.0.
NNC Event type se. Error ellipse: s-maj=39.3km s-min=29.9km az=47.0.
ISC V 12 16 49 00.1–.32 36.62N–.03 71.43E–.03 175–2 4.6b 806 3-151
BGR V 12 16 48 32.8 36.33N 71.77E 203–3 4.6b ¶611833866
BJI V 12 16 49 00.7–.00 36.78N 71.47E 175 4.7b,4.6b
IDC V 12 16 49 00.7–.70 36.52N 71.40E 184–6 4.7,4.2b
MOS V 12 16 49 00.0–.94 36.67N 71.52E 183 4.8b,4.2b
NEIC V 12 16 49 01.2–1.8 36.71N–.06 71.34E–.08 177–4 4.7b,4.2b
NNC V 12 16 49 04.5–3.4 37.04N 71.38E 185–37 5.3,4.1b
ISC Event type ke.
BGR Event type ke.
IDC Error ellipse: s-maj=10.3km s-min=7.6km az=11.0.
MOS Error ellipse: s-maj=5.1km s-min=3.4km az=90.3.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=8.3km az=61.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=31.0km s-min=17.5km az=11.0.
NNC V 13 03 03 03.2–10 37.02N 70.13E 0 3.6b,3.2
¶612038944
NNC Event type se. Error ellipse: s-maj=79.2km s-min=69.9km az=159.0.
ISC V 13 10 25 55.8–.68 36.62N–.07 71.06E–.07 188 3.8b 35 6-84
IDC V 13 10 25 53.6–2.9 36.35N 71.18E 179–25 3.9,3.5b ¶610667673
NNC V 13 10 26 03.5–3.3 37.10N 71.24E 236–34 3.4,2.5b
ISC Event type se.
IDC Error ellipse: s-maj=22.0km s-min=18.0km az=6.0.
NNC Event type se. Error ellipse: s-maj=32.2km s-min=24.7km az=43.0.
ISC V 13 13 28 15.2–1.6 38.95N–.08 70.71E–.05 35 37 0-5
KRNET V 13 13 28 10.4–.10 39.04N 70.83E 12 3.6b ¶610769222
NNC V 13 13 28 18.1–4.7 39.22N 71.41E 0 3.4b,3.0
SOME V 13 13 28 19.0 39.72N 71.72E 0 3.4b,3.0
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=41.5km s-min=27.6km az=43.0.
ISC V 13 19 22 47.8–.41 36.92N–.04 71.46E–.05 106 4.1b 136 2-84
BJI V 13 19 22 44.8–.00 37.10N 70.95E 105 4.5b,4.2b ¶610638580
IDC V 13 19 22 48.4–.82 36.81N 71.46E 106–6 3.9,3.5b
NEIC V 13 19 22 48.3–1.5 36.97N–.02 71.26E–.06 105–4 4.2b,3.5b
NNC V 13 19 22 50.5–3.4 37.16N 71.15E 134–40 4.2,3.6b
ISC Event type se.
IDC Error ellipse: s-maj=14.4km s-min=13.5km az=13.0.
NEIC Event type se. Error ellipse: s-maj=7.3km s-min=3.3km az=84.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=27.8km s-min=18.1km az=24.0.
ISC V 14 15 02 45.5–3.6 37.24N–.08 68.8E–.30 10 14 6-19
DMN V 14 15 02 17.6–6.0 37.25N 65.86E 10 3.8b ¶615815721
NNC V 14 15 03 19.9–3.4 37.84N 71.38E 0 3.4b,3.0
ISC Event type ke.
DMN Error ellipse: s-maj=423.3km s-min=99.2km az=43.0.
NNC Event type se. Error ellipse: s-maj=25.2km s-min=22.5km az=172.0.
ISC V 15 02 23 20.8–.85 37.41N–.07 71.66E–.06 150 3.4b 39 5-58
IDC V 15 02 23 21.0–5.5 37.30N 71.73E 125–30 3.7,3.2b ¶610690311
NNC V 15 02 23 26.5–1.7 37.80N 71.66E 170–25 3.9,3.0b
ISC Event type se.
IDC Error ellipse: s-maj=79.2km s-min=23.5km az=151.0.
NNC Event type se. Error ellipse: s-maj=17.4km s-min=9.5km az=27.0.
ISC V 15 17 28 06.6–.90 37.34N–.07 71.85E–.09 150 3.4b 50 5-80
IDC V 15 17 28 03.5–4.1 37.17N 71.59E 101–26 3.9,3.4b ¶610667685
SOME V 15 17 28 05.0 38.43N 72.00E 10 3.9,3.4b
NNC V 15 17 28 11.0–1.9 37.65N 71.54E 130–25 3.9,3.3b
ISC Event type se.
IDC Error ellipse: s-maj=46.7km s-min=18.6km az=171.0.
NNC Event type se. Error ellipse: s-maj=16.2km s-min=11.5km az=17.0.
ISC V 15 21 47 47.0–.78 36.74N–.07 71.53E–.09 114 3.3b 40 6-82
IDC V 15 21 47 43.4–3.9 36.51N 71.23E 68–33 3.8,3.8L ¶610690358
NNC V 15 21 47 54.2–2.0 37.34N 71.19E 173–23 3.8,3.0b
ISC Event type se.
IDC Error ellipse: s-maj=35.1km s-min=24.2km az=168.0.
NNC Event type se. Error ellipse: s-maj=18.2km s-min=12.5km az=19.0.
ISC V 16 18 13 32.2–.35 36.65N–.04 71.39E–.04 179 4.1b 287 2-84
IDC V 16 18 13 30.2–2.4 36.48N 71.41E 161–22 4.3,3.8b ¶611833899
MOS V 16 18 13 30.3–.83 36.58N 71.45E 171 4.4b,3.8b
BJI V 16 18 13 32.8–.00 36.76N 71.49E 175 4.6b,3.9b
NEIC V 16 18 13 32.9–1.4 36.68N–.07 71.41E–.08 179–5 4.2b,3.9b
NNC V 16 18 13 35.1–4.0 36.95N 71.31E 167–65 4.3,3.5b
ISC Event type se.
IDC Error ellipse: s-maj=15.1km s-min=10.4km az=16.0.
MOS Error ellipse: s-maj=7.9km s-min=4.2km az=86.4.
NEIC Event type se. Error ellipse: s-maj=10.4km s-min=9.1km az=135.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=39.5km s-min=22.7km az=23.0.
ISC V 17 15 01 56.2–.81 36.38N–.07 71.36E–.09 114 3.4b 30 6-84
IDC V 17 15 01 53.0–4.0 36.12N 71.41E 70–36 3.6,3.3b ¶610690498
NNC V 17 15 02 01.5–6.4 36.84N 71.09E 185–112 3.5,2.7b
ISC Event type se.
IDC Error ellipse: s-maj=33.6km s-min=25.5km az=17.0.
NNC Event type se. Error ellipse: s-maj=64.6km s-min=41.4km az=33.0.
ISC V 18 21 34 41.0–.37 36.31N–.04 71.47E–.05 114 4.2b 173 3-150
NNC V 18 21 34 39.6–3.3 36.77N 71.15E 0 5.0b,4.8 ¶610643005
BJI V 18 21 34 40.6–.00 36.62N 71.26E 111 4.5b,4.5b
IDC V 18 21 34 40.6–2.9 36.28N 71.44E 107–26 4.2,3.8b
NEIC V 18 21 34 40.8–1.2 36.38N–.08 71.4E–.10 100–6 4.2b,3.8b
ISC Event type se.
NNC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 20 08 26 49.9–.93 36.33N–.08 71.30E–.07 114 4.0b 25 7-81
IDC V 20 08 26 48.2–5.8 36.27N 71.35E 73–34 3.9,3.6b ¶610685018
NNC V 20 08 26 52.9–6.0 36.91N 71.16E 0 4.0b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=61.9km s-min=21.4km az=156.0.
NNC Event type se. Error ellipse: s-maj=58.3km s-min=36.6km az=151.0.
ISC V 23 01 22 54.2–1.5 37.8N–.10 70.10E–.09 10 3.7b 25 5-80
IDC V 23 01 22 51.2–2.1 37.57N 70.32E 0 3.9s,3.7 ¶610667719
NNC V 23 01 22 57.3–1.9 37.97N 70.21E 0 3.9b,3.6
ISC Event type se.
IDC Error ellipse: s-maj=38.6km s-min=14.2km az=147.0.
NNC Event type se. Error ellipse: s-maj=19.6km s-min=11.2km az=158.0.
ISC V 25 16 11 55.4–.97 36.47N–.08 71.17E–.08 100 3.6b 29 6-82
IDC V 25 16 11 45.1–1.8 36.19N 71.28E 0 3.8b,3.7 ¶610685374
NNC V 25 16 11 58.0–2.5 36.66N 71.07E 108–48 3.4,3.0b
ISC Event type se.
IDC Error ellipse: s-maj=29.6km s-min=27.1km az=157.0.
NNC Event type se. Error ellipse: s-maj=19.1km s-min=17.0km az=43.0.
ISC V 26 21 35 54.8–.37 38.82N–.03 70.70E–.03 17 4.0b,3.2s 209 0-86
SOME V 26 21 35 51.6 39.22N 70.63E 15 4.0b,3.2s ¶610654878
IDC V 26 21 35 51.3–.86 38.69N 70.86E 0 3.9,3.8b
BJI V 26 21 35 52.3–.00 39.07N 70.51E 18 4.7b,4.2L
NNC V 26 21 35 53.0–1.5 38.75N 70.71E 0 4.7b,4.4
MOS V 26 21 35 52.8–1.1 38.92N 70.76E 11 4.3b,4.4
NEIC V 26 21 35 55–3.0 38.89N–.02 70.78E–.05 10–1 4.2b,4.4
ISC Event type se.
NNC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 27 02 13 55.1–1.8 37.7N–.10 71.9E–.20 113 3.2b 7 5-80
IDC V 27 02 13 38.5–4.1 37.25N 72.22E 0 3.5,3.5b ¶610685466
ISC Event type ke.
IDC Error ellipse: s-maj=103.7km s-min=55.5km az=130.0.
NNC V 27 04 02 48.3–8.8 37.76N 71.49E 0 3.6b,3.4
¶612039565
NNC Event type se. Error ellipse: s-maj=74.4km s-min=44.8km az=144.0.
ISC V 27 22 36 00.1–.38 37.45N–.03 71.81E–.03 119–3 4.4b 406 2-82
BGR V 27 22 35 51.2 37.04N 72.03E 33 4.6b ¶610655156
BJI V 27 22 35 58.3–.00 37.41N 71.83E 109 4.7b,4.4b

IDC V 27 22 35 58.3–1.8 37.38N 72.01E 106–17 4.4,3.9b
MOS V 27 22 35 59.4–.90 37.50N 71.91E 125 4.3b,3.9b
NNC V 27 22 36 01.4–1.8 37.72N 71.56E 159–26 4.8,4.1b
NEIC V 27 22 36 01.1–1.7 37.52N–.06 71.77E–.08 117–5 4.4b,4.1b
ISC Event type ke.
BGR Event type ke.
NNC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC V 28 08 43 21.5–8.7 37.64N 71.72E 0 3.6b,3.2 ¶612039615
NNC Event type se. Error ellipse: s-maj=90.6km s-min=60.1km az=132.0.
ISC V 29 15 18 31.2–.54 36.97N–.05 71.22E–.06 88 4.2b 74 2-81
IDC V 29 15 18 31.4–5.2 37.05N 71.11E 67–29 4.0,3.7b **¶610685623**
NEIC V 29 15 18 33.5–1.3 37.11N–.06 71.21E–.06 89–5 4.4b,3.7b
NNC V 29 15 18 36.2–12 37.44N 70.67E 62–313 3.7b,3.6
ISC Event type se.
IDC Error ellipse: s-maj=57.8km s-min=19.2km az=156.0.
NEIC Event type se. Error ellipse: s-maj=9.1km s-min=5.8km az=153.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=91.1km s-min=72.5km az=165.0.
ISC VI 02 16 15 00.6–1.0 36.66N–.10 71.1E–.10 200 3.5b 30 6-84
IDC VI 02 16 14 56.2–4.8 36.32N 71.02E 163–42 3.8,3.3b **¶610764458**
SOME VI 02 16 15 08.1 38.50N 72.45E 5 3.8,3.3b
ISC Event type ke.
IDC Error ellipse: s-maj=34.9km s-min=17.4km az=29.0.
ISC VI 03 16 56 40.5–4.3 36.5N–.20 71.0E–.30 100 14 6-84
IDC VI 03 16 56 11.1–6.7 35.91N 68.32E 0 3.5b,3.4 **¶612088560**
NNC VI 03 16 56 46.4–4.2 37.09N 70.87E 0 4.2b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=202.8km s-min=33.7km az=101.0.
NNC Event type se. Error ellipse: s-maj=40.8km s-min=32.0km az=83.0.
ISC VI 04 01 17 04.6–.89 37.26N–.08 71.67E–.06 109 4.1b 44 5-80
IDC VI 04 01 17 05.4–5.0 37.41N 71.56E 90–29 3.9,3.7b **¶610758948**
NNC VI 04 01 17 09.2–2.6 37.63N 71.53E 132–78 3.9,3.1b
SOME VI 04 01 17 13.4 38.87N 71.90E 0 3.9,3.1b
ISC Event type se.
IDC Error ellipse: s-maj=57.9km s-min=19.1km az=152.0.
NNC Event type se. Error ellipse: s-maj=29.0km s-min=15.8km az=172.0.
ISC VI 05 23 24 05.6–.64 38.97N–.03 70.88E–.02 14–4 4.1b,3.2s 253 0-86
IDC VI 05 23 24 02.6–.73 38.78N 71.01E 0 4.0,3.9b **¶610664098**
BJI VI 05 23 24 04.0–.00 38.91N 70.83E 12 4.5b,4.4b
KRNET VI 05 23 24 04.1–.10 39.01N 70.92E 12 4.5b,4.4b
NEIC VI 05 23 24 06–1.7 38.96N–.03 71.01E–.03 8–6 4.1b,4.4b
NNC VI 05 23 24 06.6–3.2 39.00N 70.87E 0 4.6b,4.2
MOS VI 05 23 24 06.8–1.1 38.94N 70.89E 42 4.4b,4.2
SOME VI 05 23 24 08.5 39.57N 71.43E 10 3.6s,4.2
ISC Event type se.
IDC Error ellipse: s-maj=13.2km s-min=9.5km az=158.0.
NEIC Event type se. Error ellipse: s-maj=4.7km s-min=3.2km az=143.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=33.5km s-min=19.8km az=14.0.
MOS Error ellipse: s-maj=5.9km s-min=3.6km az=70.7.
ISC VI 06 11 39 04.8–2.0 37.1N–.10 70.6E–.10 200 21 5-40
NNC VI 06 11 39 08.2–5.4 37.37N 70.86E 212–46 3.6,2.6b **¶610791342**
IDC VI 06 11 39 15.0–16 37.75N 71.22E 139–70 3.9,3.6b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=51.7km s-min=39.8km az=40.0.
IDC Error ellipse: s-maj=189.6km s-min=48.7km az=180.0.
ISC VI 06 22 23 49.9–.53 38.98N–.04 71.01E–.03 10 3.7b,3.0s 109 1-86
NNC VI 06 22 23 40.6–7.2 37.78N 70.36E 44–169 4.4b,4.1 **¶610666197**
IDC VI 06 22 23 48.0–.94 38.85N 71.09E 0 3.9,3.8b
SOME VI 06 22 23 48.3 39.30N 71.27E 15 3.9,3.8b
KRNET VI 06 22 23 48.9–.10 39.05N 70.98E 12 4.4b,3.8b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=55.3km s-min=49.5km az=6.0.
IDC Error ellipse: s-maj=16.2km s-min=10.9km az=157.0.
ISC VI 07 21 13 01.3–.83 36.74N–.08 71.26E–.07 200 28 6-37
IDC VI 07 21 13 03.1–5.4 36.88N 71.17E 177–32 3.8,3.7b **¶610758962**
NNC VI 07 21 13 05.6–4.3 37.25N 69.71E 0 4.0b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=66.7km s-min=19.2km az=155.0.
NNC Event type se. Error ellipse: s-maj=46.0km s-min=28.8km az=119.0.
ISC VI 08 08 40 05.8–3.8 37.5N–.20 70.5E–.10 35 8 5-14
SOME VI 08 08 39 58.5 38.35N 71.90E 20 **¶612088749**
ISC Event type ke.
ISC VI 08 09 46 49.0–1.4 37.44N–.10 71.8E–.10 10 16 5-16
SOME VI 08 09 46 58.6 38.27N 72.00E 0 **¶612088756**
ISC Event type ke.
NNC VI 09 02 00 32.3–20 38.76N 70.88E 0 3.6b,3.0 ¶612088781
NNC Event type se. Error ellipse: s-maj=207.2km s-min=104.2km az=168.0.
ISC VI 09 13 06 48.2–1.4 36.4N–.10 71.3E–.20 200 3.4b 16 6-84
IDC VI 09 13 06 50.9–6.0 36.54N 71.36E 225–52 3.8,3.1b **¶610758970**
ISC Event type ke.
IDC Error ellipse: s-maj=51.9km s-min=23.4km az=40.0.
ISC VI 09 18 21 35.1–1.0 37.26N–.10 71.67E–.09 100 14 6-41
NNC VI 09 18 21 41.1–8.5 37.83N 70.76E 0 3.8b,3.5 **¶610791550**
IDC VI 09 18 21 42.0–11 37.51N 71.17E 114–50 3.7,3.4b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=122.8km s-min=57.2km az=109.0.
IDC Error ellipse: s-maj=231.1km s-min=30.0km az=164.0.
ISC VI 10 12 57 46.3–3.2 37.5N–.20 71.6E–.10 109 11 5-16
NNC VI 10 12 57 51.9–6.2 37.62N 70.63E 91–103 3.2b,3.1 **¶612088854**
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=51.1km s-min=41.6km az=40.0.
ISC VI 11 21 18 08.8–.39 37.84N–.04 70.21E–.04 10 4.2b,3.1s 152 1-86
IDC VI 11 21 18 07.3–.82 37.65N 70.26E 0 4.0,3.9b **¶610669809**
MOS VI 11 21 18 08.0–1.2 37.77N 70.22E 17 4.4b,3.9b
BJI VI 11 21 18 09.5–.00 38.37N 69.76E 20 4.3b,3.9b
NEIC VI 11 21 18 09.7–1.8 37.77N–.03 70.20E–.05 19–1 4.4b,3.9b
NNC VI 11 21 18 10.4–1.9 37.91N 69.99E 0 4.4b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=15.6km s-min=10.7km az=159.0.
MOS Error ellipse: s-maj=8.3km s-min=5.2km az=74.6.
NEIC Event type se. Error ellipse: s-maj=6.4km s-min=3.1km az=49.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=14.2km s-min=10.4km az=5.0.
ISC VI 12 13 52 02.4–.93 36.43N–.09 71.47E–.09 100 3.8b 23 7-45
IDC VI 12 13 52 04.0–6.1 36.64N 71.25E 80–33 3.6,3.4b **¶610760937**
ISC Event type ke.
IDC Error ellipse: s-maj=80.6km s-min=24.7km az=147.0.
ISC VI 12 13 54 25.2–.31 36.39N–.04 71.23E–.04 70 4.6b 491 3-150
IDC VI 12 13 54 21.0–2.6 36.17N 71.29E 40–23 4.6,4.4L **¶610670976**
MOS VI 12 13 54 24.0–.97 36.39N 71.33E 73 4.9b,4.4L
NEIC VI 12 13 54 26.0–1.4 36.36N–.02 71.22E–.07 78–6 4.6b,4.4L
BJI VI 12 13 54 26.3–.00 36.51N 71.24E 89 5.5b,4.6b
NNC VI 12 13 54 29.9–4.1 36.80N 71.19E 109–34 4.6,4.2b
ISC Event type se.
IDC Error ellipse: s-maj=15.2km s-min=10.7km az=11.0.
MOS Error ellipse: s-maj=6.3km s-min=3.4km az=80.1.
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=1.6km az=106.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=37.1km s-min=21.6km az=32.0.
ISC VI 12 15 27 23.1–.33 36.17N–.04 71.34E–.04 100 4.3b 256 2-90
MOS VI 12 15 27 21.9–.96 36.19N 71.33E 99 4.3b **¶610670984**
NEIC VI 12 15 27 23.2–1.2 36.17N–.06 71.28E–.09 102–6 4.3b
IDC VI 12 15 27 23.2–2.6 36.15N 71.37E 99–23 4.3,4.0b
NNC VI 12 15 27 32.9–3.4 36.92N 71.45E 194–23 4.7,3.7b
ISC Event type se.
MOS Error ellipse: s-maj=7.5km s-min=3.6km az=79.7.
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=8.5km az=115.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=15.6km s-min=10.3km az=178.0.
NNC Event type se. Error ellipse: s-maj=34.5km s-min=13.8km az=33.0.
ISC VI 12 23 23 22.3–.66 36.50N–.06 71.39E–.05 100 3.9b 53 3-84
IDC VI 12 23 23 19.5–3.6 36.29N 71.56E 44–33 3.9,3.6b **¶610671336**
NNC VI 12 23 23 27.8–2.4 36.79N 70.84E 81–52 4.6,3.8b
NEIC VI 12 23 23 29.6–2.4 36.79N–.07 70.9E–.10 102–7 4.1b,3.8b
ISC Event type se.
NNC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 13 23 24 38.8–.78 37.22N–.07 71.70E–.06 100 3.4b 68 5-58
IDC VI 13 23 24 40.0–4.6 37.14N 71.78E 109–31 3.9,3.3s **¶610758994**
NNC VI 13 23 24 46.6–4.8 37.89N 72.09E 0 4.1,4.1b
SOME VI 13 23 24 48.9 39.08N 72.72E 0 4.1,4.1b
ISC Event type se.
IDC Error ellipse: s-maj=53.1km s-min=19.6km az=165.0.
NNC Event type se. Error ellipse: s-maj=49.7km s-min=13.5km az=38.0.
ISC VI 15 20 33 20.9–.34 37.04N–.04 71.35E–.04 106 4.0b 212 2-84
IDC VI 15 20 33 17.5–2.7 36.87N 71.47E 74–24 4.0,3.6b **¶610675388**
NNC VI 15 20 33 17.7–2.1 37.31N 70.86E 0 4.8,4.8b
MOS VI 15 20 33 20.7–1.2 37.11N 71.41E 109 4.1b,4.8b
NEIC VI 15 20 33 21.7–1.4 37.11N–.06 71.34E–.08 104–6 4.3b,4.8b
BJI VI 15 20 33 26.5–.00 37.60N 71.57E 146 4.4b,4.2b
ISC Event type se.
IDC Error ellipse: s-maj=18.0km s-min=11.6km az=9.0.
NNC Event type se. Error ellipse: s-maj=21.4km s-min=14.1km az=168.0.
MOS Error ellipse: s-maj=8.1km s-min=4.1km az=78.4.
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=8.7km az=82.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 16 13 16 33.4–.54 36.71N–.05 71.23E–.06 188 3.5b 71 2-147
IDC VI 16 13 16 31.1–3.4 36.42N 71.25E 167–31 3.9,3.5s **¶610760956**
NEIC VI 16 13 16 34.7–1.4 36.72N–.08 71.2E–.10 190–9 4.1b,3.5s
NNC VI 16 13 16 38.1–3.5 37.01N 70.81E 162–34 4.4,3.3b
ISC Event type se.
IDC Error ellipse: s-maj=25.3km s-min=18.0km az=16.0.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=11.3km az=65.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=35.5km s-min=18.6km az=41.0.
ISC VI 16 16 41 42.4–1.6 36.6N–.10 71.04E–.10 100 3.6b 30 6-66
IDC VI 16 16 41 39.6–4.9 36.37N 71.41E 101–34 3.7,3.4b **¶610759003**
SOME VI 16 16 41 39.3 37.90N 72.25E 0 3.7,3.4b
NNC VI 16 16 41 48.5–7.0 37.00N 70.10E 43–146 4.0,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=59.2km s-min=23.8km az=141.0.
NNC Event type se. Error ellipse: s-maj=87.7km s-min=54.2km az=94.0.
NNC VI 17 20 31 12.3–5.8 36.98N 71.26E 107–97 3.9,3.2b ¶612089151
NNC Event type se. Error ellipse: s-maj=53.2km s-min=51.0km az=9.0.
ISC VI 17 22 23 43.8–1.8 37.4N–.10 71.0E–.10 68 8 6-66
IDC VI 17 22 23 47.3–8.0 37.98N 70.78E 75–56 3.5,3.3L **¶610792086**
ISC Event type ke.
IDC Error ellipse: s-maj=127.9km s-min=23.6km az=156.0.
ISC VI 18 00 27 43.5–.64 37.09N–.05 71.17E–.06 88 3.7b 57 2-66
IDC VI 18 00 27 43.1–4.4 37.00N 71.38E 79–29 4.0,3.4b **¶610759012**
NEIC VI 18 00 27 46.5–1.8 37.17N–.07 71.3E–.10 109–6 4.0b,3.4b
NNC VI 18 00 27 52.9–4.2 37.61N 70.48E 91–71 4.3,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=53.0km s-min=22.0km az=142.0.
NEIC Event type se. Error ellipse: s-maj=13.1km s-min=9.6km az=105.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=34.1km s-min=27.7km az=41.0.
NNC VI 18 00 37 49.4–9.6 38.91N 70.29E 0 3.5b,3.1 ¶612053542
NNC Event type se. Error ellipse: s-maj=86.3km s-min=52.5km az=4.0.
ISC VI 18 06 15 27.2–.52 36.75N–.05 71.17E–.05 100 3.6b 82 3-84
IDC VI 18 06 15 25.2–3.4 36.61N 71.19E 75–29 3.8,3.3b **¶610792100**
NEIC VI 18 06 15 29.0–1.2 36.85N–.03 71.2E–.10 91–7 4.2b,3.3b
NNC VI 18 06 15 31.3–6.7 37.04N 70.70E 170–50 4.3,3.3b
ISC Event type se.
IDC Error ellipse: s-maj=24.6km s-min=18.5km az=16.0.
NEIC Event type se. Error ellipse: s-maj=12.4km s-min=4.3km az=91.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=56.6km s-min=28.0km az=20.0.
ISC VI 19 03 37 56.7–.82 38.94N–.03 70.85E–.03 6–5 4.2b,3.2s 322 1-86
SOME VI 19 03 37 50.9 39.03N 70.87E 5 3.7s,3.2s **¶610681626**
IDC VI 19 03 37 55.5–.81 38.90N 70.98E 0 4.0,3.9b
KRNET VI 19 03 37 56.5–.10 39.01N 71.02E 4.6b,3.9b
NNC VI 19 03 37 57.5–2.8 38.85N 71.14E 0 4.7b,4.3
BJI VI 19 03 37 57.4–.00 38.77N 70.58E 31 4.6b,4.5b
MOS VI 19 03 37 59.7–1.2 38.98N 70.86E 37 4.5b,4.5b
NEIC VI 19 03 38 00.9–1.9 39.02N–.04 70.82E–.08 36–3 4.3b,4.5b
ISC Event type se.
NNC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 19 18 49 55.1–2.1 37.6N–.20 72.0E–.10 200 25 5-40
NNC VI 19 18 49 53.6–6.5 37.73N 71.59E 0 3.9b,3.5 **¶610759019**
IDC VI 19 18 49 56.7–7.8 37.66N 72.05E 216–50 3.7,3.3b
SOME VI 19 18 49 59.3 38.90N 73.23E 0 3.7,3.3b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=50.9km s-min=48.0km az=14.0.
IDC Error ellipse: s-maj=72.5km s-min=31.3km az=11.0.
ISC VI 20 21 42 46.3–.46 37.50N–.05 70.03E–.05 10 3.9b,2.7s 79 4-85
IDC VI 20 21 42 45.5–.93 37.64N 70.26E 0 3.9,3.8b **¶610686646**
NNC VI 20 21 42 49.2–1.2 37.95N 69.99E 12–7 4.4b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=17.1km s-min=11.5km az=154.0.
NNC Event type se. Error ellipse: s-maj=10.4km s-min=5.9km az=162.0.
NNC VI 21 07 35 02.8–3.8 37.80N 68.45E 0 3.8b,3.5 ¶612053677
NNC Event type se. Error ellipse: s-maj=35.0km s-min=31.6km az=111.0.
ISC VI 21 08 37 39.2–2.6 37.0N–.30 72.3E–.10 150 3.8b 34 5-74
IDC VI 21 08 37 44.7–4.8 37.44N 72.24E 172–33 3.9,3.4b **¶610759025**
NNC VI 21 08 37 47.8–4.5 37.81N 72.49E 0 4.4b,3.9
SOME VI 21 08 37 53.3 38.97N 72.17E 0 4.4b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=46.1km s-min=26.1km az=160.0.
NNC Event type se. Error ellipse: s-maj=50.1km s-min=32.9km az=127.0.
ISC VI 21 10 57 30.3–.54 36.61N–.05 71.11E–.06 250 3.8b 97 2-84
SOME VI 21 10 57 24.5 37.65N 72.78E 25 3.8b **¶610689205**
IDC VI 21 10 57 26.4–3.4 36.40N 70.98E 198–30 4.2,3.6b
NEIC VI 21 10 57 28.9–1.3 36.63N–.08 70.90E–.04 243–6 4.2b,3.6b
NNC VI 21 10 57 31.3–3.2 36.97N 71.18E 0 4.7b,4.4
ISC Event type se.
IDC Error ellipse: s-maj=22.2km s-min=13.8km az=23.0.
NEIC Event type se. Error ellipse: s-maj=11.6km s-min=4.1km az=169.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=37.7km s-min=24.5km az=115.0.
ISC VI 21 15 00 18.3–.42 36.43N–.05 71.12E–.05 100 4.2b 107 3-84

IDC VI 21 15 00 13.7–3.6 36.17N 71.22E 53–32 3.9,3.7L ¶610689214
BJI VI 21 15 00 16.6–.00 36.30N 71.23E 82 4.7b,4.6b
NEIC VI 21 15 00 19.7–1.5 36.56N–.05 71.13E–.07 91–6 4.4b,4.6b
NNC VI 21 15 00 19.4–5.8 36.91N 70.48E 0 4.3,4.1b
ISC Event type se.
IDC Error ellipse: s-maj=26.7km s-min=17.1km az=11.0.
NEIC Event type se. Error ellipse: s-maj=8.1km s-min=7.7km az=120.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=56.8km s-min=25.6km az=141.0.
NNC VI 21 16 23 23.0–19 36.97N 71.24E 0 3.9b,3.5
¶612053710
NNC Event type se. Error ellipse: s-maj=153.6km s-min=121.5km az=175.0.
ISC VI 22 04 10 42.4–.25 36.68N–.03 71.31E–.03 192–2 4.9b 1100 2-150
BGR VI 22 04 10 30.4 34.68N 72.53E 206–4 5.3b ¶610693471
MOS VI 22 04 10 41.1–.85 36.67N 71.41E 192 5.1b
IDC VI 22 04 10 42.7–.62 36.63N 71.44E 198–5 5.1,4.5b
BJI VI 22 04 10 42.3–.00 36.79N 71.43E 192 5.0b,4.8b
NEIC VI 22 04 10 42.9–1.4 36.72N–.06 71.31E–.07 189–4 4.9b,4.8b
GCMT VI 22 04 10 44.8–.30 36.71N–.03 71.22E–.03 196–3 4.9W,4.8b
NNC VI 22 04 10 44.1–2.6 36.98N 71.14E 184–25 5.4,4.4b
ISC Event type ke.
BGR Event type ke.
MOS Error ellipse: s-maj=4.4km s-min=3.0km az=101.7.
IDC Error ellipse: s-maj=9.0km s-min=7.1km az=3.0.
NEIC Event type se. Error ellipse: s-maj=8.2km s-min=7.9km az=191.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s14,c16; s82,c111;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}1.41±.11 $M_{\theta\theta}$-0.12±.11; $M_{\phi\phi}$-1.30±.10; $M_{r\theta}$-0.78±.08; $M_{\theta\phi}$-0.88±.12; $M_{\phi r}$1.88±.09; Best double couple: NP1:ϕ_s354.00000°,δ73.00000°,λ64.00000°. NP2:ϕ_s232.00000°,δ30.00000°,λ144.00000°. Principal axes: T 2.7880,Plg55.0000° ,Azm232.0000°; N -0.4400,Plg24.0000°,Azm2.0000°; P -2.3560,Plg24.0000°,Azm103.0000° $M_0$2.57200×10^{16}
NNC Event type se. Error ellipse: s-maj=23.0km s-min=15.3km az=170.0.
ISC VI 22 22 39 18.4–1.4 37.2N–.10 71.04E–.08 88 3.7b 32 5-82
IDC VI 22 22 39 13.7–3.7 36.77N 71.43E 70–32 4.0,3.8L ¶610759028
NNC VI 22 22 39 20.9–7.5 37.30N 70.92E 98–156 4.0,3.5b
ISC Event type se.
IDC Error ellipse: s-maj=30.9km s-min=21.5km az=152.0.
NNC Event type se. Error ellipse: s-maj=57.8km s-min=47.2km az=9.0.
ISC VI 23 03 54 06.3–2.1 37.2N–.10 71.14E–.10 200 20 5-44
SOME VI 23 03 53 53.1 37.78N 72.15E 0 ¶610760989
NNC VI 23 03 53 59.8–5.2 37.09N 70.93E 0 3.9b,3.6
IDC VI 23 03 54 08.4–8.8 37.38N 70.86E 192–60 3.6,3.0b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=41.4km s-min=33.7km az=159.0.
IDC Error ellipse: s-maj=87.2km s-min=45.0km az=174.0.
ISC VI 25 14 24 24.2–.59 37.14N–.05 69.94E–.05 10 4.6b 54 2-85
IDC VI 25 14 24 20.3–1.4 36.85N 70.17E 0 3.7,3.5b ¶610694596
NEIC VI 25 14 24 25.7–2.8 37.13N–.03 70.12E–.04 10–1 4.4b,3.5b
NNC VI 25 14 24 26.1–8.0 37.50N 69.24E 0 4.1b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=26.1km s-min=17.5km az=103.0.
NEIC Event type se. Error ellipse: s-maj=6.4km s-min=4.5km az=155.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=65.0km s-min=56.9km az=164.0.
ISC VI 25 14 45 20.9–1.2 37.0N–.10 71.6E–.10 106 3.6b 34 5-84
IDC VI 25 14 45 17.2–3.6 36.77N 71.57E 80–32 3.8,3.5b ¶610759039
NNC VI 25 14 45 22.5–3.8 37.44N 71.46E 0 4.2b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=30.8km s-min=20.5km az=26.0.
NNC Event type se. Error ellipse: s-maj=31.2km s-min=30.5km az=40.0.
ISC VI 25 19 33 15.9–.76 36.90N–.07 71.26E–.06 106 3.5b 38 6-84
IDC VI 25 19 33 13.2–3.5 36.67N 71.43E 68–30 3.9L,3.8 ¶610789462
NNC VI 25 19 33 16.6–4.8 37.39N 70.83E 0 4.2b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=29.7km s-min=20.5km az=14.0.
NNC Event type se. Error ellipse: s-maj=56.7km s-min=19.9km az=150.0.
ISC VI 26 04 11 39.6–.48 38.75N–.03 70.71E–.02 10–2 4.9b,4.3s 791 0-150
BGR VI 26 04 11 32.7 37.60N 72.14E 33 5.0b,4.1s ¶610694765
IDC VI 26 04 11 38.0–.42 38.69N 70.75E 0 4.7,4.7b
MOS VI 26 04 11 38.7–1.3 38.71N 70.70E 13 5.1b,4.4s
BJI VI 26 04 11 38.0–.00 38.83N 70.79E 9 4.9L,4.8b
NEIC VI 26 04 11 39.6–2.3 38.75N–.03 70.78E–.05 10–1 5.0b,4.8b
NNC VI 26 04 11 40.4–1.9 38.35N 70.61E 102–25 5.2,4.8b
GCMT VI 26 04 11 41.6–.30 38.73N–.02 70.73E–.02 29–1 4.8W,4.8b
ISC Event type ke.
BGR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s13,c13; s81,c114;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}-0.46±.15 $M_{\theta\theta}$-1.57±.10; $M_{\phi\phi}$2.03±.10; $M_{r\theta}$0.40±.16; $M_{\theta\phi}$1.11±.07; $M_{\phi r}$-0.44±.13; Best double couple: NP1:ϕ_s332.00000°,δ82.00000°,λ-163.00000°. NP2:ϕ_s240.00000°,δ73.00000°,λ-8.00000°. Principal axes: T 2.3800,Plg6.0000° ,Azm105.0000°; N -0.3340,Plg71.0000°,Azm356.0000°; P -2.0450,Plg18.0000° ,Azm197.0000° $M_0$2.21300×10^{16}
SOME VI 26 07 56 20.1 38.92N 71.35E 0
NNC VI 26 07 56 21.4–5.8 38.17N 71.11E 0 3.9b,3.5 ¶612053912
NNC Event type se. Error ellipse: s-maj=44.1km s-min=38.5km az=174.0.
ISC VI 26 09 17 18.8–3.9 38.2N–.30 70.1E–.20 12 11 4-15
SOME VI 26 09 17 17.0 38.90N 71.02E 0 ¶612053916
NNC VI 26 09 17 25.7–3.2 39.19N 71.18E 0 4.1b,3.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=25.1km s-min=15.9km az=175.0.
NNC VI 28 18 47 32.0–7.4 36.75N 71.04E 41–206 3.5b,3.2
¶612054046
NNC Event type se. Error ellipse: s-maj=78.9km s-min=38.4km az=133.0.
NNC VI 29 16 01 58.1–21 37.03N 71.84E 0 4.0b,3.6
¶612054083
NNC Event type se. Error ellipse: s-maj=209.4km s-min=173.3km az=101.0.
ISC VI 29 20 23 01.5–1.6 38.6N–.10 70.70E–.09 10 3.6b 26 4-66
IDC VI 29 20 22 56.7–2.6 38.25N 71.23E 0 3.6b,3.5 ¶610789737
NNC VI 29 20 23 03.7–4.3 39.00N 70.13E 0 4.2b,3.8
SOME VI 29 20 23 11.9 39.48N 71.30E 5 4.2b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=44.3km s-min=20.0km az=147.0.
NNC Event type se. Error ellipse: s-maj=35.3km s-min=24.8km az=8.0.

(718) Hindu Kush region.

ISC I 02 16 51 06.1–.42 36.38N–.04 70.83E–.05 200 4.0b 127 2-84
IDC I 02 16 51 05.8–2.5 36.26N 70.69E 199–22 4.2s,4.0 ¶609950086
NNC I 02 16 51 06.4–5.1 36.83N 70.48E 0 4.7b,4.6
NEIC I 02 16 51 07.6–1.2 36.44N–.05 70.7E–.10 206–6 4.1b,4.6
ISC Event type se.
NNC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 03 15 54 34.9–.39 36.73N–.04 69.43E–.04 48 4.3b,3.1s 215 2-85
IDC I 03 15 54 27.9–.76 36.54N 69.51E 0 4.1,4.0b ¶609967137
MOS I 03 15 54 30.7–1.2 36.78N 69.45E 22 4.4b,4.0b
NEIC I 03 15 54 31.0–1.4 36.69N–.05 69.48E–.06 10–1 4.4b,4.0b
NNC I 03 15 54 34.3–1.7 36.77N 69.24E 65–21 4.7,4.2b
BJI I 03 15 54 34.9–.00 36.99N 69.67E 20 4.6b,4.3b
ISC Event type se.
IDC Error ellipse: s-maj=14.5km s-min=12.9km az=159.0.
MOS Error ellipse: s-maj=8.1km s-min=4.6km az=89.8.
NEIC Event type se. Error ellipse: s-maj=9.3km s-min=8.6km az=154.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=17.7km s-min=8.2km az=159.0.
NNC I 03 18 29 00.3–14 36.73N 70.51E 176–249 3.6,2.6b
¶612032657
NNC Event type se. Error ellipse: s-maj=203.6km s-min=80.1km az=39.0.
ISC I 05 11 05 31.3–.79 36.56N–.06 70.6E–.10 204 3.1b 24 3-85
IDC I 05 11 05 31.5–5.2 36.56N 70.61E 205–41 3.7,3.2b ¶610236770
ISC Event type ke.
IDC Error ellipse: s-maj=41.1km s-min=25.7km az=15.0.
ISC I 06 01 38 05.5–.57 36.50N–.06 70.72E–.07 204 3.9b 71 3-84
IDC I 06 01 38 01.4–2.7 36.21N 70.81E 170–21 4.1,3.6b ¶610009987
NNC I 06 01 38 09.4–1.5 36.86N 70.78E 198–13 4.8,3.4b
SOME I 06 01 38 12.4 38.40N 72.13E 0 4.8,3.4b
ISC Event type se.
IDC Error ellipse: s-maj=20.8km s-min=15.2km az=9.0.
NNC Event type se. Error ellipse: s-maj=13.6km s-min=9.5km az=22.0.
ISC I 06 13 03 33.7–2.3 36.5N–.20 68.34E–.10 100 22 7-56
IDC I 06 13 03 35.5–13 37.39N 68.02E 0 3.7s,3.7 ¶610102416
NNC I 06 13 03 35.3–2.1 36.55N 68.49E 104–29 4.0,3.5b
ISC Event type se.
IDC Error ellipse: s-maj=274.7km s-min=26.1km az=163.0.
NNC Event type se. Error ellipse: s-maj=18.6km s-min=16.3km az=82.0.
ISC I 07 23 19 49.0–.25 36.86N–.03 68.48E–.03 30 4.8b,4.0s 671 2-148
IDC I 07 23 19 44.4–.48 36.77N 68.48E 0 4.5,4.5b ¶611831495
BJI I 07 23 19 45.0–.00 36.90N 68.50E 10 4.9b,4.7L
NNC I 07 23 19 45.9–2.9 37.19N 68.04E 0 5.1b,4.9
MOS I 07 23 19 45.8–.99 36.91N 68.49E 19 5.0b,4.9
NEIC I 07 23 19 47.2–1.2 36.90N–.04 68.42E–.07 14–4 4.9b,4.9
ISC Event type se.
NNC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 09 05 59 10.4–.24 36.85N–.03 68.42E–.03 30 4.9b,4.5s 857 2-156
IDC I 09 05 59 05.9–.53 36.76N 68.52E 0 4.8,4.7b ¶610049899
MOS I 09 05 59 07.8–1.4 36.99N 68.47E 19 5.1b,4.4s
GCMT I 09 05 59 09.0–.20 36.91N–.02 68.27E–.01 12 4.9W,4.4s
NNC I 09 05 59 09.6–1.7 36.92N 68.36E 67–18 5.1,5.0b
NEIC I 09 05 59 10–2.1 36.91N–.02 68.31E–.06 26–4 5.2,5.0b
BJI I 09 05 59 10.1–.00 37.15N 68.61E 22 5.2b,5.2s
BGR I 09 05 59 42.1 39.51N 65.34E 33 4.6b,4.0s
ISC Event type se.
IDC Error ellipse: s-maj=12.3km s-min=9.3km az=179.0.
MOS Error ellipse: s-maj=4.0km s-min=3.2km az=104.5.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s45,c53; s114,c172;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}3.32±.07 $M_{\theta\theta}$-0.49±.07; $M_{\phi\phi}$-2.83±.06; $M_{r\theta}$0.59±.30; $M_{\theta\phi}$0.92±.06; $M_{\phi r}$0.22±.20; Best double couple: NP1:ϕ_s351.00000°,δ46.00000°,λ104.00000°. NP2:ϕ_s151.00000°,δ46.00000°,λ76.00000°. Principal axes: T 3.4300,Plg80.0000° ,Azm340.0000°; N -0.2810,Plg10.0000°,Azm161.0000°; P -3.1460,Plg0.0000°,Azm71.0000° $M_0$3.28800×10^{16}
NNC Event type se. Error ellipse: s-maj=19.8km s-min=9.6km az=162.0.
NEIC Event type se. Error ellipse: s-maj=7.5km s-min=1.9km az=107.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{16}Nm; M_{rr}-6.30 $M_{\theta\theta}$1.60 $M_{\phi\phi}$4.69 $M_{r\theta}$-3.29 $M_{\theta\phi}$4.19 $M_{\phi r}$1.63 NP1:ϕ_s190.09000°,δ48.95000°,λ-127.96000°. NP2:ϕ_s60.00000°,δ53.52000° ,λ-54.76000°. Principal axes: T 7.6349,Plg3.0000°,Azm126.0000°; N 0.5886,Plg28.0000° ,Azm217.0000°; P -8.2234,Plg62.0000°,Azm31.0000° $M_0$7.95000×10^{16}
BGR Event type ke.
ISC I 10 00 13 46.7–2.5 36.9N–.20 70.3E–.20 200 19 6-52
NNC I 10 00 13 42.2–17 36.98N 69.78E 0 4.0b,3.7 ¶610105895
IDC I 10 00 13 47.1–8.5 36.83N 70.37E 211–53 3.7,3.6b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=144.4km s-min=130.7km az=36.0.
IDC Error ellipse: s-maj=85.0km s-min=39.1km az=173.0.
ISC I 10 03 13 42.8–1.9 36.5N–.10 70.7E–.10 150 3.5b 22 6-44
IDC I 10 03 13 37.9–25 35.40N 71.28E 212–159 3.8,3.2b ¶610105899
NNC I 10 03 13 45.6–4.4 36.99N 70.56E 0 4.2b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=484.8km s-min=67.7km az=158.0.
NNC Event type se. Error ellipse: s-maj=36.1km s-min=26.9km az=162.0.
ISC I 14 21 55 26.5–.73 36.44N–.08 70.24E–.08 204 3.3b 25 3-85
IDC I 14 21 55 25.2–2.9 36.24N 70.23E 200–27 3.8,3.3b ¶610237387
SOME I 14 21 55 26.1 37.72N 71.50E 10 3.8,3.3b
NNC I 14 21 55 58.9–10 39.26N 70.66E 0 3.5b,3.1
ISC Event type se.
IDC Error ellipse: s-maj=23.9km s-min=17.6km az=178.0.
NNC Event type se. Error ellipse: s-maj=98.9km s-min=60.8km az=167.0.
NNC I 16 00 03 34.5–4.6 36.83N 70.11E 0 3.6b,3.5
¶612033144
NNC Event type se. Error ellipse: s-maj=64.5km s-min=29.9km az=116.0.
ISC I 17 18 18 46.9–3.0 36.4N–.30 71.0E–.10 100 8 7-20
IDC I 17 18 18 48.2–6.9 36.58N 70.89E 101–59 3.6 ¶610237613
ISC Event type ke.
IDC Error ellipse: s-maj=84.3km s-min=21.1km az=153.0.
ISC I 18 13 37 36.8–.57 36.49N–.05 70.12E–.06 213 3.4b 73 2-85
SOME I 18 13 37 35.4 37.77N 71.93E 5 3.4b ¶610159879
IDC I 18 13 37 36.9–2.3 36.39N 69.98E 222–23 4.0,3.3b
NEIC I 18 13 37 37.7–.93 36.50N–.08 70.06E–.07 227–9 4.0b,3.3b
NNC I 18 13 37 40.7–6.5 37.18N 69.76E 0 4.2b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=19.1km s-min=15.9km az=144.0.
NEIC Event type se. Error ellipse: s-maj=12.2km s-min=7.8km az=160.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=48.0km s-min=43.5km az=9.0.
NNC I 19 16 09 30.2–9.4 36.77N 70.67E 115–205 3.6,2.9b
¶612033301
NNC Event type se. Error ellipse: s-maj=82.6km s-min=68.5km az=6.0.
NNC I 20 13 17 40.8–6.8 36.72N 70.43E 0 3.6b,3.2
¶612033370
NNC Event type se. Error ellipse: s-maj=64.6km s-min=41.2km az=159.0.
ISC I 22 02 27 38.5–1.1 36.5N–.10 71.0E–.10 188 3.0b 16 7-84
IDC I 22 02 27 37.5–3.4 36.34N 70.94E 183–31 3.4,2.8b ¶610197522
ISC Event type ke.
IDC Error ellipse: s-maj=30.3km s-min=22.7km az=165.0.
ISC I 22 04 29 41.3–.60 36.58N–.06 70.81E–.05 188 3.9b 49 2-81
IDC I 22 04 29 37.5–4.7 36.24N 70.85E 148–27 3.9,3.6b ¶610180904
NNC I 22 04 29 39.4–6.4 36.95N 70.49E 0 3.9b,3.6
NEIC I 22 04 29 41.4–2.1 36.57N–.05 70.83E–.08 182–6 4.0b,3.6
ISC Event type se.
NNC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 23 07 19 11.5–1.6 36.3N–.10 69.1E–.10 100 4.2b 24 7-64
IDC I 23 07 19 09.9–6.9 35.93N 69.76E 125–90 4.0,3.8b ¶610180908
NNC I 23 07 19 13.5–4.5 36.52N 69.05E 39–140 4.0,3.9b
ISC Event type se.
IDC Error ellipse: s-maj=108.6km s-min=43.6km az=108.0.
NNC Event type se. Error ellipse: s-maj=42.4km s-min=36.1km az=103.0.
ISC I 23 09 21 31.0–1.2 36.7N–.10 70.9E–.10 188 3.4b 24 6-84
NNC I 23 09 21 27.8–6.8 36.88N 70.55E 0 4.0b,3.8 ¶610235178
IDC I 23 09 21 28.4–5.8 36.39N 71.17E 169–45 3.7,3.3b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=76.0km s-min=45.5km az=56.0.
IDC Error ellipse: s-maj=52.5km s-min=25.0km az=53.0.
ISC I 25 18 34 55.3–.73 36.08N–.05 69.80E–.07 124 3.7b 69 2-85
BJI I 25 18 34 41.6–.00 35.96N 68.66E 35 4.3b,4.2s ¶610121980
IDC I 25 18 34 49.9–4.0 35.74N 69.59E 68–32 4.0,4.0L

NEIC I 25 18 34 53.1–2.3 36.15N–.07 69.3E–.10 117–11 4.2b,4.0L
NNC I 25 18 34 56.6–6.5 37.53N 71.45E 0 4.5b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=37.2km s-min=29.9km az=160.0.
NEIC Event type se. Error ellipse: s-maj=18.0km s-min=7.5km az=111.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=47.4km s-min=34.6km az=4.0.
ISC I 26 01 35 00.2–2.0 36.6N–.10 70.67E–.08 100 30 6-20
IDC I 26 01 34 58.9–6.0 36.51N 70.75E 96–51 3.6 **¶610235356**
NNC I 26 01 34 59.5–4.6 36.93N 70.61E 0 4.0b,3.8
SOME I 26 01 35 06.7 37.22N 71.05E 15 4.0b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=70.1km s-min=20.2km az=154.0.
NNC Event type se. Error ellipse: s-maj=36.4km s-min=28.4km az=169.0.
ISC I 26 08 44 08.8–1.7 36.1N–.10 70.1E–.30 10 3.2b 6 7-85
IDC I 26 08 44 07.2–2.5 35.87N 70.29E 0 3.5s,3.4b **¶610235374**
ISC Event type ke.
IDC Error ellipse: s-maj=81.7km s-min=33.4km az=92.0.
NNC I 27 13 57 21.3–8.2 36.53N 68.92E 33–280 3.9b,3.7
¶612033682
NNC Event type se. Error ellipse: s-maj=152.8km s-min=37.8km az=2.0.
ISC I 28 02 36 44.8–3.6 37.0N–.20 70.3E–.10 200 10 5-16
SOME I 28 02 36 39.5 37.77N 71.75E 5 **¶612033688**
NNC I 28 02 36 44.3–7.8 36.97N 70.27E 197–97 3.4,2.5b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=78.1km s-min=36.9km az=2.0.
ISC I 28 22 04 01.3–.78 36.33N–.07 70.85E–.09 188 3.7b 58 2-73
IDC I 28 22 03 56.4–4.7 36.06N 70.68E 137–33 4.0,3.5b **¶610159930**
NNC I 28 22 03 57.1–10 36.71N 70.10E 0 4.1b,3.9
NEIC I 28 22 03 59.7–.67 36.41N–.06 70.5E–.10 143–4 4.1b,3.9
ISC Event type se.
NNC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 30 13 10 12.3–1.1 36.56N–.08 70.7E–.10 204 26 6-65
IDC I 30 13 10 10.0–15 36.24N 70.79E 188–156 3.9,3.5L **¶610235732**
NNC I 30 13 10 12.1–14 36.95N 70.16E 0 4.6b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=100.9km s-min=60.4km az=168.0.
NNC Event type se. Error ellipse: s-maj=120.2km s-min=109.4km az=41.0.
ISC II 02 13 46 29.8–.47 36.43N–.04 70.19E–.04 214–4 4.3b 184 2-149
IDC II 02 13 46 27.0–3.0 36.19N 70.24E 192–28 4.4,3.9b **¶610180942**
MOS II 02 13 46 29.6–1.1 36.51N 70.23E 221 4.2b,3.9b
BJI II 02 13 46 30.3–.00 36.59N 70.30E 214 4.9b,4.4b
NEIC II 02 13 46 30.7–.91 36.50N–.07 70.3E–.10 221–5 4.4b,4.4b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC II 03 23 06 15.5–2.5 36.3N–.20 69.4E–.10 48 12 7-54
NNC II 03 23 06 17.7–4.1 36.66N 69.60E 0 3.6b,3.2 **¶610414773**
IDC II 03 23 06 21.7–7.8 36.81N 68.94E 106–56 3.5,3.4b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=36.2km s-min=30.4km az=120.0.
IDC Error ellipse: s-maj=129.1km s-min=25.7km az=150.0.
ISC II 05 22 49 09.1–.99 35.88N–.09 70.67E–.07 110 3.8b 33 7-45
IDC II 05 22 49 04.8–10 35.44N 70.85E 84–36 3.7,3.4b **¶610414912**
NNC II 05 22 49 12.6–3.5 36.22N 70.42E 98–87 3.6,3.4b
ISC Event type se.
IDC Error ellipse: s-maj=139.1km s-min=29.0km az=159.0.
NNC Event type se. Error ellipse: s-maj=40.9km s-min=25.1km az=128.0.
ISC II 05 23 21 12.8–.41 36.55N–.04 70.57E–.04 204 4.0b 147 2-150
IDC II 05 23 21 11.2–2.3 36.33N 70.58E 199–21 4.2,3.6b **¶610197724**
MOS II 05 23 21 12.5–1.1 36.56N 70.63E 211 4.1b,3.6b
NEIC II 05 23 21 13.1–1.4 36.56N–.05 70.48E–.08 211–5 4.2b,3.6b
BJI II 05 23 21 14.1–.00 36.71N 70.76E 203 4.5b,4.0b
NNC II 05 23 21 20.1–6.2 37.13N 70.79E 235–64 4.0,3.1b
ISC Event type se.
IDC Error ellipse: s-maj=16.0km s-min=11.8km az=179.0.
MOS Error ellipse: s-maj=8.8km s-min=5.1km az=89.4.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=6.3km az=124.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=64.3km s-min=38.8km az=172.0.
NNC II 06 13 06 19.1–8.2 37.00N 70.16E 0 3.7b,3.5
¶612084759
NNC Event type se. Error ellipse: s-maj=117.6km s-min=48.4km az=112.0.
ISC II 08 11 04 56.9–1.2 36.1N–.10 70.49E–.09 100 3.6b 20 6-84
IDC II 08 11 04 54.1–3.7 35.79N 70.66E 77–31 4.2,3.7b **¶610415114**
SOME II 08 11 05 04.9 37.00N 70.95E 0 4.2,3.7b
ISC Event type ke.
IDC Error ellipse: s-maj=33.1km s-min=29.3km az=178.0.
ISC II 10 04 49 00.4–.40 36.06N–.03 70.56E–.03 105–3 4.7b 574 2-150
MOS II 10 04 48 59.5–1.0 36.11N 70.57E 105 4.8b **¶611831787**
BJI II 10 04 49 00.8–.00 36.20N 70.67E 105 4.9b,4.8b
NEIC II 10 04 49 01.9–2.0 36.10N–.05 70.45E–.07 116–5 4.6b,4.8b
IDC II 10 04 49 01.2–1.5 35.98N 70.54E 111–13 4.6,4.2b
ISC Event type se.
MOS Error ellipse: s-maj=5.2km s-min=3.5km az=89.4.
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=6.4km az=122.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=10.2km s-min=8.8km az=4.0.
NNC II 14 06 19 34.9–9.0 36.78N 70.76E 140–603 3.8,2.8b
¶612085256
NNC Event type se. Error ellipse: s-maj=136.8km s-min=51.5km az=11.0.
NNC II 14 08 37 55.6–5.2 36.73N 70.99E 147–122 3.6,2.7b
¶612085265
NNC Event type se. Error ellipse: s-maj=58.3km s-min=45.4km az=59.0.
NNC II 14 20 00 25.6–9.2 36.81N 69.98E 0 3.9b,3.6
¶612085292
NNC Event type se. Error ellipse: s-maj=78.3km s-min=58.9km az=153.0.
ISC II 16 15 54 32.1–.40 36.04N–.04 70.43E–.04 110 4.1b 212 3-84
BJI II 16 15 54 30.9–.00 36.12N 70.28E 110 4.4b,4.3b **¶610217189**
MOS II 16 15 54 30.6–1.2 36.03N 70.39E 104 4.1b,4.3b
IDC II 16 15 54 30.4–2.9 35.84N 70.43E 94–25 4.0,3.6s
NEIC II 16 15 54 32.4–1.7 36.07N–.06 70.38E–.08 109–6 4.3b,3.6s
NNC II 16 15 54 34.0–1.8 36.32N 70.28E 99–22 4.2,3.8b
ISC Event type se.
MOS Error ellipse: s-maj=9.1km s-min=4.6km az=85.3.
IDC Error ellipse: s-maj=19.7km s-min=12.9km az=16.0.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=7.5km az=56.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=16.2km s-min=9.0km az=158.0.
NNC II 19 20 02 28.1–6.1 36.98N 70.27E 0 3.7b,3.2
¶612085663
NNC Event type se. Error ellipse: s-maj=57.3km s-min=43.1km az=132.0.
NNC II 20 09 31 55.3–4.2 36.85N 70.65E 0 3.7b,3.2
¶612085693
NNC Event type se. Error ellipse: s-maj=40.4km s-min=29.6km az=128.0.
ISC II 22 12 23 00.7–1.7 36.4N–.20 69.3E–.10 100 3.0b 25 7-81
IDC II 22 12 23 00.1–5.6 36.27N 69.37E 103–32 3.7,3.3b **¶610246674**
NNC II 22 12 23 05.1–5.1 36.65N 69.47E 75–166 3.4,3.3b
ISC Event type se.
IDC Error ellipse: s-maj=69.4km s-min=23.4km az=155.0.
NNC Event type se. Error ellipse: s-maj=47.7km s-min=38.1km az=121.0.
ISC II 22 21 40 10.8–.43 36.51N–.04 70.97E–.04 100 4.1b 149 3-84
IDC II 22 21 40 07.9–3.0 36.08N 71.05E 83–26 4.1,3.6b **¶610239659**
MOS II 22 21 40 10.5–.91 36.38N 71.15E 107 4.2b,3.6b
BJI II 22 21 40 12.7–.00 36.59N 71.20E 115 4.6b,4.5b
NEIC II 22 21 40 12.2–1.3 36.38N–.05 70.94E–.08 120–6 4.2b,4.5b
NNC II 22 21 40 13.7–8.5 37.91N 72.21E 0 4.7b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=22.7km s-min=16.2km az=16.0.
MOS Error ellipse: s-maj=9.7km s-min=4.1km az=78.8.
NEIC Event type se. Error ellipse: s-maj=9.0km s-min=7.3km az=99.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=64.8km s-min=37.1km az=8.0.
ISC II 22 22 29 04.8–1.4 36.7N–.10 70.8E–.10 200 3.4b 29 6-81
IDC II 22 22 28 59.7–5.5 36.24N 70.80E 178–37 3.8,3.2b **¶610246672**
NNC II 22 22 29 08.5–2.9 37.14N 70.65E 0 4.4,4.3b
ISC Event type se.
IDC Error ellipse: s-maj=58.0km s-min=30.6km az=149.0.
NNC Event type se. Error ellipse: s-maj=27.8km s-min=21.2km az=132.0.
ISC II 24 12 50 59.4–.39 36.24N–.04 70.06E–.05 135 4.2b 230 2-85
BJI II 24 12 50 58.8–.00 36.31N 70.08E 131 4.7b,4.7b **¶610240613**
MOS II 24 12 50 58.8–.88 36.29N 70.16E 133 4.2b,4.7b
IDC II 24 12 50 59.5–2.4 36.19N 70.18E 138–21 4.3,3.8b
NEIC II 24 12 50 59.8–1.4 36.24N–.05 69.98E–.07 135–5 4.3b,3.8b
NNC II 24 12 50 59.3–1.4 36.32N 70.07E 123–13 4.5,4.0b
ISC Event type se.
MOS Error ellipse: s-maj=9.4km s-min=4.7km az=84.2.
IDC Error ellipse: s-maj=13.8km s-min=10.8km az=174.0.
NEIC Event type se. Error ellipse: s-maj=8.3km s-min=6.9km az=114.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=11.8km s-min=9.3km az=49.0.
ISC II 25 00 42 13.1–.59 36.16N–.06 70.43E–.06 100 3.8b 48 3-84
IDC II 25 00 42 07.5–3.1 35.88N 70.59E 44–26 4.0,3.7s **¶610246689**
NNC II 25 00 42 16.8–3.7 36.80N 70.31E 0 4.3b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=23.6km s-min=16.0km az=169.0.
NNC Event type se. Error ellipse: s-maj=39.4km s-min=23.8km az=144.0.
NNC II 27 03 54 25.9–3.8 36.56N 70.47E 0 3.6b,3.2
¶612086153
NNC Event type se. Error ellipse: s-maj=34.3km s-min=28.3km az=113.0.
ISC II 28 17 59 37.2–.90 36.69N–.08 70.73E–.09 200 3.7b 32 6-66
IDC II 28 17 59 32.3–4.4 36.30N 70.59E 159–32 3.7,3.4b **¶610243907**
NNC II 28 17 59 41.2–3.6 37.00N 70.62E 173–60 3.8,2.8b
ISC Event type se.
IDC Error ellipse: s-maj=55.3km s-min=23.6km az=151.0.
NNC Event type se. Error ellipse: s-maj=40.3km s-min=20.3km az=41.0.
ISC II 28 18 27 36.6–.91 36.57N–.08 70.39E–.10 204 3.8b 31 6-65
IDC II 28 18 27 31.2–4.3 36.29N 70.22E 156–31 3.8s,3.7 **¶610385219**
NNC II 28 18 27 41.1–3.0 36.89N 70.38E 180–42 3.6,2.8b
ISC Event type se.
IDC Error ellipse: s-maj=49.7km s-min=22.1km az=148.0.
NNC Event type se. Error ellipse: s-maj=28.5km s-min=18.0km az=16.0.
ISC III 03 16 24 41.4–.69 36.59N–.06 70.42E–.08 204 3.3b 28 3-85
IDC III 03 16 24 39.0–3.8 36.24N 70.42E 182–35 3.6,3.2b **¶610545465**
NNC III 03 16 24 47.0–5.9 37.15N 70.41E 0 3.8b,3.4
ISC Event type se.
IDC Error ellipse: s-maj=36.3km s-min=23.1km az=160.0.
NNC Event type se. Error ellipse: s-maj=47.6km s-min=43.4km az=130.0.
ISC III 05 03 29 42.3–.65 36.40N–.07 69.59E–.06 10 3.7b 38 7-85
IDC III 05 03 29 40.7–1.2 36.32N 69.77E 0 3.7,3.7b **¶610470918**
NNC III 05 03 29 41.5–4.0 36.52N 69.28E 0 4.1b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=24.1km s-min=15.1km az=157.0.
NNC Event type se. Error ellipse: s-maj=34.3km s-min=26.7km az=164.0.
ISC III 05 11 17 07.9–3.4 36.9N–.20 70.5E–.20 200 12 6-15
NNC III 05 11 17 08.7–5.5 36.92N 70.59E 219–103 3.5,2.4b **¶610472630**
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=60.4km s-min=31.0km az=10.0.
NNC III 05 14 48 19.7–3.1 36.87N 70.30E 0 3.6b,3.2
¶612086645
NNC Event type se. Error ellipse: s-maj=37.4km s-min=22.3km az=130.0.
ISC III 06 00 41 59.9–.69 36.55N–.07 70.86E–.07 188 3.5b 38 6-82
IDC III 06 00 41 55.7–3.1 36.23N 71.01E 166–25 3.7,3.2b **¶610472640**
NNC III 06 00 42 04.5–5.1 37.13N 70.87E 0 3.5b,3.3
ISC Event type se.
IDC Error ellipse: s-maj=27.6km s-min=16.9km az=158.0.
NNC Event type se. Error ellipse: s-maj=44.3km s-min=35.5km az=141.0.
ISC III 06 11 00 35.8–.56 36.34N–.05 69.11E–.06 150 3.7b 62 2-85
IDC III 06 11 00 30.5–3.5 35.95N 69.19E 99–31 3.9,3.7s **¶610545654**
NEIC III 06 11 00 35.6–1.5 36.25N–.05 69.15E–.09 143–11 4.0b,3.7s
NNC III 06 11 00 36.2–4.2 36.87N 68.79E 0 4.0b,3.2
ISC Event type se.
IDC Error ellipse: s-maj=27.5km s-min=18.2km az=173.0.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=7.6km az=74.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=34.4km s-min=25.8km az=177.0.
ISC III 07 14 58 40.7–.62 36.77N–.06 67.54E–.05 10 3.7b,3.2s 43 5-87
IDC III 07 14 58 38.6–1.1 36.54N 67.57E 0 3.8,3.8b **¶616204461**
NNC III 07 14 58 42.2–4.3 37.03N 67.44E 0 4.2b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=18.4km s-min=14.7km az=164.0.
NNC Event type se. Error ellipse: s-maj=37.0km s-min=24.9km az=7.0.
ISC III 09 21 24 28.2–4.1 36.6N–.30 70.8E–.20 100 7 6-15
SOME III 09 21 24 22.9 37.63N 71.40E 0 **¶612086885**
NNC III 09 21 24 28.9–5.3 36.92N 70.71E 0 3.6b,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=49.4km s-min=37.7km az=127.0.
ISC III 10 08 02 18.7–1.8 36.7N–.20 70.3E–.20 204 10 6-65
IDC III 10 08 02 17.2–17 36.15N 70.79E 229–228 3.7,3.4s **¶610545938**
NNC III 10 08 02 20.7–3.2 37.05N 70.48E 0 3.8b,3.4
ISC Event type se.
IDC Error ellipse: s-maj=179.9km s-min=62.0km az=111.0.
NNC Event type se. Error ellipse: s-maj=27.1km s-min=23.9km az=117.0.
ISC III 11 17 57 09.3–1.6 36.88N–.08 70.4E–.20 250 3.0b 27 6-85
NNC III 11 17 57 16.1–11 37.34N 70.77E 0 3.6b,3.2 **¶610546027**
IDC III 11 17 57 31.1–27 37.21N 71.94E 426–205 3.6,2.6b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=89.3km s-min=78.9km az=150.0.
IDC Error ellipse: s-maj=340.1km s-min=38.0km az=72.0.
ISC III 12 14 01 49.6–1.9 36.8N–.10 70.71E–.09 100 24 6-54
IDC III 12 14 01 47.0–5.9 36.64N 70.89E 68–35 3.6,3.5s **¶610472730**
NNC III 12 14 01 51.9–2.0 36.86N 70.98E 121–39 3.4,2.9b
ISC Event type se.
IDC Error ellipse: s-maj=75.3km s-min=25.0km az=149.0.
NNC Event type se. Error ellipse: s-maj=21.7km s-min=15.4km az=64.0.
ISC III 13 02 07 18.2–.33 36.19N–.04 70.81E–.03 100 4.4b 456 2-84
MOS III 13 02 07 17.9–.98 36.26N 70.90E 104 4.5b **¶610326119**
NEIC III 13 02 07 19.3–1.7 36.22N–.04 70.69E–.07 115–5 4.5b
IDC III 13 02 07 20.0–2.2 36.12N 70.79E 116–19 4.4,4.0b
BJI III 13 02 07 21.0–.00 36.50N 70.90E 112 4.8b,4.6b
NNC III 13 02 07 21.9–4.9 36.57N 70.67E 139–78 4.8,4.2b
ISC Event type se.
MOS Error ellipse: s-maj=6.0km s-min=3.6km az=79.3.
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=5.8km az=121.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=12.8km s-min=9.4km az=14.0.
NNC Event type se. Error ellipse: s-maj=56.8km s-min=27.9km az=151.0.
ISC III 13 07 11 15.5–.86 36.22N–.08 70.85E–.07 100 31 6-66
IDC III 13 07 11 15.4–5.8 36.20N 70.77E 83–46 3.7,3.7L **¶610546119**
NNC III 13 07 11 23.7–2.0 36.76N 70.84E 140–34 3.2,2.8b
ISC Event type se.
IDC Error ellipse: s-maj=64.1km s-min=19.9km az=152.0.

NNC Event type se. Error ellipse: s-maj=17.4km s-min=15.5km az=25.0.
ISC III 13 12 14 31.6–2.3 36.4N–.10 70.8E–.20 100 18 6-16
NNC III 13 12 14 40.2–6.8 36.81N 70.96E 100 3.7,3.1b ¶612087145
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=62.9km s-min=47.2km az=136.0.
ISC III 13 14 47 24.0–3.3 36.8N–.20 70.4E–.10 100 13 6-16
NNC III 13 14 47 23.7–9.8 37.09N 70.54E 0 3.6b,3.3 ¶610472748
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=90.3km s-min=64.4km az=145.0.
ISC III 13 20 11 58.1–.69 36.98N–.06 70.98E–.07 88 3.9b 68 2-82
NEIC III 13 20 12 00.8–1.7 37.16N–.06 70.97E–.07 82–7 4.0b ¶610546160
NNC III 13 20 12 01.3–4.2 37.56N 70.79E 0 3.9b,3.3
IDC III 13 20 12 04.6–4.9 37.33N 71.24E 114–27 3.9,3.6b
SOME III 13 20 12 05.7 38.48N 73.72E 0 3.9,3.6b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=7.6km az=157.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=44.2km s-min=23.1km az=149.0.
IDC Error ellipse: s-maj=55.6km s-min=21.8km az=154.0.
NNC III 14 17 12 59.2–5.4 36.86N 69.51E 0 3.8b,3.5
¶612087208
NNC Event type se. Error ellipse: s-maj=51.0km s-min=37.3km az=136.0.
ISC III 17 01 18 38.2–1.1 36.5N–.10 70.2E–.10 200 3.7b 31 6-65
SOME III 17 01 18 33.0 37.45N 72.00E 15 3.7b ¶610546349
IDC III 17 01 18 36.6–3.5 36.31N 70.23E 188–34 3.8,3.3b
NNC III 17 01 18 42.0–5.2 37.02N 70.31E 0 4.4b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=34.0km s-min=22.0km az=143.0.
NNC Event type se. Error ellipse: s-maj=46.2km s-min=36.9km az=141.0.
ISC III 17 03 04 17.5–3.9 36.8N–.20 70.4E–.10 10 9 5-15
SOME III 17 03 04 14.3 37.60N 71.08E 0 ¶612087380
NNC III 17 03 04 19.9–3.9 37.07N 70.36E 0 3.5b,3.1
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=33.6km s-min=27.2km az=143.0.
ISC III 17 17 58 14.1–.40 36.51N–.04 70.77E–.04 188 3.9b 193 2-84
IDC III 17 17 58 10.5–2.4 36.30N 70.83E 146–23 4.0,3.4b ¶610344591
MOS III 17 17 58 10.8–.83 36.35N 70.81E 162 4.1b,3.4b
NNC III 17 17 58 11.4–3.7 36.91N 70.43E 0 4.3b,4.0
NEIC III 17 17 58 14.0–2.8 36.56N–.05 70.74E–.07 178–5 4.2b,4.0
ISC Event type se.
NNC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC III 17 23 46 05.0–6.2 36.81N 70.39E 116–157 3.7,2.7b
¶612087420
NNC Event type se. Error ellipse: s-maj=65.0km s-min=51.8km az=86.0.
ISC III 19 20 11 26.4–2.0 36.5N–.10 70.37E–.09 100 14 6-20
NNC III 19 20 11 26.8–4.5 36.77N 70.41E 0 3.8b,3.4 ¶610546537
IDC III 19 20 11 27.6–9.8 36.63N 70.30E 100–116 3.6,3.5b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=36.5km s-min=26.7km az=165.0.
IDC Error ellipse: s-maj=180.2km s-min=40.8km az=169.0.
ISC III 21 14 08 08.7–.43 36.37N–.05 70.87E–.05 150 4.1b 136 2-84
IDC III 21 14 08 05.0–3.0 36.19N 70.80E 106–25 4.2,3.8s ¶610401453
BJI III 21 14 08 05.4–.00 36.57N 70.63E 143 4.8b,4.5b
MOS III 21 14 08 07.1–.88 36.44N 70.84E 135 4.3b,4.5b
NEIC III 21 14 08 08.3–2.1 36.45N–.05 70.8E–.10 134–4 4.5b,4.5b
NNC III 21 14 08 14.6–3.6 36.90N 70.93E 163–35 4.6,3.7b
ISC Event type se.
IDC Error ellipse: s-maj=21.4km s-min=16.7km az=9.0.
MOS Error ellipse: s-maj=11.0km s-min=5.1km az=89.5.
NEIC Event type se. Error ellipse: s-maj=12.2km s-min=7.7km az=82.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=34.3km s-min=18.5km az=30.0.
ISC III 22 00 26 04.1–5.7 37.0N–.30 70.6E–.20 10 12 5-15
NNC III 22 00 26 03.5–11 37.15N 69.13E 0 4.4b,4.2 ¶612087735
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=99.9km s-min=77.1km az=148.0.
ISC III 24 03 28 19.7–9.4 36.6N–.80 70.1E–.20 250 12 6-15
SOME III 24 03 28 17.5 37.68N 71.93E 15 ¶610472928
NNC III 24 03 28 28.1–3.1 37.29N 70.14E 273–35 2.7,2.1b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=35.0km s-min=26.8km az=23.0.
ISC III 25 07 12 23.2–1.5 36.7N–.10 70.8E–.10 150 3.6b 17 6-81
IDC III 25 07 12 14.7–4.9 36.24N 71.07E 81–31 3.7,3.3b ¶610543634
NNC III 25 07 12 24.5–11 37.09N 69.81E 0 3.9b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=52.5km s-min=19.1km az=151.0.
NNC Event type se. Error ellipse: s-maj=121.4km s-min=80.8km az=153.0.
ISC III 26 00 06 30.7–.40 36.38N–.04 69.06E–.04 50 4.0b,3.3s 163 2-85
IDC III 26 00 06 23.9–.83 36.17N 69.13E 0 3.8,3.8b ¶610435145
NNC III 26 00 06 30.3–4.0 36.88N 68.62E 0 4.3b,4.2
MOS III 26 00 06 30.7–1.3 36.47N 69.17E 55 4.2b,4.2
NEIC III 26 00 06 32.5–1.8 36.47N–.05 69.09E–.06 58–7 4.2b,4.2
ISC Event type se.
NNC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 26 03 20 15.6–2.1 35.8N–.10 69.7E–.30 10 6 6-83
IDC III 26 03 20 14.4–2.4 35.83N 69.74E 0 3.3,3.3b ¶610543697
NNC III 26 03 20 46.0–2.5 37.16N 69.70E 0 3.9b,3.6
ISC Event type se.
IDC Error ellipse: s-maj=74.8km s-min=37.7km az=92.0.
NNC Event type se. Error ellipse: s-maj=42.6km s-min=16.5km az=110.0.
ISC III 26 05 09 49.0–.57 36.50N–.06 70.23E–.07 213 3.6b 66 2-85
IDC III 26 05 09 47.1–3.1 36.32N 70.34E 204–27 3.8,3.3b ¶610435147
NEIC III 26 05 09 49.8–1.5 36.50N–.07 70.13E–.09 221–6 4.0b,3.3b
NNC III 26 05 09 52.4–7.6 37.29N 73.04E 0 4.2b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=25.1km s-min=19.8km az=169.0.
NEIC Event type se. Error ellipse: s-maj=10.9km s-min=10.1km az=161.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=62.4km s-min=57.7km az=37.0.
ISC III 26 20 07 49.2–1.1 35.91N–.09 70.41E–.08 100 30 6-21
IDC III 26 20 07 52.6–6.4 36.21N 70.24E 99–56 4.0b,3.9 ¶612088038
ISC Event type se.
IDC Error ellipse: s-maj=78.0km s-min=20.8km az=154.0.
ISC III 27 03 58 14.5–1.5 36.9N–.10 70.79E–.08 150 3.6b 26 6-81
IDC III 27 03 58 08.3–4.5 36.24N 71.27E 153–31 3.6,3.2b ¶610471028
NNC III 27 03 58 15.6–4.2 37.19N 69.76E 0 4.4,4.3
ISC Event type se.
IDC Error ellipse: s-maj=52.8km s-min=22.8km az=149.0.
NNC Event type se. Error ellipse: s-maj=37.8km s-min=28.3km az=123.0.
NNC III 27 12 56 57.4–11 37.00N 69.68E 0 3.9b,3.5
¶612088093
NNC Event type se. Error ellipse: s-maj=92.2km s-min=90.2km az=51.0.
ISC III 29 18 26 03.9–.89 36.39N–.06 70.46E–.07 150 29 2-95
IDC III 29 18 25 59.9–10 34.93N 70.44E 268–132 3.9s,3.7 ¶610543949
NEIC III 29 18 26 05.7–1.4 36.44N–.07 70.44E–.10 151–10 4.1b,3.7
NNC III 29 18 26 07.0–6.6 36.93N 70.24E 0 3.1b,2.7
ISC Event type se.
IDC Error ellipse: s-maj=115.7km s-min=72.5km az=154.0.
NEIC Event type se. Error ellipse: s-maj=11.3km s-min=9.6km az=87.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=53.3km s-min=40.3km az=163.0.
ISC III 30 18 19 33.6–3.7 36.8N–.20 69.7E–.10 37 18 5-14
NNC III 30 18 19 34.9–5.8 37.17N 69.67E 0 4.0,3.9b ¶610473010
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=50.1km s-min=39.9km az=146.0.
ISC III 30 23 26 08.6–2.4 36.7N–.20 70.9E–.10 188 27 5-44
IDC III 30 23 26 00.1–16 35.89N 70.92E 158–83 3.7,3.2b ¶610473013
NNC III 30 23 26 09.9–3.3 37.01N 70.95E 0 4.3b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=185.5km s-min=53.1km az=173.0.
NNC Event type se. Error ellipse: s-maj=31.0km s-min=25.8km az=76.0.
ISC III 31 08 37 30.0–.60 36.56N–.06 68.18E–.05 30 4.0b 84 2-81
IDC III 31 08 37 25.8–1.5 36.41N 68.34E 0 4.0,3.9L ¶610465771
NNC III 31 08 37 30.7–2.4 36.84N 68.24E 0 4.3b,3.8
NEIC III 31 08 37 31.4–2.1 36.48N–.05 68.15E–.09 47–11 4.0b,3.8
ISC Event type se.
NNC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 31 13 08 49.5–.77 36.39N–.07 70.89E–.08 150 3.5b 30 6-84
IDC III 31 13 08 47.9–3.3 36.24N 70.86E 140–29 3.7,3.3b ¶610471055
SOME III 31 13 08 52.3 37.80N 71.50E 0 3.7,3.3b
NNC III 31 13 08 56.4–5.6 37.13N 70.85E 0 3.5b,3.2
ISC Event type se.
IDC Error ellipse: s-maj=25.8km s-min=18.3km az=17.0.
NNC Event type se. Error ellipse: s-maj=44.5km s-min=36.0km az=160.0.
ISC III 31 22 29 27.7–.58 36.56N–.05 70.08E–.06 213 3.4b 71 2-85
IDC III 31 22 29 25.2–3.1 36.23N 70.09E 210–28 3.8,3.1b ¶610470135
SOME III 31 22 29 25.0 37.65N 71.45E 0 3.8,3.1b
NEIC III 31 22 29 28.6–2.0 36.57N–.03 70.06E–.08 229–6 4.0b,3.1b
NNC III 31 22 29 30.5–3.2 36.98N 70.13E 0 4.0b,3.6
ISC Event type se.
IDC Error ellipse: s-maj=28.1km s-min=19.9km az=162.0.
NEIC Event type se. Error ellipse: s-maj=9.6km s-min=3.6km az=104.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=27.7km s-min=23.4km az=87.0.
ISC IV 02 02 48 10.6–.27 36.35N–.03 69.00E–.03 43 4.6b,3.8s 435 2-149
IDC IV 02 02 48 04.3–.49 36.14N 69.02E 0 4.3,4.3b ¶611832197
BJI IV 02 02 48 06.0–.00 36.43N 68.90E 15 4.8L,4.7b
MOS IV 02 02 48 09.5–1.4 36.39N 69.08E 45 4.7b,4.7b
NEIC IV 02 02 48 11.6–1.9 36.34N–.05 68.94E–.07 43–6 4.6b,4.7b
NNC IV 02 02 48 14.5–5.0 36.47N 69.16E 151–60 4.7,4.1b
ISC Event type se.
IDC Error ellipse: s-maj=12.1km s-min=9.5km az=173.0.
MOS Error ellipse: s-maj=4.6km s-min=3.3km az=82.9.
NEIC Event type se. Error ellipse: s-maj=8.4km s-min=7.0km az=79.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=42.6km s-min=28.6km az=12.0.
ISC IV 05 01 10 14.6–2.2 36.4N–.20 69.9E–.20 200 9 6-65
IDC IV 05 01 10 13.5–5.7 36.15N 69.94E 201–42 3.4,3.0b ¶610651953
NNC IV 05 01 10 19.0–6.3 37.10N 69.39E 0 3.3b,2.7
ISC Event type se.
IDC Error ellipse: s-maj=74.2km s-min=22.2km az=147.0.
NNC Event type se. Error ellipse: s-maj=61.1km s-min=44.7km az=139.0.
ISC IV 06 03 39 42.9–.42 36.62N–.05 70.99E–.05 200 4.1b 117 2-150
IDC IV 06 03 39 39.7–2.8 36.36N 71.00E 176–24 4.1,3.6b ¶610598309
NEIC IV 06 03 39 44.2–1.2 36.68N–.07 70.98E–.05 205–6 4.3b,3.6b
NNC IV 06 03 39 51.7–6.6 37.29N 71.40E 253–69 4.5,3.2b
ISC Event type se.
IDC Error ellipse: s-maj=18.0km s-min=13.8km az=10.0.
NEIC Event type se. Error ellipse: s-maj=9.8km s-min=5.3km az=171.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=70.1km s-min=46.2km az=168.0.
ISC IV 07 13 45 59.6–1.6 36.4N–.10 70.18E–.10 100 19 6-65
IDC IV 07 13 45 58.1–6.1 36.11N 70.38E 111–46 3.6,3.4b ¶610652159
NNC IV 07 13 45 59.1–4.4 36.69N 70.05E 0 3.7b,3.3
ISC Event type se.
IDC Error ellipse: s-maj=75.3km s-min=23.4km az=147.0.
NNC Event type se. Error ellipse: s-maj=35.3km s-min=25.7km az=166.0.
ISC IV 07 18 06 10.6–.47 36.08N–.05 69.92E–.04 124 3.8b 134 2-83
IDC IV 07 18 06 07.5–3.6 35.88N 70.04E 101–30 3.8,3.3b ¶610521448
MOS IV 07 18 06 09.3–.75 36.18N 69.92E 112 4.3b,3.3b
NNC IV 07 18 06 09.2–3.1 36.60N 69.62E 0 4.2b,4.0
NEIC IV 07 18 06 10.6–2.0 36.14N–.05 69.84E–.06 118–10 4.0b,4.0
ISC Event type se.
NNC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 08 02 31 34.7–.98 36.33N–.08 69.54E–.07 100 42 6-21
IDC IV 08 02 31 37.3–6.0 36.49N 69.46E 125–45 3.7,3.6b ¶610639846
NNC IV 08 02 31 39.8–2.2 36.65N 69.43E 90–64 4.4,3.7b
ISC Event type se.
IDC Error ellipse: s-maj=76.3km s-min=19.2km az=159.0.
NNC Event type se. Error ellipse: s-maj=19.6km s-min=16.1km az=77.0.
NNC IV 09 11 57 24.5–4.3 36.89N 67.85E 0 3.7,3.6b
¶612037342
NNC Event type se. Error ellipse: s-maj=43.6km s-min=28.9km az=148.0.
ISC IV 12 00 43 30.3–.40 36.48N–.04 70.38E–.04 204 4.0b 183 2-85
NNC IV 12 00 43 26.8–3.4 36.83N 70.00E 0 4.7b,4.5 ¶610526867
MOS IV 12 00 43 30.0–.87 36.51N 70.40E 217 3.8b,4.5
IDC IV 12 00 43 31.7–.85 36.43N 70.36E 227–7 4.1,3.5b
NEIC IV 12 00 43 31.2–2.1 36.52N–.05 70.33E–.09 221–5 4.3b,3.5b
ISC Event type se.
NNC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 15 00 23 58.0–.42 36.43N–.04 70.73E–.04 204 3.8b 147 2-89
IDC IV 15 00 23 53.8–2.7 36.17N 70.72E 170–22 3.9,3.4b ¶610528321
MOS IV 15 00 23 55.3–1.1 36.28N 70.72E 195 4.1b,3.4b
NEIC IV 15 00 23 59.4–2.2 36.48N–.06 70.59E–.09 207–6 4.0b,3.4b
NNC IV 15 00 24 03.2–1.2 36.86N 70.82E 214–11 4.5,3.2b
ISC Event type se.
IDC Error ellipse: s-maj=20.5km s-min=14.2km az=171.0.
MOS Error ellipse: s-maj=10.7km s-min=4.7km az=79.8.
NEIC Event type se. Error ellipse: s-maj=11.7km s-min=8.3km az=120.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=11.3km s-min=6.9km az=33.0.
ISC IV 15 23 02 20.5–.92 35.96N–.07 69.97E–.08 150 3.7b 34 7-65
IDC IV 15 23 02 13.7–5.9 35.41N 70.20E 98–50 4.0,3.5b ¶610639042
NNC IV 15 23 02 23.1–5.4 36.19N 69.86E 185–64 3.6,2.9b
ISC Event type se.
IDC Error ellipse: s-maj=56.0km s-min=29.3km az=145.0.
NNC Event type se. Error ellipse: s-maj=48.7km s-min=38.3km az=62.0.
ISC IV 16 00 02 57.7–.46 36.49N–.05 70.94E–.05 188 3.8b 100 2-84
IDC IV 16 00 02 55.4–2.8 36.24N 70.85E 165–24 3.9,3.4b ¶610598376
NEIC IV 16 00 02 59.2–1.4 36.54N–.07 70.85E–.10 189–6 4.1b,3.4b
NNC IV 16 00 02 59.6–4.7 37.07N 70.54E 0 4.1b,3.6
ISC Event type se.
IDC Error ellipse: s-maj=21.0km s-min=15.2km az=6.0.
NEIC Event type se. Error ellipse: s-maj=11.6km s-min=9.7km az=81.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=37.7km s-min=27.6km az=165.0.
ISC IV 17 23 04 35.7–.19 36.48N–.02 70.87E–.02 193–1 5.0b 1764 2-152
MOS IV 17 23 04 34.3–.84 36.49N 70.96E 190 5.1b ¶610529591
GCMT IV 17 23 04 36.5–.20 36.52N–.02 70.72E–.02 194–1 5.1W
IDC IV 17 23 04 36.2–.47 36.37N 70.88E 198–4 5.2,4.7b
BJI IV 17 23 04 36.1–.00 36.61N 71.03E 194 5.0b,4.9b
NNC IV 17 23 04 36.5–3.5 36.77N 70.66E 175–47 5.8,4.9b
NEIC IV 17 23 04 36.5–1.5 36.54N–.05 70.86E–.06 194–4 5.1b,4.9b

ISC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s52,c55; s125,c184;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}4.73±.12 $M_{\theta\theta}$-2.48±.15; $M_{\phi\phi}$-2.25±.13; $M_{r\theta}$-2.73±.12; $M_{\theta\phi}$-1.63±.12; $M_{\phi r}$-0.05±.11; Best double couple: NP1:ϕ_s245.00000°,δ60.00000°,λ106.00000°. NP2:ϕ_s36.00000°,δ34.00000°,λ65.00000°. Principal axes: T 5.6770,Plg71.0000° ,Azm191.0000°; N -1.1840,Plg14.0000°,Azm57.0000°; P -4.4930,Plg14.0000° ,Azm324.0000° $M_0$5.08500×10^{16}
NNC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 18 20 33 48.2–.39 36.56N–.04 70.90E–.04 188 4.2b 170 2-85
IDC IV 18 20 33 47.3–2.5 36.31N 70.85E 176–24 4.2,3.7b ¶610544088
NNC IV 18 20 33 49.6–2.1 36.72N 70.65E 156–27 4.1,3.5b
NEIC IV 18 20 33 49.2–2.3 36.56N–.06 70.84E–.08 191–5 4.3b,3.5b
ISC Event type se.
NNC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 19 12 48 33.1–1.3 36.8N–.10 70.8E–.10 200 3.3b 20 6-81
IDC IV 19 12 48 26.3–5.0 36.17N 70.99E 172–37 3.7,3.2b ¶610653049
NNC IV 19 12 48 36.4–2.9 37.11N 71.02E 245–41 3.5,2.4b
ISC Event type se.
IDC Error ellipse: s-maj=55.5km s-min=27.5km az=147.0.
NNC Event type se. Error ellipse: s-maj=30.4km s-min=21.2km az=34.0.
ISC IV 20 18 27 48.1–1.1 36.37N–.08 70.4E–.10 100 23 2-34
NEIC IV 20 18 27 47.6–1.0 36.29N–.07 70.2E–.10 110–5 4.1b ¶610544439
NNC IV 20 18 27 49.1–11 36.85N 70.08E 0 3.7b,3.3
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=13.8km s-min=7.5km az=118.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=89.2km s-min=78.5km az=157.0.
ISC IV 23 22 16 03.3–.61 36.58N–.07 70.86E–.06 188 3.5b 45 6-84
IDC IV 23 22 16 01.4–2.9 36.31N 70.98E 183–26 3.8,3.3b ¶610649835
NNC IV 23 22 16 09.3–5.5 37.06N 70.81E 225–188 3.9,2.7b
ISC Event type se.
IDC Error ellipse: s-maj=21.2km s-min=14.6km az=3.0.
NNC Event type se. Error ellipse: s-maj=87.0km s-min=35.6km az=5.0.
ISC IV 23 22 55 35.8–.44 36.40N–.05 68.84E–.05 35 3.9b,3.2s 109 2-86
IDC IV 23 22 55 29.8–.76 36.22N 68.94E 0 3.9,3.8b ¶610639126
NNC IV 23 22 55 33.9–3.3 36.42N 69.19E 4–17 4.4b,4.0
NEIC IV 23 22 55 36.7–2.4 36.46N–.04 68.88E–.07 31–5 4.3b,4.0
ISC Event type se.
NNC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC IV 24 13 39 05.9–1.2 36.5N–.10 69.68E–.08 150 15 6-65
IDC IV 24 13 39 05.0–3.6 36.40N 69.68E 139–39 3.7,3.2s ¶610649893
NNC IV 24 13 39 08.2–10 36.88N 69.67E 0 3.5b,3.1
ISC Event type se.
IDC Error ellipse: s-maj=37.1km s-min=17.4km az=162.0.
NNC Event type se. Error ellipse: s-maj=84.1km s-min=74.7km az=157.0.
ISC IV 24 22 15 02.1–2.9 36.8N–.20 70.8E–.10 10 9 6-16
NNC IV 24 22 15 01.7–5.0 36.92N 70.85E 0 3.8b,3.5 ¶612038064
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=39.8km s-min=30.7km az=157.0.
ISC IV 25 08 10 01.4–1.6 36.4N–.10 70.9E–.20 200 13 6-81
IDC IV 25 08 09 58.5–8.2 36.04N 71.05E 197–68 3.6,2.9b ¶610649964
NNC IV 25 08 10 09.5–4.3 36.94N 70.98E 221–61 3.2,2.2b
ISC Event type se.
IDC Error ellipse: s-maj=75.3km s-min=33.5km az=149.0.
NNC Event type se. Error ellipse: s-maj=46.4km s-min=29.1km az=18.0.
ISC IV 28 19 14 11.6–.64 36.28N–.05 70.23E–.05 100 61 2-73
IDC IV 28 19 13 56.2–3.0 35.47N 70.27E 0 3.8b,3.6 ¶610639147
NEIC IV 28 19 14 13.8–1.9 36.29N–.05 70.14E–.07 121–4 4.1b,3.6
NNC IV 28 19 14 13.5–3.9 36.76N 69.95E 0 4.3b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=69.9km s-min=25.8km az=150.0.
NEIC Event type se. Error ellipse: s-maj=8.8km s-min=7.1km az=115.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=31.9km s-min=23.0km az=166.0.
ISC IV 28 22 33 56.7–1.6 36.7N–.10 70.1E–.10 213 24 6-81
IDC IV 28 22 33 52.0–5.1 36.23N 70.31E 194–34 3.6,2.9b ¶610650261
NNC IV 28 22 33 57.9–5.2 37.15N 69.89E 0 3.8b,3.4
ISC Event type se.
IDC Error ellipse: s-maj=71.2km s-min=21.4km az=150.0.
NNC Event type se. Error ellipse: s-maj=43.9km s-min=36.9km az=142.0.
ISC IV 29 08 58 58.3–.71 36.68N–.06 69.68E–.06 150 3.6b 35 3-85
IDC IV 29 08 58 55.5–2.9 36.30N 69.87E 152–24 3.8,3.4b ¶610598477
NNC IV 29 08 59 02.8–3.5 36.93N 69.68E 150–47 3.4,3.0b
ISC Event type se.
IDC Error ellipse: s-maj=23.2km s-min=13.6km az=171.0.
NNC Event type se. Error ellipse: s-maj=31.5km s-min=17.8km az=33.0.
ISC IV 29 09 52 29.2–3.3 36.9N–.20 70.8E–.20 200 14 6-15
NNC IV 29 09 52 29.1–4.6 36.85N 70.77E 186–94 4.0,2.9b ¶610639152
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=55.3km s-min=26.3km az=32.0.
ISC IV 29 09 59 46.9–1.7 36.9N–.10 70.5E–.10 150 13 6-65
IDC IV 29 09 59 45.1–7.9 37.37N 69.19E 74–89 3.5,3.4L ¶610650299
NNC IV 29 09 59 47.7–5.2 36.90N 70.86E 216–87 3.0,2.0b
ISC Event type se.
IDC Error ellipse: s-maj=244.0km s-min=49.0km az=133.0.
NNC Event type se. Error ellipse: s-maj=55.1km s-min=35.8km az=34.0.
ISC IV 29 18 04 19.6–1.9 36.3N–.10 70.22E–.08 100 24 6-22
IDC IV 29 18 04 02.1–8.5 35.19N 70.75E 0 4.0b,3.8 ¶610650341
NNC IV 29 18 04 22.6–2.7 36.45N 70.32E 84–62 3.7,3.5b
ISC Event type se.
IDC Error ellipse: s-maj=117.9km s-min=34.2km az=165.0.
NNC Event type se. Error ellipse: s-maj=24.2km s-min=20.2km az=125.0.
ISC IV 30 20 09 15.1–.53 36.48N–.05 70.97E–.05 150 3.8b 86 2-84
IDC IV 30 20 09 13.0–2.9 36.24N 70.98E 128–26 3.9,3.5b ¶610598496
NEIC IV 30 20 09 16.2–1.5 36.49N–.06 70.90E–.09 152–5 4.1b,3.5b
NNC IV 30 20 09 20.3–3.2 36.82N 70.90E 131–44 4.2,3.5b
ISC Event type se.
IDC Error ellipse: s-maj=21.7km s-min=13.5km az=29.0.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=8.9km az=108.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=29.9km s-min=23.8km az=151.0.
ISC V 01 12 54 35.8–1.8 36.2N–.10 70.2E–.10 10 3.7b 23 7-82
NNC V 01 12 54 35.1–12 36.09N 69.85E 23–277 3.8b,3.6 ¶610669454
IDC V 01 12 54 39.8–4.2 36.12N 71.18E 52–35 3.8,3.8L
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=254.3km s-min=47.4km az=2.0.
IDC Error ellipse: s-maj=32.2km s-min=22.9km az=152.0.
ISC V 03 18 15 56.4–2.0 36.7N–.10 70.80E–.09 188 13 6-66
IDC V 03 18 15 53.9–5.5 36.49N 70.80E 101–39 3.4,3.4b ¶610689496
NNC V 03 18 15 58.1–2.0 36.79N 71.11E 195–36 2.9,2.0b
ISC Event type se.
IDC Error ellipse: s-maj=63.9km s-min=19.6km az=151.0.
NNC Event type se. Error ellipse: s-maj=28.0km s-min=13.5km az=51.0.
ISC V 03 22 41 32.3–.48 36.27N–.05 71.00E–.05 100 4.1b 84 2-82
IDC V 03 22 41 27.8–3.5 35.92N 70.99E 63–30 3.8,3.5b ¶610593978
NEIC V 03 22 41 33.0–1.8 36.35N–.05 70.97E–.09 96–6 4.2b,3.5b
NNC V 03 22 41 35.6–3.0 36.62N 70.37E 66–116 3.8,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=25.8km s-min=20.6km az=143.0.
NEIC Event type se. Error ellipse: s-maj=11.1km s-min=5.6km az=61.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=30.8km s-min=15.6km az=145.0.
ISC V 04 22 56 35.4–.94 36.74N–.10 70.96E–.08 250 3.5b 37 6-84
IDC V 04 22 56 32.0–2.7 36.35N 71.11E 229–24 3.9,3.2b ¶610689572
NNC V 04 22 56 39.8–2.7 37.06N 71.04E 236–27 4.1,2.8b
ISC Event type se.
IDC Error ellipse: s-maj=20.3km s-min=15.8km az=175.0.
NNC Event type se. Error ellipse: s-maj=27.8km s-min=21.4km az=165.0.
ISC V 05 09 17 12.8–.59 36.42N–.05 70.98E–.05 100 3.9b 66 2-82
IDC V 05 09 17 08.2–3.8 35.93N 71.23E 70–31 3.8,3.5b ¶610669474
NEIC V 05 09 17 14.9–1.9 36.46N–.06 70.92E–.07 100–3 4.5b,3.5b
NNC V 05 09 17 15.7–7.0 37.04N 70.51E 0 4.0b,3.6
ISC Event type se.
IDC Error ellipse: s-maj=31.7km s-min=22.7km az=168.0.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=7.9km az=145.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=55.3km s-min=37.4km az=170.0.
ISC V 05 17 33 07.7–1.9 36.7N–.10 71.0E–.20 200 19 6-84
IDC V 05 17 33 09.2–8.3 36.34N 72.24E 169–72 3.6,3.0b ¶610689620
NNC V 05 17 33 18.5–8.0 38.18N 71.62E 441–164 3.6,2.0b
ISC Event type se.
IDC Error ellipse: s-maj=181.3km s-min=58.8km az=96.0.
NNC Event type se. Error ellipse: s-maj=152.8km s-min=70.6km az=5.0.
ISC V 07 00 36 30.3–2.2 37.0N–.20 70.2E–.20 250 20 6-81
NNC V 07 00 36 28.0–6.9 36.71N 70.20E 127–365 3.8,3.2b ¶610689693
IDC V 07 00 36 29.8–8.7 36.92N 70.13E 247–55 3.7,2.8b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=115.4km s-min=50.1km az=153.0.
IDC Error ellipse: s-maj=78.3km s-min=64.7km az=11.0.
ISC V 10 22 21 34.7–.51 36.44N–.05 70.14E–.06 213 3.8b 77 2-85
IDC V 10 22 21 33.3–2.9 36.24N 70.20E 213–25 3.8,3.3b ¶610623479
NEIC V 10 22 21 36.5–1.2 36.49N–.07 70.09E–.06 231–6 4.3b,3.3b
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 14 08 40 30.4–.39 36.50N–.04 70.91E–.05 188 4.2b 160 2-84
IDC V 14 08 40 26.6–2.5 36.31N 70.92E 154–21 4.4,3.9b ¶610638605
BJI V 14 08 40 30.2–.00 36.71N 70.78E 191 4.7b,4.4b
NEIC V 14 08 40 31.1–2.2 36.52N–.06 70.84E–.07 190–5 4.2b,4.4b
NNC V 14 08 40 32.2–3.6 37.08N 70.61E 0 4.8b,4.6
ISC Event type se.
IDC Error ellipse: s-maj=16.6km s-min=12.2km az=179.0.
NEIC Event type se. Error ellipse: s-maj=8.9km s-min=8.1km az=184.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=29.2km s-min=21.4km az=165.0.
ISC V 16 01 54 05.5–1.5 36.9N–.10 71.0E–.10 150 3.4b 22 6-81
IDC V 16 01 53 58.8–5.2 36.44N 71.20E 100–33 3.6,3.2b ¶610690373
NNC V 16 01 54 04.2–1.6 36.85N 71.11E 139–35 3.6,2.9b
ISC Event type se.
IDC Error ellipse: s-maj=65.8km s-min=22.6km az=143.0.
NNC Event type se. Error ellipse: s-maj=15.3km s-min=13.8km az=157.0.
NNC V 16 14 37 42.8–7.1 36.67N 69.23E 0 3.6b,3.2
¶612039093
NNC Event type se. Error ellipse: s-maj=71.8km s-min=39.5km az=158.0.
ISC V 18 10 26 47.4–.29 36.49N–.03 70.17E–.03 210–2 4.6b 611 2-149
NNC V 18 10 26 37.7–2.8 36.59N 69.85E 0 5.3b,5.0 ¶611833927
MOS V 18 10 26 46.3–.92 36.51N 70.17E 213 4.7b,5.0
BJI V 18 10 26 47.1–.00 36.58N 70.15E 215 4.6b,4.6b
IDC V 18 10 26 47.7–.58 36.43N 70.14E 216–5 4.8,4.3b
NEIC V 18 10 26 48.2–1.4 36.58N–.02 70.16E–.08 213–6 4.5b,4.3b
ISC Event type se.
NNC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 18 16 54 15.1–.60 36.30N–.06 67.63E–.05 10 3.8b,3.3s 45 4-86
IDC V 18 16 54 13.8–1.0 36.18N 67.62E 0 3.8,3.7b ¶610690609
NNC V 18 16 54 20.4–3.3 36.59N 68.09E 0 3.8b,3.4
ISC Event type se.
IDC Error ellipse: s-maj=19.3km s-min=15.5km az=167.0.
NNC Event type se. Error ellipse: s-maj=32.3km s-min=23.6km az=121.0.
NNC V 18 23 46 15.1–5.5 36.96N 70.43E 0 4.1b,3.7
¶610769258
NNC Event type se. Error ellipse: s-maj=45.9km s-min=40.9km az=124.0.
ISC V 19 12 38 06.6–.80 36.52N–.07 70.91E–.10 200 3.6b 28 6-84
IDC V 19 12 38 05.6–4.5 36.28N 71.00E 206–40 3.7,3.2b ¶610690671
NNC V 19 12 38 14.5–2.6 37.01N 70.93E 209–35 3.3,2.5b
ISC Event type se.
IDC Error ellipse: s-maj=32.5km s-min=20.5km az=30.0.
NNC Event type se. Error ellipse: s-maj=24.9km s-min=18.0km az=7.0.
ISC V 19 17 16 31.9–.98 36.60N–.08 70.87E–.07 150 3.5b 33 6-84
IDC V 19 17 16 29.6–3.5 36.35N 71.01E 136–32 3.8,3.3b ¶610690688
NNC V 19 17 16 37.3–3.5 36.92N 70.81E 134–50 3.6,3.1b
ISC Event type se.
IDC Error ellipse: s-maj=27.5km s-min=20.4km az=2.0.
NNC Event type se. Error ellipse: s-maj=28.9km s-min=20.4km az=26.0.
NNC V 20 06 23 28.0–9.9 36.72N 68.89E 0 3.6b,3.3
¶612039242
NNC Event type se. Error ellipse: s-maj=104.2km s-min=58.5km az=160.0.
ISC V 20 14 15 59.6–2.8 36.7N–.30 68.1E–.10 30 9 8-81
IDC V 20 14 15 56.1–3.3 36.64N 68.10E 0 3.6,3.5b ¶610685030
ISC Event type ke.
IDC Error ellipse: s-maj=62.5km s-min=20.5km az=153.0.
ISC V 21 04 51 02.1–2.5 36.9N–.20 70.9E–.20 200 3.5b 9 6-66
IDC V 21 04 50 59.3–14 36.08N 71.31E 258–177 3.5,3.1b ¶610685065
ISC Event type ke.
IDC Error ellipse: s-maj=103.2km s-min=52.5km az=98.0.
ISC V 21 05 33 34.7–.43 36.16N–.05 70.96E–.04 102 3.8b 128 2-84
IDC V 21 05 33 33.4–2.8 36.03N 71.08E 82–25 4.0,3.6b ¶610646023
MOS V 21 05 33 33.4–1.1 36.16N 71.07E 93 4.2b,3.6b
NEIC V 21 05 33 35.5–2.0 36.25N–.07 70.83E–.07 106–10 4.0b,3.6b
NNC V 21 05 33 40.0–5.0 36.56N 70.71E 120–78 4.4,3.8b
ISC Event type se.
IDC Error ellipse: s-maj=17.4km s-min=12.3km az=3.0.
MOS Error ellipse: s-maj=9.2km s-min=5.4km az=91.4.
NEIC Event type se. Error ellipse: s-maj=10.5km s-min=8.0km az=152.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=39.9km s-min=28.2km az=30.0.
NNC V 22 21 30 32.1–11 36.64N 70.51E 0 3.7b,3.3
¶612039359
NNC Event type se. Error ellipse: s-maj=95.1km s-min=84.4km az=141.0.
ISC V 22 23 25 33.7–3.5 36.3N–.20 69.3E–.10 48 15 7-15
NNC V 22 23 25 33.8–5.4 36.63N 69.39E 0 3.8b,3.6 ¶610769292
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=44.0km s-min=33.1km az=168.0.
ISC V 23 14 37 26.7–.48 35.63N–.05 70.22E–.05 87 4.1b 115 1-84
IDC V 23 14 37 25.1–3.4 35.54N 70.24E 70–30 3.9,3.7L ¶610650681
MOS V 23 14 37 25.9–.78 35.70N 70.14E 88 4.2b,3.7L
BJI V 23 14 37 26.3–.00 35.79N 69.92E 109 4.8b,4.4b
NEIC V 23 14 37 27.6–1.2 35.70N–.07 70.1E–.10 87–8 4.3b,4.4b
NNC V 23 14 37 31.3–2.5 36.06N 69.83E 53–64 4.2b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=23.2km s-min=14.8km az=177.0.
MOS Error ellipse: s-maj=12.0km s-min=5.7km az=80.3.
NEIC Event type se. Error ellipse: s-maj=13.7km s-min=8.2km az=120.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.

NNC Event type se. Error ellipse: s-maj=25.6km s-min=16.0km az=141.0.
ISC V 24 06 35 55.4–1.9 36.0N–.20 69.6E–.10 112 13 7-65
IDC V 24 06 35 54.1–9.2 35.72N 69.57E 108–67 3.6,3.4L **¶610685277**
NNC V 24 06 35 57.3–4.6 36.53N 69.43E 0 3.5b,2.9
ISC Event type se.
IDC Error ellipse: s-maj=107.4km s-min=25.9km az=150.0.
NNC Event type se. Error ellipse: s-maj=49.7km s-min=26.9km az=145.0.
NNC V 24 13 43 35.0–16 36.61N 70.52E 0 3.5b,3.1
¶612039443
NNC Event type se. Error ellipse: s-maj=154.5km s-min=116.6km az=132.0.
ISC V 25 19 55 57.5–.78 36.94N–.07 69.16E–.06 37 3.6b 40 6-86
IDC V 25 19 55 52.0–1.3 36.77N 69.36E 0 3.6b,3.5 **¶610685390**
NNC V 25 19 55 58.8–2.9 36.94N 69.17E 128–62 3.4,3.0b
ISC Event type se.
IDC Error ellipse: s-maj=23.7km s-min=19.0km az=76.0.
NNC Event type se. Error ellipse: s-maj=24.1km s-min=18.2km az=35.0.
ISC V 26 18 31 54.6–.44 36.52N–.05 70.86E–.05 188 3.7b 107 2-84
IDC V 26 18 31 52.4–2.9 36.30N 70.93E 171–25 3.8,3.3b **¶610655118**
NNC V 26 18 31 54.1–5.0 36.97N 70.36E 0 4.3b,4.0
NEIC V 26 18 31 55.8–1.3 36.54N–.07 70.83E–.09 193–5 4.0b,4.0
ISC Event type se.
NNC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 26 19 58 10.3–3.7 36.6N–.20 70.7E–.20 200 14 6-84
IDC V 26 19 57 34.8–6.8 35.72N 67.70E 0 3.6b,3.5 **¶610769328**
NNC V 26 19 58 11.5–10 36.92N 70.43E 0 4.2b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=204.6km s-min=35.2km az=100.0.
NNC Event type se. Error ellipse: s-maj=85.3km s-min=81.3km az=77.0.
ISC V 26 21 20 50.8–1.9 36.6N–.20 70.9E–.20 200 3.3b 13 6-66
IDC V 26 21 20 50.3–5.1 36.33N 71.00E 216–62 3.6,3.0b **¶610685455**
NNC V 26 21 20 55.1–3.4 37.01N 70.96E 0 3.5b,3.1
ISC Event type se.
IDC Error ellipse: s-maj=77.8km s-min=42.9km az=104.0.
NNC Event type se. Error ellipse: s-maj=33.0km s-min=25.6km az=84.0.
ISC V 31 02 26 06.3–3.6 36.4N–.20 70.3E–.10 100 13 6-17
NNC V 31 02 26 07.5–3.0 36.48N 70.43E 122–53 3.6,3.2b **¶610769387**
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=33.8km s-min=22.9km az=130.0.
ISC VI 04 10 46 12.2–.76 36.01N–.08 69.75E–.07 100 3.4b 35 7-85
IDC VI 04 10 46 10.4–3.7 35.78N 69.79E 80–31 3.8,3.3b **¶610791230**
NNC VI 04 10 46 17.6–3.6 36.54N 69.35E 49–87 3.9b,3.6
ISC Event type se.
IDC Error ellipse: s-maj=30.2km s-min=21.5km az=19.0.
NNC Event type se. Error ellipse: s-maj=30.2km s-min=28.2km az=52.0.
ISC VI 06 00 34 10.8–.88 36.44N–.08 70.01E–.09 200 3.4b 40 6-85
IDC VI 06 00 34 10.1–3.0 36.21N 70.34E 216–26 3.8,3.1b **¶610758954**
ISC Event type ke.
IDC Error ellipse: s-maj=25.1km s-min=20.0km az=2.0.
ISC VI 06 15 49 32.6–.91 36.23N–.09 69.40E–.07 100 3.6b 18 7-44
IDC VI 06 15 49 37.7–9.9 36.56N 69.14E 114–36 3.6,3.3b **¶610760921**
ISC Event type ke.
IDC Error ellipse: s-maj=164.3km s-min=23.4km az=165.0.
ISC VI 08 01 28 55.6–2.5 36.7N–.20 69.7E–.10 100 5 6-20
IDC VI 08 01 28 56.3–10 36.32N 69.62E 217–130 3.6,3.4b **¶610791434**
ISC Event type ke.
IDC Error ellipse: s-maj=189.1km s-min=49.4km az=171.0.
IDC VI 08 05 51 20.8–6.7 36.03N 66.36E 0 3.7b,3.6s
¶610791441
IDC Error ellipse: s-maj=203.7km s-min=35.4km az=102.0.
ISC VI 10 16 52 46.3–.72 36.54N–.07 70.60E–.10 200 3.6b 31 3-85
IDC VI 10 16 52 43.8–5.4 36.24N 70.60E 178–49 4.0,3.6s **¶610760933**
NNC VI 10 16 52 48.0–7.7 37.00N 69.18E 0 4.3b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=39.2km s-min=17.0km az=32.0.
NNC Event type se. Error ellipse: s-maj=59.5km s-min=45.0km az=167.0.
ISC VI 10 20 43 32.1–.75 36.46N–.07 70.49E–.06 150 45 2-46
IDC VI 10 20 43 30.4–6.6 36.37N 70.63E 110–52 4.1b,3.8 **¶610791615**
NEIC VI 10 20 43 32.3–1.2 36.46N–.03 70.50E–.09 136–7 4.1b,3.8
NNC VI 10 20 43 38.7–18 37.05N 69.12E 20–403 3.6b,3.5
ISC Event type se.
IDC Error ellipse: s-maj=83.7km s-min=26.0km az=150.0.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=4.4km az=95.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=397.8km s-min=70.3km az=179.0.
ISC VI 11 02 21 39.8–.76 36.71N–.08 70.1E–.10 300 3.3b 27 3-85
IDC VI 11 02 21 37.6–4.2 36.49N 70.12E 288–42 3.8,3.0b **¶610791634**
SOME VI 11 02 21 43.0 38.18N 72.12E 0 3.8,3.0b
ISC Event type ke.
IDC Error ellipse: s-maj=32.3km s-min=19.1km az=22.0.
ISC VI 11 20 30 02.3–2.9 35.2N–.20 69.0E–.20 10 3.4s 5 8-73
IDC VI 11 20 29 40.1–11 32.82N 69.67E 0 3.8b,3.6 **¶610791674**
ISC Event type ke.
IDC Error ellipse: s-maj=196.5km s-min=47.6km az=168.0.
ISC VI 12 10 42 31.8–1.5 36.6N–.10 70.5E–.10 204 3.7b 15 6-85
IDC VI 12 10 42 28.5–7.6 36.35N 70.54E 180–64 3.8,3.2b **¶610791717**
ISC Event type ke.
IDC Error ellipse: s-maj=62.4km s-min=28.3km az=38.0.
NNC VI 14 09 59 35.5–3.9 36.97N 70.83E 115–75 3.8,2.9b
¶612088975
NNC Event type se. Error ellipse: s-maj=56.5km s-min=25.9km az=66.0.
ISC VI 17 03 00 51.8–.51 36.52N–.05 71.00E–.05 150 3.8b 88 3-84
IDC VI 17 03 00 49.8–3.6 36.24N 71.02E 132–32 3.9,3.5b **¶610678734**
BJI VI 17 03 00 50.9–.00 36.37N 71.02E 160 4.7b,4.3b
NNC VI 17 03 00 50.7–3.5 36.77N 70.59E 0 4.4b,4.4
NEIC VI 17 03 00 52.7–1.9 36.52N–.07 70.98E–.06 154–4 4.1b,4.4
ISC Event type se.
NNC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 17 18 57 19.0–1.1 36.40N–.10 70.78E–.10 200 3.2b 25 6-84
IDC VI 17 18 57 17.5–4.3 36.27N 70.90E 190–40 3.7,3.0b **¶610759006**
NNC VI 17 18 57 25.6–6.5 37.14N 69.26E 0 4.3b,4.2
ISC Event type se.
IDC Error ellipse: s-maj=32.6km s-min=22.0km az=40.0.
NNC Event type se. Error ellipse: s-maj=58.9km s-min=45.0km az=139.0.
IDC VI 18 04 35 30.9–21 36.52N 70.51E 228–191 3.4,3.1L
¶610792094
IDC Error ellipse: s-maj=140.4km s-min=38.8km az=42.0.
ISC VI 22 04 49 51.9–.66 36.14N–.07 65.49E–.05 10 3.9b,3.0s 60 3-86
IDC VI 22 04 49 49.3–1.1 35.78N 65.43E 0 4.0,4.0b **¶610759026**
NEIC VI 22 04 49 54.0–.99 36.04N–.08 65.39E–.06 27–6 4.2b,4.0b
NNC VI 22 04 49 56.3–12 36.27N 65.54E 31–179 4.3b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=20.2km s-min=14.4km az=176.0.
NEIC Event type se. Error ellipse: s-maj=11.4km s-min=7.4km az=180.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=129.5km s-min=27.7km az=165.0.
ISC VI 22 13 09 36.8–2.8 36.2N–.30 65.4E–.10 10 12 6-22
IDC VI 22 13 09 36.6–3.9 36.16N 65.44E 0 3.7,3.3b **¶610789274**
ISC Event type ke.
IDC Error ellipse: s-maj=56.6km s-min=20.5km az=169.0.
NNC VI 25 12 45 16.5–10 36.97N 70.80E 70–325 3.8,3.5b
¶612053877
NNC Event type se. Error ellipse: s-maj=92.9km s-min=79.5km az=126.0.
NNC VI 25 21 23 48.5–7.7 36.92N 70.43E 0 4.0b,3.7
¶612053890
NNC Event type se. Error ellipse: s-maj=64.0km s-min=52.5km az=150.0.
ISC VI 25 23 30 39.2–.23 36.43N–.03 70.74E–.02 208–1 5.3b 1959 2-151
BGR VI 25 23 30 38.8 36.32N 71.03E 216–2 5.5b **¶610694749**
MOS VI 25 23 30 38.7–.93 36.43N 70.78E 211 5.3b
BJI VI 25 23 30 39.2–.00 36.52N 70.79E 210 5.3b,4.9b
NEIC VI 25 23 30 40.2–1.4 36.44N–.04 70.67E–.06 207–3 5.4b,5.2
NEIC VI 25 23 30 40.4 36.42N 70.57E 180 5.4b,5.2
IDC VI 25 23 30 40.9–.85 36.43N 70.83E 221–7 5.5,4.9b
NEIC VI 25 23 30 40.4 36.42N 70.70E 180 5.5,4.9b
GCMT VI 25 23 30 41.2–.10 36.40N–.01 70.54E–.01 212–1 5.3W,4.9b
NNC VI 25 23 30 44.2–2.8 36.84N 70.83E 215–24 6.3,5.0b
ISC Event type ke.
BGR Event type ke.
MOS Error ellipse: s-maj=3.9km s-min=2.9km az=106.6.
NEIC Event type se. Error ellipse: s-maj=8.0km s-min=5.5km az=126.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NEIC Event type se. Moment Tensor Solution.Duration: 2±1 Moment tensor: Scale 10^{16}Nm; Mrr6.23 Mθθ-6.07 Mφφ-0.16 Mrθ4.59 Mθφ0.08 Mφr-0.68 NP1:φs95.28000°,δ63.54000°,λ93.97000°. NP2:φs266.44000°,δ26.73000°,λ82.09000°. Principal axes: T 7.8017,Plg71.0000°,Azm14.0000°; N -0.1954,Plg4.0000°,Azm274.0000°; P -7.6063,Plg18.0000°,Azm182.0000° M0 7.70000×10^{16}
IDC Error ellipse: s-maj=6.6km s-min=4.8km az=14.0.
NEIC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s86,c112; s142,c260;Duration: 1±1 Moment tensor: Scale 10^{17}Nm; Mrr0.95±.02 Mθθ-0.85±.02; Mφφ-0.10±.02; Mrθ0.80±.02; Mθφ0.15±.02; Mφr0.14±.02; Best double couple: NP1:φs88.00000°,δ66.00000°,λ81.00000°. NP2:φs290.00000°,δ26.00000°,λ110.00000°. Principal axes: T 1.2770,Plg68.0000°,Azm340.0000°; N -0.1180,Plg9.0000°,Azm92.0000°; P -1.1590,Plg20.0000°,Azm185.0000° M0 1.21800×10^{17}
NNC Event type se. Error ellipse: s-maj=25.4km s-min=18.3km az=14.0.
ISC VI 26 16 44 11.5–.46 36.56N–.04 70.88E–.05 200 4.2b 156 2-84
NEIC VI 26 16 44 12.9–1.6 36.54N–.06 70.84E–.08 220–5 4.2b **¶610695074**
IDC VI 26 16 44 14.0–2.3 36.63N 70.95E 223–22 4.2,3.4b
NNC VI 26 16 44 16.8–1.7 36.96N 70.84E 219–12 4.5,3.3b
SOME VI 26 16 44 19.3 38.45N 72.33E 0 4.5,3.3b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=9.9km s-min=8.7km az=108.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=15.8km s-min=13.6km az=27.0.
NNC Event type se. Error ellipse: s-maj=14.8km s-min=9.1km az=25.0.
ISC VI 27 22 00 15.2–1.1 36.48N–.09 70.84E–.08 150 3.4b 22 6-82
IDC VI 27 22 00 12.9–6.4 36.23N 70.94E 140–57 3.8,3.3b **¶610789600**
NNC VI 27 22 00 17.9–6.0 36.98N 70.42E 0 3.8b,3.3
ISC Event type se.
IDC Error ellipse: s-maj=46.8km s-min=27.6km az=31.0.
NNC Event type se. Error ellipse: s-maj=50.3km s-min=43.8km az=153.0.
ISC VI 28 03 50 41.6–.26 36.52N–.03 70.93E–.03 187–2 5.0b 1160 3-139
MOS VI 28 03 50 40.7–.90 36.52N 71.02E 191 5.2b **¶616640047**
BGR VI 28 03 50 41.3 36.74N 71.56E 201–4 5.3b
BJI VI 28 03 50 41.4–.00 36.57N 71.04E 181 5.0b,4.6b
IDC VI 28 03 50 41.7–.57 36.41N 70.94E 199–4 5.3,4.7b
NEIC VI 28 03 50 42.5–1.1 36.55N–.05 70.93E–.06 189–4 4.9b,4.7b
NNC VI 28 03 50 42.7–1.2 36.77N 70.76E 192–14 6.1,5.0b
GCMT VI 28 03 50 44.5–.30 36.52N–.03 70.81E–.03 194–3 5.0W,5.0b
ISC Event type ke.
BGR Event type ke.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s12,c12; s88,c114;Duration: 0 Moment tensor: Scale 10^{16}Nm; Mrr3.31±.14 Mθθ-2.31±.17; Mφφ-0.99±.16; Mrθ-0.16±.14; Mθφ1.56±.15; Mφr1.52±.12; Best double couple: NP1:φs321.00000°,δ56.00000°,λ110.00000°. NP2:φs108.00000°,δ39.00000°,λ63.00000°. Principal axes: T 3.8100,Plg71.0000°,Azm280.0000°; N -0.3140,Plg17.0000°,Azm129.0000°; P -3.4950,Plg9.0000°,Azm37.0000° M0 3.65300×10^{16}
NNC VI 28 05 01 05.5–4.7 36.97N 70.78E 0 3.7b,3.3
¶612054003
NNC Event type se. Error ellipse: s-maj=46.8km s-min=35.4km az=82.0.
NNC VI 29 03 40 08.8–9.3 36.74N 70.54E 0 3.6b,3.0
¶612054053
NNC Event type se. Error ellipse: s-maj=79.1km s-min=62.1km az=145.0.
NNC VI 29 21 20 12.6–5.8 36.84N 70.62E 0 3.9b,3.8
¶612054088
NNC Event type se. Error ellipse: s-maj=55.9km s-min=42.8km az=127.0.

(719) Tajikistan-Xinjiang border region.

ISC I 03 08 58 21.2–1.8 39.1N–.10 73.89E–.04 8–12 72 2-16
KRNET I 03 08 58 20.9–.10 39.24N 73.97E 3.7b **¶610098365**
SOME I 03 08 58 20.8 39.32N 73.97E 15 3.7b
NNC I 03 08 58 27.4–1.1 39.55N 73.97E 0 4.0b,3.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=8.7km s-min=5.2km az=171.0.
NNC I 05 09 04 49.0–5.8 38.51N 74.14E 0 4.0b,3.5
¶612032708
NNC Event type se. Error ellipse: s-maj=48.3km s-min=18.1km az=135.0.
ISC I 07 04 58 41.7–1.6 39.35N–.05 73.81E–.03 7–11 3.8b 125 1-84
IDC I 07 04 58 37.9–1.1 39.06N 73.97E 0 3.7,3.7b **¶610038910**
KRNET I 07 04 58 40.3–.10 39.35N 73.85E 4.0b,3.7b
SOME I 07 04 58 42.5 39.67N 73.57E 5 4.0b,3.7b
NNC I 07 04 58 46.2–1.9 39.55N 74.08E 0 4.5b,4.3
ISC Event type se.
IDC Error ellipse: s-maj=24.8km s-min=15.5km az=72.0.
NNC Event type se. Error ellipse: s-maj=15.6km s-min=8.7km az=167.0.
ISC I 07 08 36 10.6–1.6 39.40N–.03 73.46E–.02 15–10 4.3b,3.7s 313 1-84
KRNET I 07 08 36 05.8–.10 39.31N 73.47E 4.6b,3.7s **¶610038957**
SOME I 07 08 36 06.2 39.50N 73.28E 5 3.9s,3.7s
NNC I 07 08 36 11.7–1.2 39.56N 73.52E 0 4.7b,4.4
MOS I 07 08 36 12.3–1.1 39.48N 73.42E 40 4.5b,4.4
IDC I 07 08 36 13.2–2.1 39.43N 73.55E 40–18 4.2,4.0b
NEIC I 07 08 36 14.7–2.8 39.49N–.05 73.41E–.08 36–7 4.5b,4.0b
ISC Event type se.
NNC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC I 08 01 22 00.6–2.2 39.42N–.07 73.71E–.04 10–17 63 1-14
KRNET I 08 01 21 58.8–.10 39.50N 73.79E 3.3b **¶610104980**
NNC I 08 01 21 59.6–4.3 39.59N 73.66E 0 3.9b,3.6
SOME I 08 01 21 59.3 39.57N 73.67E 5 3.9b,3.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=34.9km s-min=18.5km az=172.0.
ISC I 08 18 17 22.3–1.3 39.53N–.04 73.70E–.02 5–8 3.7b,3.2s 144 1-84
ISU I 08 18 17 21.0 39.80N 73.95E 30 3.7b,3.2s **¶610105016**
IDC I 08 18 17 21.1–.92 39.28N 73.64E 0 3.7,3.7b
KRNET I 08 18 17 23.6–.10 39.46N 73.46E 3.8b,3.7b
SOME I 08 18 17 24.1 39.47N 73.55E 15 3.8b,3.7b
NNC I 08 18 17 27.0–1.2 39.59N 73.57E 0 4.3b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=17.1km s-min=14.9km az=60.0.
NNC Event type se. Error ellipse: s-maj=9.2km s-min=4.9km az=167.0.
ISC I 09 05 16 00.3–1.7 39.31N–.09 73.92E–.06 10 39 1-5
KRNET I 09 05 15 57.0–.10 39.22N 73.99E 2.9b **¶612032879**
SOME I 09 05 15 59.5 39.65N 73.40E 10 2.9b
NNC I 09 05 16 10.8–1.8 40.32N 73.46E 7–15 3.0b,2.7
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=12.9km s-min=9.0km az=118.0.
ISC I 14 13 04 18.6–.66 38.36N–.06 73.06E–.06 10 3.6b 51 4-84
IDC I 14 13 04 17.1–.99 38.32N 73.06E 0 3.6,3.6b **¶610145065**
SOME I 14 13 04 18.0 38.32N 73.08E 10 3.6,3.6b

NNC I 14 13 04 22.7–2.1 38.56N 72.90E 0 4.2b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=22.1km s-min=18.0km az=11.0.
NNC Event type se. Error ellipse: s-maj=16.4km s-min=10.1km az=174.0.
ISC I 14 16 05 35.0–.65 38.10N–.05 73.32E–.07 10 37 4-80
IDC I 14 16 05 36.3–5.9 37.92N 73.58E 71–32 3.6,3.3b ¶610145067
SOME I 14 16 05 45.1 39.35N 73.02E 15 3.6,3.3b
NNC I 14 16 05 47.6–1.8 38.97N 73.19E 0 4.1b,3.4
ISC Event type se.
IDC Error ellipse: s-maj=72.0km s-min=29.7km az=157.0.
NNC Event type se. Error ellipse: s-maj=14.1km s-min=9.8km az=159.0.
ISC I 16 18 11 29.8–1.8 39.45N–.05 73.36E–.03 2–12 3.6b 90 1-84
IDC I 16 18 11 28.8–1.0 39.39N 73.60E 0 3.6,3.6b ¶610147689
KRNET I 16 18 11 29.5–.10 39.42N 73.45E 3.7b,3.6b
SOME I 16 18 11 29.1 39.60N 73.42E 10 3.7b,3.6b
NNC I 16 18 11 34.0–3.8 39.80N 73.40E 0 3.8b,3.5
ISC Event type se.
IDC Error ellipse: s-maj=18.2km s-min=14.9km az=105.0.
NNC Event type se. Error ellipse: s-maj=30.3km s-min=15.0km az=167.0.
ISC I 17 01 55 40.3–4.9 38.9N–.30 73.9E–.10 10 8 4-5
SOME I 17 01 55 36.5 39.18N 73.08E 10 ¶612033181
NNC I 17 01 55 43.6–7.2 39.18N 74.01E 0 3.5b,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=78.4km s-min=31.0km az=138.0.
ISC I 17 19 34 32.9–1.7 39.61N–.06 73.64E–.04 17–14 55 1-5
SOME I 17 19 34 31.2 39.55N 73.18E 10 ¶612033225
KRNET I 17 19 34 32.1–.10 39.41N 73.61E 3.1b
NNC I 17 19 34 38.6–1.4 39.64N 73.66E 0 3.6b,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=10.0km s-min=7.2km az=159.0.
ISC I 23 17 38 22.4–1.4 39.62N–.04 73.81E–.02 4–8 3.8b 128 1-84
IDC I 23 17 38 20.7–.88 39.22N 73.71E 0 3.8,3.8b ¶610105810
KRNET I 23 17 38 20.8–.10 39.37N 73.57E 4.0b,3.8b
SOME I 23 17 38 21.4 39.52N 73.53E 10 4.0b,3.8b
ISU I 23 17 38 22.1 39.62N 73.84E 8 4.0b,3.8b
NNC I 23 17 38 22.9–1.9 39.63N 73.31E 0 4.3b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=16.1km s-min=14.3km az=167.0.
NNC Event type se. Error ellipse: s-maj=15.1km s-min=8.6km az=172.0.
NNC I 25 21 07 47.4–6.8 38.64N 74.04E 0 4.0b,3.6
¶612033597
NNC Event type se. Error ellipse: s-maj=51.6km s-min=44.3km az=131.0.
ISC I 26 06 01 00.4–.86 39.54N–.06 73.23E–.03 10 3.5b 106 1-78
SOME I 26 06 00 54.5 39.38N 73.38E 10 3.5b ¶610123277
IDC I 26 06 00 56.9–2.6 39.37N 73.63E 0 3.6,3.5b
KRNET I 26 06 00 57.1–.10 39.43N 73.26E 3.6b,3.5b
NNC I 26 06 01 00.7–2.0 39.58N 73.48E 0 4.0b,3.6
ISC Event type se.
IDC Error ellipse: s-maj=52.9km s-min=16.2km az=119.0.
NNC Event type se. Error ellipse: s-maj=15.6km s-min=9.1km az=174.0.
NNC I 26 11 49 02.5–6.0 38.74N 73.87E 0 3.7b,3.3
¶612033629
NNC Event type se. Error ellipse: s-maj=49.9km s-min=31.5km az=167.0.
ISC I 26 17 59 23.0–1.2 39.83N–.05 73.95E–.03 10 86 1-5
SOME I 26 17 59 19.6 39.77N 74.00E 5 ¶610133039
KRNET I 26 17 59 20.2–.10 39.65N 74.02E 3.8b
NNC I 26 17 59 24.9–1.1 39.85N 74.06E 0 4.0b,3.7
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=8.2km s-min=4.0km az=170.0.
ISC I 26 19 55 10.2–1.5 39.75N–.05 73.09E–.03 5–11 84 1-6
KRNET I 26 19 55 07.1–.10 39.41N 73.26E 3.3b ¶610133042
SOME I 26 19 55 10.6 39.75N 73.05E 15 3.3b
NNC I 26 19 55 14.6–1.8 39.74N 73.53E 0 3.7b,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=14.0km s-min=7.6km az=172.0.
ISC I 28 13 02 55.4–.35 38.96N–.03 74.53E–.03 10 4.4b,3.5s 325 1-83
IDC I 28 13 02 52.6–.64 38.91N 74.59E 0 4.2,4.2b ¶611831672
SOME I 28 13 02 53.0 39.13N 74.58E 5 4.2,4.2b
NNC I 28 13 02 56.5–1.1 39.19N 74.60E 0 4.6b,4.3
MOS I 28 13 02 58.2–1.2 39.09N 74.52E 33 4.6b,4.3
NEIC I 28 13 03 00.4–1.5 39.11N–.07 74.54E–.09 47–8 4.4b,4.3
ISC Event type se.
NNC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC I 30 21 16 16.9–2.5 38.63N 73.17E 0 3.8b,3.3
¶612033818
NNC Event type se. Error ellipse: s-maj=18.8km s-min=13.3km az=169.0.
ISC II 01 23 12 25.0–.47 38.31N–.04 73.24E–.05 100 3.4b 110 2-81
IDC II 01 23 12 25.6–2.5 38.42N 73.17E 91–21 3.9,3.4b ¶610414630
NEIC II 01 23 12 28.5–2.7 38.56N–.07 73.13E–.09 116–4 4.1b,3.4b
SOME II 01 23 12 30.4 38.85N 73.15E 15 4.1b,3.4b
NNC II 01 23 12 34.4–7.2 39.16N 73.58E 202–85 3.7,2.9b
ISC Event type se.
IDC Error ellipse: s-maj=20.9km s-min=15.6km az=144.0.
NEIC Event type se. Error ellipse: s-maj=11.0km s-min=9.1km az=121.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=85.6km s-min=40.2km az=178.0.
ISC II 04 02 28 06.4–1.5 39.48N–.07 73.55E–.04 10 40 1-6
KRNET II 04 02 28 07.3–.10 39.35N 73.49E 2.9b ¶612084626
SOME II 04 02 28 08.9 39.53N 73.57E 10 2.9b
NNC II 04 02 28 12.1–2.4 39.62N 73.88E 0 3.5b,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=17.3km s-min=13.1km az=168.0.
ISC II 04 09 40 22.9–1.5 39.45N–.06 73.69E–.04 9–16 66 1-7
KRNET II 04 09 40 25.4–.10 39.40N 73.60E 3.4b ¶612084639
SOME II 04 09 40 25.6 39.53N 73.48E 5 3.4b
NNC II 04 09 40 32.9–1.7 39.77N 73.60E 0 3.9b,3.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=13.9km s-min=10.5km az=152.0.
ISC II 04 22 26 51.0–1.5 39.26N–.04 73.50E–.03 6–9 3.9b 150 1-84
SOME II 04 22 26 48.0 39.43N 73.45E 10 3.9b ¶610197587
IDC II 04 22 26 48.4–.97 39.19N 73.69E 0 3.8b,3.7
ISU II 04 22 26 50.4 39.62N 73.98E 30 3.8b,3.7
KRNET II 04 22 26 50.5–.10 39.36N 73.57E 4.1b,3.7
NEIC II 04 22 26 55–2.8 39.51N–.03 73.52E–.07 10–1 4.2b,3.7
NNC II 04 22 26 56.2–1.3 39.64N 73.70E 0 4.2b,3.9
BJI II 04 22 26 56.4–.00 39.49N 73.66E 48 4.0b,3.7b
ISC Event type se.
IDC Error ellipse: s-maj=17.1km s-min=13.6km az=145.0.
NEIC Event type se. Error ellipse: s-maj=10.1km s-min=3.1km az=68.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=10.1km s-min=6.5km az=173.0.
ISC II 05 10 41 03.6–1.2 39.55N–.05 73.57E–.03 10 95 1-9
SOME II 05 10 41 00.0 39.63N 73.53E 5 ¶616051084
KRNET II 05 10 41 00.6–.10 39.56N 73.60E 3.3b
ISU II 05 10 41 01.8 39.63N 73.57E 3 3.3b
NNC II 05 10 41 05.1–2.0 39.81N 73.67E 0 3.7b,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=15.1km s-min=9.6km az=168.0.
ISC II 05 23 00 56.8–1.1 38.75N–.07 74.42E–.03 10 3.7b 64 2-83
IDC II 05 23 00 56.0–2.4 38.92N 74.40E 0 3.6b,3.5 ¶610414913
SOME II 05 23 00 56.8 39.00N 74.43E 10 3.6b,3.5
KRNET II 05 23 00 58.8–.10 39.04N 74.48E 3.5b,3.5
NNC II 05 23 01 03.4–3.4 39.23N 74.51E 0 3.6b,3.3
ISC Event type se.
IDC Error ellipse: s-maj=54.3km s-min=26.1km az=156.0.
NNC Event type se. Error ellipse: s-maj=25.6km s-min=16.1km az=4.0.
ISC II 06 05 31 03.9–1.8 39.53N–.09 73.49E–.06 10 24 1-5
NNC II 06 05 30 33.7–8.7 38.17N 75.62E 0 3.4b,3.0 ¶612114718
SOME II 06 05 31 03.4 39.57N 73.18E 0 3.4b,3.0
KRNET II 06 05 31 03.9–.10 39.46N 73.52E 2.7b,3.0
ISC Event type ke.
NNC Event type se. Error ellipse: s-maj=92.5km s-min=64.2km az=96.0.
ISC II 06 07 44 37.3–.51 38.28N–.05 73.44E–.04 100 4.1b 146 2-80
SOME II 06 07 44 37.4 39.10N 72.87E 0 4.1b ¶610197958
MOS II 06 07 44 39.1–.86 38.42N 73.31E 122 4.3b
NEIC II 06 07 44 41.5–1.9 38.45N–.05 73.24E–.07 132–6 4.2b
IDC II 06 07 44 43.8–4.0 38.56N 73.34E 146–27 4.0,3.4b
NNC II 06 07 44 49.0–1.9 39.91N 73.23E 0 4.3b,3.8
ISC Event type se.
MOS Error ellipse: s-maj=8.4km s-min=4.6km az=88.7.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=5.0km az=130.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=37.9km s-min=16.4km az=165.0.
NNC Event type se. Error ellipse: s-maj=28.7km s-min=15.4km az=40.0.
ISC II 09 19 06 51.6–1.1 38.11N–.09 74.1E–.10 150 3.8b 26 4-41
IDC II 09 19 06 53.1–8.0 38.22N 74.06E 143–53 3.5s,3.5 ¶610246616
NNC II 09 19 06 55.6–11 38.66N 73.76E 0 3.6b,3.2
ISC Event type se.
IDC Error ellipse: s-maj=69.6km s-min=30.9km az=16.0.
NNC Event type se. Error ellipse: s-maj=103.1km s-min=62.3km az=158.0.
ISC II 09 20 23 22.8–.92 38.14N–.08 74.0E–.10 150 31 4-79
IDC II 09 20 23 23.3–5.8 38.15N 74.12E 154–43 3.6,3.1b ¶610246614
NNC II 09 20 23 29.6–3.7 38.61N 73.90E 174–57 3.2,2.3b
ISC Event type se.
IDC Error ellipse: s-maj=61.5km s-min=34.7km az=144.0.
NNC Event type se. Error ellipse: s-maj=46.7km s-min=24.6km az=170.0.
ISC II 10 02 27 38.0–2.9 39.26N–.06 73.97E–.04 10–20 87 2-68
IDC II 10 02 27 32.6–2.4 38.94N 74.24E 0 3.8s,3.6 ¶610207706
SOME II 10 02 27 33.8 39.27N 74.02E 10 3.8s,3.6
KRNET II 10 02 27 35.7–.10 39.29N 74.00E 4.0b,3.6
NNC II 10 02 27 40.2–2.0 39.46N 74.04E 0 4.3b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=45.3km s-min=20.9km az=122.0.
NNC Event type se. Error ellipse: s-maj=23.3km s-min=11.2km az=124.0.
KRNET II 16 01 30 15.7–.10 39.96N 73.96E 35 2.2b
¶612114772
ISC II 17 10 38 35.9–1.9 38.99N–.06 74.42E–.04 24–13 3.7b 94 2-84
IDC II 17 10 38 32.4–.95 39.05N 74.76E 0 3.7,3.7b ¶610224167
SOME II 17 10 38 35.5 39.33N 74.52E 10 3.7,3.7b
NNC II 17 10 38 36.4–2.1 39.29N 74.57E 0 4.1b,3.8
KRNET II 17 10 38 38.1–.10 39.06N 74.30E 4.0b,3.8
ISC Event type se.
IDC Error ellipse: s-maj=20.4km s-min=13.9km az=84.0.
NNC Event type se. Error ellipse: s-maj=16.8km s-min=12.7km az=160.0.
ISC II 20 01 29 44.9–1.0 39.74N–.05 73.43E–.03 10 66 1-6
KRNET II 20 01 29 42.7–.10 39.44N 73.49E 3.4b ¶610231655
NNC II 20 01 29 47.1–1.9 39.58N 73.39E 0 3.7b,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=14.8km s-min=9.1km az=173.0.
ISC II 21 14 11 52.8–1.1 39.43N–.05 73.66E–.03 10 78 1-6
SOME II 21 14 11 53.0 39.40N 73.50E 10 ¶612085759
KRNET II 21 14 11 55.5–.10 39.41N 73.37E 3.2b
NNC II 21 14 11 57.3–2.4 39.61N 73.43E 0 3.5b,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=17.8km s-min=11.0km az=172.0.
ISC II 26 04 35 46.8–2.6 38.8N–.10 73.29E–.07 10 23 3-14
SOME II 26 04 35 44.3 38.45N 73.35E 15 ¶612086082
NNC II 26 04 35 51.8–4.3 38.66N 73.19E 0 3.5b,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=42.8km s-min=18.3km az=146.0.
ISC III 02 10 13 41.2–1.1 39.39N–.06 73.12E–.03 10 92 1-6
KRNET III 02 10 13 38.1–.10 39.37N 73.17E 16 3.7b ¶610243239
SOME III 02 10 13 38.6 39.55N 73.30E 0 3.7b
NNC III 02 10 13 42.6–1.4 39.56N 73.36E 0 3.9b,3.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=11.9km s-min=6.3km az=169.0.
ISC III 02 14 01 01.2–1.3 39.26N–.04 73.25E–.03 4–8 3.9b 190 1-84
IDC III 02 14 00 59.5–.84 39.18N 73.43E 0 3.8b,3.7 ¶610243914
MOS III 02 14 01 00.2–1.2 39.17N 73.33E 10 4.1b,3.7
SOME III 02 14 01 02.5 39.48N 73.38E 5 4.1b,3.7
KRNET III 02 14 01 03.2–.10 39.40N 73.18E 4.0b,3.7
NNC III 02 14 01 05.7–2.3 39.48N 73.60E 0 4.0b,3.7
ISC Event type se.
IDC Error ellipse: s-maj=15.5km s-min=14.3km az=126.0.
MOS Error ellipse: s-maj=8.8km s-min=4.5km az=88.6.
NNC Event type se. Error ellipse: s-maj=15.4km s-min=5.1km az=1.0.
ISC III 02 16 29 24.4–1.6 39.22N–.05 73.60E–.03 1–9 3.7b 99 1-84
KRNET III 02 16 29 23.0–.10 39.16N 73.64E 3.9b ¶610243920
IDC III 02 16 29 23.8–.98 38.95N 73.44E 0 3.7,3.7b
SOME III 02 16 29 26.6 39.27N 73.47E 10 3.7,3.7b
NNC III 02 16 29 28.5–2.4 39.22N 73.38E 0 3.9b,3.4
ISC Event type se.
IDC Error ellipse: s-maj=16.4km s-min=15.0km az=130.0.
NNC Event type se. Error ellipse: s-maj=19.7km s-min=17.0km az=175.0.
ISC III 04 12 31 23.2–.79 39.43N–.05 73.65E–.04 10 3.6b 66 1-84
SOME III 04 12 31 14.8 39.15N 73.77E 10 3.6b ¶610470912
NNC III 04 12 31 18.0–2.6 39.30N 74.10E 0 3.8b,3.5
IDC III 04 12 31 22.0–1.1 39.24N 73.62E 0 3.6,3.6b
KRNET III 04 12 31 23.5–.10 39.36N 73.38E 3.4b,3.6b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=20.0km s-min=14.1km az=157.0.
IDC Error ellipse: s-maj=23.2km s-min=17.5km az=88.0.
ISC III 07 09 49 40.8–.37 38.19N–.03 73.25E–.04 100 4.2b 230 2-87
MOS III 07 09 49 42.8–1.2 38.34N 73.25E 124 4.2b ¶610271538
SOME III 07 09 49 42.6 39.30N 73.17E 15 4.2b
IDC III 07 09 49 43.2–2.0 38.36N 73.25E 116–16 4.2,3.7b
BJI III 07 09 49 44.0–.00 38.49N 73.29E 136 4.4b,4.3b
NNC III 07 09 49 44.2–2.7 38.69N 73.04E 0 4.8b,4.3
NEIC III 07 09 49 44.2–2.2 38.32N–.07 73.14E–.09 129–8 4.3b,4.3
ISC Event type se.
NNC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 07 12 03 33.1–.82 38.41N–.06 73.24E–.06 103 3.7b 35 4-68
IDC III 07 12 03 29.5–4.3 38.23N 73.35E 80–34 3.9s,3.8 ¶610545735
SOME III 07 12 03 32.9 39.25N 72.83E 0 3.9s,3.8
NNC III 07 12 03 33.9–3.5 38.73N 73.24E 0 4.2b,3.7
ISC Event type se.
IDC Error ellipse: s-maj=44.5km s-min=21.9km az=160.0.
NNC Event type se. Error ellipse: s-maj=26.4km s-min=18.9km az=178.0.
ISC III 14 02 18 40.5–4.4 38.7N–.20 73.9E–.10 10 9 3-5
SOME III 14 02 18 35.5 39.23N 73.80E 15 ¶612669866
ISC Event type ke.
ISC III 14 11 07 11.0–.35 39.12N–.02 73.42E–.02 15–1 5.0b,4.3s 1107 1-168
IDC III 14 11 07 08.4–.42 39.17N 73.48E 0 4.8,4.8b ¶610328153
MOS III 14 11 07 08.6–1.0 39.04N 73.47E 10 5.2b,4.3s
BJI III 14 11 07 10.7–.00 39.19N 73.51E 12 5.1L,5.0b
KRNET III 14 11 07 10.8–.10 39.31N 73.39E 5.5b,5.0b
BGR III 14 11 07 10.5 39.06N 74.04E 33 4.8b,4.5s
NNC III 14 11 07 13.2–1.6 39.32N 73.69E 0 5.6b,5.2
GCMT III 14 11 07 14.3–.20 39.28N–.01 73.47E–.02 17–1 5.0W,5.2
NEIC III 14 11 07 15.3–1.2 39.25N–.06 73.47E–.06 41–4 5.0b,5.2
ISC Event type se.
MOS Event type fe. Felt (IV-V) at Bordobo, (III-IV) at Nura, Sary-Tash. Moment Tensor Solution.
BGR Event type ke.
NNC Event type se.

GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s37,c42; s98,c143;Duration: 0
Moment tensor: Scale 10^{16}Nm; M_{rr}-0.61±.13 $M_{\theta\theta}$-1.59±.13; $M_{\phi\phi}$2.21±.12; $M_{r\theta}$-1.33±.33; $M_{\theta\phi}$-3.34±.10; $M_{\phi r}$0.13±.28; Best double couple: NP1:ϕ_s106.00000°,δ84.00000°,λ-160.00000°. NP2:ϕ_s14.00000°,δ70.00000°,λ-7.00000°. Principal axes: T 4.2820,Plg9.0000° ,Azm239.0000°; N -0.3790,Plg69.0000°,Azm123.0000°; P -3.8980,Plg19.0000° ,Azm332.0000° $M_0$4.09000×10^{16}
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 14 12 01 55.0–1.3 39.40N–.06 73.22E–.04 10 58 1-14
SOME III 14 12 01 49.1 39.38N 73.10E 10 **¶612087202**
KRNET III 14 12 01 52.0–.10 39.35N 73.33E 3.0b
NNC III 14 12 01 52.5–2.8 39.24N 73.71E 0 3.5b,3.1
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=20.6km s-min=14.7km az=166.0.
ISC III 14 12 59 31.5–1.3 39.15N–.03 73.29E–.02 10–8 4.4b 224 1-152
IDC III 14 12 59 29.2–.93 39.16N 73.48E 0 3.8,3.8b **¶612087204**
KRNET III 14 12 59 30.9–.10 39.28N 73.41E 4.1b,3.8b
SOME III 14 12 59 31.3 39.40N 73.40E 5 4.1b,3.8b
MOS III 14 12 59 35.9–.78 39.32N 73.40E 55 4.0b,3.8b
NEIC III 14 12 59 37.1–1.9 39.30N–.07 73.36E–.09 48–2 4.6b,3.8b
NNC III 14 12 59 37.4–1.5 39.59N 73.35E 0 4.1b,3.7
ISC Event type se.
IDC Error ellipse: s-maj=16.5km s-min=14.1km az=116.0.
MOS Error ellipse: s-maj=8.0km s-min=4.4km az=82.8.
NEIC Event type se. Error ellipse: s-maj=10.3km s-min=8.9km az=130.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=12.3km s-min=6.3km az=178.0.
ISC III 14 18 55 20.3–1.2 39.42N–.06 73.48E–.03 10 66 1-6
KRNET III 14 18 55 19.9–.10 39.34N 73.49E 3.4b **¶610472779**
SOME III 14 18 55 19.9 39.47N 73.03E 5 3.4b
NNC III 14 18 55 22.3–1.8 39.27N 73.71E 0 3.6b,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=13.3km s-min=9.8km az=167.0.
ISC III 16 21 27 13.7–.82 38.06N–.07 74.09E–.08 152 33 4-68
IDC III 16 21 27 15.0–6.2 38.17N 73.97E 148–49 3.6,3.4b **¶610472830**
SOME III 16 21 27 15.4 39.08N 73.55E 15 3.6,3.4b
NNC III 16 21 27 18.9–6.3 38.43N 73.89E 170–184 3.2,2.2b
ISC Event type se.
IDC Error ellipse: s-maj=72.8km s-min=29.5km az=145.0.
NNC Event type se. Error ellipse: s-maj=101.8km s-min=39.4km az=3.0.
ISC III 17 11 36 20.0–.40 38.51N–.04 73.24E–.04 103 4.1b 168 1-82
BJI III 17 11 36 18.6–.00 38.55N 73.18E 107 4.7b,4.4b **¶610339908**
MOS III 17 11 36 19.5–1.2 38.61N 73.23E 96 4.1b,4.4b
IDC III 17 11 36 19.9–2.9 38.52N 73.27E 94–23 4.1,3.7b
SOME III 17 11 36 19.4 39.42N 72.87E 0 4.1,3.7b
NEIC III 17 11 36 20.4–2.9 38.63N–.05 73.15E–.07 119–7 4.3b,3.7b
NNC III 17 11 36 20.2–3.9 38.89N 72.97E 0 4.6b,4.2
ISC Event type se.
MOS Error ellipse: s-maj=7.1km s-min=4.4km az=91.7.
IDC Error ellipse: s-maj=24.2km s-min=14.3km az=163.0.
NEIC Event type se. Error ellipse: s-maj=8.1km s-min=7.2km az=121.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=30.2km s-min=23.6km az=175.0.
ISC III 18 07 20 31.5–1.3 39.62N–.06 73.04E–.03 10 49 1-5
KRNET III 18 07 20 29.9–.10 39.42N 73.06E 3.2b **¶612087454**
SOME III 18 07 20 31.2 39.77N 72.37E 15 3.2b
ISU III 18 07 20 31.4 39.65N 73.17E 18 3.2b
NNC III 18 07 20 34.8–2.8 39.81N 72.59E 0 3.6b,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=22.6km s-min=11.0km az=169.0.
ISC III 18 10 44 08.1–2.1 39.40N–.08 73.39E–.04 4–13 46 1-6
KRNET III 18 10 44 05.7–.10 39.27N 73.51E 3.2b **¶612087473**
SOME III 18 10 44 08.1 39.50N 73.45E 15 3.2b
NNC III 18 10 44 10.9–2.6 39.55N 73.72E 0 3.5b,3.1
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=18.7km s-min=9.5km az=172.0.
ISC III 23 22 58 07.5–.47 38.02N–.04 73.02E–.05 10 3.8b,3.1s 97 2-81
IDC III 23 22 58 06.6–.92 38.19N 73.58E 0 3.7,3.6b **¶610434476**
BJI III 23 22 58 11.0–.00 38.43N 73.06E 48 4.5b,4.0b
NNC III 23 22 58 12.2–1.2 38.52N 73.12E 0 4.2b,3.9
NEIC III 23 22 58 13.6–2.5 38.31N–.06 72.99E–.09 67–16 4.1b,3.9
ISC Event type se.
NNC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC III 24 05 57 08.4–1.3 39.51N–.05 73.57E–.03 10 62 1-6
SOME III 24 05 57 06.1 39.52N 73.08E 0 **¶610472929**
KRNET III 24 05 57 08.1–.10 39.28N 73.60E 3.4b
NNC III 24 05 57 11.3–2.6 39.44N 73.59E 0 4.0b,3.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=19.4km s-min=9.9km az=177.0.
ISC III 25 12 24 35.1–1.7 39.37N–.06 73.99E–.05 6–10 37 1-6
SOME III 25 12 24 28.1 39.22N 73.75E 10 **¶612087966**
KRNET III 25 12 24 32.3–.10 39.12N 74.09E 3.5b
NNC III 25 12 24 35.4–3.6 39.39N 74.21E 0 3.7b,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=26.4km s-min=13.4km az=175.0.
ISC III 27 17 43 30.3–.61 38.39N–.05 73.03E–.05 10 3.8b 56 1-79
NNC III 27 17 43 31.2–1.2 38.49N 72.99E 0 4.1b,3.7 **¶610436995**
NEIC III 27 17 43 32.2–.98 38.21N–.06 72.79E–.09 35–2 4.1b,3.7
IDC III 27 17 43 42.5–4.1 38.92N 73.03E 78–32 3.6,3.4b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=9.4km s-min=6.2km az=172.0.
NEIC Event type se. Error ellipse: s-maj=13.9km s-min=6.3km az=304.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=33.8km s-min=23.3km az=40.0.
ISC IV 03 17 22 33.8–1.7 39.37N–.05 73.37E–.03 1–13 101 1-6
KRNET IV 03 17 22 32.6–.10 39.30N 73.46E 3.6b **¶610476782**
SOME IV 03 17 22 34.1 39.63N 73.48E 10 3.6b
NNC IV 03 17 22 35.7–1.7 39.53N 73.71E 0 3.8b,3.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=12.9km s-min=7.4km az=173.0.
ISC IV 05 01 41 24.0–1.3 38.04N–.10 74.1E–.10 150 18 4-15
NNC IV 05 01 41 30.5–2.1 38.53N 73.90E 184–31 3.2,2.3b **¶610639832**
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=25.8km s-min=12.3km az=4.0.
ISC IV 05 04 50 18.5–.58 38.24N–.05 73.99E–.06 150 3.8b 65 2-79
IDC IV 05 04 50 16.4–3.9 38.09N 74.07E 129–27 3.9,3.4b **¶610639833**
NEIC IV 05 04 50 20.4–2.0 38.36N–.06 73.97E–.07 152–6 4.5b,3.4b
NNC IV 05 04 50 23.0–3.2 38.56N 73.93E 167–34 3.7,3.1b
ISC Event type se.
IDC Error ellipse: s-maj=35.3km s-min=20.0km az=156.0.
NEIC Event type se. Error ellipse: s-maj=9.2km s-min=7.3km az=200.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=32.4km s-min=18.6km az=10.0.
ISC IV 05 08 05 01.1–2.5 39.40N–.06 73.39E–.04 2–17 47 1-6
SOME IV 05 08 04 55.9 39.38N 73.27E 5 **¶612037113**
NNC IV 05 08 04 57.9–1.3 39.45N 73.26E 0 3.8b,3.4
KRNET IV 05 08 04 59.4–.10 39.31N 73.49E 3.2b,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=9.3km s-min=5.5km az=173.0.
ISC IV 05 16 09 03.6–1.1 39.67N–.05 73.21E–.03 10 76 1-15
SOME IV 05 16 08 59.3 39.52N 73.40E 0 **¶610502382**
KRNET IV 05 16 09 02.0–.10 39.57N 73.23E 3.8b
NNC IV 05 16 09 04.3–1.2 39.63N 73.42E 0 4.0b,3.8
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=9.4km s-min=5.4km az=177.0.
ISC IV 06 00 11 41.6–1.4 39.51N–.04 73.69E–.03 9–9 3.6b 119 1-78
IDC IV 06 00 11 38.0–1.3 39.10N 73.90E 0 3.7,3.6b **¶610505790**
KRNET IV 06 00 11 42.3–.10 39.49N 73.65E 4.3b,3.6b
SOME IV 06 00 11 43.0 39.58N 73.67E 15 4.3b,3.6b
NNC IV 06 00 11 51.2–1.9 39.91N 73.42E 0 4.3b,4.0
ISC Event type se.
IDC Error ellipse: s-maj=24.4km s-min=13.8km az=138.0.
NNC Event type se. Error ellipse: s-maj=15.3km s-min=7.1km az=173.0.
ISC IV 06 21 03 51.2–.60 38.18N–.05 73.63E–.07 150 3.4b 40 4-79
IDC IV 06 21 03 50.3–2.7 38.09N 73.77E 143–21 3.8,3.3b **¶610652106**
SOME IV 06 21 03 52.8 39.15N 73.35E 15 3.8,3.3b
NNC IV 06 21 03 54.8–2.7 38.42N 73.63E 166–36 3.2,2.5b
ISC Event type se.
IDC Error ellipse: s-maj=27.3km s-min=16.6km az=138.0.
NNC Event type se. Error ellipse: s-maj=29.3km s-min=18.5km az=178.0.
ISC IV 07 03 21 30.2–3.7 38.7N–.20 73.9E–.10 10 16 3-5
NNC IV 07 03 21 26.1–5.6 38.53N 73.84E 0 3.6b,3.3 **¶612037190**
SOME IV 07 03 21 29.1 38.68N 73.90E 15 3.6b,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=42.8km s-min=34.6km az=152.0.
ISC IV 14 19 06 59.7–.57 39.19N–.04 73.40E–.03 10 3.8b 131 1-82
SOME IV 14 19 06 58.9 39.53N 73.32E 10 3.8b **¶610528185**
IDC IV 14 19 06 59.3–1.2 39.29N 73.52E 0 3.8,3.8b
KRNET IV 14 19 06 59.3–.10 39.32N 73.26E 4.0b,3.8b
NNC IV 14 19 07 04.5–2.8 39.67N 73.43E 0 4.0b,3.7
ISC Event type se.
IDC Error ellipse: s-maj=22.9km s-min=14.5km az=148.0.
NNC Event type se. Error ellipse: s-maj=21.5km s-min=12.3km az=177.0.
ISC IV 15 09 00 30.1–1.5 39.29N–.05 73.53E–.03 5–13 91 1-6
SOME IV 15 09 00 34.8 39.35N 73.52E 15 **¶610528576**
KRNET IV 15 09 00 34.7–.10 39.26N 73.32E 3.7b
NNC IV 15 09 00 39.9–2.0 39.53N 73.65E 0 3.9b,3.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=14.7km s-min=8.1km az=175.0.
ISC IV 15 22 38 53.4–1.0 39.63N–.05 73.38E–.03 10 97 1-6
SOME IV 15 22 38 50.7 39.52N 73.58E 10 **¶610528523**
KRNET IV 15 22 38 51.2–.10 39.52N 73.45E 3.6b
NNC IV 15 22 38 53.9–.88 39.61N 73.57E 0 3.8b,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=7.0km s-min=4.5km az=169.0.
ISC IV 17 14 50 38.3–1.5 39.48N–.05 73.45E–.03 1–12 77 1-14
SOME IV 17 14 50 41.4 39.62N 73.30E 0 **¶610639048**
KRNET IV 17 14 50 43.7–.10 39.35N 73.39E 3.4b
NNC IV 17 14 50 46.0–1.9 39.65N 73.46E 0 3.7b,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=14.6km s-min=8.9km az=169.0.
ISC IV 25 14 33 46.6–.40 37.43N–.04 75.55E–.05 100 4.2b 180 2-95
BJI IV 25 14 33 44.5–.00 37.24N 75.55E 80 4.3b,4.2b **¶610554313**
NEIC IV 25 14 33 46.7–1.3 37.44N–.08 75.5E–.10 96–8 4.3b,4.2b
IDC IV 25 14 33 47.4–.79 37.45N 75.60E 96–6 4.1,3.8b
NNC IV 25 14 33 50.6–1.7 37.72N 75.43E 136–17 4.0,3.5b
ISC Event type se.
NEIC Event type se. Error ellipse: s-maj=12.7km s-min=11.3km az=131.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
IDC Error ellipse: s-maj=13.6km s-min=11.7km az=44.0.
NNC Event type se. Error ellipse: s-maj=15.9km s-min=9.5km az=8.0.
NNC V 01 18 06 14.0–7.7 37.99N 75.10E 0 3.5b,3.1
¶610769117
NNC Event type se. Error ellipse: s-maj=79.7km s-min=60.9km az=45.0.
ISC V 02 12 32 09.7–1.2 38.3N–.10 74.2E–.20 10 14 4-15
SOME V 02 12 32 11.1 38.70N 71.97E 0 **¶612038391**
NNC V 02 12 32 15.9–1.9 38.09N 72.07E 0 3.8b,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=17.6km s-min=13.8km az=122.0.
NNC V 02 15 50 15.4–1.7 39.71N 73.28E 0 2.8b,2.6
KRNET V 02 15 50 09.4–.10 39.44N 73.61E 2.8b,2.6 **¶612038396**
SOME V 02 15 50 12.8 39.75N 73.02E 5 2.8b,2.6
NNC Event type se. Error ellipse: s-maj=61.6km s-min=11.6km az=117.0.
ISC V 10 21 58 21.8–.30 37.60N–.02 75.23E–.02 10–1 5.3b,5.1s 1748 3-153
BGR V 10 21 58 13.8 36.13N 76.53E 33 5.4b,5.0s **¶610623477**
BJI V 10 21 58 19.7–.00 37.60N 75.30E 8 5.6b,5.5L
IDC V 10 21 58 19.6–.35 37.49N 75.34E 0 5.1,5.1b
NEIC V 10 21 58 21.7–1.9 37.64N–.06 75.31E–.07 8–3 5.4,5.4
GCMT V 10 21 58 21.6–.10 37.73N–.01 75.40E–.01 12 5.5W,5.4
MOS V 10 21 58 21.2–1.1 37.51N 75.37E 20 5.5b,5.1s
NEIC V 10 21 58 22.4 37.63N 75.30E 11 5.5b,5.1s
NEIC V 10 21 58 22.4 37.53N 75.43E 12 5.5b,5.1s
NEIC V 10 21 58 22.4 37.63N 75.30E 12 5.5b,5.1s
SOME V 10 21 58 23.8 37.78N 75.57E 10 5.5b,5.1s
NNC V 10 21 58 25.4–1.4 37.79N 75.40E 0 5.7b,5.4
ISC Event type ke.
BGR Event type ke.
IDC Error ellipse: s-maj=9.4km s-min=8.1km az=175.0.
NEIC Event type se. Error ellipse: s-maj=8.8km s-min=8.0km az=126.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{17}Nm; M_{rr}-1.17 $M_{\theta\theta}$0.07 $M_{\phi\phi}$1.10 $M_{r\theta}$0.60 $M_{\theta\phi}$-0.48 $M_{\phi r}$-0.44 NP1:ϕ_s322.55000°,δ60.71000°,λ-107.16000°. NP2:ϕ_s174.80000°,δ33.56000° ,λ-62.26000°. Principal axes: T 1.4429,Plg14.0000°,Azm65.0000°; N -0.0113,Plg15.0000° ,Azm331.0000°; P -1.4316,Plg69.0000°,Azm196.0000° $M_0$1.44000×10^{17}
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s122,c205; s142,c297;Duration: 1ș3
Moment tensor: Scale 10^{17}Nm; M_{rr}-1.49±.02 $M_{\theta\theta}$-0.17±.03; $M_{\phi\phi}$1.65±.02; $M_{r\theta}$1.06±.06; $M_{\theta\phi}$-0.79±.02; $M_{\phi r}$-0.55±.05; Best double couple: NP1:ϕ_s316.00000°,δ64.00000° ,λ-117.00000°. NP2:ϕ_s184.00000°,δ37.00000°,λ-48.00000°. Principal axes: T 2.1710,Plg14.0000°,Azm65.0000°; N -0.0960,Plg24.0000°,Azm328.0000° ; P -2.0810,Plg62.0000°,Azm183.0000° $M_0$2.12600×10^{17}
MOS Error ellipse: s-maj=4.1km s-min=2.6km az=107.0.
NEIC Event type se.
NEIC Event type se. Moment Tensor Solution.Duration: 2ș5 Moment tensor: Scale 10^{17}Nm; M_{rr}-1.59 $M_{\theta\theta}$0.23 $M_{\phi\phi}$1.37 $M_{r\theta}$0.47 $M_{\theta\phi}$-0.39 $M_{\phi r}$-0.77 NP1:ϕ_s335.83000°,δ60.11000° ,λ-96.51000°. NP2:ϕ_s168.73000°,δ30.52000°,λ-78.84000°. Principal axes: T 1.7206,Plg15.0000°,Azm71.0000°; N 0.1263,Plg6.0000°,Azm339.0000° ; P -1.8469,Plg74.0000°,Azm229.0000° $M_0$1.78000×10^{17}
NEIC Event type se.
NNC Event type se. Error ellipse: s-maj=11.3km s-min=8.2km az=164.0.
ISC V 10 22 00 57.4–.34 37.51N–.06 75.31E–.04 10 4.8b 145 2-146
IDC V 10 22 00 55.2–.63 37.43N 75.25E 0 4.7,4.7b **¶610623478**
BJI V 10 22 00 55.6–.00 37.62N 75.26E 5 5.0b,4.9L
MOS V 10 22 00 56.5–.90 37.54N 75.37E 14 5.0b,4.9L
NEIC V 10 22 00 58.3–2.6 37.59N–.05 75.42E–.08 10–1 5.0b,4.9L
ISC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 10 22 29 39.7–.89 37.42N–.07 75.0E–.10 10 3.7b 21 5-80
IDC V 10 22 29 36.9–1.6 37.52N 75.16E 0 3.7b,3.5 **¶610689997**
NNC V 10 22 29 40.5–3.3 37.57N 75.09E 0 3.4b,3.0
ISC Event type se.
IDC Error ellipse: s-maj=34.1km s-min=20.9km az=128.0.
NNC Event type se. Error ellipse: s-maj=27.4km s-min=22.9km az=93.0.
ISC V 10 23 02 18.4–1.5 37.4N–.10 75.43E–.09 10 3.5b 21 5-80
SOME V 10 23 02 15.9 37.68N 75.67E 10 3.5b **¶610689998**
IDC V 10 23 02 17.4–2.3 37.55N 74.95E 0 3.5b,3.4
NNC V 10 23 02 25.1–2.4 37.99N 75.35E 0 3.5b,3.1
ISC Event type se.
IDC Error ellipse: s-maj=58.3km s-min=27.6km az=154.0.
NNC Event type se. Error ellipse: s-maj=18.8km s-min=16.4km az=147.0.
ISC V 10 23 53 33.1–1.2 37.55N–.09 75.3E–.10 10 3.8b 28 5-80
SOME V 10 23 53 27.6 37.60N 75.68E 10 3.8b **¶610690006**

IDC V 10 23 53 31.3–1.1 37.61N 75.04E 0 4.7s,3.8b
NNC V 10 23 53 35.5–4.3 37.74N 75.37E 0 3.9b,3.5
ISC Event type se.
IDC Error ellipse: s-maj=22.9km s-min=18.9km az=107.0.
NNC Event type se. Error ellipse: s-maj=35.7km s-min=26.3km az=129.0.
ISC V 11 04 03 41.5–.28 37.54N–.03 75.32E–.03 10 4.7b,3.5s 335 2-150
IDC V 11 04 03 39.5–.50 37.48N 75.32E 0 4.4,4.4b **¶611833862**
SOME V 11 04 03 40.4 37.77N 75.20E 10 4.4,4.4b
MOS V 11 04 03 40.0–1.0 37.55N 75.35E 11 4.7b,4.4b
BJI V 11 04 03 40.7–.00 37.59N 75.30E 14 4.6L,4.5b
NEIC V 11 04 03 41.9–1.7 37.60N–.06 75.35E–.04 10–1 4.8b,4.5b
NNC V 11 04 03 44.1–1.6 37.78N 75.34E 0 4.9b,4.7
DMN V 11 04 05 12.8–9.9 32.45N 81.12E 10 5.2b,4.7
ISC Event type se.
IDC Error ellipse: s-maj=11.9km s-min=9.7km az=44.0.
MOS Error ellipse: s-maj=6.8km s-min=4.5km az=101.3.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=5.6km az=358.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=12.5km s-min=8.6km az=162.0.
DMN Error ellipse: s-maj=224.3km s-min=15.4km az=147.0.
ISC V 11 13 35 35.8–1.1 37.72N–.10 74.75E–.10 10 3.6b 37 4-83
SOME V 11 13 35 26.7 37.88N 74.07E 15 3.6b **¶610690050**
NNC V 11 13 35 29.2–2.3 37.96N 73.99E 0 4.2b,3.8
IDC V 11 13 35 33.0–1.1 37.40N 75.00E 0 3.6,3.6b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=16.3km s-min=11.1km az=169.0.
IDC Error ellipse: s-maj=27.5km s-min=17.3km az=80.0.
NNC V 11 18 04 12.8–3.2 38.52N 73.74E 166–68 3.4,2.5b
¶612038884
NNC Event type se. Error ellipse: s-maj=41.6km s-min=20.9km az=6.0.
ISC V 13 07 59 14.3–1.6 37.3N–.10 74.9E–.10 10 3.5b 13 5-80
IDC V 13 07 59 13.1–1.9 37.48N 74.94E 0 3.5b,3.4 **¶610690181**
NNC V 13 07 59 18.4–5.6 37.69N 75.00E 0 3.2b,2.8
SOME V 13 07 59 46.1 39.12N 73.57E 5 3.2b,2.8
ISC Event type se.
IDC Error ellipse: s-maj=41.0km s-min=28.3km az=143.0.
NNC Event type se. Error ellipse: s-maj=49.8km s-min=44.6km az=38.0.
KRNET V 15 00 27 06.9–.10 39.40N 73.67E 2.6b
¶612039028
ISC V 15 22 04 16.0–1.9 39.40N–.07 73.73E–.05 9–14 29 1-5
KRNET V 15 22 04 10.9–.10 39.04N 74.49E 3.0b **¶617229482**
SOME V 15 22 04 16.3 39.52N 73.47E 0 3.0b
NNC V 15 22 04 16.1–2.0 39.44N 73.58E 0 3.3b,3.1
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=15.4km s-min=10.6km az=172.0.
ISC V 17 15 27 55.6–.32 38.18N–.03 73.14E–.03 130–2 4.4b 643 2-99
SOME V 17 15 27 53.3 39.00N 72.50E 10 4.4b **¶615317836**
MOS V 17 15 27 54.7–.96 38.23N 73.20E 129 4.6b
BJI V 17 15 27 54.6–.00 38.27N 73.18E 124 4.6b,4.4b
IDC V 17 15 27 57.0–.49 38.16N 73.20E 140–3 4.4,4.0b
NEIC V 17 15 27 56.4–1.8 38.23N–.06 73.11E–.08 131–6 4.5b,4.0b
NNC V 17 15 27 58.3–2.2 38.56N 73.03E 165–25 4.5,3.9b
BGR V 17 15 28 02.2 40.39N 72.44E 33 4.6b,3.9b
ISC Event type ke.
MOS Error ellipse: s-maj=5.2km s-min=3.3km az=95.5.
IDC Error ellipse: s-maj=10.8km s-min=7.4km az=9.0.
NEIC Event type se. Error ellipse: s-maj=10.0km s-min=8.3km az=135.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=21.9km s-min=11.4km az=173.0.
BGR Event type ke.
ISC V 19 03 08 53.1–4.8 38.9N–.30 73.1E–.10 10 12 3-5
NNC V 19 03 08 50.5–3.5 38.75N 72.81E 2–13 3.8b,3.4 **¶612039191**
SOME V 19 03 08 55.1 39.03N 72.70E 5 3.8b,3.4
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=23.6km s-min=17.6km az=25.0.
ISC V 19 08 24 08.4–1.5 38.4N–.10 74.04E–.07 10 3.8b 23 4-79
IDC V 19 08 23 56.6–2.5 37.13N 75.60E 0 3.8b,3.7 **¶610690656**
NNC V 19 08 24 06.6–3.0 38.32N 74.10E 0 4.3b,3.9
ISC Event type se.
IDC Error ellipse: s-maj=51.6km s-min=31.0km az=124.0.
NNC Event type se. Error ellipse: s-maj=23.1km s-min=14.8km az=168.0.
ISC V 19 20 24 16.2–1.7 39.64N–.06 73.22E–.04 5–12 25 1-5
KRNET V 19 20 24 11.4–.10 39.44N 73.45E 2.4b **¶617229488**
SOME V 19 20 24 24.8 40.13N 72.95E 0 2.4b
ISC Event type ke.
ISC V 22 09 23 08.8–.46 39.41N–.03 73.64E–.02 11–2 4.8b,4.0s 833 1-153
KRNET V 22 09 23 05.0–.10 39.37N 73.76E 5.1b,4.4b **¶611833956**
BJI V 22 09 23 07.0–.00 39.30N 73.50E 17 4.9L,4.8b
MOS V 22 09 23 07.5–1.1 39.42N 73.58E 11 5.0b,4.1s
NEIC V 22 09 23 08.8–2.7 39.44N–.03 73.59E–.07 10–1 4.9b,4.1s
GCMT V 22 09 23 08.8–.40 39.43N–.03 73.54E–.04 15–2 4.7W,4.1s
IDC V 22 09 23 11.7–2.4 39.46N 73.61E 31–17 4.7,4.5b
NNC V 22 09 23 11.2–1.2 39.52N 73.70E 0 5.2b,4.9
SOME V 22 09 23 12.3 39.73N 73.57E 0 4.5s,4.9
BGR V 22 09 23 14.3 39.54N 73.58E 33 4.4b,4.9
ISC Event type ke.
MOS Event type fe. Error ellipse: s-maj=3.9km s-min=2.8km az=95.8. Felt (V) at Ikizyak, Irkeshtam, Nura; (IV) at Bordobo; (III-IV) at Archa-Bulak, Kara-Kindik, Sary-Tash; (III) at Sopu-Korgon, Taldy-Suu. Moment Tensor Solution.
NEIC Event type se. Error ellipse: s-maj=9.5km s-min=4.1km az=286.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
GCMT nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function. Moment Tensor Solution. s8,c8; s69,c94;Duration: 0 Moment tensor: Scale 10^{16}Nm; M_{rr}0.75±.15 $M_{\theta\theta}$-1.05±.10; $M_{\phi\phi}$0.29±.09; $M_{r\theta}$0.01±.18; $M_{\theta\phi}$-1.26±.07; $M_{\phi r}$-0.11±.21; Best double couple: NP1:ϕ_s195.00000°,δ79.00000°,λ13.00000°. NP2: ϕ_s103.00000°,δ77.00000°,λ168.00000°. Principal axes: T 1.0850,Plg17.0000°,Azm59.0000° ; N 0.7160,Plg73.0000°,Azm236.0000°; P -1.8060,Plg1.0000°,Azm329.0000° $M_0$1.44500×10^{16}
IDC Error ellipse: s-maj=10.7km s-min=8.5km az=171.0.
NNC Event type se. Error ellipse: s-maj=9.5km s-min=5.8km az=175.0.
BGR Event type ke.
SOME V 22 11 43 45.6 39.43N 73.60E 0
NNC V 22 11 43 39.7–11 38.77N 72.86E 0 2.8b,2.5 **¶612039339**
KRNET V 22 11 43 50.7–.10 39.52N 73.70E 2.5b,2.5
NNC Event type se. Error ellipse: s-maj=80.8km s-min=48.8km az=176.0.
ISC V 24 03 21 19.7–.96 38.26N–.07 73.9E–.10 124 3.7b 18 4-68
IDC V 24 03 21 18.3–5.4 38.22N 73.94E 103–44 3.8,3.4b **¶610685263**
SOME V 24 03 21 18.8 39.17N 74.53E 0 3.8,3.4b
ISC Event type ke.
IDC Error ellipse: s-maj=40.1km s-min=27.3km az=5.0.
ISC V 27 06 02 15.8–.81 39.88N–.05 73.88E–.03 10 3.8b,3.4s 110 1-68
SOME V 27 06 02 08.7 39.72N 73.90E 0 3.8b,3.4s **¶610654894**
NNC V 27 06 02 12.9–.72 39.82N 74.01E 0 4.3b,4.1
KRNET V 27 06 02 12.9–.10 39.80N 73.92E 4.0b,4.1
IDC V 27 06 02 14.6–1.7 39.83N 73.93E 0 3.8b,3.7
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=5.7km s-min=3.5km az=166.0.
IDC Error ellipse: s-maj=30.3km s-min=13.6km az=123.0.
ISC V 30 18 45 05.5–3.5 38.9N–.20 74.6E–.10 10 16 3-5
SOME V 30 18 44 56.4 38.83N 73.73E 0 **¶610769378**
NNC V 30 18 45 02.0–5.8 38.67N 74.65E 0 3.7b,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=42.7km s-min=39.9km az=148.0.
ISC VI 02 01 38 36.6–1.8 39.35N–.07 73.08E–.04 3–12 46 1-5
SOME VI 02 01 38 30.2 39.13N 72.97E 15 **¶610659599**
NNC VI 02 01 38 34.4–2.2 39.09N 73.51E 0 3.7b,3.2
KRNET VI 02 01 38 35.1–.10 39.06N 73.27E 3.4b,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=17.2km s-min=11.4km az=165.0.
ISC VI 04 01 24 44.5–.58 38.18N–.05 73.92E–.06 152 3.9b 73 2-68
IDC VI 04 01 24 40.8–3.7 38.04N 73.87E 84–28 4.0,3.5b **¶610758949**
SOME VI 04 01 24 45.9 39.13N 73.25E 0 4.0,3.5b
NEIC VI 04 01 24 47.4–1.6 38.41N–.04 73.88E–.10 144–11 4.0b,3.5b
NNC VI 04 01 24 49.0–1.2 39.18N 73.27E 0 4.4b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=31.3km s-min=18.5km az=160.0.
NEIC Event type se. Error ellipse: s-maj=11.0km s-min=5.9km az=86.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=8.8km s-min=6.3km az=175.0.
ISC VI 04 22 36 43.2–1.5 39.41N–.08 73.47E–.05 10 35 1-5
KRNET VI 04 22 36 41.1–.10 39.34N 73.59E 2.9b **¶612088600**
SOME VI 04 22 36 49.0 39.87N 72.95E 0 2.9b
NNC VI 04 22 36 49.6–3.3 39.70N 73.30E 0 3.3b,2.9
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=23.6km s-min=16.1km az=176.0.
ISC VI 05 15 12 58.8–1.0 39.48N–.05 73.51E–.03 10 70 1-15
NNC VI 05 15 12 55.3–2.5 39.36N 73.45E 0 3.6b,3.2 **¶610662512**
KRNET VI 05 15 13 00.1–.10 39.48N 73.30E 3.5b,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=19.3km s-min=11.9km az=167.0.
ISC VI 08 04 21 08.2–1.1 39.60N–.05 73.44E–.03 10 64 1-14
KRNET VI 08 04 21 04.7–.10 39.46N 73.60E 3.2b **¶612088740**
SOME VI 08 04 21 10.4 39.65N 73.33E 5 3.2b
NNC VI 08 04 21 12.2–1.5 39.67N 73.43E 0 3.9b,3.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=11.5km s-min=5.4km az=174.0.
ISC VI 08 19 58 54.5–1.1 39.61N–.05 73.42E–.03 10 67 1-14
SOME VI 08 19 58 51.6 39.57N 73.02E 0 **¶612088778**
KRNET VI 08 19 58 52.3–.10 39.36N 73.54E 3.5b
NNC VI 08 19 58 55.4–1.7 39.62N 73.17E 0 3.9b,3.6
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=13.9km s-min=6.9km az=176.0.
ISC VI 11 09 34 45.1–1.9 39.47N–.06 73.63E–.04 1–15 74 1-6
KRNET VI 11 09 34 42.2–.10 39.44N 73.70E 3.6b **¶610758983**
SOME VI 11 09 34 44.4 39.47N 73.73E 5 3.6b
NNC VI 11 09 34 47.3–1.9 39.59N 73.65E 0 3.9b,3.5
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=14.2km s-min=6.9km az=172.0.
SOME VI 12 16 35 36.9 39.13N 73.03E 15
¶612088925
ISC VI 13 08 25 30.7–3.0 39.8N–.20 73.44E–.09 14 9 3-14
SOME VI 13 08 25 22.5 39.57N 73.52E 0 **¶612088944**
NNC VI 13 08 25 27.3–3.2 39.52N 74.73E 0 3.9b,3.7
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=24.7km s-min=20.3km az=109.0.
ISC VI 16 04 06 13.2–2.0 39.77N–.07 73.28E–.04 7–15 40 1-6
SOME VI 16 04 06 05.6 39.42N 73.38E 10 **¶612089059**
KRNET VI 16 04 06 07.9–.10 39.34N 73.57E 2.7b
NNC VI 16 04 06 14.4–4.8 39.65N 74.02E 0 3.7b,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=36.1km s-min=19.9km az=175.0.
ISC VI 21 19 41 07.3–.31 38.25N–.03 73.44E–.03 115–2 4.7b 802 2-152
NNC VI 21 19 41 02.1–4.5 38.25N 72.83E 0 5.7b,5.3 **¶610690713**
IDC VI 21 19 41 08.0–2.0 38.33N 73.46E 116–17 4.7,4.3b
BJI VI 21 19 41 07.4–.00 38.37N 73.49E 121 4.8b,4.6b
MOS VI 21 19 41 07.8–.93 38.39N 73.42E 124 4.8b,4.6b
NEIC VI 21 19 41 09–1.7 38.40N–.06 73.38E–.08 123–7 4.7b,4.6b
SOME VI 21 19 41 14.5 39.58N 72.75E 0 4.2s,4.6b
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=40.3km s-min=25.2km az=20.0.
IDC Error ellipse: s-maj=12.8km s-min=7.4km az=3.0.
MOS Error ellipse: s-maj=4.7km s-min=3.0km az=92.8.
NEIC Event type se. Error ellipse: s-maj=9.4km s-min=8.3km az=121.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC VI 21 20 37 11.7–1.0 39.61N–.05 73.71E–.03 10 104 1-6
SOME VI 21 20 37 07.1 39.73N 73.38E 5 **¶610690716**
KRNET VI 21 20 37 08.6–.10 39.56N 73.73E 3.3b
ISU VI 21 20 37 11.4 39.55N 73.62E 11 3.3b
NNC VI 21 20 37 13.1–1.8 39.72N 73.83E 0 3.6b,3.3
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=15.0km s-min=7.0km az=175.0.
ISC VI 22 03 49 09.1–1.2 39.73N–.05 73.73E–.03 10 63 1-5
SOME VI 22 03 49 08.5 39.67N 73.70E 0 **¶612053722**
KRNET VI 22 03 49 10.3–.10 39.59N 73.71E 3.2b
NNC VI 22 03 49 11.7–2.2 39.70N 73.81E 0 3.6b,3.2
ISC Event type se.
NNC Event type se. Error ellipse: s-maj=16.8km s-min=9.5km az=167.0.
ISC VI 26 00 39 46.8–.86 39.55N–.03 73.62E–.02 14–5 4.5b,3.4s 418 1-100
KRNET VI 26 00 39 42.6–.10 39.45N 73.67E 4.8b,3.4s **¶610694774**
SOME VI 26 00 39 42.0 39.47N 73.72E 15 4.8b,3.4s
IDC VI 26 00 39 44.0–.62 39.43N 73.73E 0 4.3,4.2b
MOS VI 26 00 39 45.1–1.0 39.47N 73.60E 12 4.6b,4.2b
BJI VI 26 00 39 45.0–.00 39.70N 73.61E 11 4.6b,4.5b
NEIC VI 26 00 39 46.8 39.58N 73.54E 10 4.6b,4.5b
NEIC VI 26 00 39 47.0–2.9 39.52N–.06 73.52E–.05 10–1 4.5b,4.0
NNC VI 26 00 39 57.0–4.0 40.17N 73.79E 14–19 4.7b,4.4
ISC Event type se.
IDC Error ellipse: s-maj=12.4km s-min=9.6km az=133.0.
MOS Error ellipse: s-maj=4.8km s-min=3.2km az=81.7.
NEIC Event type se.
NEIC Event type se. Error ellipse: s-maj=10.6km s-min=4.6km az=153.0. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}0.88 $M_{\theta\theta}$-1.30 $M_{\phi\phi}$0.42 $M_{r\theta}$-0.44 $M_{\theta\phi}$-0.09 $M_{\phi r}$-0.60 NP1:ϕ_s116.41000°,δ41.88000°,λ139.17000°. NP2:ϕ_s239.16000° ,δ64.12000°,λ55.85000°. Principal axes: T 1.3331,Plg57.0000°,Azm103.0000° ; N 0.0809,Plg30.0000°,Azm256.0000°; P -1.4140,Plg13.0000°,Azm353.0000° $M_0$1.38000×10^{15}
NNC Event type se. Error ellipse: s-maj=26.8km s-min=14.5km az=2.0.
ISC VI 29 21 45 30.3–1.1 39.42N–.03 73.49E–.02 15–7 4.0b,3.1s 315 1-100
IDC VI 29 21 45 26.7–.80 39.29N 73.55E 0 4.0,4.0b **¶610712018**
KRNET VI 29 21 45 27.9–.10 39.41N 73.49E 4.6b,4.0b
SOME VI 29 21 45 27.1 39.65N 73.17E 5 4.6b,4.0b
MOS VI 29 21 45 29.2–.96 39.40N 73.49E 13 4.4b,4.0b
NNC VI 29 21 45 31.9–.84 39.62N 73.54E 0 4.7b,4.4
NEIC VI 29 21 45 31.3 39.45N 73.38E 10 4.7b,4.4
NEIC VI 29 21 45 31.4–2.9 39.48N–.04 73.36E–.04 10–1 4.2b,4.1
ISC Event type se.
NNC Event type se.
NEIC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual. Moment Tensor Solution. Moment tensor: Scale 10^{15}Nm; M_{rr}0.08 $M_{\theta\theta}$-1.29 $M_{\phi\phi}$1.20 $M_{r\theta}$0.83 $M_{\theta\phi}$0.79 $M_{\phi r}$0.39 NP1:ϕ_s331.34000°,δ57.98000°,λ179.04000°. NP2:ϕ_s61.85000°,δ89.19000° ,λ32.02000°. Principal axes: T 1.6850,Plg23.0000°,Azm291.0000°; N 0.1016,Plg58.0000° ,Azm63.0000°; P -1.7866,Plg21.0000°,Azm192.0000° $M_0$1.74000×10^{15}
ISC VI 29 23 07 15.4–1.3 39.48N–.04 73.33E–.03 13–9 3.8b 173 1-78
IDC VI 29 23 07 09.0–1.7 39.18N 73.55E 0 3.7b,3.6 **¶610712022**
KRNET VI 29 23 07 11.2–.10 39.37N 73.57E 3.8b,3.6
SOME VI 29 23 07 14.2 39.43N 73.47E 10 3.8b,3.6
MOS VI 29 23 07 15.3–.76 39.51N 73.43E 16 4.2b,3.6
NEIC VI 29 23 07 16.2–2.0 39.54N–.05 73.42E–.04 10–2 4.2b,3.6
NNC VI 29 23 07 17.3–.87 39.60N 73.52E 0 3.9b,3.5
ISC Event type se.
IDC Error ellipse: s-maj=27.8km s-min=18.0km az=143.0.
MOS Error ellipse: s-maj=8.6km s-min=4.7km az=82.9.

NEIC Event type se. Error ellipse: s-maj=9.0km s-min=4.2km az=197.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=6.8km s-min=4.3km az=178.0.

(720) Northwestern Kashmir.

ISC I 08 22 20 52.7–.97 35.6N–.10 74.8E–.10 35 3.6b 21 7-82
IDC I 08 22 20 47.4–1.0 35.55N 74.89E 0 3.8,3.7b ¶610105020
NNC I 08 22 20 48.0–13 36.00N 75.73E 0 4.0,4.0b
ISC Event type se.
IDC Error ellipse: s-maj=25.3km s-min=16.9km az=53.0.
NNC Event type se. Error ellipse: s-maj=167.5km s-min=139.7km az=86.0.
ISC I 12 21 32 43.5–.73 35.46N–.07 74.6E–.10 36 3.6b 35 7-82
IDC I 12 21 32 39.1–1.0 35.52N 74.46E 0 3.8,3.7b ¶610123266
NNC I 12 21 32 49.3–3.1 35.74N 74.03E 48–38 3.9b,3.7
ISC Event type se.
IDC Error ellipse: s-maj=26.3km s-min=17.9km az=57.0.
NNC Event type se. Error ellipse: s-maj=30.0km s-min=25.2km az=50.0.
ISC III 06 02 44 00.4–.28 36.97N–.03 73.65E–.03 100 4.3b 338 3-89
MOS III 06 02 43 58.4–1.1 37.00N 73.51E 81 4.4b ¶610245519
IDC III 06 02 43 59.2–2.6 36.91N 73.44E 75–23 4.2,3.9b
BJI III 06 02 44 00.3–.00 37.30N 73.40E 100 4.8b,4.7b
NNC III 06 02 44 00.9–3.5 37.36N 72.63E 0 4.5b,4.1
NEIC III 06 02 44 00.3–1.4 37.05N–.06 73.50E–.07 90–2 4.4b,4.1
ISC Event type se.
NNC Event type se.
NEIC Event type se. smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
ISC V 06 17 57 07.2–.44 36.70N–.04 73.91E–.05 100 4.0b 96 3-82
IDC V 06 17 56 54.8–.94 36.38N 74.09E 0 3.9,3.8b ¶610617727
NEIC V 06 17 57 06.8–2.0 36.77N–.06 73.98E–.09 77–6 4.2b,3.8b
NNC V 06 17 57 11.4–3.7 37.33N 73.80E 0 4.5b,4.1
ISC Event type se.
IDC Error ellipse: s-maj=19.0km s-min=18.9km az=60.0.
NEIC Event type se. Error ellipse: s-maj=11.5km s-min=6.8km az=119.0.
smi:us.anss.org/metadata/methodid/origin/RayLocator/1.0. earthModelID
smi:us.anss.org/metadata/methodid/earthModel/ak135/1.0. hypocenter. manual.
NNC Event type se. Error ellipse: s-maj=31.8km s-min=26.6km az=61.0.
ISC V 22 19 41 16.0–.91 35.53N–.06 74.5E–.10 10 37 3-27
IDC V 22 19 41 12.8–2.8 35.60N 73.75E 0 3.7,3.6b ¶610659533
ISC Event type ke.
IDC Error ellipse: s-maj=56.4km s-min=24.6km az=69.0.

SEISMIC REGION 49.
Northern Eurasia.

(721) Finland.

IDC II 07 09 16 45.3–346 64.96N 24.14E 0
¶610415032
IDC Error ellipse: s-maj=145.2km s-min=95.9km az=160.0.
IDC III 13 08 33 02.1–348 64.66N 23.95E 0
¶610546123
IDC Error ellipse: s-maj=145.8km s-min=99.1km az=162.0.
IDC III 13 15 05 53.4–357 64.18N 24.00E 0
¶610546146
IDC Error ellipse: s-maj=149.8km s-min=102.5km az=163.0.
ISC V 17 11 29 18.1–1.3 64.01N–.06 24.6E–.10 10 5 3-7
IDC V 17 11 29 15.3–1.7 63.93N 28.61E 0 2.8,2.0L ¶610690489
ISC Event type ke.
IDC Error ellipse: s-maj=26.4km s-min=10.2km az=98.0.
ISC V 24 09 59 35.6–1.5 65.40N–.07 28.78E–.09 10 7 3-5
KOLA V 24 09 59 39.9 64.73N 30.46E 0 2.1L ¶610685289
IDC V 24 09 59 40.2–3.2 64.66N 30.20E 0 2.5,1.7L
ISC Event type ke.
KOLA Error ellipse: s-maj=34.6km s-min=29.2km az=170.0. Kostomuksha, Karelia.
IDC Error ellipse: s-maj=54.9km s-min=10.0km az=102.0.

(723) Finland-Karelia border region.

ISC II 03 09 59 27.3–2.2 64.70N–.07 30.7E–.20 10 16 3-9
UPP II 03 09 59 22.1–3.1 64.37N 31.17E 0 1.6L ¶610414730
IDC II 03 09 59 29.3–2.8 64.72N 30.22E 0 2.8,2.1L
ISC Event type ke.
UPP Error ellipse: s-maj=0.1km s-min=0.5km az=-1.0.
IDC Error ellipse: s-maj=42.8km s-min=8.0km az=99.0.
ISC V 04 09 59 18.9–1.5 64.78N–.07 30.04E–.10 4 10 3-9
IDC V 04 09 59 20.8–2.9 64.65N 30.24E 0 2.9,2.0L ¶610689542
KOLA V 04 09 59 23.5 64.84N 29.92E 0 2.2L,2.0L
ISC Event type ke.
IDC Error ellipse: s-maj=44.7km s-min=9.8km az=103.0.
KOLA Error ellipse: s-maj=36.4km s-min=17.4km az=160.0. Karelia,Finland, Oulu area.

(724) Baltic States-Belarus-Northwestern Russia.

IDC I 11 09 49 47.2–294 56.92N 41.24E 0
¶610237139
IDC Error ellipse: s-maj=112.5km s-min=47.3km az=87.0.
IDC I 11 14 06 33.0–929 52.33N 32.95E 0
¶610237155
IDC Error ellipse: s-maj=376.8km s-min=115.7km az=34.0.
IDC I 11 14 18 59.0–960 52.06N 32.75E 0
¶610237156
IDC Error ellipse: s-maj=389.2km s-min=123.1km az=34.0.
IDC I 11 15 45 58.5–500 52.96N 33.58E 0
¶610237170
IDC Error ellipse: s-maj=185.3km s-min=94.8km az=29.0.
IDC I 12 08 02 30.7–293 57.00N 41.66E 0
¶610237229
IDC Error ellipse: s-maj=114.1km s-min=51.0km az=86.0.
IDC I 16 07 50 45.0–375 61.84N 43.31E 0
¶610237497
IDC Error ellipse: s-maj=168.2km s-min=124.0km az=2.0.
IDC I 16 10 19 18.7–423 50.45N 46.82E 0
¶610237508
IDC Error ellipse: s-maj=154.2km s-min=134.1km az=90.0.
IDC I 16 19 00 16.4–999 51.86N 32.21E 0
¶610237532
IDC Error ellipse: s-maj=408.6km s-min=121.2km az=35.0.
IDC I 20 10 45 06.3–999 67.83N 33.37E 0
¶610234931
IDC Error ellipse: s-maj=879.6km s-min=245.8km az=112.0.
ISC I 26 10 04 25.8–2.7 64.6N–.10 31.4E–.10 10 17 3-5
UPP I 26 10 04 28.9–2.8 64.55N 30.86E 0 2.0L ¶611909229
KOLA I 26 10 04 29.6 64.62N 30.55E 0 2.5L
ISC Event type ke.
UPP Error ellipse: s-maj=0.1km s-min=0.5km az=-1.0.
KOLA Error ellipse: s-maj=25.6km s-min=20.7km az=10.0. Kostomuksha, Karelia.
IDC I 26 12 39 21.3–2.4 50.29N 27.61E 0 3.7,2.7L
¶610235382
IDC Error ellipse: s-maj=22.9km s-min=11.8km az=21.0.
IDC I 30 09 29 17.2–999 51.16N 44.96E 0
¶610235717
IDC Error ellipse: s-maj=1203.0km s-min=164.1km az=87.0.
IDC I 30 15 34 26.1–999 51.05N 45.18E 0
¶610235744
IDC Error ellipse: s-maj=1221.0km s-min=162.7km az=86.0.
IDC II 02 09 31 46.5–481 60.15N 31.58E 0
¶610414665
IDC Error ellipse: s-maj=183.5km s-min=94.6km az=136.0.
IDC II 02 10 25 11.8–557 57.32N 30.91E 0
¶610414667
IDC Error ellipse: s-maj=205.5km s-min=98.1km az=95.0.
IDC II 02 12 28 34.2–999 56.12N 30.06E 0
¶610414672
IDC Error ellipse: s-maj=1222.0km s-min=97.2km az=79.0.
IDC II 02 12 48 55.9–546 57.39N 31.11E 0
¶610414675
IDC Error ellipse: s-maj=203.3km s-min=75.1km az=98.0.
IDC II 02 16 11 23.1–925 51.32N 33.21E 0
¶610414686
IDC Error ellipse: s-maj=379.1km s-min=133.4km az=30.0.
KOLA II 02 20 10 02.0 67.58N 33.91E 0 1.9L
¶616228542
KOLA Error ellipse: s-maj=6.6km s-min=2.7km az=160.0. Khibiny Massif.
IDC II 07 11 18 24.1–493 58.35N 30.35E 0
¶610415038
IDC Error ellipse: s-maj=194.5km s-min=117.4km az=106.0.
IDC II 11 08 45 25.7–354 53.98N 43.22E 0
¶610415301
IDC Error ellipse: s-maj=149.8km s-min=111.4km az=142.0.
IDC II 14 15 05 13.7–856 51.89N 33.51E 0
¶610415510
IDC Error ellipse: s-maj=351.9km s-min=110.7km az=29.0.
IDC II 14 18 03 25.2–919 51.72N 32.82E 0
¶610415518
IDC Error ellipse: s-maj=375.6km s-min=111.3km az=31.0.
IDC II 14 18 20 32.3–848 51.73N 33.72E 0
¶610415519
IDC Error ellipse: s-maj=351.6km s-min=111.6km az=27.0.
IDC II 15 09 44 31.4–334 54.32N 41.61E 0
¶610415553
IDC Error ellipse: s-maj=145.1km s-min=68.9km az=140.0.
IDC II 15 09 55 54.8–347 54.11N 41.52E 0
¶610415554
IDC Error ellipse: s-maj=150.9km s-min=78.3km az=143.0.
IDC II 15 11 32 45.0–383 57.02N 35.71E 0
¶610415562
IDC Error ellipse: s-maj=157.2km s-min=24.6km az=109.0.
IDC II 15 16 00 27.7–371 61.23N 36.81E 0
¶610415573
IDC Error ellipse: s-maj=142.5km s-min=93.5km az=178.0.
IDC II 16 07 52 29.0–562 57.06N 32.96E 0
¶610415617
IDC Error ellipse: s-maj=213.4km s-min=53.5km az=96.0.
IDC II 16 09 25 20.6–329 53.85N 43.56E 0
¶610415621
IDC Error ellipse: s-maj=149.1km s-min=98.1km az=140.0.
IDC II 16 13 54 36.3–383 53.15N 46.32E 0
¶610415636
IDC Error ellipse: s-maj=156.9km s-min=135.9km az=129.0.
IDC II 17 09 00 31.9–3.2 52.33N 35.49E 0 3.5,2.9b
¶610415676
IDC Error ellipse: s-maj=40.0km s-min=19.9km az=114.0.
IDC II 17 09 04 44.4–505 52.87N 37.44E 0
¶610415678
IDC Error ellipse: s-maj=218.3km s-min=92.1km az=5.0.
IDC II 17 16 20 15.2–358 54.05N 43.58E 0
¶610415706
IDC Error ellipse: s-maj=153.0km s-min=112.6km az=140.0.
IDC II 18 08 44 46.5–344 54.54N 44.91E 0
¶610415751
IDC Error ellipse: s-maj=146.4km s-min=89.1km az=124.0.
IDC II 21 10 27 30.7–461 54.49N 43.12E 0
¶610384743
IDC Error ellipse: s-maj=175.1km s-min=88.7km az=126.0.
IDC II 23 08 27 21.5–.95 59.91N 23.99E 0 3.6,3.4L
¶610384858
IDC Error ellipse: s-maj=13.4km s-min=7.3km az=134.0.
IDC II 28 11 31 08.1–544 57.11N 30.85E 0
¶610385200
IDC Error ellipse: s-maj=208.5km s-min=77.8km az=92.0.
IDC II 28 13 11 02.5–999 55.51N 39.46E 0
¶610385206
IDC Error ellipse: s-maj=988.3km s-min=231.4km az=99.0.
IDC III 01 09 17 25.5–7.0 51.59N 38.31E 0 3.6,2.5L
¶610545310
IDC Error ellipse: s-maj=102.4km s-min=58.6km az=55.0.
IDC III 02 16 52 48.9–330 54.25N 42.81E 0
¶610545399
IDC Error ellipse: s-maj=140.0km s-min=77.9km az=135.0.
IDC III 03 09 14 52.7–349 68.18N 39.23E 0
¶610545442
IDC Error ellipse: s-maj=169.3km s-min=157.5km az=143.0.
IDC III 03 13 24 30.5–745 53.51N 34.32E 0
¶610545457
IDC Error ellipse: s-maj=280.4km s-min=82.1km az=27.0.
IDC III 03 14 52 17.2–533 57.37N 33.08E 0
¶610545461
IDC Error ellipse: s-maj=201.2km s-min=52.2km az=104.0.
IDC III 03 16 32 15.1–725 53.57N 34.48E 0
¶610545466
IDC Error ellipse: s-maj=270.8km s-min=78.0km az=26.0.
IDC III 03 16 44 20.9–756 53.20N 34.17E 0
¶610545467
IDC Error ellipse: s-maj=282.8km s-min=87.7km az=26.0.
IDC III 06 08 43 27.8–487 65.71N 39.63E 0
¶610545642
IDC Error ellipse: s-maj=297.8km s-min=160.1km az=40.0.
IDC III 06 09 12 01.2–473 65.66N 41.01E 0
¶610545644
IDC Error ellipse: s-maj=287.1km s-min=158.4km az=41.0.
IDC III 06 10 57 17.3–516 57.58N 30.38E 0
¶610545653
IDC Error ellipse: s-maj=197.7km s-min=86.0km az=98.0.
IDC III 06 14 04 16.0–511 57.82N 29.75E 0
¶610545664
IDC Error ellipse: s-maj=196.6km s-min=105.4km az=99.0.
IDC III 06 14 40 34.8–523 57.52N 30.07E 0
¶610545667
IDC Error ellipse: s-maj=199.4km s-min=96.9km az=96.0.
ISC III 10 09 00 54.4–3.3 52.8N–.10 35.1E–.30 10 6 3-29
IDC III 10 09 00 52.9–3.3 52.51N 35.49E 0 3.2,2.8L ¶610545946
ISC Event type ke.
IDC Error ellipse: s-maj=35.4km s-min=13.0km az=115.0.
IDC III 10 09 22 51.0–716 52.56N 33.11E 0
¶610545947
IDC Error ellipse: s-maj=289.5km s-min=105.0km az=31.0.
IDC III 10 10 53 52.2–338 54.19N 42.54E 0
¶616603835
IDC Error ellipse: s-maj=148.3km s-min=82.7km az=139.0.
IDC III 10 11 40 28.7–999 56.90N 35.12E 0
¶610545953
IDC Error ellipse: s-maj=904.4km s-min=28.2km az=98.0.
IDC III 10 11 55 46.1–546 57.91N 30.00E 0
¶610545955
IDC Error ellipse: s-maj=203.8km s-min=90.3km az=102.0.
IDC III 10 13 20 06.7–645 53.91N 42.58E 0
¶610545960
IDC Error ellipse: s-maj=251.5km s-min=194.6km az=90.0.
IDC III 10 13 39 03.5–2.3 50.30N 27.61E 0 3.4,2.8L
¶610545961
IDC Error ellipse: s-maj=22.7km s-min=11.5km az=22.0.
IDC III 10 13 43 21.3–585 57.03N 29.47E 0
¶610545962

IDC Error ellipse: s-maj=227.9km s-min=93.4km az=88.0.
IDC III 10 14 34 52.2–396 67.00N 39.42E 0
¶610545963
IDC Error ellipse: s-maj=158.4km s-min=144.9km az=83.0.
IDC III 10 14 55 49.6–999 57.53N 32.07E 0
¶610545965
IDC Error ellipse: s-maj=1052.0km s-min=75.1km az=103.0.
IDC III 10 15 31 54.6–385 67.41N 39.35E 0
¶610545968
IDC Error ellipse: s-maj=154.1km s-min=143.0km az=86.0.
IDC III 10 16 09 05.7–860 53.12N 33.47E 0
¶610545971
IDC Error ellipse: s-maj=346.2km s-min=100.6km az=34.0.
IDC III 13 16 05 33.1–999 51.06N 45.23E 0
¶610546151
IDC Error ellipse: s-maj=1270.0km s-min=167.1km az=86.0.
IDC III 13 16 19 16.3–432 53.40N 33.76E 0
¶610546153
IDC Error ellipse: s-maj=175.7km s-min=82.1km az=31.0.
IDC III 22 07 52 55.5–293 56.83N 41.59E 0
¶610543456
IDC Error ellipse: s-maj=113.8km s-min=56.4km az=91.0.
IDC III 22 08 49 56.9–326 54.59N 41.01E 0
¶610543459
IDC Error ellipse: s-maj=141.0km s-min=64.9km az=140.0.
IDC III 23 16 36 35.6–999 56.91N 30.68E 0
¶610543552
IDC Error ellipse: s-maj=1437.0km s-min=80.4km az=90.0.
IDC III 24 07 54 37.8–294 56.68N 41.57E 0
¶610543581
IDC Error ellipse: s-maj=114.9km s-min=54.4km az=94.0.
IDC III 28 12 17 37.3–573 56.88N 31.02E 0
¶610543848
IDC Error ellipse: s-maj=212.1km s-min=79.2km az=89.0.
IDC III 28 14 17 24.2–551 57.55N 30.28E 0
¶610543854
IDC Error ellipse: s-maj=201.5km s-min=92.5km az=98.0.
IDC III 29 17 05 29.2–531 57.38N 30.17E 0
¶610543944
IDC Error ellipse: s-maj=201.1km s-min=93.6km az=94.0.
IDC III 29 18 49 45.5–530 57.43N 30.20E 0
¶610543950
IDC Error ellipse: s-maj=200.0km s-min=109.3km az=94.0.
IDC III 29 18 56 19.9–536 57.46N 30.59E 0
¶610543951
IDC Error ellipse: s-maj=206.7km s-min=96.6km az=96.0.
ISC III 30 09 00 04.2–2.3 52.7N–.10 35.0E–.20 10 7 3-63
IDC III 30 08 59 59.4–2.5 52.22N 35.66E 0 3.3,3.3b ¶610543980
ISC Event type ke.
IDC Error ellipse: s-maj=29.8km s-min=14.3km az=126.0.
IDC III 30 11 13 21.6–604 56.87N 30.89E 0
¶610543986
IDC Error ellipse: s-maj=231.7km s-min=80.4km az=88.0.
IDC III 30 13 08 37.1–582 56.79N 30.63E 0
¶610543991
IDC Error ellipse: s-maj=213.0km s-min=81.2km az=87.0.
IDC IV 04 12 33 28.3–432 56.46N 37.80E 0
¶610651913
IDC Error ellipse: s-maj=190.1km s-min=9.2km az=129.0.
IDC IV 04 13 49 53.0–511 55.53N 39.07E 0
¶610651919
IDC Error ellipse: s-maj=175.8km s-min=35.1km az=140.0.
IDC IV 06 07 30 22.5–440 57.04N 42.49E 0
¶610652056
IDC Error ellipse: s-maj=167.0km s-min=63.7km az=87.0.
IDC IV 06 08 41 52.9–464 54.45N 42.76E 0
¶610652060
IDC Error ellipse: s-maj=175.1km s-min=86.3km az=128.0.
IDC IV 07 09 24 18.8–475 54.40N 42.13E 0
¶610652139
IDC Error ellipse: s-maj=178.2km s-min=92.4km az=132.0.
IDC IV 07 10 21 31.6–556 57.34N 30.47E 0
¶610652144
IDC Error ellipse: s-maj=202.7km s-min=105.4km az=94.0.
KOLA IV 09 20 09 03.0 67.59N 33.85E 0 2.0L
¶617153876
KOLA Error ellipse: s-maj=5.9km s-min=1.7km az=150.0. Khibiny Massif.
ISC IV 11 09 22 23.9–2.8 56.0N–.20 22.51E–.09 10 11 2-5
UPP IV 11 09 22 24.6–3.2 55.68N 22.95E 0 1.6L ¶611910165
LVSN IV 11 09 22 27.8–2.5 56.14N 22.27E 0–542 2.6L
ISC Event type ke.
UPP Error ellipse: s-maj=0.2km s-min=0.4km az=-1.0.
LVSN Error ellipse: s-maj=432.5km s-min=203.7km az=-1.0.
IDC IV 11 14 15 15.5–437 56.68N 37.29E 0
¶610652463
IDC Error ellipse: s-maj=199.0km s-min=1.3km az=137.0.
IDC IV 12 12 52 27.3–370 54.37N 43.24E 0
¶610652557
IDC Error ellipse: s-maj=154.6km s-min=85.4km az=130.0.
IDC IV 12 13 03 24.9–543 57.28N 29.58E 0
¶610652559
IDC Error ellipse: s-maj=205.6km s-min=94.6km az=92.0.
IDC IV 14 10 31 47.6–481 53.96N 41.82E 0
¶610652720
IDC Error ellipse: s-maj=178.3km s-min=77.0km az=138.0.
IDC IV 14 13 52 59.9–467 54.30N 42.26E 0
¶610652732
IDC Error ellipse: s-maj=175.0km s-min=75.2km az=132.0.
IDC IV 14 15 15 21.3–514 57.00N 29.89E 0
¶610652736
IDC Error ellipse: s-maj=167.6km s-min=86.0km az=93.0.
IDC IV 18 17 07 24.6–329 54.07N 42.19E 0
¶610652990
IDC Error ellipse: s-maj=139.8km s-min=75.6km az=140.0.
IDC IV 20 12 21 55.2–307 53.82N 42.66E 0
¶610653115
IDC Error ellipse: s-maj=135.3km s-min=83.3km az=142.0.
ISC IV 21 09 06 58.3–.92 52.61N–.09 35.26E–.07 10 9 3-63
IDC IV 21 09 06 58.1–1.6 52.41N 35.42E 0 3.4,3.2b ¶610653184
ISC Event type ke.
IDC Error ellipse: s-maj=20.0km s-min=12.0km az=139.0.
IDC IV 24 11 33 24.1–418 51.17N 46.31E 0
¶610649886
IDC Error ellipse: s-maj=153.4km s-min=128.2km az=113.0.
IDC IV 25 09 02 52.7–405 57.70N 30.66E 0
¶610649970
IDC Error ellipse: s-maj=158.6km s-min=97.7km az=97.0.
IDC IV 25 17 31 21.2–283 52.88N 33.43E 0
¶610650007
IDC Error ellipse: s-maj=120.5km s-min=85.5km az=14.0.
IDC IV 26 16 38 14.0–.96 59.68N 22.19E 0 3.4,3.1L
¶610650073
IDC Error ellipse: s-maj=13.8km s-min=8.4km az=172.0.
IDC IV 27 19 41 04.0–476 54.02N 42.38E 0
¶610650156
IDC Error ellipse: s-maj=177.2km s-min=82.5km az=135.0.
ISC IV 28 09 58 27.8–3.0 64.44N–.08 31.6E–.20 10 13 4-10
UPP IV 28 09 58 32.2–3.0 64.44N 30.95E 0 1.6L ¶610650213
IDC IV 28 09 58 36.5–2.3 64.71N 30.19E 0 2.9,1.9L
ISC Event type ke.
UPP Error ellipse: s-maj=0.1km s-min=0.5km az=-1.0.

IDC Error ellipse: s-maj=33.5km s-min=8.1km az=99.0.
KOLA IV 29 11 16 59.2 67.52N 30.61E 0 1.7L
¶617153896
KOLA Error ellipse: s-maj=16.1km s-min=5.0km az=20.0. Murmansk region, Kovdor district.
KOLA V 06 11 15 04.5 67.54N 30.49E 0 2.1L
¶617229476
KOLA Error ellipse: s-maj=8.4km s-min=2.4km az=20.0. Kovdor City, Mines.
KOLA V 06 11 18 19.5 67.59N 30.60E 0 1.9L
¶617229477
KOLA Error ellipse: s-maj=12.3km s-min=2.8km az=30.0. Murmansk region, Kovdor district.
KOLA V 12 04 00 11.6 67.61N 33.90E 0 1.8L
¶617229480
KOLA Error ellipse: s-maj=4.4km s-min=1.3km az=150.0. Khibiny, mines Rasvumchorr, Central.
IDC V 16 07 53 24.0–750 56.84N 39.58E 0
¶610690399
IDC Error ellipse: s-maj=276.2km s-min=30.0km az=86.0.
ISC V 17 09 00 23.1–2.3 52.7N–.10 34.2E–.20 10 6 3-63
IDC V 17 09 00 17.5–2.6 52.40N 35.45E 0 3.2,3.1b ¶610690475
ISC Event type ke.
IDC Error ellipse: s-maj=32.9km s-min=15.2km az=120.0.
ISC V 17 10 37 07.9–1.3 67.72N–.07 34.14E–.06 10 17 0-7
KOLA V 17 10 37 07.8 67.69N 34.20E 0 2.3L ¶610690486
IDC V 17 10 37 10.0–3.0 67.76N 33.82E 0 2.9,2.2L
ISC Event type ke.
KOLA Error ellipse: s-maj=4.4km s-min=1.4km az=130.0. Khibiny, mines Koashva, Nyurkpakh.
IDC Error ellipse: s-maj=38.9km s-min=14.3km az=61.0.
IDC V 19 18 53 47.6–343 54.14N 41.66E 0
¶610690695
IDC Error ellipse: s-maj=137.6km s-min=75.8km az=139.0.
IDC V 25 06 36 53.2–340 62.42N 40.70E 0
¶610685338
IDC Error ellipse: s-maj=143.9km s-min=119.2km az=27.0.
IDC V 25 13 25 35.5–2.3 50.34N 27.69E 0 3.5,2.5L
¶610685368
IDC Error ellipse: s-maj=21.7km s-min=11.4km az=22.0.
ISC V 30 10 50 33.3–1.7 67.44N–.07 34.67E–.07 10 18 0-7
KOLA V 30 10 50 38.1 67.68N 34.29E 0 2.3L ¶610685716
IDC V 30 10 50 39.4–3.2 67.34N 33.16E 0 2.8,1.9L
ISC Event type ke.
KOLA Error ellipse: s-maj=5.8km s-min=1.7km az=140.0. Murmansk region, Kirovsk district .
IDC Error ellipse: s-maj=44.9km s-min=13.8km az=67.0.
KOLA V 30 11 29 35.9 64.41N 31.35E 0 1.7L
¶617229503
KOLA Error ellipse: s-maj=57.1km s-min=45.3km az=170.0. Karelia.
ISC V 30 13 10 59.8–1.3 68.12N–.04 33.18E–.04 2–13 17 1-7
KOLA V 30 13 11 02.0 68.06N 33.32E 0 2.0L ¶610685721
IDC V 30 13 11 05.1–2.6 68.10N 32.59E 0 2.6,1.9L
ISC Event type ke.
KOLA Error ellipse: s-maj=2.3km s-min=1.3km az=100.0. Olenegorsk City, Mines.
IDC Error ellipse: s-maj=29.5km s-min=11.0km az=69.0.
IDC V 31 10 00 20.3–3.3 52.59N 34.81E 0 3.5,3.0L
¶610685789
IDC Error ellipse: s-maj=38.2km s-min=13.2km az=115.0.
IDC V 31 16 50 33.9–344 54.06N 41.62E 0
¶610685806
IDC Error ellipse: s-maj=138.0km s-min=90.0km az=141.0.
KOLA VI 01 19 40 38.3 67.66N 33.82E 0 1.2L
¶617481113
KOLA Error ellipse: s-maj=6.4km s-min=0.8km az=150.0. Khibiny, mines Kirovsk, Yukspor,Khibiny, mines Rasvumchorr, Central.
KOLA VI 02 12 05 36.1 67.67N 33.72E 0 1.8L
¶617481116
KOLA Error ellipse: s-maj=3.1km s-min=1.0km az=150.0. Khibiny, mines Kirovsk, Yukspor.
IDC VI 02 15 45 54.2–339 54.18N 42.19E 0
¶610791108
IDC Error ellipse: s-maj=135.9km s-min=73.7km az=136.0.
IDC VI 02 17 05 11.4–304 52.13N 32.79E 0
¶610791109
IDC Error ellipse: s-maj=140.5km s-min=106.7km az=11.0.
IDC VI 04 01 31 16.8–999 55.31N 47.39E 0
¶610791203
IDC Error ellipse: s-maj=510.7km s-min=111.2km az=109.0.
IDC VI 07 17 01 04.9–4.9 61.92N 35.75E 0 2.7,1.7L
¶610791414
IDC Error ellipse: s-maj=67.4km s-min=31.7km az=178.0.
IDC VI 15 16 56 22.0–364 58.33N 23.87E 0
¶610791951
IDC Error ellipse: s-maj=161.1km s-min=123.3km az=129.0.
IDC VI 16 16 00 58.3–330 57.30N 29.46E 0
¶610792012
IDC Error ellipse: s-maj=128.1km s-min=86.0km az=94.0.
IDC VI 19 13 21 11.6–740 56.83N 39.40E 0
¶610792195
IDC Error ellipse: s-maj=275.8km s-min=27.1km az=86.0.
KOLA VI 21 09 59 43.1 67.67N 33.73E 0 1.6L
¶615319171
KOLA Error ellipse: s-maj=6.5km s-min=2.5km az=150.0. Khibiny, mines Kirovsk, Yukspor.
IDC VI 27 15 26 17.2–328 57.66N 29.45E 0
¶610789580
IDC Error ellipse: s-maj=127.5km s-min=103.8km az=99.0.
IDC VI 28 09 00 01.0–5.5 52.38N 35.41E 0 3.5,2.8L
¶610789628
IDC Error ellipse: s-maj=73.4km s-min=18.9km az=124.0.
IDC VI 30 18 16 09.5–398 58.63N 54.17E 0
¶610789805
IDC Error ellipse: s-maj=157.5km s-min=137.4km az=56.0.

SEISMIC REGION 50.
Antarctica.

(729) Antarctica.
AWI IV 10 20 42 08.2 70.79S 9.84W
¶617176445
AWI IV 22 22 22 11.1 69.67S 9.42W
¶610547504
AWI IV 23 16 14 18.3 70.82S 9.97W
¶616742424

SEISMOLOGICAL OBSERVATORIES

IN ALPHABETICAL ORDER OF STATION NAME WITH BASIC PARAMETERS

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
100 Mile House	HM-BC	British Columbia,Canada	51.6550N	121.4756W	1128	From 1962-07-26 to 1962-10-05
1031 Sheenboro Crescent, Ottawa	OT001	Ontario,Canada	45.4788N	75.4745W	88	From 2001-11-15
10 DE AGOSTO	AGOS	Ecuador	0.1278S	80.0708W	31	From 2016-05-12
1514 Bourcier, Ottawa	OT002	Ontario,Canada	45.4742N	75.5019W	84	From 2005-03-24
16, Winslow Court, Ottawa	OT004	Ontario,Canada	45.3644N	75.7746W	78	From 2005-03-24
2758 Massicotte Lane, Ottawa	OT008	Ontario,Canada	45.3496N	75.6418W	80	From 2005-06-29
29 Palms	TN-	California,U.S.A.	34.1983N	115.9500W	533	From 1962-02-01 to 1962-05-03
33rd St Richmond	C024	California,U.S.A.	37.9433N	122.3358W	25	From 2009-08-25
413	BUK	Nevada,U.S.A.	37.0505N	116.1890W	1490	From 1965-01-01 to 1970-12-31
416	LWN	Nevada,U.S.A.	36.6183N	116.3930W	808	From 1970-01-01 to 1999-08-25
42nd Avenue Oakland	C061	California,U.S.A.	37.7779N	122.2097W	18	From 2012-04-12
4D Ranch, Culbertson	O29A	Nebraska,U.S.A.	40.1253N	100.7977W	826	From 2009-05-27 to 2011-04-04
4UR Ranch, Creede	S22A	Colorado,U.S.A.	37.7461N	106.8293W	2626	From 2008-06-15
5 Glenshane	B5GA	Barbados	13.0670N	59.5955W	35	
5 Mile Ranch, Herman	F33A	Minnesota,U.S.A.	45.8398N	96.2929W	313	From 2010-08-22 to 2012-06-07
7 Observatory Cres., Ottawa	OT012	Ontario,Canada	45.3942N	75.7167W	77	From 2001-09-24
959, Brant, Ottawa	OT006	Ontario,Canada	45.4292N	75.6500W	68	From 2006-03-03
9 Mile Ranch, Kaycee	I22A	Wyoming,U.S.A.	43.8924N	106.4840W	1430	From 2008-10-08 to 2010-09-07
A01	A01	Germany	52.2580N	7.3360E	47	
A02	A02	Germany	52.4220N	7.9350E	90	
A04	A04	Germany	52.1880N	8.0810E	140	
A05	A05	Germany	51.9490N	8.6840E	250	
A06	A06	Germany	51.6830N	7.4410E	65	
A07	A07	Germany	51.6960N	8.0100E	85	
A08	A08	Germany	51.6790N	8.9620E	340	
A09	A09	Germany	51.4920N	8.0640E	235	
A10E	A10E	Germany	51.4940N	8.4530E	360	
A11E	A11E	Germany	51.3000N	7.4140E	270	
A12	A12	Germany	51.2450N	7.1990E	325	
A13	A13	Germany	51.1310N	7.1350E	165	
A14	A14	Germany	50.9470N	7.4210E	350	
A15	A15	Germany	50.7500N	7.4490E	155	
A@15sbjarnarstat ir	IASB	Iceland	64.7480N	21.3250W	94	
A16E	A16E	Germany	50.8460N	6.8920E	100	
A17	A17	Germany	50.7680N	6.7230E	130	
A18	A18	Germany	50.5640N	8.0860E	370	
A19	A19	Germany	50.6050N	7.8100E	415	
A20	A20	Germany	50.7020N	8.2260E	380	
A21E	A21E	Germany	50.7750N	8.0400E	330	
A33	A33	Germany	51.9510N	7.4070E	165	
A50	A50	Germany	51.2180N	7.9930E	540	
A51	A51	Germany	51.1130N	7.8890E	300	
A52	A52	Germany	50.9770N	7.7550E	510	
A53	A53	Germany	50.8740N	7.6380E	390	
A54E	A54E	Germany	50.7240N	7.5550E	320	
A70	A70	Germany	50.8390N	6.8850E	115	
A71	A71	Germany	51.0360N	6.4320E	-300	
A72	A72	Germany	51.0050N	6.8200E	-300	
A80	A80	Germany	50.7410N	8.6390E	230	
A82	A82	Germany	51.0510N	9.1760E	225	
A83	A83	Germany	51.4260N	9.6840E	200	
A84	A84	Germany	51.5460N	9.9660E	270	
A85	A85	Germany	50.9160N	8.9430E	220	
Aaga	TANA	Canary Islands	28.5321N	16.2906W	931	From 2016-11-08
Aachen	BA01	Nordrhein-Westfalen,Germany	50.7789N	6.0614E	216	From 2006-10-01
Aachen	AAC	Nordrhein-Westfalen,Germany	50.7833N	6.0833E	179	
Aelo, Neuquen, Argentina	ANEL	Neuquen	38.3477S	68.7874W	485	From 2019-06-30
Aaknes	AKN	Norway	62.1783N	6.9974E	508	From 2009-11-01
anakkale-G¶k§eada	GOAD	Turkey	40.1616N	25.9097E	245	From 2017-12-18
anakkale-Merkez-narl	CNKL	Turkey	40.0662N	26.3872E	109	From 2017-02-07
ankr-Yenice	YENC	Turkey	40.6813N	33.8437E	999	From 2017-12-19
anlurfa/Hilvan/Hanmaara	HANM	Turkey	37.5799N	38.8805E	599	From 2016-12-15
Aarau, neue Kantonsschule, AG	SAARA	Switzerland	47.3861N	8.0438E	407	From 2018-07-30
Aasiaat, Greenland	ASIG	Greenland	68.7060N	52.8710W	60	From 2004-05-11
atalca, STANBUL	CATL	Turkey	41.3407N	28.3561E	375	From 2019-12-05
Abakan	ABNR	Krasnoyarskiy Kray,Russia	53.7250N	91.4350E	125	From 2003-10-29
Abakiliki	ABAKI	Nigeria	6.3909N	8.0246E	82	
Abala	ABAE	Ethiopia	13.3535N	39.7635E	1447	
Abant	ABT	Turkey	40.6058N	31.3208E	1794	From 1991-01-01 to 1993-10-01
Abaselama	ABSE	Eritrea	14.8847N	39.3272E	2392	
Abashiri	ABJ	Abashiri,Japan	44.0150N	144.2830E	38	
Abashiri 2	ABJ2	Abashiri,Japan	43.8417N	143.8700E	180	From 1994-02-10 to 2001-08-03
Abashiri--Tokoro	JTKR	Abashiri,Japan	43.9707N	143.9082E	42	
Abastumani	ABS	Georgia,Georgia	41.7555N	42.8134E	1590	From 1940-01-01
Abaujker	ABAH	Hungary	48.2961N	21.2397E	198	From 2016-10-12
Abbadia di Fiastra (Tolentino)	T0402	Italy	43.2213N	13.4063E	212	
Abbazia di Naro	NARO	Italy	43.6108N	12.5806E	271	From 2011-01-17
Abbeville	254A	Georgia,U.S.A.	31.9457N	83.2905W	78	From 2012-03-14
Abborrasen	ABB	Sweden	57.8450N	12.7860E	239	From 1980-01-01 to 1991-12-31
Abdulvahap	ADVT	Turkey	40.4332N	29.7383E	193	From 2006-05-19
Abeche	ABC	Chad	13.8272N	20.8444E	550	From 1965-01-01 to 1968-06-30
Aberdeen	ABE	Scotland,United Kingdom	57.1667N	2.1000W	12	
Aberfeldy	ABEM	Victoria,Australia	37.7194S	146.3890E	548	
Aberfoyle	EAB	Scotland,United Kingdom	56.1881N	4.3400W	250	From 1969-01-01
Aberstueckl	ABSI	Italy	46.7285N	11.3205E	1801	From 2006-12-13
Abfaltersbach	ABTA	Austria	46.7474N	12.5123E	1041	From 2006-12-13
Abgarm-Qazvin	QABG	Iran	35.7085N	49.5824E	2084	From 2012-04-20
Abha	ABHA	Saudi Arabia	18.2500N	42.7500E	2200	From 1988-11-01
Abi Ad	ADYE	Ethiopia	13.6350N	38.9811E	1860	
Abilene, Hawley	ABTX	Texas,U.S.A.	32.6238N	99.6431W	502	From 2009-02-12
Abington	ABG	Pennsylvania,U.S.A.	40.1167N	75.1333W		
Abisko	ABK	Sweden	68.3417N	18.8167E	385	
Abjat-sur-Bandiat	ABJF	Limousin	45.5738N	0.7610E	269	From 2017-05-01
Aboa	ABOA	Dronning Maud Land	73.0500S	13.4167W	200	From 2007-01-18
Abo Dabab	NADB	Egypt	25.3405N	34.5021E	295	
Abomosa Island	ABIR	Iran	25.8825N	55.0372E	1	From 2019-05-29
Abong Mbang, CM11	ACM11	Cameroon	3.9800N	13.1880E	587	
Abou Kooc	KOOC	Syria	33.6592N	36.7633E	1120	From 1994-12-01
Abou Rabah	RABH	Syria	34.4354N	37.2054E	738	From 1994-12-01
Abra de Ilog	ABP	Mindoro,Philippines	13.4440N	120.7270E		From 1976-02-01 to 1977-05-22
Abri du Galion	ABGF	Guadeloupe,France	16.0323N	61.6603W	1150	
Abries	OG22	Provence-Cote d'Azur,France	44.8227N	6.9452E	1810	
Abriola	ABRE	Italy	40.5008N	15.7601E	1542	
Abrolhos, BA	ABR01	Brazil	17.9646S	38.6959W	38	From 2014-12-13
Absaloka Mine, Hardin	F21A	Montana,U.S.A.	45.8231N	107.1233W	1026	From 2008-08-12 to 2010-08-08
Absolon Red Butte, Lander	K19A	Wyoming,U.S.A.	42.8247N	108.8466W	1878	From 2007-11-08 to 2009-10-07
Abu 'Arish	ABAR	Saudi Arabia	16.9420N	42.9390E	135	From 1996-03-01
Abucay Bataan Peninsula	ABPP	Philippines	14.7410N	120.4510E	300	From 2015-12-01
Abu Hadid	AAHD	Egypt	23.7474N	32.7511E	240	
Abulta/Almeha	ABMD	Ethiopia,Ethiopia	11.8317N	35.5825E	603	From 2014-04-12 to 2017-12-01
Abu Rakah	URD13	Saudi Arabia	27.5432N	37.4791E	1141	
Abu Rakah	URD14	Saudi Arabia	27.4424N	37.7405E	1080	
Abu Rakah	URD04	Saudi Arabia	27.0800N	37.2600E	1138	
Abu Rakah	URD15	Saudi Arabia	27.2505N	37.4540E	1508	
Abu Rakh	BAHS2	Saudi Arabia	20.8690N	41.1920E	100	
Abu Rudays	HRDS	Egypt	28.7120N	33.2975E	260	
Abu-Samra	SMRA	Qatar	24.7453N	50.8239E	0	From 2014-05-06
Abu Simbel	ABUS	Egypt	22.2500N	31.1372E	230	
Abu Simbel	ASL	Egypt	22.3369N	31.6161E		From 1975-10-01
Abuyama	ABU	Osaka,Japan	34.8603N	135.5740E	200	From 1966-07-08
Abymes - Guadeloupe	GABY	Guadeloupe,France	16.2706N	61.5044W	20	From 2005-02-01
Academy	AY-	South Dakota,U.S.A.	43.5278N	99.1083W	610	From 1962-07-14 to 1962-10-05
Academy	AY-SD	South Dakota,U.S.A.	43.5278N	99.1083W	610	From 1962-07-14 to 1962-10-05
Acambaro	ACAM	Mexico	20.0432N	100.7167W	1858	
Acambay	ACIG	Mexico State,Mexico	19.9800N	99.8800W	1546	From 2012-01-01
Acapulco	ACX	Guerrero,Mexico	16.8694N	99.8583W	300	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Acapulco	ACP2	Guerrero,Mexico	16.8743N	99.8865W	167	From 2009-02-16
Acate (RG)	ACATE	Italy	37.0240N	14.5007E	201	From 2019-01-24
Acatlan	ACP	Puebla,Mexico	18.2078N	98.0597W	1250	
Accademia Aeronautica Militare Pozzuoli (NA) Italy	CAAM	Italy	40.8200N	14.1420E	100	From 2011-12-09
Accomac	S61A	Virginia,U.S.A.	37.6804N	75.6727W	58	
Accra	ACRG	Ghana	5.6415N	0.2072W	74	From 2018-10-01
Accumoli (campo sportivo)	MZ103	Italy	42.6959N	13.2418E	875	From 2016-10-12 to 2016-10-31
Accumoli, Frazione Villanova (RI)	T1202	Italy	42.7035N	13.2249E	1250	From 2016-08-24 to 2017-01-22
Accumoli (Madonna delle Coste)	MZ102	Italy	42.7037N	13.2320E	1055	From 2016-10-12 to 2016-10-31
Accumuli	RM31	Italy	42.7023N	13.2331E	1034	From 2009-09-17 to 2010-02-15
Acelergrafo del Angel	AANG	Ecuador	0.6208N	77.9397W	3011	
Acelerografo, Esmeraldas - Quininde	AV18	Ecuador	0.3128N	79.4776W	106	From 2013-07-17
Acelerografo, Esmeraldas - Terminal Martimo	AMA1	Ecuador	0.9346N	79.7245W	233	From 2013-05-08
Acelerografo, Esmeraldas - Viche	AV21	Ecuador	0.6609N	79.5469W	61	From 2013-05-08
Acelerografo, Guayas - Duran	ADUR	Ecuador	2.1594S	79.8421W	6	From 2012-04-04
Acelerografo, Imbabuta - Chontal	ACHO	Ecuador	0.2434N	78.7710W	667	From 2010-12-24
Acelerografo, Manab - Baha Centro Casa Ing. Oswen Crespo	ABH1	Ecuador	0.5984N	80.4246W	9	From 2011-05-19
Acelerografo, Napo - Baeza, Granja Experimental	ABZA	Ecuador	0.4590S	77.8861W	1875	From 2010-12-29
Acelerografo, Napo - El Salado	AV05	Ecuador	0.2026S	77.6879W	1298	From 2013-07-24
Acelerografo, Napo - Santa Rosa de Quijos	AVX7	Ecuador	0.3229S	77.8069W	1513	From 2013-07-24
Acelerografo, Pichincha - Arasha	AARS	Ecuador	0.0958N	79.0987W	524	From 2012-08-20
Acelerografo, Pichincha - Guayllabamba	AV11	Ecuador	0.0727S	78.3714W	2056	From 2014-08-07
Acelerografo, Pichincha - Quininde	APR1	Ecuador	0.0464S	78.6137W	2980	From 2014-08-13
Acelerografo, Sucumbios - Lago Agrio	ALAG	Ecuador	0.0834N	76.8838W	299	From 2010-12-27
Acelerografo, Sucumbios - Lago Agrio	APS1	Ecuador	0.0999N	76.9190W	322	From 2014-08-05
Acelerografo, Sucumbios - Lumbaqui	AV03	Ecuador	0.0504N	77.3181W	485	From 2014-08-05
Acel. Puerto Lumbreras	EXPTO	Spain	37.5490N	1.8173W	460	From 2012-06-21
Acel. Santa Fe	EXSF2	Spain	37.1881N	3.7107W	583	From 2014-01-01
Acel. Totana	EXTOT	Spain	37.7698N	1.4979W	249	From 2013-01-01
Acerenza	ACER	Italy	40.7867N	15.9427E	690	From 2007-07-05
Acheberg	ACHB	Switzerland	47.5876N	8.2543E	470	From 1983-06-01
Achilles Lake	ACKN	Northwest Territories,Canada	64.9915N	110.8708W	467	
Achladochori, N029	N029M	Greece	40.8654N	22.3515E	253	
Achnashellach	KAC	Scotland,United Kingdom	57.4999N	5.2982W	330	From 1983-01-01
Achotines, Los Santos	ACHO3	Panama	7.4150N	80.1730W	19	From 2010-01-01
Achvaich	MVH1	Scotland,United Kingdom	57.9250N	4.1825W	185	From 1984-01-01
Acipayam-Denizli	APMY	Turkey	37.4718N	29.3018E	930	From 2016-05-31
Aci Sant'Antonio	EACI	Sicily,Italy	37.6140N	15.1290E	290	From 1994-10-01
Acomizza, Italy	ACOM	Italy	46.5480N	13.5130E	1788	
Acorn Hollow, Los Molinos	O03C	California,U.S.A.	39.9971N	122.0319W	85	From 2005-04-19 to 2007-09-06
Acosta	ACOS	Costa Rica,Costa Rica	9.7960N	84.1640W	1180	
Acoyapa	ACY	Nicaragua	11.9977N	85.2252W	400	From 1975-01-01
Acoyapa	ACON	Nicaragua	11.9680N	85.1740W	107	
Acquaformosa (CS)	T0702	Italy	39.7209N	16.0835E	882	From 2012-05-25
Acqui Terme	ACQ	Italy	44.6826N	8.4624E	215	From 2012-10-30
Acrocorinthos	ACOR	Greece	37.8902N	22.8692E	437	From 2008-12-29
Acton	ACTO	Ontario,Canada	43.6087N	80.0624W	360	From 1991-07-09
Adagdak	AD8	Alaska,U.S.A.	51.9806N	176.6000W	259	From 1974-01-01 to 1992-02-01
Adait	ADTE	Ethiopia	11.1221N	40.7570E	506	
Adak	ADK	Alaska,U.S.A.	51.8837N	176.6840W	116	From 1966-01-01
Adak	ADA	Alaska,U.S.A.	51.8633N	176.6550W		From 1949-07-01 to 1954-04-30
Adak Island	AD-IS	Alaska,U.S.A.	51.8750N	176.6792W	61	
Adak Island	AD-	Alaska,U.S.A.	51.8750N	176.6792W	61	
Adalicio	ADAL	Patagonia	46.0314S	72.7490W	1158	From 2010-01-01
Adamclisi	ADCR	Romania	44.0882N	27.9657E	161	From 2019-05-15
Adam Dziewonski Observatory, Oak Ridge	HRV	Massachusetts,U.S.A.	42.5064N	71.5583W	200	From 1975-08-01
Adamit	ADI	Israel	33.0789N	35.2250E	470	From 1983-07-01
Adams	ADN	New York,U.S.A.	43.8333N	76.1197W	137	From 1974-11-24 to 1977-07-27
Adamsville	O52A	Ohio,U.S.A.	40.1158N	81.8361W	331	From 2012-08-25
Adams West	AWST	Washington	46.1446N	121.7714W	1158	From 2017-10-18 to 2999-12-12
Adamuz	EADA	Spain	38.1673N	4.5771W	565	
Adana	ADT	Turkey	37.0638N	35.3550E	150	From 1979-12-01 to 1999-08-25
Adana	ADAT	Turkey	37.0623N	35.3550E	150	From 1992-01-01
Adana	AKO	Turkey	37.4615N	35.4460E	450	From 2007-02-13
ADANA	SAIM	Turkey	37.9766N	36.0823E	1028	From 2011-10-19
Adyaman/G¶lba/Ak§akaya	AKCA	Turkey	37.7941N	37.6881E	1067	From 2016-12-14
Adyaman-Kahta-Narince	NARI	Turkey	37.8840N	38.7612E	868	From 2017-03-03
Adyaman-Merkez-ndere	AZEY	Turkey	37.8105N	38.2491E	815	From 2017-03-03
Addanki	ADKI	Andhra Pradesh,India	15.8446N	79.9686E	49	From 2008-09-01
Ad Darb	DRBS	Saudi Arabia	17.8281N	42.3010E	160	
Addlestone Acy	ADSC	South Carolina,U.S.A.	32.8119N	80.0167W	6	
Adeje, Tenerife	CADE	Canary Islands	28.1607N	16.7427W	792	From 2017-03-30
Adel	AOT	Oregon,U.S.A.	42.1665N	119.9033W	1370	
Adeladia	PADM	California,U.S.A.	35.6393N	120.8640W	471	
Adelaida	ADES	El Salvador	13.6583N	89.3583W	1200	From 1991-12-01
Adelaide	ADE	South Australia,Australia	34.9669S	138.7090E	655	From 1958-06-01
Adelanto	ADL	California,U.S.A.	34.5563N	117.4170W	900	From 1975-02-01
Adelanto Receiving Station	ADO	California,U.S.A.	34.5505N	117.4339W	908	From 2000-08-09
Adell	L07A	Oregon,U.S.A.	42.0187N	119.3398W	1816	From 2006-06-09 to 2008-04-17
Aden	ADEN	Yemen	12.7760N	44.9830E	41	From 1994-11-01
ADIBADRI	ABI	Uttar Pradesh,India	30.1520N	79.2084E	1595	From 2007-06-30
Adirondack	RSNY	New York,U.S.A.	44.5483N	74.5300W	396	
Adirondack Community College	ACCN	New York,U.S.A.	43.3843N	73.6678W	340	
Adis Abeba	AAE	Ethiopia	9.0292N	38.7656E	2442	From 1959-03-01
Adit at Lawrence Berkeley Lab, Berkeley, CA	VAK	California,U.S.A.	37.8775N	122.2489W	241	From 2010-08-31 to 3000-12-31
Adjabya	LJBD	Libya	30.9130N	20.1982E	49	
ADJUD	ADJ	Romania	46.0952N	27.1821E	102	From 2008-10-23
Administracion zonal de la Delicia, San Jos Condado, Ponceano, Quito, Ecuador	DELA	Ecuador	0.1131S	78.4950W	2784	From 2016-05-12
Administracin Zonal Eloy Alfaro - Quito	VIFL	Ecuador	0.2486S	78.5251W	2839	
Administracin Zonal Quitumbe - Quito	QUIB	Ecuador	0.2964S	78.5480W	2921	
Adndan	AADN	Egypt	22.1224N	31.5307E	260	
Ado Ale volcano	ALEE	Ethiopia	12.4106N	40.5982E	456	
Adobe Creek	GACM	California,U.S.A.	38.8728N	122.8620W	985	
Adobe Valley	AVC	California,U.S.A.	37.9160N	118.7330W	2225	From 1975-07-01 to 1977-09-30
Adra	ADRA	Spain	36.7893N	3.0487W	0	
Adra	EXAD	Spain	36.7500N	3.0010W	24	
Adria, Italy	ADRI	Italy	45.0378N	12.0167E	1	From 2008-01-26
Adriano, Sevilla	E011	Spain	37.2103N	5.9905W	56	From 2007-09-23 to 2009-06-11
ADRIATIC SEA	ROSPO	Italy	42.2364N	14.9315E	-101	From 2019-09-03
Adventbay Spitsbergen	ADV	Svalbard	78.2217N	15.5958E	42	From 1911-10-27 to 1912-06-18
Aeknabara	AEKI	Sumatera,Indonesia	2.1017N	98.4536E	840	From 1991-01-01
Aeronautique	ZAM	Martinique,France	14.5727N	61.0287W	25	
Aeropuerto Ilopango	AEIL	El Salvador	13.6971N	89.1166W	634	
Aery, Baudette	B34A	Minnesota,U.S.A.	48.4860N	94.6501W	354	From 2010-09-14 to 2012-08-02
Aespoe	ASPU	Sweden	57.4185N	16.5992E	10	From 2005-04-14
AFAR09-11, Teru, TRUE	TRUE2	Ethiopia	12.4812N	40.3148E	378	
AFAR0911 - ZR	KOZE	Ethiopia	12.4948N	40.9850E	541	
AFAR0911 - ZR	IGRE	Ethiopia	12.2526N	40.4612E	668	
AFAR0911 - ZR	LULE	Ethiopia	11.9892N	40.7037E	611	
AFAR0911 - ZR	LAVE	Ethiopia	13.6045N	40.6579E	553	
Afar, BLV	ABLV	Djibouti	11.5732N	42.4947E	283	
Afar, BOY	ABOY	Djibouti	11.5888N	42.5432E	0	
Afareaitu	AFR	Moorea,French Polynesia	17.5383S	149.7780W	50	
Afar, FUR	FURA	Ethiopia	8.8950N	38.6800E	2578	
Afar, GBR	GBRA	Djibouti	11.1520N	42.4600E	615	
Afar, HAM	AHAM	Djibouti	11.5468N	42.5030E	187	
Afar, KIR	AKIR	Djibouti	12.3580N	42.3558E	385	
Afar, MCA	MCAA	Djibouti	11.7268N	43.2085E	5	
Afar, MCS	MCSA	Djibouti	12.3353N	42.3570E	345	
Afar, MOY	AMOY	Djibouti	11.6203N	42.4948E	58	
Afdera	AFME	Ethiopia	13.2040N	40.8585E	-58	
Afiamalu	AFI	Samoa Islands	13.9094S	171.7770W	706	From 1958-04-01
Afif	AFIF	Saudi Arabia	24.1010N	43.1800E	950	From 1990-03-01
`Afif	AFFS	Saudi Arabia	23.9267N	43.0005E	1090	
Afjeh	IAFJ	Iran	35.8560N	51.7125E	2750	From 1996-01-01
AfricaArray - AF	PWET	Democratic Republic of the Congo	8.2800S	28.5300E	948	
AfricaArray - AF	EKNA	Cameroon	4.2340N	9.3280E	354	
AfricaArray - AF	YNDE	Cameroon	3.8700N	11.4560E	717	
AfricaArray - AF	AAUS	Ethiopia	9.0349N	38.7665E	2437	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
AfricaArray - AF	MTVE	Tanzania	10.2500S	40.1670E	21	
AfricaArray - AF, ANKE	ANKE2	Ethiopia	9.5827N	39.7418E	2789	
AfricaArray - AF, DODT	DODT2	Tanzania	6.1860S	35.7480E	1114	
AfricaArray - AF, GRM	GRM2	South Africa	33.3133S	26.5733E	610	
AfricaArray - AF, HARE	HARE2	Zimbabwe	17.7040S	31.0090E	1501	
AfricaArray - AF, KAD	AKAD	Nigeria	10.4305N	7.6403E	679	
AfricaArray - AF, LBB	LBB2	Democratic Republic of the Congo	11.6310S	27.4850E	1283	
AfricaArray - AF, MZM	MZM3	Malawi	11.4340S	34.0350E	1258	
AfricaArray - AF, NSU	ANSU	Nigeria	6.8669N	7.4174E	427	
AfricaArray - AF, SHAI	ASHAI	Ghana	5.8814N	0.0439E	0	
AfricaArray - AF, SWZ	SWZ2	South Africa	27.1817S	25.3250E	1342	
AfricaArray - AF, TEBE	ATEBE	Uganda	0.0536N	32.4830E	1132	
AfricaArray/PSU - ZP	KBLE	Uganda	1.2540S	29.9920E	1876	
AfricaArray/PSU - ZP	MALE	Uganda	1.0700N	34.1670E	1127	
AfricaArray/PSU - ZP	FOPO	Uganda	0.6630N	30.2820E	1535	
AfricaArray/PSU - ZP	JNJA	Uganda	0.4460N	33.1820E	1133	
AfricaArray/PSU - ZP	PIGI	Uganda	0.2310N	32.3190E	1252	
AfricaArray/PSU - ZP	BUTI	Uganda	1.8190N	31.3260E	623	
AfricaArray/PSU - ZP	SULU	Tanzania	4.5730S	30.0870E	1359	
AfricaArray/PSU - ZP	KATE	Uganda	0.1380S	29.8710E	950	
AfricaArray/PSU - ZP	ROTI	Uganda	1.6260N	33.6000E	1108	
AfricaArray/PSU - ZP	SAKA	Uganda	0.3150S	31.7370E	1263	
AfricaArray/PSU - ZP	KIBO	Tanzania	3.5830S	30.7130E	1485	
AfricaArray SE Tanzania Basin Experiment - YH	MTWA	Tanzania	10.2776S	40.1940E	32	
AfricaArray SE Tanzania Basin Experiment - YH	KIMA	Tanzania	8.9199S	39.5141E	7	
AfricaArray SE Tanzania Basin Experiment - YH	WALE	Tanzania	9.7896S	37.9170E	507	
AfricaArray SE Tanzania Basin Experiment - YH	MANG	Tanzania	7.1981S	38.7733E	366	
AfricaArray SE Tanzania Basin Experiment - YH	MOHO	Tanzania	8.1426S	39.1832E	4	
AfricaArray SE Tanzania Basin Experiment - YH	CHAL	Tanzania	6.6403S	38.3670E	219	
AfricaArraySE Tanzania Basin Experiment - YH, INDI	AINDI	Tanzania	10.0167S	39.7149E	14	
Africa Array SE Tanzania Basin Experiment, ZH	IFAK	Tanzania	8.1397S	36.6828E	251	
AfricaArray-Uganda/Tanzania - ZP	LWNG	Zambia	10.2498S	29.9210E	1455	
AfricaArray-Uganda/Tanzania - ZP	MUFZ	Zambia	13.1442S	25.0213E	1189	
AfricaArray-Uganda/Tanzania - ZP	KISH	Zambia	12.0219S	29.6123E	1132	
AfricaArray-Uganda/Tanzania - ZP	MWEN	Zambia	10.0582S	28.7017E	995	
AfricaArray-Uganda/Tanzania - ZP	MPIK	Zambia	11.8210S	31.4517E	1392	
AfricaArray-Uganda/Tanzania - ZP	MKUS	Zambia	13.6035S	29.3791E	1250	
AfricaArray-Uganda/Tanzania - ZP	SERJ	Zambia	13.2275S	30.2150E	1388	
AfricaArray-Uganda/Tanzania - ZP	KISZ	Zambia	12.1116S	25.4952E	1358	
AfricaArray-Uganda/Tanzania - ZP	KASM	Zambia	10.2174S	31.1401E	1386	
AfricaArray-Uganda/Tanzania - ZP	GABZ	Zambia	12.1710S	26.3670E	1393	
AfricaArray-Uganda/Tanzania - ZP	SHWG	Zambia	11.1925S	31.7397E	1211	
AfricaArray-Uganda/Tanzania - ZP, CHAM	ACHAM	Zambia	10.9505S	31.0691E	1211	
AfricaArray-Uganda/Tanzania - ZP, KAMZ	AKAMZ	Zambia	14.7948S	24.8044E	1161	
AfricaArray-Uganda/Tanzania - ZP, MANS	AMANS	Zambia	11.1400S	28.8749E	1259	
AfricaArray - ZP, BEND	ABEND	Uganda	0.5810N	31.3920E	1351	
AfricaArray - ZP, CHIM	ACHIM	Tanzania	8.8263S	34.0284E	1100	
AfricaArray - ZP, MAKA	AMAKA	Tanzania	8.8465S	34.8302E	1685	
AfricaArray - ZP, MAUS	MAUS2	Tanzania	2.7410S	36.7040E	1334	
AfricaArray - ZP, MIKU	AMIKU	Tanzania	7.4035S	36.9902E	518	
AfricaArray - ZP, MKRE	AMKRE	Tanzania	4.2820S	30.4240E	1175	
Afriz	AFRZ	Iran	33.4252N	59.0150E	1449	From 2013-11-10
Afar-Bala (Ankara)	AFSR	Turkey	39.4468N	33.0707E	1055	From 2008-09-05
Aftenstjerne Lake, Greenland	ASSG	Greenland	82.1762N	38.1082W	318	From 2004-07-24
Afyon-Bayat	BYAT	Turkey	38.9469N	30.9831E	1164	From 2018-05-24
Afyon-Bolvadin-Kurucuova	KURO	Turkey	38.7340N	30.9336E	1198	From 2017-02-06
Afyon-Dinar-Knk	AFYN	Turkey	38.2714N	30.5027E	1233	From 2018-01-01
Afyonkarahisar	AFYO	Turkey	38.7871N	30.2988E	1081	From 2013-02-20
Afyonkarahisar-Sultanda-§kuyu	UCKU	Turkey	38.6357N	31.4253E	1141	From 2017-12-15
AFYON_Kizioren	KZIL	Turkey	38.2575N	30.1412E	1202	From 2011-09-26
Agadir Fac de Sc.	AFS	Morocco	30.4200N	9.5000W	75	From 2001-06-02
Agadir Oufela	AOF	Morocco	30.4400N	9.5600W	90	From 2001-06-02
Agalyk	AGL	Uzbekistan	39.5171N	66.8803E	871	From 1905-05-16
Ag. Anna	S020	Greece	38.3180N	22.9100E	753	
AGAPE Sonsonate	SONS	El Salvador	13.7362N	89.7103W	302	
Agarn, Football field, VS	AGA01	Switzerland	46.2991N	7.6693E	619	From 2018-07-13
Agartala	AGT	Tripura,India	23.8833N	91.2500E	17	
Agas	AASA	Salta,Argentina	24.7977S	65.4038W	1180	From 1978-05-26
Agassiz Lake	AGAM	Alaska,U.S.A.	60.1542N	141.0330W	1024	
Agassiz National Wildlife Refuge	AGMN	Minnesota,U.S.A.	48.2978N	95.8619W	351	From 2006-09-20
Agave Hill	AGAC	California,U.S.A.	33.6384N	116.4011W	809	
Agdam	AGDM	Azerbaijan	40.1083N	47.1083E	500	From 2013-10-13
Agenahambo	AGE	Papua New Guinea	8.8136S	148.0990E	303	From 1963-08-01 to 1972-12-31
Aggia Anna	VAG	Greece	38.3161N	22.9003E	760	From 1982-10-01
Agha	AGYR	Russia	44.1480N	39.0370E	0	
Aghdareh	HAGD	Iran	34.8220N	49.1397E	2120	From 2011-04-01
AGIA	AGIA	Assam,India	26.0663N	90.4642E	75	From 2012-01-01
Agia Marina, Milos Island	MHLO	Greece	36.6898N	24.4017E	174	From 2010-06-04
Agia Thekli	AGT1	Greece	38.2505N	20.3840E	82	From 2014-02-11
Agillar	DAGI	Turkey	41.0778N	41.9142E	1188	From 2007-09-25
Agin	AGN	Turkey	38.9483N	38.7154E	914	From 1973-09-20
Agioi Theodoroi,Methana,Greece	MET4	Greece	37.6228N	23.3996E	102	From 2019-02-13
Agios Charalampos	AXAR	Greece	38.7664N	22.6590E	406	From 2008-04-01
Agios Efstratios	EFSA	Greece	39.5402N	24.9886E	12	From 2010-05-27
Agios Georgios	AGG	Greece	39.0222N	22.3303E	540	From 1989-04-01
AgiosGiorgios, Aigialia, West Greece	AGEO	Greece	38.2649N	22.0635E	-118	From 2000-05-15
Agios Ioannis, Aigialia, West Greece	AIOA	Greece	38.1939N	22.0587E	68	From 2000-05-15
Agios-Kirikos-Ikarias	IKRA	Greece	37.6112N	26.2928E	30	
Agios Nikolaos	AGN1	Crete,Greece	35.1879N	25.7155E	9	From 2011-09-01
Agios Nikolaos	AGNA	Greece	35.1895N	25.7185E	15	
Agios Nikolaos Laconias	ANS1	Greece	36.4766N	23.1015E	80	From 2012-01-31
Agios Nikonas	DYR	Greece	36.7622N	22.3337E	426	From 2008-07-01
Agira	CAGR	Sicily,Italy	37.6220N	14.4999E	548	From 2010-05-21
Ag. Konstantinos	S040	Greece	37.7220N	24.0090E	206	
Aglientu	AGLI	Sardinia	41.1269N	9.1733E	179	From 2017-03-20
Ag. Marina, N001	N001M	Greece	39.4692N	20.3119E	251	
Agnone	AGNN	Italy	41.8080N	14.3706E	808	From 2019-05-21
Agolada(Pontevedra)	EAGO	Spain	42.8027N	8.0892W	500	From 2010-03-24
Agordo	AGOR	Italy	46.2829N	12.0472E	631	From 2007-06-08
Agoura	AGOC	California,U.S.A.	34.1465N	118.7670W	259	
Agra	AGRA	Uttar Pradesh,India	27.2305N	77.9438E	0	
Agra	AGR	Uttar Pradesh,India	27.1333N	78.0167E	163	
Agrapidokambos, Nafpaktia, West Greece	AGRP	Greece	38.3959N	21.7228E	281	From 2012-06-20
Agr/Tutak/Dorukdibi	DORK	Turkey	39.3872N	42.7802E	1714	From 2017-11-09
Agrelo	AAGR	Mendoza,Argentina	33.0852S	68.8284W	1159	
Agri	AGRT	Turkey	39.6088N	42.9870E	1440	From 1997-08-26 to 2006-11-21
Agrihan Island	AGRI	Mariana Islands	18.7331N	145.6530E	25	From 1994-04-23
Agri, Merkez-Kocatas	KOTA	Turkey	39.8022N	43.2058E	1822	From 2014-12-05
Agrinio	AGR2	Greece	38.6319N	21.4136E	97	From 2012-10-15
Agrinion	AGR3	Greece	38.5893N	21.4162E	100	From 2013-01-31
Agron	EXAGR	Spain	37.0303N	3.8347W	1058	
Agron	ERON	Spain	37.0185N	3.8058W	1304	From 1994-03-01
Aguacate	CHGR2	Panama	8.9380N	82.1443W	270	
Aguachica	AGCC	Colombia	8.5121N	73.5850W	457	From 2014-02-14
Agua Clara, Sierra Llorona en Colsn	ACLA	Panama	9.3650N	79.7065W	460	From 2004-10-01
Aguadilla	AGP	Puerto Rico	18.4075N	67.1410W	220	
Aguadilla, PR	AGPR	Puerto Rico	18.4675N	67.1112W	117	From 2004-10-01
Agua Dulce, PCH	PCHMX	Baja California	31.5405N	116.6388W	33	
Agualva	AGA	Azores,Portugal	38.7845N	27.1732W	80	From 1981-05-16 to 2000-05-17
Agualva, Azores	PAGU	Azores	38.7673N	27.1843W	250	From 2014-11-05
Aguas Belas	AGBLB	Pernambuco,Brazil	9.0387S	37.0454W	448	
Aguascalientes	AGX	Aguascalientes,Mexico	21.8787N	102.3010W		From 1988-01-01
Aguas Calientes	AGUN	Nicaragua	12.6667N	86.8367W	300	
Aguas Claras	ACAL	Costa Rica	10.6340N	85.0350W	767	
Aguas Claras	CLARA	Costa Rica,Costa Rica	10.7845N	85.1753W	536	
Aguilas, Murcia	EXAGI	Spain	37.4138N	1.5917W	23	From 2015-01-01
Aguni-jima	JAGN	Ryukyu Islands,Japan	26.5888N	127.2422E	12	
Aguscalientes	AAIG	Aguascalientes	21.9685N	102.3802W	1944	From 2014-04-04
Agustn Codazzi, Colombia	CODC	Colombia	9.9350N	73.4442W	108	From 2011-07-24

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Ahar	AHAR	Iran	38.4895N	47.0513E	1413	
Ahir Dag	KAHT	Turkey	37.6307N	36.8734E	1830	From 2003-11-05
Ahlen	BAHL	Nordrhein-Westfalen,Germany	51.7369N	7.8217E	92	
AHRAM	AHBU	Iran	28.8640N	51.2950E	80	From 2010-06-02
Ahram - Rada'a city Al-Baydha Gov. - Yemen	RADA	Yemen	14.4390N	44.8530E	2353	From 2001-09-22
Ahua	AHA	Hawaii,U.S.A.	19.3733N	155.2650W	1070	From 1958-01-01
Ahuacatlan	ANIG	Nayarit,Mexico	21.0538N	104.5207W	1009	From 2006-09-30
Ahuachapan	AHU	El Salvador	13.9217N	89.8458W	810	
Ahwaz	AHWZ	Iran	31.3300N	48.6438E	19	From 2010-04-27
Ai-Ais	AIAI	Namibia	27.9156S	17.4913E	967	
Aiani, KOZANI	AIA1	Greece	40.1641N	21.8202E	460	From 2013-07-15
Aibetsu	AIB	Kamikawa,Japan	43.9067N	142.6461E	260	
Aicho	AICH	Tanzania,United Republic of Tanzania	3.6863S	35.5375E	992	
Aida	JAD	Okayama,Japan	34.9403N	134.1680E	170	
Aidipsos	S034	Greece	38.8810N	23.0500E	126	
Aidipsos	AIDA	Greece	38.8544N	23.0496E	15	
Aidlin Power Plant 1	AL1	California,U.S.A.	38.8382N	122.8835W	704	
Aidlin Power Plant 2	AL2	California,U.S.A.	38.8160N	122.8980W	657	
Aidlin Power Plant 3	AL3	California,U.S.A.	38.8275N	122.8569W	781	
Aidlin Power Plant 4	AL4	California,U.S.A.	38.8386N	122.8355W	661	
Aidlin Power Plant 6	AL6	California,U.S.A.	38.8000N	122.8613W	749	
Aigio	AIG2	Greece	38.2418N	22.0724E	123	From 2011-10-01
Aigion	AIG3	Greece	38.2558N	22.1045E	51	From 2013-06-07 to 2013-09-15
Aigion	AIG4	Greece	38.2544N	22.0750E	41	From 2013-06-07 to 2013-09-15
Aigion	AIG1	Greece	38.2096N	22.1408E	61	From 2013-06-06 to 2013-09-15
Aigle	AIGLE	Switzerland	46.3416N	6.9534E	800	From 1998-09-01
Aigle Rue de la Gare	SAIG	Switzerland	46.3168N	6.9667E	410	From 2012-02-01
Aigu	OGAUY	Uruguay	34.3333S	54.7122W	257	From 2013-03-22
Aigurande	NE08	Centre,France	46.4200N	1.7300E	360	From 1982-11-01 to 1984-12-31
Aikawa	AIK	Niigata,Japan	38.0217N	138.2433E	35	
Ailbek	ABKT	Turkmenistan	37.9304N	58.1189E	678	
Ainahou	AIN	Hawaii,U.S.A.	19.3720N	155.4580W	1524	From 1973-04-26
Ain Deheb	EADEB	Algeria	34.8581N	1.5612E	1195	
Ain Djasser	CJSR	Algeria,Algeria	35.8619N	5.9481E	993	
'Ain El Ouahch	CAEH	Algeria	36.7800N	6.8500E	383	
Ain Fares	AFRS	Algeria,Algeria	34.7237N	4.4508E	749	
'Ain N'Sour	EANR	Algeria	35.9500N	1.1000E	727	
Ain Sidi Ali	EASA	Algeria,Algeria	34.1521N	1.5437E	1342	
Ain Smara	CASM	Algeria	36.2600N	6.4900E	680	
Ain Tagrout	CAZD	Algeria,Algeria	36.1750N	5.1573E	922	
Ainzon	NE11	Spain	41.8140N	1.5170W	440	From 1983-01-01 to 2001-07-28
Aioi	JAI	Tokushima,Japan	33.7923N	134.4515E	165	
Aiquile	AOEA	Bolivia	18.1806S	65.2330W	2472	From 2017-10-01
AIROLA	AIR06	Italy	41.0652N	14.5551E	388	From 2014-01-10
Airport Hangar	APH	New York,U.S.A.	43.8413N	74.4970W	564	From 1974-07-01 to 1983-10-31
Airport Road	AARM	California,U.S.A.	39.2762N	121.0250W	930	From 1976-07-20
Aisen	TS2	Chile	45.3748S	73.0350W	35	
Aisen	TS1	Chile	45.4585S	72.8232W	42	
Aisen	TS5	Chile	45.3217S	73.0883W	35	
Aisen	TS4	Chile	45.3720S	73.1268W	2	
Aisen	TS6	Chile	45.3950S	73.0060W	5	
Aisen	TS3	Chile	45.4077S	73.0662W	5	
Aishikik Lake	N30M	Yukon Territory,Canada	61.4593N	137.0885W	941	From 2016-05-01
Aitana	WAIT	Spain	38.6495N	0.2635W	1558	From 2018-02-01
Aitape	AITP	Papua New Guinea	3.1384S	142.3489E	2	
Ait Ouarda	AIT	Morocco	32.1100N	6.5110W		From 1980-06-01
Aizawl	AZL	Mizoram,India	23.7384N	92.6897E	969	
Aizu	AID	Fukushima,Japan	37.5667N	140.1170E	526	
AIZWAL	AIZW	Mizoram,India	23.7384N	92.6897E	969	From 2011-05-01
Ajaccio	AJAF	Corse,France	41.9833N	8.7302E	210	From 1991-12-03
Ajai Ranch	AJAR	Arizona,U.S.A.	34.8860N	110.5720W	1622	
Ajban	AJN	Abu Dhabi,United Arab Emirates	24.5626N	54.9865E	67	
Ajiro2	AJI	Shizuoka,Japan	35.0450N	139.0918E	59	
Ajlon	AJLJ	Jordan	32.3270N	35.7270E	1175	
Ajmer	AJM	Rajasthan,India	26.4792N	74.6431E	540	
Ajmer	AJMR	Rajasthan,India	26.4791N	74.6432E	540	
Akaike	JFA	Fukuoka,Japan	33.7120N	130.7952E	130	
Akama	AKM	Fukuoka,Japan	33.8122N	130.5972E	60	
Akamas	AKMC	Cyprus	35.0270N	32.3300E	416	From 1998-11-16 to 2013-07-31
Akamas	AKMS	Cyprus	35.0180N	32.3350E	346	From 2013-07-01
Akaroa Harbour	AKCZ	South Island,New Zealand	43.8721S	172.9098E	374	From 2012-03-01
Akaszto	PKB2	Hungary	46.6744N	19.2419E	-58	From 2016-03-01
Akbulak array	ABKAR	Kazakhstan	49.2556N	59.9431E	243	From 2003-10-27
Akbulak array site	AB08	Kazakhstan	49.2387N	59.9280E	243	From 2003-10-27
Akbulak array site	AB31	Kazakhstan	49.2556N	59.9431E	243	From 2003-10-27
Akbulak array site	AB01	Kazakhstan	49.2556N	59.9431E	243	From 2003-10-27
Akbulak array site	AB06	Kazakhstan	49.2611N	59.9693E	237	From 2003-10-27
Akbulak array site	AB04	Kazakhstan	49.2578N	59.9371E	249	From 2003-10-27
Akbulak array site	AB05	Kazakhstan	49.2736N	59.9431E	244	From 2003-10-27
Akbulak array site	AB02	Kazakhstan	49.2591N	59.9466E	241	From 2003-10-27
Akbulak array site	AB09	Kazakhstan	49.2614N	59.9181E	238	From 2003-10-27
Akbulak array site	AB07	Kazakhstan	49.2410N	59.9593E	235	From 2003-10-27
Akbulak array site	AB03	Kazakhstan	49.2511N	59.9431E	243	From 2003-10-27
Akcadag	AKCD	Turkey	38.2956N	37.9224E	1376	From 2007-06-05
Akcakoca	AKC	Turkey	40.0244N	31.1808E	150	From 1979-12-01 to 1999-08-25
Akdag	AKDA	Turkey	40.1035N	41.3636E	1883	From 2012-11-08
Akdamar-Van	AKDM	Turkey	38.3285N	42.9800E	1662	From 2012-11-29
Akdeniz- Kıbrıs	AKDN	Cyprus	35.2977N	32.9677E	90	From 2008-11-19
Akesta	AKEE	Ethiopia	10.8883N	39.1680E	3235	
Akfadou	AKF	Algeria	36.6333N	4.5667E	1545	
Akhalkalaki	AKH	Georgia,Georgia	41.4100N	43.4928E	1708	From 1950-01-01
Akhelmad	IAKL	Iran	36.6022N	58.7566E	2508	From 1997-03-01
Akhisar	AKHS	Turkey	38.8788N	27.8138E	370	From 2006-07-13
Akhisar	AKS	Turkey	38.8790N	27.8130E	370	
Akhmetovskaya	AHMR	Krasnodarskiy Kray	44.1576N	41.0440E	640	From 2012-10-19 to 2017-11-09
Akhty	AKT	Dagestan,Russia	41.4800N	47.7300E	1200	
Akhuzat Shoshana	BLVR	Israel	32.5900N	35.5300E	140	From 1988-04-26 to 1989-05-07
Akıncılar- Kıbrıs	AKIN	Cyprus	35.0153N	33.4661E	230	From 2008-11-18
Akirkeby	BSD*	Denmark	55.1139N	14.9147E	88	From 1981-11-03
Akita	AKI1	Akita,Japan	39.7150N	140.1033E	2	From 1989-11-01
Akita	AKI	Akita,Japan	39.7183N	140.1017E	10	
Akita 2	AKIJ	Akita,Japan	39.7350N	140.1417E	65	From 1990-04-25
Akitakoma	KOMT	Akita,Japan	39.7800N	140.7700E	680	
Akkeshi	JAK	Abashiri,Japan	42.9962N	144.6965E	20	
Akkeshi	AKK	Kushiro,Japan	43.0171N	144.8423E	80	From 1976-07-01
Akkus	AKKT	Turkey	40.7844N	37.0136E	1593	From 1992-01-01 to 1994-06-30
Akkuyli	AKUL	Tajikistan	38.4300N	68.5800E		
Akkuyu-Mersin	AKKU	Turkey	36.1587N	33.5508E	144	From 2011-07-01 to 2019-07-30
Akkuyu-Mersin	AKK2	Turkey	36.1373N	33.5486E	1	From 2011-07-01
Akkuyu-Mersin	AKK1	Turkey	36.1435N	33.5405E	4	From 2011-07-01
AKL	AKLM	Morocco	34.5100N	3.8630W	870	
Akola	AKL	Maharashtra,India	20.7028N	77.0153E	310	
Akosombo	AKGH	Ghana	6.2433N	0.0403E	377	From 1987-01-01
Akosombo Dam	AKOS	Ghana	6.2984N	0.0681E	217	
Akrata	AKR1	Greece	38.1536N	22.3133E	137	From 2012-09-01
AKSARAY - Altinkaya	AKSY	Turkey	38.6497N	33.7607E	973	From 2011-03-16
AK-SAY(Kyrgyzstan)	ASAI	Kyrgyzstan	40.9178N	76.5210E	3021	From 2009-07-29
Aktash	AKAR	Altayskiy Kray,Russia	50.3200N	87.6200E	1380	
Aktobe	AKB	Kazakhstan	50.2600N	58.1000E		
Aktoprak	AKTT	Turkey	37.4860N	34.4680E	1550	From 1993-01-01
Aktyubinsk	AKTO	Kazakhstan	50.4348N	58.0164E	314	From 2005-07-20
Aktyubinsk	AKTK	Kazakhstan	50.4348N	58.0164E	379	From 1994-10-01 to 2005-07-20
AKTYUBINSK INFRASONIC ARRAY REFERENCE POINT	I31KZ	Kazakhstan	50.4070N	58.0348E	369	From 2006-05-11
Akulivik	AKVQ	Quebec,Canada	60.8080N	78.1912W	17	From 2006-09-15
Akureyri	AKU	Iceland	65.6867N	18.1067W	24	From 1964-07-31 to 2002-11-30
Akureyri	AKU-	Iceland	65.6717N	18.1000W		
Akutan	AKA	Alaska,U.S.A.	54.1358N	165.7700W	12	
Akutan	AKUT	Alaska,U.S.A.	54.1352N	165.7719W	19	
Akutan 1	AKA1	Alaska,U.S.A.	54.1358N	165.7700W	12	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Akutan 2	AKA2	Alaska,U.S.A.	54.1242N	165.7783W	90	From 1996-08-01 to 2004-01-14
Akutan 4	AKA4	Alaska,U.S.A.	54.1100N	165.7317W	135	From 1996-08-01 to 2004-01-14
Akutan 5	AKA5	Alaska,U.S.A.	54.1552N	165.8650W	225	From 1996-08-01 to 2004-01-14
Akutan Broad B.	AKBBA	Alaska,U.S.A.	54.0984N	165.9318W	310	
Akutan Green Grass	AKGG	Alaska,U.S.A.	54.1988N	165.9916W	326	
Akutan Harbor	AHB	Alaska,U.S.A.	54.1153N	165.8157W	447	
Akutan Long Valley	AKLV	Alaska,U.S.A.	54.1627N	165.9556W	551	
Akutan Morgan	AKMO	Alaska,U.S.A.	54.0912N	166.0106W	277	
Akutan Reef Bight	AKRB	Alaska,U.S.A.	54.1301N	166.0687W	334	
Akutan Spr's Bay	HSB	Alaska,U.S.A.	54.1868N	165.9124W	497	
Akutan Strait	AKSA	Alaska,U.S.A.	54.1358N	165.6967W	213	
Akutan Volcano	AKV	Alaska,U.S.A.	54.1262N	165.9627W	863	
Akutan Zero	ZRO	Alaska,U.S.A.	54.0916N	165.9780W	446	
Akyaka	EAK	Turkey	40.6862N	43.6069E	1613	From 2009-10-01
Akyazi	AKY	Turkey	40.6630N	30.6594E	110	From 1979-01-01 to 1999-08-25
Ala-Archa	AAK	Kyrgyzstan	42.6375N	74.4942E	1633	From 1990-09-01
Alabaster Cavern State Park	ACO	Oklahoma,U.S.A.	36.6986N	99.1461W	597	From 1977-06-22
Alagyaz	ALGS	Armenia	40.6800N	44.2867E	2050	
Alaid	ALID	Kamchatskaya Oblast',Russia	50.8690N	155.5500E	1400	From 2000-04-01
Alailelai Boma	PR52	Tanzania	2.9593S	35.7024E	2420	From 2013-01-21 to 2014-12-05
Al Ain	ALNE	United Arab Emirates	24.0561N	55.7509E	342	
Al Amaaer	HIL01	Saudi Arabia	25.8290N	41.9863E	834	
Alamagan	ALMG	Mariana Islands	17.6010N	145.8380E	490	From 1991-01-01
Alamo	ALA	Nevada,U.S.A.	37.2417N	115.1150W		From 1971-01-01 to 1973-04-30
Alamocita Creek, Datil	X21A	New Mexico,U.S.A.	34.4457N	107.7857W	2141	From 2008-02-09 to 2009-12-04
ALAMOR	LAMO	Ecuador	4.0140S	80.0189W	1382	From 2016-08-02
Alamut, Qazvin	QALM	Iran	36.4320N	50.6465E	2211	From 2012-04-20
Al Anba	URD07	Saudi Arabia	27.6900N	36.6000E	1517	
Aland	AAL	Finland	60.1780N	19.9936E	10	From 2004-04-15
Alanya-ANTALYA	ALAN	Turkey	36.5570N	32.0327E	215	From 2012-10-17
Al Areen	BEE	Bahrain	26.0167N	50.5217E		
Al Aritein	ARTJ	Jordan	32.2467N	36.8283E	1058	From 1987-02-23
Al Arnab	ARNB	Syria	35.8608N	35.9722E	930	From 1995-11-01
Alasht	IALA	Iran	36.0829N	52.8099E	2600	From 2000-08-01
Al Ashush, Dubai	ASUD	United Arab Emirates	24.6260N	55.3292E	132	From 2006-09-19
Alassa	ALAS	Libya	32.8425N	11.6138E	73	
Alat	ALTU	Uzbekistan	39.4500N	63.8500E	191	
Alatna River	F21K	Alaska,U.S.A.	67.2221N	153.4830W	597	From 2016-06-20
Alaus, Posada N	ALAU	Ecuador	2.2061S	78.8483W	2763	From 2012-07-18
Al `Ayyat	AYT	Egypt	29.7044N	31.1529E	145	
Al Bad`	BADA	Saudi Arabia	28.5660N	34.9620E	495	From 1986-01-01
Al Bad`	BDAS	Saudi Arabia	28.4300N	35.1000E	530	
Albannette	OG18	Rhone-Alpes,France	45.1932N	6.4290E	1455	From 1990-12-04
Albanya	ALBA	Spain	42.3128N	2.7235E	400	
Al Bayda'	BDHA	Yemen	13.9750N	45.5670E	2000	From 1994-11-01
Albemarle	AE-	North Carolina,U.S.A.	35.4336N	80.0597W	183	From 1966-12-16 to 1966-12-20
Albemarle	AE-NC	North Carolina,U.S.A.	35.4336N	80.0597W	183	From 1966-12-16 to 1966-12-20
Alberni	ALB	British Columbia,Canada	49.2717N	124.8300W	25	From 1951-01-01
Albert Glenn Thornton	X60A	North Carolina,U.S.A.	34.5773N	77.9768W	12	From 2013-03-10
Alberton, Johannesburg	ALBD	South Africa	26.2596S	28.1391E	1585	From 2010-03-19
Alberton, Montana	ALMT	Montana,U.S.A.	47.0300N	114.4440W	1696	From 2006-10-20
Al Beshri	BSHR	Syria	35.6685N	39.8185E	852	From 2002-04-01
ALBI	ALB1	Italia	39.0238N	16.5974E	748	From 2020-02-13
Albida	BIDA	Syria	35.0138N	36.3212E	930	From 1995-11-01
Al Birk	BRK04	Saudi Arabia	18.6300N	41.8144E	64	
Al Birk	BRK03	Saudi Arabia	18.1774N	41.8956E	100	
Al Birk	BRK01	Saudi Arabia	18.2653N	41.5629E	65	
Al Birk	BRK02	Saudi Arabia	17.9600N	41.8250E	61	
Alboran	EALB	Spain	35.9399N	3.0343W	20	
Alboran Island OBS	ALBO	Spain	35.9318N	3.0188W	-45	From 2009-10-03
Alborean Sea OBS, OB01	OA01	Alborean Sea	35.9805N	2.4012W	-1375	
Alborean Sea OBS, OB02	OA02	Alborean Sea	36.1215N	2.4017W	-1876	
Alborean Sea OBS, OB03	OA03	Alborean Sea	36.2017N	2.6018W	-1829	
Alborean Sea OBS, OB04	OA04	Alborean Sea	36.0902N	2.5970W	-1845	
Alborean Sea OBS, OB05	OA05	Alborean Sea	36.1598N	2.7968W	-1795	
Alborean Sea OBS, OB06	OA06	Alborean Sea	35.9615N	2.6015W	-1171	
Alborean Sea OBS, OB07	OA07	Alborean Sea	35.9002N	2.7968W	-1138	
Alborean Sea OBS, OB08	OA08	Alborean Sea	35.8215N	3.0015W	-1091	
Alborean Sea OBS, OB09	OA09	Alborean Sea	35.7202N	3.1767W	-1031	
Alborean Sea OBS, OB10	OA10	Alborean Sea	35.6300N	3.2913W	-1139	
Alborean Sea OBS, OB11	OA11	Alborean Sea	35.5402N	3.4858W	-1100	
Alborean Sea OBS, OB12	OA12	Alborean Sea	35.6298N	3.4852W	-986	
Alborean Sea OBS, OB13	OA13	Alborean Sea	35.6797N	3.8960W	-1386	
Alborean Sea OBS, OB14	OA14	Alborean Sea	35.7298N	3.7063W	-1321	
Alborean Sea OBS, OB15	OA15	Alborean Sea	35.8502N	3.6063W	-1478	
Alborean Sea OBS, OB16	OA16	Alborean Sea	35.9102N	3.4073W	-1119	
Alborean Sea OBS, OB17	OA17	Alborean Sea	35.9700N	3.2472W	-1335	
Alborean Sea OBS, OB18	OA18	Alborean Sea	36.0502N	3.3768W	-1082	
Alborean Sea OBS, OB19	OA19	Alborean Sea	36.0902N	3.1972W	-1222	
Alborean Sea OBS, OB20	OA20	Alborean Sea	36.1017N	3.0033W	-1713	
Alborean Sea OBS, OB21	OA21	Alborean Sea	36.3202N	2.9808W	-1010	
Alborean Sea OBS, OB22	OA22	Alborean Sea	36.4200N	3.1203W	-917	
Alborean Sea OBS, OB23	OA23	Alborean Sea	36.3800N	3.3602W	-907	
Alborean Sea OBS, OB24	OA24	Alborean Sea	36.2400N	3.2402W	-866	
Alborean Sea OBS, OB25	OA25	Alborean Sea	35.9198N	3.8565W	-1388	
Alborean Sea OBS, OB26	OA26	Alborean Sea	35.9200N	4.1063W	-1367	
Alborean Sea OBS, OB27	OA27	Alborean Sea	36.1302N	4.3558W	-1195	
Alborean Sea OBS, OB28	OA28	Alborean Sea	35.9207N	4.3563W	-1355	
Alborean Sea OBS, OB29	OA29	Alborean Sea	35.9203N	4.6063W	-1165	
Alborean Sea OBS, OB30	OA30	Alborean Sea	35.7303N	4.3570W	-1483	
Albstadt-Ebingen	EBIN	Baden-Wurttemberg	48.2084N	9.0317E	715	From 2016-12-01
Albstadt-Onstmettingen	ONST	Baden-Wurttemberg	48.2833N	8.9986E	799	From 2016-12-01
Al Budayyi	BBU	Bahrain	26.2150N	50.4567E		From 1986-01-01
Albudeite (Murcia)	E001A	Spain	38.0172N	1.3933W	275	From 2018-01-11 to 2018-06-26
Albufeira	PALBU	Portugal	37.0958N	8.2484W	11	From 2015-07-18
Albunol	EXAL	Spain	36.7910N	3.2030W	286	
Albuquerque	ALQ	New Mexico,U.S.A.	34.9425N	106.4575W	1849	
Albuquerque	W22A	New Mexico,U.S.A.	35.0719N	106.8674W	1813	From 2008-01-09 to 2010-02-07
Albuquerque	ABQ	New Mexico,U.S.A.	34.9425N	106.4570W	1849	From 1974-01-01
Albuquerque	ANMO	New Mexico,U.S.A.	34.9459N	106.4572W	1820	From 1974-08-01
Alcalda de Jiquilisco	ALJI	El Salvador	13.3269N	88.5705W	52	
Alcalda de La Libertad	LALI	El Salvador	13.4884N	89.3209W	18	
Alcalda de San Francisco Gotera	FAGO	El Salvador	13.6952N	88.1065W	254	
Alcalda de San Juan Tepezonte	SJTE	El Salvador	13.6142N	89.0069W	793	
Alcaldia de Cuscatancingo	CUSC	El Salvador	13.7269N	89.1804W	668	
Alcaldia de Quezaltepeque	QUEZ	El Salvador	13.8349N	89.2724W	429	
Alcaldia de San Francisco Menendez	FAME	El Salvador	13.8431N	90.0148W	217	
Alcaldia de San Lorenzo	SLOZ	El Salvador	14.0261N	89.7837W	492	
Alcaldia de San Marcos	SANM	El Salvador	13.6571N	89.1820W	762	
Alcaldia de Santa Clara	SCLA	El Salvador	13.7019N	88.7284W	526	
Alcaldia de Soyapango	SOYA	El Salvador	13.7035N	89.1509W	651	
Alcaldia de Tecoluca	TECO	El Salvador	13.5373N	88.7807W	326	
Alcaldia, municipal de Juayua	JUA	El Salvador	13.8427N	89.7465W	1057	
Alcan	ALC	Alaska,U.S.A.	62.6225N	141.0080W	582	From 1979-09-25
Alcanar	ALCN	Spain	40.5500N	0.4800E	177	From 2009-10-05
Alcedo, Punta Alfaro	ALCE	Galapagos,Ecuador	0.4416S	91.9707W	980	From 2012-10-07
Alchi Leh	ALCI	India	34.2139N	77.1844E	3135	From 2018-06-06
Alcochete	PACT	Portugal	38.7680N	8.8333W	30	
Alcott Elementary School	ALCT	Washington,U.S.A.	47.6475N	122.0370W	55	
Alcoutim	PALC	Portugal	37.4647N	7.4758W	73	
Alcova	K21A	Wyoming,U.S.A.	42.6332N	107.2510W	1960	From 2008-07-16 to 2010-05-15
Aldan	ALDR	Sakha,Russia	58.6100N	125.4094E	682	
Alder Creek	ACK	Alaska,U.S.A.	65.9542N	162.1890W	377	
Alder Peak	PAPM	California,U.S.A.	35.9128N	121.3620W	1015	
Alders End	HAE	England,United Kingdom	52.0376N	2.5475W	224	From 1982-01-01
Alder Springs	GASB	California,U.S.A.	39.6547N	122.7160W	1354	From 2005-09-22
Alder Springs	GAS	California,U.S.A.	39.6548N	122.7150W	1219	From 1985-04-10
Al-Direh	DRHJ	Jordan	29.3580N	34.9620E	10	
Al Duwadimi	DWDS	Saudi Arabia	24.5403N	44.8352E	855	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Alea Permanent	ALEP	Hawaii,U.S.A.	19.5412N	155.6440W	2894	From 2011-11-03
Alefka	ALFC	Cyprus	35.1560N	32.5990E	520	From 1998-11-16
Alegheny College	ALLY	Pennsylvania,U.S.A.	41.6492N	80.1448W	390	
Alekseevka, NSO, Russia	ALXA	Novosibirskaya Oblast',Russia	54.9300N	82.5800E	125	From 2012-02-10
Alemaya	ALME	Ethiopia	9.4300N	42.0400E	2133	From 1988-01-01
Alert	ALE	Northwest Territories,Canada	82.5033N	62.3500W	65	From 1961-09-29
Alessandria	ALSD	Italy	44.9387N	8.5684E	98	From 2019-08-01
Alexander Bay	ALX	New York,U.S.A.	44.3225N	75.9279W	122	From 1976-08-01
Alexander City	AX2AL	Alabama,U.S.A.	32.7772N	86.1300W	213	From 1966-03-24 to 1967-01-16
Alexander City	AX-	Alabama,U.S.A.	32.8356N	86.1764W	183	From 1965-12-03 to 1965-12-13
Alexander City	AX-AL	Alabama,U.S.A.	32.8356N	86.1764W	183	From 1965-12-03 to 1965-12-13
Alexander City	AX2	Alabama,U.S.A.	32.7772N	86.1300W	213	From 1966-03-24 to 1967-01-16
Alexander Place, Bentonia	144A	Mississippi,U.S.A.	32.6304N	90.4226W	78	From 2011-03-22 to 2013-02-01
Alexander Ranch	ARDC	California,U.S.A.	35.4632N	120.9783W	91	
Alexander Valley	GAXM	California,U.S.A.	38.7108N	122.7550W	379	From 1973-09-21
Alexander Way Pleasanton	C053	California,U.S.A.	37.6854N	121.8734W	106	From 2010-11-30
Alexandra	AXZ	South Island,New Zealand	45.2656S	169.3313E	260	From 1996-03-07 to 2004-08-31
Alexandria	F34A	Minnesota,U.S.A.	45.7954N	95.2581W	419	From 2010-09-09 to 2012-07-24
Alexandroupolis	ALEX	Greece	40.8555N	25.9019E	12	
Alexandroupolis	ALX1	Greece	40.8455N	25.8738E	35	From 2013-08-20
Alexandroupolis	ALN	Greece	40.8972N	26.0456E	110	From 1989-06-01
Alexandrovskoye	ALER	Stavropol'skiy Kray	44.7631N	42.9136E	510	From 2012-10-13
Alfacar	ALCS	Spain	37.2542N	3.5439W		From 1982-02-01 to 1982-03-01
Alfacar	AFC	Spain	37.2544N	3.5450W	1490	
Al Faqa, Dubai	FAQ	United Arab Emirates	24.7453N	55.5924E	203	From 2006-05-30
Al Faraah	URD05	Saudi Arabia	27.2300N	36.9600E	1186	
Alfaro Ruiz	ZAPA	Costa Rica	10.1725N	84.3907W	1664	From 2004-01-01
Al Fayyum	FYM	Egypt	29.6923N	31.0430E	210	
Alf Garage	NBB13	Norway	66.6275N	13.3272E	27	From 2013-08-01 to 2016-06-01
Alfred	ALFO	Ontario,Canada	45.6283N	74.8842W	0	From 2009-05-29
Alfred	AFO1	Ontario,Canada	45.6282N	74.8824W	53	
Alfred	ALF	New York,U.S.A.	42.2253N	77.7972W	671	From 1971-01-01 to 1978-09-30
Alfred	AFO2	Ontario,Canada	45.6308N	74.8540W	53	
Alftagrof	IALF	Iceland	63.4910N	19.1844W	132	From 2011-01-11
ALG	MOLA	Algeria	34.6300N	0.0100E	1039	
Algamitas (Sevilla)	E101A	Spain	37.0147N	5.1519W	440	From 2018-02-06 to 2018-07-23
Algarobillo	CHP4	Peru	4.5019S	80.3600W	220	
Algayed	AKWA	Saudi Arabia	17.2610N	42.6990E	120	
Algeciras	EXAGE	Gulf of Cadiz	36.1324N	5.4489W	36	
Alger-Bouzareah	ABA	Algeria	36.8017N	3.0350E	345	From 1910-01-01
Al Ghardaqah	HHRG	Egypt	27.2193N	33.5691E	400	
Al-Ghuwayriyah	GHRH	Qatar	25.8407N	51.2696E	0	From 2014-05-06
Algiers University	ALG	Algeria	36.7717N	3.0583E	59	From 1949-01-01 to 1982-12-31
Algodonales	EXAO	Spain	36.8820N	5.4040W	370	From 2007-09-17
Algonquin Park	ALGO	Ontario,Canada	45.9544N	78.0509W	235	From 2009-04-27
Alhafirah	HASTF	Saudi Arabia	22.9330N	44.8400E	808	
Alhama Almeria	EXAA	Spain	36.9580N	2.5680W	528	
Al Hamad	HANO	Saudi Arabia	31.3890N	38.3310E	778	
Alhama de Murcia	EALH	Spain	37.8581N	1.4197W	294	From 1986-01-01
Alhama Granada	EXAG	Spain	37.0160N	3.9860W	900	
Alhama Murcia, Murcia	EXAHM	Spain	37.8415N	1.4344W	200	From 2011-05-01
Al Hawiyah	HWYS	Saudi Arabia	21.4349N	40.4177E		
Al Hofuf	HOFOF	Saudi Arabia	25.3994N	49.9026E	100	
Al Hulayfah	HIL02	Saudi Arabia	26.0597N	40.8979E	979	
Alia	ALJA	Italy	37.7490N	13.7537E	700	From 2008-02-14
Aliabad	ALIA	Iran	36.7000N	54.5000E	0	
ALIABAD KATOL	ABGH	Iran	36.7352N	54.7994E	1284	From 2019-05-29
Aliakmonas, N023	N023M	Greece	40.4581N	22.2388E	284	
Alibeck	GEYT	Turkmenistan	37.9295N	58.1171E	610	From 2009-12-16
ALIBECK ARRAY SITE A0	GYA0	Turkmenistan	37.9295N	58.1171E	593	From 2010-02-07
ALIBECK ARRAY SITE A0B	GYA0B	Turkmenistan	37.9295N	58.1171E	591	From 2010-02-07
ALIBECK ARRAY SITE A1	GYA1	Turkmenistan	37.9232N	58.1173E	606	From 2010-02-07
ALIBECK ARRAY SITE A2	GYA2	Turkmenistan	37.9355N	58.1213E	518	From 2010-02-07
ALIBECK ARRAY SITE A3	GYA3	Turkmenistan	37.9331N	58.1131E	609	From 2010-02-07
ALIBECK ARRAY SITE B1	GYB1	Turkmenistan	37.9205N	58.1259E	626	From 2010-02-07
ALIBECK ARRAY SITE B2	GYB2	Turkmenistan	37.9376N	58.1269E	551	From 2010-02-07
ALIBECK ARRAY SITE B3	GYB3	Turkmenistan	37.9430N	58.1158E	540	From 2010-02-07
ALIBECK ARRAY SITE B4	GYB4	Turkmenistan	37.9332N	58.0980E	584	From 2010-02-07
ALIBECK ARRAY SITE B5	GYB5	Turkmenistan	37.9206N	58.1085E	704	From 2010-02-07
Alicahue	ALH	Aconcagua,Chile	32.3700S	70.7928W	1890	From 1970-08-01
Alicante	EXAI	Spain	38.3550N	0.4870W	35	
Alicante	ALI	Spain	38.3553N	0.4873W	35	
Alice Springs	ASPA	Northern Territory,Australia	23.6669S	133.9010E	555	From 1982-02-17 to 2006-05-29
Alice Springs	ASP	Northern Territory,Australia	23.6833S	133.8970E	600	From 1970-12-15 to 1982-02-15
Alice Springs Array Beam Reference Point	ASAR	Northern Territory,Australia	23.6664S	133.9040E	607	
Alice Springs Array Site 1	AS01	Northern Territory,Australia	23.6647S	133.9510E	605	From 1986-01-01
Alice Springs Array Site 10	AS10	Northern Territory,Australia	23.6969S	133.9140E	607	From 1986-01-01
Alice Springs Array Site 11	AS11	Northern Territory,Australia	23.6783S	133.8980E	608	From 1986-01-01
Alice Springs Array Site 12	AS12	Northern Territory,Australia	23.6664S	133.9040E	607	From 1986-01-01
Alice Springs Array Site 13	AS13	Northern Territory,Australia	23.6519S	133.8940E	604	From 1986-01-01
Alice Springs Array Site 14	AS14	Northern Territory,Australia	23.6517S	133.9100E	620	From 1986-01-01
Alice Springs Array Site 15	AS15	Northern Territory,Australia	23.6356S	133.9120E	669	From 1986-01-01
Alice Springs Array Site 16	AS16	Northern Territory,Australia	23.6369S	133.9300E	676	From 1986-01-01
Alice Springs Array Site 17	AS17	Northern Territory,Australia	23.6644S	133.9920E	615	From 1986-01-01
Alice Springs Array Site 18	AS18	Northern Territory,Australia	23.6900S	133.9810E	592	From 1986-01-01
Alice Springs Array Site 19	AS19	Northern Territory,Australia	23.7044S	133.9630E	577	From 1986-01-01
Alice Springs Array Site 2	AS02	Northern Territory,Australia	23.6792S	133.9370E	619	From 1986-01-01
Alice Springs Array Site 3	AS03	Northern Territory,Australia	23.6744S	133.9200E	643	From 1986-01-01
Alice Springs Array Site 4	AS04	Northern Territory,Australia	23.6597S	133.9290E	666	From 1986-01-01
Alice Springs Array Site 5	AS05	Northern Territory,Australia	23.6492S	133.9470E	683	From 1986-01-01
Alice Springs Array Site 6	AS06	Northern Territory,Australia	23.6475S	133.9710E	663	From 1986-01-01
Alice Springs Array Site 7	AS07	Northern Territory,Australia	23.6656S	133.9700E	614	From 1986-01-01
Alice Springs Array Site 8	AS08	Northern Territory,Australia	23.6814S	133.9600E	594	From 1986-01-01
Alice Springs Array Site 9	AS09	Northern Territory,Australia	23.6994S	133.9410E	591	From 1986-01-01
Alice Springs Site	AS31	Northern Territory,Australia	23.6651S	133.9053E	627	From 2005-06-20
Alicudi	ACL	Sicily,Italy	38.5331N	14.3556E	140	
Alicudi	IACL	Sicily,Italy	38.5338N	14.3565E	181	From 2007-05-10
Aligegeo Malaita	ALEG	Solomon Islands	8.7539S	160.6952E	56	From 2018-10-12
Aliki, Aigialia, West Greece	ALIK	Greece	38.2605N	22.1114E	-33	From 2000-04-16
Alishan	ALS	Taiwan region	23.5104N	120.8050E	2413	
Al Jahlan	JHLN	Syria	35.6725N	38.4411E	459	From 1995-04-01
Aljezur	PALJ	Portugal	37.3183N	8.7980W	9	From 2015-04-18
Aljibe	ALJ	Spain	36.5299N	5.6494W	427	
Al Jubail	NRYS	Saudi Arabia	27.0801N	49.1601E	26	
Alkanpan, Northen Cape, South Africa	ALKP	South Africa	29.9423S	22.2480E	1066	From 2018-09-05
Al Khamasin	KAMS	Saudi Arabia	20.3088N	44.5811E	325	
Al Kharijah	AKRG	Egypt	25.5032N	30.4985E	155	
Al-Khor Airport	KHOR	Qatar	25.6227N	51.5119E	16	From 2014-05-06
Alki Wastewater Plant ANSS-SMO	ALKI	Washington,U.S.A.	47.5751N	122.4176W	1	From 2004-11-04
Alkurruntz	EALK	Spain	43.2197N	1.5071W	965	From 2003-07-30
All	MALI	Sicily,Italy	38.0530N	15.4000E	1005	From 1993-12-01
Alla	ALL	Buryatiya,Russia	54.7000N	110.7667E		
Alla	ALLA	Buryatiya,Russia	54.7000N	110.7667E		
Allagash	AGM	Maine,U.S.A.	47.0817N	69.0233W	238	From 1975-11-01 to 1999-01-31
Allahabad	ALBI	Uttar Pradesh,India	25.3090N	81.8085E	107	
Allakaket	G21K	Alaska,U.S.A.	66.5156N	153.5058W	446	From 2016-06-18
Alland / Wienerwald	WINA	Austria	48.1074N	16.0731E	417	From 2019-09-25
Allapoint, Allagash	D62A	Maine,U.S.A.	47.0819N	69.0501W	189	From 2013-10-08
Allard Ranch, Norris	J28A	South Dakota,U.S.A.	43.4239N	101.2359W	835	From 2009-06-02 to 2011-05-05
Allegan	ACM	Michigan,U.S.A.	42.6475N	85.8517W	268	
Allendale	NADM	California,U.S.A.	38.4599N	121.9704W	38	
Allendale	XAL	England,United Kingdom	54.8617N	2.2147W	462	From 1983-07-10
Allen Road	ALRZ	North Island,New Zealand	38.5620S	176.3430E	405	From 2007-11-07
Allentown	ATPA	Pennsylvania,U.S.A.	40.5767N	75.5886W	61	
Allentown	O61A	New Jersey,U.S.A.	40.0934N	74.5530W	38	From 2013-05-29
Allerheiligen	A016A	Austria	48.3014N	14.6496E	565	From 2015-06-23
Alliance	AI-	Nebraska,U.S.A.	42.1328N	103.2764W	1311	From 1962-11-07 to 1962-12-12
Alliance	AI-NB	Nebraska,U.S.A.	42.1328N	103.2764W	1311	From 1962-11-07 to 1962-12-12
Al Lith	LITH	Saudi Arabia	20.7161N	40.6161E	100	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Al Lith	LTHS	Saudi Arabia	20.2757N	40.4111E	121	
Allumiere - RM	TO02	Italy	42.1378N	11.8886E	410	From 2008-04-11 to 2009-04-02
Alma-Ata	AAA	Kazakhstan	43.2090N	76.9150E	920	From 1927-08-04
Alma-Ata	AA1	Kazakhstan	43.2717N	76.9467E	800	
Almabolaq	IALM	Iran	34.8601N	48.1676E	2450	
Almaden	AMC	California,U.S.A.	37.1583N	121.8470W	244	From 1968-10-16
Almaden	JALM	California,U.S.A.	37.1583N	121.8470W	244	From 1968-10-16
Al Majmaah	MJMS	Saudi Arabia	26.0470N	45.6577E	668	
Al Majma`ah	MJMA	Saudi Arabia	25.8550N	45.2890E	650	From 1990-03-01
Al Marj	MARJ	Libya	32.5818N	20.8757E	408	
Almaty	KNDC	Kazakhstan	43.2172N	76.9658E	900	From 2005-11-28
Almayashu	AML	Kyrgyzstan	42.1311N	73.6941E	3400	
Al-Mazaregh	MZRK	Syria	35.8266N	40.6525E	373	From 2002-04-01
Almeirim	ALMR	Portugal	39.1555N	8.5768W	165	
Almeirim	AMRP	Portugal	39.1583N	8.5750W	160	From 1990-02-01 to 2009-05-30
Almeria	ALM	Spain	36.8525N	2.4598W	65	
Almeria	EXAM	Spain	36.8520N	2.4590W	65	
ALMNKUR	MNKR	Syria	35.9425N	39.2708E	376	From 2002-04-01
Al Mukalla	MUKL	Yemen	14.4760N	49.0360E	41	
Al Mukha	MUKH	Yemen	13.3150N	43.2653E	0	
Al Muraba'a	MURBA	Saudi Arabia	25.4081N	38.2507E	494	
Almuwaylih	MWLHS	Saudi Arabia	27.7470N	35.5150E	112	
Almyros	ALM1	Thessaly	39.1808N	22.7605E	20	From 1985-05-06
Al-Naaiem	NAY	Kuwait	29.2489N	47.2421E	218	
Al Neser	NSR4	Iraq	31.5399N	46.2016E	7	
Alonissos	ALNA	Greece	39.1477N	23.8667E	51	From 2010-09-08
Alonissos-2	AOS2	Greece	39.1478N	23.8436E	185	From 2018-06-25
Alonnisos	AOS	Greece	39.1703N	23.8800E	200	From 1996-07-11
Alotau	ALOT	Papua New Guinea	10.2960S	150.4640E	200	From 1982-11-08 to 1984-02-03
Alotau	ALOA	Papua New Guinea	10.2983S	150.3770E	10	From 1984-02-03
Alotau	ALTO	Papua New Guinea	10.2988S	150.4556E	158	From 2013-05-01
ALPA Array Beam Reference Point	ALAR	Alaska,U.S.A.	65.0653N	147.5639W	626	
ALPA Array Site 31	AL31	Alaska,U.S.A.	65.0653N	147.5639W	626	
ALPA Array Site 32	AL32	Alaska,U.S.A.	65.1944N	147.3161W		
ALPA Array Site 33	AL33	Alaska,U.S.A.	65.0286N	147.1961W		
ALPA Array Site 35	AL5	Alaska,U.S.A.	64.9447N	147.8595W		From 1993-07-01
ALPA Array Site 36	AL36	Alaska,U.S.A.	65.0978N	148.0014W		
ALPA Array Site 37	AL37	Alaska,U.S.A.	65.2333N	147.7433W		
Alpago	APGO	Italy	46.1516N	12.3630E	598	From 2017-04-12
Alpe di Rosciora stable-part 5, Preonzo, TI	PREO5	Switzerland	46.2507N	8.9825E	1523	From 2018-12-07
Alpe Faloria	AFL	Italy	46.5300N	12.1800E	2235	
Alpha Peak	APW	Washington,U.S.A.	46.6517N	122.6470W	457	
Alpine	ALPW	Wyoming,U.S.A.	43.1506N	110.9980W	1792	From 1986-01-01
Alpine	ALPN	Texas,U.S.A.	30.3745N	103.6385W	1368	From 2017-02-02
Alpnach	APL	Switzerland	46.9496N	8.2428E	880	From 1992-12-01 to 2004-08-05
Al Qalibar	QLABS	Saudi Arabia	27.8552N	37.9274E	1113	
Al-Qirein	QRNJ	Jordan	32.3350N	35.5750E	-180	
Al Qrash	TRAS	Saudi Arabia	25.0596N	38.5670E	337	
Alquife, Granada	E015	Spain	37.1743N	3.1115W	1316	From 2007-06-27 to 2009-06-25
Al Qunfudhah	QNFDS	Saudi Arabia	19.7990N	40.9420E	114	
Al Qunfudhah	QNF02	Saudi Arabia	19.0586N	41.4871E	121	
Al Qunfudhah	QNF01	Saudi Arabia	19.3938N	41.2789E	122	
Al-Qurain	QRN	Kuwait	28.7444N	47.9177E	135	
Al Qurrayyat	QREAT	Saudi Arabia	31.5000N	37.5670E	650	
Al-Radifah	RDF	Kuwait	28.9259N	47.5497E	180	
Al-Rafai	RAFI	Iraq	31.7230N	46.1140E	24	From 2015-10-03
Al Salmeh	SLMH	Syria	36.2139N	37.9278E	510	From 1995-04-01
Al Shahba	SHBJ	Jordan	32.3025N	37.8280E	960	From 1987-10-24
Al Sharaya	SHRA	Saudi Arabia	21.4789N	39.9681E	413	From 1995-01-01
Al-Shehemyia	SHMA	Qatar	25.8565N	50.9640E	0	From 2014-05-06
Al Sooda	SODA	Saudi Arabia	18.2900N	42.3740E	2600	From 1989-06-06
Alsterbro	ATR	Sweden	56.9950N	15.9180E	119	From 1980-01-01
Alston	ALST	Oregon,U.S.A.	46.1090N	123.0329W	198	
Alta	AAU	Utah,U.S.A.	40.5919N	111.6380W	2694	From 1974-11-01 to 1976-04-30
Altamira	ATB	Para,Brazil	3.2878S	52.2250W		
Altamura	AMUR	Italy	40.9071N	16.6041E	443	From 2005-08-03
Alta Sierra Campground	WASM	California,U.S.A.	35.7382N	118.5570W	1871	
Alta Urco	ALTA	Ecuador	2.4737S	78.9893W	2700	From 1996-03-05
ALTAVILLA IRPINA	ALT11	Italy	41.0108N	14.7805E	368	From 2017-05-20
Altdorf, Kantonsspital	SALTS	Switzerland	46.8821N	8.6383E	450	From 2012-10-01
Alteburg	ABH	Rheinland-Pfalz,Germany	49.8797N	7.5467E	620	From 1993-01-01
Alter Ridge	ALD	Washington,U.S.A.	45.8194N	120.0670W	427	From 1975-11-01
Altes Rathaus Auernheim	A360A	Germany	48.7289N	10.2971E	635	From 2015-12-01
Altiaghaj	ATGJ	Azerbaijan	40.8610N	48.9380E	1133	From 2009-09-07
Altintas	ALTN	Turkey	40.3578N	28.9638E	29	From 2005-10-26
Altintas	ALT	Turkey	39.0552N	30.1103E	1060	From 1973-06-27
Altinyayla-SIVAS	CUALT	Turkey	39.2734N	36.7526E	1482	From 2010-07-06 to 2015-05-24
Altmuhljura-Amtmannsdorf	ALTM	Bayern,Germany	48.9950N	11.5200E	430	From 2003-01-01
Alto Alegre (Brazil)	ALGR	Rio Grande do Sul	28.7981S	53.0280W	775	From 2016-05-14
Alto Anchicaya	ANCC	Colombia	3.5153N	76.8667W	540	
Alto Bandera	ABDR	Dominican Republic	18.8120N	70.6267W	2843	From 2014-02-20
Alto Bandera	DR10	Dominican Republic	18.8082N	70.6878W	2470	
Alto Boquete	APOP	Panama	8.7200N	82.5330W	1429	
Alto Masis	AMAS	Costa Rica	10.6115N	84.9930W	979	From 2000-01-01
Alton	ID09	Idaho,U.S.A.	42.2444N	111.1936W	2088	From 2017-09-09 to 2017-10-26
Altona	ATO	Oklahoma,U.S.A.	35.7922N	98.1195W	364	From 1982-11-11
Altoona	AS-PA	Pennsylvania,U.S.A.	40.7331N	78.5239W	469	
Altos	ACH	Panama	8.6635N	79.9292W	900	
Alturitas	ALTV	Venezuela	9.7516N	72.4178W		
Altzomoni	IIA	Mexico D.F.,Mexico	19.1495N	98.6583W		
Al `Udayn	UDYN	Yemen	13.9670N	43.9670E	1370	From 1994-11-01
Al Uja	UJAP	Palestine Territories	31.9520N	35.4644E	-192	From 2012-06-13
Al Ula	URD03	Saudi Arabia	26.6700N	37.4500E	833	
Al Ula	URD02	Saudi Arabia	26.6200N	37.8600E	1185	
Alum Ck. St. Park	ACOH	Ohio,U.S.A.	40.2318N	82.9833W		
Alum Creek State Park	ACSO	Ohio,U.S.A.	40.2319N	82.9820W	288	From 2000-05-14
Alushta	ALU	Crimea	44.6820N	34.4030E	61	
Al`Uyaynah	AYN	Saudi Arabia	28.8660N	36.0010E	770	From 1986-01-01
Alvank	ALVK	Armenia	38.9410N	46.3500E	666	
Alvarado	FW14	Texas,U.S.A.	32.3991N	97.1923W	219	From 2016-11-14
Alvares	PCAL	Portugal	40.0309N	8.0718W	454	From 2010-01-01
Alvarez, DES	DESMX	Baja California	32.1783N	116.8783W	390	
Alvey	ALVY	Oregon,U.S.A.	43.9981N	123.0158W	155	
Alvord Mountain	ALV	California,U.S.A.	35.0617N	116.6289W	640	
Al Wahab	WHAB	Syria	35.9171N	37.5520E	630	From 1995-04-01
Al Wajh	WAJH	Saudi Arabia	26.1760N	36.5600E	75	From 1988-06-20
Al Wajh	EWJHS	Saudi Arabia	26.1572N	36.6550E	104	
Al Wanan	WANAN	Saudi Arabia	26.8988N	48.4775E	45	
Alzada	G24A	Montana,U.S.A.	45.3280N	104.4163W	1147	From 2008-11-25 to 2010-08-15
Al Zarqa	HSUJ	Jordan	32.1050N	36.1930E	613	From 2010-01-01
Amambai (Brazil)	AMBA	Brazil	22.9269S	54.9907W	358	From 2016-05-08
Amaminishikomi	JAMN	Ryukyu Islands,Japan	28.2430N	129.1750E	10	From 2009-03-01
Amami Oshima	JAM	Ryukyu Islands,Japan	28.4113N	129.6052E	15	
Amandola	AMAD	Italy	42.9804N	13.3557E	501	From 2019-05-30
Amandola Base Costone Ospedale	AM04	Italy	42.9833N	13.3650E	455	From 2016-08-29
Amandola Campo Sportivo	AM05	Italy	42.9774N	13.3528E	464	From 2016-09-30
Amandola Istituto Tecnico	AM02	Italy	42.9796N	13.3536E	516	From 2016-08-29
Amandola Ospedale	AM03	Italy	42.9816N	13.3628E	511	From 2016-08-29
Amandola Torre del Podest	AM01	Italy	42.9806N	13.3587E	549	From 2016-08-29
Amanu	AMN	Tuamotu,French Polynesia	17.8506S	140.8590W	2	From 1976-01-01
Amara	AMRR	Romania	44.6103N	27.3354E	67	
Amargosa	AMR	California,U.S.A.	36.3975N	116.4745W	725	From 1978-07-24 to 2002-12-10
Amargosa	AMDNV	Nevada,U.S.A.	36.4526N	116.2809W	0	
Amarillo	W29A	Texas,U.S.A.	35.1212N	101.6476W	1072	From 2009-01-21 to 2010-11-14
Amarillo	AZ-	Texas,U.S.A.	35.4300N	101.9306W	988	From 1963-08-28 to 1964-03-06
Amarillo	AMTX	Texas,U.S.A.	34.8837N	101.6808W	1010	From 2004-09-30
Amarillo	AZ-TX	Texas,U.S.A.	35.4300N	101.9306W	988	From 1963-08-28 to 1964-03-06
Amaseno	AMSN	Italy	41.4684N	13.3336E	107	From 2019-09-20
Amasra-Bartin	MASR	Turkey	41.7599N	32.4691E	330	From 2011-02-22

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Amasugawa 1	AM1	Shiga,Japan	35.4444N	135.9186E	250	
Amasugawa 2	AM2	Shiga,Japan	35.4441N	135.9215E	180	
Amasya-Merkez	AMSY	Turkey	40.6370N	35.8347E	950	From 2013-05-30
Amatignak Island	AMA	Alaska,U.S.A.	51.2884N	179.1090W	503	From 1970-10-09 to 1973-04-30
Amatrice (agriturismo)	MZ28	Italy	42.6214N	13.3079E	992	From 2016-10-14 to 2016-11-17
Amatrice (Alberghiero)	MZ30	Italy	42.6264N	13.2906E	946	From 2016-10-27 to 2016-11-17
Amatrice (caseificio storico)	MZ29	Italy	42.6304N	13.2925E	884	From 2016-10-27 to 2016-11-17
Amatrice (fosso)	MZ31	Italy	42.6245N	13.2899E	872	From 2016-10-27 to 2016-11-17
Amatrice, Frazione Cossitto (RI)	T1204	Italy	42.6760N	13.3167E	1507	From 2016-08-24 to 2017-05-23
Amatrice (garden)	MZ12	Italy	42.6280N	13.2918E	958	From 2016-09-20 to 2016-11-17
Amatrice RAN	MZ08	Italy	42.6325N	13.2866E	897	From 2016-09-20 to 2016-11-17
Amatrice San Cipriano	MZ10	Italy	42.6251N	13.2998E	979	From 2016-09-20 to 2016-11-17
Amatzia	AMAZ	Israel	31.5325N	34.9154E	396	From 2005-12-05
Amatzia	AMZI	Israel	31.4590N	34.9125E	151	
Ambam, CM06	ACM06	Cameroon	2.3850N	11.2680E	574	
Ambar	AMP	Pakistan	34.0550N	72.4150E	361	From 1973-08-23 to 2009-09-20
Ambar	AMB1	Pakistan	34.0540N	72.4150E	320	From 2009-09-20
Ambato 1 (Municipio)	AAM1	Ecuador	1.2419S	78.6297W	2836	From 2011-12-17
Ambato 2 (Mercado Amrica)	AAM2	Ecuador	1.2691S	78.6109W	2664	From 2011-03-12
Ambatonomby	OBY	Madagascar	19.3680S	47.4570E	1625	
Amberd	AMBZ	Armenia	40.3880N	44.2590E	2200	
Amberley	AMCZ	South Island,New Zealand	43.1765S	172.6515E	179	From 2012-02-25
Amberson	O57A	Pennsylvania,U.S.A.	40.2104N	77.6354W	377	From 2013-05-22
Ambohiby	ATG	Madagascar	18.8790S	46.1880E	1520	From 1994-06-16
Ambohidratompo	OPO	Madagascar	18.5706S	47.1879E	1463	From 1978-11-17
Ambohimiarambe	ABM	Madagascar	19.7810S	47.3650E	1843	From 1982-03-23
Ambohimpanom	ABPO	Madagascar	19.0174S	47.2275E	1528	
Ambon	AMO	Ambon,Indonesia	3.7000S	128.1670E		
Ambon	AAI	Ambon,Indonesia	3.6870S	128.1945E	80	From 1975-01-01
Amboy	AB-WV	West Virginia,U.S.A.	39.3306N	79.5669W	914	
Amboy	AB-	West Virginia,U.S.A.	39.3306N	79.5669W	914	
Amboy	F04A	Washington,U.S.A.	45.9325N	122.4193W	211	From 2005-10-25 to 2008-10-27
Ambrzfalva	AMBH	Hungary	46.3501N	20.7258E	95	From 2013-03-07
Ambulong	AMB	Luzon,Philippines	14.0833N	121.0500E	10	From 1910-01-01 to 1999-08-25
Amchitka	AC-IS	Alaska,U.S.A.	51.3894N	179.3425E	61	
Amchitka	ASD	Alaska,U.S.A.	51.3907N	179.3420E		From 1969-05-29 to 1973-04-30
Amchitka	AWA	Alaska,U.S.A.	51.3746N	179.2530E		
Amchitka	AEB	Alaska,U.S.A.	51.3604N	179.2470E		
Amchitka	AND	Alaska,U.S.A.	51.5623N	178.9530E	186	From 1970-07-18 to 1973-04-30
Amchitka	ANB	Alaska,U.S.A.	51.6062N	178.7920E		From 1970-10-14 to 1971-04-30
Amchitka	AMC*	Alaska,U.S.A.	51.4097N	179.2922E	0	From 1965-01-01 to 1966-01-01
Amchitka	AMKA	Alaska,U.S.A.	51.3783N	179.3019E	115	
Amchitka	ASC	Alaska,U.S.A.	51.4631N	179.1580E		From 1969-07-28 to 1972-12-11
Amchitka	ASB	Alaska,U.S.A.	51.3604N	179.2470E		From 1969-05-25 to 1973-04-30
Amchitka	ANA	Alaska,U.S.A.	51.6277N	178.6560E		From 1969-08-25 to 1973-04-30
Amchitka Central A	ACA	Alaska,U.S.A.	51.4809N	179.1190E	42	From 1971-05-08 to 1972-12-11
Amchitka Central B	ACB	Alaska,U.S.A.	51.4626N	179.0910E	47	From 1971-05-08 to 1972-06-30
Amchitka Central C	ACC	Alaska,U.S.A.	51.4843N	179.0430E	26	From 1971-05-08 to 1972-06-30
Amchitka Central D	ACD	Alaska,U.S.A.	51.4282N	179.1370E	37	From 1971-05-08 to 1972-06-30
Amchitka Central E	ACE	Alaska,U.S.A.	51.4005N	179.1730E	9	From 1971-05-08 to 1972-06-30
Amchitka Central F	ACF	Alaska,U.S.A.	51.5258N	178.9940E	62	From 1971-05-08 to 1972-06-30
Amchitka East	AME	Alaska,U.S.A.	51.3867N	179.2550E		
Amderma	AMDE	Arkhangel'skaya Oblast',Russia	69.7607N	61.6782E	48	From 2010-11-28
Amderma	AMD	Arkhangel'skaya Oblast',Russia	69.7667N	61.6833E		
AMECAMECA	AMVM	Mexico State,Mexico	19.1318N	98.7858W	2458	From 2009-08-18
Amedichi	ACHS	Sakha,Russia	57.0300N	122.8500E	930	From 1989-05-01 to 1989-08-31
Amelia	AM9	Italy	42.5851N	12.4286E		From 1980-06-01 to 1980-07-01
Amelia	AMI	Italy	42.5851N	12.4286E		
American Fork	AMF	Utah,U.S.A.	40.4020N	111.7880W	1445	
Americas 2	WILN	Nicaragua	12.1607N	86.1875W	20	
Americus	253A	Georgia,U.S.A.	32.0612N	84.1294W	136	From 2012-03-10
Americus	AMG	Georgia,U.S.A.	32.0594N	84.2177W	106	From 1973-09-01
Amfilochia	AML1	Greece	38.8617N	21.1657E	100	From 1981-12-15
AMGES	AMGES	Saudi Arabia	18.4649N	41.5363E	133	
Amirabad Tehran	TEHA	Iran	35.7464N	51.3868E	1416	From 2015-09-28
Amirim	GIF7	Israel	32.9440N	35.4480E	200	From 1993-05-01 to 1993-05-31
Amirim	GIF8	Israel	32.9380N	35.4610E	200	From 1993-05-01 to 1993-05-31
Amite	445A	Louisiana,U.S.A.	30.7303N	90.3380W	51	From 2011-03-10 to 2012-12-08
Ammassalik, Greenland	ANGG	Greenland	65.6160N	37.6370W	0	From 2000-02-03
Amo	AMJ	Gifu,Japan	36.2494N	137.0280E	620	From 1975-08-05
Amorgos	AMOR	Greece	36.9898N	25.9863E	240	
Amorgos Island	AMGA	Greece	36.8316N	25.8938E	343	From 2012-05-31
Amos	AMS	California,U.S.A.	33.1413N	115.2540W	140	From 1973-04-16 to 2008-02-22
Ampana	APSI	Sulawesi,Indonesia	0.9108S	121.6487E	0	From 2007-12-01
Ampelaki	AMPL	Greece	38.9224N	21.2135E	260	From 2019-04-22
AMRM	AMRM	Israel	29.6650N	34.9600E	120	From 1985-11-07 to 1986-02-01
Amsterdam Island	AIS	Amsterdam Island,France	37.7966S	77.5694E	36	
Amyntaio	AMYA	Greece	40.6915N	21.6795E	590	
Anacapa Island	AIC	California,U.S.A.	34.0133N	119.4370W	113	From 1973-02-23
Anaconda	AMM	Montana,U.S.A.	46.0942N	112.9510W	2051	
Anadia - AL	NBAN	Alagoas,Brazil	9.6686S	36.2746W	260	From 2011-08-31
Anadyr'	ANDR	Magadanskaya Oblast',Russia	64.7340N	177.4950E	55	
Anadyr, Chukotka	ANSS	Magadanskaya Oblast',Russia	64.7830N	177.5830E	20	From 1980-11-10 to 1993-01-01
Anadyr, Chukotka	ANDR2	Magadanskaya Oblast',Russia	64.7186N	177.7404E	55	From 2005-12-26
Anafi Island	ANAF	Greece	36.3567N	25.7726E	335	From 2012-03-07
Anaheim Lake	ALRB	British Columbia,Canada	52.5103N	125.0844W	1237	From 2006-08-30
Anaktuvuk Pass	E22K	Alaska,U.S.A.	68.1343N	151.8132W	772	From 2016-06-28
Anamosa	L40A	Iowa,U.S.A.	42.0628N	91.2218W	242	From 2011-06-20 to 2013-11-27
Anan'yevo	ANVS	Kyrgyzstan	42.7830N	77.6670E	1860	
Anapa	ANN	Krasnodarskiy Kray,Russia	44.8000N	37.4330E	35	
Anarak	ANAR	Iran	33.1897N	53.7288E	1322	From 2011-04-01
Anatahan	ANAT	Mariana Islands	16.3530N	145.6560E	510	
Anatahan	ANA2	Mariana Islands	16.3412N	145.7115E	314	
Anatahan S. Rim	AFOK	Mariana Islands	16.3416N	145.6746E	418	
Ana Tenorio	PIAT	Ecuador	0.9971S	78.2616W	3021	From 2012-06-15
Anchorage	ANI*	Alaska,U.S.A.	61.2417N	149.8270W		From 1964-03-30 to 1964-06-27
Anchorage	ANH	Alaska,U.S.A.	61.2417N	149.8267W	30	From 1964-03-30 to 1964-06-27
Anchorage	AMU	Alaska,U.S.A.	61.1917N	149.8050W	53	From 1965-02-01 to 1975-12-05
Anchorite	ANCR	Nevada,U.S.A.	38.1732N	118.7537W	2250	
Ancient Thera,Santorini,Greece	THERA	Greece	36.3670N	25.4753E	287	From 2019-06-14
Ancon	PP10	Peru	11.7723S	77.1432W	56	
Ancona	ANS	Italy	43.5522N	13.4622E	295	From 1973-01-01
Ancona	AOI	Italy	43.5500N	13.6020E	530	
Ancona Politecnico	UNPM	Italia	43.5867N	13.5167E	148	From 2017-10-12
Andalgala	ANL	Catamarca,Argentina	27.6167S	66.3167W		
Andarivi	COLL	Bolivia	16.9221S	68.3147W	4329	From 1994-05-30 to 1995-01-14
Andau	A003A	Austria	47.7589N	17.0530E	116	From 2015-10-28
Anderson	ANTN	Tennessee,U.S.A.	36.1717N	85.2313W	612	
Anderson Farm, Haxtun	N27A	Colorado,U.S.A.	40.8063N	102.5367W	1228	From 2008-12-04 to 2010-10-12
Anderson Peak	BAPM	California,U.S.A.	36.1758N	121.6430W	1219	
Anderson Ranch, Garber	U34A	Oklahoma,U.S.A.	36.4365N	97.5354W	345	From 2009-10-23 to 2011-09-02
Anderson Ranch, Keeline	K24A	Wyoming,U.S.A.	42.7225N	104.8152W	1593	From 2008-10-24 to 2010-09-10
Anderson Res.	CADM	California,U.S.A.	37.1638N	121.6258W		From 1967-08-25
Anderson Reservoir	ADR	California,U.S.A.	37.1638N	121.6258W	207	From 1967-08-25
Andimeshk	IAND	Iran	32.4250N	48.3556E	0	From 1998-01-01
Andirin	ANDN	Turkey	37.5800N	36.3452E	1142	From 2006-11-06
Andizhan	ANR	Uzbekistan	40.7550N	72.3600E	494	
Andong	KSAND	Republic of Korea	36.5687N	128.7057E	139	From 1999-04-16
Andong	KSADO	Republic of Korea	36.4121N	128.9488E	0	From 2007-12-26
Andong Acc Borehole	ADOA	Republic of Korea	36.5727N	128.7009E	149	From 2015-10-01
Andoni	OMUT	Namibia	18.4093S	16.6364E	1098	
Andorre	PAND	Andorra	42.5225N	1.5467E	1857	From 1991-10-25
Andozero	ADZR	Arkhangel'skaya Oblast'	63.9295N	38.2853E	51	From 2015-11-06
Andravida	ANDM	Greece	37.9831N	21.2726E	1	
Andretta	AND3	Italy	40.9298N	15.3331E	905	
Andrews Acres Farm, Gillet	L57A	Pennsylvania,U.S.A.	42.0005N	76.8492W	546	From 2013-08-29
Andros, ANDR	ANDRE	Greece	37.8361N	24.9482E	64	
Anegada	ABV	Virgin Islands	18.7298N	64.3320W	35	From 2004-06-01
Anegada Island	ABVI	British Virgin Islands	18.7297N	64.3325W	8	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Anensky vrch	ANAC	Czech Republic	50.0745N	17.3790E	851	From 2001-02-01
Angarakan	ANGR	Buryatiya,Russia	56.3500N	113.6700E	1450	From 1977-01-01 to 1981-12-31
Angavokely	AVY	Madagascar	18.9279S	47.7376E	1807	From 1973-01-01
Angela	AN-	Montana,U.S.A.	46.7522N	106.0917W	907	From 1964-11-16 to 1965-06-11
Angela	AN-MA	Montana,U.S.A.	46.7522N	106.0917W	907	From 1964-11-16 to 1965-06-11
Angel Island	CAIM	California,U.S.A.	37.8613N	122.4300W	223	From 1969-08-08
Angel Island	LT13	California,U.S.A.	37.8613N	122.4300W	223	From 1969-08-08
Angel Island	AGC	California,U.S.A.	37.8613N	122.4300W	223	From 1969-08-08
Angel's Peak	APK	Nevada,U.S.A.	36.3194N	115.5740W	2680	From 1975-06-15 to 1983-09-06
Angels Peak	APKW	Nevada,U.S.A.	36.3198N	115.5868W	2580	From 1983-09-06 to 2002-10-10
Angelsportverein	INSH	Germany	49.1473N	8.1658E	130	From 2012-03-15
Angle Creek	ANCK	Alaska,U.S.A.	58.1988N	155.4940W	869	From 1996-08-01
Angle Creek Headwaters	ACHA	Alaska,U.S.A.	58.2107N	155.3260W	960	From 1996-08-01
Angle Mountain	ANGW	Wyoming,U.S.A.	43.8318N	110.1900W	2743	From 1990-09-01
Angol	AGCH	Maule,Chile	37.8093S	72.6964W	81	From 2005-12-20
Angol	ANGC	Malleco,Chile	37.7833S	72.7083W	70	From 1988-01-01
Angono	ARP	Luzon,Philippines	14.5380N	121.1530E	85	
Angora Road	ANWZ	North Island,New Zealand	40.4597S	176.4751E	132	From 2008-08-07
Angostura	ANGV	Venezuela	9.7050N	69.5217W	680	From 1984-01-01 to 1999-08-25
Angra dos Reis-Rio de Janeiro-Brazil	ESAR	Rio de Janeiro,Brazil	23.0207S	44.4403W	5	From 2006-09-03
Angra dos Reis-RJ	MAN01	Rio de Janeiro,Brazil	22.8652S	43.9641W	617	From 2011-01-30
Angra Heroismo	ADH0	Azores,Portugal	38.6633N	27.2066W	100	From 1988-12-12 to 2000-05-17
Angra Heroismo	ADH	Azores,Portugal	38.6550N	27.2350W	83	
Angren	ANE	Uzbekistan	41.0100N	70.2600E	951	
Angseong	AGSA	Republic of Korea	37.0917N	127.8081E	104	From 2018-03-09
Angureal	ANGU	Ecuador	0.0468N	78.0083W	4680	From 2005-09-20
Aniakchak	ANI	Alaska,U.S.A.	57.0417N	158.0400W	0	
Aniakchak	ANKA	Alaska,U.S.A.	56.9058N	158.2290W	863	From 1994-08-01
Aniakchak	ANON	Alaska,U.S.A.	56.9198N	158.1716W	445	
Aniakchak	AZAC	Alaska,U.S.A.	56.8954N	158.2307W	1057	
Aniakchak Crater	ANIA	Alaska,U.S.A.	56.9056N	158.2293W	930	
Aniakchak Jack	AJAX	Alaska,U.S.A.	56.8895N	158.2215W	967	
Aniakchak Northeast	ANNE	Alaska,U.S.A.	56.9127N	158.0589W	705	
Aniakchak Northwest	ANNW	Alaska,U.S.A.	56.9664N	158.2149W	816	
Aniakchak Peak	ANPK	Alaska,U.S.A.	56.8418N	158.1261W	972	
Aniakchak Plenty Bear	ANPB	Alaska,U.S.A.	56.8024N	158.2808W	658	
Anillaco	AANI	La Rioja,Argentina	28.8123S	66.9375W	1400	
Anini-y	AAP	Panay,Philippines	10.4200N	121.9440E	50	
Anjarah	ANJJ	Jordan	32.3010N	35.7710E	1075	
Anjero-Sudjensk, Russia	ASR1	Kemerovskaya Oblast',Russia	56.0680N	85.9910E	262	From 2011-02-22
Anjilo	IANJ	Iran	35.4672N	53.9144E	2135	From 1999-05-01
Ankara	ANTO	Turkey	39.8689N	32.7936E	883	From 1978-08-01
Ankara	DAD	Turkey	39.9082N	32.7536E	875	From 2007-12-27 to 2012-12-02
Ankara	ANK	Turkey	39.9167N	32.8167E		
Ankara-Kalecik-Gokdere	GOKD	Turkey	40.0728N	33.4753E	901	From 2018-12-21
Anmado	ANMD	Republic of Korea	35.3437N	126.0300E	79	From 2015-10-01
Anmore	ANMB	British Columbia,Canada	49.3187N	122.8585W	179	
Anmyeondo	KSANM	Republic of Korea	36.5000N	126.3000E	47	From 2002-11-07
Anna	AN3	Ohio,U.S.A.	40.5486N	83.8122W	326	
Anna	AN7	Ohio,U.S.A.	40.8233N	83.8600W	281	
Anna	AN8	Ohio,U.S.A.	40.2444N	84.2864W	302	
Anna	AN4	Ohio,U.S.A.	40.2219N	83.8978W	346	
Anna	AN11	Ohio,U.S.A.	40.5639N	84.6803W	267	
Anna	AN12	Ohio,U.S.A.	40.9214N	84.1822W	226	
Anna	AN9	Ohio,U.S.A.	40.7111N	84.4969W	255	
Anna	AN10	Ohio,U.S.A.	40.4728N	84.4700W	297	
Anna	AN1	Ohio,U.S.A.	40.4792N	84.1308W	323	From 1976-01-15 to 1999-08-25
Ann Arbor	AAM	Michigan,U.S.A.	42.3012N	83.6567W	172	From 1940-01-01
An Nimas	NAMS	Saudi Arabia	19.1702N	42.2021E	2328	
Anninata	KFL	Greece	38.1096N	20.7880E	264	From 2006-09-30
AnnSam, Waubun	D33A	Minnesota,U.S.A.	47.1404N	95.8448W	466	From 2010-08-28 to 2012-06-22
Annsville	ANNS	New York,U.S.A.	41.3140N	73.9132W	42	
Annweiler Trifels TMO65	A127A	Germany	49.1967N	7.9781E	442	From 2015-10-15
Ano Chora	ANX	Greece	38.5933N	21.9209E	1019	From 2010-11-25
Ano Karies	S006	Greece	37.4420N	22.0040E	1035	
Ano Kerassia, N027	N027M	Greece	39.4883N	22.9574E	728	
Ano Kerassia, N028	N028M	Greece	40.4005N	22.5178E	238	
Ano Lampsista, N008	N008M	Greece	39.7319N	20.7507E	640	
Ano Thoriko, AT04E	AT04E	Greece	37.7252N	24.0496E	23	
Anotleneega Mountain	H20K	Alaska,U.S.A.	65.4924N	154.8808W	514	From 2017-06-11
Anoyia	IDI	Crete,Greece	35.2880N	24.8900E	750	
Anpu	ANP	Taiwan region	25.1865N	121.5200E	826	From 1963-03-14
Anshas	AANS	Egypt	30.2909N	31.3998E	30	
Anshas	MANS	Egypt	30.9560N	31.5180E	45	
Anshuo	EAST	Taiwan region	22.3830N	120.8480E	445	
Antakya	ANTT	Turkey	36.2203N	36.1569E	60	
Antalya	ANTB	Turkey	36.8998N	30.6538E	20	From 2004-03-12
Antalya-Kepez	KEPZ	Turkey	36.9015N	31.6039E	615	From 2010-11-12
Antalya-Kumluca	AKUM	Turkey	36.3226N	30.3430E	69	From 2013-02-23
ANTANANARIVO INFRASONIC ARRAY REFERENCE POINT	I33MG	Madagascar	19.0109S	47.3050E	1385	From 2001-10-15
Antelope	ALPC	California,U.S.A.	34.6871N	118.2995W	753	
Antelope Grade	PAGB	California,U.S.A.	35.7307N	120.2499W	480	
Antelope Grade	PAGM	California,U.S.A.	35.7325N	120.2504W	436	
Antelope Island	ANU	Utah,U.S.A.	41.0397N	112.2320W	1353	From 1975-11-01 to 1991-08-27
Antelope Mountain	LAMM	California,U.S.A.	41.6098N	122.6256W	1769	
Antelope Range	ANTCA	California,U.S.A.	37.9177N	118.5650W	2040	
Antelope Range	ARUT	Utah,U.S.A.	37.7880N	113.4400W	1646	From 1980-12-01
Antelope Ridge	ANTR	New Mexico,U.S.A.	32.2637N	103.4110W	1056	From 1991-01-01
Antelope Valley	BAVM	California,U.S.A.	36.6459N	121.0301W	572	From 1975-07-02
Antenna a Mare	ME06	Italy	38.1595N	15.4647E	1134	From 2007-11-15 to 2008-04-15
Antennamare	ATN	Sicily,Italy	38.1595N	15.4647E	1130	
Anthony NE Station	KAN08	Kansas,U.S.A.	37.2267N	97.9710W	375	From 2014-08-21
Anthony SW Station	KAN10	Kansas,U.S.A.	37.1235N	98.0951W	417	From 2014-05-07
Antibes	ANTF	Provence-Cote d'Azur,France	43.5640N	7.1230E	54	From 2003-01-06
Anticline Ridge	PARM	California,U.S.A.	36.2492N	120.3420W	485	From 1975-09-05
Antigo	G41A	Wisconsin,U.S.A.	45.2118N	89.1816W	464	From 2011-08-20 to 2013-06-13
Antigua	ANG	Antigua,Antigua and Barbuda	17.1550N	61.8300W	27	From 1966-04-20
Antigua	AWI	Antigua,Antigua and Barbuda	17.1430N	61.8350W	23	From 1955-06-24 to 1963-10-06
Antigua, Disaster Office	ANDO	Antigua	17.1119N	61.8299W	55	From 2015-05-22
Antigua Open Campus	ANOC	Antigua	17.1184N	61.8319W	57	From 2015-05-20
Antikythira Island	ANKY	Greece	35.8670N	23.3012E	143	From 2008-07-23
Antillo	AIO	Sicily,Italy	37.9712N	15.2330E	751	
Antioch	CACM	California,U.S.A.	36.9762N	121.7600W	74	From 1973-10-26
Antioch Church	ACTN	Tennessee,U.S.A.	36.3470N	89.3100W	143	
Antisana	ANTI	Ecuador	0.4492S	78.1612W	4510	From 1991-08-09
Antisana-Cuyuja	ANTC	Ecuador	0.0265S	78.4104W	2481	From 2012-07-12
Antisana-Guaman	ANTG	Ecuador	0.5031S	78.2546W	4210	From 2011-10-14
Antisana-La Mica	ANTM	Ecuador	0.5362S	78.2228W	4128	From 2011-11-24
Antisana-Sarahuasi	ANTS	Ecuador	0.4973S	78.1704W	4580	From 2011-11-25
Antlers	AL-OK	Oklahoma,U.S.A.	34.3581N	95.6125W	213	From 1962-07-04 to 1962-07-11
Antlers	AL-	Oklahoma,U.S.A.	34.3581N	95.6125W	213	From 1962-07-04 to 1962-07-11
Antofagasta	ANT	Antofagasta,Chile	23.7050S	70.4153W	80	From 1962-12-28
Antofagasta	ANCH	Antofagasta,Chile	23.6803S	70.4085W	30	
Antonio Joao (Brazil)	ANTJ	Brazil	21.9999S	56.0046W	532	From 2016-05-08
Antrodoco	LANT	Italy	42.4163N	13.0814E	484	From 2001-05-05
Antumapu	ANTU	Santiago,Chile	33.5691S	70.6335W	640	
Anvik River	J16K	Alaska,U.S.A.	63.2842N	160.6021W	328	From 2017-06-18
Anvil Mountain	ANV	Alaska,U.S.A.	64.5655N	165.3720W	330	From 1976-08-01
Anzar Reservoir 9	AN9*	California,U.S.A.	37.0140N	122.0362W	129	
Anzar Road	ANZ	California,U.S.A.	36.8847N	121.5910W	122	From 1967-06-29
Anzar Road	HAZM	California,U.S.A.	36.8847N	121.5910W	122	From 1967-06-29
Aoalbol	IADA	Iceland	65.0190N	15.5750W	443	From 1998-09-19
Aobayama	AOB	Miyagi,Japan	38.2483N	140.8470E	87	From 1967-04-01
Aogashimamukaizawa	JAOM	Tokyo,Japan	32.4637N	139.7638E	336	From 2012-07-01
Aohua	EAHA	Taiwan region	24.3293N	121.7393E	51	From 2017-10-06
Aomori	AOM1	Aomori,Japan	40.8200N	140.7733E	3	From 1989-12-01
Aomori	AOM	Aomori,Japan	40.8167N	140.7833E	5	
Aomori 2	AOMJ	Aomori,Japan	40.5600N	140.3730E	8	From 1978-01-01
Aomori 3	AOM3	Aomori,Japan	40.7767N	140.8170E	150	From 1990-04-21

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Aomorihigashidori	JAHD	Aomori,Japan	41.2653N	141.3373E	50	From 2012-07-01
Aomorirokkasho	JARK	Aomori,Japan	41.0073N	141.3663E	54	From 2012-07-01
orum-Sungurlu-Tatlsu	SUNG	Turkey	40.1890N	34.2462E	772	From 2017-12-19
Aosta	AOSA	Italy	45.7398N	7.3641E	574	From 2019-07-30
Aou	AOU	Kochi,Japan	33.7923N	133.7710E	470	From 1972-04-01
Aouinet Torkoz	ANTZ	Morocco	28.4747N	9.8547W	300	From 1991-12-18
Aoulouz	ALZ	Morocco	30.6960N	8.1410W	800	
Ao Xicun	ZPLA	Taiwan region	23.9300N	117.7500E	0	From 2011-07-22
Apacha	APC	Kamchatskaya Oblast',Russia	52.9250N	157.1581E	100	
Apache	AP-OK	Oklahoma,U.S.A.	34.8331N	98.4358W	427	
Apache	AP-	Oklahoma,U.S.A.	34.8331N	98.4358W	427	
Apache Junction	GVA	Arizona,U.S.A.	33.4214N	111.5748W	506	From 1994-01-05
Apakhonchich	APN	Kamchatskaya Oblast',Russia	56.0000N	160.8300E	700	
Apartado, Choco	APAC	Colombia	7.9000N	76.5800W	104	From 2016-12-02
Apatity	APA	Murmanskaya Oblast',Russia	67.5690N	33.4051E	182	
Apatity	APZ9	Murmanskaya Oblast',Russia	67.5690N	33.4051E	200	
Apatity Array Beam Reference Point	APAES	Murmanskaya Oblast',Russia	67.6061N	32.9931E	200	
Apatity Array Site A0	APA0	Murmanskaya Oblast',Russia	67.6061N	32.9923E	200	From 1992-09-01
Apatity Array Site A1	APA1	Murmanskaya Oblast',Russia	67.6079N	32.9928E	200	
Apatity Array Site A2	APA2	Murmanskaya Oblast',Russia	67.6054N	32.9965E	200	
Apatity Array Site A3	APA3	Murmanskaya Oblast',Russia	67.6057N	32.9878E	200	
Apatity Array Site B1	APB1	Murmanskaya Oblast',Russia	67.6068N	33.0037E	200	
Apatity Array Site B2	APB2	Murmanskaya Oblast',Russia	67.6024N	32.9979E	200	
Apatity Array Site B3	APB3	Murmanskaya Oblast',Russia	67.6029N	32.9847E	200	
Apatity Array Site B4	APB4	Murmanskaya Oblast',Russia	67.6079N	32.9816E	200	
Apatity Array Site B5	APB5	Murmanskaya Oblast',Russia	67.6106N	32.9934E	200	
Apecchio	APEC	Italy	43.5585N	12.4199E	488	From 2014-02-06
Apeiranthos	APE	Greece	37.0689N	25.5306E	620	From 1975-11-01
Aper	APER	Greece	35.5504N	27.1741E	250	
Apex site 3 Nunavut	AP3N	Northwest Territories,Canada	69.4586N	84.4616W	437	From 2005-08-17
APH	CAPH	Costa Rica	9.6013N	84.5880W	205	From 2002-04-11 to 2002-10-01
Apia	API	Samoa Islands	13.8072S	171.7750W	2	From 1902-01-01
Apoyeque	APYN	Nicaragua	12.2338N	86.3500W	300	
Apoyeque	APY	Nicaragua	12.2277N	86.3528W	260	From 1975-01-01
Apoyo	APON	Nicaragua	11.9167N	86.0667W	600	
Appelbo	APP	Sweden	60.5390N	13.9280E	340	From 1969-01-01
Appenzell, Kantonsschule, AI	SAPK	Switzerland	47.3307N	9.4041E	776	From 2015-10-15
Appiano	APPI	Italy	46.4787N	11.2281E	1056	From 2003-11-12
Appleton	J54A	New York,U.S.A.	43.2728N	78.6392W	112	From 2012-12-11
Apres Vouz Peak	AVOW	Wyoming,U.S.A.	43.6111N	110.8140W	2036	From 1986-01-01
Apricena	APRC	Italy	41.7573N	15.5430E	672	From 2016-01-21
Aqaba	AQBJ	Jordan	29.7280N	35.0500E	170	From 1989-10-23
Aqaba	GLFJ	Jordan,Jordan	29.5080N	35.0080E	25	
Aqua Casa	AQ6*	Sicily,Italy	38.4856N	14.9317E		From 1966-04-01 to 1966-05-01
Aqua Vermelha	AGVB	Minas Gerais,Brazil	19.7394S	50.2331W	393	From 1993-03-01
Aquidauana	AQDB	Mato Grosso,Brazil	20.4758S	55.6997W	158	From 2003-07-01
Aquila	MMIG	Michoacan,Mexico	18.2885N	103.3455W	64	From 2006-07-08
Ara§uai, MG	ARCA	Minas Gerais	16.8467S	41.9597W	390	From 2019-10-29
Aracena	ARAC	Spain	37.8923N	6.5647W	675	
ARAD	ARAD	Israel	31.2210N	35.3040E	100	From 1987-01-01 to 1988-03-31
Aradan	ARDR	Altayskiy Kray,Russia	52.5800N	93.4300E	950	
Arado	A492	Costa Rica	10.2138N	85.5963W	0	From 2000-01-01
Arafo	TAFO	Canary Islands	28.3566N	16.4263W	768	From 2016-11-04
Araguaiana, MT - Brazil	ARAG	Mato Grosso,Brazil	15.7060S	51.8121W	237	From 2013-09-30
Arahi	RAHZ	North Island,New Zealand	38.9162S	177.0860E	472	From 2008-05-14
Arakani	ARKR	Dagestan,Russia	42.6028N	46.9944E	750	
Arakawa	K06	Iwate,Japan	39.4181N	141.5464E	363	
Araks	AKSZ	Armenia	40.1910N	43.8850E	1160	
Aral	ARLS	Kyrgyzstan	41.8610N	74.3230E	1640	
Aramac airstrip	AXCOZ	Queensland	22.9608S	145.2511E	226	From 2018-11-30
Aranda	RNDA	Australian Capital Territory,Australia	35.2580S	149.0820E	666	From 2007-01-01
Arangoiti	YARA	Spain	42.6477N	1.1902W	1303	From 2009-12-11
Aranguren	EARA	Spain	42.7727N	1.5797W	476	From 2005-07-07
Aranos	ARON	Namibia	24.1355S	19.1200E	222	
Arapaho	V32A	Oklahoma,U.S.A.	35.7202N	99.0437W	533	From 2009-10-29 to 2011-09-01
Arapgir-MALATYA	ARPR	Turkey	39.0929N	38.3356E	1522	From 2013-09-06
Arapuni	ARA	North Island,New Zealand	38.0715S	175.6435E	65	From 1930-07-01 to 1972-10-31
Araqi	ARQ	Oman	23.3366N	56.5219E	400	From 2001-07-01
Arar	NARAR	Saudi Arabia	31.1180N	40.7540E	683	
Arar	SARAR	Saudi Arabia	30.3780N	41.9350E	451	
Ararat	ARRZ	Armenia	39.8540N	44.6970E	850	
ARARIA	ARIA	Bihar	26.1350N	87.4670E	38	From 2018-03-08
Arash bomas	LL65	Tanzania	2.4180S	35.4340E	1958	From 2013-01-22 to 2014-12-06
`Arava Valley	ARVI	Israel	30.6400N	35.1870E		
Araxos	AXS	Greece	38.1962N	21.3763E	97	From 2009-05-27
ARAXOS	ARX	Greece	38.1897N	21.4135E	196	From 2006-01-06
Arbavere	ARBE	Estonia	59.4365N	25.9841E	71	From 2011-01-20
Arbedo Castione, Alpe di Gesero, TI	A062A	Switzerland	46.1808N	9.1126E	1733	From 2015-11-17
Arbois	ARBF	Provence-Cote d'Azur,France	43.4917N	5.3325E	185	From 1998-11-01
Arbon	K15A	Idaho,U.S.A.	42.6852N	112.5305W	1566	From 2007-07-24 to 2009-05-07
Arbon, Evangelische Kirche, TG	SARE	Switzerland	47.5149N	9.4303E	413	From 2014-12-19
Arbuckle	GARM	California,U.S.A.	38.9552N	122.2520W	268	
Arcadia	058A	Florida,U.S.A.	27.0569N	81.8049W	15	From 2012-03-11
Arcadia Dam	ADOK	Oklahoma,U.S.A.	35.6521N	97.3711W	316	
ARCALIA	ARCR	Romania	47.0855N	24.3537E	385	
Arcata	ARC	California,U.S.A.	40.8777N	124.0774W	30	From 1948-02-27
Arcavacata	ACI	Italy	39.3508N	16.2031E	300	From 1976-05-18 to 2015-01-31
Arcavacata di Rende	ACIS	Italy	39.3591N	16.2269E	277	From 2015-06-18
ARCESS Array Beam Reference Point	ARCES	Norway	69.5349N	25.5058E	403	
ARCESS Array Site A0	ARA0	Norway	69.5349N	25.5059E	403	
ARCESS Array Site A1	ARA1	Norway	69.5363N	25.5071E	411	
ARCESS Array Site A2	ARA2	Norway	69.5338N	25.5078E	392	
ARCESS Array Site A3	ARA3	Norway	69.5346N	25.5019E	402	
ARCESS Array Site B1	ARB1	Norway	69.5379N	25.5079E	414	
ARCESS Array Site B2	ARB2	Norway	69.5357N	25.5134E	397	
ARCESS Array Site B3	ARB3	Norway	69.5324N	25.5106E	376	
ARCESS Array Site B4	ARB4	Norway	69.5328N	25.4998E	378	
ARCESS Array Site B5	ARB5	Norway	69.5363N	25.4985E	405	
ARCESS Array Site C1	ARC1	Norway	69.5411N	25.5079E	381	
ARCESS Array Site C2	ARC2	Norway	69.5383N	25.5229E	395	
ARCESS Array Site C3	ARC3	Norway	69.5329N	25.5231E	376	
ARCESS Array Site C4	ARC4	Norway	69.5293N	25.5117E	377	
ARCESS Array Site C5	ARC5	Norway	69.5300N	25.4982E	374	
ARCESS Array Site C6	ARC6	Norway	69.5341N	25.4882E	395	
ARCESS Array Site C7	ARC7	Norway	69.5396N	25.4936E	362	
ARCESS Array Site D1	ARD1	Norway	69.5483N	25.5093E	395	
ARCESS Array Site D2	ARD2	Norway	69.5452N	25.5308E	366	
ARCESS Array Site D3	ARD3	Norway	69.5366N	25.5483E	331	
ARCESS Array Site D4	ARD4	Norway	69.5271N	25.5362E	371	
ARCESS Array Site D5	ARD5	Norway	69.5214N	25.5118E	351	
ARCESS Array Site D6	ARD6	Norway	69.5227N	25.4900E	413	
ARCESS Array Site D7	ARD7	Norway	69.5294N	25.4707E	413	
ARCESS Array Site D8	ARD8	Norway	69.5384N	25.4686E	368	
ARCESS Array Site D9	ARD9	Norway	69.5454N	25.4857E	359	
ARCESS Array Site E0	ARE0	Norway	69.5348N	25.5057E	403	
Arcevia	ARV	Italy	43.4977N	12.9410E	459	From 1983-06-01
Arcevia	ARVD	Italy	43.4981N	12.9415E	461	
Arcevia	ARCV	Italy	43.4948N	12.9396E	621	From 2020-01-24
Archaia Olimpia	AOL1	Greece	37.6433N	21.6248E	50	From 2010-12-01
Archer property, S21	SCR21	Colorado	37.3486N	105.8758W	2309	
Archidona, Tena	ARDO	Ecuador	0.9944S	77.8007W	677	
Archignac	ARH	Aquitaine,France	45.0097N	1.3117E	320	
Arcidosso	ARCI	Italy	42.8519N	11.4754E	1080	From 2005-05-04
Arctic Creek	F14K	Alaska,U.S.A.	65.4742N	166.3288W	266	From 2017-07-19
Arctic Village	E25K	Alaska,U.S.A.	68.1207N	145.5680W	652	From 2016-07-12
Arctowski Station	AAS	South Shetland Islands	62.1600S	58.4625W	15	From 1978-04-01 to 2000-06-29
Arc Triumf Bucuresti	ARCB	Romania	44.4667N	26.0758E	125	From 2018-01-30
Ardahan-G¶lle	GOLE	Turkey	40.8363N	42.5975E	2031	From 2017-12-12
Ardahan-Merkez-Sulakyurt	AHAN	Turkey	41.1639N	42.6244E	1844	From 2017-02-15

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Arden House	ARNY	New York,U.S.A.	41.3032N	74.1145W	430	
Ardez Schule, GR	SARD	Switzerland	46.7766N	10.2049E	1487	From 2015-06-24
Ardmore	AM-OK	Oklahoma,U.S.A.	34.0478N	97.4114W	274	From 1961-12-08 to 1961-12-20
Ardmore	AM-	Oklahoma,U.S.A.	34.0478N	97.4114W	274	From 1961-12-08 to 1961-12-20
Ardon	ARNR	Severo-Osetinskaya,Russia	43.1801N	44.2841E	419	From 2001-01-31
Ardon Commune, VS	SARC	Switzerland	46.2098N	7.2564E	485	From 2018-05-29
Areado	AREB	Brazil	21.3625S	46.1234W	982	
Arecibo	APR	Puerto Rico	18.4422N	66.7247W	50	From 1975-11-14
Arecibo Observatory	AOPR	Puerto Rico	18.3466N	66.7539W	355	
Arenal	PACM	Costa Rica	10.4840N	84.7670W	490	
Arenal	AR1	Costa Rica	10.4586N	84.7322W	595	
Arenal	AREE	Ecuador	1.4823S	78.4213W	4005	
Arenal 1	ARE1	Costa Rica	10.4610N	84.7188W	359	From 2000-01-01
Arenal Observatory Lodge	AROL	Costa Rica	10.4373N	84.7092W	720	
Arenas del Rey	EXAR	Spain	36.9580N	3.8940W	927	
Arenillas	ARNL	Ecuador	3.5478S	80.0670W	44	From 2008-12-17
Arenosillo	ARNO	Spain	37.0988N	6.7322W	45	From 2014-06-01
Areopolis	ARE2	Greece	36.6664N	22.3833E	255	From 2011-09-15
Arequipa	ARE	Peru	16.4621S	71.4913W	2452	
Arette	ATE	Aquitaine,France	43.0858N	0.7003W	480	From 1977-12-01
Arette	NE10	Aquitaine,France	43.0860N	0.6990W	480	From 1982-11-01 to 2001-07-28
Argamason	E044	Spain	38.8620N	2.0725W	807	
Argentiere	OGAG	Provence-Cote d'Azur,France	44.4547N	6.5410E	1300	
Argentine Island	AIA	Antarctic Peninsula	65.2500S	64.2667W	11	From 2001-01-10
Arges	ARR	Romania	45.3675N	24.6336E	871	
Argonia South Station	KAN01	Kansas,U.S.A.	37.1534N	97.7590W	360	From 2014-08-19
Argonia West Station	KAN06	Kansas,U.S.A.	37.2480N	97.8586W	393	From 2014-08-22
Argonne	AO-WS	Wisconsin,U.S.A.	45.6067N	88.9503W	518	
Argonne	AO-	Wisconsin,U.S.A.	45.6067N	88.9503W	518	
Argonne North	ARNI	Idaho,U.S.A.	43.6667N	112.6240W	1553	From 1990-08-14
Argos	ARS1	Greece	37.6348N	22.7293E	55	From 2014-09-20
Argostoli	ARG2	Greece	38.1784N	20.4878E	6	From 2012-09-01
Argostoli (Greece)	KES18	Greece	38.1635N	20.4990E	8	From 2011-09-17 to 2012-04-20
Argostoli (Greece)	KES14	Greece	38.1639N	20.5022E	1	From 2011-09-18 to 2012-04-20
Argostoli (Greece)	KES06	Greece	38.1649N	20.5075E	0	From 2011-09-16 to 2012-04-20
Argostoli (Greece)	KES13	Greece	38.1633N	20.5040E	0	From 2011-09-17 to 2012-04-20
Argostoli (Greece)	KES04	Greece	38.1656N	20.5082E	0	From 2011-09-16 to 2012-04-20
Argostoli (Greece)	KES22	Greece	38.1599N	20.4949E	64	From 2011-09-17 to 2012-04-20
Argostoli (Greece)	KES08	Greece	38.1642N	20.5068E	0	From 2011-09-17 to 2012-04-20
Argostoli (Greece)	KES29	Greece	38.1605N	20.5212E	0	From 2011-09-18 to 2012-04-20
Argostoli (Greece)	KES16	Greece	38.1638N	20.5007E	5	From 2011-09-17 to 2012-04-20
Argostoli (Greece)	KER02	Greece	38.1663N	20.5105E	13	From 2011-09-17 to 2012-04-20
Argostoli (Greece)	KES02	Greece	38.1663N	20.5090E	0	From 2011-09-16 to 2012-04-20
Argostoli (Greece)	KES11	Greece	38.1634N	20.5055E	0	From 2011-09-17 to 2012-04-20
Argostoli. Kephalonia	KEF2	Greece	38.1654N	20.4870E	150	From 2014-01-28 to 2014-05-22
Argostoli. Kephalonia	ARGA	Greece	38.1770N	20.4789E	6	From 2014-02-03
Argyle Ridge	ARGU	Utah,U.S.A.	39.8228N	110.5437W	2828	
Arharly	ARXS	Kazakhstan	44.2130N	77.8270E	1010	From 2000-05-25
Arib	EARB	Algeria	36.3015N	2.0062E	407	
Arica	ARCH	Chile	18.4906S	70.2965W	58	From 2008-10-17
Arica	ARI	Tarapaca,Chile	18.5294S	70.1769W	250	
Ariccia	ARIC	Italy	41.7342N	12.6966E	550	From 2012-08-01
Ariccia, Rome	ARY	Italy	41.7245N	12.6892E	480	From 2018-04-01
Arida	ARD	Wakayama,Japan	34.0859N	135.1620E	40	From 1958-12-01
Arif	ARF	Morocco	31.4330N	4.2190W	1011	
Ariguani, Magdalena	ARGC	Colombia	9.8580N	74.2460W	187	From 2013-04-25
Arik	KRX	Kamchatskaya Oblast',Russia	53.3590N	158.6490E	1413	From 2009-08-01
Arisaig	KAR1	Scotland,United Kingdom	56.9188N	5.8290W	186	From 1983-01-01
Arizona State University	ASU	Arizona,U.S.A.	33.4163N	111.9350W	354	From 1971-11-01
Arjinak	ARDJ	Tajikistan	38.7450N	68.6108E	1439	From 1980-02-03
Arkadiko, PE04	PE04E	Greece	37.6067N	22.9593E	322	
Arkalochori	ARK1	Crete,Greece	35.1488N	25.2642E	384	From 2011-09-15
Arkansas Junction, Hobbs	127A	New Mexico,U.S.A.	32.6764N	103.3575W	1160	From 2008-03-16 to 2010-03-03
Arkaroola	ARKL	South Australia,Australia	30.2760S	139.3390E	520	
Arkdale	I41A	Wisconsin,U.S.A.	44.0592N	89.8697W	289	From 2011-08-03 to 2013-11-09
Arkhangelos	RHD	Greece	36.2161N	28.1261E	170	From 1966-07-10
Arkhangelos	ARG	Greece	36.2161N	28.1261E	170	From 1966-07-10
Arkhangelsk	ARHR	Arkhangel'skaya Oblast',Russia	64.5505N	40.5148E	23	From 2002-11-01
Arkhyz	ARXR	Russia	43.5620N	41.2747E	1501	From 2006-11-17
Arkit	ARK	Kyrgyzstan	41.7980N	71.9630E	1280	
Arlington	R26A	Colorado,U.S.A.	38.3009N	103.4470W	1304	From 2008-11-30 to 2010-10-18
Arlington	CRAN	Kentucky	36.7445N	89.0313W	90	From 1990-05-23
Arlington Trafton Elementary School	ATES	Washington,U.S.A.	48.2364N	122.0592W	62	
Armenia, Quindio	ARMEC	Colombia	4.5561N	75.6604W	1554	From 1996-05-30
Armenia, Volcan Miravalles	VMAR	Costa Rica	10.8125N	85.1137W	531	From 2013-11-10
Armento	ARME	Italy	40.3163N	16.0321E	989	
Armidale	ARMA	New South Wales,Australia	30.4183S	151.6293E	1112	From 1995-09-12
Armstrong Family, Eudora	Z43A	Arkansas,U.S.A.	33.2100N	91.2441W	39	From 2011-04-23 to 2013-02-17
Armutlu	ARKP	Turkey	40.5465N	28.8430E	84	From 2006-02-01
Armutlu	ARMT	Turkey	40.5656N	28.8616E	418	
Army Bay	ABAZ	North Island,New Zealand	36.6002S	174.8323E	74	From 2008-10-13
Army Corps of Engineers Seattle ANSS	ACES	Washington,U.S.A.	47.5595N	122.3411W	55	From 2000-07-06
Arna	ARNS	Norway	60.4500N	5.4700E	30	From 2002-01-01
Arnaia	ARN1	Greece	40.4878N	23.5959E	160	From 2008-09-30
Arnasay	ARNAS	Uzbekistan	40.4962N	67.8568E	266	
Arnica Sink	LASM	California,U.S.A.	41.5993N	121.5770W	2060	
Arnoeviken	ARNU	Sweden	61.6920N	17.3780E	100	From 2000-07-15
Arnold C. Orvedal, Lecompton	Q36A	Kansas,U.S.A.	38.9612N	95.4609W	306	From 2010-05-14 to 2012-03-07
Arnold Ranch	CAOM	California,U.S.A.	37.3493N	121.5330W	628	
Arnold Ranch	ARN	California,U.S.A.	37.3493N	121.5327W	628	
Arnstein	F51A	Ontario,Canada	45.9284N	79.9150W	239	From 2012-11-03
Aroab	AROB	Namibia	26.7983S	19.6473E	789	
Aroley	AFDE	Ethiopia	13.2073N	40.8571E	-83	
Arona	TARO	Canary Islands	28.0486N	16.6717W	114	From 2016-10-29
Aropaoanui	ARHZ	North Island,New Zealand	39.2631S	176.9959E	214	From 2010-03-11
Arp	ARPT	Tennessee,U.S.A.	35.7560N	89.6733W	122	
Arpino	LRP	Italy	41.6471N	13.5866E	317	From 2011-04-27
Arquata del Tronto	AQT1	Italy	42.7738N	13.2935E	770	From 2006-02-08
Arquata del Tronto, Frazione Forca Canapine (AP)	T1214	Italy	42.7595N	13.2087E	1489	From 2016-08-24 to 2018-04-27
Arquata del Tronto, Frazione Spelonga (AP)	T1244	Italy	42.7570N	13.2978E	949	From 2016-08-26 to 2017-09-02
Arquipelago de Sao Pedro e Sao Paulo - PE, Brazil	ASPSP	Brazil	0.9169N	29.3460W	15	
Arraijan, Panama	ARRA3	Panama	8.9660N	79.6570W	50	From 2010-01-01
Arraiolos	PARRA	Portugal	38.8153N	9.0402W	261	From 2019-06-03
Ar Rass	ARSS	Saudi Arabia	25.8810N	43.2365E	720	
Arrayan	ARRY	Ecuador	1.5063S	78.4552W	2900	From 1994-10-29
Ar Rayis	NSAFS	Saudi Arabia	23.4901N	38.8201E	94	
Ar Rayn	RAYN	Saudi Arabia	23.5225N	45.5032E	631	
Arriaga	CARR	Chiapas	16.2473N	93.9125W	57	
Ar Rifa	BRF	Bahrain	26.0733N	50.5833E		
Arriondas	EARI	Spain	43.3012N	5.2099W	680	
Arrone	ARRO	Italy	42.5792N	12.7656E	253	From 2011-10-01
Arroyo de San Servan	E036	Spain	38.8498N	6.4373W	316	
Arroyo Pinares	AAPN	Spain	37.3077N	4.1210W	1160	
Arroyo Seco	AASM	California,U.S.A.	38.4300N	121.1090W	65	
Arroyo Zacate	NEUV	Veracruz	17.7127N	95.8020W	80	
Arsdorf	ARSD	Luxembourg	49.8644N	5.8570E	390	From 2009-12-02
Arshan	ARS	Irkutskaya Oblast',Russia	51.9203N	102.4233E	970	
Arslanbob	ARSB	Kyrgyzstan	41.3240N	72.9820E	1510	
Arsuz	ARST	Turkey	36.4550N	35.9400E	35	From 1997-03-01
Art	433A	Texas,U.S.A.	30.7544N	99.0910W	447	From 2009-11-10 to 2011-10-02
Arta	ARTB	Greece	39.1571N	20.9787E	22	
Arta	ART2	Greece	39.1476N	20.9938E	195	From 2012-09-01
Arta	ART	Djibouti	11.5212N	42.8378E	710	From 1972-04-01 to 1976-12-31
Arta Grotte	AGD	Djibouti	11.5290N	42.8240E	450	From 1985-03-09
Arta Observatory	ARO	Djibouti	11.5253N	42.8458E	718	From 1972-12-01
Arta Tunnel	ATD	Djibouti	11.5300N	42.8470E	610	
Artemida-Makistos	AMT	Greece	37.5324N	21.7089E	481	From 2008-12-22
Arthez-de-Bearn	ARTL	Aquitaine,France	43.4561N	0.5881W	210	
Arti	ARU	Sverdlovskaya Oblast',Russia	56.4293N	58.5615E	260	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Arti	ARTI	Sverdlovskaya Oblast'	56.3879N	58.3849E	315	From 2017-12-15
Artic	ARTS	Armenia	40.5733N	43.9983E	2300	
Artigues	ARTF	Provence-Cote d'Azur,France	43.5870N	5.8050E	513	
Artvin	ARTV	Turkey	41.1849N	41.9283E	2034	From 2005-08-05 to 2015-05-06
Artvin, Merkez, Deriner Baraji	DRNR	Turkey	41.1732N	41.8723E	440	From 2015-05-05
Artybash	ARTR	Altayskiy Kray,Russia	51.7980N	87.2810E	464	From 1980-07-26
Artyk	AYK2	Sakha,Russia	64.2050N	145.1320E	707	From 2002-04-25
Artyk	ATKR	Sakha,Russia	64.1800N	145.1333E	700	
Aruba	AUA1	Venezuela	12.5055N	70.0105W	17	
Aruch	ARUZ	Armenia	40.2830N	44.0910E	1200	
Arundel	ARCZ	South Island,New Zealand	43.9470S	171.1767E	462	From 2014-05-13
Arusha	ARSH	Tanzania,United Republic of Tanzania	3.3855S	36.7213E	879	
Arusha	ARTT	Tanzania,United Republic of Tanzania	2.7256S	36.2817E		From 1993-01-01
Arviat, NU	ARVN	Nunavut,Canada	61.0898N	94.0648W	-16	From 2006-08-14
Arvin	ARVC	California,U.S.A.	35.1269N	118.8301W	258	From 1983-09-15
Arzberg	ARSA	Austria	47.2505N	15.5232E	577	From 1997-06-20
Arzignano	VARZ	Italy	45.5258N	11.3346E	199	From 2008-09-20
Asacha	ASAK	Kamchatskaya Oblast',Russia	52.3830N	157.9000E	922	From 2008-12-23
Asacha	ASHS	Kamchatskaya Oblast',Russia	52.3000N	157.9800E	386	From 1983-03-01 to 1983-04-01
Asagicarikuru	ASAT	Turkey	40.6936N	30.7439E	100	
Asahigawa	AHS	Shiribeshi,Japan	43.1339N	141.0460E	170	From 1974-04-20 to 1974-12-10
Asahikawa	ASA	Kamikawa,Japan	43.7700N	142.3730E	112	
Asahikawa	ASAJ	Kamikawa,Japan	44.1165N	142.5968E	220	From 1978-01-01
Asama Observatory	AVOE	Nagano,Japan	36.4011N	138.5720E	1406	From 1933-01-01
Asamaranda, VASAV	VVASA	Vanuatu	15.7335S	167.2393E	23	
Asama Yama	ASM	Nagano,Japan	36.4000N	138.5670E		
Asayita	ASYE	Ethiopia	11.5607N	41.4422E	370	
Ascension	ASCN	Ascension	7.9327S	14.3601W	173	From 1994-10-01
ASCENSION HYDROACOUSTIC SITE N1	H10N1	Ascension	7.8457S	14.4802W	-2772	From 2010-01-24
ASCENSION HYDROACOUSTIC SITE N2	H10N2	Ascension	7.8278S	14.4875W	-2894	From 2010-01-24
ASCENSION HYDROACOUSTIC SITE N3	H10N3	Ascension	7.8409S	14.5017W	-2891	From 2010-01-24
ASCENSION HYDROACOUSTIC SITE S1	H10S1	Ascension	8.9412S	14.6484W	-2605	From 2010-01-24
ASCENSION HYDROACOUSTIC SITE S2	H10S2	Ascension	8.9591S	14.6453W	-2609	From 2010-01-24
ASCENSION HYDROACOUSTIC SITE S3	H10S3	Ascension	8.9527S	14.6629W	-2566	From 2010-01-24
Ascension Island Hydrophone Array Site 19	ASH19	Ascension	7.8250S	14.6020W	-125	
Ascension Island Hydrophone Array Site 21	ASH21	Ascension	7.9870S	14.4950W	-810	
Ascension Island Hydrophone Array Site 23	ASH23	Ascension	8.0697S	14.4175W	-841	
Ascension Island Hydrophone Array Site 24	ASH24	Ascension	8.0557S	14.4490W	-777	
Ascension Island Hydrophone Array Site 25	ASH25	Ascension	8.9465S	14.6500W	-1646	
Ascension Island Hydrophone Array Site 26	ASH26	Ascension	8.9440S	14.6180W	-1661	
Ascension Island Hydrophone Array Site 27	ASH27	Ascension	7.8530S	14.3660W	-770	
Ascension Island Hydrophone Array Site 29	ASH29	Ascension	7.9490S	14.2660W	-824	
ASCENSION ISLAND INFRASONIC ARRAY REFERENCE POINT	I50GB	Ascension	7.9377S	14.3752W	189	From 2005-04-14
Aschau i T	A036A	Austria	47.3789N	12.3084E	1020	From 2015-12-09
Ascoli Piceno (IT)	ASCL	Italy	42.8526N	13.5771E	157	From 2019-05-30
Ascoli Pisceno	ALP	Italy	42.7803N	13.5761E	1370	From 1979-01-01
Ascot Lane Oakland	C013	California,U.S.A.	37.8238N	122.1886W	403	From 2009-06-03
Asem Bagus	ABJI	Jawa,Indonesia	7.7957S	114.2342E	0	From 2007-12-01
Aserradero	ASE	Nicaragua	12.4747N	87.1903W		From 1977-02-03 to 1980-12-31
Aserri	ASRI	Costa Rica	9.8646N	84.1192W	1666	From 2011-12-26
Asgata	ASGA	Cyprus	34.7860N	33.2480E	217	From 2013-07-01
Ashburton	ADCS	South Island	43.9041S	171.7474E	111	
Ashes, Strandquist	B32A	Minnesota,U.S.A.	48.3951N	96.5363W	335	From 2010-08-14 to 2012-06-09
Asheville	AVNC	North Carolina,U.S.A.	35.6240N	82.5310W	943	
Ashfield	BASO	Ontario,Canada	44.0133N	81.6648W	185	From 2007-08-01
Ash Flat	AFAR	Arkansas,U.S.A.	36.1333N	91.5312W	239	
Ashford Hill	AFH	England,United Kingdom	51.3439N	1.2197W	91	
Ashibetsu	JAB	Sorachi,Japan	43.5045N	142.2232E	187	
Ashikaga	JAG	Tochigi,Japan	36.4250N	139.4533E	241	
Ashiyiah	ASHO	Oman	24.6839N	56.0583E	546	From 2004-12-01
Ashizuri	ASZ	Kochi,Japan	32.7200N	133.0133E	32	From 1962-01-01
Ashkhabad	ASHT	Turkmenistan	37.9421N	58.3847E	262	From 2009-12-06
Ashkhabad	ASH	Turkmenistan	37.9500N	58.3500E	220	
ASHL	ASHL	Israel	31.0060N	34.6430E	140	From 1982-08-01 to 1985-09-30
Ashland	N51A	Ohio,U.S.A.	40.9183N	82.3748W	343	From 2012-08-28
Ashland	ALO	Oregon,U.S.A.	42.2000N	122.7000W	720	
Ashland	Z50A	Alabama,U.S.A.	33.2540N	85.9226W	370	From 2011-12-22
Ashley	ASHY	South Island	43.2761S	172.5958E	47	
Ash Meadows, Armagosa	U10A	Nevada,U.S.A.	36.4193N	116.3297W	668	From 2006-06-17 to 2008-10-15
Ashnola River, Keremeos	A07A	British Columbia,Canada	49.0480N	120.3837W	1842	From 2006-10-14 to 2008-06-17
Ashorobuto	JAR	Kushiro,Japan	43.2968N	143.7695E	210	
Ashpeak Ranch, Duncan	119A	Arizona,U.S.A.	32.7663N	109.3029W	1406	From 2007-03-11 to 2009-01-18
Ashqof	ASHJ	Jordan	32.3440N	37.6190E	1100	
Ash Shaalaniyah	HIL04	Saudi Arabia	27.7604N	42.7616E	732	
Ash Shuqayq	HIL03	Saudi Arabia	27.2534N	40.7954E	1056	
Ashtabula EMA	ACEO	Ohio,U.S.A.	41.7490N	80.7680W	293	
Ashtian	ASAO	Iran	34.5480N	50.0253E	2217	From 1998-03-28
Ashton Mining of Canada property	YOSQ	Quebec,Canada	52.8666N	72.1998W	649	From 2005-06-26
Asiago	ASGO	Italy	45.8667N	11.5253E	1084	From 2019-02-20
Asilah	BJDH	Saudi Arabia	24.0900N	43.3970E	1081	
ASIR1	ASIR1	Saudi Arabia	18.6104N	42.9233E	1885	
ASIR2	ASIR2	Saudi Arabia	18.0950N	43.2710E	2243	
ASIR3	ASIR3	Saudi Arabia	18.6960N	42.3700E	2183	
ASIR4	ASIR4	Saudi Arabia	19.6650N	42.3940E	1346	
ASIR5	ASIR5	Saudi Arabia	18.9480N	43.2450E	1491	
Askersund	ASKU	Sweden	58.8946N	14.8288E	150	From 2002-03-25
Askja	IASK	Iceland	65.0519N	16.6482W	955	From 2007-09-21
Askoy	ASK	Norway	60.4830N	5.1950E	50	From 1983-01-01
ASL Pad, Albuquerque Seismic Lab	TASM	New Mexico,U.S.A.	34.9455N	106.4600W	1862	From 2012-05-01
Asmera	ASME	Eritrea	15.3500N	38.9300E	2420	From 1988-01-01
Asmuli	IASM	Iceland	63.8340N	20.6150W	22	From 1990-01-03
Aso	ASO	Kumamoto,Japan	32.8833N	131.0170E	568	From 1928-01-01 to 1999-08-25
Asolfsskalaheidi	IASO	Iceland	63.5966N	19.7311W	673	From 2010-12-17
Asolo	ASOL	Italy	45.8003N	11.9023E	181	From 2011-11-17
Asolo, Italy	MASO	Italy	45.8040N	11.9164E	365	From 2010-06-22
Aso san	ASJ	Kumamoto,Japan	32.8767N	131.0750E	1143	
Asosa University, Asosa	ASOS	Ethiopia,Ethiopia	10.0911N	34.5644E	1581	From 2014-03-22 to 2015-02-11
Aspermont	APMT	Texas,U.S.A.	33.3251N	100.1215W	501	From 2016-12-16
Aspremont	ASPF	Provence-Cote d'Azur,France	43.7682N	7.2583E	850	
Aspurt	YASP	Spain	42.7292N	1.1634W	692	From 2010-05-01
Aspy Farms, Fremont	M34A	Nebraska,U.S.A.	41.5025N	96.5830W	415	From 2010-05-30 to 2012-04-23
Asqua	ASQU	Italy	43.7967N	11.7893E	860	From 2007-10-25
Assab	ASSBE	Eritrea	13.0628N	42.6545E	191	
As Saff	HSAF	Egypt	29.6187N	31.5538E	450	
Assam	BKOA	Assam,India	25.9833N	91.2667E	50	
Assam	NGJA	Assam,India	26.7067N	91.6750E	60	
Asse, Remlingen/Germany	ASSE	Germany	52.1303N	10.6729E	-809	From 2007-07-01
Assergi	RM28	Italy	42.4024N	13.5486E	1482	From 2009-06-19 to 2009-08-31
Assisi	ASS	Italy	43.0630N	12.6517E	805	From 1983-05-01
Assisi San Benedetto	ASSB	Italy	43.0426N	12.6587E	734	From 2008-06-11
Astakos	AST1	Greece	38.5416N	21.0895E	3	From 2011-07-01
Astara	ASTR	Azerbaijan	38.5600N	48.7910E	148	From 2010-11-29
Astara - Iran	GAS1	Iran	38.3861N	48.8405E	29	From 2016-07-18
Asti	ASTI	Italy	44.9072N	8.2016E	173	From 2019-07-31
Astolofo Dutra	ATDB	Minas Gerais,Brazil	21.2900S	42.8606W		From 1995-12-01
Astor Pass	APNR	Nevada,U.S.A.	40.2300N	119.8665W	1471	
Astronaut Butte, Newberry	ASBU	Oregon,U.S.A.	43.8206N	121.3684W	1538	From 2011-11-16
Astypalaia	ASTA	Greece	36.5454N	26.3528E	65	
Aswan	ASW	Egypt	24.0782N	32.8888E	132	From 1975-10-01
Atacazo Ninahuilca	NINA	Ecuador	0.3903S	78.6185W	4000	From 2012-05-04
Atahualpa	ATAH	Peru	7.1351S	78.3944W	3165	
Atalanti	ATAL	Greece,Greece	38.6926N	23.0213E	290	From 2008-01-01
`Ataq	ATAQ	Yemen	14.5333N	46.8083E	0	
Atar	ATA	Djibouti	11.4537N	43.2052E	50	From 1972-04-01
Atar 1	ATR1	Israel	30.9700N	34.6300E	200	
Atarfe	AETJ	Spain	37.2360N	3.6880W	794	
Atchley Ranch, Grenville	U26A	New Mexico,U.S.A.	36.3945N	103.7439W	1861	From 2008-05-11 to 2010-04-19
Athabasca	ATHA	Alberta,Canada	54.7137N	113.3137W	551	From 2012-10-19
Athalassa	ATHAL	Cyprus	35.1410N	33.3960E	160	From 2013-07-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Athens-Acharnes	ACHAR	Greece	38.0746N	23.7413E	183	
Athens-Acropolis a	ACRA	Greece	37.9716N	23.7278E	131	
Athens-Acropolis e	ACRE	Greece	37.9718N	23.7279E	128	
Athens-Acropolis k	ACRK	Greece	37.9713N	23.7282E	128	
Athens-Drapetsona	DRPA	Greece	37.9474N	23.6302E	18	
Athens-Elefsina	ELFA	Greece	38.0447N	23.5405E	9	
Athens-Neo Psichiko	ATHP	Greece	38.0008N	23.7735E	187	
Athens Obs.	ATU	Greece	37.9722N	23.7167E	95	From 1892-01-01
Athens Observatory	ATH	Greece	37.9722N	23.7167E	95	From 1892-01-01
Athens Parliament	ATH5	Greece	37.9754N	23.7371E	50	From 2014-01-31
Athens-Thissio	NOAC	Greece	37.9733N	23.7176E	93	
Athens University	ATHU	Greece,Greece	37.9665N	23.7845E	308	From 2008-01-20
Athinios (Pelekanos)	THT1	Greece	36.3858N	25.4296E	0	From 2011-03-25
Atibaia	VAO2	Sao Paulo,Brazil	23.2250S	46.5417W	1120	From 1993-07-01
Atico	ATI	Peru	16.1711S	73.6203W	300	
Atikokan Iron Mine	ATKO	Ontario,Canada	48.8231N	91.6004W	382	
Atka	AA-IS	Alaska,U.S.A.	52.2117N	174.2036W	6	
Atka Island	ATKA	Alaska,U.S.A.	52.2027N	174.1955W	55	
ATLACOMULCO	ATVM	Mexico	19.7618N	99.8410W	2527	From 2009-01-01
Atlanta	I12A	Idaho,U.S.A.	43.7945N	115.1328W	1849	From 2007-08-05 to 2009-07-28
Atlanta	ATL	Georgia,U.S.A.	33.4333N	84.3375W	272	From 1963-06-21
Atlantic LNG	ALNG	Trinidad and Tobago	10.1814N	61.6882W		
Atlas Peak	NAPC	California,U.S.A.	38.4395N	122.2527W	716	
Atlin	P32M	British Columbia,Canada	59.5898N	133.7147W	793	From 2016-06-02
Atluck Lake	ATLB	British Columbia,Canada	50.2184N	127.0600W	266	From 2005-04-21
Atoka	AK-OK	Oklahoma,U.S.A.	34.3683N	96.0572W	183	From 1962-06-17 to 1962-06-28
Atoka	AK-	Oklahoma,U.S.A.	34.3683N	96.0572W	183	From 1962-06-17 to 1962-06-28
Atoyac	ATYC	Guerrero	17.2133N	100.4322W	51	
Atsumi	ATM	Yamagata,Japan	38.5650N	139.6620E	180	From 1968-09-15
Atsumi	JYA	Yamagata,Japan	38.5930N	139.7138E	200	
Atsumi	JAA	Aichi,Japan	34.6317N	137.1433E	30	
Attachie	ATC	British Columbia,Canada	56.2300N	121.4500W		
At Ta'if	TAIF	Saudi Arabia	21.2920N	40.3540E	1680	From 1989-02-01
Attica	ATT	New York,U.S.A.	42.8358N	78.1942W	470	From 1971-07-01 to 1976-01-16
Attock	CAM2	Pakistan	33.7350N	72.2340E	302	From 2009-09-20
Attu	ATTUG	Greenland	67.9400N	53.6200W	1	From 2019-06-02
Attu Island--Fox	FX1	Alaska,U.S.A.	52.8821N	173.1643E	250	From 1993-07-01
Attu Island--Fox	ATTU	Alaska,U.S.A.	52.8821N	173.1643E	250	From 1993-07-01
At Turbah	TRBA	Yemen	13.2310N	44.1150E	1860	
Atwood	P29A	Kansas,U.S.A.	39.6021N	100.9316W	929	From 2009-05-13 to 2011-04-03
Auburn	ABRN	New York,U.S.A.	42.9963N	76.4853W	224	
Auburn	ABN	Nebraska,U.S.A.	40.3911N	95.8506W	294	From 1977-11-18
Auburn Dam	ADC	California,U.S.A.	38.9448N	120.9680W	524	From 1972-02-01 to 1983-05-16
Auburn Hatchery	AHID	Idaho,U.S.A.	42.7654N	111.1004W	1960	
Auburntown	ABTN	Tennessee,U.S.A.	35.8855N	86.1090W	363	From 1984-01-01
Auca	AUCA	Ecuador	0.5500S	76.9000W	500	From 2012-08-14
Auchinoon	EAU	Scotland,United Kingdom	55.8454N	3.4474W	359	From 1969-01-01
Auckland	AUC	North Island,New Zealand	36.8607S	174.7777E	79	From 1941-04-04 to 1994-06-12
Augrabies	AUGR	Cape Province,South Africa	28.5940S	20.3380E	619	From 2011-03-30
Augspurger Mountain	APM	Washington,U.S.A.	45.7361N	121.6810W	865	
Augst-Roemermuseum	SAUR	Switzerland	47.5339N	7.7228E	290	From 2006-03-23
Augusta	H39A	Wisconsin,U.S.A.	44.6797N	91.2833W	345	From 2011-08-12 to 2013-06-06
Augusta	AG-ME	Maine,U.S.A.	44.3728N	69.6628W	152	
Augusta	HAGA	Sicily,Italy	37.2850N	15.1550E	126	From 1994-05-01
Augusta	AG-	Maine,U.S.A.	44.3728N	69.6628W	152	
Augusta-Monte Tauro	AGST	Sicily,Italy	37.2565N	15.2271E	70	
Auguste-Victoria Mine North	BAVN	Nordrhein-Westfalen,Germany	51.7380N	7.1220E	65	From 2011-02-21
Augustine Cone H	AUCH	Alaska,U.S.A.	59.3626N	153.4447W	916	From 2013-08-20
Augustine Domo	AUD	Alaska,U.S.A.	59.3626N	153.4260W	1208	From 1994-09-06
Augustine Flow	AUF	Alaska,U.S.A.	59.3878N	153.4590W	165	From 1975-09-01
Augustine H	AUH	Alaska,U.S.A.	59.3639N	153.4430W	890	From 1978-12-01
Augustine Island	AU2	Alaska,U.S.A.	59.3703N	153.3780W	195	
Augustine Island	AUE	Alaska,U.S.A.	59.3590N	153.3720W	172	
Augustine Island	AUI	Alaska,U.S.A.	59.3352N	153.4270W	293	From 1978-04-01
Augustine Island	AGI	Alaska,U.S.A.	59.3800N	153.4200W	580	From 1971-08-01 to 1976-01-31
Augustine Juegen Kienle	AUJK	Alaska,U.S.A.	59.3500N	153.4085W	377	
Augustine Junction	AUJA	Alaska,U.S.A.	59.4100N	153.4161W	22	From 2013-08-20
Augustine Lava	AUL	Alaska,U.S.A.	59.3822N	153.4350W	360	From 1980-10-29
Augustine Mound	AU22	Alaska,U.S.A.	59.3702N	153.3573W	105	From 2006-09-01
Augustine Mound	AUM	Alaska,U.S.A.	59.3708N	153.3530W	105	From 1975-09-01
Augustine NWest	AUNW	Alaska,U.S.A.	59.3782N	153.4768W	160	
Augustine Pinnacle	AUP	Alaska,U.S.A.	59.3623N	153.4210W	1033	From 1977-09-22
Augustine Qik'rtamen	AUQ	Alaska,U.S.A.	59.3549N	153.4143W	647	From 2013-08-20
Augustine SEast	AUSE	Alaska,U.S.A.	59.3414N	153.3975W	152	
Augustine-Summit	AGU	Alaska,U.S.A.	59.3600N	153.4310W	1226	From 1990-09-01
Augustine West	AUW	Alaska,U.S.A.	59.3701N	153.4710W	276	From 1986-07-01
Auke Bay	ABF	Alaska,U.S.A.	58.3813N	134.6430W	3	From 1980-10-27
Auki	AUK	Solomon Islands,Papua New Guinea	8.7617S	160.7030E	91	
Aumenau	GWBC	Hessen,Germany	50.3938N	8.2696E	180	From 2001-12-04
Äli-Bayramli	ALIB	Azerbaijan	39.9580N	49.0060E	73	From 2003-08-01
Äppelbo	APO	Sweden	60.5390N	13.9280E	340	From 1969-01-01
Aurakhmat	AUR	Uzbekistan	41.5833N	70.1167E		
Auriere	AURF	Provence-Cote d'Azur,France	43.8873N	7.3275E	1040	
Aurillac	ACDF	Auvergne,France	44.9300N	2.4400E	640	From 2007-05-03
Aurora	AR-WS	Wisconsin,U.S.A.	45.6967N	88.1422W	381	From 1962-06-06 to 1962-10-05
Aurora	AR-	Wisconsin,U.S.A.	45.6967N	88.1422W	381	From 1962-06-06 to 1962-10-05
Aurora	Q49A	Indiana,U.S.A.	39.0050N	84.8956W	264	From 2012-06-24
Aus	AUSN	Namibia	26.6700S	16.2600E	1496	
Au Sable	ASNY	New York,U.S.A.	44.5340N	73.6740W	0	
Ausora	ASOR	Uttar Pradesh,India	28.7558N	77.7722E	0	
Aussois	OG24	Rhone-Alpes,France	45.2217N	6.7357E	1495	From 1993-12-17
Austin	P09A	Nevada,U.S.A.	39.5516N	117.1395W	1737	From 2006-04-14 to 2008-03-08
Austin	AUS	Texas,U.S.A.	30.2833N	97.7833W		
Austin	AT-	Nevada,U.S.A.	39.4814N	117.0739W	1981	From 1962-01-15 to 1963-07-01
Austin	ATX	Texas,U.S.A.	30.3144N	97.8667W	280	
Austin	AT-NV	Nevada,U.S.A.	39.4814N	117.0739W	1981	From 1962-01-15 to 1963-07-01
Austin Creek State Park	AUSC	California	38.5606N	123.0087W	470	From 2019-06-01
Austmannsbunga	IAUS	Iceland	63.6723N	19.0808W	1373	From 2011-12-15
Autrey-Les-Gray, 70041, Haute-Saone, Franche-Comte	A213A	France	47.4967N	5.4799E	282	From 2016-04-01
Avacha	AVH	Kamchatskaya Oblast',Russia	53.2650N	158.7380E	900	
Avala Beograd	AVAS	Serbia	44.6960N	20.5132E	441	From 2017-08-27
Avaraart Lake	F20K	Alaska,U.S.A.	67.0486N	155.7251W	136	From 2017-07-22
Avcilar-stanbul	AVCI	Turkey	40.9958N	28.7225E	90	From 2014-01-30
Avdancik/Bursa	AVDN	Turkey	40.2933N	29.1646E	431	From 2013-05-08
Avdira	XANC	Greece	40.9798N	24.9529E	40	
Avella	O54A	Pennsylvania,U.S.A.	40.1821N	80.3778W	357	From 2012-12-14
Avellanes	AVN	Spain	41.8837N	0.7518E	630	
Avellino	AVL	Italy	40.9228N	14.7870E	422	From 2002-06-26
Ave Maria	059Z	Florida,U.S.A.	26.3373N	81.4432W	8	From 2012-03-13
Avenal, CA USA	AVNL	California	36.0158N	120.2941W	341	From 2019-02-01
Avenue Ruel MTQ2	RUEQ	Quebec	46.8718N	71.1637W	6	From 2017-03-01
Averroes	AVE	Morocco	33.2981N	7.4133W	230	From 1937-06-01
Avery, Jackson	244A	Mississippi,U.S.A.	32.0422N	90.6856W	59	From 2011-03-19 to 2013-01-22
Avery Point	APT	Connecticut,U.S.A.	41.3160N	72.0639W	3	From 1972-01-07 to 1977-06-01
Avezzano	AZI	Italy	41.9884N	13.4357E		From 1987-01-01 to 1994-12-31
Avigliano	UVAG	Italy	42.6522N	12.4276E	493	From 2008-02-20
Avigliano	AVG3	Italy	40.7619N	15.7251E	1213	
Avinyo	AVIN	Spain	41.8438N	1.9655E	334	From 2010-10-19
Avlonas	S027	Greece	38.2370N	23.6660E	474	
Avola	HAVL	Sicily,Italy	36.9600N	15.1250E	455	From 1994-05-01
Avon	AVO	New South Wales,Australia	34.3764S	150.6150E	532	From 1958-01-01
Avondale Springs	ASTN	Tennessee,U.S.A.	36.3270N	83.4760W	730	
Avonos	AVNT	Turkey	38.7794N	34.8553E	1584	From 1998-01-01
AVREN	AVR	Bulgaria	43.1196N	27.6691E	304	From 2006-10-01
Avril sur Loire	AVF	Bourgogne,France	46.7906N	3.3526E	225	From 1977-10-19
Avril sur Loire	AVFP	Bourgogne,France	46.7919N	3.3569E	200	
AVT- Casa Castalda	ATCC	Italy	43.1851N	12.6399E	556	From 2009-12-16
AVT- Montelovesco	ATLO	Italy	43.3152N	12.4073E	583	From 2009-11-11
AVT- Monte Tezio	ATTE	Italy	43.1979N	12.3536E	928	From 2009-12-24

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
AVT- Monte Valcinella	ATVA	Italy	43.2786N	12.2853E	604	From 2009-11-11
AVT- Monte Valentino	ATVO	Italy	43.3821N	12.4066E	637	From 2009-10-27
Awaji shima	JAJ	Hyogo,Japan	34.3357N	134.9078E	109	
Awajishima-nagasawa	JAWN	Hyogo,Japan	34.4853N	134.9025E	211	From 2014-03-20
Awakeri	AWANZ	New Zealand	38.0168S	176.8620E	49	
Awash	AWSE	Ethiopia	8.9897N	40.1700E	921	
Awa shima	JAW	Niigata,Japan	38.4562N	139.2487E	70	
Awhitu Peninsula	AWAZ	North Island,New Zealand	37.0638S	174.6429E	-268	From 2010-12-14
Awka	AWKA	Nigeria	6.2427N	7.1116E	50	
Awoonga Dam	AWOON	Queensland,Australia	24.0773S	151.3147E	553	
Awoonga Dam 3	AWDQ	Queensland,Australia	24.0478S	151.3157E	110	From 1987-07-01
Awra	AWEE	Ethiopia	12.0673N	40.0719E	836	
AWRE	AWRE	Ethiopia	12.0659N	40.0715E	846	
Ayacara	AYCA	Patagonia	42.2906S	72.6996W	65	From 2010-01-01
Ayacucho	AYAC	Peru	13.1510S	74.2060W	2761	
Ayacucho	PP07	Peru	13.0833S	74.2500W	2800	
Ayagualo	AYA	El Salvador	13.6294N	89.2894W		
Ayamonte	EXAYA	Spain	37.2229N	7.4052W	37	
Aya Nagar	AYAN	Delhi,India	28.4822N	77.1267E		From 2001-03-13
Ayaqueme	AYVM	Mexico D.F.,Mexico	19.1678N	98.9542W	2924	
Ayas K¶y, Merkez, ORUM	AYAZ	Turkey	40.6790N	34.8574E	1122	From 2018-10-13
Aybut	ABTO	Oman	17.3538N	53.2966E	650	From 2001-07-01
Aydn-Nazilli-Esenk¶y	ESEN	Turkey	37.7981N	28.3484E	92	From 2017-12-17
Aydincik	AYK	Turkey	36.1522N	33.3269E	50	From 1988-01-01
Aydin, Didim	DDIM	Turkey	37.4571N	27.2414E	93	From 2014-12-04
Aydıntepe-Bayburt	BAYT	Turkey	40.3935N	40.1410E	1675	From 2008-09-12
Ayenquera	AYE	Peru	17.0133S	71.6719W	240	
Ayent-Fortunoz Trafohaus, VS	SAYF2	Switzerland	46.2880N	7.4170E	1024	From 2015-04-29
Ayikyak River	D22K	Alaska,U.S.A.	68.8799N	152.6821W	532	From 2017-08-17
Aykdinkavak	AYKD	Turkey	37.4144N	36.8067E	580	From 2009-02-07
`Aynunah	AYUS	Saudi Arabia	28.1889N	35.2689E		
Ayrk	AYRK	Armenia	40.1155N	45.7877E	2158	
Ayr State High School	AUAYR	Queensland,Australia	19.5800S	147.4100E	13	From 2013-08-11
Ayseler	AYS	Turkey	36.8955N	31.5736E	565	From 1977-02-01
Ayvalik	AYVA	Turkey	39.3083N	26.6903E	82	From 2003-10-24
Azai	AZJ	Shiga,Japan	35.4772N	136.3239E	370	
Azaras, Argentina	AZCA	Parana	28.0799S	55.9832W	212	From 2016-08-16
Azarshahr	IAZR	Iran	37.6783N	45.9800E	2300	From 1995-08-01
Azcapotzalco	APVM	Mexico D.F.	19.4880N	99.2085W	2210	
Azle	FW06	Texas,U.S.A.	32.9726N	97.5569W	233	From 2016-10-20
Azmana	AZMN	Georgia	41.3172N	43.2861E	1755	From 2013-11-06
zmir-demi-Balabanl	IZMR	Turkey	38.1367N	27.9522E	168	From 2017-02-13
zmir-Dikili-Delikta	IZMD	Turkey	38.9842N	26.9281E	1021	From 2018-01-01
zmir-Karaburun	KARB	Turkey	38.6635N	26.4120E	207	From 2017-02-12
zmir-Kiraz	KIRA	Turkey	38.1966N	28.4005E	1089	From 2017-12-17
Aznalcollar, Sevilla	E017	Spain	37.5720N	6.2290W	259	From 2007-11-15 to 2009-06-19
Azuc	AZUC	Colombia	3.6940N	76.1360W	3680	
Azucar	AZ1C	Colombia	3.7310N	76.1118W	3980	
Azuela	AZU1	Ecuador	0.0825S	77.5905W	1766	From 2003-04-22
Azuero	AZU	Panama	7.7917N	80.2740W	14	
B01	B01	Germany	50.6140N	6.6320E	345	
B02	B02	Germany	50.5760N	6.9450E	400	
B03	B03	Germany	50.6480N	7.3070E	320	
B04	B04	Germany	50.5730N	7.6870E	270	
B05	B05	Germany	50.4810N	6.5670E	500	
B06	B06	Germany	50.4300N	6.7730E	500	
B07	B07	Germany	50.4820N	7.0290E	230	
B08	B08	Germany	50.4630N	7.1680E	355	
B09	B09	Germany	50.4880N	7.4750E	150	
B10	B10	Germany	50.3350N	6.5770E	550	
B11	B11	Germany	50.3530N	6.8230E	435	
B12	B13	Germany	50.3690N	6.9690E	380	
B13	B13	Germany	50.3500N	7.3680E	140	
B14	B14	Germany	50.3460N	7.7490E	395	
B15	B15	Germany	50.2120N	6.9810E	425	
B16	B16	Germany	50.2210N	7.2350E	315	
B17	B17	Germany	50.2090N	7.4950E	320	
B18	B18	Germany	50.1650N	6.2070E	540	
B19	B19	Germany	50.1810N	6.5240E	540	
B20	B20	Germany	50.0510N	6.2990E	465	
B21	B21	Germany	50.0370N	6.5880E	345	
B22	B22	Germany	50.0320N	7.5180E	435	
B23	B23	Germany	49.9170N	6.3450E	345	
B24	B24	Germany	49.9210N	6.5740E	340	
B26	B26	Germany	49.9040N	7.3920E	400	
B27	B27	Germany	49.9010N	7.7140E	350	
B29	B29	Germany	49.7190N	6.7940E	450	
B30	B30	Germany	49.7590N	7.2400E	440	
B32	B32	Germany	49.7620N	7.7900E	250	
B33	B33	Germany	49.7620N	8.1860E	165	
B34	B34	Germany	49.5210N	7.7120E	280	
B35	B35	Germany	49.5160N	6.6090E	180	
B36	B36	Germany	49.5010N	6.7810E	275	
B37	B37	Germany	49.4820N	7.0320E	335	
B38	B38	Germany	49.5070N	7.4530E	225	
B39	B39	Germany	49.5050N	7.7770E	290	
B40	B40	Germany	49.1710N	6.8220E	300	
B41	B41	Germany	49.1970N	7.1450E	310	
B42	B42	Germany	49.1840N	7.4950E	340	
B43	B43	Germany	50.0270N	7.6830E	410	
B44	B44	Germany	50.0360N	7.9500E	345	
B46	B46	Germany	50.2130N	7.9910E	375	
B49	B49	Germany	50.4540N	8.0810E	235	
B50	B50	Germany	50.6220N	7.4310E	200	
B51	B51	Germany	50.4820N	7.2670E	110	
B52	B52	Germany	50.3490N	7.1980E	410	
B53	B53	Germany	50.2510N	7.0740E	490	
B54	B54	Germany	50.1770N	7.0430E	430	
B55	B55	Germany	50.1580N	6.9850E	400	
B56	B56	Germany	50.1110N	6.9710E	365	
B57	B57	Germany	50.0650N	6.9460E	380	
B58	B58	Germany	50.0280N	6.8720E	350	
B59	B59	Germany	50.0100N	6.8390E	365	
B60	B60	Germany	49.9660N	6.8270E	280	
B61	B61	Germany	49.9150N	6.7800E	340	
B62	B62	Germany	49.8720N	6.7110E	300	
B63	B63	Germany	49.8490N	6.6590E	385	
B64	B64	Germany	49.8150N	6.6180E	305	
B65	B65	Germany	49.7620N	6.5600E	265	
B66	B66	Germany	49.6910N	6.4700E	160	
B67	B67	Germany	49.5570N	6.4720E	385	
B70	B70	Germany	50.2620N	6.6600E	380	
B71	B71	Germany	50.1950N	6.7400E	485	
B72	B72	Germany	50.1480N	6.8240E	415	
B73	B73	Germany	50.0260N	7.0710E	165	
B74	B74	Germany	49.9840N	7.1490E	130	
B75	B75	Germany	49.9390N	7.2170E	430	
B82	B82	Germany	50.5590N	6.2360E	530	
Ba@14rda@14	BRDA	Azerbaijan	40.2630N	47.1790E	103	From 2003-08-01
Baar Spital, ZG	SBAS	Switzerland	47.1938N	8.5170E	433	From 2014-10-16
Babar	CBBAR	Algeria	35.1442N	7.1910E	1402	
Babate	BBTS	Senegal	14.6613N	16.5332W	0	
Babati	BBAT	Tanzania,United Republic of Tanzania	4.2048S	35.7610E	1337	
Babbage River	E28M	Yukon Territories,Canada	68.6043N	139.5349W	474	From 2017-08-20
Babbit Peak	BABR	California,U.S.A.	39.6024N	120.1059W	2659	
Babushkin	BTMB	Buryatiya,Russia	51.7000N	105.8320E	550	From 1999-03-01
Bacau	BAC	Romania	46.5669N	26.9124E	169	From 1942-12-25
Bacau	BAC4	Romania	46.5700N	26.9030E	170	From 2015-09-15
Bac Can	BCVB	Vietnam	21.8848N	105.7725E	51	From 2008-01-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Baccana	BACM	Italy	44.2783N	10.0722E	450	From 1998-11-01
Baccarat	BACF	Lorraine,France	48.4440N	6.7390E	316	
Bac-Giang	BGV	Vietnam	21.2941N	106.2290E	15	From 1967-04-01
Bachatsky 1, Kuzbass, Russia	BJR1	Kemerovskaya Oblast',Russia	54.2378N	86.0395E	369	From 2014-12-01
Bachatsky-2, Kuzbass, Russia	BJR2	Kemerovskaya Oblast',Russia	54.2810N	86.1268E	300	From 2014-11-27
Bachatsky-3 (Starobachaty), Kuzbass, Russia	BJR3	Kemerovskaya Oblast',Russia	54.2252N	86.1563E	225	From 2014-12-05
Bachatsky-4, Kuzbass, Russia	BJR4	Kemerovskaya Oblast',Russia	54.3009N	86.2749E	217	From 2014-12-03
Bachelor Mtn.	BACC	California,U.S.A.	33.6122N	117.0406W	551	
Backbrunna	BACU	Sweden	59.8540N	17.1078E	100	From 2001-12-12
Backryungdo	KSBAR	Republic of Korea	37.9770N	124.7142E	0	From 2008-02-14
Bacolet	BOT	Trinidad and Tobago	11.1667N	60.7179W	30	
Bacoli	BCLI	Italy	40.7968N	14.0777E	15	From 2019-10-17
Bacon Ridge	BCRT	Tennessee,U.S.A.	35.7660N	84.5760W	409	
Baconsthorpe	ABA1	England,United Kingdom	52.8884N	1.1453E	74	From 1982-01-01
Badajoz	EXBA	Spain	38.8790N	6.9700W	185	
Badajoz	EBAD	Spain	38.7556N	7.0133W	221	
Badasada Odisha,India	BADS	Orissa	21.2962N	85.2022E	132	From 2015-07-15
Bad Bayersoien, Bavaria	A143A	Germany	47.6836N	11.0032E	850	From 2016-01-18
Badegauja	BADN	Nepal	28.7330N	81.1670E	1556	
Bademkaya	DBAD	Turkey	41.0183N	41.6947E	1139	From 2007-09-26
Baden-Baden-Neuweier	BABA	Baden-Wurttemberg	48.7188N	8.1921E	208	From 2015-08-01
Badger Mountain	BDG	Washington,U.S.A.	46.2347N	119.3170W	475	From 1969-03-01
Badia	A291A	Italy	46.6246N	11.8805E	1568	From 2015-09-22
Badiali	BADI	Italy	43.5097N	12.2443E	430	From 2004-07-30
Bad Ischl, Austria	BIOA	Austria	47.6913N	13.6383E	614	From 2016-03-02
Bad Neuenahr-Ahrweiler	AHRW	Rheinland-Pfalz,Germany	50.5410N	7.0760E	90	From 2009-05-14
Badogoroda	BDRD	Orissa	20.0400N	85.1200E	84	From 2018-07-15
Badr	BADR	Saudi Arabia	23.8817N	38.6580E	137	
Badra	IBDR	Iraq	33.1100N	45.9300E	90	From 2009-01-01
Badran	BDRN	Syria	33.3408N	36.3095E	965	From 1994-12-01
Bad Rappenau	A115A	Germany	49.2740N	9.0524E	277	From 2015-10-26
Bad Reichenhall	BHG	Bayern,Germany	47.7214N	12.8789E	475	From 1972-03-01
Bad Saulgau	SAUL	Baden-Wurttemberg	48.0124N	9.5092E	593	From 2017-01-01
Bad Segeberg	BSEG	Schleswig-Holstein,Germany	53.9353N	10.3169E	40	
Badsfontein, Murraysburg, Western Cape	BFON	South Africa	31.7989S	23.6888E	1311	From 2016-07-18
Bad Urach	BUCH	Baden-Wurttemberg,Germany	48.4486N	9.3518E	785	From 2002-01-01
Bad Urach, Seeburg	A109A	Germany	48.4438N	9.4586E	665	From 2015-11-12
Baengnyeongdo	KSBRD	Republic of Korea	37.9677N	124.6303E	169	From 2001-11-06
Baerendorf, Steiermark	A025A	Austria	47.5207N	14.4165E	794	From 2015-09-07
Baffin Island 1	B1NU	Nunavut,Canada	68.4619N	71.5880W	181	
Baffin Island 2	B2NU	Nunavut,Canada	68.9216N	73.1966W	157	
Bafgh	IBAF	Iran	31.5902N	55.5673E	1485	From 1998-10-01
BAG2	BAG2	Panama	8.4495N	82.5255W	99	
Bagaces	BAGA	Costa Rica,Costa Rica	10.5280N	85.2610W	124	
Bagala, Chiriqui	BAGA3	Panama	8.4670N	82.5270W	120	From 2010-01-01
Baggett Ranch, Ozona	430A	Texas,U.S.A.	30.7866N	101.2362W	768	From 2009-02-14 to 2010-12-12
Baghdad	BHD	Iraq	33.2700N	44.3800E	32	From 1979-01-01
Bagheran - Birjand	BAGH	Iran	32.7823N	59.2048E	2581	From 2016-01-13
Bagley Icefield	BAGL	Alaska,U.S.A.	60.4901N	142.0895W	55	
Bagneres-Bigorre	BDB	Midi-Pyrenees,France	43.0650N	0.1483E	561	From 1960-01-01 to 1970-12-31
Bagni Di Lucca	BDI	Italy	44.0625N	10.5969E	830	From 1983-10-01
Bagnolo	SF13	Italy	42.8184N	11.6195E	718	From 2016-04-03
Bagolino	BAG8	Italy	45.8228N	10.4664E	807	From 2006-06-15
Bagra	BGP	Pakistan	33.9742N	73.0682E	777	
Baguashan	BGSB	Taiwan region	24.0570N	120.6106E	0	
Baguio	BAF*	Luzon,Philippines	16.4167N	120.6000E	1500	From 1972-01-01
Baguio City	BAG	Luzon,Philippines	16.4108N	120.5800E	1507	From 1909-01-01
Baguio City	BCP	Luzon,Philippines	16.4180N	120.6100E	1500	
Baguio City Dairy Farm	BCPH	Luzon,Philippines	16.3810N	120.5810E	1500	
Baguio Weather Station	BWP	Luzon,Philippines	16.4047N	120.6022E		
Bagumbayan, Sultan Kudarat, Philippines	SKMP	Mindanao,Philippines	6.5194N	124.5429E	100	From 2012-06-04
Baha de los Angeles	BAHB	Baja California	28.9438N	113.5618W	35	From 2001-03-27
Bahadjhola, Orissa	BDJL	India	20.0800N	84.9200E	132	From 2018-07-17
Bahadurgarh	BHGR	Haryana,India	28.6877N	76.9388E	0	
Bahawalnagar	BNGR	Punjab,India	29.9500N	73.2500E	157	From 2006-05-20
Bahia de los Angeles	BAX	Baja California	28.9397N	113.5570W	36	
Bahia de Los Angeles	LAX	Baja California,Mexico	28.9467N	113.5670W	50	From 1971-12-31
Bahia Kino	BKIRB	Sonora	28.8560N	112.0020W	20	From 2017-07-15
Bahia Malaga	MALC	Colombia	4.0130N	77.3352W	75	
Bahia Solano	SOLC	Colombia	6.2265N	77.4087W	38	From 1994-01-01
Bahrah	BHRA	Saudi Arabia	21.4440N	39.9680E		From 1995-01-01 to 1999-08-25
Bahrah	BARA	Saudi Arabia	21.4400N	39.4710E	250	From 1995-04-01
Bahraich	BRCI	Uttar Pradesh,India	27.5667N	81.5833E	123	
BAHRAICH	BRCH	Uttar Pradesh	27.3400N	81.3500E	123	From 1981-08-31
Bahrain	SAKB	Bahrain	25.9782N	50.5365E	45	
BAHS	BAHS	Saudi Arabia	19.9699N	41.5993E	2082	
Baia Mare	BMR	Romania	47.6736N	23.4960E	294	From 1979-01-01
Baidarnaya	BDR	Kamchatskaya Oblast',Russia	56.5680N	161.2080E	936	From 2005-10-08
Baie Comeau	CNQ	Quebec,Canada	49.3022N	68.0744W	200	From 1991-01-07
Baie-Comeau	BACQ	Quebec	49.2912N	68.1634W	0	From 2015-10-24
Baie du Lac Sali	BLSD	Djibouti	11.5908N	42.5178E	100	From 1987-01-01
Baie Johan-Beetz	BJBQ	Quebec,Canada	50.2874N	62.8094W	6	From 2017-09-23
Baie-Sainte-Catherine	BSCQ	Quebec	48.1235N	69.7164W	0	From 2015-10-20
Baie-St-Paul	BSPQ	Quebec,Canada	47.4400N	70.5100W	0	From 1979-05-24
Baie-St-Paul	BLBQ	Quebec,Canada	47.4275N	70.5156W	35	From 2009-11-05
Baijiatuau	BJT	Beijing,China	40.0183N	116.1680E	197	From 1995-01-01
Bailadores	BLV	Venezuela	8.1908N	71.8256W	1110	From 1969-08-01 to 1970-09-29
Bailesti	BAIL	Romania	44.0201N	23.3450E	103	From 2012-11-21
Bailey Peak	BAP	Utah,U.S.A.	38.5264N	112.7950W	2387	
Bailey Ranch, Gibbon	N31A	Nebraska,U.S.A.	40.8235N	98.9544W	687	From 2009-09-11 to 2011-08-18
Bainbridge School	BABE	Washington,U.S.A.	47.6058N	122.5353W	83	
Baing, Sumba	BASI	Sumba,Indonesia	10.2189S	120.5777E	80	From 2008-12-01
Bains de Bromines	BROM	Rhone-Alpes,France	45.9450N	6.0668E	535	From 1997-02-19
Baital	BTLS	Kazakhstan	45.0410N	74.0460E	341	From 2010-10-01
Baives	BAIF	Nord-Pas-de-Calais,France	50.0592N	4.2078E	215	From 1996-04-03
Baixo Iguassu	BIPR1	Parana	25.4876S	53.6312W	306	From 2017-12-01 to 2099-12-12
Baj	A269A	Hungary	47.6386N	18.3824E	195	From 2015-12-09
Bajamar	EBAJ	Spain	28.5399N	16.3434W	239	
Bajram Curri	BCI	Albania	42.3666N	20.0675E	500	
Bakacak	BKT	Turkey	40.1420N	29.1360E	1734	From 1978-09-01 to 1980-12-31
Bakakara, VANGO	VVANG	Vanuatu	15.2966S	166.8849E	141	
Bakel	BKL	Senegal	14.9024N	12.4648W	30	From 1976-11-01
Baker	BKRC	California,U.S.A.	35.2693N	116.0703W	275	
Baker	E24A	Montana,U.S.A.	46.5608N	104.3073W	912	From 2008-11-12 to 2010-08-04
Baker Lake	BLKN	Nunavut,Canada	64.3185N	96.0024W	40	From 2017-08-13
Baker Lake	BLC	Northwest Territories,Canada	64.3167N	96.0167W	16	From 1965-07-26 to 1977-06-23
Baker Lake, Hudson Bay	YBKN	Nunavut,Canada	64.3185N	96.0026W	25	From 2006-08-27 to 2012-07-16
Bakersfield	BF-	California,U.S.A.	35.6481N	118.8575W	567	
Bakersfield	BF-CL	California,U.S.A.	35.6481N	118.8575W	567	
Bakhmal	BXML	Uzbekistan	39.6865N	68.0314E	1485	
Baki	BAK	Azerbaijan	40.3720N	49.8180E	83	From 1903-01-01
Bakirkoy-Istanbul	HVHR	Turkey	40.9698N	28.8445E	22	From 2011-01-01
Bakonya	RHK1	Hungary	46.0948N	18.0720E	297	
Bakultala	BAKU	Andaman Islands,India	12.3036N	92.5139E	30	From 2012-01-01
Bakun	BNMM	Sarawak	2.7767N	114.0350E	272	
Bakuriani	BKRG	Georgia,Georgia	41.7596N	43.5223E	1655	From 2013-09-29
Bakuriani	BKR	Georgia,Georgia	41.7337N	43.5032E	1798	From 1955-01-01
Bal3x, Balta	BAL3X	Ukraine	47.9355N	29.6013E	200	
Bala	BBAL	Turkey	39.5427N	33.1230E	1312	From 2008-03-05
Bala	BALAT	Turkey	39.5562N	33.1198E	1288	From 2007-12-21
Balkesir-Bandrma	BAND	Turkey	40.3553N	28.0992E	291	From 2017-02-14
Balkesir-Merkez	BKES	Turkey	39.7330N	27.9293E	324	From 2017-02-15
Balkesir-Susurluk-anack	BLKS	Turkey	39.8745N	27.9684E	437	From 2018-01-01
Balakhany	BALAK	Azerbaijan	40.4500N	49.9200E	36	From 1907-03-01 to 1910-12-31
Balakhonka, Kuzbass, Russia	BALAH	Kemerovskaya Oblast',Russia	55.6112N	86.0165E	167	From 2014-12-29
Balakot	BLKT	Pakistan	34.5300N	73.3300E	991	From 2007-10-10
Balbina	BAL3	Brazil	1.9155S	59.4141W	160	From 2015-11-13
Balboa, Cauca	BBAC	Colombia	2.0215N	77.2468W	1713	From 2013-04-26
Balboa Heights	BHP	Panama	8.9608N	79.5581W	36	From 1914-01-01 to 1977-03-31

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Balcom Canyon	BALC	California,U.S.A.	34.3076N	118.9671W	258	
Balcova	BLCB	Turkey	38.3853N	27.0420E	150	From 2004-10-05
Bald Eagle	BED	District of Columbia,U.S.A.	38.8200N	77.0089W		
Bald Hill	BLH	Washington,U.S.A.	47.8368N	122.0320W	198	
Bald Jesse, CA USA	BJES	California	40.5437N	123.8802W	1051	From 2018-01-01
Bald Knob	W42A	Arkansas,U.S.A.	35.2732N	91.5224W	71	From 2011-07-29 to 2013-03-07
Bald Knob	BK-	Arkansas,U.S.A.	35.3567N	91.6450W	122	From 1962-07-06 to 1963-04-10
Bald Knob	BK-AR	Arkansas,U.S.A.	35.3567N	91.6450W	122	From 1962-07-06 to 1963-04-10
Bald Mountain Lookout	CBLG	California,U.S.A.	37.7715N	118.8980W	2560	From 1984-01-01
Bald Mountain Lookout Tower, Alberta	BDMTA	Alberta,Canada	54.8129N	118.9149W	934	From 2014-07-30
Bald Peter	BPO	Oregon,U.S.A.	44.6519N	121.6890W	1957	From 1987-09-01
Bald Peter	VBPM	Oregon,U.S.A.	44.6610N	121.6890W	1876	
Baldwin	BA-	Wisconsin,U.S.A.	44.8994N	92.2722W	335	From 1962-10-11 to 1962-10-27
Baldwin	BA-WS	Wisconsin,U.S.A.	44.8994N	92.2722W	335	From 1962-10-11 to 1962-10-27
Baldwin Hills Oil	BHPC	California,U.S.A.	33.9905N	118.3617W	81	
Baldwin Penninsula	F17K	Alaska,U.S.A.	66.4420N	161.2502W	51	From 2017-07-27
Baldy	BALM	Alaska,U.S.A.	61.0362N	142.3450W	1300	From 1973-08-24
Baldybastay	BLB	Kazakhstan	44.0970N	78.4780E	1424	From 2015-04-13
Baldy Mountain	BALA	Alaska,U.S.A.	55.1937N	162.7857W	329	From 1996-07-01
Baldy Mountain	GBMM	California,U.S.A.	39.1418N	122.4940W	975	
Baleine	SVL	St Vincent,Saint Vincent and the Grenadines	13.3680N	61.2040W	91	
Baler	BALP	Luzon,Philippines	15.7410N	121.5760E	50	
Balgarevo	KALB	Bulgaria	43.4059N	28.4162E	121	From 2012-11-20
Balikesir	BALB	Turkey	39.6400N	27.8800E	120	
Balıkesir	KNL	Turkey	40.2707N	27.5261E	178	From 2006-09-07
Balikesir, Burhaniye-Dutluca	BUHA	Turkey	39.5011N	27.0769E	258	From 2014-12-01
BALIKESIR_Savastepe	STEP	Turkey	39.3767N	27.7183E	519	From 2011-09-29
Balikpapan	BKB2	Kalimantan,Indonesia	1.2605S	116.8960E		
Balikpapan	BKB	Kalimantan,Indonesia	1.2605S	116.8963E	0	
Balingen, Zollernalbkreis	BALG	Baden-Wurttemberg	48.2732N	8.8539E	511	From 2015-09-01
Baljurashi	BLJS	Saudi Arabia	19.9571N	41.6051E	2239	
Baljuvan	BLD	Tajikistan	38.3000N	69.6600E		
Ballabur	BAU	Azerbaijan	38.7100N	48.7800E	70	From 1984-01-01
Balladonia	DNDOZ	Western Australia	32.4609S	123.8680E	153	From 2019-02-28
Ballarat	BRAT	Victoria,Australia	37.5500S	143.9310E	9	
Ballidu	BLDU	Western Australia,Australia	30.6147S	116.7091E	280	From 1999-11-08
Ballidu	BAL	Western Australia,Australia	30.6065S	116.7072E	300	From 1982-08-27 to 1997-12-31
Ballon Servance	BSF	Franche Comte,France	47.8319N	6.7922E	1200	
Balmorhea	BM-	Texas,U.S.A.	30.9264N	103.8550W	1067	From 1962-01-20 to 1962-02-15
Balmorhea	BM-TX	Texas,U.S.A.	30.9264N	103.8550W	1067	From 1962-01-20 to 1962-02-15
Balmorhea Ranch, Pecos	327A	Texas,U.S.A.	31.3691N	103.4923W	784	From 2008-03-20 to 2010-02-13
Balon	A339A	Slovakia	47.8294N	17.6559E	110	From 2015-09-02
Balqa	BALJ	Jordan	32.0873N	35.6400E	375	From 2018-01-12
Balsha	BLSH	Bulgaria	42.8569N	23.2792E	745	From 2019-05-08
Balsthal	BALST	Switzerland	47.3358N	7.6950E	908	From 2000-06-16
Baltah	BLIT	Tunisia	36.7130N	8.9528E	225	
Baltimore	BALH	Maryland,U.S.A.	39.2967N	76.6200W		From 1908-01-01 to 1916-01-01
Baltimore	BLVT	Vermont,U.S.A.	43.3488N	72.5853W	300	
Balya	BALY	Turkey	39.7403N	27.6195E	645	From 2007-05-24
Balzapamba Montalvo, CascadaMilagrosa	MONB	Ecuador	1.7674S	79.1951W	700	From 2012-07-25
Balzar	BALZ	Ecuador	1.3762S	79.9109W	34	From 2012-05-21
BAM	KBAM	Iran	29.1356N	58.4523E	975	
Bamboo Saint Ann	BBJ	Jamaica	18.3830N	77.2670W	641	From 1977-02-14
Bambui	BNC	Cameroon	6.0160N	10.2800E	1890	From 1987-02-17
Bamfield	BFSB	British Columbia,Canada	48.8336N	125.1361W	23	From 2013-11-15
Bamfield	B928	British Columbia,Canada	48.8337N	125.1345W	-227	
Bamfield Marine Station	BMSB	British Columbia,Canada	48.8356N	125.1355W	10	From 2003-03-07
Banah	BANOM	Oman	25.9233N	56.2996E	504	From 2004-12-01
Bananza Creek	G23K	Alaska,U.S.A.	66.7108N	150.0239W	746	From 2016-06-16
Banawang	BNP	Luzon,Philippines	14.6188N	120.4140E	71	
Banca Lucia	BANL	Costa Rica	10.5197N	84.8320W	821	From 2000-01-01
Bancas Point	BCPM	Alaska,U.S.A.	59.9533N	139.6350W	396	From 1979-07-07
Banco Serrana, Archipielago de San Andres, Providencia y Santa Catalina	SERC	Colombia	14.2863N	80.3649W	0	From 2018-10-23
Bancroft	BANO	Ontario,Canada	45.0198N	77.9280W	360	From 2009-04-29
BANDA	BNDA	Uttar Pradesh	25.4820N	80.3310E	126	From 2018-02-08
Banda Aceh	BSI	Sumatera,Indonesia	5.4964N	95.2961E	192	
Bandanaira	BNDI	Moluccas,Indonesia	4.5224S	129.9045E	16	From 2008-07-04
Bandar-abas	IBND	Iran	27.4489N	56.5399E	62	From 2006-07-01
Bandar-Abbas	BNDS	Iran	27.3993N	56.1713E	1500	From 2004-05-13
Bandar Lampung	BLSI	Sumatera,Indonesia	5.3676S	105.2452E	147	From 2005-01-01
Bandirma	BNT	Turkey	40.3561N	27.9200E	354	From 1984-01-01
Bandung	BND	Jawa,Indonesia	6.9000S	107.6500E	726	
Banff	BAN	Alberta,Canada	51.1717N	115.5580W	1500	From 1956-08-01 to 1966-09-22
Bangkinang	BKNI	Sumatera,Indonesia	0.3262N	101.0396E	65	From 2008-04-26
BangkokBB_BH_low_level	TMDB	Thailand	13.6684N	100.6068E	-47	
Bangong	ST19	Xizang Zizhiqu,China	32.0576N	89.1912E	4596	From 1998-07-10 to 1999-05-29
Bangong Suture	ST21A	Xizang Zizhiqu,China	32.2750N	89.0972E	4644	From 1998-07-24 to 1999-05-29
Bangor	BG-ME	Maine,U.S.A.	44.6344N	69.2214W	183	From 1961-11-04 to 1962-07-01
Bangor	BG-	Maine,U.S.A.	44.6344N	69.2214W	183	From 1961-11-04 to 1962-07-01
Bangor (NY)	BGR	New York,U.S.A.	44.8288N	74.3742W	297	From 1976-11-01
Bangui	BNG	Central African Republic	4.4350N	18.5467E	378	
Bangui	BCAO	Central African Republic	4.4333N	18.5353E	336	From 1979-05-31 to 1999-08-25
Bangula	BANG1	Malawi	16.5842S	35.1165E	96	From 2011-04-26
BANI	BANI	Dominican Republic	18.3923N	70.3582W	1038	From 1996-06-01
Baniby	KSBB	Iraq	35.0415N	45.7092E	500	
Bani Escuela	BAN1	Dominican Republic	18.2782N	70.3314W	65	From 2013-08-30
Bani Suef	HBNS	Egypt	28.9517N	31.2126E	210	
Bani Suef	NBNS	Egypt	28.6226N	31.2945E	295	From 2010-03-20
Banja Luka	BLY	Bosnia and Herzegovina	44.7488N	17.1839E	256	From 1975-05-01
Banjamegara	BJII	Jawa,Indonesia	7.3329S	109.7096E	629	From 2000-01-01
Banjar Baru	BBKI	Kalimantan,Indonesia	3.4625S	114.8411E	110	From 2005-01-01
Bankside	MCHD	South Island	43.6580S	171.9917E	159	
Banks Island	BNKB	British Columbia,Canada	53.3318N	129.9017W	421	From 2014-08-20
Banloc	BANR	Romania	45.3825N	21.1355E	80	
Banloc	BNL2	Romania	45.3870N	21.1354E	81	From 2015-10-01
Banmiancun	YXBM	Taiwan region	26.0386N	118.1100E	186	From 2012-09-28
Bannalp	BNALP	Switzerland	46.8705N	8.4250E	1540	From 1998-09-30
Bannockburn	BANM	Victoria,Australia	38.0515S	144.2498E	200	
Banos Encina	EBAN	Spain	38.1643N	3.7857W	460	From 1986-11-01
Banyo, CM25	ACM25	Cameroon	6.7600N	11.8110E	983	
Banyuglugur	BLJI	Jawa,Indonesia	7.7450S	113.5950E	0	From 2007-12-01
Banyuwangi	BYJI	Jawa,Indonesia	8.2140S	114.3557E	0	From 2007-12-01
Baotou	BTO	Nei Monggol Zizhiqu,China	40.6056N	110.0208E	1114	
Baotou	PAO	Nei Monggol Zizhiqu,China	40.6056N	110.0208E	1114	
Baptist College of Charleston	BCS	South Carolina,U.S.A.	32.9797N	80.0653W	9	From 1976-03-31
BAR1	CBAR1	Costa Rica	9.2320N	83.3070W	530	
Barahona	BRH1	Dominican Republic	18.2082N	71.0931W	30	From 2011-06-14
Barahona	LOBA1	Dominican Republic	18.1000N	71.0800W	35	From 2014-06-19
Baraj Valea Uzului	ONER	Romania	46.3349N	26.3940E	456	From 2017-09-13
Baranello	BAI2	Italy	41.5092N	14.5531E	745	
Baranello	BRLL	Italy	41.3132N	14.3504E	695	From 2019-09-23
Barangay Tapao	SIPH	Philippines	17.8917N	120.4580E	33	From 2005-10-19
Barantu	BARE	Ethiopia	12.6443N	40.3556E	340	
Baratang	BTNG	Andaman Islands,India	12.1096N	92.4736E	28	From 2012-01-01
Barbacena	BARB	Minas Gerais,Brazil	21.2210S	43.8005W	1030	
Barbados	BDS	Barbados	13.1460N	59.6260W	110	From 1969-07-30
Barbados	BRB	Barbados	13.1220N	59.6060W	55	From 1955-06-30 to 1969-07-25
Barbados, Cave Hill Campus	BCHC	St Lucia	13.1339N	59.6305W	11	From 2013-05-01
Barbar	BRBR	Syria	33.4113N	35.9508E	1834	From 1994-12-01
Barbarano Romano	BARO	Italia	42.2480N	12.0512E	350	From 2019-03-20
Barbarano Romano - VT	TO08	Italy	42.2244N	12.0526E	463	From 2008-05-29 to 2009-04-02
Barbate	EXBAR	Gulf of Cadiz	36.1928N	5.9167W	8	
Barber's Block	BBL	Dominica	15.5262N	61.4700W	365	From 1978-11-21
Barbuda	BWI	Barbuda,Antigua and Barbuda	17.6650N	61.7900W	30	From 1977-01-01
Barcellona Pozzo di Gotto	SBPG	Italy	38.1422N	15.2048E	59	From 2012-07-01
Barcelona	BARV	Venezuela	9.9839N	70.7456W	615	
Barcelona - Ciutat Vella	BAJU	Spain	41.3853N	2.1741E	25	From 2009-04-01
Barcelona - Plaa de Tetuan	BAIN	Spain	41.3960N	2.1730E	22	From 2010-04-23
Bardarbunga	BARD	Iceland	64.6402N	17.4463W	1890	From 2014-11-11 to 2015-03-15

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Bardonecchia	BNI	Italy	45.0522N	6.6786E	1410	
Bardufoss	I37H0	Norway	69.0741N	18.6077E	77	From 2015-07-15
Bare, CM15	ACM15	Cameroon	5.0340N	9.9330E	976	
Bare Mountain	BRO	Nevada,U.S.A.	36.7628N	116.6250W	920	From 1978-11-28
Barentsburg A	BRBA	Svalbard,Norway	78.0591N	14.2170E	6	From 2000-11-16
Barentsburg B	BRBB	Svalbard,Norway	78.0935N	14.2080E	38	From 2001-08-12
Bare Point	BPCB	British Columbia,Canada	48.9236N	123.7045W	31	From 2008-03-19
Bar Giyyora	BGIO	Israel	31.7221N	35.0878E	760	From 1986-08-11
Barguzin	BGZ	Buryatiya,Russia	53.6167N	109.6167E		
Barham	BHM	England,United Kingdom	51.2128N	1.1742E	100	
Bari	BAI*	Italy	41.1200N	16.8667E	0	
Bari	BAI	Italy	41.1070N	16.8790E	15	
Bariadhala	BRDH	Bangladesh	22.6770N	91.6425E	44	
Bari-Castellana	BRT	Italy	40.8778N	17.2036E	333	From 1978-01-01
Barichara	BARC	Colombia	6.5923N	73.1823W	1877	
Bari, Italy	OT15	Italy	41.1090N	16.8797E	64	From 2018-03-12
Barinas	BRIV	Venezuela	8.6170N	70.4510W	0	
Baring Head	BHW	North Island,New Zealand	41.4082S	174.8712E	101	From 1975-11-27
Barisakho	BROG	Georgia,Georgia	42.4500N	44.9300E	1250	
Barisano	BRSN	Italy	44.2841N	12.0769E	20	
Barisciano	RM14	Italy	42.3454N	13.5722E	1105	From 2009-04-07 to 2009-08-31
Barisis-aux-bois	BARI	France,France	49.5667N	3.3124E	146	From 2018-11-01
Barje	BARS	Serbia	42.8165N	21.8153E	392	From 1996-03-07
Barkcamp State Park Ohio	BSPO	Ohio	40.0430N	81.0090W	345	From 2018-05-01 to 2500-06-01
Barkley Canyon	NCBC	British Columbia,Canada	48.4275N	126.1752W	-398	From 2009-09-01
Barkley Ridge	BARK	Alaska,U.S.A.	60.4035N	142.4911W	1141	
Barley Canyon	BRC	New Mexico,U.S.A.	35.8903N	106.7110W	2261	From 1976-06-01 to 1999-08-25
BARLOMIN CHICO	BARL	Ecuador	0.4526S	80.3114W	271	From 2016-05-14
Barlow Dome	K29M	Yukon Territory,Canada	63.8433N	137.5201W	1367	From 2016-08-21
Barnard Glacier	BARN	Alaska,U.S.A.	61.0599N	141.6601W	1915	
Barnard House	BHS	St Vincent,Saint Vincent and the Grenadines	13.2963N	61.1272W	90	
Barnechea	BACH	Santiago,Chile	33.3528S	70.4917W	820	
Barney Top	BTU	Utah,U.S.A.	37.7557N	111.8743W	3235	
Baronissi	BSS	Italy	40.7906N	14.8061E	205	
Barra de Sao Francisco	BSFB	Espirito Santo,Brazil	18.8313S	40.8465W	185	
Barra do Corda	NBBC	Maranhao	5.5221S	45.2843W	100	From 2016-12-12
Barrage Abdel Moumen	BAM	Morocco	30.6661N	9.1661W		
Barrage El Makhazine	BMK	Morocco	34.9410N	5.8430W	166	From 1979-06-01 to 2001-10-26
Barrage Ibn Batouta	BBT	Morocco	35.6480N	5.7290W	60	From 1981-01-01
Barrage Mansour Eddahbi	BME	Morocco	30.9156N	6.7603W	1078	From 1975-03-01
Barrage Mohamed Ben Abdellah	BMB	Morocco	33.9422N	6.7511W	40	From 1978-01-01
Barrage Mohammed V	BMKM	Morocco	34.6590N	2.9340W	274	
Barra Mansa	BMA	Rio de Janeiro,Brazil	22.6950S	44.1536W	595	
Barrancabermeja, Santander	BRJC	Colombia	6.9732N	73.7442W	108	From 2018-08-03
Barrancas	G06S	Maule	34.4917S	71.9788W	61	
Barranca, Santander	BRRC	Colombia	7.1072N	73.7120W	137	From 2009-01-01
Barrancas-Volc¡n Cotopaxi	BRRN	Ecuador	0.7832S	78.4754W	3650	From 2015-07-17
Barranco	PFBV	Portugal	37.2715N	7.9808W	573	From 1996-01-01 to 2009-05-30
Barranco-do-Velho	PBDV	Portugal	37.2430N	7.9312W	468	From 2007-01-08
Barrancos	PBAR	Portugal	38.1750N	7.0390W	205	From 2007-01-01
Barreal	RTBS	San Juan,Argentina	31.6614S	69.4531W		
Barre de l'ile, St louis, Marie Galante	MAGL	Guadeloupe,France	15.9494N	61.2822W	157	From 2012-09-14
Barren Site	BNM	New Mexico,U.S.A.	34.1502N	106.6280W	2121	
Barre Substation	BREC	California,U.S.A.	33.8077N	117.9812W	24	
Barrett	BAR	California,U.S.A.	32.6801N	116.6721W	496	From 1952-01-17
Barrette	BAH	Hawaii,U.S.A.	21.3397N	158.0770W		From 1970-01-01 to 1999-08-25
Barrientos, Norte de Santander	CBRI	Colombia	7.7165N	72.7968W	1427	From 2009-09-01 to 2011-11-30
Barrier Glacier	BGL	Alaska,U.S.A.	61.2635N	152.3910W	1173	From 1989-01-01
Barrier Glacier Two	BGRM	Alaska,U.S.A.	60.7575N	152.4180W	985	From 1991-07-01
Barrier River	F30M	Yukon Territories,Canada	67.6106N	135.7863W	414	From 2017-08-22
Barrio Florida	PWP	Puerto Rico	18.1350N	65.4450W	10	From 1975-03-01 to 1978-03-13
Barrio Mexico	MEXI	Costa Rica,Costa Rica	9.9410N	84.0860W	1158	
Barrow	A21K	Alaska,U.S.A.	71.3221N	156.6175W	0	From 2014-05-28
Barrow	BRV	Alaska,U.S.A.	71.2742N	156.7850W	15	
Barrow	BRW	Alaska,U.S.A.	71.3033N	156.7480W		From 1965-01-01
Barry, Barry	P41A	Illinois,U.S.A.	39.6750N	91.0619W	215	From 2011-06-09 to 2013-04-13
Barry Inlet	BNB	British Columbia,Canada	52.5758N	131.7520W	765	From 1985-09-01
Barry Inlet	BAIB	British Columbia	52.5757N	131.7534W	804	From 2017-08-10
Barry Ridge	KBRM	California,U.S.A.	40.7298N	123.9560W	853	
Barter Island	BI3	Alaska,U.S.A.	69.5967N	144.3710W	690	From 1975-09-01 to 1978-08-14
Barter Island	BI4	Alaska,U.S.A.	69.5202N	142.9800W	745	From 1975-09-01 to 1999-08-25
Barter Island	BI1	Alaska,U.S.A.	70.1318N	143.6420W	10	From 1975-09-01 to 1999-08-25
Barter Island	BI2	Alaska,U.S.A.	69.6233N	145.8950W	1100	From 1975-09-01 to 1999-08-25
Bartın	BTIN	Turkey	41.6362N	32.2504E	233	From 2011-02-02
Barton Gulch	BGMT	Montana,U.S.A.	45.2333N	112.0400W	2172	
Bartosovice	PIVO	Czech Republic	50.1864N	16.5470E	664	From 2018-10-18
Baru	BRU	Panama	8.8068N	82.5608W	3425	
Bar X Bar Ranch, Keystone	M28A	Nebraska,U.S.A.	41.3956N	101.3715W	1071	From 2009-05-14 to 2011-04-11
Basata	HBST	Egypt	29.2166N	34.7327E	240	
Baschi	MNBS	Kazakhstan	44.0790N	78.4010E	1290	From 2000-08-12
Basco	BBP	Batan Islands,Philippines	20.4411N	121.9640E	40	
Basco	BAP*	Batan Islands,Philippines	20.4622N	121.9695E	10	
Base Areonavale d'Aspretto	AJAC	Corse,France	41.9280N	8.7630E	27	From 2011-06-30
Basecamp	BASC	Jammu and Kashmir,India	34.9200N	77.2100E	3455	From 2012-01-01
Base Esperanza	ESPZ	Antarctic Peninsula	63.3981S	56.9964W	31	
Basel-Blauen	BBS	Switzerland	47.4644N	7.5092E	700	From 1974-06-01
Basel-Friedhofgasse	SBAF	Switzerland	47.5838N	7.5920E	248	From 1998-02-13
BASELICE	BAS04	Italy	41.4074N	14.9786E	620	From 2014-05-05
Basel, Klybeck	SBAK	Switzerland	47.5718N	7.5928E	252	From 2014-08-15
Basel, Mnster, BS	SBAM2	Switzerland	47.5556N	7.5922E	278	From 2013-11-01
Basel-PUK	SBAP	Switzerland	47.5724N	7.5644E	263	From 1998-05-11
Basel, St Johann, BS	SBAJ2	Switzerland	47.5670N	7.5823E	259	From 2013-11-01
Basel-Tropenhaus	SBAT	Switzerland	47.5586N	7.5817E	260	From 1992-05-05
Basel, Vogelsang, BS	SBAV	Switzerland	47.5633N	7.6080E	269	From 2013-11-01
Basel, Wirtschaftsgymnasium, BS	SBAW	Switzerland	47.5476N	7.6038E	271	From 2013-11-01
BASE NAVAL BIMJAR	BIMJ	Ecuador	0.9370S	80.5764W	46	From 2016-05-15
Base Naval La Union	LUNI	El Salvador	13.3353N	87.8344W	8	
Basha	BASHA	Pakistan	35.4800N	73.6930E	1994	From 2007-09-01
Bashay	BASH	Tanzania,United Republic of Tanzania	4.0037S	35.3512E	1929	
Basiliko Farm, Boston	K54A	New York,U.S.A.	42.6097N	78.6908W	465	From 2013-05-15
Basin Creek	BCM	Montana,U.S.A.	45.8355N	112.5150W	1975	From 1980-11-12 to 1981-10-10
Basin Creek Farm, Malvern	X40A	Arkansas,U.S.A.	34.4873N	92.8342W	158	From 2011-01-26
Basiran	BSRN	Iran	31.9651N	59.1259E	1416	
Baskale_VAN	BASK	Turkey	38.0523N	44.0040E	1931	From 2011-06-27
Basking Ridge	BRNJ	New Jersey,U.S.A.	40.6828N	74.5660W	50	
Basle	BAS	Switzerland	47.5400N	7.5817E	309	From 1934-01-01 to 1978-12-31
Basmaki-Afyon	BASM	Turkey	37.9193N	30.0498E	897	From 2013-11-19
Basra	BSR	Iraq	30.6000N	47.8000E		
Basset	K30B	Nebraska,U.S.A.	42.6742N	99.6131W	712	From 2017-10-05
Basset	K30A	Nebraska,U.S.A.	42.6742N	99.6131W	712	From 2009-09-19 to 2011-07-29
Basse Terre	BTG	Guadeloupe,France	15.9902N	61.7192W	42	From 1976-01-01
Bassetti Ranch	PBRM	California,U.S.A.	35.5485N	121.0090W	85	
Bass Mountain	LBMM	California,U.S.A.	40.7328N	122.3658W	841	
Bassoo Peak	BSMT	Montana,U.S.A.	47.8513N	114.7870W	1950	
Bastrop	536A	Texas,U.S.A.	30.0756N	97.0652W	115	From 2010-01-14 to 2011-11-08
Bat	BTIE	Ethiopia	11.1949N	40.0218E	1659	
Bata	RHK2	Hungary	46.1270N	18.7799E	147	
Batagay	BTGS	Sakha,Russia	67.6510N	134.6400E	110	
Batakoyurt	BTKR	Severo-Osetinskaya,Russia	43.3722N	44.5422E	597	From 2005-12-01
Batan	BATAN	Costa Rica	10.0978N	83.3761W	54	From 2007-12-01
Batan	TAAN	Costa Rica,Costa Rica	10.0850N	83.3470W	23	
Bataquez, COM	COMMX	Baja California	32.5700N	115.0800W	18	
Bataraza	BATP	Palawan,Philippines	8.7970N	117.8010E	54	
Bat Cave Butte	BATC	California,U.S.A.	33.4590N	115.8410W	-18	
Batelco	BTP	Luzon,Philippines	14.6909N	120.5150E	32	
Bates	BT-	Oregon,U.S.A.	44.6244N	118.7711W	1372	
Bates	BT-OR	Oregon,U.S.A.	44.6244N	118.7711W	1372	
Bates Ranch, Gandy	P13A	Utah,U.S.A.	39.4550N	114.0156W	1555	From 2007-03-01 to 2008-09-05
Batey Laura esc	LADR	Campeche	18.4145N	89.3356W	58	From 2017-12-28

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Bath	BATH	England,United Kingdom	51.4430N	2.3290W	127	From 2009-07-14
Bath	O42A	Illinois,U.S.A.	40.1956N	90.0812W	155	From 2011-06-12 to 2013-05-02
Bath County 1	BV1	Virginia,U.S.A.	38.1781N	79.6611W	768	From 1978-08-01
Bath County 2	BV2	Virginia,U.S.A.	38.1367N	79.9194W	610	From 1978-08-01
Bath County 3	BV3	Virginia,U.S.A.	38.2383N	79.7667W	750	From 1978-08-01
Bath County 4	BV4	Virginia,U.S.A.	38.3572N	79.8278W	814	From 1978-08-01
Bath Hotel, Nevis	NVBH	Nevis,Saint Kitts and Nevis	17.1169N	62.6168W	15	From 2002-05-02
Bathurst New Brunswick	BATG	New Brunswick,Canada	47.2767N	66.0599W	336	From 2005-10-22
Batken	BTK	Kyrgyzstan	40.0580N	70.8180E	1020	
Batman	BTMT	Turkey	38.1923N	41.4888E	854	
Batman	BTMN	Turkey	37.8911N	41.2701E	959	From 2003-10-02
Batoke	BTE	Cameroon	4.0481N	9.0869E	90	From 1985-03-01
Batouri, CM14	ACM14	Cameroon	4.4220N	14.3580E	585	
Batrach	BTCH	Syria	36.0375N	36.4592E	803	From 1995-04-01
Bat Shelomo	BTI	Israel	32.6140N	35.0160E	300	
Battle Mountain	BMN	Nevada,U.S.A.	40.4315N	117.2218W	1594	From 1969-09-02
Battle Ridge Rd, NW of Cushing	OK052	Oklahoma,U.S.A.	35.9936N	96.8028W	259	From 2016-11-08
Batumi	BATM	Georgia,Georgia	41.6040N	41.6936E	298	From 2010-10-11
Baubata	PGBAU	New Britain,Papua New Guinea	5.3674S	151.0334E	251	
Bau Bau	BBSI	Buton,Indonesia	5.4875S	122.5704E	104	From 2005-01-01
Bau Bau, Buton	BSSI	Buton,Indonesia	6.1428S	120.4904E	114	From 2008-12-01
Baumata	BATI	Indonesia	10.2065S	123.6633E	356	
Baumata	BWTI	Timor,Indonesia	10.2000S	123.7000E		
Baumgartsaur, Oberoesterreich	A023A	Austria	48.4608N	14.0707E	587	From 2015-09-07
Bautismo	BAUT	Venezuela	10.5065N	66.4820W	1976	From 1984-01-01 to 1999-08-25
Ba Vi	BVV	Vietnam	21.1022N	105.3687E	182	
Bavra	BAW	Armenia	41.1200N	43.8000E	2160	From 1977-01-01
Bavra	BVRS	Armenia	41.1250N	43.8067E	2160	
Bawean	BWJI	Bawean,Indonesia	5.8511S	112.6578E	58	From 2005-01-01
Baw Faw Mountain	BFW	Washington,U.S.A.	46.4867N	123.2150W	902	From 1972-10-25
Bayana	BAYN	Nepal	29.4700N	81.2000E	3050	From 1995-01-01
Bayan-Aul	BAYK	Kazakhstan	50.8200N	75.5500E	0	
Bayanday	BAY	Irkutskaya Oblast',Russia	53.0667N	105.5170E		
Bayano	BYN	Panama	9.1910N	78.8750W	120	
Bayan-Olgiy	BYO	Mongolia	48.9600N	89.9600E	2075	
Bay Bridge East	BBEB	California,U.S.A.	37.8216N	122.3298W	-30	
Bay Bridge East Pier 17	E17B	California,U.S.A.	37.8209N	122.3353W	-164	
Bay Bridge East Pier 7	E07B	California,U.S.A.	37.8185N	122.3469W	-142	
Bay Bridge West Pier 2	W02B	California,U.S.A.	37.7911N	122.3863W	-45	
Bay Bridge West Pier 5	W05B	California,U.S.A.	37.8011N	122.3758W	0	
BAYBURT	BAYB	Turkey	40.2586N	40.2576E	2015	From 2012-01-27
Bayer	BYRJ	Jordan	30.6400N	36.5000E	1030	
Bayfield, S22	SCR22	Colorado	37.2745N	107.5221W	2213	
Baylor University	BUTX	Texas,U.S.A.	31.6917N	97.3483W	183	From 1992-11-01
Bay Minette	448A	Alabama,U.S.A.	30.9309N	87.8608W	25	From 2011-04-07
Bayram-Ali	BAT	Turkmenistan	37.6000N	62.1167E		
Baysun	BAYS	Uzbekistan	38.2095N	67.2053E	1259	
Baytree	DCA2	Alberta,Canada	55.7916N	119.8877W	819	
Baytugan-1	BT1	Samarskaya Oblast'	54.1183N	52.3483E	144	From 2015-07-22
Baytugan-2	BT2	Orenburgskaya Oblast'	54.2416N	52.3722E	325	From 2016-07-18
Baza	EXBZ	Spain	37.4900N	2.7750W	881	
Bazzano	MI07	Italia	42.3362N	13.4459E	662	From 2009-04-27 to 2009-06-09
BB Station	BBSR	Bermuda	32.3712N	64.6962W	-25	
Beach Ranch, Enterprise	F10A	Oregon,U.S.A.	45.9734N	117.2277W	1136	From 2006-08-23 to 2009-01-08
Beacon	BEAC	Western Australia,Australia	30.4511S	117.8687E	300	From 2009-03-19
Beaesweiler	BA12	Nordrhein-Westfalen,Germany	50.9091N	6.1863E	116	From 2006-10-01
Bean Ranch, Sierra Blanca	325A	Texas,U.S.A.	31.3711N	104.9712W	1666	From 2008-02-25 to 2010-01-16
Bear Butte	KBBM	California,U.S.A.	40.1970N	123.8500W	576	
Bear Canyon	BCU	Utah,U.S.A.	39.5983N	110.3710W	2438	From 1962-01-01 to 1977-03-31
Bear Canyon	BCYI	Idaho,U.S.A.	44.3108N	113.4050W	2194	From 1992-01-01
Bear Creek Country Club, Murrieta	BCCC	California,U.S.A.	33.5751N	117.2612W	391	From 2000-07-11 to 2005-08-08
Bear Creek Road	JBCM	California,U.S.A.	37.1603N	122.0260W	660	From 1969-05-21
Bear Creek Road	LT15	California,U.S.A.	37.1603N	122.0260W	660	From 1969-05-21
Beardsley Farm, Havre	B18A	Montana,U.S.A.	48.3943N	109.7775W	950	From 2007-11-14 to 2009-09-04
Bear Gulch	JBGM	California,U.S.A.	37.3420N	122.3390W	158	From 1971-11-02
Bear Gulch	BGH	California,U.S.A.	37.3420N	122.3390W	158	From 1971-11-02
Bear I., Norway, Bear Island Array Beam Ref. Pt.	BEAR	Norway	74.4965N	19.0108E	25	From 2019-08-07
Bear Island, Norway, Site 1 of Bear Island Array	BEA1	Norway	74.4994N	19.0014E	18	From 2019-08-06
Bear Island, Norway, Site 2 of Bear Island Array	BEA2	Norway	74.4988N	19.0101E	25	From 2019-08-06
Bear Island, Norway, Site 3 of Bear Island Array	BEA3	Norway	74.4978N	19.0084E	26	From 2019-08-07
Bear Island, Norway, Site 4 of Bear Island Array	BEA4	Norway	74.4965N	19.0108E	25	From 2019-08-07
Bear Island, Norway, Site 5 of Bear Island Array	BEA5	Norway	74.4958N	19.0056E	22	From 2019-08-07
Bear Island, Norway, Site 6 of Bear Island Array	BEA6	Norway	74.4960N	19.0014E	22	From 2019-08-07
Bearman Lake	G25K	Alaska,U.S.A.	66.7653N	146.1013W	146	From 2016-07-18
Bear Mountain	BMTC	California,U.S.A.	35.1358N	118.5970W	1237	From 1976-08-01 to 2008-02-22
Bear Mountains	BMNM	New Mexico,U.S.A.	34.2750N	107.2600W	1972	
Bear Paw Mtn.	BPAW	Alaska,U.S.A.	64.0997N	150.9873W	619	From 2004-05-13
Bear River Range	BEI	Idaho,U.S.A.	42.1167N	111.7820W	1859	From 1974-10-01
Bear Valley	BVL	California,U.S.A.	36.5749N	121.1901W	479	From 1970-09-03
Bear Valley	BVLM	California,U.S.A.	36.5749N	121.1901W	479	From 1970-09-03
Bear Valley Observatory	BVC	California,U.S.A.	38.0397N	122.7930W	30	
Bear Valley Ranch, Parkfield	PKD	California,U.S.A.	35.9452N	120.5416W	583	From 1996-09-06
Beas, Huelva	E009	Spain	37.4192N	6.7651W	148	From 2007-09-26 to 2009-06-23
Beatrice	O34A	Nebraska,U.S.A.	40.1831N	96.6936W	409	From 2010-06-11 to 2012-04-18
Beatrice	BENE	Nebraska,U.S.A.	40.2167N	96.6025W	396	
Beatty	BEA	Nevada,U.S.A.	36.8833N	116.7670W		From 1972-01-01 to 1973-04-30
Beatty	BTY	Nevada,U.S.A.	36.8833N	116.7670W	1183	From 1971-01-01 to 1973-04-30
Beattyville	S51A	Kentucky,U.S.A.	37.6392N	83.5935W	286	From 2012-05-17
Beaufort	BEAU	Western Australia	33.6009S	117.0041E	282	
Beaufort West	BEW	Cape Province,South Africa	32.3565S	22.5730E	870	From 1993-04-01 to 2001-03-03
Beaumont Base	BBSC	California,U.S.A.	33.9214N	116.9806W	785	
Beaver	BVR	Pennsylvania,U.S.A.	40.7000N	80.3333W		
Beaver	BHUT	Utah,U.S.A.	38.2768N	112.6404W	1799	From 2008-06-09
Beaver Butte	VBEM	Oregon,U.S.A.	45.0603N	121.5870W	1544	
Beaver Creek	BVCY	Yukon Territory,Canada	62.4141N	140.8606W	708	From 2010-08-14
Beaver Creek Array Beam Reference Point	BCAR	Alaska,U.S.A.	63.0656N	141.7851W	846	
Beaver Creek Array Site 1	BC01	Alaska,U.S.A.	63.0619N	141.8279W	746	
Beaver Creek Array Site 2	BC02	Alaska,U.S.A.	63.0440N	141.8021W	563	
Beaver Creek Array Site 3	BCA3	Alaska,U.S.A.	63.0656N	141.7851W	846	From 1993-07-01
Beaver Creek Array Site 4	BC04	Alaska,U.S.A.	63.0809N	141.7684W	790	
Beaver Creek Array Site 5	BC05	Alaska,U.S.A.	63.0610N	141.7534W	908	
Beaver Creek, Northway Junction	L27K	Alaska	63.0618N	141.8275W	755	From 2014-07-25
Beaver Dam Saddle, Pierce	E12A	Idaho,U.S.A.	46.4151N	115.5705W	1555	From 2007-08-23 to 2009-07-23
Beaver Lake	BVK	Utah,U.S.A.	38.5464N	113.1050W	1707	
Beaver Lake Mountains	BKU	Utah,U.S.A.	38.5352N	113.1270W	1859	From 1980-12-01 to 1988-09-29
Beaver Mountain	BEAW	Wyoming,U.S.A.	43.2509N	110.6130W	2960	From 1990-09-01
Bebedouro	BEB22	Sao Paulo,Brazil	21.0540S	48.5040W	537	
Bebedouro	BB19	Sao Paulo,Brazil	21.0663S	48.5277W	566	
Bebedouro	BB16B	Sao Paulo,Brazil	21.0333S	48.5855W	527	From 2009-01-01
Bebedouro	BB19B	Sao Paulo,Brazil	21.0659S	48.5276W	574	
Bebedouro13	BE13	Sao Paulo,Brazil	21.0486S	48.5645W	532	
Bebedouro 22, SP (Brazil)	BB22B	Sao Paulo	21.0541S	48.5045W	571	From 2012-09-04 to 2013-01-11
Becancour	BECQ	Quebec,Canada	46.3449N	72.4829W	24	From 2012-03-07
Becerrea'	EXBE	Spain	42.8530N	7.1590W	675	
Bech	LILIE	Luxembourg	49.7542N	6.3952E	308	From 2009-12-01
Bechler	YPBE	Wyoming,U.S.A.	44.1495N	111.0390W	1966	
Becho	BCHG	Georgia,Georgia	43.0332N	42.5784E	1345	From 1983-01-01
Beckley	BL-	West Virginia,U.S.A.	37.7989N	81.3100W	610	From 1961-12-13 to 1965-07-23
Beckley	BL-WV	West Virginia,U.S.A.	37.7989N	81.3100W	610	From 1961-12-13 to 1965-07-23
Beckworth	BEKR	California,U.S.A.	39.8666N	120.3596W	1743	From 1996-10-02
Beclabito	T19A	New Mexico,U.S.A.	36.8299N	109.0249W	1736	From 2007-06-22 to 2009-03-03
Becsehely	BEHE	Hungary	46.4702N	16.7755E	298	From 2005-03-26
Bedford	BD-	Pennsylvania,U.S.A.	40.1333N	78.5078W	366	From 1962-12-22 to 1963-03-21
Bedford	BD-PA	Pennsylvania,U.S.A.	40.1333N	78.5078W	366	From 1962-12-22 to 1963-03-21
Bedland, Calhan	Q25A	Colorado,U.S.A.	38.9145N	104.2472W	2001	From 2008-06-08 to 2010-05-04
Bedord North Lawrence Stars, Bedford	Q47A	Indiana,U.S.A.	38.9362N	86.4261W	230	From 2011-11-07
Bedrichov	BEDC	Czech Republic	50.7893N	15.1698E	524	From 2020-02-11
Beebe Ranch	NBRM	California,U.S.A.	38.2610N	122.5510W	106	From 1970-08-14 to 2011-11-26
Beebe Ranch	BBR	California,U.S.A.	38.2610N	122.5510W	106	From 1970-08-14 to 2011-11-26

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Beebe Ranch Broadband	NBRB	California,U.S.A.	38.2602N	122.5518W	94	
Beecher Island, Eckley	O27A	Colorado,U.S.A.	40.1900N	102.4794W	1206	From 2008-12-07 to 2010-10-13
Beegum Peak	LBPM	California,U.S.A.	40.3183N	122.8810W	1051	
Beenleigh	BEEN	Queensland,Australia	27.7276S	153.1980E	130	
Be'er Ora	NITZ	Israel	29.6800N	34.9640E	100	From 1987-12-01 to 1988-03-31
Beerwah State High School	AUBSH	Queensland,Australia	26.8600S	152.9500E	26	From 2013-08-11
Beeville	835A	Texas,U.S.A.	28.2870N	97.8297W	57	From 2009-12-21 to 2011-11-13
Beganne - 56011 - Morbihan - Bretagne - France	BEGF	Bretagne	47.6144N	2.2619W	6	From 2019-03-29
Behbahan	ABEH	Iran	30.6000N	50.2531E	346	
Behrang	BHSMM	Peninsular Malaysia	3.7659N	101.5141E	69	
Beibei	PEH	Sichuan,China	29.8367N	106.4180E	213	
Beigang Elementary School	WCS	Taiwan region	24.0571N	120.9116E	102	From 2015-02-06
Beijing	BJI	Beijing,China	40.0403N	116.1750E	43	
Beijing	BJI2	Beijing,China	40.1017N	116.0820E		From 1977-03-01 to 1977-06-30
Beijing	PEK	Beijing,China	40.0403N	116.1750E	43	
Beinan	TWGBT	Taiwan region	22.8176N	121.0799E	195	From 1996-03-08
Beino	BEIL	Lebanon	34.5417N	36.1847E	572	From 2017-01-15
Beirut	BEYL	Lebanon	33.8717N	35.4932E	49	From 2006-07-01
Beit Ha Arava	ARVA	Israel	31.8080N	35.5080E	-330	From 1986-08-07 to 1988-04-10
Beja	PBEJ	Portugal	38.0264N	7.8664W	270	From 1995-06-01
Bekalta	BKLT	Tunisia	35.6186N	10.9965E	25	
Bekescsaba	BKE	Hungary	46.6125N	17.8930E	95	From 1987-01-01 to 1984-12-31
Belacker	BAF	Alsace,France	47.8347N	6.9953E	1000	From 1974-10-01
Belaya Gora	YBGR	Sakha,Russia	68.5317N	146.1927E	36	From 2011-08-12
Belbasi	BBTK	Turkey	39.8422N	32.7603E	1200	From 1986-01-01
Belbasi Array Beam Reference Point	BRAR	Turkey	39.8535N	32.7608E	1243	
Belbasi Array Site 1	BR01	Turkey	39.8417N	32.7601E	1286	
Belbasi Array Site 2	BR02	Turkey	39.8488N	32.7654E	1270	
Belbasi Array Site 3	BR03	Turkey	39.8334N	32.7656E	1259	
Belbasi Array Site 31	BR31	Turkey	39.8535N	32.7608E	1243	
Belbasi Array Site 4	BR04	Turkey	39.8409N	32.7413E	1265	
Belbasi Array Site 5	BR05	Turkey	39.8481N	32.7469E	1265	
Belbasi Array Site 6	BR06	Turkey	39.8533N	32.7483E	1210	
Belbasi Site	BR00	Turkey	39.8535N	32.7608E	1243	
Belchertown	QUA2	Massachusetts,U.S.A.	42.2789N	72.3525W	168	
Belem	BEB	Para,Brazil	1.4500S	48.4450W	15	From 1987-01-01
Belen	BLNT	Turkey	36.4880N	36.1880E	555	From 1997-03-01
Belen	BELE	Costa Rica,Costa Rica	9.9760N	84.1880W	908	
Beln	BENV	Venezuela	9.9623N	67.5988W	666	From 2015-06-11
Belene	RAZAM	Bulgaria	43.6451N	25.1243E	82	From 2012-11-20
Belfast (SA)	BFT	Transvaal,South Africa	25.6867S	30.0433E	1868	From 1986-01-01
Belfond	SLB	St Lucia	13.8275N	61.0412W	600	
Belforte del Chienti	BELF	Italy	43.1643N	13.2377E	347	From 2019-05-30
Belgrade	BGNE	Nebraska,U.S.A.	41.4083N	98.1502W	573	From 2008-10-18
Belgrade	BGY	Serbia	44.8026N	20.5158E	250	From 1990-01-01
Belgrano 2	BELA	Coats Land	77.8750S	34.6269W	262	From 2009-01-16
Belica	BELI	FYR Macedonia	41.6828N	21.2739E	523	From 2004-01-01
Belie Skali	BLSS	Sakhalinskaya Oblast',Russia	46.8390N	142.3180E	62	
Belie Skalie	BSK4	Sakhalinskaya Oblast',Russia	46.8395N	142.3184E	60	From 1996-01-01
Belisirma, Guzelyurt, AKSARAY	BSIR	Turkey	38.2691N	34.2905E	1240	From 2017-12-22
Bella	BEL3	Italy	40.7153N	15.6369E	758	
Bella Bella	BBB	British Columbia,Canada	52.1847N	128.1130W	14	From 1986-12-05
Bella Coola	BCBC	British Columbia,Canada	52.3720N	126.7550W	0	From 2007-12-06
Bellamira	BLLM	El Salvador	13.4425N	88.2378W	642	
Bellaria	BLLA	Italy	44.1429N	12.4703E	1	From 2009-01-15
Bellavista	BELL	Ecuador	0.1823S	78.4618W	2985	From 2010-07-09
Belle-Ile-en-Mer - Bangor - Morbihan - Bretagne - France	BIMF	Bretagne	47.3266N	3.2016W	44	From 2019-05-22
Belle Mtn. Joshua Tree, Twentynine Palms	BELC	California,U.S.A.	34.0006N	115.9982W	1388	From 2001-03-15
Belle Prairie	BPIL	Illinois,U.S.A.	38.2019N	88.5919W	133	
Belleterre	BELQ	Quebec,Canada	47.3980N	78.6874W	355	From 2007-08-22
Belleview	BE-	Florida,U.S.A.	28.9053N	82.0644W	21	From 1965-10-07 to 1967-01-16
Belleview	BE-FL	Florida,U.S.A.	28.9053N	82.0644W	21	From 1965-10-07 to 1967-01-16
Belle View Chopil	DBCT	Dominica	15.2707N	61.3456W	527	From 1989-12-01
Belleville	BV-	Pennsylvania,U.S.A.	40.6844N	77.6233W	244	From 1962-11-08 to 1962-12-12
Belleville	BV-PA	Pennsylvania,U.S.A.	40.6844N	77.6233W	244	From 1962-11-08 to 1962-12-12
Belleville	BVIL	Illinois,U.S.A.	38.5136N	89.9240W	162	
Bellevue	BVM	Martinique,France	14.7350N	61.0630W	694	From 1972-05-01
Bellevue State Park	BVD	Delaware,U.S.A.	39.7747N	75.4994W	58	From 1985-02-01
Bellfield	BFD	Victoria,Australia	37.1761S	142.5440E	235	From 1972-10-16 to 2006-05-29
Bellingham	BLL	Washington,U.S.A.	48.7389N	122.4850W	96	From 1961-12-01 to 1969-12-31
Bell Mountain	BLM*	Nevada,U.S.A.	39.1536N	118.0917W	1951	From 1972-01-13 to 1975-07-31
Bellombra (RO)	A304A	Italy	45.0167N	12.0335E	0	From 2016-02-05
Bell Site, White Sands Missile Range	123A	New Mexico,U.S.A.	32.6349N	106.2622W	1206	From 2008-05-14 to 2010-01-19
Bell Springs	KBSM	California,U.S.A.	39.9178N	123.5950W	1134	
Bellville	BLE	Cape Province,South Africa	33.9000S	18.6450E	78	
Belmond	K37A	Iowa,U.S.A.	42.7669N	93.6388W	365	From 2010-10-11 to 2012-10-23
Belmont	SVB	St Vincent,Saint Vincent and the Grenadines	13.2720N	61.2520W	282	From 1978-06-06
Belmont College, St. Clairsville	BTCO	Ohio,U.S.A.	40.0772N	80.9659W	372	
Belogorka	BGK	Kyrgyzstan	42.6250N	74.2360E	1450	
Belogorka 2	BGK2	Kyrgyzstan	42.6451N	74.2274E	1640	
Belogornoye	BELG	Saratovskaya Oblast',Russia	52.3934N	47.6244E	0	From 2014-03-03
Belogradchik	BLKB	Bulgaria	43.6227N	22.6750E	650	From 2012-11-20
BELONIA	BELO	Tripura,India	23.2485N	91.4472E	20	From 2011-05-01
Belsk	BEL	Poland	51.8355N	20.7888E	173	From 1965-11-03
Belted Range	BLT	Nevada,U.S.A.	37.4825N	116.1260W	1882	From 1979-05-30 to 2002-10-10
Belton	X54A	South Carolina,U.S.A.	34.5474N	82.3743W	213	From 2013-02-14
Beluga	BLGA	Alaska,U.S.A.	61.1765N	151.0313W	20	
Belurgan, Co Louth	ILTH	Ireland	54.0279N	6.3362W	20	From 2011-12-12
Belvedere	BELV	Provence-Cote d'Azur,France	44.0160N	7.3190E	800	From 2004-03-17
Belvidere	W49A	Tennessee,U.S.A.	35.1194N	86.2645W	251	From 2012-04-18
Belvoir	BELVR	France	47.3259N	6.6023E	669	From 2018-09-11 to 2020-01-01
Belvue	BEK	Kansas,U.S.A.	39.2632N	96.1997W	349	From 1977-09-15 to 2001-07-15
Belyy Ugol+	BEYR	Russia	44.0120N	42.8170E	660	
Belyy Yar	BYAR	Khanty-Mansi Autonomous Okrug,Russia	61.4167N	73.4000E	91	
Bemidji	BEM	Minnesota,U.S.A.	47.4889N	94.8683W	426	From 1981-07-07
BENADO ABAJO	BENA	Ecuador	0.2534S	80.1569W	182	From 2016-05-20
Benavente	PBEN	Portugal	38.9465N	8.8264W	40	From 2015-10-13
Benavides	934A	Texas,U.S.A.	27.6018N	98.5192W	144	From 2009-12-20 to 2011-11-16
Bench	BEH	Alaska,U.S.A.	66.0150N	149.8120W		From 1985-03-01
Benchmark Campground	BMMT	Montana	47.4907N	112.8763W	1675	From 2018-08-22
Bencubbin	BENC	Western Australia	30.8100S	117.8591E	356	
Bend	CKT	Alaska,U.S.A.	61.2008N	152.2060W	1036	From 1992-09-17
Bend	BEND	Oregon,U.S.A.	44.0669N	121.3267W	1141	
Bend	I05A	Oregon,U.S.A.	44.1626N	121.2675W	1011	From 2004-07-21 to 2008-01-30
Benevento	BNV	Italy	41.1310N	14.7820E	154	
BENEVENTO	BN013	Italy	41.1292N	14.7823E	174	From 2017-07-01
Bengkulu	BGI	Sumatera,Indonesia	3.6500S	102.5670E		
Beni-Abbes	BAB	Algeria	30.1214N	2.1861W		
Beniarda	EBEN	Spain	38.7038N	0.2250W	764	
Beniarda presa Alicante	EBEN2	Spain	38.6763N	0.1904W	420	From 2012-05-31
Beni Bahdel	OBBL	Algeria,Algeria	34.7076N	1.5043W	782	
Benidorm	EXBN	Spain	38.5450N	0.1310W	45	
Beni Haoua	EBNH	Algeria,Algeria	36.5210N	1.5590E	221	
Beni Haroun dam	CBHR	Algeria,Algeria	36.5652N	6.2715E	282	
Beni Messoud	BMD	Morocco	35.7803N	5.6997W	396	
Beni Rached	EBNR	Algeria	36.2905N	1.5302E	636	
Benito Juarez	SCT2	Mexico D.F.	19.3947N	99.1470W	2240	
Benito Juarez	BJVM	Mexico D.F.	19.3750N	99.1705W	2200	
Ben Lomond Mountain, Santa Cruz County	JBNB	California,U.S.A.	37.1232N	122.1567W	761	From 2008-05-23
Ben Lomond (Santa Cruz Mountains)	BNLO	California,U.S.A.	37.1311N	122.1729W	794	From 2005-04-20 to 2007-09-02
Bennet, Jal	227A	New Mexico,U.S.A.	32.0120N	103.2924W	879	From 2008-03-21 to 2010-02-15
Bennett Dam	BDBC	British Columbia,Canada	56.1742N	122.2820W	700	From 1985-10-01
Benn Knob	BENN	North Carolina,U.S.A.	35.5650N	81.6610W	878	From 1982-01-22 to 2008-02-13
Benoni	BNON	South Africa	26.1580S	28.3190E	1683	From 2010-03-01
Bensberg	BA09	Nordrhein-Westfalen,Germany	50.9638N	7.1755E	200	From 2006-10-01
Bensberg	BNS	Nordrhein-Westfalen,Germany	50.9639N	7.1756E	200	From 1954-04-01
Benson	G34A	Minnesota,U.S.A.	45.2419N	95.6380W	316	From 2010-09-16 to 2012-07-26
Benson Hill Elementary School	RBEN	Washington,U.S.A.	47.4348N	122.1862W		
Benson Ranch	BENWA	Washington,U.S.A.	46.5188N	119.7170W	335	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Bentivoglio (BO)	A307A	Italy	44.6608N	11.4363E	8	From 2015-11-05
Benton	BENR	California,U.S.A.	37.7155N	118.5730W	2490	From 1983-07-29
Benton	T44A	Missouri,U.S.A.	37.0860N	89.5896W	133	From 2011-07-23 to 2013-03-19
Beograd	BEO	Serbia	44.8093N	20.4714E	129	From 1910-06-01
Beolgok	BLGA0	Republic of Korea	36.5400N	126.9473E	85	From 2018-03-09
Beppu	BEP	Oita,Japan	33.2833N	131.4830E	75	
Beppuamama	JBEP	Kumamoto,Japan	33.3363N	131.4072E	434	From 2010-02-01
Beqa	BQA	Fiji	18.3786S	178.1350E	439	From 1979-10-01
Berane	IVA	Montenegro	42.8718N	19.8931E	996	From 1982-12-25
Berane	BEY	Montenegro	42.8718N	19.8931E	996	From 1982-12-25
Berat	BERA1	Albania	40.7082N	19.9455E	265	From 2013-10-18
Berati	BERA	Albania	40.7027N	19.9494E	100	
Berchikul'	BRCR	Kemerovskaya Oblast',Russia	55.6400N	88.3200E	350	
Berchtesgaden	BGLD	Bayern,Germany	47.6524N	13.0125E	930	From 1999-10-22
Berda	BERT	Tunisia	34.2410N	9.0118E	320	
Berdun	YBER	Spain	42.5810N	0.9182W	632	From 2010-05-01
Beregovo	BERU	Carpathian Mountains	48.2336N	22.6464E	140	From 2000-07-12
Bereket-Mersin	BERE	Turkey	36.3474N	33.2229E	1379	From 2011-07-01
Berezeni	BERR	Romania	46.3589N	28.1501E	66	From 2001-11-08
Berezniki	BRZS	Kazakhstan	49.9820N	72.6780E	497	From 2010-09-01
Berezniki,	BRK30	Permskiy Kray	59.3809N	56.8270E	150	From 2013-10-27
Berezovaya	BERS	Kamchatskaya Oblast',Russia	52.2700N	158.4330E	10	From 1981-01-01 to 1994-12-31
Bergn Schule, GR	SBGN	Switzerland	46.6282N	9.7484E	1373	From 2015-07-15
Bergamo	BGMO	Italy	45.6925N	9.6903E	278	From 2019-07-30
Bergamo, Funivia il Toro, Foppolo	A289A	Italy	46.0473N	9.7610E	1780	From 2015-09-09
Bergen	BER	Norway	60.3838N	5.3339E	50	From 1994-06-28
Bergen	BRGNA	Alberta,Canada	51.6769N	114.7269W	1246	From 2013-10-29
Bergerie de la Roque, 34343, Viols le Fort, Herault	A199A	France	43.7438N	3.6883E	341	From 2016-08-26
Berg Farm, Melba	J10A	Idaho,U.S.A.	43.4275N	116.7670W	748	From 2006-11-29 to 2008-07-24
Berggiesshubel	BRG	Sachsen,Germany	50.8732N	13.9428E	260	
Bergheim	BEG	Nordrhein-Westfalen,Germany	50.9613N	6.6557E	-95	From 1975-05-01 to 1994-12-01
Bergheim	BGUS	Saskatchewan,Canada	52.1960N	106.3980W	594	From 1999-01-01 to 2002-12-01
Bergheim Laurentius Kirche	BD01	Nordrhein-Westfalen,Germany	50.9593N	6.6355E	78	From 2001-01-01
Bergile	ABERE	Ethiopia	12.1707N	41.1886E	574	
Berg Lake	BERG	Alaska,U.S.A.	60.3928N	143.7018W	474	
Bergtoll Ranch, Theony	A21A	Montana,U.S.A.	48.9912N	106.9254W	779	From 2008-09-17 to 2010-07-19
Bergwerk Finstertal	BBWF	Germany	50.7354N	10.5042E	400	From 2013-05-14
Bergwerk Schwarze Crux	CRUX	Thuringen,Germany	50.6030N	10.7921E	718	From 2012-06-01
Berhale	HALE	Ethiopia	13.8422N	40.0077E	710	
Bering	BKI	Kamchatskaya Oblast',Russia	55.2040N	165.9720E	10	
Bering Glacier BLM Camp	BGLC	Alaska,U.S.A.	60.1205N	143.2841W	10	From 2013-01-01
Berja	EBER	Spain	36.8979N	2.8896W	1690	
Berkeley--Byerly	BKS	California,U.S.A.	37.8762N	122.2356W	243	From 1962-01-01
Berkeley--Haviland	BRK	California,U.S.A.	37.8735N	122.2610W	49	From 1887-01-01
Berland Lookout Tower, Alberta	BRLDA	Alberta,Canada	54.0920N	117.4038W	1223	From 2014-07-30
Berlin	BRN	Berlin,Germany	52.4188N	13.2031E	45	From 1972-07-01
Berlin	BNH	New Hampshire,U.S.A.	44.5906N	71.2564W	472	From 1963-01-01 to 1999-01-31
Berlin	BR-PA	Pennsylvania,U.S.A.	39.9242N	78.8447W	665	From 1962-12-30 to 1965-07-23
Berlin--Free University	BRL	Berlin,Germany	52.4715N	13.2904E	-68	From 1970-01-01
Berlin--Lankwitz	BRNL	Berlin,Germany	52.4278N	13.3580E	42	From 1991-04-06
Berlin (NY)	BERL	New York,U.S.A.	42.6913N	73.3913W	549	
Berlin (Penn)	BR-	Pennsylvania,U.S.A.	39.9242N	78.8447W	665	From 1962-12-30 to 1965-07-23
Bermuda--Columbia	BEC	Bermuda	32.3794N	64.6811W	41	From 1939-02-03
BERMUDA INFRASONIC ARRAY REFERENCE POINT	I51GB	Bermuda	32.3615N	64.6987W	-35	From 2008-11-10
Bermuda-Navy	BEN	Bermuda	32.2697N	64.8536W		
Bernadia	BERI	Italy	46.2367N	13.2433E	640	From 1977-05-06
Bernadia	BAD	Italy	46.2367N	13.2433E	640	From 1977-05-06
Bernardo	BDNM	New Mexico,U.S.A.	34.4960N	106.9130W	1505	From 1990-01-01
Bernardo	X22A	New Mexico,U.S.A.	34.5058N	107.0102W	1604	From 2008-01-10 to 2009-12-02
Bernie	BRM	Missouri,U.S.A.	36.6333N	90.0597W	109	From 1969-01-01 to 1973-12-31
Bernie	BRNM	Missouri,U.S.A.	36.7236N	89.9978W	103	
Bernies	BRNS	Egypt	23.8559N	34.1143E	332	
Berninapass	BERNI	Switzerland	46.4132N	10.0221E	2310	From 1998-08-01
Bern, Kleine Schanze	SBERN	Switzerland	46.9458N	7.4395E	544	From 2012-11-01
Bernov	BERN	Czech Republic	50.2321N	12.5117E	635	
Berrybush	BYB	Wales,United Kingdom	51.8994N	5.0958W	0	
Berryessa Peak	NBPM	California,U.S.A.	38.6678N	122.1930W	67	From 1974-05-10
Berryman	BRR	Missouri,U.S.A.	37.9533N	91.1750W	250	From 1960-01-01 to 1962-12-31
Ber_school_1	RORSS	Norway	64.8702N	11.2340E	0	From 2000-01-01
Ber_school_2	MELSS	Norway	66.8637N	13.7233E	29	From 2000-01-01
Bertagne	BERF	Provence-Cote d'Azur,France	43.3130N	5.6907E	1030	
Bertell Ranch	BRTC	California,U.S.A.	34.6115N	117.9630W	789	
Bertha Hill	BHI	Idaho,U.S.A.	46.7640N	115.7920W	1652	From 1971-10-01 to 1976-01-14
Berwen	BWZ	South Island,New Zealand	44.5301S	169.8831E	490	From 1991-01-20
Besancon	BES	Franche Comte,France	47.2497N	5.9875E	311	From 1950-01-01
Besboro Island	BBO	Alaska,U.S.A.	64.1212N	161.3050W	244	
Besenyszg	BSZH	Hungary	47.2996N	20.2670E	82	From 2013-09-11
Besham	BSM1	Pakistan	34.9030N	72.8610E	608	From 2012-01-01
BESHS	BESHS	Saudi Arabia	17.3651N	42.8395E	241	
Besiri	BEST	Turkey	37.8911N	41.2700E	959	From 2003-10-02 to 2013-02-01
Besmoynak	BMNS	Kazakhstan	43.1080N	75.6690E	1624	From 2004-05-18 to 2012-06-30
Besneville	BESN	France	49.3743N	1.6143W	69	From 2018-12-01
Bessie Mountain	BESE	Alaska,U.S.A.	58.5796N	134.8543W	870	
Betania	BETC	Colombia	2.6813N	75.4413W	540	From 1994-01-01
Bet Guvrin	GVI	Israel	31.6320N	34.9090E	390	From 1983-04-01 to 1999-08-25
Bethany	BETM	Missouri,U.S.A.	36.6119N	90.0593W	129	
Betharram	BTH	Aquitaine,France	43.1231N	0.2069W	325	From 1986-08-01 to 1995-12-31
Bethel	BHO	Oklahoma,U.S.A.	34.3808N	94.8673W	143	From 1981-03-30 to 1987-10-15
Bethel	BQ-AK	Alaska,U.S.A.	60.7789N	161.8836W	46	
Bethel	BET	Alaska,U.S.A.	60.8078N	161.7720W		
Bethel	M14K	Alaska,U.S.A.	60.7515N	161.9600W	19	From 2017-05-22
Bethel	BETH	Kentucky,U.S.A.	38.2467N	83.8531W	278	From 1980-10-26 to 1999-08-25
Bethel	MBET	Montserrat	16.7414N	62.1631W	350	From 1989-07-01
Bethesda, Antigua	ANBD	Antigua	17.0480N	61.7650W	26	From 2014-09-18
Bethesda--National Naval Medical Center	NHB	Maryland,U.S.A.	39.0016N	77.0837W	91	From 1962-01-01 to 1972-12-31
Betijoque	BETV	Venezuela	9.3795N	70.6730W	638	
Bet Lehem HaGelilit	BLGI	Israel	32.7334N	35.1913E	190	From 2007-11-19
BETM	BETMI	Israel	29.7800N	34.8930E	40	From 1985-11-01 to 1986-06-30
Bet Oren	BRNI	Israel	32.7200N	34.9900E	400	From 1991-12-01
Bettingen Gewerbehaus	SBEG	Switzerland	47.5709N	7.6645E	377	From 2012-03-12
Bettles	G22K	Alaska,U.S.A.	66.9214N	151.5073W	205	From 2016-06-17
Bettona	BETT	Italy	42.9925N	12.4796E	531	From 2016-10-01
Betulia, Santander	BTLC	Colombia	6.9185N	73.2677W	1874	From 2009-09-01 to 2011-11-30
Beuda	CBEU	Spain	42.2567N	2.6769E	824	From 2007-05-01
Beulah	H45A	Michigan,U.S.A.	44.6232N	86.0440W	242	From 2012-11-09
Beulah Township	D49A	Ontario,Canada	47.2726N	81.3562W	416	From 2012-10-31
Beuren	BEU	Baden-Wurttemberg,Germany	48.5838N	9.4153E	443	From 1973-01-01 to 2002-03-08
Beuren	BEUR	Germany	50.0796N	7.0781E	386	
Beverley	BEV	Jamaica	18.4517N	77.3000W	123	
Beverly	BVW	Washington,U.S.A.	46.8110N	119.8823W	670	
Beverly	BEVE	Western Australia	32.1087S	116.9247E	204	
Beverly Hills	BVH	California,U.S.A.	34.0762N	118.3959W	39	
Beykoz	BEYT	Turkey	41.1590N	29.2910E	153	
Beylaqan	BLQ	Azerbaijan	39.7210N	47.5590E	300	From 2013-10-10
Bezymyanka	BZMS	Kamchatskaya Oblast',Russia	55.5620N	160.3850E	1486	
Bezymyannaya	BZMR	Kamchatskaya Oblast',Russia	55.9350N	160.4900E	1450	From 2006-08-01
Bezymyannyi-Griva	BZGR	Kamchatskaya Oblast',Russia	55.9400N	160.6960E	1152	From 2007-08-23
Bezymyannyi-Pereval	BZP	Kamchatskaya Oblast'	55.9119N	160.5382E	1556	From 2016-07-25
Bezymyannyi-West	BZWR	Kamchatskaya Oblast',Russia	55.9640N	160.4960E	1624	From 2007-08-23
Bfoussam II, CM16	ACM16	Cameroon	5.4800N	10.5720E	645	
BGI	BGII	Israel	31.7220N	35.0920E	760	From 1988-08-01 to 1991-04-30
Bhachau	BHAC	Gujarat,India	23.2800N	70.3400E	14	From 2012-01-01
Bhadarwah	BDGH	Jammu and Kashmir	32.9825N	75.7115E	1620	
Bhadarwah	BDRWA	Jammu and Kashmir	32.9618N	75.7235E	1732	
Bhakra	BHK	Punjab,India	31.4167N	76.4167E	410	From 1965-02-15
Bhandari	BHDI	Nagaland,India	26.2800N	94.1492E	700	
Bhannes	BHL	Lebanon	33.9042N	35.6542E	1000	From 1980-05-01
Bharisain	BHAR	Himachal Pradesh,India	30.0946N	79.2658E	2262	From 2012-01-01
Bharudia	BHRD	Gujarat,India	23.3060N	70.2427E	45	From 2012-01-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Bhatsa	BHAT	Maharashtra,India	19.5196N	73.4020E	0	From 1983-07-01
Bhavnagar	BHV	Gujarat,India	21.7500N	72.1433E	7	From 2002-07-16
BHIKNUR	BNR	Andhra Pradesh,India	18.2325N	78.3932E	460	From 2000-01-01
Bhimchula	BHMN	Nepal	28.6560N	81.7140E	2283	From 2004-07-15
Bhopal	BHPL	Madhya Pradesh,India	23.2410N	77.4245E	520	
Bhubaneshwar	BWNR	Orissa,India	20.2955N	85.8058E		
Bhuj	BHUJ	Gujarat,India	23.2540N	69.6540E		
Bhuj	BHJ	Gujarat,India	23.2540N	69.6540E	80	From 1980-04-01
Bhuj North	BHUN	Gujarat	23.3500N	69.6500E	160	
Bhumibol Dam	BDT	Thailand	17.2443N	99.0030E	154	From 1976-01-01
Biak	BAKI	Irian Jaya,Indonesia	1.1914S	136.1070E	89	
Bialla	BIAL	New Britain,Papua New Guinea	5.3100S	151.0520E	160	From 1985-05-13
Bibbiana	BIBN	Italy	44.1320N	11.5130E	711	From 2005-04-23
Bibbona	MAGO	Italia	43.2731N	10.6579E	279	From 2016-09-01
Biberach	BIBE	Germany	48.0931N	9.7947E	531	From 1905-01-01 to 1915-12-31
Biberach, Ahlen	A104C	Germany	48.1266N	9.6566E	656	From 2017-08-23
Biberach, Stafflangen	A104A	Germany	48.0628N	9.7104E	575	From 2015-11-10
Biberach, Stafflangen 2	A104B	Germany	48.0757N	9.7032E	588	From 2016-11-09
Biblin	BIBL	Ecuador	2.7600S	78.8880W	3073	From 2012-09-20
Biblis	WBH	Hessen,Germany	49.7047N	8.4151E	85	From 2004-09-17 to 2007-09-17
B. Ibn Batouta	BIT	Morocco	35.6481N	5.7289W	60	
Bica de Lurdes, Rio Formoso	NBBL	Pernambuco	8.6820S	35.1512W	64	From 2017-12-05
Bicaz	BIZ	Romania	46.9392N	26.1042E	410	
Biccari - m.te Cornacchia	MOCO	Italy	41.3700N	15.1580E	1049	From 2005-08-03
Bickleton	BLTW	Washington,U.S.A.	45.9150N	120.1770W	659	
Bidbid	BIDO	Oman	23.5211N	58.1269E	200	From 2001-07-01
Biddle	G23A	Montana,U.S.A.	45.2012N	105.3907W	1064	From 2008-11-23 to 2010-08-13
Bidston	BID	England,United Kingdom	53.4000N	3.0667W	60	
Bidwell	Q52A	Ohio,U.S.A.	38.9622N	82.2669W	228	From 2012-08-26
Bieber	WBG	Hessen,Germany	50.1716N	9.3459E	310	From 2003-12-15
Bieberswoehr	A352A	Germany	49.8214N	11.6903E	452	From 2015-10-23
Biel, Kongresshaus, BE	SBIK	Switzerland	47.1344N	7.2470E	430	From 2014-11-11
Biella	BIEL	Italy	45.5459N	8.0553E	375	From 2019-07-30
Bielow Farm, Ricketts	L35A	Iowa,U.S.A.	42.1123N	95.5448W	410	From 2010-06-07 to 2012-04-26
Bielsa	EBIE	Spain	42.6862N	0.1428E	2130	
Bielsko-Biala	MIKI	Poland	49.7884N	19.0603E	358	From 2005-06-15
Biga-Canakkale	BIGA	Turkey	40.2813N	27.1503E	60	From 2019-11-21
Big Bar	N02C	California,U.S.A.	40.8220N	123.3057W	717	From 2005-06-29 to 2007-11-19
Big Bay de Noc Black Bears, Cooks	F44A	Michigan,U.S.A.	45.9737N	86.4226W	234	From 2011-09-18 to 2013-06-11
Big Bear	BBC	California,U.S.A.	34.2417N	116.9080W	2060	From 1951-06-21 to 1957-09-20
Big Bear Solar Observatory, Big Bear Lake	BBRC	California,U.S.A.	34.2623N	116.9207W	2069	From 2000-06-14
Big Bend	BBM	Montana,U.S.A.	48.3764N	115.3280W	719	From 1971-02-01 to 1974-07-09
Big Bend	BBI	Idaho,U.S.A.	44.1762N	111.4290W	1950	From 1974-06-01 to 1980-07-24
Big Bend Ranch, Presidio	626A	Texas,U.S.A.	29.5540N	104.1335W	979	From 2008-03-09 to 2010-02-07
Big Butte	BGB	Nevada,U.S.A.	37.0402N	116.2278W	1706	From 1979-01-23 to 2002-10-10
Big Chico Creek Reserve, CA USA	BCCR	California	39.8200N	121.7351W	510	From 2018-01-01
Big Chuckawalla Mtns, Desert Center	BC3	California,U.S.A.	33.6551N	115.4537W	1137	From 1991-05-08
Big Chuckawalla Mountains 2	BC2	California,U.S.A.	33.6570N	115.4612W	1185	From 1974-11-01 to 2008-02-22
Big Creek	BGN	Nevada,U.S.A.	41.6761N	118.5970W	1527	From 1974-03-01 to 1975-08-31
Big Creek Baldy	BCB	Montana,U.S.A.	48.6351N	115.5450W	1756	From 1972-07-02 to 1976-10-04
Big Creek Wildlife, Hattiesburg	346A	Mississippi,U.S.A.	31.3876N	89.4649W	91	From 2011-03-18
Big Creek, Yellow Pine	G12A	Idaho,U.S.A.	45.1285N	115.3257W	1780	From 2007-07-29 to 2009-07-25
Big Darby	GBDM	California,U.S.A.	39.4420N	123.3090W	655	
Big Dutch Hollow	BDU	Utah,U.S.A.	40.8742N	111.5340W	2198	From 1974-09-01 to 1989-04-24
Bigeumdo	BGDB	Republic of Korea	34.7726N	125.9469E	-62	From 2016-05-31
Bigfork	BFM	Montana,U.S.A.	48.0672N	114.1000W	914	
Big Grassy Butte	GBI	Idaho,U.S.A.	43.9875N	112.0630W	1561	
Big Grassy Mountain	BGU	Utah,U.S.A.	40.9254N	113.0299W	1608	
Big Gulch	LBGM	California,U.S.A.	40.8023N	122.5897W	884	
Big Hill	BLW	North Island,New Zealand	41.3670S	175.4749E	340	From 1979-06-29 to 2004-06-08
Big Hole Peak	BHMT	Montana,U.S.A.	47.5825N	115.0370W	1628	
Big Horn, Sheridan	H21A	Wyoming,U.S.A.	44.6277N	107.0423W	1411	From 2008-07-25 to 2010-09-08
Big Horse Ranch, Ione	R04C	California,U.S.A.	38.2571N	120.9363W	115	From 2004-12-08 to 2007-12-04
Big Koniuji Island	BKJ	Alaska,U.S.A.	55.1567N	159.5590W	146	
Big Lost River	LRI	Idaho,U.S.A.	43.5283N	112.9480W	1509	From 1971-12-01 to 1999-08-25
Big Maria Mountains	BMM	California,U.S.A.	33.7567N	114.5860W	564	From 1974-04-01 to 1976-10-31
Big Mountain	BBGM	California,U.S.A.	36.5780N	121.0392W	1065	From 1972-02-03 to 2011-11-26
Big Mountain	BGM	Alaska,U.S.A.	59.3927N	155.2290W	625	From 1979-02-21
Big Mountain	BIG	Alaska,U.S.A.	59.3889N	155.2170W	567	From 1972-07-31 to 1978-09-08
Big Mountain, AK	P18K	Alaska	59.3922N	155.2292W	680	From 2015-06-15
Big Mountain Broadband	BBGB	California,U.S.A.	36.5785N	121.0396W	1089	
Big Muddy Lake	BMS	Saskatchewan,Canada	49.2117N	104.7930W	700	From 1977-07-11
Bigot	BIM	Martinique,France	14.5170N	61.0708W	425	From 1972-01-01
Big River Lodge, Big River	M19K	Alaska	61.9037N	154.3915W	521	From 2015-06-19
Big Rock Lookout	BROR	Oregon,U.S.A.	44.2674N	122.4520W	135	
Big Springs	BSPT	Tennessee,U.S.A.	35.7260N	84.1090W	334	From 1983-11-01
Big Stone Gap	BI-VA	Virginia,U.S.A.	36.8458N	82.7069W	549	From 1962-11-07 to 1962-12-12
Big Stone Gap	BI-	Virginia,U.S.A.	36.8458N	82.7069W	549	From 1962-11-07 to 1962-12-12
Bigte	NZB	Luzon,Philippines	14.8630N	121.1010E	227	
Big Timber	F18A	Montana,U.S.A.	45.9046N	109.7158W	1291	From 2007-09-18 to 2009-09-12
Big Trails, Ten Sleep	I21A	Wyoming,U.S.A.	43.8122N	107.2920W	1639	From 2008-07-29 to 2010-09-13
Biharamulo	BIHA	Tanzania,United Republic of Tanzania	2.6378S	31.3162E	1433	
Bijagual	BIJ	Costa Rica	9.7193N	84.5795W	595	From 2002-04-11 to 2002-10-01
Bijagual	LAJ	Costa Rica	9.8637N	84.1213W	1650	
Bijeljina	BLJ	Bosnia and Herzegovina	44.7830N	19.2670E	94	From 2002-07-05
BIKANER	BKNR	Rajasthan	28.0200N	73.2780E	228	From 2018-03-18
Bilaigarh	BLGR	India	21.6420N	82.7220E	236	From 2018-02-15
Bilal Ibnou Rabah	CBOS	Algeria,Algeria	36.7926N	6.3162E	158	
Bilaspur	BLSP	Madhya Pradesh,India	22.1291N	82.1319E	398	
Bilaspur	BLPI	Madhya Pradesh,India	22.0833N	82.4167E	85	
Bila Voda	BVOC	Czech Republic	50.4338N	16.8908E	400	From 2012-02-14
Bilecik/Merkez-Dede RL	BILE	Turkey	40.1615N	29.8750E	999	
Bilecik-Osmaneli-Hisarck	HISA	Turkey	40.4660N	29.9217E	885	From 2017-03-15
Bilibino	BILL	Magadanskaya Oblast',Russia	68.0389N	166.2711E	299	
Bilibino, Chukotka	BILI	Magadanskaya Oblast',Russia	68.0580N	166.4490E	283	From 1981-08-01 to 1992-04-30
Billerbeck	NE35	Nordrhein-Westfalen,Germany	51.9720N	7.3480E	166	
Billings	BS-MA	Montana,U.S.A.	45.7322N	108.8922W	1219	
Billings	F20A	Montana,U.S.A.	45.8006N	108.1488W	1194	From 2008-07-23 to 2010-08-13
Bima	BMNI	Sumba,Indonesia	8.5400S	118.6926E	63	From 2005-01-01
Bindweide	BIW	Rheinland-Pfalz,Germany	50.7308N	7.8373E	312	
Bingham Canyon	BIU	Utah,U.S.A.	40.5131N	112.1360W	2244	
Binghamton	BING	New York,U.S.A.	42.0757N	75.9767W	408	From 1978-10-18 to 1986-09-30
Binghamton	BINY	New York,U.S.A.	42.1993N	75.9861W	498	From 1993-08-17
Binghamton	BNY	New York,U.S.A.	42.0896N	75.9708W	291	From 1970-08-01
Bingley Moor	BMY	England,United Kingdom	53.8698N	1.8185W	235	
Bingol	BINT	Turkey	38.8758N	40.4890E	1342	From 1997-08-21
Bingol	BGOL	Turkey	38.9882N	40.6711E	1166	From 2011-01-07
BINGOL	BNGL	Turkey	38.9521N	41.1499E	1968	From 2005-07-11
Bingl	BNGB	Turkey	38.9913N	40.6790E	1180	From 2008-11-21
Bingol, Solhan-Merkez	SLHN	Turkey	38.9572N	41.0239E	1373	From 2014-12-02
Binningen	SBIS2	Switzerland	47.5411N	7.5835E	315	From 2008-12-01
Binsa	BIN	Democratic Republic of the Congo	4.3667S	15.2500E	450	From 1966-01-01 to 1999-08-25
Bintulu	BTM	Sarawak,Malaysia	3.2000N	113.0833E	156	
BinXian	BNX	Heilongjiang	45.7394N	127.4045E	227	From 2009-01-01
Biogem	BIOG	Italy	41.1999N	15.1326E	625	
Biorka	BIO	Alaska,U.S.A.	56.8517N	135.5580W	61	From 1967-06-08 to 1970-05-31
Bi'r al Bayda'	BIDS	Saudi Arabia	26.8669N	36.9575E	200	
Biratnagar	BIRA	Nepal	26.4840N	87.2670E	12	From 2001-10-19 to 2002-10-30
Biratori	JBT	Hidaka,Japan	42.5898N	142.1337E	100	From 1995-04-01
Biratori 2	JBT2	Hidaka,Japan	42.7783N	142.3637E	170	
Birch Creek	H25K	Alaska,U.S.A.	66.2670N	145.8197W	144	From 2016-07-21 to 2016-11-09
Birch Creek	H25L	Alaska,U.S.A.	66.2670N	145.8187W	144	From 2016-11-10
Birch Creek	BCKR	California,U.S.A.	37.6975N	118.3720W	1634	From 1984-09-13
Birch Farm	BFZ	North Island,New Zealand	40.6817S	176.2463E	283	From 1996-04-03
Birchfield Mountain	BFMT	Tennessee,U.S.A.	35.4880N	84.2270W	329	From 1983-11-09
Birch Hill	BRH	Alaska,U.S.A.	64.8648N	147.6400W	330	From 1970-07-09 to 1972-08-10
Bird Springs	WBSM	California,U.S.A.	35.5370N	118.1390W	1932	
Birdtown, Kershaw	BIRD	South Carolina,U.S.A.	34.6450N	80.4615W	131	
Bir El Hammam	OBHAM	Algeria	34.4184N	0.4792W	1256	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Birine	ABRIN	Algeria	35.6253N	3.1240E	762	
Birjand	BIRU	Iran	32.9000N	59.2000E	0	
Birkenau	A113A	Germany	49.5460N	8.7296E	359	From 2015-11-05
Birlad	BIR	Romania	46.2664N	27.6264E	225	From 1979-01-01
Birley Grange	KBI1	England,United Kingdom	53.2543N	1.5279W	272	From 1988-01-01
Birmah	KBR13	Saudi Arabia	25.7702N	38.8517E	573	
Bir Mashi	BMSH	Saudi Arabia	28.8139N	34.8389E	50	From 1993-07-01
Birney	G22A	Montana,U.S.A.	45.2189N	106.2924W	1203	From 2008-11-22 to 2010-08-10
Birongo	BIRV	Venezuela	10.4756N	66.2693W	200	
Birsfelden, Friedhof	SBIF2	Switzerland	47.5543N	7.6278E	257	From 2014-08-15
Bi'r Shalatayn	HSHL	Egypt	23.1067N	35.3999E	155	
Bisaccia	BSC3	Italy	41.0120N	15.3852E	980	
Bisbee	318A	Arizona,U.S.A.	31.4390N	109.9907W	1576	From 2007-03-07 to 2009-01-20
Biscoitos	PBIS	Azores,Portugal	38.7613N	27.2527W	435	From 2003-03-01
Bishah	BISH	Saudi Arabia	20.0010N	42.5990E	800	From 1991-05-01
Bishkek	FRU1	Kyrgyzstan	42.8100N	74.6300E	929	From 2010-06-30
Bishkek	FRU	Kyrgyzstan	42.8333N	74.6167E	655	
Bishop	BHPR	California,U.S.A.	37.2995N	118.4870W	2171	From 1984-08-10
Bishop	BP-	California,U.S.A.	37.3600N	118.6903W	2317	From 1963-04-16 to 1963-07-18
Bishop	BP-CL	California,U.S.A.	37.3600N	118.6903W	2317	From 1963-04-16 to 1963-07-18
Bishop Farm, Joseph	G10A	Oregon,U.S.A.	45.2925N	117.1204W	1527	From 2006-08-24 to 2008-07-18
Bishrakh	BISR	Uttar Pradesh,India	28.5710N	77.4390E	0	
Bislig	BIPH	Mindanao,Philippines	8.1840N	126.3610E	44	
Bislig	BIP	Mindanao,Philippines	8.2250N	126.2500E	200	
Bismark Peak	BIS	Nevada,U.S.A.	39.1238N	119.6750W	1786	From 1978-03-01
Bisoca	BISRR	Romania	45.5481N	26.7099E	866	From 2012-12-06
BISOCA	BISC	Romania	45.5402N	26.6874E	950	From 2005-08-10
Bistriski jarek	BISS	Slovenia	46.6478N	15.1271E	480	From 1996-12-01
Bisya	BSYO	Oman	22.7310N	57.2402E	350	From 1998-05-26 to 2000-12-31
Bisya	BSY	Oman	22.7446N	57.1995E	450	From 2001-07-01
Bitlis	BTLK	Turkey	38.4070N	42.1060E	1545	
BITLIS_Adilcevaz	ADCV	Turkey	38.8080N	42.7245E	1774	From 2011-11-01
Bitlis-Merkez	BLIS	Turkey	38.4146N	42.1152E	1608	From 2013-03-21
Bitola	BIA	FYR Macedonia	41.0194N	21.3239E	720	From 1994-09-17
Bitov	A084A	Czech Republic	48.9434N	15.7007E	403	From 2015-09-22
Bitter Crk WRge	BCW	California,U.S.A.	34.9401N	119.4131W	1101	
Bitterwater Creek	BTW	California,U.S.A.	36.3150N	120.9290W	381	From 1972-01-27
Bitterwater Creek	PBWM	California,U.S.A.	36.3150N	120.9290W	381	From 1972-01-27
Bitterwater Pump Station	PBPM	California,U.S.A.	35.5791N	120.0775W	569	
Bixby	BIX	Oklahoma,U.S.A.	35.9780N	95.8461W	195	From 1990-08-01
Biye Kabobe	BOBE	Ethiopia	10.3798N	42.5724E	941	
Bjarnarey	IBEY	Iceland	63.4486N	20.1949W	100	From 2017-09-26
Bjarnastaoir	IBJA	Iceland	63.9460N	21.3030W	57	From 1989-08-15
Bjornoya	BJO1	Norway	74.5020N	18.9990E	18	From 1994-08-25
Bjornoya	BJO	Norway	74.5055N	19.1883E	18	
Bjuv	BJUU	Sweden	56.0739N	13.0237E	100	From 2008-08-25
Black Birch	BBW	South Island,New Zealand	41.7108S	173.8785E	250	From 1991-11-27 to 2004-03-22
Blackbirch Station	BSWZ	North Island,New Zealand	41.7149S	173.8758E	277	From 2003-12-09
Blackbird State Forest	BBD	Delaware,U.S.A.	39.3461N	75.6767W	18	From 1977-01-01 to 1999-01-31
Blackburn lab bldg12	OTBB	Ontario,Canada	45.4068N	75.5548W	76	From 2002-05-23
Black Butte	BLK	Montana,U.S.A.	48.8547N	115.1180W	969	From 1971-02-07 to 1976-10-04
Black Butte	BBN	New Mexico,U.S.A.	34.4078N	106.7460W	1524	From 1970-02-15 to 1971-12-18
Black Butte	YPBB	Idaho,U.S.A.	45.0288N	111.1168W	2085	
Black Canyon	BLCC	California,U.S.A.	34.2436N	118.6731W	607	
Black Canyon North	BCHM	California,U.S.A.	36.0543N	117.7280W	1265	From 1975-09-26
Black Crater	BKCOR	Oregon,U.S.A.	44.2994N	121.6960W	1208	
Black Diamond Mines Park, Antioch	BDM	California,U.S.A.	37.9540N	121.8655W	219	From 1998-11-12
Blackfoot	J15A	Idaho,U.S.A.	43.3998N	112.4334W	1497	From 2007-08-09 to 2009-05-09
Black Forest	BFO	Baden-Wurttemberg,Germany	48.3301N	8.3296E	589	From 1974-10-01
Black Fox Mountain	LBFM	California,U.S.A.	41.3470N	121.8900W	1982	
Black Gap, Marathon	628A	Texas,U.S.A.	29.4862N	102.8885W	655	From 2008-03-05 to 2010-02-10
Black Gap (USAF), Gila Bend	114A	Arizona,U.S.A.	32.7513N	112.8830W	279	From 2008-02-05 to 2009-02-18
Black Hill	EBH	Scotland,United Kingdom	56.2481N	3.5081W	375	From 1969-01-01
Black Hill	BLHA	Alaska,U.S.A.	55.7029N	162.0672W	378	From 1996-07-01
Black Hills	RSSD	South Dakota,U.S.A.	44.1212N	104.0359W	2090	From 1981-08-10
Black Hills	S12K	Alaska,U.S.A.	55.7030N	162.0610W	411	From 2016-06-11
Black Hill Station	BHHZ	North Island,New Zealand	39.4893S	176.0630E	776	From 2008-06-12
Black Mountain	BMUT	Utah,U.S.A.	41.9582N	111.2340W	2243	From 1979-10-01
Black Mountain	BLKC	California,U.S.A.	35.0880N	117.2190W	648	
Black Mountain	JBMM	California,U.S.A.	37.3182N	122.1530W	820	From 1975-02-24
Black Mountain	BMTN	Nevada,U.S.A.	37.2913N	116.6380W	2073	From 1983-04-15 to 2002-10-10
Black Mountain	BMT*	Nevada,U.S.A.	37.2836N	116.5336W	1920	
Black Mountain	BLDC	California,U.S.A.	35.5338N	120.9067W	457	
Black Mountain	BMRR	California,U.S.A.	40.1087N	120.2910W	2146	
Black Mountain, Craig	N21A	Colorado,U.S.A.	40.7600N	107.5196W	2235	From 2007-11-09 to 2009-10-23
Blacknest	BKN	England,United Kingdom	51.3642N	1.1869W	107	From 1973-02-22
Black Oak	GBOM	California,U.S.A.	38.8243N	122.8430W	879	From 1975-06-20
Black Peak	BPK	Arizona,U.S.A.	34.1247N	114.2100W	504	From 1974-04-01 to 1976-11-09
Black Pine Ridge	BPMT	Montana,U.S.A.	46.4375N	113.4463W	2408	
Black Rapids	BLR	Alaska,U.S.A.	63.5017N	145.8450W	809	From 1965-03-01 to 1999-08-25
Black Ridge (BLM), Bullfrog Basin	S17A	Utah,U.S.A.	37.6354N	110.8018W	1373	From 2007-07-28 to 2009-03-13
Black River	BRJ	Jamaica	18.0333N	77.8683W	8	From 1961-11-05 to 1964-03-07
Black Rk. Forest	BRNY	New York,U.S.A.	41.4140N	74.0119W	282	
Blackrock camp	BLAC	California,U.S.A.	34.0695N	116.3890W	1243	
Black Rock Valley	BRVW	Washington,U.S.A.	46.4853N	119.9912W	920	
Blacksburg	BLA	Virginia,U.S.A.	37.2113N	80.4205W	634	From 1962-09-04
Blacksburg	BAV	Virginia,U.S.A.	37.2221N	80.4250W	622	From 1973-09-01 to 2004-09-30
Blackshear	356A	Georgia,U.S.A.	31.3247N	82.1275W	36	From 2012-03-15
Black Stump Fm	BKZ	North Island,New Zealand	39.1657S	176.4926E	706	From 2004-02-11
Blacktail Mountain	BLMT	Montana,U.S.A.	48.0108N	114.3633W	2052	
Blackwell	BLOK	Oklahoma,U.S.A.	36.7606N	97.2150W	301	From 2015-05-27
Blakely	352A	Georgia,U.S.A.	31.4793N	84.9274W	101	From 2012-03-07
Blanch	U57A	North Carolina,U.S.A.	36.4319N	79.3364W	178	From 2013-04-21
Blanchard Fire Station	MBFM	California,U.S.A.	37.6785N	120.3630W	309	From 1976-11-03
Blanco	534A	Texas,U.S.A.	30.0284N	98.4753W	461	From 2009-11-06 to 2011-10-05
Blanding	BX-	Utah,U.S.A.	37.5633N	109.4347W	1707	From 1963-08-08 to 1964-03-18
Blanding	BX-UT	Utah,U.S.A.	37.5633N	109.4347W	1707	From 1963-08-08 to 1964-03-18
Blanes	BLAN	Spain	41.6839N	2.7942E	20	From 2017-05-11
Blasjo	BLS5	Norway	59.4229N	6.4560E	540	From 1994-06-20
Blasjo	BLS3	Norway	59.4250N	6.5150E	1130	From 1986-10-01 to 1991-01-10
Blasjo	BLS2	Norway	59.2940N	6.9270E	1190	From 1986-10-01 to 1991-01-10
Blasjo	BLS	Norway	59.3900N	6.4490E	1170	From 1985-01-01 to 2003-04-05
Blasjo	BLS1	Norway	59.3910N	6.8270E	1160	From 1986-10-01 to 1991-01-10
Blauer Lane San Jose	C072	California,U.S.A.	37.2858N	121.7559W	160	From 2013-05-01
Bleialf	BLI	Rheinland-Pfalz,Germany	50.2323N	6.2877E	468	
Blekinge	BLEU	Sweden	56.3040N	15.8145E	90	From 2002-11-05
Blewett	BW-WA	Washington,U.S.A.	47.3803N	120.6533W	884	
Blewett	BW-	Washington,U.S.A.	47.3803N	120.6533W	884	
Blindstream Canyon, Hanna	BSUT	Utah,U.S.A.	40.5365N	110.7612W	3211	From 2012-09-19
Blockade Glacier	BKG	Alaska,U.S.A.	61.0702N	152.2630W	1009	From 1991-07-01
Bloemfontein	BLF	Orange Free State,South Africa	29.1089S	26.1881E	1420	
Bloom-Carroll	BCSO	Ohio,U.S.A.	39.7940N	82.6980W	256	
Bloomer Hill	OBHM	California,U.S.A.	39.6517N	121.4620W	914	From 1975-09-06
Bloomfield	BY-IO	Iowa,U.S.A.	40.7692N	92.4525W	259	
Bloomington	BLO	Indiana,U.S.A.	39.1719N	86.5222W	246	From 1961-12-01
Bloomsburg	BB-PA	Pennsylvania,U.S.A.	41.1822N	76.5519W	305	From 1962-08-16 to 1962-10-05
Bloomsburg	BB-	Pennsylvania,U.S.A.	41.1822N	76.5519W	305	From 1962-08-16 to 1962-10-05
Blossom Village, Little Cayman	LCCY	Cayman Islands	19.6676N	80.0821W	5	From 2011-01-01
Blount Mountain	Y49A	Alabama,U.S.A.	33.8577N	86.4119W	362	From 2011-12-18
Blowhard Mountain	BHU	Utah,U.S.A.	37.5925N	112.8570W	3230	
Blowhole	BHT	Tennessee,U.S.A.	35.8470N	84.9450W	826	From 1981-10-23
Blow River	E29M	Yukon Territories,Canada	68.3889N	137.8969W	324	From 2017-08-19
Blue Bank Bayou	BBTN	Tennessee,U.S.A.	36.3870N	89.4570W	88	
Blue Creek Ohio	BCOH	Ohio	41.5026N	83.7920W	197	From 2019-06-11 to 2500-06-10
Bluehnbach	A033A	Austria	47.4797N	13.1260E	827	From 2015-08-27
Blue Jay Drive Morgan Hill	C030	California,U.S.A.	37.1549N	121.6099W	268	From 2009-10-07
Blue Knob State Park, Imler	PABK	Pennsylvania,U.S.A.	40.2665N	78.5837W	482	From 2016-09-13
Blue Knob State Park, Imler	O56A	Pennsylvania,U.S.A.	40.2683N	78.5663W	684	From 2010-11-05
Blue Mesa, Paradox Valley	PV22	Colorado,U.S.A.	38.5352N	108.7873W	1925	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Blue Mountain	BMT	Alaska,U.S.A.	58.0467N	156.3370W	550	From 1975-01-01
Blue Mountain	BLM	Alaska,U.S.A.	58.0467N	156.3370W	550	From 1975-01-01
Blue Mountain Lake	BML	New York,U.S.A.	43.8680N	74.4020W	305	From 1971-09-01 to 1973-10-31
Blue Mountains Array	BMO	Oregon,U.S.A.	44.8525N	117.3060W	1154	From 1962-01-01
Blue Mountain, Wilseyville, CA USA	BLUE	California	38.3657N	120.3458W	1810	
Bluenose Ridge	KBNM	California,U.S.A.	39.8927N	123.1940W	1363	From 1979-11-09
Blue Ridge	BLU	California,U.S.A.	34.4053N	117.7250W	1880	From 1975-02-01 to 2008-02-22
Blue Ridge	Z36A	Texas,U.S.A.	33.2702N	96.4344W	187	From 2010-06-06 to 2012-01-21
Blue Ridge	BRDG	Arizona,U.S.A.	34.6260N	111.1760W	2057	From 1991-01-01
Blue Ridge Broadcasting Company	BRBC	North Carolina,U.S.A.	35.7390N	82.2860W	1976	From 1982-05-26 to 2008-02-13
Blue River	WGB	British Columbia,Canada	52.1023N	119.4650W	2012	From 1984-08-08 to 1986-07-31
Blue River	BLBC	British Columbia,Canada	52.0434N	119.2411W	2362	
Bluff City North Station	KAN05	Kansas,U.S.A.	37.1086N	97.8723W	348	From 2014-08-22
Bluff Creek, North Oklahoma City	BCOK	Oklahoma,U.S.A.	35.6567N	97.6093W	302	From 2013-02-09
Blum	BLMY	New York,U.S.A.	41.3297N	73.9550W	134	
Blu Mesa, N27	NCR27	Colorado	38.4876N	107.3153W	2441	
Blyn Mountain	BLN	Washington,U.S.A.	48.0074N	122.9720W	585	From 1970-07-02
Blythe	Y12C	California,U.S.A.	33.7503N	114.5238W	196	From 2004-10-08
Blythe	Z55A	Georgia,U.S.A.	33.2211N	82.1359W	100	From 2012-04-06
Blythe	BLYC	California,U.S.A.	33.7503N	114.5238W	196	
Blytheville	V44A	Arkansas,U.S.A.	35.8282N	89.8954W	78	From 2011-05-14 to 2013-03-11
Boac	BOAC	Luzon,Philippines	13.4590N	121.8440E	29	
Boaco	BOA	Nicaragua	12.4818N	85.7178W	550	From 1975-01-01
Boaco	BOA1	Nicaragua	12.4872N	85.6945W	734	
BOACO BROADBAND	BOAB	Nicaragua	12.4491N	85.6663W	89	From 1995-02-02
Boa Vista	BOAV	Brazil	2.3953N	60.5225W	114	From 2013-11-11
Boa Vista, Curral Velho	CVBV5	Cape Verde Islands	16.0028N	22.7777W	33	From 2007-12-01 to 2008-09-01
Boa Vista, Fundo de Figueiras	CVBV6	Cape Verde Islands	16.1640N	22.7128W	34	From 2007-12-01 to 2008-09-01
Boa Vista, Rabil	CVBV2	Cape Verde Islands	16.1376N	22.8745W	30	From 2007-12-01 to 2008-09-01
Boa Vista, Sal Rei	CVBV1	Cape Verde Islands	16.1739N	22.9142W	5	From 2007-12-01 to 2008-09-01
Boa Vista, Sao Jorge	CVBV4	Cape Verde Islands	16.0818N	22.8148W	72	From 2007-12-01 to 2008-09-01
Bobandana	BOBN	Democratic Republic of the Congo	1.7063S	29.0132E	1529	
Bobbio (Coli)	BOB	Italy	44.7669N	9.4478E	910	
Bobcaygeon	H53A	Ontario,Canada	44.5736N	78.5832W	292	From 2013-07-21
Bbikon, Wasserreservoir Allmend, AG	BOBI	Switzerland	47.5463N	8.3399E	410	From 2013-12-09
Bob Jauregui Ranch	ABJM	California,U.S.A.	39.1653N	121.1910W	457	From 1976-07-27
Bob, Littlefork	B35A	Minnesota,U.S.A.	48.3603N	93.7261W	358	From 2010-10-19 to 2012-08-07
Bob Quinn	T35M	British Columbia,Canada	56.9811N	130.2496W	609	From 2016-05-08
Bob Quinn Lake	BQB	British Columbia,Canada	57.0227N	130.2400W	1310	From 1981-10-09
Bobrof	AK4	Alaska,U.S.A.	51.8230N	177.4450W	8	
Boca de Chavon	ROBI	Dominican Republic	18.4100N	68.8400W	0	
BOCANA DE BUA	BOCA	Ecuador	0.0003N	79.6034W	143	From 2016-04-21
Bocatoma Ro Colorado	MT08	Metropolitana	33.4450S	70.0170W	2085	From 2016-08-30
Boca Toma-Volc¡n Cotopaxi	TOMA	Ecuador	0.4984S	78.4346W	3300	From 2015-07-21
Bocca Nuova	EBCN	Sicily,Italy	37.7521N	14.9858E	3135	From 2009-10-09
Bocca Seriola	CCE3	Italy	43.5170N	12.3548E	750	From 2011-02-08
Bochum	BOC	Nordrhein-Westfalen,Germany	51.4894N	7.2139E	64	From 1907-01-01
Bochum	NE36	Nordrhein-Westfalen,Germany	51.4419N	7.2703E	85	
Bochum--University	BUG	Nordrhein-Westfalen,Germany	51.4406N	7.2693E	85	From 1971-10-01
Bockfliess	A002B	Austria	48.3629N	16.5942E	187	From 2016-06-14
Bocsa	PKS6	Hungary	46.5998N	19.5645E	120	
Bodaibo	BOD	Irkutskaya Oblast',Russia	57.8189N	114.0039E	245	
Bodega del ICE en Pailas	GPS3	Costa Rica	10.7547N	85.3650W	639	From 2000-01-01
Bodenheim	BODE	Rheinland-Pfalz	49.9111N	8.2972E	-115	From 2016-04-30
Bodie	BODR	California,U.S.A.	38.1628N	118.9702W	2195	
Bodon	BDN	Buryatiya,Russia	53.7000N	110.1100E	490	From 1969-01-01 to 1984-12-31
Bodoquena, MS	BDQN	Brazil	20.4487S	56.7497W	180	From 2016-08-10
Bodos	BOSR	Romania	46.0749N	25.6611E	595	From 2017-11-15
Bodrum	BODT	Turkey	37.0621N	27.3104E	379	From 2005-02-14
Bodrum-Mula	BODA	Turkey	37.0348N	27.4303E	10	From 2019-09-12
Boeing Everett	BEVT	Washington,U.S.A.	47.9200N	122.2700W	170	
Boeing Fire Protection	BSFP	Washington,U.S.A.	47.5200N	122.2983W	5	From 2004-07-07
Boeun	KSBON	Republic of Korea	36.5000N	127.8000E	332	From 2005-11-02
Bogazkoy	BGKT	Turkey	41.1810N	28.7730E	80	From 2002-01-01
Bogdanovka	BGD	Georgia,Georgia	41.2645N	43.5986E	1978	From 1954-01-01
Bogesund	BOGU	Sweden	59.4051N	18.1627E	18	From 2019-11-28
Boggs Farm, Caney	T36A	Kansas,U.S.A.	37.0605N	95.8789W	243	From 2010-05-07 to 2012-03-02
Boggs Mountain	GBGM	California,U.S.A.	38.8140N	122.6790W	1125	From 1975-06-26
Boggy Peak	BPA	Antigua,Antigua and Barbuda	17.0460N	61.8570W	396	From 1980-07-09
Bogijuda	BOGI	Tajikistan	38.7130N	68.1572E	8010	From 1991-02-03
Bogi-Zagon	BZN	Tajikistan	38.4800N	69.8200E		
Bogner Ranch, Nez Perce	E11A	Idaho,U.S.A.	46.3559N	116.2092W	831	From 2006-11-13 to 2008-06-06
Bogoin	BGCA	Central African Republic	5.1761N	18.4242E	576	
Bogong Mts	BOV	Victoria,Australia	36.8078S	147.2270E	700	From 1963-01-01 to 1972-08-09
Bogota	BOG	Colombia	4.6231N	74.0650W	2658	From 1941-09-01
Bogota	BOCO	Colombia	4.5869N	74.0433W	3137	From 1977-12-01
Bogota, SGC	CBOG1	Colombia	4.6410N	74.0800W	2584	From 1995-11-28
Bohocortia	BOH	Aquitaine,France	43.1027N	1.0117W	1150	
Bohunice	BHC	Czech Republic	48.5786N	17.5289E	0	
Boiestown	BOIN	New Brunswick,Canada	46.4628N	66.4067W	86	From 2007-06-26
Boilermakers Shaker, Crown Point	M45A	Indiana,U.S.A.	41.3881N	87.2504W	216	From 2011-10-23
Boina - YZ	BOVE	Ethiopia	12.6570N	40.5211E	757	
Boina - YZ	BOOE	Ethiopia	12.6752N	40.5230E	735	
Boina - YZ	BOSE	Ethiopia	12.6420N	40.5243E	725	
Boischatel	BCLQ	Quebec,Canada	46.9262N	71.1728W	180	From 2007-11-02
Bois d'Agland	BGF	Auvergne,France	46.5578N	2.8464E	390	
Boise	BSE	Idaho,U.S.A.	43.6500N	116.0920W		From 1975-05-01
Boisen	BOI	New Britain,Papua New Guinea	4.1878S	152.1990E	18	
Bois Riant Capesterre	BCG	Guadeloupe,France	16.0850N	61.6197W	442	
Boistfort Mountain	BMW	Washington,U.S.A.	46.4750N	123.2280W	870	
Bojanci	BOJS	Slovenia	45.5040N	15.2520E	256	From 2004-03-01
Bojnord	BJNR	Iran	37.4833N	57.3846E	1097	From 2002-05-22
Bojnord	BJND	Iran	37.2665N	57.3972E	2209	From 2019-10-10
Bojnu@18rd	BJRD	Iran,Iran	37.7000N	57.4080E	1337	
Bojnurd	BJMA	Iran	37.9000N	55.9500E	0	
Bokaro	BOKR	Bihar,India	23.7948N	85.8859E	282	
Bokaro	BOK	Bihar,India	23.7948N	85.8858E	282	
Bokissa	VBOKI	Vanuatu	15.5924S	167.2430E	4	
BOKO	BOKO	Assam,India	25.9700N	91.2426E	50	From 2012-01-01
Bokod	BOKD	Hungary	47.4889N	18.2517E	150	
Bokosso	BKO	Cameroon	4.4181N	9.1411E	380	From 1985-02-13
Bolckow	O36A	Missouri,U.S.A.	40.1315N	94.9645W	306	From 2010-05-18 to 2012-03-14
Blcske	A272A	Hungary	46.7444N	18.9654E	170	From 2016-01-13
Bolero	BOLE	Malawi	10.9796S	33.7426E	1109	From 2014-07-14 to 2015-11-04
Bolinao	BOLP	Luzon,Philippines	16.3810N	119.9130E	71	
Bolinger Road	LT16	California,U.S.A.	37.8162N	122.0620W	610	From 1969-08-23
Bolinger Road	BGC	California,U.S.A.	37.8162N	122.0620W	610	From 1969-08-23
Bolinger Road	CBRM	California,U.S.A.	37.8162N	122.0620W	610	From 1969-08-23
Bolivar	S39A	Missouri,U.S.A.	37.6910N	93.3226W	331	From 2010-12-12 to 2012-10-26
Bolivia	Y60A	North Carolina,U.S.A.	34.0046N	78.2163W	7	From 2013-02-27
Boljevac	BOLS	Serbia	43.8289N	21.9532E	267	From 2002-06-21
Bollwiller	STBO	France	47.8609N	7.2622E	240	From 2006-06-08
Bologna	BOL	Italy	44.4867N	11.3290E	80	
Bolognola (MC)	T1256	Italy	43.0063N	13.2260E	1535	From 2016-08-30 to 2017-08-31
Bol'shaya Rechka	BLRR	Krasnoyarskiy Kray,Russia	53.0383N	92.4282E	558	From 2005-02-23
Bolshoi Rechka	BRHS	Buryatiya,Russia	52.0000N	106.4000E	459	
Bolshoye Goloustnoye	BGT	Irkutskaya Oblast',Russia	52.0453N	105.4070E	466	From 2011-06-14
BOLU	KIBS	Turkey	40.4197N	31.8524E	1199	From 2013-01-31
Bolu-G¶lynk-Susuz K¶y	SUSU	Turkey	40.3396N	30.8438E	929	From 2017-03-15
Bolu-Merkez-Musluklar	BOLU	Turkey	40.7792N	31.6766E	907	From 2017-03-17
Bolvadin	BOLV	Turkey	38.7183N	30.9502E	1303	From 2007-05-30 to 2014-09-29
Bolvadin-AFYON	BLVD	Turkey	38.7946N	31.0950E	1220	From 2019-07-09
Bolzano	BOSI	Italy	46.4952N	11.3185E	242	From 2006-12-13
Bolzano	BLZ	Italy	46.5049N	11.3468E	280	From 1971-05-06
Bolzano	BLZN	Italy	46.4917N	11.3920E	384	From 2019-02-19
Bolzano, San Nicolo, Ultimo	A290A	Italy	46.5068N	10.9028E	1729	From 2015-11-12
Bombay	BOM	Maharashtra,India	18.8958N	72.8127E	6	
Bombay Beach	5271	California,U.S.A.	33.3526N	115.7332W	-96	From 1996-06-05 to 2014-03-27
Bombay Beach	BOMB	California,U.S.A.	33.3646N	115.7296W	-54	From 2009-02-10

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Bomdila	BMI	Arunachal Pradesh,India	27.2675N	92.4230E	2700	From 1983-07-01
Bomnak	BMKS	Amurskaya Oblast',Russia	54.7000N	128.9000E	310	
Bomnak	BMKR	Amurskaya Oblast',Russia	54.7110N	128.8420E	342	
Bom Sucesso	BSCB	Minas Gerais,Brazil	20.9977S	44.7737W	870	
Bomura	BHOK	Shiga,Japan	35.2447N	135.8728E	380	
Bonanza	DCA1	Alberta,Canada	56.0317N	119.9319W	485	
Bonanza Creek NPS repeater	N19K	Alaska	60.8132N	154.4838W	1144	From 2015-06-13
Bonanza King	LBKM	California,U.S.A.	41.0842N	122.6650W	1341	
Bonao	BON1	Dominican Republic	18.9423N	70.3955W	181	From 2011-06-15
Bondeno (FE)	T0805	Italy	44.9187N	11.3226E	4	From 2012-05-21 to 2012-08-27
Bonds Corner	BON	California,U.S.A.	32.6945N	115.2690W	14	From 1973-04-16 to 2008-02-22
Bone	J16A	Idaho,U.S.A.	43.2741N	111.6119W	2004	From 2007-07-25 to 2009-05-10
Bone	BNSI	Sulawesi,Indonesia	4.4005S	120.1065E	0	From 2007-12-01
BONG	BONG	Costa Rica	9.7535N	85.2078W	26	From 1999-12-07 to 2000-06-17
Bongao, Tawi-Tawi	BTTP	Mindanao	5.0240N	119.7660E	65	From 2016-11-16
BONGHWA	KSCHY	Republic of Korea	36.9378N	128.9167E	321	From 2000-11-22
Bonilla	BNAB	British Columbia,Canada	53.4933N	130.6370W	16	From 1987-12-04
Bonnechere River Park	BRPO	Ontario,Canada	45.6506N	77.5061W	170	
Bonneval	BOF	Rhone-Alpes,France	45.3540N	7.0300E	1800	From 1981-07-01
Bonnie Rock 4	BR4	Western Australia	30.6481S	118.3267E	320	From 2017-01-01
Bonny Gate	BNJ	Jamaica	18.3210N	76.9510W	485	
Bonnylands	HBL2	England,United Kingdom	52.0508N	3.0384W	400	From 1991-01-01
Book Cliffs East	BCE	Utah,U.S.A.	39.6131N	110.4084W	2666	
Boomskoye uschel'e	BOOM	Kyrgyzstan	42.4900N	75.9400E	1737	From 2010-06-05
Boondooma	BOON	Queensland,Australia	26.0951S	151.4521E	370	
Boondooma Dam	BDMQ	Queensland,Australia	26.1123S	151.4440E	320	
Booneville	X46A	Mississippi,U.S.A.	34.5564N	88.5844W	150	From 2011-12-08
Boonville, CA	BONV	California	38.9875N	123.3484W	278	From 2018-09-01
Boorowa	BWA	New South Wales,Australia	34.4250S	148.4180E	656	From 1971-01-01
Boothbay	I64A	Maine,U.S.A.	43.9197N	69.6347W	17	From 2013-09-26
Boqe	ST04	Xizang Zizhiqu,China	30.9593N	90.1925E	4736	From 1998-07-16 to 1999-06-01
Boqueron	BOQS	El Salvador	13.7350N	89.2800W	1830	From 1991-12-01
Boqueroncito, PIR3	CPIR3	Colombia	4.9073N	75.2848W	4385	
Boquillas Ranch, Navajo N., Peach Springs	V14A	Arizona,U.S.A.	35.6339N	113.1053W	1731	From 2007-03-09 to 2008-11-07
Boraas	BORU	Sweden	57.6345N	12.7697E	175	From 2006-08-04
Boracho Peak	MT1	Texas,U.S.A.	30.9289N	104.3910W	1714	From 1977-06-01 to 2003-01-28
Borbona	RM20	Italy	42.5249N	13.1264E	804	From 2009-04-09 to 2009-08-26
Borcka	DBOC	Turkey	41.3453N	41.6666E	615	From 2007-09-24
Borcka	BCA	Turkey	41.4450N	41.6223E	500	
Bordano	BOO	Italy	46.3200N	13.1000E	444	From 1977-05-09
Bordano	BORI	Italy	46.3200N	13.1000E	444	From 1977-05-09
Bordesti	BRD	Romania	45.5536N	27.0288E	356	
Bordj Sabath	CBST	Algeria,Algeria	36.4070N	7.0990E	916	
Borealis Mine area, Hawthorne	TVH2	Nevada,U.S.A.	38.3782N	118.7564W	2174	
Borgarnes	BORG	Iceland	64.7474N	21.3268W	110	From 1994-07-31
Borgo	BSL	Italy	43.9802N	11.4342E		From 1977-11-01
Borgo	BL1	Italy	43.9802N	11.4342E		From 1977-11-01
Borgo San Lorenzo	BOSL	Italy	43.9400N	11.3800E	374	From 2007-02-02
Borgo Val di Taro	BVT	Italy	44.4864N	9.7750E	0	From 1975-09-01 to 1991-12-31
Borinquen Arriba	GB1A	Costa Rica	10.8185N	85.3983W	881	From 2000-01-01
Borland Lodge	BRZ	South Island,New Zealand	45.7776S	167.5388E	190	From 1979-08-22 to 1990-08-02
Bormio	BRMO	Italy	46.4761N	10.3731E	1380	
Bormio	BORM	Italy	46.4694N	10.3764E	1235	From 2006-11-29
Bornholm Skovbrynet	BSD	Denmark	55.1139N	14.9147E	88	From 1990-03-01
Bornova	KDAG	Turkey	38.4028N	27.2667E	997	From 1999-07-01
Borolday	BRLS	Kazakhstan	43.0300N	69.8360E	590	From 1989-10-30
Borongan	BESP	Samar,Philippines	11.6010N	125.4380E	48	
Borongxiang, Xizang Zizhiqu	XIXI	Xizang Zizhiqu,China	28.7408N	85.6903E	4660	From 2002-07-15 to 2002-11-01
Borovoye	BORK	Kazakhstan	53.0461N	70.3184E	290	From 2019-09-15
Borovoye	BRVK	Kazakhstan	53.0581N	70.2828E	315	From 1994-09-01
Borovoye Array Beam Reference Point	BVAR	Kazakhstan	53.0249N	70.3885E	420	From 2002-07-06
Borovoye Array Site A0	BVA0	Kazakhstan	53.0249N	70.3885E	420	From 2002-07-06
Borovoye Array Site A1	BVA1	Kazakhstan	53.0249N	70.3886E	420	From 2002-07-06
Borovoye Array Site A2	BVA2	Kazakhstan	53.0189N	70.3912E	434	From 2002-07-06
Borovoye Array Site A3	BVA3	Kazakhstan	53.0268N	70.3785E	437	From 2002-07-06
Borovoye Array Site A4	BVA4	Kazakhstan	53.0290N	70.3963E	405	From 2002-07-06
Borovoye Array Site B5	BVB5	Kazakhstan	53.0247N	70.3662E	387	From 2002-07-06
Borovoye Array Site B6	BVB6	Kazakhstan	53.0361N	70.3762E	401	From 2002-07-06
Borovoye Array Site B7	BVB7	Kazakhstan	53.0379N	70.3950E	435	From 2002-07-06
Borovoye Array Site B8	BVB8	Kazakhstan	53.0216N	70.4108E	419	From 2002-07-06
Borovoye Array Site B9	BVB9	Kazakhstan	53.0123N	70.3857E	512	From 2002-07-06
Borrego Mountain	BRGC	California,U.S.A.	33.1712N	116.1740W	219	
Borrego Springs	BORC	California,U.S.A.	33.2682N	116.4172W	252	
Borroloola	BOXOZ	Northern Territory	16.0546S	136.3021E	42	From 2018-07-16
Bors	BORR	Romania	47.0902N	21.7856E	190	From 2015-11-23
Borschemich	BD11	Nordrhein-Westfalen,Germany	51.0823N	6.4302E	100	From 2001-01-01 to 2011-11-01
Borseda	BORS	Italy	44.2450N	9.8258E	510	From 1991-01-01 to 1999-08-25
Boryeong	PORA	Republic of Korea	36.3278N	126.5575E	0	From 2012-10-05
Boryeong	KSPOR	Republic of Korea	36.3212N	126.5557E	15	From 2000-02-18
Borzhomi	BOR	Georgia,Georgia	41.8333N	43.3833E	794	
Bosco di Aci (S. Maria La Stella)	EBDA	Sicily	37.6335N	15.1223E	349	From 2016-05-26
Bosco Santo Pietro	HBSP	Sicily,Italy	37.1270N	14.4920E	254	From 2012-05-22
Boseong-gun	BOSB	Republic of Korea	34.7634N	127.2121E	-52	From 2012-10-18
Boshof	BOSA	South Africa	28.6137S	25.2560E	1200	From 1993-01-01
BOSHOF INFRASONIC ARRAY REFERENCE POINT	I47ZA	Orange Free State,South Africa	28.6211S	25.2352E	1306	From 2005-11-08
Bosilegrad	BOSS	Serbia	42.4961N	22.4800E	446	From 2010-08-04
Boslevi	BGLV	Georgia,Georgia	42.1740N	43.1828E	1046	From 2007-10-19
Bosley Butte	KBO	Oregon,U.S.A.	42.2123N	124.2260W	1008	
Boso 1	BSO1	Honshu,Japan	34.6535N	140.9780E	-4011	From 1988-01-01
Boso 2	BSO2	Honshu,Japan	34.7513N	140.7545E	-2090	From 1988-01-01
Boso 3	BSO3	Honshu,Japan	34.8017N	140.5103E	-1898	From 1988-01-01
Boso 4	BSO4	Honshu,Japan	34.9900N	140.3380E	-658	From 1988-01-01
Bosque Alegre	BOS	Cordoba,Argentina	31.5983S	64.5458W	1200	
Bosque de Chapultepec	MHVM	Mexico D.F.	19.4078N	99.2090W	2329	
Bossay-sur-Claise - 37028 - Indre-et-Loire - France	BSCF	Centre	46.8044N	0.9823E	116	From 2019-10-22
Bostanabad	IBST	Iran	37.7000N	46.8920E	2100	From 1995-08-01
Boston College	BCX	Massachusetts,U.S.A.	42.3350N	71.1705W	61	
Botanikuri	BTNK	Georgia,Georgia	41.6832N	44.7988E	570	From 2011-12-27
Bothatogo	UBOT	Botswana	20.5400S	22.7400E	956	From 2001-01-01 to 2100-12-31
Bothel	BBO1	Scotland,United Kingdom	54.7367N	3.2464W	209	From 1992-01-01
Botiquin	BOTV	Venezuela	10.4037N	67.2167W	2375	From 2004-04-04
Botkins High School	BHSO	Ohio,U.S.A.	40.4690N	84.1790W	304	
Botlikh	BTLR	Dagestan,Russia	42.6639N	46.2222E	870	
Botosani	BTS2	Romania	47.7518N	26.6484E	162	From 2015-09-22
Botticino	BOTT	Italy	45.5494N	10.3095E	200	From 2009-10-27
Botticino Mattina	BOTM	Italy	45.5413N	10.3211E	156	From 2014-11-14
Botticino - San Gallo	SGAL	Italy	45.5636N	10.3106E	460	From 2019-07-01
Bottle Rock Power	BRP	California,U.S.A.	38.8549N	122.7971W	905	
Bou Andas	CBND	Algeria	36.5275N	5.1255E	1575	
Bouclans	BOUC	Franche Comte	47.2469N	6.2561E	458	From 2014-11-20
Bouganvilia	BVG	Guatemala	14.1080N	90.9397W	45	From 1978-06-01 to 1987-11-09
Bougara	EBGR	Algeria	35.5644N	1.9356E	904	
Bougnies	BBOU	Belgium	50.3888N	3.9447E	80	From 1985-03-29
Bougous	CBOGS	Algeria	36.7070N	8.4160E	207	
Bouguenais - site IFSTTAR	BOUF	Pays de la Loire	47.0963N	1.3829W	13	From 2016-01-15
Bouhanifia	ODJA	Algeria	35.3300N	0.1500W	645	From 2004-04-01
Boujaaouane	BOJ	Morocco	32.0310N	9.0680W	300	
Boulbra	BBA	Morocco	31.9120N	9.4710W		
Boulder	BDW	Wyoming,U.S.A.	42.7762N	109.5680W	2190	From 1977-06-20 to 1986-07-01
Boulder	BO1	Colorado,U.S.A.	40.0128N	105.2520W	1669	
Boulder	BOU	Colorado,U.S.A.	40.0083N	105.2710W	1654	From 1953-12-01 to 1968-12-31
Boulder	BDC	Colorado,U.S.A.	40.0050N	105.1581W	1625	
Boulder Array	PD06	Wyoming,U.S.A.	42.7667N	109.5580W	2224	From 1986-07-18
Boulder Array Site 6	BW06	Wyoming,U.S.A.	42.7667N	109.5583W	2224	From 1986-07-18
Boulder City	BCN	Nevada,U.S.A.	35.9808N	114.8340W	776	From 1938-02-01 to 1975-06-30
Boulder Dam	BDA	Arizona,U.S.A.	36.0154N	114.7370W	237	From 1941-04-01 to 1961-12-31
Boulder Hill, Kettleman City	V05C	California,U.S.A.	35.8667N	119.9028W	118	From 2005-04-11 to 2007-12-07
Boul. des Capuccins MTQ1	CAPQ	Quebec	46.8225N	71.2193W	3	From 2017-03-01
Boumerdes	ABMS	Algeria	36.7500N	3.4800E	97	From 2004-05-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Boundary Peak	BONR	Nevada,U.S.A.	37.9552N	118.3020W	2582	From 1974-07-01
Boundary Peak	BNPN	Nevada,U.S.A.	37.9885N	118.3020W	2438	
Bountiful Peak	BPU	Utah,U.S.A.	40.9542N	111.8170W	2652	From 1974-10-01 to 1975-03-31
Bourheim	BD12	Nordrhein-Westfalen,Germany	50.9020N	6.3220E	-77	From 2004-08-01 to 2008-12-04
Bourrignon	BOURR	Switzerland	47.3938N	7.2302E	860	From 1998-09-01
Bouzov	A087A	Czech Republic	49.7049N	16.8893E	430	From 2015-09-19
Bovan	BOVS	Serbia	43.6351N	21.7057E	223	From 2009-11-03
Bowen Hard, QLD	BW1H	Queensland	20.0045S	148.2361E	63	From 2012-08-01
Bowen Island	BIB	British Columbia,Canada	49.4060N	123.3060W	37	From 1983-01-20
Bowen Ranch, Douglas	K23A	Wyoming,U.S.A.	42.7546N	105.6251W	1612	From 2008-11-17 to 2010-09-09
Bowen Soft Rock	BW2S	Queensland,Australia	19.9984S	148.2230E	23	From 2012-08-03
Bowe Ranch, Endee	W27A	New Mexico,U.S.A.	35.0637N	103.0627W	1233	From 2008-05-09 to 2010-03-17
Bowland	LBO	England,United Kingdom	53.9789N	2.5728W	320	From 1989-01-01
Bowling Green	BGO	Ohio,U.S.A.	41.3781N	83.6592W	212	From 1963-09-01
Bowling Green	T48A	Kentucky,U.S.A.	37.1094N	86.3943W	218	From 2011-11-19
Bowling Green	BGKY	Kentucky,U.S.A.	37.0055N	86.5232W	240	
Bowling Green Firelands Ohio	BGOH	Ohio	41.3965N	82.5987W	194	From 2019-09-25 to 2500-12-31
Bowling Green State University	BGSO	Ohio,U.S.A.	41.3812N	83.6404W	208	
Bowman	F25A	South Dakota,U.S.A.	45.9256N	103.4576W	912	From 2009-07-11 to 2011-06-23
Bowman	BOW	South Carolina,U.S.A.	33.3736N	80.6431W	35	From 1977-10-23
Bowman	Z57A	South Carolina,U.S.A.	33.2970N	80.7039W	81	From 2013-02-20
Bowman Hall	BHKY	Kentucky,U.S.A.	38.0350N	84.5050W	306	
Box Canyon	BOX	Nevada,U.S.A.	39.6153N	118.1763W	1283	
Box Lake	BOXN	Northwest Territories,Canada	63.8521N	109.7169W	436	
Boyabat	BOYT	Turkey	41.4206N	34.9036E	660	From 1994-05-01
Boyabat	BYBT	Turkey	41.4685N	34.7667E	85	From 1996-10-10
Boyalica	BOY	Turkey	40.4867N	29.5573E	30	From 1994-01-01
Boyer Ranch	BYX	Nevada,U.S.A.	39.9542N	117.9178W	1128	
Bozab	IBZA	Iran	34.4696N	47.8605E	2343	From 2004-01-01
Bozburun-Marmaris	BBRN	Turkey	36.6796N	28.0587E	194	From 2013-01-16 to 2013-12-01
Bozcaada	BOZC	Turkey	39.8419N	26.0528E	202	From 2003-10-16
Bozcaada-Canakkale	BOZD	Turkey	39.8314N	26.0705E	39	From 2011-03-27
Bozeman	BZE	Montana,U.S.A.	45.8060N	110.9330W	244	From 1974-01-01 to 1977-05-31
Bozeman	BZM	Montana,U.S.A.	45.6669N	111.0450W	1490	From 1931-05-01 to 1968-03-31
Bozeman Pass	BZMT	Montana,U.S.A.	45.6482N	110.7967W	1905	
Bozeman (W)	BOZ	Montana,U.S.A.	45.5970N	111.6297W	1592	From 1999-11-13
Bozkurt	BZK	Turkey	41.9600N	34.0035E	70	From 1992-07-01
Bozok Univ. Merkez-YOZGAT	YOZG	Turkey	39.7802N	34.7959E	1370	From 2017-12-19
Bozova	ATAB	Turkey	37.4696N	38.2949E	551	From 2005-06-24
BOZOYUK	AUBOZ	Turkey	39.9106N	30.0325E	825	From 2010-01-27
Bozvelijsko	BOZV	Bulgaria	43.1044N	27.4785E	34	From 2006-06-09
Bozyazi-Mersin	BOZY	Turkey	36.1068N	32.9763E	9	From 2011-09-02
Bozzolo	BOZZ	Italy	45.1071N	10.4820E	26	From 2019-06-11
Bozzolo (MN)	A312A	Italy	45.1074N	10.4817E	29	From 2015-12-30
Braaten, Kindred	E32A	North Dakota,U.S.A.	46.5927N	97.0701W	297	From 2010-08-10 to 2012-06-08
Brabster	OBR	Scotland,United Kingdom	58.6142N	3.1623W	89	From 1995-09-21
Bracie Corner	BRCN	New York,U.S.A.	44.4275N	75.5830W	83	
Bradely Ranch, Valier	B15A	Montana,U.S.A.	48.3129N	112.5619W	1222	From 2007-09-11 to 2009-08-14
Bradley Lake	BRLK	Alaska,U.S.A.	59.7642N	150.8860W	631	From 1980-11-28
Bradley Lake NE	BRNE	Alaska,U.S.A.	59.9108N	150.6520W	1219	From 1980-10-12 to 1984-06-29
Bradley Lake NW	BRNW	Alaska,U.S.A.	59.8375N	151.1690W	582	From 1980-10-03 to 1984-06-29
Bradley Lake SE	BRSE	Alaska,U.S.A.	59.7417N	150.7414W	541	From 1980-10-10
Bradley Lake SW	BRSW	Alaska,U.S.A.	59.6410N	151.0450W	951	From 1980-10-12 to 1984-06-29
Brady	BRDY	Texas,U.S.A.	31.2859N	98.9994W	460	From 2017-02-15
Braeburn, Yukon	N31M	Yukon Territory	61.4862N	135.7796W	716	From 2015-10-14
Braganca	PBRG	Portugal	41.8048N	6.7413W	691	From 1995-06-01
Braggadocio	BRGM	Missouri,U.S.A.	36.2047N	89.8585W	78	
Braida Crags	BCZ	South Island,New Zealand	46.0051S	167.8398E	120	From 1990-05-28 to 1993-07-17
Braila	BRL2	Romania	45.2738N	27.9771E	23	From 2015-10-22
Brajici-Budva	BUM	Montenegro	42.3007N	18.8936E	822	From 2003-06-02
Brakfontein	BRAK	South Africa	31.7810S	22.8940E	900	From 2016-08-15
Branch Mountain	BCH	California,U.S.A.	35.1850N	120.0840W	1140	From 1976-08-01
Brandywine Creek State Park	BWD	Delaware,U.S.A.	39.7994N	75.5767W	62	From 1985-02-01
Branistea	BRAG	Romania	45.4425N	27.8331E	63	From 2013-10-23
Brankovina	VVOS	Serbia	44.3518N	19.9047E	0	
Brasilia	BAE	Distrito Federal,Brazil	15.8411S	47.8200W	1200	From 1968-01-03 to 1970-12-21
Brasilia	BDFB	Distrito Federal,Brazil	15.6412S	48.0141W	1095	From 1993-06-01
Brasilia Array	BCS*	Distrito Federal,Brazil	15.7660S	48.0388W	1255	From 1966-11-17 to 1970-12-21
Brasilia Array Centre Point	BAO	Distrito Federal,Brazil	15.6349S	47.9915W	1211	
Brasilia Array Site E1	BAE1	Distrito Federal,Brazil	15.6426S	47.9689W	1170	
Brasilia Array Site E2	BAE2	Distrito Federal,Brazil	15.6501S	47.9469W	1110	
Brasilia Array Site E3	BAE3	Distrito Federal,Brazil	15.6569S	47.9261W	1150	
Brasilia Array Site E4	BAE4	Distrito Federal,Brazil	15.6642S	47.9031W	1258	
Brasilia Array Site E5	BAE5	Distrito Federal,Brazil	15.6725S	47.8809W	1260	
Brasilia Array Site EE	BAEE	Distrito Federal,Brazil	15.7386S	47.6200W	1200	From 1971-01-01
Brasilia Array Site S1	BAS1	Distrito Federal,Brazil	15.6561S	47.9997W	1145	
Brasilia Array Site S2	BAS2	Distrito Federal,Brazil	15.6779S	48.0070W	1060	
Brasilia Array Site S3	BAS3	Distrito Federal,Brazil	15.6986S	48.0146W	1120	
Brasilia Array Site S4	BAS4	Distrito Federal,Brazil	15.7191S	48.0223W	1140	
Brasilia Array Site S5	BAS5	Distrito Federal,Brazil	15.7420S	48.0304W	1150	
Brasilia Array Site SE	BASE	Distrito Federal,Brazil	15.9572S	48.0706W	1200	From 1971-01-01
Brasilia Array Site W1	BAW1	Distrito Federal,Brazil	15.6282S	48.0129W	1150	
Brasilia Array Site W2	BAW2	Distrito Federal,Brazil	15.6214S	48.0186W	1200	
Brasilia Array Site W3	BAW3	Distrito Federal,Brazil	15.6126S	48.0575W	1265	
Brasilia Array Site W4	BAW4	Distrito Federal,Brazil	15.6053S	48.0794W	1200	From 1971-01-01
Brasilia Array Site WE	BAWE	Distrito Federal,Brazil	15.5909S	48.1139W	1340	From 1971-01-01
BRASILIA INFRASONIC ARRAY REFERENCE POINT	I09BR	Distrito Federal,Brazil	15.6380S	48.0164W	1185	From 2001-06-20
Brasilia (W)	BDF	Distrito Federal,Brazil	15.6638S	47.9033W	1260	From 1970-12-22
Brasnorte	PAR2	Mato Grosso	12.0982S	58.3334W	374	From 2015-05-23
Brasopolis	BRAS	Minas Gerais,Brazil	22.5353S	45.5854W	1850	From 1986-03-12
Brasov	ZOBR	Romania	45.6131N	25.6347E	634	From 2019-04-23
Brasov	BRS4	Romania	45.6575N	25.5967E	561	From 2015-09-10
Brasstown Bald	BBG	Georgia,U.S.A.	34.8740N	83.8110W	1355	From 1982-01-27 to 2008-02-13
Bratislava	ZST	Slovakia	48.1961N	17.1025E	250	From 1976-07-01
Bratislava	BRA	Slovakia	48.1683N	17.1050E	270	
Bratogost	BRY	Montenegro	42.9016N	18.5389E	1407	From 1983-12-25
Braunhartsberg	BHBD	Baden-Wurttemberg,Germany	48.2466N	9.0030E	920	From 1982-01-01
Brava	BRBZ	Cape Verde Islands	14.8365N	24.7190W	766	
Brava	BRCV	Cape Verde Islands	14.8787N	24.6982W	552	
Brava	BRBL	Cape Verde Islands	14.8567N	24.6842W	559	
Brava--Cachaco	BCCH	Cape Verde Islands	14.8322N	24.6936W	660	
Brava, Campo Baixo	CVBR2	Cape Verde Islands	14.8493N	24.7215W	605	From 2007-12-01 to 2008-09-01
Brava, Lem	CVBR1	Cape Verde Islands	14.8804N	24.6979W	455	From 2007-12-01 to 2008-09-01
Brawley, BR2	BR2MX	California	32.9790N	115.5490W	-32	
Breckenridge Mountain	WBMM	California,U.S.A.	35.4510N	118.5830W	2292	
Bredaryd	BYD	Sweden	57.0590N	13.1630E	152	From 1980-01-01 to 1991-12-31
Bredtraesk	BREU	Sweden	63.8908N	18.5777E	100	From 2000-04-28
Breisach am Rhein	BREI	Baden-Wurttemberg	48.0329N	7.5868E	192	From 2015-09-01
Breislack	LKG	Guadeloupe,France	16.0447N	61.6583W	1380	
Bremgarten	BREM	Baden-Wurttemberg,Germany	47.9102N	7.6268E	210	From 2001-01-24
Bremner River	BMRM	Alaska,U.S.A.	60.9677N	144.6051W	842	From 1979-09-12
Brena Baja,La Palma	CBRE	Canary Islands	28.6274N	17.7914W	575	From 2018-04-03
Breno	BNO	Italy	45.9484N	10.2904E	441	From 2013-01-16
Brentwood	TBW	England,United Kingdom	51.6549N	0.2911E	82	From 1989-01-01
Bressanone	BRES	Italy	46.6987N	11.7341E	2454	From 2002-05-01
Brest	NE54	Belarus	52.5680N	23.8610E	200	
Brest	BST	Bretagne,France	48.3020N	4.0627W	288	From 1983-03-01
Bretten	BRET	Baden-Wurttemberg,Germany	49.0122N	8.6881E	268	From 2011-10-26
Brettingsstaoir	IBRE	Iceland	66.1230N	17.9100W	41	From 2001-01-25
Brewton	BO-	Alabama,U.S.A.	31.1697N	86.8597W	76	From 1965-12-02 to 1965-12-13
Brewton	BRAL	Alabama,U.S.A.	31.1687N	87.0506W	61	From 2006-07-14
Brewton	BO-AL	Alabama,U.S.A.	31.1697N	86.8597W	76	From 1965-12-02 to 1965-12-13
Brezje pri Sen	KBZS	Slovenia	45.9400N	15.4390E	217	
Brgy, Tapao	SIPP	Philippines	17.9230N	120.4580E	56	From 2006-10-01
Briangon	OG15	Provence-Cote d'Azur,France	44.9113N	6.6487E	1985	From 1993-01-20
Briano	GRDB	Italy	45.7095N	10.6661E	997	From 2011-06-01
Bribri	BRIBI	Costa Rica,Costa Rica	9.6240N	82.8500W	43	
Briceland Vineyards, California	BRIC	California	40.1123N	123.8964W	191	From 2018-09-01
Bricherasio	BHB	Italy	44.8417N	7.2633E	530	From 1990-05-17 to 2009-09-30

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Brid	BRIU	Carpathian Mountains	48.3380N	23.0203E	167	From 2005-05-26
Bridge Bay	YPBR	Wyoming,U.S.A.	44.5367N	110.4395W	2383	
Bridge Creek, Tuttle	W34A	Oklahoma,U.S.A.	35.2352N	97.7733W	428	From 2009-10-26 to 2011-09-06
Bridge North Anchor Chamber MTQ3	BNAQ	Quebec	46.8803N	71.1296W	1	From 2017-03-01
Bridgeport	BPT	Connecticut,U.S.A.	41.2221N	73.2422W	83	From 1972-01-07 to 1977-06-10
Bridge Port	J48A	Michigan,U.S.A.	43.2986N	83.7849W	195	From 2012-10-13
Bridger	G20A	Montana,U.S.A.	45.2202N	108.2141W	1431	From 2008-08-14 to 2010-08-12
Bridgewater	E64A	Maine,U.S.A.	46.4184N	67.8285W	190	From 2013-09-18
Brienza	BRIE	Italy	40.4966N	15.6153E	980	
Brienz/Brinzauls, GR	BRIZ1	Switzerland	46.6689N	9.5949E	1154	From 2016-10-04
Brienz, Instabilitaet Caltgeras, GR	BRIZ2	Switzerland	46.6787N	9.5927E	1757	From 2018-05-30
Brig	BRI	Switzerland	46.3153N	7.9956E	708	
Brigada del Sol, Mexicali	BDSO	Baja California	32.6257N	115.4140W	8	
Brigand Hill	TBH	Trinidad and Tobago	10.4840N	61.0670W	199	From 1978-04-11
Brigerbad	BIBA	Switzerland	46.3025N	7.9304E	660	From 2009-10-01
Briggsdale	BRIGG	Colorado	40.5813N	104.3191W	1480	From 2016-09-15
Brigham City	BCUT	Utah,U.S.A.	41.5123N	111.9822W	1676	
Brigham Young University	BYU	Utah,U.S.A.	40.2531N	111.6491W	1420	
Bright Common Fremont	C015	California,U.S.A.	37.5594N	121.9937W	23	From 2009-06-23
Brig, Spital	SBRS	Switzerland	46.3170N	7.9814E	671	From 2012-08-27
Brijuni	BRJN	Croatia	44.9057N	13.7503E	26	From 2009-11-04
Brimhall	V20A	New Mexico,U.S.A.	35.7992N	108.4662W	1889	From 2008-02-16 to 2009-11-22
Brimstone Hill	BSK	St Kitts,Saint Kitts and Nevis	17.3470N	62.8400W	125	From 1980-07-09
Brindisi	BRDS	Italy	40.4302N	17.9412E	17	From 2019-11-05
Brinkman Farms, Chinook	B19A	Montana,U.S.A.	48.4551N	108.9443W	803	From 2008-09-03 to 2010-07-18
Brinnon	C04A	Washington,U.S.A.	47.7172N	122.9718W	53	From 2005-10-22 to 2008-02-18
Brione	BIE	Trentino,Italy	45.8835N	10.8738E	353	From 1981-06-15 to 1995-08-31
Briones	BRIB	California,U.S.A.	37.9189N	122.1518W	219	
Brisbane	SBRN	California,U.S.A.	37.6856N	122.4113W	-157	
Brisbane	BRS	Queensland,Australia	27.3917S	152.7750E	525	From 1963-01-01
Brisbane	BRSB	Australia	27.4781S	153.0311E	15	From 1937-09-01 to 1963-12-31
Brisbane 2 Soft	BN2S	Queensland,Australia	27.3293S	153.0477E	8	From 2009-01-01
Brisbane hardrock	BR1	Queensland,Australia	27.4306S	153.0237E	100	
Brisbane Hard Rock	BN1H	Queensland,Australia	27.4306S	153.0240E	71	From 2012-04-22
Brisbane softrock	BR2	Queensland,Australia	27.4314S	153.0693E	100	
Brisbane St Lucia campus	BRSA	Queensland	27.3002S	153.0053E	24	From 1951-09-25
BRISIGHELLA	BRIS	Italy	44.1499N	11.5107E	260	From 2010-05-26
Brite Ranch	MT4	Texas,U.S.A.	30.2731N	104.5700W	1469	From 1977-06-01 to 2003-01-28
BRN	BRNII	Israel	32.7360N	34.9990E	400	From 1990-01-01 to 1990-12-31
Broad Law	EBL	Scotland,United Kingdom	55.7733N	3.0436W	365	From 1969-01-01
Broad Pass	BDP	Alaska,U.S.A.	63.2312N	149.2590W	709	From 1971-08-01 to 1976-09-30
Brockman Farm, Red Cloud	O32A	Nebraska,U.S.A.	40.2610N	98.2764W	579	From 2009-09-14 to 2011-08-19
Brocks Farm	BSCP	California,U.S.A.	32.7248N	115.0440W	43	
Brockton	B23A	Montana,U.S.A.	48.4643N	104.9909W	716	From 2008-09-17 to 2010-07-15
Brognaturo	ME04	Italy	38.5928N	16.3576E	907	From 2007-10-21 to 2008-06-29
Brojen	IBRJ	Iran	31.9080N	51.2600E	2354	From 1985-01-01
Broken Hill	BHA	Zambia	14.4467S	28.4683E	1206	
Bromley	BRUT	Utah,U.S.A.	40.6230N	111.8790W	1337	From 1990-08-22
Bronaber	WBR	Wales,United Kingdom	52.8560N	3.8941W	340	From 1985-01-01
Bronson	340A	Texas,U.S.A.	31.4167N	93.8896W	57	From 2010-02-19 to 2011-12-10
Bronte	231A	Texas,U.S.A.	31.9353N	100.3163W	574	From 2009-03-01 to 2011-02-10
Brookfield	BCT	Connecticut,U.S.A.	41.4933N	73.3839W	69	From 1975-06-10 to 1999-01-31
Brookside Elementary School	BRKS	Washington,U.S.A.	47.7555N	122.2884W	100	
Brooks Peninsula	BPEB	British Columbia,Canada	50.1566N	127.7719W	737	From 2018-06-22
Brooks Peninsula	BPBC	British Columbia,Canada	50.1572N	127.7710W	732	From 1991-10-01
Brookwood Res.	CBWM	California,U.S.A.	37.9242N	122.1070W	221	From 1971-04-28
Brookwood Reservoir	BKC	California,U.S.A.	37.9242N	122.1070W	221	From 1971-04-28
Broome Senior High School	AUBRM	Western Australia	17.9565S	122.2321E	20	From 2019-07-04
Brophy Road	ABRM	California,U.S.A.	39.1352N	121.4870W	24	From 1977-02-14
Brorfelde Observatory, Denmark	BFOD	Denmark	55.6200N	11.6700E	77	From 2011-12-14
Browne	BWN	Alaska,U.S.A.	64.1717N	149.4650W	365	From 1989-09-19
Brownlee Dam	BDID	Idaho,U.S.A.	44.7983N	116.8850W	1400	From 1990-07-01
Brown Mountain	BRTN	Tennessee,U.S.A.	36.3567N	82.8678W	630	From 1986-06-05
Brown Peak	BRPK	Alaska,U.S.A.	54.6455N	163.7408W	393	
Brown Place, Jackson	J17A	Wyoming,U.S.A.	43.3629N	110.7118W	1975	From 2007-10-25 to 2009-05-16
Bruarjokull	IBJK	Iceland	64.4690N	16.7525W	1572	From 2014-08-20
Bruarjokull	IBRU	Iceland	64.8290N	16.0880W	746	From 2004-12-29
Bruce Peninsula	BRCO	Ontario,Canada	44.2437N	81.4423W	273	From 2009-04-19
Bruguera	CBRU	Spain	42.2855N	2.1801E	1327	
Bruguera	BRUG	Spain	42.2830N	2.1860E	1300	
Brunell Drive Oakland	C009	California,U.S.A.	37.8049N	122.1841W	263	From 2009-05-13 to 2012-07-02
Brunell Drive Oakland No2	C064	California,U.S.A.	37.8051N	122.1846W	250	From 2012-07-02
Brunna	FIBU	Sweden	59.9013N	17.3518E	52	
Brunswick	BRWK	Victoria,Australia	37.7608S	144.9493E	9	From 2008-09-20
Brunts Corner	BTCC	California,U.S.A.	33.0121N	115.2199W	39	
Bruntsheil	BBH	Scotland,United Kingdom	55.1333N	2.9299W	216	
Brushton-Moira	BMNY	New York	44.8399N	74.5065W	115	From 2011-07-29
Bruslee	BSLQ	Queensland,Australia	20.8670S	146.5640E	185	From 1984-03-02
Bryant	B05A	Washington,U.S.A.	48.2641N	122.0960W	154	From 2005-11-30 to 2008-02-20
Bryant College	BRYW	Connecticut,U.S.A.	41.9178N	71.5388W	380	
Bryant Ranch, Stanton	229A	Texas,U.S.A.	31.9671N	101.8107W	804	From 2009-02-09 to 2010-12-09
Bryn Du	SBD1	Wales,United Kingdom	52.9055N	3.2585W	489	From 1980-01-01
Bryson	PBYM	California,U.S.A.	35.8150N	121.0820W	335	
Bsor	BSO	Israel	31.2670N	34.4850E	140	From 1983-01-01 to 1991-12-31
BTLPN	BTLPN	Botswana	18.7842S	25.1960E	1035	
Bua	MBU	Fiji	16.9728S	178.7217E	549	From 1981-11-01
Buan	KSPUA	Republic of Korea	35.7226N	126.7178E	11	From 2000-02-13
Buaraba 3	WBAQ	Queensland,Australia	27.3527S	152.3082E		From 1984-07-06
Bucak	BCK	Turkey	37.4608N	30.5890E	860	From 1973-05-18
Bucaramanga	BCR	Colombia	7.0194N	73.1764W	750	From 1972-10-01 to 1980-12-31
Bucaramanga	BMG	Colombia	7.0717N	73.0753W	1000	
Buchan	BUV	Victoria,Australia	37.4983S	148.1680E	100	From 1964-01-01 to 1966-12-31
Buchan	BUCN	Victoria,Australia	37.5287S	148.0976E	250	
Buchanan	BIPS	New York,U.S.A.	41.2678N	73.9473W	24	
Buchanan	D30A	North Dakota,U.S.A.	47.1082N	98.7576W	465	From 2009-08-07 to 2011-06-25
Bucharest	BUC1	Romania	44.3479N	26.0281E	77	From 1977-04-01
Bucharest	BUC2	Romania	44.3479N	26.0281E	77	From 1977-04-01
Bucharest	BUC	Romania	44.4136N	26.0967E	82	
Bucharest-Childs Park	BAPR	Romania	44.4059N	26.1190E	103	From 2003-11-06
Bucharest-Geological Museum	BGMR	Romania	44.4553N	26.0851E	123	From 1997-11-13
Bucharest-Geotec Company	BTMR	Romania	44.4370N	26.1067E	140	From 2001-01-10
Bucharest-INCERC-borehole	BBIR	Romania	44.4411N	26.1618E	-88	From 2002-10-29 to 2008-11-28
Bucharest-INCERC-Test Bldg	RBAR	Romania	44.4409N	26.1624E	115	From 2004-05-10 to 2008-11-28
Bucharest-Old Court	BVCR	Romania	44.4301N	26.1017E	112	From 2001-01-17
Bucharest-Scientist's House	BSTR	Romania	44.4457N	26.0984E	125	From 2000-10-31
Bucharest-Stefan cel Mare Str.	BLHR	Romania	44.4525N	26.1122E	149	From 2001-05-08
Buchberg	BUB	Switzerland	47.7490N	8.6030E	740	From 1971-12-01 to 1980-11-10
Buchs, Altendorf	SBUA2	Switzerland	47.1591N	9.4710E	464	From 2011-05-01
Buchserberg Malbun	SBUB	Switzerland	47.1459N	9.4342E	1371	From 2010-08-25
Buchs, Hochschule	SBUH	Switzerland	47.1726N	9.4740E	448	From 2012-09-03
Buckhannon	BZ-	West Virginia,U.S.A.	38.7983N	80.3494W	457	
Buckhannon	BZ-WV	West Virginia,U.S.A.	38.7983N	80.3494W	457	
Buckhannon	Q55A	West Virginia,U.S.A.	38.9952N	80.0812W	657	From 2012-12-17
Buckhorn Ranch, CA USA	BUCR	California	37.6727N	120.1504W	1038	From 2018-01-01
Buckingham	BU-QB	Quebec,Canada	45.7675N	75.5403W	183	From 1962-07-24 to 1962-10-05
Buckingham	BU-	Quebec,Canada	45.7675N	75.5403W	183	From 1962-07-24 to 1962-10-05
Buck Lake	BUKO	Ontario,Canada	45.4423N	79.3989W	317	From 2009-05-19
Buckleboo	BBOO	South Australia,Australia	32.8102S	136.0588E	321	From 1995-12-08
Bucklebury West	BUW	England,United Kingdom	51.4094N	1.2244W	125	
Buck Mountain	BUCK	Oregon,U.S.A.	44.1973N	122.9862W	964	
Buckrabanyule	BUCM	Victoria,Australia	36.2384S	143.4981E	200	
Bucksport	BPM	Maine,U.S.A.	44.6317N	68.7893W	80	
Bu, CM20	ACM20	Cameroon	6.2250N	10.0540E	595	
Buco	VBU	Luzon,Philippines	14.0870N	120.9870E		
Bucovina Array	BURAR	Romania	47.6148N	25.2168E	1150	
Bucovina Ar. Site	BUR02	Romania	47.6187N	25.2209E	1142	
Bucovina Ar. Site	BUR01	Romania	47.6147N	25.2167E	1149	
Bucovina Ar. Site	BUR03	Romania	47.6085N	25.2178E	1202	
Bucovina Ar. Site	BUR08	Romania	47.6440N	25.2002E	1214	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Bucovina Ar. Site	BUR07	Romania	47.6426N	25.2324E	1230	
Bucovina Ar. Site	BUR06	Romania	47.6169N	25.2444E	1211	
Bucovina Ar. Site	BUR05	Romania	47.6326N	25.2175E	1182	
Bucovina Ar. Site	BUR04	Romania	47.6182N	25.2122E	1160	
Bucovina Ar. Site	BUR09	Romania	47.6164N	25.1902E	1253	
Bucures@17ti--IRSA	BUCF	Romania	44.5018N	26.1416E	83	
Bucuresti	PGRO2	Romania	44.4436N	26.0558E	75	From 2015-10-13
Bucuresti	MTR2	Romania	44.3689N	26.1436E	75	From 2015-08-18
Bucuresti	ASM1	Romania	44.4702N	26.0673E	88	From 2015-09-07
BUCURESTI	SGEB	Romania	44.3812N	26.1369E	80	From 2008-10-29
Bucuresti-Nicolae Titulescu	DTIR	Romania	44.4527N	26.0717E	91	From 2008-11-20
Budapest	BUD	Hungary	47.4836N	19.0239E	196	
Budderoo	BUDM	New South Wales,Australia	34.6763S	150.6707E	604	
Budock Water	CBW1	England,United Kingdom	50.1482N	5.1144W	94	From 1981-01-01
Budoia	BDO	D'Entrecasteaux Islands,Papua New Guinea	9.6789S	150.8490E	1	From 1969-07-23 to 1969-07-28
Budva	BDV	Montenegro	42.2834N	18.8279E	385	From 1983-12-25 to 2003-06-02
BUENA FE, CENTRO DE SALUD	BUFE	Ecuador	0.9055S	79.4959W	100	From 2016-04-19
Buenavista	BUE	Veracruz,Mexico	19.4380N	96.5590W	200	
Buena Vista	BUS	Costa Rica	9.5553N	83.7583W	3487	
Buena Vista	BVA	Guatemala	14.6667N	90.6373W	2262	From 1973-03-01
Buena Vista	BUEV	Costa Rica	10.7982N	85.4070W	807	From 2000-01-01
Buenavista del Norte, Tenerife	CBOL	Canary Islands	28.3144N	16.8306W	1161	From 2016-07-30
Buenos Aires	BUAI	Costa Rica	10.8770N	85.3320W	392	
Buenos Aires	BUAY	Trinidad and Tobago	10.1072N	61.6862W		
Buenos Aires	BURE	Costa Rica,Costa Rica	9.1730N	83.3380W	387	
Buenos Aires	BAA	Buenos Aires,Argentina	34.5917S	58.4833W	25	
Buenos Aires	EDBA	Costa Rica	9.1630N	83.2750W	401	
Buenos Aires, BARC	CBARC	Costa Rica	9.1660N	83.3345W	378	
Buenos Aires, Puntarenas	BAIR	Costa Rica	9.0678N	83.3309W	378	From 2010-08-28
Buergeleck	RTBE	Bayern	47.7451N	12.8241E	1162	From 2007-05-08
Buerstadt	WBBU	Hessen	49.6229N	8.4938E	87	From 2017-02-16
Buffalo	BUF	New York,U.S.A.	42.9255N	78.8528W	195	From 1912-01-01
Buffalo Canyon	BFC	Nevada,U.S.A.	38.8940N	119.6080W	1734	From 1978-01-01
Buffalo-Larkin	BFF	New York,U.S.A.	42.8475N	78.6442W	230	From 1951-03-01 to 1999-08-25
Buffalo Meadows, Empire	N06A	Nevada,U.S.A.	40.7484N	119.8346W	1341	From 2006-07-12 to 2008-04-14
Buffelsbos	BUFB	Cape Province,South Africa	34.1510S	24.7420E	109	From 2008-09-24
Buffelsfontein	BFS	Transvaal,South Africa	26.8983S	26.7850E	1310	From 1983-01-01 to 2000-09-01
Buffelsfontein	BFSD	Transvaal,South Africa	26.8650S	26.7860E	1374	From 2008-04-07
Buffer Zone	CBZL	California,U.S.A.	37.6917N	121.7160W	175	From 1989-02-07
Buga	BUGC	Colombia	3.8933N	76.2569W	1200	
Bugetsay	BUGS	Kazakhstan	50.1200N	59.1000E	280	From 1974-07-13
Buhlerhohe	BUH	Baden-Wurttemberg,Germany	48.6755N	8.2284E	750	From 1967-02-01
Buia	BUA	Italy	46.2183N	13.1233E	320	From 1977-05-06
Buia	BUII	Italy	46.2183N	13.1233E	320	From 1977-05-06
Building 67, Lawrence Berkeley Lab, Berkeley, CA	BL67	California,U.S.A.	37.8749N	122.2543W	736	From 2011-04-15 to 3000-12-31
Building 88, Lawrence Berkeley Lab, Berkeley, CA	BL88	California,U.S.A.	37.8772N	122.2543W	602	From 2011-01-25 to 3000-12-31
Buin Zahra, Qazvin	QBNZ	Iran	35.6370N	50.1947E	2092	From 2012-03-01
Bujalance, Cordoba	E022	Spain	37.9010N	4.3819W	292	From 2007-09-25 to 2009-06-24
Bujumbura/Burundi	BUJA	Burundi	3.3961S	29.3959E	1113	From 2013-04-29
Buka	BUKA	Bougainville,Papua New Guinea	5.3958S	154.6809E	55	From 2013-05-28
Bukene	MKRE	Tanzania,United Republic of Tanzania	4.2818S	32.9037E	1174	
Bukhara	BUXR	Uzbekistan	39.7399N	64.3461E	218	
Bukit Katil	BMSMM	Peninsular Malaysia	2.2321N	102.2977E	39	
Bukit Timah Dairy	BTDF	Singapore	1.3608N	103.7729E	64	
Bukoba	BKBA	Tanzania,United Republic of Tanzania	1.3643S	31.8118E	1284	
Bulawayo	BUL	Zimbabwe	20.1433S	28.6133E	1341	From 1958-01-31
Bulawayo	BLWY	Zimbabwe	20.1400S	28.6100E	1348	
Bulengo	BULE	Democratic Republic of the Congo	1.6330S	29.1405E	1482	
Bulgan	BLGM	Mongolia	48.7900N	103.5300E	1210	
Bulgheria - Camerota	BULG	Italy	40.0783N	15.3776E	815	From 2006-08-07
Bullas, Murcia	EXBUL	Spain	38.0464N	1.6611W	640	From 2015-01-01
Bulle cole, FR	SBUL	Switzerland	46.6264N	7.0529E	761	From 2018-05-02
Bullhead Mountain	BMTB	British Columbia,Canada	56.0451N	122.1332W	1099	From 2017-09-18
Bullion Camp, Hudson Bay	BULN	Nunavut,Canada	66.3971N	93.1252W	330	From 2006-08-17
Bull Mountain	BMBC	British Columbia,Canada	56.0450N	122.1310W	1100	
Bull Pasture Mountain, McDowell	R56A	Virginia,U.S.A.	38.4071N	79.4031W	902	From 2013-06-22
Bull Run Dam	BULL	Oregon,U.S.A.	45.4461N	122.1547W	222	
Bulochka	BLCS	Kamchatskaya Oblast',Russia	53.1930N	158.7940E	500	
Bulolo	BLLO	Papua New Guinea	7.2020S	146.6200E	700	From 1988-06-10
Bulukumba	BKSI	Sulawesi,Indonesia	5.3219S	120.1224E	0	From 2007-12-01
Bulusan	VBN	Luzon,Philippines	12.7320N	124.0250E		
Buluus	BLSR	Sakha,Russia	61.3600N	129.0300E	105	From 2012-03-27
Bumble Bee	BBUT	Utah,U.S.A.	40.7455N	112.0112W	1291	
Bundeswehrkaserne Erding	A367A	Germany	48.3067N	11.9233E	500	From 2015-12-01
Bungbulang	BBJI	Jawa	7.4626S	107.6500E	615	From 2016-09-06
Bungee Jump	BUNG	Nepal	27.8772N	85.8908E	1191	From 2001-10-13 to 2002-10-23
Bunker Hill	BKHT	Tennessee,U.S.A.	35.5320N	83.9360W	843	From 1983-11-10
Bunkhouse Ranch, Marshall	139A	Texas,U.S.A.	32.6795N	94.3927W	59	From 2010-04-30 to 2012-01-24
Bunnell	658A	Florida,U.S.A.	29.4220N	81.2578W	11	From 2012-02-07
Bunnythorpe	BUN	North Island,New Zealand	40.2850S	175.6302E	60	From 1932-10-01 to 1968-11-12
Buntu Taipa	BUNI	Sulawesi,Indonesia	3.6578S	120.3230E	240	
Bunyan	BNN	Turkey	38.8520N	35.8460E	1350	
Buochs, Nidwalden	SBUS	Switzerland	46.9789N	8.4205E	436	From 2019-05-19
BUONALBERGO	BAL01	Italy	41.2207N	14.9815E	481	From 1998-01-01
Burakin	WA4	Western Australia,Australia	30.6019S	117.2250E	320	From 1986-04-22
BURAR	BUR32	Romania	47.6330N	25.1805E	1328	From 2008-01-11
BURAR	BUR33	Romania	47.6351N	25.2008E	1249	From 2008-01-11
Burdekin Lookout	BURD	Queensland,Australia	20.6232S	147.1218E	291	
Burdett	R31A	Kansas,U.S.A.	38.2888N	99.5271W	667	From 2009-05-17 to 2011-03-19
Burdur, Bucak-Gundogdu	BUCA	Turkey	37.3277N	30.5593E	812	From 2014-12-05
BURDUR-Merkez	BRDR	Turkey	37.6963N	30.0613E	935	From 2011-09-26
Bureau des Mines et l'Energie	NQBME	Haiti	18.5627N	72.2968W	84	
Burgazada	BRGZ	Turkey	40.8810N	29.0642E	86	From 2009-01-01
Burgazada-Istanbul	BRGA	Turkey	40.8846N	29.0650E	67	From 2012-09-12
Burgeitz	BGG	Rheinland-Pfalz,Germany	50.2060N	7.3372E	140	From 1977-05-02
Burj al `Arab	HBRG	Egypt	30.5743N	29.8393E	130	
Burke	BUI	Idaho,U.S.A.	47.4650N	115.7820W	590	
Burlington	BUO	Ontario,Canada	43.3617N	79.7450W	88	From 1979-12-12 to 1980-05-01
Burlington	RD01	Ontario,Canada	43.4109N	79.8356W	142	
Burlington	BUR	Vermont,U.S.A.	44.4800N	73.1967W	100	From 1932-12-01 to 1956-12-31
Burlington	K43A	Wisconsin,U.S.A.	42.7044N	88.3320W	264	From 2011-10-17 to 2013-11-27
Burma	BURJ	Jordan	32.2418N	35.8042E	1045	From 1983-09-01
Burn	BUWY	England,United Kingdom	53.7429N	1.0665W	5	
Burnasheti	BRNG	Georgia	41.6231N	43.8276E	1699	From 2013-11-01
Burnet	434A	Texas,U.S.A.	30.8142N	98.2690W	462	From 2009-11-08 to 2011-10-03
Burnham, DAR6	DARN6	South Island	43.5854S	172.2776E	92	
Burnie High School	AUBRN	Tasmania	41.0405S	145.8684E	10	From 2017-07-06
Burnie High School	BNE	Tasmania,Australia	41.0625S	145.8653E	70	
Burns	BURN	Oregon,U.S.A.	43.5731N	119.1303W	1615	
Burnside Ranch, Stapleton	M29A	Nebraska,U.S.A.	41.4441N	100.6892W	952	From 2009-05-12 to 2011-04-07
Burnt Hill	CCH2	South Island	43.3717S	172.1527E	279	
Burnt Mountain Array Beam Reference Point	BMAR	Alaska,U.S.A.	67.4291N	144.5806W	767	From 2006-09-11
Burnt Mountain Array Site 1	BM01	Alaska,U.S.A.	67.4507N	144.5273W	474	From 2006-09-11
Burnt Mountain Array Site 2	BM02	Alaska,U.S.A.	67.4297N	144.4915W	539	From 2006-09-11
Burnt Mountain Array Site 3	BM3	Alaska,U.S.A.	67.4192N	144.6071W	813	From 1993-07-01
Burnt Mountain Array Site 3	BM03	Alaska,U.S.A.	67.4192N	144.6071W	813	From 2006-09-11
Burnt Mountain Array Site 4	BM04	Alaska,U.S.A.	67.4181N	144.5583W	525	From 2006-09-11
Burnt Mountain Array Site 5	BM05	Alaska,U.S.A.	67.4291N	144.5806W	767	From 2006-09-11
Burnt Peak	BTPC	California,U.S.A.	34.6823N	118.5740W	1702	
Buron	BURB	Republic of Korea	37.2317N	127.7486E	-12	From 2016-05-31
Burrinjuck	BJEM	New South Wales,Australia	34.9505S	148.6460E	400	
Burrinjuck Dam	BJDM	New South Wales,Australia	35.0041S	148.5819E	380	
Bursa	IGD	Turkey	40.2641N	29.2015E	165	From 2007-03-29
Burton	P54A	West Virginia,U.S.A.	39.6020N	80.4796W	473	From 2013-01-27
Burton Butte	BUOR	Oregon,U.S.A.	42.2785N	122.2453W	1797	
Burton Farm, Hornbeak	U44B	Tennessee,U.S.A.	36.3391N	89.3507W	136	From 2011-08-04 to 2013-03-09
Burvik	BURU	Sweden	64.5836N	21.3769E	100	From 2000-09-01
Burwash Landing	BH-YK	Yukon Territory,Canada	61.3706N	139.1414W	861	From 1965-10-16 to 1965-11-15
Burwash Landing	BRWY	Yukon Territory,Canada	61.3704N	139.0338W	802	From 2018-07-12

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Burwash Landing	BH-	Yukon Territory,Canada	61.3706N	139.1414W	861	From 1965-10-16 to 1965-11-15
Busan	KSBUS	Republic of Korea	35.2486N	129.1125E	92	From 2001-12-28
Busan_acc	KSBSA	Republic of Korea	35.1048N	129.0319E	0	From 2007-12-12
Busby, Falmouth	M65A	Massachusetts,U.S.A.	41.5620N	70.6466W	22	From 2012-03-30
Buseok	BUSA	Republic of Korea	36.9792N	128.6610E	326	From 2018-03-09
Bush Stream	BSP	South Island,New Zealand	43.8688S	170.1043E	750	From 1975-06-18 to 1983-11-21
Bushy Park	BSZ	North Island,New Zealand	39.7970S	174.9314E	150	From 1990-06-20 to 2003-11-28
Busso	BSSO	Italy	41.5461N	14.5938E	1010	From 2005-01-17
Buston	BSTN	Uzbekistan	41.8495N	60.9104E	113	
Butaka	BUTK	Rwanda	1.5389S	29.3924E	2557	From 2015-08-17
Butare	AST	Rwanda	2.6167S	29.7333E	1648	
Butare	BTR	Rwanda	2.6167S	29.7333E	1648	
Butcher Ranch, Price	P17A	Utah,U.S.A.	39.4730N	110.7400W	1687	From 2007-07-14 to 2009-05-21
Butedale	BUTB	British Columbia,Canada	53.0630N	128.4633W	1094	From 2014-08-21
Butembo	BTC	Democratic Republic of the Congo	0.1333N	29.2667E	1720	From 1969-01-01
Butler Butte	BBOR	Oregon,U.S.A.	42.8868N	122.6796W	1671	From 1992-06-01
Butler Peak	BTL	California,U.S.A.	34.2572N	117.0030W	2526	
Butner	BUNC	North Carolina,U.S.A.	36.1764N	78.7631W	122	
Buton	BTNI	Sulawesi,Indonesia	5.0000S	122.9170E		
Butte	F15A	Montana,U.S.A.	45.8409N	112.4929W	1995	From 2006-10-27 to 2009-07-10
Butte	BUT	Montana,U.S.A.	46.0133N	112.5630W	1758	
Butte a Klehm	BKM	Vanuatu	17.6683S	168.2430E	270	
Butte Creek Rim	LBCM	California,U.S.A.	40.8368N	121.3499W	1525	
Butterfield Farm, Chambers	L31A	Nebraska,U.S.A.	42.1760N	98.8387W	670	From 2009-09-10 to 2011-08-22
Buttle Lake	BTB	British Columbia,Canada	49.4683N	125.5210W	1640	From 1984-09-01
Butuan	BUTP	Mindanao,Philippines	8.9690N	125.6210E	68	
Butuan	BTN	Mindanao,Philippines	8.9333N	125.5330E	2	From 1914-01-01 to 1943-12-31
Buyeo	BUYB	Republic of Korea	36.2726N	126.9206E	15	From 2015-10-01
BUYEO	KSBUY	Republic of Korea	36.2683N	126.9204E	11	From 2006-11-24
Buynaksk	BUJR	Dagestan,Russia	42.8250N	47.1083E	480	
Buyukada	BUY	Turkey	40.8523N	29.1181E	100	From 2001-03-01
Buyukada	BASD	Turkey	40.8637N	29.1240E	127	From 2012-05-13
Buyukada	BADT	Turkey	40.8523N	29.1175E	175	
Buyukada	KRGZ	Turkey	40.8421N	29.1107E	7	From 2012-05-16
Buyukada-Istanbul	BUYA	Turkey	40.8694N	29.1278E	40	From 2012-09-12
Buyukeceli-Mersin	BECE	Turkey	36.1562N	33.5595E	217	From 2019-07-27
Buyukkizoglu-Ladik(Samsun)	KIZO	Turkey	40.9005N	35.9334E	940	From 2013-12-04
Buzau	BUZ4	Romania	45.1500N	26.8247E	98	From 2015-08-28
Buzau	BUZR	Romania	45.1503N	26.8095E	139	From 2006-07-28
Buzias	BZS	Romania	45.6167N	21.6167E	260	
Buzzard Lagoon Road	JBZM	California,U.S.A.	37.0178N	121.7860W	213	From 1975-10-07
Buzz No.'s Place	BZNA	California,U.S.A.	33.4915N	116.6670W	1301	
Byeollyang	BLLA0	Republic of Korea	34.8646N	127.4638E	24	From 2018-03-09
Byrd	BYR	Marie Byrd Land	80.0167S	119.5170W	1515	From 1957-01-01 to 1969-01-31
Byrd (S.R.I.)	BSA	Marie Byrd Land	80.0055S	119.0430W	1449	
Byrd--Stanford Research Institute	BY3	Marie Byrd Land	79.9456S	119.7180W	1452	
Byrd--Stanford Research Institute	BYA	Marie Byrd Land	80.0096S	119.4810W	1453	
Byrd--Stanford Research Institute	BY1	Marie Byrd Land	80.0055S	119.0430W	1449	
Byrd--Stanford Research Institute	BY2	Marie Byrd Land	80.0773S	119.6830W	1449	
Byron Hot Springs	CBSM	California,U.S.A.	37.7968N	121.6460W	279	
Byron Hot Springs, Alameda County	CBSNC	California,U.S.A.	37.8178N	121.6413W	28	From 1982-04-20
Byron's Ledge	BYL	Hawaii,U.S.A.	19.4120N	155.2600W	1059	
Bystrovka, Novosibirskaya Oblast', Russia	BSTK	Novosibirskaya Oblast',Russia	54.5677N	82.6535E	118	From 2003-04-10
Bytom	BYT	Poland	50.3622N	18.9144E	283	From 1960-01-01 to 1972-01-01
Byxelkrok	BYXU	Sweden	57.2899N	17.0083E	10	From 2002-11-05
Byzanz	BYZN	Turkey	40.8748N	28.9735E	19	From 2006-09-28
C01	C01	Belgium	50.6700N	4.5700E	147	
C02	C02	Belgium	50.6200N	4.9800E	140	
C03	C03	Belgium	50.6800N	5.2700E	117	
C04	C04	Belgium	50.2100N	5.0000E	190	
C05	C05	Belgium	50.4800N	4.9200E	160	
C06	C06	Belgium	50.3500N	5.5700E	190	
C07	C07	Belgium	50.2400N	5.9300E	475	
C08	C08	Belgium	50.3420N	6.3130E	485	
C11	C11	Belgium	50.0400N	5.4000E	550	
C12	C12	Belgium	50.0600N	5.7900E	430	
C13	C13	Belgium	49.9700N	5.2200E	325	
C14	C14	Belgium	49.8300N	5.3800E	400	
C16	C16	Belgium	49.8000N	5.1400E	290	
C18	C18	Belgium	50.6680N	4.5080E	125	
C@19adrg	CADS	Slovenia	46.2280N	13.7369E	700	From 2003-10-01
C@19res@19njevec Ostr	CRES	Slovenia	45.8260N	15.4569E	431	
C20	C20	Luxembourg	49.8660N	5.8580E	400	
C21	C21	Luxembourg	49.8100N	6.3280E	220	
C22	C22	Luxembourg	49.8070N	6.2670E	300	
C23	C23	Luxembourg	49.5970N	6.0040E	395	
CA02	CA02	Romania	47.0110N	27.4310E	414	
CA03	CA03	Romania	46.8470N	27.2880E	229	
CA04	CA04	Romania	46.6940N	27.1250E	239	
CA05	CA05	Romania	46.4860N	26.9970E	187	
CA06	CA06	Romania	46.3150N	26.8880E	421	
CA07	CA07	Romania	46.1980N	26.7430E	276	
CA08	CA08	Romania	45.9520N	26.5720E	632	
CA09	CA09	Romania	45.8910N	26.1880E	596	
CA10	CA10	Romania	45.7600N	26.2710E	1026	
CA11	CA11	Romania	45.3550N	26.0400E	673	
CA12	CA12	Romania	45.1940N	25.8930E	447	
CA13	CA13	Romania	45.0930N	25.8490E	402	
Ca@14lilabad	GLBA	Azerbaijan	39.2420N	48.3930E	147	From 2003-08-01
CA15	CA15	Romania	44.8570N	25.6430E	226	
CA16	CA16	Romania	44.7090N	25.5080E	220	
CA17	CA17	Romania	44.4220N	25.3220E	188	
CA18	CA18	Romania	44.1840N	25.1980E	122	
CA19	CA19	Romania	44.0020N	25.0210E	101	
CA20	CA20	Romania	43.8250N	24.8380E	127	
Cabaceiras do Paraguassu - BA	NBCP	Bahia,Brazil	12.5937S	39.1820W	232	From 2013-02-22
Cabaceiras do Paraguassu - BA	NBCP0	Bahia,Brazil	12.5886S	39.1810W	225	From 2011-09-27 to 2013-02-21
Cabagna-an	VCB	Negros,Philippines	10.3620N	123.1170E	550	
Caballito	CABAL	Costa Rica	10.2361N	85.3434W	42	
Caballo Blanco	CABA	Venezuela	7.8558N	71.5022W	1600	From 1984-01-01
Cabbage Hill	CHOR	Oregon,U.S.A.	45.5908N	118.5790W	1076	
Cabeza del Buey	E038	Spain	38.7328N	5.2358W	599	
Cabezarrubias del Puerto	E040	Spain	38.6093N	4.1967W	750	
Cabia	FCAB	Italy	46.4660N	13.0370E	752	From 2011-12-18
Cabildo	CBCH	Coquimbo,Chile	32.4269S	71.0689W	175	
Cable	O50A	Ohio,U.S.A.	40.1468N	83.6199W	399	From 2012-06-15
Cabo de Gata	ACBG	Spain	36.7687N	2.1938W	64	
Cabonga Reservoir	CBRQ	Quebec,Canada	47.3091N	76.4707W	307	
Cabo Pasado	CABP	Ecuador	0.3865S	80.4287W	125	From 2009-04-08
Cabo Pasado-Manab	CAB1	Ecuador	0.3865S	80.4287W	125	From 2014-08-18
Caborca	CBS	Sonora,Mexico	30.7283N	112.1600W	300	From 1972-07-30
Cabo Rojo, PR	CRPR	Puerto Rico	18.0064N	67.1096W	4	From 2005-03-08
Cabo San Francisco	SFCO	Ecuador	0.6642N	80.0592W	30	From 2017-09-22
Cabo S. Vicente	PSVI	Portugal	37.0232N	8.9967W	70	From 2015-02-27
Cabramurra	CBR	New South Wales,Australia	35.9433S	148.3930E	1537	From 1972-08-09
Cabramurra	CAB	New South Wales,Australia	35.9267S	148.4330E	1610	From 1959-01-01 to 1972-08-09
Cabrayil	DZB	Azerbaijan	39.4100N	47.0300E	680	From 1981-01-01 to 1993-01-01
Cabrera	CADR	Dominican Republic	19.6670N	69.9398W	23	From 2013-12-20
Cabril	PCAB	Portugal	41.7102N	8.0270W	577	
Cabuya	CBL1	Costa Rica,Costa Rica	9.5883N	85.0918W	43	
Cacacuatique	CAHU	El Salvador	13.7707N	88.2110W	1682	
Cacapava Do Sul	CPSB	Rio Grande do Sul,Brazil	30.4055S	53.4395W	227	
Cacerres, MT, Brazil	CCRS	Mato Grosso	17.2882S	57.8993W	95	From 2016-08-06
Cache Creek	CK-BC	British Columbia,Canada	50.8253N	121.3278W	518	From 1962-07-22 to 1962-10-05
Cache Creek	CK-	British Columbia,Canada	50.8253N	121.3278W	518	From 1962-07-22 to 1962-10-05
Cachotin	A083A	Czech Republic	49.6959N	15.6077E	573	From 2015-10-16
Cachucha Ranch	CCN	New Mexico,U.S.A.	36.8333N	106.8330W		
Cack Lake	CLSB	British Columbia,Canada	52.7587N	122.5551W	792	From 2006-09-02
Caconde	CACB	Sao Paulo,Brazil	21.6802S	46.7326W	1381	From 1993-03-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Cacouna	CACQ	Quebec,Canada	47.9481N	69.4996W	6	From 2018-06-14
Cactus City	CTCC	California,U.S.A.	33.6552N	115.9901W	538	
Cactus Flat W	WCFM	California,U.S.A.	36.2083N	117.9040W	1384	From 1975-09-26
Cactus Flat West	CFWM	California,U.S.A.	36.2083N	117.9040W	1384	From 1975-09-26
Cactus Peak	CTS	Nevada,U.S.A.	37.6565N	116.7251W	1877	From 1979-04-24 to 2002-10-10
Cactus Peak W	WCPM	California,U.S.A.	36.0710N	117.8500W	1494	From 1975-09-26
Cactus Peak West	CPTM	California,U.S.A.	36.0710N	117.8500W	1494	From 1975-09-26
Cadarache	CDR	Provence-Cote d'Azur,France	43.6750N	5.7669E	368	From 1962-01-10
Caddo, Fort Cobb	W33A	Oklahoma,U.S.A.	35.1518N	98.4686W	414	From 2009-10-27 to 2011-09-04
Cadiz	EXCA	Spain	36.5230N	6.2850W	57	
Cadoux	CAK	Western Australia	30.7180S	117.1410E	397	
Cadoux	CADX	Western Australia	30.7692S	117.1360E	382	
Cadoux, CAA	CAAA	West Australia	31.7460S	117.1510E	300	
Cadoux-Robbs, CAR	CARMG	Western Australia	30.7810S	117.1380E	377	
Cadoux-Shankland, CAS	CASMG	Western Australia	30.8100S	117.8100E	375	
Cady Mountains	CAD	California,U.S.A.	34.8167N	116.3330W		
Cadyville	H59A	New York,U.S.A.	44.6455N	73.6905W	355	From 2013-08-24
Caete la Real, Malaga	E006	Spain	36.9491N	5.0446W	1039	From 2007-10-09 to 2009-06-23
Cafayete	FSA	Salta,Argentina	26.1112S	65.9792W	1655	
Cagayan de Oro	CGP	Mindanao,Philippines	8.4548N	124.6942E	50	From 1977-10-01
Cagayan Oro	OMP	Mindanao,Philippines	8.4550N	124.6940E	50	From 1977-10-01
Caggiano	CG1H	Italy	40.5667N	15.5000E	820	From 1899-01-01 to 1911-12-31
Caggiano	CGG3	Italy	40.5420N	15.5225E	1067	
Caggiano	CAGG	Italy	40.5573N	15.5114E	1176	From 2017-08-01
Cagli	CAGL	Italy	43.5484N	12.6486E	190	From 2020-01-30
Cagliari Citta	CCI	Sardinia,Italy	39.2208N	9.1172E	50	
Cagliari Serpeddi	CGL	Sardinia,Italy	39.3622N	9.2972E	1050	From 1978-06-01
Cagliari Serpeddi	CA2	Sardinia,Italy	39.3622N	9.2971E	1050	From 1978-06-01
Cagnes-sur-Mer	CAGN	Provence-Cote d'Azur,France	43.6670N	7.1460E	96	From 2003-06-26
Caguas	CAG	Puerto Rico	18.2394N	66.0353W	350	From 1974-08-16 to 1975-07-17
Cahill	CAHL	Alaska,U.S.A.	58.0525N	155.3015W	807	From 1996-08-01
Cahill Ridge	JCHM	California,U.S.A.	37.5170N	122.3760W	323	
Cahto Peak	KCPM	California,U.S.A.	39.6863N	123.5824W	1261	From 1979-11-09
Cahuilla Valley	CAHC	California,U.S.A.	33.5037N	116.6985W	1219	
Cahul	KGL	Moldova	45.9050N	28.2010E	48	
Caia, A0781	M0781	Mozambique	17.7986S	35.4156E	71	
Caicara del Orinoco	CAOV	Venezuela	7.3260N	66.3220W	72	From 2002-10-03
CAICARA DEL ORINOCO	CACV	Venezuela	7.5652N	66.5400W	43	From 2015-05-27
Caicedonia	CAIC	Colombia	4.3202N	75.8143W	1458	
Caico	CAI	Rio Grande do Norte,Brazil	6.5260S	37.1380W	190	From 1983-05-31
Caiguire	CAIV	Venezuela	10.4695N	64.1731W	40	From 1993-04-01
Cairn Curran	CCRM	Victoria,Australia	36.9906S	143.9722E	230	
Cairnmuir Flats	CFC	South Island,New Zealand	45.1826S	169.2923E	576	From 1986-12-09 to 1996-04-28
Cairnmuir Mts	CMCZ	South Island,New Zealand	45.1476S	169.2751E	1039	From 1986-12-09 to 1996-04-29
Cairns Hard Rock	CN1H	Queensland,Australia	16.9110S	145.7110E	134	From 2012-01-01
Cairns-h seis/acc	CNS1	Queensland,Australia	16.9541S	145.7359E	129	
Cairns Soft Rock	CN2S	Queensland,Australia	17.0215S	145.7240E	59	From 2012-01-01
Cairns State High School	AUCSH	Queensland,Australia	16.9200S	145.7700E	17	From 2013-08-11
Cairo Montenotte	CKI	Italy	44.4197N	8.2786E	350	From 1983-10-01 to 2002-02-07
Cajamarca	PP16	Peru	7.1300S	78.5160W	2750	
Cakiroluk	DNZL	Turkey	37.6897N	29.0464E	1716	From 2002-11-06 to 2013-06-01
CAL	CSCAL	Costa Rica	9.6610N	84.6707W	89	From 2002-04-11 to 2002-10-01
Calabasas	CALB	California,U.S.A.	34.1401N	118.6284W	276	From 1994-01-01 to 2002-12-31
Calabogie	G55A	Ontario,Canada	45.2532N	76.7187W	228	From 2012-11-09
Calabor	ECAL	Spain	41.9413N	6.7371W	950	
Calabrutti - M.te Cervialto	MCRV	Italy	40.7826N	15.1684E	1191	From 2005-07-10
Calachota	PP02	Peru	12.6273S	75.9783W	1655	
Calama	CAC	Antofagasta,Chile	22.4797S	69.0261W	2000	
Calar Alto	ACLR	Spain	37.1897N	2.5822W	1490	
Calarasi	CLS1	Romania	44.1919N	27.3305E	22	From 2015-08-20
Calaveras Res.	CALM	California,U.S.A.	37.4512N	121.7990W	265	From 1967-10-19
Calaveras Reservoir	CVR	California,U.S.A.	37.4512N	121.7990W	265	From 1967-10-19
Calayan Island, Cagayan	CICP	Luzon	19.2650N	121.4810E	40	From 2016-05-05
Calcutta	CAL	West Bengal,India	22.5392N	88.3307E	6	
Caldarusani	CDB	Romania	44.6769N	26.2706E	85	From 1979-01-01 to 1999-08-25
Caldas da Rainha	PCDRA	Portugal	39.4102N	9.1366W	56	From 2016-06-15
Caldas Novas	COR2	Goias,Brazil	17.7433S	48.6892W	950	
Caldeira	CALA	Azores,Portugal	38.5814N	28.7019W	875	
Caldeiras da Ribeira Grande	PCALD	Azores,Portugal	37.7972N	25.4877W	272	From 2011-04-10
Caldera	CLD	Atacama,Chile	27.0833S	70.9333W		
Caldera	CDCH	Atacama,Chile	27.0674S	70.8215W	25	From 2004-07-30
Caldiran	CLDR	Turkey	39.1431N	43.9170E	2087	From 2004-12-16
Caldwell North Station	KAN09	Kansas,U.S.A.	37.1361N	97.6183W	371	From 2014-08-21
Caldwell Ranch, Toyah	326A	Texas,U.S.A.	31.3165N	103.9786W	982	From 2008-03-19 to 2010-02-14
Caldwell West Station	KAN17	Kansas,U.S.A.	37.0441N	97.7648W	355	From 2015-04-16
Calebasse	PMCB	Martinique,France	14.7968N	61.1487W	730	
Calectric	CLTC	California,U.S.A.	34.0928N	117.3169W	325	
Caledonia	S42A	Missouri,U.S.A.	37.7700N	90.7939W	315	From 2011-07-24 to 2013-04-07
Caledonia Mountain	LMN	New Brunswick,Canada	45.8520N	64.8060W	363	From 1981-10-28
Calern	CALF	Provence-Cote d'Azur,France	43.7523N	6.9220E	1242	
Calern	CALN	Provence-Cote d'Azur,France	43.7522N	6.8894E	1430	From 1982-06-01
Calero Reservoir	CB2	California,U.S.A.	37.1908N	121.7650W	230	From 1968-10-01 to 1968-10-16
Caleta Bueno	CTBN	Antofagasta,Chile	22.4550S	70.2515W	169	From 2007-11-25
Caleta Campos	CCMX	Michoacan,Mexico	18.0533N	102.7500W		
Calexico	5053	California,U.S.A.	32.6695N	115.4925W	2	From 1997-03-13
Calhoun	X51A	Georgia,U.S.A.	34.5658N	84.8574W	214	From 2012-04-05
Calhoun Falls	CHF	South Carolina,U.S.A.	34.0247N	82.5867W	152	From 1977-02-14 to 1989-04-30
CALICANTO	CLCV	Venezuela	10.2633N	67.5936W	554	From 2004-06-30
Calice al Cornoviglio	CALI	Italy	44.2413N	9.8348E	410	From 1995-04-01 to 2009-09-30
Calico Hills	CDH5	Nevada,U.S.A.	36.8631N	116.3148W	1077	From 1980-02-01 to 2002-10-10
Calico Hills	CDH1	Nevada,U.S.A.	36.8631N	116.3148W	1407	From 1980-02-01 to 2002-10-10
Caliente	CQ-NV	Nevada,U.S.A.	37.9042N	114.4708W	1804	
Calif City Airpt	CCAC	California,U.S.A.	35.1525N	118.0165W	710	
California City	CALC	California,U.S.A.	35.1035N	117.9480W	722	
California State, Hayward	CSH	California,U.S.A.	37.6575N	122.0530W	170	From 1972-01-01
Calipatria	CLIC	California,U.S.A.	33.1408N	115.5270W	-59	
Calipatria 2	CLI2	California,U.S.A.	33.1211N	115.5802W	-60	From 2016-05-12
Cali,SGC	RAC02	Colombia	3.3720N	76.5300W	988	From 2011-09-25
Calistoga	CLS	California,U.S.A.	38.6367N	122.5850W	457	
Calitri	CLT3	Italy	40.9030N	15.4043E	525	
Calitri	CLTR	Italy	40.9000N	15.4408E	670	
Callahan	M02C	California,U.S.A.	41.3920N	122.8538W	960	From 2005-06-30 to 2007-11-14
Callao Caves	CVP	Luzon,Philippines	17.7030N	121.8220E	60	From 1976-05-01
Calle Reynoso Pleasanton	C062	California,U.S.A.	37.6675N	121.9034W	86	From 2012-04-27
Calls Hollow Road	CHRY	New York,U.S.A.	41.2081N	74.2211W	183	
Cal Nev Ari	W12A	Nevada,U.S.A.	35.3010N	114.8701W	774	From 2006-03-25 to 2008-10-14
Calobre, Veraguas	CALO3	Panama	8.3210N	80.8410W	147	From 2010-01-01
Cal Poly Pomona	CPPC	California,U.S.A.	34.0602N	117.8090W	205	
Calstate	BAKC	California,U.S.A.	35.3444N	119.1044W	116	
Cal. St., Hayward	CSHM	California,U.S.A.	37.6575N	122.0530W	170	From 1972-01-01
Caltabellotta	CLTB	Sicily,Italy	37.5786N	13.2156E	957	
Caltech Broad	CBCC	California,U.S.A.	34.1401N	118.1275W	239	
Caltech Cellar	CACC	California,U.S.A.	34.1368N	118.1220W	230	
Caltech--GSA	GSA	California,U.S.A.	34.1368N	118.1283W	234	
Caltech Rob'n Pit	CRPC	California,U.S.A.	34.1362N	118.1271W	233	
Calugareni	CGN	Romania	44.1667N	26.0000E	78	
Calvario	CALV	Ecuador	1.5220S	77.9088W	1180	From 1994-01-21
Calvi	CVF	Corse,France	42.5675N	8.8694E	530	From 1975-10-01 to 1989-11-13
Calviac	CAF	Midi-Pyrenees,France	44.9258N	2.0644E	630	From 1977-09-01
Calvinia	CVN	Cape Province,South Africa	31.4500S	19.7617E	1050	
Calvinia	CVNA	Cape Province,South Africa	31.4822S	19.7617E	1050	From 2004-03-01
Calvizzano	CCLV	Italy	40.9093N	14.1639E	139	From 2008-10-01
Calx Mountain	CLX	Montana,U.S.A.	48.2084N	115.1330W	1975	
Camacan, BA	CMC01	Brazil	15.3601S	39.5191W	169	From 2014-04-09
Camacho	PT10	Peru	12.0750S	76.9690W	274	From 1984-03-12
Camaiore	TCMO	Italy	43.9411N	10.3167E	41	From 2008-03-11
Cam and Jess, Hughton	140A	Louisiana,U.S.A.	32.6408N	93.5740W	56	From 2011-02-12 to 2012-11-10
Camapuan	CAMA	Mato Grosso,Brazil	19.5791S	54.1688W	482	
Camarda	MI06	Italy	42.3894N	13.4979E	807	From 2009-04-27 to 2009-06-09

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Camardi-Nigde	CMRD	Turkey	37.6623N	34.9902E	1234	From 2013-11-21
Camaret-sur-Mer, Bretagne, France	CAMF	Bretagne	48.2691N	4.6147W	105	From 2014-03-17
Camarillo Hills	CAMC	California,U.S.A.	34.2545N	119.0333W	268	
CAMARONES	EC08	Ecuador	0.4482S	79.9511W	278	From 2016-05-15
Camas Ranch	MFID	Idaho,U.S.A.	43.4151N	115.8278W	1302	
Cambeca, A0297	B0297	Mozambique	19.2337S	33.8223E	272	
Cambria	PCBM	California,U.S.A.	35.5184N	121.0607W	164	
Cambridge	CAM	Massachusetts,U.S.A.	42.3833N	71.1167W	5	From 1908-01-01 to 1930-12-31
Cambridge Bay Array Beam Reference Point	CBAR	Northwest Territories,Canada	69.1266N	105.1120W	40	
Cambridge Bay Array Site 1	CB01	Northwest Territories,Canada	69.1760N	105.2093W		
Cambridge Bay Array Site 11	CB11	Northwest Territories,Canada	69.1509N	105.0547W		
Cambridge Bay Array Site 12	CB12	Northwest Territories,Canada	69.1371N	105.1172W		
Cambridge Bay Array Site 13	CB13	Northwest Territories,Canada	69.1183N	105.1862W		
Cambridge Bay Array Site 14	CB14	Northwest Territories,Canada	69.1305N	105.2570W		
Cambridge Bay Array Site 15	CB15	Northwest Territories,Canada	69.1426N	105.3316W		
Cambridge Bay Array Site 16	CB16	Northwest Territories,Canada	69.1722N	105.3412W		
Cambridge Bay Array Site 17	CB17	Northwest Territories,Canada	69.1991N	105.3583W		
Cambridge Bay Array Site 18	CB18	Northwest Territories,Canada	69.2125N	105.2905W		
Cambridge Bay Array Site 19	CB19	Northwest Territories,Canada	69.2322N	105.2324W		
Cambridge Bay Array Site 2	CB02	Northwest Territories,Canada	69.1939N	105.1457W		
Cambridge Bay Array Site 3	CB03	Northwest Territories,Canada	69.1620N	105.1299W		
Cambridge Bay Array Site 31	CB31	Northwest Territories,Canada	69.1266N	105.1120W		
Cambridge Bay Array Site 32	CB32	Northwest Territories,Canada	69.2420N	105.5848W		
Cambridge Bay Array Site 33	CB33	Northwest Territories,Canada	69.3894N	105.2630W		
Cambridge Bay Array Site 34	CB34	Northwest Territories,Canada	69.2688N	104.8210W		
Cambridge Bay Array Site 35	CB35	Northwest Territories,Canada	69.2628N	105.2073W		
Cambridge Bay Array Site 4	CB04	Northwest Territories,Canada	69.1483N	105.1999W		
Cambridge Bay Array Site 5	CB05	Northwest Territories,Canada	69.1592N	105.2594W		
Cambridge Bay Array Site 6	CB06	Northwest Territories,Canada	69.1885N	105.2779W		
Cambridge Bay Array Site 7	CB07	Northwest Territories,Canada	69.2033N	105.2156W		
Cambridge Bay Array Site 8	CB08	Northwest Territories,Canada	69.2228N	105.1513W		
Cambridge Bay Array Site 9	CB09	Northwest Territories,Canada	69.2125N	105.0797W		
Cambridge (NY)	CAMB	New York,U.S.A.	43.0488N	73.2967W	287	
Cambutal, Los Santos	CAMBU	Panama	7.2670N	80.4870W	24	From 2010-01-01
Camdeboo Natn. Park, Graaff-Reinet, Eastern Cape	GRAF	South Africa	32.2790S	24.4899E	870	From 2016-07-19
Camden	249A	Alabama,U.S.A.	31.9752N	87.1225W	66	From 2012-01-21
Camden Bay	C26K	Alaska,U.S.A.	69.9175N	144.9122W	139	From 2016-06-24
Camedo, Paratoia di Spurgo TI	SCAS2	Switzerland	46.1552N	8.6146E	502	From 2016-08-15
Cameli-Denizli	CAME	Turkey	36.9435N	29.3023E	1391	From 2014-10-15
Camerino	CMRN	Italy	43.1392N	13.0718E	607	From 2019-10-17
Camerino	CMR	Italy	43.1333N	13.0667E		
Camerino	CIO	Italy	43.1950N	13.1440E	956	
Camerino, Frazione Baregnano (MC)	T1220	Italy	43.1102N	13.0889E	473	From 2016-10-27 to 2018-07-04
Camilla	353A	Georgia,U.S.A.	31.3474N	84.2172W	54	From 2012-03-09
Camiri	BS06	Bolivia	20.0393S	63.5187W	807	From 2012-06-01
Camlidere-ANKARA	CMDR	Turkey	40.4942N	32.4750E	1305	From 2011-08-05
Campagna	CMP3	Italy	40.6519N	15.0802E	958	
Campana	CMPN	Italy	39.4076N	16.8303E	535	From 2016-12-22
CAMPBELL BAY	CMBY	Andaman Islands,India	7.0109N	93.9266E	10	From 2008-02-13
Campbell Island	CBZ	Campbell Island,New Zealand	52.5508S	169.1590E	30	From 1966-12-01 to 1990-02-25
Campbellpur	CBP	Pakistan	33.7325N	72.2302E		From 1973-08-23 to 2009-09-20
Campbell River	CBB	British Columbia,Canada	50.0328N	125.3650W	317	From 1981-01-28
Camp Ben Lomond	JBLM	California,U.S.A.	37.1282N	122.1680W	792	From 1976-04-27
Camp Century	CCG	Greenland	77.1667N	61.1333W	1920	From 1962-11-30 to 1963-02-25
Camp Classen	CCOK	Oklahoma,U.S.A.	34.4577N	97.1556W	293	From 1994-08-10
Camp Creek Bald	CCNC	North Carolina,U.S.A.	36.0236N	82.7147W	1452	
Campeare	CAMV	Venezuela	10.5510N	63.3220W	1002	
Camp Elliot	CPE	California,U.S.A.	32.8889N	117.1051W	150	From 1972-11-01
Camp Elliot, Miramar	109C	California,U.S.A.	32.8889N	117.1051W	150	From 2004-05-04
Campello sul Clitunno, Frazione Spina Nuova (PG)	T1221	Italy	42.8605N	12.8470E	954	From 2016-10-30 to 2018-07-04
Camp Garcia	CGV	Puerto Rico	18.1328N	65.3173W	130	From 1978-03-01 to 2002-10-10
Campi Flegrei, Astroni est, (NA) Italy	CASE	Italy	40.8410N	14.1592E	105	From 2000-07-28
Campi Flegrei, Astroni ovest, (NA) Italy	CAWE	Italy	40.8404N	14.1392E	226	From 2015-07-01
Campi Flegrei Bagnoli (NA) Italy	CBAG	Italy	40.8115N	14.1747E	5	From 2014-05-20
Campi Flegrei Boa1 Golfo di Pozzuoli (NA) Italy	CFB1	Italy	40.8103N	14.1212E	-40	From 2016-07-01
Campi Flegrei Boa2 Golfo di Pozzuoli (NA) Italy	CFB2	Italy	40.8042N	14.1338E	-74	From 2016-07-01
Campi Flegrei Boa3 Golfo di Pozzuoli (NA) Italy	CFB3	Italy	40.8090N	14.1442E	-38	From 2016-07-01
Campi Flegrei Capo Miseno Bacoli (NA) Italy	CMIS	Italy	40.7782N	14.0890E	82	From 2015-10-12
Campi Flegrei Castello di Baia (NA) Italy	CBAC	Italy	40.8110N	14.0807E	33	From 2009-09-15
Campi Flegrei Monte Olibano Pozzuoli(NA) Italy	COLB	Italy	40.8190N	14.1446E	8	From 2001-07-06
Campi Flegrei Monte S.Angelo, Napoli (NA), Italy	CMSN	Italy	40.8382N	14.1818E	20	From 2008-11-28
Campi Flegrei Nisida, Napoli (NA), Italy	CNIS	Italy	40.7968N	14.1633E	3	From 1983-01-01
Campi Flegrei Oasi WWF Monte Nuovo Pozzuoli (NA) Italy	CFMN	Italy	40.8329N	14.0904E	50	From 2014-09-23
Campi Flegrei Pisciarelli Agnano(NA) Italy	CPIS	Italy	40.8292N	14.1470E	69	From 2010-01-29
Campi Flegrei, Pozzuoli, Arco Felice, (NA) Italy	CAFL	Italy	40.8439N	14.0935E	75	From 2006-02-01
Campi Flegrei, Pozzuoli harbour, (NA) Italy	CPOZ	Italy	40.8211N	14.1187E	2	From 2011-07-11
Campi Flegrei Sea Bottom Golfo di Pozzuoli (NA) Italy	CFSB	Italy	40.7978N	14.1198E	-96	From 2006-04-01
Campi Flegrei Solfatara Bordo Est (NA) Italy	CSOB	Italy	40.8267N	14.1439E	177	From 2007-01-10
Campi Flegrei Solfatara Pozzuoli (NA) Italy	CSFT	Italy	40.8290N	14.1395E	108	From 2013-01-10
Campi Flegrei Tennis Hotel, Pozzuoli (NA), Italy	CSTH	Italy	40.8297N	14.1500E	40	From 1983-01-01
Camp Murray	MURR	Washington,U.S.A.	47.1200N	122.5600W	10	
Campo	CP-	California,U.S.A.	32.7289N	116.3711W	1189	From 1961-10-01 to 1966-03-31
Campo	CP-CL	California,U.S.A.	32.7289N	116.3711W	1189	From 1961-10-01 to 1966-03-31
Campo	T27A	Colorado,U.S.A.	37.0614N	102.7214W	1366	From 2008-12-17 to 2010-11-08
Campo, CM01	ACM01	Cameroon	2.3890N	9.8340E	330	
Campo Grande	CGTX	Texas,U.S.A.	31.3267N	105.7100W	1305	
Campone	CM6*	Sicily,Italy	38.2069N	15.4603E	0	From 1966-01-01 to 1967-01-01
Campora	CMPR	Italy	40.3181N	15.3030E	732	From 2005-10-13
Campos	CMPB	Brazil,Brazil	21.7840S	41.4291W	56	
Campos-RJ	CAM01	Rio de Janeiro,Brazil	21.8257S	41.6574W	31	From 2011-01-30
Campotenese	T0715	Italy	39.8384N	16.0683E	1044	From 2011-11-28 to 2999-12-31
Campotosto	CAMP	Italy	42.5358N	13.4090E	1283	From 2003-10-06
Campo Tres	CEGR	Colima	19.3908N	103.8573W	1000	
Campotto Po	CMPO	Italy	44.5808N	11.8056E	2	From 2007-02-21
Camp Pendleton	CPT	California,U.S.A.	33.3025N	117.3400W	61	From 1975-01-01
Camp Six	KSXM	California,U.S.A.	41.8308N	123.8768W	1120	
Camp Six Broadband	KSXB	California,U.S.A.	41.8304N	123.8769W	1136	
Camp Tracy	CTU	Utah,U.S.A.	40.6925N	111.7503W	1731	
Campulung	CMP1	Romania	45.2652N	25.0457E	585	From 2015-09-01
Campulung	CMP	Romania	45.2683N	25.0383E	598	From 1943-03-01
Campus Universitario de Almeria	AALM	Spain	36.8300N	2.4017W	10	
Camp Williams	CWU	Utah,U.S.A.	40.4459N	112.1020W	1945	From 1974-10-01
Camsell Lake	CAMN	Northwest Territories,Canada	63.7321N	110.8989W	420	
CAN	CANC	Baja California	31.9988N	116.2618W	741	
Can-anakkale	CANM	Turkey	40.0114N	27.0529E	180	From 2017-02-22
Cana Brava	CAN3	Goias,Brazil	13.0993S	48.2898W	333	From 2008-01-01
Canada Road	AN7*	California,U.S.A.	37.0254N	121.4845W	300	From 1967-10-13
Canada Road	CDC	California,U.S.A.	37.0254N	121.4845W	300	From 1967-10-13
Canada Road	HCAM	California,U.S.A.	37.0254N	121.4845W	300	From 1967-10-13
Canadian Museum of Nature	OTNM	Ontario,Canada	45.4121N	75.6891W	72	From 2003-06-11
Canakkale	COMU	Turkey	40.0990N	26.4736E	409	From 2016-12-28
Canakkale	CANB	Turkey	40.0167N	27.0624E	230	From 2004-10-02
Canakkale, Ayvacik-Kocakoy	KOCA	Turkey	39.5022N	26.1383E	292	From 2014-12-01
CANAKKALE_Bayramic	BAYC	Turkey	39.7413N	26.5469E	349	From 2011-09-30
Canakkale, Eceabat-Seddulbahir	ECEA	Turkey	40.0445N	26.1742E	23	From 2014-12-01
anakkale-Gkeada	GOKA	Turkey	40.1908N	25.9077E	81	From 2014-05-25 to 2017-12-18
Canale Monterano - RM	TO03	Italy	42.1280N	12.0482E	223	From 2008-05-14 to 2009-04-02
Canalete	CANAL	Costa Rica,Costa Rica	10.8330N	85.0545W	118	
Canalobre	ACU	Spain	38.5114N	0.4106W	580	From 1985-03-01
Canania-SP	JAC01	Sao Paulo,Brazil	24.8114S	48.1024W	297	From 2011-01-30
Canarana	CNRN	Mato Grosso	13.7976S	51.9921W	278	From 2015-07-01
Canas	CNAS	Costa Rica,Costa Rica	10.4310N	85.0920W	56	
Canazas, Veraguas	CNAZ3	Panama	8.3490N	81.2080W	59	From 2010-01-01
Canberra	CAN	Australian Capital Territory,Australia	35.3208S	148.9990E	700	From 2006-08-20
Canberra Magnetic Observatory	CNB	Australian Capital Territory,Australia	35.3150S	149.3630E	850	
Cancha de Quillay	G13S	Maule	35.3782S	71.9608W	375	
Candarli	CAND	Turkey	38.9543N	26.8030E	158	From 2011-07-24
Candarli	RFT7	Turkey	38.9573N	26.9208E	129	From 2017-06-18
Candela	FG4	Italy	41.1319N	15.5175E	450	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Candelaria	PCAN	Azores,Portugal	38.4637N	28.4853W	400	
Candelaria	CANR	Nevada,U.S.A.	38.1097N	118.1932W	2015	
Candelaria	PCND	Azores,Portugal	38.4691N	28.4624W	650	From 2005-09-01
Candelaria, PLMA	PLMAC	Costa Rica	10.0332N	84.4120W	1047	
Candelarita	CANG	Costa Rica	9.8010N	84.3620W	294	
Candle	CDL	Alaska,U.S.A.	66.1140N	161.6570W	65	
Candoni, Negros Occidental, Philippines	CNOP	Negros	9.8277N	122.6394E	50	From 2014-04-09
Canebrake	CBKC	California,U.S.A.	32.8995N	116.2520W	414	
Cane Creek	CCAR	Arkansas,U.S.A.	33.9172N	91.7716W	72	
Canehill	V38A	Arkansas,U.S.A.	35.8626N	94.4077W	372	From 2010-06-15 to 2012-02-17
Canela	CNLB	Rio Grande do Sul,Brazil	29.3143S	50.8527W	705	
Caneva	CAE	Italy	46.0067N	12.4367E	870	From 1983-04-23
Canfield Road	NCFM	California,U.S.A.	38.3213N	122.7960W	98	From 1970-08-14
Canfranc	CANF	Spain	42.7637N	0.5175W	1205	From 2011-03-04
Canisius	CANY	New York,U.S.A.	42.9255N	78.8528W	192	From 1978-12-01 to 1982-03-18
Canisius College, New York, USA	CCNY	New York,U.S.A.	42.9273N	78.8551W	194	From 2013-12-05
Canitas, Panama	CNTA3	Panama	9.2200N	78.8890W	100	From 2010-01-01
Cankiri	CANT	Turkey	40.6061N	33.6196E	815	
Canlaon	VCN	Negros,Philippines	10.3970N	123.2070E	590	
Cannet Maures	CMF	Provence-Cote d'Azur,France	43.3573N	6.3895E	152	
Canning Dam	CANN	Western Australia,Australia	32.1522S	116.1277E	135	
Cannon Point	CAW	North Island,New Zealand	41.1072S	175.0665E	283	From 1976-05-11
Canoas	CDITO	Costa Rica	8.5733N	82.8727W	118	
Cano Negro, CANO	CAON	Costa Rica	10.8978N	84.7973W	72	
Canossa - RE	RE02	Italy	44.5672N	10.4673E	500	From 2008-12-28 to 2009-02-12
Canova, Magliolo (SV)	CANO	Italy	44.2075N	8.2372E	638	From 2015-09-01
Canovanas	CBYP	Puerto Rico	18.2716N	65.8566W	606	
Canovanas	CBYB	Puerto Rico	18.3000N	65.8000W	550	
Cantalupo del Sannio	CLPS	Italy	41.5220N	14.3921E	584	From 2019-05-23
Cantantal	ACAN	San Luis,Argentina	32.2742S	67.1885W	634	
CANTERA SAN PLACIDO	SNPL	Ecuador	1.0639S	80.2190W	112	From 2016-05-18
Canterbury Laser	CRLZ	South Island,New Zealand	43.5747S	172.6232E	55	From 1996-02-22
Cantiano	CNTN	Italy	43.4729N	12.6303E	416	From 2019-04-16
Cantley	CALQ	Quebec	45.5857N	75.8084W		
Cantone	ATCA	Italy	43.5659N	12.2661E	687	From 2010-05-18
Cantwell	CNA	Alaska,U.S.A.	63.3964N	148.9450W	700	From 1971-08-01 to 1976-09-30
Canyon Day Junior High, Whiteriver	Y18A	Arizona,U.S.A.	33.7776N	110.0341W	1512	From 2007-04-11 to 2009-02-05
Canyon Junction	YPCJ	Wyoming,U.S.A.	44.7438N	110.4975W	2426	
Canyon Junction	CJW	Wyoming,U.S.A.	44.7343N	110.4980W	2395	From 1974-10-01 to 1999-08-25
Canyonlands National Park, Moab	R18A	Utah,U.S.A.	38.3862N	109.8942W	1828	From 2007-06-16 to 2009-03-07
Cao Bang	CBVB	Vietnam	22.6523N	106.1943E	222	From 2006-01-01
Capacho	CAPV	Venezuela	7.8650N	72.3140W	1800	From 2002-08-14
Cape Campbell	CMWZ	North Island,New Zealand	41.7490S	174.2139E	281	From 2003-06-15
Cape Campbell	CCW	South Island,New Zealand	41.7491S	174.2172E	216	From 1981-01-16 to 2004-04-14
Cape Cod National Seashore	L65A	Massachusetts,U.S.A.	42.0295N	70.0528W	50	From 2013-09-27
Cape D'Aguilar	HKCD	Hong Kong,China	22.2092N	114.2597E	40	From 1997-04-23
Cape Darby	CDY	Alaska,U.S.A.	64.3475N	162.7840W	561	
Cape Douglas	CDD	Alaska,U.S.A.	58.9298N	153.6430W	622	From 1981-08-22
Cape Douglas	CDA	Alaska,U.S.A.	58.9553N	153.5290W	386	From 1974-01-01 to 1981-08-16
Cape Douglas, AK	Q19K	Alaska	58.9287N	153.6446W	631	From 2015-08-15
Cape Frico	AR7	Costa Rica	9.8503N	85.1164W	582	From 1976-05-15 to 1999-08-25
Cape Girardeau	CGM3	Missouri,U.S.A.	37.2978N	89.6582W	148	From 2011-07-01
Cape Girardeau	CGM	Missouri,U.S.A.	37.3167N	89.5333W	134	From 1938-01-01
Cape Gloucester Airport	CGA	New Britain,Papua New Guinea	5.4500S	148.4200E	15	
Cape Good Hope	CGH	Cape Province,South Africa	33.9333S	18.4833E	13	
Cape Hallett	HLL	Victoria Land	72.3139S	170.2170E	2	From 1957-04-01 to 1964-10-31
Cape Kidnappers	CKHZ	North Island,New Zealand	39.6582S	177.0777E	209	From 2007-08-29
Cape Leeuwin Hydroacoustic Site W1	H01W1	Western Australia,Australia	34.8930S	114.1540E	-2598	From 2010-01-24
Cape Leeuwin Hydroacoustic Site W2	H01W2	Western Australia,Australia	34.8985S	114.1338E	-2662	From 2010-01-24
Cape Leeuwin Hydroacoustic Site W3	H01W3	Western Australia,Australia	34.8832S	114.1361E	-2578	From 2010-01-24
Capelo, Faial	PCAPE	Azores	38.5968N	28.8261W	16	From 2015-05-18
Cape Reinga	CRZ	North Island,New Zealand	34.4302S	172.6799E	140	From 1967-10-09 to 1987-07-31
Cape Romanzof	CPR	Alaska,U.S.A.	61.7900N	165.9550W		
Cape Saint James	SJB	British Columbia,Canada	51.9367N	131.0144W	100	From 1982-09-17
Cape San Juan	CSJ	Puerto Rico	18.3830N	65.6180W	66	From 1975-04-01 to 1999-08-25
Cape Sarichef	CSA	Alaska,U.S.A.	54.5944N	164.8750W	152	From 1970-11-28 to 1971-05-18
Cape St.James	STJA	British Columbia,Canada	51.9372N	131.0155W	41	From 2012-11-09
Capetown	KCTM	California,U.S.A.	40.4758N	124.3360W	409	
Cape Town	CTO	Cape Province,South Africa	33.9500S	18.4500E	100	
Cape Wrath	RCR	Scotland,United Kingdom	58.6240N	4.9986W	100	From 1995-09-10
Cape Yakataga	CYK	Alaska,U.S.A.	60.0830N	142.4850W	3	From 1989-01-01
Cape Yakataga	CYT	Alaska,U.S.A.	60.0744N	142.4110W	323	From 1978-08-08 to 1980-09-22
Cap Guir	CGR	Morocco	30.6320N	9.8820W	117	From 2001-06-02
Capistrello	ACAP	Italy	41.9653N	13.3794E	657	From 2011-01-02
Capitan	Y24A	New Mexico,U.S.A.	33.9257N	105.4361W	1827	From 2008-04-24 to 2010-03-21
Capitignano (AQ), Italy	MB10	Italy	42.5140N	13.2931E	851	From 2016-11-30 to 2016-12-12
Capitignano (AQ), Italy	MB08	Italy	42.5156N	13.2789E	828	From 2016-11-30 to 2016-12-12
Capitignano (AQ), Italy	MB03	Italy	42.5225N	13.2841E	845	From 2016-11-30 to 2016-12-12
Capitignano (AQ), Italy	MB01	Italy	42.5240N	13.2765E	837	From 2016-11-30 to 2016-12-12
Capitignano (AQ), Italy	MB04	Italy	42.5218N	13.2739E	827	From 2016-11-30 to 2016-12-12
Capitignano (AQ), Italy	MB05	Italy	42.5254N	13.2909E	879	From 2016-11-30 to 2016-12-12
Capitignano Campo Calcio	CP01	Italy	42.5246N	13.2876E	885	From 2016-08-29
Capitignano, Mopolino alta	CP04	Italy	42.5253N	13.3016E	957	From 2016-08-30
Capitignano Paganica asilo nido	CP07	Italy	42.5075N	13.2751E	842	From 2016-08-30
Capitignano, Paterno campo sportivo	CP06	Italy	42.5350N	13.2859E	900	From 2016-08-29
Capitignano, via della Repubblica	CP02	Italy	42.5239N	13.2960E	898	From 2016-08-29
Capitignano, via di Sopra	CP05	Italy	42.5205N	13.3027E	925	From 2016-08-29
Capitol Peak	CPW	Washington,U.S.A.	46.9738N	123.1360W	792	From 1970-07-29
Capodarco di Fermo	CADA	Italy	43.1942N	13.7614E	148	From 2008-12-16
Capodimonte	CAP	Italy	40.8667N	14.2500E	129	
Capo d'Orlando	MCPD	Sicily,Italy	38.1200N	14.7300E	139	From 2012-06-13
Capo Mulini Mare	SN1	Italy	37.5476N	15.3975E	-2065	From 2006-02-09
Capo Vaticano	CV6*	Sicily,Italy	38.6089N	16.8842E		From 1966-04-01 to 1966-05-01
Capo Vaticano	CVI	Italy	38.5923N	15.9038E		From 1978-04-01
Cappella Vecchia, Vesuvio (NA), Italy	CPV	Italy	40.7822N	14.4222E	190	From 1992-02-18
Capps Glacier	CGLM	Alaska,U.S.A.	61.3077N	152.0070W	1082	
Capracotta	CPCA	Italia	41.4995N	14.1581E	1302	From 2019-09-24
Capraia (LI)	A317A	Italy	43.0500N	9.8424E	35	From 2015-12-15
Capra Ranch	CAPCA	California,U.S.A.	33.3882N	117.1949W	285	
Caprese Michel	CRE	Italy	43.6197N	11.9508E	1170	From 1983-10-01
Capriano del Colle	LEOD	Italy	45.4582N	10.1234E	92	From 2007-07-18 to 2018-05-24
Capriano del Colle, Italy	CADC	Italy	45.4555N	10.1287E	106	From 2018-05-24
Capricchia	MZ14	Italy	42.6254N	13.3573E	1391	From 2016-09-20 to 2016-11-10
Capricchia	MZ64	Italy	42.6220N	13.3390E	1111	From 2016-09-29 to 2016-10-27
Capriolo	CAPR	Italy	45.6372N	9.9345E	215	From 2006-05-31
Caprock	Z26A	New Mexico,U.S.A.	33.2716N	103.9798W	1163	From 2008-04-17 to 2010-03-05
Cap Rock	CPRX	New Mexico,U.S.A.	33.0308N	103.8670W	1356	
Cap Spartel	CPS	Morocco	35.7860N	5.9070W	355	
Captain Cook	CPH	Hawaii,U.S.A.	19.4882N	155.9180W	323	From 1973-09-20
Captain Cook Nikiski	CAPN	Alaska,U.S.A.	60.7683N	151.1539W	47	From 2013-07-01
Capurgana	CAP2	Colombia	8.6500N	77.3600W	229	
Capurgana	CAPC	Colombia	8.6353N	77.3515W	100	
Caqueza, Cundinamarca	CAQC	Colombia	4.4022N	73.9861W	2041	From 2016-04-30
Caracas	CAR	Venezuela	10.5070N	66.9280W	1035	From 1962-05-24
Caracas	CARV	Venezuela	10.5037N	66.9289W	1035	From 2012-07-29
Caracol de Corredores, Puntarenas	CCOL	Costa Rica	8.4075N	82.9734W	89	From 2014-10-01
Carapari	BB05	Bolivia	21.8322S	63.7390W	876	From 2012-03-08
Carapelle Calvisio	RM27	Italy	42.3018N	13.6799E	947	From 2009-06-18 to 2009-08-31
Carapungo - Pichincha	CRPG	Ecuador	0.1041S	78.4544W	2650	From 2015-09-11
Carate, Puerto Jimenez, Puntarenas	PIRO	Costa Rica	8.4041N	83.3364W	40	From 2015-06-04
Caraveli	CRV	Peru	15.7844S	73.3731W	1780	
Caravelle	CRM	Martinique,France	14.7537N	60.9155W	180	From 1973-01-01
Carbondale	S44A	Illinois,U.S.A.	37.6936N	89.2551W	155	From 2011-05-20
Carbondale, N11	NCR11	Colorado	39.3358N	107.2123W	1939	
Carbonia-Iglesias, Loc. Su Bruncu	SU26	Sardinia	39.1230N	8.4904E	66	From 2017-03-06
Carcaliu	CFR	Romania	45.1780N	28.1362E	52	From 1977-03-01
Carcanieres	CARF	Midi-Pyrenees,France	42.7160N	2.1055E	1220	From 1998-07-10
Cardinia	CDNM	Victoria,Australia	37.9462S	145.4252E	252	
Cardoso	CARD	Italy	44.0261N	10.4821E	380	From 2013-02-06

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Cardoso	CRDM	Italy	44.0262N	10.4818E	370	From 2006-01-01 to 2013-02-05
Careggine (LU)	T0916	Italy	44.1246N	10.3187E	871	From 2013-06-22
Carei	CEI	Romania	47.6850N	22.4585E	125	From 1979-01-01
Carey	J14A	Idaho,U.S.A.	43.3234N	113.5178W	1649	From 2007-08-11 to 2009-06-01
Cariacou	GRCU	Grenada	12.4711N	61.4529W	240	
Cariari	CARI	Costa Rica,Costa Rica	10.3640N	83.7360W	74	
Cariblanco	CBLA	Costa Rica	10.2773N	84.1830W	889	
Caribou	CBM	Maine,U.S.A.	46.9325N	68.1208W	250	From 1962-10-01 to 1994-12-31
Carife	CAFE	Italy	41.0280N	15.2366E	1070	From 2005-07-10
CARIFE	CAR22	Italy	41.0344N	15.2694E	766	From 2016-08-24
Carira, Sergipe, Brazil	CRRB	Sergipe,Brazil	10.2505S	37.5998W	237	From 2011-05-23 to 2013-02-22
Cariri, TO, Brazil	RET3	Tocantins,Brazil	11.8685S	49.2065W	279	From 2008-07-19 to 2012-06-09
Carlentini	HCRL	Sicily,Italy	37.2830N	15.0320E	190	From 1994-05-01
Carlisle	CARL	Western Australia,Australia	31.9835S	115.9267E	2	From 2009-02-14
Carloforte	CRL	Sardinia,Italy	39.1333N	8.3167E	18	
Carlos Bee Bl Hayward	C073	California,U.S.A.	37.6558N	122.0542W	190	From 2013-08-13
Carlsbad	CLNB	New Mexico,U.S.A.	32.2642N	103.8790W	1045	
Carlsbad	CLN	New Mexico,U.S.A.	32.4027N	103.7320W	1094	From 1974-04-05
Carlsbad 2	CLN2	New Mexico,U.S.A.	32.3552N	103.7740W	1100	
Carlsbad 4	CLN4	New Mexico,U.S.A.	32.3533N	104.0290W	975	
Carlsbad 6	CLN6	New Mexico,U.S.A.	32.5208N	103.8790W	1100	
Carlsbad 7	CLN7	New Mexico,U.S.A.	32.4132N	103.8080W	1033	
Carlsbad E Tower	CBET	New Mexico,U.S.A.	32.4205N	103.9900W	1042	
Carlson Angus Ranch, Regent	E26A	North Dakota,U.S.A.	46.4712N	102.4621W	806	From 2009-06-11 to 2011-06-24
Carlson Farm, Erwin	H32A	South Dakota,U.S.A.	44.5041N	97.4363W	573	From 2010-07-31 to 2012-07-21
Carlson Farm, Grass Valley	G06A	Oregon,U.S.A.	45.2357N	120.6351W	780	From 2006-08-15 to 2009-01-08
Carmagnola	A281A	Italy	44.8534N	7.7099E	292	From 2015-09-16
Carmanah Point Lighthouse	CPLB	British Columbia,Canada	48.6118N	124.7512W	40	
Carmen	CARM	Ecuador	0.2410S	79.4965W	2330	
Carmenet Vineyards, Sonoma	CVS	California,U.S.A.	38.3453N	122.4584W	295	From 1998-05-06
Carmichael	CRG	Guadeloupe,France	16.0542N	61.6592W	1370	
Carmignano	CRMI	Italy	43.7900N	10.9700E	490	From 2006-10-12
Carmo do Cajuru	CDCB	Minas Gerais,Brazil	20.2365S	44.7182W	880	From 1993-01-01
Carnagh Station	CNGZ	North Island,New Zealand	38.4837S	178.2075E	175	From 2006-07-21
Carnasaw Mountain Lookout Tower	CRO	Oklahoma,U.S.A.	34.1499N	94.5556W	302	From 1977-05-17 to 1980-07-23
Carnegie Institution of Washington	DTM	District of Columbia,U.S.A.	38.9567N	77.0644W	67	
Carney Farms, Richland	A22A	Montana,U.S.A.	48.9926N	105.9153W	861	From 2008-09-16 to 2010-07-15
Carnmenellis	CCA1	England,United Kingdom	50.1866N	5.2277W	210	From 1981-01-01
Carnsore Point	ECP	Ireland	52.1800N	6.3689W	5	From 1980-06-01 to 2002-01-06
Carolei	CARO	Italy	39.2540N	16.2190E	618	From 2006-08-07
CAROLEI	CAR1	Italy	39.2534N	16.2114E	679	From 2009-10-21
Carolina, Mapumalanga, South Africa	CRLN	South Africa	25.9949S	30.0227E	1600	From 2015-05-14
Carovilli	CII	Italy	41.7230N	14.3050E	910	
Carovilli	CRVI	Italy	41.7239N	14.3056E	910	
Carpanzano	CARP	Italy	39.1479N	16.3133E	685	From 2017-03-10
Carpegna, Italy	CPGN	Italy	43.8011N	12.3205E	1399	From 2008-12-10
Carpenter Ridge	PV23	Colorado,U.S.A.	38.4520N	109.0112W	2456	
Carpino	PCRP	Italy	41.8390N	15.8615E	124	From 2007-04-22
Carpinone	CPI2	Italy	41.5853N	14.3186E	750	
Carquinez Bridge	CRQB	California,U.S.A.	38.0558N	122.2249W	-63	
Carr	N24A	Colorado,U.S.A.	40.8271N	104.8824W	1695	From 2008-07-08 to 2010-05-18
Carrickbyrne, Co Wexford	IWEX	Ireland	52.3743N	6.7745W	179	
Carrickbyrne Hill	ECB	Ireland	52.3661N	6.7811W	125	From 1981-02-01
Carrier	CROK	Oklahoma,U.S.A.	36.5047N	97.9834W	403	From 2013-08-07
Carrier Mills	S45A	Illinois,U.S.A.	37.6774N	88.5804W	122	From 2011-05-19
Carrizo Plain	CRR	California,U.S.A.	32.8868N	115.9692W	66	From 1973-04-06
Carrizo Plain	CARC	California,U.S.A.	35.3082N	119.8458W	765	
Carrizosa	E042	Spain	38.8150N	3.0212W	893	
Carrollton	Z47A	Alabama,U.S.A.	33.1990N	88.0696W	65	From 2011-04-16 to 2013-01-31
Carrot	PCA1	Scotland,United Kingdom	55.7007N	4.2550W	302	From 1983-01-01
Carruther's Hill	CASA	Cape Province,South Africa	34.6990S	19.5900E	187	
Cars	CARS	Ecuador	2.4357S	78.9482W	3940	
Carsoli	CSO1	Italy	42.1009N	13.0880E	680	From 2008-02-26
Carson	E27A	North Dakota,U.S.A.	46.4293N	101.5645W	738	From 2009-07-16 to 2011-06-06
Carson Hill	CRH	California,U.S.A.	38.0187N	120.5100W	475	From 1972-04-19
Carson Hill	MCHM	California,U.S.A.	38.0187N	120.5100W	475	From 1972-04-19
Cartagena	CART	Spain	37.5868N	1.0012W	65	
Cartago	TAGO	Costa Rica,Costa Rica	9.8660N	83.9237W	1448	
Cartago Paso Ancho	CPAN	Costa Rica	9.8710N	83.8660W	2198	From 2013-05-23
Carters Dam	CDG	Georgia,U.S.A.	34.6108N	84.6713W		From 1975-01-01
Carthage	CRHG	Texas,U.S.A.	32.2888N	94.2252W	95	From 2017-09-28
Carthage	CTNY	New York,U.S.A.	43.9879N	75.6453W	187	From 2005-11-08 to 2007-06-27
Carthage	CRNM	New Mexico,U.S.A.	33.9525N	106.7340W	1662	
Carthage	I57A	New York,U.S.A.	43.9377N	75.6599W	321	From 2013-08-26
Cartoceto	CRTC	Italy	43.7685N	12.8830E	195	From 2019-12-18
Cartuja	CRT	Spain	37.1900N	3.5956W	774	
Caruaru	CAUB	Pernambuco,Brazil	8.1768S	36.0093W	479	From 2002-02-07
Caruaru-PE	NBCA	Pernambuco,Brazil	8.2258S	36.0130W	613	From 2011-04-09
Carupano	CRUV	Venezuela	10.6748N	63.2363W	20	From 1993-04-01
Carvers	Q09A	Nevada,U.S.A.	38.8340N	117.1816W	1703	From 2006-04-13 to 2008-03-22
Cary Ranch	CRY	California,U.S.A.	33.5654N	116.7373W	1128	
Caryville	CA-TN	Tennessee,U.S.A.	36.1444N	84.1897W	305	
Caryville	CA-	Tennessee,U.S.A.	36.1444N	84.1897W	305	
Casa Alexandra Alvarado - Tingo	TING	Ecuador	0.2825S	78.4486W	2453	
Casa Benchmark	MCBM	California,U.S.A.	37.6444N	118.8968W	2391	
Casablanca	COBS	Spain	40.7141N	1.3573E	-160	From 2007-11-01
Casacalenda	CSCL	Italy	41.6948N	14.8320E	905	From 2002-11-28
Casa de Milton Calero-El Garrochal	GARO	Ecuador	0.3355S	78.5354W	3011	From 2016-10-31
Casa de Sandra Vaca-San Rafael	SVAC	Ecuador	0.3218S	78.4912W	2573	From 2016-11-16
Casa Diablo	DBOG	California,U.S.A.	37.6528N	118.9180W	2243	From 1984-07-01
Casa Diablo Hot Springs	MCSM	California,U.S.A.	37.6549N	118.9058W	2417	From 1982-08-05
Casa Diablo Mountain	CASR	California,U.S.A.	37.5748N	118.5520W	2170	From 1980-06-01
Casa Elias Gonzalez en Calderon	CRON	Ecuador	0.0651S	78.4294W	2801	From 2016-11-01
Casa Hugo Yepes - Cumbaya	CUMY	Ecuador	0.1909S	78.4137W	2359	
Casa Juvan	CJV	California,U.S.A.	34.5305N	118.1440W	1341	
Casalattico (FR)	T0203	Italy	41.6187N	13.7213E	559	From 2009-10-08 to 2010-01-14
Casale	MZ02	Italy	42.6699N	13.2858E	963	From 2016-09-19 to 2016-10-26
Casamaina	RM12	Italy	42.2620N	13.3924E	1412	From 2009-04-07 to 2009-05-25
Casa Mquinas	CMAQ	Costa Rica	10.7020N	85.1943W	615	
Casa Mquinas Las Pailas	APPA	Costa Rica	10.7583N	85.3590W	650	From 2000-01-01
Casa Mquinas Miravalles	APGM	Costa Rica	10.7007N	85.1925W	636	From 2000-01-01
Casamari	CAS	Italy	41.6333N	13.3667E		
Casamicciola	CSM	Italy	40.7500N	13.9000E	123	
Casamicciola	OC9	Italy	40.7458N	13.9008E	123	From 1993-01-01
Casa Paps Liliana Troncoso	LILI	Ecuador	0.2718S	78.5313W	2866	From 2010-08-20
Casa Patricio Ramon - Quito	PRAM	Ecuador	0.1449S	78.4947W	2840	
Casa Presidencial	CPRS	El Salvador	13.6860N	89.2401W	810	
Casarave	BB07	Bolivia	14.8808S	64.4855W	170	From 2012-03-27
Casares, Malaga	E005	Spain	36.4294N	5.2660W	321	From 2008-02-14 to 2009-06-18
Casa Rosa Ranch, Morristown	Y15A	Arizona,U.S.A.	33.9535N	112.3331W	572	From 2007-03-20 to 2008-12-02
Casa Tonetto Surface	CTNS	Italy	45.8049N	12.2401E	66	From 2015-10-20
Casa Vasconez, Mastodontes, Carcelen, Quito, Ecuador	MAST	Ecuador	0.0773S	78.4686W	2647	From 2017-07-11
Casa Villegas, La Argelia, Quito, Ecuador	ARGE	Ecuador	0.2770S	78.5275W	2910	From 2017-07-11
Casa Vinicio Caceres	FENY	Ecuador	0.1470S	78.4815W	2815	From 2010-08-20
Cascade Tunnel	CC-WA	Washington,U.S.A.	47.7692N	121.0836W	1036	
Cascais	PCASC	Portugal	38.7726N	9.4856W	100	From 2015-12-21
Cascajal	CASL	Costa Rica	9.9432N	84.6767W	24	
Cascavel-CE	NBCL	Ceara,Brazil	4.2243S	38.2910W	27	From 2011-05-26
Cascello	MZ60	Italy	42.6350N	13.3090E	982	From 2016-09-27 to 2016-10-25
Cascia, Frazione Avendita (PG)	T1212	Italy	42.7516N	13.0446E	868	From 2016-08-24 to 2017-05-23
Cascina	VRG01	Italy	43.6314N	10.5045E	53	From 2019-03-01
Cascina	VRG02	Italy	43.6569N	10.5169E	53	From 2019-03-01
Cascina	VRG03	Italy	43.6404N	10.4694E	51	From 2019-03-01
Casco	K50A	Michigan,U.S.A.	42.7749N	82.6231W	191	From 2012-10-12
CASCOL	CSOL	Ecuador	1.6637S	80.4518W	220	From 2016-08-16
Case Bada	ECBD	Sicily,Italy	37.7795N	15.0863E	1420	From 1994-10-01
Case del Piano	ECPN	Sicily,Italy	37.7428N	14.9885E	2985	From 1993-11-01
Case del Vescovo	ECVS	Sicily,Italy	37.7030N	15.0177E	1950	From 1994-10-01
Case Giovannangeli - (Balsorano -AQ)	T0201	Italy	41.7780N	13.5745E	570	From 2009-06-12 to 2009-07-28

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Casera Mimoias	CSMI	Italy	46.5120N	12.6520E	1635	
Case Ranch, S27	SCR27	Colorado	37.4395N	107.1863W	2390	
Casera Razzo	CSZ	Italy	46.4731N	12.6172E	1825	From 1988-01-01 to 1994-10-12
Caserio Las Cruces	E037	Spain	38.8855N	5.8815W	436	
Casetta	SF04	Italy	42.8357N	11.6605E	737	From 2016-03-25
Casey	CASY	Enderby Land	66.2792S	110.5364E	154	
Casey Station	CSY	Wilkes Land	66.2894S	110.5290E	56	
Case Zampini	ECZM	Sicily,Italy	37.7308N	14.9040E	1342	From 1992-12-01
Cashca Tororas, San Jose de Chimbo	JSCH	Ecuador	1.7176S	78.9780W	2901	From 2012-07-26
Cashmere	CMHS	South Island	43.5673S	172.6241E	21	
Cashmere	CMZ	South Island,New Zealand	43.5845S	172.6398E	255	From 1978-09-07 to 1990-05-31
Casias Ranch, Antonito	T23A	Colorado,U.S.A.	37.0361N	106.0372W	2429	From 2008-06-06 to 2010-04-13
Casigua	CSV	Venezuela	8.5040N	72.5220W	50	
Casiguran, Aurora	CAAP	Luzon	16.2090N	122.0380E	10	From 2015-11-04
Casitas Dam	BCD	California,U.S.A.	34.3687N	119.3440W	213	From 1971-11-01
Casitas Lake	BCL	California,U.S.A.	34.4125N	119.3610W	177	From 1969-11-24 to 1971-10-05
Casmilo, Condeixa	PCAS	Portugal	40.0528N	8.4983W	343	From 2009-07-24
Casola in Lunigiana	TCSL	Italy	44.2000N	10.1817E	281	From 2004-05-20
Casper	K22A	Wyoming,U.S.A.	42.6507N	106.5240W	1686	From 2008-07-15
Caspian	CSN1	Iran	37.5635N	49.0950E	18	From 2015-07-13
Casr Tuba	QTBJ	Jordan	31.1200N	36.6770E		From 1990-03-24
Casr Tuba	CSTJ	Jordan	31.1200N	36.6770E	760	From 1990-03-24
Cassa de la Selva	CCAS	Spain	41.8840N	2.9053E	197	From 2004-12-01
Cassano Ionio	CSI	Italy	39.7765N	16.2894E	507	From 1979-05-01 to 2015-01-31
Cassano Irpino	CSSN	Italy	40.8608N	15.0239E	690	
Cassie Pea, Portland	U48A	Tennessee,U.S.A.	36.5107N	86.5402W	268	From 2011-12-10
Cassino	MZ097	Italy	42.6793N	13.2258E	1079	From 2016-09-23 to 2016-10-11
Casso	CSO	Italy	46.2733N	12.3239E	1070	From 1988-01-01
Cassop	LCP	England,United Kingdom	54.7368N	1.4741W	185	From 1991-01-01
Cass Winery, Paso Robles	TCAS	California,U.S.A.	35.6095N	120.5601W	381	From 2015-02-24
Castaar de Ibor, Cceres	CIBOR	Spain	39.6350N	5.4251W	586	From 2019-12-16
Castanea	MSRU	Sicily,Italy	38.2630N	15.5090E	335	From 1993-12-01
Castelbuono	CSLB	Sicily,Italy	37.9374N	14.0579E	583	
Castel del Monte	CDT	Italy	41.0820N	16.2740E	500	
Castel Frentano	CAFR	Italy	42.2273N	14.3470E	250	From 2006-11-15
Castella	LCAM	California,U.S.A.	41.1688N	122.2728W	689	
Castellane	OG32	Rhone-Alpes,France	43.8103N	6.5593E	1130	From 1991-05-03
Castelleone	CTL8	Italy	45.2763N	9.7622E	-78	From 2009-10-13
Castellina Chianti	CSNT	Italy	43.4722N	11.2911E	573	
Castello	ALCX	Spain	40.2612N	0.2669E	288	
Castello D'Argile (BO)	T0823	Italy	44.6862N	11.2771E	13	From 2012-05-26 to 2012-09-19
Castello di San Valentino (Castellarano) - RE	RE08	Italy	44.5237N	10.6998E	301	From 2008-12-28 to 2009-02-12
Castello Vieste (FG) Italy	OT13	Italy	41.8807N	16.1794E	25	From 2013-04-15
Castelluccio di Norcia (PG)	T1242	Italy	42.8293N	13.2044E	1450	From 2016-08-24 to 2016-10-03
Castell'Umberto	ME07	Italy	38.0813N	14.8116E	739	From 2007-11-22 to 2008-05-11
Castelmola	ECML	Sicily,Italy	37.8692N	15.2637E	810	From 1994-10-01
Castelo Branco	PCBR	Portugal	39.8403N	7.4775W	180	From 1994-05-10
Castelo Branco, Faial, Azores	PFCBR	Azores	38.5215N	28.7168W	33	From 2014-11-03
Castelpoggio (MS)	T0911	Italy	44.1117N	10.0738E	519	From 2013-06-21
Castel Sant'Angelo (RI)	T1222	Italy	42.4014N	13.0367E	555	From 2017-01-19 to 2017-05-23
Castelsantangelo Sul Nera (MC)	T1245	Italy	42.8565N	13.1880E	1540	From 2016-10-03 to 2017-08-18
Castelsaraceno	BCSR	Italy	40.1620N	15.9911E	915	From 2011-02-06
Castel Tesino	CTI	Italy	46.0481N	11.6498E	1189	
Castelvetrano	CVT	Sicily,Italy	37.6780N	12.7920E	0	From 1986-01-01
Castelvetrano	CAVT	Sicily,Italy	37.6788N	12.7556E	158	From 2000-07-01
Castel Viscardo	CSVS	Italia	42.7557N	12.0016E	682	From 2017-07-26
Castiglione	ECTS	Sicily,Italy	37.8820N	15.1210E	681	From 1989-07-01
Castiglione Aldobrando (Gubbio) - PG	AT04	Italy	43.2543N	12.4505E	595	From 2010-03-31
Castiglione della Pescaia	CASP	Italy	42.7908N	10.8652E	390	From 2007-05-30
Castiglione (Tornimparte)	RM15	Italy	42.2823N	13.2452E	1223	From 2009-04-09 to 2009-05-25
Castiglion Fiorentino	CAFI	Italy	43.3292N	11.9663E	547	From 2007-09-12
Castillo	CASO	Costa Rica	10.4337N	84.7342W	575	From 2000-01-01
Castillo	CASI	Costa Rica	10.4350N	84.7362W	559	
Castillo de Giribaile, Vilches, Jaen	E032	Spain	38.1135N	3.4898W	480	From 2008-06-04 to 2008-11-14
Castleberry Farm, Seminole	128A	Texas,U.S.A.	32.6213N	102.4850W	966	From 2009-02-06 to 2010-12-06
Castle Douglas	GCD	Scotland,United Kingdom	54.8638N	3.9417W	189	From 1989-01-01
Castle Hill	CSHS	South Island	43.2282S	171.7234E	731	
Castle Hill	CAH	New South Wales,Australia	34.6433S	149.2420E	700	From 1970-01-01
Castle Mountain	CTM	California,U.S.A.	35.9317N	120.3370W	1189	From 1970-12-15
Castle Mountains	CMJ	Jamaica	18.1358N	76.3727W	333	
Castle Mt.	PCAM	California,U.S.A.	35.9317N	120.3370W	1189	From 1970-12-15
Castlepoint	CAZ	North Island,New Zealand	40.9025S	176.2264E	6	From 1968-02-20 to 1988-11-23
Castlepoint	CPWZ	North Island,New Zealand	40.9098S	176.2016E	131	From 2009-07-07
Castle Rock	CTR	New York,U.S.A.	43.8742N	74.4600W	585	From 1971-09-01
Castle Rock	CRC	California,U.S.A.	37.2417N	122.1300W	607	From 1966-03-01 to 1977-06-01
Castle Rocks	CAST	Alaska,U.S.A.	63.4188N	152.0844W	611	From 2006-08-05
Castle Rock Springs	GCRM	California,U.S.A.	38.7732N	122.7150W	719	From 1979-05-08
Castle Valley Ranch, Emery	Q16A	Utah,U.S.A.	38.9176N	111.1716W	1912	From 2007-05-31 to 2009-12-08
Castor Lake	CTLN	Yukon Territory,Canada	64.4287N	116.0189W	552	
Castries, St. Lucia	SLCP	St Lucia	14.0093N	60.9896W	28	From 2014-10-17
CASTRO	CTRO	Chile	42.4814S	73.7814W	92	From 2008-08-12
Castrocucco	CUC	Italy	39.9931N	15.8156E	665	
Castroreale	MCSR	Sicily,Italy	38.0640N	15.2500E	1010	From 1993-12-01
Castro Verde	PCVE	Portugal	37.6320N	8.0390W	234	From 2007-12-11
Castrovirreyna	CST	Peru	13.2917S	75.3233W	3947	
Casumaru (Bondeno - FE)	T0822	Italy	44.8328N	11.3455E	6	From 2012-05-20 to 2012-11-27
CAT	CATC	Baja California	31.6500N	115.8032W	1191	
Catak	CTK	Turkey	40.6900N	34.8261E	1250	From 1991-01-01
Catalca	CTTX	Turkey	41.3420N	28.3580E	378	
Catalca	CTT	Turkey	41.1473N	28.4297E	324	From 1978-08-01
Catalca	ELBA	Turkey	41.1469N	28.4307E	331	From 2005-09-20
Catalina Dam	CTD	California,U.S.A.	33.3549N	118.4444W	190	
Catalina I. Airport	CIAC	California,U.S.A.	33.4019N	118.4137W	467	
Catalina Island	CIU	California,U.S.A.	33.4458N	118.4830W	203	
Catalina Island Airport, Avalon	CIS	California,U.S.A.	33.4019N	118.4150W	477	From 1998-09-10 to 2008-07-16
Catalina, PUCA	PUCAC	Costa Rica	10.3327N	85.2600W	40	
Catamayo	CATE	Ecuador	3.9618S	79.3720W	1358	From 2008-12-12
Catandica, A0786	M0786	Mozambique	18.0540S	33.1587E	628	
Catania	CAT	Sicily,Italy	37.5142N	15.0972E	20	
Catanzaro	CATZ	Sicily,Italy	38.9000N	16.6170E		
Catapilco	VA06	Valparaiso	32.5610S	71.2970W	80	From 2015-09-15
Catapilco	CTP	Aconcagua,Chile	32.5717S	71.3117W	116	From 1970-08-01
Cataract Bedrock	CTBM	New South Wales,Australia	34.2648S	150.8107E	322	
Cataract Creek	CCAZ	Arizona,U.S.A.	35.6540N	112.2970W	1724	
Cataract Dam	CTDM	New South Wales,Australia	34.2672S	150.8023E	294	
Catarata Coopelesca	CPMI	Costa Rica,Costa Rica	10.2822N	84.3815W	1718	
Catarman	CNP	Samar,Philippines	12.5105N	124.6632E		From 1980-09-04
Cat Creek Ranch, Riddle	L11A	Idaho,U.S.A.	42.1669N	115.7541W	1511	From 2007-01-08 to 2008-08-14
Cateel, Davao Oriental	CDOP	Mindanao	7.7840N	126.4380E	0	From 2016-08-14
Catelraimondo	CRM1	Italy	43.2101N	13.0580E	302	From 2011-04-07
Catenanuova	ECNV	Sicily,Italy	37.5956N	14.7125E	475	From 2007-01-30
Cat-ERZURUM	ECAT	Turkey	39.6062N	40.9742E	1910	From 2010-08-04
Catey	SNH1	Dominican Republic	19.2681N	69.7303W	2	From 2011-06-17
Catfish Pond	CNJ	New Jersey,U.S.A.	41.0358N	75.0042W	351	From 1973-02-01 to 1974-07-31
Cathedral Cave	CCM	Missouri,U.S.A.	38.0557N	91.2446W	222	From 2011-07-14
Catigliano (Citt di Castello) - PG	AT07	Italy	43.4940N	12.0561E	442	From 2010-04-01
Catlettsburg	R52A	Kentucky,U.S.A.	38.3366N	82.6443W	300	From 2012-06-28
Catron	CATM	Missouri,U.S.A.	36.6129N	89.6472W	82	
Cattai, Sydney	CATI	New South Wales	33.5572S	150.9179E	7	From 2016-10-01
Catuaro Arriba	CATA	Venezuela	10.6010N	63.0700W	360	
Cauayan	CAUP	Luzon,Philippines	16.9440N	121.8230E	50	
Cauldkaine Hill	ECK	Scotland,United Kingdom	55.1811N	3.1272W	336	From 1981-09-01
Caumsett State Park, Huntington	N62A	New York,U.S.A.	40.9313N	73.4677W	34	From 2013-09-09
Cauquenes	CAUQ	Maule,Chile	35.9698S	72.2275W	172	
Causey	Y27A	New Mexico,U.S.A.	33.8839N	103.1633W	1253	From 2008-04-18 to 2010-03-18
Cauta	CTAS	El Salvador	13.7489N	89.8653W	355	
Cavalese	CAV	Trentino,Italy	46.2945N	11.4619E	1074	From 1981-06-15 to 2000-12-31
Cavaso del Tomba, Italy	MTOM	Italy	45.8883N	11.8993E	897	From 2010-06-09
Cave	LCAV	Italy	41.8162N	12.9386E	398	From 2009-11-11

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Cave	KCA	Kerguelen Islands,France	49.3480S	70.2180E		From 1974-02-01
Cavedale Road	CRD	California,U.S.A.	38.3698N	122.4620W	620	From 1971-03-08
Cavedale Road	NCDM	California,U.S.A.	38.3698N	122.4620W	620	From 1971-03-08
Cave del Predil	PRED	Italy	46.4428N	13.5650E	902	From 2010-07-20
Cave In Rock	CIRL	Illinois,U.S.A.	37.5119N	88.1081W	119	
Cave Junction	L02A	Oregon,U.S.A.	42.1560N	123.6018W	484	From 2005-12-16 to 2007-11-29
Cave Junction	L02E	Oregon,U.S.A.	42.1580N	123.6026W	454	From 2012-10-10
Cave Junction	L02F	Oregon,U.S.A.	42.1209N	123.5707W	440	From 2016-04-30 to 2016-09-30
Cave Junction, OR	L02D	Oregon,U.S.A.	42.1578N	123.6031W	458	From 2009-11-08 to 2012-10-09
Cave Mountain	CAVC	California,U.S.A.	35.0523N	116.3392W	664	
Caverna	CVRN	Patagonia	42.9685S	72.6788W	69	From 2016-05-04
Cavezzo	CAVE	Italy	44.8658N	11.0031E	23	From 2012-11-28
Caviahue	CANA	Neuquen,Argentina	37.8875S	71.0620W	1645	From 1993-11-08
Cavilane, A0770	M0770	Mozambique	21.4213S	33.8632E	65	
Cavillon	CAVM	New South Wales,Australia	29.6478S	151.6238E	982	
Cavuskoy	CAVTT	Turkey	40.2022N	29.8425E	460	
Cavuskoy	CAVI	Turkey	40.2022N	29.8425E	460	From 1993-01-01
Cawcaw Swamp	CCS	South Carolina,U.S.A.	32.8161N	80.2553W	9	From 1976-03-31
Cayambe	CAYA	Ecuador	0.0715N	77.9901W	4143	From 1988-10-14
Cayambe	CASW	Ecuador	0.0160N	78.0063W	4889	
Cayambe Volc	ELAGU	Ecuador	0.0236S	77.9903W	4218	From 2002-12-12
Cayce	HLKK	Kentucky	36.5390N	89.0423W	87	From 1989-05-24 to 1992-12-16
Cayce	DENM	Kentucky	36.5788N	89.0423W	84	From 1990-05-23 to 1990-11-20
Cayeli-Rize	CHAY	Turkey	41.0862N	40.7253E	72	From 2012-03-20
Cayeli-Rize	CHOM	Turkey	41.0970N	40.7611E	422	From 2012-03-21
Cayenne	CAY	French Guiana,France	4.9480N	52.3167W	25	From 1985-07-22
Cayo Roncador, Archipielago de San Andres, Providencia y Santa Catalina	RNCC	Colombia	13.5764N	80.0918W	3	From 2018-10-23
Cazenovia	CAZE	New York,U.S.A.	42.9313N	75.9200W	301	
CB02E	CB02E	Romania	45.9650N	25.5590E	427	
CB03E	CB03E	Romania	45.7940N	25.7720E	541	
CB04B	CB04B	Romania	45.6900N	26.0800E	675	
CB05A	CB05A	Romania	45.5880N	26.1470E	674	
CB05B	CB05B	Romania	45.6090N	26.1250E	668	
CB07E	CB07E	Romania	45.4830N	26.5910E	486	
CB09E	CB09E	Romania	45.3790N	26.9760E	247	
CB11E	CB11E	Romania	45.2220N	27.4270E	88	
CC01	CC01	Romania	47.0550N	25.9250E	591	
CC03E	CC03E	Romania	46.6690N	25.5510E	717	
CC05	CC05	Romania	46.2550N	25.2100E	721	
CC06A	CC06A	Romania	46.0790N	25.1480E	589	
CC06B	CC06B	Romania	46.0860N	24.9890E	602	
CC07	CC07	Romania	45.9290N	24.9260E	538	
CC08A	CC08A	Romania	45.6900N	24.7950E	687	
Cccc	CCCC	Cuba	21.2000N	77.7660W		
CCHEN	MT16	Metropolitana	33.4280S	70.5230W	780	From 2017-11-22
CD01	CD01	Romania	45.2600N	24.4250E	472	
CD04	CD04	Romania	44.8630N	24.3910E	400	
CD06	CD06	Romania	44.6420N	24.7620E	208	
CD07	CD07	Romania	44.4700N	24.4450E	167	
CD10	CD10	Romania	44.4960N	24.9600E	192	
CD11	CD11	Romania	44.2730N	24.7560E	179	
CD12	CD12	Romania	44.3080N	25.0860E	141	
CD14	CD14	Romania	44.3360N	25.6440E	126	
CD15	CD15	Romania	44.1960N	25.5010E	123	
CD16	CD16	Romania	44.0000N	25.5760E	109	
CD17	CD17	Romania	44.1710N	26.1350E	83	
CD19	CD19	Romania	44.3240N	26.4970E	96	
C.da Z Pietro	EZPO	Sicily,Italy	37.8230N	15.1068E	847	From 1994-10-01
Cd. Obregon	CDOB	Sonora	27.4153N	110.1325W	20	From 2016-11-25
CE01	CE01	Romania	46.3460N	26.4220E	438	
CE02	CE02	Romania	46.2130N	26.4460E	494	
CE03	CE03	Romania	46.1030N	26.8310E	370	
CE04	CE04	Romania	46.0730N	27.1300E	227	
CE05	CE05	Romania	46.0000N	26.6560E	528	
CE06	CE06	Romania	45.9890N	26.8750E	335	
CE07	CE07	Romania	45.9270N	27.0540E	314	
CE08	CE08	Romania	45.8660N	26.7280E	408	
CE09	CE09	Romania	45.7840N	26.7230E	419	
CE11	CE11	Romania	45.6760N	27.0440E	345	
CE13	CE13	Romania	46.0300N	26.0550E	625	
CE15	CE15	Romania	45.8190N	26.0060E	563	
CE16	CE16	Romania	45.6410N	25.7560E	637	
CE17	CE17	Romania	45.5120N	25.5080E	1036	
CE18	CE18	Romania	45.4370N	25.0490E	971	
CE19A	CE19A	Romania	45.1860N	25.4390E	457	
CE20	CE20	Romania	45.3040N	25.7230E	417	
CE21	CE21	Romania	45.4910N	25.9450E	1361	
CE22	CE22	Romania	45.5620N	26.8670E	362	
CE23	CE23	Romania	45.5200N	27.0500E	275	
CE24	CE24	Romania	45.4700N	26.7300E	386	
CE25	CE25	Romania	45.3270N	26.7370E	303	
Ceahlau	CEA	Romania	46.9758N	25.9511E	1699	From 1982-09-01 to 1989-01-01
Cebu City	CCP	Cebu,Philippines	10.3313N	123.9062E	36	
Cedar Bluff	CBKS	Kansas,U.S.A.	38.8140N	99.7374W	677	From 1994-09-01
Cedar Butte	CIB	Idaho,U.S.A.	43.4011N	112.9420W	1611	From 1979-11-18 to 1986-07-11
Cedar Butte	CBTI	Idaho,U.S.A.	43.3875N	112.9120W	1754	From 1986-07-11
Cedar City	CCU	Utah,U.S.A.	37.6753N	113.0690W	1775	From 1968-12-01
Cedar City	CCUT	U.S.A.	37.5506N	113.3627W	2127	
Cedar City	CVH	Utah,U.S.A.	37.7151N	113.0641W	1724	From 2008-06-10
Cedar City	S14A	Utah,U.S.A.	37.7601N	113.1684W	1746	From 2007-01-27 to 2008-10-08
Cedar City, Iron County	IAE	Utah,U.S.A.	37.6651N	113.0667W	1807	From 2008-07-09
Cedar City Park	CCPU	Utah,U.S.A.	37.6666N	113.0882W	1839	From 2009-09-03
Cedar Cove	CVE	Utah,U.S.A.	38.4642N	112.8520W	1890	
Cedar Creek	CDO	Oklahoma,U.S.A.	34.1904N	94.7726W	230	From 1980-08-01 to 1981-03-25
Cedar Creek Ranch, Saratoga	M22A	Wyoming,U.S.A.	41.4033N	106.5958W	2334	From 2007-11-25 to 2010-05-15
Cedaredge	CECO	Colorado,U.S.A.	38.9310N	107.9810W	1692	
Cedar Flats	CDFW	Washington,U.S.A.	46.1162N	122.0470W	780	
Cedar Hill Farm, Mount Bethel	N60A	Pennsylvania,U.S.A.	40.8704N	75.1000W	189	From 2013-06-12
Cedar Moraine	CDMR	Washington,U.S.A.	47.4222N	121.7578W	479	
Cedar Mountain	CMU	Utah,U.S.A.	39.1713N	110.6190W	2332	From 1978-06-01 to 1990-08-14
Cedars of Lebanon	CLTN	Tennessee,U.S.A.	36.0912N	86.3315W	208	
Cedar Springs	CED	California,U.S.A.	34.2772N	117.3340W	1067	From 1965-03-01 to 1967-07-31
Cedar Springs	CSP	California,U.S.A.	34.2980N	117.3583W	1239	From 1969-07-01
Cedral	CDL2	Costa Rica	10.5252N	83.6873W	51	
Cedral	CDRL	Costa Rica	10.5252N	83.6873W	51	
Cedros	CDRO	Azores,Portugal	38.6292N	28.6992W	195	
Cedros	CEDR	Azores,Portugal	38.6341N	28.6986W	100	From 1993-04-07
Cedros	PCED	Azores,Portugal	38.6283N	28.7017W	200	
Ceglie Messapica	CGL1	Italy	40.6548N	17.4762E	303	
Ceiba Bonita	SDD09	Dominican Republic	19.2533N	69.6073W	465	
CEJHS Indians, Carlisle	Q46A	Indiana,U.S.A.	39.0231N	87.3575W	164	From 2011-11-08
Celadas (Teruel)	E0901	Spain	40.4805N	1.1279W	1176	From 2017-07-13
Celerina	SCEL	Switzerland	46.5074N	9.8552E	1718	From 2009-08-01
Celeste	CEL	Italy	38.2594N	15.8939E	690	
Celico	CELI	Italy	39.4027N	16.5088E	1289	From 2011-10-20
Cemaes, Anglesey	WPS	Wales,United Kingdom	53.4004N	4.4986W	16	From 2011-03-10
Cemisgezek	CEM	Turkey	39.0579N	38.9234E	1076	From 1973-09-10
Cenerente	CNRT	Italy	43.1508N	12.3573E	393	From 2014-04-09
Centennial Lake Park	CLPO	Ontario,Canada	45.2460N	76.9642W	272	
Centennial Mountain	CMI	Idaho,U.S.A.	44.5253N	111.6220W	2377	
Center	D27A	North Dakota,U.S.A.	47.1081N	101.5254W	685	From 2009-07-17 to 2011-06-08
Center Grove, Livingston	439A	Texas,U.S.A.	30.7937N	94.7660W	90	From 2010-04-12 to 2011-12-13
Center of French Array, Koutavos Park, Argostoli (Cefalonia, Greece)	KEA00	Greece	38.1633N	20.5056E	35	From 2014-02-04 to 2014-05-21
Center of German array, Koutavos Park, Argostoli (Cefalonia, Greece)	KEB01	Greece	38.1654N	20.5081E	47	From 2014-02-05 to 2014-05-20
Centerville	337A	Texas,U.S.A.	31.3159N	95.8854W	150	From 2010-02-16 to 2011-12-12
Centerville	CV-TN	Tennessee,U.S.A.	35.7700N	87.3844W	183	From 1961-11-25 to 1962-10-05
Centerville	CV-	Tennessee,U.S.A.	35.7700N	87.3844W	183	From 1961-11-25 to 1962-10-05
Centerville, N24	NCR24	Colorado	38.6917N	106.0961W	2448	
Centerville Road, Mineral	CVRD	Virginia,U.S.A.	38.0686N	77.8081W	100	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Centrahoma	X36A	Oklahoma,U.S.A.	34.5704N	96.3520W	211	From 2010-04-20 to 2012-02-02
Central Fire St	CFSC	California,U.S.A.	34.1054N	117.2829W	312	
Central Michigan University	MTPM	Michigan,U.S.A.	43.5872N	84.7743W	178	
Central Minnesota Array	CM4	Minnesota,U.S.A.	45.7500N	93.1019W	298	From 1977-01-01
Central Minnesota Array	CM2	Minnesota,U.S.A.	45.9741N	93.1618W	323	From 1977-01-01
Central Minnesota Array	CM1	Minnesota,U.S.A.	45.9337N	93.3528W	324	From 1977-01-01
Central Minnesota Array	CM3	Minnesota,U.S.A.	45.8747N	93.0097W	294	From 1977-01-01
Central Minnesota Array	CM6	Minnesota,U.S.A.	45.8599N	93.1977W	310	From 1977-01-01
Central Minnesota Array	CM5	Minnesota,U.S.A.	45.7830N	93.3234W	298	From 1977-01-01
Central Park	CPNY	New York,U.S.A.	40.7912N	73.9600W	27	
Central Pumice Cone, Newberry	CPCO	Oregon	43.7220N	121.2332W	2134	From 2012-02-28 to 2999-12-12
Central Site	MCEM	California,U.S.A.	37.9388N	120.5293W	373	
Centre Court Alameda	C051	California,U.S.A.	37.7467N	122.2386W	4	From 2010-09-23
Centro Acquisizione Posillipo, Napoli (NA), Italy	CCAP	Italy	40.8065N	14.1926E	166	From 2005-04-20
Centro de Investigaciones Geotecnicas	CIGS	El Salvador	13.6981N	89.1733W	616	From 1991-12-01 to 2003-03-28
Centro de Operaciones de Emergencia de Guadalupe	COEG	El Salvador	13.6199N	88.8804W	716	
Centro de Produccion Miravalles	CAMAV	Costa Rica,Costa Rica	10.7002N	85.1938W	704	
Centro Nacional de Registro (CNR) San Miguel	CNRM	El Salvador	13.4746N	88.1705W	127	
Cent US Eq Cons	CUET	Tennessee,U.S.A.	35.0072N	89.9756W	104	
CEPHALONIA KOUTAVOS	CK00	Greece	38.1642N	20.5063E	4	From 2015-12-01
CEPHALONIA KOUTAVOS 15	CK15	Greece	38.1642N	20.5063E	-11	From 2015-12-01
CEPHALONIA KOUTAVOS 40	CK40	Greece	38.1642N	20.5063E	-36	From 2015-12-01
CEPHALONIA KOUTAVOS 6	CK06	Greece	38.1642N	20.5063E	-1	From 2015-12-01
CEPHALONIA KOUTAVOS 83	CK83	Greece	38.1642N	20.5063E	-79	From 2015-12-01
CEPHALONIA KOUTAVOS FF	CKWP	Greece	38.1663N	20.5105E	15	From 2015-12-01
Cerbatana	CERBA	Costa Rica	9.8282N	84.3302W	1125	
Ceres	CER	Cape Province,South Africa	33.3617S	19.2933E	472	
Ceres, CA, USA	CERS	California	37.6120N	120.9304W	0	From 2018-09-01
Cerignola FG	CAPA	Italy	41.1583N	15.8169E	156	From 2014-02-28
Cerknica	CEY	Slovenia	45.7388N	14.4267E	579	From 1975-08-15
Cernavoda	CVDA	Romania	44.3336N	28.0374E	43	From 2010-11-16
Cernavoda	CVD	Romania	44.3145N	28.0326E	82	
Cernavoda	CVD4	Romania	44.3243N	28.0450E	16	From 2015-08-19
Cernavoda-Power Plant	CVD1	Romania	44.3207N	28.0624E	20	From 2010-06-03
Cernica	CNCR	Romania	44.4439N	26.2619E	105	From 2004-08-17
CERN, Surface station	CERNS	France	46.2669N	6.0662E	463	From 2017-02-15
Cerqua	RM30	Italy	42.5332N	13.0931E	885	From 2009-09-17 to 2010-02-16
Cerra Azul, Caleta Web	CEAZ	Galapagos,Ecuador	0.8073S	91.4074W	667	From 2012-10-09
Cerrejon, Guajira, Colombia	CRJC	Colombia	11.0200N	72.8820W	827	From 2014-11-26
Cerre-les-Noroy	CNF	Franche Comte,France	47.5828N	6.3177E	305	
Cerreto	CERT	Italy	41.9490N	12.9820E	755	From 2003-04-23
Cerreto di Spoleto	CRSP	Italy	42.8205N	12.9172E	540	From 2014-01-02
Cerrillo	CRX	Mexico D.F.,Mexico	19.4064N	99.6800W	2997	From 1978-11-29
Cerrillos	CELP	Puerto Rico	18.0749N	66.5792W	195	
Cerrillos	CLLP	Puerto Rico	18.0800N	66.5767W	195	From 1991-04-01 to 1999-08-25
Cerro Adams	ACR	Costa Rica	8.6532N	83.1680W	500	
Cerro Alto Campground	PCGM	California,U.S.A.	35.4253N	120.7390W	314	
Cerro Antonio	CANV	Venezuela	11.0390N	68.8280W	450	From 1993-04-01
CERRO ARCO	ARCO	Mendoza,Argentina	32.8415S	68.9322W	1557	From 1997-06-12
Cerro Azul	CZL	New Mexico,U.S.A.	36.2833N	105.9103W	2128	
Cerro Blanco	GYEB	Ecuador	2.1358S	80.0913W	379	From 2012-06-20
Cerro Blanco	BCO	San Juan,Argentina	31.4878S	68.8104W	1059	
Cerro Blanco	RTCB	San Juan,Argentina	31.4878S	68.8104W	1059	
Cerro Bola	CBX	Baja California,Mexico	32.3131N	116.6636W	1238	From 1982-01-05
Cerro Calan	CLCH	Santiago,Chile	33.3961S	70.5369W	865	
Cerro Cal¡n	MT14	Metropolitana	33.3960S	70.5360W	855	From 2017-08-01
Cerro Castillo	GO09	Magallanes,Chile	51.2707S	72.3381W	372	
Cerro-Chispas-Manabi	CHIS	Ecuador	1.0493S	80.7260W	324	From 2006-11-10
Cerro Coronel	ACCO	San Juan,Argentina	30.5877S	69.0653W	2792	
Cerro de Hojas	HOJA	Ecuador	1.0505S	80.5460W	500	From 1993-01-22
Cerro de Hula	CHUH	Honduras	13.9417N	87.2333W	1720	
Cerro de Hule	HLH	Honduras	13.8375N	87.2583W	0	From 1990-07-01
Cerro del Durazano	CDN	New Mexico,U.S.A.	35.4546N	107.3480W	2591	From 1976-01-01
Cerro de Montevideo	MVDC	Uruguay	34.8880S	56.2590W	0	From 2016-06-09
Cerro de Muerte	CDM	Costa Rica	9.5537N	83.7637W	3494	From 1984-03-07
Cerro de Punta	CDPB	Puerto Rico	18.1700N	66.5900W	1300	
Cerro de Punta	CDP	Puerto Rico	18.1751N	66.5913W	1300	From 1975-07-30
Cerro Diablo	CEDI	Venezuela	7.6540N	71.8850W	900	From 1984-01-01
Cerro El Oso	CEOS	Venezuela	9.0299N	68.3434W	404	From 1986-12-01
Cerro El Roble	MT07	Santiago	32.9760S	71.0156W	2234	From 2014-01-10
Cerro El Roble	ELRO	Santiago,Chile	32.9753S	71.0153W	2185	
Cerro Encantado	CEO	Oaxaca,Mexico	16.2333N	97.0183W	3000	
Cerro Gallo	CGAC	Costa Rica	10.0310N	84.4757W	1300	From 1996-01-01
Cerro Gallo 2	CGA2	Costa Rica	10.0162N	84.4655W	1200	
Cerro Gordo	CGVM	Mexico D.F.,Mexico	19.7500N	98.8293W		
Cerro Gordo	CGO	California,U.S.A.	36.5504N	117.8029W	2795	
Cerro Jefe	JEF	Panama	9.2188N	79.3738W	977	
Cerro Kenedy	KENC	Colombia	11.1108N	74.0477W	2560	
CERRO LA CRUZ	ACLC	La Rioja,Argentina	29.4255S	66.9520W	1650	From 1993-06-19
Cerro la Pandura	CPD	Puerto Rico	18.0368N	65.9151W	385	From 1975-07-30
Cerro Moro	ELMO	Venezuela	8.0131N	71.7169W	2100	From 1984-01-01
Cerron	CERV	Venezuela	10.3112N	70.6742W	1730	
Cerronegro	CEN	San Juan,Argentina	31.5758S	68.7542W	900	
Cerro Negro	ECEN	Ecuador	0.8238N	77.9713W	4230	From 1992-03-29
Cerro Negro	CENE	Venezuela	7.7639N	71.3228W	400	From 1984-01-01
Cerro Negro	CNGN	Nicaragua	12.5000N	86.6985W	515	
Cerro Pandura	CPDB	Puerto Rico	18.0600N	65.8600W	370	
Cerro Paranal	CPN1	Antofagasta,Chile	24.6259S	70.4040W	2600	From 2003-03-16
Cerro Prieto	CPBX	Baja California,Mexico	32.4194N	115.3046W	194	From 1981-10-02
Cerro San Cristobal	SCRT	Spain	36.6350N	6.1750W	73	
Cerro Sombrero	MG02	Magallanes	52.7808S	69.2242W	82	From 2014-12-20
Cerro Tablazo, Cundinamarca	CTAB	Colombia	5.0113N	74.2043W	3500	From 2010-11-06
Cerro Tigre, Buenos Aires de Puntarenas	TIG2	Costa Rica	9.0284N	83.2969W	580	From 1984-04-01
Cerro Toribio	GTV	Venezuela	7.6083N	63.1017W	380	
Cerro Valdivia	VAA	San Juan,Argentina	31.8617S	68.5412W	734	
Cerro Valdivia	RTCV	San Juan,Argentina	31.8622S	68.5402W	670	
Cerro Verde	CEVE	El Salvador	13.8278N	89.6240W	2035	From 2012-07-31
Cerro Villicun	RTLL	San Juan,Argentina	31.3292S	68.4748W	690	
Cervenica-Dubnik	CRVS	Slovakia	48.9022N	21.4614E	476	
Cesaproba (Montereale)	RM10	Italy	42.5090N	13.1864E	951	From 2009-04-07 to 2010-02-15
Cescau	CESL	Aquitaine,France	43.4019N	0.5319W	220	
Cesi	CESX	Italy	42.6100N	12.5800E	380	From 2008-07-18
CESI - Serravalle di Chienti	CESI	Italy	43.0049N	12.9046E	840	From 2007-01-08
Ceska Rybna	RYBC	Czech Republic	49.8085N	16.0658E	473	From 2019-03-01
Cesky Krumlov	CKRC	Czech Republic	48.8199N	14.3095E	497	From 2013-08-01
Cesme	RFT3	Turkey	38.3307N	26.2997E	99	From 2017-06-17
eme	CESE	Turkey	38.3306N	26.2996E	95	From 2011-07-26
Cessapalombo	CSP1	Italy	43.0918N	13.2048E	1188	From 2006-07-12
Cesta pri Krskem	CESS	Slovenia	45.9734N	15.4631E	382	From 1996-12-01
Cetraro	CET2	Italy	39.5288N	15.9546E	675	From 2011-12-01
Ceuta	CEUT	Ceuta,Spain	35.8830N	5.3263W	100	
Ceuta	CEU	Spain	35.8987N	5.3731W	0	
Ceuta	ECEU	Spain	35.8978N	5.3768W	278	From 2007-04-11
Cevo	CEME	Montenegro	42.5467N	18.9177E	799	From 2010-11-01
Ceyhan	CEYT	Turkey	37.0100N	35.7480E	100	
CF01	CF01	Romania	46.7700N	26.3950E	242	
CF02	CF02	Romania	46.5120N	26.6490E	88	
CF04	CF04	Romania	46.7470N	27.6600E	265	
CF05	CF05	Romania	46.3070N	27.2990E	222	
CF06	CF06	Romania	46.3120N	27.5790E	140	
CF07	CF07	Romania	46.1600N	27.6590E	130	
CF08	CF08	Romania	45.9680N	27.3820E	132	
CF09	CF09	Romania	45.8800N	27.8570E	222	
CF10	CF10	Romania	45.6760N	28.0040E	117	
CF11	CF11	Romania	45.3080N	27.8290E	60	
CF13	CF13	Romania	45.5750N	27.5430E	59	
Chaam	CHA1	Netherlands	51.5043N	4.9212E	-28	From 2011-06-09
Chaam	CHA4	Netherlands	51.5043N	4.9212E	-100	From 2011-06-09
Chaam	CHA3	Netherlands	51.5043N	4.9212E	-76	From 2011-06-09

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Chaam	CHA5	Netherlands	51.5043N	4.9212E	-121	From 2011-06-09
Chaam	CHA2	Netherlands	51.5043N	4.9212E	-52	From 2011-06-09
Chabahar	CHBR	Iran	25.5950N	60.4820E	125	From 2009-10-23
Chacachacare	TCE	Trinidad and Tobago	10.6970N	61.7530W	240	
Chacalluta	AP01	Arica y Parinacota,Chile	18.3708S	70.3419W	21	From 2013-11-16
Chacarita	CCR	Buenos Aires,Argentina	34.5833S	58.4667W		
Chadak	CHDK	Uzbekistan	40.9721N	70.7522E	1001	
Cha da Macela	CMLA	Azores,Portugal	37.7637N	25.5243W	332	
Cha da Macela	CML	Azores,Portugal	37.7708N	25.5459W	291	From 1981-01-01
Chadas Angostura	CHCH	Santiago,Chile	33.9333S	70.6525W	680	From 1982-01-01
Chaffey Accelerograph	CHAM	New South Wales,Australia	31.3497S	151.1379E	553	
Chaffey Dam	CHFM	New South Wales,Australia	31.3265S	151.1164E	580	
Chagan-Uzun	CUR	Altayskiy Kray,Russia	50.1000N	88.3500E	1500	
Chagda	CGD	Sakha,Russia	58.7500N	130.6167E	178	
Chaguaramas	TCHG	Trinidad and Tobago	10.6800N	61.6600W	21	From 2004-07-03
Chagyl	CAGT	Turkmenistan	40.7820N	55.3860E	144	
Chai village, A0805	M0805	Mozambique	22.6348S	33.2637E	93	
Chaix Hills	CHX	Alaska,U.S.A.	60.0630N	141.1170W	1067	From 1974-09-04
Chaiyaphum	CHAI	Thailand	15.9018N	101.9864E	199	
Chakachamna Lake	CKL	Alaska,U.S.A.	61.1965N	152.3380W	1265	From 1989-01-01
Chakachatna North	CKN	Alaska,U.S.A.	61.2240N	152.1810W	735	From 1991-08-19
Chakachatna North Broadband	SPCN	Alaska,U.S.A.	61.2250N	152.1832W	735	
Chakrata	CKA	Himachal Pradesh,India	30.7187N	77.8659E	1990	From 2007-05-01
Chala	CHAG	Georgia,Georgia	42.7279N	42.0265E	305	From 1973-01-01
Chala	CLA	Peru	15.8603S	74.2433W	32	
Chalampe	CHAF	Alsace,France	47.8122N	7.5403E	-285	
Chalets d'Iraty - Larrau, Pyrenees-Atlantique, France	IRAF	Aquitaine	43.0335N	1.0371W	1410	From 2017-05-01
Chalet Vouargne Bourlo, Wallis, VS	ILLEZ	Switzerland	46.2193N	6.9404E	1395	From 2017-12-05
Chalhuanca	PP08	Peru	14.2883S	73.2447W	3000	
Chalkas	S004	Greece	37.3610N	21.8640E	813	
Chalkias	S104	Greece	37.3660N	21.8590E	654	
Chalk River	CKO	Ontario,Canada	45.9944N	77.4500W	191	From 1981-01-12
Chalk River	CRLO	Ontario,Canada	46.0375N	77.3801W	168	
Chalk River	CHRO	Ontario,Canada	46.0376N	77.3794W	180	From 2018-10-17
Chalk Rock	KCRM	California,U.S.A.	40.4263N	123.8190W	896	
Challavanipeta	CHLP	Andhra Pradesh,India	18.5058N	84.0573E	55	From 2008-09-01
Challis	H13A	Idaho,U.S.A.	44.5642N	114.2545W	1563	From 2006-12-30 to 2009-05-22
Challis	CL-ID	Idaho,U.S.A.	44.4911N	114.3417W	2256	From 1966-05-23 to 1966-05-24
Challis	CL-	Idaho,U.S.A.	44.4911N	114.3417W	2256	From 1966-05-23 to 1966-05-24
Challis, ID, 7.5 mi N off of Rte 93	ID02	Idaho,U.S.A.	44.6048N	114.1845W	1476	From 2014-04-17 to 2014-09-24
Chama	CNM	New Mexico,U.S.A.	36.9167N	106.5690W		
Chamberlain	CBC	California,U.S.A.	36.9314N	121.6618W	200	From 1969-01-01
Chamberlain	HCBM	California,U.S.A.	36.9314N	121.6618W	200	From 1969-01-01
Chamberlain Mountain	CHMT	Montana,U.S.A.	46.9143N	113.2520W	2077	
Chamberlain Ridge	GCBM	California,U.S.A.	39.3838N	123.5210W	560	
Chambon-Foret	CLF	Centre,France	48.0258N	2.2600E	145	
Chamela	CJM	Jalisco,Mexico	19.4994N	105.0439W	88	From 1994-03-19
Cham-Katzbach	CHKA	Bayern,Germany	49.2410N	12.6498E	276	From 2004-06-01
Champ du Feu	CDF	Alsace,France	48.4122N	7.2761E	1068	From 1972-11-22
Champion	E42A	Michigan,U.S.A.	46.4301N	87.9140W	475	From 2011-09-10 to 2013-06-09
Champorcher	CIRO	Italy	45.6019N	7.5682E	2516	From 2009-11-07
Chanaral	CAA	Atacama,Chile	26.3303S	70.6139W	2	From 1977-01-01
Chanarkot	CKP	Pakistan	34.0227N	72.7733E	1195	
Chanca	CNCB	Bolivia	16.8127S	67.9821W	4325	From 1982-01-01
Chanco	CNCO	Maule,Chile	35.7349S	72.5330W	50	From 2004-11-17
Chandalar	E23K	Alaska,U.S.A.	68.0584N	149.6163W	1084	From 2016-06-26
CHANDIGARH	CGRH	Punjab	30.7330N	76.7790E	334	From 2018-02-28
Changalane	CNG	Mozambique	26.2917S	32.1883E	100	From 1961-01-01
Changbin	ECBN	Taiwan region	23.3163N	121.4512E	63	From 2015-05-19
Changchun	CN2	Jilin,China	43.8014N	125.4480E	230	From 1976-10-15
Changchun	HSK	Jilin,China	43.9167N	125.3000E	250	
Changchun	CNH	Jilin,China	43.8292N	125.3130E	236	From 1976-10-15 to 1999-08-25
Changhua City	WCH	Taiwan region	24.0820N	120.5570E	17	From 1999-08-04
CHANGNYEONG	KSCHR	Republic of Korea	35.5440N	128.4907E	105	From 2006-12-30
ChangSha	CNSH	Hunan,China	28.1819N	112.9311E	86	From 2009-01-01
Changuinola	CNI	Panama	9.4167N	82.5168W	20	From 1993-04-18
Changyeh	CYEH	Gansu,China	38.9333N	100.5833E	0	From 1955-01-01
Chania	CH01	Crete,Greece	35.5169N	24.0206E	1	From 2011-09-15
Chania	CHAN	Crete,Greece	35.5192N	24.0425E	34	From 2006-12-01
Chania	CH02	Crete,Greece	35.5144N	24.0315E	11	From 2011-09-15
Chaniotis	PLN1	Greece	39.9976N	23.5729E	17	From 2014-10-15
Chanki	CHKI	Nagaland,India	26.4292N	94.3983E	950	
Channel	CHNM	Missouri,U.S.A.	36.0419N	89.9286W	74	
Channing	V28A	Texas,U.S.A.	35.7505N	102.2243W	1163	From 2009-01-17 to 2010-11-10
Chantaburi	CHAT	Thailand	12.5167N	102.1667E	22	From 1996-05-01
Chapadao do Sul	C2SB	Mato Grosso	18.7688S	52.8377W	150	
Chapadao Do Sul	CDSB	Mato Grosso,Brazil	18.7655S	52.8393W	750	
Chapalita	GDLP	Jalisco	20.6825N	103.4422W	1665	
Chaparral, Anthony	223A	New Mexico,U.S.A.	32.0062N	106.4276W	1232	From 2008-03-28 to 2010-01-16
Chaparral Prairie Nature Preserve	CPOH	Ohio	38.8411N	83.5765W	307	From 2019-09-05 to 2500-12-31
Chaparral WMA, Artesia Wells	833A	Texas,U.S.A.	28.3236N	99.3939W	171	From 2009-12-04
Chapeco	CHAP	Brazil	27.1906S	53.0666W	476	From 2017-09-06 to 2099-12-12
Chapelcross	BCC1	Scotland,United Kingdom	55.0153N	3.2201W	138	From 1992-01-01
Chapel Hill	CHC	North Carolina,U.S.A.	35.9028N	79.0506W	149	From 1953-01-01 to 1970-12-31
Chapel Hill	CEH	North Carolina,U.S.A.	35.8908N	79.0928W	152	From 1975-08-01 to 2004-03-05
Chapleau	D47A	Ontario,Canada	47.0558N	83.1038W	498	From 2012-10-25
Chaplin	CPL	Connecticut,U.S.A.	41.7890N	72.1072W	161	From 1972-01-19 to 1974-07-23
Chapman	Q34A	Kansas,U.S.A.	38.9214N	96.9408W	378	From 2010-05-09 to 2012-03-17
Chapri	CPA	Pakistan	32.9805N	71.4237E	335	
Chaqaral	CRCH	Atacama,Chile	26.3455S	70.6214W	10	From 2004-07-30
Chara	CRS	Irkutskaya Oblast',Russia	56.9000N	118.2689E	700	
Charan	CHTH	Iran	35.9080N	51.1260E	2250	From 2005-10-01
Chargali	CHRG	Georgia	42.3293N	44.9260E	1339	From 2017-08-04
Charing Cross	ESND	South Island	43.5314S	172.1142E	165	
Charing Cross, DAR7	DARN7	South Island	43.5938S	172.1592E	118	
Charjew	CHDS	Turkmenistan	39.0750N	63.5930E	190	
Charlesbourg	CHQ	Quebec,Canada	46.8897N	71.3000W	145	From 1971-11-11 to 1982-07-04
Charleston	CHRM	Missouri,U.S.A.	36.8515N	89.3621W	93	
Charleston Southern University	CSU	South Carolina,U.S.A.	32.9860N	80.0707W		
Charley	NYC	Nevada,U.S.A.	37.1550N	116.1550W	1695	From 1971-01-01 to 1973-01-31
Charley River, AK	J26K	Alaska	64.5654N	143.7990W	1187	From 2015-08-25
Charlottesville	CVV	Virginia,U.S.A.	37.9814N	78.4608W	167	From 1978-07-01
Charlottesville	CLT	Virginia,U.S.A.	38.0333N	78.5167W	150	From 1973-01-01 to 1973-12-31
Charlottesville	CTV	Virginia,U.S.A.	38.0326N	78.5228W	264	From 1973-07-04 to 1974-01-31
Charlottesville	CVVA	Virginia,U.S.A.	38.0218N	78.5321W	159	
Charlottesville	CVL	Virginia,U.S.A.	37.9814N	78.4608W	167	From 1978-07-01
Charly	CHAR	Ecuador	0.0867S	77.6708W	3315	From 2005-06-17
Charmoille	CHMF	Franche Comte,France	47.2483N	6.6517E	854	From 2010-12-01
Charnwood Forest	CWF	England,United Kingdom	52.7383N	1.3072W	186	From 1974-10-18
Charter Oak	COKM	Missouri,U.S.A.	36.7101N	89.7262W	87	
Charters Towers	CTAO	Queensland,Australia	20.0883S	146.2540E	357	From 1976-10-09
Charters Towers	CTA	Queensland,Australia	20.0883S	146.2540E	357	From 1957-09-15
Charvak	CHRV	Uzbekistan	41.6409N	69.9511E	821	
Chase Mountain	VCMM	Oregon,U.S.A.	42.0955N	121.9890W	1889	
Chase Ranch	AN6*	California,U.S.A.	36.9577N	121.5840W	241	From 1967-10-05
Chase Ranch	HCRM	California,U.S.A.	36.9577N	121.5840W	241	From 1967-10-05
Chase Ranch	CSR	California,U.S.A.	36.9577N	121.5840W	241	From 1967-10-05
Chassal, 39113, Jura, Bourgogne-Franche-Comte	A214A	France	46.3620N	5.8003E	476	From 2016-07-21
Chassel	D41A	Michigan,U.S.A.	47.0605N	88.5657W	271	From 2011-09-11 to 2013-11-26
Chateau	CNZ	North Island,New Zealand	39.1982S	175.5480E	1116	From 1959-12-15 to 2006-01-04
Ch¢teau-dOex, salle de spectacle VD	SCOD	Switzerland	46.4705N	7.1288E	923	From 2016-04-01
chteau de Saumane	SAUF	Provence-Cote d'Azur,France	43.9377N	5.1064E	230	From 2012-07-03
Chateau-d'Oleron - 17093 - Charente-Maritime, France	LNIO	Poitou-Charentes	45.8986N	1.2028W	7	From 2016-05-06
chteau la Rivire	LRVF	Aquitaine,France	44.9478N	0.3100W	75	From 2011-03-25
Chateau Observatory	COVZ	North Island,New Zealand	39.1999S	175.5424E	1069	From 1998-03-25
CHATHAM INFRASONIC ARRAY REFERENCE POINT	I36NZ	Chatham Islands,New Zealand	43.9166S	176.4834W	14	From 2004-11-09
Chatham Island	CTZ	Chatham Islands,New Zealand	43.7355S	176.6172W	99	From 2007-12-18
Chatham Islands	CIZ	Chatham Islands,New Zealand	43.9550S	176.5660W	45	From 1932-08-01 to 2003-08-15
Ch¢tillon, cole, FR	SCHAT	Switzerland	46.8315N	6.8353E	505	From 2017-10-31

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Chatra	CHA	Nepal	26.8333N	87.1667E	161	
Chats Falls	CFO	Ontario,Canada	45.4692N	76.2292W	70	From 1977-10-06 to 1979-02-16
Chaudanne	CHDN	Provence-Cote d'Azur,France	43.8481N	6.5408E	740	From 1993-09-01
Chaumont	CHAU	New York,U.S.A.	44.1375N	76.1742W	102	
Chauvay	CHVK	Kyrgyzstan	40.1333N	72.2167E	1760	From 1978-07-01 to 2010-05-31
Chauvin	645A	Louisiana,U.S.A.	29.4573N	90.5966W	1	From 2011-03-12 to 2012-12-09
Chavao	TCHA	Canary Islands	28.2198N	16.7054W	2073	From 2016-11-08
Chavriata, Kefallonia	CHV1	Greece	38.1834N	20.3818E	0	From 2014-01-28
CHBT	CHBT	Thailand	12.7526N	102.3300E	4	From 2008-10-22
Cheb	CHE	Czech Republic	50.0794N	12.3761E	430	
Chebaa	SHBL	Lebanon	33.3483N	35.7438E	1422	From 2011-10-01
Cheddleton UK	CHDUK	England,United Kingdom	53.0675N	2.0425W	151	From 2010-03-24
Cheesecote Mountain, Pomona, NY	CMNY	New York,U.S.A.	41.2039N	74.0469W	291	From 2014-08-01
Chefchaouen	CHEFC	Morocco	35.1070N	5.3400W	925	
Chegdomyn	CHMR	Khabarovskiy Kray	51.1370N	133.0400E	500	From 2009-08-07
Cheisacher	SULZ	Switzerland	47.5275N	8.1115E	670	From 2000-08-29
Chekchek	ICHK	Iran	32.2442N	54.4073E	2030	From 1998-10-01
Chekok	CKK	Alaska,U.S.A.	59.9597N	154.2330W	732	From 1972-07-29 to 1978-09-09
Chelan Butte	CBW	Washington,U.S.A.	47.8071N	120.0330W	1160	
Chelan Butte South	CBSW	Washington,U.S.A.	47.8046N	120.0410W	1073	From 1987-01-01
Chelinda	CHEL	Malawi	10.5869S	33.8097E	2194	From 2014-07-16 to 2015-11-04
Cheltenham	CLH	Maryland,U.S.A.	38.7347N	76.8458W		From 1904-11-01 to 1928-12-31
Chemainus	AHCB	British Columbia,Canada	48.9325N	123.7373W	0	From 2004-04-17
Chemehuevi Mountains	CMH	California,U.S.A.	34.5530N	114.5720W	940	From 1975-02-01
Chemin du LacGrosbois, Trois-Rives	D58A	Quebec,Canada	47.0954N	72.8826W	398	From 2013-08-16
Chemin Saint Guillaume, Saint Donat	E57A	Quebec,Canada	46.4117N	74.1471W	572	From 2013-08-06
Chemin Vers le Barrage, Saint-Michel-Des-Saints	D57A	Quebec,Canada	47.0172N	73.8878W	422	From 2013-08-18
Cheneyville 1850, Columbus	T37A	Kansas,U.S.A.	37.1230N	94.9176W	256	From 2010-05-20 to 2012-03-01
Chengdu	CD2	Sichuan,China	30.9100N	103.7580E	628	
Chengdu	CNU	Sichuan,China	30.6603N	104.0110E	506	
Chengdu	CDU	Sichuan,China	30.6603N	104.0110E	506	
Chenggong	CHKH	Taiwan region	23.1917N	121.3957E	7	From 2017-10-06
Chengkung	CHKT	Taiwan region	23.0992N	121.3654E	33	
Chenhua	TWY	Taiwan region	25.2758N	121.5996E	20	From 1975-01-10
Chennai	MDRS	Tamil Nadu,India	13.0680N	80.2463E	15	
Cheonan	KSCEA	Republic of Korea	36.8231N	127.2575E	179	From 2004-12-10
Cheongdo	CGDA	Republic of Korea	35.6627N	128.6704E	124	From 2018-03-09
Cheongil	CGIA	Republic of Korea	37.5822N	128.1527E	336	From 2018-03-09
CHEONGJU	KSCEJ	Republic of Korea	36.6351N	127.4390E	57	From 2000-11-21
Cheongsando	CSDB	Republic of Korea	34.1808N	126.8953E	-76	From 2016-12-16
Cheongsan-myeong	OKCB	Republic of Korea	36.3461N	127.7941E	61	From 2012-12-04
CHEONGSONG	KSCHS	Republic of Korea	36.3918N	129.0794E	236	From 2006-12-30
Cheongyang	CGYA	Republic of Korea	35.0260N	126.8264E	36	From 2018-03-09
Cheorwon	KSCHW	Republic of Korea	38.1404N	127.3038E	154	From 2000-01-20 to 2002-11-28
Cheorwon	KSCWO	Republic of Korea	38.0833N	127.5167E	351	From 2003-11-30
Chepes	ACHE	La Rioja,Argentina	31.1610S	66.6637W	1470	
Chepo, Panama	CHPO	Panama	9.1700N	79.1150W	16	From 2010-01-01
Chera	ECHE	Spain	39.5908N	0.9678W	643	From 1986-11-01
Cherat	CEP	Pakistan	33.8235N	71.9090E	1376	
Cherat	CHER	Pakistan	33.8000N	71.9000E	1300	From 2011-03-15
Cheremushki	CERR	Khakassia,Russia	52.8539N	91.4150E	400	
Chernabura Island	CHNA	Alaska	54.8310N	159.5895W	71	From 2013-06-27
Chernabura Island	CNBA	Alaska,U.S.A.	54.8200N	159.5887W	94	From 1993-06-01
Chernivtsi	CHRU	Carpathian Mountains	48.2975N	25.9217E	240	From 1992-09-01
Chernovtsy	CRA	Carpathian Mountains	48.2833N	25.9333E	242	
Chernovtsy (B)	CRB	Carpathian Mountains	48.3000N	25.9333E		
Chernyshevskiy	YCRN	Sakha,Russia	63.0212N	112.4862E	319	From 2011-07-14
Cherokee Point, Campobello	W54A	South Carolina,U.S.A.	35.0857N	82.1859W	272	From 2013-02-15
Cherry Point	CPC	North Carolina,U.S.A.	34.9000N	76.8833W		From 1950-01-01 to 1956-12-31
Cherskiy	CES	Magadanskaya Oblast',Russia	68.7000N	161.2000E		
Chertsey	CCH5	South Island	43.7827S	171.9223E	132	
Chesbro Res.	JCBM	California,U.S.A.	37.1118N	121.6890W	192	From 1967-08-24
Chesbro Res. 1	CB1	California,U.S.A.	37.1638N	121.6258W		
Chesbro Res. 3	CB3	California,U.S.A.	37.2590N	121.6735W	329	
Chesbro Res. 4	CB4	California,U.S.A.	37.3493N	121.5327W		
Chesbro Res. 5	CB5	California,U.S.A.	37.2852N	121.7725W		
Chesbro Res. 6	CB6	California,U.S.A.	37.4513N	121.7990W	240	
Chesbro Res. 8	CB8	California,U.S.A.	37.1588N	121.8470W	280	
Chesbro Reservoir	CBO	California,U.S.A.	37.1118N	121.6890W	192	From 1967-08-24
Cheshme madani	CHMN	Iran	29.8608N	57.5396E	2923	From 2010-05-05
Cheshme Sefid, Kermanshah	KCHF	Iran	34.2750N	47.0404E	1714	
Chester	O04C	California,U.S.A.	40.3200N	121.0860W	1513	From 2005-05-25 to 2007-11-27
Chester	J61A	Vermont,U.S.A.	43.3462N	72.5535W	253	From 2013-09-06
Chesterland	M52A	Ohio,U.S.A.	41.5405N	81.3570W	382	From 2013-01-17
Chesterland	CCHE	Ohio,U.S.A.	41.5612N	81.3620W	365	
Chestnut Mountain	CMGA	Georgia,U.S.A.	34.6290N	85.0340W	478	
Cheticamp, Nova Scotia	CHEG	Nova Scotia,Canada	46.8084N	60.6745W	446	From 2005-10-19
Chet-Su	CHET	Uzbekistan	41.0600N	70.2400E	1136	
Chetwynd	CTC	British Columbia,Canada	55.6417N	121.7500W		From 1967-12-01 to 1973-04-06
Cheung Chau	CCHK	Hong Kong,China	22.2013N	114.0267E	73	
Chews Ridge	BCWM	California,U.S.A.	36.3067N	121.5660W	1518	
Cheyenne	M24A	Wyoming,U.S.A.	41.4676N	104.8248W	1816	From 2008-07-14 to 2010-05-11
Cheyenne	CY-WY	Wyoming,U.S.A.	41.4167N	104.8600W	1920	From 1962-07-06 to 1962-07-11
Cheyenne	CY-	Wyoming,U.S.A.	41.4167N	104.8600W	1920	From 1962-07-06 to 1962-07-11
Chiang Mai	CMMT	Thailand	18.8128N	98.9480E	399	From 2008-12-01
Chiang Mai	CHTO	Thailand	18.8138N	98.9438E	316	From 1977-06-01
Chiang Mai	CHG	Thailand	18.8138N	98.9438E	416	From 1963-03-01
Chiang Mai Array Beam Reference Point	CMAR	Thailand	18.4575N	98.9429E	307	
Chiang Mai Array Site 1	CM01	Thailand	18.4205N	98.9588E	292	
Chiang Mai Array Site 10	CM10	Thailand	18.4298N	99.0019E	341	
Chiang Mai Array Site 11	CM11	Thailand	18.3756N	98.9604E	320	
Chiang Mai Array Site 12	CM12	Thailand	18.4061N	98.9254E	330	
Chiang Mai Array Site 13	CM13	Thailand	18.4211N	98.9069E	303	
Chiang Mai Array Site 14	CM14	Thailand	18.4361N	98.9136E	322	
Chiang Mai Array Site 15	CM15	Thailand	18.4524N	98.9245E	324	
Chiang Mai Array Site 16	CM16	Thailand	18.4575N	98.9429E	358	
Chiang Mai Array Site 17	CM17	Thailand	18.4577N	98.9624E	325	
Chiang Mai Array Site 18	CM18	Thailand	18.4610N	98.9830E	314	
Chiang Mai Array Site 2	CM02	Thailand	18.4344N	98.9466E	305	
Chiang Mai Array Site 3	CM03	Thailand	18.4263N	98.9762E	304	
Chiang Mai Array Site 31	CM31	Thailand	18.4575N	98.9429E	306	
Chiang Mai Array Site 32	CM32	Thailand	18.6533N	98.8469E	292	
Chiang Mai Array Site 33	CM33	Thailand	18.8177N	98.9466E	358	
Chiang Mai Array Site 34	CM34	Thailand	18.8511N	99.1498E	315	
Chiang Mai Array Site 35	CM35	Thailand	18.6781N	99.1539E	283	
Chiang Mai Array Site 36	CM36	Thailand	18.5182N	99.0954E	310	
Chiang Mai Array Site 4	CM04	Thailand	18.3997N	98.9789E	336	
Chiang Mai Array Site 5	CM05	Thailand	18.4013N	98.9451E	336	
Chiang Mai Array Site 6	CM06	Thailand	18.4156N	98.9406E	332	
Chiang Mai Array Site 7	CM07	Thailand	18.4337N	98.9304E	302	
Chiang Mai Array Site 8	CM08	Thailand	18.4453N	98.9577E	295	
Chiang Mai Array Site 9	CM09	Thailand	18.4439N	98.9908E	345	
Chiangrai	CHRT	Thailand	19.8709N	99.7827E		From 1996-07-01
Chiangrai	CRAI	Thailand	20.2289N	100.3734E	356	
Chiapa de Corzo	CZC	Chiapas,Mexico	16.7120N	93.0200W	418	
Chiapas	PENM	Chiapas,Mexico	17.4360N	93.5280W		
Chiapas	UJZ	Chiapas,Mexico	15.0750N	92.0833W		
Chiapas	PORM	Chiapas,Mexico	17.1790N	93.3950W		
Chiapas	SIPM	Chiapas,Mexico	17.2230N	93.1570W		
Chiapas	VGP	Chiapas,Mexico	17.3572N	93.6140W		
Chiapas	MARM	Chiapas,Mexico	17.2180N	92.6930W		
Chiapas	LIBM	Chiapas,Mexico	17.2940N	93.0120W		
Chiapas	BJU	Chiapas,Mexico	16.8768N	93.1791W		
Chiapas	ARL	Chiapas,Mexico	17.4120N	93.1180W		
Chiapas	ZZA	Chiapas,Mexico	15.1333N	92.3167W		
Chiapas	TANM	Chiapas,Mexico	16.9190N	93.1150W		
Chiapas	PAY	Chiapas,Mexico	17.4717N	93.4913W		
Chiaravalle Centrale	CHCE	Italy	38.6840N	16.4142E	550	From 2017-03-31
Chiautla de Tapia	CHPM	Puebla,Mexico	18.2986N	98.6132W	1030	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Chiavari	CHV	Italy	44.3153N	9.3236E		
Chiawan	TWD	Taiwan region	24.0800N	121.5960E	30	From 1972-09-25
Chiayi	CHY	Taiwan region	23.4977N	120.4240E	27	
Chibit, Altay Republic, Russia	CHBI	Altayskiy Kray,Russia	50.3132N	87.5034E	1164	From 2003-08-12
Chibotane	CBTN	Mozambique	23.8405S	32.1843E	154	
Chibougamau	CHGQ	Quebec,Canada	49.9105N	74.3748W	405	From 2007-10-11
CHIBUNGA	CHIB	Ecuador	0.1010S	79.8157W	176	From 2016-04-19
Chicago	CHK	Illinois,U.S.A.	41.7889N	87.5992W	180	From 1918-01-01 to 1967-12-31
Chicago	CGI	Illinois,U.S.A.	41.9800N	87.7183W		
Chicago-Loyola	CHI	Illinois,U.S.A.	41.9000N	87.6333W	183	From 1912-09-01
Chichaoua	CIA	Morocco	31.5650N	8.7590W	473	
Chichibu	CHJ	Saitama,Japan	35.9917N	139.0820E	219	
Chichibu	CHJJ	Saitama,Japan	36.0483N	138.9950E	187	From 1978-01-01
Chichijima	JCJ	Bonin Islands,Japan	27.0955N	142.1846E	164	From 2008-11-28
Chichi jima	CBI	Bonin Islands,Japan	27.0897N	142.1883E	3	From 1975-01-01
Chichi jima	CBIJ	Bonin Islands,Japan	27.0957N	142.1845E	145	
Chichilianne, 38103, Isere, Auvergne-Rhone-Alpes	A186A	France	44.7932N	5.5891E	978	From 2016-04-20
Chichinautzin	CHVM	Mexico D.F.,Mexico	19.0873N	99.1473W	3213	
Chichi shima	TTZ	Bonin Islands,Japan	27.0833N	142.1830E		
Chicken	K27K	Alaska,U.S.A.	64.0292N	142.0758W	389	From 2014-06-20
Chiclayo	CHP8	Peru	6.7650S	79.8650W	60	From 1982-08-01
Chico	CCO	California,U.S.A.	39.0642N	121.0090W	60	From 1972-02-23
Chicoasen	CSN	Chiapas,Mexico	16.9690N	93.1080W	320	
Chicoasen 1	CR1	Chiapas,Mexico	17.0453N	93.1152W	1200	
Chicoasen 2	CR2	Chiapas,Mexico	16.8850N	92.9580W	1743	
Chicoasen 3	CR3	Chiapas,Mexico	16.8143N	92.9547W	1200	
Chicoasen 4	CR4	Chiapas,Mexico	16.7172N	93.0748W	900	
Chicoasen 5	CR5	Chiapas,Mexico	16.8168N	93.1188W	1300	
Chicoasen 6	CR6	Chiapas,Mexico	16.9582N	93.2260W	1700	
Chicoasen 7	CR7	Chiapas,Mexico	17.2330N	93.1700W	1750	
Chicoutimi	CIQ	Quebec,Canada	48.2723N	70.7908W	273	
Chicoutimi-Nord	CHIQ	Quebec,Canada	48.4900N	71.0100W	0	From 1984-09-21
Chidago Canyon	MCDM	California,U.S.A.	37.5480N	118.4434W	1411	
Chidenguele, A3A19	M3A19	Mozambique	24.9242S	34.1887E	112	
Chidliak Camp Nunavut	CDKN	Northwest Territories,Canada	64.2348N	66.3440W	65	From 2009-08-20
Chieng Khoang	CKVB	Vietnam	21.5637N	103.6875E	337	
Chieng Lao	CLVV	Vietnam	21.6130N	103.9368E	237	
Chiengmai2	CMAI	Thailand	19.9325N	99.0453E	1502	
Chiesa Nuova, Poggio Renatico (FE)	CAS08	Italy	44.7726N	11.4322E	11	From 2012-05-22
Chiesuol del Fosso FE	T0820	Italy	44.7912N	11.5732E	7	From 2012-05-20 to 2012-07-09
Chifra	ACHIE	Ethiopia	11.5979N	40.0188E	938	
Chignik	CHGN	Alaska,U.S.A.	56.3014N	158.4142W	17	From 2011-08-10
Chigu Township	TSCK	Taiwan region	23.1470N	120.0860E	13	From 2002-11-06
Chihuahua	CHIX	Baja California,Mexico	32.4867N	115.2418W	15	From 1987-02-01
Chihuahua	CHH	Chihuahua,Mexico	28.6367N	106.0783W	1430	
CHI Itaipu Binacional	ITF6	Paraguay	25.1794S	54.6014W	308	From 1980-01-01
CHI Itaipu Binacional	VTF1	Parana,Brazil	25.4069S	54.4381W	259	From 1980-01-01
CHI Itaipu Binacional	ITF10	Parana,Brazil	24.7942S	54.2089W	463	From 1980-01-01
CHI Itaipu Binacional	ITF11	Paraguay	24.6469S	54.3886W	361	From 1980-01-01
CHI Itaipu Binacional	MOND	Paraguay	25.6147S	54.6003W	177	From 1980-01-01
CHI Itaipu Binacional	ITF4	Parana,Brazil	25.3103S	54.2555W	354	From 1980-01-01
Chijiwa	CJA	Nagasaki,Japan	32.7842N	130.2106E	88	
Chilao Flats	CFL	California,U.S.A.	34.3330N	118.0239W	1560	
Chilao Flat Sta	CHFC	California,U.S.A.	34.3334N	118.0259W	1594	
Chilbolton	CLB	England,United Kingdom	51.1436N	1.4328W	80	From 1976-05-01 to 1999-08-25
Childara	CHLD	Tajikistan	38.7700N	70.3000E	1700	
Childress 1	CEC	Texas,U.S.A.	34.5720N	100.3260W	548	
Childress 2	CNE	Texas,U.S.A.	34.5838N	100.3100W	555	
Childress 3	CNO	Texas,U.S.A.	34.5780N	100.3350W	562	
Childress 4	CNW	Texas,U.S.A.	34.5917N	100.3600W	540	
Childress 5	CSE	Texas,U.S.A.	34.5558N	100.3310W	521	
Childress 6	CSW	Texas,U.S.A.	34.5570N	100.3480W	546	
Childress 7	CWT	Texas,U.S.A.	34.5703N	100.3440W	549	
Childs Glacier	CSG	Alaska,U.S.A.	60.6610N	144.8550W	678	From 1984-01-01
Chilecito	CCT	La Rioja,Argentina	29.1667S	67.5000W		
Chileka	CLK	Malawi	15.6800S	34.9767E	781	
Chilgok	KSCIG	Republic of Korea	36.0386N	128.3832E	0	From 2007-12-17
Chili	H40A	Wisconsin,U.S.A.	44.6220N	90.3905W	372	From 2011-08-05 to 2013-06-08
Chilik	CHL	Kazakhstan	43.5270N	78.3740E	760	
Chillagoe	CHIL	Queensland,Australia	17.1505S	144.5306E	423	
Chillan	CCHI	Bio-Bio,Chile	36.6027S	72.0772W	123	
Chilliwack	A06A	British Columbia,Canada	49.0983N	121.4804W	576	From 2006-10-18 to 2008-05-21
Chilma	CHMA	Ecuador	0.8628N	78.0628W	2412	From 2014-10-31
Chiloquin, OR	K04D	Oregon,U.S.A.	42.6246N	121.7535W	1315	From 2009-10-13
Chilquin	K04A	Oregon,U.S.A.	42.6133N	121.7307W	1305	From 2006-05-23 to 2007-10-27
Chimachoy	CIM	Guatemala	14.5838N	90.8667W	2450	From 1975-03-01 to 1999-08-25
Chimala	CHML	Tanzania	8.8261S	34.0283E	1118	From 2013-08-07 to 2015-11-04
Chimborazo	CHIM	Ecuador	1.4203S	78.8614W	4100	From 1990-01-01 to 1991-12-31
Chimborazo	CHI1	Ecuador	1.4187S	78.8148W	4440	From 1992-02-13 to 2002-07-01
Chimborazo Volcano	PORT	Ecuador	1.4633S	78.7732W	4469	From 2007-03-22
Chimeneas	ACHM	Spain	37.1050N	3.8297W	862	
Chimeneas	EXCH	Spain	37.1320N	3.8240W	717	
Chimgan	CHMG	Uzbekistan	41.5500N	70.0100E	1428	
Chimiche	TCHI	Canary Islands	28.1295N	16.5302W	408	From 2016-10-28
Chimion	CHMI	Uzbekistan	40.2689N	71.5226E	645	
Chimkent	TCH	Kazakhstan	42.3190N	69.6030E		
Chimkent	CHM	Kazakhstan	42.3190N	69.6030E	512	
Chimney Peak	WCHM	California,U.S.A.	35.8830N	118.0750W	2475	
China Gardens	WCGM	California,U.S.A.	36.1900N	117.6240W	1689	From 1975-09-26
China Gardens South	CGSM	California,U.S.A.	36.1900N	117.6240W	1689	From 1975-09-26
China Grove, San Antonio	634A	Texas,U.S.A.	29.3815N	98.3515W	188	From 2009-12-06 to 2011-10-08
China Lake	CLC	California,U.S.A.	35.8158N	117.5975W	775	From 1949-07-08
China Lake	GPO	California,U.S.A.	35.6494N	117.6619W	705	
China Lake Receiver Site	WCXM	California,U.S.A.	35.7116N	117.5945W	654	
Chinandega	CHIN	Nicaragua	12.6430N	87.0270W	300	
China Poot	CNPM	Alaska,U.S.A.	59.5258N	151.2360W	564	
Chinchina	CHN	Colombia	4.9667N	75.6167W	1360	From 1949-08-01
Chingaza	CHIC	Colombia	4.6295N	73.7318W	3140	From 1994-01-01
Chingoma	CHGM	Mozambique	16.8531S	36.8383E	247	From 2010-05-25
Chin-men Tao	KNMB	Taiwan region	24.4638N	118.3884E	43	
Chino	CHNC	California,U.S.A.	33.9988N	117.6804W	208	
Chio	CHIO	Canary Islands,Spain	28.2398N	16.8162W	432	From 2004-05-27
Chios island	CHOS	Greece	38.3868N	26.0550E	842	From 2006-03-29
CHIPINGE	CHIPN	Zimbabwe	20.2334S	32.6466E	982	From 2013-02-25
Chirah Chowk	CHCP	Pakistan	33.6583N	73.2638E	579	
Chiredzi	CIR	Zimbabwe	21.0133S	31.5800E	430	
Chirikof Island	CHIA	Alaska,U.S.A.	55.8378N	155.5797W	250	
Chirikof Island	CHIR	Alaska,U.S.A.	55.8218N	155.6225W	203	From 2008-09-15
Chiripa	AR6	Costa Rica	10.4458N	84.9098W	1010	
Chiripa	CHPA	Costa Rica	10.4430N	84.9077W	1059	From 2000-01-01
Chiriqui, SCD2	SCD2	Costa Rica	8.4340N	82.4400W	70	
Chiriqui UPA, Chiriqui	CHIR3	Panama	8.3950N	82.3300W	57	From 2010-01-01
Chironico	CHIR1	Switzerland	46.4198N	8.8330E	800	From 2005-12-15
Chisagues Bielsa	ECHI	Spain	42.6646N	0.1946E	1450	From 2010-12-09
Chishang	ECS	Taiwan region	23.0953N	121.2192E	278	From 2015-05-19
Chistovodnoe	CHST	Sakhalinskaya Oblast',Russia	47.0220N	142.3080E	244	From 1990-01-09 to 1992-03-03
Chita	CIT	Chitinskaya Oblast',Russia	52.0211N	113.5519E	790	From 1970-01-01
Chita	CHIT	Bolivia	20.0756S	66.8851W	3862	From 1994-05-30 to 1995-05-10
Chita	CHTJ	Aichi,Japan	34.7303N	136.9066E	40	
CHITILA	GSMB	Romania	44.4813N	26.0273E	85	From 2008-10-30
Chitina Glacier	CTGM	Alaska,U.S.A.	60.9650N	141.3330W	1554	From 1979-09-05
Chitina, Valdez-Cordova	N25K	Alaska,U.S.A.	61.6061N	144.5982W	1087	From 2014-10-01
Chitipa	CPMW	Malawi	9.7057S	33.2692E	1272	From 2014-07-22 to 2015-11-04
Chitna Glacier	CTG	Alaska	60.9649N	141.3401W	1507	From 2010-06-18
Chitral	CHT1	Pakistan	35.9220N	71.8440E	1576	From 2009-08-20
Chitral	CHTL	Pakistan	35.8800N	71.7800E	1494	From 2007-10-10
Chitre	CHIT3	Panama	7.9563N	80.4177W	20	
Chittagong	CHT	Bangladesh	22.3500N	91.8167E	35	
Chitwood Farm, Usk	B10A	Washington,U.S.A.	48.2995N	117.2252W	585	From 2006-08-30 to 2008-06-11

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Chiusi della Verna (AR)	AR03	Italy	43.7681N	11.9176E	752	From 2011-05-26 to 2011-09-30
Chize	CHIF	France	46.1330N	0.4080W	62	
Chizu	CZT	Tottori,Japan	35.2695N	134.2936E	300	
Chkalov	CKLZ	Armenia	40.9350N	44.6510E	1410	
Chkalova array site	CHK9	Kazakhstan	53.6975N	70.6002E	132	From 1995-08-11
Chkalova array site	CHK4	Kazakhstan	53.6952N	70.6431E	131	From 1995-08-11
Chkalova array site	CHK5	Kazakhstan	53.6716N	70.6592E	136	From 1995-08-11
Chkalova array site	CHK6	Kazakhstan	53.6509N	70.6324E	148	From 1995-08-11
Chkalova array site	CHK7	Kazakhstan	53.6539N	70.5869E	147	From 1995-08-11
Chkalova array site	CHK8	Kazakhstan	53.6796N	70.5731E	140	From 1995-08-11
Chkalovo	CHKZ	Kazakhstan	53.6761N	70.6153E	123	From 1994-07-23
Ch'k'valeri	CHVG	Georgia,Georgia	42.7183N	42.0841E	390	
CHN6	CHN6	Taiwan region	23.7352N	120.3953E	22	From 1994-01-25 to 1997-09-30
Chocan	CHP3	Peru	5.1800S	80.9619W	200	From 1979-12-01
Chocolate Mountain	CH2	California,U.S.A.	33.2962N	115.3360W	347	From 1977-12-01 to 2008-07-06
Chocolate Mountains	COT	California,U.S.A.	33.3052N	115.3530W	294	From 1973-04-16 to 2002-12-20
Choctaw High	OK006	Oklahoma,U.S.A.	35.4780N	97.2787W	358	
Choix	CSIG	Sinaloa	26.8300N	108.3700W	190	From 2014-10-08
Chokchoi	CKH	Sakha,Russia	57.6500N	121.7200E	240	From 1989-06-01
Chokwe, A0818	M0818	Mozambique	24.5103S	33.0078E	32	
Cholame Creek	CCRB	California,U.S.A.	35.9572N	120.5515W	350	
Cholame Hills	PCMM	California,U.S.A.	35.8055N	120.4096W	671	
Cholame Valley	CVC	California,U.S.A.	35.8242N	120.3510W		
Choma	CHMZ	Zambia	16.8333S	27.0667E	1278	From 1987-01-01
Chonco	CNR	Nicaragua	12.6725N	87.0722W	240	From 1975-01-01
CHONE	CHON	Ecuador	0.7179S	80.0962W	37	From 2016-05-14
Chongjin	CHJN	Democratic People's Republic of Korea	41.8022N	129.7968E	50	From 1978-01-01
Choranche	OG13	Rhone-Alpes,France	45.0733N	5.3995E	560	From 1989-08-11
Chor-Sady	CSD	Tajikistan	38.8500N	69.7800E		
Chorzow	CHZ	Poland	50.2925N	18.9917E	316	From 1960-01-01
Chorzow	CHZP	Poland	50.2910N	18.9920E	312	From 2009-11-11
Choshi	COJ	Chiba,Japan	35.7022N	140.8550E	-42	
Chosi	CHO1	Chiba,Japan	35.7367N	140.8617E	28	From 1986-08-22 to 1986-11-08
Chosi	CHOJ	Chiba,Japan	35.7027N	140.8587E	62	From 1986-11-08
Chosi	CHO	Chiba,Japan	35.7250N	140.8433E	27	
Choutuppal	CUPL	India	17.2947N	78.9205E	370	
Chowiet Island	CHW	Alaska,U.S.A.	56.0333N	156.7120W	160	From 1974-01-01
Choya	CYA	Catamarca,Argentina	28.4417S	65.8020W	570	From 1971-02-01
Chr Bro Hi School	CBHT	Tennessee,U.S.A.	35.1326N	89.8657W	79	
Chr Cany lake	CCCA	California,U.S.A.	35.5249N	117.3645W	670	
Chrea	ACHR	Algeria,Algeria	36.4236N	2.8789E	1610	
Chrisman Ranch, Davenport	C09A	Washington,U.S.A.	47.8006N	118.2741W	495	From 2006-09-19 to 2009-01-08
Christchurch	REHS	South Island	43.5236S	172.6350E	16	
Christchurch	CHR	South Island,New Zealand	43.5311S	172.6268E	8	From 1901-11-01 to 1991-09-02
Christchurch	CBGS	South Island	43.5310S	172.6198E	16	
Christianburg	CBT	Tennessee,U.S.A.	35.5394N	84.4206W	357	
Christianenhaus	CHRS	Thuringen,Germany	51.6084N	10.8183E	585	From 2011-10-01
Christian River	F25K	Alaska,U.S.A.	67.5933N	145.6430W	864	From 2016-07-16
Christie Drive Martinez	C018	California,U.S.A.	37.9793N	122.1174W	90	From 2009-07-07
Christmas Canyon	XMS	California,U.S.A.	35.5233N	117.3550W	704	
Christmas Creek	CKR	Alaska,U.S.A.	64.6680N	160.5305W	671	
Christmas Island	XMIS	Christmas Island,Australia	10.4807S	105.6519E	243	From 2005-08-16
Christmas Island	XMI	Christmas Island,Australia	10.4495S	105.6895E	277	From 1976-09-27
Christmas Valley	J06A	Oregon,U.S.A.	43.2515N	120.1528W	1407	From 2006-01-31 to 2008-04-10
Chrome Mountain	CRMT	Montana,U.S.A.	45.4558N	110.1402W	2941	
Chromio, N016	N016M	Greece	40.1296N	21.7403E	681	
Chrysovitsi	S009	Greece	37.5480N	22.2120E	1174	
Chua Tram	CTVN	Vietnam	20.9382N	105.6888E	50	
Chuberi	CBRG	Georgia,Georgia	43.0617N	42.1768E	1148	From 1968-01-01
Chuchupate	CHP	California,U.S.A.	34.8083N	119.0120W	1590	From 1952-01-01 to 1952-11-30
Chudeng	CHUD	Xizang Zizhiqu,China	29.6981N	91.1361E	3771	From 2005-03-28
Chudenice	A072A	Czech Republic	49.4683N	13.1735E	495	From 2015-08-27
Chuian-Garon	CGT	Tajikistan	38.6500N	69.1500E	1050	From 1965-01-01 to 1993-01-01
Chujado	CJD	Republic of Korea	33.9594N	126.2934E	91	From 2015-10-01
Chukha	CHUK	Bhutan	27.0827N	89.5503E	2263	
Chulitna	CUT	Alaska,U.S.A.	62.4047N	150.2690W	168	From 1986-07-18
Chul'man	CL1S	Sakha,Russia	56.8500N	124.9000E	650	From 1962-01-01 to 1986-12-31
Chul'man	CLNS	Sakha,Russia	56.8369N	124.8931E	704	
Chumby, Stover	R39A	Missouri,U.S.A.	38.3138N	93.0383W	290	From 2010-12-08 to 2012-09-14
Chumysh	CHMS	Kazakhstan	42.9986N	74.7513E	655	
Chuncheon	KSCHC	Republic of Korea	37.7776N	127.8145E	241	
Chungju	KSCHJ	Republic of Korea	36.8729N	127.9748E	219	
Chungun	CGUB	Republic of Korea	37.5582N	127.7136E	60	From 2018-03-09
Chungyang	CHYB	Republic of Korea	36.9440N	128.9145E	350	From 2015-10-01
Chunjangdae	CJDB	Republic of Korea	36.1740N	126.5284E	-45	From 2018-03-09
Chunya	CHUN	Tanzania	8.5434S	33.4337E	1527	From 2014-07-02 to 2015-11-04
Chupsang	CHUS	Xizang Zizhiqu,China	29.9970N	90.7462E	4113	From 2005-08-25
Chupungnyeong	KSCPN	Republic of Korea	36.2169N	127.9913E	242	From 2000-02-24
CHUPUNGNYEONG	KSCPR	Republic of Korea	36.2210N	127.9719E	284	From 2006-12-30
Chuquichambi	CHUQ	Bolivia	17.9467S	67.8162W	4178	From 1995-01-01 to 1995-05-06
Chur	CHU	Switzerland	46.8499N	9.5367E	630	
Church	CHB	Alaska,U.S.A.	64.2577N	149.1700W	196	
Church Bay	WCB1	Wales,United Kingdom	53.3782N	4.5467W	139	From 1985-01-01
Church Hills	CHTN	Tennessee,U.S.A.	36.5847N	82.7200W	558	From 1983-02-10 to 1986-01-09
Churchill	CH-MT	Manitoba,Canada	58.6069N	93.8167W	38	From 1965-10-22 to 1965-11-09
Churchill	CH-	Manitoba,Canada	58.6069N	93.8167W	38	From 1965-10-22 to 1965-11-09
Chur Gewerbeschulhaus	SCUG	Switzerland	46.8561N	9.5238E	578	From 2011-11-25
Churui	JCH	Tokachi,Japan	42.6143N	143.3623E	120	
Churwalden Kloster GR	SCHK	Switzerland	46.7889N	9.5363E	1208	From 2015-07-16
Chusal	CHS	Tajikistan	39.1000N	70.7667E	1670	
Chushkaly	CHKK	Kazakhstan	43.8540N	76.9880E	540	From 1989-05-11
Chusmiza	GO01	Chile	19.6685S	69.1942W	3809	
Chutung	TWR	Taiwan region	24.6401N	121.0786E	760	From 1974-02-11
Chuyangaron	CHGR	Tajikistan	38.6569N	69.1582E	1049	
Chuyul	PARO	Bhutan	27.5673N	89.3205E	2566	
Chvalec	CHVC	Czech Republic	50.5881N	16.0547E	598	From 2009-05-20
Chylin	CYP	Poland	51.2933N	23.3000E	100	From 1976-01-01 to 1991-12-31
Cibinong	KMSI	Sulawesi,Indonesia	0.5745N	123.9807E	0	From 2007-12-01
Cibinong	CNJI	Jawa,Indonesia	7.3090S	107.1296E	0	From 2007-12-01
Cibinong	CGJI	Jawa,Indonesia	6.6135S	105.6929E	0	From 2007-12-01
Cicekdag	CDAG	Turkey	39.6236N	34.3719E	1136	From 2005-03-23
Cicese	CCX	California,U.S.A.	31.8678N	116.6644W	40	
Cienega Rd	AN14*	California,U.S.A.	36.7092N	121.3430W	305	From 1969-05-29
Cienega Road	BCGM	California,U.S.A.	36.7092N	121.3430W	305	From 1969-05-29
Cifteler, Eskisehir	CIFT	Turkey	39.3612N	31.0625E	892	From 2013-03-15
CIGO, UAF Yankovich Road, Fairbanks	TCOL	Alaska,U.S.A.	64.8735N	147.8618W	178	From 2012-10-08
Cihanbeyli	CHBY	Turkey	38.5823N	32.8901E	1086	From 2010-06-29
Cilcuayo	CIVM	Mexico D.F.,Mexico	19.1032N	98.9858W	3530	
Cilicap	CLJI	Jawa,Indonesia	7.7187S	109.0150E	46	From 2005-01-01
Cilov Adasi	ZHI	Azerbaijan	40.3250N	50.5900E	-24	From 1968-01-01
Cima Ekar Asiago	CEKR	Italy	45.8492N	11.5685E	1365	From 2019-04-01
Cima Grappa	CGRP	Italy	45.8800N	11.8000E	1757	
Cimarron	R21A	Colorado,U.S.A.	38.3685N	107.5501W	2260	From 2007-11-14 to 2010-02-07
CIMA - Sant'Angelo dei Lombardi	SALI3	Italy	40.9300N	15.1800E	872	
Cimerak	CMJI	Jawa,Indonesia	7.7837S	108.4485E	0	From 2007-12-01
Cimolais	CIMO	Italy	46.3100N	12.4400E	610	
Cinarcik Cinnet	CINR	Turkey	40.6133N	29.0750E	70	From 2009-01-01
Cinarcik-Koru-Yalova	SBT1	Turkey	40.7056N	29.1491E	-1260	From 2010-12-31
Cincinnati	CNN	Ohio,U.S.A.	39.1450N	84.4967W	203	From 1927-01-01 to 1963-12-31
Cinco Dias	PCON	Colombia	2.3280N	76.3970W	4294	
Cinco Dias	CURI	Colombia	2.3045N	76.3942W	4507	
Cinco Dias	SNRF	Colombia	2.3800N	76.3560W	3518	
Cinco Dias	AGBL	Colombia	2.3140N	76.4038W	4374	
Cinco Dias	MINZ	Colombia	2.3358N	76.4132W	4019	
Cine	CIN	Turkey	37.6000N	28.0867E	120	From 1956-06-01
Cinebar	E04D	Washington,U.S.A.	46.5566N	122.5673W	204	From 2010-08-26
Cingoli	CING	Italy	43.3756N	13.1954E	626	From 2003-11-19
Ciocanesti	CICN	Romania	44.1970N	27.0261E	18	From 2019-03-22
Ciorogarla	CIOR	Romania	44.4489N	25.8799E	138	From 2003-11-02

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Cipolletti	CIP	Rio Negro,Argentina	38.9333S	68.1333W		
Cipreses	CICH	O'Higgins,Chile	34.3198S	70.4205W	1200	
Circle Bar Ranch, Crane	J08A	Oregon,U.S.A.	43.3580N	118.4743W	1229	From 2006-06-28 to 2009-01-08
Circle Bar Ranch, Sunflower	Y16A	Arizona,U.S.A.	33.8798N	111.4783W	1068	From 2007-03-21 to 2008-12-02
Circle Diamond K Ranch, Victoria	736A	Texas,U.S.A.	28.9550N	97.0673W	45	From 2010-04-18 to 2011-11-12
Circle Dot Ranch, Maxwell	U25A	New Mexico,U.S.A.	36.3998N	104.4081W	1845	From 2008-05-12 to 2010-04-15
Circle Ranch, Eureka	P11A	Nevada,U.S.A.	39.5530N	115.7536W	1787	From 2006-05-28 to 2008-09-09
Circular Butte	CRBI	Idaho,U.S.A.	43.8303N	112.6350W	1543	
Crculo Militar	CIRC	Ecuador	0.1963S	78.4875W	2791	From 2010-08-19
Cirey Neuves-Granges	CIREY	France	47.4148N	6.1208E	307	From 2018-07-10 to 2020-01-01
Cirkulane	S52SK	Slovenia	46.3419N	15.9703E	318	From 2019-01-12
Cirque	CRQM	Alaska,U.S.A.	60.7567N	143.1390W	1853	From 1988-07-01
Cirque	CRQE	Alaska	60.7523N	143.0926W	1392	From 2010-06-20
Cisc	CISC	Cuba	20.0020N	75.7710W		
Cisco Grove, Yuba Pass, CA USA	YUBA	California	39.3376N	120.5372W	2371	
Cishan	SCST	Taiwan region	22.8856N	120.4938E	70	From 2014-07-28
Cisompet, Garut	CISI	Jawa,Indonesia	7.5557S	107.8153E	544	From 2008-07-21 to 2015-12-01
Cisternazza	ECIS	Sicily,Italy	37.8360N	14.9953E	1342	From 1992-10-01
Citeko	CBJI	Jawa,Indonesia	6.4200S	106.8500E	0	
Citronelle, Rodrigues Island	RODM	Mauritius	19.6962S	63.4413E	300	
Citronen Fjord	CFJ	Greenland	83.0835N	28.3208W	60	From 2004-07-28 to 2007-05-12
Citt di Castello	CCPC	Italy	43.4779N	12.2539E	310	From 2011-10-01
Citta di Castello Trestina	CDCT	Italy	43.3660N	12.2363E	309	From 2019-10-24
Cittanova	ME10	Italy	38.3029N	16.1953E	728	From 2007-11-21 to 2009-02-05
Citt` di Castello	CDCA	Italy	43.4584N	12.2336E	50	From 2006-07-13
City College NY	CNY	New York,U.S.A.	40.8217N	73.9533W		
City Hall, Gustavus	R31K	Alaska,U.S.A.	58.4133N	135.7398W	15	From 2016-08-23
City of Haslet	FW02	Texas,U.S.A.	32.9502N	97.3426W	226	From 2016-09-22
Ciudad Altamirano	CDAM	Guerrero,Mexico	18.3500N	100.6500W	300	
Ciudad Bolivar, Antioquia	CBOC	Colombia	5.8640N	76.0120W	1401	From 2013-08-07
Ciudad de Armeria	CDAR	Jalisco	18.9408N	104.0107W	75	
Ciudad Guzman	CGX	Jalisco,Mexico	19.6917N	103.5080W	1530	
Ciudad Serdan	IISM	Puebla,Mexico	18.9880N	97.3768W		
Ciudad Universitaria	CUIG	Mexico D.F.	19.3300N	99.1800W	2257	From 1994-07-07
Civita di Ruta - Ottati	CDRU	Italy	40.4896N	15.3046E	1057	From 2005-10-13
Civitanova Marche	CIMA	Italy	43.3059N	13.6701E	163	From 2010-03-15
Civita (PG)	T1218	Italy	42.6700N	13.1152E	1183	From 2016-08-25 to 2017-09-21
Civitella Cesi - VT	TO09	Italy	42.1868N	12.0181E	220	From 2009-01-14 to 2009-04-02
Civitella del Tronto, Fortezza	CV01	Italy	42.7727N	13.6662E	642	From 2016-08-30
Civitella del Tronto, Torrione Porta Napoli	CV02	Italy	42.7731N	13.6695E	600	From 2016-08-30
Civitella del Tronto, via Parnaso	CV05	Italy	42.7716N	13.6637E	605	From 2016-08-30
Civitella del Tronto, via Roma	CV04	Italy	42.7723N	13.6667E	585	From 2016-08-30
Civitella del Tronto, via Salinello	CV03	Italy	42.7726N	13.6730E	540	From 2016-08-30
CKGRV	CKGRV	Botswana	21.4035S	23.7718E	1005	
CL01	CL01	Romania	45.8230N	26.3670E	1759	
CL02	CL02	Romania	45.7710N	26.5090E	1103	
CL03	CL03	Romania	45.6590N	26.5780E	369	
CL04	CL04	Romania	45.6020N	26.4090E	1641	
CL05	CL05	Romania	46.0310N	26.3850E	773	
Clabaugh Cattle Company, Gillette	H23A	Wyoming,U.S.A.	44.5620N	105.4007W	1213	From 2008-10-18 to 2010-09-06
Clairette	234A	Texas,U.S.A.	32.0040N	98.1368W	358	From 2009-11-17 to 2011-10-01
Clancy	CMT	Montana,U.S.A.	46.5167N	111.9330W	1402	From 1974-01-01
Clara Peak	CLP	New Mexico,U.S.A.	36.0358N	106.2400W	2591	From 1973-09-01
Clarenceville	G59A	Quebec,Canada	45.0807N	73.1809W	36	From 2013-09-17
Clark Canyon Reservoir	CCMT	Montana,U.S.A.	44.9150N	112.8740W	1926	From 1985-07-24 to 1989-08-30
Clarke City	SMQ	Quebec,Canada	50.2225N	66.7028W	344	
Clark Hill Reservoir	LDVG	Georgia,U.S.A.	34.1478N	82.6833W	162	
Clark Hill Reservoir	CH6	Georgia,U.S.A.	33.8792N	82.5194W	146	From 1975-12-01
Clark Hill Reservoir	CH5	Georgia,U.S.A.	33.7333N	82.3250W	132	From 1975-12-01
Clark Hill Reservoir	BEVG	Georgia,U.S.A.	34.0893N	82.7333W	158	
Clark Hill Reservoir	IVAG	Georgia,U.S.A.	34.2721N	82.7460W	168	
Clarkson	K49A	Michigan,U.S.A.	42.7835N	83.4556W	336	From 2012-10-11
Clark State Community College	CSCO	Ohio,U.S.A.	39.8950N	83.7980W	304	
Clarkstown	CLAR	New York,U.S.A.	41.1887N	74.0037W	76	
Clarksville	U47A	Tennessee,U.S.A.	36.4413N	87.2892W	145	From 2011-12-03
Clark Valley	GCK	California,U.S.A.	39.5438N	122.4367W	251	
Clatskanie	B023	Oregon,U.S.A.	46.1112N	123.0787W	-55	
Clausthal	CLZ	Niedersachsen,Germany	51.8416N	10.3724E	680	
Claut1	CLA1	Italy	46.2660N	12.5170E	612	
ClautB	CLAB	Italy	46.2720N	12.5120E	672	
Clavier	BCLA	Belgium	50.4196N	5.3029E	235	From 1991-10-29
Clay Center	CCNE	Nebraska,U.S.A.	40.5037N	97.9367W	529	
Clayton	CT-OK	Oklahoma,U.S.A.	34.4881N	95.1272W	305	From 1962-07-14 to 1962-10-05
Clayton	X37A	Oklahoma,U.S.A.	34.5892N	95.3713W	207	From 2010-04-21
Clayton	CT-	Oklahoma,U.S.A.	34.4881N	95.1272W	305	From 1962-07-14 to 1962-10-05
Clayton Basin, Artesia	126A	New Mexico,U.S.A.	32.6462N	104.0204W	1032	From 2008-03-15 to 2010-02-16
Clayton Lake	E62A	Maine,U.S.A.	46.6201N	69.5227W	356	From 2013-10-09
Clear Creek Butte	CCB	Alaska,U.S.A.	64.6467N	147.8050W	219	From 1971-02-25
Clear Creek, Montana	CLMT	Montana	46.8187N	112.7699W	1615	From 2018-08-21
Clear Creek Ranch, Tonopah	Q10A	Nevada,U.S.A.	38.8247N	116.3999W	2027	From 2007-02-05 to 2008-09-13
Clear Mews	CMA	Alaska,U.S.A.	64.2900N	149.1800W	181	From 1964-01-01 to 1974-01-31
Clearmont	H22A	Wyoming,U.S.A.	44.5943N	106.3521W	1276	From 2008-10-09 to 2010-09-09
Cleburne	FW13	Texas,U.S.A.	32.3517N	97.4311W	259	From 2016-11-14
Cle Elum	D06A	Washington,U.S.A.	47.1935N	120.8445W	575	From 2006-09-12 to 2008-05-12
Clemmons Ranch, Yeso	X25A	New Mexico,U.S.A.	34.5271N	104.6621W	1494	From 2008-04-27 to 2010-03-20
Clenze	CLNZ	Niedersachsen	52.9423N	10.9536E	32	From 2007-12-26 to 2018-12-19
Clermont-Ferrand	CFF	Auvergne,France	45.7630N	3.1112E	400	From 1984-11-01
Clermont-Ferrand	NE16	Auvergne,France	45.7630N	3.1112E	400	From 1984-11-01 to 2001-07-28
Cleve	CLV	South Australia,Australia	33.6911S	136.4960E	238	From 1963-10-01
Cleveland	CLE	Ohio,U.S.A.	41.4888N	81.5321W	328	
Cleveland	W51A	Tennessee,U.S.A.	35.1606N	84.7599W	260	From 2012-06-13
Cleveland Dam	CLVB	British Columbia,Canada	49.3817N	123.1447W	427	
Cleveland East, Cleveland Volcano	CLES	Alaska,U.S.A.	52.8235N	169.8951W	146	From 2014-08-09
Cleveland Museum of Natural History	CLEO	Ohio,U.S.A.	41.5120N	81.6140W	192	
Clever	T39A	Missouri,U.S.A.	37.0241N	93.3774W	366	From 2010-12-16 to 2012-10-28
Clevilliers	CLEV	France	48.5490N	1.3892E	182	From 2018-04-05
Cliffside	CFM	Montana,U.S.A.	48.2081N	115.4580W	886	From 1971-02-01 to 1974-07-09
Cliffs of the Neuse	CNNC	North Carolina,U.S.A.	35.2393N	77.8901W	29	From 2006-06-26
Clifton-Fine, NY	CFNY	New York	44.1651N	75.0513W	461	From 2015-10-08
Climax Mine	NYM	Nevada,U.S.A.	37.2313N	116.0520W	1603	From 1971-01-01 to 1973-01-31
CLINCENI	CLIR	Romania	44.3784N	25.9414E	88	From 2008-11-06
Clinic, Gonder/Metema	MGNE	Ethiopia,Ethiopia	12.7864N	36.4043E	771	From 2014-04-05 to 2015-02-08
Clinic, Silare	SILA	Ethiopia,Ethiopia	12.7442N	37.9891E	1596	From 2014-04-07 to 2017-12-01
Clinic, Wadera	WADE	Ethiopia,Ethiopia	5.7847N	39.3020E	1844	From 2014-04-20 to 2017-12-01
Clinton	E14A	Montana,U.S.A.	46.4162N	113.4926W	1675	From 2006-10-12 to 2009-06-12
Clinton	W59A	North Carolina,U.S.A.	35.1673N	78.4430W	60	From 2013-03-09
Clinton	CLIN	New York,U.S.A.	41.8750N	73.8490W	168	From 1978-05-01 to 1983-02-25
Clintwood	CI-VA	Virginia,U.S.A.	37.1936N	82.4158W	549	From 1962-10-15 to 1962-10-27
Clintwood	CI-	Virginia,U.S.A.	37.1936N	82.4158W	549	From 1962-10-15 to 1962-10-27
Cloghs, Cushendall	CLGH	Northern Ireland,United Kingdom	55.0828N	6.1106W	239	From 2012-01-30
Closani	CLO	Romania	45.0739N	22.8019E	335	From 1982-09-01
Cloverdale	GCVM	California,U.S.A.	38.7697N	123.0140W	150	From 1975-05-07
Clover Valley, Wells	N12A	Nevada,U.S.A.	40.8522N	115.0387W	1786	From 2006-05-10 to 2008-08-09
Club Campestre	CLUB	El Salvador	13.7016N	89.2548W	905	
Cludinico	CLUD	Italy	46.4569N	12.8814E	635	From 2011-02-15
Cluj	CLU	Romania	46.7500N	23.6500E		
Cluj-Babes-Bolyai University	CBBR	Romania	46.7683N	23.5501E	336	From 2015-06-05
Cluj-Napoca	CJR1	Romania	46.7661N	23.5514E	345	From 1985-12-01
Cluj-Napoca	CJR	Romania	46.7133N	23.5981E	750	From 1979-01-01
Clyde	CYZ	South Island,New Zealand	45.1442S	169.3296E	606	From 1984-04-04 to 1987-02-26
Clyde River	CLRN	Nunavut,Canada	70.4743N	68.5871W	9	From 2011-01-13
CM02E	CM02E	Romania	45.3760N	26.3910E	526	
CM03E	CM03E	Romania	45.2650N	26.2670E	338	
CM05E	CM05E	Romania	44.8010N	26.2730E	105	
CM08E	CM08E	Romania	45.1890N	26.5780E	185	
CMO6E	CMO6E	Romania	44.8880N	26.0490E	191	
CMU Biological Station, Beaver Island	F45A	Michigan,U.S.A.	45.6837N	85.5156W	173	From 2011-09-23
CN03	CN03	Romania	46.2400N	27.8480E	278	
CN05	CN05	Romania	44.3450N	28.0450E	104	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
CN07	CN07	Romania	45.1380N	26.5450E	750	
Coachella	COA	California,U.S.A.	32.8635N	115.1230W	35	From 1973-04-16
Coal Bank Pass, Durango	S21A	Colorado,U.S.A.	37.6620N	107.7917W	2723	From 2007-12-05 to 2009-11-09
Coal Creek Mining Camp	I26K	Alaska,U.S.A.	65.3064N	143.1541W	338	From 2015-09-12
Coaldale, S01	SCR01	Colorado	38.3651N	105.7663W	2028	
Coamo	CCA	Puerto Rico	18.0696N	66.3263W	269	From 1977-02-15 to 1999-08-25
Coaracy Nunes - AP	CN01	Para	0.9309N	51.2578W	66	From 2016-03-30
Coast Env Seattle	KDKW	Washington,U.S.A.	47.5950N	122.3335W	4	
Coatepeque	COAS	El Salvador	13.8867N	89.5719W	1260	
CO. Balcn	BS01	Bolivia	20.7323S	65.1945W	2897	From 2012-08-06
Cobalt	G13A	Idaho,U.S.A.	45.0931N	114.2329W	1538	From 2006-11-14 to 2009-06-04
Cobano	CAO	Costa Rica	9.7012N	85.1033W	263	From 1984-11-01
Cobano, Puntarenas	CAO2	Costa Rica	9.6880N	85.1070W	179	From 2012-01-01
Cobar Meteorology Station	CMSA	New South Wales,Australia	31.5375S	145.6916E	220	From 2001-06-26
Cobar Meteorology Station	CMS	New South Wales,Australia	31.4867S	145.8283E	255	From 1982-12-06 to 1999-08-25
Cobb Dam	CDZ	South Island,New Zealand	41.0938S	172.7132E	780	From 1989-11-01 to 1990-04-30
Cobblestone Ranch, Loring	A20A	Montana,U.S.A.	48.8799N	107.9257W	868	From 2008-09-11 to 2010-07-20
Cobb Mountain	GCMM	California,U.S.A.	38.8058N	122.7550W	1286	From 1975-04-23
Cobb River	COB	South Island,New Zealand	41.0861S	172.7340E	213	From 1949-07-19 to 1990-02-25
Cobden	COBO	Ontario	45.6269N	76.8835W	146	From 2018-12-19
Cobleskill	CONY	New York,U.S.A.	42.6658N	74.4688W	468	From 2001-07-14 to 2006-02-28
Cobquecura	COBQ	Bio-Bio,Chile	36.1077S	72.7440W	100	
Cobquecura	COCH	Bio-Bio,Chile	36.1313S	72.7883W	23	
Cochabamba	CCH	Bolivia	17.3842S	66.1342W	2650	
Cochancay	COHC	Ecuador	2.4662S	79.2546W	33	From 2012-05-23
Cochiti	COH	New Mexico,U.S.A.	35.5802N	106.3050W	1646	From 1976-01-01
Cochrane	AY03	Chile	47.2530S	72.5910W	174	From 2016-08-02
Cochrane	CHRN	Chile	47.2493S	72.5903W	198	From 2009-09-07
Coco Island	ICCO	Costa Rica,Costa Rica	5.5436N	87.0567W	10	From 2007-09-23
Coconuco	LAROC	Colombia	2.3200N	76.4198W	4250	
Coconuco	CONV	Colombia	2.3278N	76.4347W	4150	
Coconuco, CURV	CURVC	Colombia	2.3033N	76.3955W	4400	
Cocos Island	CCK	Cocos Islands,Australia	12.2000S	96.9000E		
Cocos Islands	I06AU	Cocos Islands	12.1464S	96.8203E	0	From 2011-10-31
Cocozzello	CO22	Italy	39.4926N	16.3051E	430	From 2016-10-11
Codavolpe	ECDV	Sicily,Italy	37.7010N	15.1620E	230	From 1994-10-01
Codazzi, Cesar	CCODA	Colombia	9.9350N	73.4430W	108	From 2012-03-08
Codolo	CODM	Italy	44.3908N	9.8500E	580	From 1999-03-01
Codrington	CPB	Barbuda,Antigua and Barbuda	17.6400N	61.8260W	5	From 1980-07-09
Codroy Newfoundland	CODG	Newfoundland,Canada	47.8406N	59.2535W	50	From 2005-10-06
Cody	CZ-	Nebraska,U.S.A.	42.8750N	101.2417W	975	
Cody	CZ-NB	Nebraska,U.S.A.	42.8750N	101.2417W	975	
Cody Creek RV Park, Cushing	OK030	Oklahoma,U.S.A.	35.9278N	96.7837W	289	From 2014-10-16
Coen	COEN	Queensland,Australia	13.9574S	143.1749E	285	From 2002-10-03
Coe Ranch	COE	California,U.S.A.	37.2590N	121.6735W	329	From 1967-10-03 to 2011-07-23
Coe Ranch	CCOM	California,U.S.A.	37.2590N	121.6735W	329	From 1967-10-03 to 2011-07-23
Coe Ranch Number 3	CCOB	California,U.S.A.	37.2590N	121.6731W	371	
Cofrada	COFN	Nicaragua	12.1500N	86.1100W	50	
Cofrentes, Valencia	EVIV	Spain	39.2668N	1.1185W	656	From 2014-12-09
Cogollos-Vega	ECOG	Spain	37.2772N	3.5664W	1176	From 1990-06-13
Cohagen	D22A	Montana,U.S.A.	47.1498N	106.1797W	791	From 2008-09-06 to 2010-07-16
Cohasset Ridge	OCHM	California,U.S.A.	39.8758N	121.7660W	530	From 1976-12-17
Coimbra	PCOI	Portugal	40.1585N	8.4662W	174	
Coimbra	COI	Portugal	40.2080N	8.4124W	140	
Coker Ranch, Turkey	X30A	Texas,U.S.A.	34.4461N	100.8740W	698	From 2009-03-12 to 2011-02-11
Cokeville	L17A	Wyoming,U.S.A.	42.0995N	110.8727W	1996	From 2007-11-04 to 2009-05-06
Colby Mountain	LCMM	California,U.S.A.	40.1465N	121.5210W	1829	
Colchester	COV	Vermont,U.S.A.	44.5777N	73.1458W	85	From 1976-11-01 to 1980-08-31
Colchester	TCR	England,United Kingdom	51.8349N	0.9125E	40	From 1989-01-01
Col Coahuila, VIC	VIC1	Baja California	32.2900N	115.1000W	16	
Cold Bay	CBA	Alaska,U.S.A.	55.1750N	162.7330W		
Cold Bay	CBY	Alaska,U.S.A.	55.1887N	162.7040W	20	From 1993-06-01
col de Turini - Moulinet	TURF	France	43.9749N	7.3919E	1640	
Col de Zad	CZD	Morocco	33.0320N	5.0410W	2435	From 1992-01-01
Coldfoot	COLD	Alaska,U.S.A.	67.2274N	150.2013W	377	From 2004-05-19
Cold Spring	COSP	New York,U.S.A.	41.4407N	73.9282W	128	
Cold Spring Mountain	GCSM	California,U.S.A.	39.0228N	123.5212W	695	
Cold Spring River	CSRY	New York,U.S.A.	43.9692N	74.1750W		From 1983-10-01 to 1986-10-31
Cold Springs	KCSM	California,U.S.A.	40.5377N	123.5130W	1640	From 1992-08-13
Cold Springs	CSPT	Tennessee,U.S.A.	35.7610N	83.8240W	335	From 1983-10-28
Col du Perthus	PERF	Languedoc-Rousillon,France	42.4856N	2.8742E	490	From 1989-01-01 to 1999-10-06
Coldwater Canyon	CWCR	California,U.S.A.	37.4948N	118.3060W	2000	From 1984-08-10 to 2002-10-10
Coldwater, Mount Saint Helens	B201	Washington,U.S.A.	46.3033N	122.2648W	752	
Coleburn Distillery	MCD	Scotland,United Kingdom	57.5828N	3.2542W	280	From 1981-06-01
Coleen River	E27K	Alaska,U.S.A.	68.1861N	141.5951W	654	From 2016-07-13
Colegio 24 de Mayo	C24MA	Ecuador	0.1769S	78.4738W	2836	From 2010-07-02
Colegio Aleman	DSCH	Santiago,Chile	33.3985S	70.5688W	699	
Colegio Gonzalo Zaldumbide - Quito	ZALD	Ecuador	0.2666S	78.5412W	2870	
Colegio internacional SEK los valles, Yaniza Rapata, Cumbaya, Quito, Ecuador	CSEK	Ecuador	0.2094S	78.4488W	2875	From 2017-07-12
Colegio Marista Quito, el inca, jipijapa, Quito, Ecuador	NCA	Ecuador	0.1594S	78.4714W	2836	From 2017-07-10
Coleman	232A	Texas,U.S.A.	31.8880N	99.6469W	621	From 2009-03-07 to 2011-02-17
Coleman	CLM	Alberta,Canada	49.6350N	114.5200W		
Coleman	I33A	South Dakota,U.S.A.	44.0475N	96.7989W	509	From 2010-08-01 to 2012-06-06
Colesburg	K40A	Iowa,U.S.A.	42.6999N	91.1383W	274	From 2011-06-10 to 2013-06-01
Coleville	R06C	California,U.S.A.	38.5226N	119.4509W	1698	From 2005-08-04 to 2008-03-15
Coley Creek	SCCK	South Carolina,U.S.A.	35.0228N	82.9915W	701	
Coleyville	CVJ	Jamaica	18.2262N	77.5348W	985	
Colfax	CF-	Wisconsin,U.S.A.	45.0942N	91.7664W	366	From 1962-11-04 to 1962-12-12
Colfax	CF-WS	Wisconsin,U.S.A.	45.0942N	91.7664W	366	From 1962-11-04 to 1962-12-12
Colgate University, Hamilton, NY	CGNY	New York	42.8165N	75.5324W	383	From 2015-12-09
Colider	CLDB	Mato Grosso,Brazil	10.8732S	55.7965W	298	From 2013-04-15 to 2099-01-01
Coligny	CGY	Transvaal,South Africa	26.3483S	26.3750E		From 1986-01-01 to 1999-01-31
Colima	COIG	Colima	19.1800N	103.6900W	860	From 1994-07-07
Colima	CMX	Colima,Mexico	19.1808N	103.6910W	779	From 1986-01-01
Colima	COLM	Colima,Mexico	19.1808N	103.6910W	779	From 1986-01-01
Colinas	COLS	El Salvador	13.6652N	89.2987W	1105	
Collalto	MZ03	Italy	42.6770N	13.2883E	1093	From 2016-09-19 to 2016-10-26
Collalto TV	ED06	Italy	45.8570N	12.2085E	174	
Collangettes	COLF	Auvergne,France	45.5178N	3.6945E	740	
Col Las Americas	LACH	Metropolitana,Chile	33.4518S	70.5308W	690	From 2006-04-01
Col. Lazaro Cardenas, TRI	TRIMX	Baja California	31.4425N	115.7437W	1069	
Collbran, N14	NCR14	Colorado	39.2101N	107.9523W	1979	
Colle Ameno	AMEN	Italy	43.6088N	13.4444E	48	From 2012-09-27
Colle Belvedere (Rocca di Mezzo)	RM24	Italy	42.1710N	13.4724E	1565	From 2009-04-22 to 2009-09-01
Collebrencioni	RM07	Italy	42.4050N	13.4065E	1133	From 2009-04-06 to 2009-08-31
Collecreta	MZ63	Italy	42.6300N	13.3230E	1071	From 2016-09-28 to 2016-11-24
College	COLA	Alaska,U.S.A.	64.8738N	147.8511W	74	From 1996-01-01
College des Creusets, Sion	ESION	Switzerland	46.2269N	7.3476E	482	From 2009-01-09
College--Fairbanks	CMO	Alaska,U.S.A.	64.8600N	147.8350W	183	From 1949-01-01 to 1977-12-31
College Fiord	CFI	Alaska,U.S.A.	61.1827N	147.7670W	3	From 1974-07-31
College of the Siskiyous	LCSM	California,U.S.A.	41.4162N	122.3925W	1125	
College of Wooster	COWO	Ohio,U.S.A.	40.8158N	81.9378W	328	
College Outpost	COL	Alaska,U.S.A.	64.9000N	147.7933W	320	
Collemoresco	MZ20	Italy	42.6451N	13.2327E	1010	From 2016-09-27 to 2016-10-26
Collenoveri	RM11	Italy	42.5382N	13.2772E	931	From 2009-04-07 to 2010-02-15
Collepagliuca	MZ61	Italy	42.6340N	13.3140E	1001	From 2016-09-27 to 2016-11-24
Collepietro	T0110	Italy	42.2264N	13.7791E	915	From 2009-09-02
Colle Posta	MZ096	Italy	42.6613N	13.2043E	1073	From 2016-09-23 to 2016-10-11
Colle Roio	RM02	Italy	42.3430N	13.3283E	787	From 2009-04-06 to 2009-06-17
Colle San Martino	SMB1	Italy	41.3968N	14.7184E	819	
Colle Spada	MZ095	Italy	42.6646N	13.2337E	1036	From 2016-09-23 to 2016-10-11
Colliano	COL3	Italy	40.6871N	15.3304E	1026	
Colliano	CLLN	Italy	40.7177N	15.3180E	1207	From 2004-09-23
Colli (Barete)	RM05	Italy	42.4387N	13.2588E	890	From 2009-04-06 to 2009-09-01
Collier Ranch, Chico	Z34A	Texas,U.S.A.	33.3712N	97.9158W	341	From 2009-11-10 to 2011-09-10
Collingwood	CLWO	Ontario,Canada	44.4491N	80.3013W	485	From 2009-05-20
Collinsville	HGA	Alabama,U.S.A.	34.2602N	85.8464W	384	
Collinsville	CVLQ	Queensland,Australia	20.5900S	147.6090E	102	From 1985-04-03
Collm	CLL	Sachsen,Germany	51.3077N	13.0026E	230	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Collurania	CLR	Italy	42.6667N	13.7167E		
COLO	COLO	Bolivia	19.0002S	62.0049W	396	From 1995-07-29 to 1995-08-08
Cologne	CLG	Nordrhein-Westfalen,Germany	50.9283N	6.9350E	0	
Colombo	COC	Sri Lanka	6.9000N	79.8667E	7	
Colome	CO-	South Dakota,U.S.A.	43.2867N	99.6703W	640	From 1962-07-06 to 1962-07-11
Colome	CO-SD	South Dakota,U.S.A.	43.2867N	99.6703W	640	From 1962-07-06 to 1962-07-11
Colon	ECO	Panama	9.3638N	79.6937W	468	From 1990-10-17
Colon	COLN	O'Higgins,Chile	34.0667S	70.4567W	2160	
Colon	ECO2	Panama	9.3218N	79.6837W	450	
Colonesti	CLI	Romania	46.5500N	27.2833E	502	
Colonia	COLC	Costa Rica	10.6652N	85.2037W	445	From 2000-01-01
Colonia del Valle	CVM	Mexico D.F.,Mexico	19.3821N	99.1785W		
Colonia Sabana	CSB	Puerto Rico	18.2897N	66.1567W	470	From 1975-07-30
Colony High School	CHSA	Alaska,U.S.A.	61.6080N	149.2120W	112	
Colorado	COCR	Costa Rica	10.5527N	83.6708W	10	
Colorado Mnmt	CMCO	Colorado,U.S.A.	39.1026N	108.7380W	1756	
Coloredo	COLI	Italy	46.1333N	13.3783E	250	From 1977-05-06
Col San Antonio	HUMP	Puerto Rico	18.1421N	65.8498W	79	
Colson Canyon	BCC	California,U.S.A.	34.9397N	120.1720W	610	From 1969-11-24 to 2005-08-08
Colson Canyon	SCCM	California,U.S.A.	34.9413N	120.1720W	610	
Colter Canyon	COLW	Wyoming,U.S.A.	43.9623N	110.6960W	2079	From 1986-01-01
Colton High School	COLT	Oregon,U.S.A.	45.1703N	122.4369W	213	
Coltrane Farms	V57A	North Carolina,U.S.A.	35.8875N	79.7758W	223	From 2013-03-13
Columbia	CSC	South Carolina,U.S.A.	34.0000N	81.0333W	94	From 1931-01-01 to 1973-09-30
Columbia	COTN	Tennessee,U.S.A.	35.7842N	86.9707W	320	
Columbia College	CMB	California,U.S.A.	38.0346N	120.3865W	697	From 1986-11-06
Columbiana	Z49A	Alabama,U.S.A.	33.1942N	86.5311W	134	From 2011-12-19 to 2013-08-06
Columbo, Santorini Isl.	CMBO	Greece	36.4709N	25.4056E	108	From 2011-02-02
Columbus	DELM	Kentucky	36.8010N	89.1460W	90	From 1990-05-24 to 1992-02-05
Columbus	CUN	Nebraska,U.S.A.	41.4789N	97.3800W	467	
Columbus	COLR	Nevada,U.S.A.	38.1447N	118.0542W	1835	
Columbus	J42A	Wisconsin,U.S.A.	43.3179N	89.1234W	313	From 2011-10-15 to 2013-06-11
Columbus Grove	N49A	Ohio,U.S.A.	40.9220N	84.1825W	225	From 2012-09-03
Colusa Avenue, El Cerrito	C011	California,U.S.A.	37.9064N	122.2924W	30	From 2009-05-18
Col Varnada, Mel (BL)	VARN	Italy	45.9933N	12.1047E	870	From 2006-11-16
Colville	CLW	Washington,U.S.A.	48.5933N	117.8820W	585	From 1975-06-01 to 1976-11-30
Colville Lake	CLVN	Northwest Territories,Canada	67.0390N	126.0779W	263	From 2010-07-18
Colville Reservation, Omak	B08A	Washington,U.S.A.	48.3584N	119.3332W	696	From 2006-11-07 to 2008-11-12
Comala	COMA	Colima	19.3253N	103.7608W	612	
Comanche National Grassland Park, Kim	T26A	Colorado,U.S.A.	37.1747N	103.5933W	1830	From 2009-01-10 to 2010-11-07
Comarca El Reventon, F3	TUF3	Nicaragua	12.0637N	86.4194W	249	
Combarbala	CMCH	Coquimbo,Chile	31.1735S	71.0013W	906	
Combarbal	CO02	Coquimbo	31.2037S	71.0002W	1190	From 2013-06-07
Combe Brimond	CBBF	Provence-Cote d'Azur,France	44.5965N	6.8535E	1980	From 1989-11-06
Combe Farm	DCO	England,United Kingdom	50.3200N	3.8724W	410	From 1982-01-01
Combovin	OG16	Rhone-Alpes,France	44.8500N	5.0975E	775	From 1990-04-05
Comb Ridge	CRTN	Tennessee,U.S.A.	36.1998N	83.8407W	488	
Comisariato del Ejercito Sur - Quito	COSF	Ecuador	0.2364S	78.5256W	2854	
Comision Nacional del Agua 27	CNA27	Baja California	32.5053N	114.8490W	31	From 2012-01-01
Comit de Emergencia de Berln	COEB	El Salvador	13.4980N	88.5304W	1018	
Comitan	COM	Chiapas,Mexico	16.2533N	92.1281W	1528	
Comitan	CCIG	Chiapas,Mexico	16.2820N	92.1370W	1500	
Comitan 2	COM2	Chiapas,Mexico	16.2417N	92.1372W		
Commelle	OG08	Rhone-Alpes,France	45.4482N	5.2397E	550	From 1989-02-13
Commelle, 38121, Isere, Rhone-Alpes	A215A	France	45.4307N	5.2323E	450	From 2015-12-07 to 2016-01-22
Complesso Universitario Monte Sant'Angelo	NAPI	Italy	40.8400N	14.1800E	120	
Compton	COOC	California,U.S.A.	33.8960N	118.2164W	-31	
CON	CCON	Costa Rica	9.5853N	84.0533W	1350	From 2002-10-01 to 2003-03-15
Concepcio@15n	U14B	Concepcion,Chile	36.8579S	73.0798W	27	
Concepcion	CONC	Concepcion,Chile	36.8295S	73.0353W	60	
Concepcion	CONN	Nicaragua	11.5642N	85.6257W	250	
Concepcion	CON	Concepcion,Chile	36.8281S	73.0450W	15	
Concesio	CNCS	Italy	45.6060N	10.2170E	126	From 2006-05-03
Concha del hosiptal Solca	SOCA	Ecuador	0.1364S	78.4677W	2887	From 2016-11-21
Conchagua	CNCH	El Salvador	13.2763N	87.8337W	1056	
Con Chiusa Politi	EPOL	Sicily,Italy	37.8625N	14.9915E	830	From 1994-10-01
Con Con	CCCH	Valparaiso,Chile	32.9228S	71.5158W	45	
Concord--Diablo Valley College	CNC	California,U.S.A.	37.9667N	122.0720W	36	From 1960-09-12 to 1966-12-06
Concordia	ITAB	Brazil	27.2349S	52.1313W	150	
Concordia	CNK	Kansas,U.S.A.	39.5080N	97.7130W	465	From 1978-04-18 to 2001-07-15
Concordia, Antarctica	CCD	East Antarctica	75.1065S	123.3050E	3240	From 2007-01-01
Concord Point, Cleveland Volcano	CLCO	Alaska,U.S.A.	52.7866N	169.7229W	137	From 2014-08-09
Concrete	CE-	Washington,U.S.A.	48.5225N	121.6872W	274	From 1962-10-15 to 1962-10-27
Concrete	CE-WA	Washington,U.S.A.	48.5225N	121.6872W	274	From 1962-10-15 to 1962-10-27
Con Cuong	CCVB	Vietnam	19.0485N	104.8768E	30	From 2008-01-01
Conde	G31A	South Dakota,U.S.A.	45.2254N	98.2083W	393	From 2010-09-02 to 2012-06-27
Condofuri	CNDF	Italy	38.0032N	15.8572E	357	From 2013-06-15
Condor	PP03	Peru	13.5412S	75.5242W	1400	
Cone Mtn., Paradox Valley	PV21	Colorado,U.S.A.	38.5612N	108.9749W	2235	
Cone Peak	CPK	Hawaii,U.S.A.	19.3950N	155.3280W	1038	From 1967-11-01
Confresa	CFSA	Mato Grosso	10.1729S	51.2048W	286	From 2015-06-28
Congro	PCNG	Azores,Portugal	37.7670N	25.3960W	578	From 2003-01-01
Conil	CNIL	Spain	36.3700N	6.0545W	63	
Connealy Angus Ranch, Whitman	L28A	Nebraska,U.S.A.	42.0073N	101.5196W	1155	From 2009-06-05 to 2011-04-09
Connel	CNL	Washington,U.S.A.	46.6530N	118.9170W	293	From 1970-06-01 to 1975-02-28
Connelly Farm, Tescott	Q33A	Kansas,U.S.A.	38.9982N	97.8327W	422	From 2009-10-27 to 2011-08-24
Conner	APYP	Luzon,Philippines	17.8620N	121.2430E	50	
Conniff Cattle Co., Rinco	122A	New Mexico,U.S.A.	32.6995N	107.0005W	1333	From 2008-02-01 to 2009-12-09
Co Noi	MUVB	Vietnam	21.3432N	104.1085E	485	
Cono NE Rev Volc	CONE	Ecuador	0.0699S	77.6425W	2685	From 2003-03-08
Conover	COWI	Wisconsin,U.S.A.	46.1003N	89.1369W	523	
Conrad Observatory	CONA	Austria	47.9282N	15.8618E	1046	
Conrad Observatory	CSNA	Austria	47.9282N	15.8588E	1039	From 2006-12-13
Constanta	CTISU	Romania	44.1840N	28.6491E	74	From 2012-10-31
CONSTANTA	CCF	Romania	44.1434N	28.6730E	35	From 2007-08-16
Constanta Port	TSCT	Romania	44.1608N	28.6572E	68	From 2013-05-10
Constantine	CCO1	England,United Kingdom	50.1357N	5.1957W	168	From 1981-01-01
Constantine	CNS	Algeria	36.3700N	6.6125E	670	
Constitucion	CONS	Maule,Chile	35.3229S	72.4131W	110	
Constitucion	CTCH	Maule,Chile	35.3308S	72.4119W	10	From 2004-09-08
Contact Creek	CNTC	Alaska,U.S.A.	58.2645N	155.8837W	1158	From 1996-08-01
Contact Creek Katmai	Q17K	Alaska,U.S.A.	58.2637N	155.8865W	1165	From 2016-06-05
Contao	CNTO	Chile	41.8022S	72.7182W	10	From 2008-05-06
Conthey, Agroscope, VS	CON01	Switzerland	46.2117N	7.3035E	482	From 2018-07-16
Contigliano	LCNT	Italy	42.4114N	12.7680E	431	From 2007-04-04
Contrada Cassone	ECCS	Sicily,Italy	37.7105N	15.0643E	1500	From 1994-10-01
Contwyoto Lake 2	COWN	Northwest Territories,Canada	65.2679N	111.1860W	513	
Convento San Francisco - Quito	SANF	Ecuador	0.2193S	78.5159W	2882	
Convict Lake	MCMM	California,U.S.A.	37.6094N	118.8736W	2219	
Convict Lake	MCVM	California,U.S.A.	37.5900N	118.8291W	2542	
Conway	CW-	Arkansas,U.S.A.	35.1356N	91.9778W	152	From 1962-05-09 to 1962-06-09
Conway	CW-AR	Arkansas,U.S.A.	35.1356N	91.9778W	152	From 1962-05-09 to 1962-06-09
COOCHBEHAR	COBR	West Bengal	26.2940N	89.4610E	39	From 2018-03-13
Cook Canyon	CKC	California,U.S.A.	34.1363N	117.1750W	550	
Cookes Peak, Deming	121A	New Mexico,U.S.A.	32.5324N	107.7851W	1652	From 2008-02-12
Cook Lake	COKN	Northwest Territories,Canada	63.2702N	108.7623W	357	From 2008-07-10
Cook Peak	WCOM	California,U.S.A.	35.6225N	118.4380W	1609	
Cook Ranch	COK	California,U.S.A.	32.8492N	115.7270W	-15	From 1973-04-16
Cook Ranch 2	COK2	California	32.8505N	115.7284W	-14	From 2013-02-13
Cooks Store, Concordia	Q38A	Missouri,U.S.A.	38.9609N	93.6182W	228	From 2010-12-03 to 2012-10-20
Coolgardie	COOL	Western Australia,Australia	30.8838S	121.1450E	500	From 1988-08-01 to 2006-05-29
Coonabarabran	EPSO	New South Wales,Australia	31.2601S	149.2209E	563	From 2009-12-01
Cooney Tunnel	COO	New South Wales,Australia	30.5778S	151.8917E	653	From 1974-08-17 to 1999-08-25
Coon Peak	CPU	Utah,U.S.A.	40.6731N	112.1900W	2228	From 1974-11-01
Cooper Cave	CPCT	Tennessee,U.S.A.	35.4498N	84.5218W	275	
Cooper Hill	PQ0	Maine,U.S.A.	44.9863N	67.4674W	219	
Cooper Hollow Wildlife Area	CHWO	Ohio	38.9360N	82.5260W	231	From 2018-05-01 to 2500-06-01
Cooper Landing	O22K	Alaska,U.S.A.	60.4814N	149.7241W	140	From 2014-05-21
Cooper Mountain	CMTX	Texas,U.S.A.	33.0105N	100.8420W	811	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Coopers Lake	CKM	Montana,U.S.A.	47.0666N	112.9100W	1353	From 1974-08-02 to 1976-10-31
Cooperstown	K59A	New York,U.S.A.	42.7750N	74.8525W	570	From 2013-09-15
Coope Vega, San Carlos, Alajuela	COVE	Costa Rica	10.7195N	84.4019W	115	From 2010-06-03
Cooralya Station, Carnarvon	CVQOZ	Western Australia	24.4457S	114.0780E	37	From 2019-03-13
Copaceanca	COPA	Romania	44.1343N	25.2172E	114	From 2012-11-07
Copaltepe	COPN	Nicaragua	12.1800N	86.5917W	150	
Copenhagen	COP	Denmark	55.6853N	12.4325E	13	From 1962-01-01
Copete-Rev Volc	ECOPE	Ecuador	0.1061S	77.6206W	2350	From 2003-02-17 to 2003-09-01
Copeton	COPM	New South Wales,Australia	29.9178S	150.9347E	571	
Copiapo	CPCH	Atacama,Chile	27.3580S	70.3530W	371	
Copiapo	CPP	Atacama,Chile	27.3542S	70.3511W	384	
Copiapo@15	GO03	Atacama,Chile	27.5937S	70.2347W	743	
Copper Creek	COMT	Montana	47.0788N	112.6144W	1664	From 2018-08-23
Coppermine	CMC	Northwest Territories,Canada	67.8333N	115.0833W	31	From 1963-03-15 to 1969-12-06
Copper Mountain	CPM	California,U.S.A.	34.1540N	116.1970W	937	
Copperopolis	MCUM	California,U.S.A.	37.9732N	120.6195W	309	From 1972-04-19 to 2011-11-26
Copperopolis Broadband	MCUB	California,U.S.A.	37.9754N	120.6202W	408	
Copper Ridge	CPRT	Tennessee,U.S.A.	36.1567N	83.8807W	2188	From 2001-05-10
Coppito (AQ)	T0109	Italy	42.3600N	13.3382E	754	From 2009-04-08 to 2009-04-09
Coquitlam Dam	COQB	British Columbia,Canada	49.3542N	122.7747W	161	
Corbin	CNV	Virginia,U.S.A.	38.2050N	77.3733W	70	From 1978-07-01
Corbin Fredericksburg Observatory	CBN	Virginia,U.S.A.	38.2046N	77.3732W	70	From 1971-01-01
Corcelles	OG35	Rhone-Alpes,France	46.0445N	5.5715E	900	From 2008-04-04
Corcovado	CHP2	Peru	4.6161S	80.8131W	200	From 1979-12-01
Corcovado	CRCV	Patagonia	43.1540S	72.8146W	1105	From 2010-01-01
Cord	V42A	Arkansas,U.S.A.	35.8060N	91.3900W	134	From 2011-05-13 to 2013-02-15
Cordova	CDI	Alaska,U.S.A.	60.4967N	145.4933W	65	From 1964-04-02 to 1964-05-08
Cordova	CVA	Alaska,U.S.A.	60.5465N	145.7490W	90	From 1971-08-31
Cordova Ski Area	EYAK	Alaska,U.S.A.	60.5487N	145.7500W	133	From 2002-10-03
Cordoza Dairy	HCZM	California,U.S.A.	36.9090N	121.8000W	30	From 1975-11-13
Corfu	CRF	Washington,U.S.A.	46.8250N	119.3870W	189	From 1970-07-01
Corinaldo	CRN	Italy	43.6308N	12.9978E	271	
Corinaldo	COR1	Italy	43.6318N	13.0003E	237	From 2011-04-13
Corinaldo (AN)	AD04	Italy	43.6440N	13.0398E	227	From 2010-03-31
Cork	CORK	Ireland	51.8833N	8.4667W		From 1914-01-01 to 1942-12-31
Corleone	CORL	Sicily,Italy	37.8943N	13.3038E	660	From 2006-04-19
Corleto Perticara	COPE	Italy	40.3834N	16.0692E	800	
Corleto Perticara (PZ)	TN05	Italy	40.3596N	16.0748E	587	From 2015-04-28 to 2016-02-24
Corlu	CRLT	Turkey	41.1290N	27.7360E	230	From 2002-01-01
Corn Cob Canyon	HCOM	California,U.S.A.	36.8875N	121.7080W	134	From 1975-11-19
Corn Creek	U11A	Nevada,U.S.A.	36.4230N	115.3835W	867	From 2006-06-20 to 2008-10-13
Corn Creek, Alamo	T11A	Nevada,U.S.A.	37.2408N	115.2202W	1402	From 2007-02-11 to 2008-09-16
Cornell	CN-WS	Wisconsin,U.S.A.	45.1928N	91.1281W	320	From 1962-05-10 to 1962-06-28
Cornell	CN-	Wisconsin,U.S.A.	45.1928N	91.1281W	320	From 1962-05-10 to 1962-06-28
Cornellia Hill	CORN	Puerto Rico	18.1635N	67.1794W	8	
Corner Brook	CBK	Newfoundland,Canada	48.9197N	57.9697W	380	
Cornillo Vecchio	MZ51	Italy	42.6379N	13.2857E	903	From 2016-10-14 to 2016-11-26
Cornillo Vecchio	MZ13	Italy	42.6384N	13.2846E	904	From 2016-09-20 to 2016-10-14
Corning	P52A	Ohio,U.S.A.	39.6337N	82.1325W	293	From 2012-07-24
Cornuda	CRND	Italy	45.8349N	12.0786E	159	From 2011-11-04
Cornuda	MCOR	Italy	45.8371N	11.9887E	394	From 2010-06-29
Cornudas Mountain, Dell City	224A	Texas,U.S.A.	32.0760N	105.5226W	1487	From 2008-02-28 to 2010-01-16
Cornudas Mountains	MNTX	Texas,U.S.A.	31.6985N	105.3821W	404	From 2004-04-01
Coroa da Mata	PMAT	Azores,Portugal	37.8160N	25.4710W	240	From 2003-01-01
Coron	BUSP	Palawan,Philippines	12.0030N	120.1990E	66	
Coron - 49109 - Maine-et-Loire - France	CRNF	Pays de la Loire	47.1349N	0.6498W	139	From 2019-12-16
Corona	CRNC	California,U.S.A.	33.8757N	117.5611W	135	
Coronado	CORON	Costa Rica,Costa Rica	9.9730N	84.0028W	1427	
Corona Quarry	COQ	California,U.S.A.	33.8605N	117.5097W	205	From 1976-01-01
Coronation Park	CORO	Tasmania,Australia	41.4522S	147.1450E	30	From 1996-01-01
Coronel Fontana	CFAA	San Juan,Argentina	31.6048S	68.2375W	577	From 2004-12-22
Coronel Fontana	CFA	San Juan,Argentina	31.6048S	68.2375W	621	
Corozal	CORZ	Panama	8.9810N	79.5758W	6	
Corozal, CORO	CCORO	Costa Rica	9.9729N	85.1711W	50	From 1999-12-06 to 2000-06-18
Corral	LR04	Chile	39.8802S	73.4258W	93	From 2015-09-14
Corral Hollow	CSTL	California,U.S.A.	37.6392N	121.4980W	205	From 1981-02-18
Correggio	CODE	Italy	44.7980N	10.7150E	27	
Correggio Bag	ZAVE	Italy	44.7542N	10.7030E	33	
Correggio Fan	FANE	Italy	44.7670N	10.7362E	33	
Correggio Man	MAN1	Italy	44.7822N	10.7855E	29	
Correggio (RE)	T0815	Italy	44.8731N	11.7198E	1	From 2012-05-20 to 2012-09-18
Correggio--Silva	SILE	Italy	44.7550N	10.7970E	33	
Corrie	PCOU	Scotland,United Kingdom	55.9880N	4.1002W	267	From 1990-01-01 to 1991-01-01
Corrigin	CORI2	Western Australia	32.0857S	117.7549E	300	From 2017-07-17
Corrigin	CORI1	Western Australia	32.1421S	117.7457E	300	From 2017-07-12
Corte	CORF	Corse,France	42.2980N	9.1530E	475	From 2005-06-22
Cortez Mining, Crescent City	O10A	Nevada,U.S.A.	40.2917N	116.4999W	1470	From 2006-05-16 to 2008-08-15
Cortoghiana (CI)	SU05	Italia	39.2158N	8.4808E	127	From 2014-09-23 to 2015-09-01
Corum	CORM	Turkey	40.1785N	34.6302E	1292	From 2004-12-15
Corum	CTKT	Turkey	40.6231N	34.7897E	1650	From 2002-03-01
Corum-Alaca	COAL	Turkey	40.2548N	34.9860E	1154	From 2010-11-30
orum-Kargı	KAGI	Turkey	41.1384N	34.4782E	448	From 2013-02-28
Corum_Osmancik	CTAK	Turkey	40.6478N	34.7914E	1775	From 2011-05-31
Corvallis	COR	Oregon,U.S.A.	44.5857N	123.3030W	121	From 1950-12-01
Cosenza	GERV	Italy	39.2958N	16.2309E	310	From 2018-04-26
Cosenza castello	CSC2	Italy	39.2863N	16.2578E	361	From 2013-06-24
Cosiguina	COS	Nicaragua	12.9580N	87.5752W	500	From 1975-01-01
Cosiguina Volcano	CSGN	Nicaragua	12.9763N	87.5588W	746	From 2012-01-01
Cosmesti PH	COSR	Romania	45.8553N	27.3119E	80	From 2018-03-26
Coso Basin North	CBHM	California,U.S.A.	35.9882N	117.7500W	890	From 1975-09-26
Coso Springs S	WCSM	California,U.S.A.	36.0263N	117.7670W	1143	From 1975-09-26
Coso Springs South	CSSM	California,U.S.A.	36.0263N	117.7670W	1143	From 1975-09-26
Cossito	MZ52	Italy	42.6738N	13.2938E	980	From 2016-11-02 to 2016-11-25
Cossito	MZ04	Italy	42.6739N	13.2938E	978	From 2016-09-19 to 2016-10-14
Costabrunella	DCOS	Italy	46.1312N	11.5848E	2035	From 2017-09-04
Costa De Nobili, Padulino	A284A	Italy	45.1371N	9.3837E	99	From 2015-09-20
Costa Raja	CRJA	Sicily,Italy	37.8016N	13.0043E	560	From 2000-07-01
Costarelle (FG) Italy	OT07	Italy	41.6213N	15.7194E	154	From 2013-04-15
Cotabato	CTB	Mindanao,Philippines	7.2000N	124.2000E	50	
Cotabato--PC Hill	CTBH	Mindanao,Philippines	7.2210N	124.2460E	50	
Cotacachi	COTA	Ecuador	0.3350N	78.3378W	4020	From 1988-07-22
Cotacachi (Casa del Agua)	ACOT	Ecuador	0.2949N	78.2745W	2482	From 2012-03-29
Cotillion Park	DCA3	Alberta,Canada	56.1665N	119.6977W	284	
Cotoan	CTCR	Costa Rica	8.8962N	82.7593W	1620	From 1989-01-01
Cotopaxi	VCES	Ecuador	0.7999S	78.3944W	4044	
Cotopaxi 1	VC1	Ecuador	0.6420S	78.4030W	4103	From 1988-07-08
Cotopaxi Ecuador	ISUC	Ecuador	0.6428S	78.4970W	3701	From 2016-01-06
Cotopaxi, S02	SCR02	Colorado	38.3033N	105.4757W	2347	
Cotopaxi Volc	COV1	Ecuador	0.6621S	78.3437W	4979	From 2001-12-15
Cotopaxi Volcano	BNAS	Ecuador	0.6713S	78.4805W	3919	From 2007-07-01
Cotopaxi Volcano	BMOR	Ecuador	0.7308S	78.4588W	4337	From 2007-07-01
Cotopaxi Volcano	BTAM	Ecuador	0.6750S	78.3968W	4292	From 2007-07-01
Cotopaxi Volcano	BREF	Ecuador	0.6697S	78.4405W	4859	From 2007-07-01
Cotopaxi Volcano	BVC2	Ecuador	0.6575S	78.4118W	4408	From 2007-07-01
Cotopaxi Volc (N)	PITA	Ecuador	0.5585S	78.4326W	3610	From 2001-12-03
Cotopaxi Vol south	MOV1	Ecuador	0.7132S	78.4405W	4782	From 2002-01-11
Cottage Court Castro Valley	C003	California,U.S.A.	37.7072N	122.0840W	74	From 2009-03-16
Cottage Hill, Dominica	MDCT	Dominica	15.6170N	61.4630W	77	From 2009-12-17
Cotton	D37A	Minnesota,U.S.A.	47.1581N	92.4262W	413	From 2010-08-29 to 2012-08-15
Cottongarden Point	CGPV	Virgin Islands	17.7635N	64.5842W	40	
Cotton Hill	PSDMB	Dominica	15.5850N	61.4570W	40	
Cottonwood	COTR	Nevada,U.S.A.	38.6417N	118.7718W	1890	
Cottonwood Avenue, Hayward	C055	California,U.S.A.	37.6574N	122.1104W	-15	From 2011-04-20
Cottonwood Creek, Lone Pine	CWC	California,U.S.A.	36.4399N	118.0802W	1595	From 1965-10-15
Cottonwood Mountains	CTW	California,U.S.A.	33.6773N	115.8721W	504	From 1977-08-24
Cottonwood Pass, N09	NCR09	Colorado	39.4896N	107.1107W	2300	
Cottonwood Point	CWPT	Missouri,U.S.A.	36.0091N	89.6264W	76	
CO. Tuti	BS10	Bolivia	17.4580S	65.8583W	4161	From 2011-11-09
Coulons	VTURT	Vanuatu	15.3281S	167.1665E	32	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
County Road 4760 near Route FM1970, Timpson	ETX07	Texas,U.S.A.	31.8965N	94.4708W	107	
County Road 4772, Timpson	ETX01	Texas,U.S.A.	31.8747N	94.4278W	111	
Cournillens	SCOU	Switzerland	46.8540N	7.1037E	600	From 2008-04-16
Court-Saint-Etienne	BCES	Belgium	50.6061N	4.5767E	167	From 2010-07-13
Covasna	CVO	Romania	45.8222N	26.1739E	635	From 1982-09-01
Cove	G09A	Oregon,U.S.A.	45.2781N	117.7802W	1027	From 2006-08-11 to 2008-07-17
Cove Fort	CFU	Utah,U.S.A.	38.6189N	112.5390W	2012	
Cove Ranch, Picabo	J13A	Idaho,U.S.A.	43.3979N	114.1742W	1552	From 2006-12-09 to 2009-06-02
Covington	O49A	Ohio,U.S.A.	40.1880N	84.3353W	292	From 2012-06-21
Covington	CVTN	Tennessee,U.S.A.	35.5415N	89.6435W	101	
Cowboy Ranch, Jiggs	O11A	Nevada,U.S.A.	40.1313N	115.6570W	1948	From 2006-05-17 to 2008-08-12
Cow Camps Rge	CCRT	Tennessee,U.S.A.	35.4660N	84.0540W	940	From 1983-11-06
Cow Castle Creek	COW	South Carolina,U.S.A.	33.3817N	80.6993W	60	From 1977-10-23
Cowichan Lake Research St	CLRS	British Columbia,Canada	48.8203N	124.1309W	174	From 2014-09-11
Cowlitz River	CWZ	Washington,U.S.A.	46.4910N	122.0120W	305	
Cow Mountain	GCWM	California,U.S.A.	39.1308N	123.0760W	1089	
Coxcomb Mountains 2	CO2	California,U.S.A.	33.8472N	115.3447W	276	
Coxim-MS Brazil	COXM	Mato Grosso,Brazil	18.5328S	54.8183W	324	From 2011-09-26
Coxquihui	CXUV	Veracruz	20.1735N	97.5900W	379	
Cox Ranch, Sanderson	528A	Texas,U.S.A.	30.1615N	102.7880W	1183	From 2008-03-18 to 2010-02-11
Coxs Mills	Q54A	West Virginia,U.S.A.	38.9836N	80.8338W	254	From 2013-01-28
COY	COYCI	Baja California	31.9167N	116.1300W	966	
Coyhaique	COYC	Patagonia,Argentina	45.5723S	72.0813W	235	From 2004-12-20
Coyhaique	CYQE	Patagonia	45.5410S	72.0552W	503	From 2010-01-01
Coyoacan	CNCY	Mexico D.F.	19.3147N	99.1753W	2298	
Coyoacan	COVM	Mexico D.F.	19.3510N	99.1562W	2200	
Coyolito	COYO	Costa Rica	10.3614N	85.6493W	67	From 1999-12-06 to 2000-06-18
Coyote D'meter	CYD1	California,U.S.A.	37.5629N	122.0967W	-23	
Coyote Hills	LT8	California,U.S.A.	37.5590N	122.0940W	38	From 1966-12-15 to 1975-04-29
Coyote Hills	CCYM	California,U.S.A.	37.5517N	122.0910W	67	From 1975-05-01
Coyote Hills	CYH	California,U.S.A.	37.5590N	122.0940W	38	From 1966-12-15 to 1975-04-29
Coyote Hollow	CHOI	Idaho,U.S.A.	43.3125N	111.2130W	2103	From 1986-01-01
Coyote Mountain	COY	California,U.S.A.	33.3640N	116.3110W	232	From 1976-01-01 to 2008-06-11
Coyotepe	CYN	Nicaragua	11.9958N	86.0987W	345	From 2000-04-01
Coyote Point	JCPM	California,U.S.A.	37.5882N	122.3220W	14	
Cozia	COZ	Romania	45.3205N	24.3425E	1610	From 1982-09-01
CP-1	CPX	Nevada,U.S.A.	36.9300N	116.0550W	1285	From 1961-01-01 to 1991-01-14
CP-1	CPY	Nevada,U.S.A.	36.9319N	116.0559W	1304	From 1991-01-14 to 2002-10-10
CP-17	CPN	Nevada,U.S.A.	37.1438N	116.2710W	1759	From 1965-01-01 to 1970-12-31
CR12B	CR12B	Nicaragua	11.6946N	84.3671W	238	
CRAAG	ESS	Algeria	36.0000N	3.1000E	400	
Craco	CRAC	Italy	40.3650N	16.4350E	384	From 2006-02-22
Crafton Hills	CFT	California,U.S.A.	34.0352N	117.1110W	671	From 1975-01-01
Craig	CGC	Colorado,U.S.A.	40.5233N	107.5620W	1925	From 1970-01-01 to 1972-11-30
Craig	CRAG	Alaska,U.S.A.	55.4689N	133.1230W	57	From 2004-12-10
Craig Goch	HCG	Wales,United Kingdom	52.3225N	3.6567W	511	From 1980-11-01
Craigsville	CX-WV	West Virginia,U.S.A.	38.3231N	80.6403W	732	
Craigsville	CX-	West Virginia,U.S.A.	38.3231N	80.6403W	732	
CRAIOVA	CRAR	Romania	44.3250N	23.7999E	125	From 2004-06-28
CR and CF Franklin Farms, Melrose	X26A	New Mexico,U.S.A.	34.5508N	103.8103W	1393	From 2008-04-29 to 2010-03-19
Crane	KR-	Oregon,U.S.A.	43.4175N	118.5122W	1402	
Crane	KR-OR	Oregon,U.S.A.	43.4175N	118.5122W	1402	
Crastes	CRAS	Midi-Pyrenees	43.7210N	0.7292E	205	From 2015-07-13
Crater	A10	Costa Rica	10.4611N	84.7156W	830	
Crater Central, Volcan Turrialba, Cartago	VTUN	Costa Rica	10.0226N	83.7635W	3239	From 2010-01-01
Cratere Ovest, Vesuvio (NA), Italy	CRTO	Italy	40.8212N	14.4223E	1121	From 2006-09-01
Crater GGP	CGGP	Ecuador	0.1765S	78.6058W	4400	From 1993-03-13
Crateri Nord Est	ECNE	Sicily,Italy	37.7653N	15.0019E	2957	From 2009-09-23
Crater Lake	VCLM	Oregon,U.S.A.	42.8785N	122.1200W	2048	
Crater Peak	CRP	Alaska,U.S.A.	61.2670N	152.1550W	1622	From 1981-08-26
Crater Peak Alternate	CPAM	Alaska,U.S.A.	61.2548N	152.1420W	1192	From 1992-10-29
Crater Peak Broadband	SPCP	Alaska,U.S.A.	61.2661N	152.1529W	1616	
Crater Peak Rim	CPKM	Alaska,U.S.A.	61.2633N	152.2330W	2017	From 1991-10-01
Crater Peak Two	CP2	Alaska,U.S.A.	61.2642N	152.2420W	1981	From 1992-10-26
Crater poas	CRPO	Costa Rica	10.1953N	84.2261W	2471	From 2011-10-01
Craters of Moon	COMI	Idaho,U.S.A.	43.4618N	113.5940W	1890	From 1992-01-01
Crater Summit	SSV	St Vincent,Saint Vincent and the Grenadines	13.3270N	61.1930W	824	From 1979-01-16
Crater, Volcan Turrialba, Cartago	VTUC	Costa Rica	10.0240N	83.7620W	3191	From 1984-04-01
Crater Von Franzius, Volcan Poas	POA5	Costa Rica	10.2044N	84.2297W	2425	From 1984-04-01
Crawford Street Concord	C035	California,U.S.A.	37.9698N	122.0269W	23	From 2010-04-08
Crawfordville	553A	Florida,U.S.A.	30.1890N	84.4317W	16	From 2012-02-07
Crazy Canyon	PCCM	California,U.S.A.	36.0898N	121.1636W	372	
Crazy Man Mountain	CZM	Washington,U.S.A.	46.4353N	122.5060W	620	From 1980-04-01
Creal Springs	CSIL	Illinois,U.S.A.	37.6319N	88.7900W	168	
Creekview Farms, Bingham Lake	I35A	Minnesota,U.S.A.	43.8565N	94.9829W	428	From 2010-07-28 to 2012-05-22
Creighton Mine,Sudbury	DSNO	Ontario,Canada	46.4715N	81.1870W	-1723	From 2006-11-09
Creighton Mine,Sudbury	SSNO	Ontario,Canada	46.4715N	81.1870W	277	From 2006-11-09
Crenshaw	X44A	Mississippi,U.S.A.	34.4998N	90.1462W	109	From 2011-05-10 to 2013-02-08
Crescent City	M01C	California,U.S.A.	41.8473N	124.1221W	38	From 2006-05-19 to 2007-11-16
Crescent Cliff	LCFM	California,U.S.A.	40.4863N	121.5240W	840	From 1976-11-12
Crested Butte, Gunnison	Q22A	Colorado,U.S.A.	38.8627N	106.9096W	2727	From 2007-12-18 to 2010-02-07
Crestline	CSL	California,U.S.A.	34.2497N	117.2780W	1490	
Crestview	450A	Florida,U.S.A.	30.8038N	86.5863W	77	From 2012-01-19
Crete	CTN	Nebraska,U.S.A.	40.6222N	96.9483W	432	
Crete	CR-NB	Nebraska,U.S.A.	40.6644N	96.8542W	442	From 1965-10-26 to 1966-10-14
Crete	CR2NB	Nebraska,U.S.A.	40.6367N	96.8483W	418	
Crete	CR-	Nebraska,U.S.A.	40.6644N	96.8542W	442	From 1965-10-26 to 1966-10-14
crte de Spivol - 06156, Venanson - Alpes-Maritimes - Provence-Alpes-Cote d'Azur	SPIF	Provence-Alpes-Cote d'Azur,France	44.0559N	7.2366E	1357	From 2014-07-17
Creve Coeur	CCMO	Missouri,U.S.A.	38.7200N	90.4670W	152	
Crevison Peak	HCPM	California,U.S.A.	37.1945N	121.1850W	513	From 1979-11-15 to 1988-02-15
Cripan	ECRI	Spain	42.6089N	2.5100W	807	From 1986-10-01
Cripple Cowboy Ranch, Baxter Pass	P19A	Colorado,U.S.A.	39.6333N	108.9812W	2099	From 2007-08-21 to 2010-02-07
Cripps Ranch, Grass Range	D19A	Montana,U.S.A.	47.1646N	108.8800W	1047	From 2008-08-29 to 2010-06-05
CRISS	CRISS	Bolivia	19.3747S	65.9295W	3566	From 1994-05-30 to 1995-01-07
Crissiumal (Brazil)	CRSM	Rio Grande do Sul	27.4937S	54.0433W	304	From 2016-05-17
Cristalandia	CRIB	Tocantins,Brazil	10.5280S	49.0330W	305	
Cristobal, Colon	SPIL	Panama	9.2625N	79.9300W	41	From 2010-01-01
Criterion Ridge	CROR	Oregon,U.S.A.	44.9828N	120.9880W	1015	From 1987-08-01
Criteuil-la-Magdeleine - 16116 - Charente - France	CLMF	Poitou-Charentes	45.5226N	0.1957W	26	From 2019-11-18
Crittenden County--Downhole	CRID	Arkansas,U.S.A.	35.3020N	90.3330W	36	From 1982-03-16
Crittenden County--Surface	CRIS	Arkansas,U.S.A.	35.3020N	90.3330W	64	From 1981-12-16
Crivoux	CREF	Provence-Cote d'Azur,France	44.5495N	6.6228E	1680	From 1993-05-12
Crix¡s, GO	CRI1	Goias	14.6120S	49.9827W	410	From 2017-09-21
Crni Vrh	CRNS	Slovenia	46.0807N	14.2613E	689	
Crocker Grade	CRGC	California,U.S.A.	35.2422N	119.7249W	1169	From 1976-06-01
Crocket Farms Inc., Mclean	W30A	Texas,U.S.A.	35.1818N	100.5770W	870	From 2009-03-25 to 2011-02-15
Crockett	338A	Texas,U.S.A.	31.3567N	95.3106W	137	From 2010-02-18 to 2011-12-12
Crockett Middle School (Pecos)	PCOS	Texas	31.4090N	103.5102W	692	From 2019-03-27 to 2599-12-31
Croghan	DCN	Ireland	53.3439N	7.2767W	150	From 1976-11-01
Croghan	CROG	New York,U.S.A.	43.9050N	75.4125W	244	From 1977-07-27 to 1986-09-30
Crognaleto (TE)	T1246	Italy	42.5833N	13.4930E	1133	From 2016-08-28 to 2017-09-21
Cromwell	M47A	Indiana,U.S.A.	41.3594N	85.6214W	283	From 2012-09-05
Crook	LCK	England,United Kingdom	54.3595N	2.8715W	200	From 1989-01-01 to 1992-10-13
Crookston	C32A	Minnesota,U.S.A.	47.8255N	96.5281W	286	From 2010-10-23 to 2012-06-25
Crookwell	CKWL	New South Wales,Australia	34.4523S	149.4658E	910	From 2011-02-21
Cross D Ranch, Liberty	539A	Texas,U.S.A.	30.1084N	94.7236W	15	From 2010-04-13 to 2011-11-10
Cross Fire Station	CFS	South Carolina,U.S.A.	33.2787N	80.1693W	26	From 1988-05-30
Cross River	CRNY	New York,U.S.A.	41.3118N	73.5482W	293	From 1981-12-01
Crosstimbers Borehole	TUL0	Oklahoma,U.S.A.	35.9126N	95.7903W	-571	
Crossville	CS-	Tennessee,U.S.A.	35.8153N	85.1594W	579	From 1963-01-01 to 1963-03-21
Crossville	CS-TN	Tennessee,U.S.A.	35.8153N	85.1594W	579	From 1963-01-01 to 1963-03-21
Crow Canyon Rd	CCNM	California,U.S.A.	37.7915N	121.9480W	219	From 1976-02-05
Crow Canyon Road	CYC	California,U.S.A.	37.7915N	121.9480W	219	From 1976-02-05
Crowheart	J19A	Wyoming,U.S.A.	43.2649N	109.0531W	1782	From 2008-08-08 to 2010-09-12
Crowley Lake	CLKR	California,U.S.A.	37.5907N	118.8240W	2576	From 1979-11-01 to 2012-05-17
Crown Mine	CMN	Nevada,U.S.A.	40.8160N	117.5280W	1792	From 1964-01-01 to 1999-08-25
Crown Mines	CRWM	Transvaal,South Africa	26.2370S	28.0150E	1704	From 2010-02-10
Crown Point	CPI	Idaho,U.S.A.	43.8667N	116.3000W		
Crows Nest Canyon	CNCI	Idaho,U.S.A.	43.9290N	113.4530W	1914	From 1992-01-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Crozet Islands	CRZF	Crozet Islands,France	46.4296S	51.8612E	140	From 1986-04-01
CROZET ISLANDS HYDROACOUSTIC SITE N1	H04N1	Crozet Islands,France	46.1608S	51.7792E	-1800	From 2003-10-02 to 2006-02-28
CROZET ISLANDS HYDROACOUSTIC SITE N2	H04N2	Crozet Islands,France	46.1644S	51.8025E	-1800	From 2003-10-02 to 2006-02-28
CROZET ISLANDS HYDROACOUSTIC SITE N3	H04N3	Crozet Islands,France	46.1772S	51.7832E	-1680	From 2003-10-02 to 2006-02-28
CROZET ISLANDS HYDROACOUSTIC SITE S1	H04S1	Crozet Islands,France	46.8409S	51.9130E	-1459	From 2003-10-02 to 2006-02-28
CROZET ISLANDS HYDROACOUSTIC SITE S2	H04S2	Crozet Islands,France	46.8536S	51.8935E	-1580	From 2003-10-02 to 2006-02-28
CROZET ISLANDS HYDROACOUSTIC SITE S3	H04S3	Crozet Islands,France	46.8354S	51.8870E	-1531	From 2003-10-02 to 2006-02-28
Crutchfield	CRU	Kentucky,U.S.A.	36.5950N	89.0200W	127	From 1974-07-12
CRUZ	CRUZ	Bolivia	19.1034S	66.2212W	4267	From 1994-05-30 to 1995-08-08
Cruzeiro do Sul	CZSB	Acre,Brazil	7.7299S	72.7049W	196	From 2014-07-17
Cruz Grande	CRIG	Guerrero	16.7363N	99.1311W	121	From 2014-03-23
Cruz Verde, Cundinamarca	CVER	Colombia	4.5213N	74.0737W	3608	From 2010-05-06
Crystal Lake	CLY	New York,U.S.A.	43.8513N	74.4490W	579	From 1971-09-01 to 1982-12-31
Crystal Lake, Glendora	XTL	California,U.S.A.	34.2960N	117.8622W	1643	
Crystal Springs Elementary School	CSEN	Washington,U.S.A.	47.8000N	122.2100W		
CS01	CS01	Romania	47.0970N	26.9260E	238	
CS02	CS02	Romania	46.9450N	26.5060E	341	
CS03	CS03	Romania	46.8050N	25.9090E	684	
CS04	CS04	Romania	46.6570N	26.0210E	1089	
CS05	CS05	Romania	46.3960N	25.8340E	673	
CS06	CS06	Romania	46.2260N	26.0980E	716	
CS07	CS07	Romania	46.0900N	25.6920E	553	
CS08	CS08	Romania	45.8450N	25.1900E	464	
Csakvar	PKSC	Hungary	47.3806N	18.4371E	200	
Csaszartoltes	PKB3	Hungary	46.4238N	19.1949E	-40	From 2016-03-01
CSIRO Animal Health Laboratory	GEAM	Victoria,Australia	38.1530S	144.3890E	100	
CSNet OBS 1	OSC1	Cyprus	33.5000N	31.2768E	-2361	From 2014-01-01
CSNet OBS 4	OSC2	Cyprus	33.0749N	32.2669E	-1560	From 2014-01-01
Cskako	CSKK	Hungary	47.3631N	18.2605E	320	From 2009-05-08
Ctre Commune Adrej	M018	Morocco	33.6228N	4.4485W	1090	
Ctre Commune Tamorot	M006	Morocco	34.9383N	4.7752W	1048	
CTS	CCTS	Costa Rica	9.5060N	84.1033W	66	From 2002-10-01 to 2003-03-15
Cu@15pira	CUPV	Venezuela	10.0570N	65.7880W	668	From 2002-10-23
Cuajimalpa	CJVM	Mexico D.F.	19.3615N	99.2850W	2204	
Cuauhtemoc	CTVM	Mexico D.F.	19.4430N	99.1657W	2230	
Cucapa	QKP	Mexico	32.3050N	115.3320W	53	
Cuckoo	IP01	Virginia,U.S.A.	37.9572N	77.9112W	109	
Cucuta, Santo Domingo	CCUC3	Colombia	7.8730N	72.5070W	443	From 2005-10-20
Cuddapah	CUD	India	14.4759N	78.7661E	137	
Cudjo Caverns	CCVA	Virginia,U.S.A.	36.6030N	83.6670W	571	From 1982-10-06
Cuervo	CUEV	Patagonia	45.1692S	73.0957W	1280	From 2017-10-01
Cuesta del Viento	ACDV	San Juan,Argentina	30.1708S	69.1197W	1572	
Cueva Verdes	CDLV	Canary Islands,Spain	29.1631N	13.4439W	37	
Cufio, Nario	CCUFI	Colombia	1.2270N	77.3460W	3813	From 2011-07-21
Cuglieri	CUG	Sardinia,Italy	40.1869N	8.5698E	445	
Cuicocha-Domo	CUIC	Ecuador	0.3040N	78.3611W	3165	From 2010-09-30
Cuicocha Este	CUSE	Ecuador	0.3053N	78.3991W	3354	From 2013-01-11
Cuicocha Oeste	CUSW	Ecuador	0.2862N	78.3508W	3027	From 2013-01-11
Cuida Lopez Mateos	AZVM	Mexico D.F.,Mexico	19.5848N	99.2830W	2409	From 2009-01-01
Cuipilapa	CUI	Costa Rica,Costa Rica	10.6577N	85.1640W	560	
Cukurca	CUKT	Turkey	37.2474N	43.6076E	1298	From 2005-10-01
Culebra	CUP	Puerto Rico	18.3350N	65.3090W	120	From 1975-07-01 to 1999-08-25
Culebra	CULB	Puerto Rico	18.3260N	65.3010W	161	
Culebra, Puerto Rico	CUPR	Puerto Rico	18.3074N	65.2825W	19	From 2011-06-01
Culiacan	CUL	Sinaloa,Mexico	24.8080N	107.3160W		
Cullowhee	W53A	North Carolina,U.S.A.	35.1696N	83.1630W	1180	From 2012-04-14
Cultus Mountains	CMW	Washington,U.S.A.	48.4237N	122.1190W	1190	
Cumana	CUM	Venezuela	10.4650N	64.1700W	24	From 1969-08-01
Cumanacoa	COAV	Venezuela	10.1580N	63.8270W	1232	
Cumana_UDO	CUMV	Venezuela	10.4267N	64.1933W	36	
Cumbal	MEVZ	Colombia	0.9487N	77.8773W	3654	
Cumbal	CMBC	Colombia	0.9408N	77.8250W	3420	From 1994-01-01
Cumberland Camp Nunavut	CMBN	Northwest Territories,Canada	65.6861N	64.4481W	289	From 2009-08-17
Cumberland Gap	CG-VA	Virginia,U.S.A.	36.6264N	83.2600W	396	From 1962-06-01 to 1965-07-23
Cumberland Gap	CG-	Virginia,U.S.A.	36.6264N	83.2600W	396	From 1962-06-01 to 1965-07-23
Cumberland Gap	CGTN	Tennessee,U.S.A.	36.5580N	83.7110W	704	From 1981-10-23 to 1982-04-03
Cumberland Plat.	CPO5	Tennessee,U.S.A.	35.6038N	85.5735W	570	
Cumberland Plateau	RSCP	Tennessee,U.S.A.	35.6000N	85.5689W	581	
Cumberland Plateau	CPO	Tennessee,U.S.A.	35.5948N	85.5704W	574	From 1963-02-13 to 1999-08-25
Cumberland Plateau	CPOT	Tennessee,U.S.A.	35.6038N	85.5735W	570	
Cumberland Plateau Observatory	CP-SO	Tennessee,U.S.A.	35.5947N	85.5706W	574	
Cumbre	CUMB	Ecuador	0.6700S	78.4300W	5820	
Cumbre, El Hierro	CCUM	Canary Islands,Spain	27.7459N	18.0301W	464	From 2011-07-01
Cummins Area School	AUCAS	South Australia,Australia	34.2600S	135.7200E	72	From 2013-08-11
Cumshewa	CWB	British Columbia,Canada	53.1581N	131.9970W	620	From 1985-09-01
Cunco	LC01	La Araucana	38.8975S	71.8761W	406	From 2014-01-14
Cunda Adasi-Balikesir	CUND	Turkey	39.3361N	26.6685E	73	From 2011-04-02 to 2013-12-01
Cupa	CUPA	Ecuador	0.3665N	79.5000W	113	From 1994-08-08
Cupone	CUP2	Italy	39.3834N	16.5482E	1200	From 2013-12-04
Curacav	MT02	Metropolitana	33.2591S	71.1377W	323	From 2014-03-04
Curaglia	CUNA	Switzerland	46.6711N	8.8467E	1400	From 2009-12-02
Curarigua	CURV	Venezuela	10.0130N	69.9610W	750	From 2002-06-20
Curarrehue	GO06	Neuquen,Argentina	39.5839S	71.4720W	1250	
Curley Farm, La Sal	R19A	Utah,U.S.A.	38.2916N	109.2607W	2035	From 2007-06-24 to 2009-03-06
Currant	CU-	Nevada,U.S.A.	38.6772N	115.4550W	1646	From 1963-09-09 to 1964-03-09
Currant	CND	Nevada,U.S.A.	38.8320N	115.2900W	2292	From 1975-11-01
Currant	CU-NV	Nevada,U.S.A.	38.6772N	115.4550W	1646	From 1963-09-09 to 1964-03-09
Currie	LR05	Chile	40.2300S	72.0040W	203	From 2016-01-15
Currie	O12A	Nevada,U.S.A.	40.2679N	114.7454W	1743	From 2006-05-18 to 2008-09-03
Curry Mountain	PCRM	California,U.S.A.	36.0938N	120.4350W	296	From 1975-09-04
Curtea de Arges	CAG1	Romania	45.1677N	24.6730E	443	From 2015-09-02
Curtis Ranch, S06	SCR06	Colorado	38.1096N	106.4819W	2603	
Curvelandia - Mato Grosso, Brazil	CUB	Mato Grosso	15.5656S	57.9889W	320	From 2020-01-01
CUSANO MUTRI	CUM07	Italia	41.3441N	14.4969E	511	From 2016-07-04
Cushendall	GCL	Northern Ireland,United Kingdom	55.0760N	6.1300W	275	From 1989-01-01
Cusmapa	CUS1	El Salvador	13.9125N	89.9463W	662	
Cusmapa	CUSS	El Salvador	13.9092N	89.9472W	678	
Cusp Creek	CCC	British Columbia,Canada	56.1233N	122.3000W		From 1967-12-01 to 1973-04-06
Cussignacco Udine	CUSI	Italy	46.0370N	13.2530E	90	
Cusua	CUSU	Ecuador	1.4428S	78.4805W	2700	
Cutbertbay	CUBY	Andaman Islands,India	12.3597N	92.5724E	14	From 2012-01-01
Cutro	CUTR	Italy	39.0218N	17.0737E	170	From 2018-12-12
Cuyoaco	CUPM	Puebla,Mexico	19.6036N	97.6186W	2450	
Cuyo Island	CUYO	Palawan,Philippines	10.8500N	121.0180E	196	
Cuyupaya	BS05	Bolivia	17.0133S	66.9428W	3540	From 2011-11-08
Cuzco	CUS	Peru	13.5633S	71.8767W	3240	
Cuzco--Tambomachay	PR05	Peru	13.4780S	71.9590W	3858	
Cypress Bend	CBD	Missouri,U.S.A.	36.3170N	89.6510W	84	From 1985-06-21
CZ01	CZ01	Romania	44.8190N	26.0210E	156	
CZ03	CZ03	Romania	45.1890N	26.5790E	213	
CZ04	CZ04	Romania	44.8860N	26.5090E	97	
CZ05	CZ05	Romania	44.6770N	26.2530E	166	
CZ06	CZ06	Romania	44.7700N	26.9090E	93	
CZ07	CZ07	Romania	44.5410N	27.1330E	50	
CZ08	CZ08	Romania	44.7410N	27.2940E	66	
CZ10	CZ10	Romania	44.9860N	27.8010E	55	
CZA	CZA	Poland	53.2290N	17.0940E	169	
D01	D01	France	49.5850N	5.2670E	220	
D50	D50	France	49.4430N	6.3730E	240	
D51	D51	France	49.3120N	6.2810E	251	
D53	D53	France	49.0550N	5.9910E	332	
Dabaa	DABA	Egypt	31.0098N	28.2814E	92	
Dabaa2	DABAA	Egypt	31.0470N	28.5039E	25	
Dabajuro	DABV	Venezuela	10.9220N	70.6360W	152	From 2002-04-17
Dabeiba	DBBC	Colombia	7.0175N	76.2097W	756	
Dabeiba, Colombia	DBCC	Colombia	8.7800N	76.2100W	756	From 2008-06-01
Dabo	DSRI	Peninsular Malaysia,Malaysia	0.4793S	104.5778E	58	From 2005-01-01
Dabrowa Gornicza	DGP	Poland	50.3292N	19.2142E	275	
Daday	BALT	Turkey	41.5342N	33.3858E	1746	From 1994-06-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Daecheong-do Republic of korea	DACB	Republic of Korea	37.8317N	124.7068E	71	From 2010-11-17
Daegu	KSDAG	Republic of Korea	35.7685N	128.8970E	263	From 2001-12-05
Daegwallycong	KSDGY	Republic of Korea	37.6904N	128.6742E	791	From 2001-12-11
Daejeon	KSTEJ	Republic of Korea	36.3681N	127.3712E	68	
Dafare	DAF	Djibouti	11.6077N	42.5292E	270	From 1976-03-01
Dagmar	DGMT	Montana,U.S.A.	48.4702N	104.1959W	646	From 2004-07-15
Dahal	DHLJ	Jordan	30.8200N	35.4020E	-80	From 1990-02-23
Dahanechah	IDAH	Iran	32.7390N	59.8680E	2277	From 2005-12-01
Dahlonega	X52A	Georgia,U.S.A.	34.6032N	83.8938W	481	From 2012-04-06
Dajia District, Taichung City	WDJ	Taiwan region	24.3478N	120.6403E	107	From 2013-01-18
Dakar	DAK	Senegal	14.6667N	17.4333W	30	
Dake	DAKH	Aomori,Japan	40.6311N	140.2725E	525	
Dakhla	HDK1	Egypt	25.5432N	29.4028E	570	From 2001-02-10
Dalaguete, Cebu	DACP	Cebu	9.7700N	123.5240E	120	From 2016-09-15
Dalandzadgad	DZD	Mongolia	43.5700N	104.4100E	1485	
Dalbeg	DLBQ	Queensland,Australia	20.1491S	147.2670E	116	From 1984-04-09
Dale	535A	Texas,U.S.A.	30.0290N	97.5711W	170	From 2009-12-16 to 2011-10-06
Dale-Ortello Valley, Anselmo	M30A	Nebraska,U.S.A.	41.5371N	99.8723W	853	From 2009-05-18 to 2011-04-10
Dalfsen	NE38	Netherlands	52.5038N	6.2592E	3	
Dalhousie	DLH	Himachal Pradesh,India	32.5417N	75.9667E	1960	
Dalia	MDAL	Morocco	35.9000N	5.4810W	30	From 2000-06-10
Dalian	DL2	Liaoning,China	38.9061N	121.6280E	62	From 1983-08-01
Dallas	DAL	Texas,U.S.A.	32.8461N	96.7839W	187	From 1953-12-14
Dallas	DLS	Texas,U.S.A.	32.8778N	96.7056W	169	From 1971-02-20 to 1975-12-31
Dallas	J30A	South Dakota,U.S.A.	43.3248N	99.4922W	608	From 2009-09-17 to 2011-08-21
Dallas Executive Airport	FW01	Texas,U.S.A.	32.6840N	96.8783W	203	From 2016-10-20
Dall Lake	M13K	Alaska,U.S.A.	60.4135N	163.3500W	9	From 2017-05-23
Dalmarnock	GGERF	Scotland	55.8410N	4.2220W	-183	From 2019-05-20
Dalny	DALK	Kamchatskaya Oblast',Russia	53.0311N	158.7536E	67	From 2009-06-28
Dalselv	N1R6	Norway	66.2610N	13.9700E	85	
Dalton	DALG	Georgia,U.S.A.	34.6088N	85.0137W	457	
Dalton	DLT	California,U.S.A.	34.1700N	117.8108W	478	From 1950-07-20 to 1959-08-29
Dalton Mountain	DMMT	Montana,U.S.A.	46.8623N	112.7150W	2039	From 1987-11-19 to 1990-07-10
Dalton (NSW)	DLN	New South Wales,Australia	34.7237S	149.1788E	544	From 1961-01-01
Dalton Road	CDAL	California,U.S.A.	37.7300N	121.7280W	190	From 1980-02-01
Dalyan (Mudla)	DALT	Turkey	36.7691N	28.6371E	548	From 2004-08-17 to 2009-04-08
Dalyan (Mula)	DALY	Turkey	36.8171N	28.6536E	3	From 2009-04-09
DAM1	DAMI1	Israel	31.2310N	35.4000E	-390	From 1986-09-01 to 1988-02-28
DAM2	DAMI2	Israel	31.1721N	35.4435E	-377	From 1986-08-01 to 1995-01-01
Daman	DMN	Nepal	27.6090N	85.1060E	2225	From 1980-03-27
Damascus University	DUSS	Syria	33.5110N	36.2880E	667	
Damasthipur	DMPR	India	17.5060N	77.7100E	641	
Damavand	DAMV	Iran	35.6302N	51.9708E	2300	From 2004-01-19
Damavand	IDMV	Iran	35.5772N	52.0322E	2546	From 1996-01-01
Damoulianata-Kefalonia-Greece	DMLN	Greece	38.2385N	20.3734E	370	From 2014-09-01
Dampier	DAM	Western Australia,Australia	20.6667S	116.6670E		
Damshung	NING	Xizang Zizhiqu,China	30.3794N	90.9126E	4189	From 1998-08-05 to 1998-08-15
Damuels	DAVA	Austria	47.2867N	9.8803E	1602	
Dana Ranch, Cascade	D16A	Montana,U.S.A.	47.0308N	111.5492W	1427	From 2007-09-27 to 2009-07-14
Danbuk	DNBA	Republic of Korea	36.3906N	128.4284E	99	From 2018-03-09
Danby, Needles	DANC	California,U.S.A.	34.6375N	115.3812W	428	From 1998-09-22
Danda	WDT	Taiwan region	23.7560N	121.1330E	2550	
Dandelion	DAH	Hawaii,U.S.A.	19.3570N	155.6670W	3003	
Dane	DAN	Ontario,Canada	48.0667N	80.0167W		
Daneborg	DBG	Greenland	74.3071N	20.2193W	107	From 2010-08-11
Dangenstorf	GOR5	Germany	52.9228N	11.2217E	-265	From 2014-03-21
Dangsing	DANN	Nepal	28.3500N	83.7600E	2500	From 1994-04-01
Daniels Canyon	DAU	Utah,U.S.A.	40.4125N	111.2560W	2771	From 1974-11-01
Danmarks Havn	DAG	Greenland	76.7714N	18.6547W	30	From 1972-09-14
Dannemora	DANY	New York,U.S.A.	44.8357N	73.7572W	507	From 1977-09-16 to 1982-05-13
Dannevirke	DVHZ	North Island,New Zealand	40.2988S	176.1666E	469	From 2008-01-14
Dannevirke	DNN	North Island,New Zealand	40.2007S	176.1085E	217	From 1932-07-01 to 1936-12-31
Dan Oppiter Farms, Dalhart	V27A	Texas,U.S.A.	35.7569N	102.8361W	1228	From 2009-04-14 to 2010-11-10
Danshui	NTST	Taiwan region	25.1644N	121.4492E	16	From 2008-10-15
Danta di Cadore ARPAV	DANT	Italy	46.5675N	12.5199E	1453	From 2015-06-30
Danville	A09A	Washington,U.S.A.	48.9752N	118.5851W	931	From 2006-09-13 to 2008-05-17
Darabani	DRBR	Romania	48.2073N	26.6091E	269	From 2016-02-10
Daramalan College	AUDAR	Australian Capital Territory,Australia	35.2500S	149.1400E	575	From 2011-05-04
Daraweish	JDRJ	Jordan	30.7280N	35.6660E	1365	From 1990-04-26
Daraweish	JRDJ	Jordan	30.7280N	35.6660E	1365	From 1990-04-26
Darb Altahta	DRBT	Syria	36.8513N	39.8112E	596	From 2002-04-01
Darband	DAR1	Pakistan	34.3790N	72.8690E	671	From 2009-09-20
Darband	DBP	Pakistan	34.3760N	72.8710E	704	From 1973-08-23 to 2009-09-20
Darby	F13A	Montana,U.S.A.	45.7893N	114.3317W	1462	From 2006-10-18 to 2009-06-11
Dar Chioukh	ADCK	Algeria,Algeria	34.9114N	3.4480E	1200	
Dareh Seyedi	BDRS	Iran	33.9543N	48.8808E	2493	From 2013-09-10
Darel	DRL	Pakistan	35.7250N	73.6460E	2117	From 2007-09-01
Darende-Malatya	DARE	Turkey	38.5712N	37.4832E	1080	From 2007-07-31
Darfield	DFHS	South Island	43.4913S	172.1020E	210	
Dar Kharkhour	DKH	Morocco	35.4880N	5.3608W	1237	
Dark Hollow, Roseland	S57A	Virginia,U.S.A.	37.7605N	78.9536W	264	From 2013-03-28
Darkhovein	SCNT	Iran	30.7070N	48.3901E	1	From 2010-08-11
Dar Kodiat	DKD	Morocco	30.3600N	9.1460W	345	From 2001-06-02
Darlington East Ontario	DREO	Ontario,Canada	43.8724N	78.7040W	94	From 2007-06-22
Darlington West	DRWO	Ontario,Canada	43.8719N	78.7300W	59	From 2007-06-20
Darmstadt	WBDA	Hessen	49.8747N	8.6583E	150	From 2016-08-26
Darmstadt	WBB	Hessen,Germany	49.8434N	8.6626E	240	From 2003-01-10
Darouich	DRWC	Syria	36.6211N	36.6667E	920	From 1995-08-01
Darouneh	DARN	Iran	35.1769N	57.4198E	837	From 2013-03-21
Darpas	DARS	Armenia	40.8517N	44.4300E	1525	
Darrouzett	DRZT	Texas,U.S.A.	36.4440N	100.2969W	791	From 2017-08-09
Dar Sule	SULE	Ethiopia	12.7351N	41.1396E	85	
Dartmouth	DRT	Victoria,Australia	36.5833S	147.4920E	950	From 1975-12-01
Dartmouth Bedrock	DDBM	Victoria,Australia	36.5578S	147.5115E	329	
Dartmouth Crest	DDCM	Victoria,Australia	36.5609S	147.5241E	494	
Dartmouth Digital	DTMM	Victoria,Australia	36.5293S	147.4686E	436	
Daru	DNG	Papua New Guinea	9.0885S	143.2060E	3	
Darwin	DAR	Northern Territory,Australia	12.4083S	130.8180E	6	
Darwin (Calif)	DAC	California,U.S.A.	36.2770N	117.5937W	1813	From 1960-06-01
Darwin High School	AUDHS	Northern Territories,Australia	12.4400S	130.8300E	26	From 2013-08-11
Darwin Parliament House	DPH	Northern Territory,Australia	12.4667S	130.8423E	45	From 2009-01-01
Darwin Rock Store	DRS	Northern Territory,Australia	12.4313S	130.8993E	44	From 2009-01-01
Dashabbas	IDSA	Iran	32.4828N	47.8416E	0	From 1998-01-01
Dashiqiu	XPSS	Taiwan region	26.9300N	120.1900E	0	From 2011-07-22
Dashti - Bushehr	DSBU	Iran	28.3625N	51.2602E	655	From 2016-12-03
Dasu	KMD1	Pakistan	35.2600N	73.2300E	902	From 2012-01-01
Datca	DAT	Turkey	36.7290N	27.5778E	1100	From 2005-10-08
Datca-Mugla	DATC	Turkey	36.7592N	27.6606E	89	From 2011-04-07
Datong	TTC	Shanxi,China	40.1350N	113.2370E	1175	
Datong	NNSB	Taiwan region	24.4284N	121.3828E	1102	From 2006-03-23
Datong	LATG	Taiwan region	24.5353N	121.5264E	1020	From 2013-05-22
Datong	NNSH	Taiwan region	24.4284N	121.3829E	1106	From 2011-01-05
Datong Township	NDT	Taiwan region	24.6025N	121.5128E	239	From 2013-01-18
Davao	DAP	Mindanao,Philippines	7.0667N	125.6000E	19	From 1972-01-01 to 1999-08-25
Davao City--Mintal	DMPH	Mindanao,Philippines	7.0830N	125.5080E	150	
Davao City (W)	DAV	Mindanao,Philippines	7.0700N	125.5790E	145	From 1964-08-24
Davao Weather Station	DWP	Mindanao,Philippines	7.1272N	125.6557E		
Davenport	DVW	Washington,U.S.A.	47.6383N	118.2260W	717	From 1975-06-01
Davenport	DPW	Washington,U.S.A.	47.8706N	118.2030W	892	From 1986-11-01
Davenport Ranch, Sheffield	429A	Texas,U.S.A.	30.6248N	101.8938W	804	From 2009-02-13 to 2010-12-11
David	CCCH3	Panama	8.4318N	82.4358W	68	
David	DVD	Panama	8.4358N	82.4506W	20	From 1986-06-01
David-gareji	DGRG	Georgia,Georgia	41.4507N	45.3732E	690	
David Mesa, Paradox Valley	PV11	Colorado,U.S.A.	38.2989N	108.8727W	1882	
Da Vinci Academy	DAIL	Illinois,U.S.A.	41.9776N	88.3414W	647	
Davis	J33A	South Dakota,U.S.A.	43.3185N	96.9667W	400	From 2010-07-27 to 2012-05-17
Davis Base, Antarctica	I03AU	Antarctica	68.5839S	78.0685E	64	From 2018-09-06
Davis Peak	DPD	California,U.S.A.	35.2330N	120.7817W	488	
Davis Ranch, Arriba	P26A	Colorado,U.S.A.	39.5602N	103.3465W	1566	From 2008-12-02 to 2010-10-14

Station Name	*Code*	*Location*	*Geographical Co-ordinates*		*Altitude m*	*Remark*
Davis Street Fremont	C022	California,U.S.A.	37.5361N	121.9750W	10	From 2009-07-21 to 2012-07-25
Davos	DAVOS	Switzerland	46.8394N	9.7939E	2800	From 1974-09-10 to 2002-02-15
Davos	DAVON	Switzerland	46.8368N	9.7967E	2800	
Davos/Dischmatal	DAVOX	Switzerland	46.7805N	9.8795E	1830	From 2002-07-25
Davos, Kongresszentrum GR	SDAK	Switzerland	46.8005N	9.8320E	1547	From 2015-03-17
Dawn	P38A	Missouri,U.S.A.	39.6248N	93.5321W	248	From 2010-11-28 to 2012-09-14
Dawson	DAWY	Yukon Territory,Canada	64.0655N	139.3910W	808	From 1992-09-30
Dawson City	DWY	Yukon Territory,Canada	64.0533N	139.4320W	346	From 1984-09-17
Dawson Falls	DFE	North Island,New Zealand	39.3257S	174.1039E	880	From 1993-12-14 to 2010-02-23
Dawson Inlet	DI2B	British Columbia	53.2022N	132.4767W	82	From 2018-07-22
Dawson Inlet	DAWS	British Columbia,Canada	53.2340N	132.4782W	211	
Dawson Inlet, BC	DIB	British Columbia,Canada	53.2025N	132.4767W	68	From 2004-03-15
DAWSON INLET T-PHASE SITE S1	H02S1	British Columbia,Canada	53.2025N	132.4766W	66	From 2006-11-20
DAWSON INLET T-PHASE SITE S2	H02S2	British Columbia	53.2022N	132.4767W	82	From 2019-08-05
Dawu Township	TAWH	Taiwan region	22.3397N	120.8878E	36	From 2015-12-04
Daxi	WLTB	Taiwan region	24.8526N	121.2524E	27	From 2001-11-20
Day	DAY	Djibouti	11.7527N	42.6382E		
Dayton	DYTN	Tennessee,U.S.A.	35.4910N	85.0920W	580	
Dayton Farm, Ripley	P56A	West Virginia,U.S.A.	39.5044N	78.8386W	249	From 2013-05-22
Deadman Bay	DMB	Alaska,U.S.A.	57.0872N	153.9600W	300	From 1975-10-01
Deadman Creek	MDCM	California,U.S.A.	37.7097N	119.0419W	2493	
Deadman Peak	DMPK	New Mexico,U.S.A.	36.4264N	106.7760W	2664	From 1976-11-22
Dead Sea	DSI	Israel	31.5700N	35.3800E	200	
Dead Sea Dam 2	DSD2	Israel	31.1800N	35.4400E	-390	
Deagu-acc	KSDAU	Republic of Korea	35.8856N	128.6187E	0	From 2007-12-11
Deakin University, Geelong	GEXS	Victoria,Australia	38.2008S	144.2902E	83	From 2013-02-25
Dease Lake	DLBC	British Columbia,Canada	58.4372N	130.0270W	978	From 1994-09-28
Dease Lake	DLB	British Columbia,Canada	58.4270N	130.0610W	1210	
Death Valley	DV-	California,U.S.A.	35.8333N	116.1017W	792	From 1962-01-20 to 1962-04-23
Death Valley	DV-CL	California,U.S.A.	35.8333N	116.1017W	792	From 1962-01-20 to 1962-04-23
Debdou	M015	Morocco	33.9845N	3.0350W	1079	
De Beque	P20A	Colorado,U.S.A.	39.4998N	108.3912W	1738	From 2007-12-08 to 2009-11-04
De Beque, N12	NCR12	Colorado	39.2708N	108.2052W	1532	
De Bilt	DBN	Netherlands	52.1017N	5.1767E	3	From 1908-08-01
Debin	DBI	Magadanskaya Oblast',Russia	62.3390N	150.7550E	332	
Debrecen	DEB	Hungary	47.5611N	21.6389E	0	
Debre Tabor	YAYE	Ethiopia	11.8608N	37.9965E	2627	
DeCamp, California	DCMP	California	39.4690N	123.3374W	452	From 2017-06-01
Decatur	N48A	Indiana,U.S.A.	40.8591N	85.0271W	250	From 2012-08-31
Deception Hills	DHAK	Alaska,U.S.A.	59.0912N	138.2136W	678	
Deception Island	DEC	South Shetland Islands	62.9833S	60.7167W	7	
Decorah	J39A	Iowa,U.S.A.	43.3354N	91.7062W	350	From 2011-06-12 to 2013-06-03
Dedoflistskaro	DDFL	Georgia,Georgia	41.4458N	46.1183E	856	From 2011-11-18
Deep Cove	DCZ	South Island,New Zealand	45.4647S	167.1535E	71	From 1991-05-28
Deep Springs	DSP	California,U.S.A.	37.3700N	117.9700W	0	
Deer Creek Reservoir	DCU	Utah,U.S.A.	40.4137N	111.5270W	1829	From 1974-11-01
Deer Hill, Carlsbad	225A	New Mexico,U.S.A.	32.1101N	104.8229W	1703	From 2008-03-26 to 2010-02-19
Deer Island	DRIA	Alaska,U.S.A.	54.9661N	162.2629W	457	From 1996-07-01
Deer Island	DRRA	Alaska,U.S.A.	54.9235N	162.2832W	380	
Deer Lake	DRLN	Newfoundland,Canada	49.2560N	57.5042W	238	From 1993-12-14
Deerlick Creek	DLC	Alabama,U.S.A.	33.2608N	87.4448W	137	
Deer Lick Knob, Platina, CA USA	DLIK	California	40.4555N	122.8943W	1304	
Deer Lodge	E15A	Montana,U.S.A.	46.4246N	112.6412W	1520	From 2006-10-10 to 2009-06-12
Degenried	ZUR	Switzerland	47.3692N	8.5809E	615	From 1913-01-01
Degeres	DGS	Kazakhstan	43.2420N	75.7720E	1262	From 1985-01-01
Degersheim	SGT03	Switzerland	47.3656N	9.1995E	920	From 2012-01-15
Deggingen-Nordalb	DEGG	Baden-Wurttemberg	48.6076N	9.7127E	750	From 2017-01-01
Dehloran	DHL1	Iran	32.6810N	47.2807E	204	
Dehoura	M013	Morocco	34.6103N	4.4147W	537	
Dehradun	DHDN	Himachal Pradesh,India	30.3280N	78.0143E	619	From 2007-05-01
Dehra Dun	DDI	Uttar Pradesh,India	30.3225N	78.0556E	682	
Dehrash	IDHR	Iran	34.6997N	46.3867E	1866	From 2004-01-01
Deir al-Asad	GIF4	Israel	32.9340N	35.2570E	200	From 1993-05-01 to 1993-05-31
Deir Qamar	DQRL	Lebanon	33.7057N	35.5702E	963	From 2010-03-30
Dekalb	DEK	Illinois,U.S.A.	41.9331N	88.7650W	259	From 1987-01-01
Delaikoro	NDE	Fiji	16.5860S	179.3176E	941	From 1981-11-01
Delamar Landing Field, Caliente	S12A	Nevada,U.S.A.	37.6083N	114.8489W	1479	From 2007-02-10 to 2008-09-17
Delamar Mountains	DLM	Nevada,U.S.A.	37.6063N	114.7384W	1744	From 1978-06-08 to 2002-10-10
Del Amo	DLAC	California,U.S.A.	33.8482N	118.0962W	14	
Delmont, Spital JU	SDES	Switzerland	47.3685N	7.3399E	453	From 2016-02-01
Delano Plantation, Melville	443A	Louisiana,U.S.A.	30.7642N	91.7809W	10	From 2011-02-13 to 2012-11-28
Delary	DEL	Sweden	56.4701N	13.8705E	150	From 1969-10-25
Delary	DEL1	Sweden	56.4717N	13.8683E	150	From 1967-08-01 to 1969-10-24
Delaware Emergency Management Agency	DEMA	Delaware,U.S.A.	39.3187N	75.6098W	12	
Delaware (Ont)	DLA	Ontario,Canada	42.8583N	81.5733W	227	From 1975-06-01
Delcer	SLDE	St Lucia	13.8031N	61.0583W	246	
Delcommune	DCC	Democratic Republic of the Congo	10.5100S	25.4550E	1437	
Delhi	DH-NY	New York,U.S.A.	42.2442N	74.8883W	652	From 1961-10-28 to 1965-11-15
Delhi	DH-	New York,U.S.A.	42.2442N	74.8883W	652	From 1961-10-28 to 1965-11-15
Delisi	TBLG	Georgia,Georgia	41.7309N	44.7382E	510	From 1976-01-01
Dell	DLAR	Arkansas,U.S.A.	35.8097N	90.0080W	67	
Dellbruck	BA08	Nordrhein-Westfalen,Germany	50.9642N	7.0755E	58	From 2006-10-01
Delli Paoli	DPLY	New York,U.S.A.	41.2528N	73.9108W	67	
Dell Rapids	DL-SD	South Dakota,U.S.A.	43.8328N	96.7733W	488	From 1962-12-28 to 1963-03-21
Dell Rapids	DL-	South Dakota,U.S.A.	43.8328N	96.7733W	488	From 1962-12-28 to 1963-03-21
Delmece	DLMC	Turkey	40.5626N	29.0039E	699	From 2008-09-25
Delmo Park	DPM	Montana,U.S.A.	45.9690N	112.2690W	1855	From 1984-01-01 to 1985-07-22
Del Norte, S14	SCR14	Colorado	37.6628N	106.3500W	2432	
DeLong Mountains	C17K	Alaska,U.S.A.	68.4753N	163.1776W	498	From 2017-08-27
Deloro Mine	DELO	Ontario,Canada	44.5177N	77.6186W	213	From 2009-05-29
Delphi	DLFA	Greece	38.4784N	22.4957E	560	From 2011-04-12
Del Rio	DRIO	Texas,U.S.A.	29.4231N	100.6189W	354	From 2017-03-17
Delta	DI7	Baja California	32.3567N	115.2533W	10	
Delta	DELX	Baja California,Mexico	32.3552N	115.1872W	28	From 1987-02-01
Delta Junction E	DJE	Alaska,U.S.A.	64.0280N	145.6790W	378	From 1990-06-07 to 2002-12-20
Delta Microwave	DMW	Alaska,U.S.A.	64.0563N	145.7310W	346	From 1986-01-01
Del Valle	CL1	California,U.S.A.	37.5663N	121.6800W	250	From 1979-10-10
Del Valle	CDVM	California,U.S.A.	37.5663N	121.6800W	250	From 1979-10-10
Demacu	DEIG	Mexico D.F.,Mexico	20.3012N	99.0353W	1994	From 2003-06-28
Demacu	DHIG	Hidalgo	20.3003N	99.0355W	1994	From 2003-06-28
Demirci	DEMI	Turkey	39.0428N	28.7162E	920	From 2007-05-21
Demirkent	DDEM	Turkey	40.8923N	41.7507E	1149	From 2007-09-26
Demirkopru	DKP	Turkey	38.6142N	28.3128E	250	
Demirkoy	DMK	Turkey	41.8216N	27.7572E	315	From 1970-08-01 to 2003-02-28
Demirtas	DMT	Turkey	40.2750N	29.0972E	140	From 1978-08-01 to 1999-08-25
Demmitville	DMV	Missouri,U.S.A.	36.7040N	89.7450W	89	
Demre-Antalya	DEMR	Turkey	36.2365N	29.9056E	168	From 2011-08-01
Denali Highway	DHY	Alaska,U.S.A.	63.0753N	147.3759W	1611	From 1993-07-06
Denizli	DENT	Turkey	37.7540N	29.0330E	637	
Denizli	UZP	Turkey	38.0313N	29.1746E	1203	From 2007-04-08
Denizli-Bozkurt-nceler	INCE	Turkey	37.7091N	29.5753E	1026	From 2017-12-14
Denizli, Cameli-Kalinkoz	CAEL	Turkey	37.1229N	29.3199E	1386	From 2014-12-05
DENIZLI_Tavas	TAVA	Turkey	37.4657N	28.9132E	1016	From 2011-09-27
Denizli-Tavas-Dereaz	DNZT	Turkey	37.2787N	29.0248E	1021	From 2018-01-01
Denizli-Tavas-Kzlcab¶lk	DNIZ	Turkey	37.6256N	29.0384E	1005	From 2017-02-09
Denniston	DNS	South Island,New Zealand	41.7381S	171.7960E	600	From 1968-05-25 to 1968-07-02
Denniston North	DSZ	South Island,New Zealand	41.7449S	171.8046E	650	From 1990-02-18
Denny Creek	YPDC	Montana,U.S.A.	44.7095N	111.2397W	2025	
Denpasar	IGBI	Bali,Indonesia	8.8181S	115.1456E	0	From 2005-01-01
Denpasar	DNP	Bali,Indonesia	8.6772S	115.2102E	15	From 1968-01-01
Dent	DEI	Idaho,U.S.A.	46.6400N	116.1990W	960	From 1971-10-01 to 1974-07-25
Dent Fell	XDE	England,United Kingdom	54.5058N	3.4897W	291	From 1983-04-15
Denton	DNT	Texas,U.S.A.	33.2167N	97.1333W	208	From 1925-01-01 to 1999-08-25
Denver	DEN	Colorado,U.S.A.	39.7917N	105.0330W	1655	From 1909-08-01
Denville	DENJ	New Jersey,U.S.A.	40.9662N	74.4642W	298	
Deoband	DBND	Uttar Pradesh,India	29.7167N	77.7312E	210	From 2007-05-01
Deogaon,Odisha	DEGN	Orissa	20.5450N	83.4210E	178	From 2015-12-17
Deogyusan	DUSB	Republic of Korea	35.8943N	127.7731E	598	From 2016-05-31
Deokjeokdo	KSDEI	Republic of Korea	37.2558N	126.1049E	0	From 2008-01-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Depew	DEOK	Oklahoma,U.S.A.	35.8426N	96.4983W	291	From 2015-10-30
Deposit	DP-	New York,U.S.A.	42.0883N	75.4522W	579	From 1962-07-07 to 1962-07-17
Deposit	DP-NY	New York,U.S.A.	42.0883N	75.4522W	579	From 1962-07-07 to 1962-07-17
Deputatskiy	DEPR	Sakha,Russia	69.3920N	139.9020E	320	From 2003-08-27
Deqen	ST01	Xizang Zizhiqu,China	30.6497N	90.1335E	4792	From 1998-07-17 to 1999-05-27
Derazinda	DRP	Pakistan	31.7440N	70.2028E	638	
Derbent	DERT	Turkey	40.3558N	29.6760E	50	From 1994-01-01
Derbent	DRN	Dagestan,Russia	42.0300N	48.3300E	-28	
Derby	DER	Colorado,U.S.A.	39.8678N	104.8840W		
Derby	DVT	Vermont,U.S.A.	44.9620N	72.1709W	370	
Derby Farms, Drakesville	N39A	Iowa,U.S.A.	40.8776N	92.5023W	260	From 2010-11-16 to 2012-12-05
DeRidder	441A	Louisiana,U.S.A.	30.7498N	93.1898W	53	From 2011-02-11 to 2012-12-06
Dersam	DNY	New York,U.S.A.	42.8363N	78.1688W	381	From 1971-07-01 to 1979-04-30
Derveni	DVI	Greece	38.1020N	22.4090E	410	From 2006-05-10
DESA	DESA	Saudi Arabia	27.5060N	36.1640E	466	
Desaguadero	DSG	Bolivia	16.5594S	69.0250W	3810	
Desamparados	AMPA	Costa Rica,Costa Rica	9.8960N	84.0620W	1177	
Des Bee Dove	DBD	Utah,U.S.A.	39.3137N	111.0925W	2265	
Dese	DESE	Ethiopia	11.1180N	39.6352E	2538	From 1988-01-01
Desenzano Tresine	GRDT	Italy	45.4853N	10.5227E	137	From 2004-01-10
Desert	DES	Hawaii,U.S.A.	19.3367N	155.3880W	815	From 1958-07-01
Desert Coulee Ranch, Glasgow	C21A	Montana,U.S.A.	47.8264N	107.0960W	804	From 2008-09-04 to 2011-01-13
Desert Hot Springs	DHS	California,U.S.A.	33.9667N	116.5000W	330	From 1948-01-01 to 1949-03-31
Deserto Penisola Sorrentina	DPS	Italy	40.6100N	14.3651E	456	From 1972-12-01
Deserto P. S.	DP1	Italy	40.6100N	14.3651E	456	From 1972-12-01
Desert Rsrch Ctr	DREC	California,U.S.A.	32.8053N	115.4468W	-13	
Desert Studies Ctr	DSCC	California,U.S.A.	35.1426N	116.1039W	283	
Desert Tortoise Park	DTP	California,U.S.A.	35.2675N	117.8450W	951	
Desert View Tower, Jacumba	DVTC	California,U.S.A.	32.6591N	116.1006W	881	From 2001-06-22 to 2010-01-14
Desfina	DESF	Greece	38.4127N	22.5321E	750	From 2008-06-12
Desfina	DESFA	Greece	38.4253N	22.5937E	983	
Desfina	DSF	Greece	38.4112N	22.5271E	699	From 2008-02-28
Des Moines	DMI	Iowa,U.S.A.	41.6000N	93.6833W	296	From 1934-12-20 to 1937-06-30
Despedida	DSPA	Tierra del Fuego,Argentina	53.9536S	68.2668W	150	
Dessel	BDSL	Belgium	51.2168N	5.0648E	22	From 2008-11-01
Detroit Lake	H04A	Oregon,U.S.A.	44.6837N	122.1862W	652	From 2005-11-09 to 2008-12-03
Deurdeur	EDDR	Algeria,Algeria	36.0030N	2.2140E	705	
Deutsch Goritz	A021A	Austria	46.7566N	15.8253E	265	From 2015-09-30
Deva	DEV1	Romania	45.8799N	22.9070E	187	From 2015-10-02
Deva	DEV	Romania	45.8833N	22.9033E	250	From 1970-02-01
Devers	DEVC	California,U.S.A.	33.9360N	116.5779W	337	
Devilbend	DVBM	Victoria,Australia	38.2874S	145.0977E	75	
Devil Canyon	DVL	California,U.S.A.	34.1998N	117.3280W	598	From 1974-12-01 to 1976-11-30
Devil Mountain	DMA	Alaska,U.S.A.	66.3100N	164.5200W	243	From 1977-08-01
Devils Gate	ID08	Idaho,U.S.A.	42.8960N	111.8389W	2054	From 2017-09-09 to 2017-10-25
Devils Kitchen North	DKNM	California,U.S.A.	36.0510N	117.8088W	1347	
Devils Point	DVP	Vanuatu	17.7253S	168.1870E		
Devils Postpile	MDPM	California,U.S.A.	37.6325N	119.0797W	2315	
Devils Postpile Broadband	MDPB	California,U.S.A.	37.6323N	119.0793W	2360	
Devrek	DVR	Turkey	41.1594N	32.0075E	960	From 1991-01-01
De Xico	THVM	Mexico D.F.	19.3108N	98.9732W	2253	
Deyax Mournies Chania	DEYA	Crete	35.4825N	24.0140E	41	From 2016-12-01
Dezadeash Lake	DLY	Yukon Territory,Canada	60.3700N	137.0650W	738	From 1978-11-20 to 1981-03-31
Dgnorisa	DGN	Georgia,Georgia	42.4666N	42.8333E	450	From 1979-01-01
Dhahab	HDHB	Egypt	28.7221N	34.6188E	20	
Dhahran	DHR	Saudi Arabia	26.3039N	50.1389E	72	
Dhama@18r BB	DHBB	Yemen	14.5710N	44.3900E	2460	
Dhamar	DHMR	Yemen	14.5610N	44.3870E	2429	From 1994-06-01
Dhamar	DAMY	Yemen	14.5725N	44.3917E	2488	
DHARAMSHALA	DHRM	Himachal Pradesh,India	32.2500N	76.3000E	1995	From 1998-09-20
Dharan Janob	DHJN	Saudi Arabia	17.6600N	43.4890E	2400	From 1990-06-13
Dharma Camp	DHRN	Northwest Territories,Canada	67.0331N	119.5088W	218	From 2009-07-15
Dharwar	DHD	Goa, Daman and Diu,India	15.4328N	74.9844E	755	
Dheba	NDEBA	Saudi Arabia	27.4650N	35.6540E	96	
Dhodishal	DHO	Pakistan	35.5850N	73.7090E	1847	From 2007-09-01
DHOFAR2 - YR	RAHO	Oman	17.0565N	53.8069E	1177	
DHOFAR2 - YR	MDYO	Oman	17.4646N	53.3582E	574	
DHOFAR2 - YR	ADHO	Oman	17.2421N	54.2845E	914	
DHOFAR2 - YR	NNMO	Oman	17.3560N	54.2533E	688	
DHOFAR2 - YR	SAHO	Oman	17.1142N	54.6794E	1180	
DHOFAR2 - YR	QALY	Oman	12.6950N	53.4880E	43	
DHOFAR2 - YR	HASO	Oman	17.4922N	55.2189E	31	
DHOFAR2 - YR	TQHO	Oman	17.0634N	54.4295E	37	
DHOFAR2 - YR	AYDO	Oman	16.9884N	53.3598E	45	
DHOFAR2 - YR	AYNO	Oman	17.2558N	53.8940E	864	
DHOFAR2 - YR	DAHO	Oman	17.5255N	54.3510E	542	
DHOFAR2 - YR	HAYO	Oman	17.1835N	53.3400E	827	
DHOFAR2 - YR	ABAY	Oman	12.6045N	54.3228E	63	
DHOFAR2 - YR	SOOO	Oman	17.0772N	54.8846E	145	
DHOFAR2 - YR	HADO	Oman	17.2228N	55.1937E	93	
DHOFAR2 - YR	MUGO	Oman	16.9013N	53.7741E	42	
DHOFAR2 - YR, ALE	AALE	Ethiopia	9.4214N	42.0347E	2026	
DHOFAR2 - YR, ASHO	AASHO	Oman	17.2499N	54.2660E	925	
DHOFAR2 - YR, BANO	ABANO	Oman	17.6888N	54.4384E	455	
DHOFAR2 - YR, DMTO	ADMTO	Oman	17.7302N	55.0739E	437	
DHOFAR2 - YR, GDR	AGDR	Oman	12.5590N	37.4540E	2103	
DHOFAR2 - YR, MADO	AMADO	Oman	17.1989N	54.3811E	829	
DHOFAR2 - YR, SAY	ASAY	Oman	15.3548N	44.1999E	2251	
DHOFAR2 - YR, SHIO	ASHIO	Oman	17.1891N	54.1655E	552	
DHOFAR - XZ	DS01	Oman	17.0270N	54.1130E	0	
DHOFAR - XZ	DS05	Oman	17.3540N	53.9680E	680	
DHOFAR - XZ	DS11	Oman	16.8230N	53.4700E	1010	
DHOFAR - XZ	DS10	Oman	17.5030N	54.2040E	550	
DHOFAR - XZ	DS09	Oman	16.9860N	54.6970E	0	
DHOFAR - XZ	DS03	Oman	17.2500N	54.0840E	894	
DHOFAR - XZ	DS08	Oman	17.1130N	54.5230E	658	
DHOFAR - XZ	DS02	Oman	17.1260N	53.9960E	788	
DHOFAR - XZ	DS07	Oman	17.2550N	54.4880E	939	
DHOFAR - XZ	DS04	Oman	17.4440N	54.0420E	608	
DHOFAR - XZ	DS06	Oman	17.6210N	54.0510E	480	
Dholavira	DOLA	Gujarat,India	23.5249N	70.1302E	36	From 2012-01-01
DHUBRI	DHUB	Assam,India	26.0201N	89.9955E	33	From 2011-05-01
Diablo Avenue Hayward	C056	California,U.S.A.	37.6363N	122.1264W	-15	From 2011-04-20
Diablo Creek	DCD	California,U.S.A.	35.2122N	120.8408W	238	
Diadem	DMP	South Island,New Zealand	44.4126S	169.8273E	820	From 1975-03-15 to 1983-11-21
Diamantina, MG	DIAM	Brazil	18.2966S	43.6721W	1346	From 2015-01-20
Diamer-Basha	DAM1	Pakistan	35.5140N	73.7590E	1199	From 2007-09-01
Diamond	T38A	Missouri,U.S.A.	37.0354N	94.2930W	349	From 2011-01-25 to 2012-10-28
Diamond D Ranch, Stanley	H12A	Idaho,U.S.A.	44.5494N	114.8554W	1777	From 2006-11-17 to 2009-07-27
Diamond G Ranch, Dubois	I18A	Wyoming,U.S.A.	43.7013N	109.8171W	2322	From 2007-10-26 to 2009-09-18
Diamond Head	DHH	Hawaii,U.S.A.	21.2632N	157.8006W	125	From 1985-05-01
Diamond Ranch	DIR	California,U.S.A.	36.3363N	120.3760W	496	From 1973-11-07 to 1975-06-16
Diamondview Rd.	KB5O	Ontario,Canada	45.3931N	76.1453W	98	From 2013-10-01
Dianopolis -TO	RET6	Tocantins,Brazil	11.4560S	46.8860W	516	From 2012-06-14
Diavik Mine	DVKN	Northwest Territories,Canada	64.5092N	110.3096W	420	
DIBRUGARH	DIBR	Assam,India	27.4676N	94.9112E	90	From 2011-05-01
Di Chot	DICE	Ethiopia	11.9136N	41.5737E	464	
Dickens	DKNS	Texas,U.S.A.	33.6665N	100.9236W	843	From 2016-12-18
Dickey	D4A	Maine,U.S.A.	47.1881N	69.2767W	490	
Dickey	D1A	Maine,U.S.A.	47.0586N	69.0989W	305	From 1976-10-01 to 1999-01-31
Dickey	D2A	Maine,U.S.A.	47.1303N	69.1503W	402	From 1976-10-01 to 1999-08-25
Dickey	D6A	Maine,U.S.A.	47.0890N	69.4957W	430	
Dickey	D3A	Maine,U.S.A.	47.0875N	69.1669W	259	From 1976-10-01 to 1999-08-25
Dickey	D5A	Maine,U.S.A.	47.0113N	69.2650W	365	
Dickinson College	DCP	Pennsylvania,U.S.A.	40.2040N	77.1970W	143	From 1990-01-14
Dider Farm, Eltopia	E08A	Washington,U.S.A.	46.4911N	119.0595W	233	From 2006-09-26 to 2008-12-03
Didima	DID	Greece	37.5063N	23.2368E	520	From 2006-04-10
Didim-Aydin	DIDI	Turkey	37.3766N	27.2398E	75	From 2011-04-19
Didyma	DIDY	Greece	37.4765N	23.2118E	1036	From 2008-10-13

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Didziasalis	IDID	Lithuania	55.3148N	26.7390E	111	
Diego Aracena	TA01	Tarapac	20.5657S	70.1807W	75	From 2013-11-21
Diego Carcia HYDROACOUSTIC SITE N1	H08N1	Chagos Archipelago	6.3421S	71.0143E	-3556	From 2010-01-24
Diego Carcia HYDROACOUSTIC SITE S1	H08S1	Chagos Archipelago	7.6453S	72.4744E	-3302	From 2010-01-24
Diego Garcia	DGAR	Chagos Archipelago	7.4121S	72.4525E	0	
Diego Garcia HYDROACOUSTIC SITE N2	H08N2	Chagos Archipelago	6.3251S	71.0001E	-3616	From 2010-01-24
Diego Garcia HYDROACOUSTIC SITE N3	H08N3	Chagos Archipelago	6.3454S	70.9919E	-3524	From 2010-01-24
Diego Garcia HYDROACOUSTIC SITE S2	H08S2	Chagos Archipelago	7.6453S	72.4933E	-3274	From 2010-01-24
Diego Garcia HYDROACOUSTIC SITE S3	H08S3	Chagos Archipelago	7.6275S	72.4838E	-3135	From 2010-01-24
DIEGO GARCIA INFRASONIC ARRAY REFERENCE POINT	I52GB	Chagos Archipelago	7.3778S	72.4842E	1	From 2002-12-18
Dienbien	DBV	Vietnam	21.3900N	103.0250E	1050	
Dierke Farm, Cannon Falls	H37A	Minnesota,U.S.A.	44.5812N	92.9181W	321	From 2010-09-27 to 2012-09-10
Difesa San Luca	DSB1	Italy	41.2872N	14.9769E	940	
Diga del Menta	ME05	Italy	38.1243N	15.8999E	1458	From 2007-10-22 to 2010-01-31
Digdiga	DIGE	Ethiopia	12.3279N	40.2734E	675	
Digermulen	N2DI	Norway	68.3133N	14.9863E	9	From 2013-08-01 to 2016-05-30
Digger Butte	LDBM	California,U.S.A.	40.4317N	121.7850W	1225	
Dighton	R30A	Kansas,U.S.A.	38.2844N	100.2769W	776	From 2009-04-16 to 2011-03-17
DIGLIPUR	DGPR	Andaman Islands,India	13.1776N	92.9305E	30	From 2008-01-27
Digne	OG29	Rhone-Alpes,France	44.0925N	6.2650E	685	From 1991-01-22
Digne	OGDI	Provence-Cote d'Azur,France	44.1100N	6.3003E	770	
Digorskoe uzhel'e	DIGR	Severo-Osetinskaya,Russia	42.8994N	43.5807E	1907	From 2003-11-01
Dikaia	TRGA	Greece	41.7054N	26.2946E	50	
Dikili	DKL	Turkey	39.0713N	26.9054E	45	From 2010-07-22
Dikmen	DIKM	Turkey	41.6496N	35.2578E	258	From 2006-06-27
Dilar	EXDI	Spain	37.0680N	3.6010W	898	
Dilar	DILR	Spain	37.0430N	3.6188W	1100	
Dili	DLI	East Timor,East Timor	8.5669S	125.5533E	0	
Dilla	DILA	Ethiopia	6.4343N	38.2867E	1432	
Dillingham	DLL	Alaska,U.S.A.	59.0000N	158.7000W	0	
Dillon	DLMT	Montana,U.S.A.	45.3625N	112.5964W	1569	
Dillon	DI-MA	Montana,U.S.A.	45.1736N	112.4478W	1859	From 1966-05-23 to 1966-05-24
Dillon	DI-	Montana,U.S.A.	45.1736N	112.4478W	1859	From 1966-05-23 to 1966-05-24
Dillon	G15A	Montana,U.S.A.	45.1660N	112.4887W	1857	From 2006-11-09 to 2009-06-09
Dillon Ranch	HDLM	California,U.S.A.	36.8353N	121.6440W	204	From 1967-08-09
Dillon Ranch	AN5*	California,U.S.A.	36.8353N	121.6440W	204	From 1967-08-09
Dillon Ranch	DIL	California,U.S.A.	36.8353N	121.6440W	204	From 1967-08-09
Dillo Street San Leandro	C070	California,U.S.A.	37.7028N	122.1318W	3	From 2013-04-23
Dilts Ranch, Bill	J23A	Wyoming,U.S.A.	43.4036N	105.5524W	1499	From 2008-10-15 to 2010-09-08
Dimbokro	DBIC	Ivory Coast	6.6701N	4.8563W	25	
DIMBOKRO INFRASONIC ARRAY REFERENCE POINT	I17CI	Ivory Coast	6.6704N	4.8569W	156	From 2002-03-29
Dimitra, N017	N017M	Greece	39.9486N	21.6771E	497	
Dimitropoulo, Aigialia, West Greece	DIMT	Greece	38.2468N	22.0436E	72	From 2000-05-15
Dimitrovgrad	DIM	Bulgaria	42.0457N	25.5778E	144	
Dimmadalss	IDIM	Iceland	65.9615N	16.9319W	266	From 2008-11-20
Dimmitt	X28A	Texas,U.S.A.	34.5185N	102.1973W	1160	From 2009-01-22 to 2010-11-15
Dimona	DIMI	Israel	31.0080N	35.1020E	520	
Dine' College, Tsaile	U19A	Arizona,U.S.A.	36.2925N	109.2076W	2166	From 2008-02-21 to 2009-03-18
Dingess, Beckley	S54A	West Virginia,U.S.A.	37.7997N	81.3114W	636	From 2013-05-17
Dinsmores, CA USA	DMOR	California	40.7095N	123.7034W	1317	From 2018-01-01
Dionisos Attiki	DION	Greece	38.0779N	23.9331E	457	From 2011-12-22
Dio Pefka	PEFK	Greece	38.0770N	23.6210E	200	
Dipolog	DIP	Mindanao,Philippines	8.6000N	123.3500E	3	From 1972-01-01 to 1972-10-31
Dipolog City	DCPH	Mindanao,Philippines	8.5830N	123.3520E	5	
Dipotamo, N009	N009M	Greece	39.7883N	20.8775E	933	
Dique - Cabra Corral	AQCC	Salta,Argentina	25.2687S	65.3293W	1020	From 1996-08-30
Direccin General de Estadstica y Censos (DIGESTYC)	IGN	El Salvador	13.7137N	89.1698W	639	
Dirks Ranch, Alva	H24A	Wyoming,U.S.A.	44.7473N	104.5524W	1166	From 2008-10-20 to 2010-08-14
Disappointment Valley, Cahone	S20A	Colorado,U.S.A.	37.8300N	108.3605W	2355	From 2008-06-19 to 2009-11-11
Discovery Mine	DSMN	Northwest Territories,Canada	63.1799N	113.9004W	307	
Disk Island	DSK	Alaska,U.S.A.	60.5020N	147.6470W	15	From 1974-07-27 to 1975-10-18
Disney Wilderness Preserve, Florida	DWPF	Florida,U.S.A.	28.1103N	81.4327W	30	From 2010-09-24
District Admin Building, Gore	GOREE	Ethiopia,Ethiopia	8.1501N	35.5330E	2063	From 2014-03-23 to 2017-12-01
Distrito Reforma Tijuana	DRETJ	Baja California	32.4675N	116.9560W	23	
Divibare	DIVS	Serbia	44.0982N	19.9917E	996	From 2003-09-27
Divide	Q24A	Colorado,U.S.A.	38.9641N	105.1492W	2775	From 2008-06-28
Divide	DIV	Alaska,U.S.A.	61.1295N	145.7717W	931	
Divnogorie	VORD	Voronezhskaya Oblast',Russia	50.9660N	39.2930E	94	From 1998-02-01
Divnogorsk	DVG	Krasnoyarskiy Kray,Russia	55.9561N	92.4036E	241	From 2001-12-18
Divot King Ranch, Dilley	733A	Texas,U.S.A.	28.7192N	99.2939W	169	From 2009-12-03 to 2011-10-11
Dixie Hot Springs	DIXR	Nevada,U.S.A.	39.8022N	118.0820W	1143	From 1980-01-01
Dixie Valley	P08A	Nevada,U.S.A.	39.6946N	118.0800W	1040	From 2006-02-26 to 2008-03-11
Dixon Mills	248A	Alabama,U.S.A.	32.0940N	87.7393W	103	From 2011-04-08 to 2013-01-25
Dixon Ranch, Lance Creek	J24A	Wyoming,U.S.A.	43.3305N	104.6613W	1315	From 2008-10-25 to 2010-09-11
Diyadin	DYDN	Turkey	39.5436N	43.6889E	2010	From 2006-09-13
Diyarbakir	DIYA	Turkey	37.9234N	40.1208E	838	From 2006-12-18
Diyarbakir	DIY	Turkey	37.8958N	40.2263E	900	From 1994-01-06
Diyarbakir	DYBB	Turkey	37.9531N	40.1394E	826	From 2009-12-10
Diyarbakir_Hani	HANI	Turkey	38.4147N	40.3994E	923	From 2011-10-30
Djebel Ababsia	ABSA	Algeria	36.2733N	7.4778E	1025	
Djebel Ababsia	CABS	Algeria	36.2733N	7.4778E	1025	
Djebel Berber	OJBR	Algeria	35.5835N	0.3450E	800	
Djebel Bou Affroun	DFRA	Algeria	36.5450N	5.8769E	1187	
Djebel Bou Ahmed	EBHM	Algeria	36.3772N	1.0758E	829	
Djebel Bou Ietas	OBLS	Algeria	34.9750N	0.4420W	1053	
Djebel Bou Maad	EBOM	Algeria	36.4222N	2.2128E	1225	
Djebel Bou Yalou	EBYL	Algeria	36.4242N	1.8325E	1051	
Djebel Djouab	ADJB	Algeria	36.1577N	3.4380E	1140	
Djebel Guires	OJGS	Algeria	35.5045N	0.7497E	920	
Djebel Kef Guellal	OKGL	Algeria	36.0380N	0.6430E	560	
Djebel Ketaf	AKET	Algeria	36.0470N	3.8822E	1428	
Djebel Kodjel	OKJL	Algeria	35.0405N	0.1647E	1075	
Djebel Mahouada	EMHD	Algeria	36.2008N	2.9530E	1250	
Djebel Manchoura	CMAH	Algeria	36.6250N	7.4197E	795	
Djebel Midouna	OMID	Algeria	35.2800N	0.1900W	745	
Djebel Saadia	ESAD	Algeria	35.9167N	1.3572E	890	
Djebel Tachoubennt	ETHB	Algeria	36.0245N	1.7300E	1070	
Djebel Tanoua	ETAN	Algeria	35.9083N	2.3358E	1595	
Djebel Tarf	ATAF	Algeria	35.8737N	4.2772E	1000	
Djebel Teioualt	CTEI	Algeria	36.0630N	6.4063E	1285	
Djebel Tessala	OTSS	Algeria	35.2817N	0.7942W	1055	
Djelida	EHRZ	Algeria,Algeria	36.1960N	2.1080E	419	
Djerdap	DJES	Serbia	44.6660N	22.5200E	392	From 1996-05-20
Djibouti, TKB	TKBA	Djibouti	11.5810N	42.4565E	35	
Djoy, Khakassia, Russia	DJO	Khakassia,Russia	52.7818N	91.2180E	553	From 2003-11-16
Djoyskaya Sosnovka, Khakassia, Russia	DJOS	Khakassia,Russia	52.7945N	91.3984E	569	From 2011-02-03
Dlalha	M004	Morocco	34.7918N	6.2498W	119	
DLIA	DLIA	Israel	32.5830N	35.0680E	150	From 1988-04-26 to 1990-10-02
Dmanisi	DMNI	Georgia	41.3291N	44.1902E	1256	From 2013-11-16
Dmanisi	DMNS	Georgia,Georgia	41.3300N	44.2000E	1260	
DMTO	DMTO	Oman	17.7163N	54.9475E	161	
Doab	IDOB	Iran	33.7874N	48.1774E	1935	From 2008-01-01
Doan Hung	DHV	Vietnam	21.6268N	105.1838E	70	
Dobbs Creek Ranch, Lacey	D04A	Washington,U.S.A.	47.1109N	122.8035W	31	From 2005-10-24 to 2008-03-29
Dobcross Hall	BDL	Scotland,United Kingdom	54.8030N	2.9385W	157	
Doboj	DOB	Bosnia and Herzegovina	44.7330N	18.1000E	165	From 2003-09-01
Dobrich	DOBAM	Bulgaria	43.5811N	27.8310E	246	From 2012-11-20
Dobrichov	A081A	Czech Republic	50.0752N	15.0341E	228	From 2015-09-25
Dobrina	DOBS	Slovenia	46.1495N	15.4691E	425	From 1996-12-01
Dobrina	DOBR	Bulgaria	43.1790N	27.4627E	233	From 2009-05-01
Dobrovo	DBY	Slovenia	45.9990N	13.5280E	100	From 1989-08-14 to 1989-08-17
Dobruska-Polom	DPC	Czech Republic	50.3502N	16.3222E	748	
Dobryanka	PR2R	Permskiy Kray,Russia	58.5482N	56.1868E	120	From 2002-02-14
Dochfour	MDO	Scotland,United Kingdom	57.4410N	4.3630W	366	From 1981-01-01
Dochia	DOC	Romania	46.9069N	26.5500E	330	From 1984-01-01 to 1988-08-15
Docker River	DOCK	Western Australia,Australia	24.8380S	129.0334E	650	
Doda	DODA	Jammu and Kashmir	33.1452N	75.5552E	1126	
Dodaira	DDR	Saitama,Japan	35.9983N	139.1930E	800	From 1966-04-01
Dodoma	DOD	Tanzania,United Republic of Tanzania	6.2083S	35.7556E	1204	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Dodoma	DODM	Tanzania,United Republic of Tanzania	6.2070S	35.7562E	1183	
Dodoma, Tanzania	DODT	Tanzania,United Republic of Tanzania	6.1900S	35.7500E	1114	From 2007-02-11
Dodoni	DDN	Greece	39.5314N	20.8449E	1108	From 2007-11-07
Dodson Butte	DBO	Oregon,U.S.A.	43.1192N	123.2430W	984	From 1990-08-01
Doe Ridge	MDRNC	California,U.S.A.	37.6379N	118.8357W	2191	
Doetra (Olivone)	DOETR	Switzerland	46.5324N	8.8773E	1771	From 2005-12-15
Doganyol-Malatya	MDYL	Turkey	38.3137N	39.0383E	926	
Dogotuki	DGTI	Fiji	16.3005S	179.7365E	241	
Dog Skin Mountain	DSM	Nevada,U.S.A.	39.8672N	119.7087W	1804	
Dogwood	DWDM	Missouri,U.S.A.	36.7961N	89.4927W	89	
Dogwood	DWM	Missouri,U.S.A.	36.8050N	89.4900W	92	From 1974-11-20
Dogwood Acres, Gardner	D32A	North Dakota,U.S.A.	47.1354N	97.0164W	280	From 2010-08-15 to 2012-06-21
Dogwood Acres, Gardner	D32B	North Dakota,U.S.A.	47.1355N	97.0164W	271	From 2013-11-20
Doima	ST27	Xizang Zizhiqu,China	32.7437N	88.8506E	4867	From 1998-07-25 to 1999-06-05
Doi Son	DSV	Vietnam	20.5870N	105.9740E	70	
Doka	DOK	Oman	18.6180N	54.1288E	161	From 2011-03-07
Dolbeau-Mistassini	DMCQ	Quebec,Canada	48.9646N	72.0680W	197	From 2009-09-15
Dolgoi Island	DLG	Alaska,U.S.A.	55.1410N	161.8358W	367	
Dolgoi Island	DOL	Alaska,U.S.A.	55.1485N	161.8636W	442	From 1996-07-01
Dolores	ABRA	Luzon,Philippines	17.6490N	120.7120E	50	
Domaine de Cadables, 34109, Gabian, Herault	A202A	France	43.5025N	3.2602E	212	From 2016-08-26
Dombai	DOMR	Stavropol'skiy Kray,Russia	43.2920N	41.6240E	1608	From 2006-10-25
Dombas	DOMB	Norway	62.0424N	9.0642E	660	
Domengine Ranch	PDRM	California,U.S.A.	36.3357N	120.3690W	488	
Domenigoni Valley Reservoir	DGR	California,U.S.A.	33.6500N	117.0095W	609	From 1993-03-17
Dome Shelter	DRZ	North Island,New Zealand	39.2753S	175.5635E	2692	From 1984-03-23
Dominica	DOM	Dominica	15.2960N	61.3910W	15	From 1953-02-03
Dominica; Chance, Portsmouth	MDPO	Dominica	15.5760N	61.4510W	8	From 2009-11-01
Dominical	EDDO	Costa Rica	9.2530N	83.8640W	40	
Dominical, DOM	CSDOM	Costa Rica	9.2657N	83.8592W	44	From 2002-10-01 to 2003-03-15
Dominica, Moore Park	MDMP	Dominica	15.5958N	61.4115W	180	From 2010-01-27
Dominica, Pennville	MDPV	Dominica	15.6275N	61.4220W	320	From 2010-01-27
Dominica, Vielle Case	MDVC	Dominica	15.6142N	61.4055W	100	From 2009-12-17
Domo	DOMO	Ecuador	0.3033N	78.3592W	3600	From 1994-04-01 to 1994-08-31
Domodossola	DMD	Italy	46.1167N	8.3000E	280	
Domo (RI)	T1201	Italy	42.6573N	13.2508E	933	From 2016-08-24 to 2017-05-23
Dompierre	DOMF	Nord-Pas-de-Calais,France	50.1288N	3.8610E	145	
Donald B. Munro Dr,	KB4O	Ontario,Canada	45.3743N	76.1633W	102	From 2013-10-01
Dona Remedios Trinidad, Bulacan	RTBP	Luzon	14.9720N	121.0710E	90	From 2016-09-16
Donaustauf	A356A	Germany	49.0371N	12.2138E	398	From 2015-10-23
Don Dixon Farm, Corydon	S46A	Kentucky,U.S.A.	37.6849N	87.7153W	125	From 2011-11-24
Dongducheon	KSDDC	Republic of Korea	37.9000N	127.0577E	112	From 2000-11-10
DONGHAE	KSTOH	Republic of Korea	37.5026N	129.1226E	40	From 2000-03-10
Donghe	EDH	Taiwan region	22.9725N	121.3039E	79	From 2014-07-28
Donghyang	DGHA	Republic of Korea	35.8352N	127.5711E	335	From 2018-03-09
Dongobesh	DONB	Tanzania,United Republic of Tanzania	3.9110S	35.2540E	1472	
Dongo Capesterre	DOG	Guadeloupe,France	16.0320N	61.6178W	460	
Dongola	DON	Missouri,U.S.A.	37.1760N	89.9330W	165	From 1974-07-10
Dongro	DGLA	Republic of Korea	36.7906N	128.2705E	453	From 2018-03-09
Dongshan	DSXP	Taiwan region	23.7082N	117.4260E	54	From 2012-11-02
Dongshan	NDS	Taiwan region	24.6336N	121.7159E	150	From 2015-02-06
Dongzhaishan	DHTZ	Taiwan region	25.5051N	118.2240E	556	From 2011-07-22
Donlin	L17K	Alaska,U.S.A.	62.1344N	158.2972W	338	From 2017-05-14
Don Marcelino, Davao Occidental, Philippines	DDMP	Mindanao,Philippines	6.1045N	125.7113E	100	From 2012-07-20
Donna J Jenkins	DJJ	California,U.S.A.	34.1062N	118.4551W	268	
Donnelly	H11A	Idaho,U.S.A.	44.7035N	116.0127W	1525	From 2006-10-27 to 2008-07-16
Donnelly Dome	DDM	Alaska,U.S.A.	63.7872N	145.8630W	920	From 1977-09-01
Donnelly Dome	K24K	Alaska,U.S.A.	63.8036N	145.7784W	724	From 2016-04-13
Donner Summit	DONR	California,U.S.A.	39.3517N	120.3205W	2268	
Donoratico (LI)	A318A	Italy	43.1210N	10.5732E	172	From 2015-11-17
Don Santos Ranch	CDSM	California,U.S.A.	37.9663N	122.2530W	109	From 1973-11-15
Donuzlav2	DNZ2	Crimea	45.3747N	33.2144E	0	From 2018-07-26
Doolan Road	DOO	California,U.S.A.	37.7300N	121.8350W	198	From 1970-07-29
Doolan Road	CDOM	California,U.S.A.	37.7300N	121.8350W	198	From 1970-07-29
Doongara	DNGQ	Queensland,Australia	20.5550S	146.4750E	280	From 1984-02-29
DOOR	DOOR	Bolivia	19.3535S	67.2221W	3749	From 1994-05-30 to 1995-08-08
Dopca	DOPR	Romania	45.9674N	25.3887E	526	From 2005-08-31
Dorado de Cascales	CASC	Ecuador	0.1368N	77.3390W	1029	From 2012-07-12
Dora Dora	DRAM	Victoria,Australia	35.9654S	147.3754E	230	
Dorbid, Yazd	DOBD	Iran	31.9903N	54.5118E	1495	From 2020-01-20
Dorchester	DRC	South Carolina,U.S.A.	33.1075N	80.3883W	20	
Dorgali Grotta	DGI	Sardinia,Italy	40.3182N	9.6067E	343	
Dorot	DOR	Israel	31.5090N	34.6860E	130	
Dorr	K46A	Michigan,U.S.A.	42.6864N	85.7834W	213	From 2012-09-09
Dortyol	DRTT	Turkey	36.8400N	36.2480E	45	From 1994-03-01
Dortyol-Hatay	DORT	Turkey	36.8260N	36.1967E	27	From 2011-09-01 to 2013-12-01
Doru	DORU	Jammu and Kashmir	33.5670N	75.2340E	1833	
Dos Bocas Dam	DOS	Puerto Rico	18.3294N	66.6789W	400	From 1974-08-16 to 1975-07-17
Dos Picos Cty Pk	DPP	California,U.S.A.	32.9986N	116.9415W	463	
Dos Rios de Upala	2RIO	Costa Rica,Costa Rica	10.5284N	85.2332W	619	
Dossenheim-sur-Zinsel	CIEL	Alsace	48.8326N	7.3637E	388	From 2015-01-01
Dosso, Cento (FE)	T0803	Italy	44.7668N	11.3508E	9	From 2012-05-21 to 2012-08-27
Dosso del Sommo	DOSS	Italy	45.8808N	11.1884E	1660	From 2011-12-12
Dosso del Sommo	DDS	Italy	45.8808N	11.1884E	1664	From 1982-01-01 to 2011-12-12
Dot Lake	DOT	Alaska,U.S.A.	63.6487N	144.0620W	671	From 1986-01-01
Dotsero, N06	NCR06	Colorado	39.7323N	107.0632W	1992	
Douar Al Jazira	M012	Morocco	34.7300N	5.4343W	227	
Douar Assehloun	M014	Morocco	33.9397N	3.8372W	924	
Douar Fergoug	OFRG	Algeria,Algeria	35.5191N	0.0408E	215	
Double 8 Ranch, Willits	P01C	California,U.S.A.	39.4690N	123.3375W	440	From 2005-08-24 to 2007-09-04
Double "B" Farms	T59A	Virginia,U.S.A.	36.9716N	77.5541W	63	From 2013-03-20
Double Butte	DB2	California,U.S.A.	33.7352N	117.0629W	591	
Double Diamond Ranch, Oakley	L13A	Idaho,U.S.A.	42.0886N	113.9444W	1482	From 2006-12-13 to 2008-08-07
Double Mountain	DBM	California,U.S.A.	34.9790N	118.3610W	1204	
Double T Ranch, Babb	A14A	Montana,U.S.A.	48.9725N	113.4218W	1420	From 2007-09-03 to 2009-08-13
Doucen	CDCN	Algeria,Algeria	34.5866N	5.1195E	243	
Douera	ADOR	Algeria,Algeria	36.6600N	2.9170E	2252	
Douglas	319A	Arizona,U.S.A.	31.3757N	109.2809W	1187	From 2007-03-06 to 2010-05-28
Dougou, CM32	ACM32	Cameroon	10.6190N	14.3720E	379	
Douliou City	WDL	Taiwan region	23.7150N	120.5390E	41	From 1999-08-04
Douliu	WDLH	Taiwan region	23.6888N	120.5381E	69	From 2011-01-05
Dourbes	DOU	Belgium	50.0960N	4.5950E	224	From 1982-07-01
Dourbes	NE06	Belgium	50.0960N	4.5942E	225	From 1982-07-01 to 2001-07-28
Dover Castle, Kent	DOV	England	51.1270N	1.3239E	41	From 2017-05-01
Doverlandia	DVLD	Mato Grosso	16.6374S	52.1646W	548	From 2016-03-26
Dowerin	DOW	West Australia	31.0100S	116.9820E	300	
Downhole Baldwin Hills	DHB	California,U.S.A.	34.0175N	118.3850W		From 1973-03-01
Downie Pk Ridge	DPRB	British Columbia,Canada	51.5750N	118.1970W	2135	
Downie Slide	DOWB	British Columbia,Canada	51.5183N	118.5160W	594	
Downsview	DVO	Ontario,Canada	43.7833N	79.5167W	193	From 1975-08-01
Doyle Hill	DHN	New York,U.S.A.	42.8255N	78.1930W	491	
Doyleston	MKYD	South Island	43.7407S	172.3466E	11	
Doyon Strip	G27K	Alaska,U.S.A.	66.8088N	141.6549W	686	From 2016-07-23
Dozier	350A	Alabama,U.S.A.	31.4207N	86.3353W	109	From 2012-01-21
DQM	DQM	Oman	19.9289N	57.5393E	169	
Dracevica, Montenegro	DRME	Montenegro	42.1867N	19.1843E	300	From 2009-06-09
Drachov	A079A	Czech Republic	49.2288N	14.7074E	438	From 2015-10-15
Draeger Farm, Ripon	I42A	Wisconsin,U.S.A.	43.8908N	88.9134W	298	From 2011-09-28 to 2013-11-27
Dragan	DRR	Romania	46.7869N	22.7219E	955	From 1979-01-01 to 2004-03-05
Dragano-Lefkada	DRAG	Greece	38.6839N	20.5746E	348	From 2014-09-01
Dragasani	DRA	Romania	44.6786N	24.2561E	180	From 1978-01-01
Drage	N2B4	Norway	62.1190N	5.2430E	110	
Dragoon	218A	Arizona,U.S.A.	31.9737N	110.0464W	1486	From 2007-03-05 to 2009-01-20
Dragot	DRGI	Israel	31.5930N	35.3920E	12	
Drain, OR	I03D	Oregon,U.S.A.	43.6972N	123.3487W	140	From 2009-11-03
Drake	X35A	Oklahoma,U.S.A.	34.3995N	96.9731W	300	From 2010-04-18 to 2012-02-02
Drake Creek	DCID1	Idaho,U.S.A.	43.5945N	111.1845W	1871	
DRAMA	DRA2	Greece	41.1593N	24.1485E	110	From 2013-06-30
Dramaga	DBJI	Jawa,Indonesia	6.5538S	106.7497E	211	From 2005-01-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Draper Farm, Castleford	K12A	Idaho,U.S.A.	42.6360N	114.9029W	1091	From 2006-12-11 to 2008-07-25
Dreilaegerbach Talsperre	DREG	Nordrhein-Westfalen,Germany	50.6630N	6.2330E	390	From 2006-11-01
Drenchia	DRE	Italy	46.1733N	13.6433E	810	From 1982-12-20
Drewsey	I08A	Oregon,U.S.A.	43.9104N	118.5692W	1189	From 2006-07-23 to 2008-04-06
Drift River	DFR	Alaska,U.S.A.	60.5920N	152.6860W	1097	From 1988-08-15
Dromana	DROM	Victoria,Australia	38.3482S	144.9598E	138	
Drossia	DRO	Greece	37.9523N	21.7104E	422	From 2009-07-16
Drummondville	DRMQ	Quebec	45.8987N	72.4749W	91	From 2019-06-26
Drum Mountains (BLM), Topaz	P14A	Utah,U.S.A.	39.5906N	113.0687W	1784	From 2007-06-12 to 2008-11-18
Drumtochty	EDR	Scotland,United Kingdom	56.9190N	2.5393W	388	From 1989-01-12
Drury Creek, Yukon	M31M	Yukon Territory	62.2024N	134.3906W	639	From 2015-10-17
Dry Creek	GDCM	California,U.S.A.	38.7672N	123.2400W	772	From 1975-05-07
Dry Creek	MDYM	California,U.S.A.	37.6580N	119.0122W	2789	
Dry Creek	DCI	Idaho,U.S.A.	43.9548N	111.0960W	2020	From 1974-06-01 to 1980-07-24
Dry Ridge	DY-KY	Kentucky,U.S.A.	38.6497N	84.6433W	259	
Dry Ridge	DY-	Kentucky,U.S.A.	38.6497N	84.6433W	259	
Drytown Water District	ADWM	California,U.S.A.	38.4392N	120.8480W	251	From 1976-07-21
Dry Willow Peak	DWU	Utah,U.S.A.	38.1053N	112.9980W	2270	
DS10	DSI10	Israel	31.6010N	35.4000E	73	From 1993-01-01 to 1993-03-31
DS11	DSI11	Israel	31.8030N	35.5090E	-373	From 1993-01-01 to 1993-03-31
DS12	DSI12	Israel	31.7210N	35.4460E	9	From 1993-04-01 to 1993-11-30
DSDS2	DSDI2	Israel	31.1770N	35.4410E	-300	
Duane Minner, Soldier	P35A	Kansas,U.S.A.	39.5286N	96.0188W	418	From 2010-05-16 to 2012-03-16
Duarte Ranch	DUC	California,U.S.A.	38.0297N	122.0010W	168	From 1971-04-28
Duba	DBAS	Saudi Arabia	27.2100N	35.9700E	452	
Dubbo College Senior Campus	AUDCS	New South Wales,Australia	32.2300S	148.6300E	276	From 2013-05-29
Dubki	DBC	Dagestan,Russia	43.0200N	46.8300E	900	
Dublin	DSB	Ireland	53.2452N	6.3762W	236	From 1993-12-01
Dublin Merrion Square	DMS	Ireland	53.3406N	6.2486W	5	From 1990-11-01 to 2002-01-06
DUBNA INFRASONIC ARRAY REFERENCE POINT	I43RU	Moskovskaya Oblast',Russia	56.7214N	37.2176E	120	From 2009-05-20
Dubrovnik	DBR	Croatia	42.6470N	18.0790E	68	
Dubrovnik	DBRK	Croatia	42.6691N	18.1469E	293	
Dubuque	DBQ	Iowa,U.S.A.	42.5067N	90.6833W	244	From 1962-01-01
Ducktown	DCT	Tennessee,U.S.A.	35.0542N	84.4194W	508	
Duckwater	Q11A	Nevada,U.S.A.	38.8455N	115.6541W	1562	From 2006-06-08 to 2008-09-11
Dugan Ranch, Towner	B28A	North Dakota,U.S.A.	48.4492N	100.3616W	451	From 2009-08-10 to 2011-07-16
Dugi Otok	DUOK	Croatia	44.1131N	14.9318E	115	
Dugi Otok	DUGI	Croatia	43.9918N	15.0579E	299	
Dugout Coal Mine	DCM	Utah,U.S.A.	39.6950N	110.5833W	2537	
Dugway, Tooele County	DUG	Utah,U.S.A.	40.1950N	112.8133W	1477	From 1962-05-09
Duke of York Island	DOY	New Britain,Papua New Guinea	4.2170S	152.3980E	1	From 1983-11-17
Duksan	DKSA	Republic of Korea	36.9044N	128.1455E	303	From 2018-03-09
Dulce	DNM	New Mexico,U.S.A.	36.9333N	106.9960W		
Dulce Nombre, Nicoya, Guanacaste	DUNO	Costa Rica	10.0791N	85.4937W	174	From 2010-06-17
Dullstroom, Mpumalanga	DULL	South Africa	25.3648S	30.1759E	2033	From 2017-05-17
Duluth	DUL	Minnesota,U.S.A.	46.8200N	92.0833W	340	From 1952-01-01 to 1961-12-31
Dulzura	DUZA	Baja California	32.6066N	116.7748W	555	
Duma, A3G86	M3G86	Mozambique	20.2907S	33.6515E	119	
Dumoine, Pontiac MRC	E53A	Quebec,Canada	46.3784N	77.6638W	355	From 2012-09-12
Dumont d'Urville	DRV	Terre Adelie	66.6650S	140.0090E	40	
Dun	DUNF	Midi-Pyrenees	43.0240N	1.8110E	390	From 2015-07-13
Dunai	DUYS	Sakha,Russia	73.9200N	124.4900E	5	From 1988-11-01 to 1995-02-01
Dundee	EDU	Scotland,United Kingdom	56.5475N	3.0142W	275	From 1969-01-01
Dunderburg Mountain	DBMY	New York,U.S.A.	41.2944N	73.9750W	27	
Dundo	DUNDO	Angola	7.4083S	20.8400E	719	From 2018-07-31
Dundo	DUN	Angola	7.4088S	20.8372E	709	From 1970-03-01
Dundret	DUNU	Sweden	67.1215N	20.5688E	500	From 2003-11-25
Dunedin	DNZ	South Island,New Zealand	45.8647S	170.5151E	15	From 1979-11-02 to 1991-08-31
Dunedin-Penfold	DND	South Island,New Zealand	45.8817S	170.5318E	100	From 1945-01-01 to 1983-10-31
Dungji	WDGT	Taiwan region	23.2600N	119.6600E	33	
Dungshr Township	TWDS	Taiwan region	24.2600N	120.8310E	367	From 2001-04-10
Dunmovintown East	DTEM	California,U.S.A.	36.0975N	117.9258W	1152	
Dunnerdale	CDU1	England,United Kingdom	54.3362N	3.1952W	355	From 1992-01-01
Dunnigan Hills	NDHM	California,U.S.A.	38.7655N	121.9120W	69	
Dunn Peak	DPI	Idaho,U.S.A.	47.2887N	116.8990W	1709	
Dunn Ranch,Anza	DNR	California,U.S.A.	33.5667N	116.6306W	1274	From 2001-10-22
Dunphy	N10A	Nevada,U.S.A.	40.7186N	116.5080W	1392	From 2006-05-02 to 2008-08-15
Dunsandel	SKTD	South Island	43.6822S	172.2015E	66	
Dunsink Observatory	DDK	Ireland	53.3869N	6.3392W	85	From 1977-04-01 to 2002-01-06
Dunstable	K63A	New Hampshire,U.S.A.	42.6888N	71.5283W	68	From 2013-09-08
Duppenweiler	DUP	Rheinland-Pfalz,Germany	49.4113N	6.7863E	278	
Dupree	G27A	South Dakota,U.S.A.	45.3791N	101.9310W	761	From 2009-06-25 to 2011-05-26
Duragan	DGT	Turkey	41.4258N	35.0655E	255	From 1976-09-01
Durango	DGC	Colorado,U.S.A.	37.2625N	107.8990W	2340	From 1970-01-01 to 1972-11-30
Durango	DR-	Colorado,U.S.A.	37.4647N	107.7833W	2225	From 1961-10-01 to 1964-12-30
Durango	DR-CO	Colorado,U.S.A.	37.4647N	107.7833W	2225	From 1961-10-01 to 1964-12-30
Durant	DU-OK	Oklahoma,U.S.A.	34.0364N	96.2178W	198	From 1963-08-14 to 1964-03-09
Durant	DU-	Oklahoma,U.S.A.	34.0364N	96.2178W	198	From 1963-08-14 to 1964-03-09
Durant	Y36A	Oklahoma,U.S.A.	33.8996N	96.2848W	186	From 2010-04-26 to 2012-02-08
Durate Ranch	CDUM	California,U.S.A.	38.0297N	122.0010W	168	From 1971-04-28
Duren	BA11	Nordrhein-Westfalen,Germany	50.7666N	6.5010E	138	From 2006-10-01
Durgaprasadpur, Orissa	DRPR	India	20.1000N	84.4400E	240	From 2018-07-16
Durham	DUR	England,United Kingdom	54.7684N	1.5850W	103	
Durham (NH)	DNH	New Hampshire,U.S.A.	43.1225N	70.8948W	24	From 1976-01-01
Durham Road	DREZ	North Island,New Zealand	39.1888S	174.2010E	272	From 2008-03-04
Durika	DRK0	Costa Rica	9.2630N	83.2450W	1475	
Durkee	H09A	Oregon,U.S.A.	44.6653N	117.6643W	1263	From 2006-07-29 to 2008-07-12
Durlach	DURL	Germany	48.9961N	8.4819E	207	From 1905-01-01 to 1908-01-01
Durlach TMO44	A126A	Germany	48.9894N	8.4921E	182	From 2015-07-01
Duronia	DUI	Italy	41.6589N	14.4581E	918	
Durres	DURR	Albania	41.3199N	19.4573E	10	From 2015-01-15
Dursunbey	DURS	Turkey	39.6011N	28.4742E	960	From 2007-05-29
Dursunbey	DST	Turkey	39.6040N	28.6191E	685	From 1975-10-22
Dursunbey	DRB	Turkey	39.5811N	28.6374E	620	From 1970-08-01 to 1975-10-22
D'Urville Island	DUWZ	South Island,New Zealand	40.8017S	173.9217E	484	From 2003-12-10
D'Urville Island	DIW	South Island,New Zealand	40.8005S	173.9222E	460	From 1990-04-18 to 2004-06-09
Dushanbe	DSH	Tajikistan	38.5583N	68.7750E	847	
Dusheti	DUS	Georgia,Georgia	42.0902N	44.7019E	946	From 1953-01-01
Dusing	DSN	New York,U.S.A.	42.8443N	78.1803W	412	From 1971-07-01 to 1976-01-16
Dusty Glacier	YUK7	Yukon Territory,Canada	60.5307N	138.1399W	1992	From 2010-08-24
Dutch Harbor	DHA	Alaska,U.S.A.	53.8950N	166.5330W		
Dutch Harbor	DUT	Alaska,U.S.A.	53.8983N	166.5370W	60	
Dutton Round Hill	DT1	Alaska,U.S.A.	55.1075N	162.2808W	210	From 1996-08-01
Dutton South Flank	DTNA	Alaska,U.S.A.	55.1493N	162.2520W	366	From 1996-08-01
Duxbury	DXB	Massachusetts,U.S.A.	42.0610N	70.6992W	8	
Duxbury	DUX	Massachusetts,U.S.A.	42.0686N	70.7678W	27	From 1976-10-01
Dzce	YIGI	Turkey	40.9631N	31.4485E	353	From 2013-01-30
Dweir	DWR	Lebanon	33.3855N	35.4013E	420	
Dwight	DTN	Nebraska,U.S.A.	41.0217N	97.0358W	464	From 1980-08-25
Dye2	DY2G	Greenland	66.4740N	46.2639W	2110	From 2000-05-01
Dyer Hill	DHW	Washington,U.S.A.	47.9605N	119.7690W	850	From 1975-06-01
Dyer Hill 2	DHW2	Washington,U.S.A.	47.9853N	119.7700W	884	
Dyersburg	DY1	Tennessee,U.S.A.	36.1917N	89.3917W	120	From 1969-01-01 to 1970-12-31
Dyersburg	DRTN	Tennessee,U.S.A.	36.1370N	89.3650W	137	From 1989-08-08
Dylym	DLMR	Dagestan,Russia	43.0700N	46.6300E	420	
Dyngjuhals	IDYN	Iceland	64.7909N	17.3663W	1209	From 2011-09-29
Dyngjujokull	IDJK	Iceland	64.5041N	17.2357W	1683	From 2014-08-17
Dzhafr	DZH	Tajikistan	39.1000N	70.5833E	1650	
Dzhankel'dy	DZN	Uzbekistan	40.8500N	63.3400E	211	
Dzherino	DZE	Tajikistan	38.7800N	68.8300E		
Dzherino	DZET	Tajikistan	38.8055N	68.8270E	1200	From 2010-02-23
Dzhirgatal'	DZT	Tajikistan	39.2200N	71.2200E		
Dzhizak	DZI	Uzbekistan	40.1154N	67.8231E	383	
Dzioua	ODZI	Algeria	35.2900N	1.2300W	293	From 2005-01-01
E0210 Rd and N2420 Rd, Alva	OK035	Oklahoma,U.S.A.	36.7082N	98.7097W	485	From 2015-12-18
E0350 and S34600 Roads, Ralston	OK051	Oklahoma,U.S.A.	36.5052N	96.8360W	263	From 2016-09-11
E0420 Rd and N3200 Rd	OK049	Oklahoma,U.S.A.	36.4069N	97.3044W	327	From 2016-09-09 to 2016-11-08
E1X	E1X	Baja California	32.4780N	115.6390W	6	
E2X	E2X	Baja California	32.4083N	115.7008W	0	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
e3183	WP22	Namibia	19.8847S	13.9487E	908	From 2011-05-15
e3369	WP04	Namibia	21.2304S	14.9014E	863	From 2010-10-26
e3371	WP05	Namibia	20.5439S	14.4625E	604	From 2010-10-27
e3372	WP08	Namibia	19.8747S	12.9770E	6	From 2010-11-01
e3376	WP21	Namibia	19.6217S	14.8483E	1233	From 2010-10-30
e3380	WP02	Namibia	21.3047S	14.4751E	677	From 2010-10-25
e3381	WP01	Namibia	21.3520S	15.4405E	960	From 2010-10-24
e3382	WP06	Namibia	20.2142S	15.0128E	1080	From 2010-10-28
e3385	WP20	Namibia	18.6871S	14.9460E	1139	From 2010-11-15
E3X	E3X	Baja California	32.3453N	115.6198W	-2	
E4X	E4X	Baja California	32.3007N	115.7948W	36	
E5X	E5X	Baja California	32.4327N	115.8068W	66	
E6X	E6X	Baja California	32.2307N	115.6925W	0	
Eade Ranch	EADB	California,U.S.A.	35.8952N	120.4229W	254	
Eads	R27A	Colorado,U.S.A.	38.2859N	102.7980W	1201	From 2008-12-08 to 2010-11-07
Eagle	P22A	Colorado,U.S.A.	39.5952N	106.7589W	2170	From 2008-06-22 to 2010-06-15
Eagle	EGAK	Alaska,U.S.A.	64.7774N	141.1581W	296	From 2006-08-18
Eagle	EGC	Colorado,U.S.A.	39.6525N	106.8280W	2010	From 1970-01-01 to 1972-11-30
EAGLE 6TD - XM, 1306	E1306	Ethiopia	8.0494N	39.6922E	2549	
Eagle Butte	EBS	South Dakota,U.S.A.	44.9998N	101.2320W	735	From 1972-05-01
Eagle Creek	ECR	Idaho,U.S.A.	43.0540N	111.3710W	2086	
Eaglecrest	R32K	Alaska,U.S.A.	58.2747N	134.5181W	386	From 2016-08-21
Eagle Field, Dos Palos	T05C	California,U.S.A.	36.8953N	120.6737W	46	From 2005-02-14 to 2007-09-03
Eagle Flat	EF-	Texas,U.S.A.	31.1764N	105.1300W	1433	From 1962-01-25 to 1962-05-03
Eagle Flat	EF-TX	Texas,U.S.A.	31.1764N	105.1300W	1433	From 1962-01-25 to 1962-05-03
Eagle Ford 01	EF01	Texas,U.S.A.	29.1281N	98.3804W	173	From 2017-07-19
Eagle Ford 04	EF04	Texas,U.S.A.	29.2100N	97.7899W	116	From 2017-12-19
Eagle Lake	637A	Texas,U.S.A.	29.4390N	96.3324W	45	From 2010-05-24 to 2011-11-06
Eagle Lake Field Station, Susanville	ELFS	California,U.S.A.	40.6183N	120.7279W	1553	From 2005-05-20 to 2007-10-09
Eagle Lake Youth Camp, Lassen County, CA USA	EAGL	California	40.8424N	121.0495W	1734	From 2019-09-01
Eagle Mountain	MT2	Texas,U.S.A.	30.8990N	105.0800W	2088	From 1977-03-01 to 2003-01-28
Eagle Mountain	EAG	California,U.S.A.	33.8490N	115.4730W	366	From 1974-11-01 to 2002-12-20
Eagle Plains	EPYK	Yukon Territory,Canada	66.3701N	136.7191W	717	From 2012-10-10
Eagle's Nest	EGN	New York,U.S.A.	43.8595N	74.4818W	549	From 1971-09-01 to 1983-10-31
Eagleton	EGMT	Montana,U.S.A.	48.0240N	109.7547W	1055	From 2005-11-17
Eaglette Bearden	Y41A	Arkansas,U.S.A.	33.8807N	92.6113W	99	From 2011-05-06 to 2013-02-15
EAH	EAH	Morocco	31.6480N	9.5850W	180	
Earlville	K58A	New York,U.S.A.	42.7633N	75.6473W	509	From 2013-08-29
Early Branch	157A	South Carolina,U.S.A.	32.6780N	80.9972W	21	From 2013-02-25
Early Rise 101	ER101	Ontario,Canada	47.9297N	83.1364W	457	
Early Rise 102	ER102	Ontario,Canada	48.1019N	82.6036W	457	
Early Rise 103	ER103	Ontario,Canada	48.2264N	82.1694W	305	
Early Rise 104	ER104	Ontario,Canada	48.3378N	81.7542W	396	
Early Rise 105	ER105	Ontario,Canada	48.4878N	81.2706W	305	
Early Rise 106	ER106	Ontario,Canada	48.5383N	80.7681W	274	
Early Rise 107	ER107	Ontario,Canada	48.5386N	80.2775W	305	
Early Rise 108	ER108	Ontario,Canada	48.5333N	79.8642W	457	
Early Rise 109	ER109	Quebec,Canada	48.7975N	79.3572W	290	
Early Rise 110	ER110	Quebec,Canada	48.8636N	78.8636W	305	
Early Rise 111	ER111	Quebec,Canada	48.6225N	78.3106W	305	
Early Rise 112	ER112	Quebec,Canada	48.6964N	77.9039W	320	
Early Rise 113	ER113	Quebec,Canada	48.8361N	77.4203W	290	
Early Rise 114	ER114	Quebec,Canada	49.1194N	77.0067W	305	
Early Rise 115	ER115	Quebec,Canada	49.3811N	76.5378W	305	
Early Rise 116	ER116	Quebec,Canada	49.5914N	76.0267W	305	
Early Rise 117	ER117	Quebec,Canada	49.8236N	75.6000W	305	
Early Rise 118	ER118	Quebec,Canada	49.8206N	75.1281W	381	
Early Rise 119	ER119	Quebec,Canada	49.7906N	74.6381W	381	
Early Rise 120	ER120	Quebec,Canada	49.9247N	74.2583W	396	
Early Rise 201	ER201	Quebec,Canada	49.5947N	74.2772W	381	
Early Rise 202	ER202	Quebec,Canada	49.3533N	74.0381W	46	
Early Rise 203	ER203	Quebec,Canada	49.1858N	73.6717W	381	
Early Rise 204	ER204	Quebec,Canada	49.0400N	73.3633W	381	
Early Rise 205	ER205	Quebec,Canada	48.8747N	72.9336W	351	
Early Rise 207	ER207	Quebec,Canada	48.5564N	72.3456W	123	
Early Rise 208	ER208	Quebec,Canada	48.4097N	71.9767W	137	
Early Rise 209	ER209	Quebec,Canada	48.4856N	71.6039W	168	
Early Rise 210	ER210	Quebec,Canada	48.3447N	71.1464W	152	
Early Rise 211	ER211	Quebec,Canada	48.2758N	70.7978W	274	
Early Rise 212	ER212	Quebec,Canada	48.1725N	70.2931W	183	
Early Rise 213	ER213	Quebec,Canada	48.0150N	70.0728W	244	
Early Rise 215	ER215	Quebec,Canada	47.8044N	69.4231W	152	
Early Rise 216	ER216	Quebec,Canada	47.6272N	69.0097W	290	
Early Rise 217	ER217	Quebec,Canada	47.4864N	68.6633W	366	
Early Rise 218	ER218	New Brunswick,Canada	47.4047N	68.3417W	175	
Early Rise 219	ER219	New Brunswick,Canada	47.2181N	67.9167W	183	
Early Rise 220	ER220	New Brunswick,Canada	47.0175N	67.7278W	173	
Early Rise 221	ER221	New Brunswick,Canada	46.9122N	67.3647W	213	
Early Rise 222	ER222	New Brunswick,Canada	46.8806N	66.9761W	442	
Early Rise 223	ER223	New Brunswick,Canada	46.8133N	66.6133W	396	
Early Rise 224	ER224	New Brunswick,Canada	46.5922N	66.2322W	122	
Early Rise 225	ER225	New Brunswick,Canada	46.5383N	65.8464W	31	
Early Rise 226	ER226	New Brunswick,Canada	46.3369N	65.5950W	46	
Early Rise 227	ER227	New Brunswick,Canada	46.1961N	65.1625W	61	
Early Rise 228	ER228	New Brunswick,Canada	46.1475N	64.9058W	152	
Early Rise 229	ER229	New Brunswick,Canada	46.0150N	64.5211W	76	
Early Rise 230	ER230	New Brunswick,Canada	45.9686N	64.1742W	46	
Early Rise 231	ER231	Nova Scotia,Canada	45.8667N	63.8197W	15	
Early Rise 232	ER232	Nova Scotia,Canada	45.7489N	63.4486W	31	
Early Rise 234	ER234	Nova Scotia,Canada	45.5922N	62.7147W	76	
Early Rise 235	ER235	Nova Scotia,Canada	45.5986N	62.3006W	61	
Early Rise 236	ER236	Nova Scotia,Canada	45.5822N	61.9044W	15	
Early Rise 237	ER237	Nova Scotia,Canada	45.6264N	61.5583W	46	
Early Rise 238	ER238	Nova Scotia,Canada	45.6239N	61.2200W	23	
Early Rise 239	ER239	Nova Scotia,Canada	45.6617N	60.8392W	15	
Early Rise 241	ER241	Nova Scotia,Canada	46.0281N	60.2061W	76	
Early Rise 242	ER242	Nova Scotia,Canada	46.1606N	59.9367W	15	
Early Rise 300	ER300	Pennsylvania,U.S.A.	40.4617N	80.1806W	287	
Early Rise 301	ER301	Pennsylvania,U.S.A.	40.2869N	79.9494W	311	
Early Rise 302	ER302	Pennsylvania,U.S.A.	40.0783N	79.7703W	317	
Early Rise 303	ER303	Pennsylvania,U.S.A.	39.8753N	79.5306W	616	
Early Rise 304	ER304	Maryland,U.S.A.	39.6958N	79.2636W	823	
Early Rise 306	ER306	West Virginia,U.S.A.	39.2528N	78.9119W	290	
Early Rise 307	ER307	West Virginia,U.S.A.	39.0336N	78.6531W	457	
Early Rise 308	ER308	Virginia,U.S.A.	38.8297N	78.4356W	270	
Early Rise 309	ER309	Virginia,U.S.A.	38.6222N	78.2317W	232	
Early Rise 310	ER310	Virginia,U.S.A.	38.3764N	78.0556W	122	
Early Rise 311	ER311	Virginia,U.S.A.	38.1644N	77.8139W	128	
Early Rise 312	ER312	Virginia,U.S.A.	37.9578N	77.5933W	67	
Early Rise 313	ER313	Virginia,U.S.A.	37.7381N	77.4308W	64	
Early Rise 314	ER314	Virginia,U.S.A.	37.5247N	77.1858W	37	
Early Rise 315	ER315	Virginia,U.S.A.	37.2964N	76.9653W	18	
Early Rise 316	ER316	Virginia,U.S.A.	37.0883N	76.7550W	24	
Early Rise 317	ER317	Virginia,U.S.A.	36.8811N	76.5819W	18	
Early Rise 318	ER318	Virginia,U.S.A.	36.6356N	76.3594W	3	
Early Rise 319	ER319	North Carolina,U.S.A.	36.3908N	76.1642W	6	
Ear Mountain	EAM	Alaska,U.S.A.	65.9193N	166.2420W	700	
Earnscleugh	EAZ	South Island,New Zealand	45.2311S	169.3083E	350	From 2004-11-01
Earthquake Lake	QLMT	Montana,U.S.A.	44.8307N	111.4300W	2064	From 1994-09-09
East Anglia University	AEU	England,United Kingdom	52.6201N	1.2347E	15	
East Aurora	EAN	New York,U.S.A.	42.7686N	78.6192W	282	
East Aurora area, Hawthorne	TVH3	Nevada,U.S.A.	38.3548N	118.8199W	2071	
East Bangong	ST18A	Xizang Zizhiqu,China	31.9747N	89.2051E	4611	From 1998-07-24 to 1998-08-16
East Boqe	ST06	Xizang Zizhiqu,China	31.1243N	90.0972E	5084	From 1998-07-16 to 1999-06-01
Eastbourne	TEB	England,United Kingdom	50.8188N	0.1459E	70	From 1989-01-01
East Braintree	EB-MT	Manitoba,Canada	49.6278N	95.6222W	312	From 1963-08-06 to 1964-08-12
East Braintree	EB-	Manitoba,Canada	49.6278N	95.6222W	312	From 1963-08-06 to 1964-08-12
Eastbrook	H65A	Maine,U.S.A.	44.6961N	68.2469W	98	From 2013-09-16
East Cape	ECZ	North Island,New Zealand	37.6919S	178.5464E	40	From 1934-10-01 to 1985-07-26

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
East Claridon	CECL	Ohio,U.S.A.	41.5470N	81.1020W	362	
East Dome	ESD	Washington,U.S.A.	46.1973N	122.1500W	1609	
East End Reserv.	EASTN	Queensland,Australia	23.8641S	150.9647E	139	
East Entrance	YPEE	Wyoming,U.S.A.	44.4905N	110.0010W	2134	
Easter Island	EIC	Easter Island,Chile	27.1581S	109.4340W	42	
EASTER ISLAND INFRASONIC ARRAY REFERENCE POINT	I13CL	Easter Island,Chile	27.1273S	109.3627W	163	From 2005-03-17
East Falkland Island	EFI	Falkland Islands	51.6753S	58.0637W	110	
East Helena	E16A	Montana,U.S.A.	46.5336N	111.6764W	1398	From 2007-09-12 to 2009-07-13
East Kanab	EKU	Arizona,U.S.A.	37.0747N	112.4968W	1829	
East Lansing	LNSM	Michigan,U.S.A.	42.7310N	84.4770W	256	
East Machias	EMMT	Maine,U.S.A.	44.7833N	67.3533W	33	From 1932-07-01 to 1940-12-31
East Machias	EMMW	Maine,U.S.A.	44.7075N	67.4573W	35	
East Machias	EMM	Maine,U.S.A.	44.7392N	67.4894W	20	
East Mammoth Hills	MEMM	California,U.S.A.	37.6660N	118.9398W	2473	
East Mesa	EMSC	California,U.S.A.	32.7392N	114.9852W	11	
EAST OF PEDERNALES	EC06	Ecuador	0.0619N	79.9958W	56	From 2016-05-14
EAST OF QUINDE	EC05	Ecuador	0.3183N	79.3625W	133	From 2016-05-13
East of Rte 461 near Challis	ID03	Idaho,U.S.A.	44.4535N	113.8790W	1878	From 2014-06-25 to 2014-09-25
East Pahranagat Range	EPR	Nevada,U.S.A.	37.1687N	115.1864W	1305	From 1979-01-23 to 2002-10-10
East Prairie	EPRM	Missouri,U.S.A.	36.7173N	89.3583W	88	
East Promontory	EPU	Utah,U.S.A.	41.3915N	112.4090W	1436	From 1975-09-01
east rand property ines	ERPM	Transvaal,South Africa	26.3433S	28.2418E	1611	From 2006-05-23
East Ridge	PQ1	Maine,U.S.A.	44.9035N	67.3271W	93	
East Ridge	ERMT	Montana,U.S.A.	45.9932N	112.4560W	1928	From 1984-01-01 to 1987-10-01
East Ridge Elementary School	EARN	Washington,U.S.A.	47.7400N	122.0400W	10	
Eastshore Drive Alameda	C058	California,U.S.A.	37.7564N	122.2258W	8	From 2012-02-16
Eastside	ESTR	Nevada,U.S.A.	38.0913N	118.3267W	2012	
East Tamaki Reservoir	ETAZ	North Island,New Zealand	36.9535S	174.9278E	-215	From 2010-02-12
East Tongariro	ETVZ	North Island,New Zealand	39.1357S	175.7106E	1236	From 2014-03-04
East Traverse Mountains	ETU	Utah,U.S.A.	40.4772N	111.8440W	1884	From 1974-07-01 to 1983-11-30
East Waterloo Road, Luther	OK023	Oklahoma,U.S.A.	35.7247N	97.1623W	291	
East Wide Canyon	EWC	California,U.S.A.	33.9372N	116.3822W	466	
East Wray Mesa	PV17	Colorado,U.S.A.	38.2799N	108.9595W	1991	
Easy	EASY	Turkey	40.8747N	28.9713E	8	From 2006-09-29
Eaton	STRT	Tennessee	35.9390N	89.0732W	79	From 1989-11-23 to 1990-09-24
Eatonton	ETG	Georgia,U.S.A.	33.2912N	83.3507W	137	From 1978-02-01
E Barbuda OBS	O6A	Barbuda,Antigua and Barbuda	17.7920N	61.0220W	-496	
Ebbets Pass	EBP	California,U.S.A.	38.5828N	119.8063W	2432	
Eben Emael	BEBN	Belgium	50.7965N	5.6772E	80	From 1986-04-01
Ebenezer Church	EBZ	Tennessee,U.S.A.	35.1410N	89.3510W	169	From 1980-05-15
Ebreichsdorf	A004A	Austria	47.9629N	16.3968E	200	From 2015-11-02
Ebro Roquetas	EBRE	Spain	40.8228N	0.4940E	36	
Ebro Roquetas	EBR	Spain	40.8206N	0.4936E	50	
Ebsdorfer Grund, Hesen	EBSD	Hessen	50.7027N	8.8690E	374	From 2012-01-01
Ech Chlef	ECHF	Algeria	36.1562N	1.3403E	207	
Ech Chlef	ECHA	Algeria	36.1500N	1.3667E	0	
Echelle	ECG	Guadeloupe,France	16.0418N	61.6538W	1395	
Echery	ECH	Alsace,France	48.2158N	7.1583E	580	From 1967-10-31
Echo Falls	ECF	California,U.S.A.	34.4580N	119.0910W	1000	From 1975-11-01
Echo Lake	ELW	Washington,U.S.A.	47.4943N	121.8714W	267	
Echo Peak	EPM	Nevada,U.S.A.	37.2266N	116.3346W	2221	From 1990-09-18 to 2002-12-10
Echo Peak	EHN	Nevada,U.S.A.	37.2138N	116.3237W	2280	
Eclectic	150A	Alabama,U.S.A.	32.6067N	86.0220W	145	From 2012-01-18 to 2013-08-09
Ecole de Borzuat	SIEB	Switzerland	46.2955N	7.5351E	553	From 2012-01-27
Ecomontan@16a	MONT	El Salvador	13.8577N	89.6472W	2054	
Ecuado-Alausi-Hospital Civil	ALAH	Ecuador	2.2062S	78.8489W	2371	From 2012-01-24
Ecuador	ANGL	Ecuador	0.3929S	77.5444W	3360	From 1990-08-01
Ecuador-Atacames-Perla del penion casa Sr. Alberto Acosta	AATC	Ecuador	0.8632N	79.8649W	13	From 2011-10-22
Ecuador-Atuntaqui-Hospital	AAT1	Ecuador	0.3304N	78.2146W	2418	From 2010-10-14
Ecuador-Azoguez-PUCE	AZOG	Ecuador	2.7536S	78.8478W	2461	From 2012-08-08
Ecuador-Chone-Fundacion Padre Fitzgeral	ACHN	Ecuador	0.6977S	80.0839W	18	From 2011-11-27
Ecuador-Coca-Secretaria de Gestion de Riesgos	ACOC	Ecuador	0.4395S	76.9983W	263	From 2016-03-31
Ecuador-Cuenca-Aeropuerto	ACNC	Ecuador	2.8943S	78.9917W	2534	From 2016-04-05
Ecuador-Cuenca-Rayo Loma Transelectric	ACUE	Ecuador	2.9098S	78.9588W	2578	From 2012-03-28
Ecuador-Esmeraldas-Balao Refineria	AES1	Ecuador	0.9613N	79.6906W	173	From 2012-09-05
Ecuador-Guamote-Cuerpo de Bomberos	AGMT	Ecuador	1.9350S	78.7080W	3039	From 2011-06-09
Ecuador-Guaranda-U.T. de Guaranda	AGRD	Ecuador	1.5713S	79.0058W	2850	From 2012-12-30
Ecuador-Guayaquil-Cerro 507	AC07	Ecuador	2.1516S	79.9836W	445	From 2016-05-06
Ecuador-Guayaquil-Estadio Unamuno	GYE2	Ecuador	2.1986S	79.8995W	8	From 2011-09-02
Ecuador-Guayaquil-Kennedy Transelectric	GYE3	Ecuador	2.1548S	79.8992W	10	From 2011-09-01
Ecuador-Guayllabamba-Cuerpo de Bomberos	GBMB	Ecuador	0.0649S	78.3584W	2124	From 2016-09-27
Ecuador-Huaquillas Colegio Municipal	AHUA	Ecuador	3.4820S	80.2310W	14	From 2016-06-30
Ecuador-Imbabura-Ibarra Cuerpo de Bomberos	AIB1	Ecuador	0.3466N	78.1254W	2208	From 2011-02-18
Ecuador-Imbabura-Lita	ALIT	Ecuador	0.7945N	78.3609W	1206	From 2015-12-03
Ecuador-Loja-Univ. Tecnica Particular de Loja	ALJ1	Ecuador	3.9885S	79.1988W	2114	From 2010-07-23
Ecuador-Macara	AMCR	Ecuador	4.3696S	79.9545W	532	From 2016-03-15
Ecuador-Macas Aeropuerto	AMCS	Ecuador	2.3024S	78.1202W	1031	From 2012-09-19
Ecuador-Machachi	AMAC	Ecuador	0.5406S	78.5819W	3064	From 2011-04-17
Ecuador-Machala-Colibri El Vergel	ACH2	Ecuador	3.2637S	79.8101W	103	From 2012-08-16
ECUADOR-MANABI-PORTOVIEJO-INSTITUTO NACIONAL PATRIMONIO CULTURAL	APO3	Ecuador	1.0568S	80.4500W	48	From 2017-06-24
Ecuador-Monte Verde-Cenaim Espol	AMTV	Ecuador	1.9556S	80.7285W	27	From 2012-05-17
Ecuador-Municipio El Carmen	ACRM	Ecuador	0.2718S	79.4519W	247	From 2016-04-08
Ecuador-Napo Ana Tenorio	APSY	Ecuador	0.9775S	78.2619W	3041	From 2016-03-09
Ecuador Network	MECU	Ecuador	0.5375S	78.2442W	4090	
Ecuador Network	CECU	Ecuador	0.4762S	77.8703W	2220	
Ecuador Network	GECU	Ecuador	0.3172S	78.1897W	4350	
Ecuador Network	BECU	Ecuador	0.4747S	78.5962W	3320	
Ecuador Network	IECU	Ecuador	0.4750S	78.3067W	3720	
Ecuador Network	AECU	Ecuador	0.2705S	78.4070W	3000	
Ecuador Network	PECU	Ecuador	0.3950S	78.6025W	3550	
Ecuador Network	RECU	Ecuador	0.6420S	78.4030W		
Ecuador-Perdenales	APED	Ecuador	0.0679N	80.0573W	15	From 2011-11-26
Ecuador-Portoviejo-DIRMOV CC.FF.AA.	APO2	Ecuador	1.0632S	80.4561W	45	From 2012-09-06
Ecuador-Portoviejo-UTM Jardin Botanico Estacin Inamhi	APO1	Ecuador	1.0376S	80.4596W	47	From 2012-09-06
Ecuador-Puerto Esmeraldas Inocar	AES2	Ecuador	0.9909N	79.6461W	1	From 2012-09-04
Ecuador-Quito-CDC San Antonio de Pichincha	SADP	Ecuador	0.0026S	78.4502W	2449	From 2015-07-17
Ecuador-Salcedo-Hospital Yerovi Mackuart	ASLC	Ecuador	1.0392S	78.5914W	2653	From 2010-12-30
Ecuador-Same-Casa blanca conjunto D'capri	ASAM	Ecuador	0.8427N	79.9152W	110	From 2012-08-31
Ecuador-San Lorenzo-Base Maritima Naval	ALOR	Ecuador	1.2925N	78.8470W	10	From 2011-10-20
Ecuador-Tababela-Aeropuerto Mariscal Sucre	AIMS	Ecuador	0.1157S	78.3619W	2359	From 2017-01-27
Ecuador-Tonsupa-conjunto Habitacional Cabaplan	ATON	Ecuador	0.8883N	79.8124W	10	From 2011-10-21
Ecuador-Trinitaria-Transelectric	GYE1	Ecuador	2.2507S	79.9099W	7	From 2011-09-01
Ecuador-Tulcan-Hospital Luis G. Davila	ATLC	Ecuador	0.8314N	77.7083W	2920	From 2016-06-14
Ecuador-Univ. Catolica Bahia de Caraquez	ABH2	Ecuador	0.6594S	80.3974W	37	From 2011-11-27
Ecuador-Universidad Tecnica de Babahoyo	ABAB	Ecuador	1.8005S	79.5123W	13	From 2012-07-25
Ecuador-Universidad Tecnica de Machala	ACH1	Ecuador	3.2874S	79.9103W	13	From 2012-08-15
Ecuador-Zamora	AZAM	Ecuador	4.0693S	78.9553W	940	From 2011-09-08
Edea	EDA	Cameroon	3.7791N	10.1533E	0	From 2019-03-28
Eden	EDEN	Ecuador	0.0367S	78.5212W	3270	
Eden Park BICEP	EPAZ	North Island,New Zealand	36.8755S	174.7436E	-343	From 2011-08-23
Edessa	EDE1	Greece	40.8040N	22.0507E	150	From 2008-10-01
Edgard	545A	Louisiana,U.S.A.	30.0441N	90.4894W	3	From 2011-03-11 to 2012-12-09
Edge Creek, AK	M27K	Alaska	62.3579N	141.8780W	1536	From 2015-07-12
Edgecumbe	EDRZ	North Island,New Zealand	38.1065S	176.7393E	780	From 1993-03-10
Edge Oya	EO1	Svalbard,Norway	77.6583N	21.2167E	4	From 1977-01-01
Edgerton	M48A	Ohio,U.S.A.	41.4846N	84.7171W	258	From 2012-07-22
Edgewood	ED-MI	Michigan,U.S.A.	43.2556N	84.4114W	213	From 1965-12-02 to 1965-12-13
Edgewood	ED-	Michigan,U.S.A.	43.2556N	84.4114W	213	From 1965-12-02 to 1965-12-13
Edificio de Ingeniera Civil	CIVI	Ecuador	0.2118S	78.4912W	2850	From 2010-08-24
Edinburgh	EDI	Scotland,United Kingdom	55.9233N	3.1861W	125	
Edincik	EDC	Turkey	40.3468N	27.8634E	270	From 1972-12-03
Edincik	EDT	Turkey	40.3468N	27.8634E	270	From 1972-12-03
Edirne	EDRB	Turkey	41.8470N	26.7440E	209	
Edirne/Enez-Cavuskoy	CAVK	Turkey	40.6917N	26.1677E	97	From 2014-12-01
Edirne-Kesan	KESN	Turkey	40.8259N	26.6800E	3071	From 2010-11-11
Edison Barstow Service Cntr. Barstow	RRX	California,U.S.A.	34.8753N	116.9968W	439	From 2000-11-08
Edison CC	ECCO	Ohio,U.S.A.	40.1580N	84.2130W	274	
Edith	EDIT	Tennessee,U.S.A.	35.8630N	89.5543W	148	
Edith	T22A	Colorado,U.S.A.	37.0138N	106.9030W	2224	From 2007-12-21 to 2010-02-07

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Edmonton	T49A	Kentucky,U.S.A.	37.1050N	85.5334W	313	From 2012-05-21
Edmonton	EDM	Alberta,Canada	53.2217N	113.3500W	730	From 1963-04-01
Edmundbyers	EDMD	England,United Kingdom	54.8312N	1.9636W	337	From 2011-10-04
Edmundston	EBN	New Brunswick,Canada	47.4617N	68.2417W	195	From 1981-10-28
Edmundston, New Brunswick	EDMN	New Brunswick,Canada	47.4607N	68.2398W	186	From 2000-10-16
Edremit-Balkesir	YAYO	Turkey	39.6114N	27.0726E	122	From 2019-03-20
Edson Butte	KEBM	Oregon,U.S.A.	42.8722N	124.3342W	818	
Edwards Air Force Base 2, Rosamond	EDW2	California,U.S.A.	34.8811N	117.9939W	772	From 2004-05-04
Edwards Air Force Base,Rosamund	EDW	California,U.S.A.	34.8830N	117.9911W	789	From 1990-03-15 to 2004-08-03
EDZO	EDZN	Northwest Territories,Canada	62.7272N	116.0990W	244	From 2011-07-15
Eel River Conservation Camp, Redway	O01C	California,U.S.A.	40.1398N	123.8195W	137	From 2005-08-25 to 2007-11-17
Eenrum	ENM2	Netherlands	53.4064N	6.4817E	-99	From 2010-01-22
Eenrum	ENM4	Netherlands	53.4064N	6.4817E	-199	From 2010-01-22
Eenrum	ENM	Netherlands	53.4076N	6.4823E	1	
Eenrum	ENM3	Netherlands	53.4064N	6.4817E	-149	From 2010-01-22
Eenrum	ENM1	Netherlands	53.4064N	6.4817E	-49	From 2010-01-22
Effingham	EFO	Ontario,Canada	43.0917N	79.3117W	168	From 1979-07-06
EFORIE	EFOR	Romania	44.0795N	28.6323E	30	From 2008-11-12
Efpalio	EFP	Greece	38.4269N	21.9058E	115	From 2006-08-03
Efringen	EFR	Baden-Wurttemberg,Germany	47.6653N	7.5637E	280	From 1984-12-01 to 2020-02-01
Ega'aton	GIF2	Israel	33.0030N	35.2230E	200	From 1993-05-01 to 1993-05-31
Eggersriet	SGT05	Switzerland	47.4418N	9.4559E	905	From 2012-01-15
Eggstetten, Simbach am Inn, Bavaria	A146A	Germany	48.2928N	12.9750E	464	From 2016-01-18
Egilsstadhir	EGI	Iceland	65.2833N	14.3833W	25	
Eglisau, Reservoir Grafenholz, ZH	QEG00	Switzerland	47.5814N	8.5373E	494	From 2016-10-14
Egridir - ISPARTA	BAGO	Turkey	37.9905N	30.7886E	958	From 2010-07-06
EGRIP Drilling camp	EGRIP	Greenland	75.6268N	35.9915W	2665	From 2015-06-01
Egvard	EGVZ	Armenia	39.2267N	46.5418E	1358	
Egvekinot, Chukotka	EGV	Magadanskaya Oblast',Russia	66.3230N	179.1270W	18	From 1990-01-01 to 1994-12-31
Egyhazaskeszo	EGYH	Hungary	47.4171N	17.3318E	225	From 2014-07-24
Eichelberg	A353A	Germany	49.5178N	10.5426E	415	From 2015-10-23
Eidsvold	EIDS	Queensland,Australia	25.3691S	151.0817E	216	From 2002-11-06
Eielson Array	NPO	Alaska,U.S.A.	64.7714N	146.8865W	419	
Eielson Array Beam Reference Point	ILAR	Alaska,U.S.A.	64.7714N	146.8866W	419	
Eielson Array Broadband	ILB	Alaska,U.S.A.	64.7714N	146.8866W	419	From 1993-07-01
Eielson Array Site 1	IL1	Alaska,U.S.A.	64.7716N	146.8860W	418	From 1993-07-01
Eielson Array Site 10	IL10	Alaska,U.S.A.	64.7529N	146.8431W	586	
Eielson Array Site 11	IL11	Alaska,U.S.A.	64.7415N	146.8974W	444	
Eielson Array Site 12	IL12	Alaska,U.S.A.	64.7447N	146.9436W	366	
Eielson Array Site 13	IL13	Alaska,U.S.A.	64.7479N	146.9865W	367	
Eielson Array Site 14	IL14	Alaska,U.S.A.	64.7750N	146.9794W	223	
Eielson Array Site 15	IL15	Alaska,U.S.A.	64.7777N	146.9428W	336	
Eielson Array Site 16	IL16	Alaska,U.S.A.	64.7933N	146.9215W	382	
Eielson Array Site 17	IL17	Alaska,U.S.A.	64.8072N	146.8898W	357	
Eielson Array Site 18	IL18	Alaska,U.S.A.	64.7575N	146.7768W	554	
Eielson Array Site 19	IL19	Alaska,U.S.A.	64.7461N	146.7974W	549	
Eielson Array Site 2	IL02	Alaska,U.S.A.	64.7847N	146.8643W	261	
Eielson Array Site 3	IL03	Alaska,U.S.A.	64.7714N	146.8512W	440	
Eielson Array Site 4	IL04	Alaska,U.S.A.	64.7570N	146.8761W	528	
Eielson Array Site 5	IL05	Alaska,U.S.A.	64.7731N	146.9229W	389	
Eielson Array Site 6	IL06	Alaska,U.S.A.	64.7792N	146.9040W	262	
Eielson Array Site 7	IL07	Alaska,U.S.A.	64.7993N	146.8393W	401	
Eielson Array Site 8	IL08	Alaska,U.S.A.	64.7903N	146.7969W	505	
Eielson Array Site 9	IL09	Alaska,U.S.A.	64.7681N	146.7832W	494	
Eigenji	JEG	Shiga,Japan	35.1353N	136.3905E	433	From 1996-01-01
Eightmile Canyon	EMI	Idaho,U.S.A.	44.0742N	112.9260W	1963	From 1992-01-01
Eighty Mile Beach, WA	CAAN	Western Australia	19.2643S	121.5129E	19	From 2019-08-23
Eilat	HAMT	Israel	29.5470N	34.9640E	0	From 1987-06-01 to 1987-12-31
Eilat	YHRM	Israel	29.5860N	34.8780E	680	From 1993-01-01 to 1993-12-31
Eilot	ELOT	Israel	29.5980N	34.9480E	120	From 1984-01-01 to 1986-02-28
Eilot, SHRT	SHRTI	Israel	29.5960N	34.9450E	134	From 1984-01-01 to 1988-03-31
Ein Gedi	ENGI	Israel	31.4690N	35.3940E	-321	
Ein Harod, GVMR	GVMRI	Israel	32.5660N	35.4040E	95	From 1988-05-01 to 1996-01-31
Ein Ya'akov	GIF1	Israel	33.0090N	35.2390E	200	From 1993-05-01 to 1993-05-31
Eisghbrachaidh	REB	Scotland,United Kingdom	58.1188N	5.2822W	100	From 1995-09-10
Ej. Aguas Calientes	AGSX	Baja California	32.2658N	115.1610W	12	From 2007-12-01
Ej. Heriberto Jara	JARAX	Baja California	32.5370N	115.5810W	6	From 2015-06-17
Ejido Choropo, HJA	HJAMX	Baja California	32.5233N	115.5233W	18	
Ejido Heroes de la Independencia	HDI	Baja California	31.6150N	115.6016W	1078	From 1995-01-16
Ejido Nueno Leon	CPE2	Baja California	32.3825N	115.1997W	9	
Ejido Nuevo Leon	D09	Baja California	32.4275N	115.1740W	9	
Ejido Zacamoto, CPS	CPSMX	Baja California	32.3440N	115.2640W	9	
Ej. Ojos Negros	OJOX	Baja California	31.8572N	116.0985W	740	
Ej. Pescaderos	PESCX	Baja California	32.4330N	114.9640W	21	From 2015-06-24
Ej. Tamaulipas	TAMA	Baja California	32.5324N	115.2170W	16	From 2011-05-26
Ej. Tlaxcala, Mexicali	TLAX	Arizona	32.4480N	114.0590W	11	From 2013-05-22
Ej. Yucat¡n	YUCAX	Baja California	32.6054N	115.0940W	24	From 2015-06-22
Ekalaka	F24A	Montana,U.S.A.	45.8452N	104.4448W	1105	From 2008-11-15 to 2010-08-06
Ekati Mine	EKTN	Northwest Territories,Canada	64.6984N	110.6095W	469	
Ekimchan	EKMR	Khabarovskiy Kray,Russia	53.0700N	132.9500E	543	
Ekimyata	PR6R	Permskiy Kray,Russia	58.1658N	56.0925E	163	From 2006-11-08
Ekona	EKC	Cameroon	4.2100N	9.3269E	450	From 1984-12-01
Eksjoe	EKSU	Sweden	57.5726N	15.3016E	250	From 2002-05-04
El Abra	ABR	Veracruz,Mexico	19.8070N	96.5345W	520	
El Achiote	TENO	Costa Rica	10.7036N	84.9773W	651	From 2004-01-01
Elaiones	ITS1	Greece	40.6250N	23.0121E	167	From 2015-07-30
El `Aiyat	AUT	Egypt	29.6660N	31.1800E		
Elanda	ELDR	Altayskiy Kray,Russia	51.2170N	86.0900E	472	
El Angel	ANGS	El Salvador	13.8000N	89.1917W	850	From 1991-12-01
El Angel-Carchi	LNGL	Ecuador	0.7403N	78.0032W	4003	From 2014-10-31
El Aouinet	M016	Morocco	34.3785N	2.1565W	1613	
El Apazote	APG	Guatemala	15.0040N	90.4643W	1880	
El Aromo	ELAR	Ecuador	1.0499S	80.8341W	299	From 2017-09-22
Elat	EIL	Israel	29.6699N	34.9512E	210	From 1997-01-01
Elaudy	ELYF	Aquitaine,France	43.1700N	0.9917W	700	From 1985-02-01 to 1998-01-22
Elvisluoto, Pyhjoki	OBF1	Finland	64.4100N	24.0400E	25	From 2013-08-01
El Ayoun	AYNT	Tunisia	35.5737N	8.9292E	1100	
Elazig	ELZ	Turkey	38.6894N	39.2064E	1180	From 1973-09-17 to 1974-05-31
Elazig	ELA	Turkey	38.6833N	39.2333E		
Elazig	ELZG	Turkey	38.4978N	38.9844E	1640	From 2002-04-25
Elazig, Kovancilar-Tepebag	KOVA	Turkey	38.7057N	39.8126E	1101	From 2014-12-01
Elbasan	ELBAS	Albania	41.1161N	20.0799E	142	From 2014-10-29
El Baul	BAUV	Venezuela	8.9433N	68.0415W	106	
El Beisbol	MIN2	Colombia	4.3727N	75.7232W	1650	
EL BOTADO, WEST OF QUINDE	EC04	Ecuador	0.2899N	79.6141W	127	From 2016-05-13
El Cabril	EXCBR	Spain	38.0742N	5.4131W	426	
El Cabril	ECAB	Spain	38.0753N	5.4186W	520	
El Cacao, Veraguas	CACAO	Panama	7.3450N	80.8610W	27	From 2010-01-01
EL CAFE	CAFV	Venezuela	10.2649N	68.0541W	1060	From 2004-05-25
El Cajon	ECA	California,U.S.A.	32.8000N	116.9500W	135	From 1949-01-01 to 1999-08-25
El Campo Drive San Jose	C041	California,U.S.A.	37.3757N	121.8261W	54	From 2010-07-08
El Canelo	CACH	O'Higgins,Chile	34.1169S	70.6000W	1300	From 1990-11-06
El Carmen	VMM10	Colombia	6.7670N	73.7250W	165	From 2015-10-12
El Cayaco	CAIG	Guerrero,Mexico	17.0478N	100.2673W	80	
El Centro	ECC	California,U.S.A.	32.7983N	115.5480W	-15	From 1956-11-28 to 1970-09-30
El Centro	ETC	Colombia	6.8625N	73.7694W	140	From 1975-01-31
Elche	EXEL	Spain	38.2660N	0.6980W	108	
El Chinero	ECBX	Baja California,Mexico	31.4725N	115.0518W	40	From 1983-05-17
El Chorizo, N3	TUN3	Nicaragua	12.3069N	86.6447W	68	
El Cipres, CIP	CCIP	Mexico	31.8108N	116.5767W	78	
Elcito	EL6	Italy	43.3293N	13.1017E	978	From 2005-09-01
Elco	ELC	Illinois,U.S.A.	37.2850N	89.2270W	153	From 1974-07-19
Elcoad	IELO	Spain	42.8432N	1.2366W	819	From 2008-07-18
El Coco	LCOCO	Costa Rica,Costa Rica	10.0837N	83.5573W	204	
El Congo, B4	TUB4	Nicaragua	11.8812N	85.1218W	107	
El Consuelo, B3	TUB3	Nicaragua	12.2064N	85.4224W	156	
El Cortezo, Los Santos	CORT	Panama	7.4290N	80.6350W	155	From 2010-01-01
El Cristo, Cocle	CRIS3	Panama	8.2540N	80.6170W	72	From 2010-01-01
El Crucero	CRUN	Nicaragua	11.9833N	86.3000W	930	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Elda	EXED	Spain	38.4720N	0.7910W	407	
Eldee	EEO	Ontario,Canada	46.6411N	79.0733W	398	From 1984-03-04
Eldivan	ELDT	Turkey	40.4900N	33.4269E	1596	From 1992-07-01
El Doctor, EDO	EDOMX	Sonora	31.9594N	114.7450W	14	
Eldon	D03D	Washington,U.S.A.	47.5347N	123.0894W	262	From 2010-08-25
Eldorado	EDMA	Misiones,Argentina	26.3635S	54.4305W	228	
El Dorado	EDK	Kansas,U.S.A.	37.7738N	96.7950W	418	From 1978-04-17 to 2001-07-15
Eldorado Mountains	EMN	Nevada,U.S.A.	35.9214N	114.7541W	785	From 1988-08-11 to 2002-10-10
Electric Lake	ELU	Utah,U.S.A.	39.6402N	111.2038W	2970	
El Ejido	EXEJI	Spain	36.7743N	2.8112W	109	
El Ejido	EXEE	Spain	36.7750N	2.8130W	107	
El Empalme, Bocas del Toro	CNI2	Panama	9.4240N	82.4710W	8	From 2010-01-01
Elena	ELND	Bulgaria	42.9287N	25.8751E	334	From 2012-11-20
Eleon	S024	Greece	38.3620N	23.4470E	235	
Elephant Butte, Truth or Consequences	Z22A	New Mexico,U.S.A.	33.2555N	106.9639W	1497	From 2008-04-11 to 2010-03-20
Eleskirt	EATA	Turkey	39.8622N	42.4916E	2770	From 2009-10-04
El Faro	LFRS	El Salvador	13.6233N	89.0617W	1000	From 1991-12-01
Elgin	H56A	Ontario,Canada	44.5930N	76.2594W	137	From 2012-11-17
Elgin	L32A	Nebraska,U.S.A.	42.0045N	98.0080W	586	From 2010-07-18 to 2012-04-25
Elginfield	ELF	Ontario,Canada	43.1933N	81.3150W	320	From 1975-06-01
Elginfield	ELFO	Ontario,Canada	43.1930N	81.3163W	298	From 2009-05-21
Elgin, New Brunswick	ELNB	New Brunswick,Canada	45.8543N	65.1510W	158	From 2012-07-25
El Golfo de Santa Clara	EGO	Sonora	31.6872N	114.4980W	8	
El Golfo de Santa Clara	EGM	Baja California,Mexico	31.6783N	114.4920W	5	From 1969-04-26
El Granada	JEGM	California,U.S.A.	37.5140N	122.4620W	202	From 1975-02-10
El Granado	EGRO	Spain	37.5342N	7.4831W	130	
El Guri	GURV	Venezuela	7.7600N	63.0850W	199	From 2003-05-15
Elham, Standardhill Farm (Kent)	ELSH	England,United Kingdom	51.1482N	1.1345E	126	From 2008-01-25
El Hato	EHV	Venezuela	8.8064N	70.8647W	3700	From 1974-01-01
El Hierro	CTAN	Canary Islands,Spain	27.7544N	18.0543W	180	From 2011-07-01
El Hierro	CHIE	Canary Islands,Spain	27.7270N	17.9607W	170	From 1989-06-01
El Hierro	CTIG	Canary Islands,Spain	27.7882N	17.9221W	53	From 2009-08-14
El Hiral	FRIJ	Panama	9.2220N	79.7260W	0	
El Hobo	HOBC	Colombia	4.3548N	76.1355W	1180	From 1987-01-01
El Hobo, HOBC	HOBC2	Colombia	4.3882N	76.1457W	1103	
Elida	Y26A	New Mexico,U.S.A.	33.9232N	103.8246W	1371	From 2008-04-18 to 2010-03-10
Elidar	LYDE	Ethiopia	12.0545N	41.9257E	435	
Elifaz, MTB	MTBI	Israel	29.7910N	34.9070E	842	From 1986-06-01 to 1988-03-31
Elim	ELIM	Cape Province,South Africa	34.5967S	19.7450E	472	From 2000-01-01
Elim	H16K	Alaska,U.S.A.	64.6379N	162.2390W	216	From 2017-07-21
Eliza Dome	EDB	British Columbia,Canada	49.8737N	127.1200W	189	
Elizondo	ELIZ	Spain	43.1639N	1.5285W	523	From 1992-12-03
El Julan, El Hierro	CJUL	Canary Islands,Spain	27.7296N	18.0823W	1282	From 2011-07-01
El Kantara	CKTS	Algeria,Algeria	35.2267N	5.6900E	671	
Elk Butte	EBI	Idaho,U.S.A.	46.8375N	116.1180W	1765	From 1987-01-01 to 2015-04-14
Elk Chute Ditch	ECD	Missouri,U.S.A.	36.0600N	89.9400W	79	From 1975-09-25 to 1992-02-29
Elk City	F12A	Idaho,U.S.A.	45.7565N	115.2547W	1442	From 2006-11-03 to 2009-06-15
Elk Creek	EKMT	Montana	47.3505N	112.5383W	1472	From 2018-08-23
El Kharrouba	AKED	Algeria,Algeria	36.6510N	3.4140E	178	
Elkhorn Farm, Martin	J27A	South Dakota,U.S.A.	43.2526N	102.0069W	1081	From 2009-08-01 to 2011-05-11
Elkhorn Ranch	EKH	California,U.S.A.	36.6647N	121.1740W	342	From 1971-02-01
Elkhorn Ranch	BEHM	California,U.S.A.	36.6647N	121.1740W	342	From 1971-02-01
Elkhorn Rd, Fairplay, N15	NCR15	Colorado	39.1850N	105.7582W	2887	
Elkhorn Road	HERM	California,U.S.A.	36.7983N	121.7110W	69	
Elko	EKO	Nevada,U.S.A.	40.8122N	115.7760W	1615	From 1969-11-12
Elko	ELK	Nevada,U.S.A.	40.7448N	115.2390W	2210	From 1968-11-01
Elko Archery Club, Elko	N11A	Nevada,U.S.A.	40.8167N	115.7360W	1643	From 2006-05-03 to 2008-08-13
Elk River	EKR	California,U.S.A.	40.6953N	124.1390W	49	From 1974-06-20
Elk Rock	ERK	Washington,U.S.A.	46.3056N	122.3410W	1270	
El Ksiba	KIB	Morocco	32.5760N	6.0390W	935	
Ellensburg	EBG	Washington,U.S.A.	46.9097N	120.5680W	805	
Ellensburg	EL-	Washington,U.S.A.	46.9242N	120.7300W	975	From 1962-05-28 to 1962-06-28
Ellensburg	EL-WA	Washington,U.S.A.	46.9242N	120.7300W	975	From 1962-05-28 to 1962-06-28
Ellenville	ELNV	New York,U.S.A.	41.5000N	74.4398W	323	
Ellicott	JELM	California,U.S.A.	36.9273N	121.8270W	85	
Ellicott City	ECM	Maryland,U.S.A.	39.2613N	76.8842W	140	
Ellicott, Santa Cruz County	JELB	California,U.S.A.	36.9274N	121.8276W	81	From 2006-07-19
Elliot Lake	ELLO	Ontario,Canada	46.3832N	82.6639W	328	
Ellis	Q31A	Kansas,U.S.A.	39.0048N	99.3950W	680	From 2009-05-18 to 2011-03-20
El Lisan	LISJ	Jordan	31.2400N	35.4810E	-327	From 1990-02-23
Ellis County	ELIS	Oklahoma,U.S.A.	36.0652N	99.4180W	641	From 2016-04-07
Ellis Ranch, Medicine Bow	L22A	Wyoming,U.S.A.	42.0310N	106.4338W	2012	From 2007-11-26 to 2010-05-13
Ellisras	ERS	Transvaal,South Africa	23.6816S	27.7233E	840	From 1994-07-01 to 2003-11-21
Elliston	ELMT	Montana,U.S.A.	46.5222N	112.4945W	1981	From 1996-08-31
El Llanito	LLAV	Venezuela	10.4696N	66.8097W	875	From 1988-01-01
Ellsinore	EN-MO	Missouri,U.S.A.	36.8828N	90.5956W	152	From 1965-10-25 to 1966-02-25
Ellsinore	EN-	Missouri,U.S.A.	36.8828N	90.5956W	152	From 1965-10-25 to 1966-02-25
Ellsworth	ECT	Connecticut,U.S.A.	41.8346N	73.4113W	342	From 1976-01-28 to 1999-08-25
Ellsworth Farm, Hinsdale	B21A	Montana,U.S.A.	48.4278N	107.0166W	661	From 2008-09-05 to 2010-07-18
EL LUCERO, RIO SANCHEZ	LUCE	Ecuador	0.6602S	79.9499W	250	From 2016-05-22
Elm	EMA	Alabama,U.S.A.	33.2210N	87.4738W	92	From 1971-01-09
Elma	ELM	New York,U.S.A.	42.8497N	78.6442W	216	From 1971-07-01 to 1976-07-28
El Madrono, N7	TUN7	Nicaragua	12.6358N	86.4942W	78	
Elmali	ELL	Turkey	36.7482N	29.9085E	1230	From 1973-11-29
El Manteco	GMV	Venezuela	7.3558N	62.5404W	248	
El Maslubiya	MASJ	Jordan	31.7290N	35.7183E	822	From 1983-09-01
El Mayor	EMX	Baja California,Mexico	31.9881N	115.2416W	10	From 1981-10-19
El Mayor, ELM	CELM	Mexico	32.9883N	115.2423W	28	
Elmendorf Base	EAFB	Alaska,U.S.A.	61.2335N	149.7718W	61	From 1994-06-24
Elmer	X32A	Oklahoma,U.S.A.	34.4214N	99.2854W	401	From 2009-10-25 to 2011-09-07
El Minia	TAMRE	Egypt	27.6821N	30.9175E	145	
El Mirage	ELMC	California,U.S.A.	34.5262N	117.6400W	986	
El Mirage 2	EL2	California,U.S.A.	34.5295N	117.5435W	1106	
Elmo	EO2TX	Texas,U.S.A.	32.6481N	96.1586W	158	
El Monte Cty Pk	EML	California,U.S.A.	32.8908N	116.8457W	161	
Elmore Ranch	ERRC	California,U.S.A.	33.1168N	115.8227W	-56	
Elmore Ranch	ELRC	California,U.S.A.	33.1475N	115.8334W	-97	
Elmsett, Ipswich	ELMS	England	52.0933N	0.9895E	74	From 2015-08-14
El Naranjo	PATR	Chiapas	15.1168N	92.2340W	1929	
El Nido	ENPP	Palawan,Philippines	11.2060N	119.4250E	27	
El Novillo Sonora	NOVRB	Baja California	28.9410N	109.6440W	287	From 2016-08-24
Elora Gorge	ELGO	Ontario,Canada	43.6755N	80.4374W	377	
Elorza	ELOV	Venezuela	7.0010N	69.4830W	105	From 2003-04-03
Eloszallas	PKB1	Hungary	46.7843N	18.7922E	28	From 2016-03-01
Eloy	116A	Arizona,U.S.A.	32.5618N	111.7042W	477	From 2006-03-20 to 2008-12-05
ELOY ALFARO	ELOY	Ecuador	0.3916S	80.0784W	140	From 2016-05-14
Elp	ENV	Netherlands	52.8953N	6.6338E	17	
El Pangue	ELP	Valparaiso,Chile	33.2576S	71.2050W	680	From 1973-01-01
El Paraiso, N6	TUN6	Nicaragua	12.5658N	86.5324W	107	
El Paraiso, SANL	SANLC	Colombia	4.4603N	75.3992W	2200	
El Paso	EPT	Texas,U.S.A.	31.7717N	106.5060W	1186	From 1961-02-01
El Paso	EP-TX	Texas,U.S.A.	31.9328N	105.9667W	1615	From 1962-01-15 to 1962-05-04
El Paso	EP-	Texas,U.S.A.	31.9328N	105.9667W	1615	From 1962-01-15 to 1962-05-04
El Paso, La Palma	CENR	Canary Islands	28.6257N	17.8460W	1210	From 2017-10-10
El Paso, La Palma	CMIR	Canary Islands	28.6975N	17.8621W	1295	From 2017-11-07
EL PAUJM	PAUV	Venezuela	10.1803N	67.2414W	1259	From 2004-07-15
El Pedregal	CO03	Coquimbo	30.8389S	70.6891W	1003	From 2014-02-11
El Pedroso, Sevilla	E019	Spain	37.7160N	5.8788W	125	From 2007-09-23 to 2009-06-16
Elp / Enerveen	ENV3	Netherlands	52.8944N	6.6337E	-133	From 2009-12-04
Elp / Enerveen	ENV1	Netherlands	52.8944N	6.6337E	-33	From 2009-12-04
Elp / Enerveen	ENV2	Netherlands	52.8944N	6.6337E	-83	From 2009-12-04
Elp / Enerveen	ENV4	Netherlands	52.8944N	6.6337E	-183	From 2009-12-04
El Pino	IIP	Mexico D.F.,Mexico	19.3469N	98.9180W	2650	
El Pital	PEIC	Colombia	4.8607N	75.7233W	2093	
El Prado	PRAV	Venezuela	9.2327N	70.8507W	662	
El Progreso, Chiriqui	PROG	Panama	8.4520N	82.8350W	26	From 2010-01-01
El Quisco	ELQ	Valparaiso,Chile	33.3953S	71.6889W	50	From 1973-01-01 to 1975-03-28
El Ranchito	RANC	El Salvador	13.4341N	88.2886W	1248	
El Recreo	RREF	Colombia	4.9010N	75.3470W	4743	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
El Retiro	RTR	El Salvador	13.8972N	89.6457W	1499	
El Rito	U23A	New Mexico,U.S.A.	36.3289N	106.1919W	2093	From 2008-05-21 to 2010-04-06
El Roble	ROCH	Santiago,Chile	32.9719S	71.0111W	2000	From 1981-12-04
El Roble	ROC1	Santiago,Chile	32.9759S	71.0156W	2191	
El Rosal	ROSC	Colombia	4.8400N	74.3200W	2987	From 1994-01-01
EL ROSAL, CUNDINAMARCA	CROSA	Colombia	4.8480N	74.3210W	2987	From 1994-07-08
El Rosal, ROS	EROSC	Colombia	4.8560N	74.3302W	3020	
El Salvador	ESC	Atacama,Chile	26.2300S	69.5100W	4700	
El Segundo	ESGS	California,U.S.A.	33.9163N	118.4200W	-100	From 1982-04-01
Elsinore Mountain	ELS	California,U.S.A.	33.6478N	117.4270W	853	
El Sosneado	COIS	Mendoza,Argentina	35.1080S	69.5937W	500	From 2012-01-01
EL TABLON	EC09	Ecuador	0.9577S	80.2224W	94	From 2016-05-15
El Tejon	TEJ	California,U.S.A.	35.2298N	118.6890W	634	
El Tigre	TGRV	Venezuela	8.8340N	64.1683W	293	From 1992-11-01
El Tocuyo	TOV	Venezuela	9.7925N	69.7926W	650	
Eltopia	ET2	Washington,U.S.A.	46.5350N	118.9500W	330	From 1989-04-05 to 2001-11-01
Eltopia	ET3	Washington,U.S.A.	46.5773N	118.9375W	286	From 1990-09-12
Eltopia	ETP	Washington,U.S.A.	46.4648N	119.0590W	219	From 1969-03-01
El Transito	AC05	Atacama,Chile	28.8364S	70.2738W	1287	From 2014-02-09
Eltsovka	ELT	Altayskiy Kray,Russia	53.2614N	86.2387E	235	From 1981-06-01
Eltsovka	ELT0	Altayskiy Kray,Russia	53.2559N	86.2745E	217	From 1962-07-05 to 1968-01-01
El Valle	G02S	Maule	34.1128S	71.8897W	250	
El Valle, Cocle	VTON	Panama	8.6110N	80.1130W	620	From 2010-01-01
El Vergel	GUA2	Colombia	4.4560N	75.6218W	2750	
Elvey	ELV	Alaska,U.S.A.	64.8603N	147.8490W	180	From 1971-08-01 to 1972-08-31
El Viejo	A495	Costa Rica	10.3925N	85.4560W	0	From 2000-01-01
El Vigia	VIG	Mexico	31.8552N	116.6345W	8	
El Vigia	EVV	Veracruz,Mexico	18.4565N	95.3493W		From 1988-01-01
El Vigia	VIGV	Venezuela	8.8400N	71.3642W	417	
El Volcan	VOLV	Venezuela	10.4200N	66.8498W	1480	
Elwoh	ELLE	Ethiopia	11.2579N	40.3784E	672	
Ely	EY-NV	Nevada,U.S.A.	39.4100N	115.3128W	2012	From 1963-04-21 to 1963-06-10
Ely	EY-	Nevada,U.S.A.	39.4100N	115.3128W	2012	From 1963-04-21 to 1963-06-10
Ely	EYMN	Minnesota,U.S.A.	47.9462N	91.4950W	475	From 1994-09-26
Ely	EY2NV	Nevada,U.S.A.	39.4314N	115.3178W	2012	From 1966-03-01 to 1966-03-12
Ely	EY2	Nevada,U.S.A.	39.4314N	115.3178W	2012	From 1966-03-01 to 1966-03-12
Ely	ELY	Nevada,U.S.A.	39.1313N	114.8920W	2011	
El Yeso	YECH	Santiago,Chile	33.6653S	70.0834W	2577	From 2006-04-21
Elyria	M51A	Ohio,U.S.A.	41.3321N	82.1831W	239	From 2012-08-29
El Yunque	EYP	Puerto Rico	18.3127N	65.7911W	1060	From 1975-07-30 to 1976-08-09
El Zacaton	ZAX	Baja California,Mexico	31.5137N	116.2730W	947	
Emae	EME	Vanuatu	17.0908S	168.3510E		
Emamgholi	IEMG	Iran	37.4155N	58.6522E	2565	From 1997-03-01
Embalse de El Pintado, Sevilla	E018	Spain	37.9803N	5.9548W	392	From 2007-09-16 to 2009-06-17
Embalse del Gaudalen, Jaen	E932	Spain	38.1496N	3.4708W	418	From 2009-02-12 to 2009-09-15
Embalse El Atance (Siguenza - Guadalajara)	ATANC	Spain	41.0752N	2.7847W	911	From 2017-08-08
Embarrass	C37A	Minnesota,U.S.A.	47.7283N	92.1853W	447	From 2010-09-17 to 2012-08-14
Embd, Mattertal	EMBD	Switzerland	46.2165N	7.8322E	1180	From 2009-10-29
Emecik-Datca	RFTC	Turkey	36.7782N	27.8163E	136	From 2017-07-28
Emei	LIOB	Taiwan region	24.6456N	121.0156E	330	From 2002-12-12
Emerald Bay	EMB	California,U.S.A.	38.9747N	120.1027W	2122	
Emergency Operations Center, State Capitol Campus, Salt Lake City, UT, USA	EOCU	Utah,U.S.A.	40.7770N	111.8891W	1356	From 2012-05-01
Emergency Operations Facility	EFD	California,U.S.A.	35.3205N	120.7250W	95	
Emiliano Zapata	CIHU	Jalisco	19.2648N	104.7352W	320	
Emma Park	EMUT	Utah,U.S.A.	39.8140N	110.8150W	2268	
Emmet	EMT	California,U.S.A.	36.6613N	121.0960W	488	From 1970-08-14
Emmet	BEMM	California,U.S.A.	36.6613N	121.0960W	488	From 1970-08-14
Emmethof	EMMET	Switzerland	47.4375N	8.0134E	700	From 2012-10-29
Emmingen-Liptingen DE	EMING	Germany	47.8928N	8.8425E	638	From 2013-04-29
Emosson	EMO	Switzerland	46.0482N	6.9620E	1800	From 1973-09-01 to 1980-12-31
Emosson-Mur	EMS	Switzerland	46.0700N	6.9310E	1800	From 1981-01-01 to 2002-01-02
Emosson Staumauer, Bunker	SEMOS	Switzerland	46.0678N	6.9352E	1950	From 2012-11-20
Empire Grade Rd	LT11	California,U.S.A.	37.0352N	122.1040W	442	From 1969-03-04 to 1976-04-30
Empire Grade Road	EGR	California,U.S.A.	37.0352N	122.1040W	442	From 1969-03-04 to 1976-04-30
Emporia	EM-	Kansas,U.S.A.	38.5247N	96.4728W	411	From 1965-09-14 to 1965-09-16
Emporia	EM-KA	Kansas,U.S.A.	38.5247N	96.4728W	411	From 1965-09-14 to 1965-09-16
Emporia	EMK	Kansas,U.S.A.	38.4465N	96.3172W	370	From 1977-08-15 to 2001-07-15
Emporia Municipal Airport, Emporia	R35A	Kansas,U.S.A.	38.3231N	96.1988W	365	From 2010-05-18 to 2012-03-15
Emporium	M56A	Pennsylvania,U.S.A.	41.4837N	78.1826W	493	From 2013-05-20
Enaux	ENAUX	Provence-Cote d'Azur	44.1096N	6.7761E	1336	From 2016-12-02
Encino	035A	Texas,U.S.A.	26.9379N	98.1023W	29	From 2010-01-12 to 2011-11-14
Enciso (La Rioja)	E1202	Spain	42.1581N	2.2589W	760	From 2019-02-19
Ende, Flores	EDFI	Flores,Indonesia	8.7497S	121.6903E	914	From 2008-12-01
Endenburg	ENDD	Baden-Wurttemberg,Germany	47.7140N	7.7370E	629	From 1984-12-01
Endilloe	EDO	South Australia,Australia	32.3217S	138.0483E	300	From 1977-01-01
Endulen Rd	ENDA	Tanzania,United Republic of Tanzania	3.3762S	35.3372E	1067	
Enez	ENEZ	Turkey	40.7362N	26.1530E	101	From 2006-06-21
Engrck	ENGR	Turkey	40.3985N	29.1387E	99	From 2005-11-18
Engaresero PS	LN26	Tanzania	2.6104S	35.8785E	659	From 2013-01-20 to 2014-12-06
Engaruka Boma	PR31	Tanzania	2.9190S	36.0476E	884	From 2013-01-21 to 2014-12-07
Engebretsen Ranch, Morrill	L25A	Nebraska,U.S.A.	42.1548N	103.9657W	1379	From 2008-11-22 to 2010-10-07
Engelberg, Kloster, OW	SENGL	Switzerland	46.8216N	8.4105E	1033	From 2018-07-03
Enggano, Bengkulu	EGSI	Sumatera,Indonesia	5.3526S	102.2767E	35	From 2008-12-01
Engidalur	IEDA	Iceland	64.0826N	21.3890W	264	From 2016-10-17
Engineer Hill	ENG	Alaska,U.S.A.	64.7352N	147.0460W	220	From 1971-09-07 to 1976-06-30
Engine Test Stand	ETS	Nevada,U.S.A.	36.8325N	116.3090W	1158	From 1965-01-01 to 1970-12-31
English Bluff	ENGB	British Columbia,Canada	49.0080N	123.0889W	55	
Engstlatt	ENGD	Baden-Wurttemberg,Germany	48.3125N	8.8729E	538	From 1982-01-01 to 2020-02-01
Engutoto Boma	PR33	Tanzania	2.8391S	36.1395E	1101	From 2013-01-23 to 2014-12-07
Enilchek, Kyrgyzstan	ENEL	Kyrgyzstan	42.1529N	79.4550E	2739	From 2008-09-22
Eniwetok	EW-IS	Marshall Islands	11.3972N	162.3753E	3	From 1963-06-28 to 1963-09-13
Eniwetok	EW-	Marshall Islands	11.3972N	162.3753E	3	From 1963-06-28 to 1963-09-13
Eniwo	JEW	Ishikari,Japan	42.8402N	141.4498E	185	From 1995-02-01
ENMS	ENMS	Saudi Arabia	19.0707N	42.5717E	1654	
Ennepetalsperre	ENTS	Nordrhein-Westfalen,Germany	51.2414N	7.4108E	300	From 2000-10-01
Ennis	136A	Texas,U.S.A.	32.4746N	96.5297W	113	From 2010-06-06 to 2012-01-19
Ens	RESF	Midi-Pyrenees,France	42.8077N	0.3385E	1270	From 1998-09-01
Ens	ENSF	Midi-Pyrenees,France	42.8047N	0.3356E	1300	
Ensenada	ENX	Baja California,Mexico	31.8835N	116.6626W	230	From 1981-08-03
Ensenada	ECX	Baja California,Mexico	31.8690N	116.6600W		
Enshi	ENH	Hubei,China	30.2718N	109.4870E	487	From 1986-01-01
Enta	IENT	Iceland	63.7010N	19.1823W	1355	From 2011-12-15
Entebbe	TEBE	Uganda	0.0553N	32.4700E	1175	
Entebbe	ENT	Uganda	0.0589N	32.4733E	1175	
Entiat	ETW	Washington,U.S.A.	47.6045N	120.3310W	1475	From 1986-10-01
Entracque	ENR	Italy	44.2267N	7.4203E	1040	From 1967-01-01
Entre Lagos	PUYE	Chile	40.6839S	72.6034W	209	
Entre ros, Cuyotenango	ERG	Guatemala	14.4393N	91.5690W	146	
Enukweni	ENUK	Malawi	11.1799S	33.8859E	3619	From 2014-07-12 to 2015-11-04
Enumclaw	D05A	Washington,U.S.A.	47.1881N	121.9888W	266	From 2005-11-21 to 2008-12-03
Enzan	ENZ	Yamanashi,Japan	35.7360N	138.8053E	807	
Enzkloesterle	A124A	Germany	48.6539N	8.4941E	841	From 2016-02-23
EOS1	EOS1	Taiwan region	24.5494N	122.1284E	-278	From 2011-09-22
EOS2	EOS2	Taiwan region	24.4189N	122.2319E	-945	From 2017-01-26
EOS3	EOS3	Taiwan region	24.2864N	122.3174E	-1114	From 2017-01-26
EOS4	EOS4	Taiwan region	24.1208N	122.3179E	-2732	From 2017-01-26
Eparoz	IEPA	Spain	42.7794N	1.2669W	769	From 2008-07-18
Epen	ENN	Netherlands	50.7672N	5.9233E	120	From 1981-01-01 to 1996-02-27
Ephrata	EPH	Washington,U.S.A.	47.3536N	119.5960W	628	From 1983-03-01
Ephrata	EPW	Washington,U.S.A.	47.3522N	119.5960W	628	From 1975-06-01
Epi	EPI	Vanuatu	16.6950S	168.1160E		
Epidavros	EPID	Greece	37.6144N	23.1189E	444	From 2010-10-08
EPN Laboratorio de Estructuras	EPNL	Ecuador	0.2120S	78.4917W	2822	From 2010-08-24
Equi	EQUI	Italy	44.1660N	10.1530E	350	From 2012-05-14
Erbaa	ERBA	Turkey	40.6814N	36.7547E	655	From 2008-03-24
ERCIS-VAN	ERCV	Turkey	39.0198N	43.3380E	1681	From 2011-10-28
Erciyes	ERCT	Turkey	38.6031N	35.5142E	1915	From 1993-08-28 to 1998-05-01
Erdek	ERD	Turkey	40.4000N	27.8000E		From 1970-01-01 to 1972-12-31
Erdemli	MEST	Turkey	36.5869N	34.1453E	855	From 2003-12-12

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Eremo	ERBM	Italy	44.4192N	10.4128E	919	
Erenkoy	EREN	Cyprus	35.5300N	34.1700E	88	
Eretria	EREA	Greece	38.4199N	23.9318E	475	From 2010-06-16
Eretria	ERET	Greece	38.4423N	23.8064E	810	From 2008-12-23
Erewhon	EWZ	South Island,New Zealand	43.5100S	170.8526E	650	From 1991-03-21 to 2001-07-03
Erian - IBB Gov. - Yemen	ERIN	Yemen	14.2300N	44.2300E	1600	From 1997-01-15 to 2005-10-22
Erice	ER1	Sicily,Italy	38.0376N	12.5873E	776	From 1978-02-01
Erice	ERC	Sicily,Italy	38.0376N	12.5873E	776	From 1978-02-01
Erie	ERPA	Pennsylvania,U.S.A.	42.1175N	79.9891W	306	From 2004-03-19
Erie	ERP	Pennsylvania,U.S.A.	42.1333N	79.9833W		
Erikli-Kesan	ERIK	Turkey	40.6708N	26.5132E	41	From 2008-07-02
Erimo	ERM	Hidaka,Japan	42.0150N	143.1571E	40	From 1976-07-01
Erimo	JEM	Hidaka,Japan	42.0158N	143.1573E	40	
Erithrai	VTH	Greece	38.2006N	23.3600E	756	From 1982-10-01
Erkin-Say	EKS	Kyrgyzstan	42.6680N	73.7860E	1180	
Erkin-Say	EKS2	Kyrgyzstan	42.6615N	73.7772E	1360	
Erlin	RLNB	Taiwan region	23.8911N	120.3594E	-60	From 2004-06-25
Ermenek	ERMK	Turkey	36.6416N	32.9128E	1855	From 2005-02-28
Ermioni, IDHR	IDHRE	Greece	37.3908N	23.2591E	35	
Ernestine	ERN	Alaska,U.S.A.	61.4442N	145.1120W	570	From 1971-09-16 to 1973-08-29
Ernies Place	ERPC	California,U.S.A.	32.7435N	115.6630W	-9	
Ernsthofen	A110A	Germany	49.7770N	8.7290E	0	From 2015-10-27
EROS Data Center, Sioux Falls	ECSD	South Dakota,U.S.A.	43.7337N	96.6141W	478	From 2006-05-17
Erpfingen	ERPF	Baden-Wurttemberg,Germany	48.3447N	9.1744E	846	From 2010-03-01
Err	ERR	Morocco	32.3800N	6.3230W		From 1995-12-16
Errachidia	ZFT	Morocco	32.0340N	4.3520W	1800	From 1993-01-01
Er Rumman	RUMJ	Jordan	32.1820N	35.8275E	445	From 1983-09-01
Erstfeld, Schule, UR	SEFS	Switzerland	46.8187N	8.6485E	470	From 2017-05-08
Erta Ale	ERTE	Ethiopia	13.4463N	40.4969E	-5	
Erto-Casso	ERT	Italy	46.2767N	12.3767E	775	From 1982-11-24 to 1988-01-01
Ertsjaerv	ERTU	Sweden	66.5541N	22.1895E	300	From 2004-04-17
Erunakovo, Kuzbass, Russia	ERU	Kemerovskaya Oblast'	54.1398N	87.3843E	354	From 2015-06-20
Erzin	ERNS	Tyva,Russia	50.2630N	95.1550E	1105	
Erzincan	ERZN	Turkey	39.5866N	39.7220E	1310	From 2008-10-15
Erzincan	EZC	Turkey	39.7520N	39.3533E	1500	From 1993-08-27
Erzincan	KRDT	Turkey	39.9167N	39.1183E	2810	From 1998-09-30 to 2003-08-14
Erzurum	ERZ	Turkey	39.9150N	41.2767E	1850	From 1966-08-06
Erzurum	EZM	Turkey	39.9053N	41.3623E	2400	
Erzurum	ERZT	Turkey	39.9067N	41.2533E	1955	
Erzurum	ERZM	Turkey	39.9053N	41.3658E	2380	From 1996-01-01
Erzurum,Aziziye	EMRE	Turkey	40.0302N	40.9762E	2066	From 2013-09-24
Erzurum-spir	KRIK	Turkey	40.3374N	40.9271E	2025	From 2013-03-18
Erzurum, Merkez	ATA5	Turkey	39.9046N	41.2448E	1860	From 2014-02-28
Erzurum, Palandoken	EJDE	Turkey	39.8337N	41.3035E	3151	From 2013-11-07
Erzurum-Palandoken-Deprem Arastirma Merkezi	EDAM	Turkey	39.8972N	41.2692E	1918	From 2017-02-21
Erzyncan	ERZC	Turkey	39.7242N	39.5258E	1170	From 1998-01-01 to 1998-09-29
Esa-ala	ESA	D'Entrecasteaux Islands,Papua New Guinea	9.7384S	150.8140E	46	From 1965-01-01
Esa-ala	ESB	D'Entrecasteaux Islands,Papua New Guinea	9.6867S	150.9030E	60	From 1974-01-01
Esan	ESH	O shima,Japan	41.8842N	141.0112E	40	From 1976-07-01
Esanatoglia	SNTG	Italy	43.2550N	12.9406E	625	
Escape Road	ESR	Hawaii,U.S.A.	19.4113N	155.2390W	1177	From 1971-09-01
ESCO Site	ESCO	Democratic Republic of the Congo	1.6340S	29.1590E	1480	
Escot	ESCF	Aquitaine,France	43.0785N	0.5747W	570	
Escuela Especializada en Ingeniera	ITCA	El Salvador	13.6735N	89.2782W	926	
Escuela Geologia	SJS	Costa Rica	9.9392N	84.0542W	1196	
EscuelaIngenieria	EDC*	Santiago,Chile	33.4592S	70.6678W		
Escuela - Rosario de la Frontera	AERF	Salta,Argentina	25.7975S	64.9716W	800	From 1995-09-22
Esen Bulak	EBM	Mongolia	46.3900N	96.2600E	2160	
Esenk¶ly	ESNK	Turkey	40.6276N	28.9751E	193	From 2005-09-30
Esenkoy-Cinarcik-Yalova	SBT5	Turkey	40.6311N	28.8803E	-368	From 2010-06-09
Esentepe	ESE	Turkey	40.7556N	30.3242E	197	From 1991-01-01
Eskdalemuir	ESK	Scotland,United Kingdom	55.3167N	3.2050W	263	From 1964-03-19
Eskdalemuir	EKG	Scotland,United Kingdom	55.3339N	3.1923W	356	From 2002-11-12
Eskdalemuir	EKB	Scotland,United Kingdom	55.3339N	3.1923W	307	
Eskdalemuir Array	EKA	Scotland,United Kingdom	55.3331N	3.1592W	263	From 1962-05-01
Eskdalemuir Array Site B1	EKB1	Scotland,United Kingdom	55.3093N	3.1770W	274	
Eskdalemuir Array Site B10	EKB10	Scotland,United Kingdom	55.3769N	3.1292W	328	
Eskdalemuir Array Site B2	EKB2	Scotland,United Kingdom	55.3168N	3.1717W	313	
Eskdalemuir Array Site B3	EKB3	Scotland,United Kingdom	55.3249N	3.1682W	306	
Eskdalemuir Array Site B4	EKB4	Scotland,United Kingdom	55.3317N	3.1612W	300	
Eskdalemuir Array Site B5	EKB5	Scotland,United Kingdom	55.3393N	3.1563W	313	
Eskdalemuir Array Site B6	EKB6	Scotland,United Kingdom	55.3466N	3.1506W	337	
Eskdalemuir Array Site B7	EKB7	Scotland,United Kingdom	55.3541N	3.1454W	435	
Eskdalemuir Array Site B8	EKB8	Scotland,United Kingdom	55.3618N	3.1397W	400	
Eskdalemuir Array Site B9	EKB9	Scotland,United Kingdom	55.3690N	3.1348W	395	
Eskdalemuir Array Site R1	EKR1	Scotland,United Kingdom	55.3374N	3.1786W	355	
Eskdalemuir Array Site R10	EKR10	Scotland,United Kingdom	55.3104N	3.0609W	382	
Eskdalemuir Array Site R2	EKR2	Scotland,United Kingdom	55.3344N	3.1656W	349	
Eskdalemuir Array Site R3	EKR3	Scotland,United Kingdom	55.3306N	3.1530W	319	
Eskdalemuir Array Site R4	EKR4	Scotland,United Kingdom	55.3284N	3.1394W	336	
Eskdalemuir Array Site R5	EKR5	Scotland,United Kingdom	55.3254N	3.1263W	306	
Eskdalemuir Array Site R6	EKR6	Scotland,United Kingdom	55.3224N	3.1132W	394	
Eskdalemuir Array Site R7	EKR7	Scotland,United Kingdom	55.3194N	3.1001W	348	
Eskdalemuir Array Site R8	EKR8	Scotland,United Kingdom	55.3163N	3.0868W	419	
Eskdalemuir Array Site R9	EKR9	Scotland,United Kingdom	55.3137N	3.0732W	431	
Eskilstuna	ESKU	Sweden	59.2311N	16.3938E	50	From 2002-01-19
Eskisehir	BORA	Turkey	39.8801N	30.4534E	960	From 2005-08-04
Eskisehir	ESKT	Turkey	39.5200N	30.8500E	1289	
Eskisehir, Seyitgazi-Dogancayir	SGAZ	Turkey	39.5293N	30.8387E	958	From 2014-11-24
Eskiyayla	EYL	Turkey	40.5658N	30.1250E	1160	From 1990-01-01
Eskypehyr	SEYT	Turkey	39.5200N	30.8500E	1172	From 1998-01-01
Esma-Masafi	MSFE	United Arab Emirates	25.3596N	56.1595E	524	
ESMERALDAS	EC01	Ecuador	0.9354N	79.6649W	64	From 2016-05-11
Esmerelda Mountain	ESMT	Montana	46.6566N	112.4426W	1741	From 2018-08-21
Espanola	ES-	Ontario,Canada	46.3189N	81.7928W	274	From 1962-11-12 to 1962-12-07
Espanola	ES-ON	Ontario,Canada	46.3189N	81.7928W	274	From 1962-11-12 to 1962-12-07
Espargos	SLES	Cape Verde Islands	16.7300N	22.9300W	67	From 2012-10-17
Esparros	PYF	Aquitaine,France	43.0308N	0.3400E	750	From 1977-07-07
Esparros	EPF	Aquitaine,France	43.0308N	0.3400E	750	From 1977-07-07
Esparza	ARZA	Costa Rica,Costa Rica	9.9910N	84.6680W	226	
Esparza	EPA	Costa Rica	9.9877N	84.5965W	310	From 1984-03-17
Espegrend	EGD	Norway	60.2712N	5.2257E	20	From 1991-03-01
Espenschied	ESP	Hessen,Germany	50.0992N	7.8932E	398	
Espenschied/Hessen	GWBD	Hessen	50.1140N	7.9020E	429	From 2013-08-12
Espera	ESPR	Spain	36.8686N	5.8562W	135	
Esperanza - Manati, PR	EMPR	Puerto Rico	18.4770N	66.5296W	9	From 2011-07-01
Espinillo Formosa - Argentina	ESFA	Parana	24.9575S	58.4883W	86	From 2016-12-09
Espira	FESP	Midi-Pyrenees,France	42.8199N	2.8222E	240	From 2008-10-01
Espiye-Giresun	ESPY	Turkey	40.9167N	38.7273E	430	From 2007-03-02
Espoo, Suvisaaristo	HEL5	Finland	60.1173N	24.7388E	5	From 2017-02-23
Espot	ESPO	Spain	42.5785N	1.1197E	1440	
Esquipulas	ESQI	Guatemala	14.5599N	89.3414W	960	
Esso	ES2	Kamchatskaya Oblast',Russia	55.9150N	158.6830E	65	
Esso	ESO	Kamchatskaya Oblast',Russia	55.9250N	158.7000E	490	
Estacion Bilbao	BIL2	Ecuador	1.4553S	78.5025W	2381	From 2007-08-22
Estacion Edusismo	QTOE	Ecuador	0.1722S	78.4889W	2777	From 2007-01-01
Estacion GRAS, Guanacaste	GRAS	Costa Rica	9.9432N	85.5773W	236	From 2000-01-01
Estacion GUIO Guanacaste	GUIO	Costa Rica	9.9167N	85.6500W	39	From 1999-12-08
Estacion Juarez	EJC	Chiapas,Mexico	17.6044N	93.1956W		
Estacion LALO Guanacaste	LALO	Costa Rica	9.9666N	85.6666W	56	From 2000-01-01
Estancia	EST	New Mexico,U.S.A.	34.8645N	105.7230W	2055	From 1976-06-01
Estanollee	X53A	Georgia,U.S.A.	34.5031N	83.3013W	240	From 2012-04-11
Esteban Cantu	ECNX	Baja California,Mexico	31.6570N	116.5978W	1040	
Esteli@15	ESTN	Nicaragua	13.1017N	86.3692W	862	
Estepa	ESTP	Spain	37.2713N	4.8662W	893	
Estepona	EXES	Spain	36.4230N	5.1520W	13	
Esterillos Oeste, ESO	CESO	Costa Rica	9.5265N	84.5083W	46	From 2002-04-11 to 2002-10-01
Esterri de Cardos	CEST	Spain	42.5987N	1.2541E	1325	From 2006-06-01
Estevan Point	ETB	British Columbia,Canada	49.3763N	126.5380W	1	

Station Name	*Code*	*Location*	*Geographical Co-ordinates*		*Altitude m*	*Remark*
E St Louis HE Ctr	STIL	Missouri,U.S.A.	38.6205N	90.1626W	131	
Estrela do Norte	MR7B	Goias	13.7742S	49.1223W	366	From 2016-03-01
Estrella	ETRA	Patagonia	45.1760S	73.3267W	10	From 2010-01-01
Estrella, SFX	SFX1	Baja California	30.8812N	114.7520W	43	
Estremoz	PESTR	Portugal	38.8672N	7.5902W	410	From 2006-07-01
Estrennes	ETNF	Lorraine	48.2600N	6.0400E	450	From 2016-06-01
Esutoru	ESU	Sakhalinskaya Oblast',Russia	49.0833N	142.0330E		
Eten	CHP7	Peru	6.9450S	79.8650W	200	
ETH01	ETH01	Saudi Arabia	26.4184N	40.1297E	1361	
ETH02	ETH02	Saudi Arabia	26.3390N	40.5110E	1086	
ETH03	ETH03	Saudi Arabia	26.4969N	40.8439E	1076	
ETH04	ETH04	Saudi Arabia	26.6724N	40.4281E	1044	
ETH05	ETH05	Saudi Arabia	26.8664N	40.1870E	1005	
ETH06	ETH06	Saudi Arabia	26.6537N	39.9195E	1132	
ETH07	ETH07	Saudi Arabia	26.3972N	39.7937E	1328	
ETH08	ETH08	Saudi Arabia	26.6455N	40.1723E	1164	
Ethiopia-Afar Geoscientific Lithospheric Experiment	AMME	Ethiopia	8.3031N	39.0934E	1670	
Ethiopia-Afar Geoscientific Lithospheric Experiment	BEDE	Ethiopia	8.9086N	40.7710E	1714	
Ethiopia-Afar Geoscientific Lithospheric Experiment	KOTE	Ethiopia	9.3875N	39.3961E	2872	
Ethiopia-Afar Geoscientific Lithospheric Experiment	INEE	Ethiopia	9.8954N	39.1431E	2686	
Ethiopia-Afar Geoscientific Lithospheric Experiment	WOLE	Ethiopia	8.5339N	37.9822E	2058	
Ethiopia-Afar Geoscientific Lithospheric Experiment	CHAE	Ethiopia	9.3118N	38.7624E	2646	
Ethiopia-Afar Geoscientific Lithospheric Experiment	LEME	Ethiopia	8.6115N	38.6095E	2108	
Ethiopia-Afar Geoscientific Lithospheric Experiment	MECE	Ethiopia	8.5938N	40.3241E	1775	
Ethiopia-Afar Geoscientific Lithospheric Experiment	ADUE	Ethiopia	8.5404N	38.9019E	1750	
Ethiopia-Afar Geoscientific Lithospheric Experiment	MEKE	Ethiopia	8.1623N	38.8330E	1897	
Ethiopia-Afar Geoscientific Lithospheric Experiment	MELE	Ethiopia	9.3106N	40.2008E	762	
Ethiopia-Afar Geoscientific Lithospheric Experiment	GTFE	Ethiopia	9.0034N	39.8376E	1036	
Ethiopia-Afar Geoscientific Lithospheric Experiment	AWAE	Ethiopia	8.9895N	40.1659E	956	
Ethiopia-Afar Geoscientific Lithospheric Experiment	ASEE	Ethiopia	7.9729N	39.1317E	2333	
Ethiopia-Afar Geoscientific Lithospheric Experiment	ANKE	Ethiopia	9.5927N	39.7339E	2981	
Ethiopia-Afar Geoscientific Lithospheric Experiment	ADEE	Ethiopia	7.7909N	39.9068E	2485	
Ethiopia-Afar Geoscientific Lithospheric Experiment	DZEE	Ethiopia	8.7803N	38.9959E	1907	
Ethiopia-Afar Geoscientific Lithospheric Experiment	MIEE	Ethiopia	9.2416N	40.7581E	1349	
Ethiopia-Afar Geoscientific Lithospheric Experiment	DONE	Ethiopia	8.5090N	39.5504E	1312	
Ethiopia-Afar Geoscientific Lithospheric Experiment	SENE	Ethiopia	9.1466N	39.0166E	2560	
Ethiopia-Afar Geoscientific Lithospheric Experiment	SHEE	Ethiopia	9.9996N	39.8946E	1298	
Ethiopia-Afar Geoscientific Lithospheric Experiment	DIKE	Ethiopia	8.0627N	39.5566E	2754	
Ethiopia-Afar Geoscientific Lithospheric Experiment	NURE	Ethiopia	8.7012N	39.7955E	1182	
Ethiopia-Afar Geoscientific Lithospheric Experiment	BORE	Ethiopia	8.7459N	39.5540E	1253	
Ethiopia-Afar Geoscientific Lithospheric Experiment	AREEX	Ethiopia	8.9385N	39.4188E	1826	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1001	Ethiopia	9.9845N	38.2801E	2524	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1004	Ethiopia	9.9600N	38.2973E	2553	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1008	Ethiopia	9.9318N	38.3222E	2544	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1011	Ethiopia	9.9106N	38.3419E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1012	Ethiopia	9.9029N	38.3471E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1014	Ethiopia	9.8891N	38.3613E	2553	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1016	Ethiopia	9.8712N	38.3704E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1017	Ethiopia	9.8633N	38.3757E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1018	Ethiopia	9.8552N	38.3819E	2583	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1019	Ethiopia	9.8456N	38.3791E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1020	Ethiopia	9.8365N	38.3820E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1021	Ethiopia	9.8293N	38.3897E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1022	Ethiopia	9.8235N	38.3987E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1023	Ethiopia	9.8152N	38.4045E	2564	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1024	Ethiopia	9.8103N	38.4071E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1026	Ethiopia	9.8005N	38.4165E	2573	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1027	Ethiopia	9.7940N	38.4319E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1028	Ethiopia	9.7870N	38.4380E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1030	Ethiopia	9.7773N	38.4588E	2588	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1037	Ethiopia	9.7380N	38.5142E	2673	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1042	Ethiopia	9.6897N	38.5300E	2557	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1046	Ethiopia	9.6577N	38.5177E	2477	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1054	Ethiopia	9.6150N	38.5853E	2668	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1058	Ethiopia	9.5805N	38.5966E	2554	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1062	Ethiopia	9.5487N	38.5824E	2449	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1069	Ethiopia	9.4889N	38.5840E	1505	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1077	Ethiopia	9.4399N	38.6462E	2384	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1078	Ethiopia	9.4311N	38.6523E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1079	Ethiopia	9.4208N	38.6553E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1081	Ethiopia	9.3990N	38.6631E	2426	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1085	Ethiopia	9.3667N	38.6711E	2484	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1089	Ethiopia	9.3391N	38.6930E	2601	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1094	Ethiopia	9.3062N	38.7293E	2577	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1097	Ethiopia	9.3025N	38.7516E	2613	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1101	Ethiopia	9.2831N	38.7820E	2717	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1105	Ethiopia	9.2595N	38.8064E	2889	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1110	Ethiopia	9.2552N	38.8513E	3262	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1112	Ethiopia	9.2176N	38.8727E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1118	Ethiopia	9.1989N	38.9238E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1120	Ethiopia	9.1814N	38.9275E	2644	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1121	Ethiopia	9.1743N	38.9325E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1122	Ethiopia	9.1662N	38.9374E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1123	Ethiopia	9.1603N	38.9452E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1124	Ethiopia	9.1536N	38.9528E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1125	Ethiopia	9.1478N	38.9611E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1126	Ethiopia	9.1357N	38.9622E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1130	Ethiopia	9.1116N	38.9875E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1131	Ethiopia	9.1282N	38.9986E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1132	Ethiopia	9.1313N	39.0029E	2538	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1138	Ethiopia	9.1189N	39.0490E	2522	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1141	Ethiopia	9.0946N	39.0664E	2530	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1146	Ethiopia	9.0560N	39.0930E	2525	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1151	Ethiopia	9.0196N	39.1200E	2484	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1155	Ethiopia	8.9825N	39.1244E	2403	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1157	Ethiopia	8.9679N	39.1301E	2347	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1158	Ethiopia	8.9697N	39.1386E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1163	Ethiopia	8.9301N	39.1470E	2308	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1171	Ethiopia	8.9084N	39.2359E	2355	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1172	Ethiopia	8.9010N	39.2419E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1176	Ethiopia	8.8738N	39.2631E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1177	Ethiopia	8.8637N	39.2567E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1178	Ethiopia	8.8539N	39.2494E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1179	Ethiopia	8.8447N	39.2442E	2414	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1180	Ethiopia	8.8353N	39.2471E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1181	Ethiopia	8.8282N	39.2529E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1182	Ethiopia	8.8183N	39.2546E	2376	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1183	Ethiopia	8.8107N	39.2600E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1186	Ethiopia	8.7879N	39.2743E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1188	Ethiopia	8.7696N	39.2749E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1190	Ethiopia	8.7544N	39.2798E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1191	Ethiopia	8.7499N	39.2884E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1195	Ethiopia	8.7259N	39.3352E	1746	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1196	Ethiopia	8.7158N	39.3380E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1197	Ethiopia	8.7087N	39.3427E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1199	Ethiopia	8.7053N	39.3603E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1201	Ethiopia	8.7112N	39.3783E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1204	Ethiopia	8.6983N	39.4005E	1535	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1209	Ethiopia	8.6562N	39.4280E	1460	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1213	Ethiopia	8.6210N	39.4402E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1215	Ethiopia	8.6142N	39.4545E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1216	Ethiopia	8.6058N	39.4518E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1217	Ethiopia	8.5958N	39.4545E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1219	Ethiopia	8.5801N	39.4548E	1870	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1226	Ethiopia	8.5289N	39.4794E	1817	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1230	Ethiopia	8.4971N	39.4660E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1231	Ethiopia	8.4882N	39.4628E	1478	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1232	Ethiopia	8.4786N	39.4597E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1233	Ethiopia	8.4683N	39.4636E		

Station Name	*Code*	*Location*	*Geographical Co-ordinates*		*Altitude m*	*Remark*
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1235	Ethiopia	8.4731N	39.4822E	1449	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1238	Ethiopia	8.4819N	39.5073E	1407	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1242	Ethiopia	8.4961N	39.5398E	1303	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1246	Ethiopia	8.5038N	39.5703E	1266	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1252	Ethiopia	8.4572N	39.5926E	1323	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1258	Ethiopia	8.4177N	39.6326E	1803	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1262	Ethiopia	8.3894N	39.6572E	2086	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1266	Ethiopia	8.3633N	39.6719E	2170	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1270	Ethiopia	8.3269N	39.6711E	2590	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1274	Ethiopia	8.2853N	39.6596E	2606	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1278	Ethiopia	8.2712N	39.6898E	2646	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1281	Ethiopia	8.2488N	39.6946E	2707	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1285	Ethiopia	8.2122N	39.6980E	2686	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1289	Ethiopia	8.1799N	39.7123E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1290	Ethiopia	8.1775N	39.7186E	2686	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1296	Ethiopia	8.1272N	39.7164E	2615	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1301	Ethiopia	8.0962N	39.6904E	2602	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1303	Ethiopia	8.0741N	39.6860E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1308	Ethiopia	8.0316N	39.6884E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1310	Ethiopia	8.0160N	39.6868E	2531	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1311	Ethiopia	8.0067N	39.6849E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1313	Ethiopia	7.9882N	39.6861E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1315	Ethiopia	7.9763N	39.6889E	2478	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1318	Ethiopia	7.9790N	39.7160E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1319	Ethiopia	7.9734N	39.7244E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1320	Ethiopia	7.9671N	39.7338E	2471	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1321	Ethiopia	7.9563N	39.7394E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1322	Ethiopia	7.9471N	39.7438E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1324	Ethiopia	7.9340N	39.7520E	2476	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1327	Ethiopia	7.9115N	39.7699E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1328	Ethiopia	7.9049N	39.7769E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1329	Ethiopia	7.9015N	39.7844E	2477	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1330	Ethiopia	7.8917N	39.7894E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1331	Ethiopia	7.8840N	39.7944E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1333	Ethiopia	7.8732N	39.8074E	2464	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1334	Ethiopia	7.8654N	39.8120E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1337	Ethiopia	7.8508N	39.8356E	2489	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1340	Ethiopia	7.8338N	39.8570E	2479	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1341	Ethiopia	7.8277N	39.8648E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1344	Ethiopia	7.8059N	39.8842E	2473	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1345	Ethiopia	7.7984N	39.8896E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1346	Ethiopia	7.7950N	39.8979E	2472	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1349	Ethiopia	7.7822N	39.9192E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1351	Ethiopia	7.7810N	39.9368E	2462	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1352	Ethiopia	7.7768N	39.9455E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1353	Ethiopia	7.7724N	39.9544E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1354	Ethiopia	7.7659N	39.9611E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1356	Ethiopia	7.7539N	39.9743E	2450	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1357	Ethiopia	7.7457N	39.9814E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1358	Ethiopia	7.7360N	39.9921E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1360	Ethiopia	7.7259N	40.0091E	2457	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1365	Ethiopia	7.7272N	40.0575E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1366	Ethiopia	7.7252N	40.0676E	2483	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1370	Ethiopia	7.7060N	40.1015E	2485	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1373	Ethiopia	7.7068N	40.1353E	2489	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1377	Ethiopia	7.6889N	40.1664E	2497	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1381	Ethiopia	7.6726N	40.2010E	2496	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1384	Ethiopia	7.3815N	40.0146E	2341	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1385	Ethiopia	7.3812N	40.0223E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1387	Ethiopia	7.3837N	40.0420E	2379	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1391	Ethiopia	7.3861N	40.0815E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1394	Ethiopia	7.3886N	40.1083E	2379	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1396	Ethiopia	7.3868N	40.1252E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1400	Ethiopia	7.3826N	40.1661E	2382	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1403	Ethiopia	7.3718N	40.1924E	2387	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1407	Ethiopia	7.3791N	40.2298E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1411	Ethiopia	7.3579N	40.2559E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1413	Ethiopia	7.3406N	40.2609E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1415	Ethiopia	7.3232N	40.2640E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1416	Ethiopia	7.3163N	40.2653E	2412	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1435	Ethiopia	7.2252N	40.4086E	2312	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1437	Ethiopia	7.2309N	40.4216E	2272	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E1443	Ethiopia	7.2592N	40.4743E	2214	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E2214	Ethiopia	8.4083N	39.3809E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E2215	Ethiopia	8.4160N	39.3863E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E2218	Ethiopia	8.4352N	39.4053E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E2220	Ethiopia	8.4437N	39.4265E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E2221	Ethiopia	8.4473N	39.4356E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E2222	Ethiopia	8.4537N	39.4412E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E2223	Ethiopia	8.4608N	39.4459E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E2242	Ethiopia	8.5310N	39.6357E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E2255	Ethiopia	8.6169N	39.7147E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E2256	Ethiopia	8.6251N	39.7220E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E2270	Ethiopia	8.7126N	39.8146E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E2282	Ethiopia	8.8415N	39.8276E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E2284	Ethiopia	8.8622N	39.8311E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E2285	Ethiopia	8.8699N	39.8348E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E2286	Ethiopia	8.8787N	39.8395E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E2288	Ethiopia	8.9004N	39.8422E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E2291	Ethiopia	8.9347N	39.8425E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E2292	Ethiopia	8.9461N	39.8405E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E2293	Ethiopia	8.9596N	39.8395E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E2294	Ethiopia	8.9728N	39.8376E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E2295	Ethiopia	8.9853N	39.8359E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E2296	Ethiopia	8.9960N	39.8369E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E2297	Ethiopia	9.0052N	39.8390E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E2301	Ethiopia	9.0341N	39.8624E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E2303	Ethiopia	9.0501N	39.8705E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E2304	Ethiopia	9.0585N	39.8753E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E2313	Ethiopia	9.1140N	39.9360E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E2314	Ethiopia	9.1211N	39.9424E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E2315	Ethiopia	9.1289N	39.9478E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E2316	Ethiopia	9.1375N	39.9502E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E2317	Ethiopia	9.1381N	39.9654E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E2318	Ethiopia	9.1464N	39.9666E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E2319	Ethiopia	9.1446N	39.9852E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E2320	Ethiopia	9.1551N	39.9874E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E2321	Ethiopia	9.1587N	39.9998E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E2335	Ethiopia	9.1995N	40.1527E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E2336	Ethiopia	9.2059N	40.1590E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E2337	Ethiopia	9.2110N	40.1661E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E2338	Ethiopia	9.2158N	40.1727E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E2339	Ethiopia	9.2217N	40.1813E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E2340	Ethiopia	9.2270N	40.1886E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E2341	Ethiopia	9.2348N	40.1937E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E2342	Ethiopia	9.2387N	40.1963E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E2345	Ethiopia	9.2620N	40.2143E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E2346	Ethiopia	9.2684N	40.2197E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E2347	Ethiopia	9.2768N	40.2265E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E2348	Ethiopia	9.2827N	40.2337E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E2349	Ethiopia	9.2890N	40.2412E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E2350	Ethiopia	9.2950N	40.2483E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E2351	Ethiopia	9.3014N	40.2521E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E2352	Ethiopia	9.3122N	40.2588E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E2353	Ethiopia	9.3169N	40.2633E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E2354	Ethiopia	9.3258N	40.2688E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E2355	Ethiopia	9.3298N	40.2777E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E2356	Ethiopia	9.3327N	40.2851E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E2357	Ethiopia	9.3402N	40.2908E		

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Ethiopia-Afar Geoscientific Lithospheric Experiment	E2358	Ethiopia	9.3467N	40.2940E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E2359	Ethiopia	9.3543N	40.3025E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E2360	Ethiopia	9.3628N	40.3056E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E2362	Ethiopia	9.3829N	40.3114E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E2363	Ethiopia	9.3912N	40.3164E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E2364	Ethiopia	9.3989N	40.3234E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E2365	Ethiopia	9.4024N	40.3303E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E2366	Ethiopia	9.4072N	40.3388E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E2369	Ethiopia	9.4272N	40.3604E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E2371	Ethiopia	9.4410N	40.3689E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E2388	Ethiopia	9.6070N	40.4093E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E2396	Ethiopia	9.6749N	40.4409E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E2425	Ethiopia	9.9548N	40.5346E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E2428	Ethiopia	9.9843N	40.5433E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E2430	Ethiopia	9.9993N	40.5563E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E2431	Ethiopia	10.0065N	40.5679E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E2432	Ethiopia	10.0131N	40.5799E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E2433	Ethiopia	10.0215N	40.5871E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E2434	Ethiopia	10.0295N	40.5973E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E2437	Ethiopia	10.0558N	40.6225E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E2441	Ethiopia	10.0942N	40.6377E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E2449	Ethiopia	10.1850N	40.6458E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E2451	Ethiopia	10.2116N	40.6401E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E31	Ethiopia	8.7774N	39.8644E	1009	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E3105	Ethiopia	8.7062N	39.1952E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E3107	Ethiopia	8.7400N	39.2184E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E3110	Ethiopia	8.8089N	39.2790E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E3114	Ethiopia	8.8937N	39.2718E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E3116	Ethiopia	8.8349N	39.3179E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E3120	Ethiopia	8.9217N	39.3612E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E32	Ethiopia	8.8473N	40.0089E	970	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E3205	Ethiopia	8.5746N	39.2167E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E3207	Ethiopia	8.6364N	39.2331E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E3209	Ethiopia	8.6872N	39.2605E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E3212	Ethiopia	8.7816N	39.2994E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E3213	Ethiopia	8.7827N	39.3278E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E3214	Ethiopia	8.8009N	39.3395E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E3218	Ethiopia	8.8719N	39.3942E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E3221	Ethiopia	8.9198N	39.3957E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E3224	Ethiopia	8.9690N	39.4533E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E3225	Ethiopia	8.9828N	39.4685E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E3228	Ethiopia	9.0271N	39.5334E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E33	Ethiopia	8.9255N	39.9290E	979	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E3300	Ethiopia	8.3064N	39.1021E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E3303	Ethiopia	8.2723N	39.1603E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E3304	Ethiopia	8.2542N	39.1722E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E3323	Ethiopia	8.2696N	39.6172E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E34	Ethiopia	7.2143N	38.5989E	1934	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E3404	Ethiopia	8.4369N	39.3198E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E3414	Ethiopia	8.1818N	39.2427E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E35	Ethiopia	9.1336N	40.1681E	846	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E3518	Ethiopia	8.7897N	39.5794E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E3520	Ethiopia	8.8460N	39.6028E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E3521	Ethiopia	8.8670N	39.6103E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E3523	Ethiopia	8.9172N	39.6368E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E3524	Ethiopia	8.9302N	39.6506E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E3525	Ethiopia	8.9445N	39.6694E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E3527	Ethiopia	8.9498N	39.6902E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E3528	Ethiopia	8.9535N	39.7111E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E3529	Ethiopia	8.9553N	39.7217E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E36	Ethiopia	9.1075N	40.0136E	771	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E3603	Ethiopia	8.6983N	39.5336E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E3604	Ethiopia	8.7097N	39.5491E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E3605	Ethiopia	8.7284N	39.5622E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E3606	Ethiopia	8.7370N	39.5753E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E3609	Ethiopia	8.7730N	39.6214E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E3621	Ethiopia	8.7952N	39.5950E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E37	Ethiopia	8.1744N	38.6964E	1799	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E3701	Ethiopia	8.7519N	39.6672E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E3702	Ethiopia	8.7305N	39.6766E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E3704	Ethiopia	8.6967N	39.7088E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E3706	Ethiopia	8.6668N	39.7481E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E3713	Ethiopia	8.6022N	39.7792E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E3714	Ethiopia	8.5848N	39.7906E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E3715	Ethiopia	8.5690N	39.8019E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E3726	Ethiopia	8.4714N	39.8093E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E3729	Ethiopia	8.4320N	39.7420E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E3730	Ethiopia	8.4161N	39.7241E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E3738	Ethiopia	8.4074N	39.5713E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E3742	Ethiopia	8.5588N	39.5887E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E3743	Ethiopia	8.5774N	39.5989E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E39	Ethiopia	9.2415N	40.1334E	770	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E40	Ethiopia	9.3616N	40.2172E	743	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E41	Ethiopia	8.0096N	38.5325E	1905	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E42	Ethiopia	8.8790N	40.0961E	1057	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E43	Ethiopia	9.2549N	39.5022E	3294	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E44	Ethiopia	9.6722N	39.5249E	2831	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E45	Ethiopia	7.7881N	38.7948E	1932	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E46	Ethiopia	8.7090N	39.6909E	1242	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E47	Ethiopia	8.4649N	39.4532E	1448	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E48	Ethiopia	7.6239N	38.9907E	2613	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E49	Ethiopia	8.3144N	39.3212E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E50	Ethiopia	8.2739N	39.4958E	2074	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E51	Ethiopia	8.1485N	39.3478E	2080	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E52	Ethiopia	8.1380N	39.2405E	2200	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E53	Ethiopia	8.0433N	39.0114E	1704	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E54	Ethiopia	8.1182N	39.1385E	2084	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E55	Ethiopia	8.2950N	38.9492E	1683	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E56	Ethiopia	8.4622N	39.0637E	1637	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E57	Ethiopia	8.5848N	39.1320E	1823	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E58	Ethiopia	8.6909N	39.1826E	2057	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E59	Ethiopia	8.7059N	39.3516E	1680	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E60	Ethiopia	8.6215N	39.4488E	1626	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E61	Ethiopia	8.8974N	39.6229E	1155	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E63	Ethiopia	8.2600N	39.2359E	1781	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E64	Ethiopia	8.5680N	39.2907E	1753	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E66	Ethiopia	9.0326N	39.5300E	1720	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E67	Ethiopia	8.3844N	39.6810E	2144	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E68	Ethiopia	8.7821N	39.2628E	2290	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E69	Ethiopia	7.9296N	38.7216E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E70	Ethiopia	8.8823N	39.1544E	2227	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E71	Ethiopia	8.6935N	38.8955E	1980	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E72	Ethiopia	8.4871N	39.8329E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E73	Ethiopia	7.7375N	39.0262E	2496	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E74	Ethiopia	8.3564N	38.8456E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E75	Ethiopia	7.9141N	38.9512E	1745	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E76	Ethiopia	7.7245N	38.6537E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E77	Ethiopia	7.8643N	38.7914E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E78	Ethiopia	8.5931N	39.6977E	1220	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E79	Ethiopia	7.6294N	38.7056E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E80	Ethiopia	8.4781N	39.3106E	1655	
Ethiopia-Afar Geoscientific Lithospheric Experiment	E82	Ethiopia	8.8459N	40.0096E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E83	Ethiopia	7.8019N	38.7919E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E84	Ethiopia	8.6983N	39.4005E		
Ethiopia-Afar Geoscientific Lithospheric Experiment	E85	Ethiopia	8.4572N	39.5926E		
Ethiopia-Afar Geoscientific Lithospheric Experiment, Gewane	GEWE	Ethiopia	10.0045N	40.5739E	572	
Ethiopian Broadband Seismic Experiment	JIMA	Ethiopia	7.6840N	36.8310E	1664	
Ethiopian Broadband Seismic Experiment	DIYAX	Ethiopia	11.8343N	39.5956E	1922	
Ethiopian Broadband Seismic Experiment	BELAX	Ethiopia	6.9286N	38.4702E	1916	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Ethiopian Broadband Seismic Experiment	DMRK	Ethiopia	10.3080N	37.7290E	2357	
Ethiopian Broadband Seismic Experiment	GOBAX	Ethiopia	7.0270N	39.9820E	2732	
Ethiopian Broadband Seismic Experiment	DELE	Ethiopia	8.4393N	36.3259E	1969	
Ethiopian Broadband Seismic Experiment	CHEF	Ethiopia	6.1613N	38.2101E	1701	
Ethiopian Broadband Seismic Experiment	HOSA	Ethiopia	7.5640N	37.8573E	2306	
Ethiopian Broadband Seismic Experiment	HIRN	Ethiopia	9.2224N	41.1059E	1816	
Ethiopian Broadband Seismic Experiment	BDAR	Ethiopia	9.6721N	39.5254E	2802	
Ethiopian Broadband Seismic Experiment	BAHI	Ethiopia	11.5743N	37.3934E	1793	
Ethiopian Broadband Seismic Experiment	ARBA	Ethiopia	6.0672N	37.5564E	1273	
Ethiopian Broadband Seismic Experiment	BUTA	Ethiopia	8.1171N	38.3824E	2083	
Ethiopian Broadband Seismic Experiment	NAZA	Ethiopia	8.5680N	39.2907E	1729	
Ethiopian Broadband Seismic Experiment	TEND	Ethiopia	11.7925N	41.0043E	419	
Ethiopian Broadband Seismic Experiment	BIRH	Ethiopia	9.6723N	39.5253E	2805	
Ethiopian Broadband Seismic Experiment	HERO	Ethiopia	7.0263N	39.2769E	2374	
Ethiopian Broadband Seismic Experiment	GUDE	Ethiopia	8.9665N	37.7652E	2018	
Ethiopian Broadband Seismic Experiment	FICH	Ethiopia	9.7822N	38.7372E	2825	
Ethiopian Broadband Seismic Experiment	TERC	Ethiopia	7.1446N	37.1747E	1390	
Ethiopian Broadband Seismic Experiment	KARAX	Ethiopia	10.4224N	39.9348E	1753	
Ethiopian Broadband Seismic Experiment	NEKE	Ethiopia	9.0890N	36.5237E	2095	From 2014-03-18 to 2017-12-01
Ethiopian Broadband Seismic Experiment	WANE	Ethiopia	10.1694N	40.6491E	606	
Ethiopian Broadband Seismic Experiment	WASH	Ethiopia	8.9895N	40.1659E	917	
Ethiopian Broadband Seismic Experiment	WELK	Ethiopia	8.2946N	37.7818E	1896	
Ethiopia, WND	AWND	Ethiopia	7.0400N	38.3700E	1707	
Ethyl Lake Duckett	ELD	Alberta,Canada	54.5358N	110.3320W	564	From 1978-12-01
Etivluk River	D20K	Alaska,U.S.A.	68.7132N	156.6132W	577	From 2017-08-18
Etna Belvedere	EBEL	Sicily,Italy	37.7408N	15.0091E	2808	From 2004-09-14
Etna Monte Conca	EMCN	Italy	37.7912N	15.0335E	1911	From 2008-05-15
Etna Monte Frumento Supino	EMFS	Italy	37.7196N	14.9979E	2545	From 2004-07-20
Etowah	ETT	Tennessee,U.S.A.	35.3260N	84.4550W	588	From 1981-11-25
Etsaut	ETSF	Aquitaine,France	42.8986N	0.5592W	910	From 1996-04-03
Eucalyptus Rd Berkeley	C028	California,U.S.A.	37.8509N	122.2459W	104	From 2009-09-29
Euchungdo	ECDB	Republic of Korea	36.1184N	125.9797E	53	From 2015-10-01
Eue Claire	L46A	Michigan,U.S.A.	42.0127N	86.2955W	223	From 2012-09-08
Eugene	I03A	Oregon,U.S.A.	43.9726N	123.2777W	205	From 2005-11-18 to 2008-01-20
Eugene	EUO	Oregon,U.S.A.	44.0294N	123.0689W	160	
Eugowra	EUGM	New South Wales,Australia	33.4182S	148.3418E	290	
Eumseong	EMSB	Republic of Korea	36.9737N	127.6236E	207	From 2011-12-20
Eureka	EUR	Nevada,U.S.A.	39.4833N	115.9700W	2178	From 1958-05-01
Eureka	EUNU	Nunavut,Canada	80.0533N	86.4158W	628	
Eureka	P10A	Nevada,U.S.A.	39.6202N	116.4639W	1874	From 2006-06-07 to 2008-09-08
Eureka	EK-NV	Nevada,U.S.A.	39.2089N	115.7103W	1951	From 1963-11-11 to 1964-11-02
Eureka	F29A	South Dakota,U.S.A.	45.8336N	99.8273W	575	From 2009-08-21 to 2011-08-26
Eureka	EUW	Washington,U.S.A.	46.3958N	118.5620W	367	From 1975-06-01
Eureka Canyon	LT12	California,U.S.A.	37.0505N	121.8104W	399	From 1969-05-28 to 2011-07-26
Eureka Canyon	JECM	California,U.S.A.	37.0505N	121.8104W	399	From 1969-05-28 to 2011-07-26
Eureka Canyon	JECB	California,U.S.A.	37.0492N	121.8072W	365	
Eureka Canyon	EUC	California,U.S.A.	37.0505N	121.8104W	399	From 1969-05-28 to 2011-07-26
Eureka (L)	EK-	Nevada,U.S.A.	39.2089N	115.7103W	1951	From 1963-11-11 to 1964-11-02
Eureka Mesa	EUM	New Mexico,U.S.A.	36.0131N	106.8440W	2914	From 1976-01-13
Eureka Ridge	ERI	Idaho,U.S.A.	46.5347N	116.2750W	862	From 1971-10-01 to 1974-07-26
Eutaw	EU2AL	Alabama,U.S.A.	32.7964N	87.8847W	43	From 1966-11-12 to 1967-01-16
Eutaw	EU-AL	Alabama,U.S.A.	32.7792N	87.8739W	43	From 1963-07-02 to 1964-10-22
Eutaw	EU2	Alabama,U.S.A.	32.7964N	87.8847W	43	From 1966-11-12 to 1967-01-16
Eutaw	EU-	Alabama,U.S.A.	32.7792N	87.8739W	43	From 1963-07-02 to 1964-10-22
Evander	EVA	Transvaal,South Africa	26.5055S	29.0770E	1621	From 1981-01-01 to 1999-01-31
Evansville	F48A	Ontario,Canada	45.8278N	82.6185W	203	From 2012-11-13
Evansville	EVIN	U.S.A.	37.9716N	87.5297W	140	
Evensk	EVES	Magadanskaya Oblast',Russia	61.9210N	159.2310E	22	From 1980-06-01 to 1993-07-01
Evensk	EVNR	Magadanskaya Oblast',Russia	61.9240N	159.2670E	75	From 2006-05-05
Evensk	EVEN	Magadanskaya Oblast',Russia	61.9140N	159.2290E	17	From 2008-11-23
Everest	EVN	Nepal	27.9568N	86.8167E	5037	
Everett College ANSS-SMO	EVCC	Washington,U.S.A.	48.0073N	122.2055W	30	From 2001-08-28
Everett Gateway Middle School ANSS-SMO	EVGW	Washington,U.S.A.	47.8542N	122.1546W	122	From 2001-07-01
Everett, N17	NCR17	Colorado	39.0709N	106.4768W	3048	
Everglades	EVE	Florida,U.S.A.	25.3873N	80.6828W	1	
Evergreen College	EGRN	Washington,U.S.A.	47.0733N	122.9781W	57	
Evergreen Court Danville	C029	California,U.S.A.	37.7888N	121.9712W	129	From 2009-09-30
Evora	NE27	Portugal	38.5320N	8.0130W		
Evora	EVO	Portugal	38.5320N	8.0130W	235	
Evrytania	EVR	Greece	38.9167N	21.8087E	1050	
E Wide Canyon 2	EW2	California,U.S.A.	33.9406N	116.4084W	639	
Ewing Young ES, Newberg ANSS-SMO	EYES	Oregon,U.S.A.	45.3294N	123.0577W	61	From 2002-09-01
Excelsior	EXC	Nevada,U.S.A.	38.3385N	118.3242W	1823	
Exmoor	HEX	England,United Kingdom	51.0668N	3.8025W	278	From 1991-01-01
Exogi	EXG	Greece	38.4609N	20.6327E	331	From 2010-06-09
Experimental Lakes	EPLO	Ontario,Canada	49.6737N	93.7258W	437	
Experimental Station Corozal Puerto Rico, UPR	ECPR	Puerto Rico	18.3187N	66.3629W	205	From 2017-06-20
Experiment Station	EXSG	California,U.S.A.	37.6137N	118.8310W	2153	From 1984-07-01
Extrema	ETMB	Rondonia,Brazil	9.8168S	66.2137W	118	From 2014-07-27
Extrema - RO	ETM2	Rondonia	9.6800S	66.1800W	140	From 2019-04-09
Eyewell Forest, DAR2	DARN2	South Island	43.4039S	172.3723E	113	
Eyrewell	EYCZ	South Island,New Zealand	43.4214S	172.3554E	150	From 2012-03-28
Eystri-Skogar	IESK	Iceland	63.5250N	19.4510W	95	From 2001-10-04
Ezine	EZN	Turkey	39.8258N	26.3253E	50	From 1970-08-01
Ezine-Canakkale	EZNE	Turkey	39.7560N	26.3655E	75	From 2018-04-11
FA05	FA05	Finland	62.5550N	31.2190E	152	
FA06	FA06	Finland	62.2260N	30.6110E	78	
FA07	FA07	Finland	61.9110N	29.9910E	83	
FA08	FA08	Finland	61.5510N	29.3600E	85	
FA09	FA09	Finland	61.2100N	28.9450E	80	
FA10	FA10	Finland	60.9010N	28.2320E	63	
FA11	FA11	Finland	60.5370N	27.5550E	20	
Fmeque, Cundinamarca	FOM	Colombia	4.4750N	73.8593W	2383	From 2016-04-24
Fabach, Johanniskirchen, Bavaria	A147B	Germany	48.5300N	12.9776E	428	From 2016-07-25
Fabra	FBR	Spain	41.4164N	2.1250E	405	
Fabrichnaya	FAB	Kazakhstan	43.1470N	76.4470E	1050	
Fachingen	FACH	Rheinland-Pfalz,Germany	50.3563N	7.9938E	112	
FACULTAD INGENIERA (UBA)	FIUBA	Buenos Aires	34.5905S	58.4838W	43	From 2015-03-06
Faenza	FAE	Italy	44.3056N	11.8833E	48	
Faenza	FAEN	Italy	44.2895N	11.8770E	41	From 2007-09-17
Faenza	FAZ	Italy	44.2980N	11.8907E	72	From 2003-04-02
Fagaras	FAG	Romania	45.8443N	24.9704E	428	From 2015-09-10
Fagnano	FAGN	Italy	42.2660N	13.5840E	760	From 2004-05-11
Fagurholsmyri	IFAG	Iceland	63.8750N	16.6540W	27	From 1999-05-14
Fahy-L¨s-Autrey	FAHY	Franche Comte	47.5055N	5.4631E	237	From 2019-01-10
FAI	FAIMX	Baja California	31.8367N	115.9023W	1664	
FAICCHIO	FAI02	Italy	41.2784N	14.4790E	174	From 2009-01-01
Faicchio (BN)	T1012	Italia	41.2623N	14.4965E	598	From 2013-12-31 to 2014-03-03
Failaka Island	FKI	Kuwait	29.4471N	48.3132E	6	
Fairbairn	FAIR	Queensland,Australia	23.6565S	148.0772E	290	
Fairbanks	FBA	Alaska,U.S.A.	64.9000N	147.7933W	320	From 1978-08-13 to 1996-12-31
Fairbanks	FBK	Alaska,U.S.A.	64.8994N	148.0060W	330	From 1970-09-01 to 1972-04-30
Fairbanks	FB-AK	Alaska,U.S.A.	64.9519N	148.2842W	716	
Fairbanks	FB2AK	Alaska,U.S.A.	64.9100N	147.4464W	343	
Fairbanks	FBAS	Alaska,U.S.A.	64.7711N	146.8860W	400	
FAIRBANKS INFRASONIC ARRAY REFERENCE POINT	I53US	Alaska,U.S.A.	64.8750N	147.8611W	200	From 2002-09-17
Fairbanks--Long Period	FBAL	Alaska,U.S.A.	64.9100N	147.4464W	365	
Fairbourne	WFB	Wales,United Kingdom	52.6830N	4.0378W	325	From 1985-01-01
Fairfield	D25A	North Dakota,U.S.A.	47.1508N	103.3203W	850	From 2009-07-22 to 2011-06-18
Fair Harbour	FHBB	British Columbia,Canada	50.0605N	127.1146W	12	From 2019-11-19
Fair Harbour	FHRB	British Columbia,Canada	50.0537N	127.1186W	0	From 2009-03-12
Fairmont	FTW	Washington,U.S.A.	47.8767N	122.2010W	147	From 1975-09-24
Fairpoint	H26A	South Dakota,U.S.A.	44.6168N	102.7739W	879	From 2009-06-20 to 2011-06-02
Fairview Park	FPN1	Nevada,U.S.A.	39.2488N	118.1620W	2002	
Fairview Peak	FPN	Nevada,U.S.A.	39.2040N	118.1560W	2256	From 1971-09-30 to 1999-08-25
Faith Ranch, Carrizo Springs	832A	Texas,U.S.A.	28.2844N	99.9743W	238	From 2009-12-07 to 2011-10-12
Faizzone	MZ23	Italy	42.6478N	13.2997E	1025	From 2016-09-28 to 2016-10-26
Faja de Cima	FAC	Azores,Portugal	37.7732N	25.6505W	191	From 1981-01-01
Fakeheh	FKH	Lebanon	34.2448N	36.4102E	1152	From 2004-12-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Fak Fak	FAKI	Irian Jaya,Indonesia	2.9192S	132.2489E	136	From 2008-11-27
Falconara Albanese	FALC	Italy	39.2721N	16.0796E	560	From 2019-04-04
Fali, AMB	VAMB	Vanuatu	16.2500S	167.9100E	200	
Faliron Pireas	PIR2	Greece	37.9457N	23.6709E	17	From 2012-09-01
Falk	FKPU	Sweden	58.1591N	13.7241E	305	From 2004-08-07
Falkenberg	FALK	Bayern,Germany	49.8606N	12.2248E	465	
Falkenberg	FABU	Sweden	57.0011N	12.7184E	80	From 2006-10-07
Falkendorf, Steiermark	A028A	Austria	47.1029N	13.9958E	1105	From 2015-09-07
Falkenstein	A001A	Austria	48.7287N	16.5904E	337	From 2015-05-06
Falkland Islands	FLK	Falkland Islands	51.8365S	58.4465W	10	From 1992-11-06
Fall Branch	U53A	Tennessee,U.S.A.	36.3644N	82.5765W	559	From 2012-05-21
Falling Springs	FAL	California,U.S.A.	34.3098N	117.8092W	2316	
Falljokull	IFAL	Iceland	63.9577N	16.8219W	109	From 2013-07-15
Fallon	P07A	Nevada,U.S.A.	39.5399N	118.8893W	1218	From 2006-02-25 to 2008-03-10
Fall River	FLR	Massachusetts,U.S.A.	41.7167N	71.1215W	52	From 1975-03-24 to 1999-01-31
False Pass	FSP	Alaska,U.S.A.	54.9533N	163.4570W	200	
False Pass	FALS	Alaska,U.S.A.	54.8564N	163.4175W	45	From 2002-06-19
Falun	FALU	Sweden	60.4943N	15.8318E	150	From 2002-01-15
Famagusta	FAM	Cyprus	34.9961N	34.0019E	68	From 1987-02-01 to 1998-11-30
Famara	EFAM	Spain	29.1275N	13.5295W	135	
Fancy Village	SFAN	St Vincent,Saint Vincent and the Grenadines	13.3838N	61.1721W	229	
F and S Farms, Texico	X27A	New Mexico,U.S.A.	34.6469N	103.0974W	1304	From 2008-04-28 to 2010-03-16
Fangliau	SCZT	Taiwan region	22.3720N	120.6200E	74	
Fanlu	WCKO	Taiwan region	23.4385N	120.6047E	282	From 2016-06-04
Fanning Island	FAN	Line Islands,Kiribati	4.0000N	159.6670W		
Fano	MFNN	Italy	43.8230N	13.0087E	24	From 2001-05-30
Fano Adriatico	RM18	Italy	42.5499N	13.5318E	853	From 2009-04-09 to 2009-06-23
Fanzolo, Italy	MFAN	Italy	45.7119N	11.9989E	65	From 2010-07-06
Faraa	FRAS	Saudi Arabia	21.0584N	40.5183E	1996	
Farallon Islands	NFIM	California,U.S.A.	37.6983N	123.0000W	107	From 1971-05-05
Farallon Islands	FARB	California,U.S.A.	37.6978N	123.0011W	-18	From 1997-03-15
Farasan al Kabir	FRSS	Saudi Arabia	16.7383N	42.1152E	66	
Faratahi	FRT	Tuamotu,French Polynesia	18.1700S	141.0420W	2	From 1976-01-01
Far de la Banya	CFAR	Spain	40.5604N	0.6614E	2	From 2016-03-15
Fardella	BFRD	Italy	40.1139N	16.1671E	753	From 2011-12-18
Farellones	FCH	Santiago,Chile	33.3276S	70.2906W	2770	From 1982-01-01
Farewell, AK	L20K	Alaska	62.4787N	153.8798W	673	From 2015-08-17
Fargo Canyon	FRGC	California,U.S.A.	33.7572N	116.0623W	887	
Farigliano, Viaiano	A280A	Italy	44.5391N	7.9089E	288	From 2015-09-15
Faris Peak	WFAR	Alaska,U.S.A.	54.5371N	164.7765W	640	
Farkhor	FARK	Tajikistan	37.5256N	69.4045E	1406	From 2001-10-08
Farley Peak	KFPM	California,U.S.A.	39.6392N	123.4240W	796	
Farmers Branch	FW09	Texas,U.S.A.	32.9228N	96.9139W	310	From 2016-09-30
Farmers Butte	FBO	Oregon,U.S.A.	44.3099N	122.5780W	1080	From 1991-09-01
Farmington	FARG	New Mexico,U.S.A.	36.7781N	108.1870W	1801	From 1977-10-01 to 1999-08-25
Farmland	O48B	Indiana,U.S.A.	40.2571N	85.1553W	300	From 2016-01-12
Farmland	O48A	Indiana,U.S.A.	40.2571N	85.1553W	300	From 2012-06-21
Farmville	FRV	Virginia,U.S.A.	37.2030N	78.3593W	216	From 1978-10-10 to 2004-09-30
Farnham Drive Newark	C002	California,U.S.A.	37.5585N	122.0345W	7	From 2009-03-09
Faro	FAR	Portugal	37.0189N	7.9722W	8	
Faro	PFARO	Portugal	37.0259N	7.9224W	18	From 2015-02-27
Faro	FARH	Ecuador	0.0355S	78.5095W	3595	
Faro, Yukon	FARO	Yukon Territory	62.2296N	133.3481W	713	From 2013-07-01
Farra di Soligo, Italy	MPRO	Italy	45.9106N	12.1070E	281	From 2010-06-07
Farr-Stevens Ranch, Sargent	738A	Texas,U.S.A.	28.8404N	95.6481W	13	From 2010-02-16 to 2011-11-11
FARRUKHABAD	FRKB	Uttar Pradesh	27.3970N	79.5730E	138	From 2018-01-22
Farsala	FRS1	Thessaly,Greece	39.2935N	22.3844E	163	From 2011-06-15
Farson	L19A	Wyoming,U.S.A.	42.1012N	109.3575W	2034	From 2007-10-24 to 2009-10-15
Fartura	FRTB	Sao Paulo,Brazil	23.3435S	49.5635W	531	
Far West T-bar	FWVZ	North Island,New Zealand	39.2549S	175.5530E	2043	From 1999-05-11
Fasano	FASA	Italy	40.8162N	17.3541E	172	From 2011-04-14
Fasnia	TFAS	Canary Islands	28.2368N	16.4391W	434	From 2016-11-08
Fath-abad	IFTB	Iran	38.0171N	46.3944E	2222	From 2008-01-01
Fatmalar	FAT	Turkey	36.9065N	31.5136E	472	From 1975-04-01
Faulkton	G30A	South Dakota,U.S.A.	45.1293N	99.1446W	496	From 2009-09-09 to 2011-07-12
Faultless	FA-NV	Nevada,U.S.A.	38.6406N	116.2228W	1920	
Fauresmith	FRS	Orange Free State,South Africa	29.7500S	25.3217E	1420	From 1985-01-01 to 2000-09-01
Fauske	FAUS	Norway	67.3820N	15.2878E	92	From 2014-06-23
Favara	FAI	Sicily,Italy	37.2758N	13.6756E	149	From 1983-04-01
Favara	FA1	Sicily,Italy	37.3000N	13.6600E	330	From 1983-04-01
Favara	FAVR	Sicily,Italy	37.2671N	13.6669E	258	
Fayetteville	FAY	Arkansas,U.S.A.	36.0911N	94.1911W	404	From 1952-01-01 to 1969-07-31
Fayetteville	FAV	Arkansas,U.S.A.	36.1214N	94.1906W	387	From 1969-07-01
Fayid	FYD	Egypt	30.2930N	32.2310E	200	
Fayoum	RYAN	Egypt	29.0820N	30.2770E	123	From 2014-09-01
Faz. Rancharia - MS	FRNC1	Mato Grosso,Brazil	18.6011S	55.8295W	136	From 2011-07-14
FB03	FB03	Finland	63.2500N	32.0320E	190	
FB05	FB05	Finland	62.8120N	30.5960E	160	
FB06	FB06	Finland	62.4880N	30.0060E	90	
FB07	FB07	Finland	62.1300N	29.6020E	105	
FB08	FB08	Finland	61.8500N	28.7960E	105	
FB09	FB09	Finland	61.4650N	28.2050E	110	
FB10	FB10	Finland	61.1410N	27.6160E	110	
FB11	FB11	Finland	60.7860N	27.0180E	55	
FC03	FC03	Finland	63.9250N	30.9030E	185	
FC03D	FC03D	Pacific Ocean West Coast USA	44.8133N	124.7383W	-432	From 2014-09-07 to 2015-10-02
FC04	FC04	Finland	63.4330N	30.4140E	150	
FC05	FC05	Finland	63.0590N	29.8680E	145	
FC06	FC06	Finland	62.7630N	29.3750E	90	
FC07	FC07	Finland	62.4090N	28.7250E	100	
FC08	FC08	Finland	62.1060N	28.0630E	80	
FC09	FC09	Finland	61.7450N	27.4940E	115	
FC10	FC10	Finland	61.3880N	26.9450E	95	
FC11	FC11	Finland	61.0360N	26.3980E	75	
FD03	FD03	Finland	64.0570N	30.3050E	225	
FD04	FD04	Finland	63.6640N	29.8730E	157	
FD05	FD05	Finland	63.3490N	29.2370E	95	
FD06	FD06	Finland	63.0120N	28.6070E	145	
FD07	FD07	Finland	62.6560N	27.9950E	170	
FD08	FD08	Finland	62.3230N	27.3900E	127	
FD09	FD09	Finland	61.9890N	26.8780E	122	
FD11	FD11	Finland	61.2860N	25.7210E	105	
FD12	FD12	Finland	60.9490N	25.1580E	120	
FD14	FD14	Finland	60.1890N	24.1950E	45	
FD15	FD15	Finland	59.8430N	23.2460E	2	
FE03	FE03	Finland	64.2760N	29.8350E	178	
FE04	FE04	Finland	63.9340N	29.1020E	195	
FE05	FE05	Finland	63.5820N	28.5830E	183	
FE06	FE06	Finland	63.2810N	27.9110E	114	
FE07	FE07	Finland	62.9190N	27.4170E	90	
FE08	FE08	Finland	62.5910N	26.7350E	105	
FE09	FE09	Finland	62.1110N	26.3090E	195	
FE10	FE10	Finland	61.9020N	25.6600E	95	
FE11	FE11	Finland	61.5290N	25.0420E	150	
FE12	FE12	Finland	61.1890N	24.4610E	95	
FE13	FE13	Finland	60.8320N	23.9690E	122	
FE14	FE14	Finland	60.4820N	23.4690E	178	
FE15	FE15	Finland	60.1130N	22.9340E	80	
Feather Falls	FEA	California,U.S.A.	39.6191N	121.2460W	1227	From 1966-06-01 to 1969-01-31
Featherly Pass	FLP	Alaska,U.S.A.	57.7117N	156.2650W	485	From 1975-10-01
Federal Ranch	FRC	British Columbia,Canada	56.4417N	122.3830W		From 1967-12-01 to 1973-04-06
Fedgar	IFED	Iceland	64.0251N	19.6909W	432	From 2012-08-14
Ff, Capesterre Belles Eaux	CBE	Guadeloupe,France	16.0697N	61.6071W	378	From 2012-09-17
Feichten	FETA	Austria	47.0211N	10.7291E	1632	From 2006-12-13
Feke	FEKT	Turkey	37.8070N	35.9070E	690	From 1993-01-01
Feldberg	FEL	Baden-Wurttemberg,Germany	47.8758N	8.0127E	1330	From 1961-01-01 to 1996-04-30
Feldberg im Schwarzwald	FELD	Baden-Wurttemberg,Germany	47.8753N	8.0030E	1472	From 1996-04-01
Felix, Anita	M36A	Iowa,U.S.A.	41.4537N	94.8021W	430	From 2010-11-06 to 2012-08-31
Fenais da Ajuda	PFAD	Azores,Portugal	37.8388N	25.3231W	291	From 2003-12-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Fenestrelle	FENE	Italy	45.0302N	7.0627E	1000	From 1996-10-01 to 2009-09-30
Feng-lin	TWE*	Taiwan region	23.7367N	120.4255E	140	
Fenglin Township	WARBT	Taiwan region	23.7178N	121.3862E	331	From 2017-06-19
Fenwick Farm, Montrose	R38A	Missouri,U.S.A.	38.1868N	93.9056W	237	From 2010-12-05 to 2012-09-29
Feodosiya	FEO	Crimea	45.0190N	35.3900E	40	
Ferdows	FRDS	Iran	34.1394N	58.2106E	1487	
Fergana	FRG	Uzbekistan	40.3742N	71.7840E	581	
Ferguson	FERR	Nevada,U.S.A.	38.5928N	118.1750W	1646	From 1976-03-01
Ferguson Farm, Pottsville	W40A	Arkansas,U.S.A.	35.1923N	93.0693W	108	From 2011-01-25 to 2012-11-06
Fermate	NQWLB	Haiti	18.4941N	72.3150W	905	
Fernandina1, Punta Espinoza	FER1	Galapagos,Ecuador	0.4881S	91.4481W	64	From 2012-10-09
Fernandina2, Punta Mangle	FER2	Galapagos,Ecuador	0.4665S	91.4106W	250	From 2012-10-09
Fernando de Noronha	FNDO	Brazil	3.8333S	32.4167W		
Ferndale	FER	California,U.S.A.	40.5767N	124.2620W	15	From 1933-01-01
Fern Forest	FEF	Hawaii,U.S.A.	19.4783N	155.1490W	691	
Fernie	FRN	British Columbia,Canada	49.4833N	114.9770W		
Ferrara borehole (Italy)	FERB	Italy	44.9014N	11.5400E	-129	From 2012-09-18
Ferrara-Casaglia	FERS	Italy	44.9035N	11.5406E	3	From 2012-12-21
Ferrara Citta	FECT	Italy	44.8675N	11.6264E	-55	
Ferry Basin	FBMT	Montana,U.S.A.	47.4068N	114.4222W	1518	
Festivo Court Fremont	C050	California,U.S.A.	37.5240N	121.9256W	106	From 2010-09-13
Feteiras	PFET	Azores,Portugal	37.8174N	25.7886W	342	From 2004-06-01
Fethiye	FETY	Turkey	36.6353N	29.0835E	452	From 2004-12-03
Fethiye-Mugla	FETI	Turkey	36.6901N	29.0962E	20	From 2011-04-21
Fevzi Cakmak	RFT6	Turkey	38.7358N	26.8395E	20	From 2017-06-18
FF02	FF02	Finland	64.7800N	30.0060E	225	
FF04	FF04	Finland	64.2070N	28.4750E	175	
FF05	FF05	Finland	63.8210N	27.9900E	170	
FF06	FF06	Finland	63.5020N	27.2050E	125	
FF07	FF07	Finland	63.1920N	26.5940E	113	
FF11	FF11	Finland	61.7980N	24.2870E	155	
FF12	FF12	Finland	61.3740N	23.8780E	125	
FF13	FF13	Finland	61.0550N	23.3430E	108	
FF14	FF14	Finland	60.6930N	22.8190E	177	
FF15	FF15	Finland	60.4160N	22.4430E	60	
FF30	FF30	Finland	64.4950N	29.0990E	220	
FF31	FF31	Finland	64.3770N	28.6720E	240	
FF32	FF32	Finland	64.3860N	29.4280E	230	
FF33	FF33	Finland	64.6210N	28.8150E	205	
FF90	FF90	Finland	62.4870N	25.4720E	194	
FF91	FF91	Finland	62.6540N	25.6920E	120	
FF92	FF92	Finland	62.4030N	25.9020E	120	
FF93	FF93	Finland	62.2890N	25.3070E	220	
FF94	FF94	Finland	62.5690N	25.0570E	237	
FG01	FG01	Finland	65.4380N	29.5580E	218	
FG02	FG02	Finland	65.1560N	29.1000E	220	
FG03	FG03	Finland	64.8240N	28.4120E	223	
FG04	FG04	Finland	64.4510N	27.7780E	221	
FG05	FG05	Finland	64.1480N	27.2050E	135	
FG06	FG06	Finland	63.7640N	26.5380E	142	
FG07	FG07	Finland	63.4190N	25.8970E	157	
FG08	FG08	Finland	63.0840N	25.3700E	128	
FG09	FG09	Finland	62.7210N	24.7910E	188	
FG10	FG10	Finland	62.3990N	24.2360E	150	
FG11	FG11	Finland	62.0890N	23.7340E	309	
FG12	FG12	Finland	61.6510N	23.1290E	62	
FG13	FG13	Finland	61.3080N	22.6850E	70	
FG14	FG14	Finland	60.9570N	22.1070E	64	
FH02	FH02	Finland	65.4120N	28.2690E	231	
FH03	FH03	Finland	65.0610N	27.6110E	213	
FH04	FH04	Finland	64.7040N	27.1100E	140	
FH05	FH05	Finland	64.3570N	26.5070E	115	
FH06	FH06	Finland	64.0260N	25.8150E	119	
FH07	FH07	Finland	63.6820N	25.1990E	112	
FH09	FH09	Finland	62.9610N	24.1320E	151	
FH10	FH10	Finland	62.6230N	23.5270E	127	
FH11	FH11	Finland	62.2400N	23.0670E	142	
FH12	FH12	Finland	61.9020N	22.3530E	111	
FH13	FH13	Finland	61.5610N	22.0080E	63	
FH14	FH14	Finland	61.2390N	21.4730E	108	
Fiamignano	FIAM	Italy	42.2680N	13.1172E	1070	From 2004-07-02
Fiarum2 CEA PB3	FRM2	Baja California	32.5953N	115.9460W	247	
Ficken Ranch, Kirk	P27A	Colorado,U.S.A.	39.5559N	102.5782W	1286	From 2009-02-03 to 2010-10-16
Fickle Hill	FHC	California,U.S.A.	40.8017N	123.9850W	610	From 1968-12-01
Fiddyment Ranch	AFRM	California,U.S.A.	38.7923N	121.3490W	31	From 1976-12-02
Fieale Koma	FIK	Djibouti	11.5936N	42.5101E	100	
Fields	L08A	Oregon,U.S.A.	42.1901N	118.3445W	1490	From 2006-06-19 to 2008-04-19
Fields Point	FPW	Washington,U.S.A.	47.9667N	120.2130W	352	From 1975-06-01
Fieri	FIER	Albania	40.7173N	19.5671E	15	From 2014-01-17
Fierza	FRZ	Albania	42.2813N	20.0382E		
Fiescheralp	FIESA	Switzerland	46.4353N	8.1104E	2338	From 2009-11-12
Fiesheim UWZ	BA04	Nordrhein-Westfalen,Germany	50.7620N	6.7941E	118	From 2006-10-01
Fiesole	FIE	Italy	43.8072N	11.2944E	348	From 2003-07-10
Fife Lake	H46A	Michigan,U.S.A.	44.5397N	85.2034W	329	From 2012-11-08
Fig Tree	FGTQ	Queensland,Australia	20.9701S	147.7760E	220	From 1987-08-03
Figueroa Mtn.	FIGC	California,U.S.A.	34.7283N	119.9880W	945	
Figuig	FIGM	Morocco	32.1330N	1.2620W	1238	
Figuil, CM30	ACM30	Cameroon	9.7570N	13.9500E	279	
Fila Aguacate, AGC	CAGC	Costa Rica	9.6343N	84.3500W	363	
Fila Bonilla	FIBO	Costa Rica	10.0192N	83.7075W	2160	
Fila Carbon	FICA	Costa Rica	9.7375N	82.8945W	204	
Filadelfia	DELF	Costa Rica,Costa Rica	10.4480N	85.5530W	27	
Fila de Piedra	FIPE	Venezuela	7.9697N	71.2511W	600	From 1984-01-01
Filaki	VFI	Greece	39.2352N	22.5921E	360	From 1982-10-01
Fila Paraiso	ELPA	Venezuela	7.7917N	71.7253W	1285	From 1984-01-01
Filetto	RM08	Italy	42.3719N	13.5047E	1054	From 2009-04-06 to 2009-08-31
Fili	COUR	Greece	38.0977N	23.6488E	400	
Filicudi I Eolie	IFIL	Sicily,Italy	38.5640N	14.5660E	200	From 1979-01-01
Filignano	CERA	Italy	41.5978N	14.0183E	800	From 2006-07-20
Fillmore	FM-	Utah,U.S.A.	39.2183N	112.2069W	1890	From 1961-10-07 to 1966-03-12
Fillmore	FIL	California,U.S.A.	34.4238N	118.8350W	243	
Fillmore	Q15A	Utah,U.S.A.	38.9995N	112.3793W	1477	From 2007-05-22 to 2008-11-15
Fillmore	FM-UT	Utah,U.S.A.	39.2183N	112.2069W	1890	From 1961-10-07 to 1966-03-12
Fillols	FILF	Languedoc-Rousillon,France	42.5603N	2.5603E	850	From 1998-09-09
Finale Ligure	FIN	Italy	44.2092N	8.2083E	590	From 1984-01-01 to 2009-09-30
Finale Ligure	FINB	Italy	44.1775N	8.3253E	85	From 2008-01-01
Finca Alexandra	RITO	Costa Rica	10.7733N	84.9305W	144	From 2004-01-01
Finca Concepcion	VERA	Costa Rica	10.8535N	84.8690W	72	From 2004-01-01
Finca Echandi	CVIMO	Costa Rica,Costa Rica	10.0243N	83.9432W	1754	
Finca La Fe, Paquera, Puntarenas	LAFE	Costa Rica	9.8072N	84.9103W	69	From 2000-01-01
Finca la Perla	LAPC	Costa Rica	10.7675N	85.4328W	359	From 2000-01-01
Finca Las Imgenes	GBS3	Costa Rica	10.7818N	85.4550W	359	From 2000-01-01
Fine	FINE	New York,U.S.A.	44.2650N	75.1670W	354	
FINESS Array Beam Reference Point	FINES	Finland	61.4436N	26.0771E	150	
FINESS Array Site A0	FIA0	Finland	61.4436N	26.0771E	156	From 1990-01-01
FINESS Array Site A1	FIA1	Finland	61.4445N	26.0793E	138	
FINESS Array Site A2	FIA2	Finland	61.4412N	26.0737E	162	
FINESS Array Site A3	FIA3	Finland	61.4447N	26.0716E	153	
FINESS Array Site B1	FIB1	Finland	61.4441N	26.0845E	165	
FINESS Array Site B2	FIB2	Finland	61.4391N	26.0818E	159	
FINESS Array Site B3	FIB3	Finland	61.4394N	26.0706E	176	
FINESS Array Site B4	FIB4	Finland	61.4436N	26.0650E	158	
FINESS Array Site B5	FIB5	Finland	61.4467N	26.0711E	143	
FINESS Array Site B6	FIB6	Finland	61.4469N	26.0808E	147	
FINESS Array Site C1	FIC1	Finland	61.4384N	26.0596E	158	
FINESS Array Site C2	FIC2	Finland	61.4488N	26.0612E	154	
FINESS Array Site C3	FIC3	Finland	61.4527N	26.0772E	133	
FINESS Array Site C4	FIC4	Finland	61.4489N	26.0899E	145	
FINESS Array Site C5	FIC5	Finland	61.4397N	26.0917E	161	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
FINESS Array Site C6	FIC6	Finland	61.4346N	26.0760E	159	
Finlay Fork	FNC	British Columbia,Canada	55.9917N	123.2500W		
Finnes	NBB30	Norway	66.9732N	13.7354E	20	From 2013-08-01 to 2016-06-01
Finn Hill Junior High School	FINN	Washington,U.S.A.	47.7191N	122.2319W	10	
Finntorp	FINU	Sweden	59.4026N	12.4766E	229	From 2005-05-01
Finschhafen	FINC	Papua New Guinea	6.6167S	147.8570E	7	From 1992-05-20
Finsterwolde	FSW	Netherlands	53.2146N	7.1204E	0	
Finsterwolde 1	FSW1	Netherlands	53.2135N	7.1195E	1	From 2010-04-29
Finsterwolde 2	FSW2	Netherlands	53.2135N	7.1195E	-74	From 2010-04-29
Finsterwolde 3	FSW3	Netherlands	53.2135N	7.1195E	-149	From 2010-04-29
Finsterwolde 4	FSW4	Netherlands	53.2135N	7.1195E	-224	From 2010-04-29
Finsterwolde 5	FSW5	Netherlands	53.2135N	7.1195E	-299	From 2010-04-29
Fintinele	FTB	Romania	46.6892N	23.0544E	1100	From 1979-01-01
Finto	AFINE	Ethiopia	12.0681N	40.3160E	782	
Fiordimonte	FDMO	Italy	43.0365N	13.0873E	550	From 2008-03-27
Firariana	FRR	Madagascar	18.7169S	47.6000E	1555	From 1973-06-01 to 1978-11-16
Fira-Santorini	THR7	Greece	36.4224N	25.4284E	315	From 2010-03-06 to 2015-11-20
Firavahana	FIRM	Madagascar	18.7002S	46.8786E	1748	From 2001-07-22
Firdgum	FDG3	Netherlands	53.2562N	5.5481E	-89	From 2009-10-13
Firdgum	FDG4	Netherlands	53.2562N	5.5481E	-119	From 2009-10-13
Firdgum	FDG2	Netherlands	53.2562N	5.5481E	-59	From 2009-10-13
Firdgum	FDG1	Netherlands	53.2562N	5.5481E	-29	From 2009-10-13
Fire Island	FIB	Alaska,U.S.A.	61.1662N	150.1753W	62	From 1996-01-01
Fire Island	FIS	Alaska,U.S.A.	61.1442N	150.2190W	76	From 1974-09-24 to 1976-05-04
Firenze	FIR	Italy	43.7739N	11.2550E	46	
Firenze Novoli	FRZN	Italy	43.7934N	11.2223E	90	From 2019-03-25
Firoozkooh	IFIR	Iran	35.6415N	52.7536E	2380	From 1996-01-01
Firsovo	FRSO	Sakhalinskaya Oblast',Russia	47.6500N	142.5670E	5	From 1979-01-01 to 1981-01-01
First Sedna Site,Hudson Bay	SEDN	Nunavut,Canada	63.2502N	91.2081W	121	From 2006-08-24
Firth Court Fremont	C001	California,U.S.A.	37.5215N	121.9338W	96	From 2009-01-14
Fish Creek	FSHM	Victoria,Australia	38.7565S	145.9996E	420	
Fish Creek Ranch, Battle Mountain	O09A	Nevada,U.S.A.	40.1697N	117.1899W	1491	From 2006-04-22 to 2008-03-08
Fish Haven	L16A	Idaho,U.S.A.	42.0149N	111.4319W	2013	From 2007-07-13 to 2009-05-06
Fish Lake Valley	FLV	Nevada,U.S.A.	37.8139N	117.9104W	1689	
Fishrie	MFI	Scotland,United Kingdom	57.6116N	2.2953W	220	From 1988-01-01
Fish Springs	FSU	Utah,U.S.A.	39.7225N	113.3910W	1487	From 1979-06-01
Fiskardo	FSK	Greece	38.4593N	20.5623E	113	From 2012-03-24
Fistikli	FSTK	Turkey	40.4975N	28.8955E	123	From 2005-11-18
Fitzpatrick Place, Clyde Park	F17A	Montana,U.S.A.	45.9054N	110.6590W	1545	From 2007-10-21 to 2009-09-09
Fitzroy Crossing	FITX	Western Australia,Australia	18.1092S	125.6428E	110	From 1995-03-19 to 1996-09-11
Fitzroy Crossing	FITZ	Western Australia,Australia	18.0982S	125.6401E	117	From 1994-09-01
Fitzroy Falls	FTZM	New South Wales,Australia	34.6421S	150.4838E	711	
Fitzroy Harbor	FHO	Ontario,Canada	45.4550N	76.2170W	72	From 1979-04-01 to 1982-01-11
Fitzsimmons Farm, Good Thunder	I36A	Minnesota,U.S.A.	44.0191N	94.0143W	307	From 2010-09-20 to 2012-09-12
Fiumefreddo	EFIU	Sicily,Italy	37.7896N	15.2103E	97	From 2009-05-26
Fiuminata	FIU1	Italy	43.1886N	12.9316E	465	From 2011-03-14
Fiuminata	FMNT	Italy	43.1836N	12.9381E	493	From 2019-03-07
Five Bridges	MFBM	California,U.S.A.	37.4293N	118.4289W	1348	
Five Rivers Env. Education Center, Delmar	K60A	New York,U.S.A.	42.6168N	73.8886W	79	From 2013-09-13
Fivizzano	FIVI	Italy	44.2393N	10.1273E	380	From 2006-01-01
Fivizzano	TFIV	Italy	44.2360N	10.1210E	329	From 2002-08-01
FJ01	FJ01	Finland	66.0370N	28.3050E	265	
FJ02	FJ02	Finland	65.6600N	27.6510E	215	
FJ03	FJ03	Finland	65.2970N	26.9640E	120	
FJ05	FJ05	Finland	64.6210N	25.7190E	47	
FJ06	FJ06	Finland	64.2760N	25.0890E	103	
FJ07	FJ07	Finland	63.9220N	24.4860E	84	
FJ08	FJ08	Finland	63.5490N	23.9140E	112	
FJ09	FJ09	Finland	63.1990N	23.3240E	87	
FJ11	FJ11	Finland	62.4210N	22.1420E	121	
FJ12	FJ12	Finland	62.1290N	21.6770E	68	
FK04	FK04	Finland	65.0860N	25.8930E	63	
FK05	FK05	Finland	64.8660N	24.9400E	10	
FK06	FK06	Finland	64.4990N	24.3210E	8	
FK07	FK07	Finland	64.1740N	23.7590E	12	
FK08	FK08	Finland	63.7910N	23.1810E	17	
FK09	FK09	Finland	63.4290N	22.6040E	20	
FK10	FK10	Finland	63.0690N	22.1040E	10	
FK11	FK11	Finland	62.6790N	21.6710E	71	
FKAF	FKAF	Finland	62.1110N	26.3090E	195	
Flaach	FLACH	Switzerland	47.5720N	8.5676E	370	From 2003-08-29
Flagg Ranch	FLWY	Wyoming,U.S.A.	44.0827N	110.6993W	2078	
Flagon Creek Properties, Pineville	342A	Louisiana,U.S.A.	31.3747N	92.3249W	37	From 2011-02-23 to 2012-12-02
Flagon Creek Properties, Pineville	342B	Louisiana,U.S.A.	31.3747N	92.3249W	37	From 2014-01-17 to 2017-04-01
Flag Point	VFP	Oregon,U.S.A.	45.3181N	121.4650W	1716	From 1980-10-01
Flagstaff	FLAG	Arizona,U.S.A.	35.1667N	111.6430W	2115	From 1977-05-01
Flagstaff	FS-	Arizona,U.S.A.	35.0692N	111.3094W	1890	From 1961-10-14 to 1966-03-12
Flagstaff	FLG	Arizona,U.S.A.	35.2932N	111.7020W	2445	From 1966-11-01 to 1972-09-30
Flagstaff	FS-AZ	Arizona,U.S.A.	35.0692N	111.3094W	1890	From 1961-10-14 to 1966-03-12
Flagstaff	W16A	Arizona,U.S.A.	35.0951N	111.5318W	2192	From 2007-04-27 to 2008-11-21
Flamenco Island	FLAM	Panama	8.9130N	79.5370W	79	
Flaming Gorge	FGU	Utah,U.S.A.	40.9264N	109.3860W	1982	From 1960-01-01 to 1976-06-30
Flanigan	O06A	Nevada,U.S.A.	40.1650N	119.8275W	1228	From 2006-02-24 to 2008-03-05
Flannery Road San Pablo	C040	California,U.S.A.	37.9897N	122.3141W	53	From 2010-07-06
Flash Two Peak	FLSC	California,U.S.A.	34.9704N	117.0391W	990	From 1979-06-01
Flassans-sur-Issole	FLAF	Provence-Cote d'Azur,France	43.3827N	6.2549E	300	From 2012-02-27
Flat	FLA	Utah,U.S.A.	39.4700N	110.4380W	1670	From 1962-01-01 to 1977-03-31
Flatey	IFLA	Iceland	66.1610N	17.8480W	13	From 2000-11-09
Flat Gap	FGTN	Tennessee,U.S.A.	36.4340N	83.1950W	500	From 1991-12-19 to 2008-02-13
Flathead National Forest, Polebridge	A13A	Montana,U.S.A.	48.9330N	114.4135W	1199	From 2006-09-28 to 2009-08-06
Flat River	FRM	Missouri,U.S.A.	37.8358N	90.4864W	161	From 1969-01-01 to 1972-12-31
Flat Rock	FRNY	New York,U.S.A.	44.8350N	73.5883W	223	
Flat Rock, Escanaba	F43A	Michigan,U.S.A.	45.8313N	87.1694W	233	From 2011-09-13 to 2013-06-11
Flat Top 2	FL2	Washington,U.S.A.	46.1964N	122.3500W	1378	
Flavio Alfaro	FLFR	Ecuador	0.3574S	79.8427W	399	From 2008-12-10
Flavio Alfaro-Manabi	FLF1	Ecuador	0.3574S	79.8427W	400	From 2014-08-18
Flechtingen	FLTG	Germany	52.3306N	11.2372E	98	From 2008-11-20
Fleetwood	FLT	Alabama,U.S.A.	33.2580N	87.4095W	128	From 1971-01-09
Fleetwood El Sobrante	C067	California,U.S.A.	37.9761N	122.2896W	113	From 2013-02-13
Flemingsburg	SLKY	Kentucky,U.S.A.	38.4260N	83.7510W	280	From 1989-02-15
Flemingsburg	FLKY	Kentucky,U.S.A.	38.4260N	83.7510W	280	From 1989-02-15
Flemmings, Montserrat	MBFL	Montserrat	16.7485N	62.2125W	243	From 2009-07-02
Flesher Pass	FPMT	Montana	46.9988N	112.4026W	1659	From 2018-08-23
Fletcher	FLE	Vermont,U.S.A.	44.7227N	72.9517W		
Fletcher	FLET	Vermont,U.S.A.	44.7227N	72.9517W	366	From 1977-08-08
Fletcher Lake Big Creek, BC	FLLB	British Columbia,Canada	51.7390N	123.1059W	1189	From 2006-08-24 to 2008-06-10
Flin Flon	FFC	Saskatchewan,Canada	54.7250N	101.9780W	338	From 1965-02-22
Flin Flon Array Beam Reference Point	FLAR	Saskatchewan,Canada	54.7188N	101.9950W	229	
Flin Flon Array Site 1	FL01	Saskatchewan,Canada	54.7257N	101.9921W		
Flin Flon Array Site 10	FL10	Saskatchewan,Canada	54.7398N	101.9559W		
Flin Flon Array Site 11	FL11	Saskatchewan,Canada	54.7171N	101.9410W		
Flin Flon Array Site 12	FL12	Saskatchewan,Canada	54.6984N	101.9454W		
Flin Flon Array Site 13	FL13	Saskatchewan,Canada	54.6875N	101.9855W		
Flin Flon Array Site 14	FL14	Saskatchewan,Canada	54.6925N	102.0241W		
Flin Flon Array Site 15	FL15	Saskatchewan,Canada	54.7126N	102.0421W		
Flin Flon Array Site 16	FL16	Saskatchewan,Canada	54.7361N	102.0558W		
Flin Flon Array Site 17	FL17	Saskatchewan,Canada	54.7481N	102.0301W		
Flin Flon Array Site 18	FL18	Saskatchewan,Canada	54.7599N	101.9958W		
Flin Flon Array Site 2	FL02	Saskatchewan,Canada	54.7252N	101.9677W		
Flin Flon Array Site 3	FL03	Saskatchewan,Canada	54.7120N	101.9634W		
Flin Flon Array Site 31	FL31	Saskatchewan,Canada	54.7189N	101.9950W	229	
Flin Flon Array Site 4	FL04	Saskatchewan,Canada	54.7119N	101.9811W		
Flin Flon Array Site 5	FL05	Saskatchewan,Canada	54.7087N	102.0021W		
Flin Flon Array Site 6	FL06	Saskatchewan,Canada	54.7182N	102.0096W		
Flin Flon Array Site 7	FL07	Saskatchewan,Canada	54.7266N	102.0168W		
Flin Flon Array Site 8	FL08	Saskatchewan,Canada	54.7348N	101.9902W		
Flin Flon Array Site 9	FL09	Saskatchewan,Canada	54.7544N	101.9668W		
Flint Hills	HFHM	California,U.S.A.	36.8882N	121.4690W	101	From 1975-12-10
Flippin	FLPT	Tennessee,U.S.A.	36.4094N	89.3206W	131	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Florencia	FLOC	Colombia	1.5827N	75.6527W	365	From 1994-01-01
Florencia	CFLOR	Colombia	1.5850N	75.6560W	378	
Florentin-la-Capelle	FLCF	Midi-Pyrenees	44.6313N	2.6377E	236	From 2015-07-13
Flores	PETF	Guatemala	16.9163N	89.8667W	123	
Flores Is	FLOR	Azores,Portugal	39.4347N	31.1921W	605	From 1991-09-09
FLORES T-PHASE SITE N1	H07N1	Azores,Portugal	39.6912N	31.1196W	479	From 2005-05-04
FLORES T-PHASE SITE S1	H07S1	Azores,Portugal	39.3786N	31.2061W	478	From 2004-11-30
Floresville	FLRS	Texas	29.1281N	98.3804W	163	From 2019-03-12 to 2599-12-31
Florida	FLOM	Guerrero,Mexico	17.2255N	100.3887W	840	
Florina	FNA	Greece	40.7838N	21.3762E	750	From 1989-12-01
Florina	FLO2	Greece	40.7802N	21.4050E	670	From 2011-06-15
Florina	FLO1	Greece	40.7786N	21.4000E	220	From 2007-04-15
Florissant	FLO	Missouri,U.S.A.	38.8017N	90.3700W	160	From 1928-01-01 to 1971-08-31
Floro	FOO	Norway	61.5980N	5.0440E	10	From 1999-06-08
Flostrand	FLOS	Norway	66.3365N	13.3647E	20	From 2005-05-01
Flostrand	STOK2	Norway	66.3400N	13.3600E	20	From 2005-07-01
Flower Mountain	FMTX	Texas,U.S.A.	31.7720N	94.8050W	220	
Flueckinger Farm, Gordon	K27A	Nebraska,U.S.A.	42.7036N	102.2364W	1131	From 2008-11-16 to 2010-10-04
Flymyra	FLYU	Sweden	60.1282N	17.8846E	100	From 2002-01-13
FM Road 95, Garrison	ETX03	Texas,U.S.A.	31.8273N	94.5000W	102	
FN01A	FN01A	Pacific Ocean West Coast USA	46.8820N	124.3337W	-54	From 2011-07-27 to 2012-07-21
FN01C	FN01C	Pacific Ocean West Coast USA	46.8823N	124.3333W	-56	From 2013-08-30 to 2014-06-27
FN02C	FN02C	Pacific Ocean West Coast USA	46.9497N	124.4280W	-67	From 2013-08-31 to 2014-06-28
FN03A	FN03A	Pacific Ocean West Coast USA	46.8868N	124.5251W	-90	From 2011-07-28 to 2012-07-15
FN03C	FN03C	Pacific Ocean West Coast USA	46.8872N	124.5251W	-93	From 2013-08-31 to 2014-06-28
FN04C	FN04C	Pacific Ocean West Coast USA	46.9175N	124.6013W	-104	From 2013-08-31 to 2014-06-26
FN05A	FN05A	Pacific Ocean West Coast USA	46.8578N	124.6553W	-124	From 2011-07-29 to 2012-01-10
FN05C	FN05C	Pacific Ocean West Coast USA	46.8575N	124.6556W	-123	From 2013-08-31 to 2014-06-25
FN06A	FN06A	Pacific Ocean West Coast USA	46.9223N	124.7316W	-134	From 2011-07-30 to 2012-07-18
FN06C	FN06C	Pacific Ocean West Coast USA	46.9220N	124.7313W	-137	From 2013-09-01 to 2014-06-29
FN07A	FN07A	Pacific Ocean West Coast USA	46.8555N	124.7865W	-154	From 2011-07-28 to 2012-07-20
FN07C	FN07C	Pacific Ocean West Coast USA	46.8554N	124.7860W	-158	From 2013-09-01 to 2014-06-29
FN08A	FN08A	Pacific Ocean West Coast USA	46.8888N	124.8769W	-177	From 2011-07-29 to 2012-07-22
FN08C	FN08C	Pacific Ocean West Coast USA	46.8887N	124.8760W	-176	From 2013-09-02 to 2014-06-30
FN09A	FN09A	Pacific Ocean West Coast USA	46.8401N	124.8877W	-198	From 2011-07-26 to 2012-07-20
FN09C	FN09C	Pacific Ocean West Coast USA	46.8402N	124.8872W	-198	From 2013-09-01 to 2014-07-01
FN10A	FN10A	Pacific Ocean West Coast USA	46.8978N	124.9936W	-795	From 2011-07-26 to 2011-11-10
FN10C	FN10C	Pacific Ocean West Coast USA	46.8981N	124.9935W	-811	From 2013-09-02 to 2014-06-26
FN11C	FN11C	Pacific Ocean West Coast USA	46.8205N	125.0454W	-619	From 2013-09-03 to 2014-06-26
FN12A	FN12A	Pacific Ocean West Coast USA	46.8885N	125.1192W	-650	From 2011-07-27 to 2012-07-20
FN12C	FN12C	Pacific Ocean West Coast USA	46.8887N	125.1190W	-656	From 2013-09-03 to 2014-06-30
FN13C	FN13C	Pacific Ocean West Coast USA	47.0004N	125.3011W	-1764	From 2013-09-04 to 2014-06-28
FN14A	FN14A	Pacific Ocean West Coast USA	46.0248N	124.9647W	-173	From 2011-07-31 to 2012-07-20
FN14C	FN14C	Pacific Ocean West Coast USA	47.0249N	124.9642W	-173	From 2013-09-03 to 2014-06-26
FN16A	FN16A	Pacific Ocean West Coast USA	46.7996N	125.5161W	-1907	From 2011-10-17 to 2012-07-21
FN16C	FN16C	Pacific Ocean West Coast USA	46.8005N	125.5001W	-1728	From 2013-09-04 to 2014-06-30
FN17C	FN17C	Pacific Ocean West Coast USA	46.6816N	125.0005W	-1015	From 2013-09-03 to 2014-06-25
FN18A	FN18A	Pacific Ocean West Coast USA	46.6998N	124.7248W	-163	From 2011-07-30 to 2012-07-18
FN18C	FN18C	Pacific Ocean West Coast USA	46.7001N	124.7248W	-166	From 2013-09-02 to 2014-06-25
FN19A	FN19A	Pacific Ocean West Coast USA	46.7298N	124.3671W	-75	From 2011-07-30 to 2012-07-20
FN19C	FN19C	Pacific Ocean West Coast USA	46.7301N	124.3668W	-72	From 2013-08-30 to 2014-06-29
Foca	RFT5	Turkey	38.6590N	26.7487E	63	From 2017-06-18
Foa	FOCM	Turkey	38.7130N	26.7308E	34	From 2011-07-24
Focsani	FOC6	Romania	45.6947N	27.1814E	54	From 2015-09-14
Focsani	FOC	Romania	45.6950N	27.1833E	61	From 1942-07-12
Fodele	FODE	Crete,Greece	35.3797N	24.9576E	50	
Foel Wylfa	FOEL	Wales,United Kingdom	52.8898N	3.2012W	449	From 2008-10-30
Fofonovo	FFNB	Buryatiya,Russia	52.0470N	106.7640E	564	From 1999-08-01
Foggia	FGG	Italy	41.4500N	15.5514E		From 1977-11-01
Foggia	FG1	Italy	41.4500N	15.5514E		From 1977-11-01
Foggia	FOG	Italy	41.4500N	15.5514E		From 1977-11-01
Fog Glacier	S14K	Alaska,U.S.A.	56.2848N	159.5532W	1059	From 2016-06-13
Fog Glacier, Mount Veniaminof	VNFG	Alaska,U.S.A.	56.2849N	159.5532W	1068	From 2005-11-01
Fogo	FGMV	Cape Verde Islands	14.9822N	24.3453W	1682	
Fogo	FGTT	Cape Verde Islands	14.9222N	24.2988W	451	
Fogo	FGPP	Cape Verde Islands	14.9622N	24.3515W	1920	
Fogo	FGAF	Cape Verde Islands	14.8752N	24.3702W	966	
Fogo	FGMB	Cape Verde Islands	14.9322N	24.3645W	1961	
Fogo	FGMA	Cape Verde Islands	14.9692N	24.3687W	1811	
Fogo, Cova Figueira	CVFG4	Cape Verde Islands	14.8876N	24.2931W	470	From 2007-12-01 to 2008-09-01
Fogo, Fajazinha	CVFG3	Cape Verde Islands	15.0450N	24.3434W	12	From 2007-12-01 to 2008-09-01
Fogo, Galinheiro	CVFG2	Cape Verde Islands	15.0135N	24.4262W	229	From 2007-12-01 to 2008-09-01
Fogo, Monte Grande	CVFG5	Cape Verde Islands	14.8898N	24.4072W	919	From 2007-12-01 to 2008-09-01
Fogo--Pe de Pico	FPPC	Cape Verde Islands	14.9603N	24.3658W	1680	
Fogo, Sao Filipe	CVFG1	Cape Verde Islands	14.8981N	24.4886W	189	From 2007-12-01 to 2008-09-01
Foia	PFFO	Portugal	37.3163N	8.5860W	799	From 1996-01-01 to 2009-05-30
Foira Santorini	SFIR	Greece	36.4224N	25.4284E	310	From 2012-01-30
Foligno	UFLG	Italy	42.9639N	12.7282E	324	From 2004-12-12
Foligno	FOL	Italy	42.9567N	12.7067E		
Foligno Prot Civ	FOPC	Italy	42.9697N	12.7031E	300	From 2016-02-18
Folkestone	TFO1	England,United Kingdom	51.1135N	1.1409E	202	From 1989-01-01
Fond-Bernard	FNG	Guadeloupe,France	16.0603N	61.6867W	825	
Fonds-de-Gras	FDGR	Luxembourg	49.5338N	5.8636E	348	From 2012-11-29
Fontana	FON	California,U.S.A.	34.0996N	117.4387W	449	
Fontanafredda	FFNT	Italy	45.9791N	12.5863E	40	From 2002-01-30
Fontana Vidola	FNVD	Italy	44.1678N	11.1229E	950	From 2003-10-22
Fonte Corniale	FCOR	Italy	43.7692N	12.8146E	540	From 2014-01-09
Fonte del Campo	MZ100	Italy	42.6955N	13.2552E	737	From 2016-10-11 to 2016-10-25
Fontenelle, Green River	L18A	Wyoming,U.S.A.	41.9243N	110.0364W	2051	From 2007-11-03 to 2009-10-17
Fontenotte	AVEN	France	47.3738N	6.3224E	335	From 2018-09-25 to 2020-01-01
Fontinhas	FOT	Azores,Portugal	38.7411N	27.3361W		
Fontmartina	FONT	Spain	41.7622N	2.4338E	963	
Fontmartina	CFON	Spain	41.7623N	2.4356E	972	
Font Roja	AFON	Spain	38.6649N	0.5412W	1120	From 2008-12-23
Fool Peak	FLU	Utah,U.S.A.	39.3782N	112.1710W	1950	
Foothills Park , Santa Clara County	JFP	California,U.S.A.	37.3604N	122.1899W	291	From 2003-06-06
Forcatura	UFCT	Italy	43.0280N	12.8630E	851	From 2012-02-01
Forcella Aurine	FAU	Italy	46.2300N	11.9800E	1430	
Fordham	FOR	New York,U.S.A.	40.8631N	73.8856W	24	From 1910-01-01
Ford Ranch, Anza	FRD	California,U.S.A.	33.4948N	116.6022W	1000	From 2012-06-20 to 2012-12-12
Ford Ridge	FDU	Utah,U.S.A.	39.7568N	110.9900W	2975	From 1978-03-01 to 2004-03-05
Forest Bistro	DFBT	Dominica	15.2401N	61.3559W	83	
Forest City	W43A	Arkansas,U.S.A.	35.0877N	90.7061W	70	From 2011-07-30 to 2013-02-14
Forest Hill	FWV	West Virginia,U.S.A.	37.5817N	80.8117W	756	
Forest Hills Divide	AFDM	California,U.S.A.	38.9480N	120.9720W	549	From 1983-05-16
Forest Hill Site	AFHM	California,U.S.A.	39.0418N	120.7910W	1064	From 1976-07-20
Forest Lakes	X17A	Arizona,U.S.A.	34.3371N	110.8058W	2280	From 2007-04-13 to 2009-02-20
Forest Lane Berkeley	C007	California,U.S.A.	37.8956N	122.2628W	255	From 2009-04-23
Forestry Corps, Argostoli (Cefalonia, Greece)	KEFOR	Greece	38.1623N	20.5068E	53	From 2014-02-05 to 2014-05-20
Forestville	FORQ	Quebec	48.7542N	69.1135W	0	From 2015-10-22
Foret Domaniale des Maures Clau de Barrau, 83071, La Londe-les-Maures	A205A	France	43.2001N	6.2335E	384	From 2016-06-07
Forgia Vecchia	VL6*	Sicily,Italy	38.4089N	14.9611E		From 1966-04-01 to 1966-05-01
FORIO	FOR28	Italy	40.7157N	13.8751E	163	From 2019-07-20
FORIO D' ISCHIA	CISCH	Italia	40.7419N	13.8764E	66	From 2018-10-17
Former Reservoir Mayens-de-Chamoson, VS	RAW4	Switzerland	46.2074N	7.1770E	1423	From 2017-11-21
Formoso do Araguaia, TO, Brazil	RET2	Tocantins,Brazil	11.6983S	49.5342W	193	From 2008-07-18 to 2012-06-08
Forni Avoltri	FVI	Italy	46.5966N	12.7804E	1024	
Forni Avoltri	FOA	Italy	46.5867N	12.7750E	880	From 1982-06-06 to 1988-01-01
Forni di Sopra	FDS	Italy	46.4513N	12.5627E	1795	From 2010-07-23
Forrest	FORT	Western Australia,Australia	30.7790S	128.0590E	165	From 1992-05-19
Forrest	FRTM	Victoria,Australia	38.5337S	143.7160E	230	
Forrest	FORR	Western Australia,Australia	30.8500S	128.1000E		From 1988-01-01 to 1992-05-17
Forrest Kerr	FKBC	British Columbia,Canada	56.7847N	130.6180W	1175	From 1989-10-10
Forsmark	FORU	Sweden	60.3870N	18.1801E	10	From 2005-05-12
Forsnaval	RFO	Scotland,United Kingdom	58.2133N	7.0052W	197	From 1995-09-10
Forsthaus Ahlhorn	FAHL	Germany	52.9082N	8.1537E	36	From 2014-07-17
Forsting, Bavaria	A144A	Germany	48.0979N	12.0838E	553	From 2016-01-21
Forsyth	FR-	Montana,U.S.A.	46.1000N	106.4403W	823	From 1963-07-07 to 1964-08-05
Forsyth	FR-MA	Montana,U.S.A.	46.1000N	106.4403W	823	From 1963-07-07 to 1964-08-05

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Forsythe	AN2*	California,U.S.A.	36.7875N	121.4470W	41	From 1967-09-25 to 1971-04-27
Fortaleza - CE	FOR1	Ceara,Brazil	3.7785S	38.7681W	470	From 2002-09-30
Fortaleza, Los Realejos, Tenerife	CFOR	Canary Islands	28.3142N	16.5930W	2130	From 2008-07-17
Fort Charlotte	FCV	St Vincent,Saint Vincent and the Grenadines	13.1570N	61.2450W	194	
Fort Churchill	FCC	Manitoba,Canada	58.7617N	94.0867W	39	
Fort de France	FDF	Martinique,France	14.7333N	61.1503W	510	
Fort de Pagny la Blanche Cte (52)	PAGF	France,France	48.5551N	5.7251E	384	From 2008-11-05
fort du Flaut	FLAUT	Provence-Cote d'Azur	44.0037N	7.3298E	840	From 2013-08-27
Forte Buso	DFBU	Italy	46.3059N	11.7018E	1492	From 2014-12-18
Forte Coimbra	COIM	Brazil	19.9092S	57.7890W	90	From 2019-12-09
Fort Garland, S18	SCR18	Colorado	37.4123N	105.3767W	2500	
Fort Gibson	GBO	Oklahoma,U.S.A.	35.8526N	95.1843W	302	From 1979-07-19 to 1984-12-30
Fort Hunter Liggett, Jolon, California	HULI	California	36.0213N	121.2355W	340	From 2017-06-01
FORTIN DE LA CUMBRE	FDCV	Venezuela	10.5407N	66.9537W	1472	From 2003-09-08
Fort Jim, California USA	FJIM	California	38.7052N	120.6917W	723	From 2020-01-01
Fort Lent	NE42	Netherlands	51.8630N	5.8510E		
Fort Liard	FLDN	Yukon Territory,Canada	60.2390N	123.4754W	210	From 2013-07-01
Fort MacArthur	FMA	California,U.S.A.	33.7125N	118.2850W	15	
Fort Macarthur Park, San Pedro	FMP	California,U.S.A.	33.7126N	118.2938W	89	From 2000-08-30
Fort Manro	FTMN	Punjab,India	29.9000N	70.0000E	1909	From 2010-10-15
Fort McLeod	FT-	British Columbia,Canada	54.9136N	122.8822W	914	From 1962-11-16 to 1962-12-09
Fort McLeod	FT-BC	British Columbia,Canada	54.9136N	122.8822W	914	From 1962-11-16 to 1962-12-09
Fort Nelson	FL-BC	British Columbia,Canada	58.8606N	122.8364W	655	From 1965-10-22 to 1965-11-15
Fort Nelson	FNBB	British Columbia,Canada	58.8904N	123.0097W	618	
Fort Nelson	FNSB	British Columbia,Canada	58.8061N	122.7328W	440	From 2017-08-02
Fort Nelson	FNBC	British Columbia,Canada	58.8418N	122.5737W	380	From 1998-02-09 to 2006-03-28
Fort Nelson	FL-	British Columbia,Canada	58.8606N	122.8364W	655	From 1965-10-22 to 1965-11-15
Fort Ord Natural Reserve, California	FORD	California	36.6879N	121.7804W	34	From 2018-09-01
Fort Paine	FPAL	Alabama,U.S.A.	34.5403N	85.6113W	556	
Fort Payne	X50B	Alabama,U.S.A.	34.4611N	85.6499W	494	From 2011-12-16
Fort Payne	X50A	Alabama,U.S.A.	34.4596N	85.6486W	489	From 2011-12-16 to 2012-04-04
Fort Rock	J05A	Oregon,U.S.A.	43.2843N	121.2357W	1540	From 2006-07-17 to 2007-11-02
Fort Rock, OR	J05D	Oregon,U.S.A.	43.2848N	121.2347W	1541	From 2009-10-16
Fort Ross	FTR	California,U.S.A.	38.5227N	123.1610W	528	From 1975-01-22
Fort Saint-Gobain, Modane	OGMO	Rhone-Alpes,France	45.2084N	6.6850E	1080	From 1996-10-07
Fort Saint James	FSB	British Columbia,Canada	54.4767N	124.3280W	747	
Fort Saint James	FSJ	British Columbia,Canada	54.4633N	124.2800W	772	From 1965-05-12 to 1979-04-17
Fort Scott	S37A	Kansas,U.S.A.	37.7597N	94.8279W	260	From 2010-06-21 to 2012-03-03
Fort Shafter	SFTX	Texas,U.S.A.	29.9255N	104.3696W	1384	
Fort Sherman	FH-PM	Panama	9.3631N	79.9583W	15	From 1966-11-14 to 1966-12-20
Fort Sherman	FH-	Panama	9.3631N	79.9583W	15	From 1966-11-14 to 1966-12-20
Fort Simpson	FST	Northwest Territories,Canada	61.8400N	121.2750W	175	From 1986-01-09
Fort Simpson	FST1	Northwest Territories,Canada	61.7858N	121.2590W	175	From 1985-10-06 to 1986-01-09
Fort Smith	FSMA	Alberta,Canada	59.9862N	111.8218W	187	From 2010-09-12
Fort St James	FSJB	British Columbia	54.4588N	124.2945W	710	From 2015-11-04
Fort Stockton	FO-TX	Texas,U.S.A.	30.9017N	102.6978W	880	From 1964-06-21 to 1965-04-12
Fort Stockton	FO-	Texas,U.S.A.	30.9017N	102.6978W	880	From 1964-06-21 to 1965-04-12
Fort Tejon	FTC	California,U.S.A.	34.8708N	118.8918W	942	From 1952-11-21
Fortuna	FORC	Costa Rica	10.4665N	84.6698W	286	
Fortuna	FTA	Panama	8.6815N	82.2647W	629	
Fortuna Mine	FTM	Arizona,U.S.A.	32.5548N	114.3340W	263	From 1975-07-01 to 2009-04-08
Fort Valley	153A	Georgia,U.S.A.	32.6499N	83.8316W	160	From 2012-03-19
Fort Yukon	FYU	Alaska,U.S.A.	66.5660N	145.2320W	137	From 1972-02-09
Fort Yukon	FY5	Alaska,U.S.A.	67.1400N	143.2500W	558	From 1975-09-01
Fort Yukon	FY3	Alaska,U.S.A.	68.1472N	145.7000W	1439	From 1975-09-01 to 1978-08-14
Fort Yukon	FY4	Alaska,U.S.A.	67.4533N	146.2100W	792	From 1975-09-01 to 1978-08-14
Fort Yukon	FY1	Alaska,U.S.A.	67.2667N	148.9700W	939	From 1975-09-01
Fort Yukon	FY2	Alaska,U.S.A.	67.1245N	147.0970W	671	From 1975-09-01
Fosdinovo	FOSD	Italy	44.1076N	9.9971E	60	From 2013-06-23 to 2013-09-06
Fosdinovo	FS1	Italy	44.1267N	10.0250E		
Fosdinovo	FSI	Italy	44.1261N	10.0253E	0	From 1977-01-01 to 1979-12-31
Fossa	MI04	Italia	42.3031N	13.4814E	612	From 2009-04-07 to 2009-04-27
Fossato di Vico	FOSV	Italy	43.2948N	12.7612E	559	From 2011-10-01
Fossil Canyon	ID06	Idaho,U.S.A.	42.5853N	111.4518W	1897	From 2017-09-08 to 2017-10-24
Fossombrone	FSSB	Italy	43.6922N	12.7775E	498	
Fouillouse	FOUF	Provence-Cote d'Azur,France	44.5292N	6.7819E		From 1983-01-01
Foulwind	FLW	South Island,New Zealand	41.7522S	171.5000E	20	From 1968-05-24 to 1968-07-02
Foumbot	FBT	Cameroon	5.4690N	10.5710E	1040	From 1987-02-17
Fountain	I45A	Michigan,U.S.A.	44.0361N	86.2348W	215	From 2012-11-05
Fountain Green	P16A	Utah,U.S.A.	39.6092N	111.6595W	1822	From 2007-05-28 to 2009-04-11
Fountain Ranch, Boone	R25A	Colorado,U.S.A.	38.1474N	104.2834W	1461	From 2008-06-04 to 2010-04-21
Fountain Ranch, Mena	X39A	Arkansas,U.S.A.	34.5105N	94.1138W	326	From 2011-01-29 to 2012-11-07
Fourare	FOE	Morocco	31.9880N	9.2610W		
Fourg	FOURG	Franche Comte	47.1042N	5.8104E	260	From 2019-01-10
Fourg, 25253, Doubs, Bourgogne-Franche-Comte	A164A	France	47.1015N	5.8104E	272	From 2016-06-10
Four Mile Canyon	FMC	Oregon,U.S.A.	45.6244N	120.0280W	305	From 1975-11-01
Fournets-Luisans, 25288, Doubs, Franche-Comt	STFL	France	47.1121N	6.5629E	910	From 2000-04-27
Fournols	FRNF	Limousin,France	45.3867N	2.5627E	670	
Fourpeaked Station 1	FOSS	Alaska,U.S.A.	58.7994N	153.6950W	546	
Fourpeaked Station 2	FONW	Alaska,U.S.A.	58.8348N	153.9184W	905	
Fourpeaked Volcano	FOPK	Alaska,U.S.A.	58.7580N	153.4739W	546	
Four Points	FPST	Tennessee,U.S.A.	35.9780N	89.4547W	106	
Four Seasons	FS03	Queensland,Australia	25.1068S	151.8667E	180	From 2001-02-16
Fox Airport	FOXC	California,U.S.A.	34.7443N	118.2326W	683	From 1981-03-01
Fox Creek	FOX	California,U.S.A.	40.5212N	123.9920W	113	From 1974-06-19
Fox Creek	FXWY	Wyoming,U.S.A.	43.6381N	111.0268W	2254	
Fox Den Farm, The Plains	Q58A	Virginia,U.S.A.	38.9413N	77.6820W	182	From 2013-06-21
Fox Glacier	FOZ	South Island,New Zealand	43.5321S	169.8155E	54	From 2004-10-13
Foz do Areia	FDA4	Parana,Brazil	26.1670S	51.7700W	0	
Foz do Areia	FDA5	Parana,Brazil	26.1498S	51.4552W	1000	From 1981-01-01
Foz do Areia	FDA	Parana,Brazil	25.9869S	51.5153W		From 1979-01-01
FP03	FP03	Karel'skaya,Russia	62.9310N	32.5330E	175	
FP05	FP05	Karel'skaya,Russia	62.2930N	32.1070E	160	
FR05	FR05	Karel'skaya,Russia	62.0040N	32.6750E	150	
Francavilla Angitola	UC01	Italy	38.7773N	16.2701E	290	From 2015-07-16
Francisco Beltr£o	FRBT	Brazil	25.9750S	53.0626W	697	From 2016-04-16
Francis Marion National Forest	FMF	South Carolina,U.S.A.	32.9540N	79.8410W		From 1973-02-28 to 1973-10-02
Francis Peak	FPU	Utah,U.S.A.	41.0264N	111.8370W	2816	From 1974-09-01
Franconia Notch	FNN	New Hampshire,U.S.A.	44.1600N	71.6817W	1060	From 1967-01-01 to 1975-12-31
Frandzen Federal Estate	FNF	California,U.S.A.	38.7707N	122.7657W	870	
Frank Field Bay, Greenland	FFBG	Greenland	82.1294N	56.0364W	20	From 2004-07-27
Frankford	I55A	Ontario,Canada	44.2161N	77.6817W	132	From 2012-11-15
Frankfurt	WBFM	Hessen	50.1171N	8.6502E	120	From 2018-03-15
Franklin	FNO	Oklahoma,U.S.A.	35.2571N	97.4006W	357	From 1992-04-28
Franklin	FN-WV	West Virginia,U.S.A.	38.5494N	79.5131W	910	From 1964-05-04 to 1965-11-12
Franklin	Z51A	Georgia,U.S.A.	33.3167N	85.1747W	249	From 2012-04-07
Franklin	FKO	Oklahoma,U.S.A.	35.2613N	97.3861W	351	From 1987-01-01
Franklin	FN-	West Virginia,U.S.A.	38.5494N	79.5131W	910	From 1964-05-04 to 1965-11-12
Franklin Bluffs	C24K	Alaska,U.S.A.	69.7200N	148.7009W	115	From 2016-06-17
Franklin Camp	FCBC	British Columbia,Canada	48.9742N	124.7358W	255	From 2006-12-19 to 2007-02-15
Franklin College	FMPA	Pennsylvania,U.S.A.	40.0478N	76.3208W	121	
Franklin Falls Dam	FFD	New Hampshire,U.S.A.	43.4701N	71.6533W	131	
Frank Revetta Observatory, Potsdam, NY	PTNY	New York	44.5578N	74.9509W	275	From 2015-07-16
Frank Sound, Grand Cayman	FSCY	Cayman Islands	19.3129N	81.1835W	1	From 2011-01-01
Franktown	FK-CO	Colorado,U.S.A.	39.5867N	104.4617W	1803	From 1966-11-17 to 1967-06-26
Franktown	FK-	Colorado,U.S.A.	39.5867N	104.4617W	1803	From 1966-11-17 to 1967-06-26
Fraserburg	FRAZ	South Africa	31.9290S	21.4080E	1264	From 2016-08-17
Fraticciola Selvatica (Perugia) - PG	AT08	Italy	43.1834N	12.5482E	608	From 2010-04-01
Fray Jorge	CO06	Coquimbo	30.6738S	71.6350W	239	From 2015-05-14
FRDH	FRDH	Saudi Arabia	23.3850N	44.1990E	831	
Frdhf. Weidikon, ZR	EWZT1	Switzerland	47.3728N	8.5087E	410	From 2009-08-25
Frederick Butte	VFBM	Oregon,U.S.A.	43.6585N	120.2370W	1369	
Fred Haigh	FRED	Queensland,Australia	24.8985S	151.8970E	120	
Freedom	FDKY	Kentucky,U.S.A.	36.7900N	85.7942W	306	From 1987-03-27
Freed Ranch, Watford	C25A	North Dakota,U.S.A.	47.7124N	103.2558W	700	From 2009-07-25 to 2011-08-24
Fregona	FRE8	Italy	46.0150N	12.3552E	543	From 2011-03-31
Freiberg	FBE	Sachsen,Germany	50.9212N	13.3541E	44	From 2004-10-01
Freiburg, Hauptfriedhof	FREI	Baden-Wurttemberg	48.0088N	7.8431E	257	From 2017-09-20
Freiburg im Breisgau	FBB	Baden-Wurttemberg,Germany	48.0009N	7.8520E	270	From 1994-01-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Fremont	M50A	Ohio,U.S.A.	41.4035N	83.0428W	176	From 2012-07-18
Fremont Peak	HFPM	California,U.S.A.	36.7537N	121.4900W	705	From 1970-09-02
Fremont Peak	FRP	California,U.S.A.	36.7537N	121.4900W	705	From 1970-09-02
Frenchman Hills East	FHE	Washington,U.S.A.	46.9519N	119.4969W	455	
French Village	FVM	Missouri,U.S.A.	37.9840N	90.4260W	310	From 1972-09-01
Frenkendorf	SFRA	Switzerland	47.5036N	7.7091E	350	From 2007-12-31
Fresagrandinaria	FRES	Italy	41.9735N	14.6693E	414	From 2004-09-14
Fresnillo de Trujano	FTIG	Oaxaca	17.9079N	98.1327W	1098	From 2012-08-31
Fresno	FRE	California,U.S.A.	36.7683N	119.7970W	88	From 1935-11-28 to 1971-03-02
FREYUNG INFRASONIC ARRAY REFERENCE POINT	I26DE	Bayern,Germany	48.8516N	13.7131E	1111	From 2000-05-16
Friant	FRI	California,U.S.A.	36.9917N	119.7080W	119	From 1971-01-01
Fribourg, Universit¤t Freiburg, FR	SFRU	Switzerland	46.7914N	7.1579E	638	From 2016-11-21
Friburgo-RJ	DUB01	Rio de Janeiro,Brazil	22.0810S	42.3742W	623	From 2011-01-30
Friedhof Edesheim	INS8	Germany	49.2628N	8.1251E	162	From 2015-04-16
Friedhof Kandel	INS6B	Germany	49.0852N	8.1939E	130	From 2015-04-16
Friedhof Schoenenfeld	A362A	Germany	48.3636N	10.4021E	588	From 2015-12-01
Friedhofskapelle bei Heiligenfelde	SYKE	Germany	52.8785N	8.8758E	50	From 2014-04-27
Frijoles Canyon	FCN	New Mexico,U.S.A.	35.7719N	106.2500W	1945	From 1973-05-07 to 1973-07-31
Frink	FRK	California,U.S.A.	33.4021N	115.6384W	60	
Frio	FRIO	Patagonia	45.9841S	72.9421W	1079	From 2010-01-01
Frisco, N08	NCR08	Colorado	39.5526N	106.0529W	2797	
Frissel Point	FRIS	Oregon,U.S.A.	44.2122N	122.1005W	1642	
Frobisher Bay	FBC	Northwest Territories,Canada	63.7333N	68.4667W	45	
Frobisher Bay	FBN	Northwest Territories,Canada	63.7467N	68.5467W	18	From 1972-09-14
Frobisher Bay	FRB	Northwest Territories,Canada	63.7467N	68.5467W	18	From 1972-11-30
Froelich Ranch	FROB	California,U.S.A.	35.9109N	120.4869W	231	
Frontone	FRON	Italy	43.5178N	12.7257E	515	From 2010-04-19
Front Royal	FTV	Virginia,U.S.A.	38.8661N	78.1689W	341	
Frosini	FROS	Italy	43.2097N	11.1562E	431	From 2010-05-17
Froya	FRO	Norway	61.7570N	4.8820E	20	
Fruitdale	H25A	South Dakota,U.S.A.	44.6215N	103.5981W	942	From 2009-06-19 to 2011-08-23
Fruska Gora	FRGS	Serbia	45.1577N	19.8102E	500	From 2005-12-15
Fruska Gora	FGSL	Serbia	45.1571N	19.8104E	500	From 2006-01-01
Frutigen, Schulhaus Kanderbrueck, BE	SFRS	Switzerland	46.5823N	7.6563E	770	From 2018-07-03
Fry Pan Ranch, Harper	J09A	Oregon,U.S.A.	43.3471N	117.7542W	1303	From 2006-08-07 to 2008-07-11
FS01B	FS01B	Pacific Ocean West Coast USA	40.3268N	124.9492W	-940	From 2012-09-02 to 2013-06-19
FS02B	FS02B	Pacific Ocean West Coast USA	40.3511N	124.7980W	-1402	From 2012-09-13 to 2013-07-03
FS02D	FS02D	Pacific Ocean West Coast USA	40.3260N	124.8002W	-947	From 2014-07-16 to 2015-08-29
FS03B	FS03B	Pacific Ocean West Coast USA	40.2732N	124.6526W	-345	From 2012-09-13 to 2013-07-02
FS04B	FS04B	Pacific Ocean West Coast USA	40.2447N	124.5097W	-159	From 2012-09-14 to 2013-07-01
FS04D	FS04D	Pacific Ocean West Coast USA	40.2528N	124.5052W	-155	From 2014-08-12 to 2015-09-15
FS05B	FS05B	Pacific Ocean West Coast USA	40.3866N	124.8996W	-2316	From 2012-08-27 to 2013-06-12
FS06B	FS06B	Pacific Ocean West Coast USA	40.3812N	124.7853W	-2198	From 2012-08-27 to 2013-06-12
FS06D	FS06D	Pacific Ocean West Coast USA	40.3700N	124.8067W	-1946	From 2014-07-16 to 2015-08-28
FS07B	FS07B	Pacific Ocean West Coast USA	40.3392N	124.6596W	-1297	From 2012-09-13 to 2013-07-03
FS07D	FS07D	Pacific Ocean West Coast USA	40.3379N	124.6577W	-1273	From 2014-07-17 to 2015-08-28
FS08B	FS08B	Pacific Ocean West Coast USA	40.3366N	124.4598W	-120	From 2012-09-14 to 2013-07-02
FS08D	FS08D	Pacific Ocean West Coast USA	40.3347N	124.4653W	-132	From 2014-08-12 to 2015-09-15
FS09B	FS09B	Pacific Ocean West Coast USA	40.4387N	124.8085W	-2161	From 2012-08-28 to 2013-06-12
FS09D	FS09D	Pacific Ocean West Coast USA	40.4377N	124.8037W	-2122	From 2014-07-16 to 2015-08-28
FS10B	FS10B	Pacific Ocean West Coast USA	40.4330N	124.6819W	-1076	From 2012-09-13 to 2013-07-02
FS10D	FS10D	Pacific Ocean West Coast USA	40.4328N	124.6940W	-1153	From 2014-07-17 to 2015-08-28
FS11B	FS11B	Pacific Ocean West Coast USA	40.4292N	124.5778W	-132	From 2012-09-15 to 2013-07-03
FS11D	FS11D	Pacific Ocean West Coast USA	40.4285N	124.5775W	-150	From 2014-09-15 to 2015-10-07
FS12B	FS12B	Pacific Ocean West Coast USA	40.4371N	124.5059W	-60	From 2012-09-14 to 2013-07-02
FS12D	FS12D	Pacific Ocean West Coast USA	40.4456N	124.5105W	-55	From 2014-09-15 to 2015-10-06
FS13B	FS13B	Pacific Ocean West Coast USA	40.4931N	124.8065W	-2332	From 2012-09-12 to 2013-07-03
FS13D	FS13D	Pacific Ocean West Coast USA	40.4937N	124.8034W	-2291	From 2014-07-16 to 2015-08-28
FS14B	FS14B	Pacific Ocean West Coast USA	40.4955N	124.5918W	-107	From 2012-09-02 to 2012-12-08
FS14D	FS14D	Pacific Ocean West Coast USA	40.4923N	124.6039W	-145	From 2014-09-14 to 2015-10-06
FS15B	FS15B	Pacific Ocean West Coast USA	40.4926N	124.5126W	-52	From 2012-09-14 to 2013-07-03
FS15D	FS15D	Pacific Ocean West Coast USA	40.4964N	124.5247W	-56	From 2014-09-16 to 2015-10-07
FS16B	FS16B	Pacific Ocean West Coast USA	40.5381N	124.7395W	-1073	From 2012-09-12 to 2013-07-03
FS16D	FS16D	Pacific Ocean West Coast USA	40.5378N	124.7468W	-1080	From 2014-07-16 to 2015-08-28
FS17B	FS17B	Pacific Ocean West Coast USA	40.5598N	124.5965W	-146	From 2012-09-15 to 2013-07-02
FS17D	FS17D	Pacific Ocean West Coast USA	40.5598N	124.5970W	-145	From 2014-09-14 to 2015-10-06
FS18B	FS18B	Pacific Ocean West Coast USA	40.5682N	124.5016W	-107	From 2012-09-16 to 2013-07-01
FS19B	FS19B	Pacific Ocean West Coast USA	40.6279N	124.4667W	-87	From 2012-09-16 to 2013-07-01
FS20B	FS20B	Pacific Ocean West Coast USA	40.3895N	125.0311W	-2378	From 2012-09-12 to 2013-07-04
FS41D	FS41D	Pacific Ocean West Coast USA	40.6124N	124.7310W	-1079	From 2014-07-16 to 2015-08-28
FS42D	FS42D	Pacific Ocean West Coast USA	40.7151N	124.4631W	-95	From 2014-09-14 to 2015-10-05
FS43D	FS43D	Pacific Ocean West Coast USA	40.7119N	124.5839W	-719	From 2014-09-14 to 2015-10-06
FS44D	FS44D	Pacific Ocean West Coast USA	40.7609N	124.7028W	-837	From 2014-08-12 to 2015-09-15
FS45D	FS45D	Pacific Ocean West Coast USA	40.8000N	124.5203W	-477	From 2014-09-13 to 2015-09-09
Fube	FUB	Shimane,Japan	35.2838N	133.1560E	190	From 1968-12-15 to 1975-05-01
Fuego	FGO	Guatemala	14.4457N	90.8405W	1410	From 1973-02-01
Fuego 2	FGO2	Guatemala	14.4387N	90.8358W	1335	From 1986-07-01
Fuego 3	FUG	Guatemala	14.4478N	90.8420W	1505	From 1987-03-01
Fuencaliente de la Palma, La Palma	CFLP	Canary Islands	28.4972N	17.8431W	735	From 2017-11-06
Fuencaliente, La Palma	CTEN	Canary Islands	28.4822N	17.8370W	460	From 2017-05-24
Fuente Hervidero	AFUE	Spain	37.1133N	3.5068W	1586	
Fuerstenfeld	A010A	Austria	47.0733N	16.0793E	266	From 2015-11-11
Fuerstenfeldbruck Borehole	FFB1	Bayern	48.1629N	11.2751E	483	From 2015-07-31
Fuerteventura	CFTV	Canary Islands,Spain	28.4138N	14.0833W	540	From 1985-12-01
Fuerteventura	CFUE	Canary Islands,Spain	28.6468N	13.9359W	180	From 2004-11-17
Fugatoga	FUTU	Wallis and Futuna	14.3077S	178.1211W	97	From 2016-06-26
Fuhringer Ranch, Dutton	C16A	Montana,U.S.A.	47.8012N	111.7458W	1240	From 2007-09-02 to 2009-08-12
Fuji-kawa	FUJ	Yamanashi,Japan	35.2312N	138.4715E	140	
Fujikirizawa	K11	Iwate,Japan	39.4783N	141.5325E	527	
Fujinakano	JFNN	Shizuoka,Japan	35.1940N	138.6852E	167	From 2012-11-01
Fukue	FKJ	Nagasaki,Japan	32.6933N	128.8267E	26	
Fukue jima 2	JFU	Nagasaki,Japan	32.6555N	128.7495E	120	
Fukui	FKJD	Fukui,Japan	36.0941N	136.1233E	90	
Fukui	FUK	Fukui,Japan	36.0533N	136.2270E	10	
Fukuoka	FKK	Fukuoka,Japan	33.5800N	130.3800E	3	
Fukushima	FKS	Fukushima,Japan	37.7567N	140.4750E	69	
Fukushimafurudono	JFFD	Fukushima,Japan	37.0908N	140.5612E	354	From 2012-07-01
Fulgham	FMKY	Kentucky,U.S.A.	36.6640N	88.9090W	152	From 1986-10-30
Fuli	FULB	Taiwan region	23.1986N	121.2939E	376	From 2003-12-12
Fuller Ranch	FRTX	Texas,U.S.A.	32.9388N	100.8480W	689	From 1979-01-01 to 2003-01-28
Fullerton	FULC	California,U.S.A.	33.8717N	117.9225W	51	
Fullerton Airport	FLAS	California,U.S.A.	33.8713N	117.9750W	-400	From 1986-09-12
Fulton Ridge, Patton	S43A	Missouri,U.S.A.	37.5716N	90.0754W	263	From 2011-05-21 to 2013-04-14
Fumarole	FUM	California,U.S.A.	38.7932N	122.7879W	673	
Funafuti	FUNA	Tuvalu (Ellice Islands)	8.5259S	179.1966E	-1	
Funaoka	FOTD	Tottori,Japan	35.3305N	134.2672E	200	
Funatsu	FUN	Yamanashi,Japan	35.4983N	138.7630E	860	
Funchal	FUL	Madeira Islands,Portugal	32.6476N	16.8922W	58	From 1973-12-07
Fundacion Guayasamin, Bellavista alto, Iaquito	INAQ	Ecuador	0.1904S	78.4694W	2899	From 2017-07-10
Funeral Mountains	FMT	California,U.S.A.	36.6375N	116.7826W	1079	From 1978-11-28
Funhalouro, A4658	M4658	Mozambique	23.0973S	34.3782E	100	
Funks Creek	GFC	California,U.S.A.	39.3266N	122.2889W	64	
FUNVISIS	FUNV	Venezuela	10.4690N	66.8100W	918	From 2000-08-09
Fuquene	FUQ	Colombia	5.4700N	73.7381W	2580	From 1957-12-01
Furan	JFR	Kamikawa,Japan	43.1635N	142.5935E	360	
Furi	FURI	Ethiopia	8.8967N	38.6783E	2560	
Furnace Creek,Death Valley	FURC	California,U.S.A.	36.4670N	116.8632W	-37	From 1996-11-19
Furnas	FRA	Azores,Portugal	37.7593N	25.3533W	557	From 1981-01-01
Furnas	FRA1	Azores,Portugal	37.7430N	25.3568W	555	From 2004-03-01
Furstenfeldbruck	FUR	Bayern,Germany	48.1655N	11.2763E	565	From 1996-11-19
Furth	WBA	Hessen,Germany	49.6544N	8.8183E	483	From 2001-10-25
Furtwangen	FWS	Baden-Wurttemberg,Germany	48.0530N	8.1976E	925	From 1969-03-01 to 2020-02-01
Furusato	FURD	Kagoshima,Japan	31.5608N	130.6614E	360	
Fuscaldo	FSC	Italy	39.4189N	16.0425E	54	
Fusea	FUSE	Italy	46.4142N	13.0011E	520	From 2007-12-13
Fushanzhiwuyuanguanzhi	FUSB	Taiwan region	24.7597N	121.5875E	690	From 2014-06-30
Fushiki	HKI	Toyama,Japan	36.7833N	137.0500E		
Fushou	FUSS	Taiwan region	24.2476N	121.2438E	2047	From 2014-07-28
Fush Village	ETL	Taiwan region	24.1590N	121.6230E	415	From 1998-08-07

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Fusio	FUSIO	Switzerland	46.4549N	8.6632E	1480	From 1999-08-16
Futaleuf	LL02	Los Lagos	43.1906S	71.8484W	368	From 2014-09-12
Futaleufu@15	FUTA	Chile	43.1886S	71.8525W	354	
Futatsui	FUT	Akita,Japan	40.1467N	140.2167E	140	From 1967-12-29
Futbol	FUTB	Turkey	40.8649N	28.9934E	32	From 2006-09-26
FVAF	FVAF	Finland	63.0420N	22.6180E	55	
Fyli	FILI	Greece	38.1146N	23.6787E	547	
Fyli,Attica,Greece	PARN1	Greece	38.1026N	23.6693E	331	From 2019-07-19
Fytoko, Volos	FYTO	Greece	39.4086N	22.9396E	192	From 2008-07-01
G01D	G01D	Pacific Ocean West Coast USA	39.9999N	124.6008W	-1006	From 2014-07-17 to 2015-08-27
G02B	G02B	Pacific Ocean West Coast USA	40.0486N	125.2969W	-1920	From 2012-09-02 to 2013-06-19
G02D	G02D	Pacific Ocean West Coast USA	40.1603N	125.2977W	-1741	From 2014-09-16 to 2015-09-12
G03A7	G03A7	Pacific Ocean West Coast USA	40.0591N	126.1625W	-4113	From 2011-11-17 to 2012-05-14
G03B	G03B	Pacific Ocean West Coast USA	40.0580N	126.1634W	-4051	From 2012-08-27 to 2013-06-11
G03D7	G03D7	Pacific Ocean West Coast USA	40.0587N	126.1612W	-4056	From 2014-07-14 to 2015-08-29
G04B	G04B	Pacific Ocean West Coast USA	40.0585N	126.9285W	-4368	From 2012-08-27 to 2013-06-08
G04D	G04D	Pacific Ocean West Coast USA	40.1577N	126.7847W	-4350	From 2014-07-14 to 2015-08-29
G04S	G04S	Maule	34.3663S	71.8808W	491	
G05B	G05B	Pacific Ocean West Coast USA	40.0706N	127.7478W	-4462	From 2012-08-27 to 2013-06-08
G05D7	G05D7	Pacific Ocean West Coast USA	40.1430N	127.8257W	-4463	From 2014-07-14 to 2015-08-30
G05S	G05S	Maule	34.4337S	72.0167W	99	
G07S	G07S	Maule	34.7825S	72.0270W	39	
G09B	G09B	Pacific Ocean West Coast USA	40.6568N	124.7187W	-842	From 2012-09-16 to 2013-07-01
G09D	G09D	Pacific Ocean West Coast USA	40.6665N	124.7269W	-716	From 2014-07-16 to 2015-08-28
G10B	G10B	Pacific Ocean West Coast USA	40.6779N	125.5533W	-2936	From 2012-09-02 to 2013-06-19
G10D	G10D	Pacific Ocean West Coast USA	40.7888N	125.5544W	-3015	From 2014-08-11 to 2015-09-15
G10S	G10S	Maule	35.0523S	72.0898W	20	
G11B	G11B	Pacific Ocean West Coast USA	40.6875N	126.3764W	-3123	From 2012-08-28 to 2013-06-09
G11D	G11D	Pacific Ocean West Coast USA	40.7845N	126.4683W	-3145	From 2014-08-03 to 2014-08-05
G11S	G11S	Maule	34.4188S	71.8452W	550	
G12B	G12B	Pacific Ocean West Coast USA	40.6869N	127.2289W	-3080	From 2012-09-02 to 2012-11-09
G12S	G12S	Maule	35.2362S	72.2657W	132	
G13B	G13B	Pacific Ocean West Coast USA	40.6840N	128.0283W	-3215	From 2012-08-26 to 2013-06-07
G13D	G13D	Pacific Ocean West Coast USA	40.7482N	127.9371W	-3186	From 2014-07-14 to 2015-08-30
G14S	G14S	Maule	35.4028S	72.4393W	236	
G15S	G15S	Maule	34.4845S	71.8822W	464	
G16S	G16S	Maule	35.5992S	72.5835W	62	
G17B	G17B	Pacific Ocean West Coast USA	41.2839N	124.3446W	-123	From 2012-09-17 to 2013-07-01
G17D	G17D	Pacific Ocean West Coast USA	41.3996N	124.4332W	-99	From 2014-09-13 to 2014-09-16
G17S	G17S	Maule	35.5150S	72.0833W	258	
G18B	G18B	Pacific Ocean West Coast USA	41.3016N	124.9363W	-1464	From 2012-09-18 to 2013-05-16
G18D	G18D	Pacific Ocean West Coast USA	41.3047N	125.2558W	-3130	From 2014-09-13 to 2015-10-05
G1948 Merrick Township	E51A	Ontario,Canada	46.5333N	79.4924W	369	From 2012-10-21
G1974 Best Township, ON	D50A	Ontario,Canada	47.1668N	79.8412W	331	From 2012-10-19
G19B	G19B	Pacific Ocean West Coast USA	41.3074N	125.7736W	-3071	From 2012-08-28 to 2013-06-13
G19D	G19D	Pacific Ocean West Coast USA	41.3316N	126.0279W	-3082	From 2014-09-18 to 2015-09-14
G20B	G20B	Pacific Ocean West Coast USA	41.2987N	126.6133W	-3141	From 2012-08-28 to 2013-06-11
G20D	G20D	Pacific Ocean West Coast USA	41.4516N	126.8638W	-2931	From 2014-07-13 to 2015-08-31
G21B	G21B	Pacific Ocean West Coast USA	41.3160N	127.4537W	-3156	From 2012-08-28 to 2013-06-11
G21D	G21D	Pacific Ocean West Coast USA	41.1227N	127.4480W	-3293	From 2014-07-13 to 2015-08-30
G22B	G22B	Pacific Ocean West Coast USA	41.3092N	128.2740W	-3038	From 2012-08-26 to 2013-06-07
G22D	G22D	Pacific Ocean West Coast USA	41.4336N	128.0166W	-3092	From 2014-07-13 to 2015-08-30
G25B	G25B	Pacific Ocean West Coast USA	41.9199N	124.5861W	-430	From 2012-09-18 to 2013-07-31
G25D	G25D	Pacific Ocean West Coast USA	41.9811N	124.7267W	-688	From 2014-09-12 to 2015-10-08
G26B	G26B	Pacific Ocean West Coast USA	41.9249N	125.1775W	-2357	From 2012-09-17 to 2013-08-07
G26D	G26D	Pacific Ocean West Coast USA	41.9838N	125.3083W	-3104	From 2014-09-19 to 2015-10-04
G27B	G27B	Pacific Ocean West Coast USA	41.9166N	126.0167W	-3480	From 2012-09-03 to 2013-06-20
G27D	G27D	Pacific Ocean West Coast USA	42.0013N	125.9817W	-2939	From 2014-09-19 to 2015-10-05
G28B	G28B	Pacific Ocean West Coast USA	41.9428N	126.7339W	-3327	From 2012-09-04 to 2013-06-20
G29B	G29B	Pacific Ocean West Coast USA	41.9772N	127.4834W	-3197	From 2012-08-29 to 2013-06-11
G29D	G29D	Pacific Ocean West Coast USA	42.2174N	127.6052W	-2910	From 2014-07-12 to 2015-08-31
G30A7	G30A7	Pacific Ocean West Coast USA	41.9550N	128.3193W	-3124	From 2011-11-18 to 2012-05-14
G30B	G30B	Pacific Ocean West Coast USA	41.9565N	128.3198W	-3119	From 2012-08-26 to 2013-06-08
G33B	G33B	Pacific Ocean West Coast USA	42.5483N	124.7162W	-213	From 2012-09-19 to 2013-06-29
G33D	G33D	Pacific Ocean West Coast USA	42.6653N	124.8020W	-686	From 2014-08-12 to 2015-08-24
G34B	G34B	Pacific Ocean West Coast USA	42.5554N	125.2010W	-2954	From 2012-09-11 to 2013-07-06
G34D	G34D	Pacific Ocean West Coast USA	42.5723N	125.4486W	-3089	From 2014-09-10 to 2015-10-04
G35B	G35B	Pacific Ocean West Coast USA	42.5658N	126.0558W	-2367	From 2012-08-29 to 2013-06-10
G35D	G35D	Pacific Ocean West Coast USA	42.5557N	126.3990W	-2822	From 2014-07-12 to 2015-08-31
G36B2	G36B2	Pacific Ocean West Coast USA	42.5994N	126.9038W	-2423	From 2012-08-29 to 2013-06-10
G36D	G36D	Pacific Ocean West Coast USA	42.4618N	126.8965W	-3779	From 2014-07-12 to 2015-08-31
G37B	G37B	Pacific Ocean West Coast USA	42.5913N	127.7213W	-3004	From 2012-09-04 to 2013-06-20
G37D	G37D	Pacific Ocean West Coast USA	42.6285N	127.3009W	-2805	From 2014-07-30 to 2015-09-12
G50S	G50S	Maule	35.5942S	72.5988W	54	
Gabala	QBL	Azerbaijan	40.9460N	47.8370E	670	From 2011-04-22
Gabal Elzet	ZEIT	Egypt	27.8698N	33.5388E	232	
Gabbs	GAB	Nevada,U.S.A.	38.9752N	117.9130W		
Gabbs	Q08A	Nevada,U.S.A.	38.8606N	117.9316W	1411	From 2006-03-02 to 2008-03-14
Gabel Atot	ATOT	Egypt	28.1698N	33.8603E		
Gable Butte	GBB	Washington,U.S.A.	46.6082N	119.6270W	177	
Gable Mountain	GBL	Washington,U.S.A.	46.5983N	119.4600W	330	From 1969-03-01
Gabriel Gonzalez Videla	GGV	Antarctic Peninsula	64.8199S	62.8633W		
Gabriels	H58A	New York,U.S.A.	44.4176N	74.1798W	537	From 2013-08-25
Gadeokdo	GDDB	Republic of Korea	34.9930N	128.8263E	-52	From 2016-12-16
Gadlja	GADL	Magadanskaya Oblast'	59.6670N	151.3190E	27	From 2015-10-23
GAD MUNICIPAL DE MACARA	AMCA	Ecuador	4.3798S	79.9429W	448	From 2018-12-17
GAD MUNICIPAL DE PUJILI	APJL	Ecuador	0.9566S	78.6960W	2944	From 2019-02-04
GAD MUNICIPAL DE ZAPOTILLO	AZPT	Ecuador	4.3879S	80.2432W	171	From 2018-12-18
Gaecheon	GACA	Republic of Korea	35.1136N	128.3071E	147	From 2018-03-09
Gafsa	GFA	Tunisia	34.3382N	9.7265E	250	
Gafsa	GAF	Tunisia	34.4167N	8.8000E	314	From 1976-01-01
Gagan, Kwajalein Atoll, Marshall Island	KWJN	Marshall Islands	9.2373N	167.5369E	-1	From 2017-07-29
Gageodo	GGDB	Republic of Korea	34.0523N	125.1264E	34	From 2015-10-01
Gaggia	GAGG	Italy	46.0835N	10.9587E	1617	From 2012-11-19
Gagliano Castelferrato	GALF	Italy	37.7107N	14.5665E	740	From 2006-10-27
Gagliole	GAG1	Italy	43.2381N	13.0674E	460	From 2011-03-15
Gaibana	GBAN	Nepal	28.6800N	81.6140E	2120	
Gaighat	GAIG	Nepal	26.8380N	86.6318E	166	From 2001-10-14 to 2002-06-03
Gainesville	GAI	Florida,U.S.A.	29.6458N	82.3394W	50	
Gaiserwald	SGT01	Switzerland	47.4316N	9.3185E	813	From 2012-01-15
Gala	GALA	Azerbaijan	40.4100N	50.1550E	22	From 2003-08-01
Gala Law	EGL	Scotland,United Kingdom	55.8617N	2.7383W	245	From 1969-01-01 to 1981-11-27
Gala Law	EGL1	Scotland,United Kingdom	55.8611N	2.7425W	245	
Galapagos	I20EC	Galapagos	0.6025S	90.3722W	448	From 2017-12-07
Galapagos Islands	GIE	Galapagos,Ecuador	0.7333S	90.3000W	30	From 1960-01-01
Galati	GISR	Romania	45.4411N	28.0541E	67	From 2013-04-17
Galati	GLT4	Romania	45.4479N	28.0559E	24	From 2015-10-19
Galatos Road	GRRZ	North Island,New Zealand	38.3497S	176.1099E	522	From 2009-11-12
Galatro	FERC	Italy	38.4527N	16.1281E	460	From 2018-06-20
Galbreath Wildlands Preserve SSU	GALB	California	38.8620N	123.2564W	500	From 2018-09-01
Galela, Maluku	GAMI	Moluccas,Indonesia	1.8381N	127.7879E	130	From 2008-12-01
Galena City School	GCSA	Alaska,U.S.A.	64.7461N	156.8792W	46	
Galeota Point, Trinidad and Tobago	TGAL	Trinidad and Tobago	10.1468N	60.9955W	3	From 2020-02-13
Galera	GALE	Ecuador	0.8213N	80.0133W	25	From 1991-11-03 to 1992-04-28
Galerazamba	GAL	Colombia	10.7856N	75.2622W	21	From 1949-04-01
Gales Ferry	M63A	Connecticut,U.S.A.	41.4038N	72.0464W	44	From 2013-09-07
Galeton	GT-	Pennsylvania,U.S.A.	41.6317N	77.8111W	610	From 1962-05-31 to 1962-06-28
Galeton	GT-PA	Pennsylvania,U.S.A.	41.6317N	77.8111W	610	From 1962-05-31 to 1962-06-28
Galiano Island	GOB	British Columbia,Canada	49.0122N	123.5830W	10	
Galiano Island	GOBB	British Columbia,Canada	48.9493N	123.5105W	161	
Galich'ya Gora	LPSR	Voronezhskaya Oblast',Russia	52.6012N	38.9282E	136	From 2007-08-05
Galileo	GALC	California,U.S.A.	35.2137N	117.7547W	980	
Galion	GZ-OH	Ohio,U.S.A.	40.6600N	82.7833W	372	
Galiote	GAAQ	Quebec	49.2817N	63.2366W	1	From 2015-09-18
Gallatin	GLT	Tennessee,U.S.A.	36.3620N	86.4980W	159	From 1981-11-10
Gallatin River Ranch	NQMA	Montana,U.S.A.	45.9048N	111.3323W	1386	From 2013-07-26
Gallina	CR2G	Colombia	1.2104N	77.3570W	4058	
Galloway	GAL1	Scotland,United Kingdom	54.8664N	4.7114W	117	From 1989-01-01
Galoa	NGA	Fiji	18.1919S	177.9979E	396	From 1979-10-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Galt	O38A	Missouri,U.S.A.	40.1215N	93.4731W	266	From 2010-11-18 to 2012-09-27
Galvasay	GAY	Uzbekistan	41.5333N	69.9000E		
Gam	GAMM	Namibia	20.2505S	20.8253E	1065	
Gambarie	GMB	Italy	38.1681N	15.8289E	1300	
Gambatesa	GATE	Italy	41.5131N	14.9102E	487	From 2009-11-03
Gambell	GAMB	Alaska,U.S.A.	63.7758N	171.7035W	5	From 2002-02-23
Gamboa	GAMB1	Panama	9.1200N	79.7100W	40	
Games and Wildlife Shai Hills	SHAI	Ghana	5.9371N	0.0627E	107	
Gameti Lake	GALN	Yukon Territory,Canada	64.1167N	117.3143W	340	
Gampel, Insieme Werkstaetten	GAM01	Valais	46.3125N	7.7553E	631	From 2018-07-13
Gampel Kirche, VS	SGAK	Switzerland	46.3155N	7.7415E	634	From 2016-05-15
Ganado	V18A	Arizona,U.S.A.	35.7113N	109.9327W	1977	From 2007-05-11 to 2009-02-07
Ganagobie	GANF	Provence-Cote d'Azur,France	43.9976N	5.9087E	650	
Ganaly	GNL	Kamchatskaya Oblast',Russia	53.6950N	157.9419E	1200	
GANAUR	GNR	Haryana	29.1340N	77.0180E	228	From 2017-11-21
Gandia	EXGA	Spain	38.9660N	0.1780W	40	From 2003-09-24
Gandoca	RGM0	Costa Rica	9.5902N	82.6073W	17	
Gandoh	GANDO	Jammu and Kashmir	33.0328N	75.9133E	1591	
Gangavaram	GGR	India	17.8240N	80.2010E	532	
Gangdong	GGDA	Republic of Korea	35.5699N	129.1518E	52	From 2018-03-09
Ganggu	GGGA	Republic of Korea	36.3637N	129.3907E	106	From 2018-03-09
Ganghwa	KSGAH	Republic of Korea	37.7076N	126.4465E	62	From 2009-01-01
Ganghyeon	YAYA	Republic of Korea	38.1438N	128.6025E	11	From 2015-09-30
Gangneung	KSKAN	Republic of Korea	37.7425N	128.8893E	25	From 2001-12-15
Gangneung Acc Borehole	KAW	Republic of Korea	37.8052N	128.8548E	80	From 2008-03-26
Gangseo	KSGSG	Republic of Korea	37.5485N	126.8446E	67	From 2007-12-12
Ganja	KRV	Azerbaijan	40.6280N	46.3100E	532	From 1950-01-01
Ganja	GANJ	Azerbaijan	40.6460N	46.3220E	574	From 2003-01-01
Ganjari	GJRN	Nepal	29.4800N	80.7400E	2934	
Ganki	GNK	Aomori,Japan	40.7322N	140.3366E	100	
Ganzirri	GZI	Sicily,Italy	38.2647N	15.6086E		
Gaotai	GTA	Gansu,China	39.4106N	99.8144E	1341	
Gapyeong	GAPB	Republic of Korea	37.8441N	127.4950E	111	From 2015-10-01
Garabito Jaco	BITO	Costa Rica,Costa Rica	9.6190N	84.6210W	24	
Garachico, Isla de Tenerife	CDOS	Canary Islands	28.2941N	16.7393W	1620	From 2017-03-28
Garafia, La Palma	CROM	Canary Islands	28.7599N	17.8825W	2295	From 2017-10-10
Garching a.d. Alz	KW1	Bayern	48.1219N	12.5972E	514	From 2010-12-02
Garchy	GRC	Bourgogne,France	47.2956N	3.0736E	191	From 1957-11-22
Garcia Hernandez, Bohol	GHBP	Philippines	9.6300N	124.3210E	157	From 2016-04-04
Gardenia Lake, NWT	GDLN	Northwest Territories,Canada	62.0199N	105.9943W	385	From 2008-07-16
Garden Prairie	L43A	Illinois,U.S.A.	42.1833N	88.7423W	266	From 2011-09-17 to 2013-06-14
Gard house	GARD	Turkey	40.8660N	28.9938E	7	From 2006-09-26
Gardner Draw, Artesia	125A	New Mexico,U.S.A.	32.6588N	104.6573W	1212	From 2008-03-13 to 2010-02-18
Gardner Farm	GRD	Utah,U.S.A.	40.5983N	111.9258W	1323	
Gardner Place, Afton	K17A	Wyoming,U.S.A.	42.7507N	110.9201W	1922	From 2007-11-03 to 2009-05-16
Gareloi East	GAEA	Alaska,U.S.A.	51.7830N	178.7468W	326	
Gareloi-Kavalga I.	GAKI	Alaska,U.S.A.	51.5544N	178.8121W	99	
Gareloi Lava Pt.	GALAA	Alaska,U.S.A.	51.7618N	178.7715W	315	
Gareloi North	GANO	Alaska,U.S.A.	51.8203N	178.8038W	451	
Gareloi Northeast	GANE	Alaska,U.S.A.	51.8189N	178.7767W	322	
Gareloi Southwest	GASW	Alaska,U.S.A.	51.7789N	178.8546W	248	
Gargantiel	E039	Spain	38.8227N	4.6948W	591	
Gargnano BS	GARGN	Italy	45.6902N	10.6619E	1003	
Gari	GARIG	Georgia	42.6040N	43.4688E	990	
Gariep Dam	HVD	South Africa,South Africa	30.6050S	25.4967E	1433	
Garland	GL-TX	Texas,U.S.A.	32.9722N	96.6350W	168	
Garland	GL-	Texas,U.S.A.	32.9722N	96.6350W	168	
Garlstedt	IGAD	Germany	53.2576N	8.6904E	43	From 2003-07-01
Garm	GAR	Tajikistan	39.0000N	70.3167E	1305	From 2005-10-22
Garm	GAM	Tajikistan	39.0000N	70.3167E	1305	
Garmisch-Partenkirchen	GAPA	Bayern,Germany	47.4970N	11.1170E	760	From 1991-01-01 to 2001-10-20
Garmisch-Partenkirchen	PART	Bayern,Germany	47.4970N	11.1130E	760	From 2003-01-01
Garmisch-Partenkirchen	GAP	Bayern,Germany	47.4767N	11.0644E	725	From 1973-06-01 to 2004-08-13
Garner Mountain	LGMM	California,U.S.A.	41.5997N	121.8350W	1560	From 1988-10-23
Garner Valley	GVDA	California,U.S.A.	33.6689N	116.6738W	1341	
Garnes Mountain	GMI	Idaho,U.S.A.	43.7065N	111.3430W	2630	From 1974-06-01 to 1980-07-24
Garnett, Star City	Y42A	Arkansas,U.S.A.	33.8364N	91.7871W	77	From 2011-04-08 to 2013-02-16
Garni	GNI	Armenia	40.1495N	44.7414E	1583	From 1992-01-01
Garraf	CGAR	Spain	41.2933N	1.9137E	584	
Garret Mountain	GMTN	New Jersey,U.S.A.	40.8825N	74.1845W	165	From 1978-04-25
Garrett	L23A	Wyoming,U.S.A.	42.1143N	105.7012W	2153	From 2008-07-17 to 2010-05-14
Garrison	GARN	New York,U.S.A.	41.3603N	73.9240W	207	
Garrison Hill	GHW	Washington,U.S.A.	47.0417N	122.2720W	268	From 1975-09-24
Garrygala	GARG	Turkmenistan	38.4390N	56.2730E	315	
Gartow	GOR3	Germany	53.0332N	11.4347E	-280	From 2013-10-30
Garurganga	GARI	Uttar Pradesh,India	30.4525N	79.4445E	1500	From 1986-07-26
Garvey Reservoir	GVRC	California,U.S.A.	34.0497N	118.1199W	141	From 1987-10-08
Gary	239A	Texas,U.S.A.	32.0179N	94.4707W	100	From 2010-02-21 to 2011-12-11
Gary Mavity, Velonia	W41B	Arkansas,U.S.A.	35.1736N	92.2479W	95	From 2011-04-07
Garzon, Huila	GARC	Colombia	2.1870N	75.4930W	1999	From 2014-02-27
Gasbuggy	GB-NM	New Mexico,U.S.A.	36.6869N	107.2261W	2164	
Gasfeld	DEEL	Germany	52.9572N	9.3143E	0	From 2013-08-27
Gashen	GASE	Ethiopia	11.6813N	38.9211E	2972	
Gaspe, Quebec	GASG	Quebec,Canada	48.9463N	66.1161W	261	From 2005-10-25
Gateway	GACO	Colorado,U.S.A.	38.6844N	108.9737W	1414	
Gateway, N21	NCR21	Colorado	38.8694N	108.5092W	1874	
Gattinara, La Torre	A287A	Italy	45.6225N	8.3610E	423	From 2015-09-07
Gaunt Creek Borehole	GCSZ	South Island,New Zealand	43.3160S	170.3267E	129	From 2012-04-01
Gauribidanur Array	GBA	Karnataka,India	13.6042N	77.4361E	686	From 1965-01-01
Gaurikund	GKD	Himachal Pradesh,India	30.6213N	79.0029E	1760	From 2007-05-01
Gavdhos	GAVD	Crete,Greece	34.8432N	24.0862E	175	
Gavdhos	GVD	Crete,Greece	34.8391N	24.0874E	180	
Gavdos	GVDS	Crete,Greece	34.8435N	24.0902E	164	From 2007-05-01
Gavelli	GAVE	Italy	42.6922N	12.8942E	1161	From 2006-09-26
Gavello, Mirandola (MO)	MIR04	Italy	44.9275N	11.1783E	8	From 2012-05-24
Gavieira, Arcos de Valdevez	PGAV	Portugal	41.9653N	8.2698W	1084	From 2008-10-27
Gavin Park	CGPM	California,U.S.A.	37.6453N	122.0100W	366	
Gaya	GAYA	Bihar	24.8030N	85.2320E	101	From 2018-06-03
Gaylord	GY-	Minnesota,U.S.A.	44.5047N	94.0547W	305	From 1962-07-05 to 1962-07-11
Gaylord	GY-MN	Minnesota,U.S.A.	44.5047N	94.0547W	305	From 1962-07-05 to 1962-07-11
Gaynekanda	GNKN	Nepal	28.6330N	81.3310E	1334	
Gaziantep	SOFT	Turkey	37.1278N	37.3458E	1209	From 1998-02-11 to 2002-08-07
Gaziantep	GZT	Turkey	37.3553N	37.5641E	1446	From 2002-03-01
Gaziantep	GAZ	Turkey	37.1721N	37.2113E	864	From 1989-07-01
Gaziantep	GZTT	Turkey	37.0361N	37.3125E	850	From 1992-01-01
Gzier-et-Fontenelay	GZIER	France	47.3621N	5.9013E	292	From 2018-07-09 to 2020-01-01
Gazikoy-Tekirdag	GZKV	Turkey	40.7478N	27.3274E	30	From 2014-10-25
Gazikoy-TEKIRDAG	GAZK	Turkey	40.7479N	27.3275E	30	From 2019-12-23
Gazipasa	GAZI	Turkey	36.2347N	32.3157E	394	From 2008-03-06
Gazly	GZLY	Uzbekistan	40.1294N	63.4472E	186	
Gaz Metro	LNGQ	Quebec,Canada	45.6564N	73.5284W	25	From 1988-01-01
Gazzo Veronese (Italy)	GAZZ	Italy	45.1134N	11.0950E	12	From 2009-12-04
GB0S	GB0S	Maule	33.5987S	71.2093W	168	
GB Array	GB4S	Maule	33.6002S	71.2078W	189	
GB Array	GB1S	Maule	33.5977S	71.2078W	177	
GB Array	GB3S	Maule	33.6000S	71.2110W	183	
GB Array	GB2S	Maule	33.5973S	71.2108W	166	
Gbely	A333A	Slovakia	48.7156N	17.1041E	177	From 2015-09-17
GC Array	GC5S	Maule	34.0007S	71.6052W	259	
GC Array	GC4S	Maule	33.9993S	71.6040W	270	
GC Array	GC2S	Maule	33.9982S	71.6063W	234	
GC Array	GC1T	Maule	33.9962S	71.6042W	242	
GC Array	GC3S	Maule	33.9987S	71.6017W	257	
Gebbies Pass	GPZ	South Island,New Zealand	43.6946S	172.6446E	225	From 1956-11-20 to 1977-10-31
Gebel Alisa	AGAL	Egypt	23.4285N	32.8255E		
Gebel Marawa	AGMR	Egypt	23.5377N	32.5405E	237	
Gebel Rewraw	AGRW	Egypt	23.6450N	32.8097E		
Gebze	GBZE	Turkey	40.8153N	29.4110E	201	From 2005-11-15
Gebze	GBZT	Turkey	40.7889N	29.4450E	184	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Gebze	GEB	Turkey	40.8186N	29.4222E	240	From 1979-12-01 to 1999-08-25
Gebze-Kocaeli	LAFA	Turkey	40.7598N	29.3555E	38	From 2011-01-01
GEDABAY	GDB	Azerbaijan	40.7210N	45.7540E	1643	From 2010-12-22
Geddes	J31A	South Dakota,U.S.A.	43.2915N	98.7396W	491	From 2010-07-31 to 2012-05-18
Gedeh	GED	Jawa,Indonesia	7.8333S	113.8330E		
Gedikpinar	GEDT	Turkey	39.9737N	29.7232E	700	From 1994-01-01
Gediz	GEDZ	Turkey	39.0444N	29.4104E	883	From 2010-10-21
Gediz	GDZ	Turkey	39.0888N	29.4811E	1367	From 2005-01-17
Geehi	GEE	New South Wales,Australia	36.4197S	148.1830E	480	From 1958-01-01 to 1968-12-31
GeErMu	GOMU	Qinghai,China	36.1984N	94.8145E	3121	From 2009-01-01
Gees Lookout	GEES	Tasmania,Australia	41.4453S	147.1236E	70	From 1995-04-07
Gegechkori	GEG	Georgia,Georgia	42.3500N	42.3833E	180	From 1957-01-01
Geita	GETA	Tanzania	2.8660S	33.2410E	1267	From 2011-08-02
Geita	GEIT	Tanzania,United Republic of Tanzania	2.8815S	32.2168E	1276	
GELA	GEA	Italy	37.0562N	14.3146E	620	From 2008-03-12
Gelendzhik	GL1R	Russia	44.5490N	38.0700E	0	
Gelenjik	GELR	Krasnodarskiy Kray	44.5803N	37.9867E	70	From 2017-07-17
Gemlik	GEMT	Turkey	40.4350N	29.1890E	220	From 2006-07-07
Gemona	GEPF	Italy	46.2750N	13.1386E	12	From 2008-07-17
Gemona	GMNA	Italy	46.2750N	13.2369E	270	
Gemona, Istituto Magrini Marchetti	GMAR	Italy	46.2838N	13.1259E	200	From 2017-10-14
Gemsstock NE-Grat, Andermatt, UR	GMS01	Switzerland	46.6028N	8.6127E	2953	From 2018-10-17
Genat	GENF	Midi-Pyrenees	42.8230N	1.5720E	960	From 2015-07-13
General Luna, Surigao del Norte	GLSP	Mindanao	9.7839N	126.1268E	100	From 2014-09-01
General Santos	GTP	Mindanao,Philippines	6.1333N	125.2167E		
General Santos City	GSPH	Mindanao,Philippines	6.0870N	124.9490E	1050	
Geneseo	GENY	New York,U.S.A.	42.7670N	77.8170W	0	From 2001-10-27 to 2007-07-02
Genve, Vieux-Billard	SGEV	Switzerland	46.2006N	6.1367E	373	From 2011-05-01
Genf, Marziano	SGEM	Switzerland	46.1927N	6.1304E	377	From 1992-06-05
Gennadi, Rhodes Island	RGE1	Greece	36.0269N	27.9305E	5	From 2012-08-01
Geno	GENO	Iran	27.4000N	56.1723E	1616	From 2010-04-30
Genoa	GNO	Nevada,U.S.A.	38.9292N	119.8530W	1646	
Genouille - 86104 - Vienne - France	GNEF	Poitou-Charentes	46.1047N	0.3289E	110	From 2019-10-30
Genova	GEN	Italy	44.4181N	8.9301E	53	From 1963-01-01 to 1995-12-31
Genova	GNV	Italy	44.4317N	8.9320E	419	From 2007-12-05
Genova University	GENL	Italy	44.4057N	8.9697E	80	From 1995-09-01
Genta-Ana	GENH	Iburi,Japan	42.5513N	140.8532E	150	
Gentilly	GNT	Quebec,Canada	46.3628N	72.3722W	10	From 1978-04-06
Gentvishi	GTS	Georgia,Georgia	43.3828N	41.2820E	740	From 2006-09-01
Genyem	GENI	Irian Jaya,Indonesia	2.5927S	140.1678E	45	From 2009-11-24
Geochang	KSKCH	Republic of Korea	35.6140N	127.9188E	420	From 2006-12-30
Geochang	KSKUC	Republic of Korea	35.6676N	127.9079E	220	From 2000-02-24
geojin	GEJB	Republic of Korea	38.4165N	128.3858E	135	From 2018-03-02
Geological Survey, Reston	GSR	Virginia,U.S.A.	38.9479N	77.3696W	119	From 1975-06-01
Geomundo	GMDB	Republic of Korea	34.0409N	127.2883E	120	From 2015-10-01
Geophysical Institute, University of Alaska	GIA	Alaska,U.S.A.	64.8600N	147.8350W	158	From 1969-06-01 to 1971-01-31
George	J34A	Iowa,U.S.A.	43.2844N	95.9579W	432	From 2010-07-30 to 2012-05-17
Georgetown	GEO	District of Columbia,U.S.A.	38.9000N	77.0667W	29	From 1911-01-01
Georgetown	GTD	Delaware,U.S.A.	38.7414N	75.4144W	15	From 1977-01-01 to 1999-01-31
Georgetown	Q50A	Ohio,U.S.A.	38.8436N	83.9790W	262	From 2012-06-24
Georgetown Playfield ANSS-SMO	GTWN	Washington,U.S.A.	47.5512N	122.3220W	25	From 2004-08-01
Georgetown, SC	Z59A	South Carolina,U.S.A.	33.2414N	79.2780W	8	From 2013-02-23
Georgiana Molloy Anglican School, Busselton	AUBUS	West Australia,Australia	33.6600S	115.3800E	13	From 2012-09-26
GEORG VON NEUMAYER INFRASONIC ARRAY REFERENCE POINT	I27DE	Dronning Maud Land	70.7011S	8.3029W	57	From 2009-07-01
Geoscope - G, TAM	TAM2	Algeria	22.7910N	5.5270E	1377	
Geostar deep sea observatory	GEOST	Gulf of Cadiz	36.3646N	9.4814W	-3207	
Geraldton	GTO	Ontario,Canada	49.7450N	86.9617W	350	
Geraldton	GTOO	Ontario	49.7451N	86.9613W	359	From 2017-06-11
Gerania	S018	Greece	38.0150N	23.2240E	548	
Gerania Oros	MGER	Greece	37.9860N	23.2602E	600	
Gerede-Bolu	GRDE	Turkey	40.7995N	32.2116E	1350	From 2012-11-12
GERESS Array Beam Reference Point	GERES	Bayern,Germany	48.8451N	13.7016E	1137	
GERESS Array Site A0	GEA0	Bayern,Germany	48.8368N	13.7019E	1027	
GERESS Array Site A1	GEA1	Bayern,Germany	48.8363N	13.7039E	1009	
GERESS Array Site A2	GEA2	Bayern,Germany	48.8386N	13.7018E	1059	
GERESS Array Site A3	GEA3	Bayern,Germany	48.8350N	13.7000E	1017	
GERESS Array Site B1	GEB1	Bayern,Germany	48.8389N	13.7075E	1015	
GERESS Array Site B2	GEB2	Bayern,Germany	48.8395N	13.6986E	1092	
GERESS Array Site B3	GEB3	Bayern,Germany	48.8369N	13.6960E	1058	
GERESS Array Site B4	GEB4	Bayern,Germany	48.8327N	13.6989E	1006	
GERESS Array Site B5	GEB5	Bayern,Germany	48.8346N	13.7059E	976	
GERESS Array Site C1	GEC1	Bayern,Germany	48.8412N	13.7099E	1027	
GERESS Array Site C2	GEC2	Bayern,Germany	48.8451N	13.7016E	1137	
GERESS ARRAY SITE C2A	GEC2A	Bayern,Germany	48.8451N	13.7016E	1127	From 2008-08-12
GERESS ARRAY SITE C2B	GEC2B	Bayern,Germany	48.8451N	13.7016E	1127	From 2008-08-12
GERESS Array Site C3	GEC3	Bayern,Germany	48.8424N	13.6917E	1075	
GERESS Array Site C4	GEC4	Bayern,Germany	48.8352N	13.6875E	1103	
GERESS Array Site C5	GEC5	Bayern,Germany	48.8296N	13.6957E	1009	
GERESS Array Site C6	GEC6	Bayern,Germany	48.8268N	13.7091E	942	
GERESS Array Site C7	GEC7	Bayern,Germany	48.8354N	13.7145E	986	
GERESS Array Site D1	GED1	Bayern,Germany	48.8518N	13.7148E	1060	
GERESS Array Site D2	GED2	Bayern,Germany	48.8532N	13.6964E	999	
GERESS Array Site D3	GED3	Bayern,Germany	48.8465N	13.6818E	949	
GERESS Array Site D4	GED4	Bayern,Germany	48.8386N	13.6796E	1039	
GERESS Array Site D5	GED5	Bayern,Germany	48.8246N	13.6807E	1085	
GERESS Array Site D6	GED6	Bayern,Germany	48.8194N	13.6966E	1083	
GERESS Array Site D7	GED7	Bayern,Germany	48.8209N	13.7159E	959	
GERESS Array Site D8	GED8	Bayern,Germany	48.8332N	13.7261E	938	
GERESS Array Site D9	GED9	Bayern,Germany	48.8434N	13.7238E	987	From 1992-01-01
Gerfalco	GRFL	Italy	43.1475N	10.9764E	770	
Gerlach	N07B	Nevada,U.S.A.	40.7797N	118.9711W	1302	From 2006-04-27 to 2008-03-18
Gerlach	N07A	Nevada,U.S.A.	40.7721N	118.9716W	1305	From 2006-02-21 to 2006-04-27
Germantown	GERM	New York,U.S.A.	42.1570N	73.8113W	88	
Germi	GRMI	Iran	38.8081N	47.8938E	1300	From 2004-08-01
Geronimo	Z18A	Arizona,U.S.A.	33.0851N	110.0362W	812	From 2007-03-09 to 2009-01-18
Geroplatanos, N002	N002M	Greece	39.5405N	20.3584E	109	
GE Springer Mine, Mill City	N08A	Nevada,U.S.A.	40.7811N	118.1337W	1492	From 2006-02-15 to 2008-03-20
Gesves	BGES	Belgium	50.3845N	5.0869E	295	From 1997-11-15
Geumnam	GMNA0	Republic of Korea	34.9832N	127.8946E	123	From 2018-03-09
Geumsan	KSMSA	Republic of Korea	36.1058N	127.4815E	210	From 2011-10-05
Gevas	GEVA	Turkey	38.3122N	43.0586E	1672	From 2008-10-31
Gevers	GAUS	Turkmenistan	37.9320N	58.9100E	148	
Geyser Peak	GGPM	California,U.S.A.	38.7647N	122.8440W	1054	From 1975-04-18
Geysers	GDXM	California,U.S.A.	38.8078N	122.7947W	910	
Gezan	GEZ	Tajikistan	39.4000N	67.7000E		
Ghadhada	GDD	Gujarat,India	23.8700N	70.3700E	-48	From 2012-01-01
Ghaleghazi	IGHG	Iran	34.3294N	46.5685E	2090	From 2004-01-01
Ghaloghah	IGLO	Iran	36.5024N	53.8302E	1963	From 2000-08-01
Ghamsar	QAM	Iran	33.7606N	51.4397E	1864	From 1985-01-01
Ghanteswor	GHAN	Nepal	29.1800N	80.6300E	2450	From 1995-01-01
Ghanzi	GRTLG	Botswana	21.3618S	21.2157E	1198	
Ghardimaou	GHAT	Tunisia	36.4958N	8.3048E	400	
Gharebagh	GHB	Iran	29.3790N	52.5372E	2812	
Gharib	GRB	Egypt	28.2705N	32.7859E	460	
Gharneh	IGAR	Iran	32.4038N	52.0418E	2020	From 2005-04-06
Gharyan	GHAR	Libya	32.1220N	13.0863E	709	
GHASH	GHASH	Saudi Arabia	22.7175N	40.2299E	1211	
Ghasr-e-Shirin	KGS1	Iran	34.5059N	45.5888E	361	From 2017-11-16
Ghazvin	IGZV	Iran	36.3859N	50.2184E	2100	From 1996-01-01
Ghdames	LGHD	Libya	30.0167N	9.4422E	600	
Ghir-Karzin	GHIR	Iran	28.2855N	52.9867E	1200	From 2004-05-11
GHMGH	GHMGH	Saudi Arabia	20.5846N	40.5015E	100	
GHOM	GHVR	Iran	34.4800N	51.2950E	924	From 2007-05-01
Ghor Haditha	GHAJ	Jordan	31.3034N	35.5665E	-61	From 2012-05-08
Ghorjomi	GHRG	Georgia	41.7348N	42.3410E	1966	From 2016-10-05
Ghuzeima	GHZJ	Jordan	30.5300N	36.3250E	1048	From 1990-01-12
Gialos, Santorini	SNT1	Greece	36.4159N	25.4282E	12	From 2011-07-07
Giannitsa	GIA1	Greece	40.7963N	22.4155E	120	From 2008-09-30
Giannouli	GINA	Greece	39.6689N	22.3892E	74	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Giano nell'Umbria	GNU	Italy	42.8038N	12.5702E	1085	From 2009-10-07
Giardini Botanici Hanbury, Ventimiglia (IM), Italy	BURY	Italy	43.7825N	7.5568E	20	From 2015-04-20
Gibalbin	GIBL	Spain	36.8301N	5.9674W	374	
Gibilmanna	GIB	Sicily,Italy	37.9894N	14.0267E	1000	
Gibon Southern Titans, Haubstabt	R46A	Indiana,U.S.A.	38.2124N	87.5114W	164	From 2011-11-14
Gidamilanda	GIDA	Tanzania,United Republic of Tanzania	3.7368S	35.0643E	1047	
Gifford Fjord, Baffin Island, Nunavut	GIFN	Northwest Territories,Canada	69.9945N	81.6380W	92	From 2005-08-19
Gifft Hill School	SJVI	US Virgin Islands	18.3315N	64.7718W	148	From 2015-12-18
Gifu	GIF	Gifu,Japan	35.3983N	136.7650E	13	
Gigye	GIGA	Republic of Korea	36.0689N	129.1995E	59	From 2018-03-09
Gilahina Butte	GLB	Alaska,U.S.A.	61.4418N	143.8100W	845	From 1973-08-25
GILAN DEYLAMAN	GIDE	Iran	36.9230N	49.9102E	1831	From 2016-05-23
Gilan-e-Gharb (Kermanshah, Iran)	GLG1	Iran	34.1136N	45.9096E	949	From 2018-05-07
Gila River Indian Community, Laveen	Z15A	Arizona,U.S.A.	33.2893N	112.1581W	318	From 2007-04-14 to 2008-12-05
Gilbert	GBT	Nevada,U.S.A.	38.1630N	117.6840W	2137	
Gilbert Hill	GHI	Idaho,U.S.A.	46.4702N	116.3190W	920	From 1971-10-01 to 1976-01-14
Gilboa	GILB	New York,U.S.A.	42.4230N	74.4527W	335	
Gilead	W57A	North Carolina,U.S.A.	35.1529N	79.9928W	85	From 2013-03-08
Gileppe	GIP	Belgium	50.5922N	5.9742E		
Giles	GLS	Western Australia,Australia	25.0353S	128.2960E	600	From 1974-10-01 to 1978-04-11
Gilgit	GLGT	Pakistan	35.9000N	74.3000E	1478	From 2010-06-30
Gilhagi	IGIL	Iceland	66.0770N	16.3510W	134	From 1993-10-23
Gilleleje	GID	Denmark	56.1270N	12.1788E	10	
Gillis	GILR	Nevada,U.S.A.	38.7313N	118.5347W	1676	
Gilmore City	K36A	Iowa,U.S.A.	42.6381N	94.4507W	364	From 2010-10-12 to 2012-10-23
Gilmore Creek	GIL	Alaska,U.S.A.	64.9750N	147.4950W	350	
Gilmore Dome	GLN	Alaska,U.S.A.	64.9873N	147.3890W	820	From 1968-08-01
Gilmore Dome	GLM	Alaska,U.S.A.	64.9873N	147.3890W	820	From 1968-08-01
Gilroy Hot Springs	GHS	California,U.S.A.	37.0958N	121.4470W	778	From 1971-09-03
Gilroy Springs	HGSM	California,U.S.A.	37.0958N	121.4470W	778	From 1971-09-03
Gilroy West	HGWM	California,U.S.A.	37.0170N	121.6530W	131	From 1975-10-02
Gimchen	KSGIC	Republic of Korea	36.0799N	128.1024E	123	From 2007-12-12
Gimhwa	GMHB	Republic of Korea	38.2500N	127.4209E	151	From 2018-03-09
Gimpo	GMPB	Republic of Korea	37.3852N	126.4053E	-60	From 2018-03-09
Ginetes	SET2	Azores,Portugal	37.8435N	25.8066W	525	From 1998-09-01
Giniginamar, Fuerteventura	CGIN	Canary Islands	28.2054N	14.0823W	116	From 2014-10-27
Ginora - Universitat	CGIR	Spain	41.9860N	2.8278E	102	From 2010-02-23
Gioiosa Marea	ME15	Italy	38.1708N	14.8988E	116	From 2008-05-13 to 2010-01-31
Gippayama	GPY	Nagano,Japan	36.3944N	138.5000E	2033	
Giralia	GIRL	Western Australia,Australia	22.6430S	114.2340E	111	From 1995-09-04
Girard	L53A	Pennsylvania,U.S.A.	41.9539N	80.2598W	355	From 2013-01-16
Girardeau Bridge	CBMO	Missouri,U.S.A.	37.3036N	89.5236W	102	
Girdled Road	CGRR	Ohio,U.S.A.	41.6787N	81.1418W	334	
Giresun/Alucra	ALUC	Turkey	40.3442N	38.7698E	1574	From 2014-12-09
GIRESUNGRSN	GRSN	Turkey	40.9244N	38.2681E	536	From 2005-08-09
Girifalco	GRI	Italy	38.8221N	16.4200E	510	
Girl Scout Camp	GSCY	New York,U.S.A.	41.2661N	74.0039W	110	
Girona - Santa Caterina	CGIS	Spain	41.9809N	2.8216E	70	From 2011-02-21
Giron, Santander	GIRC	Colombia	7.0788N	73.1935W	1164	From 2010-06-05
Girov	GIRR	Romania	46.9551N	26.5008E	334	From 2010-08-18
Gisborne	GNZ	North Island,New Zealand	38.6424S	178.0227E	30	From 1963-07-01 to 1990-03-07
Gissar	GIS	Tajikistan	38.4667N	68.5667E		
Giuliano Di Roma	GIUL	Italy	41.5583N	13.2546E	566	From 2002-06-12
Giurgiu	GRG3	Romania	43.8944N	25.9571E	22	From 2015-08-21
Giurgiulesti	GIUM	Moldova	45.4850N	28.2081E	106	From 2007-07-27
Giv'at Ha'Em	GEM	Israel	33.2105N	35.6631E	223	From 2013-03-01
Giv`at Hamore	GVMR	Israel	32.6200N	35.3700E	90	From 1991-12-01
Givet	GIVF	Nord-Pas-de-Calais,France	50.1022N	4.8233E	295	From 1996-04-03
Gizeux - Indre-et-Loire - Centre-Val de Loire - France	GIZF	Centre	47.4076N	0.1978E	59	From 2019-08-29
Gizo	GIZ	Solomon Islands,Papua New Guinea	8.0986S	156.8420E	20	
Gizzeria	GIZZ	Italia	38.9796N	16.2077E	718	From 2020-02-13
Gjilan	GJIK	Kosovo	42.4616N	21.4359E	630	From 2008-07-06
Glaciar	GLCR	Patagonia	42.7844S	72.5102W	842	From 2010-01-01
Glacier Island	GLI	Alaska,U.S.A.	60.8792N	147.0959W	430	From 1984-09-18
Glacier Island	GLC	Alaska,U.S.A.	60.8907N	147.0720W	3	From 1972-07-24 to 1984-09-17
Glacier Lake	GLK	Washington,U.S.A.	46.5639N	121.6090W	1320	
Glacier Peak	GC-WA	Washington,U.S.A.	48.1622N	121.2822W	671	From 1962-11-08 to 1962-12-12
Glacier Peak	GPW	Washington,U.S.A.	48.1179N	121.1379W	2354	
Glacier Peak	GC-	Washington,U.S.A.	48.1622N	121.2822W	671	From 1962-11-08 to 1962-12-12
Glacier Shelter	GSZ	North Island,New Zealand	39.2702S	175.5619E	2600	From 1976-06-01 to 1984-03-22
Glacier View	M23K	Alaska,U.S.A.	61.7929N	147.7262W	583	From 2016-04-12
Gladkovskiy	GLDR	Krasnodarskiy Kray	44.9830N	37.7210E	230	From 2018-10-07
Gladstone	GLAD	Tasmania,Australia	40.9844S	148.0086E	146	From 1996-01-01
Gladstone Plant	GLADS	Queensland,Australia	23.8697S	151.2681E	117	
Gladstone Soft Rock	GD1S	Queensland,Australia	23.8421S	151.1690E	27	From 2011-10-10
Gladstone Stream	GSP	South Island,New Zealand	44.1320S	170.0181E	840	From 1975-04-01 to 1978-04-09
Gladwin	I47A	Michigan,U.S.A.	44.0193N	84.5096W	269	From 2012-11-06
Glafira	VGL	Greece	39.4456N	22.8842E	424	From 1982-10-01
Glaisdale, N Yorkshire Moors	GDLE	England,United Kingdom	54.4218N	0.8157W	228	From 2012-01-26
Glamis	GLA	California,U.S.A.	33.0515N	114.8271W	610	From 1966-12-19
Glarus, Kantonsspital, GL	SGLK	Switzerland	47.0450N	9.0661E	480	From 2017-07-20
Glashaus Lp Emeryville	C033	California,U.S.A.	37.8467N	122.2895W	2	From 2009-12-09
Glashutten	GHA	Austria	47.4625N	16.3881E	500	
Glass	GLST	Missouri,U.S.A.	36.2691N	89.2877W	122	
Glass	GLAT	Tennessee,U.S.A.	36.2694N	89.2876W	120	
Glebe high school	OTGH	Ontario,Canada	45.4014N	75.6969W	74	From 2001-12-18
Gleen Almond Test #1	GAX1	Quebec	45.7033N	75.4783W	0	From 2015-08-14
Gleen Almond Test #2	GAX2	Quebec	45.7024N	75.4774W	0	From 2015-08-14
Glehn	BA17	Nordrhein-Westfalen,Germany	51.2516N	6.3657E	65	From 2006-10-01
Glen Almond	GAC	Quebec,Canada	45.7033N	75.4783W	62	From 1979-10-26
Glen Avon	GAV	California,U.S.A.	34.0225N	117.5049W	262	From 1976-01-01
Glenbawn Bedrock	GBBM	New South Wales,Australia	32.0925S	150.9725E	275	
Glenbawn Dam	GBAM	New South Wales,Australia	32.1114S	150.9993E	293	
Glen Canyon	GCA	Arizona,U.S.A.	36.9736N	111.5931W	1339	From 1960-08-01 to 1999-08-25
Glen Canyon Dam (NPS), Page	T16A	Arizona,U.S.A.	36.9839N	111.5060W	1177	From 2007-03-17 to 2008-11-19
Glen Cove	GCY	New York,U.S.A.	40.8583N	73.6300W	43	From 1965-02-01
Glendale	K02A	Oregon,U.S.A.	42.7667N	123.4898W	963	From 2006-05-26 to 2007-11-28
Glendive	GI-MA	Montana,U.S.A.	47.1928N	104.2194W	732	From 1963-07-17 to 1964-08-05
Glendive	GI-	Montana,U.S.A.	47.1928N	104.2194W	732	From 1963-07-17 to 1964-08-05
Glendive	D24A	Montana,U.S.A.	47.1152N	104.3270W	766	From 2008-09-19 to 2010-08-03
Glenfield	GFW	South Island,New Zealand	41.4550S	173.8307E	230	From 1991-11-26 to 2004-05-16
Glengowla, Co Galway	IGLA	Ireland	53.4195N	9.3750W	30	
Gleniffer braes	PGBU	Scotland,United Kingdom	55.8115N	4.4837W	199	From 1990-01-01 to 1991-01-01
Glenmaggie	GLMM	Victoria,Australia	37.9020S	146.7990E	160	
Glenmawr Avenue, El Cerrito	C012	California,U.S.A.	37.9264N	122.3125W	36	From 2009-05-28
Glenmuick	GLE	South Island,New Zealand	42.8983S	173.0951E	74	From 1932-01-01 to 1936-12-31
Glennies Creek Dam	GLNM	New South Wales,Australia	32.3662S	151.2464E	160	
Glennville	256A	Georgia,U.S.A.	31.9799N	81.8878W	46	From 2012-03-16
Glenroy	BGRQ	Queensland,Australia	20.5492S	147.1050E	160	From 1981-02-16
Glenside	GLEN	South Australia,Australia	34.9435S	138.6310E	70	From 2001-08-02
Glenview	GGLM	California,U.S.A.	38.8967N	122.7760W	893	From 1975-04-18
Glhisar (BURDUR)	GLHS	Turkey	37.1560N	29.4983E	1100	From 2005-04-08
Globe	GE-AZ	Arizona,U.S.A.	33.7756N	110.5281W	1475	From 1964-04-09 to 1965-10-04
Globe	GE-	Arizona,U.S.A.	33.7756N	110.5281W	1475	From 1964-04-09 to 1965-10-04
Glomfjord B¥rehus	NBB17	Norway	66.8161N	13.9581E	153	From 2013-08-01 to 2016-06-01
Glory Hole Creek	GHO	Alaska,U.S.A.	61.7722N	148.9240W	1021	From 1984-09-11
Gloucester	GLO	Massachusetts,U.S.A.	42.6403N	70.7272W	15	From 1975-08-01
Gloversville	GLOV	New York,U.S.A.	43.0895N	74.3320W	292	
Glow Worm Lake	GLWN	Northwest Territories,Canada	64.7253N	109.3304W	449	
Glumsstadir	IGLU	Iceland	64.9806N	15.0854W	115	From 2005-11-01
Gnd/Air Tx Cntr	GATR	California,U.S.A.	34.5527N	120.5024W	590	
Gnome	GN-	New Mexico,U.S.A.	32.2625N	103.8569W	1036	From 1962-01-08 to 1962-02-15
Gnome	GN-NM	New Mexico,U.S.A.	32.2625N	103.8569W	1036	From 1962-01-08 to 1962-02-15
Gnosjoe	GNOU	Sweden	57.2909N	13.7561E	280	From 2006-10-09
Gnowangerup	GNOW	Western Australia,Australia	33.8728S	118.1999E	320	From 2008-01-28 to 2019-09-01
Gnowangerup Cupla Days	GNOC	Western Australia	33.8560S	118.1745E	260	From 2015-01-01
Gnowangerup Town	GNOT	Western Australia	33.9370S	118.0710E	260	From 2016-01-01
Goa	GOA	Goa, Daman and Diu,India	15.4917N	73.8247E	58	From 1964-06-06
Go??abunga	IGOD	Iceland	63.6598N	19.3224W	1200	From 2006-09-06

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Goat Mountain	GOAT	Alaska,U.S.A.	60.5810N	144.7271W	897	
Goat Mountain	GTM	California,U.S.A.	34.2946N	116.3560W	836	
Goat Mountain	GT2	Oregon,U.S.A.	45.1556N	122.2710W	823	From 1985-09-01
Goat Mountain	VGTM	Oregon,U.S.A.	45.1498N	122.2650W	993	
Gobabis	GOBN	Namibia	22.7167S	18.1500E	1438	
Gobbelet	GOBY	New York,U.S.A.	41.3294N	73.9219W	150	
Gobu	GOBA	Azerbaijan	40.4010N	49.7330E	183	From 2003-08-01
Gochang-gun	GOCB	Republic of Korea	35.3484N	126.5982E	-14	From 2012-11-16
Goddelau	GODD	Hessen	49.8251N	8.5169E	90	From 2012-08-01
Godfrey	GOGA	Georgia,U.S.A.	33.4112N	83.4666W	116	From 1993-03-09
Godhavn	GDH	Greenland	69.2500N	53.5333W	23	
Goeppingen, Maitis	A106A	Germany	48.7533N	9.7218E	471	From 2015-11-13 to 2016-06-30
Goeppingen, Maitis	A106B	Germany	48.7534N	9.7219E	468	From 2016-06-30
Gofitskoye	GOF	Stavropol'skiy Kray,Russia	45.0580N	43.0430E	293	From 1994-03-19 to 2016-07-20
Gofitskoye	GOFR	Stavropol'skiy Kray	45.0838N	43.0485E	229	From 2017-03-17
Gogaran	GOGS	Armenia	40.9017N	44.1950E	1935	
Goheung	KSKOH	Republic of Korea	34.6090N	127.2733E	53	From 2000-02-10
Gokceada-Canakkale	GOKC	Turkey	40.1997N	25.9183E	118	From 2011-03-28
Golan-Tel Qazir	GLH	Israel	32.7140N	35.6500E	330	From 1986-06-26
Goldborn	GOLB	Niedersachsen	52.9220N	9.4255E	31	From 2008-04-04
Gold Coast 1 Soft	GC1S	Queensland,Australia	28.1617S	153.5115E	11	From 2009-01-01
Gold Coast 2 Fill	GC2F	Queensland,Australia	27.9122S	153.3958E	12	From 2009-01-01
Gold Coast Softrock	GC2	Queensland,Australia	28.1364S	153.4539E	60	
Gold Cst Hrdrock	GC1	Queensland,Australia	27.9487S	153.3618E	60	
Golden	GOL	Colorado,U.S.A.	39.7003N	105.3711W	2359	From 1961-12-21 to 1999-08-25
Golden	GLD	Colorado,U.S.A.	39.7493N	105.2201W	1762	From 1974-01-01
Golden	GNM	New Mexico,U.S.A.	35.2496N	106.1930W	2417	From 1976-01-01
Goldendale	F06A	Washington,U.S.A.	45.7664N	120.7817W	577	From 2006-08-26 to 2008-03-28
Golden Eagle	Q42A	Illinois,U.S.A.	38.9120N	90.5331W	175	From 2011-05-07
Golden Eagle Way Pleasanton	C025	California,U.S.A.	37.6437N	121.9005W	97	From 2009-09-16 to 2013-04-02
Golden State Vinters, Fresno, CA USA	WINE	California	36.6654N	119.9393W	71	From 2018-01-01
Goldfield	GF-	Nevada,U.S.A.	37.9175N	117.2017W	1707	From 1963-02-08 to 1963-03-29
Goldfield	S09A	Nevada,U.S.A.	37.7243N	117.2246W	1767	From 2006-04-12 to 2008-03-24
Goldfield	GF-NV	Nevada,U.S.A.	37.9175N	117.2017W	1707	From 1963-02-08 to 1963-03-29
Gold Hill	PGHM	California,U.S.A.	35.8310N	120.3530W	433	From 1968-03-21
Gold Hill	GHIB	California,U.S.A.	35.8323N	120.3473W	330	
Gold Hill	PK1	California,U.S.A.	35.8310N	120.3530W	433	From 1968-03-21
Gold Hill	GHC	California,U.S.A.	35.8310N	120.3530W	433	From 1968-03-21
Gold King Creek	GKC	Alaska,U.S.A.	64.1787N	147.9350W	490	From 1976-07-01
Gold Mountain	GMN	Nevada,U.S.A.	37.3004N	117.2598W	2169	From 1979-07-13
Gold Mountain	GMW	Washington,U.S.A.	47.5479N	122.7860W	506	From 1970-02-27
Gold River	GDR	British Columbia,Canada	49.7810N	126.0320W	100	From 1978-08-04
Gold Rush Inn	AGIM	California,U.S.A.	38.8447N	120.9810W	305	From 1976-01-28
Goldstone, Barstow	GSC	California,U.S.A.	35.3018N	116.8057W	1000	From 1961-11-07
Goldstream Park	GSTB	British Columbia,Canada	51.6600N	118.6850W	1340	
Goldstream Valley	GSVT	Alaska,U.S.A.	63.3372N	142.9821W	497	From 2003-04-01 to 2013-08-25
Goldstream Valley	GSV	Alaska,U.S.A.	64.9216N	147.9370W	302	From 1999-01-01 to 2013-08-25
Golfito	FITO	Costa Rica,Costa Rica	8.6250N	83.1540W	21	
Golfito	EDAD	Costa Rica,Costa Rica	8.6520N	83.1658W	497	
Golfpark Waldkirch, SG	SGT18	Switzerland	47.4672N	9.2442E	570	From 2018-06-21
Golhisar	GOLH	Turkey	37.2369N	29.5611E	1090	From 2005-03-25
Golis@17e	GOLS	Slovenia	46.0108N	15.6245E	559	
Golmarmara-Manisa	GOMA	Turkey	38.7076N	27.9173E	115	From 2012-09-04
Golondrinas	GOLV	Ecuador	0.2082N	79.1370W	404	From 2008-07-25
Golovnino	GLVR	Sakhalinskaya Oblast',Russia	43.7386N	145.5193E	10	From 2011-09-20
Golpazari	GLP	Turkey	40.2889N	30.3094E	560	From 1970-07-01
Golpazari	GPA	Turkey	40.2889N	30.3094E	560	From 1970-07-01
Goma	GOM	Democratic Republic of the Congo	1.6812S	29.2267E	1470	
Gomez Farias	GTIG	Tamaulipas	23.0669N	99.1691W	363	From 2014-05-19
Gonabad	GNKF	Iran	34.5000N	58.4000E	0	
Gonen	GET	Turkey	40.1083N	27.5667E	590	From 1978-09-01 to 1984-03-31
Gonen-Balikesir	GONE	Turkey	40.0466N	27.6860E	142	From 2008-06-27
Gongen	GON	Kagoshima,Japan	31.5825N	130.6858E	270	
Gongju	KSKOJ	Republic of Korea	36.4706N	127.1446E	100	From 2006-12-30
Gongju-si	KOJ2	Republic of Korea	36.4708N	127.1447E	92	From 2011-12-19
Gonnosfanadiga (VS)	SU14	Sardinia	39.4445N	8.6528E	955	From 2015-01-07 to 2015-09-04
Gonzaga	SGCP	Luzon,Philippines	18.2419N	122.0458E	210	
Gonzaga (MN)	T0825	Italy	44.9730N	10.8469E	6	From 2012-05-29 to 2012-08-09
Gonzales	VGZ	British Columbia,Canada	48.4139N	123.3240W	68	From 1982-03-23
Gonzanam	GONZ	Ecuador	4.2370S	79.3946W	3128	From 2012-08-23
Goochland	GHV	Virginia,U.S.A.	37.7942N	78.1073W	107	From 1978-10-10
Good Intent, Atchison	P36A	Kansas,U.S.A.	39.6204N	95.2060W	313	From 2010-05-28 to 2012-03-14
Goodland	D36A	Minnesota,U.S.A.	47.1765N	93.1645W	434	From 2010-08-28 to 2012-08-09
Goodnow Flow	GNF	New York,U.S.A.	43.9152N	74.2302W		From 1983-10-01
Goodrich Way Fremont	C034	California,U.S.A.	37.5728N	121.9633W	15	From 2010-03-15
Goodsprings	V11A	Nevada,U.S.A.	35.8384N	115.4305W	1117	From 2006-06-16 to 2008-10-14
Goomalling	GOO	Western Australia	31.3940S	116.8520E	300	
Goonhilly	CGH1	England,United Kingdom	50.0507N	5.1649W	97	From 1981-01-01
Gopapur,Odisha	GPUR	Orissa	20.4117N	85.2935E	64	From 2015-12-12
GO Pecny, Ondrejov, Czech Republic	GOPC	Czech Republic	49.9140N	14.7870E	484	From 2009-06-01
Gorafe	GORA	Spain	37.4793N	3.0417W	868	
Gorakhpur	GKPR	India	26.7381N	83.4386E	63	From 2018-01-19
Gordes-Manisa	GORD	Turkey	38.9088N	28.1769E	744	From 2018-05-03
Gordon	GO-	Nebraska,U.S.A.	42.6328N	102.2739W	1097	From 1962-12-28 to 1963-03-21
Gordon	GO-NB	Nebraska,U.S.A.	42.6328N	102.2739W	1097	From 1962-12-28 to 1963-03-21
Gordon Butte	VGB	Oregon,U.S.A.	45.5157N	120.7780W	729	
Gordon Butte	VGBM	Oregon,U.S.A.	45.5157N	120.7780W	729	
Gordon, Harris	R36A	Kansas,U.S.A.	38.3237N	95.5040W	354	From 2010-03-28 to 2012-03-10
GORE	GORE	Germany	52.9887N	11.3058E	-218	
Gorelyy	GRL	Kamchatskaya Oblast',Russia	52.5519N	158.0733E	1250	
Gorenja Brezovica	GBAS	Slovenia	45.9348N	14.4423E	538	
Gorgoglione (MT)	TT08	Italy	40.3491N	16.1822E	510	From 2015-01-21 to 2016-02-24
Gorgona, Isla Gorgona	GR1C	Colombia	3.0027N	78.1668W	39	From 2013-12-05
Gori	GOR	Georgia,Georgia	41.9855N	44.1088E	648	From 1932-01-01
Goris	GRS	Armenia	39.5000N	46.3333E	1399	From 1951-01-01
Gorizia	FGRZ	Italy	45.9400N	13.6200E	59	From 2010-07-28
Gorje	GRJ	Slovenia	46.3833N	14.0833E	600	
Gorjuse	GORS	Slovenia	46.3170N	13.9950E	1086	From 2004-07-01
Gorka Klasztorna	GKP	Poland	53.2697N	17.2367E	115	From 2004-05-28
Gorkha	GKN	Nepal	28.0030N	84.6370E	1478	From 1983-07-01
Gornja Briga	GBRS	Slovenia	45.5311N	14.8101E	610	From 2007-04-05
Gornji Cirnik	GCIS	Slovenia	45.8672N	15.6275E	320	From 2003-08-11
Gorno-Altaysk, Altai Republic, Russia	GALT	Altayskiy Kray,Russia	51.9590N	85.9460E	303	From 2012-08-27
Gornotaezhnoe	GRTS	Primorskiy Kray,Russia	43.7000N	132.1500E	220	From 1990-07-01
Gornotajezhnoje	GRTR	Primorskiy Kray,Russia	43.7073N	132.1565E	263	From 2006-07-24
Gornovodnoe	GRVS	Primorskiy Kray,Russia	43.7000N	134.7330E	270	From 1988-07-01
Gornoye	GRYR	Krasnodarskiy Kray	44.1165N	41.0936E	740	From 2017-11-12
Gornyy	GOY	Sakhalinskaya Oblast',Russia	44.9167N	147.5670E		
Gornyy	GRNR	Khabarovskiy Kray,Russia	50.7690N	136.4220E	450	
Goroka	GRK1	Papua New Guinea	6.0700S	145.3940E	1695	
Goroka	GRK	Papua New Guinea	6.0756S	145.3950E	1579	From 1968-01-25 to 1970-03-12
Goroka	GKA	Papua New Guinea	6.0583S	145.3920E	1634	From 1970-03-01 to 1972-11-22
Gorontalo	GTOI	Moluccas,Indonesia	0.6358N	123.0105E	0	From 2005-01-01
Gorreto	GORR	Italy	44.6070N	9.2930E	621	From 2012-03-15
Gorron	GRR	Pays de la Loire,France	48.3883N	0.8583W	220	
Gortina	GOR1	Crete,Greece	35.0582N	24.9628E	161	From 2012-09-01
Goryachinsk	GORB	Buryatiya	52.9860N	108.2850E	480	From 2011-07-24
Gosan	KSGOS	Republic of Korea	33.2938N	126.1628E	71	From 2002-10-29
Gosang-Q330s	GOS2	Republic of Korea	33.3002N	126.2061E	100	From 2015-10-01
Gosan-ri	GOS1	Republic of Korea	33.3003N	126.2100E	84	From 2011-12-01
Goseong	KOSB	Republic of Korea	38.6028N	128.3596E	62	From 2018-03-09
Gosnell	GNAR	Missouri,U.S.A.	35.9652N	90.0178W	71	
Gosnell High Sch.	GSAR	Missouri,U.S.A.	35.9618N	89.9694W	0	
Goteborg	GOT	Sweden	57.6983N	11.9783E	66	
Goteborg	NE01	Sweden	57.8010N	12.1320E	55	From 1983-02-01 to 1986-01-31
Gotemba	GTN	Shizuoka,Japan	35.3167N	138.9330E		
Gotland	GOTU	Sweden	57.6855N	18.5700E	50	From 2002-03-05
Gotsu	JGT	Shimane,Japan	35.0287N	132.3343E	50	
Gottingen	GTT	Niedersachsen,Germany	51.5464N	9.9642E	272	From 1899-01-01 to 2005-06-17

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Gottingen	GTTG	Germany	51.5451N	9.9647E	279	From 2006-01-18
Gotvand	GTMR	Iran	32.4705N	49.1123E	481	From 2018-05-16
Gould Hall	GOU	Alaska,U.S.A.	61.1892N	149.8000W	71	From 1994-08-01
Goulmima	GOLM	Morocco	31.7040N	4.9520W	1246	
Goumenissa	GOU1	Greece	40.9474N	23.4490E	100	From 2008-09-30
Goura	GUR	Greece	37.9363N	22.3423E	1081	From 2006-04-12
Gourbit	GRBF	Midi-Pyrenees,France	42.8413N	1.5367E	878	From 1989-01-01
Govalcot	GOV	Maharashtra,India	17.5400N	73.4883E	1	
Government House	GHSS	South Australia,Australia	34.9194S	138.6017E	42	From 2009-01-01
GOVORA	RMVG	Romania	45.0364N	24.2843E	260	From 2008-03-13
Gowlland Point	GOWB	British Columbia,Canada	48.7369N	123.1848W	29	
Goynuk	GYN	Turkey	40.3533N	30.7264E	1279	From 1991-01-01 to 1993-09-01
Goytkh	GOYR	Krasnodarskiy Kray	44.2471N	39.3770E	300	From 2015-09-29
Gozaisho	GOZ	Mie,Japan	35.0153N	136.4260E	1150	From 1963-10-01 to 1965-12-31
Gozaisho	GZS	Mie,Japan	35.0153N	136.4260E	1150	From 1963-10-01 to 1965-12-31
Graceland, Paris	P45A	Illinois,U.S.A.	39.5277N	87.7439W	193	From 2011-11-16
Gracelyn & Ava, Whitmire	X55A	South Carolina,U.S.A.	34.4701N	81.6336W	153	From 2013-02-06
Grace West	PGWM	California,U.S.A.	35.1838N	120.6270W	148	
Graciosa	PGRA	Azores,Portugal	39.0293N	27.9813W	245	
GRACIOSA ISLAND INFRASONIC ARRAY REFERENCE POINT	I42PT	Azores,Portugal	39.0423N	28.0055W	284	From 2010-11-09
Grady	250A	Alabama,U.S.A.	31.9778N	86.2677W	152	From 2012-01-22
Graechen Ausblick	SGRA	Valais,Switzerland	46.1936N	7.8356E	1591	From 2010-12-21
Graenufjoll	IGFL	Iceland	63.5265N	19.1101W	710	From 2016-10-01
Graesoe	GRAU	Sweden	60.3342N	18.5396E	100	From 2001-12-19
Grafenberg	GRFO	Bayern,Germany	49.6909N	11.2203E	384	From 1978-10-01
Grafenberg	GG-GR	Bayern,Germany	49.6922N	11.2153E	525	From 1965-03-02
Grafenberg Ar.	GG-	Bayern,Germany	49.6922N	11.2153E		From 1965-03-02
Grafenberg Ar.	SB-	Bayern,Germany	49.6919N	11.2217E	500	From 1965-03-02
Grafenberg Array	GRA3	Bayern,Germany	49.7623N	11.3193E	455	From 1976-03-01
Grafenberg Array	GRA2	Bayern,Germany	49.6550N	11.3600E	512	From 1976-03-01
Grafenberg Array	GRB2	Bayern,Germany	49.2712N	11.6691E	552	From 1978-01-01
Grafenberg Array	GRA1	Bayern,Germany	49.6919N	11.2217E	500	From 1976-03-01
Grafenberg Array	GRF	Bayern,Germany	49.6919N	11.2217E	500	From 1965-03-02
Grafenberg Array	GRC4	Bayern,Germany	49.0870N	11.5270E	503	
Grafenberg Array	GRC3	Bayern,Germany	48.8904N	11.5851E	438	From 1979-01-01
Grafenberg Array	GRC2	Bayern,Germany	48.8680N	11.3750E	445	
Grafenberg Array	GRC1	Bayern,Germany	48.9960N	11.5220E	512	From 1979-09-01
Grafenberg Array	GRB3	Bayern,Germany	49.3439N	11.8065E	517	From 1978-01-01
Grafenberg Array	GRB4	Bayern,Germany	49.4688N	11.5615E	507	From 1978-01-01
Grafenberg Array	GRA4	Bayern,Germany	49.5655N	11.4359E	503	From 1978-01-01
Grafenberg Array	GRB1	Bayern,Germany	49.3922N	11.6537E	494	From 1978-01-01
Grafenberg Array	GRB5	Bayern,Germany	49.1111N	11.6789E	525	From 1979-01-01
Grafton	GFN	New York,U.S.A.	42.7928N	73.4153W	518	From 1971-10-01 to 1976-07-28
Grahamstown	GRM	Cape Province,South Africa	33.3133S	26.5083E	610	From 1967-11-03
Grahamstown	GRH	Cape Province,South Africa	33.3100S	26.5750E	558	
Grahamstown, Eastern Cape	GRHM	South Africa	33.2768S	26.3766E	615	From 2016-10-15
Graiana	GRAM	Italy	44.4913N	10.0658E	850	From 1999-04-01
Gramalote, Santander	GRMC	Venezuela	7.7180N	72.8040W	1275	From 2010-07-01
Granada	EXGRA	Spain	37.1929N	3.6052W	702	
Granada	EXCAB	Spain	37.1772N	3.5925W	770	From 2015-01-01
Granada	HR20	Spain	37.1146N	3.0388W	-900	From 2009-07-01 to 2010-12-01
Granada	NADN	Nicaragua	11.7488N	86.0323W	115	
Granada	NE14	Spain	37.1900N	3.5950W	774	From 1983-05-01 to 2001-07-28
Granadilla de Abona, Tenerife	CGRA	Canary Islands	28.1043N	16.5322W	270	From 2017-03-23
Granastaoir	IGRA	Iceland	65.9180N	17.5790W	24	From 1993-10-21
Granatula de Calatrava, Ciudad Real	PSIM	Spain	38.8202N	3.7564W	730	From 2016-09-28
Granbergs Dal	GBD	Sweden	59.4570N	14.5540E	150	From 1980-01-01 to 1991-12-31
Grand Ballon	GBF	Alsace,France	47.9027N	7.0990E	1350	
Grand-Bara	GBR	Djibouti	11.1520N	42.4630E	625	From 1981-05-04
Grand Bay	DGBT	Dominica	15.2390N	61.3290W	70	
Grand Be	GBMF	Martinique,France	14.7973N	61.1648W	800	
Grand Canyon	GCAZ	Arizona,U.S.A.	36.0440N	112.1280W	2294	From 1987-01-01
Grand Canyon West Ranch, Meadview	V13A	Arizona,U.S.A.	35.8522N	113.9840W	1402	From 2007-03-10 to 2008-10-17
Grand Cayman	GCM	Cayman Islands	19.2890N	81.3810W	5	From 1984-11-01 to 2000-12-31
Grand Coulee	GCW	Washington,U.S.A.	47.9414N	118.9800W	462	
Grand County Courthouse, Moab, UT	MGCU	Utah,U.S.A.	38.5743N	109.5482W	1241	From 2011-10-21
Grande Dixence	DIX	Switzerland	46.0801N	7.4082E	2410	From 1999-01-19
Grande-Etoile	GELF	Provence-Cote d'Azur,France	43.3836N	5.4275E	550	
Grandfather Mountain	GFM	North Carolina,U.S.A.	36.1110N	81.8070W	1726	From 1982-05-27
Grand Junction	GJC	Colorado,U.S.A.	39.0906N	108.5269W	1445	
Grand Junction, N16	NCR16	Colorado	39.1461N	108.5936W	1439	
Grand'Maison	GDM	Rhone-Alpes,France	45.2038N	6.1163E	1574	
Grand Marais	C39A	Minnesota,U.S.A.	47.8171N	90.1289W	341	From 2010-09-18 to 2012-08-11
Grand Marais Airport, Grand Marais	E44A	Michigan,U.S.A.	46.6199N	85.9214W	282	From 2011-09-21
Grand Rapids	GP-MN	Minnesota,U.S.A.	47.6644N	93.4894W	427	From 1964-09-02 to 1964-12-01
Grand Rapids	GP-	Minnesota,U.S.A.	47.6644N	93.4894W	427	From 1964-09-02 to 1964-12-01
Grand Remous	GRQ	Quebec,Canada	46.6067N	75.8600W	290	
Grand Saline	GA-TX	Texas,U.S.A.	32.6569N	95.7044W	-86	
Grand Saline	GA2TX	Texas,U.S.A.	32.6581N	95.7036W	119	
Grand Saline	GA3TX	Texas,U.S.A.	32.6597N	95.7036W	-94	
Grand Targhee Resort	TARW	Wyoming,U.S.A.	43.7638N	110.9910W	2091	From 1986-01-01
Grand Turk	GRTK	Turks and Caicos Islands	21.5115N	71.1327W	12	
Grand View Acres	T58A	Virginia,U.S.A.	36.9454N	78.5338W	167	From 2013-03-18
Grandview Point	GRAI	Idaho,U.S.A.	43.8093N	111.3360W	2231	
Grandview, S23	SCR23	Colorado	37.2346N	107.8096W	2113	
Grand Wintersberg	GWF	Alsace,France	48.9775N	7.6219E	580	From 1980-07-01
Grange	GNG	Trinidad and Tobago	11.1770N	60.7980W	36	
Granges-Gontardes	GGF	Rhone-Alpes,France	44.3667N	4.7667E	110	
Grangeville	F11A	Idaho,U.S.A.	45.8883N	116.1549W	1186	From 2006-11-04 to 2008-07-15
Granite Bay	GBY	Alaska,U.S.A.	60.4322N	147.9780W	495	From 1985-07-12
Granite Butte	GBM	Montana,U.S.A.	46.8593N	112.4560W	2237	From 1974-10-09 to 1976-10-04
Granite Butte, Montana	GBMT	Montana	46.8592N	112.4568W	2235	From 2017-08-24
Granite Creek	YUK5	Yukon Territory,Canada	61.1315N	137.8593W	1619	From 2010-08-23
Granite Creek	GCC	California,U.S.A.	37.0300N	121.9970W	122	From 1965-01-01
Granite Creek	GRNC	Alaska,U.S.A.	60.7319N	141.7538W	2116	
Granite Mountain	L18K	Alaska,U.S.A.	62.2195N	156.6886W	329	From 2017-05-10
Granite Mountain	GMA	Alaska,U.S.A.	65.4287N	161.2320W	860	From 1970-09-17 to 1978-03-25
Granite Mountain	GMU	Utah,U.S.A.	40.5755N	111.7630W	1829	From 1970-08-01
Granite Mountain	H17K	Alaska,U.S.A.	64.9370N	159.9126W	396	From 2017-07-11
Granite Mountains Research Center, Essex	GMRC	California,U.S.A.	34.7846N	115.6599W	1326	From 2006-04-04
Granite Pass	GRP	California,U.S.A.	34.8043N	115.6050W	1238	
Granite Peak	LGPM	California,U.S.A.	40.9125N	122.8290W	1290	From 1982-10-01
Granite Springs	M61A	New York,U.S.A.	41.3104N	73.7673W	190	From 2013-05-30
Graniteville	GVS	South Carolina,U.S.A.	33.5970N	81.8528W	100	From 1974-05-20 to 1976-08-09
Granja Avicola del Valle, Pronaca, San Luis, Puembo, Quito, Ecuador	PUEM	Ecuador	0.1383S	78.3691W	2403	From 2017-07-12
Granollers	CGRN	Spain	41.6070N	2.2884E	153	From 2008-04-24
Gran Sasso	GIGS	Italy	42.4500N	13.5690E	1000	From 2003-02-24
Grant County #2	GC02	Oklahoma,U.S.A.	36.8515N	97.8596W	354	From 2014-11-05
Grant Creek	GRCI	Idaho,U.S.A.	43.9667N	113.9890W	2341	From 1983-11-01
Grantham	GRAN	South Africa	32.3020S	22.1710E	866	From 2012-09-29
Grant Side Rd.	KB3O	Ontario,Canada	45.3783N	76.1509W	95	From 2013-10-01
Grantsville	GS-MD	Maryland,U.S.A.	39.6189N	79.1833W	762	
Grantsville	GS-	Maryland,U.S.A.	39.6189N	79.1833W	762	
Grant Village	H17A	Wyoming,U.S.A.	44.3951N	110.5762W	2400	From 2007-10-03
Grant Village	YPGV	Wyoming,U.S.A.	44.3808N	110.5453W	2430	
Grapevine	GVN	California,U.S.A.	36.9999N	117.3435W	844	From 1978-11-28
Grapevine	GV-TX	Texas,U.S.A.	32.8858N	96.9983W	152	From 1962-06-02 to 1965-12-31
Grapevine	GV-	Texas,U.S.A.	32.8858N	96.9983W	152	From 1962-06-02 to 1965-12-31
Grapevine Ranger Station, Death Valley	GRAC	California,U.S.A.	36.9961N	117.3662W	689	From 2001-04-18
Grass Mountain	SXI1	Taiwan region	25.0942N	121.8754E	745	From 2013-10-23
Grass Mountain	GSM	Washington,U.S.A.	47.2032N	121.7940W	1305	From 1970-06-11
Grass Mountain	VGMM	Oregon,U.S.A.	43.5923N	122.5460W	1561	
Grassy Mountain	GMG	Georgia,U.S.A.	34.8627N	84.6703W	1097	From 1985-11-01
Gratio	GRT	Tennessee,U.S.A.	36.2640N	89.4250W	137	
Graus	EGRA	Spain	42.1952N	0.3160E	706	From 1990-12-12
Gravata	GRBR	Pernambuco,Brazil	8.2273S	35.6401W	470	From 2007-01-01
Gravel Pit	MGPM	California,U.S.A.	37.6264N	118.9025W	2190	
Gravette	U38A	Arkansas,U.S.A.	36.4394N	94.3857W	389	From 2010-06-16 to 2012-02-19
Gray	T51A	Kentucky,U.S.A.	36.9655N	83.9454W	329	From 2012-05-31

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Grayback Hills BLM, Clive	N14A	Utah,U.S.A.	40.8513N	113.1867W	1325	From 2007-02-20 to 2008-08-20
Gray Butte	LGBM	California,U.S.A.	41.3452N	122.1940W	2304	
Gray Hill	HGH	England,United Kingdom	51.6380N	2.8064W	210	From 1980-01-01
Grayling	GRLA	Alaska,U.S.A.	62.9063N	160.0626W	31	
Grayling	GLMI	Michigan,U.S.A.	44.8245N	84.6174W	387	From 2006-08-10
Grayling Creek	GCR	Montana,U.S.A.	44.7962N	111.1060W	2075	From 1973-01-01
Grays Lake	GRRI	Idaho,U.S.A.	42.9380N	111.4220W	2207	
Grayson	242A	Louisiana,U.S.A.	32.0617N	92.1521W	57	From 2011-02-21 to 2012-11-13
Graz	GRA	Austria	47.0767N	15.4483E	369	
Gr delle femmine	EGFM	Sicily,Italy	37.8197N	15.0210E	1700	From 1994-10-01
Great Barrier	GBZ	North Island,New Zealand	36.2160S	175.4814E	70	From 1967-10-14 to 1990-05-20
Great Barrier Island	GRZ	North Island,New Zealand	36.2502S	175.4578E	80	From 2010-05-13
Great Rift	GTRI	Idaho,U.S.A.	43.2440N	113.2410W	1547	From 1992-01-01
Great Sand Dunes National Park	SDCO	Colorado,U.S.A.	37.7456N	105.5012W	2569	From 2002-07-11
Great Sitkin	AD1	Alaska,U.S.A.	52.0233N	176.1520W	244	From 1974-01-01 to 1992-02-01
Great Sitkin Cape Kiugilak	GSCK	Alaska,U.S.A.	52.0119N	176.1620W	384	
Great Sitkin Middle Yoke	GSMY	Alaska,U.S.A.	52.0432N	176.0563W	418	
Great Sitkin Saddle Point	GSSP	Alaska,U.S.A.	52.0928N	176.1757W	295	
Great Sitkin Teapot Rock	GSTR	Alaska,U.S.A.	52.0943N	176.0591W	536	
Great Sitkin Triple Divide	GSTD	Alaska,U.S.A.	52.0559N	176.1447W	873	
Great Whale R.	GWR	Quebec,Canada	55.2767N	77.7433W	20	From 1972-09-14
Great Whale River	GWC	Quebec,Canada	55.2917N	77.7533W	8	From 1965-09-27 to 1972-09-01
Greaves Creek	GRVM	New South Wales,Australia	33.6618S	150.3091E	980	
Grecia	GREC	Costa Rica,Costa Rica	10.0740N	84.3090W	1016	
Greenacres	MGOO	Washington,U.S.A.	47.6482N	117.1490W	637	From 2014-01-29
Greenback	GRBT	Tennessee,U.S.A.	35.6740N	84.1970W	329	
Greenback	GBTN	Tennessee,U.S.A.	35.6660N	84.2110W	326	From 1983-03-23 to 2006-07-06
Green Bank	GBV	West Virginia,U.S.A.	38.4300N	79.8438W	826	From 1976-11-15
Greenbrier Site X102	X102	Arkansas,U.S.A.	35.3798N	92.3115W	206	
Greenbrier Site X201	X201	Arkansas,U.S.A.	35.2927N	92.3623W	207	
Greenbrier Site X301	X301	Arkansas,U.S.A.	35.2386N	92.4002W	112	
Greenbush Farm, Park River	B31A	North Dakota,U.S.A.	48.4236N	97.6495W	279	From 2010-08-12 to 2012-06-23
Greendale, DAR8	DARN8	South Island	43.5962S	172.0812E	127	
Green Forest	U39A	Arkansas,U.S.A.	36.3823N	93.4805W	433	From 2011-01-26 to 2012-10-30
Green Hill Farm, Brenham	537A	Texas,U.S.A.	30.0799N	96.3155W	92	From 2010-01-31 to 2011-11-05
Green Lake	GLKZ	Kermadec Islands,New Zealand	29.2620S	177.9203W	30	From 2009-06-01
Greenland Icesheet	ICESG	Greenland	69.0900N	39.6500W	2931	From 2011-07-07
Green Mountain	GNW	Washington,U.S.A.	47.5644N	122.8253W	165	
Green Mt Res., N05	NCR05	Colorado	39.8897N	106.3096W	2439	
Green Oak Ranch	GORC	California,U.S.A.	33.1537N	117.2292W	138	
Green Oak Ranch, Vista	VSTC	California,U.S.A.	33.1537N	117.2292W	138	From 1975-01-01
Greenough	D14A	Montana,U.S.A.	47.0816N	113.5062W	1444	From 2006-10-04 to 2009-07-16
Green Peter	VGPM	Oregon,U.S.A.	44.4833N	122.5820W	1212	
Greenpond	GPD	New Jersey,U.S.A.	41.0177N	74.4608W	360	
Green River Community College BBO	GRCC	Washington,U.S.A.	47.3116N	122.1807W	130	From 2004-09-01
Greensboro	148A	Alabama,U.S.A.	32.6469N	87.5710W	63	From 2012-01-16
Greensboro	GBG	Georgia,U.S.A.	33.4985N	83.2112W	173	From 1978-02-01
Greensboro	GBNC	North Carolina,U.S.A.	36.0678N	79.7450W	236	
Greensboro	Q60A	Maryland,U.S.A.	39.0016N	75.8429W	14	From 2013-05-28
Greensprings	IP04	Virginia,U.S.A.	38.0922N	78.0942W	166	
Green Top	GTTN	Tennessee,U.S.A.	35.8120N	83.6670W	917	
Greenvale	GVL	Victoria,Australia	37.6186S	144.9006E	187	From 1976-01-01 to 2009-09-03
Green Valley	217A	Arizona,U.S.A.	31.7748N	110.8162W	1412	From 2007-03-03 to 2008-12-06
Green Valley Road	GVR	California,U.S.A.	38.2807N	122.2150W	257	From 1971-04-30
Green Verdugo Microwave Site, Sunland	DECC	California,U.S.A.	34.2535N	118.3338W	519	From 2000-08-10
Greenville	GRV	Missouri,U.S.A.	37.0533N	90.3950W	168	From 1964-01-01 to 1974-12-31
Greenville	T43A	Missouri,U.S.A.	37.0833N	90.2878W	167	From 2011-07-24 to 2013-04-15
Greenville	P60A	Delaware,U.S.A.	39.8113N	75.6358W	105	From 2013-04-28
Greenville	GH-MS	Mississippi,U.S.A.	33.3292N	91.0353W	30	
Greenville	GEDE	Delaware,U.S.A.	39.8113N	75.6358W	105	From 2016-02-01
Greenwater Valley	GWV	California,U.S.A.	36.1867N	116.6710W	1540	From 1978-07-24 to 1988-02-16
Greenwater Valley	GWY	California,U.S.A.	36.1860N	116.6689W	1556	From 1988-04-01
Greenwich	GWJ	Jamaica	18.0740N	76.7280W	1200	
Greenwood	GWDE	Delaware,U.S.A.	38.8256N	75.6171W	19	From 1995-08-29 to 2001-06-29
Greenwood	L56A	New York,U.S.A.	42.1365N	77.5591W	688	From 2013-08-17
Gregorio Matese	SGG	Italy	41.3867N	14.3788E	880	From 1977-01-01
Grenada	LGRM	California,U.S.A.	41.6392N	122.4805W	780	
Grenada	GRE	Grenada	12.0470N	61.7460W	15	From 1952-12-21
Grenada, Carriacou, Mt. Pleasant	GCMP	Grenada	12.4860N	61.4260W	39	From 2014-03-17
Grenada Fort Frederick, Mt. Wheldale, St. Georges	GRFF	Grenada	12.0492N	61.7376W	223	From 2014-03-04
Grenoble	GRN*	Rhone-Alpes,France	45.1833N	5.7000E	244	
Grenoble	GRN	Rhone-Alpes,France	45.2425N	5.7452E	1040	From 1980-02-01
Grenville	GRGR	Grenada	12.1324N	61.6540W	195	
Grenville Island	GRNB	British Columbia,Canada	53.8468N	129.9575W	461	From 2014-08-24
Gresham	PGO	Oregon,U.S.A.	45.4667N	122.4530W	237	From 1982-06-01
Gresik	GRJI	Jawa,Indonesia	6.9145S	112.4793E	0	From 2007-12-01
Greta Valley South Island, New Zealand	GVZ	South Island,New Zealand	42.9674S	173.0348E	400	From 2012-06-30
Gretna	GAN	Nebraska,U.S.A.	41.0214N	96.2469W	335	From 1977-12-13 to 1979-10-30
Grevena	GRE3	Greece	40.0848N	21.4383E	533	From 2011-06-15
Greybull	H20A	Wyoming,U.S.A.	44.4868N	107.9990W	1236	From 2008-07-26 to 2010-09-14
Greycliff	GCMT	Montana,U.S.A.	45.7912N	109.6672W	1530	
Greymouth	GRY	South Island,New Zealand	42.4483S	171.2151E	3	From 1932-11-01 to 1942-10-31
Gribbell Island, BC, CAN	GRIB	British Columbia	53.3385N	129.1383W	418	From 2017-08-30
Griffith Obs. 2	GR2C	California,U.S.A.	34.1182N	118.3003W	342	
Griffith Observatory	GOC	California,U.S.A.	34.1130N	118.3020W	347	From 1965-06-01
Griffith Park	GFP	California,U.S.A.	34.1293N	118.3100W		From 1975-04-01
Grimsel Gerstenegg	GRIMS	Switzerland	46.5781N	8.3189E	1746	From 2011-08-01
Grimsey	IGRI	Iceland	66.5420N	18.0100W	36	From 1994-01-21
Grimsfjall	IGRF	Iceland	64.4070N	17.2670W	1710	From 2001-05-08
Grimsstaoir	IGRS	Iceland	65.6380N	16.1240W	378	From 1996-02-15
Grindav??k	IGRV	Iceland	63.8572N	22.4558W	52	From 1997-03-03
Grindle Hills	GRIN	Alaska,U.S.A.	60.2810N	143.3190W	625	
Grindstone Mountain	GROR	Oregon,U.S.A.	45.3513N	123.6620W	945	From 1986-05-01
Grisciano 1	MZ098	Italy	42.7309N	13.2703E	700	From 2016-10-11 to 2016-10-25
Grisciano 2	MZ106	Italy	42.7366N	13.2693E	699	From 2016-10-13 to 2016-10-25
Grise Fiord	GFNU	Nunavut,Canada	76.4180N	82.8998W	12	
Grisolia	GRIS	Italy	39.7405N	15.8531E	551	From 2017-08-01
Grit	GRI*	Texas,U.S.A.	30.7778N	99.3842W	518	From 1967-05-19 to 1967-05-23
Grit	GR2	Texas,U.S.A.	30.7864N	99.4161W	549	From 1967-05-19 to 1967-05-23
Grit	GR1TX	Texas,U.S.A.	30.7778N	99.3842W	518	From 1967-05-19 to 1967-05-23
Grit	GR2TX	Texas,U.S.A.	30.7864N	99.4161W	549	From 1967-05-19 to 1967-05-23
Griva	GRVA	Komi	60.5777N	50.7814E	184	
Griva	GRG	Greece	40.9567N	22.4014E	560	From 1981-01-01
Grizzlie Mountain	GMO	Oregon,U.S.A.	44.4391N	120.9560W	1689	
Grizzly Bear Lake	GBLN	Northwest Territories,Canada	64.1995N	112.9935W	392	
Grizzly Peak	GZU	Utah,U.S.A.	41.4255N	111.9750W	2646	
Grjothals	IGHS	Iceland	65.8578N	16.6272W	405	From 2008-03-19
Grjothals	IGHA	Iceland	65.8435N	16.6629W	396	From 2009-09-30
Grmije	GMRK	Kosovo	42.6588N	21.2197E	1026	From 2013-05-05
Grobnik	GROS	Slovenia	46.4610N	15.5018E	930	
Groom Lake Road	GLR	Nevada,U.S.A.	37.1994N	116.0175W	1446	From 1975-11-20 to 2002-10-10
Groom Range	GMR	Nevada,U.S.A.	37.3338N	115.7725W	1580	From 1979-01-23 to 2002-10-10
Grossbuechelberg	MGBB	Bayern,Germany	49.9720N	12.2150E	650	From 2001-03-12
Grosserlach	A117A	Germany	49.0441N	9.5684E	494	From 2015-11-04
Grosses Roches	GSQ	Quebec,Canada	48.9100N	67.1100W	398	From 1981-10-28
Grosshau	GSH	Nordrhein-Westfalen,Germany	50.7357N	6.3796E	367	From 1981-01-01
Grossmontoni	MOSI	Italy	46.6164N	10.5495E	1957	From 2006-12-13
Grota Negra	GRON	Azores,Portugal	37.7680N	25.5333W	577	From 2006-08-10
Grotte di Bossea	GBOS	Italy	44.2416N	7.8399E	897	From 2011-10-26
Grotte du Lazaret, Nice	GLAN	Provence-Cote d'Azur	43.6908N	7.2947E	29	From 2018-09-20
Ground Anchor Farm, New Bern	W61A	North Carolina,U.S.A.	35.1773N	76.9909W	6	From 2013-04-07
Ground Zero	GZN	Nevada,U.S.A.	37.2360N	116.5160W		From 1965-01-01 to 1970-12-31
Ground Zero	ZOX	Nevada,U.S.A.	37.2360N	116.5160W		From 1965-01-01 to 1970-12-31
Grouse Hill	LGHM	California,U.S.A.	41.6115N	121.6210W	2146	
Grouse Mountain	KGMM	California,U.S.A.	40.7588N	123.6740W	1615	
Grover	N25A	Colorado,U.S.A.	40.8132N	104.0873W	1607	From 2008-07-02 to 2010-05-18
Grover	GRX	Nevada,U.S.A.	39.6355N	117.9890W	1390	From 1980-01-01
Groznyy	GROC	Russia	43.2027N	45.7961E	198	From 2008-04-15
Groznyy	GRO	Chechnya,Russia	43.3200N	45.7500E	123	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Grube Fortuna	WBFO	Hessen	50.5745N	8.4227E	211	From 2014-04-15
Gruissan	CLAF	Languedoc-Rousillon	43.1350N	3.0900E	115	From 2015-07-13
Grumento Nova (PZ)	AG51	Italy	40.2911N	15.8542E	769	From 2014-02-13 to 2016-02-09
Grundy	GD-	Virginia,U.S.A.	37.3928N	81.9778W	366	From 1962-07-21 to 1962-10-05
Grundy	GD-VA	Virginia,U.S.A.	37.3928N	81.9778W	366	From 1962-07-21 to 1962-10-05
Gruta Xavier	XAVN	Nicaragua	12.1487N	86.3263W	160	
Gruza	GRUS	Serbia	43.8886N	20.7153E	273	From 2002-05-01
Gryon	GRYON	Switzerland	46.2505N	7.1111E	1300	From 2002-10-10
GSN - IU, KOWA	KOWA2	Mali	14.4967N	4.0140W	316	
G??ttrup	GOET	Denmark	57.0350N	9.2250E	5	From 1977-01-01 to 1989-12-31
Guabo, GUA	CGUA	Costa Rica	9.3412N	83.8387W	168	From 2002-10-01 to 2003-03-15
Guacamaya	GUAC	Venezuela	10.1920N	67.2711W	1359	From 1987-06-01
Guacas, POP	CPOP	Colombia	2.4438N	76.5250W	2045	
Guadalajara	GUM	Jalisco,Mexico	20.6794N	103.3242W	1567	
Guadalajara 2	GUM2	Jalisco,Mexico	20.6667N	103.3000W	1543	
Guadaloupe-1	LZG	Guadeloupe,France	16.1408N	61.7755W	116	From 1997-01-01
Guadaloupe-2	PHG	Guadeloupe,France	16.0146N	61.6426W	981	From 2004-03-30
Guadaloupe-3	TBG	Guadeloupe,France	15.8522N	61.6455W	78	From 2004-11-26
Guadalupe	PT03	Peru	13.9917S	75.7967W	400	
Guadalupe	LUPE	Costa Rica,Costa Rica	9.9480N	84.0550W	1200	
Guadalupe Mountain	GDL2	New Mexico,U.S.A.	32.2003N	104.3640W	1213	
Guadalupe Victoria	GUVIX	Baja California	32.3029N	115.0760W	16	From 2014-06-13
Guadarrama	GUD	Spain	40.6430N	4.1540W	1393	From 1979-07-01
Guadeloupe/Martinique T-Phase Site N1	H05N1	Guadeloupe,France	16.3164N	61.0567W	268	From 2000-09-18
Guadeloupe/Martinique T-Phase Site S1	H05S1	Guadeloupe,France	14.4250N	60.8367W	6	From 2000-09-18
Guagua Pichincha Codigem	GGPC	Ecuador	0.1788S	78.5968W	4420	From 2012-06-15
Guhenno - 56071 - Morbihan - Bretagne - France	GUEF	Bretagne	47.8874N	2.6340W	132	From 2018-07-18
GUAI	GUAI	Costa Rica	10.2702N	85.5105W	49	From 1999-12-05 to 2000-06-19
Guajares	EGUA	Spain	36.8337N	3.5654W	386	From 1991-01-10
Gualaca, Chiriqui	GUAL3	Panama	8.5320N	82.2980W	146	From 2010-01-01
Gualala	GGUM	California,U.S.A.	38.8565N	123.4980W	661	
Gualdo di Macerata	GUMA	Italy	43.0627N	13.3352E	574	From 2007-10-18
Guallil	GUAL	Ecuador	3.0718S	78.8142W	3265	From 1994-07-21
Guam	GUA	Mariana Islands	13.5397N	144.9141E	287	From 1963-04-01
Guam	GUAMO	Missouri,U.S.A.	36.8892N	89.8390W	172	
Guam	GUAM	Mariana Islands	13.4717N	144.7483E		From 1914-01-01 to 1944-12-31
Guam	GUMO	Mariana Islands	13.5891N	144.8686E	99	From 1975-08-01
Guanajuato, GTO	CGTO	Mexico	32.5183N	115.3367W	8	
GUANDACOL	AGUA	La Rioja,Argentina	29.4870S	68.4910W	1075	From 1996-09-26
Guandu, BA	GDU01	Brazil	13.7200S	39.5753W	251	From 2014-04-28
Guangfu	EGFH	Taiwan region	23.6688N	121.4274E	132	From 2011-12-20
Guangzhou	GZH	Guangdong,China	23.0869N	113.3440E	11	
Guangzhou	CNT	Guangdong,China	23.0869N	113.3440E	11	
Guanica, Bosque Seco, PR	GBPR	Puerto Rico	17.9751N	66.8792W	15	From 2006-09-21
Guanoco	GUNV	Venezuela	10.1616N	62.9426W	60	
Guantanamo	GM-CU	Cuba	19.9669N	75.0872W	16	From 1963-11-19 to 1964-03-03
Guantanamo	GM-	Cuba	19.9669N	75.0872W	16	From 1963-11-19 to 1964-03-03
Guantanamo	GTMO	Cuba	20.0800N	75.1400W	0	
Guantanamo Bay	GTBY	Caribbean Sea,U.S.A.	19.9268N	75.1108W	79	
Guantanamo Bay	GBC	Cuba	19.9000N	75.1500W		
Guarapari	CAM3	Espirito Santo,Brazil	20.7288S	40.5222W	27	
Guarapari-ES	ALF01	Espirito Santo,Brazil	20.6169S	40.7252W	22	From 2011-01-30
Guarapari, ES	NAN01	Brazil	17.8442S	40.1257W	209	From 2013-09-23
Guaratinga, BA	GUA01	Brazil	16.5835S	39.8053W	198	From 2013-10-27
Guarcino	GUAR	Italy	41.7945N	13.3123E	741	From 2003-05-29
Guardamar (Alicante)	EXGUA	Spain	38.0960N	0.6570W	20	From 2009-09-01
Guardaparques de Rincn de la Vieja	GPS1	Costa Rica	10.7748N	85.3497W	846	From 2000-01-01
Guardaramiro	GDRO	Patagonia	52.2374S	73.1392W	12	From 2016-01-20
GUARDIA DEI LOMBARDI	GUA25	Italy	40.9542N	15.2093E	979	From 2018-10-06
Guardialfiera	GDFR	Italy	41.8034N	14.7971E	299	From 2018-08-22
Guarumal, Veraguas	GMAL	Panama	7.7630N	81.2330W	115	From 2010-01-01
Guaruva-PR	TIJ01	Parana,Brazil	25.3235S	49.0046W	1049	From 2011-01-30
Guasayan	GUSE	Santiago del Estero	27.8860S	64.8450W	487	From 2017-10-12
Guatemala Basin O.B.S. 2	GB02	Guatemala Basin,North Pacific Ocean	6.5569N	93.5519W	-3580	From 1979-05-01
Guatemala Basin O.B.S. 3	GB03	Guatemala Basin,North Pacific Ocean	7.8381N	94.3869W	-3730	From 1979-05-01
Guatemala Basin O.B.S. 4	GB04	Guatemala Basin,North Pacific Ocean	12.7400N	91.0161W	-5260	From 1979-06-01
Guatemala Basin O.B.S. 5	GB05	Guatemala Basin,North Pacific Ocean	12.6519N	90.9489W	-6010	From 1979-05-01
Guatemala Basin O.B.S. 6	GB06	Guatemala Basin,North Pacific Ocean	12.6939N	90.8519W	-5260	From 1979-06-01
Guatemala Basin O.B.S. 7	GB07	Guatemala Basin,North Pacific Ocean	12.7911N	90.9119W	-4460	From 1979-06-01
Guatemala Basin O.B.S. 8	GB08	Guatemala Basin,North Pacific Ocean	12.7169N	90.9369W	-5465	From 1979-05-01
Guatemala City	GCG	Guatemala	14.5862N	90.5328W	1502	From 1925-01-01
Guatemala OBS 1	GB01	Guatemala Basin,North Pacific Ocean	3.9981N	91.9981W	-2893	From 1979-05-01
Guayabo	TMIA	Costa Rica	10.7153N	85.1945W	670	
Guayabo	MICM	Costa Rica	10.7010N	85.1990W	636	
Guayabo de Bagaces	GUAB	Costa Rica	10.7075N	85.2292W	584	From 2000-01-01
Guayacanes	GUAY	Dominican Republic	18.4400N	69.4333W	0	
Guayaquil	AGUAY	Ecuador	2.0543S	79.9518W	30	From 2010-07-27
Guaymas	GYM	Sonora,Mexico	27.9100N	110.9520W	15	
Guaymas	GUYB	Sonora,Mexico	27.8985N	110.8727W	-2	From 2012-08-03
Guaynabo City	GCPR	Puerto Rico	18.3090N	66.0836W	113	From 2013-07-01
Guba	GUB	Democratic Republic of the Congo	10.6667S	26.4333E		
Gubbio	TB01	Italia	43.3816N	12.4357E	642	From 2012-07-06
Gudauri	GUDG	Georgia,Georgia	42.4646N	44.4772E	2012	From 2007-11-13
Gudauri	GUDA	Georgia,Georgia	42.2752N	44.2837E	2011	From 2007-11-13
Guelma	CGUE	Algeria	36.4500N	7.4100E	336	
Guelma	CGMA	Algeria	36.4500N	7.4100E	336	
Guerrero	CGG	Guerrero,Mexico	16.6750N	98.4575W	400	
Guerrero	LLJ	Guerrero,Mexico	16.5642N	98.8847W		
Guerrero Negro B.C.S	NE74	Baja California	28.0070N	114.0130W	21	From 2014-08-13
Guerrero, Norte de Santander	GUEC	Colombia	7.8302N	72.9247W	2430	From 2008-07-15
Guffey, N23	NCR23	Colorado	38.7610N	105.5202W	2704	
Guglionesi	GLNS	Italy	41.9120N	14.9182E	346	From 2018-08-20
Guglionesi (CB)	T1411	Italy	41.9461N	14.9258E	121	From 2018-08-17
Guia de Isora	TGUI	Canary Islands	28.1737N	16.7748W	355	From 2016-11-08
Guia de Isora, Tenerife	GUIA	Canary Islands	28.2475N	16.7208W	1821	From 2008-07-15
Guia, Gran Canaria	GGC	Canary Islands,Spain	28.1197N	15.6367W	560	From 1984-11-01
Guildford	GILD	England,United Kingdom	51.2500N	0.5833W		
GuiLin	GULI	Guangxi,China	25.2911N	110.3661E	198	From 2009-01-01
Guimar	GUI	Canary Islands,Spain	28.3208N	16.4405W	868	
Guimar, Tenerife	CGUI	Canary Islands	28.3222N	16.4425W	869	From 2013-12-20
Guinayangan	GQP	Philippines	13.9050N	122.4460E	50	
Guiratinga	GUIR	Mato Grosso	16.1985S	53.7257W	482	From 2015-09-17
Guiria	GUIV	Venezuela	10.6470N	62.2230W	50	
Guiyang	HXI	Guizhou,China	26.4586N	106.6640E	1162	
Guiyang	GYA	Guizhou,China	26.4586N	106.6640E	1162	
Guiyang	KWA	Guizhou,China	26.4586N	106.6640E	1162	
Gukeng	WGK	Taiwan region	23.6860N	120.5620E	75	
Gulagac	GULA	Turkey	38.3443N	34.2360E	1128	From 2010-06-30
Gulek	GULE	Turkey	37.2837N	34.7765E	1625	From 2006-12-01
Guler Mountain	GULW	Washington,U.S.A.	45.9242N	121.5960W	1189	From 1986-07-31
Gulfidan-Ladik(Samsun)	GULF	Turkey	40.9140N	35.8790E	930	From 2013-12-05
Gulf of Nicoya	BANE	Costa Rica	9.9292N	84.9564W	49	From 1999-12-06 to 2000-06-18
Gulkana	GUL	Alaska,U.S.A.	62.2206N	145.4514W	600	From 1964-04-11 to 1964-05-07
Gulpinar-Canakkale	GPNR	Turkey	39.4560N	26.1332E	52	From 2011-03-26
Gulveren	GULT	Turkey	40.4323N	30.5150E	930	From 1993-01-01
Gumare	GMARE	Botswana	19.3893S	22.1625E	985	
Gumba	GUN	Nepal	27.9106N	85.8794E	2900	From 1985-03-01
Gum-Bashi	GUMR	Stavropol'skiy Kray,Russia	43.7756N	42.2472E	2312	
GUMI	KSGUM	Republic of Korea	36.2347N	128.2902E	48	From 2006-12-30
Gumukmas	GMJI	Jawa,Indonesia	8.2732S	113.4441E	0	From 2007-12-01
Gumuldur	GMLD	Turkey	38.0766N	26.9156E	10	From 2011-07-24
Gumushane	GUMT	Turkey	40.4600N	39.4800E	1326	
GUNA	GUNA	Madhya Pradesh	24.6490N	77.3320E	488	From 2018-04-19
Gundaroo	GUND	New South Wales,Australia	35.0318S	149.2679E	600	From 2007-08-01
Gundogdu	GDDT	Turkey	40.3397N	29.0213E	575	From 1994-01-01
Guneyli	GNYT	Turkey	40.5638N	29.2795E	585	From 1994-01-01
Gungliau Township	TNGL	Taiwan region	25.0430N	121.9230E	12	From 2002-11-06
Gun Hill	BBGH	Barbados	13.1434N	59.5588W	180	
Gunib	GNBR	Dagestan,Russia	42.3889N	46.9639E	800	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Gunnerudssatern	GNN	Sweden	60.1336N	13.6956E	265	From 1969-01-01 to 1991-12-31
Gunnison, N28	NCR28	Colorado	38.5196N	107.0202W	2348	
Gunsan	KSKUS	Republic of Korea	36.0168N	126.8336E	58	From 2000-02-05
GUNSAN	KSGUS	Republic of Korea	36.0371N	126.7819E	33	From 2006-12-30
Gun Site Peak	GSUT	Utah,U.S.A.	41.9063N	112.1210W	1783	From 1979-10-01 to 1980-07-31
Gunungsitoli	GSI	Nias,Indonesia	1.3039N	97.5755E	107	From 2005-09-30
Gunung Srandil	SCJI	Jawa,Indonesia	7.6810S	109.1689E	45	
Gunwi	GUWB	Republic of Korea	36.1813N	128.5927E	-7	From 2016-12-16
Gunzen	GUNZ	Sachsen,Germany	50.3635N	12.3316E	669	From 2000-12-16
Gunzipadi	GNZP	Orissa	20.0920N	84.1480E	653	From 2017-09-09
Guolierlin High School	WRL	Taiwan region	23.9013N	120.3772E	97	From 2015-02-06
Guoxing	DPDB	Taiwan region	24.0334N	120.9264E	650	From 2005-01-24
Gura Zlata	GZR	Romania	45.3933N	22.7767E	850	From 1977-04-01
Guri	GUV	Venezuela	7.8086N	63.0974W	130	
Guri Network	GUV5	Venezuela	7.8944N	63.2120W	410	
Guri Network	GUV3	Venezuela	7.6009N	62.7614W	440	
Guri Network	GUV1	Venezuela	7.9478N	62.8554W	410	
Guri Network	GUV2	Venezuela	7.7816N	62.8176W	650	
Guri Network	GUV4	Venezuela	7.6083N	63.1017W	410	
Gurin_SVAS	CUGUR	Turkey	38.7237N	37.2719E	1401	From 2010-07-08
Guroymak-BITLIS	GURO	Turkey	38.5509N	42.0322E	1388	From 2011-10-29
Gusciola	GSCL	Italy	44.3506N	10.5878E	665	
Gushan	WSSB	Taiwan region	22.6418N	120.2618E	352	From 2002-12-01
Gustavo A Madero	GMVM	Mexico D.F.	19.4930N	99.1110W	2400	
Gusukube	JOGS	Ryukyu Islands,Japan	24.7600N	125.4063E	60	
Gutenstein	GUT	Baden-Wurttemberg,Germany	48.0702N	9.1147E	640	From 1997-10-14
Guthrie	V34A	Oklahoma,U.S.A.	35.8345N	97.5176W	329	From 2009-10-31 to 2011-09-03
Gut Margarthenhoehe	BD04	Nordrhein-Westfalen,Germany	50.9151N	6.5986E	80	From 2001-01-01 to 2013-09-24
Guttenberg	A350A	Germany	50.1674N	11.5708E	489	From 2015-10-23
Guttu	GTU	Himachal Pradesh,India	30.5269N	78.7477E	1880	From 2007-05-01
Guwahati	GWH	Assam,India	26.1500N	91.7300E		From 1982-12-01
GUWAHATI	GUWA	Assam,India	26.1933N	91.6914E	88	From 2011-05-01
Guyana, Caldas	GUY2C	Colombia	5.2240N	75.3650W	3605	From 2013-04-17
Guyana, Colombia	GUYC	Colombia	5.2237N	75.3902W	3600	From 2009-02-01 to 2013-04-26
Guyot Hills	GYO	Alaska,U.S.A.	60.1463N	141.4710W	183	From 1976-06-01
Guysborough	GBN	Nova Scotia,Canada	45.4078N	61.5128W	38	From 1983-05-03
Guzelce-Avcilar-Istanbul	SBT2	Turkey	40.8786N	28.5142E	-810	From 2010-11-03
Guzeripl'	GUZR	Russia	43.9963N	40.1184E	822	From 2012-06-15
Gvkgeada	GADA	Turkey	40.1909N	25.8986E	130	From 2006-07-06
Gwangju	KSKWJ	Republic of Korea	35.1599N	126.9910E	213	From 2000-12-13
Gwangju-acc	KSGWJ	Republic of Korea	35.1731N	126.8915E	0	From 2007-01-01
Gwangyang	GWYB	Republic of Korea	34.9435N	127.6915E	32	From 2012-10-19
Gweek	CGW	England,United Kingdom	50.1006N	5.2228W	9	From 1993-01-01
GYE Cami Cisne II	GYC2	Ecuador	2.2231S	79.9161W	2	From 2019-04-15
GYE Cami Kartodromo	GYKA	Ecuador	2.2597S	79.8759W	20	From 2019-04-15
GYE Cami Zumar	GYZU	Ecuador	2.0898S	79.9300W	9	From 2019-04-17
GYE Consorcio Puerto Limpio	GYPL	Ecuador	2.1173S	79.9649W	98	From 2019-04-15
GYE Interagua Guasmos	GYGU	Ecuador	2.1169S	79.8818W	6	From 2019-04-16
GYE Interagua Pantanos Secos	GYPS	Ecuador	2.2095S	79.9573W	8	From 2019-04-16
Gyeongjusannae	GSNA	Republic of Korea	35.7576N	129.0109E	195	From 2018-03-09
Gygjarholskot	IGYG	Iceland	64.2810N	20.2150W	119	From 1989-12-10
Gymnase	ELAUS	Switzerland	46.5279N	6.6221E	530	From 2008-07-03
Gyogryolbido	KSGBI	Republic of Korea	36.6250N	125.5590E	112	From 2007-12-12
Gythion	GTH2	Greece	36.7603N	22.5659E	3	
Gyula	GYL	Hungary	46.5981N	21.1718E	92	
Gyulagarak	TUNS	Armenia	40.9233N	44.4467E	1910	
Gyulaj	A266A	Hungary	46.5256N	18.2647E	219	From 2015-12-03
Gyumri	GYMZ	Armenia	40.8100N	43.8310E	1560	
Gyumri	GMRZ	Armenia	40.8100N	43.8310E	1560	From 1945-01-01
Gyzyletrek	GZLA	Turkmenistan	37.6750N	54.7650E	55	
G?zelcaml?	GCAM	Turkey	37.7002N	27.2335E	38	From 2007-05-22
Ha apai	TFUA	Tonga	19.7560S	175.0519W	53	
HAARP	HARP	Alaska,U.S.A.	62.3987N	145.1568W	581	From 2015-04-22
Habana	HAVA	Cuba	23.1058N	82.3525W	35	From 1907-02-03 to 1920-01-01
Haboro	HAB	Rumoi,Japan	44.3833N	141.7000E		
Hachijo jima	HJJ	Bonin Islands,Japan	33.1017N	139.7880E	80	
Hachijo jima 2	JHJ	Bonin Islands,Japan	33.1192N	139.7833E	153	
Hachijojimakashitate	JHCJ	Bonin Islands,Japan	33.0723N	139.7977E	170	From 2009-03-01
Hachinohe	HAC	Aomori,Japan	40.5250N	141.5270E	28	
Hachinohe 2	HACJ	Aomori,Japan	40.3972N	141.5460E	230	From 1991-03-08
Hacho	HACH	Spain	37.1890N	4.1218W	1025	
Hacienda Drive	AHDM	California,U.S.A.	39.0483N	121.0765W	483	
Hacienda Flor	ELI1	Costa Rica,Costa Rica	10.6450N	85.5528W	82	
Hacienda Las Palmas-Pichincha	HPAL	Ecuador	0.2175S	78.6514W	2750	From 2015-05-13
Hacienda Santa Mara 14	GP14	Costa Rica,Costa Rica	10.7572N	85.3450W	710	
Hacienda Santa Mara 3	GP03	Costa Rica,Costa Rica	10.7712N	85.3500W	789	
Hacienda Santa Mara 77	GP77	Costa Rica,Costa Rica	10.7628N	85.3240W	804	
Hacienda Santa Mara ref	REF1	Costa Rica,Costa Rica	10.7603N	85.3233W	769	
Hacienda Santa Martina	MT10	Metropolitana	33.2730S	70.5370W	1410	From 2017-01-20
Hacienda Tamarindo	HATA	Costa Rica	10.4343N	85.2848W	44	From 1999-12-07 to 2000-06-18
Hacifakili, Akdagmaden, YOZGAT	HACI	Turkey	39.7029N	35.7308E	1158	From 2015-03-11
Hadbat Hakran	HKNS	Saudi Arabia	22.6420N	41.7158E		
Haddam	HDM	Connecticut,U.S.A.	41.4858N	72.5232W	24	From 1974-12-23 to 1999-01-31
Hadim	HDMB	Turkey	36.9640N	32.4860E	1946	From 2003-11-05
Hadley	I34A	Minnesota,U.S.A.	44.0392N	95.8600W	509	From 2010-07-27 to 2012-05-22
Hadley Quad	HAKY	Kentucky,U.S.A.	37.1057N	86.5849W	169	From 1987-06-26
HADONG	KSHAD	Republic of Korea	35.0797N	127.7696E	60	From 2006-12-30
Hadrut	HDR	Karabakh	39.5220N	47.0310E	800	From 1998-01-01
Hadweenzic River	G24K	Alaska,U.S.A.	66.7004N	147.4754W	503	From 2016-07-20
Haedir	IHAE	Iceland	64.0261N	16.9886W	250	From 2013-09-12
Haeju	HJU	Democratic People's Republic of Korea	38.0429N	125.7253E	60	From 1978-01-01
Haenam	HANB	Republic of Korea	34.5539N	126.5689E	1	From 2015-10-01
Haenam	KSHAN	Republic of Korea	34.5727N	126.5693E	13	From 2001-09-08
Hafar Al Batin	HBTS	Saudi Arabia	28.7336N	46.0514E	337	
Haflong	HLGA	Assam,India	25.1600N	93.0167E	662	From 1984-08-01
Hagersville	HGVO	Ontario,Canada	42.9607N	80.1264W	224	
Hagfors	HFS	Sweden	60.1335N	13.6945E	296	From 1969-01-01
Hagfors Array Site A1	HFSA1	Sweden	60.1383N	13.6955E	240	
Hagfors Array Site B1	HFSB1	Sweden	60.1382N	13.7011E	225	
Hagfors Array Site B2	HFSB2	Sweden	60.1431N	13.6988E	230	
Hagfors Array Site B3	HFSB3	Sweden	60.1433N	13.6884E	240	
Hagfors Array Site B4	HFSB4	Sweden	60.1384N	13.6860E	235	
Hagfors Array Site B5	HFSB5	Sweden	60.1351N	13.6935E	240	
Hagfors Array Site C1	HFSC1	Sweden	60.1344N	13.6968E	265	
Hagfors Array Site C2	HFSC2	Sweden	60.1335N	13.6973E	260	
Hagfors New Array Site A0	HFA0	Sweden	60.1420N	13.6850E	274	
Hagfors New Array Site A1	HFA1	Sweden	60.1444N	13.6846E	294	
Hagfors New Array Site A2	HFA2	Sweden	60.1406N	13.6806E	301	
Hagfors New Array Site A3	HFA3	Sweden	60.1405N	13.6896E	265	
Hagfors New Array Site B1	HFB1	Sweden	60.1482N	13.6824E	323	
Hagfors New Array Site B2	HFB2	Sweden	60.1421N	13.6729E	341	
Hagfors New Array Site B3	HFB3	Sweden	60.1370N	13.6820E	271	
Hagfors New Array Site B4	HFB4	Sweden	60.1384N	13.6943E	266	
Hagfors New Array Site B5	HFB5	Sweden	60.1467N	13.6964E	253	
Hagfors New Array Site C2	HFC2	Sweden	60.1335N	13.6945E	296	
HAGI	HAGI	Swaziland	26.1158S	31.1895E	1262	
Ha Giang	HGVB	Vietnam	22.8358N	104.9923E	119	From 2008-01-01
Hagimishima	JHGM	Yamaguchi,Japan	34.7827N	131.1414E	19	From 2013-07-01
Hagoal	HHAG	Egypt	29.9530N	32.0990E	490	
Hagol	HAGS	Egypt	24.3794N	34.9866E	333	
Hague Volcano	HAG	Alaska,U.S.A.	55.3171N	161.9042W	503	From 1996-07-01
Haha-jima-NKT	JHHJ	Bonin Islands,Japan	26.6297N	142.1780E	110	
Haha-jima-NKT2	JHH2	Bonin Islands,Japan	26.6328N	142.1757E	108	From 2013-04-01
Hahryggur	HAH	Iceland	64.1185N	21.2828W		
Haibara	HBR	Nara,Japan	34.5028N	135.9930E	390	
Haid-Arzberg	MHAI	Bayern,Germany	50.0225N	12.1762E	550	From 2001-03-13 to 2009-02-04
Haiduan	EHD	Taiwan region	23.1488N	121.2061E	290	From 2016-06-04
Haifa	HAF	Israel	32.7790N	35.0240E	179	
Hail	HAIA	Republic of Korea	34.9444N	128.1928E	39	From 2018-03-09

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Ha'il	HILS	Saudi Arabia	27.3835N	41.7917E	1080	
Hailar	HIA	Nei Monggol Zizhiqu,China	49.2667N	119.7420E	610	From 1987-03-01
Hailar Array Beam Reference Point	HILR	China (Mainland)	49.5562N	119.7508E	720	
Hailey	HL-	Idaho,U.S.A.	43.6472N	114.2506W	1890	From 1961-10-14 to 1964-03-07
Hailey	HL-ID	Idaho,U.S.A.	43.6472N	114.2506W	1890	From 1961-10-14 to 1964-03-07
Hailey	HL2	Idaho,U.S.A.	43.5618N	114.4149W		From 1964-03-01 to 1967-12-31
Hailey	HLID	Idaho,U.S.A.	43.5625N	114.4138W	1772	From 1998-08-10
Hailey	HL2ID	Idaho,U.S.A.	43.5618N	114.4149W	1784	
Haileybury School of Mines	HSMO	Ontario,Canada	47.3708N	79.6657W	306	From 2005-07-20
Hailstone	HLJ	Utah,U.S.A.	40.6103N	111.4000W	1926	From 1992-10-22
Haines Junction	HYT	Yukon Territory,Canada	60.8250N	137.5040W	1416	
HAIS	HAIS	Kamchatskaya Oblast',Russia	60.9300N	166.8000E	175	
Haiwee	HAI	California,U.S.A.	36.1367N	117.9470W	1150	From 1929-09-11 to 1965-10-27
Haiwee Spring South	HWSM	California,U.S.A.	36.1050N	117.7610W	1436	From 1975-09-26
Haiwe Spring S	WHSM	California,U.S.A.	36.1050N	117.7610W	1436	From 1975-09-26
Hajar	HAJR	Saudi Arabia	22.8992N	39.6710E	732	
Hajjah	HAJJ	Yemen	15.6990N	43.5990E	1650	From 1994-11-01
Hakkari	HKR	Turkey	37.5780N	43.7408E	1750	From 2004-06-18
HAKKARI	HAKT	Turkey	37.5579N	43.7071E	2153	From 2005-07-04
Hakkari_Yksekova	YOVA	Turkey	37.5871N	44.2896E	1946	From 2011-11-29
Hakmana	HALK	Sri Lanka	6.0885N	80.6805E	117	From 2011-05-12
Hakodate	HAK	O shima,Japan	41.8150N	140.7583E	35	
Hakodate 2	HAKJ	O shima,Japan	41.8333N	140.7783E	80	From 1992-02-25
Hakui	JJH	Ishikawa,Japan	36.9250N	136.7817E	35	
Halaksitan	HLD	Djibouti	11.5965N	42.4323E	-75	From 1979-09-23
Halanga-Turnu Severin	RMGR	Romania	44.6627N	22.6922E	113	From 2008-08-29
Halavar	MOLS	Armenia	40.7367N	44.4167E	1960	
Halavar	AIDS	Armenia	40.7783N	44.3800E	1800	
Haldarsvik	FHV	Faeroe Islands	62.2597N	7.0984W		
Haleakala	HLK	Hawaii,U.S.A.	20.7583N	156.2479W	2132	From 1958-09-01
Haleakala	HKL	Hawaii,U.S.A.	20.7106N	156.2590W	3051	From 1975-01-01
Haleban Array Beam Reference Point	HLBN	Saudi Arabia,Saudi Arabia	23.4000N	44.5000E		
Halema`uma`u Trail	HATHI	Hawaii,U.S.A.	19.4230N	155.2610W	1082	
Hale Pohaku	HPU	Hawaii,U.S.A.	19.7808N	155.4580W	3396	From 1969-08-18
Haliburton	G53A	Ontario,Canada	45.1222N	78.6237W	333	From 2012-11-18
Halifax	HAL	Nova Scotia,Canada	44.6377N	63.5920W	64	From 1915-01-01
Halim	HALM	Morocco	31.7680N	9.4700W	0	
Hallabat	HLBJ	Jordan	32.0775N	36.3025E	827	From 1987-01-01
Halle	HLE	Sachsen-Anhalt,Germany	51.4979N	11.9569E	92	
Hallett	HTT	South Australia,Australia	33.4306S	138.9220E	708	From 1962-06-01
Halley Bay	HBA	Coats Land	75.5167S	26.6000W		
Hallie	T52A	Kentucky,U.S.A.	37.1076N	82.9852W	436	From 2012-05-15
Hallimjungang-ro	HALB	Republic of Korea	33.4019N	126.2729E	26	From 2012-12-28
Hall Mountain, Copeland	A11A	Idaho,U.S.A.	48.9580N	116.3631W	1455	From 2006-10-10 to 2008-06-12
Halls	HALT	Tennessee,U.S.A.	35.9106N	89.3395W	85	
Hall's Lagoon	HLA	New South Wales,Australia	33.5226S	150.9160E	27	
Hallstavik	HVK	Sweden	60.0090N	18.5660E	20	From 1980-01-01 to 1991-12-31
Halsa Church	NBB15	Norway	66.7435N	13.5776E	50	From 2013-08-01 to 2016-06-01
Haltingen (BS)	HALTI	Switzerland	47.6069N	7.5933E	-295	From 2006-10-01
Hamada	HMD	Shimane,Japan	34.8933N	132.0730E	21	
Hamaker Mountain	HAMO	Oregon,U.S.A.	42.0690N	121.9710W	1999	From 1993-10-06
Hamakita	JHMK	Shizuoka,Japan	34.8162N	137.7587E	-700	From 2002-01-01
Hamamatsu	HMM	Shizuoka,Japan	34.7067N	137.7233E	33	
Hamamatsu 2	HMMJ	Shizuoka,Japan	34.8558N	137.7215E	150	From 1989-03-25
Hamarinn	IHAM	Iceland	64.4802N	17.8223W	1560	From 2014-08-22 to 2015-12-15
Hambach	BD05	Nordrhein-Westfalen,Germany	50.9366N	6.4832E	90	From 2001-01-01
Hambach Funkstation	BD08	Nordrhein-Westfalen,Germany	50.8842N	6.5017E	114	From 2001-01-01
Hamburg	HAM	Hamburg,Germany	53.4651N	9.9248E	30	From 1905-01-01
Hamburg	HMB	New York,U.S.A.	42.6545N	78.8525W	290	From 1971-09-01 to 1976-07-28
Hamburger Sternwarte	HAM4	Germany	53.4794N	10.2390E	10	From 2015-03-13
Hamburg/Geomatikum	HAM3	Germany	53.5682N	9.9739E	30	From 2009-01-09
Hamdab	MRWI	Sudan	18.6388N	32.0737E	295	
Hamden	M62A	Connecticut,U.S.A.	41.4423N	72.8939W	24	From 2013-09-12
Hamedan- Ghayesh	HGHA	Iran	35.4880N	48.8569E	1995	From 2018-12-16
Hamelton Butte	VHBM	Oregon,U.S.A.	42.7858N	121.3490W	1945	
Hamer Butte	HID	Idaho,U.S.A.	43.9631N	112.1640W	1527	From 1979-08-24 to 1999-08-25
Hamhung	HHU	Democratic People's Republic of Korea	39.9273N	127.5288E	30	From 1978-01-01
Hmikon, Dlikerfeld, LU	HAMIK	Switzerland	47.2451N	8.2706E	532	From 2013-12-09
Hamilton	HMT	Alaska,U.S.A.	60.3365N	144.2610W	620	From 1977-06-01
Hamilton	HML	Ontario,Canada	43.2500N	79.8500W		
Hamilton	HNY	New York,U.S.A.	42.8318N	75.5148W	500	From 1974-07-01 to 1978-08-31
Hamilton Opening	GHOM	California,U.S.A.	39.0444N	123.5400W	687	
Hamilton Ranch	HMR	California,U.S.A.	38.1547N	121.8003W	65	From 1971-04-29
Hamilton Ranch, Breckenridge	133A	Texas,U.S.A.	32.6083N	98.9162W	418	From 2009-11-12 to 2011-09-08
Hamitkoy-Ladik(Samsun)	HKOY	Turkey	40.8920N	35.9883E	1106	From 2013-12-06
Hamley Bridge	HML1	South Australia,Australia	34.4034S	138.5889E	73	From 2007-03-28
Hamman Mousa	HAMM	Egypt	28.2763N	33.5778E		
Hammer	RHAM	Bayern,Germany	47.8040N	12.7200E	799	From 2001-04-09 to 2005-11-10
Hammerfest	HAMF	Norway	70.6424N	23.6843E	105	From 2010-06-11
Hammernes	N1R5	Norway	66.3870N	14.0330E	62	
Hammershus, Denmark	HAMD	Denmark	55.2700N	14.7690E	85	From 2018-04-04
Hamm, Michael-Ende-School	HMES	Nordrhein-Westfalen,Germany	51.6578N	7.7263E	56	From 2004-08-01
Hammonton	P61A	New Jersey,U.S.A.	39.6734N	74.7919W	22	From 2013-05-29
Hampyeong	HMPA	Republic of Korea	35.1413N	126.6176E	36	From 2018-03-09
Hamra	HMRJ	Jordan	32.0450N	36.3110E	708	
Hamren	HMNA	Assam,India	25.9233N	92.6083E		From 1985-01-01
Hamsund	N2HS	Norway	68.1033N	15.5137E	15	From 2013-08-01 to 2016-05-30
Hamta	HMTJ	Jordan	32.2208N	35.8122E	550	From 1983-09-01 to 1984-09-30
Hamyang	HAMB	Republic of Korea	35.5115N	127.7456E	95	From 2012-11-02
Hanceville	HVA	Alabama,U.S.A.	34.0264N	86.7692W	195	
Handcock Road	HRRZ	North Island,New Zealand	38.3901S	176.2838E	590	From 2007-03-22
Haney	HNB	British Columbia,Canada	49.2744N	122.5790W	185	From 1980-06-20
Haney	HNBB	British Columbia,Canada	49.2873N	122.5729W	392	From 2013-11-21
Haney	HYC	British Columbia,Canada	49.2656N	122.5730W	150	From 1975-09-01 to 1980-07-04
Hanford	HAN	Washington,U.S.A.	46.6033N	119.4670W	329	
Hanford	HAWA	Washington,U.S.A.	46.3925N	119.5326W	364	
Hanford Gable Butte	HGB	Washington,U.S.A.	46.5977N	119.4620W	165	
Hania	HANT	Tunisia	35.8333N	10.3635E	165	
Hanimaadhoo	HMDM	Maldives	6.7731N	73.1822E	0	From 2008-01-22
Hanita	HNTI	Israel	33.0830N	35.1740E	301	
Hanksville Airport, Hanksville	R17A	Utah,U.S.A.	38.4187N	110.7109W	1357	From 2007-06-26 to 2009-03-10
HANLEY	HNLY	Jammu and Kashmir	32.7780N	78.9720E	4320	From 2018-06-08
Hannah	HH2ND	North Dakota,U.S.A.	48.9442N	98.6822W	488	From 1966-05-23
Hannah	HH-	Montana,U.S.A.	48.9481N	98.6925W	1100	From 1963-07-22 to 1964-08-05
Hannah	HH-ND	Montana,U.S.A.	48.9481N	98.6925W	488	From 1963-07-22 to 1964-08-05
Hannah	HH2	North Dakota,U.S.A.	48.9442N	98.6822W	488	From 1966-05-23
Hanning Flat	WHFM	California,U.S.A.	35.6962N	118.3490W	902	
Hanno	JHU	Saitama,Japan	35.8517N	139.2817E	245	
Hanoi	HNV	Vietnam	21.0481N	105.7970E	6	
Hanover	HNH	New Hampshire,U.S.A.	43.7053N	72.2856W	180	From 1975-06-15
Han Pijesak,BIH	HAPS	Bosnia and Herzegovina	44.0862N	18.9507E	1199	
Hansel Valley	HVU	Utah,U.S.A.	41.7797N	112.7750W	1609	
Hans M'sky res	HMSA	South Africa	23.7288S	30.6680E	474	
Hanson Quary Chicago	HQIL	Illinois,U.S.A.	41.7998N	87.8534W	193	From 2013-12-28
Hans Werner Braun Residence, San Diego	HWB	California,U.S.A.	33.0262N	116.9596W	478	
Hanuchal	HNL1	Pakistan	35.8390N	74.7080E	1440	From 2012-01-01
Hanur-Agry	AGRB	Turkey	39.5755N	42.9920E	1820	From 2006-11-21
Hanwell	HANN	New Brunswick,Canada	45.8818N	66.7677W	102	From 2013-01-13
Haoxl	IHOX	Iceland	63.9114N	16.6139W	423	From 2017-10-24
HAPCHEON	KSHAC	Republic of Korea	35.5572N	128.1699E	33	From 2000-12-05
Hapcheon Acc Borehole	HACA	Republic of Korea	35.4137N	128.1018E	115	From 2015-10-01
Happy Creek Ranch, Winnemucca	M08A	Nevada,U.S.A.	41.4483N	118.3792W	1288	From 2006-02-14 to 2008-04-02
Happy Valley	D24K	Alaska,U.S.A.	69.1532N	148.8233W	292	From 2016-06-15
Haql	HQL	Saudi Arabia	29.2700N	35.0469E	285	From 1986-01-01
Haql	HAQS	Saudi Arabia	29.0500N	34.9200E	320	
Hara	HYNE	Ethiopia	9.3148N	42.0962E	1982	
HARA	HARA	Ethiopia	9.2858N	43.2782E	1905	
Harad	HRAD	Yemen	16.4167N	43.0500E	0	
Haradh	NHRD	Saudi Arabia	24.7220N	49.0150E	294	

Station Name	*Code*	*Location*	*Geographical Co-ordinates*		*Altitude m*	*Remark*
Harads	HARU	Sweden	66.1635N	20.9752E	105	From 2006-09-19
Hrmence, Route du Solitaire, VS	SHER	Switzerland	46.1853N	7.3959E	1495	From 2016-12-21
Harare	HARE	Zimbabwe	17.7000S	31.0100E	1501	
Harban	HAR1	Pakistan	35.4270N	73.6200E	2038	From 2007-09-01
Harbor Island ANSS-SMO	HART	Washington,U.S.A.	47.5838N	122.3501W	2	From 2005-02-09
Harden Midland Farm, Stronghurst	N41A	Illinois,U.S.A.	40.7077N	90.8552W	226	From 2011-08-23
Harding Lake	HDA	Alaska,U.S.A.	64.4091N	146.9482W	437	From 1977-09-01
Hardington	K33A	Nebraska,U.S.A.	42.6052N	97.0012W	507	From 2010-07-20 to 2012-05-12
Hard Times	NEV	Nevis,Saint Kitts and Nevis	17.1361N	62.5710W	244	From 1980-07-09
Hardware Ranch	HWUT	Utah,U.S.A.	41.6069N	111.5652W	1830	
Hardware Ranch	HRUT	Utah,U.S.A.	41.6073N	111.5650W	1720	
Harewood	MNSD	South Island	43.4831S	172.4587E	65	
Harewood	CACS	South Island	43.4848S	172.5299E	42	
Hargill	035Z	Texas,U.S.A.	26.4630N	98.0683W	19	From 2010-01-09 to 2011-11-20
Harich	HARI	Armenia	40.6080N	44.0000E	1980	From 1994-11-01
Harlan Ranch	PHAM	California,U.S.A.	35.8360N	120.3980W	455	
Harlequin Lake	HQN	Alaska,U.S.A.	59.4517N	138.8770W	372	From 1974-10-01
Harlowton	E18A	Montana,U.S.A.	46.5663N	109.9137W	1459	From 2007-09-14 to 2009-09-08
Harm Buss Farm, Glidden	L36A	Iowa,U.S.A.	42.1009N	94.6676W	353	From 2010-11-07 to 2012-10-21
Harmony Heights	HHI	Idaho,U.S.A.	46.4757N	116.1470W	636	From 1971-10-01 to 1974-07-15
Harness Mountain	HSO	Oregon,U.S.A.	43.5258N	123.0900W	1020	From 1990-09-20
Haroharo	HARZ	North Island,New Zealand	38.0894S	176.5022E	740	From 1992-06-16 to 2004-04-30
Harold F. Ross	AHRM	California,U.S.A.	38.8543N	121.0700W	345	From 1976-01-29
Harper NE Station	KAN12	Kansas,U.S.A.	37.2974N	97.9980W	425	From 2014-05-08
Harpers Horsepen, Conroe	538A	Texas,U.S.A.	30.2219N	95.4900W	59	From 2010-01-28 to 2011-11-10
Harper SW Station	KAN16	Kansas,U.S.A.	37.2256N	98.0647W	435	From 2015-04-15
Harpoot	HARPO	Turkey	38.7167N	39.2666E	1310	From 1907-01-01 to 1909-12-31
Harrah City Hall	OK007	Oklahoma,U.S.A.	35.4877N	97.1612W	325	
Harraiya (Basti)	HRYA	India	26.7955N	82.4875E	81	From 2018-01-20
Harre	HARN	Nepal	28.4200N	81.6700E	1230	
Harrington	F57A	Quebec,Canada	45.8122N	74.6928W	178	From 2013-07-27
Harrisburg	HBAR	Arkansas,U.S.A.	35.5550N	90.6572W	74	
Harrisburg (Southeastern Illinois College)	HAIL	U.S.A.	37.7527N	88.4373W	123	
Harrisonburg	HBV	Virginia,U.S.A.	38.4383N	78.8725W	411	From 1971-06-01
Harrison Lake South	HLSB	British Columbia,Canada	49.2836N	121.7249W	18	
Harrison Mills	HRMB	British Columbia,Canada	49.2446N	121.9391W	3	
Harrison Substation	HAO	Oregon,U.S.A.	45.5092N	122.6567W	18	
Harris Ranch	HRC	California,U.S.A.	36.7700N	121.4130W	228	
Harrisville	H48A	Michigan,U.S.A.	44.7006N	83.3249W	244	From 2012-11-05
Harry Jones Memorial, Binghamton	L58A	New York,U.S.A.	42.0447N	75.8502W	447	From 2013-07-03
Harses	AHARE	Ethiopia	11.6072N	40.8840E	447	
Harsova	HARR	Romania	44.6900N	27.9310E	118	
Harstad	N2HA	Norway	68.7838N	16.5612E	14	From 2013-08-01 to 2016-05-30
Hartford	S47A	Kentucky,U.S.A.	37.5946N	86.8779W	181	From 2012-06-07
Hartford	HAR	Connecticut,U.S.A.	41.7500N	72.6833W		From 1947-01-01 to 1954-12-31
Hartland	HTL	England,United Kingdom	50.9944N	4.4850W	91	From 1981-05-01
HartRAO	HRAO	South Africa	25.8902S	27.6859E	1375	From 2014-10-01
Hart River	J30M	Yukon Territories,Canada	64.5753N	136.3304W	1419	From 2017-07-13
Harts Bluff	HBF	South Carolina,U.S.A.	32.9331N	80.3777W	10	From 1973-03-23
Hartsel	Q23A	Colorado,U.S.A.	38.9045N	105.8337W	2774	From 2008-06-25 to 2010-06-16
Hartselle	X48A	Alabama,U.S.A.	34.4517N	87.0452W	180	From 2011-12-14
Harvey Farm, Monticello	S19A	Utah,U.S.A.	37.7459N	109.1366W	2059	From 2007-06-23 to 2009-03-06
Harwood	Q59A	Maryland,U.S.A.	38.8644N	76.6548W	34	From 2013-04-19
Hasanabad	IHSB	Iran	35.4378N	51.2757E	1119	From 1996-01-01
Hashikami	HSH	Iwate,Japan	40.4117N	141.5830E	355	
Hashim	HSHJ	Jordan	29.4210N	35.4000E	1100	From 1989-09-04
Hashtrud	IHSH	Iran	37.3050N	47.2630E	2805	From 1995-08-01
Haskell	Z32A	Texas,U.S.A.	33.3066N	99.4783W	427	From 2009-03-10 to 2011-02-10
Hasliberg/Brienz	HASLI	Switzerland	46.7568N	8.1512E	1280	From 1999-03-01
Hassan Addkhil	HAD	Morocco	31.9950N	4.4550W	1124	
Hassela	HASU	Sweden	62.1532N	16.6136E	100	From 2000-04-13
Hasselmere	SFH	England,United Kingdom	51.0604N	0.6912W	260	
Hastings	HT-	Minnesota,U.S.A.	44.8528N	92.8778W	274	From 1962-08-02 to 1962-10-05
Hastings	HT-MN	Minnesota,U.S.A.	44.8528N	92.8778W	274	From 1962-08-02 to 1962-10-05
Hastings	HAS	North Island,New Zealand	39.6382S	176.8385E	10	From 1931-02-01 to 1946-12-22
Hastings Reserve	HAST	California,U.S.A.	36.3887N	121.5514W	542	From 2004-07-19 to 2007-09-02
Hastings State Park	BHSM	California,U.S.A.	36.3558N	121.5400W	646	From 1975-09-04
Hata	HATH	Aomori,Japan	41.3011N	140.9643E	180	
Hatay	HTY	Turkey	36.1212N	36.1378E	84	
Hatay-Arsuz	ASUZ	Turkey	36.2917N	35.7847E	9	From 2015-04-10
Hatay-Hassa-Haclar	HASA	Turkey	36.7502N	36.4871E	480	From 2017-12-22
Hatay/Reyhanl	RHAN	Turkey	36.2594N	36.6022E	260	From 2016-12-16
Hatchie Coon Island	HCI	Arkansas,U.S.A.	35.6950N	90.3450W	67	
Hat Creek	LHCM	California,U.S.A.	40.8050N	121.5140W	1020	
Hat Creek Radio Observatory, Hat Creek	HATC	California,U.S.A.	40.8161N	121.4612W	1013	From 2005-05-19 to 2007-09-07
Hateruma jima	HATJ	Ryukyu Islands,Japan	24.0567N	123.8050E	15	From 1992-02-24
Hatgal	HTG	Mongolia	50.4600N	100.1700E	1680	
Hathaway	HAWT	Missouri,U.S.A.	36.2256N	89.6596W	81	
Hatillo	HATIL	Costa Rica,Costa Rica	10.2987N	85.7000W	56	
Hatillo	SDD06	Dominican Republic	19.0363N	70.2135W	240	
Hat Mesa	HTMS	New Mexico,U.S.A.	32.4725N	103.6340W	1192	From 1991-01-01
Hato, Curacao	HATO	Venezuela	12.1803N	68.9579W	40	From 2013-12-01
Hato Mayor	HTM1	Dominican Republic	18.7629N	69.2559W	130	
Hato Mayor del Rey	HATOM	Dominican Republic	18.7879N	69.3811W	438	
Hatta, Dubai	HATD	United Arab Emirates	24.8257N	56.1321E	340	From 2006-05-17
Hattaushi	HTUJ	Hokkaido,Japan	43.2050N	145.3288E	75	From 1997-04-09
Hattorf	HAT	Hessen,Germany	50.8297N	9.9442E	-592	From 1980-01-01
Haudompre	HAU	Lorraine,France	48.0056N	6.3481E	577	
Haudompre, 88088 La Chapelle-aux-Bois, Vosges, Lorraine	A158A	France	48.0068N	6.3501E	567	From 2015-11-23
Hauiti	HIZ	North Island,New Zealand	38.5129S	174.8557E	237	From 2004-02-03
Haukadalur	IHAU	Iceland	63.9690N	19.9650W	96	From 1989-12-08
Haulerwijk	HWF3	Netherlands	53.0710N	6.3512E	-143	From 2010-11-24 to 2010-11-24
Haulerwijk	HWF1	Netherlands	53.0710N	6.3512E	-43	From 2010-11-24 to 2010-11-24
Haulerwijk	HWF2	Netherlands	53.0710N	6.3512E	-93	From 2010-11-24 to 2010-11-24
Haulerwijk	HWF	Netherlands	53.0718N	6.3516E	6	
Haulerwijk	HWF4	Netherlands	53.0710N	6.3512E	-193	From 2010-11-24 to 2010-11-24
Haus	N2B5	Norway	61.9220N	5.5850E	30	
Hausauer Farms, Kief	C28A	North Dakota,U.S.A.	47.7157N	100.3871W	524	From 2009-08-13 to 2011-06-29
Hausen	HSND	Baden-Wurttemberg,Germany	48.3042N	9.1938E	709	From 1982-01-01 to 2020-02-01
Hausham, Bavaria	A141A	Germany	47.7528N	11.8490E	839	From 2016-01-20
Hauterive	HTQ	Quebec,Canada	49.1917N	68.3939W	123	From 1982-04-15
Havelock	HVLK	Andaman Islands,India	12.0090N	92.9640E	60	From 2012-01-01
Havelock North	HNHZ	North Island,New Zealand	39.6635S	176.8814E	10	From 1989-08-05 to 1997-08-04
Havelock North	HNZ	North Island,New Zealand	39.6699S	176.8852E	18	From 1947-03-01 to 1953-03-31
Havelock Quarry	HKNB	New Brunswick,Canada	45.9783N	65.3801W	164	From 2013-09-05
Havenscourt Bl Oakland	C063	California,U.S.A.	37.7651N	122.1891W	-40	From 2012-05-17
Haverah Park	HPK	England,United Kingdom	53.9581N	1.6241W	227	From 1978-01-01
Haverstraw	HAVE	New York,U.S.A.	41.2325N	74.1113W	268	
Havilah	WHVM	California,U.S.A.	35.5099N	118.5190W	971	
Havilah	HAV	California,U.S.A.	35.5100N	118.5170W	990	From 1952-07-01 to 1952-09-04
Havirov	HAVC	Czech Republic	49.7630N	18.4770E	0	
Havre	HV-	Montana,U.S.A.	48.4222N	109.8222W	884	From 1965-10-25 to 1967-12-10
Havre	HV-MA	Montana,U.S.A.	48.4222N	109.8222W	884	From 1965-10-25 to 1967-12-10
Havza	HAVZ	Turkey	41.0743N	35.7180E	575	From 2008-12-04
Hawaii-2 Observatory	H2O	North Pacific Ocean	27.8819N	141.9917W	-4947	
HawaiianBeaches	HBH	Hawaii,U.S.A.	19.5315N	154.8980W	92	
Hawaiian Volcano	HVO	Hawaii,U.S.A.	19.4211N	155.2930W	1240	From 1912-01-01
HAWAII INFRASONIC ARRAY REFERENCE POINT	I59US	Hawaii,U.S.A.	19.5915N	155.8936W	1076	From 2001-02-20
Hawaii Institute of Geophysics	HIG	Hawaii,U.S.A.	21.2847N	157.8190W	18	From 1964-05-01
Hawaii Isl. Ar.	HW-	Hawaii,U.S.A.	19.9803N	155.7056W	705	From 1963-07-24 to 1964-10-22
Hawaii Isl. Ar.	HW-IS	Hawaii,U.S.A.	19.9803N	155.7056W	705	From 1963-07-24 to 1964-10-22
Hawaii Preparatory Academy	HPAH	Hawaii,U.S.A.	20.0303N	155.6973W	755	
Haweek	HAWK	Syria	34.5211N	36.4055E	1000	From 1995-09-01
Hawker	HKER	South Australia,Australia	31.7642S	138.5524E	440	
Hawkesbury	HWKO	Ontario	45.6068N	74.6028W	90	From 2019-02-14
Hawkesdale P12 School	AUHPC	Victoria,Australia	38.1100S	142.3200E	11	From 2013-05-18
Hawkins Drive San Ramon	C045	California,U.S.A.	37.7496N	121.9620W	138	From 2010-08-11
Hawksbury Island	HWKB	British Columbia,Canada	53.5984N	129.1544W	778	From 2014-08-21
Hawk's Nest	HWKN	South Australia,Australia	29.9578S	135.2035E	180	From 1981-06-22

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Hawks Nest	HKN	South Australia,Australia	30.0117S	135.1867E	171	
Hawk Springs	HK-	Wyoming,U.S.A.	41.6958N	104.3569W	1494	From 1962-07-17 to 1962-10-05
Hawk Springs	HK-WY	Wyoming,U.S.A.	41.6958N	104.3569W	1494	From 1962-07-17 to 1962-10-05
Hawk`s Rest	YHR	Wyoming,U.S.A.	44.1060N	110.0816W	2976	From 2014-08-28
Hawqa	HWQ	Lebanon	34.2780N	35.9463E	1161	From 2001-02-01
Hawthorne Fire Tower	HAW	South Carolina,U.S.A.	33.3600N	81.6100W	112	From 2010-03-11
Haydariye	HYDR	Turkey	40.5132N	29.1270E	392	From 2006-01-17
Hayden	HAYD	Colorado	40.5200N	107.2600W	2200	From 2018-07-15 to 2038-07-15
Hayder	URD10	Saudi Arabia	28.1700N	37.0973E	958	
Hayfield	HAY	California,U.S.A.	33.7074N	115.6839W	413	From 1956-06-20
Hayfork Bally	KHBM	California,U.S.A.	40.6602N	123.2190W	1885	
Hayirsizada Cinnet	HYRS	Turkey	40.7900N	29.2617E	0	From 2009-01-01
Hayna, Turnverein	INS5	Germany	49.1290N	8.2034E	128	From 2012-09-25
Hayseed and Buckwheat Dairy Farm	HBDB	British Columbia,Canada	49.1697N	122.2135W	6	
Hay Springs	HS-	Nebraska,U.S.A.	42.4256N	102.7144W	1158	From 1962-05-09 to 1962-06-28
Hay Springs	HS-NB	Nebraska,U.S.A.	42.4256N	102.7144W	1158	From 1962-05-09 to 1962-06-28
Haystack Butte	HYS	California,U.S.A.	34.8638N	117.5690W	867	
Haystack Fork	HAYW	Wyoming,U.S.A.	43.6396N	110.3320W	2835	From 1990-09-01 to 2007-08-07
Haystack Lookout	HTW	Washington,U.S.A.	47.8035N	121.7690W	829	From 1975-06-11
Hayter Ranch, Fort Stockton	427A	Texas,U.S.A.	30.8498N	103.4018W	1031	From 2008-03-16 to 2010-02-12
Hayti	HATI	Missouri,U.S.A.	36.1770N	89.6760W	83	
Hazelwood Elementary School	RHAZ	Washington,U.S.A.	47.5405N	122.1857W	10	
Hazlehurst	255A	Georgia,U.S.A.	31.9263N	82.4758W	45	From 2012-04-04
Hazorchashma	HAZOR	Tajikistan	39.0430N	70.2836E	1632	From 1959-08-04
Headley	HEA	England,United Kingdom	51.3583N	1.2639W	114	
Headquarters	HDQ	Colorado,U.S.A.	39.5583N	105.0790W	1683	From 1973-01-01 to 1976-11-30
Healdsburg	NHBM	California,U.S.A.	38.5893N	122.9090W	165	From 1975-02-21
Health center, Dolo Mena	DLMN	Ethiopia,Ethiopia	6.4242N	39.8557E	1254	From 2014-04-20 to 2017-12-01
Health Center, Gidami	GIDAE	Ethiopia,Ethiopia	8.9797N	34.6103E	1901	From 2014-03-23 to 2017-12-01
Heard Island	HII	Heard Island,Australia	53.0200S	73.3850E	10	
Hearst Castle	PHCM	California,U.S.A.	35.6822N	121.1530W	514	
Heath Steele Mine	HSNB	New Brunswick,Canada	47.2769N	66.0601W	337	From 2017-09-26
Hebbronville	034A	Texas,U.S.A.	27.0647N	98.6833W	155	From 2010-01-08 to 2011-11-17
Hebbronville	HBVL	Texas,U.S.A.	27.0650N	98.6696W	155	From 2017-02-15
Heber	HR-	Arizona,U.S.A.	34.6697N	110.7664W	1875	From 1964-07-10 to 1965-10-04
Heber	HR-AZ	Arizona,U.S.A.	34.6697N	110.7664W	1875	From 1964-07-10 to 1965-10-04
Heber	HEB	Utah,U.S.A.	40.5015N	111.3358W	1925	
Hebgen Lake	YHL	Montana,U.S.A.	44.8509N	111.1830W	2691	From 2011-09-02
Hebgen Ridge	YPHR	Idaho,U.S.A.	44.8523N	111.3160W	2060	
Hebron	O33A	Nebraska,U.S.A.	40.0755N	97.5845W	480	From 2010-05-19 to 2012-04-18
Hecla	F31A	South Dakota,U.S.A.	45.8598N	98.2525W	412	From 2010-09-07 to 2012-06-07
Hector,Ludlow	HEC	California,U.S.A.	34.8294N	116.3350W	920	From 1997-08-01
Heda	HDAN	Shizuoka,Japan	34.9620N	138.8201E	250	
Heda	HEDN	Shizuoka,Japan	34.9591N	138.8126E	160	
Hedekas	HED	Sweden	58.6800N	11.7780E	78	From 1980-01-01 to 1991-12-31
Hedge Avenue Brentwood	C057	California,U.S.A.	37.9555N	121.6979W	24	From 2012-02-02
Heerbrugg, Kantonsschule SG	SHEK	Switzerland	47.4158N	9.6279E	402	From 2015-12-01
Heerlen	HEE	Netherlands	50.8850N	5.9817E	115	From 1926-04-18 to 1981-01-01
Heflinger Ranch	PHFM	California,U.S.A.	35.8816N	120.4016W	457	
Hefner Road	OK003	Oklahoma,U.S.A.	35.5493N	97.3358W	354	
Hegura jima	JHG	Ishikawa,Japan	37.8483N	136.9200E	12	
Heguri	JHE	Nara,Japan	34.6535N	135.6850E	260	
Hehuan Shan	WHF	Taiwan region	24.1450N	121.2650E	3395	
Heidelberg (Koenigstuhl)	HEI	Baden-Wurttemberg,Germany	49.3991N	8.7274E	560	From 1959-01-01 to 2020-02-01
Heidelberg, Weststadt	HEID	Baden-Wurttemberg	49.4025N	8.6880E	111	From 2016-01-01
Heidenheim-Charlottenhoehle	HDH	Baden-Wurttemberg,Germany	48.5832N	10.2048E	504	From 1996-01-01
HeiHe	HEH	Heilongjiang	50.2534N	127.4127E	215	From 2009-01-01
Heiheiahulu	HUL	Hawaii,U.S.A.	19.4188N	154.9790W	369	
Heiheiahulu Digital	HULD	Hawaii,U.S.A.	19.4160N	154.9750W	368	
Heilbronn	HEIN	Baden-Wurttemberg	49.1379N	9.2363E	198	From 2017-01-01
Heimansgroeve	HGN	Netherlands	50.7640N	5.9317E	135	From 1993-03-01
Heimerzheim	BA15	Nordrhein-Westfalen,Germany	50.7117N	6.9275E	157	From 2006-10-01
Heinrich-Robert Mine	HRH	Nordrhein-Westfalen,Germany	51.6234N	7.7527E	-888	
Heinsberg	BA13	Nordrhein-Westfalen,Germany	51.0707N	6.0753E	42	From 2006-10-01
Heioarbar	IHEI	Iceland	64.2000N	21.2360W	162	From 1989-12-13
Hejung	EHC	Taiwan region	24.2680N	121.7330E	11	
Hel	PHL	Poland	54.6080N	18.8170E	1	
Helez	HLZ	Israel	31.6000N	34.6400E	100	
Helfaut	HELF	Nord-Pas-de-Calais	50.7048N	2.2393E	47	From 2014-01-01
Helgoland	HLG	Schleswig-Holstein,Germany	54.1847N	7.8839E	41	
Hella	IHLA	Iceland	65.9440N	18.3870W	37	From 1995-02-01
Hells Half Acre	HHAI	Idaho,U.S.A.	43.2950N	112.3790W	1391	
Helmeringhausen	HELM	Namibia	25.8806S	16.8280E	1157	
Helmstadt-Bargen-Flinsbach	FLIN	Baden-Wurttemberg	49.3058N	9.0071E	226	From 2016-05-01 to 2018-11-01
Helmville	HLM	Montana,U.S.A.	46.8894N	112.9330W	1365	From 1974-09-03 to 1976-10-04
Helsinki	HEL	Finland	60.1756N	24.9570E	20	
Helsinki	HEL1	Finland	60.1771N	24.8825E	5	From 2016-09-10
Helsinki	HEL2	Finland	60.1875N	24.8311E	5	From 2016-09-21
Helsinki	HEL4	Finland	60.2454N	24.8061E	40	From 2016-12-08
Helsinki	HEL3	Finland	60.1732N	24.8243E	5	From 2016-12-08
Helvecia	PKS5	Hungary	46.8092N	19.5547E	119	
Helvecia	HSFA	Santa Fe,Argentina	31.1028S	60.1108W	90	
Helwan	HLW	Egypt	29.8583N	31.3417E	135	From 1903-01-01
Hemet	HMTC	California,U.S.A.	33.7088N	117.0039W	582	
Hempstead	HE-	Texas,U.S.A.	30.1997N	96.0919W	67	From 1963-07-25 to 1964-03-16
Hempstead	HE-TX	Texas,U.S.A.	30.1997N	96.0919W	67	From 1963-07-25 to 1964-03-16
Hemsoen	HEMU	Sweden	62.6760N	18.0359E	100	From 2000-04-13
Hendek	HENT	Turkey	40.8231N	30.8992E	583	
Henderson Mound	HENM	Missouri,U.S.A.	36.7160N	89.4717W	88	
Hengchuen, Pingtung county	TSEB	Taiwan region	21.9000N	120.9000E	0	From 2005-01-01
Hengchun	TWK1	Taiwan region	21.9433N	120.8053E	90	From 1978-01-15
Hengchun	HEN	Taiwan region	22.0055N	120.7381E	22	
Hengchun	TWKBT	Taiwan region	21.9406N	120.8125E	90	From 1996-03-21
Heniu Mare	HNM	Romania	47.2775N	24.7339E	1580	From 1982-09-01 to 1989-01-01
Henniker	J62A	New Hampshire,U.S.A.	43.2262N	71.8127W	266	From 2013-09-07
Henry Mountain	HMU	Utah,U.S.A.	37.9380N	110.7418W	2430	From 2005-11-17
Heoinshofoi	IHED	Iceland	66.0810N	17.3100W	75	From 2000-09-25
Hepburn Lake, NWT	HPLN	Northwest Territories,Canada	66.3485N	115.3232W	479	From 2009-07-16
Heping	ST25	Xizang Zizhiqu,China	32.5373N	88.9403E	4601	From 1998-07-26 to 1999-01-16
Heping Village	EHP	Taiwan region	24.3100N	121.7410E	200	From 2001-05-01
Hepp	HPP	Alaska,U.S.A.	64.7905N	147.9590W	170	From 1971-11-09 to 1976-06-30
Herakleio	HER3	Crete,Greece	35.3296N	25.1065E	5	From 2012-09-15
Herakleio	HER1	Crete,Greece	35.3172N	25.1021E	60	From 2012-10-15
Herakleio	HRKL	Crete,Greece	35.3115N	25.1017E	90	From 2013-03-09
Herakleio	HER2	Crete,Greece	35.3379N	25.1355E	36	From 2012-09-15
Heraklion	IACM	Crete,Greece	35.3058N	25.0709E	43	From 2009-11-28
Herat	HRA	Afghanistan	34.3868N	62.2438E	1917	From 2012-12-12
Herceg Novi	HCY	Montenegro	42.4473N	18.4938E	321	From 1983-12-25
Herculane	HERR	Romania	44.8810N	22.4160E	246	From 2011-01-11
Hercules	HERB	California,U.S.A.	38.0124N	122.2622W	-18	
Herd Peak	LHEM	California,U.S.A.	41.6285N	122.2190W	2155	From 1981-01-15
Heredia	HDC	Costa Rica	10.0013N	84.1140W	1150	From 1984-03-17
Heredia	EDIA	Costa Rica,Costa Rica	9.9990N	84.1240W	1181	
Heredia 2	HDC2	Costa Rica	10.0237N	84.1167W	1220	From 1985-01-01
Heredia 3	HDC3	Costa Rica	10.0021N	84.1114W	1175	From 2008-10-20
Heredia 4	HDC4	Costa Rica	10.0020N	84.1113W	1175	
Heredia 5	HDC5	Costa Rica	10.0020N	84.1120W	1154	
Hereke	HRT	Turkey	40.8217N	29.6680E	645	From 1980-01-01
Hereke-Izmit	HRTX	Turkey	40.8010N	29.6730E	573	From 2011-10-01
Hergersweiler	INS3	Germany	49.0966N	8.0821E	140	From 2012-09-18
Heris	IHRS	Iran	38.3183N	47.0420E	2100	From 1995-08-01
Herkenbosch	HKB	Netherlands	51.1889N	6.1684E	74	
Hermanus	HER	Cape Province,South Africa	34.4250S	19.2250E	26	
Hermiston	HRO	Oregon,U.S.A.	45.8357N	119.3810W	172	
Hernandez Reservoir, Idria	U04C	California,U.S.A.	36.3627N	120.7828W	812	From 2004-12-05 to 2007-12-11
Hernandez Valley	HVC	California,U.S.A.	36.3730N	120.8190W	750	From 1969-11-26
Hernandez Valley	PHRM	California,U.S.A.	36.3730N	120.8190W	750	From 1969-11-26
Hernando Brdge	HDBT	Tennessee,U.S.A.	35.1534N	90.0581W	66	
Herne Bay Borehole	HBAZ	North Island,New Zealand	36.8501S	174.7304E	-44	From 2009-08-06

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Heroes del Desierto, CAL	CALMX	Baja California	32.2928N	116.5255W	378	
Heron Place, Grans Saline	137A	Texas,U.S.A.	32.5973N	95.7559W	141	From 2010-02-24 to 2012-01-22
Herrenchiemsee, Bavaria	A145A	Germany	47.8673N	12.3960E	537	From 2016-01-19
Herstmonceux	HMNX	England,United Kingdom	50.8674N	0.3363E	26	From 2009-05-16
Herxheim Wasserbehaelter	INS7	Germany	49.1600N	8.2120E	155	From 2012-11-16
Hesingue, 68135, Haut-Rhin, Alsace	STHE	Alsace	47.5844N	7.5422E	275	From 2013-09-18
Hesperia	PHSM	California,U.S.A.	35.8238N	121.0538W	451	
Hesperia Broadband	PHSB	California,U.S.A.	35.8240N	121.0539W	475	
Hestalda	IHES	Iceland	64.0468N	19.5604W	529	From 2016-09-09
Hetta	HEF	Finland	68.4080N	23.6600E	380	From 2006-11-01
Heuchelheim BoxerKlub	INS1	Germany	49.1483N	8.0462E	196	From 2012-11-19
Heukewalde	HKWD	Thuringen,Germany	50.8298N	12.2681E	317	From 2008-05-06
Heuksando	KSHUK	Republic of Korea	34.6838N	125.4518E	79	From 1999-04-18
Heuksan-myeon	HUK2	Republic of Korea	34.6871N	125.4504E	95	From 2011-12-19
Hexham	HEXM	Victoria,Australia	37.9280S	142.7780E	220	
Heybeliada	HYBL	Turkey	40.8680N	29.0816E	32	From 2011-04-21
Heybeliada-Istanbul	HYBA	Turkey	40.8754N	29.0854E	65	From 2012-09-12
Heyderabad	HYR	Azerbaijan	39.7190N	44.8520E	848	From 2011-11-30
Hiawatha	HWK	Kansas,U.S.A.	39.8022N	95.4965W	320	From 1978-10-05 to 2001-07-15
Hibok Hibok	VHH	Mindanao,Philippines	9.2330N	124.6720E	250	From 1993-01-01
Hickman	HICK	Kentucky,U.S.A.	36.5409N	89.2288W	141	
Hickman	RSCN	Kentucky	36.5680N	89.1067W	85	From 1991-05-10
Hickman	HLLM	Kentucky	36.5358N	89.1607W	85	From 1989-12-13 to 1992-02-05
Hickory Valley	W45A	Tennessee,U.S.A.	35.1568N	89.1860W	187	From 2011-05-17 to 2013-03-07
Hicks Bay	HBZ	North Island,New Zealand	37.5974S	178.3015E	100	From 1985-06-28 to 2004-03-02
Hicks Ranch, Ibapah	O13A	Utah,U.S.A.	40.1314N	113.9814W	1573	From 2007-02-21 to 2008-09-01
Hidaka	HDK	Wakayama,Japan	33.9259N	135.1390E	30	From 1965-01-01 to 1974-04-03
Hidaka-Cho	HIC	Hidaka,Japan	42.8915N	142.4573E	330	From 1976-07-01
Hidakashinhidaka	JSHD	Hokkaido,Japan	42.4098N	142.4667E	79	From 2012-07-01
Hidalgo, CPN	CPNMX	Baja California	32.4308N	115.2500W	8	
Hidalgo, CSO	CSOMX	Baja California	32.4477N	115.2550W	8	
Hidalgo, GEO	GEOMX	Baja California	32.4000N	115.2400W	8	
Hidalgo Marine Base	HDB	California,U.S.A.	34.4008N	116.2874W	875	
Hidalgo Mountain	HDG	California,U.S.A.	34.4289N	116.3058W	1302	From 1974-04-01 to 2010-04-28
Hidden Bay	AD4	Alaska,U.S.A.	51.6986N	176.6320W	213	From 1974-01-01 to 1992-02-01
Hidden Dam	MHDM	California,U.S.A.	37.1171N	119.8950W	147	
Hidden Lake	HKP	Pennsylvania,U.S.A.	41.0382N	75.0617W	337	From 1973-02-01 to 1974-07-31
Hierbabuena	HIER	Ecuador	2.7200S	79.4200W	2800	
Hierro	EHRO	Spain	27.7535N	18.1106W	135	
Higginbotham Farm, Almira	C08A	Washington,U.S.A.	47.7849N	119.0454W	783	From 2006-09-21 to 2008-05-14
Highbank	STLD	South Island	43.6108S	171.8263E	230	
Highclere	BDH	Barbados	13.2030N	59.5890W	308	From 1978-11-19
Highcliff Hill	HHSZ	South Island,New Zealand	45.8843S	170.5978E	375	From 2006-04-08 to 2008-06-26
Highgate Road Kensington	C066	California,U.S.A.	37.9132N	122.2858W	153	From 2012-11-26
High Heaven	VHHM	Oregon,U.S.A.	45.2647N	123.3090W	533	
High Hole Crater	LHHM	California,U.S.A.	41.5228N	121.5325W	1890	
High Hoyland	HHWY	England,United Kingdom	53.5867N	1.5974W	205	
Highland	HLNC	California,U.S.A.	34.1213N	117.2190W	236	
Highland Ranch	HLR	Colorado,U.S.A.	39.5372N	104.9740W	1782	From 1973-01-01 to 1976-11-30
Highland Springs	GHLM	California,U.S.A.	39.0405N	123.0190W	956	From 1975-06-01
Highlands Station	HLRZ	North Island,New Zealand	38.2519S	176.3522E	576	From 2008-12-03
High Level	HILA	Alberta,Canada	58.5561N	117.0203W	329	From 2009-10-19
Highline Community College ANSS-SMO	HICC	Washington,U.S.A.	47.3899N	122.2991W	115	From 2001-06-27
High School, Bahir Dar	BAHR	Ethiopia,Ethiopia	11.5603N	37.3837E	1814	From 2014-04-03 to 2017-12-01
High School, Debark	DAQU	Ethiopia,Ethiopia	13.1448N	37.8976E	2861	From 2014-04-02 to 2017-12-01
High School, Hidabu Tobi	HDBU	Ethiopia,Ethiopia	9.3760N	35.6513E	1940	From 2014-03-21 to 2017-12-01
High School, Mendi	MEND	Ethiopia,Ethiopia	9.7867N	35.1115E	1700	From 2014-03-21 to 2017-12-01
High Valley	GHVM	California,U.S.A.	39.0850N	122.7340W	1036	
Higuera	EHIG	Spain	28.5567N	17.8062W	845	
Higuey	HGY1	Dominican Republic	18.5930N	68.7169W	141	From 2011-11-13
Higuey Centro	HIDR	Dominican Republic	18.5917N	68.7169W	90	From 2013-03-12
Hikami	HMTD	Hyogo,Japan	35.2265N	135.0435E	250	
Hikimi	JHIK	Shimane,Japan	34.5313N	131.9292E	350	From 1997-12-01
Hikinohira	HIKD	Kagoshima,Japan	31.5803N	130.6439E	550	
Hikone	HIK	Shiga,Japan	35.2733N	136.2470E	87	
Hile	HILE	Nepal	27.0482N	87.3242E	2088	From 2002-05-31 to 2002-12-30
Hilina Pali	HLP	Hawaii,U.S.A.	19.2960N	155.3080W	707	From 1970-09-01
Hill Air Force Base, Hill AFB, UT, USA	HAFB	Utah,U.S.A.	41.1179N	111.9759W	1471	From 2012-05-03
Hillesheim	HILG	Rheinland-Pfalz,Germany	50.2918N	6.6788E	500	From 1998-01-01
Hilliard	456A	Florida,U.S.A.	30.7248N	82.0223W	26	From 2012-02-04
Hillman	G47A	Michigan,U.S.A.	45.1730N	83.8551W	239	From 2012-11-11
Hillsboro	R51A	Kentucky,U.S.A.	38.3001N	83.5834W	231	From 2012-06-27
Hillsdale 1, Hillsdale	L61A	New York,U.S.A.	42.1934N	73.5543W	275	From 2013-09-14
Hill Springs, Alberta	HSPGA	Alberta,Canada	49.3593N	113.6523W	1154	From 2014-07-31
Hilltop Ranch, Iowa Park	Y33A	Texas,U.S.A.	34.0081N	98.6256W	321	From 2009-11-08 to 2011-09-07
Hilo	HIL	Hawaii,U.S.A.	19.7178N	155.0878W	26	From 1922-01-01 to 2000-11-09
Hilton	J55A	New York,U.S.A.	43.2657N	77.8167W	97	From 2012-12-12
Hilton Creek	HTCR	California,U.S.A.	37.5298N	118.7710W	3012	From 1984-07-19
Himara	HIMA	Albania	40.0889N	19.7582E	139	From 2014-12-19
Himeji	HIM	Hyogo,Japan	34.8367N	134.6733E	39	
Himekami	HMK	Iwate,Japan	39.8483N	141.2467E	586	
Hinai	JAH	Akita,Japan	40.1887N	140.6358E	140	
Hinchinbrook Island	HIN	Alaska,U.S.A.	60.3968N	146.5020W	611	From 1974-10-03
Hinckley	HKM	Maine,U.S.A.	44.6564N	69.6408W	79	
Hindmarsh Valley	HMV1	South Australia,Australia	35.4903S	138.6369E	95	From 2008-12-28
Hinemaiaia	HATZ	North Island,New Zealand	38.8908S	176.0921E	506	From 1985-05-01
Hines	J07A	Oregon,U.S.A.	43.3736N	119.3105W	1273	From 2006-06-20 to 2008-04-04
Hinesburg	HBVT	Vermont,U.S.A.	44.3623N	73.0650W	342	
Hingarae	HITZ	North Island,New Zealand	38.7069S	175.7665E	458	From 1984-12-01 to 1991-06-21
Hinohara	HHR	Tokyo,Japan	35.7353N	139.0764E	595	
Hino-misaki	HNMJ	Wakayama,Japan	33.8811N	135.0661E	191	
Hinrichs Farm, Grantsburg	F37A	Wisconsin,U.S.A.	45.7243N	92.6264W	296	From 2011-08-28 to 2013-07-10
Hinsdale	L55A	New York,U.S.A.	42.1831N	78.4368W	633	From 2013-01-24
Hinteralfeld	HINF	Lorraine,France	47.8167N	6.8531E	720	From 1996-04-03
Hinton	HWV	West Virginia,U.S.A.	37.5906N	80.8408W	521	From 1978-04-01 to 1998-12-31
Hinze Dam	HINZ	Queensland,Australia	28.0511S	153.2807E	140	
Hiratsu	HRTT	Yamagata,Japan	39.0100N	139.9400E	40	
Hirodai	HRD	Aomori,Japan	40.5842N	140.4773E	50	
Hirogawara	HRG	Shizuoka,Japan	35.1584N	139.0586E	285	
Hiroka	JHK	Fukushima,Japan	37.2483N	139.0170E	195	From 1994-04-01
Hiroo	HOO	Tokachi,Japan	42.2917N	143.3200E	32	
Hiroo 2	HOOJ	Tokachi,Japan	42.3833N	143.2870E	-1	
Hirosakihyakuzawa	JHHS	Aomori,Japan	40.6518N	140.3590E	220	From 2012-07-01
Hiroshima	HIR	Hiroshima,Japan	34.3633N	132.4370E	30	From 1935-01-01
Hiroshima	HIR1	Hiroshima,Japan	34.3950N	132.4650E	-4	From 1987-12-23
Hiroshima 2	HIRJ	Hiroshima,Japan	34.4283N	132.5650E	412	From 1988-03-22
Hirschenstein, Niederoesterreich	A022A	Austria	48.6348N	14.7326E	777	From 2015-09-07
Hirz Mountain	LHMM	California,U.S.A.	40.8968N	122.2450W	1064	
Hisarcik	HIS	Turkey	40.4687N	29.9313E	970	From 1993-01-01
Hisarkoy	HSY	Cyprus	35.1734N	33.0552E	257	From 2005-05-11
Hitachi	JHO	Tochigi,Japan	36.6108N	140.5690E	215	From 1995-04-01
Hitachinakayamanoue	JHYU	Ibaraki,Japan	36.3405N	140.5868E	20	From 2012-07-01
Hittiya	HITJ	Jordan	29.7430N	35.8410E	1235	From 1989-10-29
Hiyama	JHY	Hiyama,Japan	41.6777N	140.0573E	30	
Hiyamasetana	JHST	Hokkaido,Japan	42.4225N	139.8767E	20	From 2012-07-01
Hiyu Mountain	HIYU	Oregon,U.S.A.	45.4352N	121.8074W	1418	From 2013-11-19
HIZO	HIZO	Bolivia	19.6064S	68.3233W	3688	From 1994-05-30 to 1995-08-08
Hjoernedal	HJO	Greenland	70.3520N	28.1640W	40	From 2000-08-15 to 2002-08-12
HLFA	HLFA	Sudan	21.8157N	31.4068E	233	
H. Mason	HMO	Oregon,U.S.A.	45.5381N	122.5720W	64	From 1975-01-01
Hnaberd	HNAZ	Armenia	40.6330N	44.1440E	2150	
Hlnxe	BZER	Nordrhein-Westfalen,Germany	51.6207N	6.8695E	51	From 2004-12-08
Ho	HOGH	Ghana	6.6092N	0.4450E	372	From 1987-01-01
Hoa Binh	HBV2	Vietnam	20.7962N	105.3387E	80	
Hoa-Binh	HBVN	Vietnam	20.8259N	105.3520E	30	From 1979-07-27
Hoadley Peaks	LHOM	California,U.S.A.	40.6852N	122.7500W	1378	
Hoarfrost River	HFRN	Northwest Territories,Canada	62.8617N	109.2777W	153	From 2011-07-12
Hobart	HB-OK	Oklahoma,U.S.A.	35.1764N	98.9103W	491	From 1961-11-09 to 1963-04-10
Hobart	FNT	Tasmania,Australia	42.9265S	147.3540E	184	From 1957-01-01 to 1962-12-31

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
HOBART INFRASONIC ARRAY REFERENCE POINT	I05AU	Tasmania,Australia	42.4908S	147.6806E	350	From 2003-03-29
Hobart Mills	HBT	California,U.S.A.	39.4267N	120.1630W	1804	From 1973-04-01
Hobart Mills	HBM	California,U.S.A.	39.4017N	120.1530W	1804	From 1970-03-24 to 1973-04-30
Hobart (Okla)	HB-	Oklahoma,U.S.A.	35.1764N	98.9103W	491	From 1961-11-09 to 1963-04-10
Hobbs	HHAR	Arkansas,U.S.A.	36.2817N	93.9399W	421	
Hochfeld	HOCHN	Namibia	21.4902S	17.8531E	1560	
Hochheid	FSH	Rheinland-Pfalz,Germany	50.0763N	7.1087E	350	
Hochneukirch	BD09	Nordrhein-Westfalen,Germany	51.0963N	6.4650E	88	From 2001-01-01
Hockley	HKT	Texas,U.S.A.	29.9500N	95.8333W	-415	From 1973-06-01
Hodge	HOD	California,U.S.A.	34.8389N	117.2475W	807	
Hodges	HODGE	South Carolina,U.S.A.	34.2315N	82.2586W	150	
Hodges Ranch	BHRM	California,U.S.A.	36.7278N	121.2640W	213	
Hoedspruit, Limpopo	HOED	South Africa	24.4127S	30.9324E	617	From 2017-03-11
Hoengseong	HOES	Republic of Korea	37.4930N	127.9930E	163	From 2007-12-13
Hof	HOF	Bayern,Germany	50.3136N	11.8775E	566	From 1909-01-01 to 2004-08-13
Hoffart Farm, Langdon	A30A	North Dakota,U.S.A.	48.9402N	98.3009W	484	From 2009-08-19 to 2011-07-15
Hoffen	HOFF	Alsace,France	48.9417N	7.9639E	150	
Hogan Spring (BLM), Cisco	Q19A	Utah,U.S.A.	38.9553N	109.2630W	1283	From 2007-06-14 to 2009-04-26
Hogback Mountain	HOG	Oregon,U.S.A.	42.2424N	121.7057W	1887	
Hogback Ridge	GHGM	California,U.S.A.	39.1283N	122.8250W	903	From 1975-04-18
Hog Canyon	PHGM	California,U.S.A.	35.8760N	120.4840W	792	
Hoggard's Bluff	HOGG	Arkansas,U.S.A.	35.2216N	92.2410W	133	From 1985-08-01
Hogget Hill	HHP	South Island,New Zealand	44.3259S	170.3456E	490	From 1975-06-18 to 1983-11-21
HOGN	HOGN	Israel	29.8950N	34.7790E	740	From 1985-11-01 to 1998-05-31
Hogsback Ridge	HRU	Utah,U.S.A.	40.7862N	111.8848W	1640	
Hohbusch	HOBG	Nordrhein-Westfalen,Germany	50.9835N	7.3338E	270	From 1996-03-01
HOHENGOEFT	HOHE	Alsace	48.6586N	7.4842E	336	From 2015-10-01
Hohenheim	HOH	Baden-Wurttemberg,Germany	48.7167N	9.2167E	396	From 1903-01-01 to 1934-01-31
Hohentengen	HTN	Baden-Wurttemberg,Germany	48.0293N	9.3784E	571	From 1984-01-01 to 2020-02-01
Hohenwarte Talsperre	HWTS	Thuringen,Germany	50.5923N	11.4723E	555	From 2009-11-01
Hohe Rhon--Flad	HROE	Bayern,Germany	50.5366N	10.1574E	569	From 2002-12-10
Hohkeppel	HOK	Nordrhein-Westfalen,Germany	50.9803N	7.3122E	230	From 1976-06-01 to 1994-12-01
Hoima	HOI	Uganda	1.4180N	31.3420E	1094	From 1991-07-01
Hojancha, HOJA	CHOYA	Costa Rica	10.0498N	85.4230W	356	From 2000-01-20 to 2000-05-12
Hokigiyama	HOKE	Yamanashi,Japan	34.8488N	139.0413E	900	
Hokkaido University	HSS	Ishikari,Japan	42.9647N	141.2320E	215	
Hokoriku	HKJ	Fukui,Japan	35.9375N	136.2125E	20	
Hokuryu	JHR	Sorachi,Japan	43.7430N	141.7248E	195	
Holberg	HOLB	British Columbia,Canada	50.6405N	128.1320W	564	From 1991-08-01
Holcombe	G39A	Wisconsin,U.S.A.	45.2867N	91.1698W	350	From 2011-08-15 to 2013-11-13
Holcomb Ridge	HOLC	California,U.S.A.	34.4582N	117.8451W	1160	
Holdsworth Station	HOWZ	North Island,New Zealand	40.8973S	175.5151E	475	From 2007-02-22
Hole	HLX	Nevada,U.S.A.	39.9337N	117.6632W	1219	
Holguin	HOL	Cuba	20.8940N	76.2630W	350	
Holguin	HLGC	Cuba	20.8900N	76.0600W	350	From 1999-09-01
Holitna River	M17K	Alaska,U.S.A.	61.4009N	157.4375W	387	From 2017-05-08
Hollad	A263A	Hungary	46.6408N	17.3149E	165	From 2015-12-15
Holladay	V46A	Tennessee,U.S.A.	35.8007N	88.1177W	162	From 2012-01-13
Holladay Fire Station, Holladay, Utah	HFSU	Utah,U.S.A.	40.6702N	111.8257W	1344	From 2010-08-17
Holland Mills	HMC	Quebec,Canada	45.7583N	75.6483W	175	
Holland Ranch, Erick	W31A	Oklahoma,U.S.A.	35.1864N	99.9435W	644	From 2009-03-22 to 2011-02-14
Holland Ranch, North Fork	M11A	Nevada,U.S.A.	41.4311N	115.7912W	1849	From 2006-05-06 to 2008-08-11
Holly Hill	SDYT	Tennessee	35.9867N	89.0383W	107	From 1989-12-02
Hollywood	158A	South Carolina,U.S.A.	32.7364N	80.1935W	12	From 2013-02-24
Hollywood	HWD	South Carolina,U.S.A.	32.7388N	80.2835W	9	
Holman	HMNT	Northwest Territories,Canada	70.7631N	117.8058W	36	
Holmes Hill	YHH	Wyoming,U.S.A.	44.7883N	110.8505W	2717	
Holmets	HOLU	Carpathian Mountains	48.5270N	22.3840E	134	
Holmfirth	LHO	England,United Kingdom	53.5451N	1.8548W	460	From 1991-01-01
Holstrom Ranch	JHLM	California,U.S.A.	37.1090N	121.8332W	908	From 1975-10-02
Holt	HLT	Alabama,U.S.A.	33.2223N	87.5077W	95	
Holter Research Foundation--Helena	HRF	Montana,U.S.A.	46.5943N	112.0440W	1256	
Holter Research Foundation--York Bridge	HRY	Montana,U.S.A.	46.7113N	111.8310W	1341	From 1980-11-08
Holt Ranch, Enterprise	S13A	Utah,U.S.A.	37.5808N	113.8604W	1698	From 2007-02-15 to 2008-10-09
Holtville Bonds Crnr Olima	5054	California,U.S.A.	32.6932N	115.3382W	9	From 1996-09-26
Holy Cross	HCC	California,U.S.A.	36.9814N	121.7220W	159	From 1967-05-02 to 1975-10-12
Holy Mount Cemetery	HMCY	New York,U.S.A.	40.9648N	73.8032W	245	From 1985-12-01
Holy Rosary School	HOLY	Washington,U.S.A.	47.5654N	122.3839W	106	
Holzern, Kaernten	A027A	Austria	46.8159N	14.0074E	1217	From 2015-09-07
Homack Ranch, Wilcox	118A	Arizona,U.S.A.	32.6399N	109.9697W	1440	From 2007-04-05 to 2009-01-21
Homborsund	HOMB	Norway	58.2702N	8.5052E	21	From 2008-11-20
Homer	HOM	Alaska,U.S.A.	59.6583N	151.6430W	198	From 1976-08-01
Homestead Farm, Martinsburg	P57A	West Virginia,U.S.A.	39.4835N	78.0126W	191	From 2013-05-21
Homestead National Monument	HMN	Nebraska,U.S.A.	40.2864N	96.8356W	368	From 1979-03-10 to 2001-07-15
Homigot	HMGA	Republic of Korea	36.0761N	129.5666E	56	From 2018-03-09
Homyel'	NE57	Belarus	52.6030N	31.0810E	129	
Honcut	OHCM	California,U.S.A.	39.3357N	121.4840W	79	From 1975-08-05
Hondo	HONK	Kumamoto,Japan	32.8761N	131.0780E	1167	
Hondo	JHD	Kumamoto,Japan	32.4650N	130.1368E	70	
Hondo	HNDO	Texas,U.S.A.	29.5288N	99.2808W	381	From 2017-02-15
Honeyville	HONU	Utah,U.S.A.	41.6100N	111.9170W	1515	From 1989-06-13
Hongcheon	HOCA	Republic of Korea	37.6837N	127.8802E	124	From 2016-12-16
Hongdo	HGDB	Republic of Korea	34.7068N	125.2012E	-55	From 2018-03-09
Hong Kong Observatory	HKC	Hong Kong,China	22.3020N	114.1743E	27	From 1921-10-01
Hong Kong Po Shan	HKPS	Hong Kong,China	22.2776N	114.1415E	196	From 2009-10-01
Hongo	HNG	Tokyo,Japan	35.7111N	139.7660E	18	
Hongo	HGJ	Tokyo,Japan	35.7156N	139.7630E	19	From 1965-05-01
HongShan	HNS	Hebei	37.3991N	114.7073E	31	From 2009-01-01
Honhosa River	H18K	Alaska,U.S.A.	65.1527N	158.3633W	494	From 2017-06-16
Honiara	HNR	Solomon Islands,Papua New Guinea	9.4316S	159.9470E	72	From 1960-10-01
Honjo	HJY	Akita,Japan	39.3383N	140.1730E	136	From 1975-04-01
Honjo	HJH	Akita,Japan	39.3383N	140.1730E	136	From 1975-04-01
Honolulu	HNL	Hawaii,U.S.A.	21.3583N	157.8100W	243	From 1964-05-01 to 1974-12-31
Honolulu	HON	Hawaii,U.S.A.	21.3242N	158.0010W	2	From 1902-01-01
Honuapo	HPO	Hawaii,U.S.A.	19.0889N	155.5540W	15	
Hood Meadows East	VHEM	Oregon,U.S.A.	45.3287N	121.6740W	1739	
Hoodsport	HDW	Washington,U.S.A.	47.6485N	123.0540W	1006	
Hopa-Artvin	HOPA	Turkey	41.3867N	41.4458E	65	From 2012-01-01
Hope	HOJ	Jamaica	18.0045N	76.7494W	179	From 1965-08-21
Hope	HOPB	British Columbia,Canada	49.3873N	121.4205W	248	
Hope Bay	HOP	Jamaica	18.0220N	76.7500W	200	From 1961-11-01 to 1965-06-30
Hopedale	HDIL	Illinois,U.S.A.	40.5559N	89.2940W	219	From 2006-08-24
Hopen	HOPEN	Svalbard,Norway	76.5100N	25.0100E	25	From 2004-09-01
Hope Point	HOPE	South Georgia Islands	54.2836S	36.4879W	20	
Hope Ranch	PHPM	California,U.S.A.	35.9805N	120.6068W	548	
Hopewell	ROET	Tennessee	36.0328N	89.1358W	110	From 1989-10-25
Hopewell, ACRM	ACRN	Tennessee	36.0817N	89.0930W	79	From 1990-05-18 to 1990-06-28
Hopewell Church	IP05	Virginia,U.S.A.	37.8303N	77.7557W	108	
Hopland Field Station, Hopland	HOPS	California,U.S.A.	38.9935N	123.0723W	299	From 1994-10-20
Hopovo Monastery	HOPOS	Serbia	45.1351N	19.8354E	310	From 2004-01-28
Hopper	HOPT	Tennessee,U.S.A.	36.3270N	89.4717W	125	
Hoqain	HOQ	Oman	23.5824N	57.3109E	350	From 2001-07-01
Horasan	HOMI	Turkey	40.0452N	41.9055E	2174	From 2006-09-18
Hora Svate Kateriny	HSKC	Czech Republic	50.6072N	13.4317E	580	From 2014-11-21
Horco Molle	AHML	Tucuman,Argentina	26.7847S	65.3345W	670	From 1992-09-01
Horem	BA06	Nordrhein-Westfalen,Germany	50.9196N	6.7052E	73	From 2006-10-01
Horizontes, Guanacaste	HZTE	Costa Rica	10.7137N	85.5954W	194	From 2008-01-01
Hornachuelos	EHOR	Spain	37.8231N	5.2481W	160	From 1985-05-01
Hornachuelos	HORN	Spain	37.8466N	5.2582W	268	
Horndal	HRN	Sweden	60.2500N	16.4860E		From 1980-01-01
Hornillas	HORNC	Costa Rica	10.7125N	85.1783W	807	From 2000-01-01
Hornito Dam	P0844	Panama	8.7442N	82.2493W	900	
Hornopire@15n	HOCH	Chile	41.9072S	72.4081W	165	
Hornsund	HSP	Svalbard,Norway	77.0082N	15.5504E		
Hornsund (broadband)	HSPB	Svalbard,Norway	77.0019N	15.5332E	10	
Horodok	HORU	Carpathian Mountains	49.2138N	26.4263E	340	From 2001-02-19
Horoka	HRK	Hokkaido,Japan	43.4663N	143.1287E	695	
Horominai	HORH	Iburi,Japan	42.4765N	140.9167E	235	
Hororata, DAR4	DARN4	South Island	43.5488S	171.9490E	188	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Horqueta	HOQC	Colombia	3.4680N	76.6337W	2220	From 1987-01-01
Horse Butte	YHB	Idaho,U.S.A.	44.7512N	111.1952W	2157	
Horse Canyon	HCU	Utah,U.S.A.	39.4883N	110.3450W	2134	From 1962-01-01 to 1977-03-31
Horsefly Mountain	VHYM	Oregon,U.S.A.	42.2645N	121.0490W	1932	
Horse Heaven Hills	HHH	Washington,U.S.A.	46.1717N	119.3840W	490	From 1987-03-01
Horse Mountain	KHMM	California,U.S.A.	40.8747N	123.7310W	1509	
Horse Pasture	SHEL	Saint Helena	15.9588S	5.7457W	537	From 1995-06-19
Horseshoe Bay	HBC	British Columbia,Canada	49.3775N	123.2760W		From 1951-01-01 to 1960-04-30
Horseshoe Beach	655A	Florida,U.S.A.	29.5107N	83.2552W	6	From 2012-02-15
Horse Springs, Datil	Y20A	New Mexico,U.S.A.	33.9085N	108.3769W	2177	From 2008-02-10 to 2009-12-06
Horse Wrangler Ranch, Akron	O26A	Colorado,U.S.A.	40.2422N	103.3128W	1413	From 2008-11-20 to 2010-10-13
Horta	HOR	Azores,Portugal	38.5267N	28.6300W	60	
Horta de San Juan	ERTA	Spain	40.9567N	0.3335E	547	
Hortiatis	HORT	Greece	40.5978N	23.0996E	933	From 2006-07-12
Horyu	HRJ	Ishikawa,Japan	37.3994N	137.1360E	275	
Hoseineyeh	IHOS	Iran	32.6793N	48.2365E	0	From 1998-01-01
Hoshina	HSJ	Nagano,Japan	36.5841N	138.2740E	490	From 1968-07-21
Hoskins	L33A	Nebraska,U.S.A.	42.1659N	97.2724W	556	From 2010-06-18 to 2012-04-30
Hoskins	DAW	New Britain,Papua New Guinea	5.5500S	150.4670E	250	From 1969-11-02 to 1970-12-31
Hososhima	JMH	Miyazaki,Japan	32.5717N	131.5883E	60	
Hospital de la Familia	HDFA	Baja California	32.6673N	115.3900W	23	
Hospital Del Sur Enrique Grces , La lorena, Chilibulo	HSUR	Ecuador	0.2447S	78.5413W	2907	From 2017-07-14
Hospital general Docente Calderon, Sierra hermosa, Calderon, Quito	HCAL	Ecuador	0.0921S	78.4378W	2720	From 2017-07-11
Hospital Gineco Obsttrico Luz Elena Arismendi, Guamani, Quito	HLUZ	Ecuador	0.3152S	78.5537W	2979	From 2017-07-11
Hospital, Ginir	GINR	Ethiopia,Ethiopia	7.1298N	40.7153E	1928	From 2014-04-18 to 2017-12-01
Hospital Gral. Tijuana	HGTTJ	Baja California	32.5260N	117.0090W	1	
Hospital, Negele	NGLE	Ethiopia,Ethiopia	5.3316N	39.5736E	1510	From 2014-04-22 to 2017-12-01
Hossack Road	HSRZ	North Island,New Zealand	38.3113S	176.2449E	411	From 2010-04-13
Hot Caves	HTC	Hawaii,U.S.A.	19.2374N	155.3976W	381	
Hotchkiss, N22	NCR22	Colorado	38.8064N	107.8246W	1712	
Hot Creek Range	HCR	Nevada,U.S.A.	38.2339N	116.4357W	2058	
Hotel Casa Bonita	LOBA2	Dominican Republic	18.0814N	71.0936W	40	From 2015-08-08
Hotel Crowe Plaza	CRW	El Salvador	13.7092N	89.2413W	838	
Hotel El Pedernal	LOPE2	Dominican Republic	18.0314N	71.7454W	13	From 2015-08-20
Hotel Espejo de Luna	LL07	Los Lagos	42.8324S	73.4779W	53	From 2015-02-03
Hotel Rincn de la Vieja Lodge	GPS2	Costa Rica	10.7525N	85.3520W	676	From 2000-01-01
Hotel RIU, Guanacaste	HRIU	Costa Rica	10.5158N	85.7501W	309	From 2000-01-01
Hotel Taoro	TTAO	Canary Islands	28.4123N	16.5487W	92	From 2016-06-07
Hotham Inlet	E17K	Alaska,U.S.A.	67.0820N	161.8262W	233	From 2017-07-28
Hotnja, Vukomericke Gorice	A255A	Croatia	45.5090N	16.0507E	224	From 2016-06-07
Hotokeiwa	HTK	Nagano,Japan	36.3769N	138.5397E	1462	
Hot Spot	HSW	Washington,U.S.A.	46.5295N	119.5550W	217	From 1970-06-01 to 1971-10-31
Hotspring	HG4B	British Columbia,Canada	52.2931N	131.1975W	331	From 2012-11-10
Hotspring	HG3B	British Columbia,Canada	52.5766N	131.4435W	10	From 2012-11-13
Hot Springs	C13A	Montana,U.S.A.	47.6795N	114.5735W	976	From 2006-09-21 to 2009-08-04
Hot Springs Basin	YPHS	Wyoming,U.S.A.	44.7556N	110.3540W	2621	
Hot Springs Mountain	HOT	California,U.S.A.	33.3144N	116.5824W	1934	From 1976-01-01 to 2010-04-28
Houchin Ranch, La Veta	S24A	Colorado,U.S.A.	37.6407N	105.2126W	2672	From 2008-06-13 to 2010-04-16
Houelmont	HMG	Guadeloupe,France	15.9823N	61.7000W	420	
Houlton	HN-ME	Maine,U.S.A.	46.1619N	67.9858W	213	
Houlton	HN-	Maine,U.S.A.	46.1619N	67.9858W	213	
Houlton	HNME	Maine,U.S.A.	46.1599N	67.9867W	209	
Hourglass Bar Ranch, Mountainair	X23A	New Mexico,U.S.A.	34.5810N	106.1881W	1948	From 2008-04-19 to 2010-03-13
House Creek	GHCM	California,U.S.A.	38.6060N	123.1970W	518	From 1975-05-07
House Creek Ranch, Rogerson	L12A	Idaho,U.S.A.	42.1460N	115.0162W	1756	From 2006-12-21 to 2008-08-08
Houston	I39A	Minnesota,U.S.A.	43.8543N	91.5231W	393	From 2011-08-09 to 2013-06-05
Houston	HOU	Texas,U.S.A.	29.7189N	95.4022W	5	
Houston	Y46A	Mississippi,U.S.A.	33.8828N	88.8577W	109	From 2011-04-14 to 2013-02-06
Houston--Electro-Tech	HET	Texas,U.S.A.	29.7200N	95.4699W	6	From 1961-01-01 to 1965-04-30
Houston Renfrow, Canton	145A	Mississippi,U.S.A.	32.6035N	89.9287W	93	From 2011-03-25
Houvegnez	BHOU	Belgium	50.3537N	6.0051E	470	From 2012-08-02
Houxiangcun	PTMZ	Taiwan region	25.0400N	119.1200E	0	From 2011-07-22
Hovd	HBD	Mongolia	48.0100N	91.6500E	1410	
Hoven	G29A	South Dakota,U.S.A.	45.1926N	99.9234W	588	From 2009-09-10 to 2011-07-12
Howard	HD-	Pennsylvania,U.S.A.	40.9956N	77.5956W	369	From 1964-09-25 to 1965-01-25
Howard	HD-PA	Pennsylvania,U.S.A.	40.9956N	77.5956W	369	From 1964-09-25 to 1965-01-25
Howard City	J46A	Michigan,U.S.A.	43.3478N	85.6466W	275	From 2012-09-11
Howats Hill	BHH	Scotland,United Kingdom	55.0931N	3.2181W	216	
Howe Caverns	HCNY	New York,U.S.A.	42.6968N	74.3984W	273	
Howe Peak	HPI	Idaho,U.S.A.	43.7114N	113.0970W	2597	From 1972-10-01
Howes	H27A	South Dakota,U.S.A.	44.6329N	102.0775W	748	From 2009-06-10 to 2011-05-27
Howe Scarp	HWSI	Idaho,U.S.A.	43.9222N	113.1060W	1740	From 1992-01-01
Howrah	HOW	West Bengal,India	22.4167N	88.3092E	3	From 1952-01-01
Hoy	OHO	Orkney Islands,United Kingdom	58.8321N	3.2464W	172	From 1995-09-21
Hoyanger	HYA	Norway	61.1660N	6.1870E	30	From 1999-06-08
Hoyt Mine	HYX	Nevada,U.S.A.	39.7728N	117.7630W	1661	From 1980-01-01
Hoyt Peak	HTU	Utah,U.S.A.	40.6753N	111.2200W	2575	From 1974-11-01
Hraun	IHRN	Iceland	66.1100N	20.1230W	15	From 1996-08-30
HRB Luhne-Lengefeld	LUHNE	Thuringen	51.2538N	10.4194E	228	From 2019-08-20
HRML	HRML	Saudi Arabia	22.0080N	45.0920E	807	
Hsiaoliuchiu	WLCT	Taiwan region	22.3480N	120.3620E	38	
Hsiaoliuchiu	TWP	Taiwan region	22.3460N	120.3625E	80	From 1978-01-02
Hsinchu	SBCB	Taiwan region	24.7924N	120.9854E	126	From 2007-07-17
Hsinchu	HSN	Taiwan region	24.8022N	120.9696E	34	
Hsinchu	HSN1	Taiwan region	24.7780N	121.0180E	102	From 2014-12-22
Hsinkong	HSI	Taiwan region	23.1000N	121.3670E	36	
Hsinkong	SGK	Taiwan region	23.1000N	121.3670E	36	
Hsinying	TWK	Taiwan region	23.2667N	120.4880E	590	From 1974-07-19
HTM01	HTM01	Saudi Arabia	26.7114N	42.4896E	976	
HTM02	HTM02	Saudi Arabia	26.8822N	42.5930E	912	
HTM03	HTM03	Saudi Arabia	27.0386N	42.4549E	923	
HTM04	HTM04	Saudi Arabia	27.0190N	42.2819E	1048	
HTM05	HTM05	Saudi Arabia	27.1696N	42.1675E	1194	
HTM06	HTM06	Saudi Arabia	26.7398N	42.2049E	1154	
Huaiquique	TA02	Tarapac	20.2705S	70.1311W	86	From 2014-02-24
Huajuapan	UTMO	Oaxaca,Mexico	17.8300N	97.8035W	1783	From 2003-11-18
Huajuapan de Leon	HLIG	Oaxaca	17.8300N	97.8036W	1784	From 2009-12-08
Hualalai	HUH	Hawaii,U.S.A.	19.6847N	155.8357W	2193	From 1971-05-06
Hualan@16e@15	GO05	Maule,Chile	35.0098S	71.9297W	488	
Hualane	U65B	Maule,Chile	34.9642S	71.7886W	66	
Hualapai Mountain Park, Kingman	W13A	Arizona,U.S.A.	35.0990N	113.8854W	1988	From 2006-03-09 to 2010-05-28
Hualien Port	HWAP	Taiwan region	23.9800N	121.6200E	0	From 2001-08-27
Hualilan	HLN	San Juan,Argentina	30.7364S	68.9492W	2000	
Huancayo	HUA	Peru	12.0384S	75.3228W	3313	From 1932-04-01
Huanuco	HCO	Peru	9.8300S	76.2300W	1851	
Huara	HUAR	Chile	19.9320S	69.7261W	1135	From 2009-12-03
Huaraz	HUZ	Peru	9.5289S	77.5083W	3300	From 1972-01-01
Huarina	BS09	Bolivia	16.1890S	68.6120W	3858	From 2012-04-24
Huarmaca	HURP	Peru	5.5830S	78.4330W	2000	
Huasco	HUCH	Atacama,Chile	28.4641S	71.2215W	9	From 2005-04-19
Huatulco	HUIG	Oaxaca,Mexico	15.7684N	96.1082W	150	
Huaypira	CHP5	Peru	4.6050S	80.5011W	240	
Huckleberry Mountain	HBO	Oregon,U.S.A.	43.8443N	122.3200W	1615	From 1990-09-19
Huddart Park	JHPM	California,U.S.A.	37.4442N	122.3020W	347	
Huddler Ranch, Lake City	T32A	Kansas,U.S.A.	37.1797N	98.9247W	596	From 2009-10-12 to 2011-08-27
Hudiksvall	HUDU	Sweden	61.7364N	17.1194E	100	From 2005-10-15
Hudson	HUO	Ontario,Canada	50.0806N	92.0981W	367	From 1986-10-02
Hudson	HUDS	Patagonia	45.9593S	72.8861W	999	From 2010-01-01
Hudson Bay High School ANSS-SMO	HUBA	Washington,U.S.A.	45.6307N	122.6526W	23	From 2002-09-12
Hue	HUV	Vietnam	16.4168N	107.5855E	8	
Hueftle Ranch, Cozad	N30A	Nebraska,U.S.A.	40.7957N	100.1001W	842	From 2009-05-21 to 2011-04-07
Huehuecho	HUES	El Salvador	13.7783N	89.0000W	910	From 1991-12-01
Huehuetenango	HUEH	Guatemala Basin	15.3182N	91.5025W	1870	
Huelma, Jaen	E025	Spain	37.7016N	3.4657W	1621	From 2007-06-22 to 2009-06-24
Huelva	EXHU	Spain	37.2740N	6.9310W	380	From 2008-06-01
Huemules	HUEM	Patagonia	45.8658S	73.1132W	1158	From 2017-10-01
Hurcal-Overa, Almera	EXHUO	Spain	37.3988N	1.9469W	290	From 2015-01-01
Huescar	EHUE	Spain	37.8148N	2.5927W	980	From 1990-11-13
Huff	E28A	North Dakota,U.S.A.	46.5748N	100.6934W	579	From 2009-08-18 to 2011-06-06

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Hugo	Y37A	Oklahoma,U.S.A.	33.9789N	95.6210W	165	From 2010-04-27 to 2012-01-30
Hugo	Q26A	Colorado,U.S.A.	38.9234N	103.5195W	1546	From 2008-12-04 to 2010-10-17
Hugoton	T29A	Kansas,U.S.A.	37.1565N	101.2942W	936	From 2009-04-08 to 2011-03-13
Hu-ho-hao-te	HHC	Nei Monggol Zizhiqu,China	40.8494N	111.5640E	1169	
Huhtala Lane, Santa Cruz County	JHUM	California,U.S.A.	37.2147N	122.1717W	234	From 2000-09-15
Huinay	HUNY	Chile	42.3790S	72.4143W	20	
Huiting Farm, Downs	P32A	Kansas,U.S.A.	39.6223N	98.6011W	524	From 2009-09-19 to 2011-08-23
Huitzitzil	HUG	Guatemala	14.0208N	91.3235W		From 1987-10-01
Huka	HUTZ	North Island,New Zealand	38.6319S	176.0944E	300	From 1985-09-26 to 1992-10-31
Hulbert	V37A	Oklahoma,U.S.A.	35.8830N	95.1410W	219	From 2010-06-11 to 2012-02-17
Hull Mountain	GHMM	California,U.S.A.	39.4954N	122.9310W	1456	
Hull Mountain	HUMO	Oregon,U.S.A.	42.6071N	122.9567W	554	From 2002-06-18
Humahuaca	HJA	Jujuy,Argentina	23.2078S	65.4095W	3170	
Humangqian	PNTK	Taiwan region	26.9784N	118.9720E	850	From 2011-07-25
Humberstone	HMBC	Tarapaca,Chile	20.2782S	69.8879W	1152	
Humbligny	HYF	Centre,France	47.2685N	2.6394E	428	
Humboldt	X15A	Arizona,U.S.A.	34.4866N	112.2368W	1331	From 2006-03-22 to 2008-11-06
Humboldt	O35A	Nebraska,U.S.A.	40.2665N	95.9097W	342	From 2010-05-16 to 2012-04-21
Humboldt	V45A	Tennessee,U.S.A.	35.7403N	88.9591W	126	From 2011-05-15 to 2013-03-16
Hume Dam	HUMM	Victoria,Australia	36.1110S	147.0290E	190	
Humele	HUMR	Romania	44.5281N	24.9804E	247	From 2008-08-29
Humming Bird West	HBW	California,U.S.A.	38.8585N	122.8757W	985	
Humu`ula Sheep Station	HMH	North America,U.S.A.	19.6027N	155.4830W	2465	
Hundersingen	HUN	Baden-Wurttemberg,Germany	48.0792N	9.4083E	565	
Hundred Mile H.	HM-	British Columbia,Canada	51.6550N	121.4756W	1128	From 1962-07-26 to 1962-10-05
Hungry Hill Ranch, Wilson	Z29A	Texas,U.S.A.	33.2595N	101.7062W	938	From 2009-01-29 to 2010-12-04
Hungry Horse	HHM	Montana,U.S.A.	48.3494N	114.0280W	1100	From 1947-11-10 to 1979-12-16
Hungye	EHY	Taiwan region	23.5060N	121.3220E	237	
Hunish Island	HNSH	Yemen	13.6935N	42.7147E	80	From 2007-11-27
Hunter Liggett MR Jolon	V03C	California,U.S.A.	36.0214N	121.2356W	336	From 2005-02-23 to 2007-12-05
Hunter Patterson, Mansfield	240A	Louisiana,U.S.A.	32.0387N	93.7626W	119	From 2011-02-11 to 2012-12-01
Huntington	339A	Texas,U.S.A.	31.3331N	94.5560W	82	From 2010-02-18 to 2011-12-10
Huntoon Valley	HCK	Nevada,U.S.A.	38.0755N	118.5920W		
Huntoon Valley	HVL	Nevada,U.S.A.	39.1832N	118.5390W	1856	
Huntsville	M16A	Utah,U.S.A.	41.3146N	111.6298W	1872	From 2007-07-09 to 2009-04-21
Huntsville, TX	HNVL	Texas,U.S.A.	30.7564N	95.4666W	87	From 2017-04-06
Hunxe	BHXE	Nordrhein-Westfalen,Germany	51.6308N	6.8929E	159	
Hurbanovo	HRB	Slovakia	47.8736N	18.1928E	115	
Huro Makira	HURO	Solomon Islands	10.4653S	161.9026E	52	From 2018-10-10
Huron Fishing Bridge	PHBM	California,U.S.A.	36.2488N	120.0830W	100	
Hurricane	R53A	West Virginia,U.S.A.	38.3307N	81.9513W	294	From 2013-01-13
Hurricane	T14A	Utah,U.S.A.	37.0615N	113.0840W	1529	From 2007-01-28 to 2008-10-10
Hurricane	HUR	Alaska,U.S.A.	62.9778N	149.6360W	505	From 1971-08-01
Hurricane	HHS	Utah,U.S.A.	37.1738N	113.2957W	987	From 2008-05-15
Hurricane Hollow	HHT	Tennessee,U.S.A.	36.1711N	87.9014W	113	
Hurst Farm, Blanding	S18A	Utah,U.S.A.	37.6903N	109.9948W	2351	From 2007-06-25 to 2009-06-18
Hurt	T57A	Virginia,U.S.A.	36.9983N	79.2538W	230	From 2013-03-17
Husband	HUOR	Oregon,U.S.A.	44.1197N	121.8482W	2037	
Husbondi	IHUS	Iceland	64.2955N	17.6565W	1314	From 2013-06-06
Huson	D13A	Montana,U.S.A.	47.0943N	114.4587W	1000	From 2006-10-06 to 2009-07-17
Husum	HUSU	Sweden	63.3416N	19.2184E	100	From 2000-08-23
Huta Ginjang	HUTI	Sumatera,Indonesia	2.3153N	98.9711E	1600	
Hutbay	HUTB	Andaman Islands,India	10.3512N	92.3232E	22	From 2012-01-01
Hutchings Drive San Leandro	C038	California,U.S.A.	37.7205N	122.1765W	28	From 2010-05-04
Hutch Mountain	HTCH	Arizona,U.S.A.	34.8060N	111.3940W	2559	
Huxley Gorge	HGP	South Island,New Zealand	44.1008S	169.8443E	590	From 1975-06-18 to 1983-11-21
HUYE	HUYE	Rwanda	2.6187S	29.7330E	1657	From 2019-06-07
Huzimizaka	HZA	Nagano,Japan	36.3992N	138.5411E	2232	
Hvannstoosfjoll	IHVA	Iceland	64.9550N	15.8690W	695	From 2004-12-29
Hvar	HVAR	Croatia	43.1780N	16.4490E	189	From 1986-10-01
Hveravellir	IHVE	Iceland	64.8700N	19.5670W	640	From 1996-08-30
Hwacheon	HWCB	Republic of Korea	38.2214N	127.6707E	292	From 2010-11-17
Hwacheon Acc Borehole	HWCA	Republic of Korea	38.0650N	127.7746E	268	From 2015-10-01
Hwalien	HWA	Taiwan region	23.9770N	121.6050E	16	
Hwange	HWZ	Zimbabwe	18.3302S	26.5034E	0	
Hwaseong-si	HAWB	Republic of Korea	37.0844N	126.7740E	48	From 2012-12-24
Hwawon	HAWA0	Republic of Korea	34.6710N	126.3283E	28	From 2018-03-09
Hyde County Airport	V62A	North Carolina,U.S.A.	35.5612N	75.9570W	-3	
Hyde Park	HDU	Utah,U.S.A.	41.8044N	111.7650W	1853	From 1975-03-01
Hyder	U35K	Alaska	55.9154N	130.0257W	17	From 2016-08-21
Hyderabad	HYB	Andhra Pradesh,India	17.4169N	78.5531E	510	From 1967-12-11
Hyderabad	HYD	Andhra Pradesh,India	17.4333N	78.4500E	528	
Hyderabad (broadband)	HYBB	Andhra Pradesh,India	17.4187N	78.5520E	522	From 2008-09-15
Hydra	YDRA	Greece	37.3495N	23.4653E	19	From 2011-10-24
Hydro, Custer County	CSTR	Oklahoma,U.S.A.	35.6456N	98.6889W	516	From 2016-07-14
Hyesan	HYSN	Democratic People's Republic of Korea	41.3895N	128.1791E	780	From 1978-01-01
Hyland Airport, Yukon	TGTN	Yukon Territory	61.5267N	128.2727W	865	From 2013-07-01
Hylton High School	PPHYL	District of Columbia,U.S.A.	38.6500N	77.3800W	112	
Hysham	HY-	Montana,U.S.A.	45.9728N	107.0817W	975	From 1964-11-30 to 1965-09-19
Hysham	HY-MA	Montana,U.S.A.	45.9728N	107.0817W	975	From 1964-11-30 to 1965-09-19
Hyugahichiya	JHHC	Miyazaki,Japan	32.4432N	131.6368E	53	From 2012-07-01
I19DJ	I19DJ	Djibouti	11.4740N	43.1731E	21	From 2011-10-05
I37NO	I37NO	Norway	69.0741N	18.6076E	73	From 2013-12-17
Iasi	IAS	Romania	47.1931N	27.5530E	195	From 1951-12-10
Iasi	IASR	Romania	47.1777N	27.5748E	183	From 2018-11-15
Ibague, SGC	CIBA1	Colombia	4.4470N	75.2350W	1284	From 1995-06-26
Ibajay, Aklan	IBAJ	Philippines	11.8178N	122.1709E	97	
Ibarra	IBAR	Ecuador	0.2871N	78.1065W	2360	
Ibarra (Universidad Catlica)	AIB2	Ecuador	0.3428N	78.1042W	2225	From 2012-03-23
Iba, Zambales	IBZP	Luzon	15.3980N	120.0230E	50	From 2015-12-09
Ibbenbueren East	IBBE	Nordrhein-Westfalen,Germany	52.2998N	7.7943E	141	From 2005-12-01
Ibbenbueren South	IBBS	Nordrhein-Westfalen,Germany	52.2843N	7.7486E	169	From 2005-12-01
Ibbenburen	IBBN	Nordrhein-Westfalen,Germany	52.3072N	7.7566E	137	
Ibiza	EIBI	Balearic Islands,Spain	39.0269N	1.3436E	260	
Ibuki Yama	IBU	Shiga,Japan	35.3783N	136.3770E	30	
Ibumi	BUMI	Tanzania	10.1277S	34.9365E	1333	From 2014-07-10 to 2015-11-04
Iburiatsuma	JIAM	Iburi,Japan	42.6227N	141.9205E	12	From 2012-11-01
Ica	ICA	Peru	14.0750S	75.7250W	500	
Ice Cap	IC-	Greenland	77.9467N	39.1833W	2365	From 1966-07-06 to 1967-08-28
Ice Cap	IC-GL	Greenland	77.9467N	39.1833W	2365	From 1966-07-06 to 1967-08-28
Icelocation 2	IS2	Greenland	69.1660N	44.7357W	2220	
Icheon	KSICN	Republic of Korea	37.2907N	127.4167E	164	From 2003-11-28
Ichihara	ICH	Chiba,Japan	35.4009N	140.1768E	-146	
Ichinomiya	INMK	Tokushima,Japan	34.0284N	134.4663E	50	
Ichinomiyachiaki	JICN	Aichi,Japan	35.3020N	136.8430E	10	From 2012-11-01
Ichinoseki	JMK	Iwate,Japan	38.9518N	141.2198E	70	
Ichiyama	ICY	Yamanashi,Japan	34.9033N	138.9333E	210	
Icod de los Vinos	CICO	Canary Islands,Spain	28.3490N	16.7241W	785	From 2004-05-13
Icod de los Vinos, Tenerife	CNOR	Canary Islands	28.3135N	16.6600W	1520	From 2016-10-06
ICTJA-CSIC, Barcelona	ICJA	Spain	41.3844N	2.1189E	109	From 2015-07-28
Idabel	Y38A	Oklahoma,U.S.A.	33.9278N	94.7311W	118	From 2010-04-28 to 2012-01-28
Idaho Array	IDA	Idaho,U.S.A.	43.7867N	113.0220W	1524	
Idaho Array 1	ID1	Idaho,U.S.A.	43.6200N	113.3280W	1638	
Idaho Array 2	ID2	Idaho,U.S.A.	43.5283N	112.8370W	1521	
Idaho Array 3	ID3	Idaho,U.S.A.	43.8575N	112.7080W	1460	
Idaho Array 4	ID4	Idaho,U.S.A.	43.7250N	112.7970W	1478	
Idaho Array 5	ID5	Idaho,U.S.A.	43.8983N	113.6160W	1829	
Idaho Springs	ISCO	Colorado,U.S.A.	39.7997N	105.6134W	2743	From 1996-10-17
Ideyld Park	J03A	Oregon,U.S.A.	43.3717N	122.9646W	292	From 2005-12-15 to 2007-10-31
Idfu	HEDF	Egypt	25.0945N	33.1818E	190	
Iditarod	K17K	Alaska,U.S.A.	62.7161N	158.3014W	339	From 2017-06-03
Idjevan	IDJZ	Armenia	40.8820N	45.1460E	700	
Idjwi	IDJ	Democratic Republic of the Congo	2.0642S	29.0606E	1566	From 2015-08-17
Idriss Premier	IDR	Morocco	34.1660N	4.7500W	217	From 1979-06-01
Iengra	IENR	Sakha,Russia	56.2238N	124.8571E	860	From 2004-07-10
Iera Moni Metamorfosis, Varipetro, Chania, Crete	IMMV	Crete,Greece	35.4606N	23.9811E	230	From 2010-07-16
Ierapetra Chania	FRMA	Crete,Greece	35.0144N	25.7334E	33	From 2006-12-01
Ierissos	IER1	Greece	40.3971N	23.8751E	45	From 2008-09-30
Ifrane	IFR	Morocco	33.5169N	5.1269W	1630	From 1964-11-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Igarata	IGAB	Sao Paulo,Brazil	23.2525S	46.1165W	677	
Igawa	GAWA	Tanzania	8.7648S	34.3864E	1127	From 2014-07-01 to 2015-11-04
IGDIR	IGDI	Turkey	39.8681N	44.0780E	860	From 2012-01-23
Iggoen	IGGU	Sweden	60.8730N	17.3160E	100	From 2000-03-27
Igitkin Island	GSIG	Alaska,U.S.A.	51.9864N	175.9250W	407	
Igloolik	IGLN	Northwest Territories,Canada	69.3689N	81.8175W	43	
Igloolik	IGL	Northwest Territories,Canada	69.3767N	81.8067W	38	From 1975-09-03
Igloolik, Nunavut	ILON	Northwest Territories,Canada	69.3712N	81.8242W	51	From 2005-08-23
Ignalina	IIGN	Lithuania	55.3503N	26.2225E	225	
Ignalina Nuclear	INPP	Lithuania	55.6056N	26.5667E	148	
Igoma	IGOM	Tanzania	9.0000S	33.6573E	2364	From 2013-08-13 to 2015-11-04
Igoumenitsa	IGT	Greece	39.5325N	20.3325E	320	From 1989-04-01
Igoumenitsa	IGM2	Greece	39.4862N	20.2592E	34	From 2015-08-05
Igron	IGR	Tajikistan	38.3000N	69.3000E	0	
IGS Nastaetten	NAST	Rheinland-Pfalz,Germany	50.1951N	7.8608E	290	From 2014-10-01
Iguala	III	Guerrero,Mexico	18.3760N	99.4680W	1740	
Igualata	IGUA	Ecuador	1.4900S	78.6387W	4430	
Iheya	JIH	Ryukyu Islands,Japan	27.0348N	127.9670E	25	
Iida	IJDJ	Nagano,Japan	35.4800N	137.9120E	528	From 1978-03-01
Iida	IID	Nagano,Japan	35.5100N	137.8367E	484	
Iida	IIDJ	Nagano,Japan	35.4800N	137.9120E	528	From 1978-03-01
Iinan	INA	Mie,Japan	34.4463N	136.3750E	160	From 1965-07-01 to 1970-07-31
IISEE	IIS	Tokyo,Japan	35.7097N	139.6970E	25	
Iizuka	IZK	Fukuoka,Japan	33.6500N	130.7000E		
Iizume	IZMH	Aomori,Japan	40.8338N	140.4985E	30	
Ikemajima	JIKM	Ryukyu Islands,Japan	24.9237N	125.2477E	11	From 2010-02-01
Iki	JII	Nagasaki,Japan	33.7955N	129.7320E	70	
Ikongo	KIMO	Tanzania	10.6922S	36.0463E	841	From 2014-07-14 to 2015-11-04
Ikpikpuk River	B21K	Alaska,U.S.A.	69.6211N	154.6128W	92	From 2017-08-14
Iksan Acc Borehole	IKSA	Republic of Korea	36.0592N	127.0619E	46	From 2015-10-01
Iksangeumgang	ISGB	Republic of Korea	35.9345N	126.9741E	-47	From 2018-03-09
Ikuma	JNM	Shimane,Japan	35.4958N	133.0297E	20	
Ikusaka	IKJ	Nagano,Japan	36.4218N	137.9440E	500	From 1968-07-01 to 1970-03-15
Ilam	ILAN	Nepal	26.9102N	87.9227E	1181	From 2001-10-17 to 2002-10-30
Ilam Banvizeh	ILBA	Iran	33.6245N	46.2074E	798	From 2016-10-19
Ilan	ILA	Taiwan region	24.7656N	121.7479E	7	From 1936-01-01
Ilan	YLA	Taiwan region	24.7656N	121.7480E	7	From 1936-01-01
Ilanz Schule GR	SIZS	Switzerland	46.7724N	9.2053E	703	From 2016-05-25
Ile d'Oleron	OLEF	Poitou-Charentes,France	45.9445N	1.3488W	3	From 1994-12-06
Ile d'Orlans Bridge South Anchor Chamber	BSAQ	Quebec	46.8786N	71.1296W	1	From 2017-01-27
Ile-Efe	ILEFE	Nigeria	7.5467N	4.5469E	289	
Ile-Ife	OAUI	Togo	7.5230N	4.5219E	257	From 2007-11-01
Ilet Lapin Martinique	ILAM	Martinique,France	14.7747N	60.8736W	34	From 2012-10-01
Ilgaz	ILGA	Turkey	41.0521N	33.7165E	2069	From 2007-07-02
ILHA DA TRINDADE, ES	TRI01	Espirito Santo	20.5076S	29.3146W	26	From 2014-10-14
Ili	ILI	Kazakhstan	43.8600N	77.0320E	540	
Iliamna	ILIM	Alaska,U.S.A.	60.0802N	152.9590W	823	
Iliamna	ILM	Alaska,U.S.A.	60.1820N	152.8160W	550	From 1971-08-07
Iliamna Low South	ILS	Alaska,U.S.A.	59.9576N	153.0681W	1125	
Iliamna NE	INE	Alaska,U.S.A.	60.0608N	153.0620W	1585	From 1990-08-29
Iliamna NW	INW	Alaska,U.S.A.	60.0677N	153.1325W	1219	From 1990-08-29 to 1994-12-31
Iliamna South	IVS	Alaska,U.S.A.	60.0092N	153.0810W	2332	From 1990-08-29
Iliamna Southwest, Iliamna Volcano	ILSW	Alaska,U.S.A.	59.9832N	153.1425W	1318	From 2015-08-13
Iliamna Volcano East	IVE	Alaska,U.S.A.	60.0169N	153.0163W	1173	From 1996-01-01
Iliamna West	ILW	Alaska,U.S.A.	60.0600N	153.1360W	1722	From 1994-10-01
ilic-Erzincan	ILIC	Turkey	39.4520N	38.5678E	1280	From 2008-12-25
Ilindi	ILIND	Tanzania	9.0818S	33.3327E	1919	From 2013-08-08 to 2015-11-04
Illa de Buda	CBUD	Spain	40.7044N	0.8263E	5	From 2016-03-15
Illapel	ILCH	Coquimbo,Chile	31.6358S	71.1694W	350	
Illfurth	ILLF	Alsace	47.6822N	7.2565E	305	From 2016-01-01
Illgraben, Alpage de Chandolin, VS	ILL15	Switzerland	46.2552N	7.6133E	2384	From 2018-06-19 to 2018-09-12
Illgraben, Fort du Bachet, VS	ILL16	Switzerland	46.2693N	7.5990E	2041	From 2018-06-19
Illica	MZ101	Italy	42.7037N	13.2632E	849	From 2016-10-11 to 2016-10-25
Illinizas Sur - Rasayacu	ILLI	Ecuador	0.7146S	78.7279W	3830	From 2011-10-21
Iloca	ILOC	Maule,Chile	34.9350S	72.1828W	7	
Iloilo	ILO	Panay,Philippines	10.7000N	122.5670E		
Iloiriento PS	PR32	Tanzania	2.8754S	36.1813E	2093	From 2013-01-22 to 2014-12-03
Ilombo	ILOM	Tanzania	9.2829S	33.3421E	2110	From 2013-08-08 to 2015-11-04
I.L. Ranch, Tuscararo	M10A	Nevada,U.S.A.	41.5220N	116.5396W	1687	From 2006-05-05 to 2008-08-18
Ilulissat	ILULI	Greenland	69.2121N	51.1048W	53	From 2009-07-14
Ilulissat, Greenland	ILUG	Greenland	69.2170N	51.1080W	45	From 2004-05-14
Ilw as Safayhah	ALWS	Saudi Arabia	29.3103N	35.0650E		
Ilyask¶y	ILYS	Turkey	40.6128N	29.4390E	239	From 2006-05-31
Imadeyama	IMAT	Iwate,Japan	39.1067N	141.7600E	519	
Imagane	IMG	Hiyama,Japan	42.3905N	140.1444E	90	
Imajo	IMJ	Fukui,Japan	35.7982N	136.3028E	240	
Imangra	IMNS	Amurskaya Oblast',Russia	56.6200N	120.7100E	540	From 1975-01-01 to 1979-12-31
Imbabura, San Roque	IMBA	Ecuador	0.2764N	78.1991W	3404	From 2011-10-24
Imerovigli	THT2	Crete,Greece	36.4351N	25.4218E	338	From 2011-11-05
Imi Mikki	IMK	Morocco	30.5239N	9.6517W	60	From 1991-12-17
Immerath	BD13	Nordrhein-Westfalen,Germany	51.0487N	6.4339E	96	From 2007-02-01
Imola, Italy	IMOL	Italy	44.3595N	11.7425E	-148	From 2010-08-10
Imperia	IMI	Italy	43.9105N	7.8932E	840	From 1983-01-01
Imperial	IMPE	California	32.9015N	115.5607W	-26	
Imperial Boulder Park, Ocotillo	IBP	California,U.S.A.	32.6611N	116.0929W	879	From 2010-04-06 to 2011-04-13
Imphal	IMP	Manipur,India	24.8311N	93.9466E	792	
Imsbach	IMS	Rheinland-Pfalz,Germany	49.5940N	7.9008E	354	
Imsil	KSIMS	Republic of Korea	35.6055N	127.2859E	246	From 2000-12-06
Imwonan-gil	IMWB	Republic of Korea	37.2380N	129.3419E	54	From 2012-12-23
In Amguel	IAA	Algeria	23.8222N	5.1750E		
INCERC	INC6	Romania	44.4410N	26.1609E	77	From 2015-08-17
INCERC-Sediu Central	INCR	Romania	44.4410N	26.1611E	88	From 2008-02-20
Inchbonnie	INZ	South Island,New Zealand	42.7245S	171.4441E	165	From 2011-01-26
Incheon	KSINC	Republic of Korea	37.4776N	126.6240E	68	
Inch Island, Co Donegal	IDGL	Ireland	55.0730N	7.5100W	122	
Inchon	INCN	Republic of Korea	37.4830N	126.6330E	420	
Inchon	INC	Republic of Korea	37.4833N	126.6330E	70	
Inchope, A0297	M0297	Mozambique	19.2197S	33.8419E	281	
Incio	EINC	Spain	42.6600N	7.3500W	739	
Independence	IND	California,U.S.A.	39.4343N	120.2920W	2146	
Independent Ridge	RIDG	Alaska,U.S.A.	63.7399N	144.8462W	871	From 2007-07-01
India	UMI	India	25.5167N	92.7333E		
Indiana Array	IN1	Indiana,U.S.A.	40.5420N	85.8936W		From 1980-01-01 to 1996-12-31
Indiana Array	IN4	Indiana,U.S.A.	39.5697N	84.9029W		From 1980-01-01 to 1996-12-31
Indiana Array	IN3	Indiana,U.S.A.	39.2653N	85.7854W		From 1980-01-01 to 1996-12-31
Indiana Array	IN2	Indiana,U.S.A.	39.9390N	86.7831W		From 1980-01-01 to 1996-12-31
Indiana State University	ISU	Indiana,U.S.A.	39.4714N	87.4075W	148	
Indian Gallows	SVG	St Vincent,Saint Vincent and the Grenadines	13.2450N	61.2780W	46	
Indian Hill Lake	IHLN	Northwest Territories,Canada	63.3052N	110.8911W	417	
Indian Lake	ILKN	Yukon Territory,Canada	64.2241N	115.1293W	266	
Indian Meadow	IMW	Wyoming,U.S.A.	43.8970N	110.9390W	2646	
Indian Mountain	IMA2	Alaska,U.S.A.	66.0688N	153.6871W	1318	
Indian Mountain	IMA	Alaska,U.S.A.	66.0685N	153.6790W	1380	
Indian Mountain Array Beam Reference Point	IMAR	Alaska,U.S.A.	65.9835N	153.7491W	372	
Indian Mountain Array Site 1	IM01	Alaska,U.S.A.	65.9969N	153.7225W	360	
Indian Mountain Array Site 2	IM02	Alaska,U.S.A.	66.0005N	153.7971W	645	
Indian Mountain Array Site 3	IM3	Alaska,U.S.A.	65.9835N	153.7490W	372	From 1993-07-01
Indian Mountain Array Site 4	IM04	Alaska,U.S.A.	65.9745N	153.7828W	587	
Indian Mountain Array Site 5	IM05	Alaska,U.S.A.	65.9751N	153.7253W	450	
Indianola	INDN	Nebraska,U.S.A.	40.1925N	100.4000W	762	
Indian Ridge	IRO	Oregon,U.S.A.	44.0053N	122.2543W	1642	
Indian Springs Canyon	ICU	Utah,U.S.A.	37.1497N	113.9235W	1451	
Indiantown	060A	Florida,U.S.A.	27.0361N	80.3618W	9	From 2012-03-15
Indian Trail	W56A	North Carolina,U.S.A.	35.1350N	80.5828W	177	From 2013-03-08
Indian Valley	PIVM	California,U.S.A.	35.9065N	120.6820W	497	From 1975-09-24
Indio Hills	INDC	California,U.S.A.	33.8162N	116.2300W	354	
Indio Mountain, Van Horn	425A	Texas,U.S.A.	30.7862N	104.9857W	1337	From 2008-03-15 to 2010-02-06
INEL Research	IRCI	Idaho,U.S.A.	43.5153N	112.0333W	1442	From 1990-03-15
Infanta	INF	Luzon,Philippines	14.7500N	121.6467E	5	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Ingaladian Volcano Observatory	VBIH	Philippines	12.8053N	124.0658E	432	
Ingas	INGI	Bali,Indonesia	8.8183S	115.1450E	202	
Inge Lehmann	ILG	Greenland	77.9467N	39.1833W	2401	
Ingelmoor High School	NIHS	Washington,U.S.A.	47.7413N	122.2226W	137	From 2002-06-04
Inglenook, Smith Ridge	INGLE	California	39.5292N	123.6984W	285	From 2018-01-01
Ingram Canyon, Westley	S04C	California,U.S.A.	37.5049N	121.3278W	310	From 2004-12-20 to 2007-09-03
Ingram Point	VIPM	Oregon,U.S.A.	44.5082N	120.6190W	1731	
Ingram Ranch	ING	California,U.S.A.	32.9883N	115.3100W	2	From 1973-04-16 to 2010-04-28
INJE	KSIJA	Republic of Korea	37.9867N	128.1111E	224	From 2006-12-30
Inje Acc Borehole	IJAA	Republic of Korea	37.9471N	128.3247E	326	From 2015-10-01
Injebuk	IJBA	Republic of Korea	38.1208N	128.3173E	429	From 2018-03-09
Ink	IK-AR	Arkansas,U.S.A.	34.6194N	94.1025W	305	From 1962-11-10 to 1962-12-13
Ink	IK-	Arkansas,U.S.A.	34.6194N	94.1025W	305	From 1962-11-10 to 1962-12-13
In-Ko-Pah, Jacumba	IKP	California,U.S.A.	32.6501N	116.1095W	906	From 1972-11-08 to 2010-04-28
Innaminka	INKA	South Australia,Australia	27.7410S	140.7456E	75	From 2013-07-17
Inndyr	NBB05	Norway	67.0368N	14.0306E	13	From 2013-08-01 to 2016-06-01
Innerthal, SZ	A061A	Switzerland	47.0984N	8.9252E	914	From 2015-10-14
Innhavet	N2IH	Norway	67.9662N	15.9367E	28	From 2013-08-01 to 2016-05-30
Innoko River	J18K	Alaska,U.S.A.	63.4650N	156.7154W	506	From 2017-06-02
Innrieyrar	IIEY	Iceland	64.0953N	18.1239W	652	From 2013-08-15
Innsbruck	INN	Austria	47.2667N	11.4000E	575	
Innsbruck	IBK	Austria	47.2606N	11.3847E	580	From 1973-03-01
Inspiration	INS	California,U.S.A.	33.9356N	116.1940W	1700	From 1974-04-01 to 2010-04-28
Inst. de Cultura de B.C.	ICBC	Baja California	32.6638N	115.4720W	7	From 2015-05-29
Institut Agronomique	IAG	Guadeloupe,France	16.0840N	61.6000W	250	
Institut de recherche pour le dveloppement - Quito	IRDE	Ecuador	0.1972S	78.4810W	2810	
Institute	INSR	Kamchatskaya Oblast',Russia	53.0661N	158.6050E	175	
Institute of Geosciences in Tirana	TIR1	Albania	41.3357N	19.8078E	150	From 2014-01-15
Instituto de Ingenieria, UNAM	IIM	Mexico D.F.,Mexico	19.3260N	99.1820W	2275	
Instituto de Meteorologia, Lisbon	INMG	Portugal	38.7743N	9.1257W	93	From 1993-02-01
Instituto Hidrografico de la Armada	IHA	Valparaiso,Chile	33.0258S	71.6411W	88	From 1988-01-01
INT	INT	Costa Rica	9.8147N	84.6088W	125	From 2002-04-11 to 2002-10-01
Interlachen	657A	Florida,U.S.A.	29.5852N	81.8665W	34	From 2012-02-08
Interlaken, Schloss	SINS	Switzerland	46.6869N	7.8642E	568	From 2012-10-01
Intermountain REC, Tulelake, California	TULE	California	41.9626N	121.4673W	1231	From 2018-09-01
International Monitoring System (IMS) Pinon Flats Obs. Seismic Station	IPFO	U.S.A.	33.6092N	116.4553W	1275	From 2006-08-21
InterUniversity Guayama PR	IGPR	Puerto Rico	17.9654N	66.1068W	24	From 2012-09-01
Intevep	INTV	Venezuela	10.3878N	67.0514W	1594	From 2004-01-23
Introdacqua	INTR	Italy	42.0115N	13.9046E	924	From 2003-08-29
Inubo	INB	Chiba,Japan	35.7031N	140.8603E	32	
Inukjuak	INUQ	Quebec,Canada	58.4509N	78.1186W	12	From 2006-09-12
Inuvik	INK	Northwest Territories,Canada	68.3065N	133.5254W	44	From 1969-02-22
Inuyama	INU	Aichi,Japan	35.3488N	137.0170E	140	From 1966-06-01
Inveralochy	IVY	New South Wales,Australia	34.9722S	149.7180E	650	From 1983-06-14
Inveralochy	INV	New South Wales,Australia	34.9650S	149.6670E	650	From 1959-01-01 to 1983-06-14
Inveralochy	IVN	New South Wales,Australia	34.9667S	149.6670E	650	From 1972-08-09 to 1983-06-14
Invergeldie, Comrie	INVG	Scotland,United Kingdom	56.4273N	4.0452W	279	From 2010-07-10
Inverness	IVSM	Victoria,Australia	36.1338S	147.0681E	330	
Invillino	FINV	Italy	46.4050N	12.9400E	359	From 2001-05-05
Iona Station	K51A	Ontario,Canada	42.7223N	81.5082W	217	From 2012-12-07
Ion Corvin	ICOR	Romania	44.1168N	27.8009E	121	From 2011-10-12
Ione	IO-NV	Nevada,U.S.A.	38.5258N	117.6389W	1737	
Ione	IO-	Nevada,U.S.A.	38.5258N	117.6389W	1737	
Ios island	IOSP	Greece	36.7233N	25.2890E	226	From 2012-03-07
Ipameri	BAT3	Goias	17.3991S	47.5395W	779	From 2016-03-09
Ipameri	BAT5	Goias	17.2854S	47.5353W	890	From 2016-03-11
Ipameri, GO	IPMB	Goias,Brazil	17.9830S	48.2117W	706	From 2012-10-26
Ipanguacu	IPA	Rio Grande do Norte,Brazil	5.6958S	36.8561W	65	From 1987-08-01
Ipeti	IPE	Panama	8.9772N	78.4933W	50	
Ipil	IPIL	Mindanao,Philippines	7.7880N	122.5710E	50	
Ipitacuapi	ITIT	Bolivia	20.2538S	63.1618W	823	From 1994-05-30 to 1995-08-08
IPOC Station PB01	PB01	Tarapaca,Chile	21.0432S	69.4874W	900	From 2006-02-21
IPOC Station PB02	PB02	Tarapaca,Chile	21.3197S	69.8960W	1015	From 2006-05-06
IPOC Station PB03	PB03	Antofagasta,Chile	22.0485S	69.7531W	1460	From 2006-05-19
IPOC Station PB04	PB04	Antofagasta,Chile	22.3337S	70.1492W	1530	From 2006-05-17
IPOC Station PB05	PB05	Chile	22.8528S	70.2023W	1150	From 2006-05-18
IPOC Station PB06	PB06	Antofagasta,Chile	22.7058S	69.5719W	1440	From 2007-03-04
IPOC Station PB07	PB07	Antofagasta,Chile	21.7267S	69.8862W	1560	From 2007-02-27
IPOC Station PB08	PB08	Tarapaca,Chile	20.1411S	69.1534W	3070	From 2007-03-01
IPOC Station PB09	PB09	Antofagasta,Chile	21.7964S	69.2419W	1530	From 2008-02-06
IPOC Station PB10	PB10	Antofagasta,Chile	23.5134S	70.5541W	250	From 2008-02-03
IPOC Station PB11	PB11	Tarapaca,Chile	19.7610S	69.6558W	1410	From 2008-12-05
IPOC Station PB12	PB12	Chile	18.6141S	70.3281W	908	From 2010-12-04
IPOC Station PB13	PB13	Chile	18.3359S	69.5016W	4730	From 2009-11-19 to 2011-10-30
IPOC Station PB14	PB14	Chile	24.6260S	70.4038W	2620	From 2009-07-10
IPOC Station PB15	PB15	Chile	23.2083S	69.4709W	1830	From 2011-04-17
IPOC Station PB16	PB16	Chile	18.3351S	69.5077W	4480	From 2011-11-03
IPOC Station PX02	PX02	Tarapaca	18.9633S	70.1981W	990	From 2016-11-22
IPOC Station PX03	PX03	Tarapaca	20.4035S	69.6309W	990	From 2016-11-23
IPOC Station PX05	PX05	Antofagasta	21.9397S	70.0612W	1890	From 2016-11-09
Ipoh	IPM	Peninsular Malaysia,Malaysia	4.4795N	101.0255E	247	From 1979-05-26
Ipv	AIPV	Salta,Argentina	24.7874S	65.4197W	1180	From 2005-08-23
Iquique	IQQ	Tarapaca,Chile	20.2408S	70.1278W		From 1976-01-01
Iquique	ICC	Tarapaca,Chile	20.2840S	70.0350W	950	
Ira	IVT	Vermont,U.S.A.	43.5221N	73.0533W	295	
Irabujima	JIRB	Ryukyu Islands,Japan	24.8282N	125.1728E	19	From 2010-02-01
Iran Long-Period Array	IR5	Iran	35.2128N	50.5811E	1385	From 1976-01-01
Iran Long-Period Array	IR2	Iran	35.6628N	50.8976E	1172	From 1976-01-01
Iran Long-Period Array	IR1	Iran	35.4160N	50.6890E	1347	From 1976-01-01
Iran Long-Period Array	IR7	Iran	35.7028N	50.6089E	1305	From 1976-01-01
Iran Long-Period Array	IR6	Iran	35.4737N	50.4256E	1540	From 1976-01-01
Iran Long-Period Array	IR3	Iran	35.4761N	51.0238E	989	From 1976-01-01
Iran Long-Period Array	IR4	Iran	35.2387N	50.9012E	1373	From 1976-01-01
Iranshahr	IRSH	Iran	27.2000N	60.7000E	0	
Irapuato, Guanajuato	IGIG	Guanajuato,Mexico	20.7531N	101.3278W	1809	
Irene McRaven, Queen City	Z39A	Texas,U.S.A.	33.2418N	94.1822W	112	From 2010-04-27 to 2012-01-24
Irimote jima	IRI	Ryukyu Islands,Japan	24.3857N	123.7493E	9	From 1991-03-01
Iringa	IRIN	Tanzania,United Republic of Tanzania	7.7620S	35.6865E	1577	
Iriomote-Funauki	IRIF	Ryukyu Islands,Japan	24.3348N	123.7300E	5	From 2004-03-04
Iris	IRS	California,U.S.A.	33.1908N	115.4290W	-10	
IRIS PASSCAL Instrument Center, Socorro	Y22D	New Mexico,U.S.A.	34.0739N	106.9210W	1436	From 2007-09-29
IRIS PASSCAL Instrument Center, Socorro	Y22C	New Mexico,U.S.A.	34.0741N	106.9211W	1436	From 2004-05-07 to 2007-09-28
IRIS PASSCAL Instrument Center, Socorro	Y22E	New Mexico,U.S.A.	34.0742N	106.9208W	1444	From 2011-03-28 to 2012-08-06
Irkutsk	IRK	Irkutskaya Oblast',Russia	52.2431N	104.2711E	467	
Iron Bridge	E47A	Ontario,Canada	46.4547N	83.2777W	246	From 2012-11-09
Iron Canyon	IRC	California,U.S.A.	34.3885N	118.4030W	533	From 1971-11-01 to 2010-04-28
Iron Canyon	IR2C	California,U.S.A.	34.3881N	118.3997W	562	
Iron Mountain	IMU	Utah,U.S.A.	38.6331N	113.1580W	1832	From 1988-09-29
Iron Mountain	NIMB	California,U.S.A.	38.5614N	122.2654W	550	
Iron Mountain Pumping Sta,Desert Center	IRM	California,U.S.A.	34.1574N	115.1451W	567	From 2001-12-05
Iron Mountains	IRN	California,U.S.A.	34.1600N	115.1840W	980	
Iron Peak	KIPM	California,U.S.A.	39.8087N	123.4810W	1367	
Isaakyan	ISKY	Armenia	40.6000N	43.7000E	1435	
Isabella, Hillsboro	R34A	Kansas,U.S.A.	38.3008N	97.2470W	437	From 2010-05-17 to 2012-03-15
Isabella, Lake Isabella	ISA	California,U.S.A.	35.6628N	118.4740W	873	From 1946-03-16
Isangel	INH	Vanuatu	19.5472S	169.2730E	110	From 1970-06-10
Isanotski	ISTK	Alaska,U.S.A.	54.7321N	163.7063W	704	
Isanotski Lazaref River	ISLZ	Aleutian Islands, Alaska,U.S.A.	54.7260N	163.7110W	631	From 2009-01-01
Isanotski North	ISNN	Alaska,U.S.A.	54.8323N	163.7784W	466	
Ischia Castello Aragonese, Ischia (NA), Italy	ICAI	Italy	40.7313N	13.9653E	80	From 1996-01-01
Ischia Forio Monte Corvo (NA) Italy	IMTC	Italy	40.7209N	13.8758E	209	From 2015-04-17
Ischia Forio Punta Imperatore (NA) Italy	IFOR	Italy	40.7115N	13.8551E	234	From 2009-10-01
Ischia Osservatorio Casamicciola	IOCA	Italy	40.7468N	13.9014E	110	From 2011-02-09
Ischitella (FG) Italy	OT14	Italy	41.8967N	15.9069E	400	From 2013-04-15
Ise	JIE	Mie,Japan	34.3917N	136.7067E	135	
Ise	ISE	Mie,Japan	34.4585N	136.7740E	440	From 1963-10-01
Isernia Ospedale	ISNH	Italy	41.5837N	14.2231E	397	From 2019-05-22
Isfjord	ISF	Svalbard,Norway	78.0592N	13.6403E	5	
Ishigaki jima	ISI	Ryukyu Islands,Japan	24.3317N	124.1633E	6	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Ishigaki jima 2	JIJ	Ryukyu Islands,Japan	24.3635N	124.1428E	78	
Ishigakijimahirakubo	JISG	Ryukyu Islands,Japan	24.5870N	124.3107E	13	From 2010-02-01
Ishigaki Ryukyu Islands	ISHJ	Ryukyu Islands,Japan	24.3800N	124.2300E	50	
Ishihara	IHR	Kochi,Japan	33.6879N	133.4710E	510	From 1967-04-01 to 1999-08-25
Ishii	ISIK	Tokushima,Japan	34.0573N	134.4581E	27	
Ishikarishitsubu	JISS	Ishikari,Japan	43.2753N	141.4175E	60	From 2012-11-01
Ishinomaki	ISN	Miyagi,Japan	38.4250N	141.3030E	44	
Ishinomakikobuchihama	JIKH	Miyagi,Japan	38.3107N	141.4655E	58	From 2012-11-01
Ishipane	K05	Iwate,Japan	39.3822N	141.5139E	463	
Ishkashim	ISHK	Tajikistan	36.7033N	71.6388E	2557	From 1986-10-15
Ishtalitna Creek	H22K	Alaska,U.S.A.	65.8937N	151.3773W	561	From 2016-06-14
Ishtion	ISH	Tajikistan	38.8333N	70.7833E	1880	
Isiata (VE)	A301A	Italia	45.6198N	12.6210E	2	From 2015-10-29
Isikli	IKL	Turkey	36.2386N	33.6853E	120	From 1988-01-01
Iskenderun	COBT	Turkey	36.5197N	36.2556E	1710	From 1994-02-17
Isla Aves	IAV	Venezuela	15.7000N	63.6000W	0	
Isla Barro Colorado	BCIP	Panama	9.1665N	79.8373W	61	
Isla Caja de Muertos, Puerto Rico	ICMP	Puerto Rico	17.8863N	66.5267W	9	From 2009-10-01
Isla Caja Muertos	ICM	Puerto Rico	17.8934N	66.5210W	7	
Isla Coronado	CORX	Baja California	32.4154N	117.2480W	74	From 2018-05-17
Isla Dawson	MG03	Magallanes	53.8480S	70.4628W	102	From 2015-04-15
Isla de Alboran	ALR	Spain	35.9392N	3.0350W	10	From 1978-10-01 to 1999-08-25
Isla de Gorgona	GRGC	Colombia	3.0028N	78.1672W	64	From 2010-08-29
Isla de la Plata	ISPT	Ecuador	1.2621S	81.0736W	190	From 2008-12-18
Isla del Cano	IDC	Costa Rica	8.7133N	83.8698W	10	From 1987-01-01
Isla del Coco	ICO	Costa Rica	5.5461N	87.0555W	25	
Isla de Lobos, Fuerteventura	CLOB	Canary Islands	28.7649N	13.8149W	81	From 2014-10-27
Isla de Pascua	PSC	Easter Island,Chile	27.1583S	109.4340W	50	From 1965-08-01 to 1999-08-25
Isla de Pascua	VA02	Valparaso,Chile	27.1603S	109.4347W	49	From 2013-08-14
Isla de Providencia	PRVC	Colombia	13.3762N	81.3635W	63	From 2012-05-01
Isla Desecheo	IDE	Puerto Rico	18.3864N	67.4741W	203	From 1977-02-15
Isla e San Andrs, Archipielago de San Andres, Providencia y Santa Catalina	SAIC	Colombia	12.5372N	81.7120W	31	From 2018-11-16
Isla Fernandina	FERN	Galapagos,Ecuador	0.2667S	91.4450W	3	
Isla Gorgona, Cauca	CGR1C	Colombia	3.0028N	76.1669W	46	From 2013-12-04
Isla Guadalupe	IGM	Baja California,Mexico	28.8842N	118.2917W	65	
Isla Isabel II, Islas Chafarinas	CHAS	Morocco	35.1835N	2.4309W	86	From 2007-11-07 to 2009-04-12
Isla La Blanquilla	IBAV	Venezuela	11.8230N	64.5770W	100	From 2002-07-06
Isla La Orchila	ORCV	Venezuela	11.8120N	66.1940W	22	From 2003-01-15
Isla Las Cabras	ILCA	Chile	42.0606S	72.5367W	15	
Isla Los Monjes	IMOV	Venezuela	12.3590N	70.9020W	67	From 2003-10-10
Isla Los Testigos	ITEV	Venezuela	11.3550N	63.1320W	13	From 2002-07-10
Islamabad	ISBA	Pakistan	33.7000N	73.1000E	626	From 2010-11-28
Isla Mocha	BI04	Bio-Bio	38.4120S	73.8853W	26	From 2013-08-25
Isla Mona	IMOB	Puerto Rico	18.0500N	67.8700W	93	
Isla Mona	IMR	Puerto Rico	18.0884N	67.8463W	55	From 1975-11-14 to 1977-01-10
Isla Mona	IMO	Puerto Rico	18.1095N	67.9081W	3	From 1977-02-15
Island Lagoon	ILN	South Australia,Australia	31.3931S	136.8700E	137	
Isla Puna	ISPU	Ecuador	2.8078S	80.2415W	30	From 2012-12-05
Isla Puna-Puerto Grande	ISPG	Ecuador	2.9687S	80.1695W	500	From 2014-05-14
Isla Riesco	MG04	Magallanes	52.8572S	71.5700W	82	From 2015-02-14
Isla Saona	SAON	Dominican Republic	18.1833N	68.7667W	0	
Isla Saona	SADR	Dominican Republic	18.1923N	68.7792W	3	From 2014-10-07
Islas Columbretes	ECOL	Spain	39.8986N	0.6848E	41	From 2013-10-01
Islas Juan Fernandez	IJF	Juan Fernandez Islands,Chile	33.6167S	78.8333W	6	
Islas Marias	IMM	Nayarit,Mexico	21.6200N	106.5800W		
Isla Socorro	H06N	Colima,Mexico	18.8600N	110.9900W	10	
Isla Socorro	SRR	Colima,Mexico	18.7254N	110.9524W	60	From 1974-01-01
Isle de Caille	GRIC	Grenada	12.2856N	61.5858W	46	From 2003-05-23
Isle of Man	WIM	Isle of Man	54.1472N	4.6735W	365	From 1985-01-01
Isle of Wight	SIW	England,United Kingdom	50.6711N	1.3747W	162	
Isle Royale National Park	C40A	Michigan,U.S.A.	47.9154N	89.1514W	216	From 2011-09-28
Ismay	E23A	Montana,U.S.A.	46.4978N	105.3062W	750	From 2008-10-30 to 2010-08-04
Ismayilli	ISM	Azerbaijan	40.8060N	48.2100E	926	From 1982-01-01 to 2003-01-01
Ismayilli	IML	Azerbaijan	40.7930N	48.1820E	728	From 2003-03-29
Ismayilll	ISL	Azerbaijan	40.8100N	48.1700E	755	From 2003-01-01
Isoka	IKZ	Zambia	10.1713S	32.6460E	1350	From 1984-01-01
Isola	ISO	Provence-Cote d'Azur,France	44.1833N	7.0500E	876	From 1960-01-01
Isola di Gorgona	GROG	Italy	43.4262N	9.8920E	118	From 2005-08-03
Isola Di Gorgona	GORG	Italy	43.4276N	9.8946E	228	From 2003-09-30 to 2005-08-03
Isola di Marettimo	IMT	Sicily,Italy	37.9567N	12.0783E		
Isola Levanzo	LVI	Sicily,Italy	37.9861N	12.3389E	30	
Isola Levanzo	LV9	Sicily,Italy	37.9856N	12.3374E	20	
Isole Tremiti	TREM	Italia	42.1239N	15.5108E	113	From 2014-06-11
Isortoq, Greenland	ISOG	Greenland	65.5480N	38.9757W	12	From 2007-07-24
Isparta	ISP	Turkey	37.8226N	30.5221E	1100	
Isparta, Yalvac-Ozguney	YVAC	Turkey	38.2709N	31.2395E	1185	From 2014-12-01
ISPICA	ISPIC	Italy	36.7804N	14.9032E	165	From 2019-02-28
Ispir	EISP	Turkey	40.4873N	41.0080E	1200	From 2007-01-01 to 2012-08-31
Issarbe	ISSF	Aquitaine,France	43.0278N	0.7953W	1210	
Istanbul	ITU	Turkey	41.1062N	29.0148E	98	From 1989-01-02
Istanbul	IST	Turkey	41.0456N	28.9958E	50	From 1962-02-20 to 1989-01-02
Istanbul	IST1	Turkey	41.0433N	28.9850E	65	
Istanbul-Kandilli	ISK	Turkey	41.0656N	29.0592E	132	From 1935-01-01
Istric ta	ISRF	Romania	45.1186N	26.5433E	763	
Istrita	ISR	Romania	45.1188N	26.5431E	750	From 1977-03-01
ISU Calarasi	CLISU	Romania	44.1901N	27.3557E	59	From 2012-10-31
ISU Dolj	DJISU	Romania	44.2971N	23.8363E	160	From 2012-11-21
ISU Giurgiu	GRISU	Romania	43.8898N	25.9518E	66	From 2012-10-31
ISU Mehedinti	MHISU	Romania	44.6227N	22.6535E	102	From 2012-10-31
ISUMI INFRASONIC ARRAY REFERENCE POINT	I30JP	Chiba,Japan	35.3078N	140.3138E	52	From 2005-02-28
ISU Olt	OTISU	Romania	44.4278N	24.3755E	210	From 2012-10-31
ISU Teleorman	TRISU	Romania	43.9719N	25.3296E	87	From 2012-10-31
Itabira, Brazil	CHCR	Minas Gerais	19.6130S	43.2399W	980	From 2017-05-10
Itadori	ITD	Gifu,Japan	35.7238N	136.7804E	390	
Itaipu	ITB	Parana,Brazil	24.7936S	54.2089W	300	
Itaipu 1	ITB1	Parana,Brazil	24.6467S	54.3886W		From 1983-01-01
Itaipu 7	ITB7	Parana,Brazil	25.1222S	54.1753W	400	
Itaituba	ITTB	Para,Brazil	4.3672S	55.7343W	118	From 2014-05-05
Itaka	ITKT	Tanzania,United Republic of Tanzania	8.8728S	32.7830E	1590	From 1992-06-14
Itakohorinouchi	JIHU	Ibaraki,Japan	35.9658N	140.5258E	11	From 2012-07-01
Italian Canyon	ICI	Idaho,U.S.A.	44.3293N	112.9410W	2463	From 1992-01-01
Itanagar	INR	Arunachal Pradesh,India	27.0800N	93.6000E		From 1981-05-01
ITANAGAR	ITAN	Arunachal Pradesh,India	27.1446N	93.7219E	214	From 2011-05-01
Itanhaem-SP	PET01	Sao Paulo,Brazil	24.2901S	47.2753W	150	From 2011-01-30
Itaparica	ITR	Pernambuco,Brazil	8.7614S	38.4233W	321	
Itaparica 2	ITR2	Pernambuco,Brazil	9.0970S	38.2548W	375	
Itaparica 5	ITR5	Pernambuco,Brazil	8.9998S	38.4595W	315	
Itapeh - BA	NBIT	Bahia,Brazil	14.9307S	39.4345W	183	From 2011-10-13
Itaqui	ITQB	Rio Grande do Sul,Brazil	29.6714S	56.6241W	80	From 2013-12-01
Itatiaia	ITA	Rio de Janeiro,Brazil	22.3756S	44.7017W	2530	
Itaya	JFI	Fukuoka,Japan	33.4272N	130.3883E	660	
Itea	ITE1	Greece	38.4338N	22.4272E	14	From 2012-09-15
ITESIL, Dajabon	LODA1	Dominican Republic	19.5448N	71.7045W	42	From 2016-01-14
Itezhi-Tezhi	ITZ	Zambia	15.7465S	26.0157E	1106	From 1984-01-01
Ithaca	INY	New York,U.S.A.	42.4438N	76.4836W	238	From 1972-08-05
Ithaca	ITH	New York,U.S.A.	42.4500N	76.4833W	243	From 1909-01-01 to 1999-08-25
Ithaki	ITC1	Greece	38.3645N	20.7156E	1	From 2012-10-01
Ithomi	ITHO	Greece	37.1786N	21.9252E	400	
Ithomi	ITM	Greece	37.1797N	21.9267E	400	From 1974-10-01
Itkillik River	C23K	Alaska,U.S.A.	69.8360N	150.6126W	179	From 2016-06-20
Ito	ITO	Shizuoka,Japan	34.9667N	139.1000E		From 1937-06-01 to 1949-09-30
Itoigawa	ITGE	Niigata,Japan	37.0082N	137.9992E	270	
Itoiz	IPRE	Spain	42.8058N	1.3564W	530	From 2005-05-18
It Ong	MLVB	Vietnam	21.5060N	104.0315E	205	
Itumba	ITBT	Tanzania,United Republic of Tanzania	9.4287S	33.1858E	1270	From 1992-06-15
Iturama	ITRB	Minas Gerais,Brazil	19.7042S	50.3590W	431	From 2012-09-01 to 2099-01-01
Itzapa	ITG	Guatemala	14.5968N	90.8455W	2320	From 1984-07-01
Iul'tin	ILT	Magadanskaya Oblast',Russia	67.8700N	178.7300W	244	
Iuzhnay	IUG	Kazakhstan	42.1470N	70.0310E	1200	From 1989-09-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Ivancsa	A271A	Hungary	47.1547N	18.8341E	165	From 2016-01-13
Ivanjica	IVAS	Serbia	43.5764N	20.1524E	811	From 2008-10-22
Ivanof Bay	IVF	Alaska,U.S.A.	55.8958N	159.5300W	275	
Ivanovka	IVK	Irkutskaya Oblast',Russia	51.8009N	104.4140E	470	From 2011-05-29
Iverson Ranch	PIRM	California,U.S.A.	35.5544N	120.2234W	471	
IVIC	IVIV	Venezuela	10.4038N	66.9743W	2375	From 2004-02-17
Ivigtut	IVI	Greenland	61.2058N	48.1712W	15	From 2011-09-12
Ivujivik	IVKQ	Quebec,Canada	62.4184N	77.9113W	7	From 2006-09-16
Iwai-Kita	IWJ	Chiba,Japan	35.0981N	139.8714E	0	
Iwaki	IWK	Fukushima,Japan	37.0000N	140.9490E	35	
Iwakimizuishiyama	ONAJ	Fukushima,Japan	37.1017N	140.7983E	650	From 2002-03-28
Iwanai	IWN	Hokkaido,Japan	42.6705N	143.0462E	235	From 1976-07-01
Iwaosan	IWO	Mie,Japan	34.8825N	136.1322E	400	
Iwasaki	JIW	Aomori,Japan	40.5928N	140.0070E	330	
Iwateshizukuishi	JSZI	Iwate,Japan	39.7415N	140.9527E	256	From 2012-07-01
Iwatsuki	IWT	Saitama,Japan	35.9258N	139.7381E	-3501	
Iwo jima	YUO	Bonin Islands,Japan	24.7833N	141.3170E		
Ixhuatan	IHC	Chiapas,Mexico	17.2906N	93.0083W		
Ixpaco	IXG	Guatemala	14.1717N	90.4413W	1520	From 1984-10-01
Ixtacomitan	IXC	Chiapas,Mexico	17.4272N	93.1008W		
Ixtapalapa	IXT	Mexico D.F.,Mexico	19.4000N	99.1000W		
Iza	SRO1	Slovakia	47.7622N	18.2328E	111	From 2004-09-25
Izabal, Puerto Barrios	IZABA	Guatemala	15.7300N	88.5843W	10	From 2013-01-01
Izabela	IZAB	Slovakia	48.5689N	19.7126E	450	From 2013-11-20
Izee	I07A	Oregon,U.S.A.	44.0820N	119.5042W	1293	From 2006-07-21 to 2009-01-08
Izmir	URLA	Turkey	38.3602N	26.5955E	495	From 2005-05-03
Izmir	IZM	Turkey	38.3978N	27.2625E	632	From 1973-03-18
zmir	DGB	Turkey	38.0521N	26.8826E	22	From 2007-04-04
zmir	ZEY	Turkey	38.2389N	26.5033E	76	From 2007-11-30
zmir-Bergama	ZEDA	Turkey	38.9665N	27.0771E	174	From 2013-02-19
Izmir, Urla-Zeytineli	ZEYE	Turkey	38.2390N	26.5032E	75	From 2014-12-02
Iznik	IZN	Turkey	40.4338N	29.7605E	195	From 1978-11-01 to 1999-08-25
Iznik	IZI	Turkey	40.3368N	29.4728E	910	From 1990-01-01
Izon-la-Bruisse	OG28	Rhone-Alpes,France	44.2582N	5.5975E	1040	From 1991-07-18
Iztapalapa	IPVM	Mexico D.F.	19.3460N	99.0913W	2369	
Izuhara	IZU	Nagasaki,Japan	34.1950N	129.2933E	18	
Izuhara	IZUJ	Nagasaki,Japan	34.1950N	129.2930E	3	From 1991-09-01
Izuhara 2	IZU2	Nagasaki,Japan	34.2273N	129.2733E	410	From 1991-02-26 to 2002-10-23
Izuhatsuma	JHTM	Shizuoka,Japan	34.9588N	139.0087E	230	From 2012-11-01
Izumi	JIU	Kumamoto,Japan	32.5733N	130.7933E	230	
Izumi	IZT	Hyogo,Japan	34.9722N	134.8876E	230	
Izumi 2	JIU2	Kumamoto,Japan	32.5453N	130.8145E	260	
Izumi3	JIU3	Kumamoto,Japan	32.5490N	130.8127E	250	From 2013-04-01
Izumosakaura	JISK	Shimane,Japan	35.5005N	132.8488E	166	From 2013-07-01
Izumozaki	JIZZ	Niigata,Japan	37.5317N	138.7095E	40	
Izushimoda	JIZS	Shizuoka,Japan	34.7178N	138.8782E	135	
Izvestkoviy	IZV	Kazakhstan	43.0360N	76.6130E	1720	From 1992-09-01
Izvoarele	IZVR	Romania	45.5432N	27.7672E	59	From 2013-09-28
Izvoarele B	IZVB	Romania	45.5619N	27.7686E	58	From 2013-10-05
J06A7	J06A7	Pacific Ocean West Coast USA	43.2515N	128.8010W	-3224	From 2011-11-19 to 2012-05-14
J06B	J06B	Pacific Ocean West Coast USA	43.2652N	128.7997W	-3220	From 2012-08-26 to 2013-06-07
J06D	J06D	Pacific Ocean West Coast USA	43.2526N	128.8041W	-3245	From 2014-07-28 to 2015-08-03
J09B	J09B	Pacific Ocean West Coast USA	40.2011N	124.7270W	-252	From 2012-09-01 to 2013-06-21
J09D	J09D	Pacific Ocean West Coast USA	43.1514N	124.7271W	-252	From 2014-09-10 to 2015-10-07
J10B	J10B	Pacific Ocean West Coast USA	43.3494N	125.5435W	-3093	From 2012-08-31 to 2013-06-18
J10D	J10D	Pacific Ocean West Coast USA	43.3485N	125.5451W	-3085	From 2014-09-09 to 2015-10-03
J11B	J11B	Pacific Ocean West Coast USA	43.5414N	126.3673W	-3030	From 2012-08-30 to 2013-08-10
J11D	J11D	Pacific Ocean West Coast USA	43.5416N	126.3686W	-3000	From 2014-07-12 to 2015-09-01
J17B	J17B	Pacific Ocean West Coast USA	43.7900N	124.6148W	-286	From 2012-07-16 to 2013-06-29
J17D	J17D	Pacific Ocean West Coast USA	43.7873N	124.6134W	-285	From 2014-09-09 to 2015-10-03
J18B	J18B	Pacific Ocean West Coast USA	44.0083N	125.4660W	-3047	From 2012-08-31 to 2013-06-18
J18D	J18D	Pacific Ocean West Coast USA	43.9772N	125.4814W	-3050	From 2014-09-08 to 2015-10-10
J19B	J19B	Pacific Ocean West Coast USA	44.1777N	126.2717W	-2968	From 2012-08-30 to 2013-06-10
J19D	J19D	Pacific Ocean West Coast USA	44.1790N	126.2712W	-2955	From 2014-07-11 to 2015-09-01
J20B	J20B	Pacific Ocean West Coast USA	44.3542N	127.0952W	-2934	From 2012-09-05 to 2013-05-06
J20D	J20D	Pacific Ocean West Coast USA	44.3604N	127.1085W	-2936	From 2014-07-25 to 2015-09-09
J21C	J21C	Pacific Ocean West Coast USA	44.5342N	128.0376W	-2847	From 2013-08-08 to 2014-05-15
J23A7	J23A7	Pacific Ocean West Coast USA	44.8440N	129.6825W	-2655	From 2011-11-21 to 2012-05-15
J23B	J23B	Pacific Ocean West Coast USA	44.8459N	129.6821W	-2650	From 2012-08-24 to 2013-06-06
J23C	J23C	Pacific Ocean West Coast USA	44.8438N	129.6810W	-2653	From 2013-08-08 to 2014-05-15
J23D	J23D	Pacific Ocean West Coast USA	44.8274N	129.6805W	-2687	From 2014-07-26 to 2015-09-10
J25A7	J25A7	Pacific Ocean West Coast USA	44.4729N	124.6216W	-142	From 2011-10-21 to 2012-07-18
J25B	J25B	Pacific Ocean West Coast USA	44.4713N	124.6217W	-147	From 2012-07-15 to 2013-06-27
J25C	J25C	Pacific Ocean West Coast USA	44.4730N	124.6217W	-144	From 2013-08-22 to 2014-06-01
J25D	J25D	Pacific Ocean West Coast USA	44.4567N	124.6310W	-136	From 2014-09-21 to 2015-10-01
J26A7	J26A7	Pacific Ocean West Coast USA	44.6547N	125.4664W	-2864	From 2011-10-21 to 2012-07-15
J26C	J26C	Pacific Ocean West Coast USA	44.6534N	125.4653W	-2868	From 2013-09-06 to 2014-06-24
J26D	J26D	Pacific Ocean West Coast USA	44.6577N	125.4670W	-2880	From 2014-09-08 to 2015-09-04
J27B	J27B	Pacific Ocean West Coast USA	44.8476N	126.3069W	-2824	From 2012-08-24 to 2013-06-04
J27D	J27D	Pacific Ocean West Coast USA	44.8489N	126.3083W	-2814	From 2014-07-11 to 2015-09-01
J28A7	J28A7	Pacific Ocean West Coast USA	45.0636N	127.1564W	-2867	From 2011-11-16 to 2012-05-16
J28B	J28B	Pacific Ocean West Coast USA	45.0631N	127.1552W	-2866	From 2012-08-24 to 2013-06-04
J28C	J28C	Pacific Ocean West Coast USA	45.0617N	127.1567W	-2889	From 2013-08-02 to 2014-05-21
J28D	J28D	Pacific Ocean West Coast USA	45.0301N	127.1560W	-2855	From 2014-07-11 to 2015-09-02
J29A7	J29A7	Pacific Ocean West Coast USA	45.1757N	128.0084W	-2849	From 2011-11-20 to 2012-05-16
J29C	J29C	Pacific Ocean West Coast USA	45.1731N	128.0058W	-2816	From 2013-08-02 to 2014-07-06
J30A7	J30A7	Pacific Ocean West Coast USA	45.4242N	128.9069W	-2824	From 2011-11-20 to 2012-05-15
J30C	J30C	Pacific Ocean West Coast USA	45.4261N	128.9100W	-2786	From 2013-08-07 to 2014-05-15
J31A7	J31A7	Pacific Ocean West Coast USA	45.5531N	129.6727W	-2657	From 2011-11-21 to 2012-05-16
J31C	J31C	Pacific Ocean West Coast USA	45.5519N	129.6724W	-2624	From 2013-08-07 to 2014-05-15
J32C	J32C	Pacific Ocean West Coast USA	45.7145N	130.6030W	-2756	From 2013-08-08 to 2014-05-15
J33A7	J33A7	Pacific Ocean West Coast USA	45.1066N	124.5708W	-348	From 2011-10-16 to 2012-07-18
J33B	J33B	Pacific Ocean West Coast USA	45.1066N	124.5706W	-350	From 2012-07-14 to 2013-06-26
J33C	J33C	Pacific Ocean West Coast USA	45.1068N	124.5708W	-354	From 2013-08-22 to 2014-05-29
J34A7	J34A7	Pacific Ocean West Coast USA	45.3057N	125.4145W	-2574	From 2011-10-16 to 2012-07-17
J34C	J34C	Pacific Ocean West Coast USA	45.3070N	125.4152W	-2580	From 2013-09-06 to 2014-06-24
J35A7	J35A7	Pacific Ocean West Coast USA	45.4989N	126.2668W	-2662	From 2011-10-20 to 2012-07-17
J35C	J35C	Pacific Ocean West Coast USA	45.4995N	126.2683W	-2655	From 2013-08-09 to 2014-05-19
J36A7	J36A7	Pacific Ocean West Coast USA	45.6855N	127.1225W	-2821	From 2011-10-19 to 2012-07-17
J36C	J36C	Pacific Ocean West Coast USA	45.6865N	127.1252W	-2812	From 2013-08-09 to 2014-05-20
J37A7	J37A7	Pacific Ocean West Coast USA	45.8642N	127.9853W	-2862	From 2011-11-28 to 2012-05-16
J37C	J37C	Pacific Ocean West Coast USA	45.8635N	127.9853W	-2886	From 2013-08-02 to 2014-05-20
J38A7	J38A7	Pacific Ocean West Coast USA	46.0395N	128.8531W	-2734	From 2011-11-23 to 2012-05-17
J38C	J38C	Pacific Ocean West Coast USA	46.0389N	128.8536W	-2731	From 2013-08-07 to 2014-05-16
J39A7	J39A7	Pacific Ocean West Coast USA	46.1760N	129.6441W	-2659	From 2011-11-22 to 2012-05-17
J39C	J39C	Pacific Ocean West Coast USA	46.1761N	129.6438W	-2656	From 2013-08-06 to 2014-05-16
J41A7	J41A7	Pacific Ocean West Coast USA	45.8119N	124.5372W	-175	From 2011-07-25 to 2012-07-13
J41C	J41C	Pacific Ocean West Coast USA	45.8117N	124.5376W	-171	From 2013-08-30 to 2014-06-24
J42A7	J42A7	Pacific Ocean West Coast USA	45.9331N	125.2997W	-1540	From 2011-10-16 to 2012-07-17
J42C	J42C	Pacific Ocean West Coast USA	45.9323N	125.2991W	-1550	From 2013-09-05 to 2014-06-29
J43A7	J43A7	Pacific Ocean West Coast USA	46.1378N	126.1721W	-2654	From 2011-10-19 to 2012-07-16
J43C	J43C	Pacific Ocean West Coast USA	46.1370N	126.1725W	-2645	From 2013-08-09 to 2014-05-19
J44A	J44A	Pacific Ocean West Coast USA	46.3230N	127.0390W	-2724	From 2011-10-19 to 2012-07-17
J44C	J44C	Pacific Ocean West Coast USA	46.3240N	127.0407W	-2742	From 2013-08-09 to 2014-05-19
J45A7	J45A7	Pacific Ocean West Coast USA	46.5209N	127.9049W	-2757	From 2011-11-28 to 2012-05-18
J45C	J45C	Pacific Ocean West Coast USA	46.5209N	127.9047W	-2742	From 2013-08-03 to 2014-07-07
J46A7	J46A7	Pacific Ocean West Coast USA	46.6639N	128.7883W	-2744	From 2011-11-23 to 2012-05-18
J46C	J46C	Pacific Ocean West Coast USA	46.6645N	128.7894W	-2744	From 2013-08-07 to 2014-05-16
J47A7	J47A7	Pacific Ocean West Coast USA	46.8433N	129.7135W	-2685	From 2011-11-23 to 2012-05-17
J47C	J47C	Pacific Ocean West Coast USA	46.8440N	129.7139W	-2679	From 2013-08-07 to 2014-05-16
J48A7	J48A7	Pacific Ocean West Coast USA	47.1304N	130.6513W	-2973	From 2011-11-23 to 2012-05-17
J48B	J48B	Pacific Ocean West Coast USA	47.1282N	130.6385W	-2877	From 2012-08-25 to 2013-06-06
J48C	J48C	Pacific Ocean West Coast USA	47.1295N	130.6507W	-2940	From 2013-08-06 to 2014-05-17
J49A7	J49A7	Pacific Ocean West Coast USA	46.4378N	124.4275W	-120	From 2011-07-26 to 2012-07-13
J49C	J49C	Pacific Ocean West Coast USA	46.4380N	124.4278W	-113	From 2013-08-30 to 2014-06-29
J50A	J50A	Pacific Ocean West Coast USA	46.6402N	125.2991W	-1909	From 2011-10-17 to 2012-07-20
J50C	J50C	Pacific Ocean West Coast USA	46.6411N	125.2987W	-1931	From 2013-09-04 to 2014-06-30
J51A	J51A	Pacific Ocean West Coast USA	46.7970N	126.1641W	-2610	From 2011-10-19 to 2012-07-18
J51C	J51C	Pacific Ocean West Coast USA	46.7957N	126.1631W	-2626	From 2013-09-06 to 2014-07-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
J52A7	J52A7	Pacific Ocean West Coast USA	46.9920N	127.0159W	-2613	From 2011-11-28 to 2012-05-18
J52C	J52C	Pacific Ocean West Coast USA	46.9920N	127.0158W	-2640	From 2013-08-20 to 2014-05-31
J53A	J53A	Pacific Ocean West Coast USA	47.1642N	127.9221W	-2686	From 2011-11-28 to 2012-05-18
J53C	J53C	Pacific Ocean West Coast USA	47.1643N	127.9223W	-2717	From 2013-08-20 to 2014-05-31
J54A7	J54A7	Pacific Ocean West Coast USA	47.3358N	128.8116W	-2662	From 2011-11-27 to 2012-05-18
J54C	J54C	Pacific Ocean West Coast USA	47.3358N	128.8113W	-2666	From 2013-08-03 to 2014-05-18
J55A7	J55A7	Pacific Ocean West Coast USA	47.5305N	129.7076W	-2800	From 2011-11-24 to 2012-05-19
J55C	J55C	Pacific Ocean West Coast USA	47.5315N	129.7078W	-2755	From 2013-08-06 to 2014-05-17
J57A7	J57A7	Pacific Ocean West Coast USA	47.0801N	124.4505W	-55	From 2011-10-17 to 2012-07-14
J57C	J57C	Pacific Ocean West Coast USA	47.0804N	124.4506W	-67	From 2013-09-02 to 2014-06-28
J58A7	J58A7	Pacific Ocean West Coast USA	47.3188N	125.5344W	-1511	From 2011-10-18 to 2012-07-11
J58C	J58C	Pacific Ocean West Coast USA	47.3178N	125.5346W	-1527	From 2013-09-04 to 2014-06-27
J59A7	J59A7	Pacific Ocean West Coast USA	47.5096N	126.4153W	-2371	From 2011-10-19 to 2012-07-11
J59C	J59C	Pacific Ocean West Coast USA	47.5111N	126.4168W	-2389	From 2013-09-05 to 2014-06-27
J61A7	J61A7	Pacific Ocean West Coast USA	47.8725N	128.1972W	-2644	From 2011-11-27 to 2012-05-20
J61C	J61C	Pacific Ocean West Coast USA	47.8728N	128.1972W	-2673	From 2013-08-20 to 2014-05-31
J63A7	J63A7	Pacific Ocean West Coast USA	48.2065N	130.0033W	-2882	From 2011-11-25 to 2012-05-19
J63B	J63B	Pacific Ocean West Coast USA	48.2054N	130.0019W	-2857	From 2012-08-25 to 2013-06-05
J63C	J63C	Pacific Ocean West Coast USA	48.2047N	130.0053W	-2845	From 2013-08-05 to 2014-05-17
J65A	J65A	Pacific Ocean West Coast USA	47.8913N	125.1396W	-165	From 2011-10-17 to 2012-07-15
J65C	J65C	Pacific Ocean West Coast USA	47.8913N	125.1398W	-169	From 2013-08-19 to 2014-05-29
J67A	J67A	Pacific Ocean West Coast USA	48.1500N	127.0842W	-2612	From 2011-11-26 to 2012-05-19
J67C	J67C	Pacific Ocean West Coast USA	48.1510N	127.0868W	-2581	From 2013-08-05 to 2014-05-19
J68A	J68A	Pacific Ocean West Coast USA	48.4810N	127.8292W	-2590	From 2011-11-25 to 2012-05-20
J68C	J68C	Pacific Ocean West Coast USA	48.4811N	127.8293W	-2587	From 2013-08-20 to 2014-05-31
J69C	J69C	Pacific Ocean West Coast USA	48.6270N	128.7386W	-2544	From 2013-08-05 to 2014-05-17
J73A	J73A	Pacific Ocean West Coast USA	48.7677N	126.1925W	-143	From 2011-10-18 to 2012-07-16
J73C	J73C	Pacific Ocean West Coast USA	48.7679N	126.1926W	-133	From 2013-08-19 to 2014-05-30
Jabagly	JBG	Kazakhstan	42.4230N	70.5440E	1470	From 1991-09-01
Jabal Ad Dan - Dhamar Gov. - Yemen	ADDN	Yemen	14.3530N	43.8530E	2473	From 1997-01-20
Jabal al Asfar	ASF	Jordan	32.1723N	36.8972E	937	
Jabal al Khashab	KHB	Egypt	29.9280N	30.9750E	265	
Jabal al Moallq	JMOS	Saudi Arabia	29.1686N	35.1094E		
Jabal at Tayr	GTR	Egypt	25.5096N	30.5595E	160	
Jabal bu Thady	BTHT	Tunisia	35.1323N	10.2852E	240	
Jabal Farasan	FRJS	Saudi Arabia	22.5905N	39.3638E		
Jabal Katrina	HKAT	Egypt	28.5229N	33.9928E	1746	
Jabal Laban	LBNS	Saudi Arabia	21.0465N	39.9013E		
Jabal Madar	JMDO	Oman	22.3701N	58.1035E	350	From 2001-07-01
Jabal Masmas	HMSM	Egypt	22.8814N	31.8890E	380	
Jabal Moqyreh	JMQS	Saudi Arabia	28.8861N	35.8778E		
Jabalpur	JBP	Madhya Pradesh,India	23.1667N	79.9833E	0	
Jacaque	SOEJ	Bolivia	16.9751S	68.1915W	4093	From 2016-08-10
Jackboy Hill	MJHT	Montserrat	16.7672N	62.1698W	149	
Jackerath	JCK	Nordrhein-Westfalen,Germany	51.0350N	6.4309E	-240	From 1981-01-01
Jackman	JKM	Maine,U.S.A.	45.6555N	70.2426W	378	
Jack Peak	JPK	Alaska,U.S.A.	61.0552N	146.5978W	835	
Jackson	JS-TN	Tennessee,U.S.A.	35.6556N	88.6128W	152	From 1961-12-11 to 1962-06-28
Jackson	348A	Alabama,U.S.A.	31.4129N	87.9023W	57	From 2011-03-20 to 2013-01-25
Jackson	JS-	Tennessee,U.S.A.	35.6556N	88.6128W	152	From 1961-12-11 to 1962-06-28
Jackson	G14A	Montana,U.S.A.	45.2432N	113.4604W	2140	From 2006-11-10 to 2009-06-10
Jackson Bay	JCZ	South Island,New Zealand	44.0732S	168.7855E	1062	From 2004-06-23
Jackson Lake Dam	JLDW	Wyoming,U.S.A.	43.8562N	110.5873W	2074	
Jackson Lee, Bay Springs	246A	Mississippi,U.S.A.	32.0143N	89.1286W	113	From 2011-03-26
Jacksonville	238A	Texas,U.S.A.	32.0034N	95.1203W	126	From 2010-02-22 to 2011-12-11
Jacksonville	JAC	Florida,U.S.A.	30.4167N	81.6500W	9	From 1950-01-01 to 1956-12-31
Jacmel	JAKH	Haiti	18.2377N	72.5180W	47	
Jacoby Creek, Bayside	JCC	California,U.S.A.	40.8175N	124.0296W	27	From 2001-04-11
JACO, Garabito, Puntarenas	JACO	Costa Rica	9.6624N	84.6595W	85	From 2011-02-18
Jacura	JACV	Venezuela	11.0880N	68.8300W	349	From 2002-10-30
Jacuzzi	JCUZ	Hawaii,U.S.A.	19.3841N	155.1016W	753	
Jaen	EXJA	Spain	37.7720N	3.7890W	549	
Jafarie	QJF1	Iran	34.7726N	50.5071E	1000	
Jaglot	DDJ	Pakistan	35.6900N	74.6040E	1575	From 2012-01-01
Jago River	C27K	Alaska,U.S.A.	69.6260N	143.7114W	392	From 2016-06-23
Jaguaretama	CS6B	Ceara,Brazil	5.4945S	38.6708W	112	From 2003-10-03 to 2005-06-16
Jahan bin	JHBN	Iran	32.2312N	50.6657E	2657	From 2011-01-01
Jahrom	JHRM	Iran	28.5053N	53.5771E	1019	From 2011-01-17
Jahuel	JACH	Aconcagua,Chile	32.6819S	70.5929W	1075	
Jaisalmer	JASL	Rajasthan,India	26.9243N	70.9030E	223	From 2002-01-18
Jajag, Banyuwangi	JAGI	Jawa,Indonesia	8.4702S	114.1521E	171	From 2008-07-21
Jakar	BUMT	Bhutan	27.5477N	90.7664E	2772	
Jakarta	DJA	Jawa,Indonesia	6.1833S	106.8362E	8	
Jalalah	GLL	Egypt	29.5772N	31.7081E	530	
Jalan Bani Buhassan	JLN	Oman	22.1505N	59.4108E	190	
Jalcomulco	JAUV	Veracruz	19.3662N	96.8032W	556	
JALPAIGURI	JPG	West Bengal	26.5470N	88.7160E	75	From 2018-02-08
Jama	JAMA	Ecuador	0.2612S	80.2058W	680	From 1992-02-05
Jamag	JMAG	Xizang Zizhiqu,China	29.6880N	91.6694E	4160	From 2004-06-14
JAMBI	JMBI	Jawa,Indonesia	1.6335S	103.6417E	0	From 2005-01-01
James Farms, Milford	R14A	Utah,U.S.A.	38.2987N	113.0213W	1542	From 2007-02-27 to 2008-09-18
Jamestown	P50A	Ohio,U.S.A.	39.6086N	83.7988W	318	From 2012-06-19
Jamestown	JMS1	South Australia,Australia	33.2045S	138.6092E	460	From 2011-06-29
Jamestown	JAS	California,U.S.A.	37.9466N	120.4393W	428	From 1964-01-01 to 1984-06-30
Jamestown	JAS1	California,U.S.A.	37.9267N	120.4210W	398	From 1984-07-03 to 1986-11-06
Jamestown	U50A	Tennessee,U.S.A.	36.4156N	84.8431W	474	From 2012-05-28
Jamestown Central School	AUJCS	South Australia,Australia	33.2000S	138.6100E	464	From 2013-08-11
JAMIA UNIVERSITY	JMIU	Delhi	28.5690N	77.2920E	189	From 2017-11-17
Jammu	JMU	Jammu and Kashmir,India	32.7167N	74.9000E		
Jamui	JMUI	India	24.9280N	86.2270E	79	From 2018-03-21
Jamundi, Valle del Cauca	JAMC	Colombia	3.2148N	76.6734W	1760	From 2017-02-15
Janakpur	JANA	Nepal	26.7107N	85.9242E	77	From 2001-11-13 to 2002-06-03
Jandula	JAND	Spain	38.2200N	3.9700W	645	From 2006-05-01
Jangheung	KSJAH	Republic of Korea	34.6847N	126.9196E	0	From 2000-12-08
Jangngalda	ST34	Xizang Zizhiqu,China	33.4086N	88.7644E	4989	From 1998-07-10 to 1998-10-03
Jangpyeong	KUJA	Republic of Korea	34.8885N	128.6047E	-3	From 2012-10-09
Jangsu	KSJAS	Republic of Korea	35.6569N	127.5203E	407	From 2002-10-21
Janina	JAN	Greece	39.6567N	20.8508E	540	
Jan Mayen	JMI	Jan Mayen Island,Norway	70.9283N	8.7308W	50	From 1996-01-18
Jan Mayen	JMIC	Norway	70.9866N	8.5052W	158	
Jan Mayen East	JNE	Jan Mayen Island,Norway	70.9900N	8.2970W	57	From 1996-01-18
Jan Mayen temporary station	JMIM	Jan Mayen Island	70.9225N	8.7138W	78	From 2017-05-08 to 2017-08-12
Jan Mayen West	JNW	Jan Mayen Island,Norway	71.0290N	8.4280W	95	From 1996-01-18
Jannena	JAN2	Greece	39.6640N	20.8519E	509	From 2011-06-15
Jannena	JAN3	Greece	39.6838N	20.8377E	476	From 2011-06-15
Januaria	JAN03	Minas Gerais,Brazil	15.1363S	44.2479W	622	From 2007-01-01 to 2008-12-31
Januaria	JANB	Minas Gerais,Brazil	15.0580S	44.3112W	686	From 2008-01-01
Januaria	JAN07	Minas Gerais,Brazil	15.0579S	44.3120W	686	From 2007-01-01 to 2008-12-31
Januaria	JAN06	Minas Gerais,Brazil	14.9963S	44.2909W	727	From 2007-01-01 to 2008-12-31
Januaria	JAN09	Minas Gerais,Brazil	15.0373S	44.2457W	780	From 2007-01-01 to 2008-12-31
Januaria	JAN08	Minas Gerais,Brazil	15.0413S	44.2969W	710	From 2007-01-01 to 2008-12-31
Jaout	JAU	Aquitaine,France	43.0380N	0.3693W	1545	
Jarabacoa	DR07	Dominican Republic	19.0856N	70.5981W	1030	
Jarash	JARJ	Jordan	32.2375N	35.9461E	840	From 1984-10-01
Jardin	JDN	Chiapas,Mexico	17.1650N	92.5000W	920	
Jardin Botanico, Parque La Carolina, Iaquito, Quito, Ecuador	EBPC	Ecuador	0.1863S	78.4853W	2787	From 2016-05-13
Jarkent	DJR	Kazakhstan	44.3320N	79.7900E	1080	From 1987-09-01
Jarkhoshk	JRKH	Iran	35.9079N	60.3494E	1205	From 2011-10-26
Jaromillo Abaja	AJB2	Panama	8.7530N	82.4068W	1314	
Jarrell	435A	Texas,U.S.A.	30.7830N	97.5851W	247	From 2009-11-11 to 2010-01-15
Jarrell	435B	Texas,U.S.A.	30.7827N	97.5850W	248	From 2010-01-15
Jarrettsville	P59A	Maryland,U.S.A.	39.6101N	76.4327W	157	From 2013-04-27
Jask	JSK1	Iran	25.6379N	57.7701E	15	From 2013-05-15
Jask - Hormozgan	JASK	Iran	25.8671N	57.8663E	232	From 2016-04-25
JASK -SHIRAHAN	JSSH	Iran	25.9122N	57.3869E	28	From 2019-05-29
Jasper	JA-	Minnesota,U.S.A.	43.8900N	96.3214W	518	
Jasper	JA-MN	Minnesota,U.S.A.	43.8900N	96.3214W	518	
Jasper	JP-	Alberta,Canada	52.8972N	118.0903W	1128	
Jasper	JP-AT	Alberta,Canada	52.8972N	118.0903W	1128	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Jasper	Y48A	Alabama,U.S.A.	33.9131N	87.1696W	170	From 2011-12-17
Jasper Ridge	JRSC	California,U.S.A.	37.4037N	122.2387W	70	From 1994-06-30
Jatai	JATB	Goias,Brazil	17.8929S	51.4929W	819	From 2004-01-07 to 2006-08-09
Jatiwangi	JCJI	Jawa,Indonesia	6.4900S	108.2700E	0	
Jato	JAT	Guatemala	14.3180N	91.6367W	68	From 1979-11-01
J.Aulia	JAWL	Sudan	15.2375N	32.4941E	398	From 2003-11-01
Jaun, Euschelspass, FR	JAUN	Switzerland	46.6339N	7.2910E	1658	From 2018-08-23
Jausiers	JAUF	Provence-Cote d'Azur,France	44.4292N	6.7500E	1585	From 1990-09-12
Javornik	JAVS	Slovenia	45.8934N	14.0643E	1100	From 2004-01-01
Jawi	JAWI	Ethiopia,Ethiopia	11.5710N	36.4913E	1228	From 2014-04-10 to 2017-12-01
Jaww	BJA	Bahrain	25.9917N	50.6083E		
Jayapura	JAY	Irian Jaya,Indonesia	2.5148S	140.7047E	400	From 1973-04-01
Jayaque - finca La Azucena	JAYA	El Salvador	13.6543N	89.4489W	1374	
Jazan	JAZS2	Saudi Arabia	16.7587N	43.0486E	100	
Jazzator, Altay Republic, Russia	DGZ	Altayskiy Kray,Russia	49.7005N	87.4316E	1606	From 2003-08-20
J Bar K, Exeter	N33B	Nebraska	40.7371N	97.4511W	482	From 2014-03-10
J Bar K, Exeter	N33A	Nebraska,U.S.A.	40.7384N	97.4506W	475	From 2010-06-17 to 2012-04-22
Jbel Babet	JBB	Morocco	35.0130N	4.1980W	1230	From 1994-08-10
Jbel Lahdid	JHA	Morocco	31.7360N	9.4540W	725	
Jbel Ouklim	JOK	Morocco	31.4060N	5.5650W	1669	
JBK	JBK	Morocco	34.3350N	2.5670W	1774	
J-C Ranch, Comstock	530A	Texas,U.S.A.	30.1489N	101.3379W	636	From 2009-02-24 to 2011-01-19
Jecheon	JECH	Republic of Korea	37.1595N	128.1945E	272	From 2015-10-01
Jecheon	KSJEC	Republic of Korea	37.1538N	128.1912E	263	From 2000-11-20
Jeddah	JEDS	Saudi Arabia	21.7197N	39.4161E	215	
Jedey, El Paso, La Palma	CJED	Canary Islands	28.5792N	17.8703W	871	From 2017-05-24
Jedway, Haida Gwaii	JEDB	British Columbia,Canada	52.2931N	131.1976W	328	From 2018-01-31
Jeeralang Junction	JENM	Victoria,Australia	38.3507S	146.4197E	330	
Jefferson	P23A	Colorado,U.S.A.	39.3741N	105.8388W	3006	From 2008-06-24 to 2010-06-16
Jefferson College	JCMO	Illinois,U.S.A.	38.2575N	90.5585W	237	
Jehonathan	JNI	Israel	32.9500N	35.8270E	500	
Jehsanih	JEHI	Bali,Indonesia	8.0833S	115.2130E	60	
Jeju	KSJJU	Republic of Korea	33.4306N	126.5463E	542	From 2003-12-03
Jena	JE-LA	Louisiana,U.S.A.	31.7847N	92.0153W	46	From 1964-02-06 to 1967-01-16
Jena	JEN	Thuringen,Germany	50.9519N	11.5833E	193	
Jena (USA)	JE-	Louisiana,U.S.A.	31.7847N	92.0153W	46	From 1964-02-06 to 1967-01-16
Jenkinsville	JSC	South Carolina,U.S.A.	34.2817N	81.2603W	120	
Jenks	V36A	Oklahoma,U.S.A.	35.7863N	95.9425W	236	From 2010-06-10 to 2012-02-09
Jennings River	R33M	British Columbia,Canada	59.3946N	130.9673W	1437	From 2016-07-21
Jenolan Black	JBRM	New South Wales,Australia	33.7618S	150.0486E	1235	
Jenolan Caves	JNL	New South Wales,Australia	33.8257S	150.0219E	829	From 1959-01-01
Jensen Ranch, Palermo	B26A	North Dakota,U.S.A.	48.3762N	102.2341W	708	From 2009-07-29 to 2011-07-24
Jenson Cabin	JECI	Idaho,U.S.A.	44.3722N	114.1840W	2135	From 1983-12-01
Jeongeup	KSJEU	Republic of Korea	35.4935N	126.9298E	182	From 2003-11-26
Jeongja	JEJB	Republic of Korea	35.6379N	129.4408E	-90	From 2016-12-16
JEONGSEON	KSJES	Republic of Korea	37.4303N	128.6654E	414	From 2006-12-30
Jeonju	KSCHO	Republic of Korea	35.8178N	127.1542E	53	From 1999-05-18
Jeonju	KSJEO	Republic of Korea	35.9379N	127.2928E	176	From 2007-12-12
Jepson Natural Reserve, California	JEPS	California	38.2579N	121.8263W	7	From 2018-09-01
Jequitai-MG	JQT1	Minas Gerais	17.2394S	44.3577W	615	From 2015-06-01
Jerantut	JRMM	Peninsular Malaysia	3.8867N	102.4767E	72	
Jerez de los Caballeros, Badajoz	E028	Spain	38.3553N	6.8073W	602	From 2007-09-13 to 2009-06-18
Jeri Cho Mine, NWT	JERN	Northwest Territories,Canada	66.0194N	111.4672W	476	From 2006-07-21 to 2010-07-20
Jermuk	DZR	Armenia	39.8800N	45.7000E	2115	
Jerome	JR-	Arizona,U.S.A.	34.8256N	111.9903W	1311	From 1964-03-30 to 1965-10-04
Jerome	JR-AZ	Arizona,U.S.A.	34.8256N	111.9903W	1311	From 1964-03-30 to 1965-10-04
Jersey	JRS	Channel Islands,United Kingdom	49.1924N	2.0917W	53	From 1981-11-01
Jersey	VJYM	Oregon,U.S.A.	44.9022N	120.9740W	951	
Jersey Dam (Crest)	JDC	Channel Islands,United Kingdom	49.1847N	2.0469W	39	From 1992-07-01
Jersey Dam (Gallery)	JDG	Channel Islands,United Kingdom	49.1947N	2.0469W	7	From 1992-07-01
Jerusalem	JER	Israel	31.7719N	35.1972E	770	From 1954-01-01
Jesi	JESI	Italy	43.5292N	13.2290E	131	From 2020-01-23
Jesolo	IESO	Italy	45.5200N	12.5500E	0	
Jessenland, Henderson	H36A	Minnesota,U.S.A.	44.5775N	93.9281W	311	From 2010-09-29 to 2012-09-10
Jessore	JESS	Bangladesh	23.2330N	89.1276E	6	From 2015-01-26
Jettan, Norway	JETT	Norway	69.5557N	20.4095E	631	From 2014-11-05
Jette	JTMT	Montana,U.S.A.	47.7467N	114.2825W	1469	
Jeungpyeong Acc Borehole	JNPA	Republic of Korea	36.7956N	127.5620E	90	From 2015-10-01
Jewell	KS25	Kansas,U.S.A.	39.6715N	98.1501W	483	From 2017-06-27 to 2017-11-02
Jewell Farm	JFWS	Wisconsin,U.S.A.	42.9143N	90.2481W	335	From 1992-07-29
Jhajjar	JHJR	India	28.6083N	76.6445E	234	From 2018-01-09
Jhansi	JHNI	Uttar Pradesh,India	25.4658N	78.5395E	250	
JHARSUGUGA	JHSG	Orissa	21.7610N	83.7730E	213	From 2015-12-30
Jialang	AXDP	Taiwan region	24.9000N	117.9700E	0	From 2011-07-22
Jiali	SCLT	Taiwan region	23.1750N	120.1940E	7	
Jianjiangzhen	LYJJ	Taiwan region	26.5500N	119.7600E	0	From 2011-07-22
Jian Township	EGA	Taiwan region	23.9730N	121.5630E	37	From 1998-08-07
Jiashian	SGST	Taiwan region	23.0820N	120.5830E	278	
Jicamarca	PT05	Peru	11.9548S	76.8693W	700	
Jicaral	JCR	Costa Rica	9.8498N	85.1118W	575	
Jichi Village	TEGC	Taiwan region	23.7090N	121.5400E	5	From 1999-08-04
Jillco Farms, Salem	S41A	Missouri,U.S.A.	37.5877N	91.7458W	376	From 2011-06-18
Jilotepec	JIL	Veracruz,Mexico	19.6307N	96.9333W	1330	
Jimani	JIDR	Dominican Republic	18.4910N	71.8507W	13	From 2010-01-22
Jim Creek	JCW	Washington,U.S.A.	48.1935N	121.9300W	616	
Jimena Frontera	EJIM	Spain	36.4514N	5.4689W	260	From 1987-04-01 to 1988-05-19
Jimena Frontera	EJIF	Spain	36.4513N	5.4688W	260	From 1988-05-20
Jimena (Jaen)	E0803	Spain	37.8354N	3.4717W	705	From 2019-02-05
Jim Sage Mountain	JSM	Idaho,U.S.A.	42.1313N	113.3825W	1524	
Jim Taylor Road, Stokes	V60A	North Carolina,U.S.A.	35.7650N	77.2629W	8	From 2013-04-06
Jindabyne	JIN	New South Wales,Australia	36.4394S	148.5930E	960	From 1958-01-01 to 1972-08-09
Jindo	KSJDO	Republic of Korea	34.4700N	126.3166E	477	From 2007-12-13
Jindrichovice	JIND	Czech Republic	50.2621N	12.6168E	722	
Jinhae	JNHA	Republic of Korea	35.1122N	128.7536E	29	From 2018-03-09
Jinju	KSJIN	Republic of Korea	35.1615N	128.0301E	72	From 2005-12-16
Jinju	KSCHI	Republic of Korea	35.2032N	128.1194E	21	From 1999-05-16
Jinotega	JIG	Nicaragua	13.2012N	85.7708W	1249	From 1975-01-01
Jinyeong	JNYA	Republic of Korea	35.2822N	128.7174E	5	From 2018-03-09
Jiouru	SGLT	Taiwan region	22.7250N	120.4910E	30	
JIPIJAPA	JIPI	Ecuador	1.3629S	80.5583W	566	From 2016-08-15
JIPIJAPA 2	AJPJ	Ecuador	1.3491S	80.5803W	284	From 2016-04-21
JIPIJAPA 3	PIJI	Ecuador	1.3107S	80.5682W	331	From 2016-05-17
Jiquilpan	JQX	Baja California,Mexico	32.5080N	115.0710W	5	
Jirandeh	JIR1	Iran	36.7077N	49.8021E	1567	From 2015-07-12
Jirau	JIR01	Rondonia	9.5329S	64.7960W	134	From 2017-01-01 to 2099-12-12
Jiri	JIRN	Nepal	27.6600N	86.1900E	3064	From 1994-04-01
Jiri	JIRI	Nepal	27.6342N	86.2303E	1866	From 2001-10-15 to 2002-10-22
Jirik Farms, Max	C35A	Minnesota,U.S.A.	47.7007N	93.9763W	426	From 2010-09-14 to 2012-08-09
Jiuhuzhen	ZZJH	Fujian,China	24.4700N	117.6300E	0	From 2011-07-22
Jizan	JIZN	Saudi Arabia	16.9590N	42.8250E	100	From 1989-02-01
Jizan	JAZS	Saudi Arabia	17.0684N	42.9174E	173	
Joao Camara	JC04	Rio Grande do Norte,Brazil	5.4582S	35.6978W	120	
Joao Camara	JC1B	Rio Grande do Norte,Brazil	5.5703S	35.8525W	109	
Joao Camara	JC06	Rio Grande do Norte,Brazil	5.5173S	35.7373W	130	
Joao Camara	JC20	Rio Grande do Norte,Brazil	5.6117S	35.7467W	120	
Joao Camara	JC05	Rio Grande do Norte,Brazil	5.4493S	35.7795W	140	
Joaquin Canyon North	JCNB	California,U.S.A.	35.9390N	120.4311W	309	
Joaquin Canyon South	JCSB	California,U.S.A.	35.9212N	120.4340W	299	
Joaquin Lookout	JOAQ	New Mexico,U.S.A.	35.7708N	106.8410W	2768	From 1978-11-11
Joaquin Road	JJRM	California,U.S.A.	37.3447N	122.2010W	430	
Jocassee View	JVW	South Carolina,U.S.A.	34.9923N	82.9977W	554	
Jochberg	RJOB	Bayern,Germany	47.7372N	12.7957E	860	From 2001-05-15
Jocotitlan	IIJ	Mexico:State,Mexico	19.7340N	99.7340W	3900	
Jocotitlan	JCM	Mexico D.F.,Mexico	19.7342N	99.7611W		From 1988-01-01
Jodo	JODB	Republic of Korea	34.3115N	126.0437E	56	From 2018-03-09
Joensuu	JOF	Finland	62.9182N	31.3124E	180	From 1981-09-29
Joensuu	JOE	Finland	62.6517N	29.6950E	90	
Joes South Fork Station, Corydon	N38A	Iowa,U.S.A.	40.7931N	93.2350W	317	From 2010-11-15 to 2012-09-12
JOFS	JOFS	Saudi Arabia	29.4140N	38.6080E	687	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Johann am Walde	A032A	Austria	48.1230N	13.3063E	608	From 2015-12-03
Johannesberg	BPI	Transvaal,South Africa	26.1750S	28.0300E	1700	
Johannesbrunn, Gerzen, Bavaria	A148A	Germany	48.4780N	12.4605E	492	From 2016-01-18 to 2016-11-22
Johannesburg	JOH	Transvaal,South Africa	26.1817S	28.0750E	1806	
Johanniskirchen, Bavaria	A147A	Germany	48.5379N	12.9455E	389	From 2016-01-19 to 2016-07-28
John Jarvie Ranch (BLM), Flaming Gorge	N19A	Utah,U.S.A.	40.8936N	109.1772W	1703	From 2007-08-18 to 2009-04-24
Johnnie	JON	Nevada,U.S.A.	36.4399N	116.1033W	939	From 1978-07-24 to 2002-12-10
Johnny Jack Ridge	KJJM	California,U.S.A.	40.2477N	124.3070W	725	
John Paul College, Kalgoorlie	AUKAL	West Australia,Australia	30.7600S	121.4800E	373	From 2012-09-16
John River	F22K	Alaska,U.S.A.	67.5076N	152.1790W	546	From 2016-06-21
John's Creek	JCE1	Oklahoma,U.S.A.	35.5812N	97.9003W	413	
John Shaw Road	KB2O	Ontario,Canada	45.3859N	76.1562W	95	From 2013-10-01
John Shaw Road, remote	KB6O	Ontario,Canada	45.3905N	76.1668W	90	From 2013-11-01
John Smith Road	HJSM	California,U.S.A.	36.8165N	121.2990W	215	From 1975-06-01
Johnson	JHN	Nebraska,U.S.A.	40.4469N	96.0175W	329	From 1978-12-01 to 2001-07-15
Johnson Can.	AN15*	California,U.S.A.	36.5470N	121.3920W	207	From 1969-06-18
Johnson Can.	BJCM	California,U.S.A.	36.5470N	121.3920W	207	From 1969-06-18
Johnson Canyon	JHC	California,U.S.A.	36.5470N	121.3920W	207	From 1969-06-18
Johnson Farm, Hartsville	X57A	South Carolina,U.S.A.	34.4643N	80.0940W	133	From 2013-02-09
Johnson Ranch, Cut Bank	A15A	Montana,U.S.A.	48.9777N	112.7327W	1236	From 2007-09-13 to 2009-08-13
Johns Peak	WJPM	California,U.S.A.	35.4109N	118.4820W	1090	
John Stanford Center Downhole Anss-SM	SSS1	Washington,U.S.A.	47.5818N	122.3311W	-20	From 2004-10-24
Johnston I.	JN-	Line Islands,Kiribati	16.7339N	169.5281W	3	From 1962-03-31 to 1962-08-02
Johnston Island	JOHN	Johnston Island,U.S.A.	16.7329N	169.5292W	-36	
Johnston Island	JN-IS	Johnston Island,U.S.A.	16.7339N	169.5281W	3	From 1962-03-31 to 1962-08-02
Jokulheimar	IJOK	Iceland	64.3153N	18.2255W	736	From 2011-09-27
Jolon Road	JOL	California,U.S.A.	36.0837N	121.1690W	336	From 1969-06-18 to 2011-07-22
Jolon Road	PJRM	California,U.S.A.	36.0837N	121.1690W	336	From 1969-06-18 to 2011-07-22
Jolon Road	PJLM	North America,U.S.A.	36.0905N	121.1581W	240	
Jones	149A	Alabama,U.S.A.	32.5983N	86.7916W	138	From 2012-01-17
Jonesboro	V43A	Arkansas,U.S.A.	35.7857N	90.5443W	74	From 2011-07-20 to 2013-03-12
Jones Farm, Ritzville	D09A	Washington,U.S.A.	47.0615N	118.3092W	540	From 2006-08-29 to 2008-06-10
Jones High Sch.	OK001	Oklahoma,U.S.A.	35.5611N	97.2895W	350	
Jones Ranch, Declo	K14A	Idaho,U.S.A.	42.5452N	113.1760W	1387	From 2006-12-28 to 2009-05-07
Jonika Flow	JOKA	Hawaii,U.S.A.	19.4336N	155.0044W	482	From 2012-09-17
Joppolo	JOPP	Italy	38.6068N	15.8856E	500	From 2006-08-07
Jordan	GUIM	Panay,Philippines	10.6260N	122.5890E	50	
Jordan	JO-	Minnesota,U.S.A.	44.7069N	93.5083W	290	From 1962-07-13 to 1962-07-30
Jordan	JO-MN	Minnesota,U.S.A.	44.7069N	93.5083W	290	From 1962-07-13 to 1962-07-30
Jordan Butte	JBO	Oregon,U.S.A.	45.4616N	119.8370W	645	From 1982-09-01
Jordanelle	JLU	Utah,U.S.A.	40.6019N	111.4499W	2285	From 1981-09-28
Jordan Ranch	JRTX	Texas,U.S.A.	32.9340N	100.9530W	804	From 1979-01-01
Jordan River	JRBB	British Columbia,Canada	48.4300N	123.0522W	24	From 2008-05-13
Jordan Valley	JVI	Israel	31.9380N	35.3390E	680	From 1986-07-17
Jorden Valley SMO	JORV	Oregon,U.S.A.	42.9777N	117.0537W	1338	From 2004-07-01
Jorhat	JHI	Assam,India	26.7333N	94.1667E	84	From 1979-01-01
JORHAT	JORH	Assam,India	26.7430N	94.2513E	79	From 2011-05-01
Joseni	JOSR	Romania	46.7059N	25.5154E	749	From 2010-08-18
Jose Panganiban, Camarines Norte	JCNP	Philippines	14.2890N	122.6970E	50	From 2014-10-10
Joseph Creek	J26L	Alaska,U.S.A.	64.5012N	143.5636W	1144	From 2015-09-11
Joseph F. Staten	JFS	California,U.S.A.	35.3508N	117.6700W	1433	From 1979-06-01
Joseph's Coat	YJC	Wyoming,U.S.A.	44.7555N	110.3492W	2684	
Joshimath	JOSI	India	30.5558N	79.5582E	1889	From 2002-04-09
Joshua Ridge	JRC2	California,U.S.A.	35.9825N	117.8089W	1469	
Joshua Ridge West	JRWM	California,U.S.A.	35.9943N	117.8215W	1366	
Joshua Tree	NYJ	Nevada,U.S.A.	37.0080N	115.9750W	1286	From 1971-01-01 to 1973-01-31
Joshua Tree Park	JTR	California,U.S.A.	33.8140N	115.9002W	1372	
Josvafo	JOS	Hungary	48.4958N	20.5394E	280	
Jouge	JJG	Hiroshima,Japan	34.6412N	133.1543E	470	
Jozini	JOZ	Natal,South Africa	27.4450S	32.0783E	244	From 1976-07-01 to 1999-08-25
J Risha	JRSJ	Jordan	30.2610N	35.2330E	357	From 1989-12-15
J Risha	RSHJ	Jordan	30.2610N	35.2330E	357	From 1989-12-15
J. Sargeant Reynolds Community College	JSRW	Virginia,U.S.A.	37.6938N	77.8786W	67	
J Saunders Place	SNDA	California,U.S.A.	33.5519N	116.6129W	1358	
Jston Ridge Obs	JRO	Washington,U.S.A.	46.2751N	122.2178W	1280	
Juana Nunez	DR01	Dominican Republic	19.3114N	70.6961W	505	
Juana Nunez	DR1	Dominican Republic	19.3114N	70.6961W		
Juan Diaz	JUD	Costa Rica	10.1620N	85.5470W	844	From 1984-11-01
Juan Diaz 2	JUD2	Costa Rica	10.1670N	85.5412W	680	
Juan Diaz 3	JUD3	Costa Rica	10.1659N	85.5388W	665	From 2000-05-13
Juan Fernndez	VA04	Juan Fernandez Islands	33.6427S	78.8299W	117	From 2014-05-27
Juan Fernandez Island Hydroacoustic Site N1	H03N1	Juan Fernandez Islands,Chile	33.4412S	78.9120W	-2657	From 2003-07-10 to 2010-02-28
Juan Fernandez Island Hydroacoustic Site N2	H03N2	Juan Fernandez Islands,Chile	33.4399S	78.9324W	-2765	From 2003-07-10 to 2010-02-28
Juan Fernandez Island Hydroacoustic Site N3	H03N3	Juan Fernandez Islands,Chile	33.4556S	78.9240W	-2316	From 2003-07-10 to 2010-02-28
Juan Fernandez Island Hydroacoustic Site S1	H03S1	Juan Fernandez Islands,Chile	33.8437S	78.9058W	-2700	From 2003-07-23 to 2004-05-01
Juan Fernandez Island Hydroacoustic Site S2	H03S2	Juan Fernandez Islands,Chile	33.8370S	78.9262W	-2722	From 2003-07-23 to 2004-05-01
Juan Fernandez Island Hydroacoustic Site S3	H03S3	Juan Fernandez Islands,Chile	33.8258S	78.9095W	-2619	From 2003-07-23 to 2004-05-01
Juan Vinas	VINA	Costa Rica,Costa Rica	9.8950N	83.7460W	1199	
Juara	PAR1	Mato Grosso	11.5548S	57.8661W	314	From 2015-05-20
Jubany	JUBA	South Shetland Islands	62.2373S	58.6627W	16	
Juchon	JUCA	Republic of Korea	35.2422N	128.8280E	37	From 2018-03-09
Jucuar¡n	JUCU	El Salvador	13.2536N	88.2485W	684	
Jud	E30A	North Dakota,U.S.A.	46.5021N	98.9098W	544	From 2009-08-20 to 2011-06-25
Judd Hill Plantation	JHP	Arkansas,U.S.A.	35.6050N	90.5100W	68	
Jufra	LJFR	Libya	29.1018N	15.8128E	351	
Jug	JUM	New Mexico,U.S.A.	35.9050N	106.6680W	2400	
Jugenheim	JUG	Hessen,Germany	49.7667N	8.6000E		
Juina	PAR6	Mato Grosso	11.5171S	58.1693W	260	From 2015-08-10
Juina	PAR7	Mato Grosso	11.5290S	59.0554W	335	From 2016-08-01
Juina	PAR3	Mato Grosso	11.4656S	58.7166W	347	From 2015-08-11
Juina	PAR4	Mato Grosso	11.5332S	59.0580W	352	From 2015-08-11
Juive	JUIV	Ecuador	1.4238S	78.4647W	2380	From 1992-02-04
Juive	JUI6	Ecuador	1.4244S	78.4686W	2422	From 2007-07-13
Juive 3	JUI3	Ecuador	1.4218S	78.4767W	2425	
Juiz de Fora	JFO	Minas Gerais,Brazil	21.7277S	43.3254W	780	From 1990-08-01
Jujurieux	OG05	Franche Comte,France	46.0405N	5.4583E	400	
Jujuy	JUJ	Jujuy,Argentina	24.2458S	65.2728W	1270	
Julian	JULC	California,U.S.A.	33.0483N	116.6130W	1292	From 1978-04-01
Julian Eagle Mine	JUEM	California	33.0810N	116.5975W	1315	
Julich	JUE	Nordrhein-Westfalen,Germany	50.9100N	6.4070E	91	From 1974-11-01
Jumaytepeque	JMG	Guatemala	14.3387N	90.2703W	1815	From 1979-05-01
Jumilla	EXJU	Spain	38.4750N	1.3160W	520	
Jumkunaria	JUMK	Gujarat,India	23.3600N	70.3400E	-25	From 2012-01-01
Jumunjin	KSJMJ	Republic of Korea	37.8816N	128.7561E	75	From 2008-01-01
Junction	R15A	Utah,U.S.A.	38.2108N	112.2767W	1861	From 2007-05-21 to 2009-03-11
Junction City	H41A	Wisconsin,U.S.A.	44.6164N	89.6534W	348	From 2011-08-11 to 2013-06-08
Junction City	JCT	Texas,U.S.A.	30.4794N	99.8022W	591	From 1965-03-01
Juneau Island	JIS	Alaska,U.S.A.	58.2762N	134.3831W	10	From 1995-04-18
June Lake	JLK	Washington,U.S.A.	46.1467N	122.1530W	1049	
Jungingen	JUND	Baden-Wurttemberg,Germany	48.3301N	9.0408E	600	From 1976-01-01 to 2020-02-01
Jungingen	JUNG	Baden-Wurttemberg	48.3299N	9.0350E	575	From 2016-03-01
Jungrangju	KSJUR	Republic of Korea	37.6136N	127.0886E	56	From 2007-01-01
Juni	PT11	Peru	11.5490S	75.7150W	4480	From 1983-09-21
Juniper Basin Ranch, Riddle	L10A	Idaho,U.S.A.	42.0773N	116.4711W	1537	From 2007-01-10 to 2008-08-16
Juniper Gulch	JGI	Idaho,U.S.A.	44.0925N	112.6770W	1657	From 1979-11-06
Juniper Hills	JNH	California,U.S.A.	34.4475N	117.9540W	1317	From 1977-11-01
Juniper Island	ISLE	Alaska,U.S.A.	60.6025N	142.3391W	1485	
Juniper Ridge	PJUM	California,U.S.A.	36.2270N	120.5935W	925	
Juniper Way Moraga	C042	California,U.S.A.	37.8223N	122.1277W	150	From 2010-07-13
Junjel	JNJ	Guatemala	15.3988N	91.4287W	3348	From 1980-01-01 to 1999-08-25
Junkia	JNKA	Orissa	20.0300N	85.5100E	16	From 2018-07-15
Juno	JU-TX	Texas,U.S.A.	30.1119N	101.0772W	533	From 1964-04-04 to 1964-08-11
Juno	JU-	Texas,U.S.A.	30.1119N	101.0772W	533	From 1964-04-04 to 1964-08-11
Juntas	NIDO	Colombia	4.6640N	75.3273W	4715	
Juntas	JUNT	Costa Rica,Costa Rica	10.2820N	84.9590W	157	
Juntas	ESME	Colombia	4.6645N	75.3522W	4490	
Juntas del Toro	CO01	Coquimbo	29.9773S	70.0939W	2157	From 2013-02-13
Juquia	JUQB	Sao Paulo,Brazil	24.0930S	47.7163W	470	
Jurilovca	JURR	Romania	44.7661N	28.8769E	37	From 2013-11-06

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Juriquilla Campus	JRQG	Queretaro de Arteaga,Mexico	20.7037N	100.4469W	1965	
JURS	JURS	Saudi Arabia	21.8664N	39.7978E	472	
JUST BEFORE CUBE	EC15	Ecuador	0.5824N	79.6293W	82	From 2016-05-13
Juzbado, Salamanca	EJUZ	Spain	41.0864N	5.8894W	793	From 2016-11-30
Jwalamukhi	JWL	Himachal Pradesh,India	31.8700N	76.3706E	0	
Jwalamukhi	JWA	Himachal Pradesh,India	31.8667N	76.3333E		
Jyotipuram	JYP	Jammu and Kashmir,India	33.1083N	74.8500E		
K62	K62	Baja California	31.8312N	116.0597W	1008	
Ktahya-Domani§	DOMA	Turkey	39.7859N	29.6952E	1041	From 2017-12-12
Ktahya-Emet	EMET	Turkey	39.3755N	29.3205E	1096	From 2017-12-12
Kaadhehdhoo	KAAM	Maldives	0.4926N	72.9949E	-1	From 2008-01-29
Kaahu Road	KUTZ	North Island,New Zealand	38.4891S	175.8233E	457	From 2010-04-15
Kaamanen	KMNF	Finland	69.1489N	26.9961E	224	From 2017-10-01
Kaapuna	KUH	Hawaii,U.S.A.	19.2663N	155.8710W	524	From 1972-01-04
Kabakon Island	EDY	New Ireland,Papua New Guinea	4.2395S	152.3890E	5	
Kabaktan	KBKS	Sakha,Russia	56.6800N	122.4200E	1010	From 1989-05-01 to 1989-08-31
Kabansk	KAB	Buryatiya,Russia	52.0500N	106.6539E	468	
Kabd	KBD	Kuwait	29.1756N	47.6933E	124	
Kabsdagh	KBSD	Syria	37.0013N	40.5430E	562	From 2002-04-01
Kabul	KBL	Afghanistan	34.5408N	69.0432E	1920	
Kabul (SRO)	KAAO	Afghanistan	34.5408N	69.0432E	1920	From 1977-05-10
Kabul University	KBU	Afghanistan	34.5151N	69.1347E	1817	From 2005-11-24
Kabupaten Dompu	DBNI	Sumba,Indonesia	8.5019S	118.3121E	185	
Kaceov	KACW	Czech Republic	50.1436N	12.5172E	524	From 2004-01-01
Kacgae	KGCAE	Botswana	22.8538S	22.2068E	1153	
Kadamtala	KATL	Andaman Islands,India	12.3656N	92.7500E	14	From 2012-01-01
Kaden, Bauxite	X41A	Arkansas,U.S.A.	34.4949N	92.5137W	102	From 2011-05-07 to 2013-02-16
Kadinhani	KDHN	Turkey	38.5211N	32.1164E	1122	From 2005-02-23
Kadzharan	KDR	Armenia	39.1500N	46.1000E	2155	From 1972-01-01
Kaena	KAE	Hawaii,U.S.A.	19.2892N	155.1320W	37	From 1973-05-08
Kaena Point	KPH	Hawaii,U.S.A.	21.5761N	158.2750W	110	From 1965-04-01 to 1976-12-31
Kaeng Krachan	PHET	Thailand	12.9100N	99.6300E	100	From 2008-01-01
Kafar-mosalman	IKFM	Iran	33.5244N	47.8469E	0	From 2008-01-01
Kafrein	KFNJ	Jordan	31.8617N	35.6760E	-90	From 1983-09-01
Kaftarguzar	KFTR	Tajikistan	38.8300N	70.1500E	1800	
Kaga	JKG	Ishikawa,Japan	36.2767N	136.3317E	25	
Kagalaska	AD3	Alaska,U.S.A.	51.7428N	176.3570W	198	From 1974-01-01 to 1992-02-01
Kagalaska Island	ETKA	Alaska,U.S.A.	51.8619N	176.4059W	290	
Kagoshima	KAG	Kagoshima,Japan	31.5508N	130.5508E	2	
Kagoshima 2	KAGJ	Kagoshima,Japan	31.1867N	130.8883E	200	
Kagssortoq	KAGG	Greenland	63.2485N	42.0349W	28	
Kahalu`u	KHLU	Hawaii,U.S.A.	19.5920N	155.8931W	958	
Kahama	HAMA	Tanzania,United Republic of Tanzania	3.8318S	32.6430E	1222	
Kahang-Kahang	KHKI	Bali,Indonesia	8.3643S	115.6080E		
Kaharoa	KAHNZ	New Zealand	37.9877S	176.2827E	339	
Kaharoa	KARZ	North Island,New Zealand	38.0202S	176.2443E	405	From 2006-05-02
Kahler Asten	KASTN	Germany	51.2027N	8.4162E	610	
Kahnooj	KHNJ	Iran	27.9477N	57.7056E	492	From 2013-05-15
Kahramanmara,Trkolu	KHMR	Turkey	37.3439N	36.9080E	425	From 2017-03-29
Kahramanmaras	KMRS	Turkey	37.5053N	36.9000E	590	From 2006-08-30
Kahramanmara	HCB	Turkey	37.3439N	36.9081E	516	From 2009-03-01 to 2017-03-01
Kahramanmaras, Dulkadiroglu	KAHM	Turkey	37.5167N	36.9870E	587	From 2014-10-31
KAHRAMANMARAS_ Elbistan	ELBS	Turkey	38.3243N	37.1327E	1260	From 2011-11-02
Kahui Hut	KHEZ	North Island,New Zealand	39.2942S	174.0145E	874	From 2009-05-21
Kahuku	KHU	Hawaii,U.S.A.	19.2461N	155.6150W	1937	From 1969-08-26
Kahului Airport	KHLH	Hawaii,U.S.A.	20.8972N	156.4264W	14	
Kahuranaki	KAHZ	North Island,New Zealand	39.7942S	176.8766E	638	From 2007-06-07
Kahutara	KHZ	South Island,New Zealand	42.4160S	173.5390E	20	From 1988-12-08
Kaiam	KIAM	Papua New Guinea	7.1124S	143.9224E	307	
Kaiamu	PGKAI	New Britain,Papua New Guinea	5.4659S	150.9134E	10	
Kaibab National Forest USFS, William	V15A	Arizona,U.S.A.	35.8191N	112.1731W	1891	From 2007-04-19 to 2008-11-21
Kaikoura	KKZ	South Island,New Zealand	42.4203S	173.6965E	109	From 1980-06-17 to 1989-06-08
Kaikoura West	KKY	South Island,New Zealand	42.4183S	173.6921E	101	From 1972-06-08 to 1980-06-17
Kailua Kona	KKH	Hawaii,U.S.A.	19.6567N	156.0186W	14	From 1975-01-01
Kaimai	KMRZ	North Island,New Zealand	37.8456S	175.9416E	542	From 2011-03-08
Kaimana, Papua	KMPI	Irian Jaya,Indonesia	3.6616S	133.7044E	0	From 2008-12-01
Kaimata	KAI	South Island,New Zealand	42.5241S	171.4088E	82	From 1942-09-01 to 1990-12-05
Kainokawa	KKW	Wakayama,Japan	33.8987N	135.4420E	260	
Kaintal	A019A	Austria	47.4457N	15.0856E	1125	From 2015-07-01
Kaiseraugst-Friedh	SKAF	Switzerland	47.5384N	7.7199E	270	From 2006-10-04
Kaiser Creek	KCC	California,U.S.A.	37.3236N	119.3187W	888	From 1995-12-09
Kaiserville	KVN	Nevada,U.S.A.	39.0510N	118.1000W	1829	From 1972-01-13
Kaitaia	KIT*	North Island,New Zealand	35.1083S	173.2650E	91	
Kaitanak	KTNR	Altayskiy Kray,Russia	50.1470N	85.4650E	979	
Kaizawa	KZW	Aomori,Japan	40.6915N	140.3631E	160	
Kajaani	KJN	Finland	64.0853N	27.7119E	250	
Kajaani	KJF	Finland	64.1992N	27.7147E	160	From 1970-07-09 to 1990-03-31
Kajisay	KDJ	Kyrgyzstan	42.1300N	77.1800E	1799	From 2011-04-15
Kakadu	KDU	Northern Territory,Australia	12.6869S	132.4727E	46	From 2008-11-26
Kakadu	KAKA	Northern Territory,Australia	12.7115S	132.4396E	100	
Kakani	KKN	Nepal	27.7900N	85.2800E	1920	From 1980-03-01
Kakaramea	KATZ	North Island,New Zealand	38.9749S	175.6949E	1327	From 1996-08-25
Kakegawa	KGW	Shizuoka,Japan	34.8626N	138.0222E	69	
Kakegawa	JKKG	Shizuoka,Japan	34.7857N	137.9732E	-450	
Kakegawashinomba	JKKS	Shizuoka,Japan	34.7510N	137.9857E	75	From 2012-11-01
Kakessio	OSIN	Tanzania,United Republic of Tanzania	3.3678S	35.0375E	1684	
Kakhk	KHI	Iran	34.1433N	58.6417E	1600	From 1971-04-01
Kakhk	KKHK	Iran	34.1374N	58.6340E	1678	From 2000-08-22
Kakioka	KAK	Ibaraki,Japan	36.2317N	140.1930E	27	
Kakioka Outpost	KAKJ	Ibaraki,Japan	36.2050N	140.1730E	-80	From 1978-01-01
Kalaidasht	KLD	Tajikistan	38.5300N	69.4800E		
Kalaidasht	KLTT	Tajikistan	38.3800N	69.2900E	1800	From 1961-01-01 to 1995-01-01
Kalalua Cone	KLCH	Hawaii,U.S.A.	19.4058N	155.0680W	659	
Kalamaria	KLR1	Greece	40.5824N	22.9495E	54	From 2011-06-01
Kalamata	KLMT	Crete,Greece	37.0613N	22.0597E	6	From 2013-10-10
Kalamata	KAL3	Greece	37.0246N	22.1030E	126	From 2011-11-01
Kalamazoo	KZM	Michigan,U.S.A.	42.1528N	85.8211W		From 1978-02-01 to 1996-12-31
Kalapoi	CCH1	South Island	43.3869S	172.6077E	8	
Kalaupapa	KPA	Hawaii,U.S.A.	21.1900N	156.9848W	4	
Kalavrita	KLV1	Greece	38.0326N	22.1080E	718	From 2011-10-01
Kalavryta, Achaia	KLV	Greece	38.0437N	22.1504E	758	From 2009-04-08
Kalawad	B0DF	Gujarat	22.2138N	70.3833E	95	From 2016-12-09
Kalayaan	KIPH	Spratly Islands	11.0530N	114.2840E	2	
Kalborn	LKLB	Luxembourg	50.1000N	6.1086E	320	From 1995-04-01
Kald??rsel	IKAS	Iceland	64.0229N	21.8520W	108	From 2006-02-03
Kalehe	KALEH	Democratic Republic of the Congo	2.1071S	28.9209E	1508	From 2019-07-01
Kalfafell	IKAL	Iceland	63.9480N	17.6870W	78	From 1996-10-22
Kalgarh	KALG	Uttar Pradesh,India	29.5062N	78.7537E	0	
Kalgoorlie	KLG	Western Australia,Australia	30.7837S	121.4580E	360	From 1964-01-01 to 1986-05-12
Kalgoorlie	KLGA	Western Australia,Australia	30.7175S	121.4380E	390	From 1986-05-12 to 1988-08-10
Kalgoorlie Cheetham St	KLCE	Western Australia	30.7560S	121.4680E	470	From 2006-01-01
Kalgoorlie Longshaft mine	KLLS	Western Australia	31.1782S	121.6770E	470	From 2016-01-01
Kalianget	KMMI	Jawa,Indonesia	7.0500S	113.9667E	0	
Kaliani, PE02	PE02E	Greece	37.8958N	22.4907E	839	
Kaliastana	KALI	Jawa,Indonesia	7.1064S	106.6590E	810	
Kalibo	KALP	Panay,Philippines	11.6780N	122.3380E	15	
Kaliningrad	KLNR	Kaliningradskaya Oblast',Russia	54.6044N	20.2094E	8	From 2009-04-10
Kalinino	KLN4	Sakhalinskaya Oblast',Russia	46.8480N	142.0104E	20	From 2003-01-01 to 2006-12-31
Kalinovik	KALIN	Bosnia and Herzegovina	43.5022N	17.4462E	1071	From 2018-05-17
Kalithea	S031	Greece	38.4260N	23.8990E	152	
Kalithea	KALE	Greece,Greece	38.3911N	22.1398E	760	From 2008-01-01
Kalix	KALU	Sweden	65.8596N	23.3567E	30	From 2006-09-19
Kallithies, Rhodes Isl.	RKL1	Greece	36.3367N	28.1712E	70	From 2012-08-01
Kalltalsperre	KLL	Nordrhein-Westfalen,Germany	50.6467N	6.3113E	440	
Kalmit	KTD	Rheinland-Pfalz,Germany	49.3191N	8.0826E	675	From 1971-10-01 to 2019-12-31
Kalnik	KALN	Croatia	46.1312N	16.4557E	580	
Kalochori, N006	N006M	Greece	39.6778N	20.6118E	369	
Kalocsa	KAL	Hungary	46.5286N	18.9764E	93	
Kaloneri, N015	N015M	Greece	40.2843N	21.4865E	688	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Kaloudiana Chania	KLDN	Crete,Greece	35.4870N	23.6905E	44	From 2006-12-01
Kalowe	KALO	Malawi	9.9111S	33.6448E	1065	From 2014-07-22 to 2015-11-04
Kaloz	A267A	Hungary	46.9463N	18.4820E	116	From 2015-12-03
Kalpa	KLP	Himachal Pradesh,India	31.5333N	78.2500E	2724	
Kaltan 1	KALT1	Kemerovskaya Oblast'	53.4161N	87.4235E	305	From 2018-09-04
Kaltan 2	KALT2	Kemerovskaya Oblast'	53.4004N	87.3235E	298	From 2018-09-13
Kaltan 3	KALT3	Kemerovskaya Oblast'	53.5127N	87.4388E	328	From 2018-09-02
Kalwaria Paclawska	KWP	Poland	49.6314N	22.7075E	448	From 1999-06-24
Kalymnos	KLNA	Greece	36.9571N	26.9728E	35	
Kamafusa	KMF	Miyagi,Japan	38.2100N	140.7017E	180	
Kamakawa 2	JKK2	Kamikawa,Japan	43.8728N	142.7480E	350	
Kamakura	KMK	Kanagawa,Japan	35.3167N	139.5500E		
Kaman	KAMT	Turkey	39.3690N	33.7130E	1161	
KAMANJAB	KJAB	Namibia	19.6200S	14.8480E	1071	From 2006-04-05
Kamaran Island	KAMRY	Yemen	15.3327N	42.6158E	23	From 2007-10-10
Kamari	S002	Greece	37.3060N	21.7820E	241	
Kamar-syah	IKMR	Iran	33.5178N	48.3803E	0	From 2008-01-01
Kamata	KTJ	Shizuoka,Japan	34.9433N	139.0870E	58	From 1979-04-01 to 1990-03-20
Kamata 2	KTJJ	Shizuoka,Japan	34.9252N	139.0640E	175	From 1990-03-20
Kamata3	KTJ3	Shizuoka,Japan	34.9338N	139.0708E	156	From 2012-07-01
Kambah	KMBH	Australian Capital Territory,Australia	35.3892S	149.0786E	599	From 1985-12-15
Kambalda	KMBL	Western Australia,Australia	31.3669S	121.8821E	370	From 2000-11-28
Kamchatka Peninsula	KAMP	Kamchatskaya Oblast',Russia	56.0220N	163.0220E	97	From 1983-08-01 to 1983-08-31
Kamchatka temporary site	ST01S	Kamchatskaya Oblast',Russia	60.4330N	166.0600E	29	
Kamchatka temporary site	ST02S	Kamchatskaya Oblast',Russia	60.9610N	166.8530E	66	
Kamchatka temporary site	ST03S	Kamchatskaya Oblast',Russia	60.9850N	166.2250E	157	
Kamenistaya	KMNR	Kamchatskaya Oblast',Russia	55.7560N	160.2370E	1100	
Kamenistyi	UL2S	Sakha,Russia	65.4100N	144.8300E	670	From 1988-01-01 to 1988-12-31
Kamenskaya	KMSK	Kamchatskaya Oblast',Russia	62.4669N	166.2055E	45	From 2010-06-24
Kamenskoye	KAMR	Kamchatskaya Oblast',Russia	62.4560N	166.2100E	64	From 1994-10-10
Kamensk Uralskiy	KAUR	Sverdlovskaya Oblast',Russia	56.4318N	61.5030E	166	From 2007-04-02
Kameyama	KMYN	Mie,Japan	34.8670N	136.3500E	240	
Kameyama	KAM	Mie,Japan	34.8567N	136.4650E	71	
Kami	KMA	Albania	42.2620N	20.2428E		
Kamigamo	KGMK	Kyoto,Japan	35.0593N	135.7657E	180	
Kamigamo	KMM	Kyoto,Japan	35.0333N	135.7000E	190	
Kamikawa	JKK	Kamikawa,Japan	43.8117N	142.8472E	430	
Kamikawa-asahi	JKA	Kamikawa,Japan	44.1160N	142.6000E	220	From 2009-01-01
Kamikineusu	KMU	Hidaka,Japan	42.2386N	142.9670E	185	From 1967-07-01
Kamikuga	KKGU	Tochigi,Japan	36.5979N	139.6250E	280	From 1976-07-17
Kamimonzen	KV02	Miyazaki,Japan	31.9931N	130.8364E	430	
Kamimuroga	KRJ	Nagano,Japan	36.4164N	138.1510E	621	From 1968-07-01
Kaminaka	KMNK	Tokushima,Japan	33.7865N	134.3057E	280	
Kaminokuni	KKJ	Hiyama,Japan	41.7789N	140.1757E	70	
Kamitakara	KTJD	Gifu,Japan	36.2802N	137.3271E	760	
Kammena Vourla	KMV1	Greece	38.7794N	22.7846E	25	From 2013-01-15
Kamo	KAMZ	Armenia	40.8250N	43.9500E	1230	
Kamo	KMOZ	Armenia	40.8216N	43.9492E	1651	
kamogawauchiura	JKUC	Chiba,Japan	35.1597N	140.1992E	80	From 2012-11-01
Kamor	KAMOR	Switzerland	47.2896N	9.4875E	1730	
Kamor/St.Gall Rh.T	LIENZ	Switzerland	47.2946N	9.4927E	1720	From 2004-10-28
Kampiravat	KPVT	Uzbekistan	40.4674N	72.9868E	768	
Kamuela	KML	Hawaii,U.S.A.	20.0317N	155.7000W	740	
Kamusenper, Kalajoki	OBF7	Finland	64.1766N	24.0536E	39	From 2013-03-19
Kanab	KN-UT	Utah,U.S.A.	37.0228N	112.8275W	1737	From 1961-12-09 to 1999-08-25
Kanab	KEUT	Utah,U.S.A.	37.0503N	112.5293W	1514	From 2008-05-29
Kanab	KNB	Utah,U.S.A.	37.0166N	112.8220W	1715	From 1968-11-01
Kanab	KN-	Utah,U.S.A.	37.0228N	112.8275W	1737	From 1961-12-09 to 1999-08-25
Kanaga Island Cape Miga	KICM	Alaska,U.S.A.	51.9189N	177.1953W	183	
Kanaga Island Kanaga Volcano	KIKV	Alaska,U.S.A.	51.8788N	177.1704W	411	
Kanaga Island MID Benchmark	KIMD	Alaska,U.S.A.	51.7616N	177.2349W	183	
Kanaga Island North Cape	KINC	Alaska,U.S.A.	51.9314N	177.1276W	198	
Kanaga Island Round Head	KIRH	Alaska,U.S.A.	51.8996N	177.0935W	309	
Kanaga Island Westway Bight	KIWB	Alaska,U.S.A.	51.8531N	177.1508W	244	
Kanahau	KANH	Hawaii,U.S.A.	20.6933N	156.2913W	2745	
Kanaihara	KNJD	Shiga,Japan	35.5716N	136.2846E	300	
Kanaka Peak	KPK	California,U.S.A.	39.5833N	121.3050W	899	From 1969-01-01
Kanangra Walls	KANM	New South Wales,Australia	33.9966S	150.0668E	1206	
Kanayama	KNY	Fukushima,Japan	37.4004N	139.5580E	390	
Kanazawa	KANJ	Ishikawa,Japan	36.5867N	136.6370E	0	From 1991-10-23
Kanazawa	KAN	Ishikawa,Japan	36.5467N	136.6480E	28	
Kanazawa 2	KAN2	Ishikawa,Japan	36.5250N	136.7767E	530	From 1992-04-24
Kanchanaburi	KBR	Thailand	14.0167N	99.5333E	28	From 1986-12-01
Kandavu Island	KDV	Fiji	18.9655S	178.3470E	390	
Kandel, Kundencenter Pfalzwerke	INS6	Germany	49.0869N	8.1932E	130	From 2012-09-18 to 2015-04-15
Kandik River	I27K	Alaska,U.S.A.	65.6035N	141.6153W	874	From 2016-07-26
Kandilli-Istanbul	KAVV	Turkey	41.0638N	29.0600E	139	From 2010-01-01
Kandira	KND	Turkey	41.0527N	30.1608E	50	From 1978-11-01 to 1999-08-25
Kanekii	KIH	Hawaii,U.S.A.	19.5093N	155.7650W	1841	
Kane Nui o Hamo	KNHH	Hawaii,U.S.A.	19.3794N	155.1693W	954	
Kaneyama	JYK	Yamagata,Japan	38.9178N	140.3590E	220	
Kangalassy	KNGL	Sakha,Russia	62.3470N	129.9710E	150	
kangal_SIVAS	CUKAN	Turkey	39.3163N	37.4667E	1523	From 2010-07-09
Kangasniemi	NE62	Finland	62.1120N	26.3060E	124	
Kangasniemi	KAF	Finland	62.1128N	26.3061E	205	From 1977-08-31
Kangerlussuaq 2	SFJD	Greenland	66.9960N	50.6215W	80	
Kangerlussuaq 2	SF2	Greenland	66.9967N	50.6226W	0	
Kanggye	KGE	Democratic People's Republic of Korea	40.9450N	126.6125E	260	From 1978-01-01
Kangiqsualujjuaq	KAJQ	Quebec,Canada	58.6940N	65.9305W	46	From 2011-08-10
Kangiqsujuaq	KNGQ	Quebec,Canada	61.5849N	71.9483W	54	From 2011-08-05
Kangirsuk	KRSQ	Quebec,Canada	60.0220N	69.9912W	132	From 2011-08-07
Kangurt	KNR	Tajikistan	38.2500N	69.5300E		
Kankaanpaa	KPF	Finland	61.8337N	22.0704E	82	From 2016-09-30
KANKER	KNKR	India	16.2670N	81.4990E	387	From 2018-04-08
KANO	KANON	Namibia	19.1949S	19.4398E	1143	
Kano Inlet	KANO	British Columbia,Canada	53.2883N	132.6175W	221	
Kansas City	KC-	Missouri,U.S.A.	39.3558N	94.6714W	274	From 1965-10-17 to 1967-01-16
Kansas City	KC-MO	Missouri,U.S.A.	39.3558N	94.6714W	274	From 1965-10-17 to 1967-01-16
Kansas State University--Konza Prairie	KSU1	Kansas,U.S.A.	39.1009N	96.6094W	317	From 2003-05-28
Kantara	KANT	Cyprus	35.3830N	33.8800E	0	
Kantishna Hills	KTH	Alaska,U.S.A.	63.5530N	150.9220W	975	From 1988-08-15
Kanton	KNTN	Phoenix Islands,Kiribati	2.7744S	171.7190W	0	
Kantonsschule Buelach	EBUEL	Switzerland	47.5184N	8.5483E	427	From 2010-05-27
Kantonsschule Wattwil	EWATT	Switzerland	47.3012N	9.0876E	612	From 2008-12-12
Kanzaki	KZT	Hyogo,Japan	35.0739N	134.7933E	200	
Kaohsiung	KAU	Taiwan region	22.5679N	120.3080E	2	
Kaohsiung City	SNJT	Taiwan region	22.7533N	120.3352E	21	From 2013-01-18
Kaohsiung Port	KAUP	Taiwan region	22.5540N	120.3150E	0	From 2001-08-27
Kaoiki Faults	KFH	Hawaii,U.S.A.	19.4210N	155.4190W	1579	
Kaokaonui	KAONZ	New Zealand	37.8783S	176.2462E	365	
Kapahiang	KSI	Sumatera,Indonesia	3.6517S	102.5929E	539	
Kapalarasan	KAPS	Kazakhstan	45.2850N	79.3570E	900	From 1989-09-01
Kapapala Ranch	KLH	Hawaii,U.S.A.	19.2733N	155.4450W	610	From 1969-10-02 to 2000-11-09
Kapiti Island	KIW	North Island,New Zealand	40.8609S	174.9098E	381	From 1978-04-10
Kapnoxori, N020	N020M	Greece	40.3499N	21.9605E	792	
Kapoho	KPO	Hawaii,U.S.A.	19.5003N	154.8420W	134	
Kapoka	KAPK	Malawi	9.7801S	33.4574E	1357	From 2014-07-21 to 2015-11-04
Kaporo	KAPOR	Malawi	9.7851S	33.8208E	533	From 2014-07-20 to 2015-11-04
Kaposfured	A265A	Hungary	46.4245N	17.7954E	151	From 2015-12-15
Kapowsin	B941	Washington,U.S.A.	46.9868N	122.2190W	3	
Kappang	KPNG	Sulawesi,Indonesia	5.0153S	119.7508E	300	
Kappang	KAPI	Sulawesi,Indonesia	5.0142S	119.7517E	30	
Kap Tobin	KTG	Greenland	70.4167N	21.9833W	6	From 1980-09-30 to 2000-05-26
Kapuskasing	KAO	Ontario,Canada	49.4483N	82.4850W	198	From 1982-09-18 to 1999-08-25
Kapuskasing	KAPO	Ontario,Canada	49.4504N	82.5079W	210	
Kaputan	KAPZ	Armenia	40.3220N	44.6990E	1700	
Karaagac	RFT2	Turkey	39.4213N	26.8655E	82	From 2017-06-16
Karabk-Eskipazar-Dereboslan	DERS	Turkey	40.8516N	32.5506E	1182	From 2017-03-17
Karabastau	KRBS	Kazakhstan	43.6960N	75.6750E	915	From 2013-09-10

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Karabiga	KGT	Turkey	40.4517N	27.3033E	185	From 1984-03-14
Karabiga-Canakkale	KRBG	Turkey	40.3932N	27.2977E	76	From 2008-06-27
KARABUK-Merkez	KBUK	Turkey	41.2366N	32.6270E	548	From 2012-11-16
Karaburun	RFT4	Turkey	38.5935N	26.5537E	137	From 2017-06-17
Karaburun	KRBN	Turkey	38.5935N	26.5536E	135	From 2011-07-24
Karacabey	KCT	Turkey	40.2656N	28.3567E	451	From 1983-06-01
Karacabey (Bursa)	KCTX	Turkey	40.2655N	28.3565E	451	From 2008-07-11
Karacayir	SVSK	Turkey	39.9170N	36.9980E		
Karachi	KCHI	Pakistan	24.9100N	67.1300E	34	From 2006-07-26
Karachi	KAR	Pakistan	24.9333N	67.1433E	34	
Karacoban	EKAR	Turkey	39.2559N	42.0640E	2129	From 2009-09-29
Karad	KARD	Maharashtra,India	17.3074N	74.1834E	618	
Karad	KAD	Maharashtra,India	17.3075N	74.1833E	582	From 1970-01-01
Karadeniz	KDE	Turkey	41.2889N	31.4250E	290	From 1982-07-01
Karadeniz Ereoli	KDZE	Turkey	41.3132N	31.4429E	410	From 2006-06-29
Karagaybulak	KBK	Kyrgyzstan	42.6564N	74.9478E	1760	
Karahalli	KHL	Turkey	38.3232N	29.5232E	940	From 1988-08-01
Karahalli	KHAL	Turkey	38.3703N	29.4917E	1141	From 2007-05-30 to 2015-04-07
Karahalli, USAK	PASA	Turkey	38.3480N	29.4877E	979	From 2015-06-24
Karaikal	KRKL	Tamil Nadu,India	10.9000N	79.8667E		
Karaisali	KARA	Turkey	37.2607N	35.0546E	366	From 2005-08-26
Karaka Road Borehole	KBAZ	North Island,New Zealand	37.0947S	174.8886E	-148	From 2008-10-30
Krkkale-Keskin-Cabatobas	KESK	Turkey	39.6347N	33.5810E	1015	From 2017-12-23
Karakunidake	KV06	Miyazaki,Japan	31.9494N	130.8711E	1100	
Karaman	KANR	Dagestan	43.1960N	47.4890E	-25	From 2013-12-01
Karaman	KRMN	Turkey	37.1739N	33.2635E	1068	From 2014-02-07
Karaman, Kazimkarabekir	KKBE	Turkey	37.2196N	32.9404E	1118	From 2014-12-01
Karamursel	KMS	Turkey	40.6727N	29.5911E	280	From 1978-08-01 to 1999-08-25
Karamyk	DRK	Kyrgyzstan	39.4800N	71.8000E	2627	From 2011-03-12
Karanay	KRNR	Dagestan,Russia	42.8269N	46.9069E	1150	
Karangkates	KRKI	Jawa,Indonesia	8.1583S	112.4525E	0	
Karang Pucung	KPJI	Jawa,Indonesia	7.3330S	108.9310E	0	From 2007-12-01
Karang Ratu	KRAI	Ambon,Indonesia	3.3184S	128.3947E	124	
Karanos	KARN	Crete,Greece	35.4019N	23.9174E	420	From 2004-12-03
Karapiro	KRP	North Island,New Zealand	37.9232S	175.5377E	64	From 1951-06-15 to 1990-02-06
Karasay	KRSA	Uzbekistan	40.1178N	67.7406E	518	
Karasker	IKSK	Iceland	64.1613N	16.4737W	940	From 2013-06-02
Karasu	KRU	Tajikistan	38.4800N	68.9700E		
Karasu	KRUK	Kyrgyzstan	41.6200N	72.5800E	0	From 1960-10-01 to 1989-01-01
Karatas	KRTS	Turkey	36.5731N	35.3749E	53	From 2005-08-25
Karatas-Adana	KRTD	Turkey	36.5933N	35.4157E	47	From 2011-09-01
Karatay Array	KKAR	Kazakhstan	43.1034N	70.5115E	520	From 2001-12-01
Karatay Array site	KK31	Kazakhstan	43.1034N	70.5115E	520	From 2001-12-01
Karatay Array site	KK09	Kazakhstan	43.1224N	70.4995E	546	From 2001-12-01
Karatay Array site	KK08	Kazakhstan	43.1048N	70.4871E	539	From 2001-12-01
Karatay Array site	KK07	Kazakhstan	43.0891N	70.5008E	528	From 2001-12-01
Karatay Array site	KK06	Kazakhstan	43.0944N	70.5255E	533	From 2001-12-01
Karatay Array site	KK05	Kazakhstan	43.1170N	70.5235E	509	From 2001-12-01
Karatay Array site	KK04	Kazakhstan	43.1098N	70.5060E	525	From 2001-12-01
Karatay Array site	KK03	Kazakhstan	43.1028N	70.5012E	529	From 2001-12-01
Karatay Array site	KK02	Kazakhstan	43.1034N	70.5115E	520	From 2001-12-01
Karatay Array site	KK01	Kazakhstan	43.1054N	70.5061E	525	From 2001-12-01
Karatobe	KTBS	Kazakhstan	43.7120N	76.6820E	766	From 1992-09-01
Karatu	KRTU	Tanzania,United Republic of Tanzania	3.3560S	35.5960E	862	
Karatu Welwel PS	MW44	Tanzania	3.3437S	35.6638E	1556	From 2013-01-18 to 2014-12-07
Karbol	NBB03	Norway	67.1031N	14.9681E	187	From 2013-08-01 to 2016-06-01
Kardakata, Kephalonia	KEF1	Greece	38.2778N	20.4709E	0	From 2014-01-27 to 2014-05-24
Kardakata, Kephalonia	KEF5	Greece	38.2778N	20.4683E	303	From 2014-06-10
Kardaras	S010	Greece	37.6290N	22.2950E	1082	
Kardeh	IKRD	Iran	36.7759N	59.5150E	2245	From 2004-06-01
Kardistsa	KAR2	Thessaly	39.3658N	21.9193E	130	From 2012-09-01
Kare Kore	KORE	Ethiopia	10.4265N	39.9344E	1774	
Karewarewa	KAVZ	North Island,New Zealand	39.0957S	175.6460E	1192	From 1993-11-12 to 2004-12-15
Karewarewa	KRVZ	North Island,New Zealand	39.0944S	175.6412E	1207	From 2004-12-03
Kargi	KART	Turkey	41.1697N	34.3056E	1946	From 1992-01-01 to 1994-05-31
Kargicak-Mersin	KARG	Turkey	36.2030N	33.7087E	275	From 2013-04-18
Karia	KARIA	Greece	38.7593N	22.7480E	157	
Kariba Dam	KRB	Zimbabwe	16.5267S	28.7950E	805	From 1966-03-01 to 1999-08-25
KARJ	KARJ	Jordan	31.1200N	35.6530E	124	
Karkaralinsk	KKL	Kazakhstan	49.3300N	75.3800E	0	
Karkar Island	KKI	Papua New Guinea	4.5883S	145.9540E	460	From 1975-06-22
Karley and Nick, Howard	I32A	South Dakota,U.S.A.	44.0271N	97.4643W	493	From 2010-07-26 to 2012-06-06
Karliova-Bingol	KARO	Turkey	39.3089N	41.0493E	1820	From 2012-11-29
Karlovasi Samou	KRL1	Greece	37.7950N	26.7064E	10	From 2010-10-01
Karlskrona	KLS	Sweden	56.1650N	15.5917E	11	
Karlsruhe	KRL	Baden-Wurttemberg,Germany	49.0108N	8.4122E	114	From 1905-01-01
Karlsruhe, Majolikafabrik	KARL	Baden-Wurttemberg	49.0184N	8.4003E	116	From 2017-10-01
Karlsruhe West	KRW	Baden-Wurttemberg,Germany	49.0214N	8.3681E	110	
Karluk	R18K	Alaska,U.S.A.	57.5665N	154.4524W	39	From 2017-04-26
Karmit	KMTI	Israel	30.1044N	34.7251E	473	
Karmoy	KMY	Norway	59.2120N	5.2470E	58	From 1984-11-01
Karmrakar	KRMZ	Armenia	39.3110N	46.4760E	1480	
Karmrakar	KKRS	Armenia	39.3200N	46.4700E	1490	
Karoi	KRR	Zimbabwe	16.8517S	29.6183E	1380	From 1967-01-01 to 1978-12-31
Karoi	KRI	Zimbabwe	16.8307S	29.6151E	1343	
Karojba, Istria	A253A	Croatia	45.2926N	13.8167E	408	From 2016-06-06
Karokaro, Northern Div. Fiji, LBSA	LBSS	Fiji	16.3019S	179.4506E	13	
KARONGA	KARM1	Malawi	9.9541S	33.8954E	522	From 2010-08-05
Karpankyla	KU5	Finland	65.9146N	29.8862E	260	From 2003-11-05
Karpathos	KRPA	Greece	35.5082N	27.2092E	7	
Karpathos	KRPT	Crete,Greece	35.7611N	27.1981E	161	From 2007-05-01
Karpathos	KARP	Greece	35.5472N	27.1612E	528	
Karpathos	KAP	Greece	35.5508N	27.1747E	250	From 1988-01-01 to 2003-02-24
Karratha	KAA	Western Australia,Australia	20.7772S	116.8590E	15	From 1971-02-11 to 1972-08-09
Kars	DIGO	Turkey	40.4147N	43.3742E	2278	From 2005-08-04
Kars	KARS	Turkey	40.6276N	43.0788E	1450	From 1994-01-13
Karsak	KRSK	Turkey	40.4050N	29.2582E	176	From 2005-09-28
Karshahi	KRSH	Iran	33.9693N	52.1354E	1629	From 2012-04-01
Kars-Merkez-Bozkale	BOZK	Turkey	40.5906N	42.9763E	1892	From 2017-02-06
Kartellspeicher, Verwall	A037A	Austria	47.0703N	10.2643E	2020	From 2015-10-29
Karterados	SAP2K	Greece	36.4108N	25.4457E	185	
Karterados, Santorini	SNT3	Greece	36.4130N	25.4471E	136	From 2011-05-26
Karuizawa	KAZ	Nagano,Japan	36.3383N	138.5500E	1001	
Karuizawa	KRZ	Nagano,Japan	36.3383N	138.5500E	1001	
Karymshinskiy	KRMR	Kamchatskaya Oblast',Russia	52.8300N	158.1300E	120	From 2002-07-01
Karymskiy	KII	Kamchatskaya Oblast',Russia	54.0360N	159.4490E	900	
Karystos	KARY	Greece	38.0321N	24.4370E	220	From 2008-06-16
Kas	AKAS	Turkey	36.2327N	29.6052E	1279	From 2005-03-24
Kasabonika Lake, First Nations Ontario	KASO	Ontario,Canada	53.5279N	88.6414W	192	From 2005-08-03
Kasai	JKS	Hyogo,Japan	34.9827N	134.8443E	150	
Kasama	KSMZ	Zambia	10.1715S	31.2255E	1392	
Kasane	KSANE	Botswana	17.8002S	25.1618E	1006	
Kasansay	KSNS	Uzbekistan	41.1584N	71.5207E	882	
Kasempa	KMZ	Zambia	13.4555S	25.8337E	1223	From 1984-01-01
Kashi	KSH	Xinjiang Uygur Zizhiqu,China	39.5167N	75.9731E	1314	
Kashi	KSH0	Xinjiang Uygur Zizhiqu	39.4500N	76.0250E	1286	From 1912-11-03 to 1912-12-31
Kashima	KSJ	Nagano,Japan	36.5762N	137.8050E	1010	From 1968-12-01 to 1969-03-31
Kashiwara	KAJ	Osaka,Japan	34.5000N	135.8000E	120	
Kashiwa-zaki	KZJ	Niigata,Japan	37.3307N	138.5265E	100	
Kashiwa-zaki	KZK	Niigata,Japan	37.2951N	138.5157E	220	
Kasigluk River	M15K	Alaska,U.S.A.	60.6947N	160.6884W	210	From 2017-05-21
Kaskelen	KASK	Kazakhstan	43.2178N	76.6414E	790	From 2016-07-29
Kasma	KU7	Finland,Finland	65.7582N	28.8991E	265	From 2007-08-13
Kasperske Hory	KHC	Czech Republic	49.1309N	13.5782E	695	From 1973-01-01
Kasr	KASR	Egypt	23.6105N	33.0872E	230	
Kasrt alli	KSRV	Syria	35.8641N	39.0026E	300	From 2005-01-01
Kassala	KSLA	Sudan	15.4016N	36.4343E	540	
Kassiopi	KASA	Greece	39.7463N	19.9354E	65	From 2010-08-18
Kassos Island	KSS1	Greece	35.4189N	26.9207E	0	From 2011-10-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Kastamonı-Ara	PELI	Turkey	41.3005N	33.3117E	1057	From 2013-02-28
Kastamonu	KAS	Turkey	41.3717N	33.7667E	850	From 1958-09-01
Kastamonu	KMON	Turkey	41.3738N	33.7839E	935	From 2013-09-23
KASTAMONU	KAST	Turkey	41.4904N	33.9286E	677	From 2008-12-02
Kastamonu/Cide-Merkez	CIDE	Turkey	41.8821N	32.9471E	27	From 2014-12-01
Kastamonu-Seydiler	SEYI	Turkey	41.6357N	33.7416E	1056	From 2017-03-17
Kastanea	KTI	Greece	40.3929N	22.1165E	1329	
Kastek	KST	Kazakhstan	43.0430N	75.9630E	1415	
Kastelli Heraklio	KSTL	Crete,Greece	35.3037N	25.0707E	70	From 2006-12-01
Kastellorizon	KSL	Greece	36.1500N	29.5833E	100	From 1988-01-01
Kastoria	KAS2	Greece	40.5050N	21.2803E	657	From 2011-09-01
Kastoria	KSO	Greece	40.5225N	21.2775E	740	From 1997-01-01
Kasumi	JKSM	Hyogo,Japan	35.5875N	134.6638E	85	
Kasumkent	KSMR	Dagestan,Russia	41.6028N	48.1278E	840	
Kaszmaul Farm, Murdock	S33A	Kansas,U.S.A.	37.5936N	98.0016W	471	From 2009-10-16 to 2011-08-26
Katakolo	KTLO	Greece	37.6439N	21.3204E	0	
Katale	KTL	Democratic Republic of the Congo	1.3247S	29.3838E	1600	From 1990-01-01
Katano	KTNK	Osaka,Japan	34.7716N	135.7053E	250	
Katas	KTAS	Punjab,India	32.7000N	72.6000E	655	From 2010-06-30
Katashina	JKT	Tochigi,Japan	36.7667N	139.2488E	933	
Katerini	KAT1	Greece	40.2659N	22.5088E	75	From 2008-09-30
Katherine and Luke Keathley, Corsicana	236A	Texas,U.S.A.	31.9997N	96.5310W	118	From 2010-04-25 to 2012-01-20
Katherine High School	AUKAT	Northern Territories,Australia	14.4600S	132.2800E	122	From 2013-08-11
Katima Mulilo	KATM	Namibia	17.4891S	24.3043E	950	
Katlanovo	KAY	FYR Macedonia	41.8958N	21.7017E	248	From 1969-01-01
Katmai	KAWH	Alaska,U.S.A.	58.3837N	154.7992W	777	
Katmai	KTM	Alaska,U.S.A.	58.3247N	155.3760W	945	From 1973-07-27 to 1975-08-24
Katmai Barrier Ridge	KABR	Alaska,U.S.A.	58.1312N	154.9692W	884	
Katmai Bkd Mtn	KBM	Alaska,U.S.A.	58.2750N	155.2017W	732	
Katmai Buttress	KABU	Alaska,U.S.A.	58.2704N	155.2822W	1065	
Katmai Hardscrabble Creek	KAHC	Alaska,U.S.A.	58.6483N	155.0081W	1250	From 2005-11-01
Katmai Hardscrabble Creek	Q18K	Alaska,U.S.A.	58.6484N	155.0086W	1250	From 2016-06-02
Katmai Hook Glacier	KAHG	Alaska,U.S.A.	58.4940N	154.5463W	923	
Katmai Ikagluik Creek	KAIC	Alaska,U.S.A.	58.4850N	155.0458W	734	
Katmai Knife Crk	KAKN	Alaska,U.S.A.	58.2970N	155.0611W	1049	
Katmai Mt Cerb's	KCE	Alaska,U.S.A.	58.2433N	155.1833W	777	
Katmai Pasha	KAPH	Alaska,U.S.A.	58.5968N	154.3468W	907	
Katmai Rainbow River	KARR	Alaska,U.S.A.	58.4978N	154.7033W	610	
Katmai Vly 10 NE	KVTA	Alaska,U.S.A.	58.3817N	155.2950W	457	
Katnaghbyur	KATS	Armenia	41.0183N	44.1850E	1795	
Katnajur	NB2S	Armenia	40.8150N	44.1717E	1800	
Kato	SKBJ	Hokkaido,Japan	43.2383N	143.0367E	460	From 2003-03-03
Kato Achaia	KAC1	Greece	38.1381N	21.5481E	34	From 2012-10-01
Kato Vasiliki	VRS	Greece	38.3520N	21.6080E	340	From 2006-05-10
Katrineberg	KTN	Sweden	61.0660N	16.2840E		From 1980-01-01
Katsuura	KTR	Chiba,Japan	35.1478N	140.3153E	10	From 1988-01-01
Katsuyama	KAJD	Fukui,Japan	36.0487N	136.5281E	300	
Katsuyama	KADD	Fukui,Japan	36.0621N	136.5482E	380	
Kattakurgan	KKRN	Uzbekistan	39.8896N	66.2736E	500	
Kattavia Rhodes Isl.	RKT1	Greece	35.9534N	27.7685E	46	From 2012-08-01
Kaudwane	KDWAN	Botswana	23.3803S	24.6608E	1038	
Kauhava	NE63	Finland	63.0470N	22.6680E	55	
Kaukuwa	NEPA	Namibia	17.7703S	18.4597E	1129	From 2015-05-01
Kauri Point	KAAZ	North Island,New Zealand	36.8223S	174.7036E	80	From 1998-05-23 to 2009-09-08
Kaushut	KAH	Turkmenistan	37.4500N	59.4830E	257	
Kautokeino	KTK3	Norway	69.0067N	23.2352E		From 1989-01-01 to 2003-04-05
Kautokeino	KTK6	Norway	69.0100N	23.2360E	340	
Kautokeino	KTK5	Norway	69.0096N	23.2273E		
Kautokeino	KTK4	Norway	69.0081N	23.2347E		
Kautokeino	KTK2	Norway	69.0075N	23.2374E		From 1989-01-01 to 2003-04-05
Kautokeino	KTK1	Norway	69.0117N	23.2371E	340	From 1989-01-01
Kavak	KVT	Turkey	41.0806N	36.0464E	650	From 1976-08-01
Kavala	KVLA	Greece	40.9370N	24.3859E	122	From 2010-08-25
Kavala	KAVA	Greece	40.9967N	24.5137E	157	From 2008-05-16
Kavala, KAV	KAVS	Greece	41.0063N	24.4171E	418	
Kavieng	KAVG	New Ireland,Papua New Guinea	2.5816S	150.8066E	20	From 2013-06-03
Kavieng	KAV	New Ireland,Papua New Guinea	2.5733S	150.8170E	4	From 1971-08-25 to 1974-05-31
Kavieng	KVG	New Ireland,Papua New Guinea	2.5878S	150.8120E	10	From 1974-05-01 to 2013-06-01
Kavik River	D25K	Alaska,U.S.A.	69.3220N	146.3751W	770	From 2016-06-22
Kavouri	KVR	Greece	37.8278N	23.7695E	60	
Kawah Idjen	KIJ	Jawa,Indonesia	8.0667S	114.2330E		
Kawai	KWJ	Shiga,Japan	35.5154N	136.2494E	170	
Kawak Butte, Newberry	KWBU	Oregon,U.S.A.	43.7524N	121.3119W	1783	From 2012-01-01
Kawasaki	HRM	Kanagawa,Japan	35.5506N	139.6792E	-536	
Kawatabi	KWT	Miyagi,Japan	38.7533N	140.7600E	260	
Kawauchi	JFK	Fukushima,Japan	37.3665N	140.8745E	520	
Kawazu	KWZ	Shizuoka,Japan	34.7625N	138.9900E	65	
Kaweka Forest	KWHZ	North Island,New Zealand	39.4240S	176.4228E	799	From 2010-06-02
Kawich Peak	KP-NV	Nevada,U.S.A.	37.8975N	116.4592W	2134	
Kawich Range	KRNA	Nevada,U.S.A.	37.7417N	116.3803W	1980	From 1980-04-23 to 2002-10-10
Kayabasi	BDRM	Turkey	37.0653N	27.4442E	368	From 2003-05-26
Kayabe	JKB	O shima,Japan	41.8877N	141.0325E	10	
Kayacik-Havza(Samsun)	KAYA	Turkey	40.9468N	35.7490E	890	From 2013-12-05
Kayak Island	KAIM	Alaska,U.S.A.	59.9268N	144.4188W	316	From 2011-07-10
Kayak Island	KYK	Alaska,U.S.A.	59.8683N	144.5230W	375	From 1974-10-02 to 1999-08-25
Kaye Shedlock's, Cheyenne Wells	KSCO	Colorado,U.S.A.	39.0112N	102.6273W	1382	From 2008-10-28
Kayrak	KYR	Turkey	36.3517N	33.5253E	1210	From 1988-01-01
Kayseri	GUNE	Turkey	38.9025N	35.6250E	1235	From 2013-01-31
KAYSERI_Yahyali	YAHY	Turkey	38.0947N	35.3630E	1230	From 2011-05-31
Kazeron-Fars-Iran	KAZ2	Iran	29.6128N	51.6620E	884	From 2018-02-27
Kazeroun	IKAZ	Iran	29.7796N	51.8400E	2805	From 2002-10-01
Kazerun	KAZ1	Iran	29.6252N	51.6395E	850	From 2014-07-08
Kaziranga	KZI	Assam,India	26.5767N	93.4083E	130	From 1983-02-01
Kazreti	KZRT	Georgia,Georgia	41.3866N	44.3987E	723	From 2012-08-24
Kazreti	KZR	Georgia,Georgia	41.3815N	44.4153E	740	From 2003-01-01
Kean, EDRNE	GOKT	Turkey	40.6617N	26.6266E	176	From 2019-12-07
Kealakekua	KLK	Hawaii,U.S.A.	19.5220N	155.9200W	505	From 1964-01-28 to 1974-01-31
Kealakomo	KEA	Hawaii,U.S.A.	19.3083N	155.1600W	201	
Keanaka@18ko`i	KKO	Hawaii,U.S.A.	19.3978N	155.2660W	1146	
Keanakolu	KKU	Hawaii,U.S.A.	19.8898N	155.3430W	1863	
Kearney REC, California	KARE	California	36.5975N	119.5038W	104	From 2018-09-01
Keban	KEB	Turkey	38.7978N	38.7278E	739	From 1974-05-28
Keben-Mersin	KEBE	Turkey	36.4470N	33.7132E	769	From 2011-07-01
Kecel	PKS2	Hungary	46.4920N	19.2131E	106	
Kechabta	KCHT	Tunisia	37.1100N	9.9400E	565	
Kecovo	KECS	Slovakia	48.4832N	20.4856E	345	From 2003-12-15
Kecskemet	KEC	Hungary	46.9122N	19.6983E	122	
Kedomdong	KEDI	Lombok,Indonesia	8.4870S	116.1130E	560	From 1991-01-01
Kedougou	KED*	Senegal	12.5687N	12.2112W		From 1976-08-01
Kedougou	KED	Senegal	12.9258N	12.3214W		From 1974-08-01 to 1976-08-01
Kedougou	KDS	Senegal	12.5687N	12.2112W	110	From 1976-05-01
Kedougou	KDG	Senegal	12.9258N	12.3214W		
Kedrikon, N034	N034M	Greece	41.1669N	22.9005E	446	
Keefer Ranch, Vananda	E21A	Montana,U.S.A.	46.5408N	107.0757W	834	From 2008-08-10 to 2010-08-05
Keeler	KEEL	Oregon,U.S.A.	45.5502N	122.8951W	67	
Keelung Port	KLUP	Taiwan region	25.1330N	121.7410E	0	From 2001-04-10
Keen Camp Maintenance Station	KEE	California,U.S.A.	33.6383N	116.6530W	1366	From 1975-02-01
Keen Mountain	KMV	Virginia,U.S.A.	37.2083N	82.0258W	500	From 1969-01-01 to 1969-12-31
Keepit Bedrock	KPTM	New South Wales,Australia	30.8851S	150.4819E	295	
Keepit Dam	KPAM	New South Wales,Australia	30.8791S	150.4902E	264	
Keeseville	KSVO	New York,U.S.A.	44.5424N	73.6861W	388	
Keetly	KLJ	Utah,U.S.A.	40.6308N	111.4050W	1992	From 1992-10-30
Kefar Szold	KSDI	Israel	33.1920N	35.6590E	123	
Kef Ayad	AKAY	Algeria	36.3063N	4.9353E	1485	
Kef el Ahmar	CKHR	Algeria	36.0167N	5.5122E	1280	
Kef-Lekhel	CKFL	Algeria	36.4000N	6.7200E	1229	From 2004-12-01
Keg River	KV-	Alberta,Canada	56.8303N	117.3239W	305	From 1965-10-12 to 1965-11-15
Keg River	KV-AT	Alberta,Canada	56.8303N	117.3239W	305	From 1965-10-12 to 1965-11-15
Kehl	A123A	Germany	48.6115N	7.8910E	136	From 2016-02-26

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Kehvi	KEH	Georgia,Georgia	42.3082N	43.9339E	1031	From 2007-12-29
Keihoku	JWK2	Soya,Japan	45.3162N	141.8975E	60	
Keihoku	KHK	Kyoto,Japan	35.1774N	135.6623E	260	
Keimoes	KEIM	Cape Province,South Africa	28.7040S	20.9680E	760	From 2010-12-22
Keiteng, Limpopo	KEIT	South Africa	23.3993S	28.8743E	1098	From 2017-07-14
Keizer	R55E0	Oregon	45.0019N	123.0162W	45	From 2017-01-28
Kejulik	KJL	Alaska,U.S.A.	58.0540N	155.5732W	792	From 1996-08-01
Kekaha	KEKH	Hawaii,U.S.A.	21.9829N	159.7110W	54	From 2007-07-18
Kekajrvi, Ylivieska	OBF6	Finland	64.1389N	24.5666E	70	From 2013-03-20
Kekliktepe	KEKT	Turkey	40.4853N	29.2422E	950	From 1994-01-01
Kelakatan	KELI	Bali,Indonesia	8.2167S	114.4910E	591	
Kelardasht - Mazandaran	KLST	Iran	36.5179N	51.0590E	2650	From 2016-10-09
Kelbejer	KBJ	Azerbaijan	40.1500N	46.0900E	1350	From 1984-01-01 to 1993-01-01
Kelkit	KELT	Turkey	40.1486N	39.2556E	1912	From 2003-11-06
Kell Court Alamo	C026	California,U.S.A.	37.8705N	122.0513W	89	From 2009-09-21
Kellenhusen	KHUS	Schleswig-Holstein	54.1962N	11.0546E	0	From 2018-08-24
Kellerberrin	KLBR	Western Australia,Australia	31.5915S	117.7546E	320	From 1999-10-13
Kellerberrin	KLB	Western Australia,Australia	31.5923S	117.7600E	300	From 1981-09-23 to 2006-05-29
Kellogg	KGI	Idaho,U.S.A.	47.4883N	116.0820W	1400	From 1970-01-01 to 1975-01-31
Kelly Canyon	KCI	Idaho,U.S.A.	43.6688N	111.6640W	1902	
Kelly Hill Caves	KELC	South Australia,Australia	35.9791S	136.9079E	30	
Kelly School	KSWY	Wyoming,U.S.A.	43.6226N	110.6280W	2031	
Kelsey	KELB	British Columbia,Canada	48.6611N	123.5701W	53	
Kelsey Bay	KBB	British Columbia,Canada	50.3847N	126.0280W	1310	From 1986-08-23
Kelsey New	KLNB	British Columbia,Canada	48.6611N	123.5706W	53	
Keltepe	KLT	Turkey	40.6435N	30.1006E	1601	From 1978-09-01 to 1980-12-31
Kelud	KEL	Jawa,Indonesia	8.1000S	112.9000E		
Kemaliye	KEMA	Turkey	39.2688N	38.4932E	1026	From 2006-10-19
Kemer-ANTALYA	KEMT	Turkey	36.6037N	30.5559E	0	From 2012-10-10
Kemer-Bodrum	RFTB	Turkey	36.9640N	27.2713E	14	From 2017-07-27
Kemerovo	KEM	Kemerovskaya Oblast',Russia	55.3429N	86.0886E	122	From 2005-05-19
Kempfer Cattle CO., St. Cloud	859A	Florida,U.S.A.	28.0592N	80.8984W	13	From 2012-02-15
Kenai	KEN	Alaska,U.S.A.	60.6167N	151.1533W	10	From 1964-04-04 to 1964-06-26
Kencho	TASH	Bhutan	27.7492N	89.7309E	1614	
Kendall Valley, Cora	J18A	Wyoming,U.S.A.	43.2112N	110.0200W	2357	From 2007-11-05 to 2009-05-17
Kendari	KDI	Sulawesi,Indonesia	3.9574S	122.6192E	55	From 2005-01-01
Kendrikon	KNT	Greece	41.1619N	22.8981E	380	From 1981-01-01
Kenedy	735A	Texas,U.S.A.	28.8553N	97.8081W	90	From 2009-12-18 to 2011-11-13
Kennady Lake	KNDN	Northwest Territories,Canada	63.4193N	109.2013W	421	
Kennard Place, Willow Creek	F16A	Montana,U.S.A.	45.7843N	111.6262W	1350	From 2007-10-18 to 2009-07-11
Kennedy	BKA	Alabama,U.S.A.	33.6339N	87.9690W	122	
Kennewick	KE-WA	Washington,U.S.A.	46.1400N	119.2775W	396	
Kennewick	KE-	Washington,U.S.A.	46.1400N	119.2775W	396	
Kent Elementary ANSS-SMO	KNEL	Washington,U.S.A.	47.3805N	122.2519W	14	From 2004-08-01
Kentfield	KFC	California,U.S.A.	37.9550N	122.5530W	6	
Kentland	N45A	Indiana,U.S.A.	40.8479N	87.5118W	206	From 2011-10-12
Kenton	WCMM	Tennessee	36.2678N	89.0797W	85	From 1989-12-14 to 1990-11-16
Kenton	RIGT	Tennessee	36.2503N	89.0163W	82	From 1991-10-10 to 1992-02-27
Kenton	E41A	Michigan,U.S.A.	46.4643N	88.9636W	377	From 2011-09-10 to 2013-06-08
Kent School, Kent	KSCT	Connecticut,U.S.A.	41.7261N	73.4842W	114	
Kent State University	KSUO	Ohio,U.S.A.	41.1509N	81.3504W	370	
Kenya Marble PS	KEN1	Kenya	1.9412S	36.6927E	1692	From 2013-07-10 to 2014-12-02
Keonjhar	KNJR	Orissa	21.6970N	85.6398E	469	From 2017-04-24
Kepong	FRIM	Peninsular Malaysia,Malaysia	3.2370N	101.6250E	98	From 1996-01-01
Keramoti	KERA	Crete,Greece	35.3692N	23.5577E	240	
Keravat	KET	New Britain,Papua New Guinea	4.3331S	152.0360E	17	From 1969-03-26 to 1970-12-31
Keravat	I40PG	Papua New Guinea	4.2990S	152.0117E	84	From 2014-04-10
Keravat	KRT	New Britain,Papua New Guinea	4.3529S	152.0520E	20	From 1966-11-18 to 1969-04-07
Keravat (AS076)	KRVT	New Britain,Papua New Guinea	4.3068S	152.0260E	105	From 2013-03-17
Kerch	KERU	Crimea	45.3100N	36.4600E	50	From 1997-05-01
Kerema	KRG	Papua New Guinea	7.9597S	145.7690E	14	
Keren	KERI	Israel	30.9900N	34.4900E	360	
Kereru	KRHZ	New Zealand	39.6431S	176.3701E	530	From 2008-04-28
Kerevinumbu	VSULE	Vanuatu	15.5155S	166.7279E	117	
KERGUELEN INFRASONIC ARRAY REFERENCE POINT	I23FR	Kerguelen Islands,France	49.3458S	70.2416E	84	From 2007-12-10
kERI	KRI1	Greece	37.6621N	20.8172E	178	From 2012-11-01
Kerinci	KRJI	Sumatera,Indonesia	2.0912S	101.4619E	811	From 2005-01-01
kERKIRA	KRK1	Greece	39.6179N	19.9163E	16	From 2010-10-01
Kerkira	KEK	Greece	39.7130N	19.7987E	280	From 1989-03-01
Kerman	KRBA	Iran	29.9797N	56.7523E		
Kerman	KRBR	Iran	29.9822N	56.7605E	2576	From 2004-06-01
Kerman Province	KRM1	Iran	30.5029N	57.2714E	1996	
Kermanshah	KER	Iran	34.3850N	47.1319E	1330	
Kermit	KT1	New Mexico,U.S.A.	32.0683N	103.3290W	930	From 1975-11-08 to 1999-08-25
Kermit	KM9	Texas,U.S.A.	31.7482N	102.8563W	888	From 1976-10-14 to 1999-08-25
Kermit	KM3	Texas,U.S.A.	31.6777N	103.2092W		
Kermit	KM6	Texas,U.S.A.	31.9825N	102.8632W	1030	From 1976-10-16 to 1999-08-25
Kermit	KME	Texas,U.S.A.	31.5782N	103.1200W	816	From 1976-10-14 to 1999-08-25
Kermit	KIE	Texas,U.S.A.	31.6068N	103.1957W	828	
Kermit	KM2	Texas,U.S.A.	32.0925N	103.0718W	932	
Kermit	KTE	Texas,U.S.A.	31.5278N	103.0970W	799	From 1976-01-15 to 1976-10-14
Kermit	KT9	New Mexico,U.S.A.	31.7178N	102.8810W	869	From 1976-01-17 to 1976-10-14
Kermit	KT8	New Mexico,U.S.A.	31.7067N	103.0972W	840	From 1976-01-16 to 1999-08-25
Kermit	KM5	Texas,U.S.A.	31.8317N	103.0317W	874	From 1976-10-15 to 1999-08-25
Kermit	KT7	New Mexico,U.S.A.	31.7092N	103.3060W	847	From 1975-11-13 to 1999-08-25
Kermit	KKT	Texas,U.S.A.	31.6227N	103.2890W		
Kermit	KT5	New Mexico,U.S.A.	32.0680N	103.3260W		From 1976-03-24 to 1976-10-15
Kermit	KT4	New Mexico,U.S.A.	31.9100N	103.3152W	948	From 1976-01-17 to 1999-08-25
Kermit	KT3	New Mexico,U.S.A.	31.6227N	103.2888W	855	
Kermit	KIT	Texas,U.S.A.	31.5436N	102.8820W	795	
Kermit	KTT	Texas,U.S.A.	31.5436N	102.8820W	795	From 1975-11-10
Kermit	KT2	New Mexico,U.S.A.	32.0894N	103.1020W	927	From 1976-01-20 to 1976-12-15
Kermit	KTX	Texas,U.S.A.	31.5305N	103.2897W	847	From 1976-01-16 to 1999-08-25
KERN	KERN	Israel	30.9940N	34.4870E	363	From 1985-12-01 to 2000-04-30
Kerns, Kirchgemeinde, OW	SKEK	Switzerland	46.9022N	8.2775E	568	From 2019-02-24
Kern-Tulare	WKTM	California,U.S.A.	35.7940N	118.4420W	890	
Kerr Lake	PKLM	California,U.S.A.	35.7730N	120.3399W	422	
Kerrville	533A	Texas,U.S.A.	30.0718N	99.0351W	556	From 2009-11-07 to 2011-10-05
Kesennumamotoyoshi	JKMT	Miyagi,Japan	38.8108N	141.4738E	67	From 2012-11-01
Keshet	KSHT	Israel	32.9820N	35.8110E	719	From 1991-05-01
Keskin Array Beam Reference Point	BRTR	Turkey	39.7250N	33.6390E	1440	
Keskin Array Site 101	BR101	Turkey	39.7254N	33.6391E	1437	
Keskin Array Site 102	BR102	Turkey	39.7355N	33.6486E	1525	
Keskin Array Site 103	BR103	Turkey	39.7196N	33.6570E	1488	
Keskin Array Site 104	BR104	Turkey	39.7074N	33.6414E	1346	
Keskin Array Site 105	BR105	Turkey	39.7180N	33.6173E	1431	
Keskin Array Site 106	BR106	Turkey	39.7338N	33.6180E	1372	
Keskin Array Site 131	BR131	Turkey	39.7253N	33.6390E	1414	
Keskin MP Array Beam Reference Point	BRMAR	Turkey	39.8417N	32.7760E	1257	
Keskin MP Array Site 231	BR231	Turkey	39.8417N	32.7760E	1196	
Keskin MP Array Site 232	BR232	Turkey	39.9285N	32.9820E	1071	
Keskin MP Array Site 233	BR233	Turkey	39.7935N	32.9813E	1	
Keskin MP Array Site 234	BR234	Turkey	39.6519N	32.8001E	1002	
Keskin MP Array Site 235	BR235	Turkey	39.7413N	32.5916E	1217	
Keskin MP Array Site 236	BR236	Turkey	39.8795N	32.5511E	1035	
Keskin MP Array Site 237	BR237	Turkey	40.0187N	32.7304E	1045	
Kesra	KEST	Tunisia	35.7318N	9.3460E	885	
KESRA INFRASONIC ARRAY REFERENCE POINT	I48TN	Tunisia	35.8052N	9.3230E	848	From 2006-06-02
Kestanelik-??atalca	CTKS	Turkey	41.2364N	28.5066E	47	From 2007-09-28
Kestrany	A077A	Czech Republic	49.2705N	14.0739E	370	From 2015-11-03
Keswick	CKE	England,United Kingdom	54.5877N	3.1059W	304	
Keswick, Cumbria	KESW	England,United Kingdom	54.5886N	3.1048W	282	From 2008-09-04
Ketchikan	KCN	Alaska,U.S.A.	55.3343N	131.6325W	20	
Ketchikan	V35K	Alaska,U.S.A.	55.3279N	131.6150W	64	From 2016-08-18
Ketetahi	KETZ	North Island,New Zealand	39.0987S	175.6519E	1208	From 1985-05-01 to 1992-01-22
Keti	KETS	Armenia	40.8783N	43.8500E	1750	
Ketmen	KTMS	Kazakhstan	43.4460N	80.3520E	1509	From 2000-08-18
Kettenpom Peak	KKPM	California,U.S.A.	40.1458N	123.3350W	1244	
Kettle Butte	KBI	Idaho,U.S.A.	43.5907N	112.3770W	1698	From 1992-01-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Kettleman Hills	PKEM	California,U.S.A.	36.0615N	120.1090W	288	
Ketumbeine	KETU	Tanzania,United Republic of Tanzania	2.8245S	36.2997E	1253	
Keumsan	KSKMS	Republic of Korea	36.1016N	127.4837E	171	From 2000-12-23
Keung Shan	HKLI	Hong Kong,China	22.2417N	113.8787E	100	From 1997-04-23
Keuruu	KEF	Finland	62.1672N	24.8703E	215	From 1977-08-31
Kevo	KEV	Finland	69.7553N	27.0067E	80	From 1967-06-01
Kevo	KEV1	Finland	69.7558N	27.0125E	97	
Kew	KEW	England,United Kingdom	51.4683N	0.3131W	5	
Kewanee	KEWM	Missouri,U.S.A.	36.6981N	89.5926W	85	
Key Point	KYP	California,U.S.A.	34.1018N	118.8795W	700	
Keysborough Secondary College	AUKSC	Victoria,Australia	37.9700S	145.1600E	50	From 2013-05-09
Keystone College	KSPA	Pennsylvania,U.S.A.	41.5570N	75.7681W	297	
Keyworth	KEY2	England,United Kingdom	52.8790N	1.0770W	76	
Keyworth	KEY1	England,United Kingdom	52.8779N	1.0757W	59	
Kfar Habou, BARB	BARBL	Lebanon	34.4090N	35.9500E	1740	
Kfar Ka'horesh	HRSH	Israel	32.7000N	35.2800E	416	
Kfar Ruppin	KRPI	Israel	32.4500N	35.5700E	0	From 1988-04-26 to 1989-05-31
KGF	KGF	Karnataka,India	12.9483N	78.2541E	876	From 1999-01-01
Kgwebe Hills	KBH1	Botswana	20.7020S	23.0510E	1042	From 2001-01-01 to 2100-12-31
Khabarovsk	KHBR	Khabarovskiy Kray,Russia	48.4740N	135.0560E	81	From 2006-05-17
Khabarovsk	HABR	Khabarovskiy Kray,Russia	48.4730N	135.0510E	81	From 2005-04-01
Khabaz	KBZ	Stavropol'skiy Kray,Russia	43.7286N	42.8975E		
Khaf	KHAF	Iran	34.5667N	60.1226E	1008	From 2013-03-21
Khafji	KFJS2	Saudi Arabia	28.3481N	48.3957E	100	
Khafji	KFJS	Saudi Arabia,Saudi Arabia	28.1866N	47.9416E	161	
Khafra	HKFR	Egypt	22.5891N	31.3047E	340	
Khaishi	KHS	Georgia,Georgia	42.9427N	42.1893E	644	From 1967-01-01
Khait	KHAT	Tajikistan	39.1700N	70.8800E	1800	
Khalili_Fars	KHL1	Iran	27.6380N	53.3007E	468	From 2019-12-01
khalkal	ADB	Iran	37.3700N	48.2000E	1576	
Khamasin	KMSA	Saudi Arabia	20.3710N	44.4950E	715	From 1988-11-01
Khamis Mushayt	KMTU	Saudi Arabia	18.1660N	42.8650E	2000	From 1990-06-13
Khamis Mushayt	KMTA	Saudi Arabia	18.1660N	42.8650E	2000	
Khanabri	KHS1	Pakistan	35.6630N	73.9450E	1818	From 2007-09-01
Khanabri-I	KHB1	Pakistan	35.5740N	73.8520E	1222	From 2007-09-01
Khancoban	KHA	New South Wales,Australia	36.2136S	148.1290E	435	From 1968-09-06
Khandyga	KHG	Sakha,Russia	62.6500N	135.5500E	105	
Khani	KHNR	Sakha,Russia	56.9210N	119.9790E	690	From 2005-12-11
Khani	KHNS	Amurskaya Oblast',Russia	57.0400N	121.0100E	390	From 1967-01-01 to 2005-01-01
Khani	KHN	Sakha,Russia	56.9211N	119.7892E	690	From 2005-12-01
Khanty-Mansiysk	HMA	Khanty-Mansi Autonomous Okrug,Russia	61.0333N	69.1167E	91	
Khaolaem Dam	KHLT	Thailand	14.7970N	98.5893E	164	
Khao Laem Dam	KHT	Thailand	14.7848N	98.5925E	173	From 1982-10-01
Khapcheranga	KPC	Buryatiya,Russia	49.7039N	112.3789E	953	
Kharagpur	ITKG	West Bengal,India	22.3191N	87.3707E	40	From 2012-01-01
Kharino, NSO, Russia	KHAR	Novosibirskaya Oblast',Russia	54.6132N	83.5897E	130	From 2011-10-09
Kharkheh	IKAR	Iran	32.4833N	48.1543E	0	From 1998-01-01
Kharkiv	KHAM	Ukraine	49.9990N	36.2481E	640	
Kharsali	KSLI	Himachal Pradesh,India	30.9745N	78.4395E	2555	From 2007-05-01
Khatum	KTMO	Oman	23.4841N	57.6854E	85	From 1998-07-13
Khatystyr	KHY	Amurskaya Oblast',Russia	55.7000N	121.5000E	470	
Khaudum	XAUDM	Botswana	18.5395S	21.3382E	1060	
Khaybar	KBR09	Saudi Arabia	26.0344N	39.6655E	1066	
Khaybar	KBR07	Saudi Arabia	25.2560N	39.4630E	911	
Khaybar	KBR04	Saudi Arabia	25.9800N	40.2790E	1173	
Khaybar	KBR10	Saudi Arabia	25.1260N	39.9350E	1114	
Khaybar	KBR08	Saudi Arabia	25.7196N	39.4773E	858	
Khaybar	KBR02	Saudi Arabia	25.2280N	40.2410E	1000	
Khaybar	KBR01	Saudi Arabia	25.4575N	39.7813E	1237	
Khaybar	KBRS	Saudi Arabia	25.7886N	39.2644E	200	
Khaybar	KBR05	Saudi Arabia	25.5730N	40.3070E	1212	
Khaybar	KBR03	Saudi Arabia	25.8220N	39.9500E	1723	
Kheis	KHE	Arkhangel'skaya Oblast',Russia	80.6167N	58.0500E	21	
Khelvachauri	KHEL	Georgia,Georgia	41.5742N	41.6963E	32	From 2003-01-01
Khenifra	KHF	Morocco	32.9830N	5.7070W	1060	
Khetri	KHET	Rajasthan,India	28.0740N	75.8063E	330	From 2001-08-01
Khezeriat	SKHZ	Iran	30.9498N	48.5347E	6	From 2010-08-11
Khinaliq	XNQ	Azerbaijan	41.1720N	48.1400E	1985	From 2010-11-10
Khiner	KHI1	Pakistan	35.4360N	74.1510E	1240	From 2007-09-01
Khingansk	KNGS	Yevreyskaya Avtonomnaya Oblast',Russia	49.1220N	131.1920E	520	From 1979-08-12 to 1984-04-30
Khios Island	XIO	Greece	38.2567N	26.0408E	210	From 1997-01-01
Khitrov Hills	KHIT	Alaska,U.S.A.	60.4432N	143.2490W	1101	
Khiva	KHV	Uzbekistan	41.3827N	60.3506E	101	
Khnkoyan	XYB	Armenia	40.8350N	44.0200E	1780	
Khodutka, Kamchatskaya Oblast',Russia	KDTR	Kamchatskaya Oblast',Russia	51.8090N	158.0770E	40	From 2011-09-09
Khodzhikent	KDK	Uzbekistan	41.6167N	69.9667E		
Kholmsk	KHLM	Sakhalinskaya Oblast',Russia	47.0550N	142.0520E	45	From 2008-10-10
Khomeyn	KHMZ	Iran	33.7390N	49.9590E	1985	From 2009-01-12
Khomkaen	KHON	Thailand	16.3378N	102.8230E	134	
Khong Chiam	UBPT	Thailand	15.2800N	105.4700E	120	From 2008-01-01
Khon Kaen	KKTK	Thailand	16.3370N	102.8230E	140	From 2001-01-01
Khonsa	KOI	Arunachal Pradesh,India	26.9833N	95.5000E	785	From 1979-01-01
Khor El Raml	AKRL	Egypt	23.6634N	32.7211E	205	
Khorog	KHO	Tajikistan	37.4833N	71.5333E	2199	
Khorongon	KHR	Tajikistan	38.6667N	68.7833E		
Khor Sakr	AKSR	Egypt	23.6372N	33.0208E		
Khovu-Aksy	HVS	Krasnoyarskiy Kray,Russia	51.1358N	93.7022E	1075	From 2007-04-25
Khrisi	XRY	Crete,Greece	34.8748N	25.6943E	21	
Khuff	NUMJS	Saudi Arabia	25.6307N	37.2745E	175	
Khujand	KHUD	Tajikistan	40.3186N	69.6841E	1129	From 1983-04-06
Khulais	KHLS	Saudi Arabia	22.0497N	39.2971E	158	
Khulais	KHLS2	Saudi Arabia	22.2622N	39.5181E	216	
Khumson	KHUM	Tajikistan	41.6800N	69.9500E	850	
KHUNTI	KNTI	India	23.0580N	85.2850E	644	
Khunzah	HNZR	Dagestan	42.5582N	46.7167E	1675	From 2016-10-06
Khunzakh	XNZR	Dagestan,Russia	42.5417N	46.7050E	1640	
Khuramsha	HRMR	Buryatiya,Russia	51.6280N	106.9550E	620	From 1997-04-01
Khuzdar	KHUZ	Pakistan	27.7800N	66.6000E	1244	From 2007-11-10
Khvani	KHVA	Georgia,Georgia	42.1902N	43.5236E	829	From 2007-10-03
KHWEE	KHWEE	Botswana	21.9463S	25.4468E	1083	
Kiagna River	KIAG	Alaska,U.S.A.	60.9236N	142.3587W	1773	
Kiajanaja	KJA	Guatemala	15.7398N	91.7827W	2280	From 1980-10-01 to 1999-08-25
Kiara Terrace	KIA	Pakistan	34.1133N	72.7133E	497	
Kiasar	IKIA	Iran	36.2070N	53.6837E	2167	From 2000-08-01
Kiato	KIAA	Greece	38.0139N	22.7496E	5	
Kibati	KBTI	Democratic Republic of the Congo	1.5690S	29.2784E	1992	
Kibaya	KIBA	Tanzania,United Republic of Tanzania	5.3052S	36.5743E	1520	
Kibumba	KBBA	Democratic Republic of the Congo	1.5190S	29.3328E	2029	
Kibwezi	KIBK	Kenya	2.3400S	38.0460E	775	From 1996-06-01
Kidapawan	KCP	Mindanao,Philippines	7.0090N	125.0900E	598	
KIDD Seismic Observatory, U. Texas El Paso	KIDD	Texas,U.S.A.	31.7718N	106.5064W	1162	From 2009-10-08
Kidegembe	KIDE	Tanzania	9.2745S	35.0214E	1760	From 2014-06-30 to 2015-11-04
Kidman Hollow	KDUT	Utah,U.S.A.	41.7213N	112.0290W	1829	From 1978-10-01
Kiev	KIEV	Ukraine	50.6944N	29.2083E	123	
Kifanya	KIFA	Tanzania	9.5472S	35.1026E	1742	From 2014-06-30 to 2015-11-04
Kiffisia	KIF1	Greece	38.0773N	23.8146E	307	From 2012-09-01
Kigali	KIG	Rwanda	1.9634S	30.0633E	1545	From 2008-10-09
Kigoma	KGMA	Tanzania,United Republic of Tanzania	4.8782S	29.6337E	820	
Kiinagashima	JKN	Mie,Japan	34.2483N	136.2633E	90	
Kiisa, Saku	EE02	Estonia	59.1906N	24.6968E	54	From 2015-05-12
Kijevo	KIJV	Croatia	44.0050N	16.4050E	413	From 2004-04-07
Kijyo	JKJ	Miyazaki,Japan	32.2483N	131.4150E	380	
Kikaishima	JZK	Ryukyu Islands,Japan	28.3145N	129.9720E	130	
Kika Raxquin	KIK	Guatemala	14.8130N	91.4105W	3200	From 1980-10-01
Kilae Creek	N18K	Alaska	60.6801N	155.8897W	572	From 2015-06-13
Kilembe	KIL	Uganda	0.2000N	30.0080E	1372	From 1991-07-01
Kilenge	KCM	New Britain,Papua New Guinea	5.4833S	148.3830E	15	From 1975-03-01 to 1980-09-05
Kilima Mbogo	KMBO	Kenya	1.1268S	37.2523E	1940	
Kilkis	KIL1	Greece	40.9979N	22.8818E	180	From 2008-09-30

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Killari	KLRI	Andhra Pradesh,India	18.0693N	76.5977E	614	From 2009-09-10
Killbear Provincial Park	KLBO	Ontario,Canada	45.3566N	80.2132W	177	From 2009-05-19
Killdeer Plains Wildlife Area	KDOH	Ohio	40.7197N	83.3697W	276	From 2019-08-08 to 2500-12-31
Killik River	E21K	Alaska,U.S.A.	68.4414N	153.9721W	653	From 2017-08-17
Killisnoo	S32K	Alaska,U.S.A.	57.4688N	134.5763W	26	From 2016-09-09
Kilmashogue	DKM	Ireland	53.2553N	6.2644W	280	From 1976-11-01 to 2002-01-06
Kiloki Boma	PR61	Tanzania	2.9586S	35.2478E	1549	From 2013-01-20 to 2014-12-07
Kilpisjarvi	KIF	Finland	69.0044N	20.8018E	0	
Kilyos	KLYT	Turkey	41.2530N	29.0420E	30	From 2002-01-01
Kim	S26A	Colorado,U.S.A.	37.6216N	103.4711W	1394	From 2008-12-06 to 2010-11-07
Kimball Elementary School	KIMB	Washington,U.S.A.	47.5752N	122.3016W	100	
Kimball Pass	KMP	Alaska,U.S.A.	61.5143N	145.0300W	1103	From 1977-08-04
Kimbe	BULU	New Britain,Papua New Guinea	5.5345S	150.3159E	25	From 2013-02-24
Kimbe	KMB	New Britain,Papua New Guinea	5.4833S	150.1000E	23	From 1969-11-22 to 1999-08-25
Kimbe	KMBE	New Britain,Papua New Guinea	5.5590S	150.1530E	10	
Kimberley	KIM	Orange Free State,South Africa	28.7517S	24.7800E	1321	
Kinaliada	KNAL	Turkey	40.9035N	29.0458E	8	From 2012-05-18
Kincaid Ranch	HKRM	California,U.S.A.	36.9017N	121.4260W	66	From 1975-07-03
Kincaid Ranch, Fort Stockton	428A	Texas,U.S.A.	30.7263N	102.6847W	982	From 2008-03-10 to 2010-02-13
Kincumber High School	AUKHS	New South Wales,Australia	33.4600S	151.3800E	27	From 2013-05-22
Kindia	KING	Guinea	9.9638N	12.8685W	410	From 1991-07-01
King	U56A	North Carolina,U.S.A.	36.3472N	80.3829W	363	From 2013-04-24
King Abdullah Univ. of Science and Technology	KAUST	Saudi Arabia	22.3250N	39.1150E	15	
King County	TKCO	Washington,U.S.A.	47.5369N	122.3004W	0	
King Edward Point	KEP	South Georgia Islands	54.2800S	36.4800W		From 1972-03-01 to 1999-08-25
King George, VA	R59A	Virginia,U.S.A.	38.2000N	77.1164W	35	From 2013-04-18
Kingman	KG-AS	Arizona,U.S.A.	35.6417N	113.9078W	1067	
Kingman	KG-AZ	Arizona,U.S.A.	35.6417N	113.9078W	1067	From 1963-04-19 to 1963-07-11
Kingman	KG-	Arizona,U.S.A.	35.6417N	113.9078W	1067	From 1963-04-19 to 1963-07-11
King Ranch	KRC	California,U.S.A.	35.3267N	119.7450W	680	
King Salmon	Q16K	Alaska,U.S.A.	58.6774N	156.6556W	22	From 2016-06-09
Kingsbay	KBS	Svalbard,Norway	78.9256N	11.9417E	74	From 1994-11-05
Kingsbury	G63A	Maine,U.S.A.	45.1147N	69.6186W	363	From 2013-09-22
Kingscourt	DMU	Ireland	53.8989N	6.9106W	280	From 1976-11-01
Kingscourt	DMUB	Ireland	53.9000N	6.9086W	280	From 1994-04-11
Kings Mountain	KMOR	Oregon,U.S.A.	45.6355N	123.4900W	975	From 1982-09-01
Kings Mountain, Blacksburg	KMSC	South Carolina,U.S.A.	35.1420N	81.3333W	240	From 2008-10-13
Kings Tableland	KTLM	New South Wales,Australia	33.8621S	150.4042E	720	
Kingston	KGNO	Ontario,Canada	44.2272N	76.4934W	89	
Kingston	KIN	Jamaica	17.9737N	76.7851W	32	From 1937-01-01 to 1978-12-09
Kingsville	KVTX	Texas,U.S.A.	27.5459N	97.8929W	14	
Kingsville	L50A	Ontario,Canada	42.0430N	82.8095W	187	From 2012-12-09
Kinkasan	KSN	Miyagi,Japan	38.2717N	141.5883E		
Kinmen	KNM	Taiwan region	24.4167N	118.4333E	13	
Kinomoto	KMT	Wakayama,Japan	34.2623N	135.1250E	20	From 1965-06-02 to 1965-11-30
Kinomoto	KNJ	Wakayama,Japan	34.2623N	135.1250E	20	From 1965-06-02 to 1965-11-30
Kiomboi	KIOM	Tanzania,United Republic of Tanzania	3.5833S	34.4722E	1487	
Kipapa	KIP	Hawaii,U.S.A.	21.4233N	158.0140W	73	
Kipawa	MLQ1	Quebec,Canada	46.8036N	78.9873W	299	
Kipawa,Quebec	KIPQ	Quebec,Canada	46.7919N	79.0567W	274	From 2017-06-04
Kipengere	KIPE	Tanzania	9.2936S	34.4364E	2224	From 2013-08-08 to 2015-11-04
Kipouria, Kephalonia	KEF3	Greece	38.2031N	20.3482E	115	From 2014-01-28
Kipourio	KPRO	Greece	39.9549N	21.3632E	837	From 2011-03-30
Kipp Ranch, Antelope Well	320A	New Mexico,U.S.A.	31.3369N	108.5284W	1414	From 2008-02-16 to 2010-01-19
Kipuka Nene	KNH	Hawaii,U.S.A.	19.3350N	155.2900W	924	From 1967-09-21
Kiractepe	KRCT	Turkey	41.0814N	32.8792E	1449	From 1993-07-01 to 1994-06-30
KIREHR	MCUR	Turkey	39.1616N	34.5283E	1195	From 2017-03-13
Kiratli	RFT8	Turkey	39.1620N	26.8647E	56	From 2017-06-19
Kirbyville	440A	Texas,U.S.A.	30.7456N	93.9587W	59	From 2010-05-22 to 2011-12-07
Kirchzarten	KIZ	Baden-Wurttemberg,Germany	47.9551N	7.9172E	446	From 1987-01-01
Kirikhan	KRH	Turkey	36.4922N	36.3466E	220	From 1979-12-01 to 1999-08-25
KIRIKKALE	DELI	Turkey	39.9979N	33.9204E	1169	From 2013-01-15
Kiri Road	TKEZ	North Island,New Zealand	39.3877S	174.0077E	330	From 1993-12-14 to 1996-04-01
Kirishev	KIRR	Kamchatskaya Oblast',Russia	55.9530N	160.3420E	1475	From 2006-08-01
Kirishima Volcano	KV01	Kagoshima,Japan	31.9447N	130.8478E	1215	
Kiritimati	XMAS	Kiribati	2.0448N	157.4453W	1	
Kırka- Seyitgazi ESKISEHIR	AUKIR	Turkey	39.2772N	30.5308E	1088	From 2010-06-20
Kirkby Lonsdale	LKL	England,United Kingdom	54.2185N	2.5345W	396	From 1989-01-01 to 1992-10-14
Kirkenes	KRK	Norway	69.7242N	30.0625E	25	
Kirkland Lake	KLC	Ontario,Canada	48.1447N	80.0292W	310	
Kirkland Lake	KILO	Ontario,Canada	48.4970N	79.7233W	322	
Kirkland Lake	KLO	Ontario,Canada	48.2060N	79.9950W	350	
Kırklareli	KIRK	Turkey	41.7817N	27.0972E	258	From 2013-02-09
Kirklareli, Merkez-Armagan	ARMN	Turkey	41.8639N	27.4289E	406	From 2014-11-28
Kirklareli, Vize-Akpinar	VIZE	Turkey	41.5785N	27.8400E	345	From 2014-11-28
Kirk Michael	IOMK	Isle of Man	54.2605N	4.5662W	188	From 2012-02-09
Kirksville	O39A	Missouri,U.S.A.	40.2544N	92.5438W	282	From 2010-12-08 to 2012-09-27
Kirkuk	IKRK	Iraq	35.4000N	44.3400E	331	From 2009-01-01
Kirkwood Meadows Resort, Kirkwood	R05C	California,U.S.A.	38.7028N	120.0755W	2366	From 2005-08-05 to 2007-10-05
Kirov	KIRV	Kirovskaya Oblast',Russia	58.5850N	49.4158E	0	
Kirovokan	KIRO	Armenia	40.7867N	44.4917E	1400	
Kirovskiy	KROS	Amurskaya Oblast',Russia	54.4330N	126.9710E	455	
Kirsehir/Akpinar	AKPI	Turkey	39.5039N	33.9967E	1066	From 2016-12-12
Kirsehir-Merkez	KIRS	Turkey	39.1329N	33.9168E	981	From 2013-03-02
Kiruna	KIR	Sweden	67.8400N	20.4167E	390	
Kirwee	CTND	South Island	43.4763S	172.2185E	170	
Kiser Lake Ohio	KLSO	Ohio	40.1960N	83.9710W	349	From 2016-03-30
Kiser Lake State Park	KLOH	Ohio	40.1952N	83.9659W	349	From 2019-07-10
Kishima-dake	KISK	Kumamoto,Japan	32.8926N	131.0669E	1105	
Kishinev	KIS	Moldova	46.9980N	28.8180E	185	
Kishinomiya	KISE	Wakayama,Japan	34.2220N	135.3000E	75	
Kishor	GIF6	Israel	32.9430N	35.2610E	200	From 1993-05-01 to 1993-05-31
Kishtwar	KSHWR	Jammu and Kashmir	33.3118N	75.7773E	1780	
Kislovodsk	KIV	Stavropol'skiy Kray,Russia	43.9553N	42.6863E	1054	
Kislovodsk Array Beam Reference Point	KVAR	Stavropol'skiy Kray,Russia	43.9557N	42.6952E	1196	
Kislovodsk Array Site 0	KIV0	Stavropol'skiy Kray,Russia	43.9557N	42.6952E	1196	
Kislovodsk Array Site 1	KIV1	Stavropol'skiy Kray,Russia	43.9570N	42.6946E	1196	
Kislovodsk Array Site 2	KIV2	Stavropol'skiy Kray,Russia	43.9554N	42.6970E	1196	
Kislovodsk Array Site 3	KIV3	Stavropol'skiy Kray,Russia	43.9547N	42.6939E	1196	
Kissamos	KIS1	Crete,Greece	35.4940N	23.6590E	15	From 2011-10-01
Kista	IKIS	Iceland	64.6741N	17.5617W	1567	From 2016-06-05
Kitab	KTAB	Uzbekistan	39.1335N	66.8846E	630	
Kitadaitoujima	JKDJ	Ryukyu Islands,Japan	25.9496N	131.2969E	41	From 2013-07-01
Kitadake	KITD	Kagoshima,Japan	31.5992N	130.6461E	450	
Kita-Gairin	NRMH	Iburi,Japan	42.5479N	140.8392E	484	
Kitakami	KGJ	Iwate,Japan	39.3883N	141.5650E	376	
Kitakata	JKIT	Miyazaki,Japan	32.6245N	131.4535E	180	From 1997-03-01
Kitarini PS	LN16	Tanzania	2.6207S	36.4648E	1717	From 2013-01-20 to 2014-12-04
Kitausu	KITH	Iburi,Japan	42.5239N	140.8104E	120	
Kite	155A	Georgia,U.S.A.	32.6219N	82.4665W	93	From 2012-03-21
Kithairon	VILLA	Greece	38.1842N	23.2470E	1384	
Kithairon Oros	MKIT	Greece	38.1842N	23.2599E	1406	
Kithira	KYTH	Greece	36.2652N	23.0468E	465	
Kitimat	KITB	British Columbia,Canada	54.0779N	128.6369W	12	From 2014-03-20
Kitsap County Moderate Risk Waste Facility	KIMR	Washington,U.S.A.	47.5031N	122.7672W	100	
Kitsap County North Road Shed	KINR	Washington,U.S.A.	47.7517N	122.6431W	100	
Kitsap County Wastewater Treatment Plant	KITP	Washington,U.S.A.	47.6750N	122.6297W	100	
Kitshanga	KTSH	Democratic Republic of the Congo	1.2384S	29.0499E	1717	From 2014-09-11
Kitumbeine SS	PR11	Tanzania	2.8231S	36.2991E	1265	From 2013-01-21 to 2014-12-02
Kitwe	KTWE	Zambia	12.8140S	28.2090E	1227	
Kiwalik Mountain	G17K	Alaska,U.S.A.	65.5011N	160.6514W	338	From 2017-07-13
Kiwira	MZUN	Tanzania	9.1502S	33.5213E	1399	From 2013-08-14 to 2015-11-04
Kiyosumi	KYS	Chiba,Japan	35.1977N	140.1480E	180	From 1966-04-01
Kiyosumi	KIY	Chiba,Japan	35.1500N	140.1830E	290	
Kiyzas, Kuzbass, Russia	KIYZ	Kemerovskaya Oblast',Russia	53.5582N	87.7592E	242	From 2014-12-26
Kizel	KIZR	Permskiy Kray,Russia	59.0497N	57.6555E	296	From 1999-01-01 to 2003-10-22
Kizilcal	KIZT	Turkey	38.8800N	31.8800E	1202	
Kizimen	KZV	Kamchatskaya Oblast',Russia	55.1130N	160.2940E	1509	From 2009-11-10
Kizyl-Arvat	KAT	Turkmenistan	39.0280N	56.2700E	200	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Klagenfurt	KFA	Austria	46.6483N	14.3278E	450	
Klamath Falls	KFO	Oregon,U.S.A.	42.2667N	121.7450W	1439	From 1962-01-01
Klamath Falls	KFAL	Oregon,U.S.A.	42.2577N	121.7851W	1326	
Klamath Falls	L04A	Oregon,U.S.A.	42.1750N	121.8910W	1336	From 2006-05-24 to 2007-10-26
Klamath Falls	L04D	Oregon,U.S.A.	42.2180N	122.3046W	1437	From 2010-07-30
Klaushaff	KLAUS	Luxembourg	49.7050N	5.9823E	323	From 2009-12-01
Klaveano Farm, Fernwood	D11A	Idaho,U.S.A.	47.0477N	116.3353W	849	From 2006-11-11 to 2008-06-07
Klefe (Ho)	KLEF	Ghana	6.6142N	0.4407E	313	
Klein Altendorf	BA10	Nordrhein-Westfalen,Germany	50.6131N	6.9945E	186	From 2006-10-01
Kleinbodungen	KBDG	Thuringen,Germany	51.3334N	10.8669E	425	From 2008-06-18 to 2012-02-17
Kleinriedenthal	A006A	Austria	48.7404N	16.0203E	230	From 2015-03-25
Klekovaca	A050A	Bosnia and Herzegovina	44.4818N	16.5313E	934	
Klenia	S014	Greece	37.7830N	22.8680E	519	
Klepka	KLEP	Magadanskaya Oblast',Russia	59.7511N	151.4910E	78	From 2009-12-28 to 2010-03-02
Klet	A078A	Czech Republic	48.8640N	14.2845E	1060	From 2015-10-20
Klimatia, N007	N007M	Greece	39.7080N	20.6675E	543	
Klimovskoe	KLMR	Arkhangel'skaya Oblast',Russia	60.8539N	39.5186E	157	From 2003-11-25
Klindworth Farms, Hogeland	A19A	Montana,U.S.A.	48.9286N	108.7429W	971	From 2008-08-27 to 2010-07-20
Klinje	KLINJ	Bosnia and Herzegovina	43.1694N	18.5853E	1076	From 2016-04-14
Klokotos Trikala	THL	Thessaly,Greece	39.5647N	22.0145E	107	From 2006-09-22
Klondike Camp	J29N	Yukon,Canada	64.4525N	138.2164W	982	From 2017-09-21
Klondike Camp	J29M	Yukon,Canada	64.4530N	138.2158W	982	From 2015-10-21 to 2017-09-21
Kloof	KLOF	South Africa	26.3498S	27.6100E	1631	From 2006-08-16
Klostergut Bonnrode	BONN	Thuringen	51.3068N	11.0024E	358	From 2016-06-01
Kloster Mnchenlohra	MUEN	Thuringen	51.4220N	10.6677E	286	From 2019-04-25
Kloster Scheyern	A364A	Germany	48.5019N	11.4534E	525	From 2015-12-01
Kloten, Waffenplatz, ZH	SKLW	Switzerland	47.4630N	8.5674E	428	From 2015-05-15
Kluane	KEY	Yukon Territory,Canada	61.0500N	138.5020W	785	From 1979-03-09 to 1981-07-25
Kluang	KGM	Peninsular Malaysia,Malaysia	2.0157N	103.3190E	103	
Klutina	KLU	Alaska,U.S.A.	61.4924N	145.9227W	1047	From 2008-09-13
Klyuchi	KLY	Kamchatskaya Oblast',Russia	56.3130N	160.6520E	100	
Knez@19ji Dol	KNDS	Slovenia	45.5279N	14.3806E	1024	From 2004-01-01
KNGHS	KNGHS	Saudi Arabia	18.2930N	43.4962E	1848	
Knifeblade Ridge	C21K	Alaska,U.S.A.	69.1565N	154.7833W	409	From 2017-08-17
Knife Ck. Glacier	KCG	Alaska,U.S.A.	58.3076N	155.1114W	762	
Knight Island	KNIM	Alaska,U.S.A.	60.3487N	147.7360W	434	
Knik Glacier	KNK	Alaska,U.S.A.	61.4131N	148.4585W	598	From 2010-06-13
Knox Farm, Ray	B25A	North Dakota,U.S.A.	48.2716N	103.1613W	705	From 2009-07-28 to 2011-07-24
Knox Ranch	KNO	California,U.S.A.	35.4833N	118.5280W	1090	From 1952-07-01 to 1952-11-10
Knoxville	HPKT	Tennessee,U.S.A.	35.9260N	83.8790W	305	From 1980-03-25 to 1991-04-01
Kobayashi Ranch	KBY	California,U.S.A.	33.0402N	115.7010W	-51	From 1975-02-01 to 1976-05-31
Kobdi	AY1S	Sakha,Russia	64.2000N	145.5100E	800	From 1971-06-08 to 1971-12-31
Kobe	KOB	Hyogo,Japan	34.6883N	135.1800E	58	
Kobe	KBE	Hyogo,Japan	34.7345N	135.1778E	440	
Kobo Des	KOBE	Ethiopia	12.1506N	39.6298E	1508	
Kobo Hara	QATE	Ethiopia	9.3753N	41.4691E	2148	
Kobuan	KOA	Bougainville,Papua New Guinea	6.2241S	155.6190E	65	From 1969-12-07 to 1972-11-30
Kobugahara	KBH	Tochigi,Japan	36.6550N	139.5286E	700	
Kocaeli-Kandira	KAND	Turkey	41.0943N	30.1922E	75	From 2010-11-25
Kocaeli-K¶rfez-Semsettin	SEMS	Turkey	40.8710N	29.7391E	350	From 2017-03-15
Kochi	KOC	Kochi,Japan	33.5533N	133.5370E	-1	
Kochiharuno	JKHR	Kochi,Japan	33.5100N	133.4988E	26	From 2012-11-01
Kodaikanal	KOD	Tamil Nadu,India	10.2333N	77.4667E	2345	From 1910-01-01
Kodera	KDT	Japan	34.9183N	134.7127E	200	From 1970-10-01 to 1972-06-01
Kodiak	KD3	Alaska,U.S.A.	57.7483N	152.5150W		From 1964-05-14 to 1964-08-17
Kodiak	KD2	Alaska,U.S.A.	57.7583N	152.4930W		From 1964-04-10 to 1964-05-03
Kodiak	KD1	Alaska,U.S.A.	57.7467N	152.4920W		From 1964-04-21 to 1964-05-10
Kodiak Island	KDAK	Alaska,U.S.A.	57.7828N	152.5835W	152	From 1997-06-09
Kodiak Island	KDC	Alaska,U.S.A.	57.7478N	152.4920W	13	From 1964-04-02 to 2004-04-03
Kodinsk	KDN	Krasnoyarskiy Kray,Russia	58.5910N	99.1920E	296	From 2007-09-28
Koelnbreinsperre	KBA	Austria	47.0784N	13.3447E	1721	From 1981-11-01
Koeppel	KOE	Rheinland-Pfalz,Germany	50.4253N	7.7317E	540	
Koester Ranch, Padroni	N26A	Colorado,U.S.A.	40.8289N	103.2221W	1284	From 2008-12-08 to 2010-10-11
Koforidua	KOGH	Ghana	6.0842N	0.2431W	483	From 1987-01-01
Kofu	KFU	Yamanashi,Japan	35.7426N	138.5683E	590	
Kofu	KOF	Yamanashi,Japan	35.6650N	138.5567E	274	
Kog	KOGS	Slovenia	46.4481N	16.2503E	240	From 2004-03-01
Kogok River	KGR	Alaska,U.S.A.	63.1692N	162.0667W	320	
Kohala	KOH	Hawaii,U.S.A.	20.1282N	155.7800W	1166	
Kohestak	KHSK	Iran	26.7568N	57.0528E	40	From 2010-04-30
KOHEUNG	KOHB	Republic of Korea	34.6184N	127.2758E	68	From 2009-09-24
Koh Gabri	KHGB	Iran	30.3755N	56.4768E	2057	From 2010-05-05
Kohima	KHM	Nagaland,India	25.6631N	94.0761E	1630	From 1979-01-01
KOHIMA	KOHI	Nagaland,India	25.7203N	94.1081E	1353	From 2011-05-01
Kohlern	KOSI	Italy	46.4630N	11.3778E	1604	From 2006-12-13
Kohler Place, Littleton	P24A	Colorado,U.S.A.	39.5144N	104.9082W	1861	From 2008-06-10 to 2010-05-05
Kohls Ranch	KH-	Arizona,U.S.A.	34.4833N	111.0342W	2286	From 1964-04-02 to 1964-06-18
Kohls Ranch	KH-AZ	Arizona,U.S.A.	34.4833N	111.0342W	2286	From 1964-04-02 to 1964-06-18
Kohzaman	HKZM	Iran	35.3775N	48.9045E	2334	From 2011-04-01
Koide	K12	Iwate,Japan	39.4575N	141.4989E	534	
Koidern River	KRY	Yukon Territory,Canada	61.9700N	140.4080W	686	
Koike	KOID	Kagoshima,Japan	31.5872N	130.6128E	40	
Kokkinochori, Kavala	KOKK	Greece	40.8178N	23.9992E	260	From 2015-12-07
Kokohu	KNZ	North Island,New Zealand	39.0217S	177.6737E	32	From 1998-10-19
Kokoji	K04	Iwate,Japan	39.3611N	141.5192E	477	
Kokolik River	B18K	Alaska,U.S.A.	69.3641N	161.8016W	222	From 2017-09-29
Kokpek	KPKS	Kazakhstan	43.4660N	78.6840E	1137	From 2004-06-09
Kokstad	KSD	Cape Province,South Africa	30.5410S	29.4167E	1350	From 1993-03-01
Kokstad	KSTD	Natal	30.6173S	29.3086E	1514	From 2016-05-13
Koktuh Hills	O18K	Alaska	59.8542N	155.2080W	544	From 2015-06-14
Kokwok River Bristol Bay	O16K	Alaska,U.S.A.	59.5938N	158.0932W	198	From 2016-05-27
Kolacno	KOLL	Slovakia	48.5787N	18.4024E	290	From 2002-12-01
Kolahrood	IKLH	Iran	33.3190N	51.5787E	2280	From 2000-09-01
Kolaka, Sulawesi	KKSI	Sulawesi,Indonesia	4.1718S	121.6513E	89	From 2008-12-01
Kolanjah	KLNJ	Iran	31.0084N	51.5921E	2950	From 2011-04-01
Kolari	KLF	Finland	67.2347N	23.9640E	208	From 2014-11-11
Kolasin	KOME	Montenegro	42.8505N	19.5152E	1030	From 2011-07-26
Kolay	KOL	Turkey	41.4243N	35.7961E	145	From 1976-09-01
Koldanda	KOLN	Nepal	27.7700N	83.6000E	1830	From 1994-04-01
Kolesd	PKB4	Hungary	46.4963N	18.6038E	22	From 2016-03-01
KOLHAPUR, MAHARASTRA	KOLH	Maharashtra,India	16.8338N	74.2813E	563	From 2002-07-02
Koliganek Bristol Bay	O17K	Alaska,U.S.A.	59.7733N	157.0946W	156	From 2016-05-29
Kolk¶y-BOLU	RUZG	Turkey	40.7242N	31.7936E	1567	From 2019-12-19
Koln Dom Grabung	BA19	Nordrhein-Westfalen,Germany	50.9412N	6.9577E	48	From 2006-10-01
Kln Uni	BA26	Nordrhein-Westfalen,Germany	50.9261N	6.9329E	47	From 2013-05-11
Koln University	BA07	Nordrhein-Westfalen,Germany	50.9259N	6.9243E	50	From 2006-10-01 to 2012-08-01
Kolonicke sedlo	KOLS	Slovakia	48.9333N	22.2731E	460	From 2004-09-01
Komaba	KOM	Saitama,Japan	35.6500N	139.7630E	38	
Komagane	KGN	Yamanashi,Japan	35.7518N	137.9719E	629	
Komaggas	KOMG	Cape Province,South Africa	29.7970S	17.4837E	299	
Komakuk Beach	KBT	Yukon Territory,Canada	69.5937N	140.1820W	15	From 1981-08-08
Komarou	KOMA	Tajikistan	39.1000N	70.4000E		
Komasi	IKOM	Iran	34.1745N	47.5102E	1502	From 2004-01-01
Komatsu	KMJD	Ishikawa,Japan	36.3645N	136.5057E	70	
Komatsu	KMD	Ishikawa,Japan	36.3135N	136.4916E	70	
Komgaron	KMGR	Severo-Osetinskaya,Russia	43.0572N	44.8659E	740	From 2010-08-07
Komotini	KMT1	Greece	41.1159N	25.4067E	52	From 2011-12-15
Kompina	KMC	Cameroon	4.3861N	9.5781E	85	From 1984-12-14
Komsomolabad	KOMS	Tajikistan	38.9000N	69.9500E		
Komsomolskaya	KMSR	Severo-Osetinskaya,Russia	43.3708N	44.2924E	348	From 2005-08-11
KOMT	KOMTI	Israel	31.1220N	35.2690E	200	From 1986-09-01 to 1988-02-29
Konakl - Erzurum - Turkiye	EKONA	Turkey	39.7792N	41.2279E	3091	From 2017-07-26
Konawaena	KNW	Hawaii,U.S.A.	19.5133N	155.9180W	495	From 1922-01-01 to 1960-12-31
Kondoa	KOND	Tanzania,United Republic of Tanzania	4.9088S	35.7908E	1357	
Konedobu	KDB	Papua New Guinea	9.4717S	147.1600E	40	From 1968-01-01
Kongan	KGNI	Nagaland,India	26.7558N	94.8383E	500	
Kongsberg	KON	Norway	59.6491N	9.5982E	216	
Kongsberg	KONO	Norway	59.6491N	9.5982E	216	From 1991-06-28
Konidatara, Kephalonia	KONA	Greece	38.4249N	20.5710E	248	From 2014-02-05

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Konigsberg	KNG	Kaliningradskaya Oblast',Russia	54.8333N	20.5000E	33	
Konitsa	KNS	Greece	40.0596N	20.7592E	1090	From 2008-02-28
Konitsa	KNS1	Greece	40.0480N	20.7524E	618	From 2010-10-01
Konnersreuth	MKON	Bayern	50.0186N	12.2338E	614	From 2009-02-04
Konogogo	EKN	New Ireland,Papua New Guinea	3.4888S	152.1850E	270	
Konpirayama	KONH	Iburi,Japan	42.5541N	140.8168E	230	
Konstanz	KONZ	Baden-Wurttemberg	47.6652N	9.1659E	398	From 2016-10-01
Konsvik	KONS	Norway	66.4992N	13.1193E	36	From 2005-07-01
Konsvik	STOK1	Norway	66.5000N	13.1200E	36	From 2005-07-01
Kontariotissa N024	N024M	Greece	40.2315N	22.4631E	136	
Kontariotissa N025	N025M	Greece	40.0026N	22.4477E	0	
Kontariotissa N026	N026M	Greece	39.7281N	22.6698E	1065	
Konya, Altintekin	ALIN	Turkey	38.2985N	32.8785E	1073	From 2014-12-01
Konya-Celtik	CTIK	Turkey	39.0298N	31.6390E	935	From 2018-05-24
Konya-Cihanbeyli	CBEY	Turkey	38.6899N	32.7823E	1037	From 2017-12-20
KONYA_Doganhisar	DOGA	Turkey	38.1058N	31.6682E	1452	From 2011-10-04
Konya-Eregli	KERG	Turkey	37.4146N	34.1250E	1365	From 2010-11-10
Konya-Kulu	KKUL	Turkey	39.1713N	32.9173E	1178	From 2010-11-11
Konya-Meram	KMER	Turkey	37.7685N	32.3680E	1231	From 2010-11-11
Konya, Seydisehir-Tarasci	SEDI	Turkey	37.4511N	31.7549E	1255	From 2014-12-01
Konya--Tatoy	KONT	Turkey	37.9453N	32.3605E	550	
Konyrlen	KNOS	Kazakhstan	44.3590N	79.1790E	1630	
Koohdasht(Tabas)	TKDS	Iran	33.6134N	57.1221E	1222	From 2011-08-01
Kookooligit Mountain	KKLA	Alaska,U.S.A.	63.5888N	170.3755W	655	From 1980-07-01
Koorda	KOO6	Western Australia	30.8264S	117.4818E	340	
Kooshah	IKOO	Iran	32.4241N	59.0044E	2245	From 2005-12-01
Kootwijk	NE32	Netherlands	52.1790N	5.8120E	40	
Kopaniny	KOCW	Czech Republic	50.2652N	12.2336E	575	From 1994-01-01
Kop Dagi	KOPT	Turkey	40.0179N	40.4972E	2489	From 2006-09-18
Kophill	SKP1	England,United Kingdom	51.7218N	0.8096W	212	From 1993-01-01
Koprukoy-ERZURUM	KOPR	Turkey	39.9916N	41.8534E	1675	From 2012-11-28
Kopyto	KPT	Kamchatskaya Oblast',Russia	55.9661N	160.2219E	1004	
Kora	KORR	Severo-Osetinskaya,Russia	43.0861N	44.0677E	621	From 2005-11-03
Korca	KBN	Albania	40.6236N	20.7874E	870	
Korea Array	KSRS	Republic of Korea	37.4540N	127.9230E		
Korhogo	LKO	Ivory Coast	9.5444N	5.5889W	435	From 1989-06-01
Korinthos	KOR2	Greece	37.9401N	22.9494E	31	From 2012-09-01
Korintji-Dempo	KKD	Sumatera,Indonesia	3.7000S	102.9330E		
Korkueli	KORT	Turkey	37.0007N	30.3503E	1304	From 2008-03-06
Korkuteli	KORK	Turkey,Turkey	37.0007N	30.3503E	1304	
Koro	KRO	Fiji	17.3141S	179.3920E	522	From 1981-11-01
Korolevo	KORU	Carpathian Mountains	48.1573N	23.1339E	150	From 1998-07-15
Koror	KOR	Caroline Islands,Palau	7.3350N	134.4850E	30	From 1950-01-01 to 1958-12-31
Korovin Flat Point	KOFP	North America,U.S.A.	52.2751N	174.0972W	662	
Korovin Northeast	KONE	Alaska,U.S.A.	52.3936N	174.1193W	253	
Korovin Northwest	KONW	Alaska,U.S.A.	52.3980N	174.2080W	334	
Korovin Southeast	KOSE	Alaska,U.S.A.	52.3450N	174.0500W	625	
Korovin Volcano	KOKV	Alaska,U.S.A.	52.3610N	174.1640W	776	
Korovin West	KOWE	Alaska,U.S.A.	52.3657N	174.2507W	527	
Kortright Cn Earth Rangers Ctr, Woodbridge	I53A	Ontario,Canada	43.8238N	79.5912W	195	From 2012-11-28
Koryaka	KOK	Kamchatskaya Oblast',Russia	53.2919N	158.6361E	1050	
Koryakskii	KRER	Kamchatskaya Oblast',Russia	53.3040N	158.7490E	1847	From 2009-01-15
Kosan Boka	KIC	Ivory Coast	6.3606N	4.7411W	176	From 1967-06-01
Kosel	KOSL	FYR Macedonia	41.1510N	20.8871E	1195	From 2017-07-03
Koshkarbay	KOSH	Kazakhstan	53.0300N	69.0600E	330	From 1972-12-01 to 1975-04-01
Kos Island	KOSK	Crete,Greece	36.7516N	26.9785E	7	From 2012-05-10
Kos Island	KOS1	Greece	36.8924N	27.2901E	30	From 2001-01-25
Kosmodemyansk	KOS	Sakhalinskaya Oblast',Russia	44.1000N	145.8830E		
Kosmos	KOSW	Washington,U.S.A.	46.4613N	122.1910W	828	
Kosov	KSV	Carpathian Mountains	48.3150N	25.0667E	450	
Kosovska,, Mitrovica	KMIS	Serbia	42.9179N	20.8377E	0	From 2008-01-01
Kostenkovo, Kuzbass, Russia	KOST	Kemerovskaya Oblast'	53.6512N	86.8218E	322	From 2015-09-26
Koster	KSR	Transvaal,South Africa	25.8517S	26.8972E	1623	
Kostomuksha	KOST6	Karelia	64.5920N	30.4165E	230	
Kostyukhnivka	RNPP1	Ukraine	51.3498N	25.7657E	168	
Kostyukhnivka	RNPP2	Ukraine	51.3266N	25.8896E	293	
Kota Agung	KASI	Sumatera,Indonesia	5.5236S	104.4967E	0	From 2007-12-01
Kotabaru	KBKI	Borneo,Indonesia	3.2995S	116.1670E	0	From 2007-12-01
Kotabumi	KLI	Sumatera,Indonesia	4.8630S	104.8567E	32	
Kotacane, Aceh	KCSI	Sumatera,Indonesia	3.5220N	97.7715E	204	From 2008-12-01
Kota Kinabalu	KKM	Sabah,Malaysia	6.0443N	116.2147E	830	
Kotaneelee Airstrip	KOTAN	Yukon Territory,Canada	60.1301N	124.0527W	386	From 2016-06-21
Kota Tinggi	MYKOM	Peninsular Malaysia,Malaysia	1.7900N	103.8500E	0	From 2006-03-24
Kothagudem	KGD	Andhra Pradesh,India	17.5767N	80.6571E	0	
Kothi	KOTI	Himachal Pradesh,India	32.3077N	77.2000E	2527	From 1985-08-01
Kotino, Kuzbass, Russia	KOTO	Kemerovskaya Oblast'	54.1871N	86.9230E	275	From 2016-02-25
Kotkhai	KKHI	Himachal Pradesh,India	31.1015N	77.5814E	2240	From 2007-05-01
Kotohata	K07	Iwate,Japan	39.4164N	141.6564E	554	
Kotokel	KELR	Buryatiya,Russia	52.7600N	108.0800E	460	From 2005-11-03
Kottamia	KOT	Egypt	29.9276N	31.8292E	507	
Kotyrbulak	KOTS	Kazakhstan	43.2340N	77.1120E	1630	From 1996-09-01
Kotzebue	KTA	Alaska,U.S.A.	66.8500N	162.6100W	26	From 1976-08-01
Koulo, Foa Island	HAPI	Tonga	19.7771S	174.3403W	9	
Koumac	KOU	New Caledonia	20.5619S	164.2810E	17	
Koumac, New Caledonia	KOUNC	New Caledonia	20.5507S	164.2861E	88	From 2011-03-17
Koumaradei	KOUM	Greece	37.7041N	26.8377E	340	
Kourou	KOG	French Guiana,France	5.2070N	52.7320W	10	
Koussour	KSU	Djibouti	11.5335N	42.4463E	370	From 1975-11-01
Koussour	KSDD	Djibouti	11.5349N	42.4453E	378	
Kouteli, PE01	PE01E	Greece	38.0170N	22.0283E	850	
KOUVOLA	KY03	Finland	60.9443N	26.5446E	70	From 2011-12-19
KOUVOLA	KY10	Finland	60.9363N	26.8874E	75	From 2014-03-26
KOUVOLA	KY11	Finland	61.0890N	27.0027E	90	From 2013-10-10
KOUVOLA	KY01	Finland	60.9085N	26.6920E	60	From 2011-12-19
KOUVOLA	KY12	Finland	60.7608N	26.9685E	30	From 2014-07-03
KOUVOLA	KY13	Finland	60.7676N	26.6860E	50	From 2015-07-09
KOUVOLA	KY02	Finland	60.9630N	26.7874E	75	From 2011-12-19
KOUVOLA	KY04	Finland	60.8483N	26.7393E	65	From 2011-12-19
KOUVOLA	KY05	Finland	60.9256N	26.7102E	67	From 2012-01-19
Kouvola, Finland	KY15	Finland	60.9107N	26.6902E	60	From 2019-06-19
Kouya	JWY	Wakayama,Japan	34.2183N	135.5930E	795	
Kovagotottos	KOVH	Hungary	46.0883N	18.0999E	270	From 2015-03-01
Kovda	KVDA	Murmanskaya Oblast'	66.6919N	32.8715E	10	From 2018-06-08
Kovokta	KVO	Buryatiya,Russia	56.1370N	113.0500E	1280	
Kowa	KOWA	Mali	14.4967N	4.0167W	280	
Kowarra	KOWM	Victoria,Australia	35.7885S	144.5201E	102	
Kowen Forest	KOW	Australian Capital Territory,Australia	35.2883S	149.2980E	792	
Koyama	KOY	Shizuoka,Japan	35.3500N	138.9830E		
Koyna Nagar	KNI	Maharashtra,India	17.3967N	73.7500E	630	From 1963-10-11 to 1999-08-25
Koyuk River	G16K	Alaska,U.S.A.	65.3936N	162.3547W	169	From 2017-07-15
Koyundere	KYND	Turkey	40.5370N	28.7897E	44	From 2006-03-28
Kozaga	JWZ	Wakayama,Japan	33.5305N	135.7148E	230	
Kozakli-Nevsehir	KOZK	Turkey	39.2101N	34.8680E	1134	From 2015-02-11
Kozan	KOZTB	Turkey	37.4360N	35.8180E	150	From 1993-03-01
Kozan	KOZT	Turkey	37.4805N	35.8267E	381	From 2005-08-25
Kozani	KZN	Greece	40.3067N	21.7708E	900	
Kozani	KOZ2	Greece	40.3052N	21.7838E	745	From 2011-04-01
Kozel	A074A	Czech Republic	49.6715N	13.5309E	385	From 2015-10-02
Kozel'skiy	KZL	Kamchatskaya Oblast',Russia	53.2010N	158.8940E	950	
Kozjak Brana	KOZJ	FYR Macedonia	41.8778N	21.1950E	533	From 2004-01-01
Kozu shima	JKO	Bonin Islands,Japan	34.1867N	139.1367E	138	
Kozyr	KOZ*	Kamchatskaya Oblast',Russia	56.0660N	159.8960E		
Kozyr	KOZR	Kamchatskaya Oblast',Russia	56.0660N	159.8960E	450	
Kozyrevsk	KOZ	Kamchatskaya Oblast',Russia	56.0580N	159.8732E	450	
K-Podol'skiy	KMPD	Carpathian Mountains	48.5630N	26.4600E	121	
Krabesse	KRAM	Morocco	31.7030N	9.3400W		
Krabi	KRAB	Thailand	8.2215N	99.1965E	58	
KRABS	KRABS	Saudi Arabia	28.1010N	35.2540E	129	
Krakow	KRA	Poland	50.0561N	19.9397E	223	From 1954-01-01 to 1992-04-30

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Kraliky	KRLC	Czech Republic	50.0753N	16.7817E	754	From 2007-11-01
Kramer	KM-	California,U.S.A.	34.8811N	117.2567W	853	From 1963-04-01 to 1966-03-31
Kramer	KM-CL	California,U.S.A.	34.8811N	117.2567W	853	From 1963-04-01 to 1966-03-31
Kramsach, Tirol	A038A	Austria	47.4642N	11.9188E	578	From 2016-01-20
KRANIDI	KRND	Greece	37.3830N	23.1502E	140	From 2010-06-08
Krashen	COLK	Armenia	40.8800N	43.9650E	1860	
Kraslice	KRCW	Czech Republic	50.3316N	12.5304E	760	From 1994-01-01
KrasnayaPolyana	KPR	Krasnodarskiy Kray,Russia	43.6667N	40.2000E	450	
Krasnaya Polyana	RPOR	Krasnodarskiy Kray,Russia	43.6996N	40.2662E	600	From 2010-03-01
Krasnodar	KGUR	Krasnodarskiy Kray,Russia	45.0216N	39.0297E	66	
Krasnogorka	KRS	Kazakhstan	43.2500N	75.1667E		
Krasnovodsk	KRF	Turkmenistan	40.0130N	53.0030E	10	
Krasnoyarsk	KRAR	Krasnoyarskiy Kray,Russia	56.0120N	92.8729E	123	From 1999-12-24
Krefeld	NE39	Nordrhein-Westfalen,Germany	51.3425N	6.5375E	40	
Kremmling	O22A	Colorado,U.S.A.	40.1618N	106.5470W	2747	From 2008-06-21 to 2010-06-14
Kremsmunster	KMR	Austria	48.0565N	14.1319E	379	From 1958-01-01
Kreppuhraun	IKRE	Iceland	64.7837N	16.3828W	760	From 2006-11-01
Krestena	KRES	Greece	37.5935N	21.6234E	82	
Krestovskiy	KRSR	Kamchatskaya Oblast',Russia	56.2169N	160.5653E	1120	
Kreuzlingen, Kantonsschule TG	SKRK	Switzerland	47.6481N	9.1804E	405	From 2015-04-20
Krib	KRIT	Tunisia	36.3383N	9.0748E	640	
Kribi, CM05	ACM05	Cameroon	2.9420N	9.9140E	36	
Krieza	S030	Greece	38.3950N	24.1450E	197	
Krioneri	S015	Greece	37.9720N	22.6180E	947	
Kristallenia	KRIS	Crete,Greece	35.1780N	25.5030E	850	
Krivoklat	A075A	Czech Republic	50.0377N	13.8737E	285	From 2015-10-06
Krokottuvotn	IKVO	Iceland	65.7140N	16.8810W	572	From 2002-06-23
Krokur	IKRO	Iceland	64.0980N	21.1200W	147	From 1996-10-08
Kromhout	KROM	Cape Province,South Africa	34.1438S	24.6212E	75	
Kronoki	KRN	Kamchatskaya Oblast',Russia	54.5961N	161.1339E	50	
Krupa na Uni	KNYS	Bosnia and Herzegovina	44.8908N	16.3202E	308	From 2016-10-13
Krupnik	KKB	Bulgaria	41.8417N	23.1287E	439	
Krusevo	KRUS	FYR Macedonia	41.3689N	21.2488E	1015	From 2006-09-01
Krutoberegovo	KBG	Kamchatskaya Oblast',Russia	56.2550N	162.7050E	30	
Krutoberegovo 1	KBTR	Kamchatskaya Oblast',Russia	56.2081N	162.8189E	200	
Krutsinger Ranch, Parks	O28A	Nebraska,U.S.A.	40.1262N	101.7735W	1032	From 2009-05-28 to 2011-04-06
Krysuvik	IKRI	Iceland	63.8780N	22.0760W	146	From 1992-12-01
Ksara	KSA	Lebanon	33.8233N	35.8900E	920	
Ksar Es Souk	KES	Morocco	31.9950N	4.4550W	1124	From 1973-02-01 to 1976-10-31
Kshj	KSHJ	Jordan	30.2740N	36.9660E	1005	From 1995-08-01
Ksiaz	KSP	Poland	50.8428N	16.2931E	353	From 1970-01-01
KTRA	KTRA	Israel	30.0260N	35.0540E	100	From 1985-11-01 to 1986-04-30
KU8	KU8	Finland	66.0287N	27.9436E	270	From 2009-09-25
Kuala Lumpur	KLM	Peninsular Malaysia,Malaysia	3.1025N	101.6450E	46	
Kuala Trengganu	KTMY	Peninsular Malaysia,Malaysia	5.3283N	103.1356E	33	
Kuala Trengganu	KTGM	Peninsular Malaysia,Malaysia	5.3280N	103.1340E	56	From 1994-01-01
Kuangyinshan	TWS1	Taiwan region	25.1008N	121.4177E	60	From 1981-01-05
Kuaotunu	KUZ	North Island,New Zealand	36.7452S	175.7209E	76	From 1990-10-11
Kubaka	GOLD	Magadanskaya Oblast',Russia	63.6780N	159.9570E	726	From 2003-01-14
Kubataba	KUBR	Stavropol'skiy Kray,Russia	43.8000N	43.4097E	665	
Kuba-Taba	KBTC	Stavropol'skiy Kray,Russia	43.8166N	43.4084E	687	From 2006-11-10
Kubokawa	JKU	Kochi,Japan	33.3095N	133.0633E	340	
Kubrat	KUBB	Bulgaria	43.8024N	26.4941E	261	From 2012-11-20
Kucevo	KUBS	Serbia	44.4123N	21.6749E	389	From 2010-07-14
Kuching	KSM	Sarawak,Malaysia	1.4733N	110.3083E	66	
Kuchinoerabu	JKC	Ryukyu Islands,Japan	30.4620N	130.1957E	20	
Kuchiyama	KCY	Tokushima,Japan	33.9970N	134.1422E	260	
Kucino	KUC	Moskovskaya Oblast',Russia	55.7500N	37.9667E	155	
Kuckum	BD14	Nordrhein-Westfalen,Germany	51.0813N	6.3925E	74	From 2012-07-22
Kudamatsu	JKD	Yamaguchi,Japan	34.0540N	131.8738E	220	
Kudat	KDM	Sabah,Malaysia	6.9160N	116.8330E	3	
Kuden	KUDEN	Schleswig-Holstein	53.6688N	9.1955E	14	From 2017-07-17
Kuemmerle Ranch, Upton	I24A	Wyoming,U.S.A.	43.8594N	104.6263W	1338	From 2008-10-23 to 2010-08-16
Kufra	LKFR	Libya	24.1613N	23.2122E	413	
Kufra	KFRA	Syria	35.2125N	36.7996E	650	From 1994-12-01
Kugaaruk Camp, Nunavut	KUGN	Nunavut,Canada	68.0898N	90.0616W	165	From 2007-08-18
Kugluktuk,NWT	KUKN	Northwest Territories,Canada	67.8226N	115.0899W	320	From 2010-07-21
Kuito, Bie	KUITO	Angola	12.3708S	16.9104E	1745	From 2018-07-31
Kujiedanarisawa	JKEN	Iwate,Japan	40.2057N	141.7098E	74	From 2012-11-01
Kuka Creek	L14K	Alaska,U.S.A.	61.3416N	162.6829W	41	From 2017-05-27
Kukesi	KKS	Albania	42.0756N	20.4113E	300	
Kukul	KKG	Guatemala	14.9750N	92.0360W	960	From 1979-11-01
Kukurantumi	KUKU	Ghana	6.1924N	0.3687W	240	
Kukurantumi	KUK	Ghana	6.1890N	0.3690W	198	From 1973-03-01
Kula-Manisa	KULA	Turkey	38.5144N	28.6607E	915	From 2007-02-21
Kul'dur	KLR	Yevreyskaya Avtonomnaya Oblast',Russia	49.2300N	131.7500E	298	From 1954-01-01
Kule	KOOLE	Botswana	22.9930S	20.1955E	1313	
Kulei Odisha,India	KULE	Orissa	20.9893N	85.2635E	73	From 2015-07-15
Kulet Umm Tiheiwat	NMAN	Egypt	23.9169N	33.0737E	275	
Kulim	KULM	Peninsular Malaysia,Malaysia	5.2900N	100.6500E	74	From 2003-11-01
Kulin High School, Kulin	AUKUL	West Australia,Australia	32.6700S	118.1500E	312	From 2012-09-20
Kulkuduk	KLKU	Uzbekistan	42.5400N	63.3000E	361	
Kullorsuaq	KULLO	Greenland	74.5805N	57.2201W	44	From 2009-07-17
Kultieth River Mountain	KULT	Alaska,U.S.A.	60.2479N	142.7214W	1006	
Kulu	KULR	Magadanskaya Oblast',Russia	61.8890N	147.4310E	655	From 1980-01-01
Kulu	KULU	Turkey	39.0426N	33.0023E	1121	From 2010-06-29
Kuludalsa	IKUD	Iceland	64.3210N	21.8750W	28	From 1996-06-28
Kulusuk, Greenland	KULG	Greenland	65.5752N	37.1788W	50	From 2004-08-02
Kulyab	KUL	Tajikistan	37.9200N	69.7800E	600	From 1947-01-01 to 1995-01-01
Kumagaya	KMG	Saitama,Japan	36.1466N	139.3833E	31	
Kumamoto	KUM	Kumamoto,Japan	32.8100N	130.7100E	39	
Kumamoto 2	KUMJ	Kumamoto,Japan	32.5350N	130.8280E	170	
Kumano	KMN	Wakayama,Japan	33.9677N	136.0580E	300	
Kumaryk	KUMR	Uzbekistan	41.2384N	69.2610E	413	
Kumba	KBC	Cameroon	4.6531N	9.4131E	375	From 1985-03-17
Kumba, CM13	ACM13	Cameroon	4.5880N	9.4620E	167	
Kumbag-Tekirdag	SBT4	Turkey	40.8281N	27.5354E	-1144	From 2010-12-22
Kume jima	KMJ	Ryukyu Islands,Japan	26.3350N	126.8067E	4	
Kume jima 2	JKE	Ryukyu Islands,Japan	26.3260N	126.7860E	71	
Kumisi	KYM	Georgia,Georgia	41.6300N	44.7300E	420	
Kumisi	KMSG	Georgia,Georgia	41.6211N	44.7754E	420	From 1982-01-01
Kumluca	MARK	Turkey	36.2748N	30.4356E	973	From 2003-12-08
Kumora	KUM*	Buryatiya,Russia	55.8869N	111.2006E	480	
Kumora	KMO	Buryatiya,Russia	55.8869N	111.2006E	480	
Kumukh	KMKR	Dagestan,Russia	42.1311N	47.0989E	1950	
Kuna River	D19K	Alaska,U.S.A.	68.4946N	158.1151W	671	From 2017-08-18
Kundal	KUDL	Haryana,India	28.1442N	76.4892E	0	
Kunene	KNN1	Democratic Republic of the Congo	1.4873S	29.0707E	1896	
Kunene	KNN	Democratic Republic of the Congo	1.4800S	29.0670E	1800	
Kungur	PR3R	Permskiy Kray,Russia	57.4437N	57.0059E	116	From 2003-04-03
Kungurtug, Tuva Republic, Russia	KNGR	Tyva,Russia	50.6043N	97.5171E	1311	From 2011-10-11
Kuni	JGK	Gumma,Japan	36.5620N	138.6397E	645	
Kunigami	JOW	Ryukyu Islands,Japan	26.8322N	128.2745E	220	
Kunimi	JKI	Oita,Japan	33.6323N	131.5690E	120	
Kunming	KUN	Yunnan,China	25.1233N	102.7400E	1945	
Kunming	KMI	Yunnan,China	25.1233N	102.7400E	1940	
Kunneppu	KNP	Abashiri,Japan	43.7599N	143.7124E	190	
Kunszentmiklos	PKS7	Hungary	47.0473N	19.1609E	95	
Kununurra	KNA	Western Australia,Australia	15.7500S	128.7667E	150	From 1965-11-01 to 2008-08-20
Kununurra	KNRA	Western Australia,Australia	15.6769S	128.7627E	101	From 2008-08-21
Kuosheng	NWRT	Taiwan region	25.2028N	121.6601E	9	From 2014-08-07
Kuosheng	TWX	Taiwan region	25.1988N	121.6616E	40	From 1975-01-10
Kupang	KUP	Timor,Indonesia	10.1678S	123.5860E	52	
Kupang	KUPT	Timor,Indonesia	10.1513S	123.6050E		
Kupang	KUG	Timor,Indonesia	10.1513S	123.6050E	52	From 1973-01-01
Kupecik-Ladik(Samsun)	KUPE	Turkey	40.8765N	36.0489E	1050	From 2013-12-06
Kupiano	KPN	Papua New Guinea	10.0746S	148.1810E	20	
Kupiano	KUPN	Papua New Guinea	10.0769S	148.1840E	10	From 1983-12-14
Kupres RS	SRKY	Bosnia and Herzegovina	44.0680N	17.1650E	1130	From 2016-03-08

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Kurahashi	JHM	Hiroshima,Japan	34.1395N	132.5293E	60	
Kuram	KURS	Kazakhstan	43.4880N	78.1700E	840	From 1980-09-01
Kuranda	KDA	Queensland,Australia	16.8250S	145.6300E	365	From 1959-11-01 to 1964-12-31
Kurayoshi	KYTD	Tottori,Japan	35.4392N	133.8339E	100	
Kurayoshi	JKR	Tottori,Japan	35.3783N	133.8198E	174	
Kurchatov	KURK	Kazakhstan	50.7154N	78.6202E	184	From 1995-03-26
Kurchatov Array	KURBB	Kazakhstan	50.6226N	78.5304E	200	From 2006-09-20
Kurchatov Array Site 1	KUR01	Kazakhstan	50.7216N	78.5634E	163	From 2006-09-20
Kurchatov Array Site 10	KUR10	Kazakhstan	50.5236N	78.4977E	203	From 2006-09-20
Kurchatov Array Site 11	KUR11	Kazakhstan	50.6019N	78.6863E	200	From 2006-09-20
Kurchatov Array Site 12	KUR12	Kazakhstan	50.6061N	78.6551E	202	From 2006-09-20
Kurchatov Array Site 13	KUR13	Kazakhstan	50.6102N	78.6242E	224	From 2006-09-20
Kurchatov Array Site 14	KUR14	Kazakhstan	50.6144N	78.5927E	217	From 2006-09-20
Kurchatov Array Site 15	KUR15	Kazakhstan	50.6185N	78.5615E	198	From 2006-09-20
Kurchatov Array Site 16	KUR16	Kazakhstan	50.6269N	78.4993E	193	From 2006-09-20
Kurchatov Array Site 17	KUR17	Kazakhstan	50.6318N	78.4690E	184	From 2006-09-20
Kurchatov Array Site 18	KUR18	Kazakhstan	50.6353N	78.4368E	191	From 2006-09-20
Kurchatov Array Site 19	KUR19	Kazakhstan	50.6394N	78.4057E	180	From 2006-09-20
Kurchatov Array Site 2	KUR02	Kazakhstan	50.7017N	78.5566E	167	From 2006-09-20
Kurchatov Array Site 20	KUR20	Kazakhstan	50.6436N	78.3746E	182	From 2006-09-20
Kurchatov Array Site 21	KUR21	Kazakhstan	50.6222N	78.5311E	240	
Kurchatov Array Site 3	KUR03	Kazakhstan	50.6820N	78.5500E	173	From 2006-09-20
Kurchatov Array Site 4	KUR04	Kazakhstan	50.6622N	78.5434E	176	From 2006-09-20
Kurchatov Array Site 5	KUR05	Kazakhstan	50.6424N	78.5366E	181	From 2006-09-20
Kurchatov Array Site 6	KUR06	Kazakhstan	50.6028N	78.5239E	194	From 2006-09-20
Kurchatov Array Site 7	KUR07	Kazakhstan	50.5831N	78.5172E	200	From 2006-09-20
Kurchatov Array Site 8	KUR08	Kazakhstan	50.5632N	78.5108E	199	From 2006-09-20
Kurchatov Array Site 9	KUR09	Kazakhstan	50.5433N	78.5043E	199	From 2006-09-20
Kurday	KRD	Kazakhstan	43.3833N	75.0500E	900	
Kurdemir	KDMR	Azerbaijan	40.3760N	48.1840E	39	From 2009-10-26
Kurdzhali	KDZ	Bulgaria	41.6302N	25.3396E	335	
Kure	KRE	Hiroshima,Japan	34.2333N	132.5670E		
Kuril'sk	KUR	Sakhalinskaya Oblast',Russia	45.2333N	147.8667E	25	
Kurino-dake	KV04	Miyazaki,Japan	31.9422N	130.8133E	1020	
Kurkur	AKUR	Egypt	23.8940N	32.7760E		
Kurmenty	KRM	Kazakhstan	42.9870N	78.2750E	2151	
Kurna	KURN	Turkey	40.9550N	29.3317E	159	From 2007-01-19
Kuroka	JGF	Gifu,Japan	35.6008N	137.3572E	580	
Kuromamegawa	KMGE	Nagano,Japan	36.4200N	138.5456E	1557	
Kuro-shima	JKRS	Ryukyu Islands,Japan	24.2375N	124.0092E	9	
Kuroyon	KYJ	Toyama,Japan	36.5640N	137.6692E	1390	
Kurravaara	KUA	Sweden	67.9542N	20.3368E	360	
Kurri Kurri	KURI	New South Wales	32.8152S	151.4846E	50	From 2013-11-29
Kurthwood	341A	Louisiana,U.S.A.	31.3334N	93.1681W	93	From 2011-03-08 to 2012-11-15
Kurtkulagi	KRTT	Turkey	36.9220N	35.8810E	100	From 1994-01-01
Kurty	KUU	Kazakhstan	43.8930N	76.3390E	550	
Kurucasile-Bartin	KURC	Turkey	41.8456N	32.7430E	144	From 2011-12-14
Kurukshetra	KKR	Haryana,India	29.9615N	76.8207E	257	From 1974-01-01
Kurvinen	KU1	Finland	65.5646N	29.5583E	240	From 2003-06-26
Kurzu	KRYG	Georgia,Georgia	42.5826N	42.2841E	310	From 1973-01-01
Kusadasi-Aydin	KUSD	Turkey	37.8604N	27.2868E	321	From 2011-04-20
Kushihara	KHJ	Gifu,Japan	35.2576N	137.4088E	343	
Kushima	JJK	Miyazaki,Japan	31.4800N	131.2847E	235	
Kushima--Naru	JNAR	Miyazaki,Japan	31.5265N	131.2717E	80	
Kushiro	KSUJ	Kushiro,Japan	43.1000N	144.7950E	-30	From 1978-01-01
Kushiro	KUS	Kushiro,Japan	42.9750N	144.3917E	33	
Kushiro	KUSJ	Kushiro,Japan	43.1000N	144.7950E	-30	From 1978-01-01
Kushirohamanaka	JKHN	Kushiro,Japan	43.0828N	145.1608E	48	From 2012-11-01
Kusilvak Mountain	K13K	Alaska,U.S.A.	61.9331N	164.6555W	204	From 2017-05-31
Kuskokwak Creek	N14K	Alaska,U.S.A.	59.9237N	161.6852W	21	From 2017-05-19
Kuta	KUTA	Papua New Guinea	5.9200S	144.2233E	2017	
Kutahya	KUTH	Turkey	39.3955N	30.0213E	1300	From 2012-03-02
KUTAHYA	AUKUT	Turkey	39.9555N	30.0213E	1085	From 2010-06-20
Kutahya, Merkez-Andiz	ANDZ	Turkey	39.5094N	29.8990E	1122	From 2014-11-25
Kutsugahara	KUT	Hiroshima,Japan	34.9528N	132.8160E	336	From 1968-05-06 to 1974-12-27
Kuturchin	KTRR	Krasnoyarskiy Kray,Russia	54.9377N	94.2144E	350	From 2004-11-26
Kutztown	KTZ	Pennsylvania,U.S.A.	40.5117N	75.7800W	148	From 1967-10-01
Kuujjuarapik	KJKQ	Quebec,Canada	55.2769N	77.7455W	15	From 2011-08-13
Kuujjuuaa	KUQ	Quebec,Canada	58.1090N	68.4113W	54	From 1990-01-21
Kuzuini	KUZU	Turkey	36.7735N	37.0750E	701	From 2007-12-07
Kuzumaki	JKZ	Iwate,Japan	39.9845N	141.3298E	620	
Kverkfjoll	IKVE	Iceland	64.6780N	16.6775W	1786	From 2014-08-21 to 2015-12-16
Kvetna	KVC	Czech Republic	50.2059N	12.5152E	580	From 2003-05-14
Kvichak River	P17K	Alaska,U.S.A.	59.1953N	156.4394W	91	From 2016-05-31
Kvisker	IKVI	Iceland	63.9822N	16.4329W	41	From 2017-10-24
Kwajalein Atoll	KWAJ	Marshall Islands	8.8019N	167.6130E		
Kwanting	KWNG	Beijing,China	40.2400N	115.6050E	0	From 1955-01-01
Kwethluk River	N15K	Alaska,U.S.A.	60.1686N	160.0921W	449	From 2017-05-20
Kyakhta	KYA	Buryatiya,Russia	50.3667N	106.4500E		
Kyburz Flat	KBF	California,U.S.A.	39.5068N	120.2120W	2079	From 1973-04-01
Kyela	ISOK	Tanzania	9.5090S	33.4944E	1443	From 2013-08-13 to 2015-11-04
Kyela	KYLA	Tanzania,United Republic of Tanzania	9.5987S	33.8673E	516	
Kyle	KYL	Scotland,United Kingdom	57.3197N	5.6506W	105	From 1984-01-01 to 1986-04-18
Kymi	KYM1	Greece	38.6338N	24.1057E	218	From 2010-10-01
Kymi	S035	Greece	38.6610N	24.1080E	330	
Kymi, Euboea Island, Greece	KYMI	Greece	38.6331N	24.1001E	258	From 2014-04-01
Kyodong	GODA	Republic of Korea	37.5582N	127.7136E	130	From 2018-03-09
Kyoto	KYO	Kyoto,Japan	35.0117N	135.7350E	42	
Kyparissia	MES3	Greece	37.2488N	21.6725E	87	From 2011-10-14
Kyparissia	KYP2	Greece	37.2498N	21.6669E	34	From 2011-09-01
Kyrgizsay	KGSKZ	Kazakhstan	43.3280N	79.4920E	1368	From 2004-06-03
Ky Son	KSVV	Vietnam	20.8750N	105.3590E	30	From 2005-03-15
Kythira	KTHR	Crete,Greece	36.2606N	23.0042E	315	From 2007-05-01
Kythira Island - Agia Moni	KTHA	Greece	36.2566N	23.0621E	360	From 2013-06-18
Kyusyur	KYU	Sakha,Russia	70.6800N	127.3700E	20	From 1985-01-01
Kyzart	KZA	Kyrgyzstan	42.0778N	75.2496E	3520	
Kyzyl	KZLR	Krasnoyarskiy Kray,Russia	51.7050N	94.4538E	603	From 2003-12-24
Kyzyl-Adyr	KZAD	Kyrgyzstan	42.6590N	71.6000E	900	
Kzer Tazemourite	M019	Morocco	31.9377N	4.4562W	1095	
Kziot	KZIT	Israel	30.9063N	34.3972E	248	
Kzylasker	KZAKZ	Kazakhstan	43.1360N	76.2240E	1085	From 2004-05-07
L29M	L29M	Yukon Territory,Canada	63.1090N	138.1290W	827	From 2016-07-27
La Aguada	AGV	Venezuela	8.5630N	71.0900W	3516	
La Aguada	AGUV	Venezuela	8.5639N	71.0540W	3560	From 2004-11-01
La Almunia	NE11*	Spain	41.4770N	1.3720W	370	
Laase	GOR2	Germany	53.0661N	11.3017E	284	From 2013-11-25
La Banda, Bolivia	BBLB	Bolivia	18.6652S	58.7995W	226	From 2016-08-23
Labasa	LBSA	Fiji	16.5540S	179.2890E	185	
Labassere	LABF	Midi-Pyrenees,France	43.0475N	0.0737E	750	From 1997-03-01
la Bastide-des-Jourdans	BSTF	Provence-Cote d'Azur,France	43.8800N	5.6450E	500	From 2010-07-08
Labe	LABG	Guinea	11.2328N	12.3322W	1130	From 1991-07-01
La Belle	O40A	Missouri,U.S.A.	40.1212N	91.8740W	206	From 2010-12-09 to 2012-09-12
Labete	LBT	Solomon Islands,Papua New Guinea	8.3167S	157.2670E		
Labinsk	LABN	Krasnodarskiy Kray,Russia	44.6413N	40.7236E	290	From 2008-09-26
La Bonita	BONI	Ecuador	0.4528N	77.5290W	2040	From 2012-08-08
La Boquilla	BCIG	Chihuahua	27.5448N	105.4127W	1265	From 2013-11-08
Laboratory Soil Mechanics	LSM1	Greece	40.6281N	22.9600E	-2	From 2012-04-01
Laboratory Soil Mechanics	LSM0	Greece	40.6281N	22.9600E	38	From 2012-04-01
L¡brea	LABB	Rondonia	9.3165S	65.6757W	156	From 2019-05-09
Labuha	LBMI	Bacan,Indonesia	0.6379S	127.5008E	114	From 2005-01-01
Labuhan Bajo, Sumatra	LBFI	Flores,Indonesia	8.4800S	119.8900E	123	From 2008-12-01
Lac	LACI	Albania	41.6363N	19.7094E	55	
Lac	LACR	Severo-Osetinskaya,Russia	42.8270N	44.2970E	1271	From 2004-08-13
La Caada	LCND	El Salvador	13.3090N	87.8903W	165	From 2011-11-25
La Casta Ranch, Jordon	D21A	Montana,U.S.A.	47.0658N	106.9939W	934	From 2008-08-21 to 2010-07-10
Lac Aux requins	LARD	Djibouti	11.5787N	42.5066E	100	From 1999-01-01
Lacayo	LCY	El Salvador	13.4233N	88.2945W	1001	
Lac Daplat, Pontiac, MRC	E54A	Quebec,Canada	46.4339N	77.1869W	277	From 2012-09-07
Lac Daran	DAQ	Quebec,Canada	47.9644N	71.2425W	939	From 1988-12-15

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Lac Daran	LDAQ	Quebec,Canada	47.9636N	71.2443W	934	From 2017-08-30
Lac de Gras North	LDGN	Northwest Territories,Canada	64.6786N	110.5224W	422	
Lac de Gras South	LGSN	Northwest Territories,Canada	64.3337N	110.1307W	440	
Lac de Lave	LDLD	Djibouti	11.5837N	42.4985E	137	From 1987-01-01
Lac des Isle Mine	LDIO	Ontario,Canada	49.1750N	89.5955W	500	
Lac-des-Plages	DHLQ	Quebec,Canada	45.9963N	74.8853W	193	
Lac du Bonnet	ULM	Manitoba,Canada	50.2497N	95.8750W	281	From 1984-09-04
LAC DU BONNET INFRASONIC ARRAY REFERENCE POINT	I10CA	Manitoba,Canada	50.2015N	96.0269W	247	From 1999-05-04
La Ceiba	CEIV	Venezuela	9.4098N	71.0359W	4	
La Ceiba	LCBS	El Salvador	13.6550N	88.9783W	710	From 1991-12-01
Lac Etchemin	E61A	Quebec,Canada	46.4312N	70.4890W	527	From 2013-08-06
Lac Fusel, La Vallee-de-La-Gatineau	D54A	Quebec,Canada	47.1520N	76.6570W	415	From 2012-09-02
La Chapelle	CABF	Franche Comte,France	46.6111N	6.0875E	1070	From 1996-04-03
La Chartreuse	BLCH	Belgium	50.6395N	5.5988E	100	From 1991-02-01
La Chataigneraie	LCHF	Poitou-Charentes,France	46.6693N	0.7417W	166	
La Chaux de Fonds, Flughafen, NE	SLCF	Switzerland	47.0829N	6.7924E	1016	From 2016-08-31
La Chorrera	CHOR3	Panama	8.8985N	79.7650W	80	
La Cienega, Culver City	LCGC	California,U.S.A.	34.0003N	118.3779W	108	
La Clusaz	OG04	Rhone-Alpes,France	45.9137N	6.4380E	1330	From 1991-09-11
Lacona	LCNA	New York,U.S.A.	43.6442N	75.9260W	396	
La Concepcion, N10	TUN10	Nicaragua	12.9992N	86.2675W	620	
La Concha	LHG	Guatemala	14.4450N	91.1825W	600	From 1979-05-01
Laconia	LANH	New Hampshire,U.S.A.	43.5910N	71.4900W	200	
Lacq	LACL	Aquitaine,France	43.4350N	0.7269W	195	
Lacq-Usine	USIL	Aquitaine,France	43.4169N	0.6378W	95	
La Cruz	CRZ1	Costa Rica	11.0723N	85.6352W	270	
La Cruz	CRUC	Colombia	1.5677N	76.9510W	2761	From 1994-01-01
La Cruz	CRZC	Costa Rica	10.9533N	85.5967W	325	
La Cruz	LCRUZ	Costa Rica,Costa Rica	11.0788N	85.6302W	242	
Lac Salanfe	SALAN	Switzerland	46.1441N	6.9730E	1885	From 2001-07-11
Lac Senin/Sanetsch	SENIN	Switzerland	46.3633N	7.2993E	2035	From 2002-02-06
Lac Sinclair, Quebec	LSQ1	Quebec,Canada	45.7898N	76.1525W	215	From 2007-06-30
La Cuchilla	LACU	Venezuela	7.8767N	71.3906W	800	From 1984-01-01
La Cueva	LCV	New Mexico,U.S.A.	35.8828N	106.6740W	2652	From 1973-09-01 to 1999-08-25
La Culata	CUV	Venezuela	8.7490N	71.0600W	2940	
La Cumbre	CMG	Guatemala	14.6707N	89.7853W	1802	
La Cumbre 2	CMG2	Guatemala	14.6608N	89.7867W	1710	From 1988-01-01
La Cumbre Peak	LPC	California,U.S.A.	34.4965N	119.7130W	1190	From 1969-11-01
Lac Vacive, Pontiac, Mrc	D53A	Quebec,Canada	47.0795N	77.7001W	347	From 2012-09-01
La Danta	LADA	Venezuela	7.9389N	71.6131W	1200	From 1984-01-01
Ladd Mountain	LMW	Washington,U.S.A.	46.6680N	122.2910W	1195	From 1975-06-30
La Desirade	DEG	Guadeloupe,France	16.3132N	61.0598W	575	From 1988-03-01
La Dsirade Island	GDSD	Guadeloupe,France	16.3128N	61.0660W	270	From 2010-12-10
La Diana	DIAC	Colombia	3.2913N	76.1973W	1520	From 1987-01-01
La Diferencia	DR06	Dominican Republic	19.2328N	70.9915W		
La Diferencia	DR6	Dominican Republic	19.2328N	70.9915W		
Ladik-KONYA	LADK	Turkey	38.2000N	32.3648E	1168	From 2007-06-19
L¸dingen	N2LO	Norway	68.4003N	15.9520E	10	From 2013-08-01 to 2016-05-30
Ladron	LAZ	New Mexico,U.S.A.	34.4020N	107.1390W	1853	
Ladron Mountain	LAD	New Mexico,U.S.A.	34.4583N	107.0370W	1768	From 1976-01-01
La Druitiere	LDF	Basse-Normandie,France	48.5936N	0.1222W	290	From 1982-09-28
Ladstafel, Nufenenpass, VS	BTNF	Switzerland	46.4774N	8.3692E	1923	From 2018-09-26
Lady	LDJ	Utah,U.S.A.	40.5815N	111.4087W	2217	From 1992-09-30
Ladybower, Peak District	LBWR	England,United Kingdom	53.4016N	1.7248W	353	From 2011-12-08
Lae	LAE	Papua New Guinea	6.6731S	146.9130E	50	From 1966-01-01 to 1970-05-18
Lae	LUNA	Papua New Guinea	6.7337S	147.0098E	96	From 2012-12-01
Lae	LAT	Papua New Guinea	6.6651S	147.0020E	72	From 1970-05-18
Laela	LAEL	Tanzania,United Republic of Tanzania	8.5662S	32.0592E	1598	
Lae--Mount Lunaman	LML	Papua New Guinea	6.7351S	147.0090E	100	From 1979-01-01
La Escarcha	SANJ	Colombia	4.5222N	75.3757W	2400	
La Escondida, Volcan Rincon de la Vieja, Guanaca	VRLE	Costa Rica	10.7883N	85.3652W	921	From 2014-05-23
La Esperanza	EZNC	Colombia	7.6257N	73.3171W	479	From 2014-03-17
La Esperanza	TESP	Canary Islands	28.4199N	16.4124W	1398	From 2016-11-04
La Esperanza, C12	TUC12	Nicaragua	11.6901N	84.3623W	238	
La Esperanza, Chiriqui	LESP3	Panama	8.4060N	82.7900W	46	From 2010-01-01
La Fare-les-Oliviers - 13037	FLOF	Provence-Cote d'Azur	43.5426N	5.1215E	65	From 2015-06-22
Lafayette	LAF	Rhode Island,U.S.A.	41.5508N	71.5067W	40	From 1976-03-25 to 1977-06-10
Lafayette	SFIN	Indiana,U.S.A.	40.3790N	87.0967W	165	From 2008-10-09
Lafayette	LA-	Georgia,U.S.A.	34.8572N	85.4500W	610	From 1965-12-03 to 1965-12-13
Lafayette	LA-GA	Georgia,U.S.A.	34.8572N	85.4500W	610	From 1965-12-03 to 1965-12-13
La Foliniere	FLN	Basse-Normandie,France	48.7625N	0.4819W	240	
La Follette	U51A	Tennessee,U.S.A.	36.3786N	84.0165W	472	From 2012-05-30
La Follette	LF-	Tennessee,U.S.A.	36.4697N	83.8286W	366	
La Follette	LF-TN	Tennessee,U.S.A.	36.4697N	83.8286W	366	
La Font de la Figuera	E045	Spain	38.7793N	0.8590W	701	
La Foret Royale	FRF	Provence-Cote d'Azur,France	43.5607N	6.6468E	310	From 1981-07-01
La Fortuna	SGBR	Costa Rica,Costa Rica	10.4770N	84.7602W	490	
La Fortuna	TUNA	Costa Rica,Costa Rica	10.4690N	84.6440W	266	
La Frestale	LFF	Aquitaine,France	44.9395N	0.7402E	200	From 1985-07-17
La Fuente	LORF	Costa Rica	10.0432N	83.7268W	2430	
La Fuente	LFU	El Salvador	13.7487N	89.1138W	732	
La Garita, S28	SCR28	Colorado	37.8955N	106.3864W	2623	
Lagarterita	LGT	Panama	9.0745N	79.9150W	50	
Lagarto - SE	NBLA	Sergipe,Brazil	10.9925S	37.7890W	192	From 2011-09-03
Lageado - TO	LJDO	Tocantins,Brazil	9.7698S	48.2893W	273	From 2011-06-26
Laghdir	M005	Morocco	35.0247N	5.4032W	204	
IAGKADAS	LGD1	Greece	40.7490N	23.0650E	85	From 2008-09-30
Lagoa	POVGA	Azores	37.7428N	25.5883W	11	From 2016-09-09
Lagoa das Contendas	PGRON	Azores	37.7705N	25.3747W	600	From 2016-06-24
Lagoa do Fogo	LFA	Azores,Portugal	37.7726N	25.4831W	693	From 1981-01-01
Lago Colima	CLMC	Colombia	3.8814N	76.5630W	1480	From 1988-11-01
Lago Cote	COTE	Costa Rica,Costa Rica	10.5753N	84.9162W	679	
Lago de Cote	AR2	Costa Rica	10.5614N	84.8933W	763	
Lagodekhi	LGD	Georgia,Georgia	41.8347N	46.2423E	420	From 1968-01-01
Lago del Careser	CARE	Trentino,Italy	46.4252N	10.6945E	2605	From 2002-08-10
Lago del Serru	LSD	Italy	45.4595N	7.1343E	2285	From 1985-01-01
La Gomera	EGOM	Canary Islands,Spain	28.1594N	17.2096W	0	From 2003-05-19
La Gonave Hosp	WSYH	Haiti	18.8330N	72.8628W	29	
Lagor	LAGL	Aquitaine,France	43.4061N	0.6650W	190	
Lago Ritom (SBB)	RITOM	Switzerland	46.5345N	8.6780E	1822	From 2005-12-15
Lagos	PLAGO	Portugal	37.0958N	8.6879W	21	From 2015-04-14
La Grand CA	LEGD	California	37.2144N	120.1492W	94	From 2018-09-01
La Grande	LBQ	Quebec,Canada	53.5360N	77.3540W	183	From 1979-07-27
La Grande	LAQ	Quebec,Canada	53.8073N	77.0200W	183	From 1978-10-15
La Grande	LCQ	Quebec,Canada	53.5411N	76.9731W	293	From 1978-10-13
La Grande	LGOR	Oregon,U.S.A.	45.2164N	118.0010W	1200	From 1991-07-01
La Grande	LDQ	Quebec,Canada	53.8061N	77.4281W	198	
La Grande	LGQ	Quebec,Canada	53.6920N	77.7250W	190	From 1976-08-04 to 1980-05-17
La Grande	LTQ	Quebec,Canada	53.7017N	76.0850W	313	From 1980-05-01 to 1982-11-17
La Grande 3	JCQ	Quebec,Canada	53.4672N	75.8242W	320	
La Grande 3	LRQ	Quebec,Canada	53.7014N	76.0589W	284	From 1984-04-02
La Grande 3	LXQ	Quebec,Canada	53.7223N	76.0222W	195	From 1986-12-16
La Grande 3	JBQ	Quebec,Canada	53.6103N	75.6053W	381	
La Grande 3	JAQ	Quebec,Canada	53.8022N	75.7211W	366	From 1981-03-23 to 1999-08-25
La Grande 4	KAQ	Quebec,Canada	53.9833N	73.5230W	472	From 1983-01-01 to 1984-03-12
La Grande 4	KBQ	Quebec,Canada	53.9778N	73.2850W	472	From 1983-01-01 to 1984-03-11
La Grande 4	KCQ	Quebec,Canada	53.8328N	73.1319W	457	From 1983-01-01 to 1984-03-11
La Grande 4	LG4Q	Quebec,Canada	53.6269N	74.0972W	168	
La Grande 4	LQQ	Quebec,Canada	53.8458N	73.4883W	311	From 1983-02-23 to 1984-03-11
La Grange	LGAR	Arkansas,U.S.A.	34.6520N	90.6560W	100	From 1979-08-07
La Guardia	BB02	Bolivia	17.8982S	63.3242W	528	From 2011-11-14
Lagu-Hvolar	IHVO	Iceland	63.5260N	18.8480W	196	From 1999-10-20
Laguna Cedeo	CEDE	Costa Rica	10.4868N	84.7035W	686	From 2000-01-01
Laguna Cube	LGCB	Ecuador	0.3821N	79.5753W	160	From 2008-12-03
Laguna Mountains	LGA	Arizona,U.S.A.	32.7597N	114.4930W	68	
Laguna Peak, Port Hueneme	BLG	California,U.S.A.	34.1082N	119.0659W	416	From 1999-06-13
Laguna Tiscapa	TISN	Nicaragua	12.1425N	86.2693W	200	
Laguna Verde	LVVM	Veracruz,Mexico	19.7380N	96.4488W		From 1988-01-01
Laguna Verde	LAV	Valparaiso,Chile	33.0874S	71.7462W	60	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Laguna Verde	LVIG	Veracruz,Mexico	19.7232N	96.4177W	41	
Laguneta	LAGU	Venezuela	9.7700N	69.7650W	800	From 1986-01-01
Lagunillas	LAGV	Venezuela	10.2239N	71.1593W	100	
Lagunillas	LGN	Venezuela	10.1450N	71.2700W	-3	From 1969-08-01
Lagunnoye	LAGR	Sakhalinskaya Oblast',Russia	44.0556N	145.7861E	28	From 2011-09-20
Lahad Datu	MYLDM	Sabah,Malaysia	5.1800N	118.5000E	0	From 2006-03-24
Lahat	LHSI	Sumatera,Indonesia	3.8267S	103.5233E	0	From 2007-12-01
La Hesperia	HSPR	Ecuador	0.3515S	78.8502W	1387	From 2008-11-24
Lahijan	LHJ1	Iran	37.1561N	50.1005E	669	From 2015-07-13
Lahijan - Gilan	LHJ2	Iran	37.1664N	50.0616E	79	From 2015-12-23
La Honda	LT5	California,U.S.A.	37.3313N	122.2800W	226	From 1966-12-18 to 1970-05-01
Lahore	LAH	Pakistan	31.5500N	74.3333E	210	From 1952-01-01 to 1968-12-31
Laichau	LUV	Vietnam	22.0519N	103.1590E	1100	
Lai Chau	LCVN	Vietnam	22.0387N	103.1543E	1100	
L'Aileron	AIL	Martinique,France	14.8010N	61.1080W	879	From 1971-03-01 to 1999-08-25
Lailor River, Nunavut	LAIN	Northwest Territories,Canada	69.1086N	83.5361W	320	From 2005-08-18
Laimos Florinas	LMS2	Greece	40.8350N	21.1418E	923	From 2012-09-01
La Independencia	AGZ	Colombia	4.9350N	72.4670W	223	
Laino Castello	LC22	Italy	39.9364N	15.9779E	550	From 2017-02-16
Laino Castello	T0721	Italy	39.9369N	15.9769E	538	
LA ISLA	SESM	Ecuador	0.4999S	80.0159W	170	From 2016-05-14
Laja	LAJA	Bio-Bio	37.2809S	72.7112W	84	From 2013-06-20
Lajas Hojancha	CMARA	Costa Rica,Costa Rica	10.0195N	85.4235W	629	
Lajes	ALML	Azores	38.4005N	28.2538W	20	
Lajes	PLAJ	Azores	38.4019N	28.2539W	63	From 2016-04-07
Lajitas	LTX	Texas,U.S.A.	29.3339N	103.6670W	1013	From 1984-09-12
Lajitas Array Beam Reference Point	TXAR	Texas,U.S.A.	29.3338N	103.6670W	1013	
Lajitas Array Site 10	TX10	Texas,U.S.A.	29.3307N	103.7025W	1033	
Lajitas Array Site 11	TX11	Texas,U.S.A.	29.3343N	103.6676W	1021	From 2006-08-02
Lajitas Array Site 2	TX02	Texas,U.S.A.	29.3297N	103.6575W	952	
Lajitas Array Site 3	TX03	Texas,U.S.A.	29.3310N	103.6740W	990	
Lajitas Array Site 32	TX32	Texas,U.S.A.	29.3340N	103.6677W	1013	From 2006-08-02
Lajitas Array Site 4	TX04	Texas,U.S.A.	29.3397N	103.6672W	1013	
Lajitas Array Site 5	TX05	Texas,U.S.A.	29.3202N	103.6523W	957	
Lajitas Array Site 6	TX06	Texas,U.S.A.	29.3187N	103.6815W	1007	
Lajitas Array Site 7	TX07	Texas,U.S.A.	29.3397N	103.6890W	1038	
Lajitas Array Site 8	TX08	Texas,U.S.A.	29.3510N	103.6765W	1015	
Lajitas Array Site 9	TX09	Texas,U.S.A.	29.3433N	103.6598W	1001	
Lajitas Ar. Site	TX00	Texas,U.S.A.	29.3338N	103.6670W	1013	
Lajitas Ar. Site	TX31	Texas,U.S.A.	29.3342N	103.6678W	1025	
Lajitas B3	LTB3	Texas,U.S.A.	29.3397N	103.6672W	1013	
La Jolla	LJC	California,U.S.A.	32.8633N	117.2530W	8	From 1927-05-05 to 1975-11-30
La Jonquera	EJON	Spain	42.4487N	2.8886E	570	
La Joya	LAJO	Bolivia	17.7777S	67.4777W	3788	From 1994-05-30 to 1995-05-06
La Joya	LJY	New Mexico,U.S.A.	34.3365N	106.8960W	1532	
La Joyeuse, Anse Bertrand	ABD	Guadeloupe,France	16.4743N	61.4881W	10	From 2012-09-17
La Junta	LJUN	Patagonia	43.9933S	72.4623W	306	From 2010-01-01
Lakadia	LAKD	Gujarat,India	23.2051N	70.3445E	71	From 2012-01-01
Lakatoro	VLAKA	Vanuatu	16.1055S	167.4218E	14	
Lake	LKWY	Wyoming,U.S.A.	44.5652N	110.4000W	2424	From 1995-10-19
Lakebay	D04D	Washington,U.S.A.	47.1786N	122.7723W	37	From 2010-08-19
Lakebay	D04E	Washington,U.S.A.	47.1786N	122.7715W	45	From 2012-10-11
Lake Benmore	LBZ	South Island,New Zealand	44.3856S	170.1844E	438	From 2004-06-04
Lake Butler	556A	Florida,U.S.A.	30.0015N	82.4057W	45	From 2012-02-06
Lake Butte	YPLB	Wyoming,U.S.A.	44.5113N	110.2720W	2565	
Lake Butte	YPLA	Wyoming,U.S.A.	44.5127N	110.2687W	2580	
Lake Cedric, Chanute	S36A	Kansas,U.S.A.	37.7240N	95.5923W	299	From 2010-03-16 to 2012-03-02
Lake Chabot	CLCM	California,U.S.A.	37.7380N	122.0640W	312	From 1972-11-21 to 2008-07-16
Lake Chabot	LKC	California,U.S.A.	37.7380N	122.0640W	312	From 1972-11-21 to 2008-07-16
Lake Chabot	CLCB	California,U.S.A.	37.7379N	122.0649W	309	
Lake Charles	541A	Louisiana,U.S.A.	30.0596N	93.1875W	0	From 2011-02-26 to 2012-12-06
Lake Charles	LCAR	Arkansas,U.S.A.	36.0695N	91.1543W	103	
Lake City, S08	SCR08	Colorado	38.0313N	107.3074W	2658	
Lake County Forest Preserve, Grayslake	L44A	Illinois,U.S.A.	42.1782N	87.9119W	202	From 2011-10-10
Lake De Bois	LDBN	Northwest Territories,Canada	66.7219N	124.9431W	294	From 2010-07-17
Lake Erie Bluffs Ohio	LEBO	Ohio	41.7858N	81.1803W	187	From 2016-08-24
Lake Erie College	LECO	Ohio,U.S.A.	41.7090N	81.2500W	204	
Lake Grace	LKGR	Western Australia,Australia	33.1036S	118.4590E	295	From 2011-01-28
Lake Granby, Granby	O23A	Colorado,U.S.A.	40.2109N	105.9178W	2635	From 2008-07-06 to 2010-06-14
Lakehead University	LHC	Ontario,Canada	48.4167N	89.2667W	196	From 1969-02-28 to 1986-09-24
Lake Helen	758A	Florida,U.S.A.	28.9621N	81.1996W	16	From 2012-02-13
Lake Helena	LHM	Montana,U.S.A.	46.6756N	111.9430W	1117	From 1974-10-09 to 1976-10-04
Lake Herman	NLHM	California,U.S.A.	38.1198N	122.1480W	177	
Lake Hughes	LHU	California,U.S.A.	34.6710N	118.4110W	1036	From 1976-06-01
Lake Jocassee	CASEE	South Carolina,U.S.A.	34.9930N	82.9317W	385	From 2013-11-20
Lake Jocassee	BG3	South Carolina,U.S.A.	34.9930N	82.9317W	384	
Lake Junction	YPLK	Wyoming,U.S.A.	44.5697N	110.3865W	2390	
Lakeland CC	LCCO	Ohio,U.S.A.	41.6380N	81.3640W	231	
Lakeland CC 2, Kirtland	LCCO2	Ohio,U.S.A.	41.6390N	81.3570W	245	
Lake Magadi	MALJ	Tanzania,United Republic of Tanzania	3.1913S	35.4707E	2360	
Lake Malawi, 103B	LM103	Malawi	9.7159S	34.1118E	-500	
Lake Malawi, 107	LM107	Malawi	10.0484S	34.2981E	-450	From 2015-02-28 to 2015-04-21
Lake Malawi, 108	LM108	Malawi	10.1336S	34.3451E	-466	From 2015-02-28 to 2015-04-21
Lake Malawi, 109	LM109	Malawi	10.2180S	34.3922E	-492	From 2015-02-28 to 2015-04-21
Lake Malawi, 110B	LM110	Malawi	10.3224S	34.3960E	-485	From 2015-02-28 to 2015-10-25
Lake Malawi, 111	LM111	Malawi	10.4263S	34.4103E	-458	From 2015-02-28 to 2015-04-21
Lake Malawi, 112	LM112	Malawi	10.5291S	34.4035E	-454	From 2015-02-28 to 2015-04-21
Lake Malawi, 113	LM113	Malawi	10.6331S	34.4069E	-472	From 2015-02-28 to 2015-04-16
Lake Malawi, 114	LM114	Malawi	10.7366S	34.4101E	-514	From 2015-02-28 to 2015-04-16
Lake Malawi, 115	LM115	Malawi	10.8407S	34.4136E	-563	From 2015-02-27 to 2015-04-16
Lake Malawi, 116	LM116	Malawi	10.9653S	34.4190E	-679	From 2015-02-27 to 2015-04-16
Lake Malawi, 117	LM117	Malawi	11.0888S	34.4269E	-683	From 2015-02-27 to 2015-04-16
Lake Malawi, 118B	LM118	Malawi	11.2140S	34.4297E	-605	From 2015-02-27 to 2015-10-25
Lake Malawi, 119	LM119	Malawi	11.3357S	34.4437E	-560	From 2015-02-27 to 2015-04-16
Lake Malawi, 120	LM120	Malawi	11.4558S	34.4369E	-518	From 2015-02-27 to 2015-04-16
Lake Malawi, 121	LM121	Malawi	11.5987S	34.4413E	-450	From 2015-02-27 to 2015-04-18
Lake Malawi, 203B	LM203	Malawi	10.0314S	34.1577E	-500	
Lake Malawi, 206B	LM206	Malawi	9.9119S	34.3199E	-500	
Lake Malawi, 301	LM301	Malawi	10.8588S	34.2593E	-500	From 2015-02-28 to 2015-04-20
Lake Malawi, 302B	LM302	Malawi	10.8528S	34.3080E	-512	From 2015-02-28 to 2015-10-25
Lake Malawi, 303	LM303	Malawi	10.8474S	34.3593E	-584	From 2015-02-28 to 2015-04-20
Lake Margaret	MARG	Tasmania,Australia	41.9995S	145.5516E	700	
Lake Mead	LM-NV	Nevada,U.S.A.	36.5825N	114.5353W	536	From 1961-11-25 to 1962-05-14
Lake Mead	LM-	Nevada,U.S.A.	36.5825N	114.5353W	536	From 1961-11-25 to 1962-05-14
Lake Mikany	MIKA	Tasmania,Australia	40.8781S	145.1811E	40	
Lake Minchumina	CHUM	Alaska,U.S.A.	63.8827N	152.3152W	217	From 2004-06-02
Lake Moeraki	LMZ	South Island,New Zealand	43.7150S	169.2696E	10	From 1990-11-08 to 2004-07-31
Lake Mountain	LMUT	Utah,U.S.A.	40.3151N	111.9320W	1593	
Lake Mountain	LMU	Utah,U.S.A.	40.2831N	111.9370W	2316	From 1974-09-01 to 1980-03-31
Lake Muir 02	LM02	Western Australia	34.4929S	116.6405E	249	From 2018-09-18 to 2019-02-15
Lake Muir 03	LM03	Western Australia	34.3677S	116.9292E	249	From 2018-09-18 to 2019-02-15
Lake Muir 04	LM04	Western Australia	34.3380S	116.6453E	249	From 2018-09-18 to 2019-02-15
Lake Muir 05	LM05	Western Australia	34.3834S	116.3249E	249	From 2018-09-21 to 2019-02-15
Lake Natron SS	LN25	Tanzania	2.5006S	35.8864E	623	From 2013-01-19 to 2014-12-05
Lake Ozonia	LONY	New York,U.S.A.	44.6197N	74.5829W	440	From 2005-10-06
Lake Ozonia	LOZ	New York,U.S.A.	44.6197N	74.5829W	440	
Lake Rotoehu	LRONZ	New Zealand	38.0637S	176.5545E	475	
Lake Rotokare	LREZ	North Island,New Zealand	39.4602S	174.4027E	165	From 2010-01-27
Lake Saint Peter	G54A	Ontario,Canada	45.3979N	78.0898W	465	From 2013-07-22
Lakeshore Drive, S. Francisco	J061	California,U.S.A.	37.7306N	122.4974W	22	
Lake Shores	LSU	Utah,U.S.A.	40.1322N	111.7301W	1375	
Lakeside	LSCT	Connecticut,U.S.A.	41.6784N	73.2244W	318	From 1993-08-04 to 2007-02-06
Lake Taylor	LTZ	South Island,New Zealand	42.7816S	172.2710E	648	From 1989-10-12
Lakeview	LKVW	Oregon,U.S.A.	42.2242N	120.3596W	1512	From 2007-05-01
Lakeview	L05A	Oregon,U.S.A.	42.0472N	120.8336W	1751	From 2006-06-16 to 2007-10-24
Lakeview Peak	LVP	Washington,U.S.A.	46.0683N	122.4080W	1170	
Lakeview Retreat	LRAL	Alabama,U.S.A.	33.0348N	86.9978W	130	From 2001-07-02
Lake Wenatchee	LW-	Washington,U.S.A.	47.8456N	120.9017W	762	
Lake Wenatchee	LW-WA	Washington,U.S.A.	47.8456N	120.9017W	762	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Lake Whitney, Meridian	WHTX	Texas,U.S.A.	31.9913N	97.4561W	190	From 2009-02-11
Lake Wisdom	LKW	Papua New Guinea	5.3350S	147.0650E	150	
Lake Woodford	WOOD	New South Wales,Australia	33.6979S	150.4855E	420	
Lakewood Golf Course	LGC	California,U.S.A.	33.8358N	118.1500W	17	From 1971-07-07 to 1974-03-15
Lakey Bradford Hills	LAKY	Victoria	36.9014S	144.0358E	220	From 1991-05-03
Lakka	LAKA	Greece,Greece	38.2401N	21.9785E	505	From 2008-01-01
La Laguna	LLGN	El Salvador	14.1626N	88.9445W	919	
Lale Fork Canyon	LFC	New Mexico,U.S.A.	35.8769N	106.6650W	2451	
Lalibel	LALE	Ethiopia	12.0258N	39.0375E	2422	
La Libertad	ALIBE	Ecuador	2.2428S	80.8464W	40	From 2010-08-05
La Lindora	LSOL	Costa Rica	10.2817N	84.8428W	1075	From 2004-01-01
La Loma 1 Canario Temporal	LL1C	Colombia	9.5420N	73.5550W	49	From 2014-10-03
La Loma 2 Canario Temporal	LL2C	Colombia	9.5553N	73.4386W	78	From 2014-09-19 to 2015-10-06
La Loma 3 Canario Temporal	LL3C	Colombia	9.7267N	73.4129W	118	From 2014-10-03 to 2015-06-04
La Loma 5 El Paso	LL5C	Colombia	9.7497N	73.7211W	55	From 2015-10-14
La Loma 6 Becerril	LL6C	Colombia	9.7353N	73.2706W	158	From 2015-10-08
La Loma 7 Curumani	LL7C	Colombia	9.3394N	73.4372W	140	From 2015-10-11
La Loma 8 Chimichagua	LL8C	Colombia	9.3392N	73.7969W	58	From 2015-10-18
La Lomota	DR05	Dominican Republic	19.6349N	70.8596W	660	
La Lomota	DR5	Dominican Republic	19.6349N	70.8596W		
La Lucha	LCR	Costa Rica	9.7384N	84.0016W	1400	From 1978-01-01 to 1982-11-30
La Lucha 2	LCR2	Costa Rica	9.7415N	84.0053W	26	From 1982-11-01
La Lucha Farm	LLC	Costa Rica	9.6654N	83.9991W	1400	From 1966-02-01 to 1978-01-31
Lama dei Peligni	LPEL	Italy	42.0468N	14.1832E	760	From 2008-04-11
La Malbaie	LMBQ	Quebec,Canada	47.4700N	70.1500W	0	From 1979-09-19
La Malbaie	LMQ	Quebec,Canada	47.5483N	70.3267W	419	From 1976-11-04
Lamap	LMP	Vanuatu	16.4256S	167.8000E	60	
La Marquesa	INVM	Mexico D.F.	19.2912N	99.3827W	3068	
La Martella	LAS20	Italia	40.6687N	16.5355E	210	From 2017-08-05
Lamas de Olo	POLO	Portugal	41.3738N	7.7942W	1060	From 2008-10-29
Lambert	C23A	Montana,U.S.A.	47.8026N	105.1844W	729	From 2008-09-09 to 2011-01-13
Lambert Chapel	LCAL	Alabama,U.S.A.	34.5225N	85.6302W	544	From 1983-02-24 to 1985-12-03
Lambert Place Union City	C060	California,U.S.A.	37.5848N	122.0271W	3	From 2012-03-08
Lambom Island	ELB	New Ireland,Papua New Guinea	4.8038S	152.8300E	10	
Lamborn Mesa, Paonia	Q21A	Colorado,U.S.A.	38.8347N	107.5738W	1881	From 2007-12-04 to 2010-02-07
Lambtecht Ranch, Loup City	M31A	Nebraska,U.S.A.	41.3440N	98.9766W	699	From 2009-09-09 to 2011-08-18
Lamerd	LMD1	Iran	27.3398N	53.1646E	425	From 2013-05-20
La Mesa Andrade	LMX	Sonora,Mexico	32.1087N	114.9600W		From 1988-01-01
La Mesa, Veraguas	MESA3	Panama	8.1480N	81.1850W	84	From 2010-01-01
Lamia	LAM2	Greece	38.9023N	22.4316E	106	From 2014-10-15
La Mica	VNTA	Guerrero	16.9143N	99.8188W	62	
Lamington	LMG	Papua New Guinea	8.9083S	148.1500E	1200	From 1970-01-01
Lamocks	LMC	Guangdong,China	23.2667N	117.2830E		
La Morita, N8	TUN8	Nicaragua	12.7007N	86.4173W	141	
La Mourre	LMR	Provence-Cote d'Azur,France	43.3339N	6.5092E	200	
Lampang	LPT	Thailand	18.2167N	99.5500E	0	From 1976-02-01 to 1978-08-31
Lampang	LAMP	Thailand	18.5226N	99.6322E	246	
Lampedusa	LPD	Italy	35.5114N	12.5951E	20	From 1989-05-01
Lampedusa Capo Grecale	LPDG	Sicily,Italy	35.5183N	12.6302E	49	From 2012-09-17
Lampeter	LPW	Wales,United Kingdom	52.1136N	4.0681W	152	
Lamto	LIC	Ivory Coast	6.2244N	5.0278W	105	From 1965-06-01
La Murta	EMUR	Spain	37.8422N	1.2405W	574	
Lanans	LANAN	France	47.2975N	6.4370E	494	From 2018-06-21 to 2020-01-01
Lancaster	LANC	California,U.S.A.	34.7270N	118.0510W	719	
Landau	INS4B	Germany	49.1928N	8.1115E	145	From 2014-12-09
Landau	LDO	Germany	49.2080N	8.1732E	28	
Landau	INS4	Germany	49.1946N	8.1109E	146	From 2012-09-19 to 2015-02-13
Landau	LDE	Germany	49.1765N	8.1409E	10	
Land-Between-the-Lakes	LLKY	Kentucky,U.S.A.	36.9220N	88.0970W	177	From 1985-01-01
Landels Hill-Big Creek Nat. Reserve, California	LAND	California	36.0588N	121.5877W	170	From 2018-09-01
Lander Cutoff	ID10	Wyoming,U.S.A.	42.5186N	110.8919W	2252	From 2017-09-12 to 2017-10-26
Landers	LAC	California,U.S.A.	34.3898N	116.4120W	792	From 1968-08-01
Landfair	LDFC	California,U.S.A.	35.0781N	115.1096W	1209	
Landman Farms, Northwood	C31A	North Dakota,U.S.A.	47.7927N	97.7336W	384	From 2010-08-23 to 2012-06-25
Lands Inn, Kimberly	H07A	Oregon,U.S.A.	44.5913N	119.5646W	1204	From 2006-08-15 to 2008-04-18
Landslide	LSW	Washington,U.S.A.	46.4813N	119.2453W	262	From 1970-06-01 to 1971-10-31
Lane BPA Site-SMO	LANE	Oregon,U.S.A.	44.0517N	123.2331W	120	From 2001-01-17
Lanestosa	ELAN	Spain	43.2317N	3.4340W	633	From 2003-03-28
Langara Island	LIB	British Columbia,Canada	54.2558N	133.0580W	35	From 1984-09-12
Langauhaeuser, Niederoesterreich	A015A	Austria	48.9334N	14.9936E	500	From 2015-09-07
Lang Chanh	LAVN	Vietnam	20.1532N	105.2475E	50	From 2003-01-01
Lang Chanh	LAVB	Vietnam	20.1512N	105.2587E	70	
Langenberg	LANF	Alsace,France	48.9806N	7.8053E	500	
Langenfeld Brothers Farm, Elkhart Lake	I43A	Wisconsin,U.S.A.	43.8844N	88.1460W	299	From 2011-10-11 to 2013-06-03
Langenfeld Grube Bendisberg	LAGB	Germany	50.3608N	7.1007E	372	From 2013-06-06
Langenwang	A012A	Austria	47.6040N	15.5860E	1280	From 2015-07-02
Langila	LAG	New Britain,Papua New Guinea	5.4556S	148.4330E	24	
Lang Ngam	LNVN	Vietnam	21.0770N	106.1540E	50	
Langsa, Aceh	LASI	Sumatera,Indonesia	4.4572N	97.9704E	13	
Lang Son station	LSVB	Vietnam	21.8527N	106.7492E	285	From 2006-01-01
Lankaran	LNK	Azerbaijan	38.7500N	48.8600E	-18	From 1949-01-01 to 1984-01-01
Lannach	A020A	Austria	46.9484N	15.2994E	390	From 2015-10-01
Lannavaara	LANU	Sweden	68.0473N	21.9962E	500	From 2004-08-07
Lanshu	TWI	Taiwan region	22.0683N	120.5050E	20	From 1974-09-12
Lanslevillard	LNS	Rhone-Alpes,France	45.2889N	6.9147E	1480	
Lant Hill Farm, Argyle	J60A	New York,U.S.A.	43.2438N	73.4212W	265	From 2013-09-17
Lanuvio	LAV9	Italy	41.6778N	12.6989E	300	From 2000-06-07
Lan-yu	LAY	Taiwan region	22.0387N	121.5510E	324	
Lan-yu	LYUB	Taiwan region	22.0017N	121.5840E	40	
Lanzarote	CLAN	Canary Islands,Spain	29.1031N	13.4761W	356	
Lanzhou	LZH	Gansu,China	36.0867N	103.8440E	1560	
Lanzhou	LCC	Gansu,China	36.0833N	103.6670E	1600	
Lanzhou	LAN	Gansu,China	36.0500N	103.8330E	1518	
Lanzhou Array Beam Reference Point	LZDM	China (Mainland)	35.9563N	103.6956E	2760	
La Orotava (Tenerife)	CCHO	Canary Islands	28.2252N	16.6737W	2070	From 2018-11-26
La Orotava (Tenerife)	CPVI	Canary Islands	28.2619N	16.6609W	3040	From 2018-11-27
La Orotava (Tenerife)	CDIE	Canary Islands	28.2850N	16.5593W	2087	From 2018-05-22
La Palma	LPS	El Salvador	14.2922N	89.1619W	1000	
La Palma	EXILP	Canary Islands	28.6608N	17.9073W	363	
La Parita Creek, Jourdanton	734A	Texas,U.S.A.	28.8473N	98.5576W	121	From 2009-12-02 to 2011-10-11
La Paz	LAP	Baja California,Mexico	24.1600N	110.2800W	65	
La Paz	LZ-BV	Bolivia	16.2586S	68.4797W	3993	
La Paz	LZ-	Bolivia	16.2586S	68.4797W	3993	
La Paz	LPIG	Baja California,Mexico	24.1020N	110.3080W	46	
La Paz	BS00	Bolivia	16.4940S	68.1344W	3669	From 2014-01-01
La Paz	LPAZ	Bolivia	16.2879S	68.1307W	4774	
La Paz	LPX	Baja California,Mexico	24.1293N	110.4310W	7	From 2006-12-09
La Paz	LPB	Bolivia	16.5327S	68.0984W	3292	From 1962-02-01
La Paz, Banderani	BBOB	Bolivia	16.1410S	68.1325W	3960	From 1975-01-01
La Paz, Chanca	BBOE	Bolivia	16.8127S	67.9832W	4325	From 1982-01-01
La Paz, Gloria	BBOD	Bolivia	16.6374S	68.5981W	4230	From 1986-01-01
La Paz, Jacaque	BBOJ	Bolivia	16.9751S	68.1915W	4125	From 2008-04-12
La Pedrera	LAPE	Venezuela	7.5580N	71.5756W	327	From 1984-01-01
La Peregrina	LPR	Puerto Rico	18.3086N	65.8697W	580	From 1976-08-10 to 1999-08-25
La Picada, Volcan Turrialba	PICA	Costa Rica	10.0255N	83.7858W	2565	From 1984-04-01
LA PILA	LAPI	Ecuador	1.1338S	80.5841W	288	From 2016-05-16
La Plagne	LPG	Rhone-Alpes,France	45.4977N	6.7514E	2570	From 1985-06-01
La Plagne	LPL	Rhone-Alpes,France	45.5164N	6.7324E	2070	From 1986-07-01
La Plaine	DLPL	Dominica	15.3325N	61.2468W	300	From 2007-12-04
La Plaine Cafres	PCR	Reunion,France	21.1957S	55.5778E	2270	
La Plantade	PLDF	Auvergne,France	45.9698N	3.6212E	940	From 1983-06-01
La Plata	LPA	Buenos Aires,Argentina	34.9089S	57.9319W	14	From 1907-01-01
La Pocatiere	POC	Quebec,Canada	47.3644N	70.0408W	61	From 1972-01-21 to 1980-10-17
La Pocatiere	LPQ	Quebec,Canada	47.3408N	70.0093W	126	From 1980-06-06 to 2006-03-28
La Primavera	LAPR	Baja California	30.5000N	112.3198W	233	
La Pryor	LP-TX	Texas,U.S.A.	29.1797N	99.6764W	274	From 1961-11-27 to 1962-05-16
La Pryor	LP-	Texas,U.S.A.	29.1797N	99.6764W	274	From 1961-11-27 to 1962-05-16
Lapseki	LPK	Turkey	40.3727N	26.7602E	200	
Lapseki, ANAKKALE	LAPS	Turkey	40.2522N	26.8386E	450	From 2019-12-07

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
La Puebla de Cazalla (Sevilla)	E1302	Spain	37.1330N	5.2438W	300	From 2019-09-18
La Puerta, CPO	CPOMX	Baja California	32.3850N	115.2950W	14	
Lapu-Lapu	LLP	Cebu,Philippines	10.3170N	123.9660E	135	
La Punta	BO04	O'Higgins	33.9890S	70.6092W	687	From 2015-09-25
La Quiaca	LQA	Jujuy,Argentina	22.1033S	65.6033W	3464	
L'Aquila	AQU	Italy	42.3539N	13.4019E	729	From 1952-01-01
L'Aquila	T0103	Italy	42.3618N	13.4245E	849	From 2009-04-06 to 2009-06-12
La Quinta	LAQC	California,U.S.A.	33.6280N	116.2800W	49	
LAR	LAR1	Iran	27.6694N	54.3746E	785	From 2014-01-22
La Rabassa	ARBS	Andorra	42.4467N	1.5490E	2145	From 2009-10-20
Laramie	LAR	Wyoming,U.S.A.	41.3144N	105.5830W	2400	From 1954-01-01 to 1977-12-31
Laramie	M23A	Wyoming,U.S.A.	41.4680N	105.7221W	2166	From 2008-07-15 to 2010-05-13
Larch Mountain	VLMM	Oregon,U.S.A.	45.5385N	122.0390W	1158	
Laredo	933A	Texas,U.S.A.	27.6133N	99.2746W	214	From 2010-01-07 to 2011-11-16
La Regadera-Sumapaz	RGSC	Colombia	4.3682N	74.1863W	3266	From 2016-06-18
Lares	LRS	Puerto Rico	18.2914N	66.8446W	455	From 1977-02-15
La Restinga, El Hierro	CRST	Canary Islands,Spain	27.6424N	17.9828W	30	From 2011-07-01
La Restinga, El Hierro	CNAO	Canary Islands	27.6470N	17.9883W	118	From 2016-03-29
La Rica Arriba, N13	TUN13	Nicaragua	13.5740N	85.8526W	524	
Larino	LRNO	Italy	41.8066N	14.9201E	409	From 2018-08-22
Larino (CB)	T1414	Italia	41.8199N	14.8976E	290	From 2018-08-30
LARINO CB	LAR25	Italy	41.8006N	14.9116E	340	From 2018-08-18
Larissa	LAR4	Thessaly,Greece	39.6422N	22.4219E	84	From 2011-05-01
Larissa	LAR5	Thessaly,Greece	39.6404N	22.4105E	93	From 2011-05-01
Larissa Observatory	LRSO	Greece	39.6713N	22.3917E	78	From 2011-07-06
Larnaka City Center	LAR1C	Cyprus	34.9244N	33.6156E	22	From 2018-01-01
La Roca	LARC	Costa Rica	9.7085N	84.0123W	2040	
La Roca	LARO	Costa Rica	9.7052N	84.0235W	2107	
La Roca, LAR	LARCR	Costa Rica	9.7052N	84.0073W	2107	
La Rochela, LAR	LARU	Venezuela	7.7180N	71.4660W	289	
La Roche-sur-Yon	LRYF	Poitou-Charentes,France	46.5787N	1.5472W	67	
La Romaine 2 Dam	LRQ1	Quebec,Canada	50.6656N	63.2310W	253	From 2014-05-28
La Romaine 2 Dam Dyke F2,	LRQ2	Quebec,Canada	50.6485N	63.2786W	161	From 2014-05-29
La Romaneta	ROMA	Spain	38.3883N	0.9182W	480	
Laroque-de-Fa	LRDF	Languedoc-Rousillon,France	42.9378N	2.5387E	400	From 2003-04-01
La Rosa de Castilla, RDC	RDCC	Baja California	32.0475N	116.1268W	1196	
Larrau	LARF	Aquitaine,France	43.0380N	0.9875W	670	From 1997-10-30
Larrimah, NT	LAROZ	Northern Territory	15.5729S	133.2128E	186	From 2018-07-16
Larroussi	LRO	Morocco	31.8370N	9.1500W	135	
Larsen Ranch, Manila	N18A	Utah,U.S.A.	40.9763N	109.6731W	1893	From 2007-07-24 to 2009-04-23
Larsen Ranch, Promontory	M15A	Utah,U.S.A.	41.4632N	112.4477W	1348	From 2007-02-12 to 2009-04-08
La Rua	ERUA	Spain	42.3927N	7.1425W	431	From 1987-05-01
La Rumorosa	RMX	Baja California,Mexico	32.6025N	116.0786W	1420	
La Rusia	RUSC	Colombia	5.8925N	73.0832W	3697	From 1994-01-01
Lasa Array	LA0	Montana,U.S.A.	46.6885N	106.2231W	902	
Lasa Array	LASA	Montana,U.S.A.	46.6885N	106.2231W	902	
LASA Array	LAO	Montana,U.S.A.	46.6885N	106.2231W	902	From 1966-01-01
LASA B Ring	LB4	Montana,U.S.A.	46.7681N	106.2430W	717	From 1966-01-01 to 1999-08-25
LASA B Ring	LB1	Montana,U.S.A.	46.7522N	106.0920W	754	From 1966-01-01 to 1999-08-25
LASA B Ring	LB2	Montana,U.S.A.	46.6350N	106.1630W	694	From 1966-01-01 to 1999-08-25
LASA B Ring	LB3	Montana,U.S.A.	46.6592N	106.3170W	723	From 1966-01-01 to 1999-08-25
LASA C Ring	LC3	Montana,U.S.A.	46.5742N	106.2500W	682	From 1966-01-01 to 1978-06-30
LASA C Ring	LC4	Montana,U.S.A.	46.7353N	106.3740W	764	From 1966-01-01 to 1978-06-30
LASA C Ring	LC1	Montana,U.S.A.	46.8394N	106.1270W	719	From 1966-01-01 to 1999-08-25
LASA C Ring	LC2	Montana,U.S.A.	46.6694N	106.0130W	779	From 1966-01-01 to 1978-06-30
LASA D Ring	LD3	Montana,U.S.A.	46.5497N	106.4800W	800	From 1966-01-01 to 1999-08-25
LASA D Ring	LD2	Montana,U.S.A.	46.5031N	106.0110W	661	From 1966-01-01 to 1978-06-30
LASA D Ring	LD4	Montana,U.S.A.	46.9419N	106.3830W	713	From 1966-01-01 to 1978-06-30
LASA D Ring	LD1	Montana,U.S.A.	46.8397N	105.8890W	759	From 1966-01-01 to 1978-06-30
LASA E Ring	LE4	Montana,U.S.A.	46.7608N	106.9170W	803	From 1966-01-01 to 1974-01-01
LASA E Ring	LE3	Montana,U.S.A.	46.1494N	106.3340W	761	From 1966-01-01 to 1974-01-01
LASA E Ring	LE1	Montana,U.S.A.	47.1628N	106.0560W	686	From 1966-01-01 to 1974-01-01
LASA E Ring	LE2	Montana,U.S.A.	46.5128N	105.3650W	610	From 1966-01-01 to 1974-01-01
LASA F Ring	LF1	Montana,U.S.A.	47.3708N	105.1880W	740	From 1966-01-01 to 1974-01-01
LASA F Ring	LF3	Montana,U.S.A.	45.9728N	107.0820W	837	From 1966-01-01 to 1974-01-01
LASA F Ring	LF4	Montana,U.S.A.	47.4111N	106.9440W	707	From 1966-01-01 to 1974-01-01
LASA F Ring	LF2	Montana,U.S.A.	45.9094N	105.4860W	754	From 1966-01-01 to 1974-01-01
La sagne	SALSA	Provence-Cote d'Azur	43.8810N	6.6888E	1186	From 2017-01-06
La Salvetat-Peyrales	SLVF	Midi-Pyrenees	44.1912N	2.1642E	139	From 2015-07-13
Las Animas	S27A	Colorado,U.S.A.	37.6837N	102.8982W	1439	From 2008-12-15 to 2010-11-08
Las Aradas	LHAH	Honduras	14.0500N	87.4083W	1650	
Las Brisas	LBRS	El Salvador	13.7383N	89.0433W	770	From 1991-12-01
Las Campanas	LCO	Coquimbo,Chile	29.0111S	70.7010W	2299	
Las Canadas	CCAN	Canary Islands,Spain	28.2237N	16.6070W	2250	
Las Colinas, F4	TUF4	Nicaragua	11.8426N	86.2553W	528	
Las Cruces	MCRU	Mexico D.F.	19.3202N	99.2553W	2744	
Las Cruces	LC-NM	New Mexico,U.S.A.	32.4022N	106.5994W	1585	
Las Cruces	LC-	New Mexico,U.S.A.	32.4022N	106.5994W	1585	
Las Cruces	LCCH	Santiago,Chile	33.4753S	71.5697W	180	From 1987-11-17
Las Cuatro Esquinas, F2	TUF2	Nicaragua	12.4967N	86.8525W	144	
La Serena	LSCH	Coquimbo,Chile	29.9080S	71.2450W	52	
La Serena	CO05	Coquimbo	29.9186S	71.2384W	101	From 2015-04-02
Las Esperanzas	ESPN	Nicaragua	12.1950N	84.3002W	45	
La Seu d''Urgell	EXSEU	Spain	42.3580N	1.4599E	707	
Las Flores	FLS	Guatemala	13.8943N	90.0658W	180	
Las Flores	AIES	El Salvador	13.4471N	89.0508W	39	
Las Granadillas	GRDS	El Salvador	13.7583N	89.2917W	1500	From 1991-12-01
Lasithi	LAST	Crete,Greece	35.1611N	25.4786E	870	
Lasjerd	ILAS	Iran	35.3822N	52.9589E	2195	From 1999-05-01
Las Juntas de Abangares	JTS	Costa Rica	10.2908N	84.9525W	340	From 1995-04-23
Las Lajas	LJX	Veracruz,Mexico	19.5383N	97.1492W	3050	From 1983-04-01
Las Lilas	GBS2	Costa Rica	10.8370N	85.4527W	392	From 2000-01-01
Las Lomas, Chiriqui	LOMA3	Panama	8.4310N	82.3910W	83	From 2010-01-01
Las Malvinas	LAMA	Mendoza	34.9352S	69.2120W	500	
Las Melosas	LMEL	Santiago,Chile	33.8476S	70.2034W	1540	
Las Mercedes	EDLM	Costa Rica	9.2790N	83.5890W	629	
Las Mercedes	LMGC	Cuba	20.0640N	77.0050W		
Las Mercedes	MERV	Venezuela	9.2510N	66.2970W	156	From 2001-11-16
Las Mesas	LSP	Puerto Rico	18.1757N	67.0858W	389	From 1975-11-14
Las Mesas	LSP2	Puerto Rico	18.1458N	66.9811W		
Las Morras, Villanueva del Duque, Cordoba	E031	Spain	38.3393N	4.9967W	691	From 2007-09-23 to 2009-06-16
Las Neceidas	BIS1	Colombia	4.8943N	75.3393W	5030	
Las Nubes	NUBE	El Salvador	13.9022N	89.7799W	1311	From 2014-06-02
Las Nubes	LNB	Nicaragua	12.0328N	86.2532W	640	From 1983-01-01
Las Nubes	NBG	Guatemala	14.5875N	90.3467W	2200	
Las Ollas	OLLA	Venezuela	10.0189N	66.8039W	947	From 1984-01-01
La Souterraine	LSF	Limousin,France	46.2500N	1.5294E	430	
Las Palmas La Amistad	LPLA	Costa Rica	9.0290N	83.0080W	1392	From 2015-02-11 to 2015-11-30
Las Pataguas	G01S	Maule	33.4803S	71.5358W	221	
Las Pavas	PAVA	El Salvador	13.7132N	88.9372W	1029	From 2012-02-14
Las Peas - Esmeraldas	ESM1	Ecuador	1.0965N	79.1617W	10	From 2017-09-22
LAS PENAS INFRASONIC ARRAY REFERENCE POINT	I08BO	Bolivia	16.2152S	68.4535W	4096	From 2000-01-03
Las Piedras Blancas, N2	TUN2	Nicaragua	12.2329N	86.7013W	46	
Las Pilas	BRAN	Nicaragua	12.7200N	86.3500W	83	
Las Pilas, N5	TUN5	Nicaragua	12.5113N	86.5940W	105	
Lassiter	DY2	Tennessee,U.S.A.	36.3302N	89.3520W	110	From 1969-01-01 to 1970-12-31
Las Tabladas, Isla de El Hierro	CTAD	Canary Islands,Spain	27.7494N	18.0850W	147	From 2011-07-18
Last Change Range	LCH	California,U.S.A.	37.2330N	117.6450W	1414	
Last Nowhere	ST40	Xizang Zizhiqu,China	33.8146N	88.3070E	4964	From 1998-07-12 to 1999-06-04
Lastovo	LSTV	Croatia	42.7686N	16.8919E	130	From 2014-04-02
Las Vegas	LVW	Nevada,U.S.A.	36.1700N	115.1880W	654	
Las Vegas	LVN	Nevada,U.S.A.	36.1092N	115.1400W	610	From 1960-01-01 to 1970-12-31
Las Vizcachas	MT15	Metropolitana	33.5990S	70.5060W	777	From 2017-10-27
Latacunga	ALAT	Ecuador	0.9264S	78.6183W	2777	From 2011-10-21
La Tejera, N11	TUN11	Nicaragua	13.1963N	86.1304W	1098	
Laterza	LTRZ	Italy	40.6033N	16.8191E	381	
Laterza	LATE	Italy	42.6137N	11.8040E	610	From 2006-05-04
Latheron	MLA1	Scotland,United Kingdom	58.3055N	3.3627W	188	From 1981-01-01
Lathrop	P37A	Missouri,U.S.A.	39.5882N	94.3491W	300	From 2010-11-27 to 2012-09-25

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
La Thuile	THUI	Italy	45.6825N	6.9320E	2323	From 2012-06-28
Lathuile, 74147, Haute-Savoie, Auvergne-Rhone-Alpes	A178A	France	45.8107N	6.2004E	660	From 2016-09-09
Latina	LATB	Italy	41.4939N	12.9624E	-187	From 2012-11-21
La Tirana	TIRA	Chile	20.3299S	69.5717W	1020	From 2009-12-05
Latisana	LTSN	Italia	45.7929N	13.0191E	52	From 2019-02-13
La Tortuga	TORT	Venezuela	10.9084N	65.3139W	40	From 1984-01-01 to 1999-08-25
Latouche	LTI	Alaska,U.S.A.	60.0405N	147.8540W	302	From 1988-07-01
La Tour-de-Pellz	NOV4	Switzerland	46.4475N	6.8598E	380	From 2010-02-09
Latrape	LATF	Midi-Pyrenees	43.2347N	1.3091E	300	From 2019-01-01
Latrobe	ALAM	California,U.S.A.	38.5667N	120.9560W	293	
Lattarico	LATT	Italy	39.4418N	16.2298E	200	From 2019-10-01
La Tuque	LATQ	Quebec,Canada	47.3836N	72.7819W	163	From 2007-09-14
Latur	LATR	Maharashtra,India	18.4163N	76.5595E		
Lauchernalp	LAUCH	Raron,Switzerland	46.4155N	7.7717E	2160	From 2010-11-17
Laudat, Dominica	DLDT	Dominica	15.3310N	61.3480W	538	From 2019-04-15
Lau de Morge, St.Gingolph, VS	NVL1	Switzerland	46.3616N	6.7736E	1172	From 2019-05-28
Laukkuluspa	RATU	Sweden	67.8240N	19.5913E	481	
La Union	UON	Guerrero,Mexico	17.9700N	101.8150W		
LA UNION	EC11	Ecuador	0.8139N	79.8630W	32	From 2016-05-11
Laupahoehoe	LPH	Hawaii,U.S.A.	19.9972N	155.4042W	6	
Laupendahl	LAUG	Nordrhein-Westfalen,Germany	51.3510N	6.9440E	140	From 2004-08-01
Lau Rambong	LARI	Sumatera,Indonesia	2.8856N	98.1572E	820	
Laurance Lake	VLL	Oregon,U.S.A.	45.4633N	121.6790W	1195	From 1980-10-01
La Urbina	LAU	Venezuela	7.9110N	71.7080W	1810	
Laurel	LL-MS	Mississippi,U.S.A.	31.7214N	89.3558W	91	From 1966-11-14 to 1966-12-03
Laurel	LL-	Mississippi,U.S.A.	31.7214N	89.3558W	91	From 1966-11-14 to 1966-12-03
Laurel Creek	LRCG	California,U.S.A.	37.5857N	118.9090W	2780	From 1984-07-01
Laurel Creek Canyon	MLCM	California,U.S.A.	37.6121N	118.9153W	2471	
Laurel Hill	JLAB	California,U.S.A.	37.1543N	121.7347W	318	
Laurel Hill	JLAM	California,U.S.A.	37.1543N	121.7340W	308	
Laurel Mtn Radio Fac, Ridgecrest	LRMC	California,U.S.A.	35.4795N	117.6821W	1340	From 1992-07-29
La Uribe, Meta	URMC	Colombia	3.2470N	74.3790W	725	From 2018-04-03
Laurium	LVRA	Greece	37.7120N	24.0552E	5	
Lausanne EPFL	SEPFL	Switzerland	46.5212N	6.5657E	369	From 2011-10-01
L'Aution	AUTN	Provence-Cote d'Azur,France	43.9955N	7.4275E	2065	
Laux Farm, Auxvasse	Q40A	Missouri,U.S.A.	38.9946N	92.0748W	275	From 2010-12-06 to 2012-09-13
Lava2-Rev Volc	LAV2	Ecuador	0.0848S	77.6438W	2680	From 2002-03-08 to 2003-09-01
Lava3-Reventador	LAV3	Ecuador	0.0967S	77.6323W	2210	From 2004-11-09 to 2008-08-12
Lava4-Reventador	LAV4	Ecuador	0.0925S	77.6292W	2218	From 2008-08-13
Lava Cap Winery, Placerville	LAVA	California,U.S.A.	38.7552N	120.7395W	828	From 2004-12-09 to 2007-12-08
Lava Point	LVA	Alaska,U.S.A.	54.1609N	166.0338W	457	
Lavey les Bains, Waadt, VD	LAVEY	Switzerland	46.2000N	7.0228E	423	From 2017-12-04
Lavic	LAVC	California,U.S.A.	34.7658N	116.2865W	902	
La Victoria	E58A	Quebec,Canada	46.3721N	73.2771W	233	From 2013-07-30
La Victoria	LVG	Guatemala	14.9662N	91.0950W	2020	From 1978-06-01 to 1999-08-25
La Villa de Los Santos	LVS	Panama	7.9270N	80.4166W	37	From 2001-08-14
La Villita	LVGX	Guerrero,Mexico	18.0450N	102.1750W		
Lavrentia	LAVR	The Chukotsky Autonomous Okrug,Russia	65.5850N	171.0120W	18	From 2005-12-15
Lawnview Circle Danville	C027	California,U.S.A.	37.7935N	121.9797W	135	From 2009-09-21
Lawrence	LAK	Kansas,U.S.A.	39.0463N	95.2045W	326	From 1977-08-14 to 2001-07-15
Lawrence	LAW	Kansas,U.S.A.	38.9594N	95.2500W	260	From 1909-01-01 to 2001-07-15
Lawson Adit, UC Berkeley, California	ADIT	California,U.S.A.	37.8700N	122.2600W	75	From 2014-06-15
Lawton	X33A	Oklahoma,U.S.A.	34.5410N	98.5006W	346	From 2009-10-24 to 2011-09-04
Lawton Elementary School	LAWT	Washington,U.S.A.	47.6565N	122.3894W	111	
Laxson Ranch, Crystal City	732A	Texas,U.S.A.	28.7292N	99.9707W	178	From 2009-02-16 to 2011-01-20
La Yayitas	DR11	Dominican Republic	18.4719N	70.2346W	780	
Layou Valley	DLVT	Dominica	15.4365N	61.3946W	274	
Lazarev	LZR	Khabarovskiy Kray,Russia	52.1700N	141.5000E	20	From 1979-12-01 to 1994-03-01
Lazarevskoye	LZRR	Krasnodarskiy Kray	43.9350N	39.3798E	180	From 2011-07-31 to 2017-11-17
Lazaro Cardenas	LAZM	Michoacan,Mexico	18.0360N	102.2050W		
Lazići	BBLS	Serbia	43.8660N	19.4050E	882	From 1996-01-24
Lazi, Siquijor	LSIP	Philippines	9.1310N	123.6310E	35	From 2016-02-24
Lazy	LACW	Czech Republic	50.0508N	12.6250E	838	From 1994-01-01
Lazy 6 Ranch, Villanueva	W24A	New Mexico,U.S.A.	35.2106N	105.4075W	1902	From 2008-05-03 to 2010-04-05
Lazy B Ranch	DUN6	Arizona,U.S.A.	32.5538N	109.0901W	1259	From 2016-01-01
Lazy EL Ranch, Roscoe	G18A	Montana,U.S.A.	45.3171N	109.5631W	1699	From 2007-10-28 to 2009-09-15
Lazy Trails Angus Ranch, Wood Lake	K29A	Nebraska,U.S.A.	42.7612N	100.3182W	840	From 2009-06-01 to 2011-04-08
Lazy VL Ranch, Encino	X24A	New Mexico,U.S.A.	34.5646N	105.4349W	1917	From 2008-04-26 to 2010-03-13
LCR	LCRM	Morocco	33.6860N	4.8580W	1461	
LDL	LDL	Djibouti	11.5827N	42.4993E	117	
Le@15oga@12ne	LGNH	Haiti	18.5110N	72.6058W	62	
Leachville	LVAR	Arkansas,U.S.A.	35.9146N	90.2221W	71	
Lead	LEA	South Dakota,U.S.A.	44.3333N	103.8170W		
Lead Mine Pass	HKLM	Hong Kong,China	22.4121N	114.1588E	300	From 1997-04-23
Lead Mountain	LED	California,U.S.A.	34.4677N	115.9360W	853	From 1974-04-01
Leadore	H14A	Idaho,U.S.A.	44.6165N	113.3674W	1933	From 2007-08-16 to 2009-06-05
Leadville	LDV	Nevada,U.S.A.	41.0975N	119.3910W	1798	From 1974-03-01 to 1976-05-31
Leadville, N13	NCR13	Colorado	39.2347N	106.3040W	3071	
Leamington	P15A	Utah,U.S.A.	39.5708N	112.2786W	1576	From 2007-05-23 to 2009-04-11
Leaning Rock	LRCZ	South Island,New Zealand	45.0637S	169.3463E	1533	From 1987-01-31 to 1996-04-27
Leavenworth	C06D	Washington,U.S.A.	47.9229N	120.8943W	544	
Lebam	E03A	Washington,U.S.A.	46.5459N	123.5632W	72	From 2005-10-26 to 2009-01-08
Lebanon	S40A	Missouri,U.S.A.	37.5988N	92.5014W	336	From 2010-12-11 to 2012-09-13
Lebanon	LB-	New Hampshire,U.S.A.	43.6208N	72.2756W	274	From 1962-06-14 to 1962-06-28
Lebanon	LB-NH	New Hampshire,U.S.A.	43.6208N	72.2756W	274	From 1962-06-14 to 1962-06-28
Lebanon	H04D	Oregon,U.S.A.	44.5234N	122.7377W	284	From 2010-08-12
Lebel-sur-Quevillon	LSQQ	Quebec,Canada	49.0580N	76.9796W	308	From 2009-09-13
Lebrija	VMM09	Colombia	7.1269N	73.2898W	1079	From 2015-10-02
Lebyazhka	LBGK	Orenburgskaya Oblast',Russia	52.0254N	53.5853E	148	From 2013-07-27
Le Caire	OG25	Provence-Cote d'Azur,France	44.3698N	6.0735E	1060	
Le Caire, 04037, Alpes-de-Haute-Provence, Provence-Alpes-Cote d'Azur	A217A	France	44.3701N	6.0733E	1087	From 2016-08-03
Lecce	LCCE	Italy	40.3559N	18.1996E	80	From 2019-11-05
Lecce	LCI	Italy	40.3346N	18.1120E	46	
Lecco	LEC	Italy	45.8612N	9.4112E	231	From 2010-01-13
Lechaina	LCHA	Greece	37.9374N	21.2636E	5	
Le Croseau, ST.Gingolph, VS	NVL2	Switzerland	46.3882N	6.8063E	477	From 2019-05-28
Le Cuvier	LCUV	California	35.6520N	120.7322W	407	From 2017-06-01
Ledoux Ranch, Antler	A27A	North Dakota,U.S.A.	48.9533N	101.2407W	466	From 2009-08-08 to 2011-07-21
Leeds	LEE	Utah,U.S.A.	37.2430N	113.3767W	1097	From 1963-04-01 to 1999-08-25
Leeds	LDS	Utah,U.S.A.	37.2425N	113.3514W	1101	
Leeds University	LDU	England,United Kingdom	53.8025N	1.5553W	230	From 1983-01-01
Lee Faris, Mount Ayr	N37A	Iowa,U.S.A.	40.7582N	94.2095W	351	From 2010-10-27 to 2012-09-11
Leeston	CCH4	South Island	43.7862S	172.2616E	32	
Leesville	635A	Texas,U.S.A.	29.3877N	97.7736W	119	From 2009-12-17 to 2011-10-08
Lee's Yard	MLYT	Montserrat	16.7213N	62.1910W	355	
Lee Vining	R07C	California,U.S.A.	38.0890N	119.0469W	1996	From 2005-08-03 to 2007-10-02
Lefka	LEF	Cyprus	35.1193N	32.8903E	130	From 1998-01-14
Lefkada island	LKD2	Greece	38.7889N	20.6578E	485	From 2008-06-02
Lefkada island	EVGI	Greece	38.6210N	20.6560E	249	From 2012-07-04
Lefkas	LEF2	Greece	38.8302N	20.7081E	5	From 2011-05-01
Lefkimmi	LFKM	Greece	39.4465N	20.0608E	1	From 2018-11-17
Lefkose	LFK	Cyprus	35.2792N	33.5325E	690	From 1987-01-01
Legarje	LEGS	Slovenia	45.9488N	15.3177E	390	
Legaspi	LGP	Luzon,Philippines	13.1562N	123.7340E	19	From 1975-10-01
Legaspi	LEG	Luzon,Philippines	13.1333N	123.7333E	19	
Leghorn	LIV	Italy	43.5333N	10.3000E		
Legoe Bay, Lummi Island	A04A	Washington,U.S.A.	48.7197N	122.7070W	23	From 2004-09-19 to 2008-02-19
Legon	LEGH	Ghana	5.6483N	0.1814W	91	
Legon	LGG	Ghana	5.6483N	0.1967W	137	From 1976-11-01 to 1986-12-31
LEH	LEH	Jammu and Kashmir	34.2130N	77.1840E	3135	From 2018-06-06
Lehigh University	LUPA	Pennsylvania,U.S.A.	40.5987N	75.3718W	255	From 2006-01-08
Lehliu	LEHL	Romania	44.4739N	26.8194E	90	From 2012-10-31
Leibel Peak	WLPM	California,U.S.A.	35.5077N	118.4090W	2265	
Leigh Creek	LCRK	South Australia,Australia	30.4472S	138.2162E	184	From 2013-07-17
Leinawald	ABG1	Thuringen,Germany	50.9653N	12.5721E	203	From 2012-10-25
Leipzig	LEI	Sachsen,Germany	51.3350N	12.3917E	113	
Leirfjorden	LEIR	Norway	66.1118N	13.1151E	91	From 2018-11-28
Leirgulen	N2B6	Norway	61.8640N	5.3060E	20	
Leirhofn	ILEI	Iceland	66.4070N	16.4900W	41	From 1993-10-24

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Lekhapani	LKP	Assam,India	27.3330N	95.8461E	139	
Lekule Girls SS	LN15	Tanzania	2.6279S	36.1846E	1327	From 2013-01-20 to 2014-12-03
Lemala Gate	NG55	Tanzania	3.1418S	35.6870E	2369	From 2013-01-17 to 2014-12-05
Le Mans	LMF	Pays de la Loire,France	48.0000N	0.2000E	77	
Le Marinel	LMA	Democratic Republic of the Congo	10.3000S	25.4000E		
Le Mars	K34A	Iowa,U.S.A.	42.6865N	96.0957W	436	From 2010-07-27 to 2012-04-26
Lembach	LEMB	Alsace	49.0339N	7.7589E	249	From 2015-01-01
Lembang	LEM	Jawa,Indonesia	6.8266S	107.6175E	1293	From 1954-01-01
Lemhi Junction	LJI	Idaho,U.S.A.	43.8208N	112.8440W	1600	From 1990-05-15
Lemitar	LENM	New Mexico,U.S.A.	34.1655N	106.9740W	1698	
Lemmon	F27A	South Dakota,U.S.A.	45.8727N	102.0203W	757	From 2009-07-19 to 2011-05-06
Lemond, Waseca	I37A	Minnesota,U.S.A.	44.0148N	93.4003W	371	From 2010-10-09 to 2012-09-10
Lemonthyme	LMT	Tasmania,Australia	41.6100S	146.1520E	349	From 1969-09-25 to 1971-08-06
Le Moule	GLMO	Guadeloupe,France	16.3324N	61.3513W	5	From 2005-02-01
Le Moulin, Savigny, Haute-Savoie, FR	SAVIG	France	46.0659N	5.9734E	529	From 2017-09-15
LENE	LENE	Germany	53.0910N	11.4780E	20	
Leninakan	LEN	Armenia	40.7667N	43.8500E	1522	
Leninskoye	LNSK	Kazakhstan	50.7300N	57.9000E	355	From 1974-07-01
Lenk, BE	RAW1	Switzerland	46.4212N	7.4371E	1240	From 2016-09-08
Lenkeran, Azerbaijan	LKRN	Azerbaijan	38.7100N	48.7790E	65	From 2003-03-29
Lennox	LTN	Tennessee,U.S.A.	36.0630N	89.4950W		From 1977-08-01 to 1992-12-31
Lenox	LNXT	Tennessee,U.S.A.	36.1014N	89.4913W	144	
Lenox	LNX	Massachusetts,U.S.A.	42.3389N	73.2724W	345	
Lentariana Chania	LENT	Crete	35.5074N	24.0402E	76	From 2015-06-01
Lentini	HLNI	Sicily,Italy	37.3480N	14.8720E	95	From 1994-05-01
Lenzkirch (DE)	BERGE	Baden-Wurttemberg,Germany	47.8718N	8.1783E	925	From 2012-09-03
Leoben	LTA	Austria	47.4033N	15.0761E	840	
Leola	F30A	South Dakota,U.S.A.	45.8356N	99.0250W	601	From 2009-09-08 to 2011-07-28
Leola	LAL	Alabama,U.S.A.	34.4367N	87.3372W	320	From 1989-03-28
Leon	LNM	Jalisco,Mexico	21.1167N	101.6675W	1800	
Leon	LEON	Nicaragua	12.4160N	86.8925W	160	
Leonard	LNO2	Oklahoma,U.S.A.	35.9125N	95.7892W	-171	From 1992-01-01
Leonard	LNO	Oklahoma,U.S.A.	35.9125N	95.7892W	-487	From 1988-12-07
Leonard	TUL3	Oklahoma,U.S.A.	35.9105N	95.7918W	265	From 2017-04-25
Leonard	LNO3	Oklahoma,U.S.A.	35.9125N	95.7892W	257	From 1992-01-01
Leonard	TUL1	Oklahoma,U.S.A.	35.9104N	95.7919W	253	From 2008-10-16
Leonardtown, MD	R60A	Maryland,U.S.A.	38.2684N	76.5807W	33	From 2013-04-18
Leona Valley	LEOC	California,U.S.A.	34.6313N	118.3040W	1073	
Leon Cerro Gordo	LCG	Guanajuato,Mexico	21.1450N	101.7250W	2200	From 1968-03-01
Leoncito	LEO	San Juan,Argentina	31.7997S	69.3353W	2400	
Leoncito	RTLS	San Juan,Argentina	31.7989S	69.2969W	2560	
Leonessa	LSS	Italia	42.5582N	12.9689E	1067	From 2001-04-12
Leonessa	LNSS	Italy	42.6029N	13.0403E	1155	From 2004-05-10
Leonidio	LEO1	Greece	37.1688N	22.8637E	54	From 2011-09-01
Leonidio, PE07	PE07E	Greece	37.1478N	22.8195E	528	
Leontio	S013	Greece	37.8060N	22.5930E	451	
Leota Junior High School	LEOT	Washington,U.S.A.	47.7679N	122.1151W	155	
Leova	LEOM	Moldova	46.4733N	28.2467E	52	From 1982-01-01
Lepanto	LPAR	Missouri,U.S.A.	35.6019N	90.3002W	66	
Lepanto, Puntarenas	LEPA	Costa Rica	9.9453N	85.0312W	17	From 2000-01-01
Le Parnasse	PAG	Guadeloupe,France	16.0297N	61.6800W	670	From 1950-01-01
Lepaterique	LTH	Honduras	14.0708N	87.3458W		From 1990-01-01
Le Pertre	LPF	Bretagne,France	48.0315N	1.0408W	156	
Le Peyrat	LPEF	Midi-Pyrenees,France	42.9485N	1.9077E	440	From 1998-10-20
Lephalale	LEP	Transvaal,South Africa	23.6497S	27.7468E	840	
Lephalale, Limpopo Province, South Africa	LEPH	South Africa	23.8582S	27.7973E	963	From 2016-06-30
Lephephe	LPHEP	Botswana	23.3630S	25.8597E	1020	
Le Pouchou	LPO	Midi-Pyrenees,France	44.6831N	1.1869E	330	
Le Pradet	MIGAL	France	43.0804N	6.0324E	102	From 2017-07-07
Lerchenberg	LBG	Baden-Wurttemberg,Germany	48.6639N	8.7954E	594	From 1995-01-01 to 2016-12-31
Leresti	LRR	Romania	45.4403N	25.0750E	700	From 1989-01-01
Lerida	LER	New South Wales,Australia	34.9344S	149.3640E	700	From 1970-01-01 to 1995-01-01
Lerik	LRK	Azerbaijan	38.6430N	48.3400E	1592	From 2009-11-25
Lermontov	LMTZ	Armenia	40.7570N	44.6440E	1810	
Lernakert	LERZ	Armenia	40.5670N	43.9500E	1990	
Lernantsk	LRNS	Armenia	40.7800N	44.2667E	1905	
Lernapar	LYES	Armenia	40.7467N	44.1633E	2170	
Lernavan	LERS	Armenia	40.7783N	44.1517E	1820	
Le Roux Dam	PKR	Orange Free State,South Africa	30.0033S	24.7417E	1267	
Leroy	Q53A	West Virginia,U.S.A.	38.8586N	81.5251W	310	From 2013-02-27
Lerwick	LRWS	Shetland Islands,United Kingdom	60.1397N	1.1831W	80	
Lerwick	LRW	Shetland Islands,United Kingdom	60.1360N	1.1779W	83	From 1978-01-01
Les Avellanes	CAVN	Spain	41.8827N	0.7518E	626	
les Blancs	BLAF	Provence-Cote d'Azur,France	43.9510N	6.0450E	590	From 2011-11-16
Les Buteaux	LBF	Bourgogne,France	46.9844N	3.9772E	715	
l'Escarene	ESCA	Provence-Cote d'Azur,France	43.8310N	7.3740E	550	From 2004-09-23
Lescure	LESF	Midi-Pyrenees,France	43.0311N	1.2839E	460	
Les Diablerets, Reservoir des Cretes, VD	RAW3	Switzerland	46.3606N	7.1678E	1565	From 2016-10-20
Lesego, Limpopo	LESE	South Africa	24.4152S	29.7445E	756	From 2015-01-01 to 2020-12-31
Les-Escoumins	LESQ	Quebec	48.3199N	69.4132W	0	From 2015-10-21
Les Eyzies	NE09	Aquitaine,France	44.8520N	0.9810E	160	From 1982-11-01 to 1986-02-28
Les Forges d'Abel	FDAF	France	42.8188N	0.5672W	1230	From 1998-05-20
les Granges de la Pia - Tende	PIAF	Provence-Cote d'Azur	44.1164N	7.6175E	937	
Leshukonskoye	LSH	Arkangel'skaya Oblast',Russia	64.8786N	45.7338E	60	From 2006-10-18
Lesken	LSNR	Severo-Osetinskaya,Russia	43.2780N	43.8260E	675	From 2004-06-23
Leskovik	LSK	Albania	40.1500N	20.6000E	922	From 1985-01-01
Lesnoe	LSN4	Sakhalinskaya Oblast',Russia	46.9580N	143.0311E	30	From 2002-01-01
Lesozavodsk	LES	Sakhalinskaya Oblast',Russia	44.7667N	147.1830E		
Lesparou	LSPF	Midi-Pyrenees,France	42.9481N	1.9042E	450	
Les Platons	JLP	Channel Islands,United Kingdom	49.2428N	2.1039W	131	From 1981-01-01
Les Rejaudoux	RJF	Limousin,France	45.3044N	1.5164E	410	From 1975-10-01
Les Rejaudoux	NE18	Limousin,France	45.3044N	1.5164E	410	From 1975-10-01 to 2001-07-28
Les Sairains Dessus	SAIRA	Switzerland	47.3027N	7.0865E	963	From 2011-11-24
Les Verrieres	BRANT	Switzerland	46.9380N	6.4730E	1145	From 2002-10-10
Lesvos island, N. Greece	LESV	Greece	39.1074N	26.5613E	20	From 2017-06-26 to 2018-08-19
Ltavrtes, Hungary	LTVH	Hungary	47.3849N	21.9006E	121	From 2012-05-30
Le Tonnare- Carloforte (CI)	SU10	Sardinia	39.1846N	8.3073E	16	From 2014-11-11 to 2015-09-07
Letterbox	LBXM	New South Wales,Australia	34.2721S	150.8736E	400	
Letur, Albacete	E034	Spain	38.2298N	2.1918W	1292	From 2008-06-03 to 2009-09-14
Leucamp	LEUC	Auvergne	44.7602N	2.5545E	487	From 2017-05-01
Leukerbad	LKBD	Switzerland	46.3870N	7.6271E	1550	From 1994-12-21
Leukerbad 2	LKBD2	Switzerland	46.3745N	7.6443E	2128	From 2001-07-05
Levan	LEVU	Utah,U.S.A.	39.5065N	111.8147W	1996	From 1992-01-01
Levan Peak	LVU	Utah,U.S.A.	39.4917N	111.8270W	2530	From 1978-01-01
Levanzo	LEVAN	Italy	37.9913N	12.3456E	73	From 2019-02-24
Leviamp	VLEVI	Vanuatu	16.1542S	167.2515E	43	
Levkas	LKD	Greece	38.7072N	20.6506E	1140	
Levy	LVY	Alaska,U.S.A.	64.2167N	149.2530W	230	From 1972-07-01
Lewis and Clark Caverns	LCCM	Montana,U.S.A.	45.8377N	111.8780W	1669	From 1983-03-01
Lewisberry	O58A	Pennsylvania,U.S.A.	40.1231N	76.9228W	321	From 2013-06-15
Lewisburg	LE-TN	Tennessee,U.S.A.	35.6347N	86.7672W	213	From 1962-10-17 to 1962-10-27
Lewisburg	S55A	West Virginia,U.S.A.	37.7724N	80.5013W	647	From 2013-01-29
Lewisburg	LE-	Tennessee,U.S.A.	35.6347N	86.7672W	213	From 1962-10-17 to 1962-10-27
Lewis, Hebrides	LEWI	Scotland,United Kingdom	58.1446N	6.8696W	279	From 2014-01-30
Lewis Ranch	BLRM	California,U.S.A.	36.6660N	121.2730W	232	From 1973-02-15
Lewistown	LT-	Pennsylvania,U.S.A.	40.3392N	78.0667W	396	From 1962-11-08 to 1962-12-12
Lewistown	LN-MA	Montana,U.S.A.	47.2119N	109.1489W	1448	
Lewistown	LT-PA	Pennsylvania,U.S.A.	40.3392N	78.0667W	396	From 1962-11-08 to 1962-12-12
Lexington	LEX	Virginia,U.S.A.	37.7894N	79.4417W	311	From 1971-05-01 to 1977-12-31
Lexington	LEK	Kentucky,U.S.A.	38.0361N	84.5050W	299	From 1974-10-01 to 1976-05-31
Lexington Res.	JLXM	California,U.S.A.	37.2018N	121.9860W	244	From 1975-02-04
Lexington Reservoir	LXR	California,U.S.A.	37.2018N	121.9860W	244	From 1975-02-04
L&G Farms, Chester	B17A	Montana,U.S.A.	48.2921N	110.7988W	894	From 2007-11-15 to 2009-09-05
Lhasa	LSA	Xizang Zizhiqu,China	29.7000N	91.1500E	3789	
Lhasa	LHA	Xizang Zizhiqu,China	29.6367N	91.0367E	3789	
Lhatse, Xizang Zizhiqu	LAZE	Xizang Zizhiqu,China	29.1403N	87.5922E	4011	From 2002-07-21 to 2002-10-27
Lhers	LHE	Aquitaine,France	42.9130N	0.6213W	1070	
Lhok Sumawe	LHMI	Sumatera,Indonesia	5.2288N	96.9472E	3	From 2008-02-29
L'Hospitalet-du-Larzac	LAJAS	Languedoc-Rousillon	43.9700N	3.2200E	710	From 2012-12-13

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Liard River	LR9	British Columbia,Canada	59.4483N	126.1750W	610	
Liard River Highway Maintenance Camp	LIRD	British Columbia,Canada	59.4098N	126.0986W	439	From 2016-06-11
Libby	B12A	Montana,U.S.A.	48.4694N	115.5889W	764	From 2006-09-23 to 2009-08-07
Libby Dam	LDM	Montana,U.S.A.	48.4539N	115.3170W	838	From 1970-02-22 to 2004-03-11
Liberia	LIBE	Costa Rica	10.6168N	85.4519W	194	
Liberia	ERIA	Costa Rica,Costa Rica	10.6343N	85.4398W	164	
Liberia Airport	ALIBA	Costa Rica,Costa Rica	10.5930N	85.5455W	72	
Liberty	LTY	Washington,U.S.A.	47.2578N	120.6703W	970	
Liberty	LI-	Nevada,U.S.A.	38.3061N	117.2917W	1829	
Liberty	LI-NV	Nevada,U.S.A.	38.3061N	117.2917W	1829	
Liberty Center	M49A	Ohio,U.S.A.	41.4745N	83.9752W	203	From 2012-07-17 to 2017-05-16
Liberty Hill	LHS	South Carolina,U.S.A.	34.4762N	80.8062W	120	From 1974-05-20
Liberty Lake	OK029	Oklahoma,U.S.A.	35.7966N	97.4549W	333	From 2014-02-13
Licata	CLTA	Sicily,Italy	37.1578N	13.9620E	182	From 2012-05-25
Liceo Cantonale, Bellinzona	EBELL	Switzerland	46.1966N	9.0139E	225	From 2010-11-24
Lichensteins Rd	LIRZ	North Island,New Zealand	38.0032S	176.3844E	340	From 1992-06-16
Lichinga	LICM	Mozambique	13.2830S	35.2260E	1400	From 2006-06-01
Lichinga	LICH	Mozambique	13.2689S	35.2348E	1400	
Lidau	ELDTW	Taiwan region	23.1890N	121.0170E	1040	
Liddieville	LV-	Louisiana,U.S.A.	32.1361N	91.8750W	15	From 1963-06-28 to 1964-01-30
Liddieville	LV-LA	Louisiana,U.S.A.	32.1361N	91.8750W	15	From 1963-06-28 to 1964-01-30
Liddow	LID	Mecklenburg-Vorpommern,Germany	54.5481N	13.3664E	1	
Lido-Pellestrina (VE)	A303A	Italia	45.3443N	12.3182E	11	From 2015-10-26
Lien	ILIN	Iran	34.9186N	46.9624E	2195	From 2004-01-01
Lienchiang	MSUT	Taiwan region	26.1690N	119.9230E	97	From 2014-12-22
LIFOU	LIFNC	Loyalty Islands,New Caledonia	20.7771S	167.2402E	35	From 2010-04-01
Liganga	LIGA	Tanzania	10.6835S	35.2545E	976	From 2014-07-15 to 2015-11-04
Lightning Creek	LGTM	Victoria,Australia	36.7632S	147.4636E	1105	
Lightning Ridge Central School	AULRC	New South Wales,Australia	29.4300S	147.9800E	145	From 2013-05-24
Lignon Hill	VLH	Luzon,Philippines	13.1600N	123.7260E	67	From 1993-01-01
Ligonier	O55A	Pennsylvania,U.S.A.	40.2076N	79.3041W	469	From 2012-12-15
Lihir Island	LHIS	New Ireland,Papua New Guinea	3.1170S	152.6330E	10	From 1987-06-22
Liikasenvaara	KU4	Finland	66.3645N	29.5794E	290	From 2004-11-04
Lijar	LIJA	Spain	36.9061N	5.4038W	951	From 1987-11-01
Likavka	LIKS	Slovakia	49.0500N	19.1060E	341	From 2003-12-01
Likely Place Golf, Likely	M06C	California,U.S.A.	41.2047N	120.4772W	1434	From 2005-06-28 to 2007-10-21
Lilburn	Y52A	Georgia,U.S.A.	33.8640N	84.0626W	286	From 2012-04-08
Lilico Spur	LSCZ	South Island,New Zealand	45.1147S	169.3693E	759	From 1986-12-09 to 1996-05-01
Lille	LIL	Nord-Pas-de-Calais,France	50.6158N	3.0708E	13	
Lillehammer	LHN	Norway	61.0492N	10.8800E	555	From 1965-04-01 to 1999-08-25
Lille Linde	LLD	Denmark	55.3331N	12.2150E	8	
Lillevand	N1R4	Norway	66.4490N	13.8780E	55	
Lillevik	N1R2	Norway	66.2820N	13.2330E	61	
Lillooet	LLLB	British Columbia,Canada	50.6090N	121.8815W	700	
Lillooet	LLL	British Columbia,Canada	50.6950N	121.9170W		From 1959-01-01 to 1960-02-01
Lilltraesk	LILU	Sweden	65.2856N	19.8480E	100	From 2000-09-01
Lilongwe	LILM	Malawi	14.1840S	33.7750E	1106	
Lilydale High School, Lilydale	AULHS	Tasmania,Australia	41.2500S	147.2200E	173	From 2013-10-01
Lima	LIM	Peru	11.9750S	77.0347W	127	
Lima	H15A	Montana,U.S.A.	44.6173N	112.6439W	1957	From 2007-08-16 to 2009-06-07
Lima (Magdalena)	LM2	Peru	12.0850S	77.0583W	0	
Lima (NY)	LILH	New York,U.S.A.	42.9213N	77.6172W	233	
Limay	LIY	Nicaragua	13.1983N	86.5602W	460	From 1975-01-01
Limburg	LIBD	Baden-Wurttemberg,Germany	48.1505N	7.6030E	210	From 1985-01-01 to 2011-12-31
Lime	LIME	Oregon,U.S.A.	44.4331N	117.2480W	1500	From 1990-04-01
Limekiln Ridge	LRM	Montana,U.S.A.	45.8222N	112.4510W	2326	From 1981-10-10
Limerick	LIMH	Ireland,Ireland	52.6333N	8.6833W		From 1913-01-01 to 1943-01-01
Limnos	LOS	Greece	39.9342N	25.0814E	460	From 1996-09-28 to 2016-04-21
Limnos Island	LIA	Greece	39.8981N	25.1831E	60	From 1997-01-01
Limon	LIO	Costa Rica	10.0050N	83.0350W	62	
Limon	LICR	Costa Rica	9.9692N	83.0883W	105	
Limon	LNCR	Costa Rica	9.9658N	83.0693W	40	
Limonal	LIM1	Costa Rica	10.6982N	85.2520W	600	From 1993-01-01
Limones	LIMO3	Panama	8.1015N	82.8643W	2	
Limon Verde	LVC	Antofagasta,Chile	22.6100S	68.9100W	2960	
Linares	LNCH	Maule,Chile	35.8475S	71.6013W	170	From 2005-01-13
Linares	LNIG	Nuevo Leon,Mexico	24.8982N	99.4657W	295	From 2006-01-16
Lincoln	N34A	Nebraska,U.S.A.	40.8378N	96.5005W	401	From 2010-05-14 to 2012-04-22
Lincoln	ALNM	California,U.S.A.	38.9297N	121.2880W	54	From 1976-12-02
Lincoln	LIN	Nebraska,U.S.A.	40.8383N	96.6533W	366	
Lincoln	LCN	Nebraska,U.S.A.	40.8117N	96.7019W	352	
Lincoln	LNSD	South Island	43.6662S	172.4870E	6	
Lincoln	Q04C	California,U.S.A.	38.8390N	121.3769W	14	From 2004-12-10 to 2007-10-12
Lincoln	D15A	Montana,U.S.A.	47.0418N	112.5204W	1593	From 2006-10-05 to 2009-07-15
Lincoln, Montana	LGMT	Montana	46.8814N	112.6051W	1784	From 2017-08-24
Lincoln, Montana	NVMT	Montana	46.7876N	112.5996W	1741	From 2017-08-25
Lincoln, NE, USA	KLNK	Nebraska	40.8200N	96.6400W	359	From 2016-03-06
Lincoln Peak	MLIM	California,U.S.A.	37.6368N	119.0179W	3075	
Lincoln School	LOC	California,U.S.A.	38.1525N	122.7130W	120	From 1970-08-14
Lincton Mountain	LNOR	Oregon,U.S.A.	45.8711N	118.2850W	768	From 1986-08-01
Linda	LDMO	Missouri,U.S.A.	36.4110N	89.5630W	86	From 1980-07-19
Linda, St. Vincent	A31A	Minnesota,U.S.A.	48.9320N	97.1888W	244	From 2010-08-25 to 2012-06-23
Lindo Horizonte, BA, Brazil	ANA01	Bahia	14.5310S	40.7452W	740	From 2018-06-01
Lindos, Rhodes Isl.	RLN1	Greece	36.0891N	28.0869E	19	From 2012-08-01
Lindquist Farm, Mitchell	H06A	Oregon,U.S.A.	44.7344N	120.3346W	516	From 2006-08-16 to 2008-05-08
Lindsay	LINO	Ontario,Canada	44.3541N	78.7802W	268	
Lindsay	D23A	Montana,U.S.A.	47.1730N	105.2071W	895	From 2008-09-19 to 2010-07-13
Linfen	LNF	Shanxi,China	36.0840N	111.3700E	555	
Lingo Farm, Meno	U33A	Oklahoma,U.S.A.	36.4327N	98.1135W	393	From 2009-10-25 to 2011-08-31
Linhares ES	RIB01	Espirito Santo,Brazil	19.3142S	40.3944W	216	From 2011-01-30
Linhart Farms, Moccasin	D18A	Montana,U.S.A.	47.1961N	109.8023W	1202	From 2007-10-15 to 2009-09-10
Linkoeping	LNKU	Sweden	58.2232N	15.5047E	130	From 2002-03-25
Linosa	SLNS	Italy	35.8716N	12.8633E	19	From 2009-01-16
Linosa Island	LINA	Italy	35.8716N	12.8634E	63	From 2013-02-11
Linthal, Matt	SLTM2	Switzerland	46.9236N	9.0009E	649	From 2011-05-01
Linth-Limmern	LLS	Switzerland	46.8468N	9.0083E	1860	From 1988-10-12
Lion Creek, Paradox Valley	PV14	Colorado,U.S.A.	38.3729N	109.0229W	2234	
Lioni	LIO3	Italy	40.8969N	15.1804E	737	
Lions Peak	HLPM	California,U.S.A.	37.0413N	121.6319W	102	
Lioujiau	CHN7	Taiwan region	23.4840N	120.2350E	6	
Lipari	LPI	Italy	38.4892N	14.9328E	225	From 1987-12-11
Lipari	LLI	Sicily,Italy	38.4450N	14.9481E	225	
Lipinka	LIPC	Czech Republic	49.8438N	17.0492E	429	From 2012-10-11
Lipkovo	LIP	FYR Macedonia	42.1625N	21.5833E	483	From 1969-01-01
Lip M Gallina IE	ILMG	Sicily,Italy	38.4603N	14.9467E	170	From 1988-01-01
Lip Q Pani IE	ILIQ	Sicily,Italy	38.5100N	14.9158E	350	From 1988-01-01
Liptovska Anna	LANS	Slovakia	49.1505N	19.4678E	710	From 2010-02-25
LIRI	LIRI	Bolivia	19.8507S	68.8462W	4110	From 1994-11-21 to 1995-07-23
Lisbon	LS-NH	New Hampshire,U.S.A.	44.2383N	71.9225W	287	From 1963-09-27 to 1965-03-22
Lisbon	LIS	Portugal	38.7180N	9.1505W	77	
Lisbon	N53A	Ohio,U.S.A.	40.8065N	80.8377W	360	From 2012-12-11
Lisbon	LBNH	New Hampshire,U.S.A.	44.2401N	71.9259W	367	From 1993-08-14
Lisbon--Monsanto	PMST	Portugal	38.7368N	9.1833W	175	
Lisbon (USA)	LS-	New Hampshire,U.S.A.	44.2383N	71.9225W	287	From 1963-09-27 to 1965-03-22
Lisburne Hills	C16K	Alaska,U.S.A.	68.2746N	165.3436W	102	From 2017-08-26
Listowel	I51A	Ontario,Canada	43.8036N	81.0231W	376	From 2012-11-29
Listvyanka	LSTR	Irkutskaya Oblast',Russia	51.8681N	104.8319E	450	
Lita	LITE1	Ecuador	0.7945N	78.3611W	1206	From 2006-01-18
Lita	LITE	Ecuador	0.8078N	78.3644W	1200	From 2007-01-01
Litchfield	LITR	California,U.S.A.	40.4308N	120.3208W	1646	
Lithakia	LTHK	Greece	37.7095N	20.8367E	34	From 2015-01-22
Lithgow	LTGO	New South Wales,Australia	33.4860S	150.1660E	960	From 2012-07-27
Litokhoron	LIT	Greece	40.1008N	22.4900E	480	From 1981-01-01
Little America	LAA	King Edward VII Land	78.2000S	162.2500W		
Little AP, Star	245A	Mississippi,U.S.A.	32.0322N	89.8958W	104	From 2011-03-20 to 2013-01-20
Little Aspen Butte	LAB	Oregon,U.S.A.	42.2675N	122.0640W	1774	From 1993-10-07
Little Butte	LBM	Montana,U.S.A.	46.5149N	111.8540W	1524	From 1974-10-09 to 1976-10-04
Little Cholame Creek	LCCB	California,U.S.A.	35.9801N	120.5142W	385	
Little Chuckwalla Mountains	LTC	California,U.S.A.	33.4890N	115.0700W	458	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Little Creek Mountain	LCMT	Utah,U.S.A.	37.0118N	113.2439W	1411	
Little Green Mountain	LGM	Idaho,U.S.A.	46.7330N	116.0930W	1455	From 1971-10-01 to 1974-07-25
Little Hoodo Mountain	LHD	Montana,U.S.A.	48.2578N	115.5580W	1134	
Little Horse	WLHM	California,U.S.A.	36.1524N	118.3131W	2645	
Little Hot Creek	MLHM	California,U.S.A.	37.6785N	118.8150W	2101	
Little Humpy Peak	LHUT	Utah,U.S.A.	40.8914N	110.9964W	3084	From 2008-07-08
Little Huntoon Valley	LHV	Nevada,U.S.A.	38.2512N	118.5040W		
Little Lost River	LLRI	Idaho,U.S.A.	43.7230N	112.9330W	1471	From 1990-06-06
Little Low Creek, Bella Vista, CA USA	LCOW	California	40.6424N	122.1851W	230	From 2020-01-01
Little Maria Mountains	LTM	California,U.S.A.	33.9150N	114.9180W	744	From 1974-04-01
Little Mountain	LMTN	Tennessee,U.S.A.	35.8868N	83.4098W	610	From 1984-03-16 to 1991-09-08
Little Mountain	LTU	Utah,U.S.A.	41.5917N	112.2470W	1585	From 1974-09-01
Little Mount Hoffman	LMHM	California,U.S.A.	41.5790N	121.6570W	2228	From 1979-07-12
Little Rabbit V.	BRVM	California,U.S.A.	36.4243N	121.0180W	555	From 1969-11-26
Little Rabbit Valley	LRV	California,U.S.A.	36.4243N	121.0180W	555	From 1969-11-26
Little Raleigh	RNC	North Carolina,U.S.A.	35.6318N	78.9803W		
Little Rock	LRA	Arkansas,U.S.A.	34.7783N	92.3517W	150	From 1931-02-02 to 1967-07-27
Littlerock Reservoir	LRRC	California,U.S.A.	34.5260N	118.0280W		From 1976-05-01
Little Sitkin Island	LSI	Alaska,U.S.A.	51.9197N	178.5340E		From 1970-10-20 to 1972-06-30
Little Sitkin NW	LSNW	Alaska,U.S.A.	51.9705N	178.5169E	290	
Little Sitkin PP	LSPA	Alaska,U.S.A.	51.9569N	178.5734E	335	
Little Sitkin S'e	LSSA	Alaska,U.S.A.	51.9496N	178.5132E	549	
Little Sitkin SE	LSSE	Alaska,U.S.A.	51.9332N	178.5690E	335	
Little Skull Mountain	LSN	Nevada,U.S.A.	36.7536N	116.2590W	1070	
Little Skull Mountain	LSM	Nevada,U.S.A.	36.7389N	116.2716W	1162	From 1971-07-20 to 2002-10-10
Little Table Mountain	LTMT	Montana,U.S.A.	44.5258N	112.1100W	2603	From 1989-09-14
Little Thumb Creek	YLT	Wyoming,U.S.A.	44.4370N	110.5880W	2439	
Littleton	U59A	North Carolina,U.S.A.	36.3526N	77.7925W	99	From 2013-03-21
Liugui	SLGT	Taiwan region	22.9934N	120.6463E	255	From 2011-12-27
Liuqiu	WLCH	Taiwan region	22.3508N	120.3788E	14	From 2011-12-30
Livadero, N018	N018M	Greece	40.0416N	21.9384E	1108	
Livadi, Kephalonia	KEF4	Greece	38.2580N	20.4244E	41	From 2014-01-29
Liverpool	LVR	England,United Kingdom	53.4167N	2.9333W	60	
Livingston	147A	Alabama,U.S.A.	32.6738N	88.2708W	57	From 2011-04-10
Livingston	LTL	U.S.A.	30.5374N	90.7660W	21	
Livingston, Bulgarian Antarctic Base	LIVV	Antarctic Peninsula	62.6365S	60.3581W	45	From 2015-12-19
Livingstonia	LIVA	Malawi	10.6138S	34.1070E	1371	From 2014-07-23 to 2015-11-04
Livorno Protezione Civile	LVNO	Italy	43.5538N	10.3204E	60	From 2019-06-25
Livramento-PB	NBLI	Paraiba,Brazil	7.3645S	36.9497W	624	From 2011-07-18
Livramento - PB, Brazil	NBLV	Paraiba	7.3584S	36.9203W	607	From 2015-06-09
Liwa	LWLI	Sumatera,Indonesia	5.0175S	104.0589E	938	From 2005-01-01
Lixouri, Cephalonia isl., Greece	LXR1	Greece	38.2007N	20.4382E	0	From 2014-01-29
Lixouri, Kephalonia	LXRA	Greece	38.2001N	20.4372E	0	From 2014-02-04
Liyang	LYP	Luzon,Philippines	14.6334N	120.4851E	100	
Liyutan	TWQ1	Taiwan region	24.3480N	120.7730E	260	
Ljotipollur	LJO	Iceland	64.0235N	19.0230W		
Ljubljana	LJU	Slovenia	46.0438N	14.5274E	396	
Lk Pillsbury D Fremont	C006	California,U.S.A.	37.5918N	122.0582W	6	From 2009-04-09
Llanada	LLA	California,U.S.A.	36.6167N	120.9430W	475	From 1961-01-01
Llanberis	YLL	Wales,United Kingdom	53.1402N	4.1704W	162	From 1984-01-01
Llano	LLAC	California,U.S.A.	34.8455N	117.4855W	1018	
Llano Grande	CTUV	Veracruz	21.4720N	98.3548W	153	
Llanos de Challe	AC04	Atacama,Chile	28.2046S	71.0739W	249	From 2014-02-08
Llanuwychllyn	LLW	Wales,United Kingdom	52.8492N	3.6650W	213	
Llaves	U22A	New Mexico,U.S.A.	36.3773N	106.8546W	2119	From 2008-05-22 to 2010-04-03
Lleida	ILER	Spain	41.6153N	0.6262E	171	From 2010-03-23
Llico	LLIC	Bio-Bio,Chile	37.2293S	73.5942W	70	
Llivia	CLLI	Spain	42.4792N	1.9741E	1411	
Llivia - Poliesportiu	LLIS	Spain	42.4626N	1.9783E	1198	From 2001-09-27
Lloa	LLOA	Ecuador	0.2328S	78.5608W	3265	
Llolleo	LLCH	Santiago,Chile	33.6105S	71.6182W	30	
Llyn Conwy	WLC	Wales,United Kingdom	52.9956N	3.7788W	440	From 1985-01-01
Llynfaes	WLF1	Wales,United Kingdom	53.2894N	4.3966W	58	From 1985-01-01
LNY01	LNY01	Saudi Arabia	25.2200N	37.9600E	828	
LNY02	LNY02	Saudi Arabia	25.1378N	37.8610E	1142	
LNY03	LNY03	Saudi Arabia	25.3799N	37.8543E	631	
LNY04	LNY04	Saudi Arabia	25.2716N	37.6450E	508	
LNY05	LNY05	Saudi Arabia	25.0460N	37.6953E	620	
LNY06	LNY06	Saudi Arabia	25.2098N	37.7781E	1044	
LNY07	LNY07	Saudi Arabia	25.1296N	37.5699E	406	
LNY08	LNY08	Saudi Arabia	25.0330N	37.8500E	1205	
LNY09	LNY09	Saudi Arabia	25.4012N	37.6614E	650	
LNY10	LNY10	Saudi Arabia	25.2700N	37.8620E	907	
LNY11	LNY11	Saudi Arabia	25.3170N	37.7728E	1015	
LNY12	LNY12	Saudi Arabia	25.2715N	37.7717E	994	
LNY13	LNY13	Saudi Arabia	25.1724N	37.6332E	524	
LNY14	LNY14	Saudi Arabia	25.2536N	37.7661E	1007	
LNY15	LNY15	Saudi Arabia	25.2600N	37.7960E	1002	
LNY16	LNY16	Saudi Arabia	25.3510N	37.5980E	489	
LNY17	LNY17	Saudi Arabia	25.2422N	37.8028E	1000	
LNYS	LNYS	Saudi Arabia	25.0815N	37.9439E	1029	
Lobatse	LBTB	Botswana	25.0145S	25.5970E	1028	From 1993-01-01
Lobethal	LBTL	South Australia,Australia	34.9052S	138.8599E	425	From 2012-02-01
Lobios	ELOB	Spain	41.8674N	8.0611W	980	
Lobor	LOBO	Croatia	46.1551N	16.0686E	372	From 2015-04-30
Localit Poggio-Vacaldola (Sant'Agata Feltria – RN)	PR02	Italy	43.8586N	12.1569E	520	From 2011-05-25
Localit San Martino (Sarsina - FC)	T0502	Italy	43.9006N	12.1371E	467	From 2011-05-25
Locarno, Pompieri	SLOP	Switzerland	46.1638N	8.7905E	200	From 2013-06-14
Loc. Casaglia - Ferrara (FE)	T0821	Italy	44.9035N	11.5405E	2	From 2012-05-20 to 2012-12-17
Loc. Cortile, Carpi (MO)	T0814	Italy	44.7933N	10.9692E	15	From 2012-05-20 to 2012-09-19
Loc. Fossa, Concordia sulla Secchia (MO)	T0818	Italy	44.9348N	11.0304E	4	From 2012-05-20 to 2012-09-19
Loc. Fossoli, Carpi (MO)	T0828	Italy	44.8308N	10.9143E	12	From 2012-05-30 to 2012-09-19
Loch Awe, Argyll & Bute	LAWE	Scotland,United Kingdom	56.2601N	5.3990W	137	From 2012-10-27
Loch Inver, Assynt	LINV	Scotland,United Kingdom	58.1470N	5.1970W	57	From 2014-09-04
Lock 6	LGKY	Kentucky,U.S.A.	37.9260N	84.8200W	128	From 1983-11-01 to 1988-04-13
Lock 6	L6KY	Kentucky,U.S.A.	37.9260N	84.8200W		
Locke Island	LOCW	Washington,U.S.A.	46.7170N	119.4308W	210	From 1982-11-01
Lockesburg	Y39A	Arkansas,U.S.A.	33.9380N	94.0936W	108	From 2010-04-29 to 2012-01-28
Lockeyer	E48A	Ontario,Canada	46.4809N	82.1653W	347	From 2012-11-02
Lockhart	LOKY	Kentucky,U.S.A.	37.2370N	88.2950W	230	From 1992-12-01
Lockwood Valley	LOK	California,U.S.A.	34.7245N	119.0910W	1570	
Loc. Limidi di Soliera, Soliera (MO)	T0824	Italy	44.7594N	10.9276E	71	From 2012-05-26 to 2012-09-19
Loc. Pratieghi (Badia Tedalda - AR)	T0503	Italy	43.7399N	12.1008E	865	From 2011-05-25
Locquirec - 29133 - Finist¨re - Bretagne - France	LOCF	Bretagne	48.6787N	3.6732W	21	From 2018-07-17
Loc. Stoppiaro, Poggio Rusco (MN)	T0812	Italy	44.9547N	11.1810E	7	From 2012-05-20 to 2012-09-19
Loc. Veratica, Salara (RO)	T0817	Italy	44.9916N	11.4559E	-1	From 2012-05-20 to 2012-09-18
Lodge	LDG	Alabama,U.S.A.	33.2905N	87.5350W	95	
Lodge Grass	G21A	Montana,U.S.A.	45.2250N	107.2070W	1227	From 2008-07-24 to 2010-08-11
Lodge Patagonia Sur	LOPS	Patagonia	44.1136S	73.1183W	43	From 2010-01-01
Lodgepole	F26A	South Dakota,U.S.A.	45.8512N	102.6697W	852	From 2009-07-12 to 2011-06-23
Lodgepole	LGPLA	Alberta,Canada	53.1144N	115.3560W	883	From 2013-10-25
Lodi Road	LDR	Delhi,India	28.5833N	77.2167E		
Lodnugiljahaus	ILOD	Iceland	63.7344N	18.7911W	406	From 2013-09-01
Lodumlu	LOD	Turkey	39.8890N	32.7640E	902	
Lodwar	LODK	Kenya	3.4219N	35.3616E	663	From 2011-09-26
Loecknitz	LNIZ	Mecklenburg-Vorpommern	53.4935N	14.2096E	14	From 2014-10-01
Loei	LOE	Thailand	17.4063N	101.7300E	259	From 1984-08-01
Loei	LOEI	Thailand	17.5093N	101.2644E	305	
Loerrach-Stetten	LOES	Baden-Wurttemberg,Germany	47.6036N	7.6654E	305	From 2004-06-16
Lofoten	LOF	Norway	68.1310N	13.5420E	80	From 1987-01-01
Logan	LOG	Utah,U.S.A.	41.7417N	111.8130W	1455	
Logan Glacier	LOGN	Alaska,U.S.A.	60.8245N	141.0028W	1665	
Loganville	J41A	Wisconsin,U.S.A.	43.3655N	90.0137W	360	From 2011-06-16 to 2013-06-06
Log Cabin	LCA	Alabama,U.S.A.	33.3067N	87.4683W	132	From 1971-01-09
Log Cabin Wilderness Lodge, Tok	L26K	Alaska,U.S.A.	63.0254N	143.3478W	650	From 2014-07-23
Logie Almond	ELO	Scotland,United Kingdom	56.4706N	3.7119W	495	From 1969-01-01
Loginova	LGNR	Kamchatskaya Oblast',Russia	56.0828N	160.6897E	2500	
Logrono	LGR	Spain	42.4578N	2.5032W	446	From 1963-01-01 to 1989-11-30
Logumkloster	NE03	Denmark	55.0450N	9.1530E	25	From 1983-02-01 to 2001-07-28

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Lohaghat	LGAT	Nepal	29.4500N	81.8333E		
Lohaghat	LGTI	India	29.4500N	80.2463E	0	
Loharsingha	LHSG	Orissa	20.8380N	83.0370E	274	From 2017-09-14
Loja	ALOJ	Spain	37.1090N	4.1050W	1340	
Lokbatan	LKB	Azerbaijan	40.3050N	49.7150E	30	From 1980-01-01
Lokgwabe	LKGWB	Botswana	21.7823N	21.2178E	1153	
Lokris	LKR	Greece	38.6506N	22.9994E	180	From 1997-01-01
Loliondo SS	LL21	Kenya	2.0627S	35.5510E	2040	From 2013-01-18 to 2014-12-06
Loma Alta	LALZ	El Salvador	13.5393N	88.5422W	474	
Loma Carmona	SACA	Dominican Republic	18.9775N	69.6803W		From 1986-07-12
Loma Colora	SDD01	Dominican Republic	19.1235N	69.9732W	165	
Loma Colorada, Chiriqui	LOCO3	Panama	8.4100N	82.4180W	52	From 2010-01-01
Loma de el Viento	LEV	Venezuela	7.7661N	63.0607W	337	
Loma El Cafe	SDD07	Dominican Republic	18.7828N	70.2223W	620	
Loma El Joboban	MAVI	Dominican Republic	19.2457N	69.9117W		From 1986-09-07
Loma El Mogote	SDD04	Dominican Republic	19.4835N	70.4855W	905	
Loma en Medio	LOMO	Dominican Republic	18.8767N	68.8613W	0	
Loma La Ceniza	SDD03	Dominican Republic	19.3370N	70.0685W	410	
Loma La Naviza	DR08	Dominican Republic	18.9623N	70.0217W	640	
Loma La Naviza	DR8	Dominican Republic	18.9624N	70.0217W		
Loma Larga	LOMA	El Salvador	13.6444N	89.1712W	1165	
Loma La Sidra	LONE2	Dominican Republic	18.5537N	71.4732W	921	From 2015-08-06
Loma Manaclilla	SDD05	Dominican Republic	19.1017N	70.4478W	425	
Loma Pena Alta	DR12	Dominican Republic	18.7878N	69.3807W	640	
Loma Prieta	JLPM	California,U.S.A.	37.1110N	121.8430W	1152	
Loma Quita	QUES	Dominican Republic	19.3530N	70.1480W	0	
Lomas de Alarcon	LOAL	El Salvador	13.9982N	89.7806W	575	
LOMAS DE OLMEDO	ALOL	Salta,Argentina	23.8148S	63.9822W	500	From 1996-10-25
Loma Siseviere	SDD02	Dominican Republic	19.6035N	69.9483W	440	
Loma Yayales	SDD08	Dominican Republic	18.9885N	69.6922W	325	
Lombego	LOMB	Azores	38.5423N	28.7430W	50	
Lome	LOM	Togo	6.1217N	1.2133E	5	
Lometa	334A	Texas,U.S.A.	31.3325N	98.2379W	389	From 2009-11-14 to 2011-10-03
Lo Mia Camp, Pine	X16A	Arizona,U.S.A.	34.4178N	111.4411W	1759	From 2007-03-30 to 2010-05-28
Lomita	LOMS	California,U.S.A.	33.7952N	118.2790W	-173	From 1989-12-20
Lom-Kozlod	KOZAM	Bulgaria	43.8274N	23.2364E	76	From 2012-11-20
Lomont	LOMF	Franche Comte,France	47.3508N	6.8275E	1000	
Lompoc	BLP	California,U.S.A.	34.5603N	120.4000W	134	From 1969-11-01
Loncomilla	LL06	Los Lagos	42.2150S	73.6280W	180	From 2015-02-28
London (Ont)	LND	Ontario,Canada	43.0410N	81.1830W	246	From 1961-12-07 to 1967-05-31
London (Ont)	LDN	Ontario,Canada	43.0400N	81.1833W	246	From 1975-06-01
Londrina, Brazil	LDASE	Brazil	23.3932S	51.1177W	578	From 2016-01-06
Lone Oak Road	LRC	California,U.S.A.	36.2465N	121.0430W	308	From 1970-08-14
Lone Oak Road	PLOM	California,U.S.A.	36.2465N	121.0430W	308	From 1970-08-14
Lone Pine	LN9	California,U.S.A.	36.5944N	118.1850W	500	
Lonesome Ridge	LRVA	Virginia,U.S.A.	36.7880N	82.7860W	1050	From 2008-04-30
Lone Star	LST	Missouri,U.S.A.	36.5230N	89.7310W	83	
Lone Tree Farm, Eben Junction	E43A	Michigan,U.S.A.	46.3758N	86.9954W	303	From 2011-09-11 to 2013-11-26
Lone Tree Road	HLTM	California,U.S.A.	36.8845N	121.3080W	183	From 1970-08-17
Lone Tree Road	LTR	California,U.S.A.	36.8845N	121.3080W	183	From 1970-08-17
Longastrino (FE)	A308A	Italy	44.5825N	12.0057E	-3	From 2015-11-03
Long Farm, Magnolia	Z40A	Arkansas,U.S.A.	33.2584N	93.3995W	78	From 2011-02-05 to 2012-11-10
Longford Drive San Jose	C016	California,U.S.A.	37.3964N	121.8670W	33	From 2009-06-24
Long Ground	MLGT	Montserrat	16.7250N	62.1623W	287	
Long Hollow	LOHW	Wyoming,U.S.A.	43.6124N	110.6040W	2121	From 1986-01-01
Longido	MAUS	Tanzania,United Republic of Tanzania	2.7400S	36.7000E	1334	
Longmire	LON	Washington,U.S.A.	46.7500N	121.8100W	854	From 1958-03-12
Longmont	O24A	Colorado,U.S.A.	40.1227N	105.0729W	1553	From 2008-07-03 to 2010-05-17
Long Mynd	HLM1	Wales,United Kingdom	52.5184N	2.8807W	429	From 1984-01-01
Longovilo	LNV	Valparaiso,Chile	33.9558S	71.4108W	160	From 1972-01-01
Long Quarter, Great Bend	R32A	Kansas,U.S.A.	38.4225N	98.7111W	573	From 2009-10-28 to 2011-08-25
Longridge	LLO	England,United Kingdom	53.8503N	2.5598W	247	From 1989-01-01 to 1991-10-14
Longtal	VKOLH	Vanuatu	15.2190S	167.1541E	118	
Longtian	LONT	Taiwan region	22.9064N	121.1299E	210	From 2014-07-28
Long Valley	LVNJ	New Jersey,U.S.A.	40.8095N	74.7650W	201	From 1977-06-08
Long Valley	LG-AZ	Arizona,U.S.A.	34.4078N	111.5458W	1768	From 1964-04-02 to 1965-10-04
Long Valley	LG-	Arizona,U.S.A.	34.4078N	111.5458W	1768	From 1964-04-02 to 1965-10-04
Longview Farm, Lees Summit	Q37A	Missouri,U.S.A.	38.8763N	94.4522W	297	From 2010-03-24 to 2012-09-14
Lonorore	LNR	Vanuatu	15.8519S	168.1600E	8	
Lookout	M05C	California,U.S.A.	41.3593N	121.1457W	1333	From 2005-06-29 to 2007-10-10
Lookout Mountain	LKGA	Georgia,U.S.A.	34.6233N	85.4722W	655	From 1985-12-05
Lookout Mountain	LMCR	California,U.S.A.	37.7280N	118.9469W	2501	From 1979-11-01
Lookout Mountain Observatory	LMS	California,U.S.A.	34.0692N	118.4400W	131	
Lookout Mountain Observatory	LMO	California,U.S.A.	34.1086N	118.3880W	392	From 1971-02-12 to 1973-06-30
Lookout Peak	LOP	Nevada,U.S.A.	36.8544N	116.1677W	1714	From 1979-01-23 to 2002-10-10
Lookout Ridge	C19K	Alaska,U.S.A.	69.1049N	159.5874W	745	From 2017-08-29
Look Rock	LRKT	Tennessee,U.S.A.	35.6340N	83.9240W	780	From 1983-10-25
Lopu atari	LOPT	Romania	45.4740N	26.5691E	780	
Lorado	LRDO	Arkansas,U.S.A.	35.9692N	90.6953W	137	From 1988-12-01
Lorca	EXLO	Spain	37.6760N	1.7000W	407	
Lorca, Murcia	ELOR	Spain	37.6391N	1.7453W	395	From 2016-09-08
Lorca, Murcia	TLOR	Spain	37.6559N	1.6889W	370	From 2011-08-01
Lorch/Rhein	WBD	Hessen,Germany	50.0847N	7.8570E	229	From 2001-11-30 to 2009-08-27
Lord Howe Island	LHI	New South Wales,Australia	31.5200S	159.0631E	73	From 2007-07-08
Loreta	A080A	Czech Republic	49.6840N	14.9288E	502	From 2015-10-12
Loreto B.C.S	NE77	Baja California	26.0150N	111.3613W	40	From 2014-08-13
Loretta	F39A	Wisconsin,U.S.A.	45.9153N	90.9190W	440	From 2011-09-08 to 2013-07-11
Lorgues	LRG	Provence-Cote d'Azur,France	43.4547N	6.3603E	110	
Loris	Y59A	South Carolina,U.S.A.	33.9897N	78.8737W	2	From 2013-06-26
Lormes	LOR	Bourgogne,France	47.2683N	3.8589E	520	
Lorqui	EXLR	Spain	38.0820N	1.2530W	115	
Los Alamitos	LNAS	California,U.S.A.	33.7892N	118.0550W	-50	From 1972-05-01
Los Alamos	LOA	New Mexico,U.S.A.	35.8247N	106.2940W	2144	From 1972-01-12 to 1999-08-25
Los Alamos Infrasonic Array Beam Ref. Pt.	LSIAR	New Mexico,U.S.A.	36.7681N	106.3340W		
Los Alamos Infrasonic Array Site 1	LSI01	New Mexico,U.S.A.	36.7681N	106.3340W		
Los Alamos Infrasonic Array Site 2	LSI02	Colorado,U.S.A.	36.8619N	105.2269W		
Los Alamos Infrasonic Array Site 3	LSI03	New Mexico,U.S.A.	36.9657N	105.3340W		
Los Alamos Infrasonic Array Site 4	LSI04	New Mexico,U.S.A.	36.8619N	107.4411W		
Los Angeles, F5	TUF5	Nicaragua	11.5821N	86.0189W	106	
Los Angeles Museum of Natural History	LCM	California,U.S.A.	34.0178N	118.2870W		From 1971-08-01
Los Arroyos	DAIG	Guerrero	17.0213N	99.6507W	241	From 2015-04-20
Los Banos	LBPH	Luzon,Philippines	14.1540N	121.1800E	300	
Los Banos, Laguna	LBLP	Luzon	14.1640N	121.2160E	100	From 2012-10-15
Los Cabezos	BQT2	Panama	8.7870N	82.4350W	1190	
Los Chiles	ACLS	Costa Rica	11.0312N	84.7176W	41	
Los Chiles	LCH0	Costa Rica	11.0750N	84.6963W	89	
Los Chiles	LCHIL	Costa Rica,Costa Rica	11.0360N	84.7150W	58	
Los Chungos	CHNG	Coquimbo,Chile	31.8828S	71.4998W	27	From 2005-03-12
Los crdobas, Cordoba	LCBC	Colombia	8.8570N	76.3680W	75	From 2013-11-17
Los Guajares, Granada	ELGU	Spain	36.8678N	3.6266W	847	From 2011-10-26
Los Guarumos	LGUZ	El Salvador	13.6447N	88.5613W	220	
Los Lagos	LOLA	Costa Rica	10.4900N	84.7137W	550	
Los LLanos de Aridane, La Palma	CLLA	Canary Islands	28.6167N	17.9099W	271	From 2017-11-09
Los Malcriados, LAN	LANMX	Baja California	31.6353N	116.4935W	172	
Los Molles	MOCH	Valparaiso,Chile	32.2319S	71.5069W	15	
Los Montesinos	ETRV	Spain	38.0203N	0.7627W	39	
Los Morros	CEN1	Antofagasta,Chile	23.3897S	70.2000W	1090	From 2005-09-16
Los Muermos	LL05	Los Lagos	41.4053S	73.4744W	208	From 2015-02-04
Los Naranjos, Chiriqui	LNBQ3	Panama	8.7910N	82.4410W	1185	From 2010-01-01
Los Niches	NICH	Maule,Chile	35.0026S	71.2296W	220	From 2004-06-03
Los Osos Digital	LSDC	California,U.S.A.	35.2973N	120.8430W	244	
Losov	LOSC	Czech Republic	49.6217N	17.3717E	383	From 2014-11-27
Los Pargos	PARG	Costa Rica	10.1983N	85.8230W	20	From 1999-12-06 to 2000-06-18
L'Ospedale	OSPF	Corse,France	41.6632N	9.1915E	965	From 2003-01-01
Los Peladeros	CO04	Coquimbo	32.0433S	70.9747W	2408	From 2014-02-07
Los Pinos Mountain	LPM	New Mexico,U.S.A.	34.3117N	106.6320W	1737	From 1976-01-01
Los Pintados	PINT	Chile	20.7613S	69.3973W	1146	From 2009-12-05
Los Planes de Bahia Drake, Puntarenas	PLAN	Costa Rica	8.6710N	83.6805W	133	From 2015-06-04
Los Potreros, B5	TUB5	Nicaragua	11.5135N	84.8355W	62	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Los Queltehues	LQT	Santiago,Chile	33.8147S	70.2119W	1400	From 1976-06-26
Los Ranchones	G03S	Maule	34.3267S	71.9612W	111	
Los Realejos, Tenerife	CREA	Canary Islands	28.3529N	16.5807W	940	From 2017-03-31
Los Roques	LORO	Venezuela	11.9520N	66.6768W	69	From 1984-01-01
Lossen Ranch, Watonga	V33A	Oklahoma,U.S.A.	35.8209N	98.2862W	420	From 2009-10-31 to 2011-09-01
Losser	NE31	Netherlands	52.2641N	7.0066E	35	
Los Tablones	LTG	Guatemala	14.9625N	90.1553W	928	From 1978-06-01 to 1999-08-25
Lost Marbles Ranch, Westfall	I09A	Oregon,U.S.A.	43.9733N	117.7407W	950	From 2006-07-27 to 2008-07-11
Lostock Dam	LOSM	New South Wales,Australia	32.3304S	151.4556E	109	
Los Trancos	JLTM	California,U.S.A.	37.3537N	122.2040W	270	From 1966-12-15
Los Trancos Road	JTRM	California,U.S.A.	37.3522N	122.1980W	251	
Los Trancos Woods	LTW	California,U.S.A.	37.3537N	122.2040W	270	From 1966-12-15
Lost Valley Reservoir	LVRI	Idaho,U.S.A.	44.9447N	116.4520W	1700	From 1991-08-01
Losuia	LOSU	D'Entrecasteaux Islands,Papua New Guinea	8.5119S	151.0740E	10	From 1983-12-08
Los Vilos	VICH	Coquimbo,Chile	31.9112S	71.5104W	44	
Lot 18 Range III Mazenod Township	D51A	Quebec,Canada	47.0904N	79.3733W	282	From 2012-10-23
Lotru	LOT	Romania	45.4481N	23.7694E	1240	
Loudon	V51A	Tennessee,U.S.A.	35.8033N	84.3511W	243	From 2012-05-08
Louisa	IP03	Virginia,U.S.A.	38.0205N	78.0147W	152	
Louis Bay	LOU	Alaska,U.S.A.	60.4655N	147.6440W	490	
Louis Trichardt	LTT	Cape Province,South Africa	29.7233S	23.0150E	1006	
Louisville	Z46A	Mississippi,U.S.A.	33.1933N	88.9414W	125	From 2011-04-17 to 2013-01-29
Loup City	LCNE	Nebraska,U.S.A.	41.3083N	98.9387W	671	
Loup City	LCNC	Nebraska,U.S.A.	41.3083N	98.9387W	671	
Lourdes	PYLO	Midi-Pyrenees,France	43.0982N	0.0478W	407	From 2001-07-24
Loures	PLOU	Portugal	38.8852N	9.1518W	180	
Loutraki	LOUT	Greece	37.9879N	22.9743E	307	From 2010-05-27
Loutraki	LTK	Greece	38.0230N	22.9670E	410	From 2006-01-01
Loutraki	LTRA	Greece	37.9754N	22.9766E	100	From 2008-03-15
Loutraki	S017	Greece	37.9540N	23.0120E	234	
Loutropirgos, AT03	AT03E	Greece	38.0268N	23.4677E	32	
Lovce	A335A	Slovakia	48.4469N	18.3359E	320	From 2015-08-13
Love County	LOOK	Oklahoma,U.S.A.	33.9924N	97.1800W	286	From 2015-05-01
Lovejoy Buttes	LJB	California,U.S.A.	34.5912N	117.8480W	899	From 1977-12-01
Lovelace Mesa, Carrizozo	Y23A	New Mexico,U.S.A.	33.9315N	106.0549W	1789	From 2008-04-12 to 2010-03-12
Lovelock	LO-	Nevada,U.S.A.	39.9353N	118.8394W	1280	From 1963-02-23 to 1963-03-29
Lovelock	LO-NV	Nevada,U.S.A.	39.9353N	118.8394W	1280	From 1963-02-23 to 1963-03-29
Lovelock	LVK	Nevada,U.S.A.	40.1870N	118.5250W	1225	From 1969-11-05 to 1975-11-30
Lovikneset	N2B3	Norway	61.8250N	4.9530E	10	
Lovozero	LVZ	Karel'skaya,Russia	67.8979N	34.6514E	630	
Lower Browns Hole	LBUT	Utah,U.S.A.	41.3097N	111.7320W	1768	From 1978-06-01 to 1981-05-31
Lowerie	VSARA	Vanuatu	15.2293S	166.9926E	322	
Lower Mag Wash	LWA	Utah,U.S.A.	38.4903N	112.8610W	1817	
Loyalton	LOY	California,U.S.A.	39.6586N	120.2368W	1582	
Loyola University of Chicago, IL, USA	LOIL	Illinois	41.9996N	87.6576W	181	From 2016-02-17 to 2599-12-31
Loznitsa	LOZB	Bulgaria	43.3701N	26.5930E	342	From 2012-11-20
LS01	LS01	Baja California	31.8558N	115.1897W	11	
LS02	LS02	Baja California	32.0483N	115.2472W	18	
LS03	LS03	Baja California	31.2053N	115.3190W	12	
LS04	LS04	Baja California	32.3955N	115.3508W	33	
LS05	LS05	Baja California	32.5022N	115.2967W	13	
LS06	LS06	Baja California	32.5242N	115.4310W	14	
LS07	LS07	Baja California	32.5527N	115.5908W	10	
LS08	LS08	Baja California	32.5865N	115.7587W	40	
LS09	LS09	Baja California	32.4655N	115.7440W	5	
LS10	LS10	Baja California	32.3113N	115.6995W	0	
LS11	LS11	Baja California	32.1465N	115.5293W	0	
LS12	LS12	Baja California	32.0623N	115.4272W	3	
LS13	LS13	Baja California	31.9338N	115.4012W	17	
LS14	LS14	Baja California	31.8430N	115.2843W	10	
Lskr Muir 01	LM01	Western Australia	34.3950S	116.7914E	248	From 2018-09-18 to 2019-02-15
Lualailua	LLAH	Hawaii,U.S.A.	20.6270N	156.3103W	683	
Luanda	LUA	Angola	8.5000S	13.2333E	69	
Lubang	LUBP	Mindoro,Philippines	13.7340N	120.2460E	50	
Lubango	LUBAN	Angola	14.9059S	13.4483E	1918	From 2018-07-31
Lubar, Ukraine	LUBAR	Ukraine	49.9205N	27.7576E	260	From 1997-02-12
Lubbock	LUB	Texas,U.S.A.	33.5833N	101.8670W	979	From 1948-06-01
Lubilhac	LBL	Auvergne,France	45.2323N	3.2470E	950	
Luboga	LBGA	Democratic Republic of the Congo	1.2650S	29.1170E	1850	
Lubrecht Forest	LFM	Montana,U.S.A.	46.8898N	113.4530W	1256	From 1974-08-02 to 1976-10-04
Lubudi	LBC	Democratic Republic of the Congo	9.9000S	25.9833E	1375	From 1966-12-01 to 1999-08-25
Lubumbashi	ELI	Democratic Republic of the Congo	11.6500S	27.4667E	1245	
Lubumbashi	LBB	Democratic Republic of the Congo	11.6300S	27.4800E	1283	
Luby	LBCW	Czech Republic	50.2655N	12.4123E	638	From 2000-01-01
Luby	LUBY	Czech Republic	50.2602N	12.3592E	625	
Lucas Creek	LCW	Washington,U.S.A.	46.6707N	122.7008W	396	
Lucas Heights	LHBM	New South Wales,Australia	34.0537S	150.9786E	168	
Lucca	TLUC	Italy	43.9130N	10.5250E	109	From 1998-03-28
Lucedale	447A	Mississippi,U.S.A.	30.7952N	88.6542W	34	From 2011-03-18 to 2012-12-13
Lucedale	LD-MS	Mississippi,U.S.A.	30.9500N	88.8833W	70	From 1966-11-13 to 1966-12-03
Lucedale	LD2MS	Mississippi,U.S.A.	30.8528N	88.5406W	79	
Lucedale	LD3MS	Mississippi,U.S.A.	30.6661N	89.0436W	46	
Lucedale	LD-	Mississippi,U.S.A.	30.9500N	88.8833W	70	From 1966-11-13 to 1966-12-03
Lucera (FG) Italy	OT11	Italy	41.5146N	15.3353E	0	From 2013-04-15
Luceram	LUCF	Provence-Cote d'Azur,France	43.8925N	7.3462E	1087	From 2006-05-17
LUCKNOW	LKN	Uttar Pradesh	26.7660N	80.8830E	117	From 2017-01-17
Lucky Boy Pass	LBP	Nevada,U.S.A.	38.4320N	118.7390W	2280	
Lucky Star	LSUT	Utah,U.S.A.	41.6848N	111.5580W	2225	From 1979-11-01 to 2004-03-11
Lucoli (AQ)	RM01	Italy	42.2767N	13.3356E	1350	From 2009-04-06 to 2009-08-31
Lucq-de-Bearn	LDBL	Aquitaine,France	43.3189N	0.6139W	250	
Luda	DAI	Liaoning,China	38.9000N	121.6330E	97	
Ludao	LDUT	Taiwan region	22.6733N	121.4693E	23	From 2014-07-25
Luebbecke	LUEB	Germany	52.2966N	8.6993E	153	From 2019-02-26
Luebbering	R42A	Missouri,U.S.A.	38.2804N	90.7944W	218	From 2011-07-25 to 2013-04-13
Luena	LUENA	Angola	12.3708S	19.9104E	897	From 2018-07-31
Luepa	LUEV	Venezuela	5.8430N	61.4610W	1380	From 2003-06-04
Luesalemba Temotu	LUES	Vanuatu	10.6617S	165.9138E	61	From 2018-10-30
Lugano, Universit d. Svizzera Italiana, TI	SUSI	Switzerland	46.0104N	8.9587E	279	From 2017-05-08
Luganville	LUG	Vanuatu	15.5178S	167.1300E	150	
Lugnano (Citt di Castello) - PG	AT02	Italy	43.3681N	12.1744E	360	From 2010-04-01
Lugo	EXLU	Spain	43.0120N	7.5540W	466	
Lujan	LUJA	Costa Rica,Costa Rica	9.9260N	84.0720W	1196	
Luka	LUKC	Czech Republic	49.6543N	16.9742E	470	From 2015-11-19
Lukban	LQP	Luzon,Philippines	14.1120N	121.5390E	1650	
Luk Keng	HKLK	Hong Kong,China	22.5138N	114.2106E	90	From 1997-04-23
Lukmanier-Pass	LUKA1	Switzerland	46.5647N	8.8001E	1921	From 2005-12-15
Lumberton	LU-MS	Mississippi,U.S.A.	31.0389N	89.2389W	91	
Lumbreras	ALUM	Salta,Argentina	25.2382S	64.8787W	812	
Lummi Island	A04D	Washington,U.S.A.	48.7201N	122.7063W	13	
Lumpkin	252A	Georgia,U.S.A.	31.9962N	84.7357W	142	From 2012-03-11
Lumpola	LUMP	Xizang Zizhiqu,China	31.8991N	89.9325E	4619	From 1997-07-11 to 1998-07-15
Lunacharskoye	LNC	Uzbekistan	41.3333N	69.3500E		
Lund	LUN	Sweden	55.6983N	13.1867E	32	
Lund	LUNU	Sweden	55.6320N	13.4468E	128	From 2008-02-21
Lundy Lake	LUL	California,U.S.A.	38.0522N	119.1813W	2243	
Luning	LNG	Nevada,U.S.A.	38.6150N	118.2100W		
Lunz Road, Clintonville	WI03	Wisconsin,U.S.A.	44.6529N	88.7335W	262	
Luogosano	LGS3	Italy	40.9865N	14.9906E	413	
LuoYang	LYN	Henan	34.5510N	112.4680E	170	From 2009-01-01
Lupara (CB)	T1412	Italia	41.7839N	14.7675E	420	From 2018-08-17
Luperon	LUDR	Dominican Republic	19.8932N	70.9531W	44	From 2013-12-20
Lupin Mine	LUPN	Northwest Territories,Canada	65.7383N	111.2569W	505	
Luque	ELUQ	Spain	37.5605N	4.2668W	703	From 1992-01-23
Luri	LURI	Corse,France	42.8988N	9.3958E	180	From 1989-11-01
Lusahovit	LSVT	Armenia	40.9168N	45.1899E	942	
Lusaka	LSZ	Zambia	15.2766S	28.1882E	1184	From 1984-01-01
Lusaka	LUS	Zambia	15.3837S	28.3312E	1259	From 1971-01-01 to 1999-08-25
Lussari	LSR	Italy	46.4758N	13.5278E	1750	From 1988-01-01
Lusurasco	A285A	Italy	44.8939N	9.9098E	152	From 2015-09-16

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Lutao	TWH	Taiwan region	22.7103N	121.4773E	50	From 1974-09-17
Lutertal, Dagmarsellen	DAGMA	Switzerland	47.2308N	8.0125E	559	From 2013-04-11
Luther M School	OK005	Oklahoma,U.S.A.	35.6549N	97.1911W	298	
Lutirano	LMD	Italy	44.0775N	11.7073E	450	
Luwuk	LUWI	Sulawesi,Indonesia	1.0418S	122.7717E	6	From 2008-03-09
Luxembourg	LUX	Luxembourg	49.6000N	6.1333E		
Luz	PLUZ	Azores,Portugal	39.0164N	27.9773W	98	From 2005-08-01
Luzern Bramberg	SLUB	Switzerland	47.0579N	8.3055E	508	From 2011-12-01
Luzern Kirche, LU	SLUK	Switzerland	47.0479N	8.3083E	435	From 2013-11-30
Luzern Werkhofstrasse	SLUW	Luzern,Switzerland	47.0463N	8.3179E	436	From 2010-12-01
Luzern Zentralbibliothek	SLUZ	Switzerland	47.0483N	8.3077E	435	From 2012-05-30
Luzhba, Kemerovskaya Oblast', Russia	LUZB	Kemerovskaya Oblast',Russia	53.6611N	88.9001E	489	From 2006-01-01
L'vov	LVV	Carpathian Mountains	49.8190N	24.0310E	320	
Lwanjilo	JILO	Tanzania	8.7261S	33.5663E	2002	From 2013-08-11 to 2015-11-04
Lwiro	LWI	Democratic Republic of the Congo	2.2392S	28.8025E	1760	From 1953-01-01
Lwondulwo boma	LN34	Tanzania	2.7510S	36.0485E	1066	From 2013-01-21 to 2014-12-07
Lyangar	LNA	Tajikistan	38.4000N	69.3500E	2200	From 1964-01-01
Lycee	ELFMC	Switzerland	47.3855N	8.5996E	650	From 2010-05-11
Lyman	LYW	Washington,U.S.A.	48.5353N	122.1020W	107	From 1975-04-16
Lyman	M18A	Wyoming,U.S.A.	41.4272N	110.0674W	2103	From 2007-10-27 to 2009-05-21
Lynden	LY-WA	Washington,U.S.A.	48.6475N	122.2028W	122	
Lyndonville	H61A	Vermont,U.S.A.	44.5339N	71.9271W	462	From 2013-09-21
Lynn Haven	552A	Florida,U.S.A.	30.1327N	85.2938W	17	From 2012-02-06
Lynnwood City Hall ANSS-SMO	LYNC	Washington,U.S.A.	47.8255N	122.2938W	19	From 2005-02-08
Lyon Mountain	LYMT	Montana,U.S.A.	46.9700N	112.2895W	2237	From 1996-08-31
Lyons Estate	DLE	Ireland	53.2872N	6.5436W	140	From 1980-04-25 to 1990-12-31
Lyons Farm	DLF	Ireland	53.2958N	6.5314W	96	From 1990-08-01
Lysite	J21A	Wyoming,U.S.A.	43.3459N	107.4459W	1913	From 2008-08-07 to 2010-09-11
Lytham Saint Anne's	LLY	England,United Kingdom	53.7975N	2.9069W	33	From 1989-01-01
M01A	M01A	Pacific Ocean West Coast USA	49.1504N	126.7221W	-132	From 2011-10-18 to 2012-07-15
M01C7	M01C7	Pacific Ocean West Coast USA	49.1504N	126.7222W	-138	From 2013-08-19 to 2014-05-30
M02A	M02A	Pacific Ocean West Coast USA	48.3070N	125.6004W	-139	From 2011-10-18 to 2012-07-15
M02C7	M02C7	Pacific Ocean West Coast USA	48.3069N	125.6012W	-141	From 2013-08-19 to 2014-05-30
M03A	M03A	Pacific Ocean West Coast USA	47.8883N	126.1040W	-1818	From 2011-10-19 to 2012-07-11
M03C7	M03C7	Pacific Ocean West Coast USA	47.8884N	126.1046W	-1839	From 2013-08-19 to 2014-05-30
M04C7	M04C7	Pacific Ocean West Coast USA	45.5584N	125.1923W	-570	From 2013-08-19 to 2014-05-29
M05C7	M05C7	Pacific Ocean West Coast USA	46.1735N	124.9345W	-837	From 2013-08-19 to 2014-05-29
M06A	M06A	Pacific Ocean West Coast USA	45.5295N	124.9268W	-1439	From 2011-10-16 to 2012-07-17
M06C7	M06C7	Pacific Ocean West Coast USA	45.5287N	124.9261W	-1460	From 2013-09-05 to 2014-06-24
M07A7	M07A7	Pacific Ocean West Coast USA	44.8987N	125.1168W	-1356	From 2011-10-16 to 2012-07-14
M07C	M07C	Pacific Ocean West Coast USA	44.8988N	125.1168W	-1365	From 2013-08-21 to 2014-01-16
M08A7	M08A7	Pacific Ocean West Coast USA	44.1187N	124.8953W	-126	From 2011-10-21 to 2012-07-17
M08C	M08C	Pacific Ocean West Coast USA	44.1185N	124.8954W	-131	From 2013-08-21 to 2014-06-01
M09B	M09B	Pacific Ocean West Coast USA	44.2497N	125.0589W	-914	From 2012-07-17 to 2013-06-28
M10B	M10B	Pacific Ocean West Coast USA	43.6248N	124.9728W	-675	From 2012-07-16 to 2013-06-29
M11B	M11B	Pacific Ocean West Coast USA	42.9320N	125.0171W	-1109	From 2012-09-01 to 2013-06-18
M12	M12	Hawaii,U.S.A.	19.3948N	155.3080W	1116	From 1972-12-01 to 1973-02-28
M12B	M12B	Pacific Ocean West Coast USA	42.1840N	124.9461W	-1045	From 2012-09-01 to 2013-06-18
M13B	M13B	Pacific Ocean West Coast USA	41.6715N	124.8596W	-909	From 2012-09-18 to 2013-06-30
M13D	M13D	Pacific Ocean West Coast USA	43.5973N	125.0446W	-990	From 2014-09-09 to 2015-10-03
M14B	M14B	Pacific Ocean West Coast USA	40.9850N	124.5897W	-638	From 2012-09-01 to 2013-06-19
M14D	M14D	Pacific Ocean West Coast USA	42.9136N	124.9779W	-997	From 2014-09-10 to 2015-10-09
M15D	M15D	Pacific Ocean West Coast USA	42.2107N	124.9074W	-933	From 2014-09-11 to 2015-06-27
M16D	M16D	Pacific Ocean West Coast USA	41.6618N	124.8071W	-882	From 2014-08-12 to 2015-09-17
M17D	M17D	Pacific Ocean West Coast USA	41.0370N	124.6298W	-749	From 2014-09-12 to 2015-10-08
M18B	M18B	Pacific Ocean West Coast USA	44.8871N	124.9712W	-720	From 2012-07-14 to 2013-06-27
Ma'ale Noah	NOH	Israel	30.6890N	34.9620E	680	
Maan	HSNJ	Jordan	30.2560N	35.6870E	1180	
Maars	MRS	Alaska,U.S.A.	57.8567N	156.4890W	131	From 1977-05-20
Maaselka	MSF	Finland	65.9113N	29.0402E	365	
Maasin	MSLP	Leyte,Philippines	10.1340N	124.8590E	50	
Mabed	MABD	Egypt	22.9726N	32.3258E	280	
Mabote, A3G66	M3G66	Mozambique	22.0517S	34.1237E	166	
Mabujiaxiang, Xizang Zizhiqu	MAZA	Xizang Zizhiqu,China	28.6713N	87.8553E	4367	From 2002-07-24 to 2002-11-07
Macae	CAM1	Rio de Janeiro,Brazil	22.3978S	41.8338W	139	
Macagua	GMC	Venezuela	8.3000N	62.6833W		
Macapa, AP	MCPB	Para	0.3602S	52.0567W	127	From 2014-07-28
Macapo	MAPV	Venezuela	9.8308N	68.4573W	355	From 2008-01-16
Macaracas	MACA3	Panama	7.7330N	80.5510W	110	
Macar, Loja	MCRA	Ecuador	4.3697S	79.9544W	540	From 2012-08-24
Macarena, Meta	MACC	Colombia	2.1452N	73.8476W	283	From 2013-05-27
Macas	MACE	Ecuador	2.2549S	78.1985W	1553	From 2006-01-22
Macavene	MSGR	Mozambique	23.8300S	32.1800E	103	
Macchia Valfortore	MVF	Italy	41.5944N	14.9102E	439	From 2003-10-01
Macdoel	M04C	California,U.S.A.	41.7826N	121.8393W	1391	From 2005-06-30 to 2007-10-23
Macedon	MACM	Victoria,Australia	37.4303S	144.6910E	576	
Macedonia Univ,	TMU2	Greece	40.6255N	22.9596E	45	From 2008-09-30
Machasi, A3433	M3433	Mozambique	20.8238S	33.3682E	250	
Machin, LAJA	LAJAC	Colombia	4.4958N	75.4157W	2600	
Machiques	MCQV	Venezuela	10.0499N	72.5350W	120	From 2014-10-02
Machiques	MCHV	Venezuela	10.0460N	72.5800W	0	
Machtesh Katan	MKT	Israel	30.9480N	35.1520E	520	From 1983-01-01
Macinaw City Comets, Mackinaw City	F46A	Michigan,U.S.A.	45.7737N	84.7586W	198	From 2011-10-10 to 2013-06-12
Mackay	I14A	Idaho,U.S.A.	43.9286N	113.4518W	1897	From 2007-08-13 to 2009-08-13
MacKay Lake North	MCKN	Northwest Territories,Canada	64.1980N	110.2132W	431	
Mackay Peak	MCPI	Idaho,U.S.A.	43.9003N	113.7040W	2902	From 1983-11-01
MacKenzie Ranch, Jordan Valley	K10A	Oregon,U.S.A.	42.7779N	116.8705W	1701	From 2006-12-16 to 2008-07-24
Mack Ranch, Harrison	K25A	Nebraska,U.S.A.	42.6120N	103.8705W	1437	From 2008-11-15 to 2010-10-02
Macossa, A0302	M0302	Mozambique	17.9578S	34.1723E	352	
Macquarie Island	MQI	Macquarie Islands,Australia	54.5200S	158.9300E	250	
Macquarie Island	MCQ	Macquarie Islands,Australia	54.4986S	158.9560E	14	From 1950-06-01
Mactan	MAP	Cebu,Philippines	10.3228N	123.9807E	137	From 1980-01-22
Macugnaga	MCGN	Italy	45.9575N	7.9878E	1185	
Madalena	PMAD	Azores	38.5353N	28.5052W	80	From 2016-04-07
Madang	MDG	Papua New Guinea	5.2501S	145.7800E	27	From 1974-12-01
Madang	MAD	Papua New Guinea	5.2333S	145.8000E		
Madden Dam	MAD3	Panama	9.2122N	79.6162W	60	
Maddies Station, St. Elizabeth	R40A	Missouri,U.S.A.	38.2909N	92.2684W	213	From 2010-12-09 to 2012-09-13
Maddock	MDND	North Dakota,U.S.A.	47.8481N	99.6029W	479	From 2008-09-03
Madeira	PMAR	Madeira Islands,Portugal	32.7237N	16.9137W	1605	
Madeiral	SVMA	Cape Verde Islands	16.8400N	24.9200W	195	From 2013-03-21
Madeleine	MADF	Aquitaine,France	43.1457N	0.8195W	535	
Madha	MDH	Oman	25.2987N	56.2983E	185	
Madinat Zayed	MZWR	United Arab Emirates	23.7610N	53.8799E	65	
Madison	MDS	Wisconsin,U.S.A.	43.3722N	89.7600W	278	From 1962-01-16 to 1968-06-10
Madison Junction	MJW	Wyoming,U.S.A.	44.6483N	110.8590W	2111	From 1964-01-01 to 1999-08-25
Madison River	YMR	Wyoming,U.S.A.	44.6687N	110.9650W	2149	
Madoc	MADO	Ontario,Canada	44.4360N	77.4708W	138	
Madonna delle Grazie (Coppito)	T0104	Italy	42.3599N	13.3382E	754	From 2009-04-07
Madonna di Cristo (FG) Italy	OT05	Italy	41.6592N	15.6026E	180	From 2013-04-15
Madrakah	MDRAS	Saudi Arabia	22.0879N	40.0017E	896	
Madras	H05A	Oregon,U.S.A.	44.6473N	121.2271W	720	From 2005-12-09 to 2008-01-30
Madras	MDR	Tamil Nadu,India	13.0000N	80.1833E	15	
Madrid	MDD	Spain	40.4000N	3.6833W		
Madrid Canyon Road, Trinidad	HGTCO	Colorado,U.S.A.	37.1075N	104.6740W	2109	
Madsous	MADS	Saudi Arabia	29.1080N	35.0730E	645	From 1993-09-01
Madunda	UNDA	Tanzania	9.8536S	34.4738E	1767	From 2014-07-08 to 2015-11-04
Maebashi	MAE	Gumma,Japan	36.4017N	139.0650E	112	
Maebashi 2	MAEJ	Gumma,Japan	36.5377N	139.1795E	1665	From 1989-03-25
Maesarieng	MHMT	Thailand	18.1764N	97.9310E	164	
Maesberg Ranch, Thedford	L29A	Nebraska,U.S.A.	42.0641N	100.4779W	901	From 2009-06-04 to 2011-04-09
Mafambisse, A3522	M3522	Mozambique	19.5253S	34.6075E	8	
Mafinga	MAFI	Tanzania,United Republic of Tanzania	8.3057S	35.3133E	1866	
Mafra	PMAFR	Portugal	38.9554N	9.2827W	329	From 2006-07-31
Magadan	MAG	Magadanskaya Oblast',Russia	59.5540N	150.8050E	50	
Magadan	MA2	Magadanskaya Oblast',Russia	59.5753N	150.7680E	339	
Magadan 1	MGD	Magadanskaya Oblast',Russia	60.0460N	150.7300E	221	
Magadan Thermoelectric Plant	TEC1	Magadanskaya Oblast',Russia	59.5840N	150.7890E	65	
Magadi	MAGK	Kenya	1.9182S	36.2873E	660	From 1994-02-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Magadini PS	LN35	Tanzania	2.6304S	36.0059E	652	From 2013-01-21 to 2014-12-07
Magadi Soda Vault	KEN2	Kenya	1.9184S	36.2873E	687	From 2013-07-10 to 2014-12-02
Magalia	MGL	California,U.S.A.	39.8117N	121.5580W	1010	From 1966-06-01
Magara	MGRA	Tanzania,United Republic of Tanzania	3.8100S	35.6905E	994	
Magasa	MAGA	Italy	45.7753N	10.6286E	1265	From 2006-06-21
Magazine	W39A	Arkansas,U.S.A.	35.1960N	93.7840W	162	From 2011-01-29
Magazine Ridge	OKFG	Alaska,U.S.A.	53.4107N	167.9115W	201	
Magba, CM19	ACM19	Cameroon	5.9750N	11.2320E	701	
Magdalena	MAG1	Ecuador	0.0722S	79.7733W	316	From 2005-08-24
Magdalena	MAGD	Ecuador	0.0685S	79.7738W	340	
Magdalena	MMG	Guatemala	14.5380N	90.6815W	2190	From 1975-03-01
Magdalena	MGDN	Patagonia	44.6349S	72.9251W	58	From 2016-01-05
Magdalen Islands	MADG	Gulf of St. Lawrence,Canada	47.2748N	61.6892W	78	From 2005-10-01
Mageik Landslide	MGLS	Alaska,U.S.A.	58.1343N	155.1608W	472	From 1996-08-01
Maghara	AMAG	Egypt	30.6430N	33.2083E	620	
Magodro	MGO	Fiji	17.7925S	177.7400E	726	From 1983-09-01
Magosa	MAGT	Cyprus	35.1000N	33.8700E	7	
Magoula	MAGU	Greece	38.0788N	23.5134E	97	
Magoula	MAGOA	Greece	38.0810N	23.5190E	177	
Magoula, Dorida, Central Greece	MG00	Greece	38.4150N	21.9471E	141	From 2013-02-05
Magruder Mountain	MGM	Nevada,U.S.A.	37.4411N	117.4961W	2148	
Maguayo	MGPB	Puerto Rico	18.0500N	67.0400W	60	
Maguayo	MGP	Puerto Rico	18.0076N	67.0891W	60	From 1975-11-14
Magueyes Island, Lajas, Puerto Rico	MLPR	Puerto Rico	17.9694N	67.0442W	12	From 2012-03-01
Maguga Dam	MAGG	Swaziland	26.0763S	31.2651E	677	
Mag Wash	MWA	Utah,U.S.A.	38.4981N	112.8470W	1878	
Magyarpolny	MPLH	Hungary	47.1702N	17.5395E	307	From 2013-10-08
Mahabad	IMAH	Iran	36.7666N	45.7167E	1344	From 1991-11-01
Mahabad	MAHB	Iran	36.7666N	45.7054E	1370	From 2013-03-10
Mahableshwar	MAH	Maharashtra,India	17.8900N	73.6500E	1382	
Mahakanadarawa	MALK	Sri Lanka	8.3968N	80.5425E	110	From 2010-04-10
Mahalah	MKHL	Saudi Arabia	17.3650N	42.6810E	116	
Mahdasht	IMHD	Iran	35.6853N	50.6675E	1150	From 1996-01-01
Mahe	SEY1	Seychelles	4.6150S	55.4908E	270	
Mahe Island	MSEY	Seychelles	4.6737S	55.4792E	475	
Mahia	MAHZ	North Island,New Zealand	39.1865S	177.8810E	336	From 1987-04-10 to 1997-08-04
Mahia Peninsula	MHGZ	North Island,New Zealand	39.1525S	177.9070E	302	From 2006-05-04
Mahidharpur,Odisha	MHDR	Orissa	20.6940N	85.1796E	114	From 2015-12-11
Mahoenui	MOZ	North Island,New Zealand	38.5040S	174.8032E	160	From 1989-09-28 to 2003-09-30
Mahon	MAHO	Balearic Islands,Spain	39.8959N	4.2665E	25	
Mahukona	MHA	Hawaii,U.S.A.	20.1878N	155.9030W	5	From 1983-01-01
Maiden Rock	H38A	Wisconsin,U.S.A.	44.6753N	92.2820W	333	From 2011-08-13 to 2013-06-06
Mailiao	WMLT	Taiwan region	23.8040N	120.2230E	12	From 2012-07-20
Mail Ridge	KMRM	California,U.S.A.	40.2220N	123.7086W	915	
Mains of Drumtochty	DRUM	Scotland,United Kingdom	56.9126N	2.4865W	208	From 2009-04-01
Maintong	ST12	Xizang Zizhiqu,China	31.6259N	89.8834E	4661	From 1998-07-08 to 1999-06-01
MAIO ISLAND INFRASONIC ARRAY REFERENCE POINT	I00M	Cape Verde Islands	15.2573N	23.1839W	44	From 2007-05-30
Maiskii, Chutkotka	MKI	Magadanskaya Oblast',Russia	68.9670N	173.7140E	261	From 1982-08-01 to 1994-06-01
Maissana	MSSA	Italy	44.3162N	9.5174E	930	From 2008-11-21
Maitland Drive Alameda	C044	California,U.S.A.	37.7308N	122.2312W	-5	From 2010-08-03
Maitri	MAIT	Dronning Maud Land	70.7760S	11.7360E	132	
Maitube	MTBS	Kazakhstan	43.1300N	76.4290E	1050	From 1984-09-01
Maizieres J'ville	MEZF	Champagne-Ardenne,France	48.5019N	5.0519E	245	
Maizuru	MAI	Kyoto,Japan	35.4717N	135.3870E	31	
Maizuru	MZH	Kyoto,Japan	35.4483N	135.3200E	21	
Maizuru 2	MZH2	Kyoto,Japan	35.4017N	135.3933E	170	From 1994-02-24
Majene	PMSI	Sulawesi,Indonesia	3.5008S	118.9149E	306	
Majene	MJSI	Sulawesi,Indonesia	3.5503S	118.9803E	97	From 2005-01-01
Majia	TSMG	Taiwan region	22.7054N	120.6448E	145	From 2014-07-28
Maji Moto Rd	MAJI	Tanzania,United Republic of Tanzania	3.6267S	35.2728E	1018	
Makambako	BAKO	Tanzania	8.8437S	34.8016E	1651	From 2014-07-01 to 2015-11-04
Makambako	MAKM	Tanzania,United Republic of Tanzania	8.8437S	34.8302E	1683	
Makanchi	MAKZ	Kazakhstan	46.8080N	81.9770E	570	From 1996-09-14
Makanchi Array Beam Reference Point	MKAR	Kazakhstan	46.7937N	82.2904E	615	
Makanchi Array site	MK05	Kazakhstan	46.7937N	82.2913E	615	From 2000-08-28
Makanchi Array site	MK01	Kazakhstan	46.7700N	82.3003E	609	From 2000-08-28
Makanchi Array site	MK02	Kazakhstan	46.7694N	82.3086E	639	From 2000-08-28
Makanchi Array site	MK03	Kazakhstan	46.7656N	82.3015E	630	From 2000-08-28
Makanchi Array site	MK04	Kazakhstan	46.7715N	82.2951E	589	From 2000-08-28
Makanchi Array site	MK06	Kazakhstan	46.7751N	82.3133E	637	From 2000-08-28
Makanchi Array site	MK07	Kazakhstan	46.7538N	82.3156E	627	From 2000-08-28
Makanchi Array site	MK08	Kazakhstan	46.7561N	82.2866E	607	From 2000-08-28
Makanchi Array site	MK09	Kazakhstan	46.7744N	82.2769E	579	From 2000-08-28
Makanchi Array site	MK31	Kazakhstan	46.7937N	82.2904E	609	From 2000-08-28
Makanchi Array site	MK32	Kazakhstan	46.7937N	82.2904E	609	From 2000-08-28
Makaopuhi	MKA	Hawaii,U.S.A.	19.3678N	155.1640W	881	From 1964-03-01 to 2002-10-16
Makara Radio	MRW	North Island,New Zealand	41.2295S	174.6999E	231	From 1976-01-26 to 2008-06-18
Makarska	MAKA	Croatia	43.2877N	17.0197E	45	
Makassar	MKS	Sulawesi,Indonesia	5.2178S	119.4700E	28	From 1970-06-01
Makatiti	MKRZ	North Island,New Zealand	38.1384S	176.4672E	963	From 2003-05-23
Makawir	MKRJ	Jordan	31.5522N	35.6408E	815	From 1983-09-01
Makayla and Karen, Gunnison	Y43A	Mississippi,U.S.A.	33.9121N	90.9285W	46	From 2011-04-13 to 2013-02-24
Makete	MAKE	Tanzania	9.2647S	34.0968E	2304	From 2013-08-09 to 2015-11-04
Makeyevka	MKY	Ukraine	48.0333N	37.9833E		
Makgori	MAKGR	Botswana	25.8118S	24.8008E	1158	
Makhachkala	MAK	Dagestan,Russia	42.9610N	47.5050E	42	
Maki	MAKK	Kumamoto,Japan	32.9173N	130.9279E	440	
Makkovik	MKVL	Newfoundland,Canada	55.0923N	59.1840W	79	From 2011-07-26
Makna	MKNA	Saudi Arabia	28.4380N	34.8750E	650	From 1993-07-01
Makongolosi	LOSS	Tanzania,United Republic of Tanzania	8.4167S	33.1575E	1209	
Makongolosi	LOSI	Tanzania	8.3872S	33.1682E	1233	From 2014-07-02 to 2015-11-04
Makova Hora	A076A	Czech Republic	49.6168N	14.1494E	532	From 2015-09-08
Makrakomi, Fthiotida	MAKR	Greece	39.0132N	22.1317E	532	From 2008-06-18
Makrino, N010	N010M	Greece	39.8647N	20.9678E	1004	
Makryloggos,Methana,Greece	MET5	Greece	37.6218N	23.3577E	394	From 2019-02-13
Maku	MAKU	Iran	39.3548N	44.6833E	1730	From 2004-04-03
Makukawa	MAKT	Fukushima,Japan	37.6792N	140.2494E	1240	
Makushin Cirque	MCIR	Alaska,U.S.A.	53.9513N	166.8918W	800	From 1996-08-01
Makushin Gods Own Repeater Site	MGOD	Alaska,U.S.A.	53.7947N	166.8725W	695	From 1996-08-01
Makushin Julie Andrews	MSOM	Alaska,U.S.A.	53.8165N	166.9490W	50	From 1996-08-01
Makushin Nateekin	MNAT	Alaska,U.S.A.	53.8838N	166.6833W	390	From 1996-08-01
Makushin Rep'tr	MREP	Alaska,U.S.A.	53.8105N	166.7456W	785	
Makushin Switchbacks	MSW	Alaska,U.S.A.	53.9147N	166.7827W	418	From 1996-08-01
Makushin Table Top	MTBL	Alaska,U.S.A.	53.9693N	166.6785W	865	From 1996-08-01
Makuyuni	KWSI	Tanzania,United Republic of Tanzania	3.4728S	36.2050E	1400	
Makuyuni S	MAKS	Tanzania,United Republic of Tanzania	3.6027S	36.0832E	1089	
Malabar	MLB	Jawa,Indonesia	7.2167S	107.6170E	1550	From 1911-01-01 to 1945-12-31
Malabar Farm State Park	MFOH	Ohio	40.6540N	82.3816W	375	From 2019-07-02 to 2500-12-31
Malad City	L15A	Idaho,U.S.A.	42.0041N	112.3860W	1645	From 2007-07-13 to 2009-05-05
Malad Range	MLI	Idaho,U.S.A.	42.0268N	112.1260W	1896	From 1974-10-01
Mala Drenova	MDRV	Serbia	43.6915N	21.0919E	0	
Maladroxia -SantAntioco (CI)	SU08	Sardinia	39.0123N	8.4277E	106	From 2014-09-25 to 2015-09-03
Malaga	EXMA	Spain	36.7260N	4.3930W	83	
Malaga	MAL	Spain	36.7275N	4.4111W	60	From 1915-01-01
Malaga-Limonero	EMAL	Spain	36.7620N	4.4292W	80	From 1993-05-20
Malaga, Loving	226A	New Mexico,U.S.A.	32.0618N	104.1014W	929	From 2008-03-22 to 2009-02-21
Malagash, Nova Scotia	MALG	Nova Scotia,Canada	45.7903N	63.3271W	22	From 2005-10-15
Malaho	MAOD	Djibouti	12.0944N	42.2253E	329	From 2004-01-01
Malamata, Dorida, Central Greece	MALA	Greece	38.3934N	21.8726E	-192	From 2012-12-15
Malambo SS	LL22	Kenya	2.5195S	35.5989E	1222	From 2013-01-18 to 2014-12-06
Malargue	PUMA	Mendoza,Argentina	35.4963S	69.4497W	500	From 2012-01-01
Malargue	EDS3	Mendoza,Argentina	35.7703S	69.3992W	1500	From 2012-01-01
Malargue	MORA	Mendoza	35.2915S	69.0117W	500	
Malaspina Glacier	MLA	Alaska,U.S.A.	59.7633N	140.1500W	46	
Malaspina Glacier	MLP	Alaska,U.S.A.	59.7633N	140.1500W	46	
Malatyaa	MYA	Turkey	38.3261N	38.4253E	1050	
Malatya	MALT	Turkey	38.3134N	38.4273E	1120	
Malatya	MLTT	Turkey	38.3542N	38.3617E	1170	From 1992-10-01 to 2002-04-25
Malatya_Hekimhani	HEKM	Turkey	38.8790N	37.9591E	1859	From 2011-11-30

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Malatya/Merkez	MAYA	Turkey	38.3253N	38.4253E	1067	From 2016-12-14
Malaya Ipel'ka	MIPR	Kamchatskaya Oblast',Russia	52.2761N	156.7581E	370	
Malazgirt-MUS	MLAZ	Turkey	39.1410N	42.5495E	1581	From 2012-11-26
Malcesine	AMAL	Italy	45.7989N	10.8399E	131	From 2017-11-16
Malcolm River	D27M	Yukon Territories,Canada	69.2430N	140.9648W	896	From 2017-08-20
Malden	MLD	Missouri,U.S.A.	36.5587N	89.9698W		From 1967-11-01 to 1969-11-30
Malden	MLDM	Missouri,U.S.A.	36.6250N	89.9195W	84	
Malelane, 3901	M3901	South Africa	25.4267S	31.4469E	354	
Malesina	MALES	Greece	38.6330N	23.2410E	251	
Malga Bissina	DBIS	Italy	46.0550N	10.5140E	1794	From 2017-05-30
Malga Bissina	MABI	Italy	46.0549N	10.5140E	1853	From 2003-12-17
Malga Boazzo	DBOA	Italy	45.9959N	10.5238E	1219	From 2017-11-09
Malga Garda, Italy	MGRD	Italy	45.9754N	12.0152E	1335	From 2010-06-08
Malga Giumela	DGIU	Italy	46.3409N	10.6125E	1943	From 2015-10-13
Malibu	MABC	British Columbia,Canada	50.1647N	123.8560W	75	From 1991-03-20
Malinalco, Edo de Mexico	MAVM	Mexico State,Mexico	18.9572N	99.4942W	1824	From 2009-07-01
Malinaltepec	MGIG	Guerrero	17.2336N	98.6338W	1510	From 2015-04-22
Malin Array Beam Reference Point	AKASG	Ukraine	50.7012N	29.2242E	160	
Malin Array Site 01	AK01	Ukraine	50.6911N	29.2131E	160	
Malin Array Site 02	AK02	Ukraine	50.6573N	29.2057E	170	
Malin Array Site 03	AK03	Ukraine	50.7263N	29.2217E	160	
Malin Array Site 04	AK04	Ukraine	50.7226N	29.1660E	160	
Malin Array Site 05	AK05	Ukraine	50.6197N	29.2036E	180	
Malin Array Site 06	AK06	Ukraine	50.5858N	29.1985E	190	
Malin Array Site 07	AK07	Ukraine	50.5507N	29.2044E	170	
Malin Array Site 08	AK08	Ukraine	50.6338N	29.2548E	122	
Malin Array Site 09	AK09	Ukraine	50.6151N	29.2846E	180	
Malin Array Site 10	AK10	Ukraine	50.5990N	29.2513E	180	
Malin Array Site 11	AK11	Ukraine	50.6784N	29.1677E	160	
Malin Array Site 12	AK12	Ukraine	50.6437N	29.1549E	180	
Malin Array Site 13	AK13	Ukraine	50.6123N	29.0606E	180	
Malin Array Site 14	AK14	Ukraine	50.6306N	29.1076E	180	
Malin Array Site 15	AK15	Ukraine	50.6951N	29.1240E	170	
Malin Array Site 16	AK16	Ukraine	50.6700N	29.1058E	170	
Malin Array Site 17	AK17	Ukraine	50.6851N	29.0574E	170	
Malin Array Site 18	AK18	Ukraine	50.7221N	29.0676E	170	
Malin Array Site 19	AK19	Ukraine	50.7222N	29.0116E	180	
Malin Array Site 20	AK20	Ukraine	50.7430N	29.0100E	170	
Malin Array Site 21	AK21	Ukraine	50.7764N	29.0419E	160	
Malin Array Site 22	AK22	Ukraine	50.7608N	29.0712E	160	
Malin Array Site 23	AK23	Ukraine	50.7625N	29.1254E	160	
Malin Array Site BB	AKBB	Ukraine	50.7012N	29.2242E	160	
Malindi	MALM	Malawi	14.3500S	35.3170E	496	
Malini	MII	Romania	47.4558N	26.0747E	400	
Malinovka, Kuzbass, Russia	MALIN	Kemerovskaya Oblast'	53.4210N	87.2763E	233	From 2010-11-02
Malkovo	MLK4	Sakhalinskaya Oblast',Russia	46.7695N	143.3545E	10	From 2003-01-01
Mallet	U28A	Texas,U.S.A.	36.3793N	102.2243W	1165	From 2009-04-16 to 2010-11-09
Mallorca	ETOS	Balearic Islands,Spain	39.7678N	2.8144E	480	
Malnas	MSR	Romania	46.0381N	24.8214E	640	From 1982-09-01
Malnisio	MLNI	Italy	46.1500N	12.6100E	814	
Malo, Barreiro	CVMA2	Cape Verde Islands	15.1347N	23.1612W	39	From 2007-12-01 to 2008-09-01
Malo, Calheta	CVMA1	Cape Verde Islands	15.2288N	23.2110W	9	From 2007-12-01 to 2008-09-01
Malo, Cascabulho	CVMA4	Cape Verde Islands	15.2699N	23.1733W	19	From 2007-12-01 to 2008-09-01
Malo-Kuril'sk	MLK*	Sakhalinskaya Oblast',Russia	43.8667N	146.8170E		
Malo Peshtene	MPEP	Bulgaria	43.3560N	23.7401E	339	From 2007-05-10
Malo Ribeira D. Joao	CVMA3	Cape Verde Islands	15.1441N	23.1216W	12	From 2007-12-01 to 2008-09-01
Malpasso	EMLP	Sicily,Italy	37.6842N	15.1778E	115	From 1994-10-01
Malpelo	MAPC	Colombia	4.0037N	81.6065W	137	From 2009-06-28
Malta	MLT	Malta	35.9000N	14.4800E	18	From 1982-07-01
Malta	L14A	Idaho,U.S.A.	42.0343N	113.2398W	1528	From 2007-07-17 to 2009-05-08
Maltahohe	MALTN	Namibia	24.8460S	16.9962E	1116	
Maltepe/Istanbul	KYSD	Turkey	40.9697N	29.1643E	412	From 2008-06-06
Malvaux	MLV	Bourgogne,France	47.2655N	3.0387E		
Malvern	MCJ	Jamaica	17.9250N	77.6870W	755	From 1977-02-20
Malvern Hills, CARD	CARDN	South Island	43.4251S	171.9437E	392	
Mambajao	MAM	Mindanao,Philippines	9.2500N	125.6000E		From 1917-01-01 to 1935-12-31
Mamelis	MAME	Netherlands	50.8004N	5.9733E	160	From 2009-03-10
Mamfe, CM18	ACM18	Cameroon	5.7230N	9.3550E	171	
Mamie plateau, Yate, New Caledonia	YATNC	New Caledonia	22.0590S	166.8910E	237	From 2012-03-20
Mammari	MAMC	Cyprus	35.1710N	33.2180E	240	From 1998-11-16 to 2013-07-31
Mammoth Hot Springs	MHS	Wyoming,U.S.A.	44.9770N	110.6850W		From 1964-01-01 to 1974-10-31
Mammoth Lakes	MLKM	California,U.S.A.	37.6641N	118.9765W	2644	
Mammoth Lakes Knolls	MMLB	California,U.S.A.	37.6591N	118.9791W	2656	
Mammoth, Mammoth Lakes	MLAC	California,U.S.A.	37.6302N	118.8361W	2162	From 1992-11-04
Mammoth Pass	MMPM	California,U.S.A.	37.6100N	119.0280W	2870	From 1983-08-26
Mammoth Summit	MMSM	California,U.S.A.	37.6304N	119.0317W	3324	
Mammoth Vault	YMV	Wyoming,U.S.A.	44.9737N	110.6888W	1829	
Mamou	MAMG	Guinea	10.2645N	11.9650W	773	From 1991-07-01
Mamou	442A	Louisiana,U.S.A.	30.7119N	92.4314W	15	From 2011-02-12 to 2012-11-28
Mamousia	MAMO	Greece	38.1520N	22.1443E	650	From 2001-12-10
Mamuju	MMSI	Sulawesi,Indonesia	2.6900S	118.9100E	221	From 2008-01-01
Manab - Cojimies	ACJS	Ecuador	0.3663N	80.0384W	5	From 2018-02-01
Manabi, Bahia de Caraquez, Distrito de Educacion	ABH3	Ecuador	0.5986S	80.4228W	3	From 2018-06-13
Manacapuru-AM	MACA	Brazil	3.1615S	60.6838W	75	From 2014-01-30
Manaccan	CMA1	England,United Kingdom	50.0821N	5.1274W	42	From 1993-01-01
Manadas	PMAN	Azores,Portugal	38.6327N	28.0890W	180	
Manado	MNI	Sulawesi,Indonesia	1.4439N	124.8399E	191	From 1972-01-01
Managua	MGA1	Nicaragua	12.1490N	86.2483W	8	
Managua	MGAN	Nicaragua	12.1468N	86.2472W	80	
Manakhah	MNKH	Yemen	15.0652N	43.7500E	0	
Manam	AMAN	Egypt	23.9333N	32.9340E		
Manamana	MANV	Venezuela	9.7992N	70.7962W		
Manantiales	MAA	Mendoza,Argentina	32.0839S	69.8500W		
Manas	MNAS	Kyrgyzstan	42.4870N	72.5040E	1515	
Manas	MNSR	Dagestan,Russia	42.7028N	47.7194E	-20	
Manavgat-Antalya	MNVG	Turkey	36.7935N	31.4161E	24	From 2012-04-01
Manawahe	MANNZ	New Zealand	37.9588S	176.6695E	298	
Manawahe	MARZ	North Island,New Zealand	37.9849S	176.6747E	480	From 1992-06-16
Mancha de Ca Pechiches	PECV	Ecuador	0.7773S	80.0488W	442	From 2008-06-06
Manchester	MX-TN	Tennessee,U.S.A.	35.5503N	86.2700W	305	From 1962-11-14 to 1962-12-12
Manchester	MNWA	Washington,U.S.A.	47.5650N	122.5341W	1554	From 2002-11-01
Manchester	MX-	Tennessee,U.S.A.	35.5503N	86.2700W	305	From 1962-11-14 to 1962-12-12
Manchester OK Station	KAN14	Kansas,U.S.A.	36.9568N	97.9630W	363	From 2014-08-20
Manda	MANDA	Tanzania	10.4782S	34.6005E	511	From 2014-07-05 to 2015-11-04
Mandailing Natal	MNSI	Sumatera,Indonesia	0.7955N	99.5796E	0	From 2007-12-01
Mandalay	MND	Myanmar	22.0157N	96.1148E	93	From 1966-10-01 to 1999-08-25
Mandana Bl Oakland	C005	California,U.S.A.	37.8107N	122.2361W	187	From 2009-04-06
Mandiavato	MDSM	Madagascar	19.0852S	47.0306E	1511	
Mandileni	MDL	Cape Province,South Africa	30.7100S	28.8000E	1320	From 1988-01-01 to 1999-12-31
Mandra	S023	Greece	38.1050N	23.5920E	238	
Mandra,Attica,Greece	PARN3	Greece	38.0711N	23.5033E	120	From 2019-07-20
Mandvi	MAND	Gujarat,India	22.8428N	69.2861E	8	From 2012-01-01
Manetin	A073A	Czech Republic	49.9916N	13.2331E	407	From 2015-09-23
Manfredonia (FG) Italy	OT12	Italy	41.6318N	15.9078E	14	From 2013-04-15
Mangahao	MNG	North Island,New Zealand	40.6170S	175.4822E	396	From 1965-11-16 to 1994-10-19
Mangahewa	MHEZ	North Island,New Zealand	39.0761S	174.3231E	194	From 2008-03-04
Mangalia	MANR	Romania	43.8168N	28.5876E	71	From 2008-10-02
Mangalia Port-Far Verde	TSMN	Romania	43.8010N	28.5950E	70	From 2013-05-10
Mangalore	MNGI	Karnataka,India	12.9417N	74.8227E		
Mangatainoka River	MRZ	North Island,New Zealand	40.6605S	175.5786E	286	From 1992-04-08
Mangateitei	MTVZ	North Island,New Zealand	39.3846S	175.4704E	840	From 2005-03-15
Mangit	MNGT	Uzbekistan	42.1069N	60.0546E	97	
Mangla	MNL	Pakistan	33.1472N	73.7500E	436	
Mangone	MANE	Italy	39.2018N	16.3375E	825	From 2018-05-23
Mangrove Creek Dam	MGCD	New South Wales,Australia	33.2096S	151.1092E	219	From 1997-11-05
Manhattan	AMNH	New York,U.S.A.	40.7808N	73.9738W		
Manhattan	MHT	Kansas,U.S.A.	39.1997N	96.5806W	339	
Manhattan	MHK	Kansas,U.S.A.	39.1874N	96.5792W	318	From 1974-11-19 to 2001-07-15
Manica	MANI	Mozambique	18.9482S	32.8843E	1300	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Manicaragua	MGV	Cuba	22.1100N	79.9800W		
Manicouagan	MNQ	Quebec,Canada	50.5333N	68.7744W	564	From 1974-11-27
Manicuare_ULA	MANC	Venezuela	10.5612N	64.1888W	15	
Manihiki	MNHK	Cook Islands	10.4150S	161.0330W	1	
Manila	MAN	Luzon,Philippines	14.6600N	121.0780E	70	From 1949-01-01
Manila South	MSAR	Arkansas,U.S.A.	35.7842N	90.1469W	69	
Manipur University	MUM	Manipur,India	24.7498N	93.9242E	784	
Manisa	MANT	Turkey	38.4908N	28.5578E	2008	From 2002-12-12
Maniwaki	MIQ	Quebec,Canada	46.3667N	75.9667W	199	From 1974-02-27 to 1981-04-30
Manizales, Caldas	CMAN1	Colombia	5.0715N	75.5244W	2237	From 1996-09-02
Mankato	KS24	Kansas,U.S.A.	39.7865N	98.2095W	551	From 2017-06-27 to 2017-11-02
Mankato Kansas Deployment Site 1	KS22	Kansas,U.S.A.	39.7859N	98.1626W	533	From 2017-06-22 to 2017-11-02
Manley	MLY	Alaska,U.S.A.	65.0308N	150.7390W	804	From 1990-09-25
Manna	MNAI	Sumatera,Indonesia	4.3605S	102.9557E	154	From 2006-07-27
Mann Creek Ranch, Princeton	K08A	Oregon,U.S.A.	42.7308N	118.4864W	1391	From 2006-06-29 to 2008-04-08
Mannheim	MANN	Baden-Wurttemberg	49.4900N	8.4623E	91	From 2016-01-01
Manning	D26A	North Dakota,U.S.A.	47.0301N	102.4357W	693	From 2009-07-23 to 2011-07-27
Manning	MANA	Alberta,Canada	56.8554N	117.6367W	480	From 2009-10-18
Manning Farm, Rocklake	A29A	North Dakota,U.S.A.	48.9228N	99.2321W	480	From 2009-08-20 to 2011-07-19
Manof	MNFI	Israel	32.8510N	35.2360E	350	
Manokwari, Papua	MWPI	Irian Jaya,Indonesia	0.9300S	134.0400E	70	From 2008-01-01
Manonville	MANO	Lorraine	48.8277N	5.9225E	268	From 2018-07-05
Manonville, 54348, Meurthe-et-Moselle, Alsace-Champagne-Ardenne-Lorraine	A210A	France	48.8277N	5.9225E	273	From 2016-05-19
Mansa	MZZ	Zambia	11.1422S	28.8760E	1256	From 1984-01-01
Mansfield	O44A	Illinois,U.S.A.	40.1526N	88.4671W	213	From 2011-10-15
Mansfield	T40A	Missouri,U.S.A.	37.1504N	92.5193W	399	From 2010-12-14 to 2012-10-31
Mansion, MANS	MANSI	Costa Rica	10.0985N	85.3811W	118	
Manso	MSB	Mato Grosso,Brazil	14.8864S	55.8172W	360	
Manta	AMANT	Ecuador	0.9408S	80.7345W	38	From 2010-08-26
Manta-Manabi	AMNT	Ecuador	0.9409S	80.7346W	38	From 2015-05-27
Manteigas	MTE	Portugal	40.3997N	7.5442W	815	From 1974-12-10
Manter	S28A	Kansas,U.S.A.	37.5899N	101.8979W	1064	From 2009-04-10 to 2011-03-15
Manton Dam	MTN	Northern Territory,Australia	12.8436S	131.1327E	137	From 1972-06-01
Mantova	MTVA	Italy	45.1579N	10.7849E	35	From 2019-07-31
Mantova	MNTV	Italy	45.1495N	10.7897E	36	From 2009-07-29
Manual Prospect Mine,Trona	MPMC	California,U.S.A.	36.0580N	117.4890W	1839	From 1998-06-25
Manuel Antonio, MAN	CMAN	Costa Rica	9.3815N	84.1428W	41	From 2002-10-01 to 2003-03-15
Manuel Ranch, Winnett	D20A	Montana,U.S.A.	47.0911N	108.1362W	902	From 2008-08-15 to 2010-06-05
Manus Island	MANU	Papua New Guinea	2.0432S	147.3662E	141	From 2009-04-01
Manyara 2	MAN2	Tanzania,United Republic of Tanzania	3.3960S	35.8117E	1222	
Manyatta Coffee Estate	COFF	Tanzania,United Republic of Tanzania	3.3948S	36.8745E	1122	
Manyoni	MANYT	Tanzania,United Republic of Tanzania	5.7438S	34.8383E	1258	
Manysh	MNYS	Turkmenistan	37.7720N	58.6080E	680	
Manzanillo	MNZ	Colima,Mexico	19.0542N	104.3306W	60	
Manzanita Entrance	LMEM	California,U.S.A.	40.5378N	121.5700W	1753	From 1988-11-04
Manzanita Lake	MLC	California,U.S.A.	40.5367N	121.5620W	1800	From 1956-06-01
Manzanita Lake	LMZM	California,U.S.A.	40.5443N	121.5640W	329	From 1976-11-12
Manzenberg	MANZ	Bayern,Germany	49.9862N	12.1083E	638	From 1996-07-31
Manzhou Township	SMST	Taiwan region	22.0204N	120.8370E	53	From 2015-12-04
Mao	MAO1	Dominican Republic	19.5513N	71.0811W	80	From 2011-06-16
Mao Valverde	MADR	Dominican Republic	19.5659N	71.1025W	90	From 2013-05-11
Mapaga	MPSI	Sulawesi,Indonesia	0.3374N	119.8980E	0	From 2007-12-01
Mapinhane	MAPI	Mozambique	22.2486S	35.0917E	39	From 2010-05-25
Mapinhane	MAPH	Mozambique	22.2500S	35.0800E	42	
Maple Bay	SHDB	British Columbia,Canada	48.7970N	123.6360W	55	From 2003-02-28
Maple Canyon	MPU	Utah,U.S.A.	40.0155N	111.6333W	1909	
Maple Creek	YMC	Wyoming,U.S.A.	44.7593N	111.0060W	2073	From 1974-10-01
Maple Falls	A05A	Washington,U.S.A.	48.9983N	122.0852W	174	From 2005-11-25 to 2009-01-08
Maple Grove Farm, Niagara	F42A	Wisconsin,U.S.A.	45.7587N	88.1347W	358	From 2011-09-09 to 2013-11-27
Mapleton	I02A	Oregon,U.S.A.	44.0035N	123.8299W	170	From 2005-11-17 to 2008-01-22
Maple valley SMO-IDS24	MPL	Washington,U.S.A.	47.4684N	122.1858W	122	From 1997-01-01
Maputo	LMM	Mozambique	25.9686S	32.5942E	55	
Maracay	MARA	Venezuela	10.3239N	67.6069W	1200	From 1984-01-01 to 1999-08-25
Maragondon, Cavite	MACP	Luzon	14.2630N	120.7186E	20	From 2014-12-10
Marais du Vigueirat, 13004, Arles, Bouches-du-Rhone	A201A	France	43.5006N	4.7917E	5	From 2016-04-07 to 2016-08-11
Marana (Italy)	MARN	Italy	45.6378N	11.2099E	550	From 2009-11-27
Marand	IMRD	Iran	38.7133N	45.7030E	1684	From 1995-08-01
Marapu	PGMAR	New Britain,Papua New Guinea	5.5830S	150.7675E	110	
Maratea	BMAT	Italy	39.9900N	15.7184E	69	From 2009-10-28
Marathon	MTX	Texas,U.S.A.	30.3079N	103.2542W	1363	
Marathon	062Z	Florida,U.S.A.	24.7266N	81.0523W	5	From 2012-05-15
Maraveh tapeh	MRVT	Iran	37.6593N	56.0893E	870	From 2006-03-18
Marayes	AMAR	San Juan,Argentina	31.4555S	67.3278W	615	
Marble Bar	MBL	Western Australia,Australia	21.1600S	119.8330E	200	From 1976-06-23 to 2006-05-29
Marble Bar	MBWA	Western Australia,Australia	21.1590S	119.7312E	194	From 2001-08-25
Marble Bar	MBT	Western Australia,Australia	21.1700S	119.7420E	200	From 1972-10-01 to 1976-06-23
Marble Canyon	MCA	California,U.S.A.	36.6466N	117.2805W	303	From 1979-01-23
Marblemount	B06A	Washington,U.S.A.	48.5183N	121.4845W	75	From 2006-09-17 to 2008-11-12
Marchena, Sevilla	E012	Spain	37.3710N	5.5248W	144	From 2007-10-30 to 2009-07-07
Marchtrenk	A024A	Austria	48.2131N	14.1367E	303	From 2015-06-24 to 2016-08-30
Marco	AMRC	Italy	45.8515N	11.0189E	201	From 2005-07-14
Marconi Conference Center, Marshall	MCCM	California,U.S.A.	38.1448N	122.8802W	-7	From 2006-02-03
Marcus Island	MCS	Marcus Island,Japan	24.2900N	153.9880E		From 1966-01-01 to 1970-12-31
Marden Senior College	AUMAR	South Australia,Australia	34.8900S	138.6400E	153	From 2013-08-11
Mardin	MARD	Turkey	37.3139N	40.7789E	1290	From 2005-06-24
Mardin/Midyat-Merkez	MIDY	Turkey	37.4063N	41.3983E	972	From 2014-12-01
MARE	CMARE	Costa Rica	8.6874N	83.7047W	60	From 1999-09-01 to 1999-10-04
Marechal Candido Rondon	MCR1	Brazil	24.4590S	54.0366W	326	From 2016-03-01
Mared	SMRD	Iran	30.4979N	48.3069E	5	From 2010-08-11
Maredsous	BMRD	Belgium	50.3025N	4.7675E	215	From 1997-09-25
Mare, Loyalty Islands, New Caledonia	MARNC	Loyalty Islands,New Caledonia	21.4809S	168.0305E	44	From 2011-11-03
Mareno di Piave, Italy	MMAR	Italy	45.8419N	12.3602E	33	From 2010-06-07
Mareth	MART	Tunisia	33.5768N	10.2495E	140	
Marewa	MRH	North Island,New Zealand	39.4974S	176.8885E	4	From 1987-03-19 to 1989-08-03
Margaret Lake	MGTN	Northwest Territories,Canada	63.6856N	109.5911W	411	
Marguerite Bay	ANC	Antarctic Peninsula	68.1944S	67.0000W	7	
Maria Elena	MACH	Antofagasta,Chile	22.1955S	69.7577W	2003	From 2007-11-21
Mariana Trench, MRG03	MRG03	Mariana Islands	17.0504N	145.0403E	-3800	
Mariana Trench, MRG04	MRG04	Mariana Islands	17.1482N	144.0892E	-4326	
Mariana Trench, MRG16	MRG16	Mariana Islands	17.7750N	145.0182E	-3471	
Mariana Trench, MRG22	MRG22	Mariana Islands	17.9367N	146.4181E	-3417	
Mariana Trench, MRG40	MRG40	Mariana Islands	18.2053N	144.6745E	-3701	
Mariana Trench, MRG42	MRG42	Mariana Islands	18.2504N	145.1378E	-3744	
Mariana Trench, MRG46	MRG46	Mariana Islands	18.3582N	146.1356E	-3373	
Mariana Trench, MRG58	MRG58	Mariana Islands	17.4189N	141.9958E	-4474	
Mariana Trench, OBS02	MTR02	Mariana Islands	16.8998N	146.5501E	-3492	
Mariana Trench, OBS06	MTR06	Mariana Islands	16.0834N	145.1657E	-3608	
Mariana Trench, OBS07	MTR07	Mariana Islands	16.4604N	147.2519E	-3224	
Mariana Trench, OBS08	MTR08	Mariana Islands	16.5206N	147.1191E	-3541	
Mariana Trench, OBS09	MTR09	Mariana Islands	16.6002N	147.2499E	-3334	
Mariana Trench, OBS10	MTR10	Mariana Islands	17.5614N	143.1964E	-2418	
Mariana Trench, OBS11	MTR11	Mariana Islands	17.6304N	143.8576E	-3889	
Mariana Trench, OBS12	MTR12	Mariana Islands	17.6787N	144.2322E	-3948	
Mariana Trench, OBS14	MTR14	Mariana Islands	17.7450N	144.7803E	-3671	
Mariana Trench, OBS15	MTR15	Mariana Islands	17.7677N	144.9094E	-4152	
Mariana Trench, OBS17	MTR17	Mariana Islands	17.8033N	145.2489E	-3595	
Mariana Trench, OBS18	MTR18	Mariana Islands	17.8309N	145.4667E	-3244	
Mariana Trench, OBS19	MTR19	Mariana Islands	17.8577N	145.7169E	-2882	
Mariana Trench, OBS20	MTR20	Mariana Islands	17.8849N	145.9510E	-2702	
Mariana Trench, OBS21	MTR21	Mariana Islands	17.9114N	146.1851E	-2602	
Mariana Trench, OBS23	MTR23	Mariana Islands	17.9659N	146.7163E	-3491	
Mariana Trench, OBS25	MTR25	Mariana Islands	18.0333N	147.2825E	-3723	
Mariana Trench, OBS26	MTR26	Mariana Islands	18.1624N	148.4979E	-5923	
Mariana Trench, OBS27	MTR27	Mariana Islands	17.8880N	144.7443E	-3883	
Mariana Trench, OBS28	MTR28	Mariana Islands	17.9158N	144.8412E	-4624	
Mariana Trench, OBS29	MTR29	Mariana Islands	17.9229N	144.9672E	-3740	
Mariana Trench, OBS31	MTR31	Mariana Islands	18.0605N	144.7835E	-4386	
Mariana Trench, OBS32	MTR32	Mariana Islands	18.0809N	144.9098E	-3565	
Mariana Trench, OBS33	MTR33	Mariana Islands	17.9072N	144.1998E	-3847	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Mariana Trench, OBS34	MTR34	Mariana Islands	17.9404N	144.4809E	-3880	
Mariana Trench, OBS36	MTR36	Mariana Islands	18.0529N	145.4317E	-3176	
Mariana Trench, OBS37	MTR37	Mariana Islands	18.1345N	146.1582E	-3034	
Mariana Trench, OBS38	MTR38	Mariana Islands	18.1297N	144.1725E	-4154	
Mariana Trench, OBS43	MTR43	Mariana Islands	18.2762N	145.3824E	-3338	
Mariana Trench, OBS44	MTR44	Mariana Islands	18.3027N	145.6191E	-2585	
Mariana Trench, OBS45	MTR45	Mariana Islands	18.3311N	145.9002E	-2669	
Mariana Trench, OBS47	MTR47	Mariana Islands	18.2501N	145.7693E	-1898	
Mariana Trench, OBS48	MTR48	Mariana Islands	18.1085N	145.9230E	-2247	
Mariana Trench, OBS49	MTR49	Mariana Islands	17.9595N	145.7990E	-2287	
Mariana Trench, OBS50	MTR50	Mariana Islands	18.0984N	145.6161E	-2339	
Mariana Trench, OBS51	MTR51	Mariana Islands	18.3497N	147.1013E	-2757	
Mariana Trench, OBS52	MTR52	Mariana Islands	19.4504N	145.6001E	-2475	
Mariana Trench, OBS53	MTR53	Mariana Islands	18.7006N	143.6993E	-3656	
Mariana Trench, OBS55	MTR55	Mariana Islands	19.4498N	146.8497E	-4735	
Mariana Trench, OBS57	MTR57	Mariana Islands	19.5999N	143.4003E	-4070	
Marianna	452A	Florida,U.S.A.	30.8492N	85.1830W	35	From 2012-02-04
Mariato, Veraguas	MARI3	Panama	7.6490N	80.9900W	60	From 2010-01-01
Mariazell	MZA	Austria	47.7703N	15.3283E	990	
Ma'rib	MARB	Yemen	15.4640N	45.3200E	1120	From 1994-11-01
Maricao	MRCP	Puerto Rico	18.1770N	67.0310W	330	
Marico , Northwest	MRCO	South Africa	25.4720S	26.4006E	1093	From 2017-03-29
Maricopa	MARC	California,U.S.A.	35.0025N	119.3390W	436	
Maricunga	AC02	Atacama,Chile	26.8355S	69.1291W	3980	From 2014-02-04
Marie-Galante	MGG	Guadeloupe,France	15.9180N	61.3168W	51	
Mariental	MARIN	Namibia	24.5985S	17.9314E	1439	
Marienthal	R29A	Kansas,U.S.A.	38.4243N	101.1383W	957	From 2009-04-17 to 2011-03-18
Mariestad	MRE	Sweden	58.6170N	13.7460E		From 1980-01-01 to 1991-12-31
Marietta	Y35A	Oklahoma,U.S.A.	33.9059N	97.0374W	214	From 2010-04-25 to 2012-01-31
Marietta College	MACO	Ohio,U.S.A.	39.4166N	81.4491W	193	
Marignana, 2A154, Corse-du-Sud, Corse	A208A	France	42.2326N	8.7937E	830	From 2016-09-15
Marignano (AQ), Italy	MB07	Italy	42.5304N	13.2648E	827	From 2016-11-30 to 2016-12-12
Marineo	MARIO	Italy	37.9544N	13.4329E	683	From 2019-02-15
Marine on St. Croix	SPMN	Minnesota,U.S.A.	45.2246N	92.8037W	311	From 2008-08-28
Marin Headlands	MHDL	California,U.S.A.	37.8421N	122.4940W	0	
Marino	MA9	Italy	41.7702N	12.6593E	340	From 2000-05-11
Marion BPA Site DOGAMI SMO	MRIN	Oregon,U.S.A.	44.8002N	122.6995W	187	From 2002-03-19
Marion Center	N55A	Pennsylvania,U.S.A.	40.7808N	78.9862W	559	From 2012-12-13
Marion Island	MIO	Prince Edward Islands,South Africa	46.9583S	37.9000E	10	
Mariponipon	MRPI	Sumatera,Indonesia	1.6125N	99.3172E	1100	
Marisa	MRSI	Sulawesi,Indonesia	0.4771N	121.9406E	0	From 2007-12-01
Mariscal Sucre-Volc¡n Cotopaxi	SUCR	Ecuador	0.6401S	78.4945W	3650	From 2015-07-23
Marisel-Cluj	MARR	Romania	46.6760N	23.1189E	1135	From 2016-09-21
Marituj	MRU	Irkutskaya Oblast'	51.7633N	104.1133E	564	From 1911-01-01 to 1912-12-31
Markates	MRKA	Greece	38.7058N	23.5875E	424	From 2008-10-16
Markates	VMA	Greece	38.7058N	23.5876E	468	From 1983-01-01
Marked Tree	MK-AR	Arkansas,U.S.A.	35.5589N	90.2653W	61	
Marked Tree	MK-	Arkansas,U.S.A.	35.5589N	90.2653W	61	
Market Rasen	LMK	England,United Kingdom	53.4569N	0.3266W	130	From 1991-01-01
Markovo, Chukotka	MKV	Kamchatskaya Oblast',Russia	64.6840N	170.4120E	25	From 1985-10-01 to 1992-04-01
Marks Point, NSW, Australia	MKPT	New South Wales,Australia	33.0556S	151.6432E	20	From 2005-09-01 to 2012-07-30
Mark West Springs	MAC	California,U.S.A.	38.5505N	122.7230W	134	From 1970-08-14
Mark W Springs	NMWM	California,U.S.A.	38.5505N	122.7230W	134	From 1970-08-14
Marlboro	MARL	Vermont,U.S.A.	42.7990N	72.8378W	580	From 1977-08-08 to 1983-02-25
Marlette	J49A	Michigan,U.S.A.	43.3600N	83.1389W	253	From 2012-10-16
Marlinton	R55A	West Virginia,U.S.A.	38.2825N	80.1195W	833	From 2013-01-22
Marlo Lake	MLON	Northwest Territories,Canada	63.9696N	109.8953W	418	
Marmara adas, BALIKESR	MADA	Turkey	40.5892N	27.5540E	112	From 2019-12-06
Marmara Adasi	MRMT	Turkey	40.6032N	27.5957E	800	
Marmaraadasi Cinnet	MAR1	Turkey	40.6533N	27.6633E	28	From 2009-01-01
Marmara Ereglisi-Tekirdag	BOTS	Turkey	40.9901N	27.9810E	31	From 2011-01-01
Marmara-Ereglisi-Tekirdag	SBT3	Turkey	40.8847N	27.9751E	-1204	From 2011-01-21
Marmara Sea	SB02	Turkey	40.9668N	28.4471E	-65	From 2013-12-29
Marmari	MRMA	Greece	38.0573N	24.3792E	300	From 2008-10-14
Marmari	S029	Greece	38.0750N	24.3660E	263	
Marmaris-Mugla	MRSB	Turkey	36.7160N	28.1967E	402	From 2011-04-07
Marmaro, Chios	EAG2	Greece	38.5438N	26.1079E	1	
Marmelete	MORF	Portugal	37.3044N	8.6526W	564	
Marmol	MRL	Guatemala	15.0812N	89.6838W	1850	From 1979-10-01
Marcsa	A273A	Hungary	45.9163N	17.8161E	100	From 2016-03-02
Maroera	MARNZ	New Zealand	38.1762S	177.0360E	106	
Marolino	PP3	Italy	43.3778N	13.6095E	25	
Maron	MAJ	Jawa,Indonesia	7.5667S	110.4170E		
Marquesado	RTMQ	San Juan,Argentina	31.5057S	68.6667W	798	
MARQUESAS ISLAND INFRASONIC ARRAY REFERENCE POINT	I21FR	Marquesas archipelago	8.8678S	140.1591W	806	From 2005-03-29
Marquette Ranch, East Glacier	B14A	Montana,U.S.A.	48.3609N	113.2729W	1529	From 2007-09-14 to 2009-08-10
Marrel Ranch, Paradise Valley	M09A	Nevada,U.S.A.	41.4230N	117.4497W	1355	From 2006-04-26 to 2008-04-01
Marsad	MRSJ	Jordan	29.6850N	35.3219E	810	From 1990-03-15
Marsala (TP) Italy	MARS	Italy	37.7532N	12.5647E	65	From 2017-10-18
Marsa Matruh	MMT	Egypt	31.3800N	27.2750E		From 1975-01-01 to 1980-12-31
Marseilles	MAR	Provence-Cote d'Azur,France	43.3053N	5.3939E	75	
Marsico Nuovo (PZ)	MRN3	Italy	40.4256N	15.7296E	772	
Marsico Vetere	MARE	Italy	40.3932N	15.8113E	1030	
Marsite Station 2 Hoskoy	MAR2	Turkey	40.7172N	27.3123E	14	From 2014-02-01
Marsite Station 4	MAR4	Turkey	40.7880N	27.3007E	905	From 2014-02-01
Marsite Station Cinarli Koyu	MAR8	Turkey	40.6121N	27.5348E	28	From 2014-02-01
Marsite Station Guzelkoy	MAR3	Turkey	40.7432N	27.2945E	243	From 2014-02-01
Marsite Station Kirazli	MAR6	Turkey	40.7041N	27.2653E	334	From 2014-02-01
Marsite Station Marmara Adasi	MAR9	Turkey	40.6196N	27.7020E	99	From 2014-02-01
Marsite Station Mursalli	MAR7	Turkey	40.7281N	27.2353E	342	From 2014-02-01
Marsite Station Ucmakdere	MAR5	Turkey	40.7954N	27.3660E	104	From 2014-02-01
Marston	MARMO	Missouri,U.S.A.	36.5300N	89.6690W	82	
Martakert	MTKZ	Karabakh	40.2000N	46.8200E	480	From 1998-01-01
Martiadasi	MRTI	Turkey	40.8196N	29.1127E	26	From 2009-05-25
Martigny, Rue d'Octodure	SMAO	Switzerland	46.0988N	7.0748E	475	From 2012-03-01
Martimbang	MARI	Sumatera,Indonesia	1.9603N	98.9681E	1680	
Martinez Indian Reservation	MIRC	California,U.S.A.	33.4162N	116.0810W	91	
MARTIN GARCIA	MGBA	Buenos Aires,Argentina	34.1875S	58.2563W	27	From 1994-04-08
Martino	S025	Greece	38.5660N	23.2130E	301	
Martinsdale	E17A	Montana,U.S.A.	46.4620N	110.8576W	1835	From 2007-09-13 to 2009-09-07
Martinsville	P47A	Indiana,U.S.A.	39.4869N	86.2692W	246	From 2011-10-19
Martis Peak	MPK	California,U.S.A.	39.2957N	120.0300W	2484	From 1973-04-01
Martorano (FC)	A309A	Italy	44.1704N	12.2445E	31	From 2015-10-28
Martos, Jaen	E024	Spain	37.7225N	3.9241W	1239	From 2007-07-02 to 2009-06-24
Martuni	MTNZ	Karabakh	39.7970N	47.1140E	400	From 1998-01-01
Martvili	MARV	Georgia,Georgia	42.4100N	42.3800E	190	
Marumori	JMM	Miyagi,Japan	37.8660N	140.7930E	100	
Maruseppu	JMP	Abashiri,Japan	44.0070N	143.3597E	460	
Maruska	MAUC	Czech Republic	49.3655N	17.8278E	659	From 2016-05-03
Maruska	A090A	Czech Republic	49.3655N	17.8278E	659	From 2015-09-24
Marvell	X43A	Arkansas,U.S.A.	34.5180N	90.8812W	53	From 2011-05-18
Marv??o	PMRV	Portugal	39.4283N	7.3917W	430	From 2007-07-01
Mary	MRY	Turkmenistan	37.6000N	61.8667E		
Maryeong	MALA0	Republic of Korea	35.7445N	127.3478E	285	From 2018-03-09
Maryino	MRNR	Krasnodarskiy Kray	43.9370N	39.4790E	360	From 2017-11-19
Mary Lake	YML	Wyoming,U.S.A.	44.6053N	110.6432W	2653	
Mary Lake	YPML	Wyoming,U.S.A.	44.6028N	110.6063W	2519	
Maryland--Naval Ordinance Lab	NLM	Maryland,U.S.A.	39.0324N	76.9805W	114	From 1962-01-01 to 1972-12-31
Mary Lane Ranch, Marfa	526A	Texas,U.S.A.	30.0609N	104.0898W	1405	From 2008-03-05 to 2010-02-09
Marymoor Park	MARYW	Washington,U.S.A.	47.6625N	122.1211W	11	
Mary River	MRYN	Northwest Territories,Canada	71.3328N	79.3795W	0	From 2011-08-01
Mary's Peak	MPOR	Oregon,U.S.A.	44.5048N	123.5500W	1249	From 1990-08-01
Marysvale	MVU	Utah,U.S.A.	38.5037N	112.2123W	2239	
Marysvale	MSU	Utah,U.S.A.	38.5123N	112.1772W	2105	From 1975-11-01
Marysville	MV-CL	California,U.S.A.	39.2131N	121.2931W	183	From 1961-10-22 to 1966-03-12
Marysville	MV-	California,U.S.A.	39.2131N	121.2931W	183	From 1961-10-22 to 1966-03-12
Maryville	MVLT	Tennessee,U.S.A.	35.7340N	83.9420W		From 1984-01-29
Maryville College	MVMO	Missouri,U.S.A.	38.6465N	90.5009W	183	
Masachapa	MCH	Nicaragua	11.8747N	86.5287W	147	From 1975-01-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Masada	MZBI	Israel	31.3126N	35.3580E	-316	From 2010-06-27
Masada	MZDA	Israel	31.3096N	35.3628E	-275	From 1991-05-01
Masada	MSDA	Israel	31.3200N	35.2900E	400	
Masafi	MASF	Qatar	25.3712N	56.1592E	548	From 2010-12-19
Masamba	MSSI	Sulawesi,Indonesia	2.5547S	120.3241E	111	From 2005-01-01
Masan	KSMAS	Republic of Korea	35.1706N	128.5725E	78	From 2000-12-05
Masaya	MASN	Nicaragua	11.9873N	86.1513W	500	
Masbate	MMPH	Luzon,Philippines	12.3580N	123.6240E	11	
Masc	MASC	Cuba	20.1750N	74.2310W		
Mascalucia	SMET	Italy	37.5784N	15.0547E	599	From 2008-02-06
Mas de Barberans	CMAS	Spain	40.7267N	0.3150E	530	From 2006-04-01
Mash`abbe Sade	MASH	Israel	30.9960N	34.7850E	365	
Mashabei Sadeh, MSH	MSHI	Israel	31.0012N	34.7883E	365	From 1996-03-01 to 2001-07-31
Mashad	MHI	Iran	36.3088N	59.4703E	1150	From 1975-09-15
Mashad	ISRO	Iran	36.3088N	59.4703E	1050	From 2007-03-01
Mashhad	MSH	Iran	36.3111N	59.5878E	987	From 1965-09-17 to 1975-09-06
Mashhad	MSHD	Iran	36.3114N	59.5351E	1021	From 2014-03-21
Mashhad (SRO)	MAIO	Iran	36.3083N	59.4717E	1150	From 1975-10-01
Mashhad University	MUI	Iran	36.3117N	59.6050E	1000	From 1972-01-01
Mashibuluo	MASBT	Taiwan region	22.6119N	120.6328E	139	From 2007-11-02
Masjed Soleyman	MSHA	Iran	31.9000N	49.3000E		
Maskali	MKL	Djibouti	11.7123N	43.1498E	5	
Masohi	MSAI	Moluccas,Indonesia	3.3461S	128.9285E	82	From 2005-01-01
Masoko	CRTR	Tanzania	9.3318S	33.7513E	916	From 2013-08-10 to 2015-11-04
Mason Butte	MAS	Idaho,U.S.A.	46.6327N	116.3580W	1141	From 1971-10-01 to 1976-01-14
Mason Hall	ATWT	Tennessee	36.2175N	89.0883W	82	From 1989-10-18 to 1992-02-09
Mason Hall	CTCT	Tennessee	36.2195N	89.0608W	119	From 1989-10-25 to 1992-03-11
Masonville	G60A	Quebec,Canada	45.0977N	72.3337W	391	From 2013-08-10
Massa Finalese, Finale Emilia (MO)	T0800	Italy	44.8486N	11.2479E	8	From 2012-05-21 to 2012-09-11
Massa Finalese, Finale Emilia (MO)	T0813	Italy	44.8778N	11.1992E	0	From 2012-05-20 to 2013-04-05
Massafra	MASS	Italy	40.6333N	17.1445E	274	
Mas Saint Remy, 30006, Aimargues	A200A	France	43.6927N	4.1885E	61	From 2016-08-26
Massa (MS), Italy	MASSA	Italy	44.0139N	10.1153E	-93	From 2019-06-14
Massangena, A3G93	M3G93	Mozambique	21.5885S	32.9213E	185	
Massena	MSNY	New York,U.S.A.	44.9983N	74.8620W	55	From 1977-02-01
Masseria Cannata	ECAN	Sicily,Italy	37.8880N	14.9100E	1140	From 1994-10-01
Masset	MSTB	British Columbia,Canada	54.0033N	132.1180W	91	From 1987-12-04
Masset	MASB	British Columbia,Canada	54.0150N	132.0230W	15	
Mastiano	MAIM	Italy	43.9142N	10.4915E	210	From 2000-09-01
Mastorah	MSTR	Saudi Arabia	23.2259N	38.9590E	69	
Masuda	JMD	Shimane,Japan	34.6317N	131.8933E	260	
Masugnsbyn	MASU	Sweden	67.4569N	21.9983E	500	From 2003-11-19
Masuku	MSKU	Gabon	1.6557S	13.6116E	287	
Masusu PS	LL24	Tanzania	2.2662S	35.8072E	1210	From 2013-01-18 to 2014-12-05
Maswa Reserve	MKAO	Tanzania,United Republic of Tanzania	3.4083S	34.7412E	1533	
Matagalpa	MATN	Nicaragua	12.9298N	85.9255W	869	From 2011-04-01
Matagami	MATQ	Quebec,Canada	49.7589N	77.6376W	280	From 2007-09-19
Mataguay Scout Camp, California	MATG	California	33.1992N	116.6473W	1092	From 2014-08-04
Matahina East	MAENZ	New Zealand	38.1068S	176.8500E	209	
Matakaoa Point	MXZ	North Island,New Zealand	37.5623S	178.3066E	106	From 2004-02-19
Matam	MMS	Senegal	15.6167N	13.3333W	50	
Matamba	MATAM	Tanzania	8.9593S	33.9689E	2074	From 2013-08-14 to 2015-11-04
Matapalo	MATA	Costa Rica	9.3322N	83.9491W	33	From 1999-09-18 to 1999-11-26
Matapalo, MAT	CMAT	Costa Rica	9.3342N	83.9387W	156	From 2002-10-01 to 2003-03-15
Mataram	KLNI	Lombok,Indonesia	8.4219S	116.0949E	99	
Mataram	MTNI	Lombok,Indonesia	8.6360S	116.1707E	108	From 2005-01-01
Matarih	MATL	Lebanon	33.4887N	35.3297E	5	From 2000-11-01
Matariki Terrace Road	MRNZ	South Island	41.3990S	172.7577E	319	From 2015-04-02
Matatall Enterprise, Big Sandy	138A	Texas,U.S.A.	32.6604N	95.0887W	143	From 2010-02-22 to 2012-01-29
Matau	MTUR	Romania	45.2261N	25.0630E	1018	From 1988-08-01
Matawai	MWZ	North Island,New Zealand	38.3340S	177.5278E	573	From 2004-02-18
Matea Rd	MRHZ	North Island,New Zealand	38.8337S	176.4174E	715	From 2010-05-14
Mateiros - TO	RET12	Tocantins,Brazil	10.5162S	46.4495W	518	From 2011-08-07
Matela PS	LN14	Tanzania	2.4394S	36.4154E	1631	From 2013-01-19 to 2014-12-04
Matelica	MTL1	Italy	43.2567N	13.0096E	353	From 2011-04-05
Matema	MBHS	Tanzania	9.4309S	33.9846E	560	From 2013-08-10 to 2015-11-04
Matera	MATE	Italy	40.6493N	16.7047E	0	From 2007-04-24
Matera	MTRA	Italia	42.7567N	13.3965E	809	From 2017-07-06
Mathat	MATF	Poitou-Charentes,France	45.8308N	0.2883W	30	
Mathiatis	CSS	Cyprus	34.9622N	33.3306E	396	From 1984-07-26
Mati	MATI	Luzon,Philippines	6.9460N	126.2570E	120	
Matias Romero	CMIG	Oaxaca,Mexico	17.0910N	94.8840W	200	
Matiri	TIRI	Tanzania	10.7626S	34.8831E	1295	From 2014-07-21 to 2015-11-04
Matjiesfontein	MATJ	Cape Province	33.2640S	20.5810E	1054	From 2015-08-17
Matka	MYG	FYR Macedonia	41.9567N	21.3008E	306	From 1969-01-01
Matlabas, Limpopo	MTLB	South Africa	23.8143S	27.0569E	878	From 2017-05-23
Matola	TOLA	Tanzania	9.5921S	34.5841E	2201	From 2014-06-29 to 2015-11-04
Matopo	MATP	Zimbabwe	20.4258S	28.4994E	1215	
Matouba	MBG	Guadeloupe,France	16.0481N	61.6839W	830	
Matruh	HMAT	Egypt	31.0940N	27.0964E	245	
Matruh	MATC	Egypt	31.3457N	27.2305E	30	
Matshushiro Site	MJ00	Nagano,Japan	36.5427N	138.2070E	406	
Matsu	MTST	Taiwan region	26.0900N	119.5600E	113	
Ma-tsu	MATB	Taiwan region	26.1515N	119.9456E	75	
Matsu Arr-Jizo	MJA0	Nagano,Japan	36.5427N	138.2472E	629	
Matsu-Daira	MJB3	Nagano,Japan	36.4847N	138.2944E	848	
Matsue	MTS	Shimane,Japan	35.4550N	133.0720E	18	
Matsu-Inaba	MJB8	Nagano,Japan	36.5214N	138.2099E	729	
Matsu-Irikaruiz	MJB6	Nagano,Japan	36.4712N	138.2507E	762	
Matsu-Jizotouge	MJA4	Nagano,Japan	36.5115N	138.2422E	997	
Matsula	MTSE	Estonia	58.7144N	23.8146E	3	From 2006-08-07
Matsumoto	MTM	Nagano,Japan	36.2433N	137.9730E	610	
Matsumoto	MTMJ	Nagano,Japan	36.5850N	137.8050E	929	From 1978-01-01
Matsumotoyama	MATH	Iburi,Japan	42.5489N	140.8683E	120	
Matsu-Nakagumi	MJB4	Nagano,Japan	36.4677N	138.2816E	736	
Matsu-Nakaone	MJA2	Nagano,Japan	36.5241N	138.2656E	1126	
Matsushiro	MAJO	Nagano,Japan	36.5427N	138.2070E	405	From 1977-06-30
Matsushiro	MAT	Nagano,Japan	36.5427N	138.2070E	406	From 1947-05-01
Matsushiro Array Beam Reference Point	MJAR	Nagano,Japan	36.5417N	138.2090E	422	
Matsushiro Array Site 0	MAT0	Nagano,Japan	36.5417N	138.2067E	407	
Matsushiro Array Site 1	MJ01	Nagano,Japan	36.5599N	138.2419E	598	
Matsushiro Array Site 2	MJ02	Nagano,Japan	36.5393N	138.3193E	1230	
Matsushiro Array Site 4	MJ03	Nagano,Japan	36.4816N	138.2976E	837	
Matsushiro Array Site 4	MJ04	Nagano,Japan	36.4681N	138.2538E	760	
Matsushiro Array Site 5	MJ05	Nagano,Japan	36.4867N	138.2139E	960	
Matsushiro Array Site 6	MJ06	Nagano,Japan	36.5216N	138.2503E	616	
Matsu-Soehiyama	MJA3	Nagano,Japan	36.4956N	138.2467E	886	
Matsu-Sugadaira	MJB2	Nagano,Japan	36.5423N	138.3160E	1255	
Matsu-Takimoto	MJB1	Nagano,Japan	36.5630N	138.2387E	611	
Matsu-Toyosaka	MJA1	Nagano,Japan	36.5338N	138.2523E	630	
Matsu-Tunnel	MJB9	Nagano,Japan	36.5458N	138.2039E	454	
Matsu-Wadaira	MJB7	Nagano,Japan	36.4898N	138.2108E	997	
Matsuyama	MTY	Ehime,Japan	33.8400N	132.7800E	34	
Matsu-Yatsubo	MJB5	Nagano,Japan	36.4824N	138.2575E	803	
Mattawa	MW-	Ontario,Canada	46.2753N	78.5717W	244	From 1962-10-11 to 1962-10-27
Mattawa	E52A	Ontario,Canada	46.2851N	78.6569W	252	From 2012-11-07
Mattawa	MW-ON	Ontario,Canada	46.2753N	78.5717W	244	From 1962-10-11 to 1962-10-27
Matthews	MATM	Missouri,U.S.A.	36.7743N	89.6046W	86	
Mattituck	N63A	New York,U.S.A.	40.9878N	72.5206W	8	From 2013-09-10
Mattmark	MMK	Switzerland	46.0505N	7.9640E	2210	From 1981-01-07
Matua	MAU	Sakhalinskaya Oblast',Russia	48.0600N	153.2500E	20	
Matupit	MIP	New Britain,Papua New Guinea	4.2433S	152.1900E	2	
Matupit Island	MPT	New Britain,Papua New Guinea	4.2437S	152.1900E	2	
Matura	TTR	Trinidad and Tobago	10.6740N	61.0660W	46	From 1984-07-01
Mauborget	MAUBO	Switzerland	46.8606N	6.6193E	1281	From 2011-11-21
Maui	MAUI	Hawaii,U.S.A.	20.7684N	156.2448W	2060	
Maumere	MMRI	Flores,Indonesia	8.6357S	122.2376E	137	From 2006-11-01
Mauna Kea	MKH	Hawaii,U.S.A.	19.8267N	155.4720W		From 1975-01-01 to 1999-08-25
Mauna Loa	MLH	Hawaii,U.S.A.	19.4940N	155.3860W	2010	From 1958-07-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Mauna Loa 2	MLX	Hawaii,U.S.A.	19.4600N	155.3450W	1475	From 1966-09-21
Mauna Loa Observatory	MLOA	Hawaii,U.S.A.	19.5360N	155.5760W	3399	
Maungaku	MGZ	North Island,New Zealand	39.0002S	175.5390E	806	From 1984-04-03 to 2005-05-13
Maungataniwha	MTHZ	North Island,New Zealand	38.8523S	176.8411E	620	From 2011-10-20
Maupin	VMNM	Oregon,U.S.A.	45.1868N	121.0530W	555	
Maura Aman, Bengkulu	MASI	Sumatera,Indonesia	3.1415S	102.2396E	384	From 2008-12-01
Maura Dua	MDSI	Sumatera,Indonesia	4.4861S	104.1783E	0	From 2007-12-01
Mauren, Feuerwehr, FL	SMFL	Switzerland	47.2100N	9.5463E	440	From 2014-10-15
Maurine	G26A	South Dakota,U.S.A.	45.2937N	102.5990W	833	From 2009-07-09 to 2011-05-26
Mauritius Island	MRI	Mauritius	20.1000S	57.5300E		
Mauritius Meteorological Services (Vacoas)	MRIV	Mauritius	20.2980S	57.4970E	424	From 2007-01-15
Mausoleum Waldhaus Greiz	GRZ1	Thuringen,Germany	50.6924N	12.2196E	203	From 2012-01-16
Mavora Lakes	MLZ	South Island,New Zealand	45.3665S	168.1184E	594	From 1996-03-09
Mavria	S007	Greece	37.4540N	22.0550E	565	
Mavrovouni	MVOU	Cyprus	35.0160N	33.6320E	113	From 2013-07-01
Mawana Gate	MWG1	Botswana	19.6300S	23.8200E	962	From 2001-01-01 to 2100-12-31
Mawashi	MWS	Ryukyu Islands,Japan	26.2333N	127.6830E	25	
Mawson	MAW	Mac Robertson Land	67.6039S	62.8706E	12	From 1956-01-01
Maxey Ranch	PMRM	California,U.S.A.	35.7848N	120.2360W	512	
Maxfield	G64A	Maine,U.S.A.	45.2527N	68.7558W	165	From 2013-09-22
Maximikha	MXMB	Buryatiya,Russia	53.2630N	108.7450E	510	From 1997-10-01
Maxixe, 3878	M3878	Mozambique	23.8815S	35.2292E	45	
MAY	MAYMX	Baja California	32.0050N	115.2400W	22	
Mayabunder	MYB	Andaman Islands,India	12.8750N	92.9230E	44	From 2012-01-01
Mayacamas Mountains	GMMM	California,U.S.A.	38.8382N	122.7988W	963	
Mayadein	HMYD	Egypt	29.7958N	30.8009E	275	
Mayaguez	MPR	Puerto Rico	18.2117N	67.1398W	22	From 1973-01-01
Mayak Korsakovskie (Korsakov)	KRS4	Sakhalinskaya Oblast',Russia	46.6097N	142.8011E	100	From 2003-01-01
Mayak na Mysu Ozernom	MAYS	Kamchatskaya Oblast',Russia	57.7200N	163.3100E	10	From 1969-12-01 to 1970-01-01
Mayche	MAYE	Ethiopia	12.7832N	39.5343E	2440	
Maychil	PT20	Peru	6.5190S	79.1860W	1180	
Mayfield	MAY	Washington,U.S.A.	46.0833N	122.0830W		
Mayfield South Station	KS20	Kansas,U.S.A.	37.2297N	97.5543W	372	From 2015-11-19
May Junction 2	MJ2	Washington,U.S.A.	46.5575N	119.3590W	146	From 1989-03-13
Maynard	MAYB	British Columbia,Canada	50.4025N	127.1720W	1414	From 1994-09-02
Mayon Resthouse	VMR	Luzon,Philippines	13.2800N	123.6710E	800	
Mayorazgo	MAYR	Peru	12.0550S	76.9440W	320	
Mayor Island	MYRZ	North Island,New Zealand	37.2802S	176.2410E	356	From 2004-05-24
Mayo, Yukon	MAYO	Yukon Territory	63.5958N	135.8921W	510	From 2013-07-01
Maysville	MVKY	Ohio,U.S.A.	38.6460N	83.7614W	213	
Mazada	MSBI	Israel	31.3126N	35.3580E	-223	From 2013-06-16
Mazangano	JSCL	Uruguay	32.1314S	54.6376W	122	From 2018-09-29
Mazaricos	EMAZ	Spain	42.9490N	8.9765W	405	
Mazarron	EXMAZ	Spain	37.5953N	1.3053W	52	
Mazatlaan	MAIG	Sinaloa,Mexico	23.1883N	106.4244W	10	
Mazatlan	MAZ	Sinaloa,Mexico	23.1881N	106.4061W	65	
Mazatlan	MZX	Sinaloa,Mexico	23.2008N	106.4253W	10	
Maze	MZE	Gifu,Japan	35.8911N	137.1553E	590	
Mazenod Senior College, Perth	AUMAZ	West Australia,Australia	32.0100S	116.0400E	263	From 2013-09-09
Mazi	S021	Greece	38.3610N	23.0890E	289	
Mazidag	MAZI	Turkey	37.4593N	40.4467E	1212	From 2009-06-29
Mazie Landing	MZO	Oklahoma,U.S.A.	36.1316N	95.3001W	182	From 1976-09-16 to 1978-06-16
Mazikoy-Bodrum	RFTAA	Turkey	36.9983N	27.7455E	11	From 2017-08-02
Mazirat	MAF	Auvergne,France	46.2215N	2.5664E	470	From 1985-07-10
Mazirat	MZF	Auvergne,France	46.2156N	2.5839E	480	From 1971-01-01 to 1985-07-10
Mazon	MSON	Ecuador	1.4845S	78.4678W	3380	From 1992-12-10
Mazracia	MAZR	Egypt	27.9292N	33.9948E		
Mazsada	MDBI	Israel	31.3126N	35.3580E	550	From 2012-11-01
Mbamba Bay	MBAM	Tanzania	11.2484S	34.7919E	560	From 2014-07-21 to 2015-11-04
Mbangamawe	BANG	Tanzania	10.1128S	35.6506E	960	From 2014-07-14 to 2015-11-04
Mbarara	MBAR	Uganda	0.6019S	30.7382E	1390	
Mbeya	MBAT	Tanzania,United Republic of Tanzania	8.8740S	33.4528E	1780	From 1992-06-12
Mbeya	MBEY	Tanzania	8.9996S	33.2504E	1393	From 2013-08-15 to 2015-11-04
M'Bour	MBO	Senegal	14.3908N	16.9547W	3	
MBSI	MBSI	Sumatera,Indonesia	3.7611S	102.2710E	27	From 2006-12-01
Mbulu	MBUL	Tanzania,United Republic of Tanzania	3.8780S	35.5140E	1933	
McAdam	MCNB	New Brunswick	45.5958N	67.3198W	167	From 2016-05-21
McAdam 2	MCA2	New Brunswick,Canada	45.5921N	67.3127W	498	From 2012-03-17
McAdam 3	MCA3	New Brunswick,Canada	45.5870N	67.3367W	552	From 2012-03-17
McAdam 4	MCA4	New Brunswick,Canada	45.5980N	67.3260W	140	From 2012-04-26
McAlpin	555A	Florida,U.S.A.	30.1212N	82.9666W	29	From 2012-02-14
McAlpine Lake	MALO	Ontario,Canada	50.0244N	79.7635W	271	
McCall Drive, Benicia	C032	California,U.S.A.	38.0825N	122.1576W	76	From 2009-11-24 to 2017-02-10
McCarthy VSAT	MCARA	Alaska,U.S.A.	61.3836N	143.0240W	447	From 2013-01-01
Mcclaflin, Tower City	D31A	North Dakota,U.S.A.	47.0481N	97.7226W	359	From 2010-08-11 to 2012-06-21
McClaskey Farms, Geuda Springs	T34A	Kansas,U.S.A.	37.0222N	97.1883W	361	From 2010-05-05 to 2012-03-06
McCloud	M03C	California,U.S.A.	41.2742N	122.1220W	1047	From 2005-07-12 to 2007-11-13
McCloud Flat S	MFSM	California,U.S.A.	36.1172N	117.8550W	1524	From 1975-09-25
McCloud Flat South	MFS	California,U.S.A.	36.1172N	117.8550W	1524	From 1975-09-25
McClure	MCIL	Illinois,U.S.A.	37.2965N	89.4984W	115	
McComb	MB-MS	Mississippi,U.S.A.	31.3428N	90.2864W	122	From 1966-11-15 to 1966-12-06
McComb	MB-	Mississippi,U.S.A.	31.3428N	90.2864W	122	From 1966-11-15 to 1966-12-06
McCoy, N04	NCR04	Colorado	39.9203N	106.7205W	2089	
McCrory	MY-AR	Arkansas,U.S.A.	35.3511N	91.0797W	61	From 1962-07-16 to 1962-08-03
McCrory	MY-	Arkansas,U.S.A.	35.3511N	91.0797W	61	From 1962-07-16 to 1962-08-03
McDonald Obs.	MOT4	Texas,U.S.A.	30.2730N	104.5700W	1469	
McDonald Obs.	MOT1	Texas,U.S.A.	30.9290N	104.3910W	1715	
McDonald Obs.	MOT2	Texas,U.S.A.	30.8990N	105.0800W	2088	
McDonald Obs.	MOT3	Texas,U.S.A.	30.5419N	104.6580W	1481	
McDonald Observatory	MOT	Texas,U.S.A.	30.6797N	104.0080W	2020	From 1975-08-01
McDonald Observatory, Fort Davis	426A	Texas,U.S.A.	30.6689N	104.0293W	1943	From 2008-03-12 to 2010-02-09
McDonald Ranch, Hollis	X31A	Oklahoma,U.S.A.	34.6309N	99.9793W	514	From 2009-03-19 to 2011-02-14
McDougall's Quarry	MDQNZ	New Zealand	37.8512S	176.5513E	65	
McDuffie Farm, Elizabethtown	X59A	North Carolina,U.S.A.	34.5720N	78.6023W	29	From 2013-02-10
McGee Avenue Berkeley	C031	California,U.S.A.	37.8632N	122.2769W	29	From 2009-10-20
McGee Canyon	MGNR	California,U.S.A.	37.8131N	118.6963W	2464	
McGee Creek	MGCB	British Columbia,Canada	48.6317N	123.6808W	236	
McGill	P12A	Nevada,U.S.A.	39.4731N	114.9075W	1878	From 2006-05-30 to 2008-09-02
McGinn's Farm, Dalton	N52A	Ohio,U.S.A.	40.8125N	81.6876W	331	From 2013-01-15
McGregor	E36A	Minnesota,U.S.A.	46.5177N	93.2557W	393	From 2010-10-17 to 2012-07-29
McKendrick Lake	KLN	New Brunswick,Canada	46.8433N	66.3717W	411	
McKenzie Canyon	MCMT	Montana,U.S.A.	44.8277N	112.8490W	2323	From 1989-09-14
McKinley	MCK	Alaska,U.S.A.	63.7323N	148.9349W	618	From 1964-12-01
McKinley Avenue, Clintonville	WI01	Wisconsin,U.S.A.	44.6325N	88.7495W	255	
McKinney Farm, Littlefield	Y28A	Texas,U.S.A.	33.9086N	102.2479W	1068	From 2009-01-26 to 2010-11-16
McLaughlin	F28A	South Dakota,U.S.A.	45.8485N	100.8005W	633	From 2009-08-21 to 2011-05-06
McLaughlin Mine	HOME	California,U.S.A.	38.8800N	122.4600W	0	
McLaughlin Mine	MNRC	California,U.S.A.	38.8787N	122.4489W	709	From 2003-06-19
McLaughlin Ranch	GMCM	California,U.S.A.	38.7927N	123.1300W	439	From 1975-05-07
McManaman Lake, Nunavut	MCMN	Nunavut,Canada	63.3043N	92.2977W	46	From 2010-08-04
McMillan Canyon	PMCM	California,U.S.A.	35.7247N	120.3710W	488	
McMinnville	V49A	Tennessee,U.S.A.	35.7663N	85.9030W	329	From 2012-05-06
McMinnville	MM-	Tennessee,U.S.A.	35.5644N	85.5889W	381	From 1961-12-17 to 1963-04-01
McMinnville	MM-TN	Tennessee,U.S.A.	35.5644N	85.5889W	381	From 1961-12-17 to 1963-04-01
McMinnville, OR	G03D	Oregon,U.S.A.	45.2115N	123.2641W	222	From 2009-10-24
McMurdo Sound	MCM	Victoria Land	77.8333S	166.6000E	25	
McNeil Island	MEW	Washington,U.S.A.	47.2019N	122.6460W	98	From 1985-03-01
McNeill Hill	MCHZ	North Island,New Zealand	39.4442S	176.6967E	291	From 2008-05-27
McNeil River	MCL	Alaska,U.S.A.	59.1027N	154.2000W	273	From 1975-01-01 to 1981-08-16
McNeil River	MCNL	Alaska,U.S.A.	59.1852N	154.3370W	442	From 1981-08-22
McPhails Peak	BMCM	California,U.S.A.	36.6567N	121.3650W	1022	From 1975-01-26
Mcpherson Peak, Los Olivos	PKM	California,U.S.A.	34.8885N	119.8136W	1739	From 1976-08-01
McQueen's Valley	MQZ	South Island,New Zealand	43.7061S	172.6538E	57	From 1989-10-13
McRoberts Ranch, Bridgeport	M26A	Nebraska,U.S.A.	41.4661N	103.1427W	1348	From 2008-12-06 to 2010-10-08
MD31	MD31	Morocco	32.8670N	4.7590W	900	
MDRK2	MDRK2	Saudi Arabia	22.2945N	40.2614E	1389	
Me@15rida	MYIG	California,U.S.A.	20.9581N	89.7396W	13	
Meade Ranch, Gillette	I23A	Wyoming,U.S.A.	43.9605N	105.4629W	1462	From 2008-10-16 to 2010-09-10
Meade River	B20K	Alaska,U.S.A.	70.0079N	157.1599W	74	From 2017-08-11

Station Name	*Code*	*Location*	*Geographical Co-ordinates*		*Altitude m*	*Remark*
Meadow Creek Golf Course	MGU	Utah,U.S.A.	40.6815N	111.9180W	1291	From 1993-06-24
Meadow Station	MUKOZ	Western Australia	26.7575S	114.6094E	130	From 2019-03-13
Meadowview Drive Castro Valley	C021	California,U.S.A.	37.6950N	122.0638W	68	From 2009-07-14
Meamuldo	MMD	Republic of Korea	34.6488N	128.5769E	117	From 2018-03-09
Meangora	MEG	New South Wales,Australia	35.1006S	150.0370E	712	From 1978-05-17 to 2007-08-29
Meany Midle School ANSS-SMO	MEAN	Washington,U.S.A.	47.6225N	122.3064W	37	From 2002-02-19
Mecca Hills	MECC	California,U.S.A.	33.6353N	116.0280W	495	
Mechanicsville	S59A	Virginia,U.S.A.	37.7620N	77.2942W	40	From 2013-04-12
Mechernich	MEC	Nordrhein-Westfalen,Germany	50.6000N	6.6667E		
Mechra Hommadi	M008	Morocco	34.7327N	2.7973W	296	
Meckering	MECK	Western Australia	31.6319S	117.0075E	203	
Mecseknadasd	PKS4	Hungary	46.2340N	18.4635E	257	
Meda	MEDT	Tunisia	34.1082N	9.9203E	90	
Medan	MED	Sumatera,Indonesia	3.5500N	98.6833E	32	
Medea	AMDA	Algeria	36.2600N	2.7100E	1059	
Medea	MEB	Algeria	36.3030N	2.7300E	500	
Medelin, Cebu	MECP	Cebu	11.1600N	123.9700E	70	From 2016-09-20
Medelln, Antioquia	MEDEC	Colombia	6.2760N	75.5893W	1552	From 2016-12-14
Medellin	MEDC	Colombia	6.2028N	75.5808W	1518	
Medeo	MDOK	Kazakhstan	43.1631N	77.0481E	1590	From 1995-01-01
Medford	MF-WS	Wisconsin,U.S.A.	45.3475N	90.5897W	412	From 1962-12-22 to 1963-04-01
Medford	MF-	Wisconsin,U.S.A.	45.3475N	90.5897W	412	From 1962-12-22 to 1963-04-01
Medias	MDB	Romania	46.1417N	24.3806E	375	From 1979-01-01
Medical Clinic, Shawira	SHAW	Ethiopia,Ethiopia	11.9297N	36.8702E	2231	From 2014-04-14 to 2017-12-01
Medicine Creek Dam	MKN	Nebraska,U.S.A.	40.3739N	100.2250W	732	From 1979-03-01 to 2001-07-15
Medicine Hat	MEDA	Alberta,Canada	49.9815N	110.7424W	721	From 2009-10-14
Medicine Lake	LMDM	California,U.S.A.	41.5730N	121.6230W	2140	
Medina	MEDO	New York,U.S.A.	43.1646N	78.4546W	190	From 2004-05-07
Medina	MEDY	New York,U.S.A.	43.1818N	78.3903W	186	From 1978-12-01 to 2002-12-20
Medio Mundo	MMO	Nicaragua	11.8942N	86.0150W	480	From 1975-01-01
Mednyi	MEDS	Kamchatskaya Oblast',Russia	54.7860N	167.5560E	150	From 1973-01-01 to 1975-12-31
Medolla (MO)	MIR01	Italy	44.8440N	11.0711E	20	From 2012-05-24
Medovarce	A336A	Slovakia	48.2333N	18.9990E	183	From 2015-08-14
Meekatharra	MEK	Western Australia,Australia	26.6128S	118.5450E	515	
Meekatharra	MEEK	Western Australia,Australia	26.6376S	118.6135E	529	From 1992-06-03
Meekatharra	MEKA	Western Australia,Australia	26.6142S	118.5360E	390	From 1986-05-01 to 1991-06-16
Meeker Airport, N03	NCR03	Colorado	40.0399N	107.8929W	1932	
Meers	MEO	Oklahoma,U.S.A.	34.7835N	98.5846W	465	From 1985-09-01
Meers Fault	MFO	Oklahoma,U.S.A.	34.8212N	98.5296W	451	From 1984-04-20 to 1985-05-31
Meerut	MERT	Uttar Pradesh	28.9720N	77.7340E	0	From 2015-07-01
Meerut	MEE	Uttar Pradesh,India	28.9167N	77.6667E	220	
Meeteetse	I19A	Wyoming,U.S.A.	44.0363N	108.9943W	1982	From 2008-08-12 to 2010-09-14
Megalochori,Methana,Greece	MET6	Greece	37.5917N	23.3561E	121	From 2019-02-13
Megalopolis	MGP1	Greece	37.4019N	22.1386E	431	From 2011-10-01
Meganis	MGNA	Greece	38.6561N	20.7912E	58	From 2010-12-01
Megenta	MEGE	Ethiopia	11.4906N	41.3381E	349	
Megha	MEGN	Nepal	28.7100N	82.3400E	2740	
Megler CREST BB SMO	MEGW	Washington,U.S.A.	46.2661N	123.8771W	351	From 2001-11-16
Megri	MGRZ	Armenia	38.9000N	46.2400E	0	
Mehan	OK033	Oklahoma,U.S.A.	36.0444N	96.9382W	258	From 2015-11-21
Mehetia	MEH	Society Islands,French Polynesia	17.8753S	148.0661W	300	
Mehriz	IMEH	Iran	31.3902N	54.6130E	2130	From 1998-10-01
Mei-Ami	MAMI	Israel	32.5000N	35.1500E	460	
Meikle Cairn	MME1	Scotland,United Kingdom	57.3149N	2.9647W	475	From 1981-01-01
Meis	MISE	Ethiopia	9.2369N	40.7591E	1310	
Meishan	TWO1	Taiwan region	23.5705N	120.5946E	231	From 1976-08-20
Meishan	TWO	Taiwan region	23.5761N	120.5490E	180	From 1972-09-10
Meitler Ranch, Lucas	Q32A	Kansas,U.S.A.	38.9908N	98.5596W	526	From 2009-10-20 to 2011-08-24
Mejillones	MEJI	Antofagasta,Chile	23.0997S	70.4953W	500	
Mejillones	MECH	Antofagasta,Chile	23.1038S	70.4483W	18	From 2007-11-16
Mekoryuk	M11K	Alaska,U.S.A.	60.3849N	166.2011W	3	From 2017-05-24
Melanico ??? S. Croce di Magliano	MELA	Italy	41.7059N	15.1270E	115	From 2008-04-23
Melbourne	MEL	Victoria,Australia	37.8314S	144.9733E	28	From 1902-01-01
Meldola (FC)	AD01	Italy	44.0583N	12.0975E	284	From 2010-03-31
Melhnausar	IMEL	Iceland	65.5700N	16.6573W	370	From 2009-09-30
Melilla	EMEL	Spain	35.3000N	2.9567W	85	From 1988-02-01 to 1999-01-31
Melilla	WMELI	Spain	35.3173N	2.9518W	102	From 2015-10-22
Melilla	MELI	Spain	35.2938N	2.9350W	5	
Melilla	EMLI	Morocco	35.3000N	2.9500W	0	From 2002-06-21
Melilli	MEI	Sicily,Italy	37.1806N	15.1300E		
Melimoyu	MMYU	Patagonia	44.0583S	72.8000W	842	From 2010-01-01
Mellen	E39A	Wisconsin,U.S.A.	46.3777N	90.5557W	426	From 2011-09-07 to 2013-06-08
Melles	MELF	Midi-Pyrenees,France	42.8727N	0.7592E	940	From 1997-10-08
Melozitna River	H21K	Alaska	65.6571N	152.8050W	520	From 2015-05-31
Melrose High School	AUMHS	Australian Capital Territory,Australia	35.3600S	149.0900E	615	From 2011-05-04
Mels	MELS	Switzerland	47.0484N	9.3826E	1060	
Mels Schulhaus Feldacker, SG	SMELS	Switzerland	47.0465N	9.4272E	488	From 2018-07-17
Mely	MLYF	Provence-Cote d'Azur,France	43.9880N	5.7670E	765	From 2010-07-13
Membach	MEM	Belgium	50.6092N	6.0066E	250	
Memmingen2	A107B	Germany	48.0312N	10.2329E	648	From 2015-11-20 to 2016-06-29
Memmingen - Eisenburg	A107C	Germany	48.0194N	10.1998E	667	From 2016-06-28
Memmingen, Holzguenz	A107A	Germany	48.0311N	10.2271E	684	From 2015-11-09 to 2016-06-02
Memphis	MPH	Tennessee,U.S.A.	35.1230N	89.9320W	94	From 1978-09-21 to 1983-01-10
Memphis--Engineering Building	MET	Tennessee,U.S.A.	35.1220N	89.9340W	93	From 1973-11-13
Menan Buttes	MBI	Idaho,U.S.A.	43.7864N	111.9710W	1707	From 1973-09-01 to 1974-07-31
Menard	432A	Texas,U.S.A.	30.8755N	99.7937W	647	From 2009-02-17 to 2011-01-24
Menbuxiang, Xizang Zizhiqu	MNBU	Xizang Zizhiqu,China	28.7558N	86.1610E	4500	From 2002-07-18 to 2002-11-05
Mencas	MENF	Picardie,France	50.5582N	2.1550E	100	
Mendeleevo	MNDR	Sakhalinskaya Oblast',Russia	43.9716N	145.6934E	220	From 2011-09-20
Mendenhall	O30N	Yukon Territory,Canada	60.7704N	136.0906W	821	From 2016-05-12
Mendi	MNDI	Papua New Guinea	6.1550S	143.6580E	1800	From 1985-08-28
Mendips	SMD	England,United Kingdom	51.3083N	2.7170W	310	
Mendoza	MEN	Mendoza,Argentina	32.9050S	68.8642W	287	
Mendoza	MDZ	Mendoza,Argentina	32.8833S	68.8500W	826	From 1968-03-07
Mendum Tagoi	MENI	Irian Jaya,Indonesia	2.5103S	140.4170E	300	
Menemeni	TMN1	Greece	40.6574N	22.9058E	85	From 2008-09-30
Menerdue Farm	CME	England,United Kingdom	50.1760N	5.1903W	178	From 1982-01-01 to 1994-05-31
Mengen	MGN	Turkey	40.9248N	32.1812E	720	From 1970-08-01 to 1982-07-10
Menlo Park	LT7	California,U.S.A.	37.4502N	122.1830W	21	From 1967-09-22 to 1976-09-11
Menlo Park	MOB	California,U.S.A.	37.4502N	122.1830W	21	From 1967-09-22 to 1976-09-11
Menlo Park	JMPM	California,U.S.A.	37.4556N	122.1660W	17	
Mentasta	MENT	Alaska,U.S.A.	62.9381N	143.7194W	702	
Menteroda	MENTE	Thuringen	51.3155N	10.5798E	393	From 2019-04-17
Menton	MENA	Provence-Cote d'Azur,France	43.7840N	7.4890E	210	From 1999-02-09
Mentor	CMEN	Ohio,U.S.A.	41.6840N	81.4040W	188	
Menzel Bouzelfa	MBZ	Tunisia	36.6800N	10.6700E	220	
Meolans	OG27	Rhone-Alpes,France	44.3932N	6.5085E	1393	From 1991-04-17
Meolans-Revel, 04161, Alpes-de-Haute-Provence	A194A	France	44.3933N	6.5023E	1255	From 2016-08-04
Mera	TMS	Chiba,Japan	34.9200N	139.8280E	13	
Merano	MRNO	Italy	46.6536N	11.1544E	341	From 2019-02-19
Merapi	MRP	Jawa,Indonesia	7.4000S	110.2670E		
Merate	MERA	Italy	45.6725N	9.4182E	350	From 2005-10-25
Merauke	MMPI	Irian Jaya,Indonesia	8.4667S	140.3833E	8	
Mercadel, El Hierro	CMCL	Canary Islands,Spain	27.7130N	18.0199W	1105	From 2011-07-01
Merced	S05C	California,U.S.A.	37.3460N	120.3296W	85	From 2005-04-18 to 2007-12-08
Merced, CA USA	MERC	California	37.3886N	120.4594W	65	From 2020-01-01
Mercedes	MECA	Parana	29.2969S	58.1735W	90	From 2016-08-20 to 2099-12-12
Mercedes San Jose	SJS3	Costa Rica,Costa Rica	9.9380N	84.0522W	1212	
Mercer	MCR	Alaska,U.S.A.	63.8952N	149.0590W	456	From 1971-09-01 to 1975-07-31
Mercer Eighty, Eskridge	Q35A	Kansas,U.S.A.	38.8586N	96.0368W	402	From 2010-05-12 to 2012-03-10
Mercer Wildlife Area Ohio	MWLO	Ohio	40.5030N	84.5690W	265	From 2018-05-01 to 2500-06-01
Mercury	MCY	Nevada,U.S.A.	36.6620N	115.9621W	1308	From 1980-03-07 to 2002-10-10
Mercury	MCV	Nevada,U.S.A.	36.6335N	116.0000W	1158	From 1971-01-01 to 1979-08-31
Mercury	MCN	Nevada,U.S.A.	36.9315N	116.0560W		
Mercy Hot Springs	BMSM	California,U.S.A.	36.6580N	120.7940W	769	From 1973-12-06
Merida	MER	Yucatan,Mexico	20.9475N	89.6164W	7	
Meridian	MRO	Oklahoma,U.S.A.	35.8356N	97.2265W	294	From 1978-03-16 to 1982-09-04
Merijarvi	OUF	Finland	64.3673N	24.7314E	95	From 2011-01-10
Meriville Lake	BMRO	Ontario,Canada	44.5952N	81.2174W	178	From 2007-08-02

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Merke	MRKS	Kazakhstan	42.7450N	73.2260E	1160	From 2002-11-26
Merkhyat	MRKH	Sudan	15.7096N	32.3700E	424	From 2003-11-01
Merkley Row, San Jose	C036	California,U.S.A.	37.3802N	121.7931W	329	From 2010-04-21
Merouana	CMER	Algeria	35.6200N	5.9000E	1020	
Merrill Creek	PDMC	New Jersey,U.S.A.	40.7560N	75.1170W	232	
Merrill Creek	HRMC	New Jersey,U.S.A.	40.7230N	75.0890W	295	
Merrill Creek	PEMC	New Jersey,U.S.A.	40.7580N	75.0760W	305	
Merrill Creek	PFMC	New Jersey,U.S.A.	40.7250N	75.1550W	220	
Merrill Creek	PMMC	New Jersey,U.S.A.	40.6410N	75.1230W	152	
Merrill Creek	FHMC	New Jersey,U.S.A.	40.7510N	75.0400W	256	
Merrill Creek	ABMC	New Jersey,U.S.A.	40.6860N	75.0540W	170	
Merrill Creek	EPMC	New Jersey,U.S.A.	40.6580N	75.1900W	140	
Merritt	ME-BC	British Columbia,Canada	50.1058N	120.6656W	1067	From 1962-07-07 to 1962-07-17
Merritt	ME-	British Columbia,Canada	50.1058N	120.6656W	1067	From 1962-07-07 to 1962-07-17
Mersa Alam	EMRS	Egypt	25.0131N	34.8387E	213	From 2003-06-20
Mersin	DED	Turkey	36.9614N	34.7993E	479	From 2007-02-10
Mersin	KIZK	Turkey	36.4803N	34.1437E	165	From 2009-06-10
Mersin	MERS	Turkey	36.8677N	34.5222E	802	From 2005-08-23
MERSIN_Gulnar	GULN	Turkey	36.1837N	33.5436E	145	From 2011-10-06
Mertquake, Salem	N40A	Iowa,U.S.A.	40.8841N	91.5837W	208	From 2011-08-24
Mertzon	330A	Texas,U.S.A.	31.4063N	101.1752W	742	From 2009-03-04 to 2011-02-07
Meru	MERK	Kenya	0.1925S	37.8095E	920	From 1997-12-01
Merweville	MERW	Cape Province	32.6730S	21.5230E	1095	From 2016-08-15
Merzbaher-Enilchek	MRZ1	Kyrgyzstan	42.2246N	79.8597E	3354	From 2011-08-01
MESA	MESA	Alaska,U.S.A.	60.1785N	141.9505W	1919	From 2013-01-01
Mesachie Lake	B926	British Columbia,Canada	48.8202N	124.1312W	191	From 2007-11-12
Mesa Falls	YPMF	Idaho,U.S.A.	44.1432N	111.2882W	1786	
Mesagne	MESG	Italy	40.5890N	17.8500E	78	From 2009-05-26
Mesa Lucero	MLM	New Mexico,U.S.A.	34.8144N	107.1450W	2088	From 1976-01-01
Mesa, Roswell	Y25A	New Mexico,U.S.A.	33.9229N	104.6928W	1364	From 2008-04-16 to 2010-03-07
Mesas	MESS	Costa Rica	10.7407N	85.1943W	677	From 2000-01-01
Mesa State College	MSCO	Colorado,U.S.A.	39.0794N	108.5546W	1387	
Mesa Verde	MVCO	Colorado,U.S.A.	37.2103N	108.4986W	2169	From 2006-04-18
Meseseni	MESR	Romania	47.1499N	22.9494E	306	From 2015-06-05
Meshili Boma	PR63	Tanzania	2.9933S	35.5067E	1362	From 2013-01-19 to 2014-12-07
Meshkindasht	AMD1	Iran	35.7488N	50.9608E	1249	
Mesita, S26	SCR26	Colorado	37.0975N	105.6020W	2344	
Mesquite Ranch, Deming	221A	New Mexico,U.S.A.	32.0094N	107.7782W	1277	From 2008-02-11 to 2010-01-18
Messejana	MESJ	Portugal	37.8395N	8.2199W	249	From 2007-07-04
Messern	A007A	Austria	48.7162N	15.5288E	484	From 2015-07-07
Messina	MSNA	South Africa	22.3452S	30.0232E	600	
Messina ING	MSI	Sicily,Italy	38.2052N	15.5539E	55	From 1967-07-01
Messina Univ.	MES1	Sicily,Italy	38.1989N	15.5550E	45	
Messina University	MES	Sicily,Italy	38.1989N	15.5550E	45	
Messolongi	MSL1	Greece	38.3727N	21.4243E	14	From 2012-10-01
Messtetten	MSS	Baden-Wurttemberg,Germany	48.1774N	8.9604E	951	From 1933-01-01
Mesters Vig	MVG	Norway	72.2300N	23.9400E	0	From 2010-09-09
Mestia	MTIG	Georgia,Georgia	43.0417N	42.7723E	1395	From 1973-01-01
Met	MTZV	Vietnam	21.5480N	106.3420E	50	From 2002-01-01
Metahra	OMET	Algeria	35.3300N	0.7300W	400	From 2004-12-01
Meteo	MTEO	Georgia	42.6799N	44.5333E	3677	From 2014-08-22
METEO PORTO CESAREO	MPC	Italy	40.2608N	17.8967E	20	From 2005-01-31
Meteti	UPD2	Panama	8.5475N	78.0148W	86	From 2010-06-01
Methoni	MES2	Greece	36.8245N	21.7071E	52	From 2011-10-14
Methoni	MTHA	Greece	36.8202N	21.7062E	10	
Methven, DAR1	DARN1	South Island	43.6599S	171.7176E	273	
Metsahovi	MEF	Finland	60.2172N	24.3958E	55	
Metsamor	METS	Armenia	40.1500N	44.0800E	850	
Metsamor	MCRS	Armenia	40.1883N	44.1383E	850	
Metsoke Dragot	DSI1	Israel	31.5900N	35.3920E	50	From 1994-04-01 to 1998-06-30
Metsovo, MET	METSI	Greece	39.8076N	21.3535E	863	
Metsovon	MEV	Greece	39.7850N	21.2289E	1500	
Mets Parni	METK	Armenia	40.8765N	44.1280E	2160	
Mettingen	NE34	Nordrhein-Westfalen,Germany	52.3110N	7.7710E	122	
Mettma DE	METMA	Baden-Wurttemberg,Germany	47.7121N	8.2529E	618	From 2012-03-06
Metzger Ranch, Havre	A18A	Montana,U.S.A.	48.9198N	109.8459W	804	From 2007-11-20 to 2009-09-03
Meulaboh, Aceh	MLSI	Sumatera,Indonesia	4.2668N	96.4040E	58	
Mexicali	MBIG	Baja California,Mexico	32.4072N	115.1981W	2	From 2008-03-01
Mexicali	HGM	Baja California	32.6438N	115.4710W	1	
Mexicali	CEA0	Baja California	32.6518N	115.6690W	17	From 2010-11-01
Mexican Hat	T18A	Utah,U.S.A.	37.1364N	109.8741W	1297	From 2007-06-23 to 2009-03-05
Mexico City	VRVM	Mexico D.F.	19.4180N	99.1143W	2224	
Mexico City	MEX	Mexico D.F.,Mexico	19.3289N	99.1861W	2280	From 1978-06-01
Mexico City	CUP5	Mexico D.F.	19.3302N	99.1810W	2240	
Meydan	BMDN	Iran	33.6716N	48.8246E	1697	From 2013-09-10
Meyer Farm, Musselshell	E20A	Montana,U.S.A.	46.5038N	108.1301W	954	From 2008-08-09 to 2010-05-30
Meyer Farm, Vandalia	Q44A	Illinois,U.S.A.	38.9032N	89.0170W	164	From 2011-06-07 to 2013-04-15
Meyer Ranch, Chandler	V35A	Oklahoma,U.S.A.	35.7626N	96.8378W	280	From 2010-03-13 to 2012-02-20
Meyiboto, CM02	ACM02	Cameroon	2.6980N	13.2890E	539	
Mezcala	MEIG	Guerrero,Mexico	17.9258N	99.6197W	808	From 2005-03-09
Mezhgor'ye	MEZ	Carpathian Mountains	48.5140N	23.5140E	440	
Mezontepec	IIZ	Mexico:State,Mexico	19.1875N	99.2413W	3430	
Mfriga	MFRI	Tanzania	9.2944S	35.3129E	1604	From 2014-06-30 to 2015-11-04
Mgazini	ZINI	Tanzania	10.4659S	35.3383E	1044	From 2014-07-16 to 2015-11-04
MHIT	MHIT	Flores,Indonesia	8.4500S	119.8900E	123	From 2008-01-01
MHTO	MHTO	Oman	20.9865N	57.9680E	101	
Mi28,Pidlybu	MI28	Ukraine	50.9305N	27.6694E	196	
MI29, Kamyanyy Brid	MI29	Ukraine	50.4180N	27.8500E	234	
MI30,Zelenitsa	MI30	Ukraine	50.7460N	28.1890E	215	
Miami	MIA	Florida,U.S.A.	25.9167N	80.3000W		From 1945-01-01 to 1956-12-31
Miami	IMYA	Iran	36.3416N	60.1017E	1684	From 1999-07-01
Miami Mountain	MMIM	California,U.S.A.	37.4196N	119.7438W	1288	
Miami Univ. Ecology Research Center	P49A	Ohio,U.S.A.	39.5342N	84.7164W	272	From 2012-06-29
Miandaros Cinnet	MIAN	Turkey	40.8183N	29.1117E	0	From 2009-01-01
Mianeh	MISD	Iran	37.3500N	47.6000E	0	
Miaoli	NMLH	Taiwan region	24.5372N	120.7910E	201	From 2011-01-05
Miaoli City	NML	Taiwan region	24.5650N	120.8260E	45	From 1999-08-04
Mica Creek	MCE	British Columbia,Canada	52.0033N	118.5620W	625	From 1977-06-04 to 1981-08-12
Mica Creek	MCC	British Columbia,Canada	52.0517N	118.5850W	578	
Michaelchurch	MCH1	Wales,United Kingdom	51.9974N	2.9983W	219	From 1978-01-01
Michelle Canyon Maxwell	MCMB1	British Columbia,Canada	52.8217N	123.8190W	1233	From 2007-11-22 to 2008-06-14
Miches	MIDR	Dominican Republic	18.9834N	69.0498W	20	From 2014-06-17
Michie	W46A	Tennessee,U.S.A.	35.1333N	88.3783W	145	From 2012-01-14
Michilla	MIC	Antofagasta,Chile	22.7064S	70.2669W	100	
Michilla	MICH	Antofagasta,Chile	22.6780S	70.1875W	769	
Michnevo	MHV	Moskovskaya Oblast',Russia	54.9595N	37.7664E	150	From 1995-05-01
Michoacan	ZEM	Michoacan,Mexico	18.7926N	102.1116W	200	
Michoacan	BVTM	Michoacan,Mexico	18.8933N	102.2650W		
Michoacan	CBZM	Michoacan,Mexico	18.0150N	102.4050W		
Michoac¡n de Ocampo	MDOC	Baja California	32.4640N	115.3160W	15	
Micigliano	RM22	Italy	42.4445N	13.0488E	970	From 2009-04-10 to 2009-06-18
Middleborough	L64A	Massachusetts,U.S.A.	41.9359N	70.8391W	17	From 2013-09-12
Middleburg	MR-	Pennsylvania,U.S.A.	40.8147N	77.1756W	213	From 1962-10-11 to 1962-10-27
Middleburg	MR-PA	Pennsylvania,U.S.A.	40.8147N	77.1756W	213	From 1962-10-11 to 1962-10-27
Middlebury	MDV	Vermont,U.S.A.	43.9992N	73.1812W	134	From 1970-03-01
Middlebury College	MCVT	Vermont,U.S.A.	43.9537N	72.9918W	439	
Middle Cape	MMC	Alaska,U.S.A.	57.3333N	154.6350W	340	From 1971-08-01
Middle Mountain	MMNB	California,U.S.A.	35.9565N	120.4960W	385	
Middle Nowhere	ST39	Xizang Zizhiqu,China	33.7637N	88.4001E	5077	From 1998-07-12 to 1999-06-04
Middlesex	K56A	New York,U.S.A.	42.6981N	77.3244W	575	From 2013-08-18
Middlesex	V59A	North Carolina,U.S.A.	35.7649N	78.2394W	58	From 2013-03-12
Middlesmoor	MMY	England,United Kingdom	54.1758N	1.8689W	427	
Middleton Gardens	MGS	South Carolina,U.S.A.	32.8978N	80.1410W	9	From 1976-03-31
Middleton Island	MID	Alaska,U.S.A.	59.4278N	146.3390W	37	From 1964-04-10
Middleton Island	Q23K	Alaska,U.S.A.	59.4296N	146.3499W	46	From 2014-08-16
Middletown	NMTM	California,U.S.A.	38.8057N	122.4460W	422	From 1975-06-26
Midelt	MDT	Morocco	32.8140N	4.6070W	1000	
Midelt array site 01	MD01	Morocco	32.8680N	4.7591W	1434	From 2012-11-26
Midewin, Midewin Nat. Tallgrass Prairie	M44A	Illinois,U.S.A.	41.3882N	88.0432W	207	From 2011-10-21

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Midland	I28A	South Dakota,U.S.A.	43.9996N	101.1692W	655	From 2009-06-13 to 2011-05-27
Midmork2	IMIM	Iceland	63.6570N	19.8945W	110	From 2017-09-08
Mid-South CC	MCAR	Arkansas,U.S.A.	35.1449N	90.2225W	0	
Midway	MDW	Washington,U.S.A.	46.6132N	119.7610W	330	From 1969-03-01
Midway	MIDW	Midway Islands,U.S.A.	28.2157N	177.3697W	-75	
Midway	MDY	Midway Islands,U.S.A.	28.2067N	177.3330W		From 1966-01-01 to 1970-12-31
Midway	251A	Alabama,U.S.A.	32.0929N	85.4090W	139	From 2012-01-24
Midway Islands	I58US	Midway Islands	28.2097N	177.3814W	4	From 2013-08-01
Midwest	J22A	Wyoming,U.S.A.	43.4126N	106.4785W	1587	From 2008-08-06 to 2010-09-07
Midwestern State University	MSUEL	Texas,U.S.A.	33.8735N	98.5195W	294	From 2004-02-07
Miekihoku	JKN2	Mie,Japan	34.2390N	136.2737E	80	From 2005-03-23
Miemihama	JMMH	Mie,Japan	33.8192N	136.0253E	75	From 2012-11-01
Miglionico	MIGL	Italy	40.6044N	16.4410E	440	From 2006-08-07
MIHALICIK	AUMIH	Turkey	39.8679N	31.4832E	1416	From 2010-02-05
Mihama	MHJ	Fukui,Japan	35.5306N	135.9789E	260	
Mihama	JFM	Kyoto,Japan	35.5283N	135.9833E	161	
Mijas	EMIJ	Spain	36.5645N	4.7727W	470	
Mikata	JMT	Hyogo,Japan	35.4433N	134.5350E	270	
Mikawa	MIKN	Aichi,Japan	34.7626N	137.4701E	76	
Mikawa	MKW	Hiroshima,Japan	34.6111N	133.1070E	320	From 1967-09-01
Mikazuki	MZT	Hyogo,Japan	34.9867N	134.4446E	200	
Mikes Peak	CMPM	California,U.S.A.	37.3577N	121.3183W	760	
Miki	JMIK	Hyogo,Japan	34.8070N	135.0538E	160	
Mikrolivado, N012	N012M	Greece	39.9466N	21.2458E	882	
Mikurajimanishikawa	JMKN	Tokyo,Japan	33.8923N	139.5907E	149	
Mila	MILA	New South Wales,Australia	37.0547S	149.1550E	785	From 2001-07-16
Milaca	F36A	Minnesota,U.S.A.	45.8618N	93.5241W	345	From 2010-09-11 to 2012-07-27
Milagra Ridge	MGA	California,U.S.A.	37.6370N	122.4740W	201	From 1971-08-31
Milagra Ridge	JMGM	California,U.S.A.	37.6370N	122.4740W	201	From 1971-08-31
Milagro-Astudillo	MILO	Ecuador	2.2792S	79.5557W	56	From 2012-07-13
Milagro (Transelectric)	AMIL	Ecuador	2.1350S	79.5947W	12	From 2012-05-26
Milan	MILT	Tennessee,U.S.A.	35.8489N	88.7329W	146	From 1985-11-01
Milan	MIL	Italy	45.4667N	9.1833E	124	
Milan	M41A	Illinois,U.S.A.	41.3750N	90.5422W	226	From 2011-07-31
Milan	H62A	New Hampshire,U.S.A.	44.5743N	71.1559W	381	From 2013-09-19
Milan	V21A	New Mexico,U.S.A.	35.8054N	107.6378W	2046	From 2008-02-18 to 2009-11-22
Milan	L49A	Michigan,U.S.A.	42.1088N	83.7672W	230	From 2012-07-20
Milan North Station	KS21	Kansas,U.S.A.	37.2865N	97.6630W	414	From 2015-11-19
Milano	MILN	Italy	45.4803N	9.2321E	125	From 2006-06-01
Milas	MLSB	Turkey	37.2953N	27.7765E	500	From 2003-09-16
Milazzo	MILZ	Sicily,Italy	38.2713N	15.2313E	0	From 1995-01-01
Mildenfurth	MLFH	Germany	50.7901N	12.0809E	212	From 2010-09-16
Mile High Drive	MHD	Utah,U.S.A.	40.6607N	111.8010W	1597	From 1990-10-04
Miler	APR2	Ecuador	0.0767N	78.9676W	804	
Miles City	E22A	Montana,U.S.A.	46.4386N	105.9488W	784	From 2008-10-30 to 2010-08-05
Milestii Mici	MILM	Moldova	46.9186N	28.8127E	64	From 2009-12-22
Mileto	MLE	Italy	38.6000N	16.0500E	360	
Milford	MIDE	Delaware,U.S.A.	38.8799N	75.3256W	5	From 2016-02-01
Milford	J35A	Iowa,U.S.A.	43.3655N	95.2078W	457	From 2010-07-29 to 2012-05-16
Milford	Q61A	Delaware,U.S.A.	38.8799N	75.3256W	5	From 2013-05-28
Milford	MLF	Ohio,U.S.A.	39.1374N	84.2774W	238	From 1963-01-01
Milford North	MNU	Utah,U.S.A.	38.6197N	112.8470W	1664	From 1977-01-01
Milford Reservoir	MLK	Kansas,U.S.A.	39.1073N	96.8933W	386	From 1977-08-15
Milford Sound	MSZ	South Island,New Zealand	44.6733S	167.9264E	55	From 1966-03-03
Milia, N111	N111M	Greece	39.8519N	21.2265E	1291	
Milia, N136	N136M	Greece	40.5828N	23.2096E	404	
Milia, N211	N211M	Greece	39.8490N	21.2232E	1370	
Milimani	MILK	Kenya	0.1140S	34.7510E	1142	From 1997-02-01 to 1998-03-31
Military Camp, Saraba	SEREE	Ethiopia,Ethiopia	12.5134N	37.0282E	2152	From 2014-03-30 to 2017-12-01
Military Pass	LMPM	California,U.S.A.	41.4883N	122.1620W	1865	
Milkovo	MLKS	Kamchatskaya Oblast',Russia	54.7000N	158.6300E	90	From 1962-01-01 to 1993-12-31
Milk River, Alberta	MKRVA	Alberta,Canada	49.1430N	111.7755W	961	From 2014-07-31
Milladeo Hill, Quello@15n	GO07	Chile	43.1142S	73.6644W	179	
Mill City	MILG	California,U.S.A.	37.6213N	118.9870W	2536	From 1981-07-01
Mill Creek	MLL	California,U.S.A.	34.0913N	116.9360W	1513	
Mill Creek, Sonoma County	NMCNC	California,U.S.A.	38.5909N	122.9129W	119	From 1988-03-23
Mille	MILE	Ethiopia	11.4238N	40.7650E	489	
Millendorf	BD03	Nordrhein-Westfalen,Germany	50.9917N	6.5570E	70	From 2001-01-01
Miller	SUSD	South Dakota,U.S.A.	44.4429N	98.9556W	520	From 2010-07-24
Miller	BRSD	South Dakota,U.S.A.	44.4430N	98.9563W	519	From 2008-10-05 to 2010-06-29
Miller Mountain	MILR	Nevada,U.S.A.	38.0247N	118.1868W	2030	
Miller Ranch	MT3	Texas,U.S.A.	30.5419N	104.6570W	1481	From 1977-06-01 to 2003-01-28
Miller Ranch, Amidon	E25A	North Dakota,U.S.A.	46.5009N	103.4013W	885	From 2009-06-11 to 2011-06-18
Millersview	332A	Texas,U.S.A.	31.3829N	99.7423W	513	From 2009-03-06 to 2011-01-25
Millersville	MVL	Pennsylvania,U.S.A.	39.9992N	76.3506W	91	
Millerton Lake Dam, Friant	T06C	California,U.S.A.	37.0069N	119.7089W	216	From 2004-12-06 to 2007-12-06
Millington	MLNT	Tennessee,U.S.A.	35.3340N	89.9300W	100	
Million Dollar Falls	P30M	Yukon Territory,Canada	60.1218N	136.9598W	883	From 2016-04-30
Millom	LMI	England,United Kingdom	54.2206N	3.3070W	140	From 1989-01-01
Mills College	CMCM	California,U.S.A.	37.7813N	122.1760W	90	From 1971-07-20
Millsfield	MFTN	Tennessee,U.S.A.	36.1610N	89.3930W	113	
Milner Canyon	MLNR	California,U.S.A.	37.5937N	118.3437W	1780	
Milo	MIM	Maine,U.S.A.	45.2436N	69.0403W	140	From 1975-07-01 to 2004-10-14
Milos	MHL	Greece	36.6828N	24.3958E	400	
Milos	MILOS	Greece	36.7429N	24.4282E	130	
Milroy	P48A	Indiana,U.S.A.	39.4605N	85.4258W	300	From 2012-06-25
Milroy	N57A	Pennsylvania,U.S.A.	40.7556N	77.5509W	306	From 2013-05-13
Miltenberg	MILB	Germany	49.8285N	9.2926E	369	From 2015-03-17
Milton-Freewater	MFW	Oregon,U.S.A.	45.9030N	118.4060W	384	From 1971-10-01
Milwaukee	MLW	Wisconsin,U.S.A.	43.0333N	87.9167W	194	From 1909-01-01 to 1957-12-31
Mimaanabuki	JMAF	Tokushima,Japan	34.0433N	134.1517E	220	From 2012-07-01
Mina	R08A	Nevada,U.S.A.	38.3489N	118.1064W	1419	From 2006-03-03 to 2008-03-24
Mina	MNA	Nevada,U.S.A.	38.4328N	118.1570W	1525	
Mina	MN-NV	Nevada,U.S.A.	38.4361N	118.1481W	1524	
Mina	MINR	Krasnoyarskiy Kray,Russia	54.9000N	94.2000E	510	
Mina	MNV	Nevada,U.S.A.	38.4322N	118.1540W	1507	From 1970-05-26
Mina	MN-	Nevada,U.S.A.	38.4361N	118.1481W	1524	
Mina gua Limpa, MG, Brazil	AGLP	Minas Gerais	19.9381S	43.2278W	1079	From 2017-06-29
Mina Array Beam Reference Point	NVAR	Nevada,U.S.A.	38.4296N	118.3036W	2041	
Mina Array Site 1	NV01	Nevada,U.S.A.	38.4296N	118.3035W	2029	
Mina Array Site 10	NV10	Nevada,U.S.A.	38.4488N	118.3194W	2133	
Mina Array Site 2	NV02	Nevada,U.S.A.	38.4374N	118.3049W	2094	
Mina Array Site 3	NV03	Nevada,U.S.A.	38.4279N	118.2937W	1978	
Mina Array Site 32	NV32	Nevada,U.S.A.	38.3342N	118.3003W	1836	
Mina Array Site 33	NV33	Nevada,U.S.A.	38.4858N	118.4238W	1946	
Mina Array Site 4	NV04	Nevada,U.S.A.	38.4232N	118.3068W	1984	
Mina Array Site 5	NV05	Nevada,U.S.A.	38.4464N	118.2913W	2186	
Mina Array Site 6	NV06	Nevada,U.S.A.	38.4224N	118.2744W	1936	
Mina Array Site 7	NV07	Nevada,U.S.A.	38.4105N	118.2949W	1849	
Mina Array Site 8	NV08	Nevada,U.S.A.	38.4041N	118.3184W	1798	
Mina Array Site 9	NV09	Nevada,U.S.A.	38.4354N	118.3352W	1918	
Mina Array Sites 11 and 31	NV11	Nevada,U.S.A.	38.4320N	118.1554W	1509	
Minab	MNB1	Iran	27.1061N	57.0998E	29	From 2013-05-15
Minabe	JWM	Wakayama,Japan	33.8492N	135.3547E	170	
Mina Casimiro Domeyco	AC06	Atacama	27.3573S	70.3544W	425	From 2015-08-27
Mina Concepcion	EMIN	Spain	37.7675N	6.6724W	240	
Mina de Fazend£o MG, Brazil	FZND	Minas Gerais	20.1441S	43.4226W	914	From 2017-06-22
Mina do Feijao, MG, Brazil	FJAO	Minas Gerais	20.0998S	44.1244W	1335	From 2017-06-19
Mina Gongo Soco 1, MG - Brazil	GNG1	Minas Gerais	19.9671S	43.6099W	956	From 2017-06-23
Mina Gongo Soco 2, MG - Brazil	GNG2	Minas Gerais	19.9743S	43.6027W	888	From 2017-06-23
Mina Gongo Soco 3, MG - Brazil	GNG3	Minas Gerais	19.9721S	43.5942W	965	From 2017-06-23
Mina Guanaco	GO02	Tarapaca,Chile	25.1626S	69.5904W	2556	
Minamiashigara	ASG	Kanagawa,Japan	35.3138N	139.0279E	386	
Minamidaito 2	JMZ	Ryukyu Islands,Japan	25.8190N	131.2207E	50	
Minamidaito jima	MVI	Ryukyu Islands,Japan	25.8283N	131.2350E	14	From 1974-02-01
Minami-Gairin	SRMH	Iburi,Japan	42.5312N	140.8330E	476	
Minamiizu	MIZN	Shizuoka,Japan	34.6889N	138.8424E	105	
Minamisoumatochikubo	JMST	Fukushima,Japan	37.7246N	140.8874E	53	From 2013-07-01
Minamitane	JMTN	Kagoshima,Japan	30.3973N	130.9005E	186	From 2012-07-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Minami-tori-shima	MCSJ	Marcus Island,Japan	24.2900N	153.9780E	10	
Minaret Summit	MINS	California,U.S.A.	37.6538N	119.0609W	2796	
Minatitlan	MIHL	Veracruz	17.9888N	94.5440W	25	
Minazif	UOSS	Fujairah,United Arab Emirates	24.9453N	56.2042E	283	
Mineo	MNE	Sicily,Italy	37.2500N	14.7333E	510	
Mineo	HMNO	Sicily,Italy	37.3180N	14.6000E	530	From 1994-05-01
Mineoka	MNJ	Chiba,Japan	35.1019N	139.9908E	100	
Minera del Fierro	MFCH	Maule,Chile	35.0244S	70.4411W	1920	
Mineral	MIN	California,U.S.A.	40.3460N	121.6066W	1470	From 1938-01-01 to 2000-06-29
Mineral	R58B	Virginia,U.S.A.	37.9636N	77.8787W	116	From 2012-08-02
Minerbio Fiu	FIU	Italy	44.6395N	11.4917E	12	
Minerbio--Passere	PASE	Italy	44.6062N	11.4567E	12	
Minerbio--Torre	TORE	Italy	44.6072N	11.5255E	16	
Miner Creek	I28M	Yukon Territories,Canada	65.4483N	139.9355W	1188	From 2017-07-12
Miners Draw (BLM), Jensen	O19A	Utah,U.S.A.	40.2982N	109.1236W	1649	From 2007-08-20 to 2009-11-11
Miners Mountain	MMU	Utah,U.S.A.	38.1985N	111.2940W	2387	From 1980-10-01
Minervino Murge	MRVN	Italy	41.0609N	16.1958E	610	From 2007-04-24
Mines Road	CMRM	California,U.S.A.	37.5947N	121.6370W	500	From 1969-04-17 to 2008-07-16
Mines Road	MNR	California,U.S.A.	37.5947N	121.6370W	500	From 1969-04-17 to 2008-07-16
Mines Road	CMNM	California,U.S.A.	37.6275N	121.7080W	245	From 1979-11-29
Mines Road	CB9	California,U.S.A.	37.5947N	121.6370W	500	From 1969-04-17 to 2008-07-16
Mines Road	CL2	California,U.S.A.	37.6275N	121.7080W	245	From 1979-11-29
Minette Bay Lodge, Kitimat, BC, Canada	MBLB	British Columbia	54.0350N	128.6230W	0	From 2015-11-01
Mineville/Witherbee	MIV	New York,U.S.A.	44.0747N	73.5340W	317	From 1985-06-01
Mingacevir	MGC	Azerbaijan	40.7700N	47.0600E	30	From 1968-01-01
Mingechevir, Azerbaijan	MNGR	Azerbaijan	40.7730N	47.0850E	100	From 2010-01-14
Mingjian	WNT	Taiwan region	23.8780N	120.6840E	110	
Mingtut	MINT	Uzbekistan	40.4658N	70.9748E	473	
Minicoy	MNCY	Laccadive Islands,India	8.2667N	73.0333E	0	
Minicoy	MNCI	Laccadive Islands,India	8.2815N	73.0598E	2	
Ministerio de Agricultura y Ganaderia, Santa Tecla	MAGS	El Salvador	13.6842N	89.2865W	975	
Minitrack	MIK	Alaska,U.S.A.	64.8723N	147.8280W	160	From 1970-05-01 to 1975-03-31
Mink Peak	MKMT	Montana,U.S.A.	47.1032N	115.1138W	2088	
Minna	MINNA	Nigeria	9.5117N	6.4402E	203	
Minneapolis	MNN	Minnesota,U.S.A.	44.9144N	93.1900W	217	From 1964-01-01 to 1967-12-31
Minneapolis	MNM	Minnesota,U.S.A.	44.9740N	93.2381W	204	From 1974-12-01 to 1976-12-31
Minneapolis	MFM	Minnesota,U.S.A.	44.9141N	93.1930W	226	
Minoodasht	IMIN	Iran	37.1422N	55.2336E	180	From 2000-08-01
Minoodasht	IMND	Iran	37.2575N	55.4069E	180	From 1991-08-01
Minshiung	CHN2	Taiwan region	23.5320N	120.4750E	45	
Minsk	MNK	Belarus	54.5021N	27.8833E	196	
Minto, Yukon	M30M	Yukon Territory	62.5763N	136.7935W	782	From 2015-10-18
Minto, Yukon-Koyukuk	I23K	Alaska,U.S.A.	65.1479N	149.3603W	149	From 2014-10-03
Minucciano (LU)	T0912	Italy	44.1685N	10.2095E	686	From 2013-06-21
Minye Minye	MNMC	Tarapaca,Chile	19.1311S	69.5955W	2304	
Minye Minye	MNMCX	Tarapaca,Chile	19.1310S	69.5955W	2304	From 2012-01-01
Mio	H47A	Michigan,U.S.A.	44.5994N	84.2062W	356	From 2012-11-08
Miomork	IMID	Iceland	63.6580N	19.8860W	132	From 1989-12-21
Mirabel	MRBQ	Quebec,Canada	45.7972N	73.9852W	97	From 2019-05-11
MIRABELLA ECLANO	MIR27	Italy	41.0437N	14.3933E	364	From 2019-07-08
Miracle	EMIR	Spain	41.9144N	1.5258E	841	
Miradouro	MIRA	Azores,Portugal	37.7855N	25.2787W	702	From 1999-04-27
Miraflores	MRF	Peru	12.1316S	77.0249W		
Miraflores	CLIM	Colombia	0.9413N	77.8867W	4232	
Miraflores	MFS3	Panama	9.0008N	79.5937W	6	
Mira Loma	MLSC	California,U.S.A.	34.0046N	117.5616W	230	
Miramar	MIRN	Nicaragua	12.4400N	86.7117W	280	
Miramar, Colon	MIRA3	Panama	9.5760N	79.3300W	5	From 2010-01-01
Miramar, N1	TUN1	Nicaragua	12.1552N	86.7499W	23	
Miramichi	MINB	New Brunswick,Canada	46.9700N	66.5300W	0	From 1982-06-01
Miranda	MIDA	Italy	41.6419N	14.2540E	950	From 2004-07-07
Mirandola	SGIA	Italy	44.8592N	11.0358E	20	
Mirandola MO	MIRAN	Italy	44.8755N	11.0628E	17	
Mirandola (MO)	MIR03	Italy	44.9384N	11.1045E	10	From 2012-05-23
Mirandola (MO)	MIR02	Italy	44.8870N	11.0732E	18	From 2012-05-22
MIRINA LIMNOU	LMN1	Greece	39.8750N	25.0588E	18	From 2013-02-01
Mirnyy	MIR	Queen Mary Land	66.5514S	93.0167E	34	
Mirrayikh	MYKS	Saudi Arabia	21.5545N	39.3323E		
Mirror Lake Plateau	YMP	Wyoming,U.S.A.	44.7402N	110.1560W	2774	
MIRYANG	KSMIY	Republic of Korea	35.4864N	128.7412E	13	From 2000-03-04
Miryangsannae	MSNA0	Republic of Korea	35.5884N	128.9538E	237	From 2018-03-09
Miryang-si	MIYA	Republic of Korea	35.4917N	128.7445E	50	From 2011-10-05
Misaki	MSK	Kanagawa,Japan	35.1500N	139.6170E		
Misakicho	RUSJ	Hokkaido,Japan	44.1043N	145.2477E	70	
Misakubo	MSKJ	Shizuoka,Japan	35.1934N	137.9390E	754	From 1979-04-01
Misere	A54	Quebec,Canada	47.4567N	70.4125W	381	From 1977-08-30
Misericordia	VMS	Luzon,Philippines	13.2500N	123.7550E		
Mishima	MIS	Shizuoka,Japan	35.1117N	138.9300E	22	
Mishlifen	MIF	Morocco	33.4090N	5.2290W	2070	
Misima Island	MISM	Papua New Guinea	10.6854S	152.8401E	17	From 2013-05-10
Misoa	MISV	Venezuela	9.9730N	70.9256W	768	
Misono	MSN	Hidaka,Japan	42.4232N	142.5414E	100	From 1976-07-01
Misrath	LMSR	Libya	32.3125N	15.0083E	114	
Mission Creek	MSMT	Montana,U.S.A.	45.6305N	110.3537W	1926	
Mission Ridge	H28A	South Dakota,U.S.A.	44.6751N	101.0206W	642	From 2009-06-12 to 2011-05-07
Mission San Jose	CMJM	California,U.S.A.	37.5202N	121.8733W	479	From 1972-07-01
Mission San Jose	MSJ	California,U.S.A.	37.5202N	121.8733W	479	From 1972-07-01
Mission Trails Regional Park	MTRP	California	32.8203N	117.0567W	200	From 2002-01-05
Missoula	MSO	Montana,U.S.A.	46.8292N	113.9406W	1264	From 1973-11-01
Miston	MIST	Tennessee,U.S.A.	36.1707N	89.5023W	80	
Mistretta	ME01	Italy	37.9329N	14.3611E	944	From 2007-10-18 to 2009-02-03
Mitaka	MTK	Tokyo,Japan	35.6667N	139.5000E	57	
Mitchell	MC-	South Dakota,U.S.A.	43.6544N	97.9194W	366	From 1962-05-09 to 1962-06-28
Mitchell	MH-	Nebraska,U.S.A.	41.8889N	103.8917W	1311	From 1962-10-15 to 1962-10-27
Mitchell	MH-NB	Nebraska,U.S.A.	41.8889N	103.8917W	1311	From 1962-10-15 to 1962-10-27
Mitchell	MC-SD	South Dakota,U.S.A.	43.6544N	97.9194W	366	From 1962-05-09 to 1962-06-28
Mitchell Dam	HDG10	British Columbia,Canada	52.9343N	132.1304W	5	From 2012-11-16
Mitchell Dam	HG1B	British Columbia,Canada	52.9345N	132.1307W	5	From 2012-11-14
Mitchell Field	MFA	Alaska,U.S.A.	51.9350N	176.5920W		From 1949-07-01 to 1952-12-31
Mitchell Peak, Miramonte	HELL	California,U.S.A.	36.6801N	119.0228W	1145	From 2005-02-11 to 2007-10-14
Mitilini, Lesvos	EAG3	Greece	39.0850N	26.5693E	85	
Mito	MIT	Ibaraki,Japan	36.3783N	140.4720E	29	
Mitogawa	MTGE	Wakayama,Japan	33.5539N	135.6874E	60	
Mitoyo	MITH	Iburi,Japan	42.5728N	140.7804E	325	
Mitsuishi	MUJ	Hidaka,Japan	42.2831N	142.5856E	60	
Mitsune	JHJ2	Bonin Islands,Japan	33.1117N	139.8167E	70	
Mitta Mitta	MITM	Victoria,Australia	36.7317S	147.6587E	470	
Mittler Illalp, ILLGRABEN, VS	ILL14	Switzerland	46.2646N	7.6275E	2195	From 2018-05-15
Mi Wuk Village	MMWM	California,U.S.A.	38.0638N	120.1810W	1411	From 1976-07-12
Mix Canyon Road	MIX	California,U.S.A.	38.4113N	122.0570W	177	From 1971-06-12
Mix Canyon Road	NMXM	California,U.S.A.	38.4113N	122.0570W	177	From 1971-06-12
Miyake jima	MKJ	Bonin Islands,Japan	36.1100N	139.5283E	170	From 1972-02-01
Miyakejima3	JMY	Bonin Islands,Japan	34.0715N	139.5127E	470	
Miyake Tsubota	JMYK	Tokyo	34.0605N	139.5477E	40	From 2016-09-28
Miyako	MIY	Iwate,Japan	39.6450N	141.9680E	46	
Miyako	MKO	Iwate,Japan	39.5900N	141.9820E	125	From 1968-09-01
Miyako jima 2	JMJ	Ryukyu Islands,Japan	24.8147N	125.2935E	43	
Miyako jima3	JMJ2	Ryukyu Islands,Japan	24.7408N	125.3277E	46	From 2013-05-01
Miyakonagasawa	MIYJ	Iwate,Japan	39.5767N	141.8197E	200	From 1990-04-23
Miyako zima	MYK	Ryukyu Islands,Japan	24.7917N	125.2783E	41	
Miyama	JGM	Gifu,Japan	35.6993N	136.7182E	495	
Miyazaki	MYZ	Miyazaki,Japan	31.9200N	131.4233E	7	
Miyazaki 2	MYZ2	Miyazaki,Japan	31.8967N	131.4120E	12	
Miyazu	MYD	Kyoto,Japan	35.5333N	135.2000E		
Miyun	MIY1	Beijing	40.4700N	116.8300E	107	From 2000-01-01 to 2999-01-01
Mizel	MZLS	Saudi Arabia	24.0275N	45.2071E	880	
Mizumiiro	MZI	Shizuoka,Japan	35.0440N	138.2936E	400	
Mizusawa	MIW	Iwate,Japan	39.1343N	141.1360E	63	From 1902-01-01
Mizusawa	MIZ	Iwate,Japan	39.1343N	141.1360E	63	From 1902-01-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Mjoaskard	IMJO	Iceland	63.9329N	19.6724W	704	From 2011-12-15
Mkili	MKIL	Tanzania	10.8807S	34.6813E	490	From 2014-07-24 to 2015-11-04
Mlare	SCHM	Malawi	10.1754S	34.0324E	529	From 2014-07-20 to 2015-11-04
Mlowe	MLOW	Malawi	10.7827S	34.2072E	513	From 2014-07-23 to 2015-11-04
MMAL	MMAL	Swaziland	26.0489S	31.2042E	909	
M & M Farms, Shelby	B16A	Montana,U.S.A.	48.4128N	111.7073W	1038	From 2007-09-26 to 2009-08-12
MNIT	MNIT	Israel	32.4630N	35.0420E	118	From 1988-05-07 to 1990-07-31
Mnogovershinnie	MNVS	Khabarovskiy Kray,Russia	53.8460N	139.8420E	350	
Moa	MOAC	Cuba	20.6600N	74.9600W		
Moab	MBUT	Utah,U.S.A.	38.5334N	109.5099W	1376	From 2006-07-27
Moab Khotsong	MOAB	Transvaal,South Africa	26.9870S	26.7990E	370	From 2008-05-13
Moama Anglican Grammar School	AUMAG	New South Wales,Australia	36.1000S	144.7500E	127	From 2013-05-13
Moapa	T12A	Nevada,U.S.A.	36.7256N	114.7147W	538	From 2007-01-24 to 2008-10-11
Moar Alm	RMOA	Bayern,Germany	47.7617N	12.8645E	815	From 2001-08-24
Moawhango	MOVZ	North Island,New Zealand	39.4067S	175.7529E	874	From 2004-06-01
Moca	MCAB	Puerto Rico	18.4100N	67.0800W	303	
Moca	MFP	Fernando Poo,Equatorial Guinea	3.3418N	8.6609E	1338	From 1963-10-01
Moca	SRO2	Slovakia	47.7627N	18.3940E	109	From 2004-09-25
Moca	MCP	Puerto Rico	18.4190N	67.1107W	250	From 1975-11-14 to 1999-08-25
Moca	MOCA	Puerto Rico	18.4143N	67.0775W		
Moc Chau	MCVV	Vietnam	20.8000N	104.6500E	800	From 2005-03-15
Moccone	MC32	Italy	39.3440N	16.4269E	1300	From 2014-05-14 to 2019-01-31
Mochara	MOCB	Bolivia	21.2505S	65.6380W	3580	From 1993-06-01
Mocine Avenue Hayward	C068	California,U.S.A.	37.6446N	122.0740W	13	From 2013-02-28
Mocksville	V56A	North Carolina,U.S.A.	35.8097N	80.4963W	237	From 2013-03-24
Mocoron	MOCN	Nicaragua	12.7817N	87.0400W		
Model	MOTN	Tennessee,U.S.A.	36.6180N	87.9867W	177	
Modelwitz	MODW	Thuringen,Germany	50.9426N	12.4682E	240	From 2009-09-01
Modena	MODE	Italy	44.6297N	10.9492E	41	From 2007-10-18
Modica	HMDC	Sicily,Italy	36.9580N	14.7820E	540	From 1994-05-01
Modoc Plateau	MOD	California,U.S.A.	41.9025N	120.3029W	1554	From 1999-10-16
Modra-Piesok	MODS	Slovakia	48.3736N	17.2774E	520	
Moessingen	MSG	Baden-Wurttemberg,Germany	48.3992N	9.0353E	475	From 1971-01-01 to 2020-02-01
Moessingen, Sulzgasse	MSGN	Baden-Wurttemberg	48.4082N	9.0581E	462	From 2015-09-01
Moffat	R23A	Colorado,U.S.A.	38.1907N	105.8264W	2547	From 2008-11-05 to 2010-06-17
Moffat, S09	SCR09	Colorado	37.9949N	105.8965W	2312	
Moffit Pass	N17A	Utah,U.S.A.	40.9425N	110.8335W	2500	From 2007-07-11 to 2009-04-22
Moffitt Ranch	GMOM	California,U.S.A.	38.7102N	123.1430W	802	From 1975-05-07
Mogadiscio	MOG	Somalia	2.0333N	45.3500E		
Mogan Creek Rd (Rte 129)	ID04	Idaho,U.S.A.	44.8456N	114.2429W	2500	From 2014-06-25 to 2014-09-24
Moghan	IMOG	Iran	36.1082N	59.3393E	2577	From 1999-07-01
Moghavemat	SMGT	Iran	30.7811N	48.2626E	4	From 2010-08-11
Moglia (MN)	T0827	Italy	44.9377N	10.9319E	10	From 2012-05-30 to 2012-09-19
MOGNA	AMOG	San Juan,Argentina	30.9388S	68.4928W	830	From 1996-09-25
Mogollon	ML-NM	New Mexico,U.S.A.	33.4147N	108.8364W	1646	From 1961-12-15 to 1962-02-16
Mogollon	ML-	New Mexico,U.S.A.	33.4147N	108.8364W	1646	From 1961-12-15 to 1962-02-16
Mogosoaia	PMGR	Romania	44.5275N	25.9939E	141	From 2006-11-23
Mogosoaia	MOGR	Romania	44.5649N	25.9417E	144	From 2003-10-26
Mogote Corralitos	AMLC	San Juan,Argentina	31.3088S	67.9248W	3100	
Mohaka	MOH	North Island,New Zealand	39.1307S	177.1480E	245	From 1987-03-19 to 1997-05-25
Mohangiri	MHNG	Orissa	20.3380N	83.6870E	224	From 2017-09-07
Mohawk Valley, Roll	113A	Arizona,U.S.A.	32.7683N	113.7667W	118	From 2007-05-08 to 2010-05-28
Mohican School	MOSO	Ohio,U.S.A.	40.6115N	82.3827W	370	
Mohonk Preserve	NPNY	New York,U.S.A.	41.7546N	74.1435W	216	From 2007-09-07
Moikau	MOW	North Island,New Zealand	41.4200S	175.2522E	430	From 1978-01-31 to 2003-09-13
Moikau Station	MSWZ	North Island,New Zealand	41.4158S	175.2495E	403	From 2003-08-28
Moi Rana	MOR3	Norway	66.2357N	14.7724E		
Moi Rana	MOR2	Norway	66.2366N	14.7741E		From 1989-01-01 to 1989-12-12
Moi Rana	MOR8	Norway	66.1713N	14.4411E	445	From 1993-08-01
Moi Rana	MOR7	Norway	66.2850N	14.7350E	435	From 1990-05-23 to 1993-08-31
Moi Rana	MOR1	Norway	66.2374N	14.7721E	650	From 1989-01-01 to 1989-12-12
Moi Rana	MOR4	Norway	66.2367N	14.7668E		From 1989-01-01 to 1989-12-12
Moi Rana	MOR5	Norway	66.2377N	14.7664E		
Moi Rana	MOR6	Norway	66.2370N	14.7670E	650	From 1986-02-01 to 1989-12-12
Mojave River Dam	MRD	California,U.S.A.	34.6757N	117.2410W	969	
Mojotorillo	BS03	Bolivia	19.3170S	64.3800W	3664	From 2011-09-09
Mokapu	MOK	Hawaii,U.S.A.	21.4565N	157.7370W	90	From 1965-04-01 to 1999-08-25
MOKOCHONG	MOKO	Nagaland,India	26.3210N	94.5156E	1353	From 2011-05-01
Mokoisa, Kandavu	KDVU	Fiji	19.0992S	178.1629E	27	
Mokollar	IMKO	Iceland	64.9778N	16.3391W	660	From 2005-11-01
Mokpo	KSMOK	Republic of Korea	34.7656N	126.7378E	140	From 2008-01-01
Mokpo	KSMOP	Republic of Korea	34.8083N	126.3766E	37	From 2000-02-11
Moku`a@18weoweo	MWH	North America,U.S.A.	19.4850N	155.5970W	4104	
Mol	BMOL	Belgium	51.2144N	5.0861E	-198	From 2008-06-03
Molcaxac	MOPM	Puebla,Mexico	18.7333N	97.9167W	1840	
Molde	MOL	Norway	62.5700N	7.5480E	98	From 1987-02-01
Moldovita	MDVR	Romania	44.7815N	21.7128E	720	From 2010-11-09
Molesworth	MLWM	Victoria,Australia	37.1368S	145.5105E	280	
Moliterno	MOLE	Italy	40.2514N	15.8296E	1130	
Molkenrain	MOF	Alsace,France	47.8517N	7.1332E	1085	From 1982-01-01
Mollaro	DMOL	Italy	46.2932N	11.0630E	335	From 2016-10-04
Mollejon	MOLL	Venezuela	7.7350N	71.6289W	900	From 1984-01-01
Molln	MOA	Austria	47.8495N	14.2659E	572	From 1996-01-01
Moma	MOMR	Sakha,Russia	66.4667N	143.2167E	192	
Mombacho	MOBN	Nicaragua	11.8317N	85.9777W	1000	
Mombaroccio (PU)	AD03	Italy	43.7910N	12.8474E	377	From 2010-03-29
Momias	MOMI	Spain	36.3301N	5.7200W	370	
Momote	MOM	Admiralty Islands,Papua New Guinea	2.0417S	147.4020E	10	From 1969-10-01
Momotombo	MOMJ	Nicaragua	12.4083N	86.5400W	500	
Momotombo	MOMN	Nicaragua	12.4083N	86.5400W	500	
Mompeo	MMP1	Italy	42.2492N	12.7483E	471	From 2008-11-12
Mompiche	AMOM	Ecuador	0.4923N	80.0465W	27	From 2011-04-07
Mompiche - El Palmar	MOMP	Ecuador	0.4978N	80.0114W	44	From 2018-07-19
Monaco	MON	Monaco	43.7306N	7.4250E	52	
Monahans	MNHN	Texas,U.S.A.	31.3402N	102.7614W	750	From 2017-08-02
Mona Island, PR	IMPR	Puerto Rico	18.0770N	67.9311W	9	From 2009-07-15
Monand	IMON	Iran	33.1922N	59.6667E	2150	From 2005-12-01
Monarch Peak	PMPB	California,U.S.A.	36.2159N	120.8013W	802	
Monarch Peak	PMPM	California,U.S.A.	36.2157N	120.7974W	754	From 1970-08-14 to 2011-07-22
Monarch Peak	MOP	California,U.S.A.	36.2157N	120.7974W	754	From 1970-08-14 to 2011-07-22
Monasavu	MSV	Fiji	17.7578S	178.0544E	626	From 1983-02-01
Monasteraki	MOKI	Greece	38.4034N	21.9252E	-235	From 2012-10-26
Monastery St. Joachim Osogovski	KPJ	FYR Macedonia	42.2092N	22.3617E	700	From 1995-01-01
Monastry St. Andrei	MSAB	Romania	44.0910N	27.8256E	106	From 2000-10-24
Moncatshausen	BE1	Bayern	47.9108N	11.2213E	746	From 2011-05-13
Moncalieri	MNC	Italy	45.0000N	7.7000E	238	
Moncks Corner	MKC	South Carolina,U.S.A.	33.1900N	80.0400W	25	From 1973-03-13 to 1973-10-01
Moncorvo	MVO	Portugal	41.1644N	7.0289W	860	From 1980-08-01
Moncucco Torinese	MONC	Italy	45.0739N	7.9271E	480	From 2005-01-13
Mondaino (RN)	AD02	Italy	43.8471N	12.6687E	355	From 2010-03-30
Mondonedo	EMON	Spain	43.4361N	7.3298W	615	From 1988-07-01
Mondragone	MODR	Italy	41.1459N	13.8779E	345	From 2007-06-19
Mondy	MOY	Buryatiya,Russia	51.6667N	100.9931E	1303	
Monemvasia	MNVA	Greece	36.6871N	23.0374E	7	From 2010-05-13
Monesi	MONE	Italy	44.0795N	7.7550E	1320	From 1991-06-01 to 2009-09-30
Monestir Poblet	POBL	Spain	41.3793N	1.0847E	515	
Monetta	MTT	South Carolina,U.S.A.	33.7503N	81.6400W	182	From 1976-08-09
Mongiuffi-Melia	MMME	Sicily,Italy	37.9350N	15.2540E	905	From 1993-12-01
Mongu	MONG	Zambia	15.1500S	23.0900E	1057	
Moni Apezanon	APEZ	Crete,Greece	34.9777N	24.8859E	435	
Monida	MOMT	Montana,U.S.A.	44.5933N	112.3940W	2220	
Moni Osiou Meletiou,Attica,Greece	PARN2	Greece	38.1923N	23.4579E	548	
Monjas	MJAS	Ecuador	0.2520S	78.4980W	2800	
Monmouth	MONM	Wales,United Kingdom	51.8396N	2.8054W	145	From 2009-07-14
Monmouth DOGAMI SMO	MONO	Oregon,U.S.A.	44.8537N	123.2414W	60	From 2008-02-12
Monnetier-Mornex	OG02	Rhone-Alpes,France	46.1542N	6.2208E	620	From 1989-11-10
Monobe	JMN	Kochi,Japan	33.7282N	133.8790E	550	
Mono Craters	MCCR	California,U.S.A.	37.9194N	119.0253W	2255	
Mono Craters	MCRR	California,U.S.A.	37.8872N	118.9937W	2268	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Mono Lake	ML2	California,U.S.A.	38.0806N	119.2442W	2987	From 1966-08-24 to 1966-09-09
Mono Lake	ML1	California,U.S.A.	37.8806N	118.8494W	2512	From 1966-08-22 to 1966-08-26
Mono Lake	ML4	California,U.S.A.	38.3058N	119.5536W	2195	From 1966-08-23 to 1966-09-09
Mono Lake	ML1CL	California,U.S.A.	37.8806N	118.8494W	2512	From 1966-08-22 to 1966-08-26
Mono Lake	ML2CL	California,U.S.A.	38.0806N	119.2442W	2987	From 1966-08-24 to 1966-09-09
Mono Lake	ML3CL	California,U.S.A.	37.5494N	118.8153W	2512	From 1966-08-25 to 1966-09-09
Mono Lake	ML4CL	California,U.S.A.	38.3058N	119.5536W	2195	From 1966-08-23 to 1966-09-09
Mono Lake	ML3	California,U.S.A.	37.5494N	118.8153W	2512	From 1966-08-25 to 1966-09-09
Monomi-yama	K08	Iwate,Japan	39.3128N	141.5244E	488	
Mono Valley	MONR	California,U.S.A.	38.0608N	118.7760W	2179	From 1974-07-01 to 2002-10-10
Monowai	MNW	South Island,New Zealand	45.7787S	167.6188E	155	From 1935-07-01 to 1978-11-26
Monroe	Y53A	Georgia,U.S.A.	33.8554N	83.5836W	234	From 2012-04-12
Monroe	142A	Louisiana,U.S.A.	32.5488N	91.9457W	23	From 2011-02-22 to 2012-11-13
Monroe Substation	MBPA	Washington,U.S.A.	47.8985N	121.8889W	186	
Monserrat	MRB	Spain	41.5950N	1.8372E	860	
Monsted	NE02	Denmark	56.4590N	9.1700E	60	From 1983-02-01 to 2001-07-28
Monsted U'grnd	MUD	Denmark	56.4550N	9.1733E	12	From 1982-03-01
Mont	MONL	Aquitaine,France	43.4328N	0.6506W	100	
Montachique	MTH	Portugal	38.8967N	9.1925W	409	
Montagna Grande	MTGR	Sicily,Italy	37.8934N	12.7593E	751	From 2000-07-01
Montagne du Rey	REYF	Aquitaine,France	43.0697N	0.3925W	1000	From 1996-12-12
Montagnes des Pe@15res	MDP	French Guiana,France	5.1014N	52.6416W	110	
Montagnes des Peres	MPGF	French Guiana,France	5.1100N	52.6440W	147	
Montagne Vauclin	MVM	Martinique,France	14.5545N	60.8955W	361	From 1975-01-01
Montagny	OG11	Rhone-Alpes,France	45.4527N	6.6095E	1120	From 1993-07-07
Montague	B040	California,U.S.A.	41.8308N	122.4205W	594	
Montague	J45A	Michigan,U.S.A.	43.4354N	86.3889W	209	From 2012-09-13
Montague, CA	MOGU	California	41.8304N	122.4200W	835	From 2018-09-01
Montague Island	MTU	Alaska,U.S.A.	59.9878N	147.6520W	434	
Montague Island	MTG	Alaska,U.S.A.	59.9118N	147.4970W	31	From 1974-10-03 to 1985-07-31
Montague Island	P23K	Alaska,U.S.A.	59.9979N	147.4031W	287	From 2016-05-22
Montalto (Apecchio) - PU	AT03	Italy	43.5359N	12.3860E	789	From 2010-04-18
Montana	MNNAM	Bulgaria	43.4111N	23.2262E	231	From 2012-11-20
Montana Mountain View Ranch	MVMT	Montana	47.0338N	112.9296W	1326	From 2019-05-07
Montana Rajada	CRAJ	Canary Islands,Spain	28.2649N	16.5969W	2474	From 2004-06-11
Montanita	PT21	Peru	6.8490S	79.1360W	1200	
Montappone	MNTP	Italy	43.1374N	13.4693E	325	From 2012-11-15
Montappone	MN3	Italy	43.1400N	13.4705E	368	From 2004-04-20
Montargil	PMTG	Portugal	39.0690N	8.2253W	190	From 2008-09-25
Montasola	MNS	Italy	42.3847N	12.6808E	600	From 1978-01-01
Montasola	MA1	Italy	42.3846N	12.6800E	600	From 1978-01-01
Montbardon	MBDF	Provence-Cote d'Azur,France	44.7269N	6.7714E	1520	From 1996-04-03
Mont Bernier	MBV	Vanuatu	17.6587S	168.3100E		
Montcerf-Lytton	E55A	Quebec,Canada	46.4538N	76.0572W	180	From 2013-07-28
Mont Chateau	MCWV	West Virginia,U.S.A.	39.6581N	79.8456W	280	From 1991-03-28
Mont Chauve - France	NICEF	Provence-Cote d'Azur,France	43.7709N	7.2546E	850	
Montclair	MONJ	New Jersey,U.S.A.	40.8083N	74.2308W	98	
Montclair St. U.	MSNJ	New Jersey,U.S.A.	40.8841N	74.1815W	132	From 2000-11-02
Montcuq	MONQ	Midi-Pyrenees,France	44.3676N	1.1953E	240	From 2011-09-22
Mont de Guillon, France	MDGS	Franche Comte,France	47.3146N	6.3929E	400	From 2004-10-20 to 2008-12-09
Mont-d'or	MLG	Guadeloupe,France	16.0613N	61.7103W	642	
Mont Dore	PLUM	New Caledonia	22.2730S	166.6400E	9	From 2007-01-01
Mont Dzumac	DZM	New Caledonia	22.0710S	166.4440E	905	From 1985-01-01
Monte Acero	MAB1	Italy	41.2589N	14.4958E	723	
Monteagle	MEA	New South Wales,Australia	34.2083S	148.3930E		From 1966-08-14 to 1972-08-09
Monte Alegre	MALB	Para,Brazil	1.8529S	54.2649W	27	From 2014-04-26 to 2018-05-31
Monte Alegre, PA, Brazil	MAL2	Para	2.0183S	54.1807W	222	From 2018-06-20
Monte Arcimis	EMAR	Sicily,Italy	37.6883N	15.0623E	1250	From 1994-10-01
Monte Arcimis	EARC	Sicily,Italy	37.6938N	15.0643E	1267	From 2002-10-01
Monte Argentario	MAO	Italy	42.4167N	11.1522E	326	From 1983-08-01
Monte Argentario	MAON	Italy	42.4283N	11.1309E	237	From 2003-07-25
Monte Baldo	BALI	Trentino,Italy	45.7813N	10.8623E	1685	From 1981-06-15 to 1990-12-31
Monte Baldo	BALD	Italy	45.6831N	10.8181E	1911	From 2007-11-08
Monte Baldo - Osservatorio Astronomico Novezzina	MBAL	Italy	45.6975N	10.8589E	1213	From 2017-06-23
Montebello Ionico	MMBI	Italy	38.0330N	15.7630E	950	From 1993-12-01
Montebello Ridge	MTB	California,U.S.A.	37.2907N	122.0910W	347	From 1975-02-07 to 1976-12-23
Montebelluna (TV)	MBEL	Italy	45.7993N	12.0686E	271	From 2010-06-09
Monte Bonifato	MBFT	Italy	37.9461N	12.9535E	520	From 2017-02-21
Montecalvo in Foglia	MCIF	Italy	43.8116N	12.6317E	330	From 2013-12-04
Montecano	MONV	Venezuela	11.9550N	69.9710W	170	From 2002-04-17
Monte Cassino	MCI	Italy	41.4833N	13.8167E	527	
Monte Cavallo	MTCL	Italy	42.9939N	12.9994E	660	From 2018-04-12
Monte Cedrone	ATMC	Italy	43.4468N	12.1928E	739	From 2009-01-29
Montecelio	MTCE	Italy	42.0228N	12.7422E	388	From 2002-12-05
Monte Christo, N12	TUN12	Nicaragua	13.3854N	86.0810W	803	
Montecilfone	MCLF	Italy	41.9016N	14.8374E	397	From 2018-08-21
Montecillos	BB01	Bolivia	18.0705S	65.2608W	2290	From 2011-11-10
Monte Cimone	MME	Italy	44.1936N	10.7000E	2160	
Monte Civitella	MCIV	Italy	42.7786N	11.6765E	790	From 2010-05-17
Monte Civitello	AT11	Italy	43.3818N	12.4199E	662	From 2011-06-08
Monte Cocuzzo	CZI	Italy	39.2183N	16.1336E	1700	From 1982-01-01
Monte Cornaccione	MC2	Italy	42.9127N	13.1905E	1916	From 2005-09-08
Montecristi	MCDR	Dominican Republic	19.8923N	71.6568W	55	From 2014-02-07
MONTECRISTI 3	VMON	Ecuador	1.0562S	80.6635W	241	From 2016-05-17
MONTECRISTI, CIUDAD ALFARO	AMO1	Ecuador	1.0535S	80.6642W	227	From 2016-04-20
Montecristo	MTO	El Salvador	14.3897N	89.4050W	1380	
Montecristo	MTO3	El Salvador	14.3989N	89.3606W	1828	From 2011-07-28
Montecristo 2	MTO2	El Salvador	14.4000N	89.3617W	1870	
Montecristo (LI)	A316A	Italy	42.3337N	10.2957E	38	From 2015-11-03
Monte Cristo Peak	MCU	Utah,U.S.A.	41.4617N	111.5070W	2664	From 1975-12-01
Montecucco	N002	Italy	43.3731N	12.3296E	538	From 2011-03-15
Monte Cuccoli	MOCL	Italy	44.0050N	11.1800E	639	From 2008-11-19
Monte D'Aria	MDAR	Italy	43.1927N	13.1427E	940	From 2008-10-26
Monte dei Santi	ESAN	Sicily,Italy	37.6945N	14.9677E	1690	From 1994-10-01
Monte di Procida	MTPR	Italy	40.7949N	14.0551E	89	From 2019-10-17
Monte di Procida	MPCD	Italy	40.7944N	14.0552E	88	From 2019-12-13
Monte do Carmo	MCRB	Tocantins,Brazil	10.6344S	47.8289W	261	From 2011-07-01
Monte do Carmo - TO	RET11	Tocantins,Brazil	10.6344S	47.8289W	261	From 2011-07-01
Montedoro	CMDO	Italy	37.4639N	13.8229E	569	From 2013-11-27
Monte Escuro	MESC	Azores,Portugal	37.7931N	25.4456W	790	From 1990-01-19
Monte Escuro	MTSA	Azores,Portugal	37.7810N	25.4384W	826	
Montefalcone Appennino	MF5	Italy	42.9888N	13.4605E	770	From 2000-07-19
Monte Fema	FEMA	Italy	42.9621N	13.0498E	1370	From 2009-09-23
Monte Figo	PFMF	Portugal	37.1005N	7.8235W	398	From 1996-01-01
Monte Figo	FIG	Portugal	37.1006N	7.8283W	310	From 1984-03-30 to 2009-05-30
Monte Finestrelle	MFNL	Sicily,Italy	37.7908N	12.9224E	677	From 2000-07-01
Monte Foce - Gubbio	ATFO	Italy	43.3666N	12.5715E	960	From 2009-08-10
Monte Fontane	EMFO	Sicily,Italy	37.7352N	15.0835E	1134	From 1994-10-01
Montefortino	MTFT	Italy	42.9419N	13.3426E	582	From 2018-04-13
Montegabbione	MGAB	Italy	42.9126N	12.1121E	547	From 2008-04-02
Monte Giove	MGIO	Italy	43.5606N	12.2036E	706	From 2011-10-01
Montego Bay	MBJ	Jamaica	18.4027N	77.8627W	576	
Montegrosso	MGRO	Italy	44.0424N	7.8081E	1689	From 2012-09-19
Monte Grosso	EMGR	Sicily,Italy	37.6703N	15.0073E	1350	From 1994-10-01
Montehunto	PMJU	Portugal	39.1750N	9.0488W	660	
Monte Intraleo	EMIL	Sicily,Italy	37.7213N	14.9165E	1560	From 1994-10-01
Monte La Croce	MTCR	Italy	44.0270N	10.9980E	1289	From 2012-04-02
Montelago di Sassoferrato	SSFR	Italy	43.4363N	12.7822E	750	From 2010-07-23
Montelago di Sefro	MML1	Italy	43.1135N	12.9717E	943	From 2006-09-07
Monte Lauro	MEU	Sicily,Italy	37.1011N	14.9300E	985	
Monteleto	CC03	Italy	43.3780N	12.5163E	513	From 2011-03-15
Monte Lirio	MLIR	Panama	9.2412N	79.8533W	34	
Monte Lirio, Chiriqui	MLIR3	Panama	8.7930N	82.8240W	886	From 2010-01-01
Montella	MNT3	Italy	40.8370N	15.0067E	866	
Monte Llano	DR4	Dominican Republic	19.4672N	70.3600W		
Monte Llano	DR04	Dominican Republic	19.4672N	70.3600W	327	
Montello	M13A	Nevada,U.S.A.	41.3602N	114.1655W	1514	From 2006-05-04 to 2008-08-19
Montello	MTLO	Italy	45.8133N	12.0967E	350	From 1988-01-01
Monte Luro di Tavullia	TV6	Italy	43.9103N	12.7755E	289	From 2007-09-14

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Monte Maddalena	GRDM	Italy	45.5451N	10.2795E	785	From 2007-05-01
Monte Magaggiaro	MMGO	Sicily,Italy	37.6619N	12.9767E	397	From 2000-07-01
Montemarano	MTMR	Italia	40.9184N	15.0026E	849	From 2017-06-08
Monte Martano	MOMA	Italy	42.8039N	12.5701E	1040	From 2011-10-01
Monte Massico	MSC	Italy	41.1914N	13.9714E	109	
Monte Miggiano Umbertide	ATMI	Italy	43.3342N	12.2680E	573	
Montemonaco	MMO1	Italy	42.8993N	13.3268E	957	From 2008-10-08
Montemor	MOE	Portugal	38.5228N	8.3506W	263	From 1983-02-19
Monte Murano	MMUR	Italy	43.4418N	12.9973E	800	From 2008-10-26
Montemurlo	MPPT	Italy	43.9575N	11.0902E	751	From 2015-06-04
Monte Nero	EMNR	Sicily,Italy	37.8162N	15.0260E	1745	From 2003-09-01
Monte Nero	EN6*	Sicily,Italy	37.8058N	15.0389E		From 1966-04-01 to 1966-05-01
Monte Paganuccio	MPAG	Italy	43.6292N	12.7595E	930	From 2008-10-26
Monte Parmentelli	EMPL	Sicily,Italy	37.6790N	14.9698E	1434	From 1994-10-01
Monte-Pele	MPM	Martinique,France	14.8120N	61.1680W	1190	
Monte Pellegrino	MPG	Sicily,Italy	38.1617N	13.3600E	600	From 1994-03-01
Monte Pirata	MTP	Puerto Rico	18.0972N	65.5525W	120	From 1975-04-01
Monte Pirata	MTPB	Puerto Rico	18.0900N	65.5500W	175	
Monte Pizzetto	PZZT	Italy	44.1313N	10.8617E	1236	From 2005-08-09
Monte Prat	MPRI	Italy	46.2417N	12.9883E	762	From 1977-06-02
Montereale (AQ), Italy	MB12	Italy	42.5297N	13.2444E	829	From 2016-11-30 to 2016-12-06
Montereale campo di calcio	MN09	Italy	42.5299N	13.2455E	827	From 2016-08-27
Montereale, ex municipio	MN06	Italy	42.5240N	13.2448E	923	From 2016-08-26
Montereale ex prefettura	MN08	Italy	42.5262N	13.2413E	916	From 2016-08-27
Montereale isola ecologica	MN04	Italy	42.5291N	13.2352E	977	From 2016-08-27
Montereale Pi¨ di Colle	MN02	Italy	42.5139N	13.2670E	827	From 2016-08-26
Montereale Pi¨ di Colle2	MN03	Italy	42.5192N	13.2553E	823	From 2016-08-26
Monterenzio	MTRZ	Italy	44.3763N	11.4663E	594	From 2007-12-12
Monterey	MTR	California,U.S.A.	36.6005N	121.9180W	192	From 1970-11-27
Monterey	HMOM	California,U.S.A.	36.6005N	121.9180W	192	From 1970-11-27
Monterey Bay OB	MOBB	California,U.S.A.	36.6906N	122.1660W	-1036	
Monteria	MONA	Colombia	8.7700N	75.6600W	500	
Monteria, Cordoba	MOTC	Colombia	8.7785N	75.6650W	109	From 2009-06-01
Monte Rocchetta	MRB1	Italy	41.1264N	14.9728E	625	
Monte Rojo	SDD10	Dominican Republic	19.2105N	69.2698W	385	
Monte Rosa	MR6*	Sicily,Italy	38.4792N	14.9578E		From 1966-04-01 to 1966-05-01
Monte Rota	SEST	Italy	46.7493N	12.2165E	1729	From 2003-11-12
Monterrey	MNIG	Nuevo Leon	25.6100N	100.2900W	674	From 2011-12-02
Monte Ruvolo	EMRV	Sicily,Italy	37.7463N	14.8835E	1205	From 1994-10-01
Monte S. Angelo	MSAG	Italy	41.7120N	15.9096E	890	From 2006-05-25
Montesano	B017	Washington,U.S.A.	46.9960N	123.5575W	-185	
Montesano sulla Marcellana	MTSN	Italy	40.2663N	15.7515E	1056	From 2006-08-07
Monte Santa Maria Tiberina	SMTM	Italy	43.4360N	12.1627E	660	From 2011-10-01
Monte Sant'Angelo	FGMS	Italy	41.7079N	15.9534E	848	
Monte Sant'Angelo (FG)	MS1	Italy	41.7050N	15.9420E	830	From 1982-04-01
Montesarchio	MSB1	Italy	41.0897N	14.6594E	610	
Monte Scavo	ESVO	Sicily,Italy	37.7728N	14.9468E	1680	From 1994-10-01
Montes Claros	MCI8	Minas Gerais,Brazil	16.6597S	43.9203W	696	From 2012-01-01
Montes Claros	MC01	Minas Gerais,Brazil	16.7074S	43.9417W	740	From 2012-05-01
Montes Claros	MC02	Minas Gerais,Brazil	16.7610S	43.9123W	840	From 2012-05-01
Montes Claros	MC03	Minas Gerais,Brazil	16.6390S	43.8814W	798	From 2012-05-01
Montes Claros	MC04	Minas Gerais,Brazil	16.6793S	43.9035W	685	From 2012-05-01
Montes Claros	MC05	Minas Gerais,Brazil	16.7551S	44.0105W	871	From 2012-05-01
Montes Claros	MC06	Minas Gerais,Brazil	16.6535S	43.8886W	682	From 2012-05-01
Montes Claros	MCI6	Minas Gerais,Brazil	16.8070S	43.8933W	736	From 2012-01-01
Montes Claros	MCI7	Minas Gerais,Brazil	16.7785S	43.8213W	714	From 2012-01-01
Montes Claros	MCI9	Minas Gerais,Brazil	16.6980S	43.8933W	670	From 2012-01-01
Monte Sirino - Moliterno	SIRI	Italy	40.1821N	15.8675E	1063	From 2006-08-07
Monte Soro	MNO	Sicily,Italy	37.9331N	14.6947E	1830	
Monte Soro	ESRO	Sicily,Italy	37.9308N	14.6940E	1847	From 1994-10-01
Monte Spagnolo	EMSG	Sicily,Italy	37.8208N	14.9498E	1435	From 1994-10-01
Monte Stella (Cilento), (SA)	MSTE	Italy	40.2378N	15.0654E	1111	From 2015-02-12
Monte Urbino	MURB	Italy	43.2630N	12.5246E	845	From 2004-01-21
Monteverde	MTEVE	Costa Rica,Costa Rica	10.3190N	84.8270W	1392	
Monte Vetore	EMVT	Sicily,Italy	37.6910N	14.9835E	1855	From 1994-10-01 to 2005-07-13
Monte Vettore	MVT	Sicily,Italy	37.6892N	14.9861E	1660	
Monteview	I15A	Idaho,U.S.A.	43.9997N	112.4850W	1470	From 2007-08-14 to 2009-06-05
Monte Vulture - Melfi	VULT	Italy	40.9549N	15.6163E	1101	From 2005-08-12
Monteynard	MNY	Rhone-Alpes,France	44.9606N	5.6911E	422	From 1963-09-01
Montezuma	S30A	Kansas,U.S.A.	37.6402N	100.4640W	853	From 2009-04-15 to 2011-03-16
Montezuma	MTZ	Antofagasta,Chile	22.6333S	68.8333W	1850	From 1933-01-01 to 1999-08-25
Montezuma Peak	MZP	Nevada,U.S.A.	37.7007N	117.3834W	2395	From 1979-07-13
Montgomery	MGVT	Vermont,U.S.A.	44.9135N	72.6277W	262	From 1977-08-01 to 1981-08-25
Mont Gurugu	GOG	Morocco	35.2220N	2.9960W	888	
Monticchio (on alluvial deposits)	PC05	Italy	42.3169N	13.4613E	660	From 2009-04-29 to 2009-04-07
Monticchio (on limestone)	PC04	Italia	42.3168N	13.4660E	683	From 2009-04-29 to 2009-05-07
Monticelli Brusati	MLBT	Italy	45.6323N	10.0993E	281	From 2019-07-30
Monticello	Z53A	Georgia,U.S.A.	33.2801N	83.5713W	144	From 2012-04-09
Monticello	MCEL	Italy	40.3249N	15.8019E	960	From 2006-08-07
Monticello	N46A	Indiana,U.S.A.	40.8949N	86.7352W	209	From 2011-10-13
Monticello Reservoir Site 1	MR01	South Carolina,U.S.A.	34.3318N	81.2957W	131	
Monticello Reservoir Site 10	MR10	South Carolina,U.S.A.	34.3363N	81.3375W	137	
Monticello Reservoir Site 2	MR02	South Carolina,U.S.A.	34.1929N	81.2302W	84	
Monticello Reservoir Site 3	MR03	South Carolina,U.S.A.	34.3514N	81.4569W	125	
Monticello Reservoir Site 4	MR04	South Carolina,U.S.A.	34.4287N	81.2166W	145	
Monticello Reservoir Site 5	MR05	South Carolina,U.S.A.	34.2675N	81.3342W	103	
Monticello Reservoir Site 6	MR06	South Carolina,U.S.A.	34.3517N	81.1962W	137	
Monticello Reservoir Site 7	MR07	South Carolina,U.S.A.	34.3720N	81.3250W	134	
Monticello Reservoir Site 8	MR08	South Carolina,U.S.A.	34.4088N	81.4092W	112	
Monticello Reservoir Site 9	MR09	South Carolina,U.S.A.	34.3008N	81.4030W	122	
Monti di Nese	MDI	Italy	45.7772N	9.7114E	1025	
Montjuic	MTJR	Spain	41.3701N	2.1561E	51	From 2011-05-25
Montmorin, 05088, Hautes-Alpes, Provence-Alpes-Côte d'Azur	A216A	France	44.4291N	5.5499E	1245	From 2016-02-17
Montolieu	MTLF	Languedoc-Rousillon,France	43.3411N	2.2175E	365	From 1996-04-03
Mont Orford	MOQ	Quebec,Canada	45.3120N	72.2541W	841	From 1991-05-03
Montorio al Vomano	MVMN	Italy	42.5809N	13.6233E	317	From 2019-10-15
Montottone	MNTT	Italy	43.0620N	13.5957E	902	From 2012-04-19
Montottone (Fermo)	T0401	Italy	43.0621N	13.5957E	343	
Montouss	FMON	Midi-Pyrenees,France	43.0634N	0.4164E	647	From 2008-09-01
Montpelier	MPVT	Vermont,U.S.A.	44.2783N	72.6067W		From 1977-06-27 to 1981-08-25
Montreal	MNT	Quebec,Canada	45.5025N	73.6231W	112	From 1954-09-01 to 2010-05-21
Montreal, Quebec	MNTQ	Quebec,Canada	45.5003N	73.6228W	112	From 2010-07-26
Mont Rhoder	AMRH	Algeria	35.8572N	4.9388E	1530	
MONT RIVEL	RIVEL	Franche Comte	46.7590N	5.9225E	800	From 2014-02-12
Montrose	154A	Georgia,U.S.A.	32.6131N	83.1066W	111	From 2012-03-20
Montrose	MS-	Pennsylvania,U.S.A.	41.7611N	75.7975W	457	From 1962-07-24 to 1962-07-27
Montrose	MS-PA	Pennsylvania,U.S.A.	41.7611N	75.7975W	457	From 1962-07-24 to 1962-07-27
Montrose	MRC	Colorado,U.S.A.	38.4706N	107.8600W	1790	From 1970-01-01 to 1972-11-30
Montrose, S04	SCR04	Colorado	38.3740N	107.9445W	2125	
Mont Sano	MSAL	Alabama,U.S.A.	34.8467N	86.6735W	260	
Monts Chateau	KCH	Kerguelen Islands,France	49.2440S	70.1450E		From 1974-02-01
Montserrat	MWI	Montserrat	16.7130N	62.2220W	46	From 1966-03-20 to 1999-08-25
Montserrat	CMON	Spain	41.5933N	1.8363E	730	From 2015-10-20
Montserrat Volcano Observatory	MVOV	Montserrat	16.7465N	62.2283W	80	
Mont Terri (freefield, SED-Schacht NW400, Brunefarnie), JU	MTI03	Switzerland	47.3716N	7.1669E	719	From 2014-10-03
Mont Terri, (HE Schacht)	MTI02	Switzerland	47.3793N	7.1653E	220	From 2014-05-19
Mont Terri (ME Nische)	MTI01	Switzerland	47.3791N	7.1654E	245	From 2014-05-19
Mont Terri MTIA1, JU	MTIA1	Switzerland	47.3798N	7.1648E	564	From 2014-04-04
Mont Terri MTIA2, JU	MTIA2	Switzerland	47.3718N	7.1715E	545	From 2014-04-04
Mont Terri MTIA3, JU	MTIA3	Switzerland	47.3703N	7.1237E	714	From 2015-01-15
Mont Terri MTIA4, JU	MTIA4	Switzerland	47.3850N	7.2004E	717	From 2015-01-15
Mont Tournerait	TOUF	Provence-Cote d'Azur,France	44.0137N	7.2483E	1830	
Mont Tremblant	TRQ	Quebec,Canada	46.2222N	74.5556W	853	From 1981-03-16
Monturaqui	MTQ	Antofagasta,Chile	24.3400S	68.4400W	3000	
Mont Vial	MVIF	Provence-Cote d'Azur,France	43.8963N	7.1525E	1480	
Mont Vial	MUIF	Provence-Cote d'Azur,France	43.8963N	7.1525E	1480	
Montville, Ohio	GPDO	Ohio,U.S.A.	41.5831N	81.0717W	377	From 2011-08-10
Monument Peak, Mt. Laguna	MONP	California,U.S.A.	32.8927N	116.4225W	1920	From 1998-02-02 to 2007-10-24
Monument Peak TA Vault, Mt. Laguna	MONP2	California,U.S.A.	32.8920N	116.4223W	1875	From 2007-09-17

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Moodus	MD2	Connecticut,U.S.A.	41.5314N	72.4337W	61	
Moodus	MD1	Connecticut,U.S.A.	41.5529N	72.4667W	113	
Moodus	MD4	Connecticut,U.S.A.	41.5023N	72.5121W	106	
Moodus	MD5	Connecticut,U.S.A.	41.4551N	72.4950W	101	
Moodus	MD3	Connecticut,U.S.A.	41.5066N	72.4715W	152	
Moody	335A	Texas,U.S.A.	31.2819N	97.4271W	217	From 2009-11-15 to 2011-10-04
Moondarra Dam	MDRM	Victoria,Australia	38.0990S	146.3790E	250	
Moonee Ponds	MPDM	Victoria,Australia	37.7689S	144.9064E	30	
Moon Mountain	MOON	Oregon,U.S.A.	44.0515N	121.6695W	224	From 2002-08-01
Moore Haven	059A	Florida,U.S.A.	26.9671N	81.1440W	11	From 2012-03-12
Moorlands	MOO	Tasmania,Australia	42.4417S	147.1900E	325	From 1960-01-01
Moosalm	MOTA	Austria	47.3448N	11.1037E	1575	From 1991-02-09
Moose Creek	YUK3	Yukon Territory,Canada	61.7755N	140.4595W	2100	From 2010-08-25
Moose Creek	MSE	Alaska,U.S.A.	61.8383N	148.9670W	1319	From 1984-09-11
Moose Creek	MCID	Idaho,U.S.A.	44.1903N	111.1827W	2149	
Moose Creek Bluff	MCB	Alaska,U.S.A.	64.7225N	147.2250W	200	From 1968-09-01 to 1971-09-30
Moose Pass	MPA	Alaska,U.S.A.	60.4892N	149.3610W	150	From 1973-08-05
Moose Ponds	MOOW	Wyoming,U.S.A.	43.7486N	110.7450W	2128	From 1986-01-01
Moosonee Ontario	MSNO	Ontario,Canada	51.2913N	80.6113W	4	From 2005-07-23
Mopani	MOPA	Transvaal,South Africa	23.5173S	31.3977E	362	From 2004-03-26
Moragy	PKSM	Hungary	46.2119N	18.6413E	170	
Mrgy, Hungary	MORH	Hungary	46.2149N	18.6435E	135	From 2012-02-10
Moraine State Park, Portersville	N54A	Pennsylvania,U.S.A.	40.9617N	79.9892W	408	From 2010-11-06
Moraine State Park, Slippery Rock	PAMR	Pennsylvania,U.S.A.	40.9398N	80.0973W	393	From 2016-08-01
Morassina Schaubergwerk	MORAS	Thuringen	50.5361N	11.2247E	618	From 2019-05-31
Morastadir	IMOR	Iceland	64.3018N	21.7511W	130	From 2017-11-22
Moravia de Chirripo, San Jose	MRVA	Costa Rica	9.8240N	83.4425W	1202	From 2014-10-01
Moravsky	KRUC	Czech Republic	49.0619N	16.3952E	341	
Moravsky Beroun	MORC	Czech Republic	49.7768N	17.5425E	743	From 1995-04-01
Morawa	MORW	Western Australia,Australia	29.0679S	116.0403E	296	From 1999-09-27
Morawa	MRWA	Western Australia,Australia	29.2180S	115.9960E	300	From 1984-06-21
MORCONE	MOR21	Italy	41.3200N	14.7566E	452	From 2017-08-24
Morecambe B102	LBH	England,United Kingdom	54.0325N	2.9058W	-85	From 1990-01-01
Moreh	MORE	Myanmar	24.2360N	94.3010E	240	
Morelia	MRX	Michoacan,Mexico	19.7045N	101.1917W	1560	From 1988-01-01
Morelia	MOIG	Michoacan,Mexico	19.6779N	101.1889W	2000	
Moremi	MREMI	Botswana	22.5697S	27.4468E	911	
Moreno Valley High School, Angel Fire	U24A	New Mexico,U.S.A.	36.4093N	105.2784W	2573	From 2008-05-18 to 2010-04-11
More Nowhere	ST38	Xizang Zizhiqu,China	33.6539N	88.5046E	5069	From 1998-07-12 to 1998-09-02
Moresby, Haida Gwaii	MOBC2	British Columbia,Canada	53.1442N	131.9674W	675	From 2012-11-08
Moresby Island	MOBC	British Columbia,Canada	53.1448N	131.9687W	675	
Moresco	MRSC	Italy	43.0857N	13.7318E	395	From 2016-06-17
Morganfield	MOKY	Kentucky,U.S.A.	37.6470N	87.9010W	204	From 1989-01-01
Morgan Territory	CMOB	California,U.S.A.	37.8104N	121.8027W	743	
Morgan Territory	MTC	California,U.S.A.	37.8110N	121.8037W	745	From 1969-04-17 to 2008-07-16
Morgan Territory	CMOM	California,U.S.A.	37.8110N	121.8037W	745	From 1969-04-17 to 2008-07-16
Morgan Territory	LT17	California,U.S.A.	37.8110N	121.8037W	745	From 1969-04-17 to 2008-07-16
Morgantown	MRG	West Virginia,U.S.A.	39.6331N	79.9544W	281	From 1950-10-01
Morge	MRGE	Italy	45.7698N	7.0610E	1660	From 2005-09-08
Mori	MOR	O shima,Japan	42.1033N	140.5717E	19	
Morici	MORI	Croatia	43.8660N	15.7073E	140	
Morigerati	MGR	Italy	40.1376N	15.5535E	288	
Morin Heights	MRHQ	Quebec,Canada	45.8870N	74.2127W	422	
Morin Heights	MRNQ	Quebec,Canada	45.8425N	74.2934W	59	
Morioka	MRK	Iwate,Japan	39.6967N	141.1667E	154	
Morioka 2	MRKJ	Iwate,Japan	39.5988N	141.3238E	380	From 1992-02-21
Moriya	MRJ	Ibaraki,Japan	35.9425N	140.0044E	1	
Mormanno	MMN	Italy	39.8901N	15.9905E		
Mormanno Campotenese	MMN9	Italy	39.8919N	16.0503E	1040	From 2011-12-03 to 2017-03-31
Morne Balai	BAMF	Martinique,France	14.8157N	61.1483W	670	
Morne-Daniel	MDN	Dominica	15.3185N	61.3923W	99	From 1981-03-16
Morne Jacques	MJM	Martinique,France	14.7887N	61.0708W	400	
Morne La Croix	CXM	Martinique,France	14.8113N	61.1685W	1240	
Morne Lapointe	LPMF	Martinique,France	14.5745N	60.9663W	130	
Morne la Rosette, Martinique, France	FDFM	Martinique	14.7349N	61.1597W	320	From 2019-10-24
Morne Lenard	PML	Martinique,France	14.7810N	61.1838W	370	
Morne Mazeau, Deshaies	GDHS	Guadeloupe,France	16.2727N	61.7651W	618	
Morne Pavillon	PAMF	Martinique,France	14.6138N	61.0363W	120	
Morne Pois Martinique	MPOM	Martinique,France	14.4447N	60.8588W	38	From 2012-10-01
Morne Soldat	MSGF	Guadeloupe,France	16.0987N	61.7220W	851	
Morne Tabac	SLTA	St Lucia	13.8704N	61.0399W	550	
Morning Glory Mine	PV19	Colorado,U.S.A.	38.3098N	108.9831W	2041	
Morogoro	MGOR	Tanzania,United Republic of Tanzania	6.8278S	37.6697E	505	
Moron de la Frontera	EXMOR	Spain	37.1226N	5.4503W	245	
Morong	MNP	Luzon,Philippines	14.6798N	120.2780E	12	
Morongo Valley	MRVC	California,U.S.A.	34.1558N	116.5020W	1239	From 1978-03-01
Morovis	MOV	Puerto Rico	18.2987N	66.3666W	485	From 1977-02-15 to 1999-08-25
Morphett Vale	MPTV	South Australia,Australia	35.1301S	138.5374E	100	From 2010-05-27
Morrillo	MLLO	Patagonia	43.2057S	72.8807W	109	From 2010-01-01
Morrinhos-CE	NBMO	Ceara,Brazil	3.3107S	40.0414W	95	From 2011-05-16
Morristown	H60A	Vermont,U.S.A.	44.5606N	72.6986W	459	From 2013-09-21
Morrocoy	MORO	Venezuela	10.8722N	68.3161W	920	From 1984-01-01
Morro de la Arena	MACI	Canary Islands,Spain	28.2502N	16.5082W	1674	
Morro Reatino (RI)	T1211	Italy	42.5329N	12.8551E	978	From 2016-08-24 to 2017-09-21
Morro Solar	PT01	Peru	12.0150S	77.0317W	250	
Morse	542A	Louisiana,U.S.A.	30.1247N	92.5513W	-1	From 2011-02-15 to 2012-12-07
Morshin	MORS	Carpathian Mountains	49.1330N	23.8940E	262	
Morshin	MRSS	Carpathian Mountains	49.1330N	23.8940E	262	
Morshyn	MORU	Carpathian Mountains	49.1240N	23.8760E	260	From 1978-01-01
Morsiglia	MORSI	Corse,France	42.9530N	9.3630E	100	From 2011-05-09
Morton Thiokol	MTUT	Utah,U.S.A.	41.7092N	112.4547W	1373	
Mosca, S15	SCR15	Colorado	37.6450N	105.8002W	2302	
Moschato	MOS1	Greece	37.9531N	23.6819E	24	From 2012-09-15
Moscow	MOS	Moskovskaya Oblast',Russia	55.7383N	37.6250E	121	
Moscow	LBNM	Kentucky	36.6150N	89.1373W	82	From 1989-12-13 to 1990-07-23
Moseley Ranch, Sierra Blanca	324A	Texas,U.S.A.	31.4425N	105.4828W	1441	From 2008-02-23 to 2010-01-14
Mose, Pekin	C30A	North Dakota,U.S.A.	47.7026N	98.4783W	480	From 2009-08-06 to 2011-07-14
Moshi	MOSH	Tanzania,United Republic of Tanzania	3.3053S	37.3292E	992	
Mosicchio (Amatrice)	RM25	Italy	42.6223N	13.2815E	976	From 2009-06-18 to 2009-07-06
Moslavina	MOSL	Croatia	45.6135N	16.7544E	480	
Mosqueruela	EMOS	Spain	40.3639N	0.4721W	1694	
Moss Hill, Ennis	G16A	Montana,U.S.A.	45.2285N	111.8046W	1769	From 2007-09-24 to 2009-06-09
Mostar	MST	Bosnia and Herzegovina	43.3500N	17.8167E	70	
Mosteiros	SET4	Azores,Portugal	37.8747N	25.7988W	402	From 1998-12-01
Mosteiros	PMOS	Azores	37.8904N	25.8211W	28	From 2016-04-14
Mosul	MSL	Iraq	36.4000N	43.1100E	242	From 1981-07-01
Motapaya	MOTP	Gujarat,India	23.8558N	69.7746E	-20	From 2012-01-01
Mo Tay, Goldonna	241A	Louisiana,U.S.A.	32.0227N	92.9188W	59	From 2011-02-10 to 2012-12-01
Motegi	MGJ	Tochigi,Japan	36.5535N	140.2167E	140	
Motopi	MTP1	Botswana	20.2300S	24.0990E	936	From 2001-01-01 to 2100-12-31
Motril	EXMO	Spain	36.7270N	3.5360W	55	
Motta S. Anastasia	EMSA	Sicily,Italy	37.4980N	14.9450E	138	From 2014-02-17
Motta San Giovanni	MTTG	Italy	38.0019N	15.6939E	490	
Motutapu	MTAZ	North Island,New Zealand	36.7865S	174.9056E	-4	From 1995-02-21 to 2012-10-09
Motutapu North Island, New Zealand	MBAZ	North Island,New Zealand	36.7688S	174.8979E	-36	From 2012-10-08
Motz Farm, Whitney	K26A	Nebraska,U.S.A.	42.7016N	103.1783W	1122	From 2008-11-15 to 2010-10-03
Moucha	MCAD	Djibouti	11.7303N	43.2120E	4	From 1994-01-01
Moudon cole, VD	SMOE	Switzerland	46.6715N	6.8003E	527	From 2015-03-02
Mouk	IMOK	Iran	29.0461N	52.7146E	2788	From 2002-10-01
Mould Bay	MBC	Northwest Territories,Canada	76.2417N	119.3600W	15	From 1961-10-18 to 2004-11-10
Mould Bay	NP-NT	Northwest Territories,Canada	76.2522N	119.3717W	59	
Moule a Chique	MCLT	St Lucia	13.7096N	60.9412W	220	
Moulis	MLS	Midi-Pyrenees,France	42.9578N	1.0947E	450	
Moumakai	MKAZ	North Island,New Zealand	37.1041S	175.1612E	77	From 1995-01-10
Mounoet Dainard	MNB	British Columbia,Canada	52.1987N	118.3830W	2271	
Mount Abel	ABL	California,U.S.A.	34.8508N	119.2210W	1981	From 1976-06-01
Mount Adagdak	ADAG	Alaska,U.S.A.	51.9802N	176.6017W	286	
Mount Adams	AMW	North Island,New Zealand	41.3078S	175.7610E	400	From 1991-03-22 to 2000-10-10
Mount Adams--Stagman Ridge	ASR	Washington,U.S.A.	46.1507N	121.5930W	1280	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Mountain	G42A	Wisconsin,U.S.A.	45.2418N	88.4277W	315	From 2011-09-30 to 2013-06-04
Mountain Creek	FALL	British Columbia,Canada	53.2780N	132.4601W	391	
Mountain Grove	MGMO	Missouri,U.S.A.	37.1540N	92.2687W	453	
Mountain Home	MO-	Idaho,U.S.A.	43.0719N	116.2656W	792	From 1966-11-17 to 1967-06-26
Mountain Home	MO-ID	Idaho,U.S.A.	43.0719N	116.2656W	792	From 1966-11-17 to 1967-06-26
Mountain Meager	MGMB	British Columbia	50.6279N	123.4081W	420	From 2016-09-11
Mountain Pass	MTPC	Nevada,U.S.A.	35.4848N	115.5533W	1582	
Mountain Pine	MP-AR	Arkansas,U.S.A.	34.6017N	93.1458W	183	From 1961-11-20 to 1963-06-03
Mountain Pine	MP-	Arkansas,U.S.A.	34.6017N	93.1458W	183	From 1961-11-20 to 1963-06-03
Mountainview	V41A	Arkansas,U.S.A.	35.7851N	92.1554W	413	From 2011-05-12 to 2013-02-17
Mountain View	T41A	Missouri,U.S.A.	37.0436N	91.7636W	366	From 2011-05-08 to 2013-03-18
Mountain View	MVH	Hawaii,U.S.A.	19.5042N	155.0620W	409	
Mount Airy	MANY	New York,U.S.A.	41.2220N	73.8686W	133	
Mount Amassa	ASI	Israel	31.3300N	35.0950E	850	From 1983-08-01 to 1984-10-31
Mount Arapiles	ARPS	Victoria,Australia	36.7699S	141.8383E	213	From 2000-12-01
Mount Atzmon	ATZ	Israel	32.8216N	35.2697E	510	From 1986-01-01
Mount Bagana	BGA	Bougainville,Papua New Guinea	6.1500S	155.1800E	1000	From 1984-01-01
Mount Baker	MBW	Washington,U.S.A.	48.7840N	121.9000W	1676	From 1972-11-08
Mount Baker	MU-WA	Washington,U.S.A.	48.9167N	121.9103W	732	From 1962-09-26 to 1962-10-05
Mount Baldy Ranger Station	BFSC	California,U.S.A.	34.2388N	117.6585W	1312	From 2001-07-10
Mount Belmont	BEMT	Montana,U.S.A.	46.7483N	112.3300W	2228	
Mount Berech	MBH	Israel	29.7925N	34.9153E	842	From 1986-06-18 to 2007-06-18
Mount Bingar	MBA	New South Wales,Australia	34.1250S	146.2370E		From 1961-01-01 to 1962-12-31
Mount Brisbane	WMBQ	Queensland,Australia	27.1155S	152.5500E	160	From 1977-03-18
Mount Bullion	MBUM	California,U.S.A.	37.5597N	120.0756W	1248	
Mount Cameroon	MOKC	Cameroon	4.2583N	9.2500E	2040	
Mount Cameroon	MOC	Cameroon	4.2869N	9.2169E	2475	From 1985-11-23 to 1990-12-31
Mount Carmel	CRI	Israel	32.6820N	35.0450E	450	From 1983-07-01 to 1999-08-25
Mount Cartier	CARB	British Columbia,Canada	50.9000N	118.0530W	2294	
Mount Castle	MCAS	Papua New Guinea	6.3719S	143.4833E	1950	From 1996-08-31
Mount Claude	CLAW	Tasmania,Australia	41.4920S	146.1830E	900	
Mount Constitution	MCW	Washington,U.S.A.	48.6797N	122.8320W	693	From 1972-11-08
Mount Cooper	MCPQ	Queensland,Australia	20.5500S	146.8065E	300	From 1984-02-23
Mount Cotopaxi	CPXM	New South Wales,Australia	34.4765S	150.6248E	622	
Mount Darwin	MTD	Zimbabwe	16.7800S	31.5833E	967	From 1971-06-01
Mount Davis	MDA	California,U.S.A.	33.9130N	116.9990W	845	
Mount Dempster	I30M	Yukon Territories,Canada	65.2225N	136.3767W	1399	From 2017-07-14
Mount Denham	MTDJ	Jamaica	18.2261N	77.5345W	925	From 2007-12-08
Mount Diablo	MDC	California,U.S.A.	37.8817N	121.9140W	1173	From 1967-05-27 to 1974-06-01
Mount Ellis	MEMT	Montana,U.S.A.	45.6040N	110.9697W	1951	From 1987-10-15
Mount Erie	ERW	Washington,U.S.A.	48.4540N	122.6251W	389	
Mount Fremont	FMW	Washington,U.S.A.	46.9317N	121.6720W	1890	From 1972-09-04
Mount Gambier	MGBR	South Australia,Australia	37.7263S	140.5726E	187	
Mount Gibbes	MGNC	North Carolina,U.S.A.	35.7363N	82.2855W	1973	
Mount Gilboa	MGI	Israel	32.4391N	35.4117E	300	
Mount Grey	MGB	British Columbia,Canada	49.0000N	124.6920W	1300	From 1983-12-01
Mount Grey	MGRB	British Columbia,Canada	48.9997N	124.6971W	1310	From 2018-10-24
Mount Hagen	VMHM	Oregon,U.S.A.	44.1377N	122.4070W	902	
Mount Hagen	HAGN	Papua New Guinea	5.8304S	144.2978E	1650	From 2013-03-22
Mount Hamilton	MHC	California,U.S.A.	37.3416N	121.6426W	1250	From 1887-01-01
Mount Hamilton Road	MHR	California,U.S.A.	37.3595N	121.7560W	518	From 1969-03-04
Mount Harif	HRFI	Israel	30.0364N	35.0370E	438	From 2002-05-20
Mount Harkness	LHKM	California,U.S.A.	40.4353N	121.2780W	2060	
Mount Harlan	BMHM	California,U.S.A.	36.6863N	121.4130W	811	From 1975-01-29
Mount Hebo	VHOM	Oregon,U.S.A.	45.2192N	123.7250W	951	
Mount Hebo	HEBO	Oregon,U.S.A.	45.2137N	123.7542W	875	
Mount Hermon	HRI	Israel	33.2660N	35.7340E	1015	From 1983-07-01
Mount Hood Meadows	HOOD	Oregon,U.S.A.	45.3216N	121.6522W	1520	
Mount Hope	RD03	Ontario,Canada	43.1832N	79.9440W	198	
Mount Hope	MHPQ	Queensland,Australia	21.3960S	146.8020E	200	From 1984-04-10
Mount Hope	HOPM	Victoria,Australia	35.9964S	144.2046E	140	
Mount Horn	MHZ	South Island,New Zealand	45.0606S	169.2796E	1127	From 1984-06-06 to 1996-04-29
Mount Humbug	HBMT	Montana,U.S.A.	45.7930N	112.6080W	2481	From 1990-08-08
Mount Hutt	MHCZ	South Island,New Zealand	43.5316S	171.5679E	648	From 2013-05-20
Mount Ida	MZ-AR	Arkansas,U.S.A.	34.5586N	93.6578W	213	From 1962-12-20 to 1963-01-31
Mount Ida	MIAR	Arkansas,U.S.A.	34.5454N	93.5765W	207	From 1992-09-23
Mount Ida	MZ-	Arkansas,U.S.A.	34.5586N	93.6578W	213	From 1962-12-20 to 1963-01-31
Mount Irish	MTI	Nevada,U.S.A.	37.6758N	115.2759W	1536	From 1979-06-08 to 2002-10-10
Mount Isa	ISQ	Queensland,Australia	20.7150S	139.5530E	500	From 1979-08-21 to 1987-06-14
Mount Isa	QIS	Queensland,Australia	20.5577S	139.6052E	450	From 1987-06-15
Mount John	MJZ	South Island,New Zealand	43.9855S	170.4663E	1000	From 1965-05-29 to 1980-06-26
Mount John Pukaki	MJP	South Island,New Zealand	43.9895S	170.4596E	960	From 1975-06-18 to 1983-11-21
Mount Johnson	BJOM	California,U.S.A.	36.6283N	121.3130W		From 1974-01-31
Mount Kelaz	KELA	Alaska,U.S.A.	58.4400N	155.7407W	975	
Mount Kennedy	O29M	Yukon Territory,Canada	60.3024N	138.5755W	1423	From 2016-07-15
Mount Kenneth	MTKN	Western Australia,Australia	31.9333S	115.7736E	61	From 2009-04-01
Mount Kliuchef	KOKL	Alaska,U.S.A.	52.3232N	174.2002W	758	
Mount Konoctai	GMKM	California,U.S.A.	38.9695N	122.7870W	906	From 1975-04-18
Mount Lassen	LAS	California,U.S.A.	40.4752N	121.5080W	2650	From 1973-10-01 to 1974-07-16
Mount Lazard	LZB	British Columbia,Canada	48.6117N	123.8236W	844	
Mount Lewis	CMLM	California,U.S.A.	37.4773N	121.6510W	1076	
Mount Logan	MTLAZ	Arizona,U.S.A.	36.3530N	113.1990W	2418	
Mount Lospe	PMLM	California,U.S.A.	34.8947N	120.6093W	468	
Mount Malkishua	MML	Israel	32.4351N	35.4133E	510	From 1986-05-01 to 2001-07-18
Mount Malkishua	MMLI	Israel	32.4379N	35.4216E	511	
Mount Mary	MMP	South Island,New Zealand	44.1408S	170.2784E	950	From 1975-06-18 to 1983-11-21
Mount Meron	MNRI	Israel	33.0100N	35.3870E	900	
Mount Meron	MMR	Israel	32.9910N	35.4170E	1109	From 1990-01-01
Mount Meron	MRNI	Israel	33.0120N	35.3920E	900	
Mount Meron array	MMC1	Israel	33.0305N	35.4037E	827	From 2004-01-01
Mount Meron array	MMA0	Israel	33.0152N	35.4031E	810	From 2004-01-01
Mount Meron array	MMA1	Israel	33.0181N	35.4062E	776	From 2004-01-01
Mount Meron array	MMA2	Israel	33.0125N	35.4057E	776	From 2004-01-01
Mount Meron array	MMA3	Israel	33.0121N	35.4006E	792	From 2004-01-01
Mount Meron array	MMA4	Israel	33.0146N	35.3975E	851	From 2004-01-01
Mount Meron array	MMB1	Israel	33.0151N	35.4108E	733	From 2004-01-01
Mount Meron array	MMB2	Israel	33.0097N	35.3953E	878	From 2004-01-01
Mount Meron array	MMB3	Israel	33.0195N	35.3971E	812	From 2004-01-01
Mount Meron array	MMB4	Israel	33.0208N	35.4020E	806	From 2004-01-01
Mount Meron array	MMC2	Israel	33.0268N	35.4116E	701	From 2004-01-01
Mount Meron array	MMC3	Israel	33.0183N	35.4138E	713	From 2004-01-01
Mount Meron array	MMC4	Israel	33.0072N	35.4186E	750	From 2004-01-01
Mount Meron array	MMC5	Israel	33.0087N	35.4127E	766	From 2004-01-01
Mount Meron array	MMC6	Israel	33.0120N	35.3915E	893	From 2004-01-01
Mount Meron array	MMC7	Israel	33.0221N	35.3926E	816	From 2004-01-01
Mount Meron array	MMA0B	Israel	33.0153N	35.4031E	809	From 2004-01-01
Mount Meron Array Beam Reference Point	MMAI	Israel	33.0153N	35.4031E	809	From 2004-01-01
Mount Michael	MMCZ	South Island,New Zealand	45.0021S	169.1314E	1163	From 1989-06-29 to 1996-04-27
Mount Mitchell	MTMW	Washington,U.S.A.	46.0255N	122.2120W	1121	
Mount Mocho	CMMM	California,U.S.A.	37.4557N	121.4940W	1117	
Mount Montar	MOI	Israel	31.7350N	35.3491E	140	
Mount Morgan	MORG	Queensland,Australia	23.7626S	150.3901E	170	
Mount Moriah Church	MMCS	South Carolina,U.S.A.	34.7798N	82.9152W	280	
Mount Morrison	MTW	North Island,New Zealand	41.1579S	175.5016E	311	From 1979-06-29
Mount Natib	NBP	Luzon,Philippines	14.7420N	120.4160E	585	
Mount Nelson	NELS	Tasmania,Australia	42.9271S	147.3326E	348	
Mount Ogden	MOUT	Utah,U.S.A.	41.1849N	111.8790W	2743	From 1980-09-01
Mount Olympus	OLYC	California,U.S.A.	33.4313N	117.1180W	482	
Mount Oso	COSM	California,U.S.A.	37.5085N	121.3740W	1020	
Mount Ozzard	OZB	British Columbia,Canada	48.9603N	125.4930W	671	
Mount Pasian	MPP	Mindanao,Philippines	7.8972N	126.0180E	1130	From 1975-09-01 to 1980-01-17
Mount Pierce	KMPM	California,U.S.A.	40.4173N	124.1200W	957	
Mount Pierson	MTPU	Utah,U.S.A.	38.0415N	112.1843W	3112	From 2009-10-24
Mount Pinos, Frazier Park	MPI	California,U.S.A.	34.8126N	119.1453W	2673	From 2000-11-01
Mount Rainier--Camp Muir	RCM	Washington,U.S.A.	46.8358N	121.7318W	3085	
Mount Rainier--Camp Schurman	RCS	Washington,U.S.A.	46.8710N	121.7310W	2877	From 1989-06-27
Mount Rainier--Emerald Ridge	REMR	Washington,U.S.A.	46.8192N	121.8409W	1756	From 1989-07-12
Mount Rainier--Summit	RSU	Washington,U.S.A.	46.8533N	121.7631W	4440	
Mount Rainier--Voight Creek	RVC	Washington,U.S.A.	46.9429N	121.9710W	1000	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Mount Ramon	RMN	Israel	30.4970N	34.6270E	1000	
Mount Ramon	RMNI	Israel	30.5964N	34.7620E	853	
Mount Read	MTRD	Tasmania,Australia	41.8464S	145.5436E	1080	
Mount Saint Catherine	GRW	Grenada	12.1600N	61.6610W	762	From 1978-04-09
Mount Saint Helena	NMHM	California,U.S.A.	38.6695N	122.6340W	1331	From 1977-01-20
Mount Saint Helena	SHC	California,U.S.A.	38.6703N	122.6340W	1200	From 1973-12-07 to 1977-01-20
Mount Saint Helena South	NHSM	California,U.S.A.	38.6565N	122.6144W	1213	
Mount Saint Helens	SHW	Washington,U.S.A.	46.1925N	122.2370W	1423	From 1972-10-25
Mount Saint Helens Crater	VALT	Washington,U.S.A.	46.2142N	122.1893W	1681	From 2006-09-23
Mount San Antonio	MSA	New Mexico,U.S.A.	36.8592N	106.0180W	3322	From 1975-10-09
Mount Santo Tomas	MSP	Luzon,Philippines	16.3333N	120.5667E	2000	From 1975-10-01
Mount Sar Shalom	MSM	Israel	33.0610N	35.2790E	500	From 1983-03-19 to 1983-07-14
Mount Sheppard	MTSH	North Carolina,U.S.A.	35.7556N	79.9528W	361	
Mount Sheridan	YMS	Wyoming,U.S.A.	44.2640N	110.5278W	3106	
Mount Signal	SGL	California,U.S.A.	32.6492N	115.7250W	110	From 1973-04-16
Mount Sodom	SDOM	Israel	31.0800N	35.3900E	-200	
Mount Spurr	SPU	Alaska,U.S.A.	61.1817N	152.0540W	800	From 1971-08-10
Mount Spurr	N20K	Alaska,U.S.A.	61.2001N	152.2089W	991	From 2015-08-14
Mount St. Helen	MSH31	Washington,U.S.A.	46.3085N	119.3380W	117	From 2005-08-14
Mount St. Helen	MSH11	Washington,U.S.A.	46.2078N	119.0377W	97	From 2004-10-28
Mount St. Helen	MSH21	Washington,U.S.A.	46.3079N	122.2660W	1040	From 2004-10-30
Mount Surprise	MTSU	Queensland,Australia	18.1342S	144.3168E	460	From 2002-11-06
Mount Tamalpais	NTPM	California,U.S.A.	37.9200N	122.5630W	274	
Mount Tarawera	TARZ	North Island,New Zealand	38.2356S	176.5059E	1012	From 2007-11-22
Mount Tassie	MTV	Victoria,Australia	38.4017S	146.5660E	740	
Mount Tassie Tower	MTLM	Victoria,Australia	38.4015S	146.5642E	755	
Mount Taylor	MTL	New Mexico,U.S.A.	35.2519N	107.5960W	3335	From 1975-10-15
Mount Thompson	THOB	British Columbia,Canada	52.6900N	119.1220W	2499	From 1972-10-15 to 1999-08-25
Mount Tsukuba	MTJ	Ibaraki,Japan	36.2108N	140.1100E	286	From 1921-01-01
Mount Umunhum	JUMM	California,U.S.A.	37.1608N	121.8980W	1048	
Mount Union College	MUCO	Ohio,U.S.A.	40.9050N	81.1090W	365	
Mount Upton	O28M	Yukon Territory,Canada	60.7718N	140.1906W	2622	From 2016-07-16
Mount Varzin	EVZ	New Britain,Papua New Guinea	4.3960S	152.1550E	597	
Mount Washington	MWAB	British Columbia,Canada	49.7411N	125.3032W	1176	From 2009-07-31
Mount Wilson	MWC	California,U.S.A.	34.2238N	118.0580W	1730	From 1928-04-23
Mount Yahel	MYI	Israel	31.1990N	35.2160E	500	
Mount Yoash	YASH	Israel	29.5850N	34.8810E	718	
Mount Zion Church	ZIN	South Carolina,U.S.A.	33.1072N	80.1628W	30	From 1977-10-23
Moura State High School	AUMOU	Queensland,Australia	24.5800S	149.9800E	153	From 2013-08-11
Moutere Station	MSCZ	South Island,New Zealand	45.0914S	169.4118E	701	From 1986-12-09 to 1996-05-01
Mouthoumet	MTHF	Languedoc-Rousillon,France	42.9386N	2.5339E	620	From 1989-01-01
Moxa	MOX	Thuringen,Germany	50.6447N	11.6156E	455	
Moxie City	MXC	Washington,U.S.A.	46.5772N	120.2930W	540	
Moye	OGMY	Auvergne	45.8810N	5.8893E	656	From 2015-12-16
Moye	OG06	Rhone-Alpes,France	45.8810N	5.8902E	650	From 1992-04-14
Moyogalpa	MOYN	Nicaragua	11.5357N	85.6958W	50	
Moyori	MYR	Tokachi,Japan	42.2918N	143.2837E	80	From 1971-11-03
Moyuta	MYT	Guatemala	14.0472N	90.0642W	1325	From 1983-10-01
Moyuta, Jutiapa	MOYG	Guatemala	14.0495N	90.0783W	1320	
Mozjanca	MOZS	Slovenia	46.2941N	14.4433E	660	From 2005-07-07
Mpanda	PNDA	Tanzania,United Republic of Tanzania	6.3520S	31.0613E	1065	
MQLS	MQLS	Saudi Arabia	26.6310N	47.4501E	371	
MQOL	MQOL	Sudan	20.6638N	37.0507E	90	
Mrakovica	A051A	Bosnia and Herzegovina	45.0125N	16.9069E	862	
Mrakovica	MRAK	Bosnia and Herzegovina	45.0130N	16.9000E	850	
Mrkonjic Grad	MGRS	Bosnia and Herzegovina	44.4170N	17.0840E	560	From 2012-08-01
Mrontuo Lake Bosomtwe	MRON	Ghana	6.4647N	1.4371W	361	
Mt Annan Botanic Gardens	MABG	New South Wales	34.0721S	150.7601E	131	From 2016-05-01
Mtatsminda	MTA	Georgia,Georgia	41.6939N	44.7925E	515	From 2004-01-01
Mt Baker	MU-	Washington,U.S.A.	48.9167N	121.9103W	732	From 1962-09-26 to 1962-10-05
Mt Berech	MBRI	Israel	29.7942N	34.9140E	850	From 2007-06-19
Mt Clear College-Earth Ed	AUMTC	Victoria,Australia	37.6100S	143.8800E	48	From 2013-05-15
Mt. Diablo Meridian	O02D	California,U.S.A.	40.1766N	122.7884W	965	From 2010-08-01
Mte Cammarata	MCT	Sicily,Italy	37.6311N	13.6336E	1565	
Mte del Estrado	MEP	Puerto Rico	18.1458N	66.9811W	880	From 1990-07-01 to 1999-08-25
M.te Sabotino	SABO	Italy	45.9800N	13.6000E	600	
Mte Sant'Angelo	FG3	Italy	41.7074N	15.9494E	858	
Mte Valcellina	RE1	Italy	46.1600N	12.6533E	548	From 1977-08-03 to 1995-11-10
Mte Valcellina	RCL	Italy	46.1600N	12.6533E	548	From 1977-08-03 to 1995-11-10
Mt Hamilton Road	NHMM	California,U.S.A.	38.1547N	121.8003W		From 1969-03-04
Mt Hamilton Road	CB10	California,U.S.A.	37.3595N	121.7560W	518	From 1969-03-04
Mt Hamilton Road	CMHM	California,U.S.A.	37.3595N	121.7560W	518	From 1969-03-04
MTL	CMTL	Costa Rica	10.5490N	83.6817W	52	
Mt Lofy	BOX6	South Australia	34.9782S	138.7087E	684	From 2019-01-01
Mt Longido	LGDO	Tanzania,United Republic of Tanzania	2.7250S	36.6983E	1375	
Mt. Morris Dam	MMNY	New York,U.S.A.	42.7319N	77.9066W	241	From 2008-05-01
Mt Oso, Westley, California	MTOS	California	37.5050N	121.3280W	309	From 2017-06-01
Mt. Peulik Volcano	R17L	Alaska	57.6313N	156.3599W	524	From 2018-06-23
Mt. Pleasant	Z38A	Texas,U.S.A.	33.2599N	94.9851W	116	From 2010-04-24 to 2012-01-23
Mt Rat	MRAT	South Australia,Australia	34.6300S	137.6254E	120	From 2007-02-01
Mtskhetisjvari	ALIG	Georgia	42.1047N	43.6490E	811	From 2016-08-24
Mts of Mourne	GMM	Northern Ireland,United Kingdom	54.2390N	5.9510W	140	From 1989-01-01
Mt. Soledad, San Diego	SOLD	California	32.8410N	117.2480W	205	From 1982-01-01
Mt St Catherine	MCG	Grenada	12.1600N	61.6610W	762	From 1977-07-01 to 1978-07-01
Mt Stromlo	AUMTS	Australian Capital Territory,Australia	35.3200S	149.0000E	667	From 2011-05-04
Mt Trumbull	U14A	Arizona,U.S.A.	36.4182N	113.1805W	1916	From 2007-02-18 to 2008-11-13
Mt Valcellina	MRVI	Italy	46.1600N	12.6533E		From 1977-08-03 to 1999-08-25
Mula-Dalaman-Sabunlu	SABU	Turkey	36.8233N	28.9686E	476	From 2017-12-15
Mula-Dat§a-Yazk¶y	YAZI	Turkey	36.6813N	27.4531E	207	From 2017-12-16
Mula-Seydikemer-zzettin	IZZE	Turkey	36.4368N	29.2256E	305	From 2017-02-10
Mula-Seydikemer-Knk	KNIK	Turkey	36.8454N	29.5730E	1188	From 2017-12-15
Muan gun	KSMAN	Republic of Korea	35.0939N	126.2850E	57	From 2000-01-20
Muanza, A1025	M1025	Mozambique	18.8187S	34.7380E	151	
Muara Teweh, Kalimantan	MTKI	Kalimantan,Indonesia	0.9418S	114.8959E	114	From 2008-12-01
Muccia, Frazione Massaprofoglio (MC)	T1219	Italy	43.0558N	13.0073E	716	From 2016-10-27 to 2018-07-04
Mucha	TWA	Taiwan region	24.9803N	121.5837E	260	From 1972-08-29
Mudanjiang	MDJ	Jilin,China	44.6164N	129.5920E	250	
Mudanya-Bursa	MDNY	Turkey	40.3690N	28.8840E	110	From 2008-07-09
Mudaysisat	MDSJ	Jordan	31.6320N	36.2520E	970	From 1985-12-20
Mudindi	MUDIN	Tanzania	9.8621S	34.9373E	1397	From 2014-07-11 to 2015-11-04
Mud Lake	MUDI	Idaho,U.S.A.	43.6189N	111.0770W	2124	From 1986-01-01 to 2005-03-26
Muduarah	MDRJ	Jordan	29.4420N	35.8200E	900	From 1990-04-26
Muduarah	MUDJ	Jordan	29.4220N	35.8200E	900	
Mudurnu	MUT	Turkey	40.4647N	31.2119E	960	From 1979-01-01 to 1999-08-25
Mudurnu	MDU	Turkey	40.4653N	31.2145E	740	From 1995-12-21 to 2008-05-22
Mudurnu	MDUB	Turkey	40.4711N	31.1976E	1108	From 2008-05-22
Mud Volcano	MVW	Wyoming,U.S.A.	44.6225N	110.4420W	2415	From 1972-10-01
Muff Farm, Clarinda	N36A	Iowa,U.S.A.	40.8156N	94.9604W	349	From 2010-11-19 to 2012-08-31
Muggio	MUGIO	Switzerland	45.9219N	9.0417E	830	From 2002-01-24
Mugla, Merkez-Ikizce	MULA	Turkey	37.2561N	28.3208E	973	From 2014-12-04
Muharraq	BMU	Bahrain	26.2350N	50.6600E		
Muhayil	MOHS	Saudi Arabia	18.5761N	42.0190E	520	
Muhor-Tarhata, Altay Republic, Russia	SLNR	Altayskiy Kray,Russia	49.7770N	88.4670E	2057	From 2003-10-18
Muhukuru	KURU	Tanzania	11.1996S	35.4577E	751	From 2014-07-19 to 2015-11-04
Muirshiel	PMSU	Scotland,United Kingdom	55.8459N	4.7452W	351	From 1990-01-01 to 1991-01-01
Mukachevo	MUKU	Carpathian Mountains	48.4536N	22.6874E	125	From 1996-08-14
Mukalla, MUK	AMUK	Yemen	14.4872N	49.0378E	38	
Mukerian	MUK	Punjab,India	31.9500N	75.6167E	259	
Mukinbudin Central	MBNC	Western Australia	30.7280S	118.2530E	348	
Mukinbudin South	MBNS	Western Australia	30.7400S	118.2560E	350	
Mukjeong-gil	SMKB	Republic of Korea	35.6891N	126.5561E	52	From 2011-12-07
Mula	EXMU	Spain	38.0390N	1.4940W	340	
Muldenberg	MULD	Sachsen,Germany	50.4117N	12.4040E	678	From 2007-12-20
Muldenstein	MUHB	Germany	51.6580N	12.3424E	115	
Muldoon	MLDN	Texas,U.S.A.	29.7828N	97.0686W	106	From 2017-08-03
Muleba	MLBA	Tanzania,United Republic of Tanzania	1.8377S	31.6697E	1335	
Muleshoe	MSTX	Texas,U.S.A.	33.9696N	102.7724W	1167	From 2008-04-23
Mulgathing	MULG	South Australia,Australia	30.2818S	134.0585E	216	From 2013-07-17
Mulgeum	MLGA	Republic of Korea	35.3113N	128.9969E	28	From 2018-03-09

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Mulgrave and Derry, QC.	MGDQ	Quebec,Canada	45.7189N	75.4854W	141	From 2011-11-22
Mulino	G04A	Oregon,U.S.A.	45.2059N	122.4784W	272	From 2005-11-09 to 2008-11-12
Mullan	MUL	Idaho,U.S.A.	47.4617N	115.7820W	1300	From 1968-01-01
Mullinville	S31A	Kansas,U.S.A.	37.6193N	99.4845W	700	From 2009-04-14 to 2011-03-10
Mull of Kintyre	GMK	Scotland,United Kingdom	55.3459N	5.5936W	160	From 1989-01-01
Mullumbimby High School	AUMUL	New South Wales,Australia	28.5600S	153.0400E	60	From 2013-06-24
Multi FST (Faido)	MFSFB	Switzerland	46.5055N	8.8045E	441	From 2005-12-15
Multi FST (Faido)	MFSFA	Switzerland	46.5004N	8.8080E	427	From 2005-12-15
Mulungwishi	MLN	Democratic Republic of the Congo	10.7833S	26.6250E	1200	From 1970-11-30 to 1976-12-31
Mummy Mountain	MMA	Arizona,U.S.A.	33.5544N	111.9580W	426	From 1971-05-17 to 1973-01-18
Munchique	MUNC	Colombia	2.4693N	76.9569W	3007	From 1994-01-01
Muncho Lake	MUB	British Columbia,Canada	58.9550N	125.7570W	1100	
Mundaring	MUN	Western Australia,Australia	31.9783S	116.2080E	253	From 1959-07-31 to 2008-04-21
Mungyeong	KSMGY	Republic of Korea	36.6552N	128.0608E	209	From 2006-12-30
Mungyeong	KSMUG	Republic of Korea	36.6213N	128.1506E	170	From 2000-02-23 to 2006-12-30
Munich	MNH	Bayern,Germany	48.1500N	11.6000E	528	From 1905-01-01 to 1943-12-31
Municipio Quitumbe	QUTE	Ecuador	0.2963S	78.5480W	2917	From 2017-04-26
Munigi	MUNI	Democratic Republic of the Congo	1.6258S	29.2553E	1722	From 2016-10-01 to 2018-02-27
Munster	MWG	Nordrhein-Westfalen,Germany	51.9627N	7.6241E	58	
Muntele Rosu	MLR	Romania	45.4909N	25.9450E	1360	
Munyeodo	MNYD	Republic of Korea	35.8043N	126.4242E	55	From 2015-10-01
Muong La station	MLAV	Vietnam	22.0392N	103.1550E	205	From 2010-01-01
Muotathal	MUO	Switzerland	46.9676N	8.6371E	1920	From 1981-11-24
Murafatepe	MRFT	Turkey	40.5036N	33.4547E	1500	From 1992-01-01 to 1992-07-31
Murandin	DMUR	Italy	45.9490N	10.6028E	720	From 2017-10-30
Muratl, TEKRDA	MURA	Turkey	41.1509N	27.4858E	107	From 2019-12-06
Muraz-Klaeranlage	SMUK	Switzerland	46.2863N	6.9406E	388	From 2006-04-03
Muraz-Reservoire	SMUR	Switzerland	46.2772N	6.9205E	480	From 2006-04-03
Murchison	MCASZ	South Island	41.7999S	172.3280E	150	
Murefte	MFT	Turkey	40.7867N	27.2812E	924	From 1978-10-01
Murfatlar	MFTR	Romania	44.1779N	28.4224E	98	From 2012-11-12
Murgab	MUR	Tajikistan	38.3667N	73.9333E	3860	
Murgab	MUP	Tajikistan	38.1200N	73.9500E	3800	From 1947-01-01 to 1993-01-01
Muriti-CE	NBMA	Ceara,Brazil	7.3654S	38.7641W	437	
Muro Lucano	MRLC	Italy	40.7564N	15.4889E	605	
Muro Lucano (Serra Campolungo)	SCL3	Italy	40.6951N	15.5114E	744	
Muro Lucano (Varco Staccarino)	VDS3	Italy	40.7408N	15.4270E	1154	
Muroran	MRR	Iburi,Japan	42.3100N	140.9817E	43	From 1923-06-01
Muroran 2	MRRJ	Iburi,Japan	42.4250N	141.0720E	-15	
Murotomisaki	MRT	Kochi,Japan	33.2483N	134.1800E	186	
Muroto Misaki	MRMJ	Kochi,Japan	33.2444N	134.1805E	10	From 1995-05-31
Murotomisaki 2	MRT2	Kochi,Japan	33.3863N	134.1432E	200	From 1994-01-27
Murphy	W52A	North Carolina,U.S.A.	35.0935N	83.9277W	519	From 2012-04-15
Murphy	MYNC	North Carolina,U.S.A.	35.0739N	84.1279W	550	
Murphy Dome	MDM	Alaska,U.S.A.	64.9588N	148.2300W	634	From 1990-02-16
Murphy's Point	MPPO	Ontario,Canada	44.7700N	76.2648W	143	
Murray Bridge High School	AUMBR	South Australia	35.1340S	139.2859E	50	From 2016-06-20
Murrieta	MURC	California,U.S.A.	33.6000N	117.1954W	562	From 2005-07-25
Murupara	MUGZ	North Island,New Zealand	38.4771S	176.7705E	337	From 2011-03-29
Murzuk	LUMB	Libya	26.1382N	14.7520E	474	
Musan	KSMUS	Republic of Korea	37.8881N	126.7594E	40	From 2002-10-19
Musanze	MUSZ	Rwanda	1.4570S	29.5828E	2182	From 2019-06-07
Mushaki	MUSK	Democratic Republic of the Congo	1.5364S	28.9945E	2075	From 2017-06-23
Mushullacta	MUSH	Ecuador	1.7147S	77.8392W	1010	From 1995-10-06
Musihges	OG34	Rhone-Alpes,France	46.0113N	5.9600E	445	From 2002-08-06
Musina, Limpopo	MUSN	South Africa	22.2878S	29.8600E	592	From 2016-06-10
Muskil	MSKL	Orissa	20.2140N	83.8870E	549	From 2017-09-09
Muskinabad	MUS	Tajikistan	38.6833N	69.6000E		
Mu-Merkez	MUSM	Turkey	38.7240N	41.5118E	1357	From 2013-03-21
Musomishta	MMB	Bulgaria	41.5470N	23.7495E	632	From 1983-08-01
Musselwhite Mine	MUMO	Ontario,Canada	52.6128N	90.3914W	316	
Musuan	BUKP	Mindanao,Philippines	7.8790N	125.0620E	471	
Mutare	MUZ	Zimbabwe	18.9950S	32.6267E	0	
Mutkov	MUVC	Czech Republic	49.8002N	17.2782E	636	From 2013-07-01
Mutkov	MUTC	Czech Republic	49.7990N	17.2837E	614	
Mutnovka	MTVR	Kamchatskaya Oblast',Russia	52.4830N	158.1830E	1394	From 2008-12-23
Mutnovskaya	MTNS	Kamchatskaya Oblast',Russia	52.5200N	158.1900E	837	From 1983-09-01 to 1983-09-30
MUTRE	MUTR	Ecuador	0.7609S	80.2672W	26	From 2016-05-10
Mutribah	MIB	Kuwait	29.8032N	47.3388E	125	
Muttenz-Waldhaus	SMZW	Switzerland	47.5476N	7.6473E	272	From 1996-12-13
Mutton Hole Station, Normanton	NTNOZ	Queensland	17.6278S	141.1853E	3	From 2018-11-30
Muzaffarabad	MUZF	Jammu and Kashmir,India	34.3600N	73.4900E	1165	From 2006-06-15
Muzera	MZR	Abu Dhabi,United Arab Emirates	23.0024N	53.4794E	300	
Muzquiz	MCIG	Coahuila	27.8771N	101.4836W	483	From 2015-02-08
Muzzana del Turgnano (UD)	A300A	Italia	45.8193N	13.1280E	6	From 2015-10-28
MW Ranch, Wilsonville	O30A	Nebraska,U.S.A.	40.1791N	100.0571W	751	From 2009-05-29 to 2011-04-04
Myakit	MYAS	Magadanskaya Oblast',Russia	61.4070N	152.0930E	670	
Myeonon	PYCA	Republic of Korea	37.5620N	128.3778E	557	From 2015-09-30
Myers Farm, Uniontown	E10A	Washington,U.S.A.	46.4850N	117.1102W	903	From 2006-09-28 to 2008-06-20
Myklebust	N2B2	Norway	61.7210N	5.1780E	25	
Mylavaram	MYLAV	India	16.7490N	80.6340E	63	
Mylor	MYLR	South Australia,Australia	35.0448S	138.7537E	385	From 2012-04-16
Myndd Eilian	WME	Wales,United Kingdom	53.3966N	4.3034W	130	From 1985-01-01
Myokensan	MYO	Osaka,Japan	34.9254N	135.4705E	640	
Myponga	MYP	South Australia,Australia	35.4436S	138.4162E	150	From 2006-04-01
Myra Falls	MYRA	British Columbia	49.5510N	125.5705W	632	From 2018-10-26
Myrtle Point	J01D	Oregon,U.S.A.	43.1614N	123.9314W	131	From 2010-08-06 to 2012-10-03
Myrtle Point	J01E	Oregon,U.S.A.	43.1615N	123.9314W	128	From 2012-10-10
Myrviken	MYV	Sweden	62.9417N	14.3467E	345	From 1981-12-15
Myrvik Farm, Edmore	B30A	North Dakota,U.S.A.	48.4505N	98.3286W	480	From 2009-08-18 to 2011-07-18
Mys Kozlova	MKZ	Kamchatskaya Oblast',Russia	54.5561N	161.7300E		
Mys Kronotskii	KRCS	Kamchatskaya Oblast',Russia	54.7550N	162.1300E	89	
Mys Shipunski	SPN	Kamchatskaya Oblast',Russia	53.0980N	160.0230E	170	
Mys Shultsa	MSHR	Primorskiy Kray,Russia	42.5800N	131.1570E	84	From 2008-10-01
Mytilini	MYT1	Greece	38.0850N	26.5694E	45	From 2014-10-15
Mzuzu	MZM	Malawi	11.4252S	34.0057E	1273	
Mzuzu	MZM2	Malawi	11.4252S	34.0057E	1265	From 2010-08-23
N 15th Street San Jose	C037	California,U.S.A.	37.3552N	121.8849W	22	From 2010-04-29 to 2010-08-18
N 16th Street San Jose	C046	California,U.S.A.	37.3536N	121.8825W	7	From 2010-08-18
N23	N23	Nevada,U.S.A.	37.3013N	116.6160W	1838	
N3440 Road, Meeker	OK020	Oklahoma,U.S.A.	35.5375N	96.8768W	267	
N3530 Road, Sparks	OK021	Oklahoma,U.S.A.	35.6023N	96.7184W	259	
N3560 Road, Prague	OK022	Oklahoma,U.S.A.	35.5368N	96.6649W	272	
Naaghedeneel	I20K	Alaska,U.S.A.	64.7962N	154.4783W	75	From 2017-06-10
Naalehu	NAA	Hawaii,U.S.A.	19.0633N	155.5870W	205	From 1958-01-01 to 1969-01-01
NAB1	NAB1	Eritrea	13.3873N	41.6553E	1340	
NAB2	NAB2	Eritrea	13.4285N	41.7148E	1177	
NAB3	NAB3	Eritrea	13.3758N	41.7548E	1279	
NAB4	NAB4	Eritrea	13.4787N	41.6787E	693	
NAB5	NAB5	Eritrea	13.3150N	41.7082E	1272	
NAB8	NAB8	Eritrea	13.3348N	41.7982E	655	
Nabesna, AK	M26K	Alaska	62.4013N	142.9963W	888	From 2015-07-12
Nabeyama	NABD	Kagoshima,Japan	31.4875N	130.7753E	340	
Nabire	NABI	Irian Jaya,Indonesia	3.3269S	135.2403E	0	
Naboro	NAF	Fiji	18.1203S	178.3008E	183	From 1979-10-01 to 1983-04-30
Naches	NAC	Washington,U.S.A.	46.7344N	120.8260W	738	
Nachiki	NCHK	Kamchatskaya Oblast',Russia	53.1202N	157.7602E	465	From 2013-12-05
Nacogdoches	NATX	Texas,U.S.A.	31.7598N	94.6610W	168	From 2004-05-13
Nacozari, Sonora	NZIG	Sonora	30.3730N	109.5542W	1549	
N Adams	L48A	Michigan,U.S.A.	41.9438N	84.4329W	369	From 2012-07-21
Naden	NDB	British Columbia,Canada	53.9550N	132.9420W	686	
Nadi	NDF	Fiji	17.7569S	177.4500E	30	From 1971-08-05
Nadzab	NADZ	Papua New Guinea	6.5778S	146.7130E	65	
Naecho	NACA	Republic of Korea	35.9505N	126.5910E	20	From 2018-03-09
Naechon	NCNA	Republic of Korea	37.8197N	128.0919E	253	From 2018-03-09
Naegeli Ranch, Trout Creek	C12B	Montana,U.S.A.	47.7092N	115.4750W	801	From 2007-08-27 to 2009-08-02
Naemyeon	NAMB	Republic of Korea	37.7711N	128.3863E	556	From 2018-03-09
NAFE	NAFE	France	47.2190N	1.5540W	10	
NAFPAKTOS	NFP	Greece	38.4170N	21.8590E	280	From 2006-01-06

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Naft Sefid	AMIS	Iran	31.6653N	49.2866E	442	
Nagahama	JNA	Ehime,Japan	33.5572N	132.4787E	230	
Nagai Island	NAGA	Alaska,U.S.A.	54.9783N	160.1383W	305	From 1996-07-01
Nagai Island	NGI	Alaska,U.S.A.	55.0393N	160.0692W	240	
Nagano	NGN	Nagano,Japan	36.6600N	138.1950E	419	
Nagara	JCN	Chiba,Japan	35.4183N	140.2017E	40	
Nagarjunasagar	NJS	Andhra Pradesh,India	16.5541N	79.3060E	189	From 2008-09-01
Nagasaki	NGS	Nagasaki,Japan	32.7317N	129.8700E	24	
Nagasakinomozaki	NGSJ	Nagasaki,Japan	32.6327N	129.7987E	20	From 1992-04-25
Nagatsuro	NGT	Shizuoka,Japan	34.6000N	138.8470E	55	
Na-gawa	NGJ	Nagano,Japan	36.1330N	137.7208E	858	
Nage Dongri, Xizang Zizhiqu	RC14	Xizang Zizhiqu,China	29.4972N	86.4373E	4756	From 2002-07-14 to 2002-10-28
Nageezi	U21A	New Mexico,U.S.A.	36.4277N	107.6578W	2124	From 2008-05-23 to 2010-02-07
Naghade .Az. Gharbi	NGD1	Iran	36.9456N	45.4128E	1320	From 2017-05-16
Nago	NGO	Ryukyu Islands,Japan	26.5950N	127.9730E	7	From 1974-07-01
Nago	NAGO	Ryukyu Islands,Japan	26.0000N	128.1000E		
Nago	NGO1	Ryukyu Islands,Japan	26.5900N	127.9683E	6	From 1987-07-01
Nagor	NGOR	Gujarat,India	23.3100N	69.7300E	170	From 2012-01-01
Nagornyi	NGRS	Sakha,Russia	55.9200N	124.9700E	920	
Nagotoyohara	JNTH	Ryukyu Islands,Japan	26.5185N	128.0222E	46	From 2010-02-01
Nagoya	NAG	Aichi,Japan	35.1650N	136.9680E	56	
Nagpur	NGP	Maharashtra,India	21.1500N	79.0500E	311	
NAGRA Drilling, Truellikon, ZH	NDTR1	Switzerland	47.6326N	8.7109E	471	From 2019-02-14
Nagua	NAG1	Dominican Republic	19.3536N	69.8651W	14	From 2013-09-12
Nagua	NADR	Dominican Republic	19.3541N	69.8561W	4	From 2010-01-30
Nagutskaya	NAGR	Stavropol'skiy Kray,Russia	44.4472N	42.7614E	580	
Nagyer	NGRH	Hungary	46.3704N	20.7332E	101	From 2013-02-12 to 2013-02-25
Naha	NAH	Ryukyu Islands,Japan	26.2167N	127.6833E	11	
Naha	NAH1	Ryukyu Islands,Japan	26.2033N	127.6900E	21	From 1987-02-01
Nahal Hemdat	HMDT	Israel	32.2530N	35.5260E	151	From 1991-05-01
Nahampoana Res	FOMA	Madagascar	24.9756S	46.9788E	26	From 2008-09-01
Nahan	NHN	Himachal Pradesh,India	30.5269N	77.2712E	610	From 2007-05-01
NAHD	NAHD	Egypt	23.8022N	32.7781E	244	
Nahmakanta, Browneville	F63A	Maine,U.S.A.	45.7030N	69.1029W	386	From 2013-09-24
Nahshon	NAHO	Israel	31.8330N	34.9470E	0	From 1996-03-01 to 1997-02-28
Naiba	NAYS	Sakha,Russia	70.8500N	130.7300E	5	From 1985-01-01 to 2000-11-01
Nailongxiang, Xizang Zizhiqu	NAIL	Xizang Zizhiqu,China	28.6597N	86.4127E	4378	From 2002-06-26 to 2002-11-03
Nain	NINL	Newfoundland	56.5374N	61.6882W	38	From 2019-10-08
Nain	NANL	Newfoundland,Canada	56.5371N	61.6884W	34	From 2011-07-24
Na'in	NASN	Iran	32.7990N	52.8080E	2800	From 1998-03-28
Nairobi	NBI	Kenya	1.2700S	36.8000E	1713	
Nairobi	NAKO	Kenya	1.2739S	36.8037E	1692	
Nairobi	NAI	Kenya	1.2739S	36.8037E	1692	From 1963-06-14
NAIROBI INFRASONIC ARRAY REFERENCE POINT	I32KE	Kenya	1.2422S	36.8272E	1662	From 2003-06-17
NAJAFGARH	NJFR	Delhi	28.5620N	76.9150E	218	From 2017-12-22
Najafi	NJFI	Iran	36.2820N	59.5028E	1187	From 2003-03-05
Najran	NAJS	Saudi Arabia	17.5034N	44.2847E	1310	
Najran	NJRNS	Saudi Arabia	17.6521N	44.1923E	1593	
Naju	KSNAJ	Republic of Korea	35.0261N	127.9264E	68	From 2006-12-30
Nakagawa	TNKJ	Hokkaido,Japan	44.7757N	142.0832E	60	
Nakaizu	JIZ	Yamanashi,Japan	34.9129N	138.9968E	263	
Na'kalak'ari	NKK	Georgia,Georgia	41.9300N	45.0200E	1000	
Nakama	JJN	Niigata,Japan	37.1030N	138.1630E	140	
Nakano	NNJ	Nagano,Japan	36.7486N	138.3850E	420	From 1968-07-01 to 1973-03-31
Nakanohara	NKR	Hiroshima,Japan	34.9419N	132.8240E	391	From 1970-12-18
Nakanosawa	NSW	Nagano,Japan	36.4006N	138.5697E	1381	
Nakanoshima	JNN	Ryukyu Islands,Japan	29.8412N	129.8747E	240	
Nakash	JNK	Nemuro,Japan	43.5853N	144.7190E	220	
Nakatsue	JNU	Oita,Japan	33.1217N	130.8783E	540	
Nakayama Pass	NKS	Shiribeshi,Japan	42.8295N	141.0160E	420	From 1977-11-10 to 1978-08-20
Nakchu	DONG	Xizang Zizhiqu,China	31.9789N	90.9127E	4610	From 1998-07-30 to 1999-05-27
Nake	NKE	Ryukyu Islands,Japan	28.3833N	129.5000E		
Nake (Tuamotu)	NAE	Tuamotu,French Polynesia	18.4236S	140.6690W	2	From 1976-01-01
Nakhchivan	NAX	Azerbaijan	39.1740N	45.4950E	927	From 2003-08-01
Nakhl	HNKL	Egypt	29.9293N	33.9804E	455	
Nakhla	NKM	Morocco	35.4481N	5.4100W	158	From 1973-10-01
Nakhon Sawan	NST	Thailand	15.6727N	100.1330E	34	From 1982-09-01
Nakina Ontario	NANO	Ontario,Canada	50.3543N	86.9684W	309	From 2005-08-04
Nakina River	Q32M	British Columbia,Canada	58.9601N	132.2691W	1951	From 2016-07-24
Nakonayok	NAYO	Thailand	14.3152N	101.3209E	106	
Nakonsritamarat	SRIT	Thailand	8.5955N	99.6020E	58	
Nakornpanom	PANO	Thailand	17.1476N	104.6122E	135	
Nalchik	NCK	Russia	43.4955N	43.5956E	500	From 2006-07-24
Nalgonda	NLG	Andhra Pradesh,India	17.0669N	79.2672E	220	From 1974-04-01
Nalia	NALI	Gujarat,India	23.1529N	68.5002E	21	From 2012-01-01
Naliya	NALA	Gujarat	23.2580N	68.8340E	27	
Nallihan	NAL	Turkey	40.2094N	31.3092E	1390	From 1991-01-01 to 1998-09-30
Nalychevo	NALY	Kamchatskaya Oblast',Russia	53.4600N	158.8400E	520	From 1968-06-02 to 1970-01-01
Nalytchevo	NLC	Kamchatskaya Oblast',Russia	53.1711N	159.3450E	20	
Namangan	NAM	Uzbekistan	40.9911N	71.6587E	432	From 1951-01-01
Namanyere	MIKU	Tanzania,United Republic of Tanzania	7.5095S	31.0413E	1545	
Namatanai	NAMA	Papua New Guinea	3.6653S	152.4416E	5	From 1997-10-24
Namche Bazar	NAMC	Nepal	27.8027N	86.7147E	3523	From 2001-10-21 to 2002-10-18
Namhae	KSNAH	Republic of Korea	34.8166N	127.9264E	40	From 2002-10-31
Namlea	NLAI	Ambon,Indonesia	3.2390S	127.0998E	0	From 2007-12-01
Namosi	NMS	Fiji	18.0842S	178.1650E	534	From 1979-10-01
Nampula	NPA	Mozambique	15.0875S	39.2533E	374	From 1974-02-10
Namsos	NSS	Norway	64.5300N	11.9670E	102	From 1987-02-01
Namu Road	NMEZ	North Island,New Zealand	39.4132S	173.8775E	64	From 2009-04-02
Namwon	NAWB	Republic of Korea	35.4213N	127.3964E	76	From 2012-12-01
Namwon	KSNAW	Republic of Korea	35.4014N	127.3344E	89	From 2000-02-07
Nan	NANT	Thailand	18.8000N	100.7000E	264	From 1995-06-01
Nana	NNA	Peru	11.9873S	76.8422W	575	
Nanahuazin	NANS	El Salvador	13.7150N	89.5092W	1160	
Nanaimo	NAB	British Columbia,Canada	49.2225N	124.0040W	256	From 1982-03-23 to 2004-04-03
Nanaimo Lost Lake,BC	NLLB	British Columbia,Canada	49.2274N	123.9881W	192	From 2003-12-30
Nanao	NANB	Taiwan region	24.4275N	121.7498E	112	From 2003-12-12
Nanao	ENAH	Taiwan region	24.4494N	121.8102E	4	From 2011-01-05
Nanau	ENA	Taiwan region	24.4280N	121.7410E	113	
Nancay - 18159 - Cher - Centre-Val de Loire	SRNF	Centre	47.3814N	2.2042E	122	From 2019-10-21
Nancite Dulce, F6	TUF6	Nicaragua	11.3652N	85.8209W	74	
Nancito, Chiriqui	NANC3	Panama	8.2400N	81.7320W	260	From 2010-01-01
Nancy	T50A	Kentucky,U.S.A.	37.0204N	84.8384W	302	From 2012-05-23
Nandayure	NYURE	Costa Rica,Costa Rica	9.9960N	85.2530W	88	
Nango	JANG	Aomori,Japan	40.3735N	141.5152E	270	
Nanjido	NJDA	Republic of Korea	37.0503N	126.4100E	55	From 2018-03-09
Nanjing	NJ2	Jiangsu,China	32.0517N	118.8540E	45	
Nanjing	NAN	Jiangsu,China	32.0633N	118.7830E	10	
Nanjing	NJI	Jiangsu,China	32.0633N	118.7830E	10	
Nanjuang	NSTT	Taiwan region	24.6310N	121.0010E	164	
Nankipoo	NKT	Tennessee,U.S.A.	35.8500N	89.5540W	153	From 1974-06-26 to 1992-02-29
Nanoose	GHNB	British Columbia,Canada	49.3065N	124.2364W	5	From 2004-11-22
Nanping	NPDK	Taiwan region	26.6150N	118.1880E	180	From 2012-09-13
Nan Shan	NNS	Taiwan region	24.4400N	121.3730E	1140	
Nanshi	CHN1	Taiwan region	23.1850N	120.5280E	360	
Nantou City	WNT1	Taiwan region	23.9068N	120.6798E	115	From 2014-12-11
Nantucket	M66A	Massachusetts,U.S.A.	41.2590N	70.1353W	9	From 2013-09-28
Nantucket	NMA	Massachusetts,U.S.A.	41.2947N	70.0261W	3	
Nanushuk River	D23K	Alaska,U.S.A.	68.9656N	150.6807W	406	From 2016-06-19
Nanutarra	NAU	Western Australia,Australia	22.5442S	115.5000E	80	From 1980-04-19 to 1987-10-21
Nanutarra	NANU	Western Australia,Australia	22.5619S	115.5290E	80	From 1987-10-22 to 1995-02-28
Nanvaranak Lake	J14K	Alaska,U.S.A.	62.7492N	163.5540W	25	From 2017-05-30
Nanwan	SNW	Taiwan region	21.9598N	120.7496E	55	From 2014-08-07
Naoussa	NASA	Greece	40.6311N	22.0671E	350	
Napay	NAP	Uzbekistan	41.7167N	70.1167E		
Napfberg	NAPF	Bayern,Germany	49.8887N	12.0517E	695	
Napier	NPR	North Island,New Zealand	39.4882S	176.9180E	3	From 1953-03-01 to 1955-03-31
Naples	NPL	Italy	40.8467N	14.2578E	7	
Napoleon	E29A	North Dakota,U.S.A.	46.5682N	99.6420W	628	From 2009-08-19 to 2011-06-28

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Napperby	NAPP	South Australia,Australia	33.1828S	138.1478E	181	From 2009-01-01
Naqoura	NAQL	Lebanon	33.1170N	35.1410E	83	From 2008-07-01
Nara	NAR	Nara,Japan	34.6917N	135.8317E	105	
Nara (Leontica)	NARA	Switzerland	46.4603N	8.8981E	1450	From 2005-12-15
Naramoto	NRME	Shizuoka,Japan	34.8266N	139.0645E	200	
Narango	VEBEN	Vanuatu	15.5674S	166.9560E	55	
Naranjal	NARJA	Costa Rica,Costa Rica	9.9720N	85.5437W	576	
Naranjito	LLNJ	Costa Rica,Costa Rica	9.4738N	84.1005W	105	
Naranjo de Alajuela	NARAN	Costa Rica,Costa Rica	10.0980N	84.3770W	1059	
Naranjo, NAR	CNAR	Costa Rica	9.5887N	83.9413W	1622	From 2002-10-01 to 2003-03-15
Naratenkawa	JNTK	Nara,Japan	34.2702N	135.8840E	840	From 2012-07-01
Narayananagar	NNR	Himachal Pradesh,India	29.7703N	80.2863E	1651	From 2012-01-01
Nardaran	NDR	Azerbaijan	40.5810N	49.9870E	41	From 2003-08-01
Nardues-Aldunate	YNAR	Spain	42.6375N	1.3672W	740	From 2009-12-11
NAREK	NRKZ	Armenia	40.0000N	44.6600E	1040	From 2013-11-15
Narela	NRLA	India	28.7841N	77.0953E	210	From 2017-12-01
NARELA	NARL	Delhi	28.8530N	77.0910E	210	From 2017-12-01
Nariel	NARM	New South Wales,Australia	36.4302S	147.8448E	550	
Narli-Kahramanmaras	KHMN	Turkey	37.3915N	37.1573E	640	From 2012-11-29
Narlikuyu	NART	Turkey	36.4510N	34.1030E	100	From 1993-01-01
NARMADA NAGAR	NRDN	Madhya Pradesh	22.7190N	77.1670E	292	From 2018-01-31
Narni	NARN	Italy	42.5198N	12.5144E	220	From 2013-09-01
Naroch	NACGM	Belarus	54.9037N	26.7830E	189	From 1979-08-17
Naroch'	NE53	Belarus	54.9040N	26.7930E	189	From 1989-10-01
Narodo	NLDA	Republic of Korea	34.5325N	127.4672E	157	From 2018-03-09
Narrogin	NWA	Western Australia,Australia	32.9270S	117.2340E	365	From 1976-02-13 to 2006-05-29
Narrogin (SRO)	NWAO	Western Australia,Australia	32.9270S	117.2340E	265	From 1976-02-13
Narrow River	NWR	Idaho,U.S.A.	42.0987N	113.4367W	1646	
Narrows	NAV	Virginia,U.S.A.	37.3167N	80.7931W	610	From 1968-01-01 to 2004-09-30
Narsarsuaq	NRS	Greenland	61.1595N	45.4188W	65	
Narshiapallam	NRPL	India	21.4680N	82.7450E	327	From 2018-02-14
Naryn	NRN	Kyrgyzstan	41.4333N	76.0000E	2849	
Nasa	NAS1	Ecuador	0.6335S	78.4775W	3880	From 1993-11-24
Nasa	NAS2	Ecuador	0.6453S	78.4683W	4022	From 2007-08-15
Nasa Cotopaxi	NCE	Ecuador	0.6611S	78.4972W	3821	From 1977-01-01 to 1982-12-31
Nasa Mountain	NMN	Nevada,U.S.A.	37.0808N	116.8181W	1500	From 1978-11-28
Nasaqa	NAS	Fiji	16.5367S	179.2967E	85	From 1964-01-01 to 1969-12-31
Nasera Bomas	NG54	Tanzania	2.7316S	35.3595E	1853	From 2013-01-22 to 2014-12-06
Nasik	NSIK	Maharashtra,India	20.0300N	73.7970E	0	From 1984-05-18
Nassriya	NSR	Iraq	31.0100N	46.1400E	5	From 2009-01-01 to 2015-10-03
Nastanj	TNSJ	Iran	33.9633N	56.6089E	1123	From 2011-08-01
Nasudden	NSD	Sweden	65.1955N	18.8235E		From 1991-01-01
Nata	NATA	Cyprus	34.7789N	32.5699E	381	From 2013-07-01
Natal	NAT	Rio Grande do Norte,Brazil	5.8678S	35.2845W	50	
Natashquan Quebec	NATG	Gulf of St. Lawrence,Canada	50.2872N	62.8102W	-1	From 2005-11-26
Natchez Trace	NATN	Tennessee,U.S.A.	35.8560N	88.2400W	198	From 1985-03-27 to 1987-05-06
Natchez Trace	NAIN	Tennessee,U.S.A.	35.8560N	88.2400W	198	
Naters, Zentrum Missione, V	SNTZ	Switzerland	46.3259N	7.9907E	678	From 2016-11-21
Nathian	NTP	Pakistan	34.3272N	72.3858E	686	
Nathian	NAT1	Pakistan	34.3460N	72.3900E	650	From 1973-08-23
National Central University	NCU	Taiwan region	24.9700N	121.1870E	134	
National Guard	NGH	Hawaii,U.S.A.	19.7020N	155.0290W	18	
National Taiwan Ocean University, Keelung City	TNOU	Taiwan region	25.1500N	121.7730E	50	From 1999-08-04
Natividade	NATB	Brazil	21.0550S	42.0040W		
Natividade - TO	NTVD	Tocantins,Brazil	11.7106S	47.6801W	349	From 2011-06-25 to 2013-02-22
Natogelaende Bechhofen	A368A	Germany	49.1259N	10.5467E	529	From 2015-12-01
Natroun	HNAT	Egypt	29.6329N	30.6172E	266	
Nattai	NATM	New South Wales,Australia	34.2061S	150.4267E	632	
Natural Bridge	S56A	Virginia,U.S.A.	37.6771N	79.5662W	449	From 2013-04-03
Natural Bridge	YNB	Wyoming,U.S.A.	44.5245N	110.4590W	2390	
Natural Harvest Farm, Hartford	J43A	Wisconsin,U.S.A.	43.3808N	88.4185W	322	From 2011-10-12 to 2013-06-11
Natural Resources Authority	JSOJ	Jordan	31.9570N	35.8460E	926	
Naumai	NMHZ	North Island,New Zealand	39.0971S	176.8065E	864	From 2008-02-13
Nausori Highlands	NHF	Fiji	17.8083S	177.5967E	518	From 1964-01-01 to 1969-12-31
Navajo Lake, Ignacio	T21A	New Mexico,U.S.A.	36.9914N	107.5342W	2006	From 2008-05-24 to 2009-11-19
Navajo Res., Navajo Mountain	T17A	Arizona,U.S.A.	36.9969N	110.8041W	1876	From 2007-07-30 to 2009-03-04
Navarro Ridge	GNAM	California,U.S.A.	39.1975N	123.6310W	344	
Navidad	NAVD	Valparaiso,Chile	33.9508S	71.8328W	16	
Navojoa	NE80	Sonora	26.9150N	109.2300W	183	From 2012-03-09
Naxcivan	NAK	Azerbaijan	39.2050N	45.4150E	887	From 1951-01-01
Naxos Island	NAX1	Greece	37.1014N	25.3742E	0	From 2012-09-01
Nayobi Boma	PR53	Tanzania	2.8538S	35.8354E	2508	From 2013-01-21 to 2014-12-05
Naypyitaw	NPW	Myanmar	19.7785N	96.1376E	156	From 2016-10-18
Nazarbek	NZBK	Uzbekistan	41.2216N	69.1169E	386	
Naze	NZJ	Ryukyu Islands,Japan	28.3767N	129.4980E	4	From 1973-04-01
Nazilli-Aydin	NAZL	Turkey	37.9641N	28.2922E	510	From 2018-05-04
Nazlini	NL2	Arizona,U.S.A.	35.8069N	109.6290W	1920	From 1965-02-10 to 1965-10-04
Nazlini	NL2AZ	Arizona,U.S.A.	35.8069N	109.6286W	1920	
Nazlini	NL-	Arizona,U.S.A.	35.9014N	109.5694W	1768	From 1964-03-31 to 1965-01-25
Nazlini	NL-AZ	Arizona,U.S.A.	35.9014N	109.5694W	1768	From 1964-03-31 to 1965-01-25
Nazwa, Dubai	NAZ	United Arab Emirates	24.9884N	55.6618E	199	From 2006-05-24
NC01	NC01	Nicaragua	11.1870N	85.5080W	30	From 2005-11-01 to 2006-07-01
NC02	NC02	Nicaragua	11.4820N	85.5100W	154	From 2005-11-01 to 2006-07-01
NC03	NC03	Nicaragua	11.2890N	85.6770W	15	From 2005-11-01 to 2006-07-01
NC05	NC05	Nicaragua	11.1162N	85.7175W	37	From 2005-11-01 to 2006-07-01
NC06	NC06	Nicaragua	11.1600N	85.8010W	60	From 2005-11-01 to 2006-07-01
NC08	NC08	Nicaragua	11.4820N	85.8150W	60	From 2005-11-01 to 2006-07-01
NC09	NC09	Nicaragua	11.2830N	85.8790W	90	From 2005-11-01 to 2006-07-01
NC10	NC10	Nicaragua	11.6680N	85.8710W	0	From 2005-11-01 to 2006-07-01
NC11	NC11	Nicaragua	11.4380N	85.9250W	130	From 2005-11-01 to 2006-07-01
NC12	NC12	Nicaragua	11.3890N	86.0100W	30	From 2005-11-01 to 2006-07-01
NC13	NC13	Nicaragua	11.7200N	86.0050W	0	From 2005-11-01 to 2006-07-01
NC15	NC15	Nicaragua	11.4800N	86.1210W	10	From 2005-11-01 to 2006-07-01
NC16	NC16	Nicaragua	11.6970N	86.1040W	210	From 2005-11-01 to 2006-07-01
NC18	NC18	Nicaragua	11.7360N	86.1980W	80	From 2005-11-01 to 2006-07-01
NC19	NC19	Nicaragua	11.6530N	86.3580W	0	From 2005-11-01 to 2006-07-01
NC20	NC20	Nicaragua	11.7620N	86.3590W	127	From 2005-11-01 to 2006-07-01
Ndonga, CM08	ACM08	Cameroon	3.9090N	9.8630E	46	
NE201	NE201	Botswana,Botswana	24.5154S	23.9328E	980	
NE202	NE202	Botswana,Botswana	24.1135S	21.7823E	1153	
NE203	NE203	Botswana,Botswana	22.9931S	20.1956E	1313	
NE204	NE204	Botswana,Botswana	18.5396S	21.3382E	1060	
NE205	NE205	Botswana,Botswana	18.6209S	23.5005E	961	
NE206	NE206	Botswana,Botswana	17.8002S	25.1619E	1006	
NE207	NE207	Botswana,Botswana	19.5310S	21.1788E	1094	
NE208	NE208	Botswana,Botswana	21.9464S	25.4469E	1083	
NE209	NE209	Botswana,Botswana	21.4035S	23.7718E	1005	
NE210	NE210	Botswana,Botswana	21.3619S	21.2157E	1198	
NE211	NE211	Botswana,Botswana	22.8538S	22.2068E	1153	
NE212	NE212	Botswana,Botswana	23.3804S	24.6608E	1038	
NE213	NE213	Botswana,Botswana	25.4755S	22.8573E	1030	
NE214	NE214	Botswana,Botswana	19.3892S	22.1625E	985	
NE215	NE215	Botswana,Botswana	18.7810S	25.1964E	1035	
NE216	NE216	Botswana,Botswana	20.1957S	24.5372E	956	
NE217	NE217	Botswana,Botswana	21.0997S	27.3342E	1047	
NE218	NE218	Botswana,Botswana	20.5629S	26.2178E	941	
NE219	NE219	Botswana,Botswana	22.5697S	27.4468E	911	
NE220	NE220	Botswana,Botswana	23.3630S	25.8596E	1020	
NE221	NE221	Botswana,Botswana	25.8118S	24.8009E	1158	
Nea_Anchialos	AGXA	Greece	39.2765N	22.8205E	2	
Nea Chora Chania	ABEA	Crete	35.5163N	24.0114E	9	From 2015-06-01
Neah Bay	NBW	Washington,U.S.A.	48.4000N	124.7000W		
Nea Herakleia	NHR1	Greece	41.1840N	23.2806E	60	From 2008-10-01
Nea Ionia, Volos	VOL3	Greece	39.3740N	22.9354E	26	From 2011-06-01
Nea Kammeni, Santorini	SNT5	Greece	36.4037N	25.3953E	124	From 2014-04-24
Neapolis	NPS	Crete,Greece	35.2625N	25.6125E	370	From 1973-07-01
Neapolis Laconias	NPS1	Greece	36.5126N	23.0623E	10	From 2011-09-15
Near Bada	BODY	Saudi Arabia	28.3560N	35.1320E		
Near Lassiter	DY5	Tennessee,U.S.A.	36.3247N	89.3621W	134	From 1970-01-01 to 1972-12-31

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Near Potsdam	CHIP	New York,U.S.A.	44.7980N	75.1950W	97	
Near Sharaf	MATS	Saudi Arabia	28.7140N	35.0800E		From 1993-07-01 to 1999-08-25
Nbias	FNEB	Midi-Pyrenees,France	42.9042N	2.1079E	578	From 2007-07-01
Nebitdag	NBD	Turkmenistan	39.5100N	54.3830E	15	
Nebo	V54A	North Carolina,U.S.A.	35.7771N	81.9478W	448	From 2013-02-18
NECsaids, EN01	EN01	Jilin	42.9700N	131.0100E	163	
NECsaids, EN02	EN02	Jilin	42.9300N	129.8800E	376	
NECsaids, EN03	EN03	Jilin	42.4000N	129.5500E	339	
NECsaids, EN04	EN04	Jilin	41.7500N	126.8400E	332	
NECsaids, EN05	EN05	Jilin	42.7400N	125.6300E	398	
NECsaids, EN06	EN06	Heilongjiang	43.8300N	131.2100E	207	
NECsaids, EN07	EN07	Jilin	43.7400N	129.7600E	382	
NECsaids, EN08	EN08	Heilongjiang	44.0500N	128.6500E	463	
NECsaids, EN09	EN09	Jilin	43.9100N	127.7100E	375	
NECsaids, EN10	EN10	Heilongjiang	44.5600N	131.1100E	545	
NECsaids, EN11	EN11	Heilongjiang	44.5000N	129.9100E	521	
NECsaids, EN12	EN12	Jilin	44.3900N	127.1300E	269	
NECsaids, EN13	EN13	Jilin	44.4600N	126.3500E	189	
NECsaids, EN14	EN14	Heilongjiang	45.0500N	131.2100E	278	
NECsaids, EN16	EN16	Heilongjiang	44.9400N	128.0900E	282	
NECsaids, EN17	EN17	Jilin	45.1200N	126.3600E	162	
NECsaids, EN18	EN18	Heilongjiang	45.2500N	127.9100E	236	
NECsaids, EN19	EN19	Heilongjiang	45.6200N	129.5900E	350	
NECsaids, EN20	EN20	Jilin	42.6400N	128.9700E	673	
NECsaids, EN21	EN21	Jilin	42.8600N	128.3300E	567	
NECsaids, EN22	EN22	Jilin	42.7900N	127.7900E	527	
NECsaids, EN23	EN23	Jilin	43.9500N	123.9700E	205	
NECsaids, EW01	EW01	Jilin	43.2700N	131.0600E	326	
NECsaids, EW03	EW03	Jilin	43.3000N	130.6800E	516	
NECsaids, EW04	EW04	Jilin	43.3400N	130.4300E	664	
NECsaids, EW05	EW05	Jilin	43.3600N	130.1800E	657	
NECsaids, EW06	EW06	Jilin	43.3700N	130.0200E	433	
NECsaids, EW07	EW07	Jilin	43.3600N	129.8400E	344	
NECsaids, EW08	EW08	Jilin	43.4000N	129.4900E	371	
NECsaids, EW09	EW09	Jilin	43.3100N	129.2300E	511	
NECsaids, EW10	EW10	Jilin	43.3000N	129.1100E	526	
NECsaids, EW11	EW11	Jilin	43.3200N	128.9400E	504	
NECsaids, EW12	EW12	Jilin	43.3800N	128.5700E	593	
NECsaids, EW13	EW13	Jilin	43.3900N	128.3700E	506	
NECsaids, EW14	EW14	Jilin	43.3600N	127.8600E	727	
NECsaids, EW15	EW15	Jilin	43.4000N	127.5400E	405	
NECsaids, EW16	EW16	Jilin	43.3900N	127.2400E	343	
NECsaids, EW17	EW17	Jilin	43.4000N	126.8700E	284	
NECsaids, EW18	EW18	Jilin	43.4000N	126.5300E	457	
NECsaids, EW19	EW19	Jilin	43.4100N	126.1800E	313	
NECsaids, EW20	EW20	Jilin	43.4300N	125.8100E	257	
NECsaids, EW21	EW21	Jilin	43.4300N	125.4700E	376	
NECsaids, EW22	EW22	Jilin	43.4400N	125.1600E	234	
NECsaids, EW23	EW23	Jilin	43.4400N	124.9200E	297	
NECsaids, NS01	NS01	Heilongjiang	45.4100N	130.2900E	371	
NECsaids, NS02	NS02	Heilongjiang	45.1700N	130.5400E	327	
NECsaids, NS04	NS04	Heilongjiang	44.6400N	130.5300E	478	
NECsaids, NS05	NS05	Heilongjiang	44.3900N	130.5500E	648	
NECsaids, NS06	NS06	Heilongjiang	44.1700N	130.7200E	227	
NECsaids, NS07	NS07	Heilongjiang	43.8700N	130.7700E	263	
NECsaids, NS08	NS08	Heilongjiang	43.7000N	130.7000E	376	
NECsaids, NS09	NS09	Heilongjiang	43.5400N	130.8200E	732	
NECsaids, NS10	NS10	Jilin	43.1200N	130.4100E	299	
NECsaids, NS11	NS11	Jilin	43.0000N	130.4900E	218	
NECsaids, NS12	NS12	Jilin	42.8300N	130.4200E	55	
Nectar Brook	NBK	South Australia,Australia	32.7010S	137.9830E	180	
Nedlands	NDA	Western Australia,Australia	31.9750S	115.8170E	8	
Needles	NEE	California,U.S.A.	34.8230N	114.5960W	139	From 1993-04-16
Needles	ND-CL	California,U.S.A.	34.5992N	115.5514W	366	From 1963-04-17 to 1963-06-07
Needles	ND-	California,U.S.A.	34.5992N	115.5514W	366	From 1963-04-17 to 1963-06-07
Needles Airport, Needles	NEE2	California,U.S.A.	34.7676N	114.6188W	271	From 2006-07-27
Neeritter	NEER	Netherlands	51.1687N	5.7846E	30	From 2006-01-27
Neewiller pres Lauterbourg	NEEW	Alsace	48.9561N	8.1046E	168	From 2016-01-01
Negara	NBBI	Bali,Indonesia	8.3700S	114.6200E	0	
Negar Kerman	NGRK	Iran	29.6440N	56.7304E	3123	From 2010-05-05
Neginohata	NGHE	Shizuoka,Japan	34.8122N	138.8281E	160	
Negor - Chabahar- Iran	NGCH	Iran	25.3587N	61.1364E	45	From 2015-08-10
Negrea	NEGRR	Romania	45.5373N	27.8771E	143	From 2017-11-01
Negresti	NEGR	Romania	45.5335N	27.8666E	98	From 2013-09-28
Negril	NEJ	Jamaica	18.2510N	78.3300W	200	From 2002-04-17
Negrine	CNGR	Algeria,Algeria	34.4740N	7.5110E	296	
NEGU Pad	NEG	California,U.S.A.	38.8305N	122.7699W	922	
Nehbandan	NHDN	Iran	31.3928N	60.0502E	1329	From 2013-11-10
Nehoiu	NEHR	Romania	45.4272N	26.2952E	584	From 2014-05-29
Neiba UASD	NEDR	Dominican Republic	18.4835N	71.4180W	42	From 2014-06-25
Neicheng	TWE	Taiwan region	24.7211N	121.6670E	20	From 1975-07-18
Neifu	TWZ	Taiwan region	25.0970N	121.5790E	280	From 1975-01-18 to 1983-11-11
Neilton Lookout	NLWA	Washington,U.S.A.	47.3917N	123.8691W	640	From 2006-07-05
Neipperg	NEI	Baden-Wurttemberg,Germany	49.1083N	9.0417E	268	
Nelchina	NCA	Alaska,U.S.A.	61.9937N	146.8240W	741	From 1986-07-17
Nel'koba	NKB	Magadanskaya Oblast',Russia	61.3370N	148.8100E	531	From 1983-09-01 to 1997-06-14
Nelson	NEL	Nevada,U.S.A.	35.7122N	114.8433W	999	From 1963-10-01 to 1981-12-31
Nelson	V12A	Nevada,U.S.A.	35.7266N	114.8511W	1098	From 2006-06-19 to 2008-10-16
Nelson	NEN	Nevada,U.S.A.	35.6495N	114.8433W	1326	
Nelson	NNZ	South Island,New Zealand	41.2171S	173.3795E	130	From 2003-08-12
Nelson Butte	NLW	Washington,U.S.A.	48.0783N	120.3380W	1490	From 1985-05-01
Nelson Mandela Metropolitan University	NMMU	South Africa	34.0000S	25.6650E	75	From 2016-11-24
Nelsons Funny Farm, Mountain City	U54A	Tennessee,U.S.A.	36.5209N	81.8204W	837	From 2013-02-28
Nelyaty	NLY	Buryatiya,Russia	56.5036N	115.7022E	596	From 1979-04-01 to 2001-11-28
Nelyaty	NLYR	Chitinskaya Oblast',Russia	56.4911N	115.7031E	596	
Nemaska	NEMQ	Quebec,Canada	51.6837N	76.2576W	197	From 2007-08-27
Nemaska Station	NMSQ	Quebec,Canada	51.7133N	76.0237W	275	From 2009-09-12
Nemea	NMA1	Greece	37.8188N	22.6627E	314	From 2011-11-01
Nemuro	NEM	Nemuro,Japan	43.3283N	145.5900E	26	
Nemuro 2	NEM2	Nemuro,Japan	43.3650N	145.7430E	16	From 1992-12-16
Nemuro--Hokkaido University	NMR	Nemuro,Japan	43.3695N	145.7280E	20	
Nemuroshibetsu	JNSB	Nemuro,Japan	43.7756N	145.0046E	97	From 2013-07-01
Nenana	NEA	Alaska,U.S.A.	64.5772N	149.0770W	364	From 1971-10-01
Nenana	NEA2	Alaska,U.S.A.	64.5928N	149.0694W	450	From 2014-06-12
Neno	NENM1	Malawi	15.3971S	34.6531E	864	From 2011-04-29
Neochorion	VNE	Greece	39.3119N	23.2322E	692	From 1982-10-01
Neochori, PE05	PE05E	Greece	37.5128N	22.4553E	825	
Neokhori	NEO	Greece	39.3067N	23.2235E	500	From 1988-01-01
Neola	M35A	Iowa,U.S.A.	41.4665N	95.6945W	363	From 2010-06-15 to 2012-04-24
NEOT	NEOT	Israel	30.9820N	35.3860E	−390	From 1986-09-01 to 1988-04-30
NEPTUNE Canada Endeavour node	NCEN	British Columbia,Canada	47.9399N	129.0600W	−2324	From 2009-01-01
NEPTUNE Canada Endeavour West	KEBB	British Columbia,Canada	47.9594N	129.1254W	−2201	From 2009-09-01
NEPTUNE Canada High Rise	NCHR	British Columbia,Canada	47.9741N	129.0819W	−2150	From 2009-01-01
NEPTUNE Canada Main Field	KEMF	British Columbia,Canada	47.9485N	129.0987W	−2205	From 2009-01-01
NEPTUNE Canada Mothra	KEMO	British Columbia,Canada	47.9241N	129.1082W	−2270	From 2009-01-01
Nerja	ANER	Spain	36.7623N	3.8453W	170	
Nerungri	NRGR	Sakha,Russia	56.6570N	124.7230E	840	From 2001-11-01
Neryungri	NYG	Sakha,Russia	56.6800N	124.6600E	760	From 1977-01-01 to 1982-12-31
Neshkan	NSH2	The Chukotsky Autonomous Okrug,Russia	67.1070N	173.6350W	65	
Neshkan, Chukotka	NSH	The Chukotsky Autonomous Okrug,Russia	67.0360N	172.9600W	5	From 2003-09-12
Neskantaga (Lansdowne House)First Nations Ontario	NSKO	Ontario,Canada	52.1965N	87.9305W	241	From 2005-07-29
Nesovice	A089A	Czech Republic	49.1521N	17.0920E	263	From 2015-11-08
Nestani	S011	Greece	37.6060N	22.4710E	815	
Nestorio	NEST	Greece	40.4147N	21.0489E	1056	From 2008-06-30
Neuchatel	NEC	Switzerland	47.0063N	6.9487E	600	From 1980-06-01 to 1996-01-19
Neuchatel	NEU	Switzerland	46.9973N	6.9573E	487	From 1911-01-01 to 1999-08-25
Neuenburg	NEUB	Sachsen-Anhalt,Germany	51.2083N	11.7752E	200	From 2003-08-21
Neuenburg, Observatorium, NE	SNES2	Switzerland	47.0000N	6.9531E	483	From 2014-11-18
Neufchef	NEUF	Lorraine	49.3255N	6.0270E	260	From 2015-01-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Neufra-Freudenweiler	FREU	Baden-Wurttemberg	48.2357N	9.1367E	639	From 2016-11-01
Neuhaus	RNHA	Bayern,Germany	47.8060N	12.8190E	855	From 2001-05-22 to 2012-11-14
Neuhausen (Enzkreis), Galgenberg	GALG	Baden-Wurttemberg	48.7860N	8.7810E	528	From 2015-09-01
Neumayer	VNA	Dronning Maud Land	70.5997S	8.3622W	40	
Neumayer Olymp	VNA3	Dronning Maud Land	71.2428S	9.6687W	480	
Neumayer--Station	VNA1	Dronning Maud Land	70.6503S	8.2624W	40	From 1992-03-01
Neumayer--Watzmann	VNA2	Dronning Maud Land	70.9252S	7.3927W	350	
Neunburg	A355A	Germany	49.3490N	12.3832E	385	From 2015-10-23
Neuquen (mine)	NEUQ	Chile	20.1722S	70.0732W	1043	From 2009-05-17
Nevada	N50A	Ohio,U.S.A.	40.7711N	83.1486W	277	From 2012-06-20
Nevada Test Site	NT-NV	Nevada,U.S.A.	37.2758N	116.4183W	1987	
Nevada Test Site	NT2NV	Nevada,U.S.A.	37.2533N	116.2858W	2185	
Nevada Test Site Array	NTA	Nevada,U.S.A.	37.2783N	116.4370W	1996	
Nevado Cumbal	CUMC	Colombia	0.9607N	77.8723W	3950	From 1989-01-01
Nevado del Ruiz	LISA	Colombia	4.9153N	75.3338W	4700	
Nevado del Ruiz	OLLE	Colombia	4.9020N	75.3590W	4630	
Neve Ativ	HRMI	Israel	33.2680N	35.7500E	1014	
Neve Ativ	NATI	Israel	33.2620N	35.7364E	1	From 2012-07-09
Nevel`sk	NEVR	Sakhalinskaya Oblast',Russia	46.6760N	141.8580E	24	From 2008-10-10
Neve Shalom, NSH	NSHI	Israel	31.8160N	34.9790E	300	From 1996-03-01 to 1997-05-01
Nevesinje	NEVS	Bosnia and Herzegovina	43.2990N	18.1030E	894	From 2015-12-01
Neviano degli Arduini	NEVI	Italy	44.5834N	10.3163E	480	From 2012-05-25
Nevinnomyssk	NVNR	Stavropol'skiy Kray,Russia	44.6143N	41.9640E	340	From 2007-02-19
Nevis, Disaster Management Department Office	NVDO	Montserrat	17.1183N	62.6191W	20	From 2013-05-10
Nevis Range	KNR1	Scotland,United Kingdom	56.8219N	4.9714W	1147	From 1991-01-01
Nevrokopi	NVR	Greece	41.3500N	23.8619E	595	From 1997-01-01
Nevsehir-Avanos	AVNS	Turkey	38.8065N	34.8474E	1213	From 2010-12-17
NEVSHA	NEF	Bulgaria	43.2643N	27.2752E	350	From 2007-06-01
New Abbey	BNA	Scotland,United Kingdom	54.9658N	3.6242W	28	
New Alisa	ANAL	Egypt	23.4100N	32.6780E		
Newall Road	NWEZ	North Island,New Zealand	39.2749S	173.8675E	175	From 1996-04-03
Newall Road North Island, New Zealand	NBEZ	North Island,New Zealand	39.2679S	173.8676E	141	From 2012-10-17
New Almaden Mine	JNAM	California,U.S.A.	37.1770N	121.8450W	512	
Newark	NED	Delaware,U.S.A.	39.7042N	75.7047W	47	From 1970-11-19
Newberry Crater	NCOR	Oregon,U.S.A.	43.7040N	121.1380W	1908	From 1987-09-01
New Brighton	NNBS	South Island	43.4971S	172.7179E	10	
Newby Ranch, Pratt	S32A	Kansas,U.S.A.	37.7001N	98.9363W	558	From 2009-10-11 to 2011-08-26
Newcastle	P21A	Colorado,U.S.A.	39.5240N	107.4493W	2097	From 2007-12-12 to 2009-10-22
Newcastle	NWCL	South Africa	27.7360S	29.8920E	1215	From 2015-11-16
Newcastle	NWL	Natal,South Africa	27.7207S	29.9532E	1332	
New Castle	NCJ	Jamaica	18.0750N	76.7190W	1142	
Newcastle Hard Rock	NTLH	New South Wales,Australia	32.8983S	151.7030E	64	From 2012-09-26
Newcastle Ridge	NCSB	British Columbia	50.4031N	126.0559W	1297	From 2017-11-01
Newcastle Ridge	NCRB	British Columbia,Canada	50.4035N	126.0553W	1293	
Newcastle Soft Rock	NTLS	New South Wales,Australia	32.9320S	151.7625E	13	From 2010-09-10
Newcomb	NCB	New York,U.S.A.	43.9708N	74.2236W	500	
Newcomb	U20A	New Mexico,U.S.A.	36.3758N	108.5204W	1682	From 2008-02-19 to 2009-11-21
Newdale	I16A	Idaho,U.S.A.	43.8756N	111.4868W	1744	From 2007-08-15 to 2009-09-17
New Delhi	NDI	Delhi,India	28.6833N	77.2167E	230	From 1960-10-01
New Douglas	Q43A	Illinois,U.S.A.	38.9410N	89.6991W	202	From 2011-05-24 to 2013-04-25
Newell	G25A	South Dakota,U.S.A.	45.1935N	103.4173W	894	From 2009-07-10 to 2011-06-03
New Galloway	NEWG	Scotland,United Kingdom	55.1173N	4.2300W	151	
New Goldendale	GL2	Washington,U.S.A.	45.9597N	120.8230W	1000	
New Harmony	NHIN	Indiana,U.S.A.	38.1300N	87.9360W	90	From 2002-02-15
New Haven	NHIL	Illinois,U.S.A.	37.9269N	88.1708W	134	
New Haven	NHC	Connecticut,U.S.A.	41.3167N	72.9000W	11	From 1925-01-01 to 1999-08-25
New Hogan Dam	MNHB	California,U.S.A.	38.1459N	120.8136W	206	
New Hogan Reservoir	MNHM	California,U.S.A.	38.1457N	120.8148W	189	From 1977-03-01 to 2011-11-26
New Hope	NHSC	South Carolina,U.S.A.	33.1067N	80.1778W	11	From 2001-05-01
Newington	G57A	Ontario,Canada	45.1036N	74.9855W	96	From 2013-07-24
New Kensington	NKP	Pennsylvania,U.S.A.	40.5597N	79.7542W	251	From 1939-01-01 to 1959-12-31
New Madrid	NMMO	Missouri,U.S.A.	36.5880N	89.5520W	90	
New Madrid	NMM	Missouri,U.S.A.	36.5910N	89.5282W		From 1967-11-01 to 1969-11-30
New Madrid	NMD	Missouri,U.S.A.	36.5750N	89.4819W	92	
New Madrid Sch	NMEM	Missouri,U.S.A.	36.5740N	89.5850W	0	
New Magadan Station 2	NMA2	Magadanskaya Oblast',Russia	59.5497N	150.8000E	50	From 2007-09-17
New Mexico Highlands	NMH	New Mexico,U.S.A.	35.6042N	105.1700W	2026	From 1977-10-15
New North Marawa	NNMR	Egypt	23.7379N	32.5621E	100	
New Orleans	NOL	Louisiana,U.S.A.	29.9483N	90.1200W	2	From 1910-01-01
New Philadelphia	O53A	Ohio,U.S.A.	40.2493N	81.2129W	320	From 2012-12-13
New Philadelphia	KSTO	Ohio	40.4890N	81.4450W	277	From 2012-06-25
New Plymouth	NPZ	North Island,New Zealand	39.0640S	174.0735E	34	From 1931-02-01 to 1957-10-03
Newport	NEW	Washington,U.S.A.	48.2642N	117.1227W	760	From 1993-11-13
Newport DOGAMI SMO	NEWO	Oregon,U.S.A.	44.6243N	124.0461W	2	From 2008-02-14
NEWPORT INFRASONIC ARRAY REFERENCE POI	I56US	Washington,U.S.A.	48.2641N	117.1257W	763	From 2005-07-13
New Reactor	NPRI	Idaho,U.S.A.	43.5975N	112.8270W	1513	From 1990-08-14
New River	NW2	California,U.S.A.	33.0905N	115.6920W	-68	From 1976-12-01
New Salem	NSLM	Texas,U.S.A.	31.9750N	94.9580W		
New Sharon	H63A	Maine,U.S.A.	44.6616N	70.0353W	109	From 2013-09-20
New Sinn el Kaddab	NSKD	Egypt	23.6599N	32.3861E	236	
New Taipei City	BACT	Taiwan region	24.9975N	121.4418E	5	From 2014-12-04
New Underwood	I26A	South Dakota,U.S.A.	44.0309N	102.8596W	971	From 2009-06-18 to 2011-05-08
New Vision PS	LN46	Tanzania	3.0070S	36.6767E	1400	From 2013-01-19 to 2014-12-04
New Yellowknife Blue 1	YKAB1	Northwest Territories,Canada	62.4023N	114.6063W	146	From 2013-06-26
New Yellowknife Blue 10	YKAB0	Northwest Territories,Canada	62.6059N	114.6060W	196	From 2013-06-26
New Yellowknife Blue 2	YKAB2	Northwest Territories,Canada	62.4247N	114.6064W	151	From 2013-06-26
New Yellowknife Blue 3	YKAB3	Northwest Territories,Canada	62.4485N	114.6061W	159	From 2013-06-26
New Yellowknife Blue 4	YKAB4	Northwest Territories,Canada	62.4709N	114.6057W	165	From 2013-06-26
New Yellowknife Blue 6	YKAB6	Northwest Territories,Canada	62.5164N	114.6057W	174	From 2013-06-26
New Yellowknife Blue 7	YKAB7	Northwest Territories,Canada	62.5389N	114.6061W	178	From 2013-06-26
New Yellowknife Blue 8	YKAB8	Northwest Territories,Canada	62.5614N	114.6054W	171	From 2013-06-26
New Yellowknife Blue 9	YKAB9	Northwest Territories,Canada	62.5829N	114.6047W	188	From 2013-06-26
New YK Array red 1	YKAR1	Northwest Territories,Canada	62.4928N	114.9445W	142	From 2013-06-26
New YK Array red 2	YKAR2	Northwest Territories,Canada	62.4928N	114.8959W	146	From 2013-06-26
New YK Array red 3	YKAR3	Northwest Territories,Canada	62.4929N	114.8477W	147	From 2013-06-26
New YK Array red 4	YKAR4	Northwest Territories,Canada	62.4927N	114.7998W	150	From 2013-06-26
New YK Array red 5	YKAR5	Northwest Territories,Canada	62.4931N	114.7504W	150	From 2013-06-26
New YK Array red 6	YKAR6	Northwest Territories,Canada	62.4932N	114.7019W	162	From 2013-06-26
New YK Array red 7	YKAR7	Northwest Territories,Canada	62.4932N	114.6544W	168	From 2013-06-26
New YK Array red 8	YKAR8	Northwest Territories,Canada	62.4931N	114.6061W	168	From 2013-06-26
New YK Array red 9	YKAR9	Northwest Territories,Canada	62.4930N	114.5564W	172	From 2013-06-26
Neyba	LONE1	Dominican Republic	18.4826N	71.4209W	28	From 2012-10-05 to 2015-08-06
Neytrino	NEUR	Russia	43.2631N	42.7016E	1750	From 2017-07-19
Neytrino	NEY	Russia	43.2489N	42.7222E	1715	From 2008-12-05 to 2017-07-18
Nezhdaninsk	NZD	Sakha,Russia	62.5000N	139.0600E	603	From 1980-06-01 to 1998-09-01
NGAL	NGAL	Egypt	23.4191N	32.7329E	100	
Ngambe, CM10	ACM10	Cameroon	4.2230N	10.6190E	613	
Ngamring, Xizang Zizhiqu	ONRN	Xizang Zizhiqu,China	29.3020N	87.2440E	4350	From 2002-07-13 to 2002-08-02
Ngan, CM04	ACM04	Cameroon	2.9790N	11.9590E	579	
Ngaoundal, CM22	ACM22	Cameroon	6.4770N	13.2680E	824	
Ngaoundere, CM26	ACM26	Cameroon	7.2650N	13.5480E	1207	
Ngariki Road	NRZ	North Island,New Zealand	39.3357S	173.9332E	250	From 1991-02-21 to 2009-06-10
Ngau Island	GAU	Fiji	18.0817S	179.3296E	286	From 1978-05-01 to 1999-08-25
Ngauruhoe	NGZ	North Island,New Zealand	39.1756S	175.6012E	1452	From 1976-06-01
Ngawi	NGJI	Jawa,Indonesia	7.3676S	111.4612E	0	From 2007-12-01
NGMR	NGMR	Egypt	23.5217N	32.4074E	207	
Ngoile bomas	NG56	Tanzania	3.0960S	35.4086E	1505	From 2013-01-17 to 2014-12-06
Ngonga	NGON	Malawi	10.9387S	33.9428E	1060	From 2014-07-13 to 2015-11-04
Ngongotaha	NGRZ	North Island,New Zealand	38.1018S	176.1874E	685	From 2011-10-26
Ngoundere	NGC	Cameroon	7.2617N	13.5683E	1100	From 1982-02-01
Ngurumani	KEN4	Kenya	1.7840S	36.0536E	782	From 2013-07-11 to 2014-12-03
NGWR	NGWR	Egypt	23.6684N	32.7912E	0	
Nhangau, A3869	M3869	Mozambique	19.7160S	35.0105E	14	
Nha Trang	NTV	Vietnam	12.2667N	109.1943E	5	
Nha-Trang	NHA	Vietnam	12.2100N	109.2120E	5	From 1957-06-01
Nhimo	NHIM	Xizang Zizhiqu,China	29.4336N	90.1643E	3822	From 2004-06-18
Nhulunbuy High School	AUNHS	Northern Territories,Australia	12.1900S	136.7800E	20	From 2013-08-11
Niagara	NG-	Wisconsin,U.S.A.	45.7575N	88.1492W	396	From 1961-11-19 to 1963-06-14
Niagara	NG-WS	Wisconsin,U.S.A.	45.7575N	88.1492W	396	From 1961-11-19 to 1963-06-14

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Nian	NIAN	Iran	27.5596N	56.8349E	248	From 2010-04-30
Niaqornat	NIAQ	Greenland	70.7886N	53.6640W	0	From 2019-08-20
Nibetsu	NIB	Akita,Japan	39.8033N	140.2683E	243	
Nice Cerbom	NCER	Provence-Cote d'Azur,France	43.6895N	7.2950E	30	From 2012-07-23
Nice, cimetire Caucade	NCAU	Provence-Cote d'Azur,France	43.6751N	7.2123E	28	From 2013-05-14
Nice - Cite Administrative des Alpes-Maritimes	NCAD	Provence-Cote d'Azur,France	43.6710N	7.2000E	5	From 2002-04-26
Nice, Eglise du Port	NPOR	Provence-Cote d'Azur,France	43.7000N	7.2860E	5	From 1990-01-01
Nice, Jardin Alsace-Lorraine	NALS	Provence-Cote d'Azur,France	43.6990N	7.2580E	6	From 1998-05-07
Nice, Liberation	NLIB	Provence-Cote d'Azur,France	43.7100N	7.2640E	18	From 1998-05-07
Nice, Mont Boron	NBOR	Provence-Cote d'Azur,France	43.6910N	7.3020E	191	From 1990-01-01
Nice OCA	NOCA	France	43.7263N	7.2999E	373	From 2013-08-01
Nice, Saint-Roch	NROC	Provence-Cote d'Azur,France	43.7160N	7.2930E	22	From 1998-05-07
Nichawak Mountain	NICHA	Alaska,U.S.A.	60.2366N	143.9672W	507	
Nichinankitagou	JNKG	Miyazaki,Japan	31.6621N	131.3760E	38	From 2013-07-01
Nicholson Point	NPT	Northwest Territories,Canada	69.9272N	128.9630W	60	From 1981-08-08
Nickenich	NICK	Germany	50.4263N	7.2962E	300	
Nicolai Mountain	NLO	Oregon,U.S.A.	46.0883N	123.4500W	900	
Nicolau / Grandola	PNCL	Portugal	38.1118N	8.5289W	120	From 2008-09-26
Nicolosi	ENCS	Sicily,Italy	37.6390N	15.0050E	958	From 1994-10-01
Nicolosi	ENIC	Italy	37.6314N	15.0216E	882	From 2006-03-08
Nicolosi	ENLS	Sicily,Italy	37.6060N	15.0243E	666	From 2002-10-01
Nicosia	NIC	Cyprus	35.1564N	33.3450E	166	
Nicosia	CMET	Cyprus	35.1960N	33.3630E	134	From 2006-10-17
Nicoya	NICO	Costa Rica	10.1345N	85.4470W	148	From 2010-07-30
Nicoya	AR8	Costa Rica	10.1925N	85.5206W	511	
Niedergesteln, Fire station, VS	NIE01	Switzerland	46.3130N	7.7848E	643	From 2018-07-13
Niederharthausen	A359A	Germany	48.8331N	12.6421E	333	From 2015-10-23
Niedersach Riedel	NRDL	Niedersachsen,Germany	52.4943N	10.1073E	-355	
Niedzica	NIE	Poland	49.4182N	20.2996E	649	
Nigde	BSTP	Turkey	37.9508N	34.1100E	1318	From 2005-02-25
Nigde	NIG	Turkey	38.1100N	34.6100E	2291	
Nigde/Merkez-Gumusler	NIDE	Turkey	37.9999N	34.7768E	1420	From 2014-12-01
Nigrita	NGRA	Greece	40.9074N	23.4993E	70	
Nigu River	E20K	Alaska,U.S.A.	68.2575N	156.1885W	866	From 2017-08-16
Niigata	NII	Niigata,Japan	37.9100N	139.0520E	3	
Niigata 2	NIIJ	Niigata,Japan	37.2400N	139.0020E	31	From 1978-01-01
Niihama	NHM	Ehime,Japan	33.9500N	133.2500E		
Nii jima	NJJ	Bonin Islands,Japan	34.3667N	139.2500E	50	
Nii jima 2	NJJJ	Bonin Islands,Japan	34.4020N	139.2830E	180	From 1988-01-01
Niijimaoohara	JNIO	Japan	34.3560N	139.2742E	57	From 2010-02-01
Nijar	ENIJ	Spain	36.9717N	2.2069W	440	From 1985-04-01
Nikishka	NKA	Alaska,U.S.A.	60.7431N	151.2380W	100	From 1971-09-10
Nikkaluokta	NIKU	Sweden	67.8673N	19.0347E	300	From 2003-08-24
Nikolaev	NIKV	Ukraine	46.9730N	31.9730E	74	
Nikolaevsk School	NHSA	Alaska,U.S.A.	59.8111N	151.6127W	256	
Nikolayevsk	NKL	Khabarovskiy Kray,Russia	53.1500N	140.6800E	15	
Nikolski	NIK	Alaska,U.S.A.	52.9743N	168.8530W	207	From 1971-05-17
Nikolski	NIKO	Alaska,U.S.A.	52.9738N	168.8539W	8	
Nikolski	NKI	Alaska,U.S.A.	52.9426N	168.8570W	8	
Nikolski High Hill	NIKH	Alaska,U.S.A.	52.9721N	168.8550W	199	From 2007-06-21
Niksic	NKME	Montenegro	42.7670N	18.9530E	688	From 2009-06-04
Niksic	NKY	Montenegro	42.8130N	18.9932E	1142	From 1983-12-25
Niles Canyon	CNIC	California,U.S.A.	37.6079N	121.9646W	393	
Nilore	NIL	Pakistan	33.6500N	73.2517E	536	From 1994-12-19
Nilsia	NIF	Finland	63.3900N	27.8099E	140	From 2016-07-25
Nindi	NIND	Tanzania	10.1421S	34.5792E	1292	From 2014-07-06 to 2015-11-04
Nine Bar Ranch, Gage	U31A	Oklahoma,U.S.A.	36.3695N	99.8508W	725	From 2009-04-07 to 2011-03-12
Nine Mile Canyon	NMC	California,U.S.A.	35.8428N	117.9048W	951	
Nine Mile Canyon	WNMM	California,U.S.A.	35.8428N	117.9048W		
Ninemile Creek	NCM	Montana,U.S.A.	47.1802N	114.5660W	1183	From 1983-06-15
Ninemile Divide	NDMT	Montana,U.S.A.	47.2690N	114.7988W	1917	
Nine Sixteen Ranch, Cliff	Z20A	New Mexico,U.S.A.	33.1132N	108.5922W	1547	From 2008-02-20 to 2009-12-11
Ninganchiao	NACB	Taiwan region	24.1738N	121.5947E	130	
Niniconang	NINI	Sulawesi,Indonesia	4.4225S	119.7560E	1463	
Ninilchik	NNL	Alaska,U.S.A.	60.0422N	151.2960W	366	From 1972-08-24
Ninilchik One	NIN	Alaska,U.S.A.	60.0111N	151.5360W	110	From 1971-08-28 to 1972-08-24
Ninotsminda	NTS	Georgia,Georgia	41.7410N	45.2865E	915	From 2003-01-01
Niobrara River	NR-NB	Nebraska,U.S.A.	42.8197N	101.7011W	975	
Niobrara River	NR-	Nebraska,U.S.A.	42.8197N	101.7011W	975	
Nioudou	ENTT	Taiwan region	24.6400N	121.5660E	280	
Nirayama	NRY	Shizuoka,Japan	35.0599N	138.9628E	-91	
Nirehara	NRJ	Toyama,Japan	36.5133N	137.2384E	220	
Nishiizu	NSI	Shizuoka,Japan	34.7870N	138.8040E	-422	
Nishinai	K01	Iwate,Japan	39.3989N	141.6053E	431	
Nishlik Lake	N16K	Alaska,U.S.A.	60.4742N	158.7690W	582	From 2016-05-28
Nisiros	NISR	Greece	36.6117N	27.1283E	48	
Nisos Aigina	NAIG	Greece	37.7585N	23.4887E	221	
Nisos Salamina	NSAL	Greece	37.9066N	23.4633E	190	
Nissan Island	NIS	New Britain,Papua New Guinea	4.5300S	154.2383E	10	From 1971-08-01
Nisyros Isl.	NIS1	Greece	36.6023N	27.1782E	378	From 2008-05-24
Nisyros Isl.	NIS2	Greece	36.5780N	27.1808E	400	From 2009-03-23 to 2016-04-21
Nisyros Isl.	NIS3	Greece	36.5742N	27.1557E	271	From 2009-03-23 to 2016-04-21
Nisyros Isl.	NIS4	Greece	36.6717N	27.1314E	0	From 2009-03-23 to 2016-04-21
Niue	NIUE	Niue	19.0763S	169.9272W	108	From 2007-09-20
Niue	NUE	Cook Islands	19.0764S	169.9280W	56	From 1973-04-15
Niukaw	JGN	Gifu,Japan	36.2232N	137.3153E	775	
Niukluk	G15K	Alaska,U.S.A.	64.9941N	164.0386W	249	From 2017-07-16
Niumate	NIU	Tonga	21.1600S	175.2900W	15	
Niza - Manizales, Caldas	NIZA	Colombia	5.0578N	75.4707W	2240	From 2015-07-04
Nizh Angarsk	NIZB	Buryatiya	55.7704N	109.5446E	495	From 2017-07-02
Nizh Angarsk	NIZ	Buryatiya,Russia	55.7750N	109.5411E	487	
Nizhniy Bestyah	NBS	Sakha,Russia	61.9339N	129.8864E	90	From 2006-07-31
Nizip/Gaziantep	NZIP	Turkey	37.0432N	37.6747E	925	From 2016-12-15
Njombe	UWEM	Tanzania	9.4696S	34.7859E	2151	From 2014-06-30 to 2015-11-04
Njombe	NJOM	Tanzania,United Republic of Tanzania	9.3665S	34.7912E	1956	
Nkalisi	NKAL	Tanzania	9.1881S	33.7736E	1551	From 2013-08-09 to 2015-11-04
N'lazarevskaya	NVL	Dronning Maud Land	70.7667S	11.8333E	107	
NLITH	NLITH	Saudi Arabia	20.4320N	40.0191E	100	
NNAL	NNAL	Egypt	23.2931N	32.6645E	266	
N. Norfolk Rd., Cushing	OK034	Oklahoma,U.S.A.	36.0102N	96.7132W	254	From 2015-11-22 to 2017-03-14
No. 579 Westminster Ave.	OTWM	Ontario,Canada	45.3824N	75.7628W	69	From 2001-11-08
NOAA--Sand Point	NOWS	Washington,U.S.A.	47.6867N	122.2559W	2	
Noah's Angus Ranch, Cambridge	H10A	Idaho,U.S.A.	44.5890N	116.7474W	882	From 2006-10-28 to 2008-07-09
Noatak River	D17K	Alaska,U.S.A.	67.6988N	163.0831W	172	From 2017-08-26
Nobeoka	NOB	Miyazaki,Japan	32.5783N	131.6600E	20	
Noboribetsu	JNB	Iburi,Japan	42.4687N	141.0383E	110	
Nobres	NBRS	Mato Grosso	14.3224S	55.7773W	490	From 2016-03-23
Noci	NOCI	Italy	40.7888N	17.0644E	420	From 2005-08-03
Nodinka Narrows	NODN	Northwest Territories,Canada	63.9607N	110.9601W	435	
Noerdlinger Ries-Bissingen	NORI	Bayern,Germany	48.7203N	10.6250E	492	From 2003-06-10
Nogliki	NGLR	Sakhalinskaya Oblast',Russia	51.7830N	143.1260E	11	From 2010-09-18
Nogliki	NGLS	Sakhalinskaya Oblast',Russia	51.8170N	143.1500E	25	From 1964-10-20 to 1995-02-01
Nojiri	NOJ	Kagoshima,Japan	31.5586N	130.6386E	150	
Nojoqui County Park, Las Cruces	NJQ	California,U.S.A.	34.5341N	120.1774W	219	From 2001-11-20
Nola	NL9	Italy	40.9205N	14.5450E	75	From 1992-01-01
Nome	ANM	Alaska,U.S.A.	64.5646N	165.3732W	338	From 2010-06-21
Nome	NOM	Alaska,U.S.A.	64.5617N	165.3870W		
Nome	E31A	North Dakota,U.S.A.	46.5583N	97.8879W	427	From 2010-08-19 to 2012-06-28
Nongkai	NONG	Thailand	18.0635N	103.1457E	140	
Nongplab	NNT	Thailand	12.5898N	99.7338E	106	From 1982-11-01
Nongstoin	NGNA	Meghalaya,India	25.5217N	91.2720E		
Nonn-Bad Reichenhall	RNON	Bayern,Germany	47.7405N	12.8671E	555	From 2000-05-24
Nono	NONO	Ecuador	0.0557S	78.5780W	2972	
Nonsavu	MSVF	Fiji	17.7333S	178.0500E	783	From 1994-05-24
Noodor Dome	H24K	Alaska	65.8371N	147.8781W	814	From 2015-05-27
Noondotu PS	LN45	Tanzania	2.9927S	36.2921E	1063	From 2013-01-20 to 2014-12-04
Nootka	NTKA	British Columbia,Canada	49.5924N	126.6166W	12	From 2013-03-23
Nopah Range	NOP	California,U.S.A.	36.1271N	116.1522W	983	From 1978-07-24 to 2002-12-10
Nora	NRAU	Sweden	59.5706N	15.0400E	150	From 2002-01-29

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Noranda	NRMS	Missouri,U.S.A.	36.4870N	89.5880W	88	
Nor Artik	NARZ	Armenia	40.4650N	43.7160E	1550	
Norcasia	NORC	Colombia	5.5635N	74.8692W	536	
NORCASIA, CALDAS	CNOCA	Colombia	5.5660N	74.8720W	519	From 2012-11-26
Norcia	UNRC	Italy	42.7984N	16.1414E	679	From 2001-06-30
Norcia	NRCA	Italy	42.8336N	13.1143E	927	
Norcia	NCIA	Italy	42.7916N	13.0923E	631	From 2019-12-17
Norcia, Frazione Savelli (PG)	T1213	Italy	42.7249N	13.1258E	859	From 2016-08-24 to 2017-09-24
Nord	NOR	Greenland	81.6000N	16.6833W	36	From 1957-01-01
Nordeng Farm	NBB14	Norway	66.3030N	13.3272E	35	From 2013-08-01 to 2016-06-01
Norderasen	NOD	Sweden	63.4428N	14.8573E	450	
Nordeste	PNOR2	Azores	37.8353N	25.1460W	132	From 2016-04-14
Nordfold	N2NF	Norway	67.7610N	15.2277E	3	From 2013-08-01 to 2016-05-30
Nord Galaele Koma	BEAD	Djibouti	11.5715N	42.5277E	10	From 1987-01-01
Nordlingen	NRD	Bayern,Germany	48.8500N	10.4833E	432	From 1912-01-01 to 1931-12-31
Nordman	NTI	Idaho,U.S.A.	48.6300N	116.9630W	823	From 1967-08-27 to 1975-12-08
Nordsjona	N1R3	Norway	66.3370N	13.4060E	68	
NORESS Array Beam Reference Point	NORES	Norway	60.7353N	11.5414E	302	
NORESS Array Site A0	NRA0	Norway	60.7353N	11.5414E	302	From 1984-10-01 to 2002-06-11
NORESS Array Site A1	NRA1	Norway	60.7366N	11.5423E	291	From 1984-10-01 to 2002-06-11
NORESS Array Site A2	NRA2	Norway	60.7343N	11.5434E	311	From 1984-10-01 to 2002-06-11
NORESS Array Site A3	NRA3	Norway	60.7350N	11.5387E	296	From 1984-10-01 to 2002-06-11
NORESS Array Site B1	NRB1	Norway	60.7381N	11.5426E	299	From 1984-10-01 to 2002-06-11
NORESS Array Site B2	NRB2	Norway	60.7355N	11.5475E	315	From 1984-10-01 to 2002-06-11
NORESS Array Site B3	NRB3	Norway	60.7326N	11.5440E	314	From 1984-10-01 to 2002-06-11
NORESS Array Site B4	NRB4	Norway	60.7333N	11.5372E	299	From 1984-10-01 to 2002-06-11
NORESS Array Site B5	NRB5	Norway	60.7367N	11.5364E	289	From 1984-10-01 to 2002-06-11
NORESS Array Site C1	NRC1	Norway	60.7414N	11.5434E	299	From 1984-10-01 to 2002-06-11
NORESS Array Site C2	NRC2	Norway	60.7383N	11.5525E	339	From 1984-10-01 to 2002-06-11
NORESS Array Site C3	NRC3	Norway	60.7331N	11.5533E	352	From 1984-10-01 to 2002-06-11
NORESS Array Site C4	NRC4	Norway	60.7293N	11.5452E	311	From 1984-10-01 to 2002-06-11
NORESS Array Site C5	NRC5	Norway	60.7301N	11.5341E	299	From 1984-10-01 to 2002-06-11
NORESS Array Site C6	NRC6	Norway	60.7348N	11.5287E	303	From 1984-10-01 to 2002-06-11
NORESS Array Site C7	NRC7	Norway	60.7402N	11.5331E	275	From 1984-10-01 to 2002-06-11
NORESS Array Site D1	NRD1	Norway	60.7486N	11.5449E	305	From 1984-10-01 to 2002-06-11
NORESS Array Site D2	NRD2	Norway	60.7444N	11.5616E	372	From 1984-10-01 to 2002-06-11
NORESS Array Site D3	NRD3	Norway	60.7359N	11.5689E	453	From 1984-10-01 to 2002-06-11
NORESS Array Site D4	NRD4	Norway	60.7271N	11.5633E	379	From 1984-10-01 to 2002-06-11
NORESS Array Site D5	NRD5	Norway	60.7222N	11.5475E	348	From 1984-10-01 to 2002-06-11
NORESS Array Site D6	NRD6	Norway	60.7233N	11.5288E	352	From 1984-10-01 to 2002-06-11
NORESS Array Site D7	NRD7	Norway	60.7302N	11.5162E	337	From 1984-10-01 to 2002-06-11
NORESS Array Site D8	NRD8	Norway	60.7390N	11.5168E	301	From 1984-10-01 to 2002-06-11
NORESS Array Site D9	NRD9	Norway	60.7466N	11.5266E	278	From 1984-10-01 to 2002-06-11
NORESS Array Site E0	NRE0	Norway	60.7353N	11.5414E	307	From 1984-10-01 to 2002-06-11
Norfolk	NRFK	Norfolk Island,Australia	29.0400S	167.9630E	196	
Norfolk Island	NIA	Norfolk Island,Australia	29.0417S	167.9600E	130	From 1969-12-01 to 1977-05-26
Norfolk Island	NFK	Norfolk Island,Australia	29.0433S	167.9388E	203	From 2008-07-10
Noril'sk	NRIS	Krasnoyarskiy Kray,Russia	69.0061N	87.9964E	498	
Noril'sk	NRI	Krasnoyarskiy Kray,Russia	69.4300N	88.0830E	44	
Noril'sk	NRIL	Krasnoyarskiy Kray,Russia	69.5049N	88.4414E	92	
Noril'sk	NRIK	Krasnoyarskiy Kray,Russia	69.3396N	87.5550E	185	From 2010-10-28
Nor Kachakap	SARS	Armenia	40.8467N	44.3483E	1525	
Norman	NMO	Oklahoma,U.S.A.	35.2056N	97.4440W	354	From 1975-01-01 to 1976-09-30
Norman Wells, NWT	NOWN	Northwest Territories,Canada	65.2943N	126.7145W	186	From 2012-08-15
Norrel Spur, Hamburg	Z42A	Arkansas,U.S.A.	33.2739N	91.9474W	39	From 2011-04-19 to 2013-02-17
Norris Canyon Road	CNCM	California,U.S.A.	37.7560N	121.9900W	306	
Norris Junction	NJW	Wyoming,U.S.A.	44.7303N	110.6930W	2290	From 1972-10-01
Norris Junction	YNR	Wyoming,U.S.A.	44.7155N	110.6792W	2336	
Norrtaelje	NRTU	Sweden	59.6769N	18.6308E	40	From 2002-01-15
NORSAR 1A	NA0	Norway	60.8237N	10.8324E	379	From 1971-01-01
NORSAR Array Beam Reference Point	NOA	Norway	61.0397N	11.2148E	717	
NORSAR Array Site 01A00	NAO00	Norway	60.8237N	10.8324E	379	
NORSAR Array Site 01A01	NAO01	Norway	60.8442N	10.8865E	426	
NORSAR Array Site 01A02	NAO02	Norway	60.8057N	10.8971E	362	
NORSAR Array Site 01A03	NAO03	Norway	60.7881N	10.8084E	223	
NORSAR Array Site 01A04	NAO04	Norway	60.8105N	10.7625E	297	
NORSAR Array Site 01A05	NAO05	Norway	60.8507N	10.8193E	290	
NORSAR Array Site 01B00	NBO00	Norway	61.0307N	10.7777E	529	
NORSAR Array Site 01B01	NBO01	Norway	61.0616N	10.7834E	596	
NORSAR Array Site 01B02	NBO02	Norway	61.0492N	10.8569E	521	
NORSAR Array Site 01B03	NBO03	Norway	61.0129N	10.8371E	429	
NORSAR Array Site 01B04	NBO04	Norway	61.0119N	10.7524E	398	
NORSAR Array Site 01B05	NBO05	Norway	61.0597N	10.7219E	553	
Norsar Array Site 01C00	NCO	Norway	61.3371N	10.5856E	974	From 1971-04-01 to 1976-10-31
NORSAR Array Site 02B00	NB200	Norway	61.0397N	11.2148E	717	
NORSAR Array Site 02B01	NB201	Norway	61.0495N	11.2939E	613	
NORSAR Array Site 02B02	NB202	Norway	61.0069N	11.2778E	647	
NORSAR Array Site 02B03	NB203	Norway	61.0107N	11.1677E	730	
NORSAR Array Site 02B04	NB204	Norway	61.0498N	11.1581E	670	
NORSAR Array Site 02B05	NB205	Norway	61.0710N	11.1977E	637	
NORSAR Array Site 02C00	NC200	Norway	61.2807N	10.8354E	847	
NORSAR Array Site 02C01	NC201	Norway	61.2988N	10.9138E	1033	
NORSAR Array Site 02C02	NC202	Norway	61.2545N	10.9110E	2054	
NORSAR Array Site 02C03	NC203	Norway	61.2438N	10.8318E	714	
NORSAR Array Site 02C04	NC204	Norway	61.2759N	10.7629E	851	
NORSAR Array Site 02C05	NC205	Norway	61.3231N	10.8227E	958	
NORSAR Array Site 03C00	NC300	Norway	61.2617N	11.4141E	366	
NORSAR Array Site 03C01	NC301	Norway	61.2762N	11.4905E	290	
NORSAR Array Site 03C02	NC302	Norway	61.2328N	11.4726E	300	
NORSAR Array Site 03C03	NC303	Norway	61.2251N	11.3690E	401	
NORSAR Array Site 03C04	NC304	Norway	61.2784N	11.3320E	393	
NORSAR Array Site 03C05	NC305	Norway	61.2979N	11.4035E	312	
NORSAR Array Site 04C00	NC400	Norway	61.0791N	11.7189E	522	
NORSAR Array Site 04C01	NC401	Norway	61.0804N	11.7994E	583	
NORSAR Array Site 04C02	NC402	Norway	61.0446N	11.7573E	450	
NORSAR Array Site 04C03	NC403	Norway	61.0537N	11.6683E	304	
NORSAR Array Site 04C04	NC404	Norway	61.0982N	11.6456E	332	
NORSAR Array Site 04C05	NC405	Norway	61.1128N	11.7153E	496	
NORSAR Array Site 06C00	NC600	Norway	60.7473N	11.4584E	321	
NORSAR Array Site 06C01	NC601	Norway	60.7746N	11.5416E	248	
NORSAR Array Site 06C02	NC602	Norway	60.7353N	11.5414E	305	
NORSAR Array Site 06C03	NC603	Norway	60.7050N	11.4807E	340	
NORSAR Array site 06C04	NC604	Norway	60.7263N	11.3956E	378	
NORSAR Array Site 06C05	NC605	Norway	60.7770N	11.4103E	242	
NORSAR Subarray 10C Beam Reference Point	N10	Norway	60.4695N	10.2999E	403	From 1971-01-01 to 1976-10-01
NORSAR Subarray 11C Beam Reference Point	N11	Norway	60.6171N	10.2497E	242	From 1971-01-01 to 1976-10-01
NORSAR Subarray 12C Beam Reference Point	N12	Norway	60.7729N	9.9845E	637	From 1971-01-01 to 1976-10-01
NORSAR Subarray 13C Beam Reference Point	N13	Norway	61.0498N	9.8861E	919	From 1971-01-01 to 1976-10-01
NORSAR Subarray 14C Beam Reference Point	N14	Norway	61.1869N	10.2729E	492	From 1971-01-01 to 1976-10-01
NORSAR Subarray 1A Beam Reference Point	NAO	Norway	60.8237N	10.8324E	379	From 1971-01-01
NORSAR Subarray 1B Beam Reference Point	NBO	Norway	61.0307N	10.7777E	529	From 1971-04-01
NORSAR Subarray 2B Beam Reference Point	NB2	Norway	61.0397N	11.2148E	717	From 1971-04-01
NORSAR Subarray 2C Beam Reference Point	NC2	Norway	61.2807N	10.8354E	847	From 1971-04-01
NORSAR Subarray 3B Beam Reference Point	NB3	Norway	60.9130N	11.2696E	529	From 1971-04-01 to 1976-10-31
NORSAR Subarray 3C Beam Reference Point	NC3	Norway	61.2617N	11.4141E	366	From 1971-04-01
NORSAR Subarray 4B Beam Reference Point	NB4	Norway	60.6738N	11.1881E	239	From 1971-04-01 to 1976-10-31
NORSAR Subarray 4C Beam Reference Point	NC4	Norway	61.0791N	11.7189E	522	From 1971-04-01
NORSAR Subarray 5B Beam Reference Point	NB5	Norway	60.6224N	10.8369E	428	From 1971-04-01 to 1976-10-31
NORSAR Subarray 5C Beam Reference Point	NC5	Norway	60.9468N	11.8004E	425	From 1971-04-01 to 1976-10-31
NORSAR Subarray 6B Beam Reference Point	NB6	Norway	60.7300N	10.4589E	630	From 1971-04-01 to 1976-10-31
NORSAR Subarray 6C Beam Reference Point	NC6	Norway	60.7473N	11.4584E	321	From 1971-04-01
NORSAR Subarray 7B Beam Reference Point	NB7	Norway	60.9200N	10.4658E	759	From 1971-04-01 to 1976-10-31
NORSAR Subarray 7C Beam Reference Point	NC7	Norway	60.4553N	11.4988E	221	From 1971-04-01 to 1976-10-31
NORSAR Subarray 8C Beam Reference Point	NC8	Norway	60.4756N	11.0868E	480	From 1971-04-01 to 1976-10-31
NORSAR Subarray 9C Beam Reference Point	NC9	Norway	60.4094N	10.6038E	478	From 1971-04-01 to 1976-10-31
North	AR9	Costa Rica	10.4717N	84.7286W	658	From 1975-07-13
Northam, Northwest	NHAM	South Africa	24.9157S	27.3170E	1014	From 2017-03-27
Northampton	L61B	Massachusetts,U.S.A.	42.4498N	72.6802W	261	From 2013-09-10
North Anna	NA11	Virginia,U.S.A.	37.9831N	77.6850W		

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
North Anna	NA12	Virginia,U.S.A.	37.9882N	77.8770W	134	From 1978-08-01
North Anna	NA2	Virginia,U.S.A.	38.1279N	77.7401W	99	From 1978-10-01 to 1999-08-25
North Anna	NA5	Virginia,U.S.A.	38.0108N	77.7365W	76	From 1978-08-01 to 2004-09-30
North Anna 1	NV1	Virginia,U.S.A.	38.0618N	77.7870W		From 1974-01-01 to 1999-08-25
North Anna 2	NV2	Virginia,U.S.A.	38.0628N	77.8503W		From 1974-01-01 to 1999-08-25
North Anna 3	NV3	Virginia,U.S.A.	38.0983N	77.8093W		From 1974-01-01 to 1999-08-25
North Anna 4	NV4	Virginia,U.S.A.	38.0268N	77.7808W		From 1974-01-01 to 1999-08-25
North Anna 5	NV5	Virginia,U.S.A.	38.0537N	77.7365W		From 1974-01-01 to 1999-08-25
North Anna 6	NV6	Virginia,U.S.A.	38.0913N	77.7782W		From 1974-01-01 to 1999-08-25
North Anna 7	NV7	Virginia,U.S.A.	38.0227N	77.8570W		From 1974-01-01 to 1999-08-25
North Bangong	ST19A	Xizang Zizhiqu,China	32.1034N	89.1948E	4540	From 1998-07-24 to 1999-05-28
North Bangong Suture	ST22	Xizang Zizhiqu,China	32.3326N	89.1163E	4707	From 1998-08-17 to 1999-05-29
North Bay	NBH	Hawaii,U.S.A.	19.4950N	155.5800W	1221	From 1964-03-12 to 1968-07-05
North beach	NRTH	Turkey	40.2530N	29.0420E	3	From 2006-09-29
North Boqe	ST05	Xizang Zizhiqu,China	31.0402N	90.1741E	4836	From 1998-07-16 to 1999-05-30
North Branch	NB-	Minnesota,U.S.A.	45.5328N	92.8475W	259	
North Branch	NB-MN	Minnesota,U.S.A.	45.5328N	92.8475W	259	
North Capps Glacier	NCG	Alaska,U.S.A.	61.4037N	152.1570W	1244	From 1989-08-07
North Carolina A&T Campus	NCAT	North Carolina,U.S.A.	36.0790N	79.7712W	243	
North Crescent	NCT	Alaska,U.S.A.	60.5617N	152.9300W	1166	From 1988-08-14
North Deqen	ST02	Xizang Zizhiqu,China	30.7865N	90.2491E	4801	From 1998-07-17 to 1998-07-24
North Doima	ST28	Xizang Zizhiqu,China	32.8218N	88.8481E	4843	From 1998-07-11 to 1999-06-05
Northeast Doima	ST29	Xizang Zizhiqu,China	32.9343N	88.8532E	4829	From 1998-07-25 to 1999-06-05
Northeast Serting	ST16A	Xizang Zizhiqu,China	31.9196N	89.4203E	4552	From 1998-07-24 to 1999-05-30
North Egmont	NEZ	North Island,New Zealand	39.2702S	174.0957E	920	From 1985-04-17
Northern Antelope Island	NAIU	Utah,U.S.A.	41.0162N	112.2280W	1472	From 1991-11-13
NorthernBC 1	NBC1	British Columbia,Canada	59.6559N	123.8237W	416	From 2013-03-11
NorthernBC 2	NBC2	British Columbia,Canada	59.7779N	122.4878W	487	From 2013-03-13
NorthernBC 3	NBC3	British Columbia,Canada	59.6365N	120.6692W	451	From 2013-03-14
NorthernBC 4	NBC4	British Columbia,Canada	55.6873N	120.6617W	785	From 2013-03-19
NorthernBC 5	NBC5	British Columbia,Canada	57.5231N	122.6777W	1157	From 2013-03-16
NorthernBC 6	NBC6	British Columbia,Canada	58.5839N	121.3339W	440	From 2013-03-16
Northern Marianas College	NMCC	Mariana Islands	15.1500N	145.7160E	100	From 1992-05-01
Northfield	NRT	Vermont,U.S.A.	44.1667N	72.6833W	256	
North Gasline	NGL	Alaska,U.S.A.	60.8208N	149.9980W	122	
North Gisborne	NOZ	North Island,New Zealand	38.6162S	178.0369E	60	From 1989-04-17 to 2004-04-03
North Grampians	GOGM	Victoria,Australia	36.8882S	142.3996E	265	
North Greenland Eemian Ice Drilling site	NEEM	Greenland	77.4450N	51.0650W	2454	From 2007-08-22
North Grip Drilling Camp	NGR	Greenland	75.0010N	42.3148W	2960	
North Hampton	NHS	South Carolina,U.S.A.	33.0717N	79.7556W	10	From 1974-05-20 to 1980-12-31
North Heping	ST25A	Xizang Zizhiqu,China	32.6117N	88.9537E	4806	From 1998-07-26 to 1999-06-05
North Hollywood	HLLC	California,U.S.A.	34.1764N	118.3597W	193	
North Isle of Man	GIM	Isle of Man	54.2923N	4.4670W	366	From 1989-01-01
North Jangngalda	ST35	Xizang Zizhiqu,China	33.4768N	88.7363E	4941	From 1998-07-26 to 1999-06-04
North Kanaga	AD7	Alaska,U.S.A.	51.9000N	177.0900W	244	From 1974-01-01 to 1992-02-01
North Lily Mine	NLU	Utah,U.S.A.	39.9548N	112.0750W	2036	
North Maintong	ST12A	Xizang Zizhiqu,China	31.6400N	89.7888E	4642	From 1998-08-20 to 1998-11-27
North Marawa	ANMR	Egypt	23.7340N	32.5626E	210	
North Mineral Mountain	NMUT	Utah,U.S.A.	38.5165N	112.8500W	1853	From 1987-10-01
North Nagishlamina, Mt. Spurr	SPNN	Alaska,U.S.A.	61.3668N	152.6991W	1666	
North Ngauruhoe	NNVZ	North Island	39.1317S	175.6153E	1501	From 2015-03-27
North-of-Casa	NOCG	California,U.S.A.	37.6875N	118.9190W	2475	From 1984-07-01
NORTH OF DAULE	EC12	Ecuador	0.4099N	79.9824W	53	From 2016-05-12
North of Durango, S17	SCR17	Colorado	37.4504N	107.7914W	2063	
North of Pu`u O`o Crater	NPOC	Hawaii,U.S.A.	19.3930N	155.1096W	726	
North of River	ST37	Xizang Zizhiqu,China	33.6064N	88.5231E	5161	From 1998-07-11 to 1999-06-04
NORTH OF SAN FRANCISCO	EC03	Ecuador	0.6639N	80.0593W	18	From 2016-05-12
north of Sant'Angelo	MZ11	Italy	42.6629N	13.3076E	1231	From 2016-09-20 to 2016-11-17
North Oquirrh Mountains	NOQ	Utah,U.S.A.	40.6525N	112.1200W	1622	
North Padre Island, Corpus Christi	936A	Texas,U.S.A.	27.4208N	97.3091W	-3	From 2010-01-13 to 2011-11-18
North Pahroc Range	NPN	Nevada,U.S.A.	37.6529N	114.9370W	1664	
North Pahute Mesa	NPM	Nevada,U.S.A.	37.3839N	116.3230W	2250	From 1975-09-01
North Palgon	ST11	Xizang Zizhiqu,China	31.5815N	89.9806E	4738	From 1998-07-25 to 1999-06-01
North Pangkog	ST15	Xizang Zizhiqu,China	31.8347N	89.6401E	4577	From 1998-07-20 to 1999-05-31
North Pit	NPH	Hawaii,U.S.A.	19.4120N	155.2810W	1115	From 1958-07-01
North Pocatello Valley	NPI	Idaho,U.S.A.	42.1473N	112.5180W	1640	From 1975-04-01
North Pole	NP-	Northwest Territories,Canada	76.2522N	119.3717W	59	
Northport	Z48A	Alabama,U.S.A.	33.3764N	87.5556W	101	From 2011-04-15 to 2013-02-03
Northport	A10A	Washington,U.S.A.	48.9813N	117.5586W	688	From 2006-08-30 to 2008-06-14
North Rainier Mesa	NRM	Nevada,U.S.A.	37.2744N	116.2060W	2210	From 1975-09-01 to 1981-12-31
North Reno	NRR	Nevada,U.S.A.	39.5720N	119.8490W	1634	From 1964-04-09
Northridge Ranch, Floyd Knobs	R48A	Indiana,U.S.A.	38.4001N	85.8714W	243	From 2011-12-09
North Rim	U15A	Arizona,U.S.A.	36.4280N	112.2915W	2489	From 2007-05-16 to 2010-05-28
North River	NRA	Alaska,U.S.A.	63.8918N	160.5140W	105	From 1976-08-01 to 1978-08-31
North Rockhampton State High School	AUNRC	Queensland,Australia	23.3500S	150.5300E	38	From 2013-08-11
North Saanich	B009	British Columbia,Canada	48.6487N	123.4512W	15	From 2005-09-14
North Saanich	B011	British Columbia,Canada	48.6495N	123.4482W	22	From 2005-09-16
North Saanich	B010	British Columbia,Canada	48.6502N	123.4513W	5	From 2005-07-28
North Scituate	L63A	Rhode Island,U.S.A.	41.8631N	71.6095W	109	From 2013-09-11
North Serting	ST17	Xizang Zizhiqu,China	31.9388N	89.3580E	4591	From 1998-07-24 to 1999-05-30
North Stansbury	NSU	Utah,U.S.A.	40.9082N	112.5060W	1422	From 1976-10-01 to 2004-03-05
North Star Ditch	F15K	Alaska,U.S.A.	65.7077N	164.6483W	388	From 2017-07-18
North Stonington	NSC	Connecticut,U.S.A.	41.4808N	71.8516W	110	From 1977-06-27 to 1999-01-31
North Tanaga	AK0	Alaska,U.S.A.	51.7790N	176.8800W	152	
North Tanaga	AK5	Alaska,U.S.A.	51.8040N	176.8920W	0	
North Tanaga	AT3	Alaska,U.S.A.	51.8067N	177.8200W	350	From 1975-01-01 to 1976-10-31
North Tanaga	AK3	Alaska,U.S.A.	51.8067N	177.8200W	350	From 1976-10-01 to 1992-02-01
North Tongariro	NTVZ	North Island,New Zealand	39.0985S	175.6760E	1260	From 2014-11-06
North Vernon	Q48A	Indiana,U.S.A.	38.9295N	85.7311W	185	From 2012-06-23
Northwest Bangong	ST20	Xizang Zizhiqu,China	32.1677N	89.1416E	4584	From 1998-07-09 to 1999-05-29
Northwest Bangong Suture	ST22A	Xizang Zizhiqu,China	32.3750N	89.0998E	4763	From 1998-07-27 to 1999-06-05
Northwest Mankato	KS23	Kansas,U.S.A.	39.8422N	98.2455W	561	From 2017-06-27 to 2017-11-02
North West River	NWRL	Newfoundland,Canada	53.5253N	60.1424W	6	From 2011-07-21
Northwest Twin Lake	ST31	Xizang Zizhiqu,China	33.1354N	88.8768E	4847	From 1998-07-25 to 1999-06-03
North Woods Club	NWC	New York,U.S.A.	43.8450N	74.1502W		From 1986-10-01
North Xuru	ST08	Xizang Zizhiqu,China	31.2993N	90.0314E	4899	From 1998-07-15 to 1999-06-01
Norton	NNK	Kansas,U.S.A.	39.9363N	100.0420W	732	From 1979-03-01 to 1981-12-31
Norwalk	I40A	Wisconsin,U.S.A.	43.8916N	90.6177W	419	From 2011-08-04 to 2013-06-05
Noshirotokiwa	JNTW	Akita,Japan	40.2718N	140.1613E	42	From 2012-07-01
Nottersdorf	NOTT	Bayern,Germany	49.8110N	12.1223E	490	
Nou	NOUE	Niigata,Japan	37.0480N	138.0309E	240	
Noumea	NOU	New Caledonia	22.3100S	166.4510E	105	From 1960-01-01
Noumea	MVNO	New Caledonia	22.2700S	166.4420E	0	From 2007-01-01
Noumea	NORM	New Caledonia	22.2280S	166.4840E	97	From 2007-01-01
Noumea	ONTRN	New Caledonia	22.3070S	166.4540E	116	From 2007-04-01
Noumea	LASL	New Caledonia	22.2310S	166.5400E	11	From 2007-01-01
Noumea	NOC	New Caledonia	22.2839S	166.4320E	5	From 1986-12-09 to 1987-10-27
NOV1	NOV1	Switzerland	46.3888N	6.8138E	465	From 2010-02-09
NOV2	NOV2	Switzerland	46.3718N	6.8739E	375	From 2010-02-09
NOV3	NOV3	Switzerland	46.4337N	6.9403E	1091	From 2010-02-09
Nova Friburgo	CAM4	Rio de Janeiro,Brazil	22.3568S	42.5653W	2000	
Novalja	NVLJ	Croatia	44.5635N	14.8711E	20	
Nova Mambone, A0295	M0295	Mozambique	21.0062S	34.9597E	9	
Novara	NOV	Sicily,Italy	38.0278N	15.1367E	775	
Nova Varos 1	NOVS	Serbia	43.4485N	19.8216E	0	
Nova Varos 2	NVSS	Serbia	43.5077N	19.7005E	0	
Nova Xavantina-MT	NVXV	Mato Grosso,Brazil	14.7132S	52.3517W	349	From 2010-09-14 to 2012-07-24
Nove Hrady	A086A	Czech Republic	49.8528N	16.1457E	391	From 2015-09-19
Novellara	NOVE	Italy	44.7982N	10.7161E	16	From 2003-05-20
Novi di Modena	NDIM	Italy	44.8873N	10.8987E	18	From 2013-02-08
Novi Di Modena	ROCE	Italy	44.9000N	10.9242E	17	
Novo Acordo - TO	RET14	Tocantins,Brazil	9.9880S	47.6280W	292	From 2012-06-13
Novodnistrovsk	NDNU	Carpathian Mountains	48.5947N	27.3664E	242	From 2006-07-27
Novokhopersk	VRHR	Voronezhskaya Oblast',Russia	51.0955N	41.6246E	137	From 2003-11-01 to 2008-06-18
Novokhopyorsk	VRH	Voronezhskaya Oblast',Russia	51.2025N	41.7215E	98	From 2008-06-19
Novo Lino, Alagoas, Brazil	NVLB	Alagoas,Brazil	9.0256S	35.5721W	220	From 2011-05-22 to 2013-02-24
Novo Planalto, GO, Brazil	RET9	Goias,Brazil	13.2898S	49.7189W	275	From 2008-07-16 to 2012-12-16
Novo Progresso	NPGB	Para,Brazil	7.0454S	55.3579W	266	From 2014-04-30
Novosibirsk	NVS	Novosibirskaya Oblast',Russia	54.8406N	83.2344E	150	

Station Name	*Code*	*Location*	*Geographical Co-ordinates*		*Altitude m*	*Remark*
Novosibirsk	NVSII	Novosibirskaya Oblast',Russia	54.8415N	83.2374E	168	From 1992-07-15
Novosibirsk, NHES, Russia	NHES	Novosibirskaya Oblast',Russia	54.8600N	82.9900E	110	From 2012-02-27
Novy Kostel	NKC	Czech Republic	50.2331N	12.4479E	564	
Nowan	KSNOW	Republic of Korea	37.6863N	127.0694E	130	From 2007-12-12
Nowhere	ST36	Xizang Zizhiqu,China	33.5216N	88.6016E	5070	From 1998-07-11 to 1999-06-04
Nowinta River	J20K	Alaska	64.1767N	154.1467W	314	From 2015-07-01
Now Shahr	NOSH	Iran	36.7000N	51.5000E	0	
NOZA	NOZA	Israel	30.1540N	35.1470E	120	From 1985-11-01 to 1986-02-28
NPLP New Delhi	NPLP	India	28.6376N	77.1693E	215	From 2017-11-27
NPP	NPPZ	Armenia	40.1670N	44.1330E	945	
NRDS	ADM	Nevada,U.S.A.	36.7697N	116.2850W	1033	From 1965-01-01 to 1970-12-31
Nsakai	JNG	Nagano,Japan	36.4067N	138.1000E	930	
NSKAK	NSKAK	Saudi Arabia	30.4948N	40.3413E	100	
NTAIM	NTAIM	Saudi Arabia	28.1774N	38.8714E	100	
Nthalire	NTHA	Malawi	10.3521S	33.6372E	1291	From 2014-07-23 to 2015-11-04
Ntui, CM12	ACM12	Cameroon	4.4810N	11.6340E	452	
Ntumbaw, CM23	ACM23	Cameroon	6.3700N	10.7930E	1862	
Ntumbaw, CM24	ACM24	Cameroon	6.5230N	14.2880E	1003	
Nu aruja	NARJ	Romania	45.8323N	26.7510E	581	
Nubian desert	HMAD	Sudan	19.7642N	33.1421E	346	
Nueva Concepcion	NCS	El Salvador	14.1015N	89.1795W	290	
Nueva Leon, NVL	CNVL	Mexico	32.3985N	115.2110W	936	
Nueva Zelanda, Rincon	ZERI	Costa Rica	10.8670N	85.4040W	658	From 2011-09-20
Nuevo Madin	PMVM	Mexico D.F.	19.5248N	99.2667W	2348	
Nuevo Mundo	NMDO	Cuba	20.5598N	74.9827W	50	From 2015-09-09
Nuku'alofa	NUK	Tonga	21.1320S	175.2070W	10	From 1983-09-05
Nuku Hiva Island	TAOE	Marquesas archipelago	8.8549S	140.1482W	812	From 2004-12-01
Nukus	NUKS	Uzbekistan	42.4561N	59.6073E	84	
Numazu	NUM	Shizuoka,Japan	35.1000N	138.8500E	6	
Numbskull Pass, NTS	NSP	Nevada,U.S.A.	36.7278N	116.2124W	1242	From 1992-09-09
Nunatak	NTK	Alaska,U.S.A.	59.8777N	139.0350W	1050	From 1974-09-09 to 1975-10-31
Nunnelly	V47A	Tennessee,U.S.A.	35.8278N	87.5205W	240	From 2012-01-12
Nunuq Camp, NU	NUNN	Nunavut,Canada	65.2146N	91.0784W	229	From 2007-08-16
Nurek	NRK	Tajikistan	38.4000N	69.3333E		
Nurmija@14rvi	NE61	Finland	60.5090N	24.6490E	105	
Nurmija@14rvi	NUR	Finland	60.5090N	24.6490E	102	From 1957-01-01
Nurota	NUT	Uzbekistan	40.5537N	65.6788E	432	From 1967-01-01
Nurpur	NURP	Himachal Pradesh,India	32.2667N	75.8967E		
Nusco	NSC3	Italy	40.8468N	15.1222E	1300	
Nushagak Hills	N17K	Alaska,U.S.A.	60.5269N	157.1867W	350	From 2017-05-13
Nushagak River	P16K	Alaska,U.S.A.	59.0314N	157.9906W	85	From 2016-05-26
Nutrioso	Y19A	Arizona,U.S.A.	33.9571N	109.2541W	2448	From 2007-04-04 to 2009-02-21
Nuugaatsiaq	NUUG	Greenland	71.5386N	53.2001W	40	From 2010-07-01
Nuuk	NUUK	Greenland,Greenland	64.1800N	51.7300W	10	From 2010-09-09
Nuweibaa	NUB	Egypt	29.0276N	34.6474E	90	
Nuxco	NUXM	Guerrero,Mexico	17.2108N	100.7547W	80	
NWS Agricenter	NAIT	Tennessee,U.S.A.	35.1297N	89.8036W	104	
NY08	NY08	Costa Rica	11.0080N	85.3550W	361	From 2005-11-01 to 2006-07-01
NY10	NY10	Costa Rica	11.0740N	85.5560W	330	From 2005-11-01 to 2006-07-01
NY11	NY11	Costa Rica	10.4998N	85.7253W	150	From 2005-11-01 to 2006-07-01
NY12	NY12	Costa Rica	10.3020N	85.7975W	50	From 2005-11-01 to 2006-07-01
NY13	NY13	Costa Rica	10.1003N	85.7567W	50	From 2005-11-01 to 2006-07-01
NY15	NY15	Costa Rica	10.4370N	85.5980W	0	From 2005-11-01 to 2006-07-01
NY16	NY16	Costa Rica	10.3610N	85.7140W	0	From 2005-11-01 to 2006-07-01
NYA7	NYA7	Costa Rica	10.9378N	85.6822W	100	From 2005-11-01 to 2006-07-01
NYA9	NYA9	Costa Rica	10.5333N	85.3667W	100	From 2005-11-01 to 2006-07-01
Nyabibwe	NYAB	Democratic Republic of the Congo	1.9210S	28.9367E	1976	From 2019-07-10
Nyala	NYA	Sudan	12.0475N	24.9022E	651	From 1980-04-17 to 1982-12-31
Nyarlorinc	PKSN	Hungary	46.8972N	19.8673E	110	
Nyati, Northwest	NYAT	South Africa	25.3675S	27.5669E	1000	From 2017-03-30
Nydri-Lefkada	NYDR	Greece	38.7135N	20.6983E	14	From 2014-09-01
Nye Farm, Monte Vista	S23A	Colorado,U.S.A.	37.7059N	106.0023W	2323	From 2008-06-07 to 2010-06-17
Nyeri	NYRK	Kenya	0.4290S	36.9370E	1902	From 1997-04-01 to 1997-09-30
Nyiragongo Volcano Summit	NYI	Democratic Republic of the Congo	1.5259S	29.2541E	3411	From 2017-06-10
Nykoping	NYK	Sweden	58.9240N	17.0910E	33	From 1980-01-01
Nylenda	INYL	Iceland	63.9740N	22.7380W	7	From 1997-02-06
Nylsvlei,Limpopo Province	NYLS	South Africa	24.6592S	28.7032E	1096	From 2017-07-20
Nynaeshamn	NYNU	Sweden	59.0047N	18.0042E	20	From 2002-01-25
Nyons, 26220, Drome, Rhone-Alpes	A193A	France	44.3712N	5.1476E	390	From 2016-01-27
Nyshivtsy	NDNU1	Ukraine	48.5950N	27.5330E	237	
Nyswonger Mesa	PV16	Colorado,U.S.A.	38.3112N	108.9159W	2025	
Nyvrovo	NVV	Sakhalinskaya Oblast',Russia	54.3170N	142.6170E	5	From 1981-11-01
Nyzhchyi-Ol'chedaiv	NIZO	Ukraine	48.6333N	27.6666E	158	From 1912-09-01 to 1912-12-31
Nyzhne Selyshche	NSLU	Carpathian Mountains	48.1976N	24.4571E	250	From 2008-01-01
Oacoma	I30A	South Dakota,U.S.A.	43.9143N	99.4262W	549	From 2009-06-16 to 2011-07-11
Oahu Island	OA-IS	Hawaii,U.S.A.	21.4575N	157.9964W	183	From 1962-03-30 to 1962-11-05
Oahu Island	OA-	Hawaii,U.S.A.	21.4575N	157.9964W	183	From 1962-03-30 to 1962-11-05
Oakdale	OKDL	New South Wales	34.0705S	150.4808E	504	From 2017-01-31
Oakdale Elementary Sch.	OK009	Oklahoma,U.S.A.	35.5813N	97.4229W	320	
Oakfield	OAK	New York,U.S.A.	43.0570N	78.3372W	259	From 1971-09-01 to 1974-11-30
Oak Flat	WOFM	California,U.S.A.	35.5354N	118.7135W	1306	
Oak Grove	OKG	Tennessee,U.S.A.	35.6260N	89.8350W	129	From 1975-06-27 to 1992-02-29
Oak Harbor	OHW	Washington,U.S.A.	48.3233N	122.5320W	54	From 1975-05-16
Oakhill	ONH	New Hampshire,U.S.A.	43.2792N	71.5056W	280	From 1975-12-01
Oakley	Q29A	Kansas,U.S.A.	38.8905N	100.9787W	895	From 2009-05-12 to 2011-03-21
Oak Ridge	ORT	Tennessee,U.S.A.	35.9095N	84.3048W	370	From 1967-06-01
Oak Springs Butte	OB2NV	Nevada,U.S.A.	37.2253N	116.0578W	1542	
Oak Springs Butte	OB-NV	Nevada,U.S.A.	37.2358N	116.0525W	1731	
Oak Springs Butte	OB3NV	Nevada,U.S.A.	37.2325N	116.0542W	1609	
Oakton	HMDN	Kentucky	36.7050N	89.1327W	89	From 1990-05-24
Oakton	LAVM	Kentucky	36.6635N	89.0840W	86	From 1991-05-05 to 1992-02-05
Oakville Experimental Vineyard	OAKV	California	38.4306N	122.4108W	118	From 2018-09-01
Oak Wood Farm, Albion	L38A	Iowa,U.S.A.	42.1410N	92.9597W	300	From 2010-11-09 to 2012-08-28
Oamaru	OMZ	South Island,New Zealand	45.0689S	170.9148E	95	From 1969-10-16 to 1990-07-31
Oasis	OAS	Antofagasta,Chile	23.2006S	69.7139W	1340	
Oasis-Bungera	OBA	Queen Mary Land	66.1667S	100.7330E	24	
Oasis Ranch, Spearman	U29A	Texas,U.S.A.	36.4519N	101.2702W	928	From 2009-04-20 to 2011-03-13
Oat Mountain	OAT	California,U.S.A.	34.3436N	118.6144W	1089	
Oaxaca	PXO	Oaxaca,Mexico	15.7478N	96.3030W	25	
Oaxaca	LAGM	Oaxaca,Mexico	16.1042N	97.0778W	201	
Oaxaca	OXBJ	Oaxaca,Mexico	17.0673N	96.7240W	1700	From 2009-02-16
Oaxaca	OAX	Oaxaca,Mexico	17.0203N	96.7628W	1570	
Oaxaca	OXIG	Oaxaca	17.0725N	96.7329W	1737	From 1994-03-02
Oaxaca	AZO	Oaxaca,Mexico	15.9660N	97.4080W		
Oaxaca	YOO	Oaxaca,Mexico	17.7500N	97.8250W	1600	
Oaxaca	OXX	Oaxaca,Mexico	17.0817N	96.7233W	1730	From 1984-01-01
Oaxaca	GUO	Oaxaca,Mexico	16.0987N	97.0610W	244	
Oaxaca	OXLC	Oaxaca	17.0650N	96.7033W	1700	
Obama	SWAJ	Nagasaki,Japan	32.6775N	130.2022E	257	
Oban	OBZ	Stewart Island,New Zealand	46.9034S	168.1154E	26	From 1976-09-17 to 1993-10-31
Obara	JAO	Gifu,Japan	35.2667N	137.2583E	600	
Oberaar-Guttannen, Baeregghuette, BE	GSF02	Switzerland	46.5496N	8.2836E	2455	From 2015-10-12 to 2017-08-16
Obere Abschlacht, ILLGRABEN, VS	ILL13	Switzerland	46.2970N	7.6274E	735	From 2018-05-14
Obergeiendorf	GEIDO	Thuringen	50.7353N	12.1999E	341	From 2017-10-12
Obergoms, Fort Galenhuetten Furkastrasse, VS	GSF03	Switzerland	46.5774N	8.3910E	2403	From 2015-10-23
Obergurgl	OGA	Austria	46.8678N	11.0253E	1934	From 1975-09-01
Oberlauterbach	A357B	Germany	48.7026N	11.9466E	434	From 2016-09-01
Oberlin	OBK	Kansas,U.S.A.	39.9288N	100.4390W	792	From 1979-03-01 to 1981-12-31
Obersdorf, Schattenberg	A105A	Germany	47.4070N	10.2934E	890	From 2015-11-09
Oberstdorf	OBER	Bayern,Germany	47.4070N	10.2934E	1000	From 2002-03-18
Obertriebel	TRIB	Sachsen,Germany	50.3517N	12.1370E	510	From 2001-12-19
Obi Garm	OBG	Tajikistan	38.7167N	69.7167E	1350	
Obihiro	OBI	Tokachi,Japan	42.9200N	143.2167E	39	
Obion	NCHT	Tennessee	36.2647N	89.1207W	110	From 1989-10-25 to 1992-03-16
Obir	OBKA	Austria	46.5092N	14.5489E	1074	
Obispado Ponce	OBIP	Puerto Rico	18.0428N	66.6062W	102	
Obninsk	OBN	Kaluzhskaya Oblast',Russia	55.1138N	36.5687E		
Obo	OBOS	Magadanskaya Oblast',Russia	61.8000N	149.7700E	440	From 1977-01-01
Obock	OBO	Djibouti	11.9853N	43.2917E	40	From 1973-06-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Obonuco	OBVZ	Colombia	1.2033N	77.3227W	3010	
OBS 01	OB01	Maule	33.4060S	72.2998W	-2073	
OBS01, N0701	NRT01	Gulf of Cadiz	37.0500N	11.4500W	-5100	
OBS 02	OB02	Maule	33.7147S	72.4495W	-1608	
OBS02, N0702	NRT02	Gulf of Cadiz	37.0260N	10.7340W	-2270	
OBS 03	OB03	Maule	34.0257S	72.6015W	-2112	
OBS03, N0703	NRT03	Gulf of Cadiz	37.1000N	10.2300W	-3932	
OBS04	NRT04	Gulf of Cadiz	36.9518N	9.7018W	-1993	
OBS 04	OB04	Maule	34.3317S	72.7483W	-2252	
OBS 05	OB05	Maule	34.0733S	72.9995W	-4557	
OBS05, N0705	NRT05	Gulf of Cadiz	36.7300N	10.5500W	-3095	
OBS06	NRT06	Gulf of Cadiz	36.7085N	9.9690W	-2956	
OBS 06	OB06	Maule	33.8145S	73.1885W	-5403	
OBS 07	OB07	Maule	33.8643S	73.6480W	-4135	
OBS08	NRT08	Gulf of Cadiz	36.3976N	10.9212W	-4671	
OBS 08	OB08	Maule	34.1727S	73.7978W	-4028	
OBS 09	OB09	Maule	34.1255S	73.3998W	-4760	
OBS09, N0709	NRT09	Gulf of Cadiz	36.3700N	10.2600W	-4811	
OBS10	NRT10	Gulf of Cadiz	36.2499N	8.6014W	-2067	
OBS 10	OB10	Maule	34.3822S	73.1482W	-3723	
OBS11	NRT11	Gulf of Cadiz	36.0655N	11.2728W	-4855	
OBS 11	OB11	Maule	34.6412S	72.8983W	-2584	
OBS12	NRT12	Gulf of Cadiz	36.0805N	10.5899W	-4860	
OBS 12	OB12	Maule	34.6905S	73.3000W	-3510	
OBS 13	OB13	Maule	34.4325S	73.5483W	-4960	
OBS 139	CR139	Pacific Ocean, West of Costa Rica	9.2170N	84.5585W	-379	From 2002-04-11 to 2002-10-01
OBS13, N0713	NRT13	Gulf of Cadiz	36.0200N	10.0200W	-4494	
OBS14	NRT14	Gulf of Cadiz	36.0007N	9.4003W	-2439	
OBS 14	OB14	Maule	34.4823S	73.9463W	-3822	
OBS 140	CR140	Pacific Ocean, West of Costa Rica	9.1670N	84.6332W	-939	From 2002-04-11 to 2002-10-01
OBS 141	CR141	Pacific Ocean, West of Costa Rica	9.2163N	84.6832W	-351	From 2002-04-11 to 2002-10-01
OBS 14S	CR14S	Pacific Ocean, West of Costa Rica	9.3332N	84.8833W	-1741	From 2002-04-11 to 2002-10-01
OBS15	NRT15	Gulf of Cadiz	35.9985N	8.7997W	-3357	
OBS 15	CR15	Pacific Ocean, West of Costa Rica	9.2443N	84.6008W	-114	
OBS 15	OB15	Maule	34.7398S	73.6990W	-5239	
OBS16	NRT16	Gulf of Cadiz	35.9496N	8.2505W	-2069	
OBS 16	OB16	Maule	34.9330S	73.4497W	-3699	
OBS 16	CR16	Pacific Ocean, West of Costa Rica	9.1663N	84.6337W	-944	From 2002-04-11 to 2002-10-01
OBS 17	OB17	Maule	34.9503S	73.0493W	-2032	
OBS17, N0717	NRT17	Gulf of Cadiz	35.7780N	10.9390W	-4765	
OBS18	NRT18	Gulf of Cadiz	35.7113N	10.3390W	-4605	
OBS 18	OB18	Maule	35.2582S	73.2025W	-2080	
OBS 18	CR18	Pacific Ocean, West of Costa Rica	9.1567N	84.8265W	-827	From 2002-04-11 to 2002-10-01
OBS19	NRT19	Gulf of Cadiz	35.6325N	9.7505W	-4287	
OBS 19	OB19	Maule	35.5673S	73.3570W	-1538	
OBS 193	CR193	Pacific Ocean, West of Costa Rica	9.3332N	85.1010W	-1880	From 2002-04-11 to 2002-10-01
OBS 194	CR194	Pacific Ocean, West of Costa Rica	9.4670N	84.8750W	-560	From 2002-04-11 to 2002-10-01
OBS 195	CR195	Pacific Ocean, West of Costa Rica	9.4667N	84.7500W	-324	From 2002-04-11 to 2002-10-01
OBS 196	CR196	Pacific Ocean, West of Costa Rica	9.3578N	84.7510W	-413	From 2002-04-11 to 2002-10-01
OBS 197S	C197S	Pacific Ocean, West of Costa Rica	9.3333N	84.8830W	-1745	From 2002-04-11 to 2002-10-01
OBS 198	CR198	Pacific Ocean, West of Costa Rica	9.2497N	84.7333W	-291	From 2002-04-11 to 2002-10-01
OBS 199	CR199	Pacific Ocean, West of Costa Rica	9.1990N	84.7828W	-734	From 2002-04-11 to 2002-10-01
OBS 19S	CR19S	Pacific Ocean, West of Costa Rica	8.9829N	84.8330W	-2206	From 2002-04-11 to 2002-10-01
OBS20	NRT20	Gulf of Cadiz	35.5981N	9.0995W	-3449	
OBS 20	OB20	Maule	35.8245S	73.1108W	-538	
OBS 20	CR20	Pacific Ocean, West of Costa Rica	8.8335N	84.8333W	-3473	
OBS 200	CR200	Pacific Ocean, West of Costa Rica	9.1570N	84.8267W	-824	
OBS 201S	C201S	Pacific Ocean, West of Costa Rica	9.1655N	84.9343W	-2080	From 2002-04-11 to 2002-10-01
OBS 202	CR202	Pacific Ocean, West of Costa Rica	9.0320N	84.9340W	-2237	From 2002-04-11 to 2002-10-01
OBS 203	CR203	Pacific Ocean, West of Costa Rica	8.9662N	85.0833W	-3561	From 2002-04-11 to 2002-10-01
OBS 204	CR204	Pacific Ocean, West of Costa Rica	8.8333N	84.8333W	-3474	From 2002-04-11 to 2002-10-01
OBS 205	CR205	Pacific Ocean, West of Costa Rica	9.0000N	84.8333W	-2210	From 2002-04-11 to 2002-10-01
OBS 206S	C206S	Pacific Ocean, West of Costa Rica	9.0333N	84.7168W	-1726	From 2002-04-11 to 2002-10-01
OBS 207	CR207	Pacific Ocean, West of Costa Rica	9.1153N	84.7155W	-1159	From 2002-04-11 to 2002-10-01
OBS 208	CR208	Pacific Ocean, West of Costa Rica	9.0883N	84.5698W	-1155	From 2002-04-11 to 2002-10-01
OBS 209	CR209	Pacific Ocean, West of Costa Rica	9.0373N	84.6523W	-1615	From 2002-04-11 to 2002-10-01
OBS21	NRT21	Gulf of Cadiz	35.6456N	8.6005W	-2566	
OBS 21	CR21	Pacific Ocean, West of Costa Rica	8.9672N	85.0842W	-3602	From 2002-04-11 to 2002-10-01
OBS 21	OB21	Maule	35.4627S	72.9303W	-438	
OBS 210	CR210	Pacific Ocean, West of Costa Rica	8.9930N	84.6318W	-1202	From 2002-04-11 to 2002-10-01
OBS 211	CR211	Pacific Ocean, West of Costa Rica	9.0167N	84.5743W	-1411	From 2002-04-11 to 2002-10-01
OBS 212	CR212	Pacific Ocean, West of Costa Rica	9.0383N	84.6022W	-1326	From 2002-04-11 to 2002-10-01
OBS 22	OB22	Maule	35.2077S	72.8025W	-670	
OBS22, N0722	NRT22	Gulf of Cadiz	35.3500N	10.4000W	-4095	
OBS 23	OB23	Maule	35.0020S	72.8875W	-1406	
OBS23, N0723	NRT23	Gulf of Cadiz	35.1170N	9.2850W	-3747	
OBS24	NRT24	Gulf of Cadiz	36.5315N	9.2819W	-2439	
OBS 24	OB24	Maule	34.8987S	72.5835W	-976	
OBS25	NRT25	Gulf of Cadiz	36.3597N	9.5714W	-3234	
OBS 25	OB25	Maule	34.6713S	72.7372W	-879	
OBS 26	OB26	Maule	34.5913S	72.4987W	-1212	
OBS 27	OB27	Maule	34.3837S	72.5993W	-1864	
OBS 28	OB28	Maule	34.2828S	72.3495W	-743	
OBS 29	OB29	Maule	33.9725S	72.1997W	-689	
OBS 30	OB30	Maule	33.6645S	72.0493W	-335	
OBS 301	CR301	Pacific Ocean, West of Costa Rica	9.2593N	84.5005W	-311	From 2002-10-01 to 2003-04-01
OBS 302	CR302	Pacific Ocean, West of Costa Rica	9.2618N	84.3580W	-326	From 2002-10-01 to 2003-04-01
OBS 303	CR303	Pacific Ocean, West of Costa Rica	9.1393N	84.3858W	-656	From 2002-10-01 to 2003-04-01
OBS 304	CR304	Pacific Ocean, West of Costa Rica	9.0302N	84.4135W	-1156	From 2002-10-01 to 2003-04-01
OBS 305S	C305S	Pacific Ocean, West of Costa Rica	9.0835N	84.5067W	-1038	From 2002-10-01 to 2003-04-01
OBS 306	CR306	Pacific Ocean, West of Costa Rica	9.1177N	84.7165W	-1157	From 2002-10-01 to 2003-04-01
OBS 307S	C307S	Pacific Ocean, West of Costa Rica	8.8338N	84.8327W	-3488	From 2002-10-01 to 2003-04-01
OBS 308	CR308	Pacific Ocean, West of Costa Rica	8.6533N	84.5463W	-2167	From 2002-10-01 to 2003-04-01
OBS 309S	C309S	Pacific Ocean, West of Costa Rica	8.5800N	84.3798W	-2840	From 2002-10-01 to 2003-04-01
OBS 310	CR310	Pacific Ocean, West of Costa Rica	8.7635N	84.3860W	-1849	From 2002-10-01 to 2003-04-01
OBS 311	CR311	Pacific Ocean, West of Costa Rica	8.7710N	84.5100W	-2550	From 2002-10-01 to 2003-04-01
OBS 312	CR312	Pacific Ocean, West of Costa Rica	8.8802N	84.5802W	-2613	From 2002-10-01 to 2003-04-01
OBS 313	CR313	Pacific Ocean, West of Costa Rica	8.8842N	84.4715W	-1993	From 2002-10-01 to 2003-04-01
OBS 314	CR314	Pacific Ocean, West of Costa Rica	8.9610N	84.4640W	-1617	From 2002-10-01 to 2003-04-01
OBS 315	CR315	Pacific Ocean, West of Costa Rica	8.8758N	84.3433W	-1312	From 2002-10-01 to 2003-04-01
OBS 316S	C316S	Pacific Ocean, West of Costa Rica	8.9647N	84.3173W	-909	From 2002-10-01 to 2003-04-01
OBS 317	CR317	Pacific Ocean, West of Costa Rica	9.0600N	84.2800W	-519	From 2002-10-01 to 2003-04-01
OBS 318	CR318	Pacific Ocean, West of Costa Rica	9.1755N	84.2545W	-354	From 2002-10-01 to 2003-04-01
OBS 319	CR319	Pacific Ocean, West of Costa Rica	9.0527N	84.1957W	-283	From 2002-10-01 to 2003-04-01
OBS 320	CR320	Pacific Ocean, West of Costa Rica	9.0013N	84.1815W	-220	From 2002-10-01 to 2003-04-01
OBS 321	CR321	Pacific Ocean, West of Costa Rica	8.8948N	84.2033W	-284	From 2002-10-01 to 2003-04-01
OBS 322	CR322	Pacific Ocean, West of Costa Rica	8.7902N	84.2600W	-796	From 2002-10-01 to 2003-04-01
OBS 323	CR323	Pacific Ocean, West of Costa Rica	8.7953N	84.1648W	-206	From 2002-10-01 to 2003-04-01
OBS 38	CR38	Pacific Ocean, West of Costa Rica	9.2395N	84.9437W	-1752	From 2002-04-11 to 2002-10-01
OBS 39	CR39	Pacific Ocean, West of Costa Rica	9.0880N	85.0427W	-2496	
OBS 40	CR40	Pacific Ocean, West of Costa Rica	8.8888N	84.9738W	-3420	From 2002-04-11 to 2002-10-01
OBS 41	CR41	Pacific Ocean, West of Costa Rica	8.9340N	84.7238W	-2615	From 2002-04-11 to 2002-10-01
OBS 42	CR42	Pacific Ocean, West of Costa Rica	9.0845N	84.6502W	-1481	From 2002-04-11 to 2002-10-01
Observation Rock	OBSR	Washington,U.S.A.	46.8997N	121.8153W	2382	
Observatoire de Paris	OBP	France	48.8364N	2.3363E		
Observatorio Astronmico de Quito, Ejido, Itchimbia, Quito, Ecuador	OBSA	Ecuador	0.2148S	78.5028W	2823	From 2017-07-13
Observatory	POB1	Scotland,United Kingdom	55.8458N	4.4299W	34	From 1992-01-01
Observatory	OBSV	South Africa	26.1835S	28.0742E	780	From 2009-10-19
Observatory Ledge	OBL	Hawaii,U.S.A.	19.4175N	155.2840W	1107	
Obsidian Butte	OBB	California,U.S.A.	33.1673N	115.6370W	-59	From 1973-04-16
OBS LD03	LD03	Tonga	19.9510S	177.3260W	-2844	
OBS LD05	LD05	Fiji	16.5840S	177.0470W	-2770	
OBS LD09	LD09	Niue	17.4110S	173.7190W	-1325	
OBS LD10	LD10	Fiji	18.3090S	177.9590W	-2584	
OBS LD12	LD12	Fiji	18.3800S	177.3010W	-2647	
OBS LD14	LD14	Fiji	18.4320S	176.7320W	-2444	
OBS LD17	LD17	Tonga	18.5240S	176.1050W	-2522	
OBS LD19	LD19	Tonga	18.6000S	175.4080W	-2439	
OBS LD21	LD21	Tonga	18.6710S	174.6800W	-1473	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
OBS LD23	LD23	Tonga	18.7370S	173.6500W	-2414	
OBS LD25	LD25	Tonga	18.7750S	172.9270W	-5181	
OBS LD27	LD27	Tonga	18.8720S	171.9270W	-4745	
OBS LW01	LW01	Tonga	22.0770S	179.5630W	-1988	
OBS LW06	LW06	Samoa Islands	16.0790S	174.0010W	-1254	
OBS LW07	LW07	Fiji	15.3490S	178.5000W	-1804	
OBS LW11	LW11	Fiji	18.3440S	177.6730W	-2457	
OBS LW13	LW13	Fiji	18.4280S	176.9190W	-2431	
OBS LW15	LW15	Tonga	18.4710S	176.5000W	-2570	
OBS LW18	LW18	Tonga	18.5490S	175.7790W	-2064	
OBS LW20	LW20	Tonga	18.6290S	175.0210W	-2108	
OBS LW22	LW22	Tonga	18.7000S	174.3710W	-1266	
OBS LW24	LW24	Tonga	18.7410S	173.3610W	-4957	
OBS LW26	LW26	Niue	18.7970S	172.3740W	-5068	
OBS LW28	LW28	Niue	18.9160S	171.4330W	-5382	
OBS LW30	LW30	Niue	19.0050S	170.4010W	-4912	
OBS NB03	NB03	Pacific Ocean, West of Costa Rica	9.6994N	86.1593W	-3762	From 1999-12-16 to 2000-06-18
OBS NB04	NB04	Pacific Ocean, West of Costa Rica	9.7001N	86.2984W	-4135	From 1999-12-16 to 2000-06-18
OBS NB05	NB05	Pacific Ocean, West of Costa Rica	9.8754N	86.1998W	-3103	From 1999-12-16 to 2000-06-18
OBS NB06	NB06	Pacific Ocean, West of Costa Rica	9.7837N	86.0250W	-2375	From 1999-12-16 to 2000-06-18
OBS NB07	NB07	Pacific Ocean, West of Costa Rica	9.6836N	85.9423W	-2299	From 1999-12-16 to 2000-06-18
OBS NB08	NB08	Pacific Ocean, West of Costa Rica	9.7199N	85.7615W	-1276	From 1999-12-16 to 2000-06-18
OBS NB09	NB09	Pacific Ocean, West of Costa Rica	9.8403N	85.9000W	-1465	From 1999-12-16 to 2000-06-18
OBS NB10	NB10	Pacific Ocean, West of Costa Rica	9.9500N	85.9996W	-1305	From 1999-12-16 to 2000-06-18
OBS NB11	NB11	Pacific Ocean, West of Costa Rica	10.0503N	85.9004W	-420	From 1999-12-16 to 2000-06-18
OBS NB12	NB12	Pacific Ocean, West of Costa Rica	9.9203N	85.8001W	-229	From 1999-12-16 to 2000-06-18
OBS NB13	NB13	Pacific Ocean, West of Costa Rica	9.8300N	85.6801W	-102	From 1999-12-16 to 2000-06-18
OBS NB14	NB14	Pacific Ocean, West of Costa Rica	9.7501N	85.5499W	-108	From 1999-12-16 to 2000-06-18
OBS O095	O095	Pacific Ocean, West of Nicaragua	11.1400N	86.8090W	-188	From 2005-12-01 to 2006-06-01
OBS O096	O096	Pacific Ocean, West of Nicaragua	10.9290N	86.6790W	-405	From 2005-12-01 to 2006-06-01
OBS O097	O097	Pacific Ocean, West of Nicaragua	10.8290N	86.9000W	-2344	From 2005-12-01 to 2006-06-01
OBS O098	O098	Pacific Ocean, West of Costa Rica	10.7090N	86.6850W	-1309	From 2005-12-01 to 2006-06-01
OBS O099	O099	Pacific Ocean, West of Costa Rica	10.7600N	86.4830W	-209	From 2005-12-01 to 2006-06-01
OBS O100	O100	Pacific Ocean, West of Costa Rica	10.7890N	86.1810W	-193	From 2005-12-01 to 2006-06-01
OBS O101	O101	Pacific Ocean, West of Costa Rica	10.5700N	86.2600W	-255	From 2005-12-01 to 2006-06-01
OBS O102	O102	Pacific Ocean, West of Costa Rica	10.5700N	86.4700W	-924	From 2005-12-01 to 2006-06-01
OBS O104	O104	Pacific Ocean, West of Costa Rica	10.4990N	86.9010W	-4919	From 2005-12-01 to 2006-06-01
OBS O106	O106	Pacific Ocean, West of Costa Rica	10.2090N	86.4810W	-3435	From 2005-12-01 to 2006-06-01
OBS O107	O107	Pacific Ocean, West of Costa Rica	10.3890N	86.4810W	-2175	From 2005-12-01 to 2006-06-01
OBS O108	O108	Pacific Ocean, West of Costa Rica	10.3890N	86.2600W	-904	From 2005-12-01 to 2006-06-01
OBS O109	O109	Pacific Ocean, West of Costa Rica	10.2100N	86.2590W	-1668	From 2005-12-01 to 2006-06-01
OBS O110	O110	Pacific Ocean, West of Costa Rica	10.2760N	86.0790W	-212	From 2005-12-01 to 2006-06-01
OBS O111	O111	Pacific Ocean, West of Costa Rica	10.1200N	85.9300W	-248	From 2005-12-01 to 2006-06-01
OBS O113	O113	Pacific Ocean, West of Costa Rica	9.8210N	85.9500W	-1762	From 2005-12-01 to 2006-06-01
OBS O114	O114	Pacific Ocean, West of Costa Rica	9.9400N	85.8200W	-316	From 2005-12-01 to 2006-06-01
OBS, OS01	VOS01	Vanuatu	15.5416S	166.5333E	-2332	
OBS, OS02	VOS02	Vanuatu	15.7004S	166.5835E	-3082	
OBS, OS03	VOS03	Vanuatu	15.8239S	166.4328E	-3656	
OBS, OS04	VOS04	Vanuatu	15.8505S	166.6749E	-2439	
OBS, OS05	VOS05	Vanuatu	15.8088S	166.9092E	-1232	
OBS, OS06	VOS06	Vanuatu	16.0004S	166.7998E	-1792	
OBS, OS07	VOS07	Vanuatu	15.9833S	166.9835E	-1272	
OBS, OS08	VOS08	Vanuatu	15.8087S	167.0497E	-759	
OBS, OS09	VOS09	Vanuatu	16.1749S	166.8338E	-4195	
OBS, OS10	VOS10	Vanuatu	16.1838S	167.0333E	-3454	
OBS SS01	CSS01	Pacific Ocean, West of Costa Rica	8.5183N	84.2930W	-2580	From 1999-09-24 to 1999-12-05
OBS SS02	CSS02	Pacific Ocean, West of Costa Rica	8.4169N	84.2665W	-2120	From 1999-09-24 to 1999-10-20
OBS SS03	CSS03	Pacific Ocean, West of Costa Rica	8.4085N	84.0867W	-2263	From 1999-09-24 to 1999-12-05
OBS SS10	CSS10	Pacific Ocean, West of Costa Rica	8.5214N	84.1315W	-1587	From 1999-09-24 to 1999-12-04
OBS SS12	CSS12	Pacific Ocean, West of Costa Rica	8.6050N	84.2165W	-1692	From 1999-09-24 to 1999-12-04
OBS SS14	CSS14	Pacific Ocean, West of Costa Rica	8.6450N	84.0534W	-203	From 1999-09-24 to 1999-12-04
OBS SS15	CSS15	Pacific Ocean, West of Costa Rica	8.5101N	83.9917W	-780	From 1999-09-26 to 1999-10-21
OBS SS16	CSS16	Pacific Ocean, West of Costa Rica	8.6100N	83.9247W	-74	From 1999-09-26 to 1999-04-12
OBS SS17	CSS17	Pacific Ocean, West of Costa Rica	8.7571N	84.0084W	-98	From 1999-09-26 to 1999-04-12
OBS SS18	CSS18	Pacific Ocean, West of Costa Rica	8.8333N	84.1532W	-109	From 1999-09-26 to 1999-04-12
OBS SS20	CSS20	Pacific Ocean, West of Costa Rica	8.8132N	83.8932W	-67	From 1999-09-26 to 1999-04-12
OBS SS21	CSS21	Pacific Ocean, West of Costa Rica	8.9766N	83.8928W	-85	From 1999-09-26 to 1999-04-12
O'Byrne Ferry	MOYM	California,U.S.A.	37.9000N	120.5670W	176	From 1972-04-19
Ocana	OCAC	Colombia	8.2388N	73.3193W	1264	
Ocara	OCBR	Ceara,Brazil	4.5813S	38.2921W	140	From 2007-01-01
Occhiobello (RO)	CAS01	Italy	44.9293N	11.5771E	5	From 2012-05-23
Ocean Bottom Seismometer	OBS	California,U.S.A.	38.0920N	124.5440W	-3840	From 1966-01-01 to 1972-12-31
Ocean Falls	OFB	British Columbia,Canada	52.3540N	127.6843W	75	
Ocean Seismic Network, Sensor 1	OSNP1	Hawaii	19.3424N	159.0938W	-4400	
Ocean Seismic Network, Sensor 2, OSN1B	OSNP2	Hawaii	19.3424N	159.0938W	-4150	
Ocean Seismic Network, Sensor 3, OSN1S	OSNP3	Hawaii	19.3424N	159.0938W	-4150	
Oceanview	VEW	South Carolina,U.S.A.	32.7177N	79.9415W	-60	
Oceanview Est	OVEH	Hawaii,U.S.A.	19.1535N	155.7653W	1378	
Ochomogo	OCM	Costa Rica	9.8948N	83.9608W	1660	
Ochoppi	061Z	Florida,U.S.A.	25.8657N	80.9070W	9	From 2012-05-14
Ochtendung	OCHT	Germany	50.3387N	7.3575E	140	
Ockenheim	GWBO	Rheinland-Pfalz	49.9360N	7.9876E	286	From 2015-12-17
O'Connell Ranch	HORM	California,U.S.A.	36.9172N	121.5080W	98	From 1967-06-26
O'Connell Ranch	OCR	California,U.S.A.	36.9172N	121.5080W	98	From 1967-06-26
Ocos	OCG	Guatemala	14.5655N	92.1217W	8	From 1984-03-01 to 1988-12-31
Ocos 2	OC2	Guatemala	14.5605N	92.1862W	5	From 1986-07-01
Ocozocoautla	OZC	Chiapas,Mexico	16.7850N	93.3730W	864	
Ocre	AKR	Italy	42.3045N	13.4411E	739	From 2009-05-10
Octopus Mountain	OCWA	Washington,U.S.A.	47.7489N	124.1781W	671	
Octopus West	OOW	Washington,U.S.A.	47.7367N	124.1890W	743	
Ocu, Herrera	OCU3	Panama	7.9450N	80.7760W	150	From 2010-01-01
OCUMARITO	OCUV	Venezuela	10.1164N	66.8000W	248	From 2004-10-08
Oda	JJO	Shimane,Japan	35.1683N	132.5033E	60	
Odare	ODAN	Nepal	26.8600N	87.3900E	2045	From 1994-04-01
Odawara	JOD	Kanagawa,Japan	35.2648N	139.0908E	360	
Odawara 2	JOD2	Kanagawa,Japan	35.2632N	139.0882E	380	
Odda	ODD	Norway	59.9500N	6.6670E	630	From 1984-11-01 to 1987-12-02
Odda	ODD1	Norway	59.9120N	6.6280E	684	From 1987-12-03
Odemis-Izmir	ODEM	Turkey	38.2762N	28.0747E	797	From 2018-05-04
Odesa	NE56	Ukraine	46.6760N	30.8990E	30	
Odessa	ODS	Washington,U.S.A.	47.3067N	118.7450W	524	From 1969-03-01
Odessa	ODSA	Texas,U.S.A.	32.1201N	102.5491W	943	From 2016-12-17
Odessa Site #2	OD2	Washington,U.S.A.	47.3910N	118.7110W	590	From 1989-06-01
Odiongan	OTPR	Luzon,Philippines	12.3620N	122.0210E	120	
Odiongan	OTRP	Panay,Philippines	12.3620N	122.0210E	120	
Od Khalfella	OKL	Morocco	32.2030N	9.1390W	122	
Odobesti	ODBI	Romania	45.7633N	27.0558E	181	From 2007-09-13
Odobesti	ODB	Romania	45.7747N	27.0561E	140	From 1979-01-01 to 1989-01-01
ODP1027	NC27	British Columbia,Canada	47.7627N	127.7579W	-2656	From 2009-09-01
ODP889	NC89	British Columbia,Canada	48.6705N	126.8488W	-1258	From 2009-09-01
Oelwein	K39A	Iowa,U.S.A.	42.7050N	91.8878W	332	From 2011-06-11 to 2013-06-03
Oestervaala	OSTU	Sweden	60.2298N	17.1342E	100	From 2001-12-20
Oeyeondo	OYDB	Republic of Korea	36.2294N	126.0757E	75	From 2015-10-01
Ofenpass-Fuorn	FUORN	Switzerland	46.6202N	10.2635E	2333	From 2000-09-28
`Ofer	OFRI	Israel	32.6210N	34.9850E	520	
Offenburg	OFBG	Baden-Wurttemberg,Germany	48.4453N	7.9770E	237	From 2001-11-15 to 2020-02-01
Offenburg-Weierbach	OFFE	Baden-Wurttemberg	48.4741N	7.9775E	189	From 2016-09-01
Office Forets	ONF	Aquitaine,France	43.0950N	0.7160W		From 1985-02-01
Offida	OFFI	Italy	42.9350N	13.6857E	320	From 2006-05-16
Oficina Alemania	OFA	Antofagasta,Chile	25.1525S	69.9500W	1000	From 1975-01-01
Oficina de Planificacin del Area Metropolitana de San Salvador	OBAM	El Salvador	13.7120N	89.1977W	650	
Oftobruy	OFT	Tajikistan	40.1683N	70.6500E	1435	From 1985-10-15
Ofunato	OFU	Iwate,Japan	39.0617N	141.7180E	37	
Ofunato	OFUJ	Iwate,Japan	39.0802N	141.6690E	180	From 1978-01-01
Oga	JOG	Akita,Japan	39.9043N	139.7770E	270	
Oga	OGH	Akita,Japan	39.9050N	139.7769E	354	
Oga 2	JOG2	Akita,Japan	39.9167N	139.7893E	140	
Oga3	JOG3	Akita,Japan	39.9197N	139.0807E	92	From 2012-03-22
Ogallala	OGNE	Nebraska,U.S.A.	40.9451N	102.0330W	1054	From 2007-06-28

Station Name	*Code*	*Location*	*Geographical Co-ordinates*		*Altitude m*	*Remark*
Ogasawara	OGS	Bonin Islands,Japan	27.0568N	142.2030E	20	From 1992-06-26
Ogden Bay	OGU	Utah,U.S.A.	41.2750N	111.9440W	1506	From 1975-09-01 to 1979-05-31
Ogden Mountain	OGMT	Montana	46.8864N	112.8878W	1619	From 2018-08-24
Ogdensburg	OGD	New Jersey,U.S.A.	41.0875N	74.5958W	-367	From 1961-12-12 to 1981-12-31
Ogdensburg	ODNJ	New Jersey,U.S.A.	41.0829N	74.6056W	187	From 2007-06-23
Ogeu	OGE	Aquitaine,France	43.1685N	0.4733W	440	
Ogilvie Camp, Yukon	I29M	Yukon Territory	65.3609N	138.3063W	602	From 2015-10-20
O'Grain Ranch, Modena	R13A	Utah,U.S.A.	38.1802N	113.9691W	1969	From 2007-06-08 to 2009-03-16
Ohakea	OHWZ	North Island,New Zealand	40.2056S	175.3151E	59	From 2011-03-29
Ohasama	JOM	Iwate,Japan	39.4730N	141.2923E	210	
Ohata	JOT	Aomori,Japan	41.3820N	141.0482E	80	
Ohdaira	OHD	Iburi,Japan	42.5262N	140.8425E	250	
Ohid	A261A	Hungary	46.9520N	17.1486E	171	From 2016-01-26
O'Higgins	OHC	Antarctic Peninsula	63.3167S	57.9000W	20	
Ohinepanea	OPRZ	North Island,New Zealand	37.8443S	176.5549E	134	From 2006-11-14
Ohio Geological Survey, Columbus	OGSO	Ohio,U.S.A.	40.0568N	82.9654W	268	
Ohio State University	OSUO	Ohio,U.S.A.	39.9981N	83.0109W	226	
Ohio State University--Lima	OSLO	Ohio,U.S.A.	40.7390N	84.0250W	284	
Ohio State University--Mansfield	OSMO	Ohio,U.S.A.	40.7970N	82.5790W	420	
Ohio University	OUAO	Ohio,U.S.A.	39.3220N	82.0970W	217	
Ohira	OHJ	Tochigi,Japan	36.3600N	139.6924E	250	
Ohlone	OHLN	California,U.S.A.	38.0064N	122.2730W	-196	
Ohmine	OMJ	Nagano,Japan	36.6677N	138.1820E	506	
Ohonua, Eua	EUAT	Tonga	21.3475S	174.9542W	60	
Ohrid	OHR	FYR Macedonia	41.1114N	20.7989E	739	From 1969-01-01
Oil Creek State Park, Oil City	M54A	Pennsylvania,U.S.A.	41.5079N	79.6647W	488	From 2010-11-04
Oil Creek State Park, Oil Creek	PAOC	Pennsylvania,U.S.A.	41.5160N	79.6811W	337	From 2016-08-01
Oil house	OILH	Turkey	40.8636N	28.9921E	14	From 2006-10-04
Oil Point	OPT	Alaska,U.S.A.	59.6526N	153.2321W	602	From 2005-11-01
Oil Pt	P19K	Alaska	59.6524N	153.2319W	629	From 2015-06-24
Oio	OIZ	North Island,New Zealand	39.0449S	175.3927E	470	From 1990-08-14 to 2004-04-27
Oiseley-et-Grachaux	OISEL	France	47.4373N	5.9172E	422	From 2018-06-05 to 2020-01-01
Oishiyama	OIS	Wakayama,Japan	34.1053N	135.3270E	678	From 1966-01-07 to 1971-11-04
Oishiyama (A)	OIA	Wakayama,Japan	34.1031N	135.3200E	756	From 1971-08-10
Oishiyama (B)	OIB	Wakayama,Japan	34.0998N	135.3210E	776	From 1971-08-10
Oishiyama (C)	OIC	Wakayama,Japan	34.0989N	135.3170E	776	From 1971-08-10
Oita	OIT	Oita,Japan	33.2333N	131.6230E	5	
Oita 2	OIT2	Oita,Japan	33.2782N	131.4518E	460	From 1994-07-07
Oiwake	OIW	Nagano,Japan	36.3400N	138.5520E	1001	
Ojanco, Jaen	E033	Spain	38.3616N	2.9074W	687	From 2008-04-23 to 2010-02-28
Ojcow	OJC	Poland	50.2195N	19.7984E	391	From 1992-04-01
Ojen	OJEN	Spain	36.0993N	5.5408W	816	
Ojo de Agua	OJOS	El Salvador	13.8633N	89.2367W	645	From 1991-12-01
Okabe	OKB	Shizuoka,Japan	34.9500N	138.2538E	-30	
Okahao	HAON	Namibia	17.8869S	15.0599E	1099	
Okains Bay	OKCZ	South Island,New Zealand	43.7233S	173.0595E	492	From 2012-03-01
Okamatapati	OKAM	Namibia	20.4073S	18.2187E	1200	
Okamoto-Ura	KV09	Miyazaki,Japan	32.0183N	130.7878E	280	
Okavango Research Center	ORC1	Botswana	19.9000S	23.5200E	954	From 2001-01-01 to 2100-12-31
Okayama	OKA1	Okayama,Japan	34.6583N	133.9180E	17	
Okayama	OKA	Okayama,Japan	34.6817N	133.9150E	5	
Okayama 2	OKA2	Okayama,Japan	34.6417N	133.9520E	77	
Okeechobee	959A	Florida,U.S.A.	27.5240N	80.8791W	23	From 2012-03-08
Okgye-meyeon	OKEB	Republic of Korea	37.6209N	128.9803E	302	From 2011-12-07
Okha	OKH	Sakhalinskaya Oblast',Russia	53.5500N	142.9330E	24	
Okhotsk	OHTR	Khabarovskiy Kray,Russia	59.3586N	143.3308E	40	
Okhotsk	OKHT	Khabarovskiy Kray,Russia	59.3570N	143.2400E	2	From 2007-08-15
Okhotsk	OKHR	Khabarovskiy Kray,Russia	59.3610N	143.2480E	8	From 2005-10-05
OKI	JOI	Shimane,Japan	36.2908N	133.2482E	106	From 2010-12-01
Okiep	OKP	South Africa,South Africa	29.6467S	17.9650E	936	
Okijuku	OKI	Ibaraki,Japan	36.0500N	140.2500E		
Okinoerabujima	JOKE	Ryukyu Islands,Japan	27.3612N	128.5708E	235	From 2010-02-01
Oklahoma City	OCO	Oklahoma,U.S.A.	35.5240N	97.4740W	351	From 1982-05-21
Oklahoma City	OKCFA	Oklahoma,U.S.A.	35.4153N	97.4514W	379	From 2008-04-22
OKLAHOMA CITY ARRAY SWEETHEART OKLAHOMA USA	OKCSA	Oklahoma,U.S.A.	35.4055N	97.4380W	379	From 2008-04-22
Okla Sci Mus	OK004	Oklahoma,U.S.A.	35.5232N	97.4748W	352	
Okmok	OKAK	Alaska,U.S.A.	53.5790N	168.3578W	165	
Okmok Cone D	OKCD	Alaska,U.S.A.	53.4303N	168.1123W	459	
Okmok Cone E	OKCE	Alaska,U.S.A.	53.4270N	168.1643W	515	
Okmok Cone F	OKCF	Alaska,U.S.A.	53.3958N	168.1362W	685	
Okmok East Rim	OKER	Alaska,U.S.A.	53.4537N	168.0512W	956	
Okmok Mt. Idak	OKID	Alaska,U.S.A.	53.4774N	167.8162W	437	
Okmok Mt. Tulik	OKTU	Alaska,U.S.A.	53.3839N	168.0411W	646	
Okmok New Cone D	OKNC	Alaska,U.S.A.	53.4568N	168.1238W	404	
Okmok R'deer Pt	OKRE	Alaska,U.S.A.	53.5202N	168.1641W	422	
Okmok South	OKSO	Alaska,U.S.A.	53.3574N	168.1599W	460	
Okmok Steeple Pt	OKSP	Alaska,U.S.A.	53.2526N	168.2905W	608	
Okmok West Rim	OKWR	Alaska,U.S.A.	53.4347N	168.2056W	1017	
Okmok W'ng Wall	OKWE	Alaska,U.S.A.	53.4721N	168.2398W	445	
Okolona	Y40A	Arkansas,U.S.A.	34.0124N	93.2798W	117	From 2011-01-28 to 2012-11-08
Okreek	J29A	South Dakota,U.S.A.	43.4061N	100.3253W	644	From 2009-09-18 to 2011-05-05
Oktyabr'skiy	OCTB	Amurskaya Oblast',Russia	53.0175N	128.6434E	370	From 2010-01-14
Okuchi	JZO	Kagoshima,Japan	32.1400N	130.5985E	440	
Okuno	OKN	Shizuoka,Japan	34.9319N	139.0706E	140	
Okura	JOU	Yamagata,Japan	38.3655N	140.6640E	390	
Okushiri	OKS	Hiyama,Japan	42.0650N	139.4433E	35	From 1993-07-15
Okushiri--Matsue	JOSM	Hiyama,Japan	42.0827N	139.4752E	79	
Okushj	JOR	Hiyama,Japan	42.0667N	139.4450E	33	
Okuyama	OKY	Yamanashi,Japan	35.2273N	138.4212E	620	From 1978-06-01
Ola	OLAR	Magadanskaya Oblast',Russia	59.6078N	150.9993E	350	From 2009-12-27 to 2010-01-23
Olander Ranch, Little River	R33A	Kansas,U.S.A.	38.3081N	97.9842W	497	From 2009-10-17 to 2011-08-25
OLAS	OLAS	Saudi Arabia	26.2480N	37.6290E	952	
Olathe, N25	NCR25	Colorado	38.6432N	108.0090W	1612	
Olbia	OLB	Sardinia,Italy	40.9267N	9.4956E	5	
Oldbury-Upon-Severn	OLDB	England,United Kingdom	51.6609N	2.5515W	6	From 2009-07-14
Old Crow	F28M	Yukon Territories,Canada	67.6136N	139.8717W	564	From 2017-08-18
Old Faithful	YPOF	Wyoming,U.S.A.	44.4525N	110.8413W	2260	From 1972-10-01 to 2004-03-05
Old Faithful	YFT	Wyoming,U.S.A.	44.4513N	110.8358W	2292	
Old Forge	I58A	New York,U.S.A.	43.6901N	74.9733W	599	From 2013-08-26
Old Graveyard	OGTN	Tennessee,U.S.A.	36.4200N	89.4860W	91	
Old Harbor	OHAK	Kodiak Island,U.S.A.	57.2225N	153.2875W	77	From 2006-06-23
Old House Field, Plymouth	M46A	Indiana,U.S.A.	41.4079N	86.3524W	242	From 2011-10-24
Old Mammoth Mine	OMM	California,U.S.A.	37.6123N	119.0004W	2750	From 2000-07-12 to 2009-06-26
Old Mammoth Mine - surface	OMMB	California,U.S.A.	37.6131N	119.0005W	2768	
Ol Doinyo Lengai	OLDO	Tanzania	2.7087S	35.9055E	1137	From 2017-11-29
Oldoinyo Lengai SS	MW36	Tanzania	3.0158S	35.9981E	847	From 2013-01-17 to 2014-12-07
OLDS	OLDS	Sweden	56.6190N	16.4990E	5	
Oldufell	IOLF	Iceland	63.7517N	18.8408W	472	From 2016-07-13
Oldupai Boma	PR62	Tanzania	2.9834S	35.3736E	1454	From 2013-01-20 to 2014-12-06
Old Woman Plateau	OWUT	Utah,U.S.A.	38.7800N	111.4240W	2568	From 1989-02-08
Oleftalsperre	OLFT	Nordrhein-Westfalen,Germany	50.4939N	6.4202E	470	From 1988-06-01
Olekminsk	OLMR	Sakha,Russia	60.3756N	120.4629E	45	From 2010-06-11
Olema	NOLM	California,U.S.A.	38.0397N	122.7930W	30	From 1977-02-23
Olema	OLC	California,U.S.A.	38.0397N	122.7930W	30	From 1966-12-22 to 1977-02-23
Ole Sokoine	MW41	Tanzania	3.2305S	36.4448E	2001	From 2013-01-18 to 2014-12-04
Olintepeque	OLG	Guatemala	14.8977N	91.5077W	2855	
Oliver, Polo	L42A	Illinois,U.S.A.	42.0040N	89.6670W	257	From 2011-11-05 to 2013-11-19
Olkaria	OLK	Kenya	0.8880S	36.3240E	1751	From 1995-03-01 to 1996-10-31
Olkaria West	OLWK	Kenya	0.8380S	36.2640E	1780	From 1996-10-01 to 1997-04-30
Ollague	OLL	Tarapaca,Chile	21.1750S	68.3717W	4000	From 1965-11-01 to 1999-08-25
OLMEDO, CENTRO DE SALUD	AOLM	Ecuador	1.3957S	80.2044W	58	From 2016-04-22
Olmeto	UOLM	Italy	42.9888N	12.3398E	299	From 2007-06-10
Olmsteadville	I59A	New York,U.S.A.	43.7957N	73.8744W	390	From 2013-09-18
Olmue	OLCH	Valparaiso,Chile	32.9939S	71.1728W	173	
Olney	OLIL	U.S.A.	38.7338N	88.0991W	150	
Olofstrom	OLF	Sweden	56.3080N	14.4700E	118	From 1980-01-01 to 1991-12-31
Olo Olo	VSALE	Vanuatu	15.6460S	166.8299E	142	
Olot	OLOS	Spain	42.1814N	2.4893E	436	From 1995-06-07
Olot	OLT	Spain	42.1443N	2.4743E	700	From 1986-01-01 to 2006-12-31

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Olten Spital, SO	SOLS	Switzerland	47.3554N	7.9047E	397	From 2015-09-15
Oltu	EOLT	Turkey	40.5452N	41.9728E	1275	From 2007-01-01 to 2012-08-31
Olula del Rio	EXOR	Spain	37.3530N	2.2970W	520	
Olym-Cheeka Pk	OCP	Washington,U.S.A.	48.2979N	124.6252W	487	
Olym-F Res Ctr	OFR	Washington,U.S.A.	47.9331N	124.3960W	152	
Olympia	OLW	Washington,U.S.A.	47.0728N	122.9220W	37	From 1986-08-02
Olympic Penn College CREST BB SMO	OPC	Washington,U.S.A.	48.1001N	123.4129W	90	From 2001-05-30
Olympics--Bonidu Creek	OBC	Washington,U.S.A.	48.0353N	124.0780W	938	From 1980-07-01
Olympics--Burnt Hill	OBH	Washington,U.S.A.	47.3263N	123.8660W	383	
Olympics--Forks	OFK	Washington,U.S.A.	47.9500N	124.3580W	134	From 1980-07-01
Olympics--Lake Quinault	OLQ	Washington,U.S.A.	47.5161N	123.8088W	121	
Olympics--North River	ON2	Washington,U.S.A.	46.8808N	123.7811W	257	
Olympics--North River	ONR	Washington,U.S.A.	46.8771N	123.7710W	257	From 1980-07-01 to 2004-10-21
Olympics--Salmon Ridge	OSR	Washington,U.S.A.	47.5056N	123.9620W	815	From 1989-09-13
Olympics--Snow Dome	OSD	Washington,U.S.A.	47.8208N	123.7020W	2010	
Olympics--Sooes Peak	OSP	Washington,U.S.A.	48.2849N	124.5900W	585	From 1983-10-01
Olympics--Tyee Ridge	OTR	Washington,U.S.A.	48.0833N	124.3440W	712	
Olyphant	OLY	Arkansas,U.S.A.	35.5030N	91.4700W	236	From 1979-11-06
Omae zaki	OMA	Shizuoka,Japan	34.6017N	138.2167E	-165	
Omahuta	OUZ	North Island,New Zealand	35.2197S	173.5961E	63	From 1991-03-11
Omak	OMW	Washington,U.S.A.	48.4803N	119.5610W	421	From 1975-06-01
Omania	OMRZ	North Island,New Zealand	38.1062S	176.3717E	566	From 2007-04-04
Omchak	OCHR	Magadanskaya Oblast',Russia	61.6653N	147.8667E	820	
Omega	OMEGA	Arkhangel'skaya Oblast'	80.7841N	47.7322E	24	From 2015-08-25
Ometepe	OME	Nicaragua	11.5377N	85.6837W	181	
Omihachiman	OHM	Shiga,Japan	35.1738N	136.0835E	120	
Omiya	OOM	Yamanashi,Japan	35.2167N	138.6330E		
Omolon, Chukotka	OMOL	Magadanskaya Oblast',Russia	65.2320N	160.5360E	260	From 1982-06-01 to 1993-08-01
Omsukchan	OMS	Magadanskaya Oblast',Russia	62.5150N	155.7750E	527	
Onahama	ONA	Fukushima,Japan	36.9450N	140.9070E	5	
Onalaska	E04A	Washington,U.S.A.	46.5934N	122.7204W	215	From 2005-10-27 to 2008-02-12
Onbets	JOB	Kushiro,Japan	42.9033N	143.8347E	60	
Oncesti	ONCR	Romania	46.4643N	27.2672E	234	From 2004-07-13
Onchagaon	UGON	Uttar Pradesh,India	28.3100N	77.9100E	237	From 2001-04-27
Oneida	ONTN	Tennessee,U.S.A.	36.4815N	84.4433W	635	
O'Neill	K31A	Nebraska,U.S.A.	42.6229N	98.7546W	580	From 2010-08-20 to 2012-04-26
Onerahi	ONE	North Island,New Zealand	35.7740S	174.3627E	30	From 1954-08-28 to 1985-09-26
Onesti	ONS2	Romania	46.2487N	26.7599E	216	From 2015-09-14
Ongoro	ONG	Peru	15.8990S	72.4732W	880	
Ongureny	OGRR	Irkutskaya Oblast',Russia	53.6433N	107.5950E	495	
Oni	ONI	Georgia,Georgia	42.5903N	43.4525E	834	From 1967-03-02
Onida	H29A	South Dakota,U.S.A.	44.6261N	100.2125W	548	From 2009-09-11 to 2011-06-30
Onioshidashi	ODSE	Gumma,Japan	36.4219N	138.5219E	1710	
Onna	MI03	Italia	42.3274N	13.4757E	581	From 2009-04-07 to 2009-06-09
Onokovtsy	ONO	Carpathian Mountains	48.6640N	22.3330E	168	From 1963-01-01
Onsala	ONSU	Sweden	57.3966N	11.9260E	4	
Onsala	ONAU	Sweden	57.3965N	11.9177E	16	From 2012-08-01
Ontario (NY)	ONTR	New York,U.S.A.	43.2738N	77.3067W	84	
Onyx Ranch	WORM	California,U.S.A.	35.6956N	118.2425W	795	
Oodnadatta	OOD	South Australia,Australia	27.7944S	135.6880E	111	From 2013-07-17
Oohira	OHRN	Gifu,Japan	35.4877N	137.1946E	330	
Ooide	K09	Iwate,Japan	39.4742N	141.5114E	446	
Ooka	OKAH	Hawaii,U.S.A.	19.4943N	154.9240W	180	
Oologah	U36A	Oklahoma,U.S.A.	36.3927N	95.7325W	187	From 2010-06-19 to 2012-02-12
Oologah	OLO	Oklahoma,U.S.A.	36.4573N	95.7108W	196	From 1976-11-28 to 1977-08-07
Oonami East	KV05	Kagoshima,Japan	31.9217N	130.8586E	1300	
Oonami West	KV03	Kagoshima,Japan	31.9217N	130.8425E	1188	
Oonodaira	K10	Iwate,Japan	39.4958N	141.5147E	616	
Ooshika	OOS	Nagano,Japan	35.5797N	138.0488E	805	
Ootomari	OOT	Sakhalinskaya Oblast',Russia	46.6500N	142.7670E	36	
Opal Mound	OPL	Utah,U.S.A.	38.4817N	112.8720W	1766	
Opana	OPA	Hawaii,U.S.A.	21.6872N	158.0097W	138	From 1965-04-01
Opelika	151A	Alabama,U.S.A.	32.5269N	85.3267W	211	From 2012-01-19 to 2013-08-09
Opi	OPI	Italy	41.7763N	13.8302E	1170	From 2018-06-14
Opiter	BOPT	Belgium	51.1118N	5.6350E	51	From 2007-03-06
Oploo	OPLO	Netherlands	51.5888N	5.8121E	0	
Opoqueri	SOEO	Bolivia	18.5631S	67.8868W	3765	From 2017-04-01
Oppeano	OPPE	Italy	45.3082N	11.1724E	20	From 2009-09-24
Oppenau	OPP	Baden-Wurttemberg,Germany	48.4961N	8.1856E	421	From 2008-04-01
Oppido Mamertina	OPPI	Italy	38.2675N	16.0100E	770	From 2017-12-14
Opuwo	OPU	Namibia	18.0667S	13.8487E	1214	
Oracle	117A	Arizona,U.S.A.	32.5716N	110.7393W	1544	From 2007-04-06 to 2008-12-03
Oradea	ORD1	Romania	47.0536N	21.9322E	129	From 2015-09-30
Oraiokastro	OREA	Greece	40.7270N	22.9145E	260	
Oran	ORA	Buryatiya,Russia	55.9250N	113.6690E	705	
Oran	USTO	Algeria	35.7333N	0.5500W	0	
Orange	ORNG	New South Wales,Australia	33.3019S	149.0937E	850	From 2011-05-02
Orangeburg	OSC	South Carolina,U.S.A.	33.5397N	80.8250W	60	
Orangeburg	OSB	South Carolina,U.S.A.	33.5472N	80.8444W	91	From 1977-04-02
Orange Hill	OHS	St Vincent,Saint Vincent and the Grenadines	13.3170N	61.1480W	274	
Orange Park	557A	Florida,U.S.A.	30.0160N	81.7291W	24	From 2012-02-05
Oratorio	IRZU	Costa Rica	9.8975N	83.8385W	1811	From 2004-01-01
Orbe	ORB	Switzerland	46.7167N	6.5167E		
Orbita	ORBT	Magadanskaya Oblast',Russia	59.7234N	151.0082E	148	From 2009-12-27 to 2010-02-26
Orcadas	ORCD	South Orkney Islands	60.7381S	44.7361W		
Orchard Mesa	OMCO	Colorado,U.S.A.	39.0270N	108.5170W	1460	
Orchilla, El Hierro	CORC	Canary Islands,Spain	27.7047N	18.1448W	97	From 2011-07-01
Ordiarp	ORDF	Aquitaine,France	43.2135N	0.9357W	270	From 1997-10-28
Ordubad	ORD	Azerbaijan	38.9280N	45.9940E	945	From 2011-11-30
Ordu-Boztepe	ORDU	Turkey	40.9910N	37.8571E	526	From 2010-12-03
Oregon House	AOHM	California,U.S.A.	39.3753N	121.2560W	457	From 1977-02-14
Orenburg	ORR	Orenburgskaya Oblast',Russia	51.6184N	54.7530E	91	From 2004-10-26
Orenburg-2	OR2	Orenburgskaya Oblast',Russia	51.7356N	55.0319E	84	From 2007-08-31
Orenburg-3	OR3	Orenburgskaya Oblast',Russia	51.9005N	54.4098E	188	From 2008-07-17
Orenkoy-Mersin	OREN	Turkey	36.2077N	33.4586E	54	From 2011-07-01
Oreshnoe	ORHR	Krasnoyarskiy Kray,Russia	55.3020N	93.6650E	444	From 2003-03-07
Organos	IIO	Tlaxcala,Mexico	19.5915N	98.7225W	2940	
Organ Pipe National Monument, Ajo	214A	Arizona,U.S.A.	31.9559N	112.8115W	543	From 2007-05-07
Organya	ORG	Spain	42.2278N	1.3322E	740	
Organya	CORG	Spain	42.2303N	1.3176E	716	
Orgiva	ORGV	Spain	36.8572N	3.4322W	1600	
Orhaneli	ORLT	Turkey	40.0460N	28.8960E	649	
Orhangazi	ORHG	Turkey	40.5133N	29.2987E	174	From 2005-09-25
Orhaniye	ORH	Turkey	40.8602N	30.0707E	320	From 1995-01-01
Oriahovo	ORIA	Bulgaria	43.7263N	23.9664E	231	From 1994-06-09
Oricopia Mountain	ORCC	California,U.S.A.	33.5662N	115.7692W	1087	
Orie	ORY	Krasnoyarskiy Kray,Russia	55.0031N	95.1089E	378	From 2004-03-19
Oriolo Calabro	OR1	Italy	40.0635N	16.4492E	375	
Oriolo Calabro	ORI	Italy	40.0635N	16.4492E	375	
Oris-en-Rattier	ORIF	Rhone-Alpes,France	44.9183N	5.8800E	1082	From 1996-04-03
Orista	CORI	Spain	41.9735N	2.0499E	331	From 2006-02-01
Oritupano	ORIV	Venezuela	9.0700N	63.4090W	123	From 2002-05-06
Orizaba	OZST	Veracruz	18.8607N	97.0942W	1251	
Orjiva, Granada	E007	Spain	36.8605N	3.4291W	1289	From 2007-09-13 to 2009-06-26
Orkelljunga	ORK	Sweden	56.2680N	13.2620E	96	From 1980-01-01 to 1991-12-31
Orlando	OR-FL	Florida,U.S.A.	28.4669N	81.2214W	20	From 1963-05-14 to 1963-09-15
Orlando	OR-	Florida,U.S.A.	28.4669N	81.2214W	20	From 1963-05-14 to 1963-09-15
Orleans, Heritage Park	ORHO	Ontario,Canada	45.4563N	75.5367W	51	From 2007-06-19
Orleans, Innes Road, Ontario	ORIO	Ontario,Canada	45.4515N	75.5110W	74	From 2008-06-19
Orleans Mountain	KOMM	California,U.S.A.	41.2788N	123.4520W	1181	
Orlik	ORL	Buryatiya,Russia	52.5389N	99.8100E	1360	
Ormoc	OCLP	Leyte,Philippines	11.0510N	124.6090E	130	
Ormstown	G58A	Quebec,Canada	45.1492N	74.0540W	53	From 2013-07-25
Oroboro, Fairlee	I61A	Vermont,U.S.A.	43.9323N	72.2087W	287	From 2013-09-03
Orongorongo Tunnel	OTW	North Island,New Zealand	41.2758S	175.0044E	220	From 1992-07-28 to 2004-06-08
Orono	ORNO	Maine,U.S.A.	44.8920N	68.6720W	100	From 2008-12-01
Oropa	ORX	Italy	45.6325N	7.9817E	1250	
Oropa	ORO	Italy	45.6275N	7.9814E	1160	
Orotukan	ORTS	Magadanskaya Oblast',Russia	62.2600N	151.3400E	470	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Oroville	ORV	California,U.S.A.	39.5545N	121.5004W	334	From 1963-01-01
Oroz-Betelu	EORO	Spain	42.8926N	1.3095W	880	From 2007-04-27
Orpen Rest Camp, 3A16	M3A16	South Africa	24.4772S	31.3896E	452	
Orsara di Puglia	FG5	Italy	41.2825N	15.2678E	660	
Orsara di Puglia	ORP	Italy	41.2792N	15.2649E	717	From 2008-06-17
Ortayu	OTUK	Kazakhstan	48.2445N	72.3378E	602	From 2010-02-10
Ortega, Santa Cruz, Guanacaste	ORTG	Costa Rica	10.3623N	85.4590W	760	From 2012-10-03
Ortega, Tolima	ORTC	Colombia	3.9090N	75.2460W	446	From 2013-06-20
Orthonies,Zakynthos,Greece	ORTH	Greece	37.8511N	20.6963E	450	From 2018-10-27
Orti	OII	Italy	38.1533N	15.6892E		
Ortiz Mountain	OTZ	New Mexico,U.S.A.	35.7603N	106.1730W	2091	From 1976-09-17
Ortiz Mt. (NFS), Santa Fe National Forest	V23A	New Mexico,U.S.A.	35.7452N	106.1833W	1991	From 2008-05-05 to 2010-04-08
Ortonville	G33A	Minnesota,U.S.A.	45.1946N	96.4383W	338	From 2010-10-07 to 2012-07-22
Orto-Tokoy	OTK	Kyrgyzstan	42.3460N	76.0170E	1700	
Orzinuovi	ORZI	Italy	45.4056N	9.9307E	83	From 2008-04-24
Os	OSGS	Norway	60.1900N	5.4600E	30	From 2002-01-01
Osaka	OSA	Osaka,Japan	34.6783N	135.5220E	13	
Osaka	OSK	Osaka,Japan	34.6117N	135.6600E	472	
Osakifurukawaosaki	JOFO	Miyagi,Japan	38.6022N	140.9112E	29	From 2012-11-01
Osborn	OSBY	New York,U.S.A.	41.3603N	73.9239W	212	
Oschiri	OSKI	Italy	40.8210N	9.1083E	896	From 2006-12-12
Oseberg A Platform	OSG	Norway	60.4970N	2.8760E	-100	From 1988-01-01 to 2003-04-05
Osh	OHH	Kyrgyzstan	40.5240N	72.7850E	980	
Oshima	OSH	Bonin Islands,Japan	34.7617N	139.3783E	191	
Oshima	OSHJ	Bonin Islands,Japan	34.7467N	139.3670E	76	From 1991-12-18
O shima 2	JIM	Bonin Islands,Japan	34.7617N	139.3767E	190	
Oshima 3	JIM2	Bonin Islands,Japan	34.7175N	139.4312E	405	
Oshimamatsumae	JOMM	Hokkaido,Japan	41.5248N	140.0069E	27	From 2013-07-01
Osimo	MOSM	Italy	43.4900N	13.4940E	117	From 1998-03-28
Osimo (AN)	AD06	Italy	43.4944N	13.4366E	112	From 2010-03-30
Osito Audit: Castaic Lake Dam, Castaic	OSI	California,U.S.A.	34.6145N	118.7235W	718	From 1995-06-28
Oskarshamn	OSKU	Sweden	57.1947N	16.0994E	100	From 2002-11-01
Oslo	OO-	Norway	61.0547N	10.8661E	555	
Oslo	OO-NW	Norway	61.0547N	10.8661E	555	
Oslo	OSL	Norway	59.9372N	10.7227E	70	
Osmaniye	KAMA	Turkey	37.1861N	36.6677E	983	From 2009-10-06
Osmaniye	OSMT	Turkey	40.6022N	29.7002E	820	From 1993-01-01
Os-Marcillon	OSML	Aquitaine,France	43.3892N	0.5928W	105	
Osorio	EOSO	Spain	28.0718N	15.5525W	760	
Osorno	OSCH	Valdivia,Chile	40.5758S	73.1276W	45	
Ospenovka	USP	Kazakhstan	43.2669N	74.4997E	740	
Osservatorio Polifunzionale del Chianti	OSSC	Italy	43.5236N	11.2458E	450	
Osses	OSSF	Aquitaine,France	43.2560N	1.2618W	240	From 1997-06-01
Ossining	OSNY	New York,U.S.A.	41.2117N	73.8283W	122	
Ossora	OSSR	Kamchatskaya Oblast',Russia	59.2500N	163.0600E	5	
Ostas	OSTC	Czech Republic	50.5565N	16.2156E	554	From 2005-07-01
Ostende	BOST	Belgium	51.2382N	2.9387E	3	From 2009-05-01
Ostervraa, Denmark	OVD	Denmark	57.3173N	10.2063E	50	From 2015-10-08
Ostiglia (MN)	MIR07	Italy	45.0810N	11.1301E	13	From 2012-05-23
Ostrava-Krasne	OKC	Czech Republic	49.8375N	18.1472E	272	From 1994-01-01
Ostromysovka	OSMR	Sakhalinskaya Oblast',Russia	47.2450N	143.0100E	30	From 2004-11-10
Ostuacan	OSCM	Chiapas,Mexico	17.4056N	93.3347W		
Ostula	OSM	Michoacan,Mexico	18.4972N	103.4719W		
Oswego	OSWG	New York,U.S.A.	43.5170N	76.4162W	84	
OT011	OT011	Ontario,Canada	45.3939N	75.7149W	94	From 2005-10-21
Otahua Downs	ODZ	South Island,New Zealand	45.0440S	170.6446E	274	From 1990-08-31
Otaki Gorge	OGWZ	North Island,New Zealand	40.8167S	175.1704E	206	From 2007-09-24
Otama	JFT	Fukushima,Japan	37.5182N	140.3367E	350	
OTAMA OYAMA	JOTO	Fukushima	37.5598N	140.3337E	434	From 2016-10-12
Otara	OTAZ	North Island,New Zealand	36.9494S	174.9249E	140	From 1996-09-17 to 2009-12-23
Otavalo	OTAV	Ecuador	0.2376N	78.4508W	3492	
Otavalo	AOTA	Ecuador	0.2401N	78.2557W	2529	From 2011-03-31
Otay Lakes Park	OLP	California	32.6077N	116.9302W	159	From 2001-01-10
Otepa	OTP	Tuamotu,French Polynesia	18.1675S	140.8570W	2	From 1976-01-01
Oterleek	OTL4	Netherlands	52.6289N	4.8227E	-204	From 1995-04-21
Oterleek	OTL	Netherlands	52.6299N	4.8226E	-3	
Oterleek	OTL1	Netherlands	52.6289N	4.8227E	-54	From 1995-04-21
Oterleek	OTL3	Netherlands	52.6289N	4.8227E	-154	From 1995-04-21
Oterleek	OTL2	Netherlands	52.6289N	4.8227E	-104	From 1995-04-21
Othello	OTH	Washington,U.S.A.	46.7390N	119.2160W	384	From 1969-03-01
Othello	OT2	Washington,U.S.A.	46.7214N	119.2350W	355	From 1988-12-01 to 2001-11-01
Othello 3	OT3	Washington,U.S.A.	46.6690N	119.2330W	322	
Otiai	OTI	Sakhalinskaya Oblast',Russia	47.3333N	142.7830E		
Otisfield	I63A	Maine,U.S.A.	44.0505N	70.5809W	177	From 2013-09-27
Ottaviano, Vesuvio (NA), Italy	OTV	Italy	40.8392N	14.4663E	363	From 1996-03-20
Ottawa	OTT	Ontario,Canada	45.3942N	75.7167W	77	From 1906-01-01
Ottawa Anderson Road	OTAO	Ontario	45.4069N	75.5526W	21	From 2019-02-04
Otterbach	OTTER	Switzerland	47.5778N	7.6038E	298	From 2006-01-01
Otterbach 1 (BS)	OTER1	Switzerland	47.5777N	7.6037E	-206	From 2009-10-01
Otterbach 2 (BS)	OTER2	Switzerland	47.5791N	7.6046E	-2487	From 2006-10-01
Otter Creek Ranch, Eureka	S35A	Kansas,U.S.A.	37.6821N	96.3190W	334	From 2010-03-26 to 2012-03-04
Otter Lake	F55A	Quebec,Canada	45.8338N	76.3510W	218	From 2012-11-08
Otter Rapids	OTRO	Ontario,Canada	50.1818N	81.6286W	109	
Oturere	OTVZ	North Island,New Zealand	39.1631S	175.6651E	1506	From 2004-11-18
Ouanaham	OUA	Loyalty Islands,New Caledonia	20.7747S	167.2440E	29	
Oud Koma	ODK	Djibouti	11.5932N	42.4901E	100	From 1987-01-01
Oued Athmania	COAT	Algeria,Algeria	36.2340N	6.2840E	840	
Oued Fodda	OFD	Algeria	36.0667N	1.6000E	377	From 1935-01-01 to 1982-12-31
Oued Fodda	EOFD	Algeria,Algeria	36.0470N	1.6100E	529	
Oued Kramis	EKMS	Algeria,Algeria	36.3140N	0.6420E	192	
Ouen Island, New Caledonia	OUENC	New Caledonia	22.4183S	166.8416E	115	From 2011-08-09
Ouen Toro	ONTNC	New Caledonia	22.3073S	166.4540E	107	
Oujda	OUJ	Morocco	34.6570N	1.9010W	600	
Oukaimeden	OUK	Morocco	31.2070N	7.8660W	2831	
Oulainen	OUFX	Finland	64.3645N	24.7031E	90	From 2011-02-10
Oulanka, Finland	OLKF	Finland	66.3206N	29.4003E	310	From 2014-01-01
Ouled Sidi Brahim	ABSD	Algeria,Algeria	35.4345N	4.1985E	520	
Oulhaca	OLHC	Algeria	35.2500N	1.4200W	600	From 2005-01-01
Oulu	OUL	Finland	65.0853N	25.8964E	60	
Oum El Arais	OAR	Tunisia	34.5317N	8.3968E	475	
Oura	ORJ	Shiga,Japan	35.5171N	136.1197E	150	
Ouranopolis	OUR	Greece	40.3344N	23.9819E	60	From 1981-01-01
Ourey, S05	SCR05	Colorado	38.1152N	107.7443W	2184	
Ouri	JIO	Miyagi,Japan	38.4543N	141.3488E	40	
Ouro Preto, Brazil	FABR	Minas Gerais	20.4192S	43.9133W	1454	From 2017-05-10
Outingdale	AODM	California,U.S.A.	38.6148N	120.7280W	520	From 1976-10-19
Outjo	OTJO	Namibia	20.0180S	15.9799E	1327	
Outlet	OUT	Hawaii,U.S.A.	19.3897N	155.2820W	1038	From 1958-07-01
Outpost Mountain	YUK6	Yukon Territory,Canada	60.9432N	138.3626W	2233	From 2010-08-29
OUZ	OUZM	Morocco	30.9090N	6.7600W	1216	
Ovalau	OVA	Fiji	17.6862S	178.7837E	439	From 1979-10-01
Ovalle	OVCH	Coquimbo,Chile	30.6080S	71.2010W	222	
Ovando	OVMT	Montana,U.S.A.	47.0643N	112.9967W	1494	
Ovaro	OVAR	Italy	46.4847N	12.8647E	581	From 2019-02-13
Ova Spin	OSS	Switzerland	46.6868N	10.1437E	1700	From 1982-01-01 to 2002-01-02
Over Castle Rock	OCN	New York,U.S.A.	43.8848N	74.5293W	701	From 1974-07-01 to 1979-07-31
Overton	OVE	Nevada,U.S.A.	36.5311N	114.4420W	395	From 1940-07-01 to 1952-07-31
Ovnat, DS13	DSI13	Israel	31.6720N	35.4310E	169	From 1993-04-01 to 1993-09-30
Owase	OWA	Mie,Japan	34.0667N	136.1950E	17	
Owens Crossroads	OCA	Alabama,U.S.A.	34.6138N	86.4352W	250	
Owens Ranch, Tucumcari	W26A	New Mexico,U.S.A.	35.0891N	103.7656W	1314	From 2008-05-08 to 2010-04-09
Owens River	ORC	California,U.S.A.	37.6353N	118.6560W	2301	From 1979-11-01
Owhat River	L16K	Alaska,U.S.A.	61.7105N	159.4747W	227	From 2017-05-14
Owia	SOA	St Vincent,Saint Vincent and the Grenadines	13.3735N	61.1486W	40	
Owl Hoot	OHTN	Tennessee,U.S.A.	36.1500N	89.5200W	82	
Oxbow	E63A	Maine,U.S.A.	46.4220N	68.4220W	238	From 2013-09-23
Oxenhope Moor	OMWY	England,United Kingdom	53.7909N	1.9799W	438	
Oxford	OXF	Mississippi,U.S.A.	34.5118N	89.4092W	101	From 1993-09-17
Oxford	OXD	England,United Kingdom	51.7667N	1.2500W	61	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Oxford	OXZ	South Island,New Zealand	43.3259S	172.0383E	319	From 2009-03-14
Oxford	U58A	North Carolina,U.S.A.	36.3944N	78.5493W	169	From 2013-03-21
Oxford	757A	Florida,U.S.A.	28.9413N	82.0685W	22	From 2012-02-12
Ox Mountain	OXMT	California,U.S.A.	37.4994N	122.4243W	14	
Oxtotitlan	OXM	Mexico D.F.,Mexico	19.2972N	99.6883W	2700	
Oya 1	OYT	Hyogo,Japan	35.3339N	134.6645E	260	
Oya 2	OYT2	Hyogo,Japan	35.3218N	134.6658E	230	
Oyama	OYM	Kanagawa,Japan	35.4201N	139.2430E	600	From 1970-04-01
Ozalj	OZLJ	Croatia	45.6153N	15.4673E	0	From 2011-01-10
Ozark Folk Center	FCAR	Arkansas,U.S.A.	35.8898N	92.1242W	190	
Ozernaya	AY2S	Sakha,Russia	63.7500N	146.1100E	875	From 1971-06-01 to 1971-12-31
Ozernaya	OZE	Buryatiya,Russia	56.3000N	113.9750E	620	
Ozero (Kronotsky)	OZRR	Kamchatskaya Oblast',Russia	54.6920N	160.3920E	391	
Ozhidaevo	OZHR	Sakhalinskaya Oblast',Russia	47.0400N	143.3900E	-111	
Ozhidaevo	OJD4	Sakhalinskaya Oblast',Russia	47.0286N	142.3989E	230	From 1996-01-01
Ozolo	OZOL	Trentino,Italy	46.4045N	11.0517E	1231	From 2000-12-31
Ozona	OZNA	Texas,U.S.A.	30.9219N	101.1271W	770	From 2017-02-08
PA01 North	PA01	British Columbia,Canada	48.6526N	123.4470W	3	From 2010-12-09
PA02 Ocean	PA02	British Columbia,Canada	48.6518N	123.4489W	3	From 2010-12-09
PA03 Flamable	PA03	British Columbia,Canada	48.6517N	123.4448W	8	From 2010-12-09
PA04 Cage	PA04	British Columbia,Canada	48.6510N	123.4462W	8	From 2010-12-09
PA05 Willingdon	PA05	British Columbia,Canada	48.6497N	123.4438W	8	From 2010-12-09
PA12 Sannich	PA12	British Columbia,Canada	48.6482N	123.4496W	10	From 2010-12-09
Paamiut	PAAG	Greenland	61.9914N	49.6613W	22	
Paberze	PABE	Lithuania	55.5052N	23.9680E	53	From 2012-04-23
Pabitra Nagar,Odisha	PABN	Orissa	21.1310N	85.1687E	93	From 2015-12-10
Paburge	PBUR	Lithuania	56.0236N	21.9294E	122	From 2011-11-03
Pacaembu	PCMB	Sao Paulo,Brazil	21.6071S	51.2614W	345	From 2013-11-30
Pacatuba, Sergipe, Brazil	PCTB	Sergipe,Brazil	10.4135S	36.7023W	67	From 2011-06-18 to 2013-02-25
Pacaya	PCG	Guatemala	14.3917N	90.6075W	2100	From 1987-03-01
Pacayal	PACA	El Salvador	13.4690N	88.3233W	1123	
Pacayas	PCAYA	Costa Rica,Costa Rica	9.9170N	83.8110W	1840	
Pace	449A	Florida,U.S.A.	30.7596N	87.2151W	57	From 2012-01-18
PACH	PACHH	Bolivia	19.8681S	69.4157W	1620	From 1994-11-21 to 1995-07-14
Pacheco Lake	AN4*	California,U.S.A.	37.0520N	121.2911W	125	From 1968-05-10 to 2011-07-26
Pacheco Lake	PCL	California,U.S.A.	37.0520N	121.2911W	125	From 1968-05-10 to 2011-07-26
Pacheco Lake	HPCM	California,U.S.A.	37.0599N	121.2758W	468	
Pacheco Lake	HPLM	California,U.S.A.	37.0520N	121.2911W	125	From 1968-05-10 to 2011-07-26
Pacheco Peak	PACP	California,U.S.A.	37.0080N	121.2870W	844	From 2003-06-19
Pachiana Chania	MULT	Crete	35.5091N	24.0118E	15	From 2015-06-20
Pachino	HPAC	Sicily,Italy	36.6965N	15.1114E	19	From 2012-11-05
Pachkamar	PKMR	Uzbekistan	38.5429N	66.3897E	624	
Pacific Avenue Alameda	C049	California,U.S.A.	37.7766N	122.2785W	9	From 2010-08-30
Pacific Beach Navy Resort	PABH	Washington,U.S.A.	47.2128N	124.2045W	36	From 2016-03-03
Pacific Creek	PACW	Wyoming,U.S.A.	43.9023N	110.4850W	2140	From 1986-01-01
Pacitan	PCJI	Jawa,Indonesia	8.1947S	111.1771E	0	From 2007-12-01
Packway	APAE	England,United Kingdom	52.3006N	1.4782E	58	From 1984-01-01
Pacto, Paraso	PAC1	Ecuador	0.2661N	78.7914W	1257	From 2012-08-03
Padang	PDSI	Sumatera,Indonesia	0.9118S	100.4617E	276	From 2005-01-01
Padang Panjang	PPI	Sumatera,Indonesia	0.4568S	100.3970E	0	
Padmapur Odisha,India	PADA	Orissa	20.9985N	83.0565E	199	From 2015-07-16
Padua	PAD	Italy	45.4086N	11.8861E	12	
Paducah	T45A	Kentucky,U.S.A.	37.0196N	88.6447W	119	From 2011-11-17
Paducah	T45B	Kentucky	37.0159N	88.6459W	136	From 2014-02-11
Paducah	PAKY	Kentucky,U.S.A.	37.0570N	88.7720W	76	From 1990-10-01
Paea	PAE	Tahiti,French Polynesia	17.6619S	149.5800W	10	
Paeroa	PATZ	North Island,New Zealand	38.3795S	176.2585E	940	From 1987-05-01 to 2007-04-04
Paez Belalcazar	MARP	Colombia	2.8430N	75.9550W	2207	
Pagadian	PAGZ	Mindanao,Philippines	7.8480N	123.3820E	50	
Pagan	PAGN	Mariana Islands	18.0750N	145.7310E	540	From 1992-07-01
Paganica	MI02	Italy	42.3545N	13.4743E	648	From 2009-04-07 to 2009-04-29
Pagan Volcano	PAGV	Mariana Islands	18.1250N	145.7700E	10	From 1992-07-01
Page	PGAZ	Arizona,U.S.A.	36.9057N	111.4620W	1272	
Pagerwojo	PWJI	Jawa,Indonesia	8.0220S	111.8039E	0	From 2007-12-01
Pagoda	O21A	Colorado,U.S.A.	40.2149N	107.4705W	2343	From 2007-11-10 to 2009-11-05
Pago Rovagnano (AQ), Italy	MB02	Italy	42.5290N	13.2777E	853	From 2016-11-30 to 2016-12-12
Pagosa Springs	PGS	Colorado,U.S.A.	37.2653N	107.0210W		
Pahaquarry	PQN	New Jersey,U.S.A.	41.0073N	75.0858W	229	
Pahoa	PAH	Hawaii,U.S.A.	19.4950N	154.9470W	205	From 1958-01-01 to 1969-01-01
Pahoa Fire House	PFH	Hawaii,U.S.A.	19.4969N	154.9490W	201	From 1986-01-01
Pah Rah Range	PAHR	Nevada,U.S.A.	39.7065N	119.3842W	1500	
Pahroc Range	PRN	Nevada,U.S.A.	37.4067N	115.0508W	1402	
Pahute Mesa	PMN	Nevada,U.S.A.	37.2807N	116.3020W	2141	From 1973-06-05 to 1973-06-22
Pahute Mesa	LO2	Nevada,U.S.A.	37.1979N	116.3790W	2019	From 1973-05-01 to 1975-12-31
Pahute Mesa Site	PH-NV	Nevada,U.S.A.	37.2983N	116.5481W	1792	
Pahute Mesa Site	PH3NV	Nevada,U.S.A.	37.3725N	116.5286W	1603	
Pahute Mesa Site	PH4NV	Nevada,U.S.A.	37.2556N	116.4636W	1917	
Pahute Mesa Site	PH2NV	Nevada,U.S.A.	37.2422N	116.4644W	1908	
Paiam	PIAM	Papua New Guinea	5.4650S	143.1490E	2220	
Paila	NASE	Xizang Zizhiqu,China	31.9886N	91.7057E	4653	From 1998-08-07 to 1999-05-27
P Aileron	PAI	Martinique,France	14.8044N	61.1564W	844	
Paja de Sombrero, Chiriqui	PSOM3	Panama	8.6850N	82.3220W	417	From 2010-01-01
Pajala	PAJU	Sweden	67.0240N	23.1130E	500	From 2004-04-17
PAJAN	APJN	Ecuador	1.5568S	80.4323W	130	From 2016-04-20
PAJAN 2	PAJA	Ecuador	1.5615S	80.4545W	154	From 2016-05-17
Pakayacu	PKYU	Ecuador	1.6477S	77.5950W	391	From 2012-11-30
Pak Chong	PCT	Thailand	14.6808N	101.4110E	360	From 1978-10-01
Pakhachi	PCHS	Kamchatskaya Oblast',Russia	60.5580N	169.1250E	5	
Pakihiroa	PKGZ	North Island,New Zealand	37.8881S	178.0768E	708	From 2010-06-22
Pakoon Wash	U13A	Arizona,U.S.A.	36.4151N	113.9653W	712	From 2007-02-16 to 2008-11-12
Pakushin Southeast, Makushin Volcano	MAPS	Alaska,U.S.A.	53.8082N	166.9407W	333	From 2012-08-02
Pala Acreide	HPAR	Sicily,Italy	37.0750N	14.9980E	600	From 1994-05-01
Palacio de Doana, Huelva	E010	Spain	36.9886N	6.4431W	52	From 2007-09-24 to 2009-06-24
Palaiochora Chania	KNDR	Crete,Greece	35.2340N	23.6857E	25	From 2006-12-01
Palaiochora Chania	PLC1	Crete,Greece	35.2314N	23.6285E	7	From 2011-10-01
Palaion Diasellon	DSL	Greece	39.1338N	21.0963E	525	From 2008-02-22
Pala-Maneri	PLMI	Uttar Pradesh,India	30.8417N	78.6292E	1640	From 1987-10-01
Palamutbuku-Kayakoy-Datca	RFTD	Turkey	36.6823N	27.4970E	112	From 2017-07-28
Palana	PALN	Kamchatskaya Oblast',Russia	59.0890N	159.9660E	38	From 2008-11-13
Palana	PALS	Kamchatskaya Oblast',Russia	59.0930N	159.9630E	5	From 1994-03-01
Palanan	PALP	Luzon,Philippines	17.0630N	122.4250E	50	
Palangkaraya	PLKI	Kalimantan,Indonesia	2.2262S	113.9453E	70	From 2005-01-01
Palangkaraya	PKKI	Kalimantan,Indonesia	2.2410S	113.9721E	69	
Palata	PLTA	Italy	41.8864N	14.7893E	486	From 2018-08-21
Palata Pepoli (BO)	T0811	Italy	44.7838N	11.2265E	9	From 2012-05-20 to 2012-07-31
Palau	PALU	Caroline Islands,Palau	7.3436N	134.4741E	10	
Palau	PLA	Caroline Islands,Palau	7.3333N	134.4830E	390	
PALAU INFRASONIC ARRAY REFERENCE POINT	I39PW	Caroline Islands,Palau	7.5355N	134.5470E	100	From 2005-08-10
Palau Saverdera	CPAL	Spain	42.3116N	3.1636E	223	From 2007-03-01
Palayan	PCPH	Luzon,Philippines	15.5620N	121.0960E	7	
Palazzolo	PZI	Sicily,Italy	37.0571N	14.9476E	603	From 1983-10-01
Palazzo San Gervasio	PALZ	Italy	40.9441N	15.9602E	450	From 2006-08-07
Palemas	PALE	Morocco	35.2170N	3.9390W	482	
Palemas	MPAL	Morocco	35.2250N	3.9420W	412	From 1994-02-15
Palembang	PMBI	Sumatera,Indonesia	2.9270S	104.7720E	30	From 2005-01-01 to 2009-05-29
Palenque	TOLD	Colombia	4.9430N	75.3990W	3760	
Paleo Inst,Ithaca	PRNY	New York,U.S.A.	42.4666N	76.5361W	205	
Paleokklisi, N003	N003M	Greece	39.5770N	20.4251E	340	
Palermo	PAM	California,U.S.A.	39.4488N	121.5200W		From 1976-01-01
Palermo	PLR	Sicily,Italy	38.1440N	13.3477E	60	
Palgon	ST10	Xizang Zizhiqu,China	31.4928N	90.0081E	4670	From 1998-07-15 to 1999-06-01
Palhano	ET03	Ceara,Brazil	4.7808S	38.0388W	34	
Paliouras	S032	Greece	38.5910N	23.7580E	203	
Paliouri	PAIG	Greece	39.9272N	23.6797E	140	From 1981-01-01
Paliouri	PLR1	Greece	39.9363N	23.6767E	140	From 2014-01-21
Palisades	PAL	New York,U.S.A.	41.0055N	73.9079W	66	From 1980-01-01
Palizzi	MPAZ	Sicily,Italy	37.9531N	16.0067E	496	From 2006-09-20
Pallekele	PALK	Sri Lanka	7.2728N	80.7022E	460	
Palliser	PLWZ	North Island,New Zealand	41.5692S	175.2548E	638	From 2007-02-20

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Palma Real	PALR	Venezuela	11.0000N	63.9110W	920	From 1984-01-01
Palmaria, Porto Venere	PLMA	Italy	44.0498N	9.8507E	22	From 2010-03-28
Palmar Norte	EDPN	Costa Rica	8.9620N	83.4570W	47	
Palmasola	PSM	Oaxaca,Mexico	16.7048N	95.0410W	750	From 1990-01-01
Palm Desert	PMD	California,U.S.A.	33.6478N	116.3777W	296	From 2005-05-07
Palm-Egli Farm, Albin	M25A	Wyoming,U.S.A.	41.4347N	104.0551W	1636	From 2008-11-13 to 2010-10-09
Palmela	PLML	Portugal	38.5550N	8.9033W	216	
Palmer	PLMR	South Australia,Australia	34.8728S	139.1508E	138	From 2006-08-10
Palmer	PMR	Alaska,U.S.A.	61.5922N	149.1308W	100	From 1967-09-01
Palmer East	PME	Alaska,U.S.A.	61.6283N	149.0317W	232	From 1980-09-01 to 1999-08-25
Palmer High School	PHSA	Alaska,U.S.A.	61.6089N	149.1487W	144	
Palmer Lift, Mt. Hood	PALME	Oregon,U.S.A.	45.3586N	121.7055W	2590	From 2014-09-28
Palmer Road	PREZ	North Island,New Zealand	39.3421S	174.1590E	558	From 2010-02-23
Palmer South	PMS	Alaska,U.S.A.	61.2447N	149.5610W	716	From 1967-05-25 to 2005-08-05
Palmer Station	PMSA	Antarctic Peninsula	64.7742S	64.0490W	10	From 1993-03-01
Palmer USGS	PLRM	Alaska,U.S.A.	61.5922N	149.1310W	100	From 1984-09-20
Palmer West	PWA	Alaska,U.S.A.	61.6508N	149.8790W	137	From 1967-05-23 to 2005-08-05
Palmi	ME03	Italy	38.3301N	15.8374E	567	From 2007-10-20 to 2009-02-05
Palmichal	PALM	Venezuela	10.2046N	64.4388W	1100	From 1984-01-01 to 1999-08-25
Palmira	BCO2	Panama	8.7185N	82.5287W	1429	
Palmira, PALM	PALMI	Costa Rica	10.5600N	85.0764W	294	
Palm Springs	PSP	California,U.S.A.	33.7938N	116.5490W	195	
Palmyra I.	PR-	Line Islands,Kiribati	5.8881N	162.0942W	3	From 1962-04-06 to 1962-11-04
Palmyra Island	PR-IS	Line Islands,Kiribati	5.8881N	162.0942W	3	From 1962-04-06 to 1962-11-04
Palo	PLP	Leyte,Philippines	11.1650N	124.9790E	133	From 1975-10-01
Palo Alto--Branner	PAC	California,U.S.A.	37.4167N	122.1820W	83	From 1927-11-21 to 1965-05-31
Palomar	PLM	California,U.S.A.	33.3534N	116.8620W	1692	From 1939-09-07
Palomares Rd	LT18	California,U.S.A.	37.6313N	121.9560W	463	From 1969-06-29 to 1980-01-23
Palomares Road	PLC	California,U.S.A.	37.6313N	121.9560W	463	From 1969-06-29 to 1980-01-23
Palomares Road	CPLM	California,U.S.A.	37.6375N	121.9610W	317	From 1980-01-23 to 2008-07-16
Palomas, Salto - UY	PSAL	Uruguay	31.0824S	57.6077W	66	From 2018-01-31
Palomo	PALO	Costa Rica	9.7850N	83.8203W	1440	
Palomo	PAL1	Costa Rica	9.7830N	83.8240W	1500	
Palo Pinto	PLPT	Texas,U.S.A.	32.8128N	98.3158W	336	From 2017-08-08
Palora	PALA	Ecuador	1.6917S	77.9562W	908	
Palo Seco	VUE	Costa Rica	9.5312N	84.2795W	34	From 2002-10-01 to 2003-03-15
Palos Verdes	PVR	California,U.S.A.	33.7583N	118.3570W	340	From 1956-03-21 to 1981-09-30
Palos Verdes	PVPS	California,U.S.A.	33.7867N	118.4030W		
Palos Verdes	PVRC	California,U.S.A.	33.7522N	118.3710W	183	From 1981-09-30
Palo Verde	A494	Costa Rica	10.3465N	85.3503W	0	From 2000-01-01
Palo Verde	PLVR	Costa Rica	10.3480N	85.3510W	1475	
Palu	PCI	Sulawesi,Indonesia	0.9054S	119.8366E	150	From 1981-01-01
Palu	PLU	Turkey	38.7000N	39.9308E	979	From 1973-09-12
Palub	PALB	Xizang Zizhiqu,China	29.6533N	91.1330E	3675	From 2004-08-27
Paluzza	PLZA	Italy	46.5295N	13.0155E	609	From 2019-02-12
Palwal	PWAL	India	28.1487N	77.3320E	194	From 2017-12-05
Pamatai, Papeete	PPTF	Tahiti,French Polynesia	17.5896S	149.5652W	705	From 2009-04-25
Pamplona	EXPA	Spain	42.8140N	1.6250W	478	
Pamplona Cagayan	PACPP	Philippines	18.4590N	121.3530E	10	From 2015-12-01
Pamplona, Colombia	PAMC	Colombia	7.3395N	72.6995W	3676	From 2011-01-17
Panagyurishte	PGB	Bulgaria	42.5137N	24.1734E	574	
Panama	BASP	Panama	9.0249N	79.5536W	0	From 2008-10-16
Panamint Range	PANV	California,U.S.A.	36.3932N	117.0990W	1697	From 1988-04-01
Panamint Range	PGE	California,U.S.A.	36.3489N	117.0660W	1850	From 1987-11-28 to 1988-02-13
Panarea	PLI	Sicily,Italy	38.6281N	15.0619E	98	
Panarea 2	ME12	Sicily,Italy	38.6315N	15.0700E	119	From 2007-11-06 to 2010-01-31
Panarea IE	IPAN	Sicily,Italy	38.6393N	15.0702E	30	From 1985-01-01
Panarotta	PANI	Italy	46.0501N	11.3341E	1983	From 1982-01-01
Panbari	PNBI	Assam,India	26.5333N	93.4833E	350	
Panbu Gunsar	TAGA	Xizang Zizhiqu,China	29.7400N	91.4600E	3788	From 2006-01-19
Pancar Batu	PCBI	Sumatera,Indonesia	1.8900N	98.9253E	1000	
Pancar Gunung	PACI	Jawa,Indonesia	6.5928S	106.9100E	850	From 1991-10-01
Panciu	PANC	Romania	45.8723N	27.1477E	160	From 2016-01-27
Panda Hill	PDHT	Tanzania,United Republic of Tanzania	8.9832S	33.2417E	1340	From 1992-06-08
Pandan	PAP	Panay,Philippines	11.7335N	122.1150E		From 1977-04-28 to 1980-04-30
Pandan	PDP	Panay,Philippines	11.7143N	122.0962E		From 1980-04-01
Pan de Azucar	AC01	Atacama,Chile	26.1479S	70.5987W	346	From 2012-12-30
Panekirikiri	PAHZ	North Island,New Zealand	38.8574S	177.0544E	563	From 1987-03-24 to 2000-12-05
Pangkalan Bun	PBKI	Kalimantan,Indonesia	2.7047S	111.6697E	74	From 2005-01-01
Pangkal Pinang	PPBI	Bangka,Indonesia	2.1616S	106.1364E	64	From 2005-01-01
Pangkog	ST14A	Xizang Zizhiqu,China	31.7986N	89.6611E	4511	From 1998-07-25 to 1999-01-05
Panguipulli	LR03	Cautin	39.6322S	72.3456W	292	From 2015-08-28
Panguitch	S15A	Arizona,U.S.A.	37.6761N	112.3627W	2102	From 2007-05-15 to 2008-11-15
Panguna	PAA	Bougainville,Papua New Guinea	6.3006S	155.4910E	699	From 1972-12-04
Panhandle Gap, Mount Rainier	PANH	Washington,U.S.A.	46.8590N	121.6426W	2109	
Panimavida	ML02	Maule	35.7626S	71.4181W	237	From 2014-11-07
Panimavida	PAN	Linares,Chile	35.7517S	71.4032W	175	
Panjikon	PANJA	Tajikistan	38.6102N	69.0054E	1605	From 1981-01-02
Pank, Wackersville	P58A	Maryland,U.S.A.	39.4891N	77.3005W	139	From 2013-06-29
PANNARANO	PAN03	Italy	41.0097N	14.7034E	360	From 2014-01-01
Panoche/Babies Gulch CA	BABI	California	36.5159N	120.8530W	552	From 2018-10-01
Panorama	PAN1	Greece	40.5847N	23.0315E	132	From 2008-09-30
Panoramic Way, Berkeley	C043	California,U.S.A.	37.8685N	122.2485W	154	From 2010-07-13
Panormos, Dorida, Greece	PANR	Greece	38.3735N	22.2497E	149	From 2001-06-08
Pansheti	PNSH	Georgia	42.6351N	44.6163E	1794	From 2014-05-22
Panska Ves	PVCC	Czech Republic	50.5282N	14.5689E	311	
Pantabangan	PEP	Luzon,Philippines	15.8110N	121.1070E		
Pantanal (Brazil)	PANT	Brazil	18.9893S	56.6168W	271	From 2016-06-21
Pantano de Alfonso	XIII	Spain	38.2195N	1.5953W	329	
Pantelleria	PANTE	Italy	36.8103N	11.9950E	105	From 2018-05-09
Pantelleria	PZIN	Sicily	36.8121N	11.9729E	204	From 2017-12-13
Pantelleria	PTS	Sicily,Italy	36.8111N	11.9961E	100	
Pantelleria Cuddia di Mida	PTMD	Sicily,Italy	36.7884N	11.9933E	615	From 2010-07-13
Pantixeio	S026	Greece	38.3910N	23.5590E	180	
PanZhiHua	PZH	Sichuan	26.5033N	101.7425E	1190	From 2009-01-01
Paolisi	PAOL	Italy	41.0312N	14.5675E	715	From 2010-02-26
Paonia Res., N18	NCR18	Colorado	39.0234N	107.3610W	2046	
Papagayo	PAPA	Costa Rica	10.5902N	85.6760W	38	From 2000-06-18 to 2000-09-13
Papallacta	APS4	Ecuador	0.3709S	78.1064W	2887	
Papamoa	PARZ	North Island,New Zealand	37.7319S	176.2902E	180	From 1995-03-24 to 2002-12-08
Papanoa	PPNM	Guerrero,Mexico	17.3005N	101.0378W	260	
Papanui	PPHS	South Island	43.4945S	172.6068E	24	
Papa Simpson, Farm, Arcadia	141A	Louisiana,U.S.A.	32.6046N	92.9049W	91	From 2011-02-14 to 2012-11-12
Papasquiaro	PDIG	Sinaloa	25.0402N	105.3959W	1776	From 2014-04-07
Papayo	PPOM	Guerrero,Mexico	17.0200N	100.2400W	100	
Papeete	THT	Tahiti,French Polynesia	17.5690S	149.5740W	337	
Papeete	PPT	Tahiti,French Polynesia	17.5682S	149.5761W	258	
Papeete2	PPT2	Tahiti,French Polynesia	17.5896S	149.5764W	705	From 2008-11-27
Papenoo	PPN	Tahiti,French Polynesia	17.5308S	149.4320W	100	
Paphos	PPCY	Cyprus	34.8847N	32.3450E	60	From 1987-02-01 to 2013-07-31
Papudo	PACH	Valparaiso,Chile	32.5370S	71.4370W	692	
Paracas	PCS	Peru	13.8033S	76.2783W	100	
Parade	G28A	South Dakota,U.S.A.	45.0749N	100.9161W	709	From 2009-06-11 to 2011-05-07
Paradise	PARR	Nevada,U.S.A.	38.7707N	117.8965W	1774	
Paradis Home	SHVB	British Columbia,Canada	48.4723N	123.6360W	69	From 2003-02-27
Paradisi	PARAA	Greece	37.9467N	22.6407E	782	
Paradox Valley	PV07	Colorado,U.S.A.	38.4380N	108.6470W	2001	
Paradox Valley	PV06	Colorado,U.S.A.	38.3325N	108.4580W	2213	
Paradox Valley	PV10	Colorado,U.S.A.	38.3763N	109.0390W	2316	
Paradox Valley	PV09	Colorado,U.S.A.	38.4987N	109.1330W	2652	
Paradox Valley	PV08	Colorado,U.S.A.	38.5763N	108.6470W	2940	
Paradox Valley	PV01	Colorado,U.S.A.	38.1344N	108.5700W	2182	
Paradox Valley	PV02	Colorado,U.S.A.	38.2073N	108.7370W	2166	
Paradox Valley	PV15	Colorado,U.S.A.	38.3418N	108.4810W	2280	
Paradox Valley	PV03	Colorado,U.S.A.	38.2543N	108.8480W	2007	
Paradox Valley	PV04	Colorado,U.S.A.	38.3934N	108.9050W	1756	
Paradox Valley	PV05	Colorado,U.S.A.	38.0782N	109.0990W	2115	
Paragould	PGA	Arkansas,U.S.A.	36.0600N	90.6200W	152	From 1974-12-28 to 1992-02-29
Paraibuna	PARB	Sao Paulo,Brazil	23.3382S	45.6217W	767	From 1993-12-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Paraiso	PRS	California,U.S.A.	36.3317N	121.3700W	363	From 1961-01-01
Paraiso	PML3	Panama	9.0190N	79.6137W	17	
Paraso	REPA	Costa Rica,Costa Rica	9.8277N	83.8688W	1334	
P'arak'ar	PAAR	Armenia	40.1500N	44.3800E	890	From 1993-08-01
Paralimni	PHNC	Cyprus	35.0040N	34.0320E	175	From 1998-11-16 to 2013-07-31
Paralimni	PARAL	Cyprus	34.9940N	34.0400E	136	From 2013-07-01
Paralimni Civil Defence	PAR1C	Cyprus	35.0318N	33.9762E	64	From 2018-01-01
Paramo de la Osa	OSV	Venezuela	8.6410N	71.4870W	1780	
Paramo Marino	PDMV	Venezuela	8.3190N	71.8280W	2416	
Paran	PRNI	Israel	30.3519N	35.0046E	411	
Paranan	PRNN	Tocantins,Brazil	12.7200S	47.6800W	382	From 2012-06-07
Paranan- TO	RET5	Tocantins,Brazil	12.7200S	47.6800W	382	From 2012-06-07
Paranatinga-MT	PRNT	Mato Grosso,Brazil	14.5400S	54.0147W	650	From 2010-07-14 to 2012-03-07
Paran Flat	KRMI	Israel	30.1174N	34.7250E	468	From 2006-12-07
Parapanda	PARA	Spain	37.3052N	3.9065W	1328	
Paraskevi	PRK	Greece	39.2461N	26.2717E	100	
Parauapebas	PRPB	Para,Brazil	6.1724S	49.8150W	265	From 2013-10-02
Parau_RN	NBPA	Rio Grande do Norte,Brazil	5.7503S	37.1121W	92	From 2011-12-16
Paravola	PVO	Greece	38.6167N	21.5259E	185	From 2009-09-02
Parchiule	PARC	Italy	43.6486N	12.2386E	580	From 2008-04-01
Parco Tresine BS	TRES	Italy	45.4835N	10.5227E	192	
Parcperdue Array	LSU4	Louisiana,U.S.A.	30.0350N	92.0463W	-22	
Parcperdue Array	LSU2	Louisiana,U.S.A.	30.0785N	92.0315W	-24	
Parcperdue Array	LSU3	Louisiana,U.S.A.	30.0492N	92.0071W	-24	
Parcperdue Array	LSU1	Louisiana,U.S.A.	30.0733N	91.9821W	-23	
Parcperdue Array	LSU5	Louisiana,U.S.A.	30.0673N	92.0542W	-24	
Pardee, Santa Clarita	PDE	California,U.S.A.	34.4420N	118.5821W	328	From 1999-09-23
Paredones	QF17	Maule	34.6430S	71.8953W	77	
Parewanui	WSSZ	North Island,New Zealand	40.2403S	175.2275E	15	From 1982-10-15 to 1982-10-24
Parga	RGA	Greece	39.3212N	20.3544E	608	From 2007-11-06
Parga	PRGA	Greece	39.2855N	20.4016E	15	
Pariaguan	PARV	Venezuela	8.9650N	64.7960W	205	From 2002-04-04
PARIAGUAN	PRGV	Venezuela	8.7601N	64.6456W	175	From 2006-06-14
Pari Array Site 0	PAK0	Pakistan	33.6500N	73.2520E	0	
Paris	CURIE	France	48.8445N	2.3558E	30	
Paris	PAR	Ile-de-France,France	48.8094N	2.4936E	47	
Paris	J52A	Ontario,Canada	43.2407N	80.4764W	273	From 2012-12-01
Paris	P40A	Missouri,U.S.A.	39.5299N	92.0483W	225	From 2010-12-07 to 2012-09-12
Paris	R50A	Kentucky,U.S.A.	38.2816N	84.3274W	255	From 2012-06-17
Paritu Road	PRGZ	North Island,New Zealand	38.9226S	177.8833E	503	From 2006-07-23
Parker Dam,Lake Havasu City	PDMCI	Arizona,U.S.A.	34.3034N	114.1415W	144	From 2001-09-20
Parker Peak, Yellowstone National Park	YPK	Wyoming,U.S.A.	44.7318N	109.9219W	2897	From 2005-09-20
Parker Ranch, Bruneau	K11A	Idaho,U.S.A.	42.7713N	116.0323W	914	From 2007-02-06 to 2008-07-23
Parkersburg	K38A	Iowa,U.S.A.	42.6472N	92.7709W	306	From 2010-10-09 to 2012-10-23
Parkers Pond	PKN	Newfoundland,Canada	47.5858N	52.7833W	210	
Park Falls	F40A	Wisconsin,U.S.A.	45.9190N	90.1217W	486	From 2011-09-01 to 2013-07-11
Parkfield	PKD1	California,U.S.A.	35.8894N	120.4261W	431	
Parkfield Array	PPFM	California,U.S.A.	35.8818N	120.4130W	469	From 1968-01-11
Parkfield Array	PKF	California,U.S.A.	35.8818N	120.4130W	469	From 1968-01-11
Park Hill	PKH	California,U.S.A.	36.8563N	121.4060W	122	From 1970-08-17
Park Hill	HPHM	California,U.S.A.	36.8563N	121.4060W	122	From 1970-08-17
Park Rapids	D34A	Minnesota,U.S.A.	47.0851N	95.1952W	476	From 2010-08-25 to 2012-06-22
Parks Canada Compound	HGPB	British Columbia,Canada	53.2536N	132.1180W	34	From 2012-11-03
Parkston	J32A	South Dakota,U.S.A.	43.3719N	97.8476W	399	From 2010-07-24 to 2012-05-21
Parliment House Basement	PHB	Australian Capital Territory	35.3070S	149.1241E	609	From 2015-12-16
Parlin, N26	NCR26	Colorado	38.5063N	106.7255W	2450	
Parma	PARMO	Missouri,U.S.A.	36.6635N	89.7522W	85	
PARMA	PRMA	Italy	44.7637N	10.3131E	78	From 2008-06-04
Parndana	PARN	South Australia,Australia	35.8059S	137.2389E	140	
Parnis Oros	MPAR	Greece	38.1513N	23.7357E	1160	
Parod	GIF9	Israel	32.9330N	35.4410E	200	From 1993-05-01 to 1993-05-31
Parod	PARD	Israel	32.5573N	35.2609E	399	
Parque Anchorena, Colonia	ANCO	Uruguay	34.2753S	57.9655W	16	From 2018-01-14
Parque archeologico de Rumipamba	PARU	Ecuador	0.1772S	78.5008W	2918	From 2016-11-22
Parque de las Ciencias	APCG	Spain	37.1900N	3.5900W	0	
Parque del Teide	TPAR	Canary Islands	28.3047N	16.5669W	2062	From 2016-11-08
Parque Nacional Cabo Blanco, CR	PNCB	Costa Rica	9.5895N	85.0917W	41	From 1999-12-05
Parque Nacional Piedras Blancas, Golfito	PNPB	Costa Rica	8.6844N	83.2284W	110	From 2012-09-01
Parque Rincon de la Vieja	RIRI	Costa Rica	10.7882N	85.3652W	928	From 2011-09-20
Parques Nacional Chingaza	C1151	Colombia	4.6330N	73.7310W	3100	
Parque Tenorio	PTEN	Costa Rica	10.7148N	84.9870W	712	From 2000-01-01
Parrita	RITA	Costa Rica,Costa Rica	9.5210N	84.3310W	10	
Pars	IPAR	Iran	29.8419N	53.0485E	2603	From 2002-10-01
Parsons	PB-TN	Tennessee,U.S.A.	35.7361N	88.1361W	122	
Parsons	PB-	Tennessee,U.S.A.	35.7361N	88.1361W	122	From 1962-07-06 to 1962-07-11
Parsons Mountain	PRM	South Carolina,U.S.A.	34.0830N	82.3630W	254	From 1975-07-04
Partacoona	PNA	South Australia,Australia	32.0061S	138.1650E	180	From 1969-09-01 to 2001-09-26
Partapura	PTPR	Jammu and Kashmir,India	34.6100N	77.4600E	3430	From 2012-01-01
Partheni, N036	N036M	Greece	40.5942N	23.3661E	554	
Partlow Road	PTRD	Virginia,U.S.A.	38.1196N	77.6227W	75	
Paruwai Farm	PAWZ	North Island,New Zealand	41.3815S	175.4269E	567	From 2004-07-14
Parvadeh(Tabas)	TPRV	Iran	33.0281N	56.6858E	1022	From 2011-08-01
Parys	PRYS	Orange Free State,South Africa	26.9253S	27.3598E	1403	From 2004-03-01
Parys	PRY	Orange Free State,South Africa	26.9283S	27.4733E	1455	
Pasadena	PAS	California,U.S.A.	34.1484N	118.1711W	257	From 1927-03-17 to 2007-10-26
Pasadena Art Cn	PASC	California,U.S.A.	34.1714N	118.1852W	341	
Pasakaki Chania	PASK	Greece	35.4996N	24.0122E	8	From 2015-06-01
Pasciano cemetery	MZ19	Italy	42.6411N	13.2069E	1107	From 2016-09-27 to 2016-11-09
Pas de la Coche	PCHF	Rhone-Alpes,France	45.2182N	6.0304E	2010	From 1980-08-01
Pas du Roy	PRGF	Guadeloupe,France	16.0362N	61.6622W	1070	
Pasian Peak	PPH	Mindanao,Philippines	7.8492N	126.1872E		From 1980-01-18
PASIGHAT	PASG	Arunachal Pradesh,India	27.6449N	91.8666E	297	From 2011-01-15
Pasiripis	PASI	Jawa,Indonesia	6.6894S	105.5890E	220	From 1991-10-01
Paso Ancho	BC3P	Panama	8.8157N	82.6103W	1675	
Paso Canoas	LPPC	Costa Rica,Costa Rica	8.5327N	82.8390W	139	
Paso de los Toros, Tacuaremb	PDTT	Uruguay	32.8000S	56.5090W	0	From 2016-06-09
Paso Flores	PLCA	Rio Negro,Argentina	40.7328S	70.5508W	956	
Paso Real	FINA	Costa Rica	10.4338N	85.2083W	44	From 2004-01-01
Paso Robles	PPRM	California,U.S.A.	35.6477N	120.7010W	279	
Passcal Instrument Center, Socorro	Y22F	New Mexico,U.S.A.	34.0741N	106.9209W	1439	From 2016-09-17
PASSCAL Warehouse	TVZX	New Mexico,U.S.A.	34.0733N	106.9196W	0	From 2013-11-05
Passleys Farm, La Prairie	O41A	Illinois,U.S.A.	40.1156N	90.8820W	203	From 2011-06-10 to 2013-05-07
Passo dei Salati	SATI	Italy	45.8753N	7.8685E	3005	From 2009-12-07
Passo delle Capannelle	RM26	Italy	42.4569N	13.3563E	1404	From 2009-06-19 to 2010-03-03
Passo Gaver BS	GAVI	Italy	45.9200N	10.4578E	1500	
Pasto	CPAS2	Colombia	1.2210N	77.2510W	2641	
Pasto	PSTO	Patagonia	42.8112S	72.3648W	1310	From 2010-01-01
Pasto	PSO	Colombia	1.1919N	77.3253W	3010	
Pasto	CPAS1	Colombia	1.1890N	77.3220W	3227	
Pastocalle	PAST	Colombia	0.6942S	78.6418W	3461	From 2009-06-17
Pasture Canyon	PST	Utah,U.S.A.	39.5767N	110.3520W	2118	From 1962-01-01 to 1977-03-31
Pasuquin	PIP	Luzon,Philippines	18.3250N	120.6190E	150	From 1976-01-26
Patacocha	PATA	Ecuador	1.5033S	78.4335W	3725	
Patacocha	PAT1	Ecuador	1.5067S	78.4380W	3751	From 2008-08-20
Patallajta	BS02	Bolivia	19.1148S	65.0697W	2650	From 2011-09-23
Pataskala	O51A	Ohio,U.S.A.	40.1470N	82.6056W	380	From 2012-08-24
Pataudi	PTDI	India	28.3245N	76.7800E	229	From 2018-04-23
Patelzick Creek	PZCI	Idaho,U.S.A.	44.3410N	112.3170W	2073	From 1991-12-08
Paterno (AQ), Italy	MB09	Italy	42.5354N	13.2854E	907	From 2016-11-30 to 2016-12-12
Paterson	PNJ	New Jersey,U.S.A.	40.9071N	74.1548W	31	From 1972-03-01 to 1996-09-30
Paterson	PATW	Washington,U.S.A.	45.8819N	119.7535W	262	
Paterson 2	PAT2	Washington,U.S.A.	45.8836N	119.7578W	259	
Patience	SLPA	St Lucia	13.8537N	60.9190W	183	
Patillas Dam, Puerto Rico	PDPR	Puerto Rico	18.0181N	66.0222W	38	From 2012-03-15
Patnagarh Odisha,India	PATN	Orissa	20.7121N	83.1368E	244	From 2015-07-17
Patocco-Chiusaforte	PTCC	Italy	46.4053N	13.3533E	770	
Patos De Minas	PMNB	Minas Gerais,Brazil	18.5373S	46.4380W	949	
Patos, Paraiba, Brazil	PATB	Paraiba	7.0800S	37.2722W	268	From 2011-07-28 to 2013-02-23
Patquia	RTPR	La Rioja,Argentina	30.3022S	66.5114W		

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Patra B	PATG	Greece	38.2386N	21.7266E	1	
Patra C	PATC	Greece	38.2693N	21.7600E	47	
Patras	PAT4	Greece	38.2342N	21.7477E	28	From 2011-10-01
Patras	PAT	Greece	38.2364N	21.7467E	40	
PATRICIA PILAR	PILA	Ecuador	0.7267S	79.4685W	140	From 2016-04-19
Pattan	PPS1	Pakistan	35.1010N	72.9950E	747	From 2012-01-01
Pattaya	PATY	Thailand	12.9232N	100.8657E	39	
Patterson Ranch, Waldron	T33A	Kansas,U.S.A.	37.0824N	98.2444W	394	From 2009-10-15 to 2011-08-27
Patty Peak	PTPK	Alaska,U.S.A.	61.1874N	142.4650W	1933	
Pauahi	PUH	Hawaii,U.S.A.	19.3740N	155.2160W	994	From 1974-03-01
Paudash Township	D48A	Ontario,Canada	47.1743N	81.8072W	434	From 2012-10-27
Pau dos Ferros	PFBR	Rio Grande do Norte,Brazil	6.1216S	38.2708W	220	From 2007-01-01
Paularo	PLRO	Italy	46.5497N	13.1481E	1420	From 1988-01-01
Paulatuk	C36M	NorthWest Territories,Canada	69.3475N	124.0703W	10	From 2013-08-21
Pauline	PAULI	North Carolina,U.S.A.	34.8210N	81.8144W	178	
Paul Sauer Dam	PSR	Cape Province,South Africa	33.6800S	24.4100E	360	From 1988-01-01 to 2009-06-05
Paul Wright Trailer	PWTG	California,U.S.A.	38.2773N	119.2520W	1996	From 1979-11-15
Pauzhetka	PAU	Kamchatskaya Oblast',Russia	51.4669N	156.8111E	110	
Pavencul	PAVE	Chiapas	15.1937N	92.1765W	1847	
Pavia	PAV	Italy	45.1833N	9.1736E	77	
Pavia	EUCT	Italy	45.2026N	9.1349E	82	From 2006-06-26
Pavlia	S008	Greece	37.4950N	22.1420E	839	
Pavliani	VPA	Greece	38.7815N	22.3400E	1084	From 1982-10-01
Pavlikeni	PVL	Bulgaria	43.1226N	25.1731E	218	From 1965-01-01
Pavlof North-6	PN6	Alaska,U.S.A.	55.4528N	161.9205W	808	From 1996-07-01
Pavlof North-7A	PN7A	Alaska,U.S.A.	55.4326N	161.9982W	823	From 1996-07-01
Pavlof South-1A	PS1A	Alaska,U.S.A.	55.4212N	161.7422W	293	From 1996-07-01
Pavlof South-4	PS4	Alaska,U.S.A.	55.3540N	161.8682W	520	
Pavlof South-4A	PS4A	Alaska,U.S.A.	55.3460N	161.8561W	322	From 1996-07-01
Pavlof Volcano	PVV	Alaska,U.S.A.	55.3742N	161.7900W	164	
Pavook Mountain	PVK	Alaska,U.S.A.	63.4390N	171.5522W	411	From 1980-07-01 to 1989-01-01
Pawanui	PWZ	New Zealand	40.0297S	176.8620E	66	From 2001-01-30 to 2005-08-16
Pawanui	PXZ	North Island,New Zealand	40.0306S	176.8622E	103	From 2005-08-21
Pawlowsk	PAW	Leningradskaya Oblast'	59.6800N	30.4500E	36	From 1903-01-01 to 1904-12-31
Pawnee	U35A	Oklahoma,U.S.A.	36.3709N	96.7318W	303	From 2010-06-18 to 2012-02-12
Pawnee Station 44	OK044	Oklahoma,U.S.A.	36.3727N	96.7963W	290	From 2016-09-05 to 2017-03-16
Pawnee Station 45	OK045	Oklahoma,U.S.A.	36.4477N	96.9249W	284	From 2016-09-06 to 2017-03-16
Pawnee Station 46	OK046	Oklahoma,U.S.A.	36.3972N	96.9074W	294	From 2016-09-06 to 2017-03-20
Pawnee, Station 47	OK047	Oklahoma,U.S.A.	36.4689N	96.7236W	253	From 2016-09-07 to 2016-11-09
Pawnee Station 48	OK048	Oklahoma,U.S.A.	36.4162N	96.9437W	297	From 2016-09-08
Pawnee Station 50	OK050	Oklahoma,U.S.A.	36.3945N	96.9818W	315	From 2016-09-10 to 2017-03-17
Paxson	PAX	Alaska,U.S.A.	62.9699N	145.4699W	1150	From 1969-07-01
Payao	PAYA	Thailand	19.3603N	99.8692E	408	
Payeh	IPAY	Iran	36.4500N	58.9960E	2100	From 2004-06-01
Payette	I10A	Idaho,U.S.A.	44.0860N	116.8029W	782	From 2006-10-26 to 2008-07-19
Paynes Creek	O03E	California,U.S.A.	40.2946N	121.8021W	967	From 2012-10-08
Paynes Creek	O03D	California,U.S.A.	40.2947N	121.8018W	968	
Payson	PY-	Arizona,U.S.A.	34.2542N	111.3269W	1516	
Payson	PY-AZ	Arizona,U.S.A.	34.2542N	111.3269W	1516	
Pazar-Rize	PZAR	Turkey	41.1780N	40.8988E	80	From 2007-03-01
Peach Tree Valley	PTV	California,U.S.A.	36.1083N	120.7210W	506	From 1970-04-16
Peach Tree Valley	PPTM	California,U.S.A.	36.1083N	120.7210W	506	From 1970-04-16
Peaks-Kenny Pk	PKME	Maine,U.S.A.	45.2644N	69.2917W	108	From 2006-07-06
Pea Ridge	PEA	Alabama,U.S.A.	33.2553N	87.4943W	107	
Pea Ridge, Belzoni	Z44A	Mississippi,U.S.A.	33.2773N	90.4322W	39	From 2011-04-18 to 2013-02-04
Pea Ridge Mine	MMM	Missouri,U.S.A.	38.1300N	91.0400W	-244	
Pearl BPA Site DOGAMI SMO	PERL	Oregon,U.S.A.	45.2382N	122.7790W	68	From 2002-03-19
Pearl Lake	PLID	Idaho,U.S.A.	45.0877N	116.0003W	2194	
Pearson	355A	Georgia,U.S.A.	31.3438N	82.8518W	69	From 2012-03-14
Peavine Mountain	PEAR	Nevada,U.S.A.	39.6075N	119.9613W	2142	
Pechorkino, Salair, Kemerovskaya Oblast', Russia	SALR	Altayskiy Kray,Russia	54.4169N	85.7029E	250	From 2005-03-02
Pechory	PECR	Nizhegorodskaya Oblast',Russia	56.3167N	44.0833E		
Peckham Road	PKC	California,U.S.A.	36.9532N	121.6950W	94	From 1967-06-23
Peckham Road	HPRM	California,U.S.A.	36.9532N	121.6950W	94	From 1967-06-23
Peckham Road	AN8*	California,U.S.A.	36.9532N	121.6950W	94	From 1967-06-23
Pecos	PECS	Texas,U.S.A.	31.3705N	103.8670W	914	From 2017-02-01
Pedasi	PEDA3	Panama	7.5270N	80.0250W	69	
Pedasi@15	AZU2	Panama	7.5340N	80.0260W	66	
Pedernales	PDNS	Ecuador	0.1114N	79.9910W	139	From 2009-04-24
Pedernales	PEDR	Haiti	18.0362N	71.7461W	0	
Pedra_Branca-CE	NBPB	Ceara,Brazil	5.5432S	39.5837W	263	From 2011-05-29
Pedra do Cavalo	PDCR	Bahia,Brazil	12.5313S	39.1225W	220	From 1987-01-01
Pedras Altas	PLTB	Rio Grande do Sul,Brazil	31.7632S	53.6039W	397	
Pedregal, Chiriqui	PEDE3	Panama	8.3840N	82.4220W	42	From 2010-01-01
Pedro Bay	PDB	Alaska,U.S.A.	59.7878N	154.1920W	305	From 1979-02-22
Pedro Cerda	PED	South Shetland Islands	62.9394S	60.5850W	10	
Pedro de Valdivia	PECH	Antofagasta,Chile	22.5975S	69.6742W	0	
Pedro Dome	PJD	Alaska,U.S.A.	65.0350N	147.5080W	740	From 1967-01-01 to 1971-11-30
Pedrog??o	PDRG	Portugal	38.1079N	7.6383W	107	From 2007-06-28
Pedro II - PI	NBPS	Piaua,Brazil	4.3940S	41.4457W	713	From 2011-05-17
Pedro Velho	NBPV	Rio Grande do Norte,Brazil	6.4177S	35.2906W	91	From 2011-04-05
Peebles	Q51A	Ohio,U.S.A.	39.0260N	83.3456W	362	From 2012-06-26
Peechi	PCHI	Kerala,India	10.5310N	76.3460E	105	From 1999-09-01
Peel High School	AUPHS	New South Wales,Australia	31.1000S	150.8900E	404	From 2013-05-24
Peel River	H31M	Yukon Territories,Canada	65.8052N	134.3426W	642	From 2017-07-15
Peglio	PE3	Italy	43.6960N	12.4963E	530	From 2010-07-07
Pehcevo	PEHC	FYR Macedonia	41.7787N	22.9001E	1000	From 2017-10-10
Peine	PEI	Antofagasta,Chile	24.6833S	68.0667W	5000	
Peixe	PEXB	Tocantins,Brazil	12.1056S	48.3006W	350	
Peje	PEJK	Kosovo	42.6425N	20.2784E	822	From 2008-07-06
Pelados	CHP1	Peru	4.6719S	80.4911W	150	From 1979-12-01
Peldehue	PEL	Santiago,Chile	33.1436S	70.6853W	690	
Peleduy	PDY	Sakha,Russia	59.6333N	112.7003E	300	
Peleduy Array Beam Reference Point	PDYAR	Sakha,Russia	59.6553N	112.4408E	489	
Peleduy Array Site 01	PDY01	Sakha,Russia	59.6553N	112.4408E	447	From 1999-03-21
Peleduy Array Site 02	PDY02	Sakha,Russia	59.6583N	112.4478E	452	From 1999-03-21
Peleduy Array Site 03	PDY03	Sakha,Russia	59.6522N	112.4436E	467	From 1999-03-21
Peleduy Array Site 04	PDY04	Sakha,Russia	59.6583N	112.4331E	453	From 1999-03-21
Peleduy Array Site 05	PDY05	Sakha,Russia	59.6744N	112.4408E	452	From 1999-03-21
Peleduy Array Site 06	PDY06	Sakha,Russia	59.6578N	112.4756E	430	From 1999-03-21
Peleduy Array Site 07	PDY07	Sakha,Russia	59.6422N	112.4592E	425	From 1999-03-21
Peleduy Array Site 08	PDY08	Sakha,Russia	59.6408N	112.4200E	443	From 1999-03-21
Peleduy Array Site 09	PDY09	Sakha,Russia	59.6608N	112.4064E	446	From 1999-03-21
Peleduy Array Site 31	PDY31	Sakha,Russia	59.6175N	112.6361E	280	
Pelee Case Petit	PCM	Martinique,France	14.8155N	61.2105W	335	
Pelee Island, Stone Alvar Conservation Area	PLIO	Ontario,Canada	41.7505N	82.6284W	143	From 2009-06-03
Pelekh	GIF5	Israel	32.9370N	35.2440E	200	From 1993-03-01 to 1993-05-31
Pelican	S31K	Alaska,U.S.A.	57.9616N	136.2320W	34	From 2016-09-21
Pelican Cone	YPPC	Wyoming,U.S.A.	44.6480N	110.1925W	2932	
Pelion	Y56A	South Carolina,U.S.A.	33.7922N	81.3047W	154	From 2013-02-21
Pellescritta (Montereale)	RM33	Italy	42.5090N	13.2145E	1097	From 2010-09-03
Pemberton	PMB	British Columbia,Canada	50.5188N	123.0760W	400	From 1993-06-05 to 2004-11-10
Pembroke	PEMO	Ontario,Canada	45.6773N	77.2466W	180	From 2009-04-27
Pembroke	HPE	Wales,United Kingdom	51.9371N	4.7745W	355	From 1990-01-01
Pemiscott Bayou	PEBM	Missouri,U.S.A.	36.1131N	89.8623W	76	
Pen@16o@15n de Ve@15lez	PVLZ	Spain	35.1730N	4.3010W	0	
Penalolen	FSR	Santiago,Chile	33.4785S	70.5275W	781	
Pea Musera	YMUS	Spain	42.5838N	1.0202W	594	From 2010-05-01
Penas	PNS	Bolivia	16.2672S	68.4733W	3986	From 1963-01-01 to 1975-12-31
Penc	PENC	Hungary	47.7905N	19.2817E	250	
Pendagan	PENI	Sumatera,Indonesia	5.5667S	105.1710E	200	From 1991-10-01
Pen de Alhucemas	ALHU	Morocco	35.2133N	3.8900W	60	From 2008-01-16 to 2009-07-08
Pender Island	PIB	British Columbia,Canada	48.8167N	123.3170W	40	From 1975-11-01 to 1981-04-27
Pendleton	PT-	Oregon,U.S.A.	45.6111N	118.8839W	411	From 1962-01-26 to 1963-07-29
Pendleton	PNO	Oregon,U.S.A.	45.6120N	118.7630W	402	From 1975-06-01
Pendleton	PT-OR	Oregon,U.S.A.	45.6111N	118.8839W	411	From 1962-01-26 to 1963-07-29
Pendleton	F08A	Oregon,U.S.A.	45.7971N	118.7768W	487	From 2006-07-30 to 2008-06-05
Pendleton	U60A	North Carolina,U.S.A.	36.4718N	77.1596W	8	From 2013-04-23
Pengchaiyu	PCYT	Taiwan region	25.6294N	122.0713E	101	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Penghu	PNG	Taiwan region	23.5672N	119.5550E	11	
P'eng-hu	PHUB	Taiwan region	23.5133N	119.5720E	15	
Peninsula	PNL	Alaska,U.S.A.	59.6687N	139.3970W	579	From 1974-09-02
Penmaenmawr	WPM1	Wales,United Kingdom	53.2581N	3.9048W	353	From 1985-01-01
Penman	PENMO	Missouri,U.S.A.	36.4502N	89.6280W	85	
Pennisi	EPIS	Sicily,Italy	37.6508N	15.1237E	385	From 1994-10-01
Penn State University	WRPS	Pennsylvania,U.S.A.	40.7941N	77.8653W	320	
Penn State University - DuBois	PSDB	Pennsylvania,U.S.A.	41.1273N	78.7531W	437	
Penn State Wilkes-Barre	PSWB	Pennsylvania,U.S.A.	41.3055N	76.0152W	398	
Penn St. - Brandywine Campus	PSUB	Pennsylvania,U.S.A.	39.9274N	75.4514W	110	
Pennsylvania Geol. Surv.	PAGS	Pennsylvania,U.S.A.	40.2278N	76.7221W	120	
Penon de los Banos, D. F.	PBIG	Mexico D.F.,Mexico	19.4412N	99.0843W	0	
Penonome	PNME	Panama	8.4860N	80.3269W	79	From 2010-05-10
Penrod	PNR	Nevada,U.S.A.	38.8213N	118.7940W		
Pensacola	PEN	Florida,U.S.A.	30.4667N	87.1833W		
Pensacola State College	PJC	North America,U.S.A.	30.4806N	87.2011W		
Pentalofos	PENT	Greece	40.1958N	21.1384E	1090	From 2010-10-21
Pentalofos, N033	N033M	Greece	40.7441N	22.8772E	297	
Penteli	PTL	Greece	38.0489N	23.8647E	500	
Penticton	PNT	British Columbia,Canada	49.3167N	119.6170W	550	From 1960-01-01
Pentidattilo	ME09	Italy	37.9524N	15.7564E	244	From 2008-06-28 to 2010-01-31
Penuelas	PNP	Puerto Rico	18.0583N	66.6836W	200	From 1975-07-30
Penwortham, SA	PENW	South Australia	33.9293S	138.6208E	430	From 2019-01-20
Penzance	CPZ	England,United Kingdom	50.1560N	5.5835W	198	From 1981-01-01
Pequot Lakes	E35A	Minnesota,U.S.A.	46.5572N	94.4043W	409	From 2010-08-25 to 2012-07-29
Pera	PFPE	Portugal	37.1340N	8.3178W	33	From 1996-01-01 to 2009-05-30
Perakula, Nova	EE01	Estonia	59.2065N	23.6223E	8	From 2015-05-18
Peraleda del Zaucejo, Badajoz	E030	Spain	38.4684N	5.6264W	627	From 2007-09-16 to 2009-06-17
Peralta Trail, Apache Junction	Z16A	Arizona,U.S.A.	33.3410N	111.4273W	537	From 2007-03-15 to 2008-12-03
Peran	IPRN	Iran	36.2419N	52.3381E	1333	From 2000-08-01
Perchaven, Sanger	Z35A	Texas,U.S.A.	33.3308N	97.2530W	235	From 2009-11-11 to 2011-09-10
Perdaxius- Is Atzoris (CI)	SU13	Sardinia	39.1435N	8.6053E	170	From 2014-11-14 to 2015-09-01
Perdido Creek Ranch, Del Rio	631A	Texas,U.S.A.	29.4123N	100.5759W	344	From 2009-02-19 to 2011-01-21
Perez Zeledon	ZELE	Costa Rica,Costa Rica	9.3730N	83.7070W	729	
Perez Zeledon, Campus UNA, Perez Zeledon, San Jose	PSZE	Costa Rica	9.3826N	83.6775W	807	From 2010-06-03
Pergola	PRGL	Italy	43.5450N	12.8361E	273	From 2020-01-30
Perigny	PRYF	Poitou-Charentes,France	46.1635N	1.0507W	30	
Peris	PRS2	Romania	44.6794N	26.0193E	106	From 2015-10-09
Peristeri Attica	PER1	Greece	38.0119N	23.7027E	62	From 2012-09-01
Perivolia Chania	PERI	Crete	35.4825N	23.9928E	84	From 2015-06-01
Perm'	PR5R	Permskiy Kray,Russia	58.1047N	56.1265E	110	From 2004-03-16 to 2006-02-06
Permogore	PRGR	Arkangel'skaya Oblast',Russia	61.6362N	45.6272E	84	
Pernaja	PVF	Finland	60.5451N	25.8616E	45	From 1991-06-11
Pernice	PERS	Slovenia	46.6359N	15.1167E	795	
Perrin-Whitt Elementary School	FW03	Texas,U.S.A.	33.0396N	98.0652W	321	From 2016-10-17
Perris	PRR	California,U.S.A.	33.7800N	117.2330W	440	
Perris	PEC	California,U.S.A.	33.8919N	117.1610W	616	From 1970-01-01
Perry	K48A	Michigan,U.S.A.	42.8032N	84.1197W	273	From 2012-09-15
Perry	554A	Florida,U.S.A.	30.0841N	83.6836W	12	From 2012-02-13
Perry	K55A	New York,U.S.A.	42.7278N	78.0696W	482	From 2012-12-13
Perry Basin	PBU	Utah,U.S.A.	41.4682N	112.0100W	1625	From 1975-09-01 to 1981-11-30
Perryville	PRYA	Alaska,U.S.A.	55.9088N	160.1700W	20	From 1993-06-01
Perryville	PV-AR	Arkansas,U.S.A.	34.9294N	92.6700W	213	From 1962-06-15 to 1962-06-28
Perryville	PV-	Arkansas,U.S.A.	34.9294N	92.6700W	213	From 1962-06-15 to 1962-06-28
Persembe	PERT	Turkey	41.0792N	37.7358E	480	From 1994-06-01 to 1999-09-23
Persembe-Ordu	PRSB	Turkey	41.1044N	37.7752E	274	From 2012-03-22
Pertek	PTK	Turkey	38.8920N	39.3920E	1835	From 2004-08-30
Perth	PER	Western Australia,Australia	31.9527S	115.8390E	55	
Perugia	UPRP	Italy	43.0898N	11.0500E	319	From 2002-08-30
Perugia	PEG	Italy	43.1014N	12.3969E	495	
Perugia	PRG	Italy	43.1014N	12.3969E	495	
Pesaro	PRO	Italy	43.9167N	12.9167E		From 1976-06-01
Pesaro	PESA	Italy	43.9410N	12.8402E	221	From 2002-12-02
Pesaro	PS1	Italy	43.9167N	12.9167E		From 1976-06-01
Pescadero	PSD	California,U.S.A.	37.1990N	122.3480W	84	From 1970-11-25
Pescasseroli (AQ)	T0204	Italy	41.8666N	13.7809E	1371	From 2009-10-08 to 2010-01-22
Pesch	BD10	Nordrhein-Westfalen,Germany	51.0548N	6.4572E	80	From 2001-01-01 to 2006-11-30
Pescomaggiore	MI01	Italy	42.3580N	13.5098E	740	From 2009-04-07 to 2009-04-27
Pescosannita	PSB1	Italy	41.2234N	14.8108E	551	
Pescosannita	IPES	Italy	41.2333N	14.8333E	395	From 1999-01-01
PESCO SANNITA	PS009	Italy	41.2344N	14.8115E	401	From 1986-01-10
Pese, Herrera	PESE3	Panama	7.9080N	80.6130W	115	From 2010-01-01
Peshawar	PSH	Pakistan	33.9371N	71.4341E	456	From 1976-01-01
Peshawar	PES	Pakistan	34.0050N	71.5483E		
Peshkopia	PHP	Albania	41.6847N	20.4408E	728	
Pessada-Kefalonia	PSDA	Greece	38.1140N	20.5841E	48	From 2014-10-10
Petalidi	PET1	Greece	36.9639N	21.9255E	9	From 2011-10-01
Petatlan	PET2	Guerrero	17.5353N	101.2628W	80	
Petauke	PTZ	Zambia	14.2490S	31.3390E	1027	
Peterborough	PBR1	South Australia,Australia	32.9787S	138.8357E	555	From 2011-06-29
Peter Faust Dam	PETE	Queensland,Australia	20.4388S	148.4234E	140	
Peter Gray Mountain	PGY	New York,U.S.A.	43.7077N	74.0452W		From 1986-11-01
Petersbachel	PEB	Rheinland-Pfalz,Germany	49.0657N	7.6907E	331	
Petersburg	PBG	Alaska,U.S.A.	56.8010N	132.9277W	37	From 1995-04-19
Petersburg	PBV	Virginia,U.S.A.	36.9823N	77.5312W	49	From 1978-10-10 to 2004-09-30
Petersburg	PSA	Alaska,U.S.A.	56.8083N	132.9533W	17	From 1975-01-01
Petersburg	PBG1	Alaska,U.S.A.	56.7940N	132.9142W	75	
Petersburg	T33K	Alaska,U.S.A.	56.8144N	132.9524W	22	From 2016-08-16
Petersburg Public Schools	PPSA	Alaska,U.S.A.	56.8130N	132.9550W	25	
Peters Creek, San Mateo County	JPC	California,U.S.A.	37.2708N	122.2127W	257	From 2001-03-07
Peters Farms, Glenburn	B27A	North Dakota,U.S.A.	48.4044N	101.2600W	492	From 2009-08-05 to 2011-06-11
Peterson	PTR	Alabama,U.S.A.	33.2172N	87.4333W	122	From 1971-01-09
Peters Valley	PVN	New Jersey,U.S.A.	41.1957N	74.8697W	175	From 1973-02-01 to 1974-07-31
Petersville	L22K	Alaska	62.5258N	150.7703W	817	From 2019-10-17
Petit Bourg	GPTB	Guadeloupe,France	16.1961N	61.5947W	30	From 2005-02-01
Petit Monier	SLW	St Lucia	14.0203N	60.9384W	366	From 1978-06-25
Petit-Nobressart	PNBR	Luxembourg	49.7793N	5.8053E	379	From 2013-06-17
Petit Puy Manson	PYM	Auvergne,France	45.7505N	3.0078E	970	From 1980-06-01
Petnica	PTNS	Serbia	44.2467N	19.9357E	0	
Petorca	PTCH	Valparaiso,Chile	32.2635S	70.9300W	500	
Petoskey	G46A	Michigan,U.S.A.	45.3176N	84.8621W	239	From 2012-11-11
PETRACHIOAIA	PCHR	Romania	44.5852N	26.3090E	76	From 2008-11-14
Petralia Soprana	PETRA	Sicily,Italy	37.8335N	14.1148E	1547	From 2012-07-26
Petrana	MZ22	Italy	42.6475N	13.2917E	1015	From 2016-09-28 to 2016-10-26
Petresti	PETR	Romania	45.7230N	27.2310E	86	
Petrified Forest	W18A	Arizona,U.S.A.	35.1181N	109.7357W	1750	From 2007-05-01
Petrohue	LL03	Los Lagos	41.1384S	72.4034W	227	From 2015-02-12
Petrolia	PETL	California	40.2884N	124.3427W	53	From 2017-12-01
Petropavlovsk	PET	Kamchatskaya Oblast',Russia	53.0239N	158.6531E	68	
Petropavlovsk-Kamchatskiy Array Site A0	PEA0	Russia	53.1082N	157.6989E	400	
Petropavlovsk-Kamchatskiy Array Site A1	PEA1	Russia	53.1132N	157.6984E	391	
Petropavlovsk-Kamchatskiy Array Site A2	PEA2	Russia	53.1078N	157.7051E	381	
Petropavlovsk-Kamchatskiy Array Site A3	PEA3	Russia	53.1071N	157.6897E	415	
Petropavlovsk-Kamchatskiy Array site AOB	PEA0B	Kamchatskaya Oblast',Russia	53.1082N	157.6989E	380	
Petropavlovsk-Kamchatskiy Array Site B1	PEB1	Russia	53.1260N	157.6904E	369	
Petropavlovsk-Kamchatskiy Array Site B2	PEB2	Russia	53.1179N	157.7219E	367	
Petropavlovsk-Kamchatskiy Array Site B3	PEB3	Russia	53.1006N	157.7239E	406	
Petropavlovsk-Kamchatskiy Array Site B4	PEB4	Russia	53.0920N	157.6961E	432	
Petropavlovsk-Kamchatskiy Array Site B5	PEB5	Russia	53.1197N	157.6750E	430	
Petropavlovsk-Kamchatskiy Array site P	PETK	Kamchatskaya Oblast',Russia	53.1082N	157.6989E	400	
Petropavlovsk-Kamchatskiy Array site S2	PES2	Kamchatskaya Oblast',Russia	53.1096N	157.7226E	416	
PETROPAVLOVSK-KAMCHATSKY INFRASONIC ARRAY REFERENCE POINT	I44RU	Kamchatskaya Oblast',Russia	53.1058N	157.7139E	380	From 2006-10-30
Petropavlovskoye	PETS	Sakhalinskaya Oblast',Russia	46.7900N	142.5000E	35	
Petroterminal	PTP1	Panama	8.2047N	82.4282W	10	
Petroterminales	PTPM	Panama	8.2043N	82.8790W	63	
Petrova Gora	A254A	Croatia	45.3148N	15.8050E	543	From 2016-06-07
Petrulli	EPET	Sicily,Italy	37.7037N	15.1202E	630	From 1994-10-01
Pettibone, Tappen	D29A	North Dakota,U.S.A.	47.0605N	99.5957W	551	From 2009-08-05 to 2011-06-28
Pettigrew	V39A	Arkansas,U.S.A.	35.8389N	93.6450W	744	From 2011-01-29 to 2012-10-30

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Pettoranello del Molise	PET25	Italia	41.5663N	14.2578E	731	From 2018-12-10
Peulik 1	PLK1	Alaska,U.S.A.	57.8019N	156.6072W	78	
Peulik 2	PLK2	Alaska,U.S.A.	57.7642N	156.3243W	401	
Peulik 3	PLK3	Alaska,U.S.A.	57.6887N	156.2674W	494	
Peulik 4	PLK4	Alaska,U.S.A.	57.6321N	156.3577W	1031	
Peulik 5	PLK5	Alaska,U.S.A.	57.9977N	156.8777W	49	
Peulik Blue Creek	PLBL	Alaska,U.S.A.	57.6998N	156.8189W	461	
Peulik Whale Mountain	PLWL	Alaska,U.S.A.	58.0449N	156.3413W	0	
Peumo	U69B	O'Higgins,Chile	34.3707S	71.1762W	163	
Peyrins, 26231, Drome, Auvergne-Rhone-Alpes	A185A	France	45.1209N	5.0728E	420	From 2016-03-17
Pezza	BBB4	Italy	43.4239N	12.6864E	898	From 2011-02-09
Pezze di Greco (BR)	PE1	Italy	40.8050N	17.4230E	80	From 1983-07-01
Pfaffnau Reservoir	PFAFF	Switzerland	47.2303N	7.9094E	587	From 2012-08-01
Pfieffer Point	BPFM	California,U.S.A.	36.2300N	121.7720W	349	From 1973-12-18
Phalaborwa	PHW	South Africa	23.9505S	31.1388E	440	
Phantom Ranch, North Zulch	437A	Texas,U.S.A.	30.8292N	96.1386W	95	From 2010-02-18 to 2011-12-09
Phaplu	PHAP	Nepal	27.5150N	86.5842E	2488	From 2001-10-14 to 2002-10-27
Phare de Pertusato	BONIF	Corse,France	41.3746N	9.1947E	100	From 2011-10-18
Phelps	PHEL	New York,U.S.A.	42.9542N	77.0950W	188	
Phepeng	PHPEN	Botswana	25.4755S	22.8573E	1030	
Phidim	PHID	Nepal	27.1502N	87.7645E	1176	From 2001-10-22 to 2002-10-31
Philadelphia	PHI	Pennsylvania,U.S.A.	39.9589N	75.1750W	5	From 1934-07-01 to 1971-08-28
Philippi	PX-WV	West Virginia,U.S.A.	39.0761N	79.9111W	518	
Philippi	PX-	West Virginia,U.S.A.	39.0761N	79.9111W	518	
Philisteinsche Polder	PPB	Netherlands	52.6533N	4.6701E	0	
Philisteinsche Polder (Bergen)	PPB1	Netherlands	52.6526N	4.6700E	-14	From 2010-11-16
Philisteinsche Polder (Bergen)	PPB3	Netherlands	52.6526N	4.6700E	-164	From 2010-11-16
Philisteinsche Polder (Bergen)	PPB2	Netherlands	52.6526N	4.6700E	-89	From 2010-11-16
Philisteinsche Polder (Bergen)	PPB4	Netherlands	52.6526N	4.6700E	-239	From 2010-11-16
Phinny Hill Vineyards, Prosser	F07A	Washington,U.S.A.	45.8951N	119.9278W	227	From 2006-08-27 to 2008-12-03
Phitsanulok	PHIT	Thailand	17.1893N	100.4165E	113	
Phoenix Point, Boone	L37A	Iowa,U.S.A.	42.1246N	93.7546W	312	From 2010-11-08 to 2012-08-28
Phrae	PHRA	Thailand	18.4989N	100.2293E	186	
Phuduhudu	PHDHD	Botswana	20.1957S	24.5372E	956	
Phuket	PKDT	Thailand	7.8920N	98.3350E	53	
Phuket	PKT	Thailand	8.0800N	98.1900E		From 1994-07-01
Phulchoki	PKIN	Nepal	27.5770N	85.3965E	2300	From 2007-04-17
Phu-Lien	PLV	Vietnam	20.8060N	106.6290E	90	From 1924-01-01
Piacenza	PCN	Italy	45.0353N	9.7247E	55	
Piamonte	PMON	El Salvador	13.7122N	89.3144W	980	From 2013-03-04
Piancastagn	PCP	Italy	44.5413N	8.5452E	770	From 1989-03-15
Piano d'Api	EPAP	Sicily,Italy	37.6363N	15.1415E	295	From 1994-10-01
Piano di Cascina (Cagnano Amiterno)	RM09	Italy	42.4355N	13.1865E	1127	From 2009-04-07 to 2010-03-04
Piano Vulcano	PV6*	Sicily,Italy	38.3767N	14.9822E		From 1966-04-01 to 1966-05-01
Pian Palu'	DPAL	Italy	46.3352N	10.6133E	1813	From 2015-10-13
Piatra Neamt	PNT3	Romania	46.9346N	26.3625E	317	From 2015-09-21
Piatra Neamt	PTT	Romania	46.9347N	26.3861E	350	From 1987-01-15
Picacho	PICS	El Salvador	13.7394N	89.2550W	1960	From 1991-12-01
Picacho Peak	PIC	California,U.S.A.	32.9142N	114.6430W	263	
Picayune	PC-MS	Mississippi,U.S.A.	30.5558N	89.7825W	12	From 1966-11-12 to 1966-12-06
Picayune	PC-	Mississippi,U.S.A.	30.5558N	89.7825W	12	From 1966-11-12 to 1966-12-06
Piccione	A001	Italy	43.1671N	12.5206E	317	From 2011-02-09
PICH	PICHH	Bolivia	19.8107S	63.7239W	1676	From 1994-05-30 to 1995-08-08
Pichilemu	PICH	O'Higgins,Chile	34.3858S	72.0019W	30	
Pichilemu	BO03	O'Higgins	34.4961S	71.9612W	128	From 2014-10-29
Pichilemu	CHPI	O'Higgins,Chile	34.3904S	72.0033W	20	From 2010-05-06
Pichincha	GPNO	Ecuador	0.1530S	78.6222W	4040	
Pickens	PKO	Oklahoma,U.S.A.	34.3973N	95.0311W	264	From 1987-10-16
Pickering	PKRO	Ontario,Canada	43.9643N	79.0714W	197	From 2009-04-16
Pickett Peak	KPPM	California,U.S.A.	40.3460N	123.3620W	1762	
Pickford	PF-MI	Michigan,U.S.A.	46.0878N	84.4608W	259	From 1963-01-03 to 1963-06-17
Pickford	PF-	Michigan,U.S.A.	46.0878N	84.4608W	259	From 1963-01-03 to 1963-06-17
Pickle Lake	PKLO	Ontario,Canada	51.4987N	90.3522W	376	
Pickwick Lake	PWLA	Alabama,U.S.A.	34.9800N	88.0640W	204	From 1980-05-14
Pickwick Lake	PLAL	Alabama,U.S.A.	34.9824N	88.0755W	165	
Pico	PICO	Azores,Portugal	38.5008N	28.4256W	775	From 1989-05-26
Pico Bartolomeu	BART	Azores,Portugal	37.7772N	25.1689W	887	
Pico da Cruz	PCRZ	Azores,Portugal	37.8448N	25.7585W	845	
Pico das Favas	PFAV	Azores,Portugal	38.7113N	27.0844W	153	From 2004-08-01
Pico do Norte, Sta. Barbara	PSMN	Azores,Portugal	37.0031N	25.0654W	276	From 2003-02-12
Pico dos Bois	PBOI	Azores,Portugal	38.4362N	28.3754W	540	From 2005-08-01
Pico dos Padres	PPAD	Azores,Portugal	38.7006N	27.2872W	305	From 2003-03-01
Pico do Teixo	PTEI	Azores,Portugal	38.4950N	28.3565W	820	From 2006-03-01
Pico El Aguila	EAV	Venezuela	8.8550N	70.8230W	4204	
Pico Espejo	PMV	Venezuela	8.5333N	71.0500W	4765	From 1979-01-01 to 2001-08-14
Pico Herrero	APHE	Spain	36.9520N	3.6880W	1360	
Pico Tres Padres	PTVM	Mexico D.F.,Mexico	19.5930N	99.1130W	2230	
Pico Vermelho	PVER	Azores,Portugal	37.7970N	25.5140W	135	From 2003-01-01
Piedade	PIED	Azores,Portugal	38.4190N	28.0538W	235	From 1993-02-02
Pie de Palo	PPA	San Juan,Argentina	31.5156S	68.2686W	550	
Piedicolle (AQ), Italy	MB06	Italy	42.5227N	13.2622E	818	From 2016-11-30 to 2016-12-12
Piedimonte	EPMN	Sicily,Italy	37.8188N	15.1778E	470	From 1994-10-01
Piedmont	Y50A	Alabama,U.S.A.	33.8911N	85.7347W	248	From 2011-12-20
Piedmont	PDTN	Tennessee,U.S.A.	35.2733N	85.8495W	335	From 1985-09-19
Piedra	PDRA	Patagonia	42.8534S	72.3459W	1492	From 2010-01-01
Piedra Blanca	DR09	Dominican Republic	18.8113N	70.4166W	940	
Piedras Gordas	PGX	Baja California,Mexico	31.9620N	116.4420W	970	
Pieia	PIEI	Italy	43.5360N	12.5350E	665	From 2002-03-18
Pier 30 Seattle	PIER	Washington,U.S.A.	47.5835N	122.3409W	4	
Pierce County East Precinct	PCEP	Washington,U.S.A.	47.1119N	122.2901W	10	
Pierce County Firing Range	PCFR	Washington,U.S.A.	46.9898N	122.4409W	10	
Pierce County Mountain Detachment	PCMD	Washington,U.S.A.	46.8891N	122.3003W	239	
Pierce Ferry	PFA	Arizona,U.S.A.	36.1208N	114.0050W	417	From 1940-10-01 to 1952-06-30
Pierce Place, Pray	G17A	Montana,U.S.A.	45.3212N	110.7398W	1574	From 2007-10-20 to 2009-09-08
Pierce - Schroeder Farm, Trego	F38A	Wisconsin,U.S.A.	45.9588N	91.8775W	321	From 2011-08-27 to 2013-07-10
Pier house	PIRH	Turkey	40.8645N	28.9949E	15	From 2006-10-04
Pierpont	PPS	South Carolina,U.S.A.	32.8236N	80.0400W	4	From 1976-03-31
Piesco	J59A	New York,U.S.A.	43.4647N	74.5041W	541	From 2013-08-27
Pietermaritzburg	PTM	Natal,South Africa	29.6271S	30.4035E	671	
Pietermaritzburg	PIE	Natal,South Africa	29.6200S	30.3967E	656	From 1968-04-01 to 1999-08-25
Pietermaritzburg,KwaZulu Natal	PMBG	South Africa	29.5118S	30.5097E	656	From 2018-03-03
Pietralacroce	PCRO	Italy	43.6077N	13.5323E	165	From 2009-01-05
Pietralunga	PIET	Italy	43.4430N	12.4386E	573	From 2013-09-01
Pietralunga	TB03	Italia	43.4013N	12.4103E	580	From 2012-07-06
Pietralunga	TB02	Italia	43.3704N	12.4094E	691	From 2012-07-06
Pietralunga	CCN3	Italy	43.4219N	12.4403E	625	From 2011-03-15
Pietralunga - Aviosuperficie	ATPI	Italy	43.4507N	12.4022E	693	From 2009-03-17
Pietrapaola	PIPA	Italy	39.4851N	16.8158E	479	From 2008-07-02
Pietrapertosa	PTRP	Italy	40.5215N	16.0612E	1077	From 2003-12-05
Pietraperzia	CPTP	Sicily,Italy	37.4075N	14.1625E	560	From 2011-11-21
Pietraquaria	PTQR	Italy	42.0219N	13.4006E	957	
Pietraroja	PTRJ	Italy	41.3641N	14.5290E	1027	From 2007-01-18
Pieve de Saddi	D002	Italy	43.4208N	12.3795E	611	From 2011-03-15
Pieve di Cadore	PDC	Italy	46.4100N	12.3700E		
Pieve di Coriano (MN)	MIR06	Italy	45.0401N	11.0875E	17	From 2012-05-23
Pievefavera	PF6	Italy	43.1488N	13.1930E	425	From 2005-01-17
Pigeon Bay	PBS	South Carolina,U.S.A.	33.2790N	80.2640W	25	From 1974-05-20 to 1988-05-23
Pigeon Point	PIG	Trinidad and Tobago	11.1610N	60.8410W		
Pignataro Maggiore	PIGN	Italy	41.2003N	14.1802E	343	From 2011-02-24
Pigniu (Panix)	PANIX	Switzerland	46.8257N	9.1117E	1433	From 2011-08-05
Pignola, Italy	PGN3	Italy	40.5722N	15.7967E	882	From 2008-10-23
Pikevile	V50A	Tennessee,U.S.A.	35.6713N	85.1000W	287	From 2012-05-07
Pilaia Thessaloniki	PLA1	Greece	40.5557N	22.9888E	34	From 2011-05-01
Pilar	SET3	Azores,Portugal	37.8918N	25.7820W	300	From 1998-10-01
Pilar	PIL	Cordoba,Argentina	31.6683S	63.8833W	338	
Pilarcitos Creek	PCC	California,U.S.A.	37.5000N	122.3820W	91	From 1965-01-01
Pilar de la Horadada	EXPDH	Spain	37.8680N	0.7802W	41	
Pilbara Seismic Array Element 00	PSA00	Western Australia,Australia	21.5726S	119.8459E	244	From 2010-09-01
Pilbara Seismic Array Element A1	PSAA1	Western Australia,Australia	21.5767S	119.8363E	277	From 2010-09-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Pilbara Seismic Array Element A2	PSAA2	Western Australia,Australia	21.5627S	119.8468E	265	From 2010-09-01
Pilbara Seismic Array Element A3	PSAA3	Western Australia,Australia	21.5781S	119.8548E	365	From 2010-09-01
Pilbara Seismic Array Element B1	PSAB1	Western Australia,Australia	21.5689S	119.8219E	282	From 2010-09-01
Pilbara Seismic Array Element B2	PSAB2	Western Australia,Australia	21.5552S	119.8612E	348	From 2010-09-01
Pilbara Seismic Array Element B3	PSAB3	Western Australia,Australia	21.5933S	119.8549E	309	From 2010-09-01
Pilbara Seismic Array Element C1	PSAC1	Western Australia,Australia	21.5333S	119.8091E	283	From 2010-09-01
Pilbara Seismic Array Element C2	PSAC2	Western Australia,Australia	21.5626S	119.9008E	324	From 2010-09-01
Pilbara Seismic Array Element C3	PSAC3	Western Australia,Australia	21.6218S	119.8278E	325	From 2010-09-01
Pilbara Seismic Array Element D1	PSAD1	Western Australia,Australia	21.4547S	119.8301E	260	From 2010-09-01
Pilbara Seismic Array Element D2	PSAD2	Western Australia,Australia	21.6175S	119.9630E	400	From 2010-09-01
Pilbara Seismic Array Element D3	PSAD3	Western Australia,Australia	21.6433S	119.7798E	312	From 2010-09-01
Pilgrim Ck.	I17A	Wyoming,U.S.A.	43.9200N	110.5759W	2134	From 2007-09-19 to 2010-06-09
Pilgrimsrest, Mapumalanga, South Africa	PILG	South Africa	24.9320S	30.7090E	1915	From 2017-03-09
Pilot Hill	PHWY	Wyoming,U.S.A.	41.3016N	105.4578W	2645	
Pilot Hill -- Preliminary Site	PHWY1	Wyoming,U.S.A.	41.2855N	105.4453W	2666	
Pilot Knob	PLT	California,U.S.A.	32.7312N	114.7290W	61	From 1973-04-16
Pilot Point	R16K	Alaska,U.S.A.	57.5673N	157.5742W	38	From 2016-06-08
Pilot Rock	PK-	Oregon,U.S.A.	45.3175N	118.9092W	1036	From 1962-06-06 to 1962-06-28
Pilot Rock	PK-OR	Oregon,U.S.A.	45.3175N	118.9092W	1036	From 1962-06-06 to 1962-06-28
Pilot Rock	G08A	Oregon,U.S.A.	45.2904N	118.9595W	1318	From 2006-08-10 to 2008-12-03
PIN	CPIN	Costa Rica	9.6705N	84.3978W	363	From 2002-04-11 to 2002-10-01
Pin@16on Flat	XPFO	California,U.S.A.	33.6107N	116.4555W	1280	
Pinacate	PIX	Sonora	31.5600N	113.4600W	79	
Pinalito	DR3	Dominican Republic	19.2725N	70.7688W		
Pinalito	DR03	Dominican Republic	19.2725N	70.7688W	710	
Pinar	PINR	Spain	36.4990N	6.1183W	10	
Pinarbasi	PINB	Turkey	38.6769N	36.4027E	2288	From 2006-10-19 to 2013-06-01
Pinares de Mayari	PINC	Cuba	20.4870N	75.7910W		
Pinarhisar	PHSR	Turkey	41.6307N	27.5239E	263	From 2009-07-09
Pinatubo--East Slope	PINP	Luzon,Philippines	15.2190N	120.3340E	350	
Pinawa	PWM	Manitoba,Canada	50.1919N	96.0364W	274	From 1978-10-06 to 1984-05-15
Pinckard	351A	Alabama,U.S.A.	31.2753N	85.6036W	48	From 2012-02-02
Pindari Dam	PDDM	Queensland,Australia	29.3801S	151.2429E	499	
Pindiu	PDUI	Papua New Guinea	6.4470S	147.5110E	950	From 1988-06-16
Pine Canyon	AN1*	California,U.S.A.	36.5622N	121.6360W	305	From 1967-09-24 to 1976-12-31
Pine Canyon	BPCNC	California,U.S.A.	36.5734N	121.6269W	173	
Pine Canyon	BPCM	California,U.S.A.	36.5650N	121.6360W	268	From 1976-02-14
Pine Canyon	PNC	California,U.S.A.	36.5622N	121.6360W	305	From 1967-09-24 to 1976-12-31
Pine Creek	G29M	Yukon Territories,Canada	66.9116N	138.0223W	572	From 2017-08-17
Pine Creek	PINI	Idaho,U.S.A.	43.5076N	111.3460W	1932	From 1986-01-01
Pine Creek	PN-	Oregon,U.S.A.	43.7431N	118.5772W	1250	
Pine Creek	PN-OR	Oregon,U.S.A.	43.7431N	118.5772W	1250	
Pine Crest Farm, Angora	C36A	Minnesota,U.S.A.	47.7580N	92.8378W	410	From 2010-09-16 to 2012-08-02
Pinedale	PI3	Wyoming,U.S.A.	42.4417N	109.5790W	2164	From 1973-10-18 to 1973-12-11
Pinedale	PI4	Wyoming,U.S.A.	42.6283N	109.8930W	2194	From 1973-12-11 to 1974-02-22
Pinedale	PI5	Wyoming,U.S.A.	42.5671N	109.9120W	2273	From 1974-03-01 to 1976-01-31
Pinedale	PI6	Wyoming,U.S.A.	42.7262N	109.6060W	2225	From 1974-03-01 to 1976-01-31
Pinedale	PI7	Wyoming,U.S.A.	42.4397N	109.5730W	2179	From 1974-03-01 to 1976-01-31
Pinedale	PIN	Wyoming,U.S.A.	42.5825N	109.7170W	2225	From 1973-03-22 to 1973-06-08
Pinedale	PI-WY	Wyoming,U.S.A.	42.4528N	109.5486W	2170	From 1964-01-22 to 1964-04-29
Pinedale	PI-	Wyoming,U.S.A.	42.4528N	109.5486W	2170	From 1964-01-22 to 1964-04-29
Pinedale	PI1	Wyoming,U.S.A.	42.5953N	109.5450W	2195	From 1973-06-08 to 1973-08-13
Pinedale	PI2	Wyoming,U.S.A.	42.7750N	109.7400W	234	From 1965-03-01 to 1965-04-26
Pinedale	PI2WY	Wyoming,U.S.A.	42.7672N	109.5619W	2195	
Pinedale Array Beam Ref. Point	PDAR	Wyoming,U.S.A.	42.7667N	109.5579W	2214	
Pinedale Array Site 1	PD01	Wyoming,U.S.A.	42.7765N	109.5832W	2199	
Pinedale Array Site 10	PD10	Wyoming,U.S.A.	42.7595N	109.5570W	2216	
Pinedale Array Site 11	PD11	Wyoming,U.S.A.	42.7526N	109.5769W	2182	
Pinedale Array Site 12	PD12	Wyoming,U.S.A.	42.7551N	109.5631W	2186	
Pinedale Array Site 13	PD13	Wyoming,U.S.A.	42.7551N	109.5497W	2337	
Pinedale Array Site 2	PD02	Wyoming,U.S.A.	42.7782N	109.5664W	2218	
Pinedale Array Site 3	PD03	Wyoming,U.S.A.	42.7759N	109.5496W	2293	
Pinedale Array Site 31	PD31	Wyoming,U.S.A.	42.7667N	109.5579W	2214	
Pinedale Array Site 32	PD32	Wyoming,U.S.A.	42.7670N	109.5582W	2213	From 2010-10-27
Pinedale Array Site 4	PD04	Wyoming,U.S.A.	42.7660N	109.5744W	2185	
Pinedale Array Site 5	PD05	Wyoming,U.S.A.	42.7704N	109.5666W	2184	
Pinedale Array Site 7	PD07	Wyoming,U.S.A.	42.7704N	109.5445W	2331	
Pinedale Array Site 8	PD08	Wyoming,U.S.A.	42.7589N	109.5836W	2190	
Pinedale Array Site 9	PD09	Wyoming,U.S.A.	42.7618N	109.5672W	2208	
Pinedale Infrasonic Array Beam Reference Point	PDIAR	Wyoming,U.S.A.	42.7663N	109.5939W	2332	
Pine Flat Road	PFR	California,U.S.A.	38.7527N	122.7445W	1020	
Pine Grove	444A	Louisiana,U.S.A.	30.7153N	90.7463W	40	From 2011-03-09 to 2012-12-08
Pine Lake Middle School	PNLK	Washington,U.S.A.	47.5806N	122.0284W	10	
Pine Mountain	GPMM	California,U.S.A.	38.8475N	122.9463W	783	From 1973-09-21
Pine Mountain	VPIM	Oregon,U.S.A.	43.7908N	120.9450W	1932	
Pine Mountain	PEM	California,U.S.A.	34.1673N	117.8700W		From 1976-02-01
Pine Mountain	PINOR	Oregon,U.S.A.	43.8111N	120.8719W		
Pine Mountain	PMT	Oregon,U.S.A.	43.7909N	120.9450W	1924	From 1969-09-22 to 1984-01-17
Pine Mountain	WPMQ	Queensland,Australia	27.5357S	152.7360E	35	From 1977-03-18
Pine Mountain Observatory	PINE	Oregon,U.S.A.	43.7921N	120.9407W	1916	
Pine Nut	PNTR	Nevada,U.S.A.	39.0891N	119.5997W	2076	
Pine Pass	PPC	British Columbia,Canada	55.4000N	122.6170W		From 1969-07-01 to 1973-04-06
Pinerolo	PNI	Italy	44.9192N	7.3139E	585	From 1968-01-01 to 1990-12-31
Pines Island, New Caledonia	PINNC	New Caledonia	22.6129S	167.4465E	21	From 2011-10-21
Pine Spring	PSUT	Utah,U.S.A.	38.5337N	113.8547W	1999	From 2009-10-21
Pineville	PE-	West Virginia,U.S.A.	37.6147N	81.6653W	427	From 1962-07-06 to 1962-07-17
Pineville	PE-WV	West Virginia,U.S.A.	37.6147N	81.6653W	427	From 1962-07-06 to 1962-07-17
Pingelly	PING	Western Australia	32.5065S	116.9929E	308	
Pingrup, PIN	APIN	Western Australia	33.5165S	118.6143E	319	
Pingtan	PTTC	Taiwan region	25.5000N	119.7700E	0	From 2011-07-22
Pingtung City	TSPT	Taiwan region	22.6770N	120.4960E	25	From 1999-08-04
Pink Cliffs	PKCU	Utah,U.S.A.	37.4439N	112.3110W	2834	From 2009-10-24
Pinkham Creek	PNK	Montana,U.S.A.	48.7677N	115.0880W	1150	From 1971-02-01 to 1974-07-10
Pink Hill	W60A	North Carolina,U.S.A.	35.0528N	77.7133W	30	From 2013-03-09
Pinlang	TWG	Taiwan region	22.8207N	121.0720E	195	From 1972-09-25
Pinnacle	PCA	Alaska,U.S.A.	60.0967N	140.2570W	975	From 1974-09-05
Pinnacle	PINM	Alaska,U.S.A.	60.0959N	140.2525W	975	From 2003-06-01
Pinnacle Mountain	PNN	Alaska,U.S.A.	56.8050N	157.5830W	442	
Pinnacles	BPIM	California,U.S.A.	36.4900N	121.1680W	329	From 1975-07-03
Pino	PINO	Ecuador	0.1580S	78.6077W	4600	
Pinole Ridge	CPIM	California,U.S.A.	37.9889N	122.2150W	226	
Pinon	PBVM	Mexico D.F.,Mexico	19.4412N	99.0843W		
PINON FLAT INFRASONIC ARRAY REFERENCE POINT	I57US	California,U.S.A.	33.6059N	116.4533W	1251	From 2004-02-20
Pinon Flats	TPFO	California,U.S.A.	33.6060N	116.4544W	1275	From 2010-04-09
Pinotepa	PNIG	Guerrero,Mexico	16.3923N	98.1271W	350	
Pinotepa	PIO	Oaxaca,Mexico	16.3947N	98.1270W	200	
Pinto Mountains	PNMC	California,U.S.A.	33.9773N	115.8010W	1147	
Pinyon Flats Observatory	PFO	California,U.S.A.	33.6117N	116.4594W	1259	From 1982-10-01
Pinyon Peak	BPPM	California,U.S.A.	36.1687N	121.3780W	1591	From 1973-12-19
Piobbico	PIBC	Italy	43.5878N	12.5135E	351	From 2019-04-18
Pioggiola	PGF	Corse,France	42.5483N	8.9994E	1130	From 1989-11-15
Pioraco	PIO1	Italy	43.1782N	12.9838E	465	From 2011-03-30
Pipehead	PHDM	New South Wales,Australia	33.8470S	150.9690E	90	
Piper City	N44A	Illinois,U.S.A.	40.7953N	88.1333W	202	From 2011-10-16
Piper Mountain	PPK	California,U.S.A.	37.4249N	117.9063W	1855	
Pipestone	PP-	Minnesota,U.S.A.	44.0775N	96.1508W	533	
Pipestone	PP-MN	Minnesota,U.S.A.	44.0775N	96.1508W	533	
Piqa, Costa Abajo de Colsn	PINA	Panama	9.2540N	80.0636W	34	From 2004-10-01
Piqua	PIOH	Ohio,U.S.A.	40.1580N	84.2115W	301	
Pira-Piraso	VPP	Luzon,Philippines	14.0340N	121.0000E	10	
Pireas	PIR3	Greece	37.9572N	23.6520E	17	From 2012-11-01
PIREAS,	PIR1	Greece	37.9371N	23.6425E	45	From 2013-01-15
Piriac/mer	PIAC	Pays de la Loire,France	47.3691N	2.5392W	3	From 2008-05-08
Pirkuli	PQL	Azerbaijan	40.7890N	48.5930E	1481	From 2003-08-01
Pirkuli	PRLS	Azerbaijan	40.7850N	48.5900E	1448	From 1996-01-01
Pirmasens	PIR	Rheinland-Pfalz,Germany	49.2000N	7.6074E	400	From 1968-01-01
Pirpir	IPIR	Iran	32.6841N	50.8917E	2600	From 2000-09-01
Pirque	MT12	Metropolitana	33.7330S	70.5490W	727	From 2017-01-27
Pirque	PCH	Santiago,Chile	33.6208S	70.5139W	1010	From 1982-01-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Pisa	PII	Italy	43.7219N	10.5249E	66	
Pisa	PIS	Italy	43.5833N	10.6833E		
Pisagua	PSGC	Tarapaca,Chile	19.5972S	70.1231W	966	
Pisagua	PSGCX	Tarapaca,Chile	19.5972S	70.1230W	966	From 2012-01-01
Pisayambo	PIS1	Ecuador	1.0588S	78.3859W	3921	From 2012-06-14
Pisayambo	PISA	Ecuador	1.0585S	78.3855W	3931	From 1995-02-10
Pisciano	N001	Italy	43.3398N	12.4816E	690	From 2011-03-15
Pisco	PT06	Peru	13.8292S	76.3310W	220	
Pishtovo	PSV	Tajikistan	38.6000N	69.9000E		
Pistoia	PSL	Italy	44.0078N	10.9656E	810	
Pistoia Genio Civile	PSTA	Italy	43.9303N	10.9213E	103	From 2019-03-14
Pistol Creek	PCMT	Montana,U.S.A.	47.2152N	114.0278W	1873	
Piszkesteto	PSZ	Hungary	47.9184N	19.8944E	940	
Piszkesteto infrasound array 1	PSZI1	Hungary	47.9179N	19.8935E	984	From 2017-06-01
Piszkesteto infrasound array 2	PSZI2	Hungary	47.9165N	19.8958E	968	From 2017-06-01
Piszkesteto infrasound array 3	PSZI3	Hungary	47.9166N	19.8931E	957	From 2017-06-01
Piszkesteto infrasound array 4	PSZI4	Hungary	47.9183N	19.8908E	941	From 2017-06-01
Pital	ITAL	Costa Rica,Costa Rica	10.4510N	84.2720W	170	
Pitanga	PTGB	Parana,Brazil	24.7161S	52.0648W	907	
Pitcairn Island	PTCN	Pitcairn Island	25.0714S	130.0953W	223	
Pitcher Mountain	PNH	New Hampshire,U.S.A.	43.0942N	72.1358W	659	From 1976-01-01
Pitchstone Plateau	YPP	Wyoming,U.S.A.	44.2710N	110.8045W	2707	
Pithoragarh	PTH	Uttar Pradesh,India	29.5500N	80.2167E	1669	
Pitinga	PTGA	Brazil	0.7308S	59.9666W	137	From 1995-01-01
Piton Saint Espirit	SLPE	St Lucia	13.8431N	60.9952W	460	
Pitten	PIA	Austria	47.7175N	16.1931E	380	
Pitt Meadows	PIMB	British Columbia,Canada	49.2743N	122.6661W	43	
Pittsburgh	PIT	Pennsylvania,U.S.A.	40.4450N	79.9533W	273	From 1929-01-01 to 1962-01-31
Pittston Farm, Pittston Academy Grant	F62A	Maine,U.S.A.	45.8968N	69.9664W	331	From 2013-09-27
Pium - TO	RET10	Tocantins,Brazil	10.4308S	49.0985W	266	From 2012-05-02
Piusa Caves, Orava	EE07	Estonia	57.8414N	27.4674E	75	From 2016-05-27
Piute Mountains	PIU	California,U.S.A.	34.7403N	115.0940W	1209	From 1974-04-01 to 1976-10-31
Piute Reservoir	PUU	Utah,U.S.A.	38.3633N	112.2800W	2598	
Piuthan	PYUN	Nepal	28.1000N	82.9900E	1867	From 1994-04-01
Piva	PIV	Solomon Islands,Papua New Guinea	6.2000S	155.0580E	60	
Piyaya bomas	LL66	Tanzania	2.6123S	35.4842E	1642	From 2013-01-21 to 2014-12-06
Pizarro, Choco	PIZC	Colombia	4.9650N	77.3600W	38	From 2014-01-10
Pizona Creek	PZC	California,U.S.A.	37.9652N	118.5683W	2103	
Pizzano Val di Parma - PR	RE07	Italy	44.5259N	10.1984E	745	From 2008-12-27 to 2009-02-12
Pizzo Deneri	EPDN	Sicily,Italy	37.7670N	15.0173E	2820	From 1989-08-01
Pizzo Felice	EPZF	Sicily,Italy	37.8240N	14.8570E	1140	From 1990-04-01
Pizzolo (AQ)	T1247	Italy	42.4416N	13.2983E	835	From 2016-08-28 to 2018-07-05
Pizzo Paviglione	EPPA	Sicily,Italy	37.7888N	14.9078E	1275	From 1994-10-01
Placanica	PLAC	Italy	38.4494N	16.4383E	602	From 2005-10-18
Placerville	I11A	Idaho,U.S.A.	43.9121N	115.9578W	1288	From 2006-11-16 to 2008-07-21
Plaine Madeleine, ILLGRABEN, VS	ILL17	Switzerland	46.2759N	7.5950E	1959	From 2018-05-15
Plains	T30A	Kansas,U.S.A.	37.0526N	100.5274W	778	From 2009-04-09 to 2011-03-11
Plaka, Milos Island	MHLA	Greece	36.7450N	24.4219E	200	From 2011-09-14
Plampang	PLAI	Sumba,Indonesia	8.8275S	117.7765E	123	From 2011-03-04
Plana	PLNA	Bulgaria	42.4762N	23.4255E	1245	
Planckstadt TMO26	A128A	Germany	49.3986N	8.5963E	104	From 2015-10-15
Planet X, Gerlach	PLTX	Nevada,U.S.A.	40.7068N	119.4677W	1184	From 2016-05-13
Plano	RFTA	Texas,U.S.A.	33.0122N	96.6902W	200	
Plant 15--Mercuryville	GFTM	California,U.S.A.	38.7930N	122.8340W	755	
Planta Incahuasi	SOTI	Bolivia	19.8251S	63.6576W	1170	From 2016-03-25
Planta Morelos	PLMO	Baja California	32.5238N	115.0370W	18	
Plasencia	EPLA	Spain	40.0642N	6.0803W	591	From 1985-08-01
Plata	PLAT	Spain	36.1226N	5.7655W	414	
Platanillo	PLIG	Guerrero,Mexico	18.3923N	99.5023W	875	
Plateau Road	PRRZ	North Island,New Zealand	38.4989S	176.3929E	334	From 2007-11-12
Platees	VIL2	Greece	38.2118N	23.2680E	422	From 2008-12-29
Platillon	PLAV	Venezuela	9.8740N	67.5024W	1830	From 1984-01-01
Platte Center	PCNE	Nebraska,U.S.A.	41.5392N	97.4275W	482	
Plattsburgh	PNZ	New York,U.S.A.	44.8354N	73.5770W	215	
Plattsburgh	PNY	New York,U.S.A.	44.8342N	73.5550W	177	From 1971-08-01 to 2004-03-11
Plauen	PLN	Thuringen,Germany	50.4851N	12.1573E	432	
Plav	PVY	Montenegro	42.5945N	19.9587E	1303	From 1984-11-01
Playa Azul, MARB	CMARB	Costa Rica	10.0630N	85.7544W	48	From 1999-12-07 to 2000-02-24
Playa Garza	GRZA	Costa Rica	9.9155N	85.6356W	39	From 2000-01-01
Playa Grande, GRAN	CGRAN	Costa Rica	10.3404N	85.8458W	28	From 1999-12-06 to 2000-06-19
Playa Hermosa, COND	COND	Costa Rica	10.5798N	85.6736W	47	From 1999-12-06 to 2000-08-27
Playa Negra, Guanacaste	PNE2	Costa Rica	10.1951N	85.8289W	40	From 2000-01-01
Playas de Tijuana	PLATJ	Baja California	32.5056N	117.1230W	27	From 2013-10-24
Playas El Morro	MORR	Ecuador	2.6405S	80.3380W	50	From 2012-05-17
Playas - Guayaquil	APLA	Ecuador	2.6363S	80.3925W	8	From 2011-11-16
Playas Peak, Playas	220A	New Mexico,U.S.A.	31.9041N	108.5266W	1395	From 2008-02-15 to 2009-12-10
Playas-San Antonio	PLAY	Colombia	2.5425S	80.3840W	35	From 2008-12-15
Playitas	PYTN	Nicaragua	12.5377N	86.0577W	460	
Playitas	PYT	Nicaragua	12.5282N	86.0647W	460	From 1975-01-01
Plaza Santa Maria, B11	B11MX	Baja California	32.1617N	116.8833W	375	
Plaza Santa Maria, STM	STMMX	Baja California	32.1550N	116.8900W	145	
Pleasant Camp	PLBC	British Columbia,Canada	59.4567N	136.3650W	280	From 1990-09-20
Pleasant Grove	PGM	Mississippi,U.S.A.	34.4640N	90.1125W	105	From 1979-08-24
Pleasanton	CPNM	California,U.S.A.	37.6502N	121.8620W	200	From 1980-01-01
Pleasant Valley	JPLM	California,U.S.A.	36.9770N	121.8320W	158	
Pleasant Valley	PEV	California,U.S.A.	36.9770N	121.8320W	158	
Pleasantville	M38A	Iowa,U.S.A.	41.4175N	93.1965W	258	From 2010-11-11 to 2012-08-29
Pleito Hills	PLEC	California,U.S.A.	34.9685N	119.0680W	1082	
Plekhanov	TI2	Georgia,Georgia	41.7333N	44.7500E	420	From 1978-01-01
Pleven	PLVB	Bulgaria	43.3870N	24.6207E	199	From 2012-11-20
Pleven - 22200 - C´tes-d'Armor - Bretagne - France	PLEF	Bretagne	48.4941N	2.3334W	93	From 2018-07-16
Plevna	PLVO	Ontario,Canada	45.0396N	77.0754W	279	From 2009-04-29
Plitvice	PLIT	Croatia	44.8784N	15.6231E	616	From 2015-09-29
Pljevlja	PLE	Montenegro	43.3300N	19.3889E	1230	From 1983-12-25
Plockton	KPL	Scotland,United Kingdom	57.3391N	5.6527W	36	From 1986-04-18
Ploemeur	PLOF	Bretagne	47.7460N	3.4290W	80	From 2018-04-06
Ploiesti	PLS3	Romania	44.9273N	26.0167E	152	From 2015-08-27
PLOIESTI	PPF	Romania	44.9314N	26.0201E	151	From 2008-11-18
PLOIESTI	PLAR	Romania	44.9142N	26.0274E	146	From 2008-11-19
Plomelin	OLIV	Bretagne	47.9229N	4.1439W	37	From 2018-01-29
Plons/SG	PLONS	Switzerland	47.0492N	9.3807E	1020	From 2002-05-21
Plostina	PLOR	Romania	45.8512N	26.6498E	657	From 2004-09-01
Plostina	PLOR7	Romania	45.8603N	26.6405E	757	From 2010-04-14
Plostina Array site 1	PLOR1	Romania	45.8520N	26.6466E	706	From 2007-10-07
Plostina Array site 2	PLOR2	Romania	45.8502N	26.6437E	701	From 2007-10-07
Plostina Array site 3	PLOR3	Romania	45.8540N	26.6455E	722	From 2007-10-07
Plostina Array site 4	PLOR4	Romania	45.8512N	26.6498E	680	From 2007-10-07
Plostina Array site 5	PLOR5	Romania	45.8455N	26.6635E	650	From 2009-01-19
Plostina Array site 6	PLOR6	Romania	45.8420N	26.6416E	720	From 2009-01-19
Plovdiv	PLD	Bulgaria	42.1469N	24.7475E	198	From 1983-08-01
Plymouth	PLY	Trinidad and Tobago	11.2170N	60.7790W	9	
PNUE	PNUE	Costa Rica	9.8411N	85.3352W	21	From 1999-12-07 to 2000-06-17
Poas	POA	Costa Rica	10.1523N	84.2171W	2093	From 1984-03-17 to 1986-05-06
Poas 2	POA2	Costa Rica	10.1772N	84.2508W	2500	From 1986-05-06
Poasito	TERP	Costa Rica	10.1690N	84.1923W	2023	
Poasito	VPTE	Costa Rica,Costa Rica	10.1718N	84.1985W	2109	
Poatina	POAT	Tasmania,Australia	41.8173S	146.9033E	834	
Poblet	EPOB	Spain	41.3527N	1.0786E	890	
Pocatello Creek	PTI	Idaho,U.S.A.	42.8703N	112.3700W	1670	From 1984-11-01
Pocatky	POCA	Czech Republic	50.3193N	12.4346E	800	
Potky	POCW	Czech Republic	50.3200N	12.4270E	790	From 2004-04-01
Pochutla	PLO	Oaxaca,Mexico	15.7402N	96.4583W	280	
Pocone	POCN	Mato Grosso	16.6213S	56.7343W	116	From 2016-05-03
Pocosol	SOCE	Costa Rica,Costa Rica	10.3830N	84.6180W	450	
Pocri, Los Santos	PCRI3	Panama	7.6600N	80.1180W	70	From 2010-01-01
Podere del Sole	SF11	Italy	42.8686N	11.6789E	831	From 2016-03-23
Podgorica	TTG	Montenegro	42.4302N	19.2553E	97	From 1960-01-01
Podgorica	PDG	Montenegro	42.4302N	19.2553E	97	From 1960-01-01
Podgornoye	PDGK	Kazakhstan	43.3290N	79.4900E	1400	From 1987-10-25 to 1996-11-15

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Podkova	PDK	Kamchatskaya Oblast',Russia	56.1400N	160.7800E	800	
Podkum	PDKS	Slovenia	46.0612N	14.9978E	679	
Pofadder	POF	Cape Province,South Africa	29.3817S	19.9500E	940	From 1986-01-01 to 2000-09-01
Poggio Cancelli	RM32	Italy	42.5702N	13.2932E	1362	From 2009-09-18 to 2010-02-15
Poggio Castellaccio	ATPC	Italy	43.4807N	12.4570E	609	From 2009-01-26
Poggio di Roio	T0108	Italy	42.3354N	13.3765E	1013	From 2009-04-09 to 2009-11-26
Poggiodomo (PG)	T1217	Italy	42.7119N	12.9313E	1003	From 2016-08-26 to 2017-05-23
Poggio Pratacci	SF01	Italy	42.8119N	11.5633E	830	From 2016-03-12
Poggio Santa Maria	T0101	Italy	42.3308N	13.3026E	850	From 2009-04-06
Poggio Sant'Ercolano (Gualdo Tadino) PG	AT06	Italy	43.2315N	12.7115E	619	From 2010-04-20
Poggio Sodo	PGD	Italy	43.8753N	11.7214E	500	
Poggio Vitellino	MZ21	Italy	42.6516N	13.2675E	1046	From 2016-09-28 to 2016-11-10
Pogoanele	PGOR	Romania	44.9080N	26.9846E	98	From 2004-05-06
Pogradec	POGR	Albania	40.8996N	20.6790E	709	From 2014-12-17
Pogromni	WPOG	Alaska,U.S.A.	54.5970N	164.7450W	445	
Pogue Cattle Company, Sulphur Springs	Z37A	Texas,U.S.A.	33.1981N	95.6229W	146	From 2010-04-26 to 2012-01-21
Pohakuloa	POHA	Hawaii,U.S.A.	19.7575N	155.5325W	1967	
Pohang	KSPHA	Republic of Korea	36.1929N	129.3708E	39	From 2004-12-20
Pohang	KSPOH	Republic of Korea	36.0245N	129.3758E	1	
Pohang	PHN	Republic of Korea	36.0300N	129.3600E		
Pohnpei	PATS	Caroline Islands,Micronesia	6.8367N	158.3125E	10	
Pohoiki	POH	Hawaii,U.S.A.	19.4570N	154.8540W	16	
Poiana Mare	PMRF	Romania	45.3328N	25.9374E	1164	
Point Arena AFB	GAFM	California,U.S.A.	38.8932N	123.5380W	710	
Point Barrow	PTB	Alaska,U.S.A.	71.1333N	156.8000W		
Point Dume	PT2	California,U.S.A.	34.0042N	118.8060W	40	
Pointe Anglais	ICQ	Quebec,Canada	49.5217N	67.2719W	58	From 1991-01-08
Pointe-a-Pierre	TPP	Trinidad and Tobago	10.3170N	61.4510W	46	
Pointe Carleton	PCAQ	Quebec	49.7311N	62.9416W	15	From 2015-09-17
Pointe Michel	DPMT	Dominica	15.2609N	61.3770W	50	
Pointe Molloy	PMK	Kerguelen Islands,France	49.3609S	70.0669E	22	
Pointe noire	GCPN	Guadeloupe,France	16.2344N	61.7883W	15	From 2007-02-01
Point Hope	I49A	Michigan,U.S.A.	43.9400N	82.8246W	217	From 2012-10-17
Point Lisas	PLS	Trinidad and Tobago	10.4130N	61.4900W		From 1977-10-01 to 1978-06-01
Point Lookout	PLVA	Virginia,U.S.A.	36.6673N	81.1582W	1353	From 1982-11-30 to 2008-02-13
Point Molate	CPMM	California,U.S.A.	37.9490N	122.4080W	116	
Point of Rocks Canyon, Magdalena	Y21A	New Mexico,U.S.A.	34.0087N	107.6740W	2168	From 2008-01-31 to 2009-12-05
Pt. Pinole Regional Park (East Bay Regional Park) California	PINL	California	38.0095N	122.3663W	18	From 2018-09-01
Point Pleasant	PPLM	Missouri,U.S.A.	36.4034N	89.5831W	82	
Point Reyes	NPRM	California,U.S.A.	37.9965N	123.0160W	165	
Point Reyes	PRC	California,U.S.A.	38.0800N	122.8670W	404	
Point Sur Hydrophone	PSUR	California,U.S.A.	36.3016N	122.3933W		
Pokaka	PKVZ	North Island,New Zealand	39.2893S	175.3464E	770	From 2005-03-15
Poker Plat Research Range	POKR	Alaska,U.S.A.	65.1171N	147.4335W	501	From 2012-10-02
Pola	POL	Croatia	44.8667N	13.8500E	32	
Poland Farm, Powhatan	S58A	Virginia,U.S.A.	37.6126N	78.0511W	96	From 2013-04-04
Polatl-ANKARA	POLA	Turkey	39.7005N	32.1677E	1068	From 2019-07-01
Polavaram	PVM	Andhra Pradesh,India	17.2493N	81.6239E	40	From 2008-08-27
Polcenigo	POLC	Italy	46.0266N	12.5005E	150	From 2008-07-17
Pole Canyon	PCY	Utah,U.S.A.	38.3330N	112.9010W	2033	
Pole Creek	PCID	Idaho,U.S.A.	43.9137N	114.7780W	2262	From 1992-12-01
Pole Mountain	PMW	Wyoming,U.S.A.	41.2100N	105.3350W	2440	From 1961-12-08 to 1963-08-31
Pole Mountain	PM-WY	Wyoming,U.S.A.	41.2075N	105.3608W	2469	From 1961-11-25 to 1963-07-10
Pole Mt.	PM-	Wyoming,U.S.A.	41.2075N	105.3608W	2469	From 1961-11-25 to 1963-07-10
Poleta Canyon	POCCA	California,U.S.A.	37.3622N	118.2801W	1799	
Police Camp, Mukachet	MUKA	Ethiopia,Ethiopia	12.0642N	36.3737E	877	From 2014-04-17 to 2017-12-01
Police station, Argostoli (Cefalonia, Greece)	KES20	Greece	38.1631N	20.4975E	62	From 2014-02-04 to 2014-05-20
Police Station, Guba	GUBA	Ethiopia,Ethiopia	11.2707N	35.2893E	904	From 2014-03-28 to 2017-12-01
Police Station, Gubleck	GUBL	Ethiopia,Ethiopia	11.1788N	36.0052E	919	From 2014-03-30 to 2017-12-01
Police Station, Sherkole	SHERE	Ethiopia,Ethiopia	10.5942N	34.7862E	821	From 2014-03-29 to 2017-12-01
Polichnitos, Lesvos	EAG1	Greece	39.0865N	26.2225E	211	
Polichno	POLL	Slovakia	48.3578N	19.1575E	550	From 2002-10-01
Poli, CM28	ACM28	Cameroon	8.4690N	13.2370E	429	
Poligiros	POL1	Greece	40.3799N	23.4411E	560	From 2008-09-30
Polilio Island	POLP	Luzon,Philippines	14.7280N	121.9390E	32	
Polino	PO9	Italy	42.5806N	12.8836E		
Polino	POI	Italy	42.5806N	12.8836E	1200	
Poliokeawe Pali	PWH	Hawaii,U.S.A.	19.2837N	155.2250W	169	From 1973-05-23
Polipetro, N031	N031M	Greece	40.8867N	22.5255E	194	
Pollina	PLLN	Sicily,Italy	37.9919N	14.1436E	762	
Polly Butte	POB	California,U.S.A.	33.6867N	116.9230W	1003	
Polo	PODR	Dominican Republic	18.1663N	71.2810W	1678	
Poltava	NE58	Ukraine	49.6030N	34.5430E	166	
Poltava	PLTM	Ukraine	49.6050N	34.5450E	159	
Poltavka	PLTR	Primorskiy Kray	44.0270N	131.3250E	105	From 2018-02-01
Polydoro, N005	N005M	Greece	39.6386N	20.5694E	248	
Polydroso, N004	N004M	Greece	39.6125N	20.4861E	736	
Polygyros	PLG	Greece	40.3739N	23.4456E	580	
Polykladiko Chania	POLY	Crete	35.5226N	24.0602E	160	From 2017-01-10
Pomanovo	PR1R	Permskiy Kray,Russia	59.1846N	56.7446E	160	
Pomariorio	PMO	Tuamotu,French Polynesia	15.0017S	147.8942W	2	
Pomariorio Reef	PMOR	Tuamotu,French Polynesia	15.0022S	147.8942W	2	
Pomeroy	PH-WA	Washington,U.S.A.	46.3236N	117.3281W	945	
Pomio	PNB	New Britain,Papua New Guinea	5.5250S	151.5080E	4	From 1971-08-06 to 1972-05-31
Pomona	PCF	California,U.S.A.	34.0532N	117.7910W		From 1976-01-01
Pomona	POM	California,U.S.A.	34.1000N	117.7170W	350	From 1949-01-01 to 1999-08-25
Pomortsevo, Kuzbass, Russia	POMOR	Kemerovskaya Oblast',Russia	54.4069N	86.5262E	211	From 2014-05-19
Pompei	CPMP	Italy	40.7373N	14.4999E	5	From 2010-12-06
Pompeii	PMP	Italy	40.7500N	14.5000E		
Ponca City	PCO	Oklahoma,U.S.A.	36.6930N	96.9825W	324	From 1977-07-05
Ponce	PON	Puerto Rico	18.0033N	66.6139W	50	From 1974-08-16 to 1975-07-17
Ponce	PZ-	Puerto Rico	17.9700N	66.4178W	5	From 1963-09-10 to 1964-03-13
Ponce	PZ-PR	Puerto Rico	17.9700N	66.4178W	5	From 1963-09-10 to 1964-03-13
Ponce-Enriquez	PENR	Ecuador	3.0442S	79.6894W	318	From 2012-08-15
Ponciano Ridge	BPRM	California,U.S.A.	36.4070N	121.7300W	741	
Ponderosa El Sobrante	C065	California,U.S.A.	37.9629N	122.2759W	110	From 2012-08-24 to 2013-01-15
Pond Inlet	PINU	Nunavut,Canada	72.6971N	77.9748W	36	
Pond Inlet	POIN	Nunavut	72.7012N	77.9620W	21	From 2018-09-07
Pondoa	POND	Ecuador	1.4212S	78.4523W	2754	From 2011-02-25
Pondosa	LPDM	California,U.S.A.	41.1953N	121.6960W	1231	
Poneloya	PYN	Nicaragua	12.3822N	87.0223W	50	From 1975-01-01
Pong	PONG	India	31.9533N	75.9500E	0	
Pongaroa	PGZ	North Island,New Zealand	40.6171S	176.2739E	60	From 1988-05-18 to 1996-06-19
Pongola	POG	Natal,South Africa	27.3698S	31.6117E	290	From 1994-01-01 to 2005-10-30
Pongola	POGA	South Africa	27.3460S	31.7070E	290	From 2005-03-04
Ponta Delgada	PDA	Azores,Portugal	37.7467N	25.6633W	35	
Ponta do Capelo	PTCA	Azores,Portugal	38.5845N	28.7966W	243	From 2005-08-01
Ponta Puerca	PTP	Puerto Rico	18.2362N	65.6175W		
Pont de Suert	PONT	Spain	42.4043N	0.7573E	1220	
Ponte Alta do Tocantins	PATO	Tocantins,Brazil	10.6293S	47.3082W	348	From 2011-08-06
Pontebba	POBI	Italy	46.5133N	13.2767E	860	From 1983-01-30 to 1988-01-01
Ponte de Pedra	PP1B	Mato Grosso,Brazil	17.6003S	54.8797W	368	From 2003-06-19
Ponte nelle Valli ARPAV	PNAL	Italy	46.1729N	12.2987E	462	From 2015-06-30
Pontenova	EPON	Spain	43.3270N	7.1494W	440	
Ponte Pia'	DPIA	Italia	46.0538N	10.8396E	467	From 2019-10-14
Pontes e Lacerda, MT	PTLB	Mato Grosso,Brazil	15.4487S	59.1368W	72	From 2013-12-15
Pontiac	PW-	Illinois,U.S.A.	40.9161N	88.5853W	210	From 1966-06-29 to 1966-06-30
Pontiac	PW-IL	Illinois,U.S.A.	40.9161N	88.5853W	210	From 1966-06-29 to 1966-06-30
Pontianak	PTKI	Kalimantan,Indonesia	0.1454S	109.4049E	0	From 2005-01-01
Ponto Novo - BA	NBPN	Bahia,Brazil	10.8468S	40.1988W	386	From 2011-09-24
Ponuga, Veraguas	PONU3	Panama	7.8840N	80.9780W	250	From 2010-01-01
Pony Springs, Pioche	R12A	Nevada,U.S.A.	38.3281N	114.6076W	1845	From 2007-01-25 to 2008-09-10
Poona	POO	Maharashtra,India	18.5295N	73.8492E	560	From 1964-10-05
Poopo	POOP	Bolivia	18.3880S	67.0173W	3721	From 1994-06-09 to 1995-05-08
Poorman	J19K	Alaska,U.S.A.	63.9940N	155.6214W	389	From 2017-06-03
Poorman Mine	PMC	Colorado,U.S.A.	40.0300N	105.3370W	1990	From 1965-01-01 to 1969-12-31
Popayan, Colombia	POPC	Colombia	2.5402N	76.6758W	1869	From 2008-02-01
Popayan, Gabriela Mistral	CPOP5	Colombia	2.4710N	76.5760W	1794	From 1997-11-03
Popayan, Invias	CPOP2	Colombia	2.4590N	76.5960W	1769	From 1994-06-22

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Popayan, Sena	CPOP3	Colombia	2.4840N	76.5630W	1873	From 1997-11-08
POPE, Guanacaste	POPE	Costa Rica	10.0635N	85.2634W	37	From 2000-01-01
Popeni	PPE	Romania	46.2578N	27.8503E	267	From 1981-01-01
Popesti-Leordeni	POPR	Romania	44.3554N	26.2034E	109	From 2003-11-02
Popeta	MT01	Metropolitana	33.8641S	71.2509W	310	From 2014-01-21
Popiglio	POPM	Italy	44.0450N	10.7570E	440	From 2004-01-01
Poplar Bluff	PBMO	Missouri,U.S.A.	36.7786N	90.4297W	143	
Poplarville	446A	Mississippi,U.S.A.	30.7912N	89.3645W	55	From 2011-03-15 to 2012-12-13
Popocatepetl	PPM	Puebla,Mexico	19.0667N	98.6267W	3980	
Popocatepetl	PBPN	Mexico State	19.0412N	98.6280W	4230	
Popocatepetl	PBCV	Puebla	18.9870N	98.5572W	2650	
Popocatepetl	PPIG	Mexico:State	19.0670N	98.6281W	3980	From 1996-05-07
Popocatepetl	PBXN	Mexico:State	19.0088N	98.6567W	3980	
Popondetta	POP	Papua New Guinea	8.7344S	148.2490E	100	From 1964-12-01 to 1966-02-28
Poppy Hill Road	APRM	California,U.S.A.	38.8770N	121.2170W	133	From 1976-07-15
Porangahau	PRHZ	North Island,New Zealand	40.2664S	176.6352E	326	From 2008-01-14
Porcher Bluff	PBF	South Carolina,U.S.A.	32.8585N	79.7642W	-58	
Porculla	PT18	Peru	5.8620S	79.4870W	2970	
Porcupine Dome	PRP	Alaska,U.S.A.	65.5174N	145.5246W	1498	From 1990-02-16
Porcupine River	G26K	Alaska,U.S.A.	66.9498N	143.7848W	180	From 2016-07-22
Pores Knob	PKNC	North Carolina,U.S.A.	36.0460N	81.1580W	785	From 1982-11-11 to 2008-02-13
Pori Road	PRWZ	North Island,New Zealand	40.5547S	175.9710E	303	From 2008-11-03
Porkkala	PKK	Finland	60.0052N	24.5169E	10	
Portachuelo	PCHP	Peru	6.0330S	79.6830W	150	
Portage	PTE	Alaska,U.S.A.	60.8645N	149.0240W	55	From 1972-08-29
Portage	PTU	Utah,U.S.A.	41.9293N	112.3250W	2192	From 1976-12-17
Portage Bay	POBM	Missouri,U.S.A.	36.4085N	89.6622W	82	
Portageville	PGVM	Missouri,U.S.A.	36.4602N	89.7290W	82	
Portageville	PTG	Missouri,U.S.A.	36.4277N	89.7037W		
Portageville	PVMO	Missouri,U.S.A.	36.4137N	89.6997W	98	
Portageville	U44A	Missouri,U.S.A.	36.5047N	89.6863W	89	From 2011-07-26 to 2013-05-01
Port Alberni	B927	British Columbia,Canada	49.2188N	124.8113W	-182	
Port Alberni	PABB	British Columbia	49.2188N	124.8114W	3	From 2018-03-31
Portal de la Riviera, DVD	DVD2	Panama	8.4100N	82.4557W	24	
Portalegre	PRL	Portugal	39.3117N	7.3594W	1020	
Port Alice, BC	PACB	British Columbia,Canada	50.4355N	127.4925W	24	From 2010-06-24
Port Alsworth	O19K	Alaska	60.1952N	154.3201W	96	From 2015-06-09
Port Angeles	B04A	Washington,U.S.A.	48.0575N	123.5040W	293	From 2005-10-21 to 2008-02-15
Port Antonio	PAJ	Jamaica	18.1700N	76.4560W	201	
Port-au-Prince	PAPH	Haiti	18.5225N	72.2993W	218	
Port-aux-Francais	PAF	Kerguelen Islands,France	49.3506S	70.2133E	17	
Port Bizet	KPB	Kerguelen Islands,France	49.5200S	69.9010E		From 1974-02-01
Port Blair	PBA	Andaman Islands,India	11.6559N	92.7428E	17	
Port Clarence	PTCL	Alaska,U.S.A.	65.2583N	166.8700W	14	From 1980-07-01
Port Clements	PCLB	British Columbia,Canada	53.7155N	132.5211W	492	From 2018-08-30
Port Clements	PCB	British Columbia,Canada	53.7061N	132.5670W	634	
Port Colborne	PTCO	Ontario,Canada	42.8844N	79.3115W	180	
Port Douzieme	KPD	Kerguelen Islands,France	49.5170S	70.1570E		From 1974-02-01
Porterfield Farm, Petersburg	Y29A	Texas,U.S.A.	33.8602N	101.6712W	991	From 2009-01-30 to 2010-11-16
Porterville,Western Cape	PRTV	South Africa	33.0669S	19.0921E	702	From 2017-10-16
Port Fidalgo	FID	Alaska,U.S.A.	60.7500N	146.4790W	457	From 1974-10-07
Port Gamble	PGW	Washington,U.S.A.	47.8219N	122.5990W	122	
Port Hardy	PHC	British Columbia,Canada	50.7067N	127.4320W	33	From 1962-12-01
Port Heiden	PHA	Alaska,U.S.A.	56.9883N	158.6750W		
Portimao	PPOR	Portugal	37.1331N	8.5351W	3	From 2015-02-27
Port Jervis	M60A	New York,U.S.A.	41.3265N	74.6250W	292	From 2013-08-31
Port Laguerre	NOUC	New Caledonia	22.1011S	166.3030E	112	From 1988-03-21
PORTLAGUERRE INFRASONIC ARRAY REFERENCE POINT	I22FR	New Caledonia	22.1844S	166.8459E	272	From 2002-03-29
Portland	BEAV	Oregon,U.S.A.	45.5274N	122.8428W	58	From 2005-07-19
Portland	PTD	Oregon,U.S.A.	45.5083N	122.7160W	208	From 1964-05-01
Portland	POR	Maine,U.S.A.	43.6833N	70.2833W		
Portland Cottage	PCJ	Jamaica	17.7413N	77.1574W	98	From 1978-07-20
Port Lavaca	737A	Texas,U.S.A.	28.7639N	96.4402W	11	From 2010-05-25 to 2011-11-07
Port Louis	SEG	Guadeloupe,France	16.4028N	61.5052W	60	From 1981-01-01
Port Mandanici	MPNC	Sicily,Italy	38.1450N	15.3520E	385	From 1993-12-01
Port Menier	PMAQ	Quebec	49.8285N	64.3269W	25	From 2015-09-16
Port Miou	MIOU	France	43.2100N	5.5140E	10	From 2010-12-03
Port Moller	PMA	Alaska,U.S.A.	55.9786N	160.4970W	314	From 1972-09-16 to 1978-10-12
Port Moresby	PMG	Papua New Guinea	9.4062S	147.1590E	65	From 1957-12-01
Porto	PTO	Portugal	41.1386N	8.6022W	88	From 1912-01-01
Porto Alegre	UFRS	Rio Grande do Sul,Brazil	30.0540S	51.1244W	296	From 1994-04-01
Porto Botte (CI)	SU12	Sardinia	39.0887N	8.5221E	17	From 2014-11-13 to 2015-09-01
Porto Cannone	PTC	Italy	41.9297N	15.0425E	40	
Porto d'Ischia	PDI	Italy	40.7333N	13.9500E	37	
Porto dos Gachos	PAR5	Mato Grosso	11.5819S	57.3889W	255	From 2015-05-12
Porto dos Gachos, MT	PDRB	Mato Grosso,Brazil	11.6123S	56.7296W	322	From 2012-11-12
Porto Estrela	PTET	Mato Grosso	15.3795S	57.1610W	185	From 2016-05-04
Port of Spain	PORS	Trinidad and Tobago	10.6442N	61.5108W	20	From 1901-01-01 to 1911-12-31
Port of Spain General Hospital	PSGH	Trinidad and Tobago	10.6610N	61.5080W	15	From 2017-10-23
Port of Spain National Library	PSNL	Trinidad and Tobago	10.6520N	61.5110W	4	From 2018-07-30
Port of Spain Queen's Royal College	PSQC	Trinidad and Tobago	10.6680N	61.5190W	14	From 2018-07-30
Porto Judeu	PPJ	Azores	38.6472N	27.1195W	24	From 2016-04-10
Portola Park	JPPM	California,U.S.A.	37.2645N	122.2130W	186	From 1966-12-22
Portola State Park	LT3	California,U.S.A.	37.2645N	122.2130W	186	From 1966-12-22
Porto Moniz, Madeira	PMOZ	Madeira Islands,Portugal	32.8230N	17.1970W	1027	From 2008-09-01
Porto Murtinho	MURT	Brazil	21.6592S	57.6099W	123	From 2016-08-14
Porto Murtinho	PTMB	Mato Grosso,Brazil	21.4631S	57.4756W	240	From 1994-10-01
Porto Nacional, TO, Brazil	RET1	Tocantins,Brazil	10.6711S	48.5469W	251	From 2009-10-29
Porton East	POE	England,United Kingdom	51.1447N	1.6539W	125	From 1975-09-28 to 2010-10-01
Porton South	POS	England,United Kingdom	51.1381N	1.6333W	122	From 1977-11-01 to 1978-07-12
Portopalo di Capopassero	PPL1	Italy	46.6857N	15.1328E	83	From 2008-02-14
Porto Primavera	POPB	Brazil	22.4565S	52.8368W	280	
Porto Quipiri, Bengo	PORTQ	Angola	8.6388S	13.5546E	105	From 2018-07-31
Porto Santo	PMPS	Madeira Islands,Portugal	33.0570N	16.3330W	47	
Porto Santo, Madeira	PMPST	Madeira Islands,Portugal	33.0788N	16.3334W	240	From 2008-06-06
Porto Tolle (RO)	A305A	Italy	44.9592N	12.4323E	-4	From 2015-10-29
Port Pirie	PTPS	South Australia,Australia	33.1725S	137.9943E	9	From 2009-01-01
Port Renfrew	PFB	British Columbia,Canada	48.5717N	124.4400W	550	From 1983-06-15
Port Renfrew	PTRF	British Columbia	48.5442N	124.4130W	164	From 2017-02-17
Port Royal	PRJ	Jamaica	17.9352N	76.8438W	2	From 1969-08-09
Portsmouth	PSDMZ	Dominica	15.5770N	61.4563W	0	
Port Stanley	PSF	Falkland Islands	51.7000S	57.8667W		
Port Sulphur	646A	Louisiana,U.S.A.	29.5832N	89.8245W	0	From 2011-03-17 to 2013-01-27
Portuguese Canyon 2	PPO	California,U.S.A.	35.8667N	120.6160W	446	
Portuguez	PORP	Puerto Rico	18.0629N	66.6363W	199	From 1989-08-01
Port Valais, Les Evouettes, Wallis VS	NVL3	Switzerland	46.3713N	6.8739E	379	From 2019-05-29
Port Vila	PVC	Vanuatu	17.7400S	168.3120E	80	From 1960-01-01
Port Wells	PWL	Alaska,U.S.A.	60.8593N	148.3350W	549	
Porvoo	PRV	Finland	60.3571N	25.5584E	25	
Porvoo	PRF	Finland	60.3855N	25.6805E	10	
Posada Way Fremont	C048	California,U.S.A.	37.5751N	121.9917W	15	From 2010-08-25
Posio	KU3	Finland	66.1469N	28.5984E	245	From 2004-12-15
Posof	EPOS	Turkey	41.5035N	42.7279E	1499	From 2009-09-30
Possen	POSS	Thuringen,Germany	51.3327N	10.8668E	425	From 2012-02-17
Possum Corner Farms, Belvidere	U61A	North Carolina,U.S.A.	36.3319N	76.4464W	4	From 2013-04-24
Post	POST	Texas,U.S.A.	33.0662N	101.5011W	795	From 2016-12-16
Post	PO-	Texas,U.S.A.	33.4756N	101.3622W	914	From 1961-12-09 to 1961-12-20
Post	PO-TX	Texas,U.S.A.	33.4756N	101.3622W	914	From 1961-12-09 to 1961-12-20
Posta Fibreno	POFI	Italy	41.7174N	13.7120E	878	From 2007-03-28
Poste Baleine	PBQ	Quebec,Canada	55.2767N	77.7433W	20	
Post Highland Seismo, Ainsworth	M40A	Iowa,U.S.A.	41.4060N	91.5121W	223	From 2011-08-25
Postiglione	PST3	Italy	40.5609N	15.2433E	762	
Post Office Road	POWZ	New Zealand	40.3917S	175.7680E	295	From 2008-04-23
Post Ranch	BPOM	California,U.S.A.	36.2287N	121.7670W	354	
Posyet	PSTR	Primorskiy Kray	42.6510N	130.8040E	41	From 2016-12-01
Potabilizadora Mexicali	POT2	Baja California	32.6278N	115.3850W	17	From 2015-09-11
Potabilizadora X. Mexicali	POTX	Baja California	32.6017N	115.4860W	18	
Potamos Kythira	KYT1	Greece	36.2994N	22.9627E	363	From 2001-06-30
Potato Knob	PKKY	Kentucky,U.S.A.	38.3830N	83.0340W	336	From 1985-01-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Poteau	W38A	Oklahoma,U.S.A.	35.0704N	94.5184W	169	From 2010-04-22 to 2012-02-29
Potenciana	PTCR	Costa Rica	9.7895N	84.4295W	1510	From 1984-03-17
Potenciana 2	POCR	Costa Rica	9.7843N	84.4042W	1360	
Potenza	PZUN	Italy	40.6459N	15.8071E	0	From 2005-07-25
Potomac	O45A	Illinois,U.S.A.	40.2489N	87.7244W	208	From 2011-10-17
Potrerillos Abajo, POT2	CPOT2	Costa Rica	8.6608N	82.4782W	734	
Potrerillos Arriba, Chiriqui	PTAR3	Panama	8.6930N	82.4960W	982	From 2010-01-01
Potrerito	POTV	Venezuela	9.9980N	67.4508W	1002	From 2004-07-01
Potrero Grande	EDP2	Costa Rica,Costa Rica	9.0158N	83.1765W	201	
Potrero Grande	POGM	Guerrero,Mexico	17.3752N	100.6213W	650	
Potrero Grande, Buenos Aires, Puntarenas	POTG	Costa Rica	9.0525N	83.1189W	674	From 2014-04-09
Potrero Hills, Fairfield	POTR	California,U.S.A.	38.2026N	121.9353W	20	From 1998-12-10 to 2005-02-05
Potsdam	POT	Brandenburg,Germany	52.3803N	13.0678E	80	
Potsdam Coll	POTS	New York,U.S.A.	44.6634N	74.9732W	112	From 2006-05-22
Potsdam (NY)	PTN	New York,U.S.A.	44.5700N	74.9819W	197	From 1971-10-01
Potts Junction	PJG	Mariana Islands	13.5893N	144.8684E	199	From 1957-05-01
Potts Mountain	VWV	Virginia,U.S.A.	37.4660N	80.3917W	963	
Pottstown	PJ-PA	Pennsylvania,U.S.A.	40.2828N	75.5836W	91	
Poudrerie royale de Saint-Chamas	PROF	Provence-Cote d'Azur	43.5587N	5.0271E	2	From 2015-10-14
Pouilloux	POU	Bourgogne,France	46.6146N	4.3652E		
Poverty Ridge	CB7	California,U.S.A.	37.4292N	121.7425W	975	From 1968-07-12 to 1970-05-07
Poverty Ridge 1, Station 3	RDG13	California,U.S.A.	37.4289N	121.7434W	970	
Povoa§£o	PPOV	Azores	37.7490N	25.2453W	49	From 2016-04-13
Powder case	POWD	Turkey	40.8754N	28.9722E	6	From 2006-09-29
Powderhorn, S03	SCR03	Colorado	38.2730N	107.1001W	2484	
Powell	H19A	Wyoming,U.S.A.	44.6704N	108.9857W	1479	From 2008-08-13 to 2010-09-14
Powhatan	POW	Arkansas,U.S.A.	36.1520N	91.1850W	156	From 1974-06-19 to 1992-02-29
Poyo	POYO	Patagonia	42.3640S	72.5432W	1281	From 2010-01-01
Poza Rica	PZX	Veracruz,Mexico	20.5389N	97.4592W	150	
Pozheg	PZHG	Komi	61.9772N	54.3342E	177	
Pozo Almonte	POZO	Chile	20.2525S	69.7594W	1024	From 2009-12-04
Pozo tres de Borinquen	PBO3	Costa Rica	10.8063N	85.4238W	583	From 2000-01-01
Pozza Ferrara, Ferrara di Monte Baldo (VR)	PZF	Italy	45.6558N	10.8322E	1095	From 2006-11-16
Pozzilli	PLI2	Italy	41.5314N	14.0586E	575	
Pozzillo	EPOZ	Italy	37.5136N	15.0822E	117	From 2006-07-12
Pozzo Pitarrone	EPIT	Sicily	37.8113N	15.0567E	1527	From 2006-10-26
Pozzo Varoni	MZ50	Italy	42.5980N	13.2189E	1161	From 2016-10-15 to 2016-11-24
Pozzuoli	IPOZ	Italy	40.8203N	14.1205E	3	From 1982-01-01
Pozzuoli	CMRS	Italy	40.8376N	14.0928E	110	From 2008-03-03
Pozzuoli Rione Terra	POZT	Italy	40.8214N	14.1216E	65	From 2019-10-17
Pozzuoli Solfatara	POZS	Italy	40.8289N	14.1300E	75	From 2019-10-17
Pozzuolo	FPOZ	Hungary	46.0100N	13.1800E	59	From 2002-07-15
Prada, Italy	MPRD	Italy	45.9534N	11.8986E	705	From 2010-06-08
Prado	PRAC	Colombia	3.7138N	74.8862W	457	From 1994-01-01
Pradon	PRAF	Provence-Cote d'Azur,France	43.8042N	5.1692E	700	From 1982-11-01
Prague	OK011	Oklahoma,U.S.A.	35.4852N	96.6858W	313	From 2011-11-05
Prague	PRA	Czech Republic	50.0703N	14.4331E	225	
Praia da Vitria	PPV	Azores	38.7310N	27.0661W	353	From 2016-04-09
Prainha do Norte	PPNO	Azores,Portugal	38.4716N	28.2638W	725	From 2002-08-01
Prairie City	H08A	Oregon,U.S.A.	44.5191N	118.6704W	1373	From 2006-07-28 to 2008-07-10
Prairie Point, Evansville	K42A	Wisconsin,U.S.A.	42.7792N	89.3457W	302	From 2011-10-14 to 2013-06-14
Prairie Street, Timpson	ETX02	Texas,U.S.A.	31.9091N	94.4058W	103	
Pramanda	PRMD	Greece	39.5299N	21.0965E	831	From 2019-07-12
Prapat	PSI	Sumatera,Indonesia	2.8010N	98.9240E	987	
Pratas Island	VDOS	Taiwan region	20.7010N	116.7306E	38	From 2009-05-06
Prato	TPRT	Italy	43.5400N	11.0500E	99	From 2009-11-19
Prato	PTF	Italy	43.9594N	11.0697E	550	
Pratoni del Vivaro - Roma	VIVA	Italy	41.7502N	12.7702E	550	From 2014-07-07
Pratopiano (Palanzano) - PR	RE06	Italy	44.4511N	10.2304E	680	From 2008-12-28 to 2009-02-12
Prato-Toscana	PRT	Italy	43.8800N	11.0942E	61	
Prayon, Val Ferret, La Fouly, VS	MFERR	Switzerland	45.9510N	7.1123E	1600	From 2019-05-28
Prebbleton, DAR5	DARN5	South Island	43.5816S	172.4594E	38	
Preci, Frazione Castelvecchio (PG)	T1216	Italy	42.8907N	13.0190E	619	From 2016-08-26 to 2017-09-21
Prehn Over North, Clear Lake	H33A	South Dakota,U.S.A.	44.6812N	96.7434W	584	From 2010-07-30 to 2012-06-11
Premariacco	FPRM	Italy	46.0600N	13.4000E	105	From 2007-09-15
Preonzo, Alpe di Roscera stable 3, TI	PREO4	Switzerland	46.2503N	8.9829E	1510	From 2015-06-18
Preonzo, Alpe di Roscioro, Stable 1, TI	PREO1	Switzerland	46.2504N	8.9828E	1463	From 2012-06-14 to 2013-09-08
Preonzo, Alpe di Roscioro, Stable 2, TI	PREO3	Switzerland	46.2503N	8.9829E	1509	From 2014-12-10 to 2015-06-18
Preonzo, Alpe di Roscioro, Unstable, TI	PREO2	Switzerland	46.2505N	8.9831E	1513	From 2012-06-14
Presa 15 de Septiembre	PQSS	El Salvador	13.6242N	88.5603W	70	
Presa 5 de noviembre	P5NO	El Salvador	13.9859N	88.7586W	210	
Presa Benito Juarez	PBJ	Oaxaca,Mexico	16.4367N	95.4067W	213	
Presa Caracol 1	CC1	Guerrero,Mexico	17.9400N	100.0100W	1000	
Presa Caracol 2	CC2	Guerrero,Mexico	17.9930N	100.1010W	1000	
Presa Caracol 3	CC3	Guerrero,Mexico	17.9885N	99.9847W		
Presa Caracol 4	CC4	Guerrero,Mexico	18.0200N	99.9000W	1000	
Presa Caracol 5	CC5	Guerrero,Mexico	17.5400N	99.2780W		
Presa de Quentar	EQTA	Spain	37.2072N	3.4426W	1020	
Presa de Sabaneta	SDDR	Caribbean Sea,U.S.A.	18.9821N	71.2878W	589	From 2006-08-30
Presa El Carrizo, Tecate	TKCNA	Baja California	32.4801N	116.6980W	302	
Presa El Carrizo, Tecate	CNATK	Baja California	32.4801N	116.9090W	302	
Presa Emilio Lopez Z.	CNAEN	Baja California	31.8915N	116.6030W	52	
Presa Infiernillo	PIM	Guerrero,Mexico	18.2750N	101.8820W	81	
Presa Madin	MDVM	Mexico D.F.,Mexico	19.5365N	99.2490W	2405	
Presa Malpaso	PMM	Chiapas,Mexico	17.1700N	93.6028W	215	
Presa Marin	PNVM	Mexico D.F.,Mexico	19.3470N	98.9180W		
Presa Penitas 1	PN1	Chiapas,Mexico	17.4690N	93.4880W		
Presa Penitas 2	PN2	Chiapas,Mexico	17.4380N	93.4505W		
Presa Penitas 3	PN3	Chiapas,Mexico	17.3540N	93.6080W		
Presa Penitas 4	PN4	Chiapas,Mexico	17.1790N	93.3950W		
Presbytere Uffheim, 68341 Uffheim, Haut-Rhin	STUF	Alsace	47.6496N	7.4438E	275	From 2002-10-03
Preselentsi	PSN	Bulgaria	43.6375N	28.1359E	185	From 1983-08-01
Presidente	PPD	Sao Paulo,Brazil	22.0314S	51.3119W	406	From 1988-02-01
Presidio of San Francisco	JPRM	California,U.S.A.	37.7950N	122.4740W	107	From 1968-09-26
Presque Isle	PQI	Maine,U.S.A.	46.6710N	68.0168W	180	
presqu'le de Saint-Tropez - 83065, Gassin	STROF	Provence-Cote d'Azur	43.2197N	6.6011E	318	From 2015-02-11
Preston	PQ-ID	Idaho,U.S.A.	42.2281N	111.7158W	1554	
Preston	L41A	Iowa,U.S.A.	42.0751N	90.4977W	238	From 2011-06-09 to 2013-05-13
Preston Nutter Ranch, Sunnyside	P18A	Utah,U.S.A.	39.6279N	110.2457W	2743	From 2007-07-26 to 2009-06-03
Pretoria	PRE	Transvaal,South Africa	25.7533S	28.1900E	1333	From 1949-01-01 to 1999-08-25
Preunschen	A114A	Germany	49.5901N	9.1824E	466	From 2015-11-05
Preveza	PRE2	Greece	38.9578N	20.7547E	9	From 2011-06-01
Preza	PRZA	Albania	41.4300N	19.6700E	230	From 2002-09-05
Pribbeno Ranch, Imperial	N28A	Nebraska,U.S.A.	40.6873N	101.5406W	1009	From 2009-05-20 to 2011-04-06
Pribram	PBCC	Czech Republic	49.6857N	13.9956E	386	From 2011-07-22
Price	PCU	Utah,U.S.A.	39.6067N	110.8050W	1714	From 1962-05-01
Price	KPE	Alaska,U.S.A.	64.4608N	146.8960W	204	From 1994-10-01
Price's Panorama, Muncy Valley	M58A	Pennsylvania,U.S.A.	41.3721N	76.4603W	529	From 2013-07-02
Priddis	PRDA	Alberta,Canada	50.8674N	114.2918W	1252	From 2009-11-13
Priegendorf	A351A	Germany	50.0030N	10.7922E	284	From 2015-10-23
Prieska	PKA	Cape Province,South Africa	29.6700S	22.7567E	960	From 1993-03-01
Priest	PRI	California,U.S.A.	36.1417N	120.6650W	1187	From 1961-01-01
Prijedor	PRIJ	Bosnia and Herzegovina	44.9764N	16.7151E	157	
Primda	PRIC	Czech Republic	49.6693N	12.6782E	740	From 2019-08-29
Prince Edward County	PECO	Ontario,Canada	43.9340N	76.9939W	92	From 2009-04-30
Prince George	PG-BC	British Columbia,Canada	53.9972N	122.5231W	914	
Prince George	PG-	British Columbia,Canada	53.9972N	122.5231W	914	
Prince George	PG2BC	British Columbia,Canada	53.9911N	122.5122W	747	
Prince Lake	PRLK	Oregon,U.S.A.	44.2097N	121.9626W	1283	From 2007-08-17
Prince Rupert	RUB	British Columbia,Canada	54.3259N	130.2867W	53	From 1985-09-01 to 2006-03-28
Prince Rupert	RUBB	British Columbia,Canada	54.3262N	130.2523W	12	
Princess Elisabeth base, Queen Maud Land, Antarctica	ELIB	Antarctica	71.9470S	23.3469E	1359	From 2010-02-23
Princeton	PD-BC	British Columbia,Canada	49.3922N	120.4764W	914	From 1962-07-06 to 1962-07-17
Princeton	T46A	Kentucky,U.S.A.	37.0417N	87.8941W	169	From 2011-11-18
Princeton	PRIN	New Jersey,U.S.A.	40.3669N	74.7179W	110	From 1977-03-01
Princeton	PANJ	New Jersey,U.S.A.	40.3769N	74.7029W	100	From 2008-02-15
Princeton	PWV	West Virginia,U.S.A.	37.3360N	81.0478W	829	From 1978-03-01 to 2006-02-27
Princeton	G65A	Maine,U.S.A.	45.2002N	67.5632W	78	From 2013-09-24
Princeton	PD-	British Columbia,Canada	49.3922N	120.4764W	914	From 1962-07-06 to 1962-07-17

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Prines Rethymno	PRNS	Crete,Greece	35.3649N	24.5015E	51	From 2006-12-01
Prineville	I06A	Oregon,U.S.A.	43.9437N	120.2107W	1296	From 2006-02-02 to 2008-04-09
Priterechnaya	PRTR	Severo-Osetinskaya,Russia	43.7515N	44.2820E	136	From 2005-08-08
Private Property, Shandon	TRAM	California,U.S.A.	35.6769N	120.2709W	642	From 2012-12-13
Private Property, Shandon	TSCN	California,U.S.A.	35.5440N	120.3481W	476	From 2012-03-09
Prizren	PRZK	Kosovo	42.2108N	20.7581E	683	From 2008-07-06
PRO	CPRO	Costa Rica	9.5562N	83.8608W	1828	From 2002-10-01 to 2003-03-15
Prodromos	PROD	Greece	38.2589N	22.9006E	350	From 2010-07-02
Prodromos	PDO	Greece	38.5986N	21.1833E	227	From 2009-10-02
Profitis Ilias	S126	Greece	38.4600N	23.4970E	964	
Prokopi	S033	Greece	38.7230N	23.4910E	250	
Promano (Citt di Castello) - PG	AT01	Italy	43.3940N	12.3076E	484	From 2010-04-01
Promontory Point	PPU	Utah,U.S.A.	41.3106N	112.4300W	1874	
Prospect	PRST	Texas,U.S.A.	31.9520N	94.6330W	220	
Prospect	TPR	Trinidad and Tobago	11.1860N	60.7770W	245	From 1978-02-20
Prospectdale	ELN	Virginia,U.S.A.	37.2283N	80.7517W	634	
Prosser	PRW	Washington,U.S.A.	46.2127N	119.6860W	552	From 1975-06-01
Provadia	PRD	Bulgaria	43.1602N	27.4099E	120	From 1995-01-01
Provideniya	PVDR	The Chukotsky Autonomous Okrug	64.4280N	173.2160W	16	From 2010-12-20
Provideniya	PRVR	The Chukotsky Autonomous Okrug,Russia	64.4470N	173.1750W	86	From 2006-06-14 to 2007-05-15
Provideniya	PROV	Magadanskaya Oblast',Russia	64.4270N	173.2250W	25	
PRS1	CPRS1	Costa Rica	9.8795N	84.3640W	1120	
PRT2	PRT2	Panama	8.2733N	82.8610W	10	
Pruhonice	PRU	Czech Republic	49.9883N	14.5417E	302	
Pruna	EPRU	Spain	36.9660N	5.2313W	560	From 1986-11-01
Prunihres	OG17	Rhone-Alpes,France	44.9067N	5.7662E	1140	From 1988-09-12
Prvonek	PRVS	Serbia	42.5077N	22.0758E	625	From 2005-07-22
Przheval'sk	PRZ	Kyrgyzstan	42.4833N	78.4000E	1835	From 1950-07-01
Psara	PSRA	Greece	38.5419N	25.5638E	12	From 2010-07-01
Psari	PSAR	Greece	38.0890N	23.5620E	101	
Psaromita, Dorida	PSARO	Greece,Greece	38.3319N	22.1752E	116	From 2000-04-16
Psathopyrgos	PSA1	Greece	38.3253N	21.8837E	3	From 2009-03-16
Pskem	PSK	Uzbekistan	41.9267N	70.3730E	1317	
Pskov	NE52	Pskovskaya Oblast',Russia	57.8190N	28.3900E	40	
PSNS Bremerton SMO	PSNS	Washington,U.S.A.	47.5587N	122.6443W	6	From 2004-04-05
P.ta Helbronner (AO), Italy	BLANC	Italy	45.8444N	6.9340E	3379	From 2019-06-14
Pt. Cumana	TPTC	Trinidad and Tobago	10.6800N	61.5700W	49	
Pteri, PE03	PE03E	Greece	37.3784N	21.7722E	635	
Pto Chacabuco	CHFR	Chile	45.4606S	72.8700W	0	
Pto de San Jose	PSG	Guatemala	13.9478N	90.7915W	5	From 1981-11-01 to 1988-12-31
PtolemaidA	PTO1	Greece	40.5101N	21.6819E	609	From 2010-11-01
Pto San Jose 2	PSG2	Guatemala	13.9522N	90.8155W	5	From 1988-01-01
PU01	PU01	Ecuador	2.8017S	80.2313W	29	
PU02	PU02	Ecuador	2.8243S	80.0552W	10	
PU03	PU03	Ecuador	2.9061S	79.8061W	15	
PU04	PU04	Ecuador	2.6853S	79.5896W	72	
PU05	PU05	Ecuador	2.5310S	79.4987W	30	
PU06	PU06	Ecuador	2.4215S	79.6267W	58	
PU07	PU07	Ecuador	2.3458S	79.4412W	46	
Puale Bay	PUB	Alaska,U.S.A.	57.7733N	155.5170W	280	From 1974-01-01
Pucallpa	PUC	Peru	8.3970S	74.6680W	130	
Pucara	PUCR	Ecuador	3.2100S	79.5000W	3000	From 1995-07-21
Pucara 2	PCRA	Ecuador	3.2072S	79.5025W	3523	From 2018-04-04
Pudahuel	PUEX	Santiago,Chile	33.4413S	70.7579W	505	
Puddingstone Reservoir	PSRC	California,U.S.A.	34.0918N	117.8071W	305	
PUDO	PUDO	Costa Rica	9.2235N	83.8414W	63	From 1999-09-24 to 1999-11-25
Puebla	CXP	Puebla,Mexico	18.2754N	97.1418W		
Puebla	PHPU	Puebla,Mexico	19.0442N	98.1685W	2170	From 2009-02-16
Puebla	CIPM	Puebla,Mexico	17.9620N	97.8540W		
Puebla	PUE	Puebla,Mexico	19.0417N	98.1967W	2162	
Pueblo Nuevo de la Aldea, Limon	PNUA	Costa Rica	10.5955N	83.8399W	49	From 2012-10-05
Pueblo Viejo	PVP	Peru	15.7914S	74.2211W	233	
Puelo Alto	PUEL	Chile	41.6637S	72.2960W	25	
Puengasi	QUEM	Ecuador	0.2371S	78.4973W	3055	From 2007-12-05
Puente Sto Nino	ARIG	Guerrero,Mexico	18.2805N	100.3473W	387	From 2009-02-01
Puerta Blanca, LID	LIDC	Baja California	31.8940N	116.2698W	703	
Puerto Angel	PANG	Oaxaca,Mexico	15.6668N	96.4735W	0	From 2009-02-16
Puerto Armuelles	ARM	Panama	8.2832N	82.8665W	10	
Puerto Armuelles 2	ARM2	Panama	8.1000N	82.8667W	10	
Puerto Asis, Putumayo	PUAC	Colombia	0.5500N	76.5700W	287	From 2014-05-03
Puerto Ayacucho	PAYV	Venezuela	5.4200N	67.6560W	83	From 2003-07-16
Puerto Ayora	PAYG	Galapagos,Ecuador	0.6740S	90.2858W	195	
Puerto Aysn	AYSN	Patagonia	45.3783S	72.6882W	62	From 2010-01-01
Puerto Aysen	AYCH	Chile	45.4018S	72.6940W	22	From 2009-07-09
Puerto Azul	PAZ	Luzon,Philippines	14.2260N	120.6760E	124	
PUERTO BERRIO, Antioquia	PTBC	Colombia	6.5395N	74.4563W	260	From 2011-12-05
PUERTO CAYO	PTCY	Ecuador	1.3492S	80.7320W	259	From 2016-04-20
PUERTO CAYO 2	CAYO	Ecuador	1.3455S	80.7412W	11	From 2016-05-17
Puerto Chacabuco	CHAC	Patagonia	45.4280S	72.7611W	66	From 2010-01-01
Puerto de Acajutla	ACAJ	El Salvador	13.5749N	89.8336W	12	
Puerto del Bujeo, Cadiz	E002	Spain	36.0610N	5.5137W	388	From 2007-07-10 to 2009-06-15
Puerto del Eden	PDEM	Guerrero,Mexico	17.4632N	100.7410W	1620	
Puerto del Gallo	PGOM	Guerrero,Mexico	17.4720N	100.1803W	2560	
Puerto Escondido	PEO	Oaxaca,Mexico	15.8512N	97.0555W	3	
Puerto Escondido	PEX	Oaxaca,Mexico	15.8620N	97.0612W		
Puerto Escondido	PEIG	Oaxaca	15.9977N	97.1475W	327	From 2012-09-22
Puerto Gaitan 1, Meta	PGA1	Colombia	3.7478N	71.5714W	186	From 2014-04-03
Puerto Gaitan 3, Meta	PGA3	Colombia	3.8984N	71.5657W	191	From 2015-02-13
Puerto Gaitan 4, Meta	PGA4	Colombia	3.8636N	71.4213W	189	From 2015-11-09
Puerto Gaitan 5, Meta	PGA5	Colombia	3.9462N	71.3149W	204	From 2015-11-11
Puerto Gaitan, Meta	PTGC	Colombia	4.1990N	72.1340W	170	From 2013-09-25
Puerto Galera	PGP	Mindoro,Philippines	13.5019N	120.9530E	375	From 1977-05-22
Puerto Jesus Guanacaste	PUJE	Costa Rica	10.1139N	85.2725W	42	From 2000-01-01
Puerto Jimenez	JIME	Costa Rica,Costa Rica	8.5380N	83.3250W	29	
Puerto Jimenez	PUJ	Costa Rica	8.5333N	83.3478W	50	
Puerto Jimnez	PTJ1	Costa Rica	8.5360N	83.3020W	10	
Puerto La Cruz	PLCV	Venezuela	10.1633N	64.5896W	251	
Puerto La Cruz	PCRV	Venezuela	10.1762N	64.6361W	450	
Puerto Leguizamo, Putumayo	PTLC	Colombia	0.1710N	74.7970W	240	From 2012-12-03
Puerto Libertad	PLIB	Sonora	29.9150N	112.6940W	40	From 2016-09-12
Puerto Libertad	PLB	Sonora	29.9500N	112.6873W	52	
Puerto Libertad	PLX	Sonora	29.9070N	112.6950W	3	
Puerto Libertad, LIB	LIBMX	Sonora	29.9100N	112.6700W	15	
Puertollano	NE13	Spain	38.6850N	4.0910W	700	From 1983-05-01 to 2001-07-28
Puerto Lpez	PPLP	Ecuador	1.5451S	80.7750W	419	From 2012-10-25
Puerto Moin	MOIN	Costa Rica	9.9870N	83.0938W	29	
Puerto Momotombo, N4	TUN4	Nicaragua	12.4008N	86.6208W	64	
Puerto Montt	PMCH	Chile	41.4898S	72.8962W	36	
Puerto Natales	MG05	Magallanes	51.6784S	72.5032W	99	From 2015-02-19
Puerto Octay	LL04	Los Lagos	40.9097S	72.4082W	247	From 2015-02-17
Puerto Peasco	PPXB	Baja California,Mexico	31.3355N	113.6330W	15	From 2007-12-31
Puerto Plata	PPDR	Dominican Republic	19.8053N	70.7243W	4	From 2010-01-01
Puerto Princesa	PPR	Palawan,Philippines	9.7761N	118.7300E	15	From 1972-01-01
Puerto Quito-OCP	BV15	Ecuador	0.1589N	79.2228W	147	From 2014-08-06
Puerto Rico Seismic Network	PRSN	Puerto Rico	18.2171N	67.1447W	25	From 2015-07-01
Puerto Saavedra	PSCH	Cautin,Chile	38.7990S	73.3920W	85	From 2009-12-20
Puerto Saavedra	LC02	La Araucana	38.7915S	73.3833W	67	From 2015-06-28
PUERTO SAN LORENZO	ASLZ	Ecuador	1.0664S	80.9055W	32	From 2016-04-22
Puerto Suarez	BBPS	Bolivia	19.0696S	57.8435W	190	From 2018-11-08 to 2099-12-12
Puerto Suarez	BB08	Bolivia	18.9680S	57.8055W	116	From 2012-04-16
Puerto Vidal, Veraguas	PVID3	Panama	8.0490N	81.6090W	35	From 2010-01-01
Puerto Villamil, Aeropuerto	PVIL	Galapagos,Ecuador	0.9463S	90.9542W	5	From 2012-10-08
Puerto Wilches	VMM07	Colombia	7.3601N	73.8519W	91	From 2015-10-08
Puerto Williams	MG01	Magallanes	54.9322S	67.6300W	57	From 2013-11-01
Puert Vallarta	PUVA	Jalisco,Mexico	20.6262N	105.2190W	0	From 2009-02-16
Pujili	APUJ	Ecuador	0.9580S	78.7010W	2773	
Puka	PUK	Albania	42.0427N	19.8928E	900	
Pukaskwa National Park	PNPO	Ontario,Canada	48.5957N	86.2846W	219	
Pukeiti	PKE	North Island,New Zealand	39.1939S	173.9867E	515	From 1993-12-14

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Pukenui	PNHZ	North Island,New Zealand	39.9134S	176.1998E	616	From 2004-06-09
Puketiti	PUZ	North Island,New Zealand	38.0716S	178.2572E	430	From 1989-03-08
Pulasari	PULI	Jawa,Indonesia	6.3450S	105.9760E	1346	
Pulaski	T55A	Virginia,U.S.A.	37.1170N	80.7843W	644	From 2013-02-20
Pulaski	W48A	Tennessee,U.S.A.	35.1386N	86.9333W	260	From 2012-01-15
Pulaski	PUV	Virginia,U.S.A.	37.0257N	80.8158W	652	From 1978-01-01 to 2004-09-30
Pulau Batu	PBSI	Sumatera,Indonesia	0.0547S	98.2800E	0	From 2007-12-01
Pulau Pagai	PPSI	Sumatera,Indonesia	2.7630S	100.0096E	0	From 2007-12-01
Pulau-Weh	PWS	Sumatera,Indonesia	5.8333N	95.3000E		
Pulchoki	PKI	Nepal	27.5710N	85.4090E	2758	From 1978-11-01
Pulheim	PLH	Nordrhein-Westfalen,Germany	51.0040N	6.8195E	-300	From 1981-01-01
Puligny Montrachet	PLYF	Bourgogne	46.9565N	4.7442E	294	From 2015-01-01
Puli Township	WPL	Taiwan region	24.0120N	120.9570E	190	From 2001-04-10
Pulkovo	PUL	Saint-Petersburg,Russia	59.7728N	30.3222E	83	
Pul - Mazandaran	MZPU	Iran	36.4398N	51.5687E	1978	From 2016-10-29
Pululahua	PULU	Ecuador	0.0218N	78.5022W	3114	From 2011-08-01
Pune	PUNE	Maharashtra,India	18.5296N	73.8491E	600	
Punghina	PUNG	Romania	44.2782N	22.9325E	131	From 2012-10-31
Pung Luong	NCV	Vietnam	21.6493N	104.2387E	1023	From 2009-01-01 to 2012-12-31
Puno	PUN	Peru	15.8750S	69.9961W	3860	
Punta Ardita, Choc	PTAC	Colombia	7.1472N	77.8083W	78	From 2012-06-01
Punta Arenas	PTA	Magallanes,Chile	53.1553S	70.9006W	10	
Punta Arenas	GO10	Magallanes,Chile	53.1546S	71.0498W	652	
Punta Banco, Puntarenas	PBNC	Costa Rica	8.3714N	83.1271W	248	From 1984-04-01
Punta Banda	PBX	Baja California,Mexico	31.7420N	116.7255W	400	From 1982-04-16
Punta Banda, PTB	CPTB	Mexico	31.7362N	116.7123W	170	
Punta Burica	PBC	Costa Rica	8.4437N	83.0708W	140	From 1985-01-01
Punta Cana	PUCA	Dominican Republic	18.5880N	68.4028W	0	
Punta Cana, DR	PCDR	Dominican Republic	18.5139N	68.3814W	6	From 2007-03-01
PUNTA DE LOS LLANOS	APLL	La Rioja,Argentina	30.3949S	66.5279W	725	From 1997-06-20
Punta Galera	PTGL	Ecuador	0.7815N	80.0304W	262	From 2008-12-04
Puntagorda, La Palma	CGOR	Canary Islands	28.7788N	17.9948W	450	From 2017-11-07
Punta Hualpn	BI05	Bio-Bio	36.7476S	73.1904W	99	From 2016-09-14
Punta indio, Guanacaste	INDI	Costa Rica	9.8665N	85.5022W	74	From 1999-12-17
Punta Lena	SL6*	Sicily,Italy	38.7733N	15.2147E		From 1966-04-01 to 1966-05-01
Puntallana, La Palma	CPUN	Canary Islands	28.7348N	17.7556W	583	From 2017-05-24
Punta Lucia	EPLC	Sicily,Italy	37.7620N	14.9860E	2930	From 1994-10-01
Punta Orchilla, El Hierro	CCAL	Canary Islands	27.7128N	18.1472W	111	From 2016-06-10
Punta Patache	PATCX	Chile	20.8207S	70.1529W	832	From 2009-12-02
Puntarenas	PSVT	Costa Rica	8.8216N	82.9670W	987	
Punta Rusia, Puerto Plata	LOPP1	Dominican Republic	19.8535N	71.1992W	60	From 2015-12-07
Punta Talca	PUT	Santiago,Chile	33.4187S	71.6964W	25	From 1975-01-01
Puntijarka	PTJ	Croatia	45.9070N	15.9680E	1023	
PUNV	PUNV	Ecuador	0.2390N	79.4650W	3283	
PUOLANKA	PUF	Finland	64.6637N	28.0531E	337	From 2018-10-01
Pupakea	PUP	Hawaii,U.S.A.	21.6472N	158.0280W		From 1960-01-01 to 1965-12-31
Puquio	PP06	Peru	14.6955S	74.1235W	3200	
Purari	PUR	Papua New Guinea	6.9881S	145.0730E	300	From 1975-07-11
Purcari	PURM	Moldova	46.5293N	29.8723E	33	From 2013-11-26
Purcell Mountains	G19K	Alaska,U.S.A.	66.1434N	157.0870W	391	From 2017-06-14
Puriscal	PRS1	Costa Rica	9.9838N	84.3112W	1145	
Purkeypile	PPLA	Alaska,U.S.A.	62.8962N	152.1894W	1519	From 2002-12-11
Purple Mountain	YPM	Wyoming,U.S.A.	44.6572N	110.8687W	2582	
Purvis	PU-	Mississippi,U.S.A.	31.1519N	89.5489W	91	From 1965-02-26 to 1965-03-03
Purvis	PU-MS	Mississippi,U.S.A.	31.1519N	89.5489W	91	From 1965-02-26 to 1965-03-03
Pusan	PUS	Republic of Korea	35.1000N	129.0330E	71	
Pusma	PUSN	Nepal	28.8750N	81.2710E	1524	
Pusztahencse	PKB5	Hungary	46.5950N	18.7356E	34	From 2016-03-01
Putnam	PUTN	New York,U.S.A.	41.3818N	73.8283W	170	
Puu Honuaula	PHO	Hawaii,U.S.A.	19.4817N	154.8900W	215	From 1970-04-01 to 2000-11-09
Puu Huluhulu	PHH	Hawaii,U.S.A.	19.3750N	155.2080W	1021	From 1969-07-01 to 1973-11-30
Puu Kaliu	PKL	Hawaii,U.S.A.	19.4580N	154.9210W	271	
Puu Kamoamoa	KMH	Hawaii,U.S.A.	19.3912N	155.1160W	750	
Puuokali	POK	Hawaii,U.S.A.	20.7333N	156.3887W	511	
Puu Pili	PPL	Hawaii,U.S.A.	19.1583N	155.4640W	35	
Puu Ulaula	PLL	Hawaii,U.S.A.	19.5333N	155.4610W	2992	
Puyallup School ANSS-SMO	PAYL	Washington,U.S.A.	47.1926N	122.3140W	9	From 2001-06-28
Puy-de-Dome	PDD	Auvergne,France	45.7667N	2.9667E	1450	
Puyloubier	PUYF	Provence-Cote d'Azur,France	43.5323N	5.7003E	460	
PUYLOUBIER	LEPF	Provence-Cote d'Azur,France	43.5230N	5.7020E	345	From 2007-08-13
Puyo	APUY	Ecuador	1.4591S	77.9956W	952	From 2012-07-13
Puyo, Santa Rosa	PUYO	Ecuador	1.4928S	78.0239W	1040	From 2012-06-28
Puysegur Point	PPZ	South Island,New Zealand	46.1406S	166.6270E	3	From 1972-04-06 to 1972-04-24
Puysegur Point	PYZ	South Island,New Zealand	46.1663S	166.6807E	277	From 2007-05-01
Puyuhuapi	AY01	Chile	44.4209S	72.6481W	8	From 2015-06-04
Puyuhuapi	PHPI	Patagonia	44.3205S	72.5679W	46	From 2010-01-01
Puzi	WLGB	Taiwan region	23.4777N	120.2999E	16	From 2002-11-30
Pyatigorsk	PYA	Stavropol'skiy Kray,Russia	44.0333N	43.0583E	544	
Pyatigorsk	PYA1	Russia	44.0625N	43.0958E	614	From 2008-10-02
Pyeongchang	KSPYC	Republic of Korea	37.3713N	128.3906E	331	From 2007-12-12
Pyeongtaek	PYTK	Republic of Korea	36.9859N	127.1077E	39	From 2007-12-12
Pylos	PYL1	Greece	36.9142N	21.6954E	4	From 2010-11-01
PYLOS	PYL	Greece	36.8955N	21.7420E	227	From 2006-02-01
Pyongsong	PYS	Democratic People's Republic of Korea	39.2507N	125.8547E	100	From 1978-01-01
Pyongyang	PYAG	Democratic People's Republic of Korea	39.0508N	125.7580E	40	From 1978-01-01
Pyongyang	PYO	Democratic People's Republic of Korea	39.0333N	125.7500E	51	
Pyramid	PYR	California,U.S.A.	34.5680N	118.7410W	1247	
Pyrgos	PYR2	Greece	37.6671N	21.4506E	6	From 2010-11-01
PYRGOS	PYR3	Greece	37.6787N	21.4623E	56	From 2013-01-15
Pyrgos, Dorida, Greece	PYRG	Greece	38.4102N	22.0168E	595	From 2001-06-09
QAANAAQ INFRASONIC ARRAY REFERENCE POINT	I18DK	Greenland	77.4756N	69.2878W	88	From 2002-09-05
Qafa e Shtames	QSH	Albania	41.5216N	19.9050E	1100	
Qairoon Hariti	QHRO	Oman	17.2528N	54.0854E	790	From 1998-08-27
Qamsar	QAMS	Iran	33.7360N	51.3964E	2245	From 2015-06-06
Qangwa	QNG1	Botswana	19.5250S	21.2080E	1050	From 2001-01-01 to 2100-12-31
Qangwa	QNGWA	Botswana	19.5295S	21.1740E	1094	
Qaraoun	QRWL	Lebanon	33.5477N	35.6822E	875	From 2011-10-01
Qarnain Island	JRN	United Arab Emirates	24.9422N	52.8491E	0	
Qassim	QASM	Saudi Arabia	26.0900N	43.5360E	675	From 1988-01-01
Qassioun	QASN	Syria	33.5328N	36.2761E	990	From 1994-12-01
Qatafi	QTFJ	Jordan	31.8230N	37.4800E	648	From 1990-03-05
Qatrana	QTRJ	Jordan	31.3000N	36.0100E	876	From 1988-02-20
Qazax, Azerbaijan	QZX	Azerbaijan	41.0580N	45.3720E	563	From 2010-01-19
Qazvin	QCNT	Iran	36.2901N	50.0091E	1319	
Qibla Bandi	QIB	Pakistan	33.9007N	72.5925E	396	
Qililugaq Exploration Camp	QILN	Northwest Territories,Canada	66.6531N	86.3709W	115	
Qimei	VCHM	Taiwan region	23.2087N	119.4295E	60	From 2010-04-27
Qingdao	TSN	Shandong,China	36.0667N	120.3170E	70	
Qiongzhong	QIZ	Hainan Dao,China	19.0294N	109.8430E	230	
Qir	QIR1	Iran	28.4764N	53.0442E	740	
Qobustan	GBS	Azerbaijan	40.5350N	48.9420E	827	From 2011-04-06
Qom	IQOM	Iran	34.8424N	51.0703E	2270	From 1996-01-01
Qoradiz	QRD	Azerbaijan	39.4615N	47.3203E	300	From 2013-10-18
Qsaybeh	QSB	Lebanon	33.8710N	35.6443E	550	
Quabbin	QUA	Massachusetts,U.S.A.	42.4566N	72.3738W	201	From 1977-05-07 to 1999-01-31
Quadrado	QAD	Luzon,Philippines	15.0440N	120.3540E		
Quail	IP07	Virginia,U.S.A.	37.9185N	78.0296W	138	
Quail Canyon Rd San Jose	C059	California,U.S.A.	37.3426N	121.7724W	244	From 2012-03-01
Quail Lake	QAL	California,U.S.A.	34.7497N	118.7150W	1256	
Quail Ridge Natural Reserve, California	QRDG	California	38.4805N	122.1446W	371	From 2018-09-01
Quairading	QUAI	Western Australia	32.0120S	117.3950E	256	
Qualls	QUAR	Arkansas,U.S.A.	35.6439N	90.6491W	115	
Quanzhou	QZN	Fujian,China	24.9431N	118.5920E	21	From 1970-10-01
Quanzhou	QZH	Fujian,China	24.9431N	118.5920E	21	From 1970-10-01
Quarantoli, Mirandola (MO)	MIR08	Italy	44.9169N	11.0895E	14	From 2012-05-24
Quarry, Mount Saint Helens	B203	Washington,U.S.A.	46.1690N	122.3337W	595	
Quarto	QRI	Italy	40.8780N	14.1458E		
Quartz Hill	QHW	North Island,New Zealand	41.2503S	174.6907E	190	From 1985-09-27 to 1988-09-28
Quartzite Mountain	QM-NV	Nevada,U.S.A.	37.5631N	116.3178W	1878	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Quartz Mountain	QMO	Oklahoma,U.S.A.	34.8929N	99.3071W	479	From 1977-07-29 to 1980-12-31
Quartz Mountain State Park	QZO	Oklahoma,U.S.A.	34.9052N	99.3053W	488	
Quartz Range	QRZ	South Island,New Zealand	40.8255S	172.5292E	263	From 1990-04-26
Quattro Castella	QCI	Italy	43.8167N	11.2167E	120	
Quay	QUOK	Oklahoma,U.S.A.	36.1714N	96.7080W	296	From 2014-03-27
Quba	QUB	Azerbaijan	41.3800N	48.3600E	1000	From 1978-01-01 to 1998-01-01
Quba	KUB	Azerbaijan	41.3300N	48.5000E	980	From 1998-01-01
Quba, Azerbaijan	QUBA	Azerbaijan	41.3550N	48.4930E	645	From 2003-03-29
Qucahn	IQHU	Iran	37.0730N	58.5394E	1320	From 1997-03-01
Quchan	QUCH	Iran	37.0384N	58.4708E	1501	From 2001-03-23
Quebec	QBC	Quebec,Canada	46.7789N	71.2758W	91	
Quebec	QCQ	Quebec,Canada	46.7789N	71.2758W	91	
Quebec	QCL	Quebec,Canada	46.7789N	71.2758W	91	
Quebese, A0282	M0282	Mozambique	20.6362S	34.0642E	64	
Quebrada Arriba	QARV	Venezuela	10.2070N	70.5240W	578	From 2002-03-26
Quebrada Grande	QUEG	Costa Rica	10.8361N	85.5077W	290	From 2004-01-01
Quebradillas	QBPR	Puerto Rico	18.4772N	66.9388W	74	From 2013-07-01
Queen Anne	QAW	Washington,U.S.A.	47.6317N	122.3543W	140	
Queen Charlotte	QCC	British Columbia,Canada	53.2550N	132.0880W	3	
Queen City Summit	QCS	Nevada,U.S.A.	37.7574N	115.9409W	1899	From 1979-06-08 to 2002-10-10
Queen Creek	QC-	Arizona,U.S.A.	33.1842N	111.6340W	610	
Queen Elizabeth Park	QEPB	British Columbia	49.2419N	123.1141W	128	From 2019-11-08
Queen of Sheba Mine	QSM	California,U.S.A.	35.9650N	116.8682W	396	From 1978-11-28
Queensboro Lake	QLNY	New York,U.S.A.	41.3092N	74.0375W	238	
Queensbury	QMB	England,United Kingdom	53.7650N	1.8575W	116	From 1974-07-10 to 1979-11-15
Queens College	CUNY	New York,U.S.A.	40.7335N	73.8178W	20	
Queens East	JQE	Channel Islands,United Kingdom	49.2000N	2.0383W	58	
Queenstown	QTN	Tasmania,Australia	43.1000S	145.6000E		
Quello@15n	QLLN	Chile	43.1044S	73.6223W	129	
Quemado	X20A	New Mexico,U.S.A.	34.5421N	108.4980W	2057	From 2008-02-05 to 2009-11-24
Quentar	EQUE	Spain	37.2050N	3.4400W	1050	From 1995-04-15
Quepos	QCR1	Costa Rica	9.4253N	84.1678W	45	
Quepos	QPSR	Costa Rica	9.3919N	84.1239W	52	From 1999-09-24
Quepos	SVQ2	Costa Rica,Costa Rica	9.4317N	84.1662W	14	
Quepos	QCR	Costa Rica	9.4241N	84.1653W	45	
Quepos	QPS	Costa Rica	9.4031N	84.1322W	83	From 1984-03-17
Queralbs	EXQUE	Spain	42.3483N	2.1627E	1196	
Queretaro	QUIG	Queretaro de Arteaga,Mexico	20.7000N	100.2800W		
Quesada	EQES	Spain	37.8028N	3.0711W	1140	
Quesnel	QN-	British Columbia,Canada	52.9569N	122.3958W	610	From 1962-10-26 to 1962-10-27
Quesnel	QN-BC	British Columbia,Canada	52.9569N	122.3958W	610	From 1962-10-26 to 1962-10-27
Questa, S30	SCR30	New Mexico	36.7848N	105.5971W	2350	
Quetame, Cundinamarca	QUETC	Colombia	4.3805N	73.8831W	2196	From 2016-04-23
Quetta	QUE	Pakistan	30.1883N	66.9500E	1721	From 1954-01-01
Quetta	QUET	Pakistan	30.2300N	66.9800E	1636	From 2007-11-10
Quetta	QTA	Pakistan	30.2106N	67.0189E	1900	From 2000-01-01 to 2010-12-30
Quevedo	QUEV	Ecuador	1.0420S	79.2975W	141	From 2012-05-11
Quevedo	AQUE	Ecuador	1.0481S	79.4912W	84	From 2010-08-05
Quezalapa	QZA	El Salvador	13.5239N	88.9969W	250	
Quezaltepeque	QZG	Guatemala	14.6363N	89.3840W	1798	From 1981-01-01
Quezon City	QCP	Luzon,Philippines	14.6370N	121.0770E	58	
Quezon City--PHIVOLCS	QVPH	Luzon,Philippines	14.6520N	121.0580E	45	
Quezon City--PHIVOLCS	QVP	Luzon,Philippines	14.6230N	121.0040E	15	From 1991-01-01
Quiabu	QUIN	Nicaragua	13.1250N	86.4167W	1605	
Quien Sabe	HQRH	California,U.S.A.	36.8337N	121.2130W	536	From 1969-05-29
Quien Sabe	AN13*	California,U.S.A.	36.8337N	121.2130W	536	From 1969-05-29
Quien Sabe Ranch	QSR	California,U.S.A.	36.8337N	121.2130W	536	From 1969-05-29
Quiet Lake	N32M	Yukon Territory,Canada	61.1512N	133.0818W	816	From 2016-05-11
Quilcene	B013	Washington,U.S.A.	47.8130N	122.9108W	-87	
Quiliano	QLNO	Italy	44.3242N	8.3459E	547	From 2002-02-19
Quillagua	QUL	Antofagasta,Chile	21.6556S	69.5283W	800	
Quillayute Airport, Forks	C03A	Washington,U.S.A.	47.9475N	124.5662W	48	From 2005-10-20 to 2008-02-14
Quillmana	QUM	Peru	12.9550S	76.3867W	500	
Quilmana	PT02	Peru	12.9433S	76.4367W	500	
Quilotoa	QUIL	Ecuador	0.7569S	78.9252W	3430	From 1991-01-01
Quilotoa	QIL2	Ecuador	0.8689S	78.9167W	3923	From 2007-08-08
Quilotoa	QIL1	Ecuador	0.8453S	78.9338W	3340	From 1992-05-13
Quilpie	QLP	Queensland,Australia	26.5822S	144.2345E	210	From 1989-08-12
Quimbuelo	QMBU	Cuba	20.1989N	74.8119W	355	From 2016-09-17
Quincy	D07A	Washington,U.S.A.	47.1936N	119.9732W	453	From 2006-08-30 to 2008-05-10
Quincy	O05C	California,U.S.A.	39.9620N	120.9176W	1032	From 2005-04-20 to 2007-11-20
QUININDE	QIND	Ecuador	0.3131N	79.4607W	132	From 2016-04-20
Quinn	I27A	South Dakota,U.S.A.	44.0690N	102.0525W	867	From 2009-06-17 to 2011-05-08
Quinn River	QNR	Nevada,U.S.A.	41.6972N	117.9550W	1433	
Quinn River Valley	QRV	Nevada,U.S.A.	41.6972N	117.9550W	1433	From 1974-03-01 to 1975-08-31
Quinter	Q30A	Kansas,U.S.A.	38.9772N	100.2207W	797	From 2009-05-14 to 2011-03-20
Quinton	W37A	Oklahoma,U.S.A.	35.1380N	95.4269W	281	From 2010-04-23 to 2010-11-26
Quinton	W37B	Oklahoma,U.S.A.	35.1390N	95.4316W	279	From 2011-01-28
Quinzano	GRDQ	Italy	45.2984N	10.0336E	57	From 2011-03-15
Quinzano d'Oglio BS	QUINZ	Italy	45.2982N	10.0377E	121	
Quistinic	QUIF	Bretagne,France	47.9167N	3.1656W	125	From 1996-04-03
Quititos	QITI	Ecuador	0.7858N	79.9995W	386	From 1992-04-28
Quititos 2	QIT2	Ecuador	0.7732N	80.0397W	284	
Quitman	247A	Mississippi,U.S.A.	32.0530N	88.6102W	109	From 2011-04-09 to 2013-01-21
Quitman	454A	Georgia,U.S.A.	30.7145N	83.6302W	50	From 2012-02-12
Quito	QUI	Ecuador	0.2001S	78.5005W	2837	
Quito	OAQ	Ecuador	0.2158S	78.4989W	2816	From 1978-03-01 to 1980-12-31
Quito	QTO	Ecuador	0.2084S	78.5322W	3270	From 1988-09-01 to 1991-12-30
Quito-Colegio Militar	COMIL	Ecuador	0.1962S	78.4895W	2804	From 2010-08-19
Qund	QUND	Ecuador	0.3168N	79.4807W	330	From 1994-04-01 to 1994-09-30
Qurayyt al Milh	QURS	Saudi Arabia	31.3860N	37.3240E	491	
Qusar	QSAR	Azerbaijan	41.5150N	48.2630E	638	From 2011-04-12
Qutrana	QUTJ	Jordan	31.2987N	36.0100E	876	From 1987-01-01
Q. Yuibug Volcan Tungurahua	TUYU	Ecuador	1.4824S	78.4734W	3264	From 2016-10-24
Qyzylaghash	KZAG	Kazakhstan	45.3710N	78.7220E	510	
Raºl Marn Balmaceda	RMBA	Patagonia	43.8889S	72.9069W	36	From 2010-01-01
Rab	RABC	Croatia	44.7504N	14.7821E	16	From 2015-06-25
Rabalanakaia	RAL	New Britain,Papua New Guinea	4.2203S	152.2020E	91	From 1967-01-01
Rabat	RBA	Morocco	34.0089N	6.8406W	39	From 1966-03-01
Rabat Centre	RTC	Morocco	33.9880N	6.8570W	110	
Rabat Zaers	RBZ	Morocco	33.9292N	6.8400W	116	From 1968-01-01 to 1977-12-31
Rabaul	RAB	New Britain,Papua New Guinea	4.1927S	152.1630E	185	From 1940-01-01
Rabaul	RABL	Papua New Guinea	4.1911S	152.1637E	277	From 2009-04-01
Rabaul (IGS)	ERB	New Britain,Papua New Guinea	4.1932S	152.1620E	180	
Rabbit Creek Array Site 1	RC01	Alaska,U.S.A.	61.0894N	149.7367W	374	
Rabinal	RDG	Guatemala	15.0075N	90.4718W	1930	From 1978-06-01
Rabinger, Steiermark	A029A	Austria	47.4301N	13.7611E	992	From 2015-09-07
Rabkut	RBK	Oman	17.5035N	54.2039E	550	From 2001-07-01
Racchiusole (Umbertide) PG	AT05	Italy	43.2329N	12.2715E	494	From 2010-04-01
Rachaya	RCY	Lebanon	33.4965N	35.8357E	1370	From 2006-06-01
Rachel	S11A	Nevada,U.S.A.	37.6444N	115.7472W	1456	From 2007-01-23 to 2008-09-15
Racherla	RCLA	Andhra Pradesh,India	15.4568N	78.9551E	252	From 2009-11-07
Raciborz	RAC	Poland	50.0833N	18.1942E	209	
Rackout Springs	KRKM	California,U.S.A.	39.5628N	123.1820W	1280	
Rader Ridge	RADR	Washington,U.S.A.	46.4218N	123.7990W	568	From 2011-06-28
Radio Antilles	RSV	St Vincent,Saint Vincent and the Grenadines	13.3070N	61.2360W	8	From 1979-11-20
Radio balise VOR, 83065, Gassin, Var, Provence-Alpes-Côte d'Azur	A206A	France	43.2197N	6.6010E	363	From 2016-02-17
Radium Mtn., Paradox Valley	PV13	Colorado,U.S.A.	38.1589N	108.8203W	2158	
Raeford	W58A	North Carolina,U.S.A.	35.0208N	79.2333W	84	From 2013-03-23
RAF Akrotiri, Cyprus, Site CY101	CY101	Cyprus	34.2041N	31.6291E	-2476	From 2017-02-18
RAF Akrotiri, Cyprus, Site CY201	CY201	Cyprus	33.6976N	31.9089E	-2585	From 2017-02-17
RAF Akrotiri, Cyprus, Site CY301	CY301	Cyprus	33.3003N	33.0541E	-1690	From 2017-03-16
RAF Akrotiri, Cyprus, Site CY302	CY302	Cyprus	33.2962N	33.0439E	-1691	From 2017-03-16
RAF Akrotiri, Cyprus, Site CY303	CY303	Cyprus	33.3101N	33.0535E	-1719	From 2017-03-16
RAF Akrotiri, Cyprus, Site CY304	CY304	Cyprus	33.3040N	33.0461E	-1700	From 2017-03-16
RAF Akrotiri, Cyprus, Site CY305	CY305	Cyprus	33.3112N	33.0425E	-1696	From 2017-03-16
RAF Akrotiri, Cyprus, Site CY306	CY306	Cyprus	33.3033N	33.0371E	-1699	From 2017-03-16
RAF Akrotiri, Cyprus, Site CY401	CY401	Cyprus	33.8813N	33.9054E	-2181	From 2017-02-25
RAF Akrotiri, Cyprus, Site CY501	CY501	Cyprus	34.1305N	34.2543E	-2110	From 2017-02-26

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
RAF Akrotiri, Cyprus, Site CY601	CY601	Cyprus	34.3447N	34.5054E	-2030	From 2017-03-03
RAF Akrotiri, Cyprus, Site CY602	CY602	Cyprus	34.3466N	34.5168E	-2027	From 2017-03-03
RAF Akrotiri, Cyprus, Site CY603	CY603	Cyprus	34.3349N	34.5027E	-2039	From 2017-03-03
RAF Akrotiri, Cyprus, Site CY604	CY604	Cyprus	34.3393N	34.5121E	-2034	From 2017-03-04
RAF Akrotiri, Cyprus, Site CY605	CY605	Cyprus	34.3314N	34.5132E	-2037	From 2017-03-04
RAF Akrotiri, Cyprus, Site CY606	CY606	Cyprus	34.3383N	34.5210E	-2032	From 2017-03-04
Raffo Rosso	RAFF	Sicily,Italy	37.2225N	14.3624E	310	From 2005-12-22
Rafha	SRFHA	Saudi Arabia	29.0340N	44.6050E	398	
Rafsanjan	RFDD	Iran	30.5200N	56.2600E	0	
RAFT	RAFT	Washington,U.S.A.	46.1957N	122.1863W	2132	
Rafter H Ranch, Green River	Q18A	Utah,U.S.A.	39.1025N	110.1328W	1295	From 2007-07-14 to 2009-03-09
Ragged Mountain	RAGM	Alaska,U.S.A.	60.3870N	144.6750W	739	From 1984-01-01
Ragged Mountain	RGD	Alaska,U.S.A.	60.2192N	144.5460W	610	
Rahes	S001	Greece	37.2830N	21.7180E	156	
Rahkiv	RAKU	Carpathian Mountains	48.0259N	24.1663E	440	From 2004-07-01
Raibl	RBL	Italy	46.4417N	13.5683E	900	From 1978-02-06 to 1988-01-01
Railroad Flat South	MRFM	California,U.S.A.	38.2453N	120.5210W	799	From 1976-07-12
Rainbow Creek	VRC	Oregon,U.S.A.	42.3367N	122.2180W		From 1993-10-07
Rainbow Monument	RMU	Utah,U.S.A.	37.0760N	110.9700W	1536	
Rainbow Mountain	RBY	North Island,New Zealand	38.3194S	176.3880E	730	From 1984-01-03 to 1984-04-22
Raindorf	A358A	Germany	48.8697N	13.1943E	738	From 2015-10-23
Rainelle	RN-	West Virginia,U.S.A.	38.0764N	80.8483W	853	From 1962-12-31 to 1963-05-16
Rainelle	RN-WV	West Virginia,U.S.A.	38.0764N	80.8483W	853	From 1962-12-31 to 1963-05-16
Rainier	RAIO	Washington,U.S.A.	46.0403N	122.8851W	11	
Rainier, OR	F04D	Oregon,U.S.A.	46.0829N	123.0108W	236	From 2009-11-14
Rainshed	RSD	Hawaii,U.S.A.	19.4630N	155.2780W	1270	
Rainy Point	RAEZ	North Island,New Zealand	39.2865S	174.3935E	326	From 1997-05-30 to 2010-02-23
Rajabasa	RBSI	Sumatera,Indonesia	5.8445S	105.7420E	0	From 2007-12-01
Raja-Jooseppi	RAJF	Finland	68.4751N	28.3110E	227	From 2017-10-01
Rajamunda Odisha,India	RAJA	Orissa	21.4690N	85.1194E	143	From 2015-07-16
Rakaia	RACZ	South Island,New Zealand	43.7271S	172.1396E	86	From 2012-06-30
Rakhov	RAK	Carpathian Mountains	48.0550N	24.1980E	460	
Raleigh	RALT	Tennessee,U.S.A.	35.2060N	89.9410W	100	
Raluana Point	RPT	New Britain,Papua New Guinea	4.2952S	152.2160E	1	From 1972-01-01
Ramage Ranch	RAMR	California,U.S.A.	35.6360N	120.8698W	416	
Ramage Ranch, Paso Robles	V04C	California,U.S.A.	35.6360N	120.8699W	431	From 2004-06-07 to 2007-09-01
Ramah	W20A	New Mexico,U.S.A.	35.1259N	108.5001W	2110	From 2008-01-13 to 2010-02-07
Raman	RAM	Turkey	37.7658N	41.2925E	850	From 1964-01-01
Ramapo Mountain	RAMA	New Jersey,U.S.A.	41.0952N	74.1807W	247	From 1978-11-21
Ramban	RMBN	Jammu and Kashmir,India	33.2312N	75.2455E		
Ramesheh	IRAM	Iran	31.8088N	52.3815E	2000	From 2000-09-01
Ramhormoz	RMKL	Iran	30.9820N	49.8090E	176	From 2008-01-22
RAMI	RAMI	Israel	32.7860N	35.1280E	37	From 1988-05-01 to 1990-09-30
Ramite	RAMN	Nepal	26.9500N	86.6000E	2134	From 1994-04-01
Rammel Mountain	RAMW	Wyoming,U.S.A.	43.8890N	110.9500W	2512	From 1986-01-01
Rmnicu Srat	RMSR	Romania	45.3906N	27.0384E	154	From 2019-03-13
Ramnicu Valcea	RMV	Romania	45.1201N	24.3685E	255	From 2015-09-07
Ramos, ABE	ABEMX	Baja California	32.4183N	116.6140W	487	
Rampart Ranch, Las Vegas	V24A	New Mexico,U.S.A.	35.7259N	105.2716W	2187	From 2008-06-03 to 2010-04-02
Rampur	RPR	Andhra Pradesh,India	18.8579N	79.2939E	162	From 2008-10-01
Rancho agua Caliente	RACA	Baja California	32.0198N	116.3010W	744	From 2010-02-18
Rancho Alamar	ALAMX	Baja California	32.0075N	115.7080W	318	From 2015-12-03
Rancho Bola	RANB	Spain	36.6328N	6.1384W	65	From 1993-04-01 to 2003-05-07
Rancho Dawling	RDX	Baja California,Mexico	31.9282N	115.9422W	1708	From 1989-09-29
Rancho las Palomas, RLP	CRLP	Mexico	31.6887N	116.5092W	184	
Rancho Los Cerritos	LCL	California,U.S.A.	33.8333N	118.1920W	8	
Rancho Maria	MARY	Ecuador	0.7337S	78.4867W	3700	From 1990-09-07
Rancho Maria	CAMI	Ecuador	0.6767S	78.5047W	3630	From 2005-05-17
Rancho Navarro	GRNM	California,U.S.A.	39.1753N	123.5760W	73	
Rancho No Tengo, Wagon Mound	V25A	New Mexico,U.S.A.	35.8383N	104.6164W	1861	From 2008-05-17 to 2010-04-10
Rancho Palos Verdes	RPV	California,U.S.A.	33.7433N	118.4043W	64	From 1993-01-01
Rancho San Jose	RSJ	Baja California,Mexico	30.9733N	115.7450W	650	
Rancho San Luis	RSLU	Baja California	32.1160N	115.8410W	1490	From 2010-02-17
Rancho Ultima Agua, B.C.S	UAGRB	Baja California	25.5620N	111.2570W	180	From 2015-11-22
Rancho Viejo MIN	MINMX	Baja California	32.0533N	116.7825W	328	
Ranco del Oso Pardo, S29	SCR29	New Mexico	36.9591N	106.5352W	2587	
Rancolfo	B001	Italy	43.2550N	12.4317E	494	From 2011-02-08
Randall Ranch, Ashland	T31A	Kansas,U.S.A.	37.0977N	99.6771W	564	From 2009-04-01 to 2011-03-11
Randle	E05A	Washington,U.S.A.	46.5605N	121.7608W	1481	From 2005-10-28 to 2008-02-11
Randolf College Riding Center, Lynchburg	RCRC	Virginia,U.S.A.	37.4320N	79.2718W	271	
Rand Water	RDWR	South Africa	26.2901S	28.0370E	1645	From 2010-01-01
Rangdo, Negare	RTBI	Bali,Indonesia	8.4597S	114.9420E	300	
Rangely	RGC	Colorado,U.S.A.	40.1042N	108.9270W	1610	From 1975-02-01
Rangipo	RGZ	North Island,New Zealand	39.1535S	175.8340E	820	From 1984-07-19 to 1989-03-31
Rangitukua	RATZ	North Island,New Zealand	38.8665S	175.7722E	653	From 1984-11-21
Rangndo	RANI	Bali,Indonesia	8.4525S	114.9490E	500	
Rangoon	RAN	Myanmar	16.8667N	96.1833E	14	
Rankasinga Odisha,India	RANK	Orissa	20.8877N	85.1402E	90	From 2015-07-14
Rankin Inlet	YRTN	Northwest Territories,Canada	62.8104N	92.1096W	23	
Ranney Well	RWW	Washington,U.S.A.	46.9639N	123.5433W	15	
Ranong	RNTT	Thailand	9.3904N	98.4778E	38	
Ransiki, Papua	RKPI	Irian Jaya,Indonesia	1.5107S	134.1773E	106	From 2008-12-01
Rantau Prapat	RPSI	Sumatera,Indonesia	2.6951N	98.9240E	0	From 2007-12-01
Ranua	RANF	Finland	66.0147N	26.7886E	188	From 2016-12-21
Ranyah	RYNS	Saudi Arabia	21.3223N	42.8478E	974	
Ranyah	RNYS	Saudi Arabia	21.4267N	42.7662E		
Ro Olivares	MT04	Metropolitana	33.4050S	70.1370W	2082	From 2016-08-01
Raoul Island	RAO	Kermadec Islands,New Zealand	29.2517S	177.9180W	110	
Raoul Island	RIZ	Kermadec Islands,New Zealand	29.2449S	177.9289W	110	From 2009-06-01
Rapa Nui	RPN	Easter Island,Chile	27.1267S	109.3340W	110	From 1987-07-01
Rapidan	R58A	Virginia,U.S.A.	38.2989N	78.0034W	184	From 2013-04-17
Rapid City	RCD	South Dakota,U.S.A.	44.0750N	103.2080W	995	From 1943-01-01
Rapindik	RAP	New Britain,Papua New Guinea	4.2289S	152.1970E	3	From 1950-01-01 to 1958-12-31
Raron, Airdrome, VS	RAR02	Switzerland	46.3033N	7.8245E	636	From 2018-07-13
Raron, Gemeindekanzlei, VS	RAR01	Switzerland	46.3090N	7.8010E	635	From 2018-07-13
Rarotonga	RAR	Cook Islands	21.2125S	159.7730W	28	From 1965-08-01
Rasa	RASA	Romania	44.2144N	27.1493E	50	From 2012-10-31
Ras Al Marh	MARH	Syria	34.0261N	36.4817E	2640	From 1994-12-01
RASCA	PRAR	Romania	47.3617N	26.2276E	451	From 2008-11-27
Ras En-Naqb	NAQJ	Jordan	30.0000N	35.5050E	1640	From 1990-03-15
Rashteghoun_ Qazvin	QRS1	Iran	36.3322N	50.1469E	1559	From 2019-09-14 to 2019-12-04
Rasht - Gilan	RST1	Iran	37.2324N	49.6300E	12	From 2015-07-13
Raspberry Island	RAI	Alaska,U.S.A.	58.0605N	153.1590W	520	From 1975-10-01
Rassina, Castel Focognano (AR)	ARAS	Italy	43.6541N	11.8432E	326	From 2011-05-24 to 2011-09-30
R,st	N2RO	Norway	67.5173N	12.1158E	4	From 2013-08-01 to 2016-05-30
Rastdorf	RAST	Germany	52.9096N	7.7164E	37	From 2012-01-01
Rata	RATI	Bali,Indonesia	8.7233S	115.5320E	400	
Rata Peaks	RPZ	South Island,New Zealand	43.7146S	171.0539E	403	From 2001-06-06
Rataul	RTUL	Uttar Pradesh,India	28.8322N	77.3418E	0	
Rath Farm, Roundup	E19A	Montana,U.S.A.	46.4611N	108.7860W	1059	From 2008-08-13 to 2010-06-06
Rathfarnham	DUB	Ireland	53.2986N	6.2825W	52	
Rat Island	RAT	Alaska,U.S.A.	51.7991N	178.3300E	226	From 1970-10-14 to 1973-04-30
Raton	RT-NM	New Mexico,U.S.A.	36.7294N	104.3603W	1951	From 1961-12-04 to 1965-03-22
Raton	RT-	New Mexico,U.S.A.	36.7294N	104.3603W	1951	From 1961-12-04 to 1965-03-22
Rattlesnake Hills	RSW	Washington,U.S.A.	46.3945N	119.5913W	1045	From 1970-07-01
Rattlesnake Lake	RATT	Washington,U.S.A.	47.4255N	121.8025W	440	
Rattlesnake Mountain	RMW	Washington,U.S.A.	47.4597N	121.8050W	1024	
Rattlesnake Point	ORAM	California,U.S.A.	39.4687N	121.4130W	588	From 1975-08-05
Ratzakli, Kefalonia, Greece	RTZL	Greece	38.0760N	20.7715E	103	From 2018-06-14
Raukumara Range	RUGZ	North Island,New Zealand	37.9651S	177.6775E	1175	From 2011-05-19
RAUL	RAUL	Bolivia	19.2999S	60.7065W	335	From 1994-11-29 to 1995-02-02
Rauma	RAF	Finland	61.0230N	21.7640E	30	From 2005-10-31
Raurimu	RUZ	North Island,New Zealand	39.1252S	175.3380E	450	From 1990-08-14 to 1992-05-28
Rausandaksla	RAUS	Norway	66.4366N	14.0416E	290	From 2019-09-13
Rausu	JRA	Nemuro,Japan	43.9378N	145.1220E	10	
Rauvai	RUV	Tuamotu,French Polynesia	15.1889S	147.3840W	3	
Ravarino	RAVA	Italy	44.7559N	11.1188E	15	From 2003-11-10
Ravascletto	RVST	Italy	46.5232N	12.9265E	992	From 2019-02-12
Ravensbos	RSB	Netherlands	50.8883N	5.8325E	135	From 1970-02-01 to 1972-04-10

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Ravensburg	RAV	Baden-Wurttemberg,Germany	47.7870N	9.6216E	460	From 1914-01-01 to 1994-09-30
Ravensburg, Horgenzell	A103A	Germany	47.8102N	9.5221E	547	From 2015-11-08
Ravensburg, Schmalleg	A103B	Germany	47.8102N	9.5222E	547	From 2016-11-08
Ravensburg, Wasserhochbh2	A103D	Germany	47.8008N	9.5500E	603	From 2018-05-28
Ravenstein	A116A	Germany	49.3980N	9.4833E	323	From 2015-11-03
Ravensthorpe	RAVT	Western Australia	33.5810S	120.0457E	80	
Raver	RAW	Washington,U.S.A.	47.3372N	121.9314W	208	
Ravine Marchand	RMGF	Guadeloupe,France	16.0443N	61.6657W	1150	
Rawhide Mountain	RH-NV	Nevada,U.S.A.	38.2267N	116.3814W	1768	
Rawhiti Farm	RAWNZ	New Zealand	38.0130S	177.0440E	75	
Rawiri	RAGZ	North Island,New Zealand	38.4956S	177.4154E	889	From 2008-07-02
Rawlins	RWWY	Wyoming,U.S.A.	41.6889N	107.2102W	2402	From 2004-09-01
Rawlins	L21A	Wyoming,U.S.A.	41.9641N	107.3695W	2065	From 2007-10-31 to 2009-10-10
RAYAGADA	RAGD	Orissa	19.2470N	83.4570E	255	From 2015-12-12
Raymond	B019	Washington,U.S.A.	46.6527N	123.6518W	9	
Raymond Alberta	RAYA	Alberta,Canada	49.3863N	112.6873W	1023	From 2010-07-09
Raywood Flat	RAY	California,U.S.A.	34.0363N	116.8110W	2342	
Razeghan	IRAZ	Iran	35.4046N	49.9290E	1950	From 1996-01-01
Razgrad	RAZG	Bulgaria	43.5662N	26.5079E	383	From 2012-11-20
Reactor, Bogot	REAC	Colombia	4.6420N	74.0950W	2554	From 1996-01-19
Reagan Ranch, Oscar	Y34A	Oklahoma,U.S.A.	33.9574N	97.7573W	262	From 2009-11-07 to 2011-09-05
Reales	REAL	Spain	36.4840N	5.2078W	1452	
Reason Mountain	RMNB	California,U.S.A.	36.0009N	120.4777W	1091	
Reay	ORE	Scotland,United Kingdom	58.5480N	3.7622W	100	From 1995-09-21
Rebuntou	JRBN	Hokkaido,Japan	45.4234N	141.0650E	15	From 2013-07-01
Receiver Site	NYR	Nevada,U.S.A.	37.0553N	116.0920W	1279	From 1971-01-01 to 1973-01-31
Reche Mountain	RCH	California,U.S.A.	34.3073N	116.3500W	841	From 1979-04-01
Recreation Park	RCP2	California,U.S.A.	33.7777N	118.1330W	-85	From 1985-03-22
Recreo	REC	Guatemala	14.4375N	90.5227W	1500	From 1975-04-01
Rector	U43A	Arkansas,U.S.A.	36.3693N	90.4057W	96	From 2011-07-21 to 2013-03-15
Rector, Farmersville	RCTC	California,U.S.A.	36.3052N	119.2438W	107	From 1999-10-11
Red Bluff	O02C	California,U.S.A.	40.1767N	122.7883W	962	From 2005-07-20 to 2007-10-11
Red Boiling Springs	U49A	Tennessee,U.S.A.	36.5129N	85.7796W	234	From 2012-05-22
Red Bud	R43A	Illinois,U.S.A.	38.2760N	89.9308W	186	From 2011-08-03 to 2013-04-28
Red Butte Canyon	RBU	Utah,U.S.A.	40.7808N	111.8080W	1676	From 1974-06-01
Red Cone	RCO	Hawaii,U.S.A.	19.4060N	155.6298W	3601	
Red Cones	MRDM	California,U.S.A.	37.5978N	119.0587W	2657	
Reddig Ranch South, Frazer	B22A	Montana,U.S.A.	48.3008N	105.9964W	836	From 2008-09-14 to 2010-07-15
Redding Peak	LRDM	California,U.S.A.	40.4642N	121.4610W	859	From 1976-11-12
Red Dirt Ranch, Kanab	T15A	Utah,U.S.A.	37.0183N	112.3824W	1561	From 2007-02-14 to 2008-11-11
Red Dog Mine	RDOG	Alaska,U.S.A.	68.0541N	162.9080W	421	From 2009-06-20
Rede	A268A	Hungary	47.4313N	17.9238E	201	From 2016-02-02
Red Earth Creek	RDEA	Alberta,Canada	56.5513N	115.3179W	0	From 2011-06-08
Redenius Farm, Forest	J37A	Iowa,U.S.A.	43.3103N	93.5527W	385	From 2010-10-06 to 2012-09-10
Red Feather Lakes	N23A	Colorado,U.S.A.	40.8947N	105.9440W	2458	From 2008-07-05 to 2599-12-31
Redhead, NSW Australia	REDH	New South Wales,Australia	33.0197S	151.6975E	8	From 2011-01-01
Red Hill	RHT	Tennessee,U.S.A.	35.0781N	84.8825W	299	
Red Hills	RHJ	Jamaica	18.0707N	76.8540W	779	From 1993-11-01
Redig	RG-	South Dakota,U.S.A.	45.2164N	103.5347W	945	From 1965-10-25 to 1966-09-26
Redig	RG-SD	South Dakota,U.S.A.	45.2164N	103.5347W	945	From 1965-10-25 to 1966-09-26
Red Ives Forest Station, Avery	D12A	Idaho,U.S.A.	47.0528N	115.3525W	1135	From 2006-11-08 to 2009-07-21
Red Lake	RLKO	Ontario,Canada	51.0704N	93.7585W	362	From 2004-11-19
Red Lake	RDLO	Ontario,Canada	50.9745N	93.9124W	390	
Red Lake	RK-	Ontario,Canada	50.8389N	93.6722W	366	
Red Lake	RSON	Ontario,Canada	50.8589N	93.7022W	335	From 1982-01-01 to 1990-10-01
Red Lake	RK-ON	Ontario,Canada	50.8389N	93.6722W	366	
Red Lodge	YPRL	Montana,U.S.A.	45.1617N	109.3017W	1951	
Red Lodge	RLMT	Montana,U.S.A.	45.1221N	109.2673W	2086	From 2006-09-12
Red Mountain	KRMM	California,U.S.A.	41.5221N	123.9063W	1247	
Red Mountain	RDMU	Utah,U.S.A.	40.5708N	109.5695W	2087	From 2009-12-02
Red Mountain	REDWA	Washington,U.S.A.	46.2987N	119.4383W	366	
Red Mountain	KRMB	California,U.S.A.	41.5230N	123.9080W	1265	
Redondo Peak	REDP	New Mexico,U.S.A.	35.8711N	106.5630W	3417	From 1977-10-01
Redoubt	RDT	Alaska,U.S.A.	60.5738N	152.4060W	930	From 1971-08-09
Redoubt East 2	RDDR	Alaska,U.S.A.	60.5849N	152.5863W	905	
Redoubt East Flank	REF	Alaska,U.S.A.	60.4892N	152.7020W	1801	From 1990-03-14
Redoubt Jeurgen	RDJH	Alaska,U.S.A.	60.5911N	152.8036W	1414	
Redoubt North	RDN	Alaska,U.S.A.	60.5138N	152.7630W	1372	From 1988-01-01
Redoubt South	RSO	Alaska,U.S.A.	60.4622N	152.7540W	1921	From 1990-03-01
Redoubt South	RDSO	Alaska,U.S.A.	60.4542N	152.7430W	1557	
Redoubt South 1	RS1	Alaska,U.S.A.	60.4602N	152.7580W	1864	From 1990-09-10
Redoubt South 2	RS2	Alaska,U.S.A.	60.4630N	152.7573W	1953	From 1990-09-10
Redoubt Volcano	RED	Alaska,U.S.A.	60.4189N	152.7720W	1067	From 1974-01-01
Redoubt Vol. East	RDE	Alaska,U.S.A.	60.5869N	152.5925W	564	
Redoubt West	RDWB	Alaska,U.S.A.	60.4881N	152.8402W	1546	
Redoubt West	RDW	Alaska,U.S.A.	60.4827N	152.8100W	1813	From 1990-09-07
Red Ridge	RRI2	Idaho,U.S.A.	43.3474N	111.3201W	2558	From 1986-07-02
Red Ridge	RRI	Idaho,U.S.A.	43.3630N	111.3380W	2408	From 1985-07-20 to 1986-07-02
Red Rock Canyon	MRCM	California,U.S.A.	37.6737N	118.5071W	2023	From 1986-07-23
Red Rock Canyon	RRO	Oklahoma,U.S.A.	35.4569N	98.3584W	482	From 1978-08-09
Red Spur Mountain	RSUT	Utah,U.S.A.	41.6385N	111.4150W	2682	From 1979-10-01
Redstone	A23A	Montana,U.S.A.	48.9592N	104.8786W	665	From 2008-09-10 to 2010-07-14
Redstone River	E19K	Alaska,U.S.A.	67.4572N	157.2316W	441	From 2017-07-21
Red Top Meadow	REDW	Wyoming,U.S.A.	43.3624N	110.8520W	2192	From 1986-01-01
Redvale	R20A	Colorado,U.S.A.	38.1888N	108.3792W	2003	From 2008-01-05 to 2010-02-07
Redwood Retreat	JRRM	California,U.S.A.	37.0545N	121.7270W	408	From 1976-01-09
Reed	REKY	Kentucky,U.S.A.	37.8520N	87.3280W	0	
Reed City	I46A	Michigan,U.S.A.	43.9411N	85.4472W	359	From 2012-11-05
Reedsville	P55A	West Virginia,U.S.A.	39.5078N	79.8265W	551	From 2012-12-14
Reedy Creek 5	WRCQ	Queensland,Australia	27.1874S	152.6631E		From 1984-07-11
Rees Ranch, Coalville	N16A	Utah,U.S.A.	40.8869N	111.4370W	2028	From 2007-07-10 to 2009-04-07
Refahiye_ERZNCAN	REFA	Turkey	39.9060N	38.7651E	1594	From 2010-10-27
Reffroy	RFYF	Champagne-Ardenne,France	48.6289N	5.4741E	330	From 2002-08-20
Refrontolo, Italy	MREF	Italy	45.9249N	12.2117E	268	From 2010-06-08
Refugio	RETU	Ecuador	1.4512S	78.4460W	4050	From 1994-12-02
Refugio Cayambe	CAYR	Ecuador	0.0153N	78.0066W	4868	
Refugio Guagua Pichincha	GGP	Ecuador	0.1743S	78.5947W	4420	From 1988-09-30
Refugio Sur-Volc¡n Chimborazo	CHSH	Ecuador	1.4939S	78.8693W	4476	From 2012-09-20
Refugio Volc¡n Tungurahua	BTUN	Ecuador	1.4517S	78.4419W	4050	From 2013-10-10
Regaby Place Court San Jose	C052	California,U.S.A.	37.2963N	121.8066W	50	From 2010-11-09
Regan	D28A	North Dakota,U.S.A.	47.1929N	100.5692W	621	From 2009-08-04 to 2011-06-29
Regar	REG*	Tajikistan	38.5000N	68.2333E		
Regar	RGR	Tajikistan	38.5000N	68.2333E		
Reggio Calabria	RCI	Italy	38.1056N	15.6433E	29	
Reggio Calabria	MRCB	Italy	38.1620N	15.7030E	500	From 1993-12-01
Reggio Calabria	CRCA	Italy	38.1120N	15.6470E	30	From 2008-01-02
Reggio Calabria Universita	RCU	Italy	38.1214N	15.6662E	128	From 2003-01-28
Region of Thessaloniki	PRF2	Greece	40.5927N	22.9556E	30	From 2010-08-01
Rehia	CRHA	Algeria,Algeria	35.7663N	7.6440E	957	
Reichold	RHA	Alabama,U.S.A.	33.2417N	87.4660W	83	From 1971-01-09
Reidovoe	REI	Sakhalinskaya Oblast',Russia	45.2667N	148.0167E		
Reims	RMSF	Champagne-Ardenne,France	49.2820N	4.0210E	110	From 2008-01-01
Rein	RISI	Italy	46.9480N	12.0787E	1785	From 2006-12-13
Reinach, Rainenweg	SRER	Switzerland	47.5116N	7.5979E	343	From 2011-04-01
Reinach, Reinacherhof	SRNR	Switzerland	47.5111N	7.6034E	341	From 1997-08-07
Reinberg	A011B	Austria	47.4086N	15.9587E	556	From 2016-06-29
Reindeer	RND	Alaska,U.S.A.	63.4062N	148.8530W	991	From 1986-01-01
Reinke Road, Clintonville	WI02	Wisconsin,U.S.A.	44.5961N	88.7696W	260	
Rekieta Farm, Paducah	Y31A	Texas,U.S.A.	33.9620N	100.2615W	530	From 2009-03-16 to 2011-02-12
Reko	RKS	Solomon Islands,Papua New Guinea	9.1564S	159.8080E		
Relizane	RLA	Algeria	35.5833N	0.5833E	180	
Relizane	REL	Algeria	35.7500N	0.5500E	75	From 1955-01-01 to 1961-12-31
Rembrandt	REMW	Washington,U.S.A.	46.1992N	122.1840W	2102	From 1987-01-01
Remedios, Chiriqui	REME3	Panama	8.2270N	81.8320W	76	From 2010-01-01
Remer	D35A	Minnesota,U.S.A.	47.0810N	94.0529W	427	From 2010-08-27 to 2012-07-30
Remote	REM	Alaska,U.S.A.	65.9550N	164.5780W	300	
Remote	RON	Alaska,U.S.A.	62.6912N	150.2040W	470	From 1971-08-01 to 1974-10-31
Remsen	J58A	New York,U.S.A.	43.3603N	75.2852W	436	From 2013-08-27
Renai	OWD	Taiwan region	23.9545N	121.1759E	1263	From 2011-12-22

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Renai	WUSB	Taiwan region	23.9919N	121.1175E	1152	From 2013-01-28
Renai	CHGB	Taiwan region	24.0602N	121.1740E	1850	From 2005-08-02
Renca	MT05	Metropolitana	33.3919S	70.7381W	765	From 2013-10-21
Renegade Can. W	WRCM	California,U.S.A.	35.9502N	117.6470W	954	From 1975-09-26
Renegade Canyon West	RCWM	California,U.S.A.	35.9502N	117.6470W	954	From 1975-09-26
Rengat	RGRI	Sumatera,Indonesia	0.3491S	102.3338E	41	From 2005-01-01
Renmark High School	AURMK	South Australia,Australia	34.1700S	140.7400E	26	From 2013-08-11
Rennes	RENF	Bretagne,France	48.1190N	1.6350W	40	
Reno	REN	Nevada,U.S.A.	39.5400N	119.8130W	1383	From 1911-01-01 to 1975-02-28
Reno Superiore	RSP	Italy	45.1482N	7.2653E	1285	From 1986-01-01
Rentapao	RTV	Vanuatu	17.7925S	168.4250E		
Renzetti	ATRE	Italy	43.5461N	12.2639E	462	From 2013-09-17
Represo Algodones	CNALG	Baja California	32.6808N	114.7500W	37	
Repton	349A	Alabama,U.S.A.	31.3504N	87.1924W	88	From 2012-01-20
Repubblica di San Marino	RSM	San Marino	43.9303N	12.4497E	645	From 1988-01-01
Republican Road	RRRZ	North Island,New Zealand	38.3390S	176.5146E	493	From 2007-12-10
Resadiye-TOKAT	RSDY	Turkey	40.3972N	37.3273E	550	From 2007-06-13
Resana (TV)	A302A	Italia	45.6335N	11.9713E	26	From 2015-10-30
Research School of Earth Sciences	AUSIS	Australian Capital Territory,Australia	35.2800S	149.1100E	585	From 2011-05-04
Reserva Natural Don Carmelo	DOCA	San Juan	30.9492S	69.0827W	3133	From 2017-03-31
Reservoir Flats	RFM	Montana,U.S.A.	46.1047N	112.4870W	2353	From 1984-01-01 to 1987-11-13
Reservoir Mazembroz, Wallis, VS	FULLY	Switzerland	46.1563N	7.1358E	603	From 2018-06-28
Resinera	RESI	Spain	36.8732N	3.0700W	1322	
Resita	RSTR	Romania	45.2987N	21.8751E	257	From 2019-03-11
Resolute Bay	RES	Northwest Territories,Canada	74.6867N	94.9000W	15	
Restauracion	REDR	Dominican Republic	19.1660N	71.3941W	55	From 2014-06-21
Restoule Provincial Park	RSPO	Ontario,Canada	46.0734N	79.7602W	264	
Resuttano	RESU	Italy	37.6468N	14.0568E	785	From 2008-02-25
Retalhuleu	RTAL	Guatemala	14.5246N	91.6949W	205	
Retamim	RTAM	Israel	31.0480N	34.6770E	259	From 1986-01-01 to 1987-10-31
Retamim	RTMI	Israel	31.0545N	34.6912E	261	From 2006-09-04
Retamin	RTMM	Israel	31.0510N	34.6863E	255	
Rethem	RETHO	Germany	52.7382N	9.3607E	20	From 2012-09-30
Rethem/Aller, Germany	RETH	Niedersachsen,Germany	52.7379N	9.3611E	-325	From 2012-06-01
Rethymno-Limin	RTHF	Greece	35.3668N	24.4835E	0	
Rethymnon	RTH1	Crete,Greece	35.3653N	24.4717E	35	From 2010-10-01
Retiro	CHUE	Maule,Chile	36.0897S	71.7983W	161	
Retrosi-1	MZ25	Italy	42.6232N	13.3192E	1009	From 2016-10-11 to 2016-11-22
Retrosi-2	MZ26	Italy	42.6236N	13.3164E	983	From 2016-10-11 to 2016-11-22
Reunion Island	REU	Reunion,France	21.1950S	55.5772E	1550	From 1968-05-03
Reus	REUS	Spain	41.1348N	1.1859E	48	From 2011-05-06
Reutlingen	REUL	Baden-Wurttemberg	48.4934N	9.2242E	390	From 2016-10-01
Reutte	RETA	Austria	47.4871N	10.7623E	965	From 2006-12-13
Reveille Range	RVE	Nevada,U.S.A.	38.0197N	116.1920W	2290	From 1979-06-08 to 1981-12-31
Revenden	U42A	Arkansas,U.S.A.	36.3514N	91.2383W	119	From 2011-06-21 to 2013-03-13
Reventador Sur	REVS	Ecuador	0.1053S	77.6201W	2000	From 2013-03-13
Reventador volcano	EPALM	Ecuador	0.2133S	77.7292W	1761	From 2002-11-21
Revere	REVF	Provence-Cote d'Azur,France	43.7400N	7.3675E	700	
Reverse DX Ranch, Oshkosh	M27A	Nebraska,U.S.A.	41.5281N	102.3872W	1147	From 2008-12-05 to 2010-10-10
Revivim	RVVM	Israel	31.0410N	34.7210E	200	
Revivim	REVI	Israel	31.0405N	34.7200E	273	From 2010-06-16
Rev-Rev Volc	REVE	Ecuador	0.0420S	77.5235W	1440	From 2002-04-04 to 2003-04-01
REWA	REW	Madhya Pradesh,India	24.5658N	81.3354E	280	From 2000-06-04
Rexburg	REX	Idaho,U.S.A.	43.8125N	111.7830W	1532	From 1972-04-20
Rexford	RXF	Montana,U.S.A.	48.8648N	115.1240W	1231	From 1976-10-01 to 2004-03-11
Reyes Peak	RYS	California,U.S.A.	34.6433N	119.3510W	1841	From 1976-06-01
Reyhanli	REYT	Turkey	36.2500N	36.6000E	230	From 1998-03-01
Reykjanes	IRNE	Iceland	63.8168N	22.7056W	19	From 2008-06-19
Reykjavik	REY	Iceland	64.1278N	21.9050W	44	
Reynihlio	IREN	Iceland	65.6470N	16.9060W	338	From 1996-11-03
Rhampton Hrock	RK1	Queensland,Australia	23.3886S	150.4938E	87	
Rhampton Srock	RK2	Queensland,Australia	23.3825S	150.5248E	40	
Rheinberg	BRHE	Nordrhein-Westfalen,Germany	51.5155N	6.5710E	24	From 2004-12-01
Rheinfelden, Werkhof, AG	SRFW	Switzerland	47.5532N	7.8068E	297	From 2017-05-08
Rheinpreussen Mine	RPM	Nordrhein-Westfalen,Germany	51.4723N	6.6343E	-412	
Rhenigidale	RRH	Scotland,United Kingdom	57.9197N	6.6882W	103	From 1995-09-10
Rhiw	YRH	Wales,United Kingdom	52.8335N	4.6290W	300	From 1984-01-01
Rhoboro Hills	RHP	South Island,New Zealand	44.0991S	170.0839E	899	From 1978-04-24 to 1983-11-21
Rhoda Avenue Oakland	C020	California,U.S.A.	37.8008N	122.2075W	74	From 2009-07-08
Rhodes	RHO	Greece	36.4372N	28.2236E	45	From 1965-11-18 to 1966-04-04
Rhodes College	RDST	Tennessee,U.S.A.	35.1578N	89.9886W	79	
Rhodes Hospital	RPN1	Greece	36.4486N	28.2180E	14	From 2012-08-01
Rhodes Town Hall	RDI1	Greece	36.4514N	28.2240E	6	From 2012-08-01
Rhonegletscher, north of the glacier lake, VS	RA43	Switzerland	46.5857N	8.3832E	2320	From 2017-08-31
Rhonegletscher, north of the glacier lake, VS	RA42	Switzerland	46.5874N	8.3829E	2344	From 2017-08-31
Rhonegletscher, Obergoms, Schweiz	RA53	Switzerland	46.5962N	8.3822E	2447	From 2017-04-29
Rhonegletscher, Obergoms, Schweiz	RA52	Switzerland	46.5976N	8.3805E	2447	From 2017-04-29
Rhonegletscher, Obergoms, Schweiz	RA51	Switzerland	46.5979N	8.3832E	2447	From 2017-04-29
Rhonegletscher, RA01, VS	RA01	Switzerland	46.5869N	8.3894E	2326	From 2012-08-29 to 2012-10-02
Rhonegletscher, RA02, VS	RA02	Switzerland	46.5878N	8.3870E	2348	From 2012-08-29 to 2012-10-02
Rhonegletscher, RA03, VS	RA03	Switzerland	46.5865N	8.3854E	2327	From 2012-08-29 to 2012-10-02
Rhonegletscher, RA04, VS	RA04	Switzerland	46.5856N	8.3883E	2320	From 2012-08-30 to 2012-10-02
Rhonegletscher, RA05, VS	RA05	Switzerland	46.5855N	8.3890E	2317	From 2012-08-30 to 2012-10-02
Rhonegletscher, RA06, VS	RA06	Switzerland	46.5864N	8.3914E	2314	From 2012-08-30 to 2012-10-02
Rhonegletscher, RA07, VS	RA07	Switzerland	46.5891N	8.3888E	2352	From 2012-08-29 to 2012-10-02
Rhonegletscher, RA08, VS	RA08	Switzerland	46.5883N	8.3845E	2366	From 2012-08-30 to 2012-10-02
Rhonegletscher, RA09, VS	RA09	Switzerland	46.5844N	8.3848E	2285	From 2012-08-08 to 2012-10-02
Rhonegletscher, RA10, VS	RA10	Switzerland	46.5838N	8.3889E	2293	From 2012-08-30 to 2012-10-02
Rhonegletscher, RA11, VS	RA11	Switzerland	46.5850N	8.3906E	2307	From 2012-05-04 to 2013-07-25
Rhonegletscher, RA12, VS	RA12	Switzerland	46.5878N	8.3870E	2349	From 2012-05-04 to 2013-07-25
Rhonegletscher, RA13, VS	RA13	Switzerland	46.5836N	8.3865E	2280	From 2012-05-04 to 2013-07-25
Rhonegletscher, RA14, VS	RA14	Switzerland	46.5863N	8.3833E	2336	From 2012-08-29 to 2012-10-02
Rhonegletscher, west of Gross Furkahorn, VS	RA41	Switzerland	46.5920N	8.3886E	2384	From 2017-08-31
Rhoscolyn	YRC	Wales,United Kingdom	53.2506N	4.5741W	24	From 1984-01-01
RHT01	RHT01	Saudi Arabia	24.2734N	39.8051E	987	
RHT02	RHT02	Saudi Arabia	24.4842N	40.0862E	785	
RHT03	RHT03	Saudi Arabia	24.2471N	40.1718E	815	
RHT04	RHT04	Saudi Arabia	23.9930N	39.8780E	1130	
RHT05	RHT05	Saudi Arabia	23.9090N	39.1610E	544	
RHT06	RHT06	Saudi Arabia	24.3765N	39.1923E	787	
RHT07	RHT07	Saudi Arabia	24.6658N	39.0403E	799	
RHT08	RHT08	Saudi Arabia	24.7095N	39.5433E	781	
RHT09	RHT09	Saudi Arabia	24.7845N	39.9147E	1049	
RHT10	RHT10	Saudi Arabia	24.5800N	39.9030E	868	
RHT11	RHT11	Saudi Arabia	24.9160N	39.6910E	1071	
RHT13	RHT13	Saudi Arabia	24.2080N	39.3650E	939	
RHT14	RHT14	Saudi Arabia	24.3860N	39.7570E	820	
RHT15	RHT15	Saudi Arabia	24.1730N	39.8390E	1037	
RHT16	RHT16	Saudi Arabia	23.4706N	40.1735E	1136	
RHT17	RHT17	Saudi Arabia	23.6830N	39.8980E	1011	
RHT18	RHT18	Saudi Arabia	23.8630N	40.1750E	933	
RHT19	RHT19	Saudi Arabia	23.2400N	39.8110E	782	
RHT20	RHT20	Saudi Arabia	23.2150N	40.3730E	986	
RHWAS	RHWAS	Saudi Arabia	19.0708N	44.0707E	1327	
Riachuelo	RCBR	Rio Grande do Norte,Brazil	5.8275S	35.9014W	420	
Riallon	OG20	Provence-Cote d'Azur,France	44.6133N	6.3312E	1570	From 1989-01-17
Ribas do Rio Pardo (Brazil)	RPRD	Brazil	20.4808S	53.7008W	343	From 2016-06-30
Ribeira	RIBE	Azores	38.6222N	28.7290W	280	
Ribeira Ch	PRCH	Azores,Portugal	37.7280N	25.4800W	225	From 2003-01-01
Ribeira da Areia	RIA	Azores,Portugal	38.6597N	28.0394W	420	From 1981-07-01
Ribeira da Areia	RIA0	Azores,Portugal	38.6597N	28.0394W	420	From 1981-07-01
Ribeira Grande	PRIG	Azores	37.8145N	25.5277W	34	From 2016-04-11
Ribeirinha	PRIB2	Azores	38.5931N	28.6130W	113	From 2016-04-06
Ribeirinha	RIB	Azores,Portugal	37.7995N	25.4611W	526	
Ribeirinha	RIB2	Azores,Portugal	38.6715N	27.1731W	387	From 1983-10-01
Ribeirinha	PID	Azores,Portugal	38.4422N	28.1192W	450	
Riberalta	RTA	Bolivia	11.0067S	66.0783W	175	
Rib Lake	RL-	Wisconsin,U.S.A.	45.3081N	90.0986W	472	From 1963-04-10 to 1963-05-13
Rib Lake	RL-WS	Wisconsin,U.S.A.	45.3081N	90.0986W	472	From 1963-04-10 to 1963-05-13

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Rib Lake	G40A	Wisconsin,U.S.A.	45.2684N	90.2006W	472	From 2011-08-19 to 2013-11-27
Ribolla Roccastrada	RIBO	Italy	42.9490N	11.0465E	-140	From 2017-05-26
RICCIA	RIC12	Italia	41.4864N	14.8362E	700	From 2017-05-15
Rice	B09A	Washington,U.S.A.	48.4226N	118.1488W	630	From 2006-09-01 to 2008-06-13
Rice Lake	RLW	Wisconsin,U.S.A.	45.6597N	91.5594W		
Riceville	RCT	Tennessee,U.S.A.	35.3453N	84.6614W	265	
Richard	RICC	Czech Republic	50.5439N	14.0978E	230	From 2016-05-03
Richard P. Wilkes	ARWM	California,U.S.A.	38.9563N	121.1620W	320	From 1976-01-29
Richfield	PEUT	Utah,U.S.A.	38.7759N	112.0886W	1644	From 2008-05-28
Richland	RCW	Washington,U.S.A.	46.3472N	119.2740W	390	
Richland Balsam	RBNC	North Carolina,U.S.A.	35.3570N	82.9860W	1829	From 1982-05-26
Richland Creek Farm, El Dorado	Z41A	Arkansas,U.S.A.	33.2577N	92.8030W	62	From 2011-03-10
Richland Springs	333A	Texas,U.S.A.	31.3249N	98.9841W	443	From 2009-11-13 to 2011-10-02
Richmond	RIC	Florida,U.S.A.	25.6167N	80.4167W		
Richmond	S50A	Kentucky,U.S.A.	37.6790N	84.4003W	300	From 2012-06-05
Richmond	LRN	England,United Kingdom	54.4167N	1.7858W	300	From 1991-01-01
Richmond Field	RFSB	California,U.S.A.	37.9161N	122.3361W	-118	
Richmond Hill, Kingstown	SVOC	St Vincent	13.1534N	61.2212W	30	From 2014-10-18
Richmond-San Rafael Bridge	RSRB	California,U.S.A.	37.9357N	122.4465W	-157	
Rich Mountain	RICH	North Carolina,U.S.A.	35.9195N	82.8187W	968	From 1983-06-19 to 2008-02-13
Richton	RI-MS	Mississippi,U.S.A.	31.1978N	88.8508W	37	
Richville	H57A	New York,U.S.A.	44.4624N	75.3905W	132	From 2013-08-25
Ricice	RICI	Croatia	43.4944N	17.1330E	431	From 2009-04-21
Rickey Ranch	ARRM	California,U.S.A.	38.7653N	121.1720W	127	From 1976-12-02
Ridgeland	G38A	Wisconsin,U.S.A.	45.1693N	91.8549W	370	From 2011-08-14 to 2013-06-06
Ridgley Place, Grand Junction	Q20A	Colorado,U.S.A.	38.9541N	108.2956W	1716	From 2007-11-30 to 2010-02-07
Ridgway	M55A	Pennsylvania,U.S.A.	41.4686N	78.7649W	531	From 2013-01-26
Ridgway	RW6	Colorado,U.S.A.	38.2023N	107.9340W	3063	From 1983-01-01
Ridgway	RW4	Colorado,U.S.A.	38.1568N	107.6160W	2739	From 1983-01-01
Ridgway	RW3	Colorado,U.S.A.	38.2502N	107.6870W	2603	From 1983-01-01
Ridgway	RW2	Colorado,U.S.A.	38.3080N	107.7270W	2405	From 1983-01-01
Ridgway	RW1	Colorado,U.S.A.	38.2587N	107.7890W	2443	From 1983-01-01
Ridgway	RW5	Colorado,U.S.A.	38.0800N	107.8320W	2991	From 1983-01-01
Ridotti (Balsorano, AQ)	T0205	Italy	41.7954N	13.6045E	690	From 2009-10-08 to 2010-01-14
Riehen 2 (BS)	RIEH2	Switzerland	47.5936N	7.6581E	-642	From 2006-10-01 to 2007-07-12
Riehen-Baumlih	SRHB	Switzerland	47.5713N	7.6244E	260	From 1996-12-13
Riehen, Erlenstrsschen, BS	SRHE	Switzerland	47.5856N	7.6494E	281	From 2013-11-01
Riehen, Zur Hoffnung, BS	SRHH	Switzerland	47.5798N	7.6538E	323	From 2013-11-01
Riekki	KU6	Finland	66.0255N	29.8907E	275	From 2006-10-06
Riesel	336A	Texas,U.S.A.	31.3870N	96.8443W	140	From 2010-02-17 to 2011-12-18
Rieti Museo	RIEM	Italy	42.4011N	12.8597E	446	From 2019-12-10
Rieti Provincia	RIEP	Italy	42.3983N	12.8620E	460	From 2019-12-11
Rifaina	RIFB	Sao Paulo,Brazil	20.0737S	47.5019W	860	From 1993-01-01
Rifle, N10	NCR10	Colorado	39.4818N	107.8794W	1648	
Rifugio Sapienza	ERSA	Sicily,Italy	37.6987N	14.9943E	1880	From 1994-10-01
Rigaud	RIGQ	Quebec	45.4469N	74.2581W	149	From 2019-02-02
Right Bank House--Pihur	RBH	Pakistan	34.0705N	72.6705E	364	
Rignano Garganico (FG) Italy	OT06	Italy	41.6855N	15.5944E	584	From 2013-04-15
Rignano Grg	RGNG	Italy	41.6742N	15.5864E	587	
Rihia Road	RITZ	North Island,New Zealand	38.9771S	175.8585E	525	From 2003-04-04
Riito	RII	Baja California,Mexico	32.1640N	114.9603W	15	From 1977-02-01
Riito, ESR	ESRMX	Sonora	32.1790N	114.9270W	10	
Riito Sonora	RITX	Sonora	32.1659N	114.9610W	18	From 2015-06-17
Rijeka	RIY	Croatia	45.3250N	14.4830E	190	From 1989-05-04
Rikitea	RKT	Gambier Islands,France	23.1197S	134.9733W	50	
Rilland Hill	SRH	St Vincent,Saint Vincent and the Grenadines	13.1860N	61.2540W	274	
Rim	RIM	Hawaii,U.S.A.	19.3953N	155.2740W	1128	From 1973-05-01
Rimouski	RIMQ	Quebec,Canada	48.4400N	68.4800W	129	From 1984-08-22
Rimrock	RMR	California,U.S.A.	34.2128N	116.5750W	1702	
Rimuhau	RIGZ	North Island,New Zealand	38.7058S	177.7622E	563	From 2009-01-01
Rinconada Maipu	RCDM	Santiago,Chile	33.4892S	70.8064W	487	
Rincon del Tigre	BBRT	Bolivia	18.2006S	58.2111W	280	From 2018-11-04 to 2099-12-12
Rincon, Osa	RIOS	Costa Rica	8.7005N	83.5144W	81	From 2008-01-01
Rincon, Puerto Rico	ROPR	Puerto Rico	18.3400N	67.2500W	11	From 2015-01-01
Rio	RIOA	Greece	38.2959N	21.7912E	46	
Riobamba	ARIO	Ecuador	1.6549S	78.6976W	2890	From 2011-06-14
Riobamba	RIOE1	Ecuador	1.7482S	78.6274W	2733	From 2006-01-20
Riobamba	RIOE	Ecuador	1.7525S	78.6308W	2733	From 2007-01-01
Rioblanco	SOTA	Colombia	2.1350N	76.6080W	3795	
Rio Blanco	RBC	Colorado,U.S.A.	39.8425N	108.3920W	1996	From 1973-01-01 to 1973-12-31
Rio Blanco, N07	NCR07	Colorado	39.6714N	107.9030W	2052	
Rio Branco	RIOB	Acre,Brazil	10.1501S	67.7470W	220	
RIO BUCHE	BUCE	Ecuador	0.6366N	79.8800W	45	From 2016-04-20
Rio Carpintero	RCC	Cuba	19.9942N	75.6958W	100	From 1965-07-25
Rio Claro- Sao Paulo-Brazil	RCLB	Sao Paulo,Brazil	22.4191S	47.5310W	658	From 2002-08-31
Rio de Janeiro	RDJ	Rio de Janeiro,Brazil	22.8950S	43.2233W	29	
Rio de Jesus, Veraguas	RSUS3	Panama	7.9830N	81.1600W	95	From 2010-01-01
Rio Formoso - PE	NBRF	Pernambuco,Brazil	8.6795S	35.1272W	56	From 2011-08-02 to 2017-12-05
Rio Frio	RFVM	Mexico D.F.,Mexico	19.3332N	98.7617W	3105	
Rio Frio, Sarapiqui, Heredia	RIFO	Costa Rica	10.3172N	83.9228W	139	From 2010-04-15
Rio Grande	RIOV	Venezuela	8.0690N	61.8140W	279	From 2002-11-06
Rio Grant	RIO	New Mexico,U.S.A.	35.7547N	106.1760W	2073	From 1975-02-21 to 1976-09-17
Rio Hardy	RHM	Sonora,Mexico	32.1422N	115.2860W	10	From 1969-02-16
Rio Hardy	RHX	Baja California	32.1350N	115.2840W	18	From 2014-06-12
Riolos of Patras	RLS	Greece	38.0578N	21.4667E	100	From 1976-07-15
Rio Macho	RMCR	Costa Rica	9.7845N	83.8572W	1420	
Rio Macho	RIMA	Costa Rica	9.7666N	83.8636W	1665	From 2012-01-01
Rio Naranjo	MOTZ	Costa Rica,Costa Rica	10.6857N	85.0723W	498	
Rionero Sannitico	RNI2	Italy	41.7025N	14.1525E	970	
Rio Patras	PAT5	Greece	38.2960N	21.7350E	40	From 2011-09-01
Rio Piedras	ERIP	Spain	37.3729N	7.2551W	82	From 1995-11-22
Rio Saliceto (MN)	T0826	Italy	44.8394N	10.8113E	12	From 2012-05-29 to 2012-08-09
Rio Tinto	TINT	Spain	37.7667N	6.6333W		
Riou	RIU	Alaska,U.S.A.	59.8783N	141.2280W	15	
Rio Verde	RPIG	Mexico D.F.	21.8849N	99.9828W	1008	From 2014-05-14
Rio Verde	RVRD	Ecuador	1.0676N	79.3851W	47	From 2008-11-28
Rio Verde (Brazil)	RVDE	Brazil	19.0286S	54.9389W	470	From 2016-06-26
Rio Verde do Mato Grosso - MS	RVMB	Mato Grosso,Brazil	19.1912S	54.8532W	506	From 2011-09-24
Rio Vista Mine	RVM	California,U.S.A.	34.1803N	114.2000W	243	From 1977-05-01
Ripoll, Girona	EXRIP	Spain	42.2000N	2.1886E	687	From 2019-11-20
Risco	RSCM	Missouri,U.S.A.	36.5679N	89.7731W	82	
Rishiri	JRR	Soya,Japan	45.1378N	141.3112E	27	
Rising Star	233A	Texas,U.S.A.	32.0179N	98.8998W	539	From 2009-11-18 to 2011-10-01
Rita Blanca	RTBA	Texas,U.S.A.	36.4380N	102.7374W	1284	From 2017-08-10
Rita Coyotepec	IIC	Mexico D.F.,Mexico	19.7670N	99.2580W	2725	
Rita Site, White Sands Missle Range	Z23A	New Mexico,U.S.A.	33.2621N	106.2319W	1278	From 2008-05-14 to 2010-01-19
Rivas	BUS1	Costa Rica,Costa Rica	9.5540N	83.7472W	3506	
Riverhead Borehole	RVAZ	North Island,New Zealand	36.7700S	174.5792E	-191	From 2008-04-01
Riveris	RIVT	Rheinland-Pfalz,Germany	49.7071N	6.7638E	274	
River Road, Clintonville	WI04	Wisconsin,U.S.A.	44.6331N	88.7867W	247	
Riverside	RVUT	Utah,U.S.A.	41.8383N	112.2590W	1951	From 1979-09-01 to 1980-10-31
Riverside	RVR	California,U.S.A.	33.9933N	117.3750W	260	From 1926-10-19
Riverside Borehole	RSBC	California,U.S.A.	33.9731N	117.3272W	297	
Riverside Mountains	RVS	California,U.S.A.	34.0347N	114.5180W	677	From 1974-04-01
Riverside, N20	NCR20	Colorado	38.9177N	106.1876W	2570	
Riverview	RIV	New South Wales,Australia	33.8294S	151.1580E	25	From 1909-01-01
Rives	MOGT	Tennessee	36.3213N	89.0208W	87	From 1989-10-25 to 1989-12-19
Rives	RFHT	Tennessee	36.2930N	89.0448W	87	From 1989-10-18 to 1990-03-02
Rives	RNEM	Tennessee	36.3605N	89.0411W	85	From 1989-12-16 to 1990-03-20
Rives	LCBT	Tennessee	36.3110N	89.0640W	85	From 1989-10-25 to 1989-12-16
Rives	HATM	Tennessee	36.2792N	89.0733W	81	From 1991-10-10
Rives	HNHM	Tennessee	36.3413N	89.0715W	84	From 1989-12-13 to 1990-06-27
Riviere de l'Est	RER	Reunion,France	21.1590S	55.7460E	834	From 1986-02-10
Riviere-du-Loop	RDLQ	Quebec,Canada	47.8400N	69.5400W	55	From 1980-08-19
Riviere Ouelle	A16	Quebec,Canada	47.4706N	70.0064W	15	From 1977-08-30
Riviere-Ouelle	ROUQ	Quebec,Canada	47.4800N	70.0000W	26	From 1984-08-28
Rivodutri	URVD	Italy	42.4953N	12.8470E	379	From 2010-09-10
Riyadh	RYDS	Saudi Arabia	24.1900N	46.6400E	594	From 2001-06-25
Riyadh	RYD	Saudi Arabia	24.7200N	46.6100E	649	From 1986-01-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Riza	RIZA	Greece	38.3593N	21.7043E	-212	From 2013-06-20
Rize	IZDR	Turkey	40.7858N	40.5616E	793	From 2017-03-10
Rjupnafell	IRJU	Iceland	63.6174N	18.6721W	173	From 2010-12-16
RKJ Ranch, Bemidji	C34A	Minnesota,U.S.A.	47.6501N	94.9106W	441	From 2010-10-20 to 2012-07-29
Roach Canyon	PRCM	California,U.S.A.	36.2562N	120.6200W	623	
Road Camp	RODE	Ethiopia	12.8415N	40.9826E	47	
Roan Cliffs	ROA	Utah,U.S.A.	39.6615N	110.3647W	2962	
Roa, TCK	TCKMX	Baja California	32.4800N	115.4250W	8	
Robe	ROBE	South Australia,Australia	37.1471S	139.8742E	10	From 2012-12-11
Robert and Kassanda Mosher, Grygla	B33A	Minnesota,U.S.A.	48.2722N	95.5880W	362	From 2010-10-22 to 2012-06-09
Robert W. Jensen	ARJM	California,U.S.A.	38.6865N	120.9560W	460	From 1976-12-02
Robesonia	O59A	Pennsylvania,U.S.A.	40.3114N	76.1859W	334	From 2013-04-28
Robets Cordova Ranch, Walsenberg	S25A	Colorado,U.S.A.	37.6606N	104.4349W	1821	From 2008-06-12 to 2010-04-18
Robic@19	ROBS	Slovenia	46.2445N	13.5094E	265	
ROBINSON CRUSOE ISLAND INFRASONIC ARRAY REFERENCE POINT	I14CL	Juan Fernandez Islands,Chile	33.6538S	78.7960W	388	From 2004-04-24
Robinson Place, Fruitland	O17A	Utah,U.S.A.	40.1948N	110.7378W	2079	From 2007-08-15 to 2009-04-10
Robinsons Bay	BNK1	South Island	43.7441S	172.9912E	536	
Robledal	RBDL	El Salvador	14.1130N	89.6865W	1431	
Robore, Bolivia	BBRB	Bolivia	18.2780S	59.8087W	376	From 2016-08-30
Robourent	ROB	Italy	44.2958N	7.8863E	810	From 1967-01-01
Rob Roy	ROYM	Victoria,Australia	37.6399S	145.2885E	180	
Roby	131A	Texas,U.S.A.	32.6737N	100.3888W	622	From 2009-03-14 to 2011-02-09
ROCAFUERTE 2	ROCA	Ecuador	0.9271S	80.4469W	38	From 2016-05-16
ROCAFUERTE, CENTRO DE SALUD	AROC	Ecuador	0.9310S	80.4490W	38	From 2016-04-19
Rocca di Cave	RCAV	Italia	41.8473N	12.9453E	940	From 2014-12-11
Rocca di Mezzo	RM04	Italy	42.1885N	13.4515E	1109	From 2009-04-06 to 2009-04-22
Rocca di Papa	RDP	Italy	41.7583N	12.7167E	760	From 1983-01-01
Roccafluvione, Frazione Osoli (AP)	T1241	Italy	42.8563N	13.4312E	663	From 2016-08-24 to 2017-07-06
Roccamonfina	RFI	Italy	41.3006N	13.9847E	780	From 1988-05-01
Rocca Remolon	RRL	Italy	44.9208N	6.7908E	2130	From 1985-01-01
Roccaromana	RMI2	Italy	41.2528N	14.2636E	702	
Rocca Rossa	RORO	Italy	44.1122N	8.0662E	260	From 1998-07-01
Rocca San Felice	RSF3	Italy	40.9643N	15.1760E	865	
Rocca Santa Maria, Frazione Ceppo (TE)	T1243	Italy	42.6966N	13.4484E	1119	From 2016-08-24 to 2017-02-19
Roccetta Nervino	RONM	Italy	43.8763N	7.5982E	300	From 2001-01-01
Rocchetta	MZ24	Italy	42.6552N	13.2885E	912	From 2016-10-10 to 2016-11-22
Rocchetta Sant'Antonio	RSA3	Italy	41.0877N	15.4425E	531	
Rocchetta Tanaro	ROTM	Italy	44.8493N	8.3527E	221	From 2001-01-01
Rocchetta Volt	RVI2	Italy	41.6219N	14.0214E	990	
Rochefort	RCHB	Belgium	50.1560N	5.2280E	161	From 2000-01-01
Rochester	ROC	New York,U.S.A.	43.1245N	77.5923W	155	From 1959-02-13
Rochester High School	RRHS	Washington,U.S.A.	46.7996N	123.0404W	47	
Rochester Mine, Lovelock	O08A	Nevada,U.S.A.	40.2903N	118.1550W	2137	From 2006-02-23 to 2008-03-06
Rochester (NY)	RMO	New York,U.S.A.	43.1317N	77.5386W	141	From 1968-03-22 to 1971-09-30
Rochford	I25A	South Dakota,U.S.A.	44.0196N	103.7324W	1856	From 2009-06-08 to 2011-05-28
Rock Avalanche	RKAV	Alaska,U.S.A.	60.2998N	141.3458W	1647	
Rock City	RCG	Georgia,U.S.A.	34.9750N	85.3480W	468	From 1981-10-23 to 2008-02-13
Rock Creek Canyon	RCCR	California,U.S.A.	37.4869N	118.7228W	2817	
Rock Creek Ranch, Frenchglen	K07A	Oregon,U.S.A.	42.6912N	119.2469W	1407	From 2006-05-30 to 2008-04-07
Rock Creek Ranch, Golconda	N09A	Nevada,U.S.A.	40.8520N	117.5244W	1617	From 2006-04-20 to 2008-03-07
Rock Eagle	REG	Georgia,U.S.A.	33.4421N	83.3371W	178	From 1978-02-01
Rockefeller Mts	RMA	King Edward VII Land	78.1333S	155.4170W	390	From 1940-11-17 to 1940-12-28
Rockhampton 2 Soft	RK2S	Queensland,Australia	23.3102S	150.5216E	36	From 2009-01-01
Rockhampton Hard Rock	RK1H	Queensland,Australia	23.3876S	150.4939E	68	From 2009-01-01
Rocking H Ranch, Lancaster	A32A	Minnesota,U.S.A.	48.9172N	96.4935W	322	From 2010-10-23 to 2012-06-10
Rockin P Farm, Martin	U45A	Tennessee,U.S.A.	36.3481N	88.7635W	144	From 2011-08-08 to 2013-03-14
Rockland Lake	RLSP	New York,U.S.A.	41.1453N	73.9107W	61	
Rocklands	ROKL	Victoria,Australia	37.2333S	141.9568E	215	From 2008-12-03
Rocklands Reservoir	ROKM	Victoria,Australia	37.2420S	141.9550E	200	
Rockmart	Y51A	Georgia,U.S.A.	33.8993N	85.0640W	380	From 2012-04-07
Rockport	RPW	Washington,U.S.A.	48.4483N	121.5140W	850	
Rock site, Kinburn Side Road	KB1O	Ontario,Canada	45.3981N	76.1768W	108	From 2013-10-01
Rocksprings	532A	Texas,U.S.A.	30.1278N	99.9049W	703	From 2009-02-18 to 2011-01-18
Rocksprings	531A	Texas,U.S.A.	30.1645N	100.5464W	661	From 2009-02-15 to 2011-01-19
Rock Springs	M19A	Wyoming,U.S.A.	41.5047N	109.1569W	2080	From 2007-10-24 to 2009-10-14
Rocky Butte	RBO	Oregon,U.S.A.	45.5408N	122.5643W	158	
Rocky Gully	RKG	Western Australia,Australia	34.5698S	117.0100E	300	From 1983-07-01 to 2006-05-29
Rocky Gully	RKGY	Western Australia,Australia	34.6094S	116.9773E	220	From 1999-09-04
Rocky Hill	MRHM	California,U.S.A.	36.2863N	119.0871W	432	
Rocky Mountain Net	TVGG	Georgia,U.S.A.	34.3772N	85.3023W	323	
Rocky Mt	T56A	Virginia,U.S.A.	37.0288N	80.0311W	387	From 2013-03-16
Rodeo	RTRS	San Juan,Argentina	30.1700S	69.4603W		
Rodeo	AROD	San Juan,Argentina	30.1670S	69.4733W	2745	
Rodeo Gulch Road	JRGM	California,U.S.A.	37.0370N	121.9650W	213	From 1976-01-28
Rodgers	KRPM	California,U.S.A.	41.1582N	124.0230W	829	
Rodhopi	RDO	Greece	41.1462N	25.5375E	100	From 1988-01-01
Rodini	RODI	Greece	38.3229N	21.8961E	80	From 2010-07-03
Rodini, Patras, West Greece	ROD3	Greece	38.3081N	21.8920E	447	From 2011-05-11
Rodman Mountain	ROD	California,U.S.A.	34.6297N	116.6050W	1292	
Rodopos	RODP	Crete,Greece	35.5604N	23.7577E	309	From 2013-04-20
Rodos	RODB	Greece	36.4471N	28.2212E	26	
Rodrigues Island Caves	ROCAM	Mauritius,Mauritius	19.7555S	63.3698E	37	From 2012-12-15
Roellen	RELT	Missouri,U.S.A.	36.0332N	89.3022W	107	
Roes	PYRM	Germany	50.2373N	7.2874E	230	
Roetgen-Dahlheim	RODG	Nordrhein-Westfalen,Germany	51.1447N	6.1803E	70	From 2002-07-01
Roetschberg	BD07	Nordrhein-Westfalen,Germany	50.9433N	6.6740E	74	From 2001-01-01
Roger Stewart	RGRS	South Carolina,U.S.A.	32.9075N	80.1942W	-52	From 1986-06-01
Roghun	RAG	Tajikistan	38.7000N	69.7800E		
Rogliano	ROG2	Italy	39.1786N	16.3261E	650	From 2014-12-30 to 2019-03-21
Rognes	ROG	Provence-Cote d'Azur,France	43.6840N	5.3127E	310	
Rognes	RGS	Norway	63.0210N	10.4350E	120	From 1985-12-22 to 2003-04-05
Rohrbach	ROHR	Sachsen,Germany	50.2342N	12.3168E	629	From 2001-08-07
Rohrbach	A011A	Austria	47.3908N	16.0077E	507	From 2015-07-10 to 2016-06-29
Rohtak	RTK	Haryana,India	29.0333N	76.4143E	0	
Rohtak	ROH	Haryana,India	28.9000N	76.6000E	220	
ROIAK	ROIA	Bulgaria	43.0933N	27.3778E	355	From 2006-10-01
Roio Piano	T0106	Italy	42.3069N	13.3837E	1260	From 2009-04-08
ROKH	ROKH	Iran	32.3458N	51.0352E	2022	From 2011-01-01
Rokko	RKO	Hyogo,Japan	34.7639N	135.3018E	540	
Rokland skole	NBB29	Norway	66.9919N	15.3292E	35	From 2013-08-01 to 2016-06-01
Rokugo	JRG	Iwate,Japan	39.3963N	140.6338E	200	
Rolduc	RDC	Netherlands	50.8694N	6.0847E	145	
Rolla	ROL	Missouri,U.S.A.	37.9178N	91.8689W	200	From 1965-01-01
Rolleston	DARN3	South Island	43.6376S	172.3699E	40	
Rolleston, SAND	SANDN	South Island	43.5604S	172.2977E	103	
Rolling Bench Mark	BRMM	California,U.S.A.	36.8345N	120.8240W	372	From 1973-12-03
Roma	RMQ	Queensland,Australia	26.4857S	148.7582E	375	From 1984-08-11
Roma	RTQ	Queensland,Australia	26.5678S	148.8514E	350	
Roma	ROM9	Italy	41.8284N	12.5155E	110	From 2002-10-01
Roma DPC Vitorchiano	RMVT	Italy	41.9560N	12.4859E	76	From 2016-10-30
Roma Monte Mario	RMMM	Italy	41.9232N	12.4526E	157	From 2016-12-02
Roman Lake	ROMN	Northwest Territories,Canada	64.3157N	118.0182W	395	From 2007-08-12 to 2010-07-16
Roman Nose	RNO	Oregon,U.S.A.	43.9122N	123.7410W	875	From 1991-09-01
Romanshorn, Forsthaus, TG	ROMAN	Switzerland	47.5643N	9.3359E	348	From 2015-03-31
Rombauer	RMB	Missouri,U.S.A.	36.8860N	90.2780W	147	From 1974-06-27
Rome	K09A	Oregon,U.S.A.	42.6996N	117.7251W	1176	From 2006-08-05 to 2008-04-03
Rome	ROM	Italy	41.9033N	12.5133E	45	
Rome, Mte Porzio	RMP	Italy	41.8111N	12.7022E	380	
Rome (USA)	RMG	Georgia,U.S.A.	34.3679N	85.2816W	244	From 1979-05-01
Romny	RMNS	Amurskaya Oblast',Russia	50.8630N	129.3900E	190	
Romoos, Napf, BE	A060B	Switzerland	46.9930N	7.9776E	1049	From 2017-05-09
Romrod	GWBF	Hessen,Germany	50.7285N	9.1763E	368	From 2002-06-17
Romuvaara	RMF	Finland	64.2175N	29.9318E	220	From 2015-10-31
Ronca, Sant'Olcese (GE)	RNCA	Italy	44.4712N	8.9512E	235	From 2015-04-01
Ronchamp	RONF	Franche Comte	47.7107N	6.6472E	415	From 2013-04-11
Ronchi	N004	Italy	43.4684N	12.3373E	465	From 2011-02-08
Roncone	RNI	Italy	45.9802N	10.6228E	1913	From 1982-01-01 to 2013-10-09
Roncone	RONC	Italy	45.9802N	10.6228E	1913	From 2013-10-09
Rongbusi, Xizang Zizhiqu	RBSH	Xizang Zizhiqu,China	28.1955N	86.8280E	5100	From 2001-09-20 to 2002-05-21

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Ronquire	BRQR	Belgium	50.6062N	4.2246E	40	From 1989-09-05
Roodepoort, Johannesburg	DRD	South Africa	26.1720S	27.8621E	1729	From 2010-03-19
Rooidraai Farm, Aberdeen, Eastern Cape	ROOI	South Africa	32.4948S	23.5516E	900	From 2016-07-19
Roopena	RPA	South Australia,Australia	32.7250S	137.4030E		
Roosevelt	RPK	Washington,U.S.A.	45.7617N	120.2310W	549	From 1975-11-01
Roosevelt	O18A	Utah,U.S.A.	40.2655N	110.0082W	1582	From 2007-07-25 to 2009-04-10
Roosevelt	Y17A	Arizona,U.S.A.	33.6953N	110.8444W	866	From 2007-04-17 to 2009-01-22
Roosevelt Hot Springs	RHU	Utah,U.S.A.	38.4722N	112.8470W	1905	From 1978-02-01
Roosevelt Roads	RRD	Puerto Rico	18.2360N	65.6180W	40	From 1975-03-01 to 1999-08-25
Roosevelt Roads	RRP	Puerto Rico	18.2333N	65.6333W		
Roper	V61A	North Carolina,U.S.A.	35.7912N	76.5776W	4	From 2013-03-11
Roppe	ROF	Franche Comte,France	47.6806N	6.9008E	500	
Roquefort la Bedoule, 13085, Bouches-du-Rhone	A204A	France	43.2413N	5.6099E	512	From 2016-06-14
Roquetas del Mar	EROQ	Spain	40.8232N	0.4088E	284	From 1987-02-01
Roquillos	EXROQ	Canary Islands	27.7980N	17.9864W	104	
Rosais	RSCH	Azores	38.7547N	28.3101W	272	
Rosais	ROSA	Azores,Portugal	38.7195N	28.2415W	310	From 1989-07-01
Rosal de la Frontera, Huelva	E016	Spain	37.9670N	7.0568W	320	From 2007-09-26 to 2009-06-23
Rosalia, Austria	RONA	Austria	47.6997N	16.2963E	699	From 2016-03-15
Rosrio	ROSB	Maranhao,Brazil	2.8967S	44.1246W	60	From 2014-02-02
Rosario do Sul (Brazil)	RODS	Rio Grande do Sul	30.3481S	55.1976W	241	From 2016-05-05
Roseau, Dominica	DRTD	Dominica	15.2955N	61.3843W	31	From 2014-10-22
Rosebud	GOIL	Illinois,U.S.A.	37.2900N	88.5800W	165	
Rosebud	R41A	Missouri,U.S.A.	38.2976N	91.3795W	257	From 2011-07-26
Rosebud	F22A	Montana,U.S.A.	45.7794N	106.2569W	882	From 2008-11-13 to 2010-08-08
Rosebud Secondary College	AURSC	Victoria,Australia	38.3700S	144.8900E	23	From 2013-05-10
Rosebush, Pembrokeshire	RSBS	Wales,United Kingdom	51.9530N	4.7448W	278	From 2012-08-01
Rosedale	P46A	Indiana,U.S.A.	39.6178N	87.2067W	194	From 2011-10-22
Rosedale State School	RDSS	Queensland,Australia	24.6238S	151.9168E	117	From 2004-08-09
Rose Hills Cemetery, Whittier	RHC	California,U.S.A.	34.0009N	118.0131W	364	
Roselend	RSL	Rhone-Alpes,France	45.6883N	6.6256E	1583	
Rose Lookout	RLO	Oklahoma,U.S.A.	36.1652N	95.0229W	341	From 1977-05-01
Rosemanowes	CRQ	England,United Kingdom	50.1672N	5.1726W	165	From 1981-02-01
Rosemanowes 2	CRQ2	England,United Kingdom	50.1669N	5.1686W	152	From 1981-01-01
Rosenberg	A119A	Germany	49.0071N	10.0384E	562	From 2015-11-04
Rosenbuehl-Arzberg	MROB	Bayern,Germany	50.0832N	12.1786E	570	From 2001-10-09
Roseneath	ROS	North Island,New Zealand	41.2833S	174.8000E		
Rosenhof	ROSN	Cape Province,South Africa	34.1038S	24.5400E	110	
Rose Park Fire Station, Salt Lake City, UT	RPF	Utah,U.S.A.	40.7753N	111.9203W	1287	From 2007-10-03
Rose Pump	RSE	California,U.S.A.	32.9255N	115.4992W	-41	
Rose Valley	RVW	Washington,U.S.A.	46.1495N	122.7440W	460	From 1981-02-01
Rose Valley Central	RVCM	California,U.S.A.	36.0080N	117.8900W	1067	From 1975-09-26
Rose V. Central	WRVM	California,U.S.A.	36.0080N	117.8900W	1067	From 1975-09-26
Rosharon	638A	Texas,U.S.A.	29.4193N	95.4481W	8	From 2011-02-17 to 2011-11-06
Roshora	RSRA	India	21.3110N	82.7990E	284	From 2018-02-15
ROSL	ROSL	Bolivia	19.4853S	64.1803W	2073	From 1994-05-30 to 1995-08-08
Ross	ROSS	Washington,U.S.A.	45.6619N	122.6569W	61	
Rossano	ROI	Italy	39.5718N	16.5692E	605	From 1979-06-01
Ross Creek	RCJ	Utah,U.S.A.	40.6585N	111.4393W	2090	From 1992-10-30
Rosskopf	ROSI	Italy	46.9281N	11.4118E	1917	From 2006-12-13
Rosslynne Res.	LYNN	Victoria,Australia	37.4755S	144.5741E	447	
Rostrenen	ROSF	Bretagne,France	48.3364N	3.2736W	260	From 1996-04-03
Roswell	Z25A	New Mexico,U.S.A.	33.2797N	104.7171W	1233	From 2008-04-16 to 2010-03-08
Rota	RTN	Nicaragua	12.5333N	86.7832W	240	From 1975-01-01
Rotal Creek Pleasanton	C069	California,U.S.A.	37.6478N	121.8961W	83	From 2013-04-18
Roteberg	ROTU	Sweden	61.4208N	15.8145E	100	From 2000-06-29
Rothenfluh	ROTHE	Switzerland	47.4761N	7.9209E	711	From 2012-12-10
Roth Farm, Molt	F19A	Montana,U.S.A.	45.8538N	108.9437W	1243	From 2008-08-07 to 2010-06-07
Rothwald	A018A	Austria	47.7437N	15.0776E	748	From 2015-06-25
Rotoiti	RTY	South Island,New Zealand	41.8058S	172.8432E	635	From 1984-07-25 to 2000-09-30
Rotonda - Contrada Piano Incoronata (PZ)	T0716	Italy	39.9487N	16.0224E	560	From 2012-03-22 to 2099-12-31
Rotonda (PZ)	T0711	Italy	39.9357N	16.0618E	751	From 2011-11-25
Rotorua	ROT	North Island,New Zealand	38.1332S	176.2552E	300	From 1936-11-01 to 1942-12-31
Rottenburg	A357A	Germany	48.6998N	11.9992E	426	From 2015-10-23 to 2016-06-03
Rottenburg, Weiler	A100A	Germany	48.4530N	8.9261E	508	From 2015-11-16
Rotten Point	ROKY	Kentucky,U.S.A.	37.9090N	83.9260W	433	
Rotterdam (NY)	ROTD	New York,U.S.A.	42.7508N	74.0872W	283	
Rottweil	ROTE	Baden-Wurttemberg	48.1532N	8.6709E	696	From 2016-09-01
Rottweil, Deisslingen	A101A	Germany	48.1182N	8.5502E	741	From 2015-11-13 to 2016-11-07
Rottweil, Deisslingen 2	A101B	Germany	48.1182N	8.5502E	741	From 2016-07-02
Rotzenmuhle	ROTZ	Bayern,Germany	49.7669N	12.2070E	430	
Rough Rock, Chinle	U18A	Arizona,U.S.A.	36.4199N	109.8696W	1878	From 2007-05-19 to 2009-02-11
Rougiers	ROU	Provence-Cote d'Azur,France	43.4014N	5.8457E	500	
Roundabout Mountain	H19K	Alaska,U.S.A.	65.5276N	156.4494W	107	From 2017-06-13
Round Butte Dam	VRBM	Oregon,U.S.A.	44.6008N	121.2700W	743	
Round Hill, Nevis	NVRH	Nevis,Saint Kitts and Nevis	17.1835N	62.6001W	305	From 2002-05-06
Round Hill Res.	CRHM	California,U.S.A.	37.8588N	121.9926W	259	
Round Mountain	GROM	California,U.S.A.	39.9168N	122.6712W	1261	
Round Mountain	RMI	Idaho,U.S.A.	42.0788N	113.3462W	1516	
Round Mountain	RDM	California,U.S.A.	34.4000N	117.1850W	1426	From 1976-12-01
Round Mountain	GRMM	California,U.S.A.	39.0205N	122.5843W	469	
Round Mountain	RMT	California,U.S.A.	39.9172N	122.6690W		
Round Top Mountain	GRTM	California,U.S.A.	38.9387N	122.6700W	619	
Round Valley Indian Tribe	RVIT	California	39.9062N	123.3784W	788	From 2018-09-01
Roure	OG33	Rhone-Alpes,France	44.0918N	7.0872E	1195	From 2000-08-09
Route 59 and County Road 4763, Timpson	ETX06	Texas,U.S.A.	31.8675N	94.4525W	117	
Route FM415 near Route 87	ETX04	Texas,U.S.A.	31.8668N	94.3810W	113	
Rovaniemi	RNF	Finland	66.6090N	26.0135E	171	From 2007-09-01
Rovere (Rocca di Mezzo)	RM13	Italy	42.1816N	13.5810E	1282	From 2009-04-07 to 2009-09-02
Rovereto Di Novi	ROVE	Italy	44.8530N	10.9497E	21	
Rover Veronese	ROVR	Italy	45.6468N	11.0721E	1316	From 2008-10-08
Rowesville	ROW	South Carolina,U.S.A.	33.3650N	80.7944W	35	From 1977-10-23
Rowland	X58A	North Carolina,U.S.A.	34.5548N	79.3388W	45	From 2013-02-08
Rowsley	ROWM	Victoria,Australia	37.8058S	144.2915E	380	
Roxas	RCP	Panay,Philippines	11.5600N	122.7450E	140	
Roxburgh	ROX	South Island,New Zealand	45.4742S	169.3204E	106	From 1957-05-12 to 1985-04-30
Roxby Downs High School	AUROX	South Australia,Australia	30.5600S	136.9000E	106	From 2013-08-11
Royal City	RC1	Washington,U.S.A.	46.9433N	119.4330W	500	From 1988-05-27
Royalston	K62A	Massachusetts,U.S.A.	42.6651N	72.2345W	289	From 2013-09-09
Royce, Wessington Springs	I31A	South Dakota,U.S.A.	44.0297N	98.5352W	469	From 2010-07-25 to 2012-06-08
Rozhen	RZN	Bulgaria	41.6941N	24.7388E	1735	
Rozkopintsy	NDNU3	Ukraine	48.4930N	27.4290E	113	
RQBS	RQBS	Saudi Arabia	27.3401N	45.9610E	424	
RSE	CRSE	Costa Rica	9.5773N	84.2172W	158	From 2002-10-01 to 2003-03-15
Ruatahuna	RTZ	North Island,New Zealand	38.6154S	176.9805E	867	From 2011-05-05
Ruataniwha	RTP	South Island,New Zealand	44.2828S	170.0864E	500	From 1976-09-06 to 1976-11-24
Rubha Reidh	RRR	Scotland,United Kingdom	57.8577N	5.8067W	61	From 1995-09-10
Rubicon Trail	RUBR	California,U.S.A.	39.0517N	120.1549W	2045	
Ruby Glebe Property	RGP	California,U.S.A.	38.8783N	122.8113W	799	
Rude Farm, Bottineau	A28A	North Dakota,U.S.A.	48.9096N	100.2669W	692	From 2009-08-11 to 2011-07-16
Rudendorf	A351B	Germany	50.0019N	10.7612E	339	From 2015-06-03
Rudnianska	A332A	Slovakia	48.8045N	18.4645E	359	From 2015-09-08
Rudo	RUDO	Bosnia and Herzegovina	43.6180N	19.3700E	413	From 2013-06-21
Rudovci	RUDS	Serbia	44.3878N	20.4003E	0	
Ruedersdorf	RUE	Germany	52.4800N	13.7800E		
Ruffiac, Nouvelle Aquitaine, France	RUFF	Aquitaine	44.3820N	0.0210E	147	From 2018-06-01
Rufina	RUFI	Italy	43.8400N	11.5100E	249	From 2012-01-13
Rugen	RGN	Mecklenburg-Vorpommern,Germany	54.5477N	13.3214E	15	
Ruggs Ranch, Heppner	G07A	Oregon,U.S.A.	45.2664N	119.6692W	801	From 2006-08-17 to 2008-05-09
Ruhr-University Bochum -- Hof Stiepel	BHOF	Nordrhein-Westfalen,Germany	51.4289N	7.2614E	132	From 2011-02-07
Ruhr-University Bochum--Klosterbusch Mine	BKLB	Nordrhein-Westfalen,Germany	51.4401N	7.2697E	85	
Ruhr-University Bochum - Language Institute	BULI	Nordrhein-Westfalen,Germany	51.4544N	7.2602E	145	From 2011-06-09
Ruhr-University Bochum--Staatshockbauamt	BSHA	Nordrhein-Westfalen,Germany	51.4469N	7.2445E	148	
Ruhr-University Bochum--Technical Center	BTEZ	Nordrhein-Westfalen,Germany	51.4490N	7.2790E	112	
Ruisui	HGSD	Taiwan region	23.4921N	121.4239E	94	From 2004-04-27
Rujevac	A251A	Croatia	45.1286N	16.2664E	252	From 2015-11-30
Rumah	RMAH	Saudi Arabia	25.3450N	46.8840E	657	
Rumangabo	RUM	Democratic Republic of the Congo	1.3400S	29.3600E	1590	From 1955-01-01 to 1969-12-31
Rumangabo	RGB	Democratic Republic of the Congo	1.3452S	29.3654E	1610	From 2014-02-13

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Rumipamba	RUMP	Ecuador	0.1753S	78.5313W	3377	From 2010-08-19
Rumipamba	QUR	Ecuador	0.1717S	78.5288W	3720	From 1988-07-19
Rumjataar	RUMN	Nepal	27.3038N	86.5482E	1319	From 2001-10-10 to 2002-11-28
Rumoi	RMJ	Rumoi,Japan	43.9433N	141.6367E	22	
Rumorosa	FRM1	Baja California	32.5561N	116.0370W	1220	
Rumorosa	ERMX	Baja California	32.5534N	116.0287W	1290	
Rundenannen	RUND	Norway	60.4135N	5.3672E	525	From 1997-09-01
RUNDU	RUDU	Namibia	17.9090S	19.7210E	1071	From 2006-04-05
Runtun	RUN2	Ecuador	1.4218S	78.4132W	2430	From 1994-12-02
Runtun	RUN5	Ecuador,Ecuador	1.4152S	78.4242W	2630	From 2005-05-01
Runtun 3	RUN3	Ecuador	1.4467S	78.4270W	3290	
Ruokolahti	RUF	Finland	61.4247N	28.9497E	125	From 2015-08-08
Ruokolahti	RUFX	Finland	61.4298N	28.9531E	138	From 2015-08-11
Ruppelstein	RUP	Rheinland-Pfalz,Germany	49.7017N	7.0593E	750	From 1976-01-01 to 2016-12-31
Rupperstecken	A112A	Germany	49.6499N	7.9086E	434	From 2015-10-30
Rusayo	RSY	Democratic Republic of the Congo	1.5770S	29.1798E	1679	
Ruse	RUSAM	Bulgaria	43.8462N	25.9612E	203	From 2012-11-20
Rusevo Krmpotsko	A250A	Croatia	45.0840N	14.9106E	686	From 2015-11-29
Rushworth	RUSM	Victoria,Australia	36.6642S	144.9472E	127	
RUSIZI	RUSZ	Rwanda	2.4832S	28.9050E	1616	From 2019-06-07
Russellman Park	CRPM	California,U.S.A.	37.9125N	121.9060W	331	From 1970-09-18 to 2008-10-01
Russellman Park	CRPB	California,U.S.A.	37.9123N	121.9072W	307	
Russell Place, West Yellowstone	H16A	Montana,U.S.A.	44.7038N	111.2478W	2080	From 2007-08-25 to 2009-09-07
Russell Ranch	RUSS	California	38.5448N	121.8675W	29	From 2018-09-01
Russell Springs	RS-	Kentucky,U.S.A.	37.1986N	84.8683W	274	From 1965-12-03 to 1965-12-13
Russell Springs	RS-KY	Kentucky,U.S.A.	37.1986N	84.8683W	274	From 1965-12-03 to 1965-12-13
Russelville	X47A	Arkansas,U.S.A.	34.5178N	87.8571W	212	From 2011-12-10
Russkaya	RUS	Kamchatskaya Oblast',Russia	52.4331N	158.5131E	75	
Rust De Winter,Limpopo Province	RUST	South Africa	25.2392S	28.5240E	0	From 2017-05-11
Rustrel	RUSF	Provence-Cote d'Azur,France	43.9410N	5.4840E	550	From 2000-08-02
Rutbah	RTB	Iraq	33.0295N	40.3077E	612	
Ruteng	RUTI	Flores,Indonesia	8.6120S	120.4650E	0	From 2005-01-01
Ruth	RUT	Nevada,U.S.A.	39.2333N	114.9830W	2270	From 1960-01-01 to 1964-04-30
Rutherford	HHCT	Tennessee	36.1097N	89.0453W	141	From 1989-10-25
Rutherford Drive Danville	C047	California,U.S.A.	37.8291N	122.0203W	116	From 2010-08-23
Ruthven	RUN	California,U.S.A.	32.9722N	114.9770W	151	From 1973-04-16
Ruvo Del Monte	RDM3	Italy	40.8755N	15.5361E	784	
Ruwais	GHWR	United Arab Emirates	23.9635N	52.8755E	50	
Ruweisid	RUWJ	Jordan	32.4750N	38.4019E	751	From 1989-10-02
R-V Farms, Vernon	Y32A	Texas,U.S.A.	34.0036N	99.4420W	412	From 2009-03-20 to 2011-02-12
Ryan	RYN	Nevada,U.S.A.	38.6282N	118.5230W	1585	From 1974-08-01
Rybach'ye	RYB	Kyrgyzstan	42.4500N	76.0833E		
Rybnik	RBN	Poland	50.0981N	18.5336E	250	From 1950-01-01 to 1969-12-31
Ryder	RY-	North Dakota,U.S.A.	48.0972N	101.4944W	640	From 1963-07-22 to 1966-06-03
Ryder	RY-ND	North Dakota,U.S.A.	48.0972N	101.4944W	640	From 1963-07-22 to 1966-06-03
Ryogami san	JRY	Saitama,Japan	36.0167N	138.9017E	480	
Rypely	RYL	Greenland	83.0007N	34.0724W	3	
S2 Ranch, Elgin	F09A	Oregon,U.S.A.	45.7087N	117.9094W	894	From 2006-08-09 to 2008-06-21
Saathoff Ranch, Hondo	633A	Texas,U.S.A.	29.4591N	99.1766W	320	From 2009-12-05 to 2011-10-13
Saatly	SAAT	Azerbaijan	39.8610N	48.4230E	13	From 2010-04-08
Saattut	SAATT	Greenland	70.8110N	51.6310W	0	From 2019-08-15
Saba	SABS	Netherlands Antilles	17.6206N	63.2430W	500	
Saba	SABA	Netherlands Antilles,Netherlands Antilles	17.6205N	63.2426W	261	From 2006-10-30
Saba	SABT	Netherlands Antilles	17.6205N	63.2430W	880	From 2000-01-22
Saba	SBN	Netherlands Antilles	17.6370N	63.2350W	870	From 1976-10-01
Saba, Juancho Airport	SABV	Netherlands Antilles	17.6400N	63.2200W	15	From 2013-12-01
Sabana de Torres	VMM06	Colombia	7.4574N	73.5968W	103	From 2015-10-04
Sabana Grande, F1	TUF1	Nicaragua	12.7247N	87.0964W	138	
Sabancuy	SCIG	Campeche,Mexico	18.9670N	91.1853W	40	From 2000-07-01
Sabanitas, Colon	SABA3	Panama	9.3500N	79.8010W	20	From 2010-01-01
Saba, The Bottom	SABQ	Netherlands Antilles	17.6300N	63.2500W	150	From 2013-12-01
Sabatlo	SBTG	Georgia,Georgia	41.3236N	46.6639E	256	From 2003-01-01
Sabaudia	SBDA	Italy	41.3023N	13.0299E	27	From 2019-12-27
Saba, Winward Side	SABW	Netherlands Antilles	17.6300N	63.2300W	150	From 2013-12-01
Sabc	SABC	Cuba	20.3800N	75.1900W		
Saberio	SAB	Georgia,Georgia	42.6600N	41.8500E	180	
Sable island	SABG	Nova Scotia,Canada	43.9312N	60.0084W	0	From 2005-10-13
Sabuk	KSGWL	Republic of Korea	37.2076N	128.8235E	1	From 2007-12-11
Sabzevar	SBZR	Iran	36.3055N	57.6832E	1278	From 2004-02-14
Sabzevar	SBZV	Iran	36.3883N	57.6106E	2024	From 2011-10-27
Sacbachol	SBL	Guatemala	14.8917N	91.2787W	3403	From 1980-01-01
Sachs Harbour	A36M	NorthWest Territories,Canada	71.9871N	125.2472W	32	From 2013-09-02
Sachs Harbour	SXT	Northwest Territories,Canada	71.9892N	125.2400W	77	From 1986-08-13
Sachs Harbour	SWT	Northwest Territories,Canada	71.9933N	125.2830W	80	From 1980-12-03 to 1986-07-14
Sacramento	SMKY	Kentucky,U.S.A.	37.4230N	87.2760W	158	From 1985-01-01
Sacramento, California	SACC	California,U.S.A.	38.7000N	121.5000W	40	From 2012-08-01
Sacranix	SXG	Guatemala	15.5058N	90.4197W	1904	From 1985-11-01 to 1999-08-25
Sacuragua	FISA	Venezuela	11.2648N	69.3333W	600	From 1986-12-01 to 1999-08-25
Sa da Bandeira	SDB	Angola	14.9258S	13.5719E	1781	From 1962-01-01 to 1975-12-31
Sad`ah	SADA	Yemen	16.9330N	43.7500E	1850	
Sadao Pong	PBKT	Thailand	16.5700N	100.9700E	8	From 2008-01-01
Saddle Back Butte	SBB	California,U.S.A.	34.6883N	117.8250W	832	From 1974-01-03
Saddleback Mountain	SBKC	California,U.S.A.	35.0788N	117.5810W	881	
Saddle Mountain	SDL	Washington,U.S.A.	46.7954N	119.4910W		
Saddle Peak	SADC	California,U.S.A.	34.0810N	118.6650W	732	From 1973-08-01
SADE1	SADE1	Saudi Arabia	20.5689N	40.0323E	142	
SADE2	SADE2	Saudi Arabia	20.6222N	39.9471E	128	
Sadie Cove	SDEM	Alaska,U.S.A.	59.4433N	151.2820W	770	From 1983-07-04 to 1984-06-29
Sado	JSD	Niigata,Japan	38.0370N	138.2603E	146	
Sadowa	SADO	Ontario,Canada	44.7694N	79.1417W	243	From 1993-12-03
Sadrabad	ISAD	Iran	31.9136N	53.6855E	2457	From 1998-10-01
Saentis	SAX	Switzerland	47.2507N	9.3449E	2500	From 1983-07-01 to 2001-08-28
Safi, DAM3	DAMI3	Israel	31.0820N	35.4460E	-390	From 1986-09-01 to 1988-04-01
Safran	SFRN	Turkey	40.6061N	29.2419E	108	From 2005-11-26
Safranbolu	SAFT	Turkey	41.2398N	32.6872E	406	
Saga	SAG	Saga,Japan	33.2450N	130.3050E	4	
Sagada Mountain Province	SAMP	Luzon	17.0800N	120.9020E	200	From 2015-05-14
Sagamiharawakayanagi	JSGW	Kanagawa,Japan	35.6019N	139.2085E	226	From 2013-07-01
Sagara	SGRN	Shizuoka,Japan	34.7122N	138.1889E	55	
Sagara	JSG	Shizuoka,Japan	34.6743N	138.1860E	107	
Saga, Xizang Zizhiqu	SAGA	Xizang Zizhiqu,China	29.3292N	85.2322E	4524	From 2001-09-16 to 2002-10-31
Sage Hen Hill	LSHM	California,U.S.A.	40.7933N	122.0396W	730	
Sagenschleif ILLGRABEN, VS	ILL12	Switzerland	46.2873N	7.6299E	913	From 2018-05-14
Saggi Highlands	SAGI	Israel	30.2040N	34.6770E	560	
Sagiada	SGD	Greece	39.6126N	20.2343E	145	From 2010-05-13
Sagoatoa	SAGO	Ecuador	1.1529S	78.6650W	4182	From 2012-09-27
S.Agostino (FE)	CAS07	Italy	44.7929N	11.3671E	10	From 2012-05-23
Saguache, Gunnison	R22A	Colorado,U.S.A.	38.2289N	106.7561W	2773	From 2007-12-19 to 2010-02-07
Saguache, S10	SCR10	Colorado	38.1312N	106.2550W	2439	
Sa'gya, Xizang Zizhiqu	SAJA	Xizang Zizhiqu,China	28.9093N	88.0208E	4351	From 2002-07-23 to 2002-11-07
Saha	SEHE	Ethiopia	12.0401N	40.9769E	358	
Saham	SHMJ	Jordan	32.7270N	35.7640E	363	From 1989-08-28
Sahara	SAHA	Rwanda	1.5574S	29.5436E	2217	From 2015-08-17
Sahibganj	SHBG	Bihar,India	25.2167N	87.6667E		
Saibi	SISI	Sumatera,Indonesia	1.3265S	99.0895E	0	From 2007-12-01
Saidpur	SAD	Pakistan	33.7422N	73.0633E	838	From 1988-09-18
Saidy	SAYS	Sakha,Russia	68.7000N	134.4500E	88	From 1980-07-01 to 1995-02-01
Saigo	SAI	Shimane,Japan	36.2018N	133.3363E	27	
SAIHA	SAIH	Mizoram,India	22.4894N	92.9874E	1207	From 2012-01-06
Saijyo	JHS	Hiroshima,Japan	34.9987N	133.1163E	470	
Saikikamae	JSKE	Oita,Japan	32.7982N	131.9012E	6	From 2012-07-01
Saillon, Rue du Grand Clos, VS	SAI01	Switzerland	46.1674N	7.1917E	466	From 2018-07-13
Saint Agoulin	AGO	Auvergne,France	46.0524N	3.1311E	523	From 1984-07-01
Saint Andre	A21	Quebec,Canada	47.7036N	69.6897W	46	From 1977-08-30
Saint Andrews	SAW	Washington,U.S.A.	47.7017N	119.4010W	704	From 1975-06-01
Saint Aubin	JSA	Channel Islands,United Kingdom	49.1879N	2.1709W	21	From 1981-01-01
Saint-Augustin-de-Desmaures	SADQ	Quebec,Canada	46.7485N	71.5365W	82	From 2007-11-01
Saint Breward	SBD	England,United Kingdom	50.5653N	4.6856W	220	
Saint Catharines	STCO	Ontario,Canada	43.2096N	79.1705W	96	From 1991-07-26

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Saint Claude	SCG	Guadeloupe,France	16.0289N	61.6810W	646	
Saint-Cripin	OG21	Provence-Cote d'Azur,France	44.7155N	6.6185E	1395	From 1988-09-13
Saint Croix	SCV	Virgin Islands	17.7817N	64.7890W	12	From 1975-04-01 to 1999-08-25
Saint Croix	SCVI	Virgin Islands	17.7614N	64.5831W	10	From 2003-11-06
Saint-Denis-d'Olron - 17323 - Charente-Maritime - Nouvelle-Aquitaine - France	SDOF	Poitou-Charentes	46.0467N	1.4111W	-2	From 2018-09-04
Sainte-Anne-du-Lac	D55A	Quebec,Canada	47.0190N	75.4732W	331	From 2013-08-09
Sainte-Felicite	SNFQ	Quebec,Canada	48.8880N	67.3511W	65	From 2018-06-16
Sainte Mathilde	A61	Quebec,Canada	47.6931N	70.0900W	358	From 1981-06-05
Sainte-Reine	OG07	Rhone-Alpes,France	45.5927N	6.1410E	915	From 1992-10-07
Saint-Etienne-de-Cuines	OG10	Rhone-Alpes,France	45.3522N	6.2758E	1035	From 1992-10-15
Saint-Etienne-de-Tinee	STET	Provence-Cote d'Azur,France	44.2590N	6.9290E	1200	
Sainte-Ursule	STFQ	Quebec,Canada	46.5538N	71.5436W	122	From 2011-12-13
Sainte-Ursule	STUQ	Quebec,Canada	46.3016N	73.0946W	63	From 2011-12-18
Saint Francis	P28A	Kansas,U.S.A.	39.5732N	101.7548W	1105	From 2009-05-11 to 2011-04-02
Saint Francis Retreat	HSFM	California,U.S.A.	36.8120N	121.4990W	340	From 1975-11-13
Saint Francois	SFG	Guadeloupe,France	16.2533N	61.1965W	10	From 1975-01-01
Saint George	GGN	New Brunswick,Canada	45.1184N	66.8421W	6	From 1981-10-28
Saint George	SGS	South Carolina,U.S.A.	33.1925N	80.5095W	25	From 1973-03-08
Saint George	WDO	Utah,U.S.A.	37.1076N	113.5865W	831	From 2008-05-28
Saint George	T13A	Utah,U.S.A.	37.0195N	113.9073W	878	From 2007-01-29 to 2008-10-09
Saint George Infrasonic Array Beam Ref. Pt.	SGIAR	Utah,U.S.A.	37.9159N	113.6150W		
Saint George Infrasonic Array Site 1	SGI01	Utah,U.S.A.	37.9159N	113.6150W		
Saint George Infrasonic Array Site 2	SGI02	Utah,U.S.A.	37.0097N	112.4915W		
Saint George Infrasonic Array Site 3	SGI03	Arizona,U.S.A.	36.1139N	113.6150W		
Saint George Infrasonic Array Site 4	SGI04	Nevada,U.S.A.	37.0097N	114.7385W		
Saint George Island	P08K	Alaska	56.6011N	169.5484W	36	From 2017-10-09
Saint George's Hill	MGH	Montserrat	16.7200N	62.2160W	351	From 1980-07-09
Saint Gilles	SGMF	Bretagne,France	48.2542N	2.5569W	230	From 1996-04-03
Saint Guilaume	F59A	Quebec,Canada	45.8513N	72.7833W	43	From 2013-08-08
Saint Helena Island	SHLN	Saint Helena	15.9167S	5.7333W	274	From 1907-01-01 to 1942-12-31
Saint Helena Road	NSHM	California,U.S.A.	38.5200N	122.6070W	328	From 1970-08-14
Saint-Hilarion	SHQ	Quebec,Canada	47.6034N	70.4009W	411	
Saint Jean	DPQ	Quebec,Canada	46.6805N	72.7773W	167	
Saint Jean de L'Alberes	SJAF	Languedoc-Rousillon,France	42.4845N	2.8822E	450	From 1998-11-16
Saint Jean D'Orleans	D60A	Quebec,Canada	46.9139N	70.9237W	40	From 2013-08-01
Saint Joe	SJID	Idaho,U.S.A.	47.3640N	116.4112W	1775	
Saint John	SJV	Virgin Islands	18.3450N	64.7620W	280	From 1975-06-01
Saint John's	STJN	Newfoundland,Canada	47.5699N	52.7559W	167	From 1991-08-12 to 2006-03-28
Saint John's	SJNN	Newfoundland,Canada	47.5952N	52.6781W	146	From 2005-10-12
Saint John's	STJ	Newfoundland,Canada	47.5717N	52.7328W	62	From 1964-06-01 to 1991-08-31
Saint John's Bayou	SJMO	Missouri,U.S.A.	36.6290N	89.4760W	91	
Saint Joseph Seminary	SJH	California,U.S.A.	37.3338N	122.0910W	122	From 1966-12-23
Saint Joseph's Hill	JJOM	California,U.S.A.	37.2063N	121.9773W	343	
Saint-Julien-en-Beauchene	OG19	Provence-Cote d'Azur,France	44.6303N	5.7260E	1035	From 1989-10-13
Saint-Julien-le-Roux	VIVF	Rhone-Alpes,France	44.8561N	4.6728E	620	From 1996-04-03
Saint Kitts	STKP	St Kitts,Saint Kitts and Nevis	17.3800N	62.8270W	366	
Saint Kitts	SKI	St Kitts,Saint Kitts and Nevis	17.3333N	62.7390W	306	From 1959-04-17
Saint Kitts 2	SKDB	St Kitts,Saint Kitts and Nevis	17.3969N	62.8083W		From 1988-01-01
Saint Laurent les bains, 07262, Ardeche, Auvergne-Rhone-Alpes - France	A188A	France	44.6001N	3.9367E	1085	From 2016-06-08
Saint Lonard, STEP, VS	LEO01	Switzerland	46.2509N	7.4264E	497	From 2018-07-13
Saint Louis	SLM	Missouri,U.S.A.	38.6361N	90.2361W	161	From 1909-10-01
Saint Louis du Ha Ha	SLQ	Quebec,Canada	47.6662N	69.0103W	320	From 1984-06-07
Saint-Loup	LOUF	Basse-Normandie	48.6764N	1.2860W	100	From 2018-01-23
Saint Lucia	SLI	St Lucia	14.0280N	61.0080W	30	From 1955-03-08 to 1959-02-02
Saint Lucia, Anse Canot	SLAC	St Lucia	13.8972N	60.8960W	220	From 2013-05-01
Saint Lucia, Bisee	SLBI	St Lucia	14.0230N	60.9740W	22	From 2013-04-04
Saint Martial	SSM	Haiti	18.5556N	72.3375W	26	
Saint Martin du Canigou	SMCF	Languedoc-Rousillon,France	42.5280N	2.4018E	1000	
Saint Martin du Fouilloux	MFF	Poitou-Charentes,France	46.6022N	0.1458W	270	From 1971-03-24
Saint Mary's College	SMCB	California,U.S.A.	37.8388N	122.1116W	177	
Saint Maurice de Rotherens	OGSM	Rhone-Alpes,France	45.6093N	5.6972E	540	
Saint-Maurice-en-Valgodemard	OG14	Provence-Cote d'Azur,France	44.8152N	6.1123E	1090	From 1988-10-26
Saint Michael	STMI	Alaska,U.S.A.	63.5973N	162.4352W	140	From 1980-07-01 to 1983-01-01
Saint Michel d-Aurance, 07276, Ardeche, Auvergne-Rhone-Alpes - France	A184A	France	44.8920N	4.4516E	750	From 2016-06-09
Saint Nazaire	OCF	Rhone-Alpes,France	44.5783N	5.3021E	840	
Saint-Ouen-de-Mimbre - 72305 - Sarthe - France	SOMF	Pays de la Loire	48.2988N	0.0533E	83	From 2019-10-08
Saint Ours	SURF	Provence-Cote d'Azur,France	44.4808N	6.8128E	1820	From 1983-10-01
Saint Patrick	MSPT	Montserrat	16.6835N	62.1992W	127	
Saint Patrick Mountain	VPMM	Oregon,U.S.A.	43.1933N	120.6660W	1387	
Saint Paul	SPP	Alaska,U.S.A.	57.1533N	170.2400W		
Saint Paul	SP-IS	Alaska,U.S.A.	57.1542N	170.2181W	10	
Saint Paul Island	SPIA	Alaska,U.S.A.	57.1766N	170.2477W	84	From 2000-09-19
Saint Paul Islands	SPI	Alaska,U.S.A.	57.1600N	170.2250W		From 1967-07-02 to 1967-09-10
Saint Petersburg	NE51	Leningradskaya Oblast',Russia	59.8810N	29.8260E	20	
Saint Petersburg	LNN	Leningradskaya Oblast',Russia	59.9333N	30.3000E	3	
Saint Peter's Dome Lookout	SPD	New Mexico,U.S.A.	35.7578N	106.3690W	2566	From 1973-09-01
Saint Peters School	SPSY	New York,U.S.A.	41.3019N	73.8906W	168	
Saint Philip	BBSP	Barbados	13.1045N	59.4579W	35	
Saint Pierre	SPR	St Pierre and Miquelon,Canada	46.7833N	56.1833W		
Saint-Raymond	D59A	Quebec,Canada	47.0073N	71.8358W	204	From 2013-07-31
Saint-Rhmy-en-Bosses	REMY	Italy	45.8378N	7.1565E	2448	From 2011-10-01
Saint-Roch-des-Aulnaies	A11	Quebec,Canada	47.2425N	70.1978W	61	From 1977-08-30
Saint-Romphaire - Manche - Normandie - France	SROF	Basse-Normandie	49.0451N	1.1088W	76	From 2019-05-17
Saint Saulge	SSF1	Bourgogne,France	47.1167N	3.5014E		
Saint Saulge	SSF	Bourgogne,France	47.0615N	3.5060E	355	From 1967-03-29
Saint Sauveur de Carouges	SSC	Basse-Normandie,France	48.5842N	0.1075W	300	
Saint Sauveur en Rue	SSB	Rhone-Alpes,France	45.2792N	4.5417E	700	
Saint Simeon	A64	Quebec,Canada	47.8264N	69.8922W	137	From 1977-08-30
Saint-Thibaud-de-Couz	OG09	Rhone-Alpes,France	45.5123N	5.8363E	630	From 1988-10-21
Saint Thomas	VST	Virgin Islands	18.3540N	64.9570W	372	From 1975-04-01 to 1999-08-25
Saint Thomas	STVI	Virgin Islands	18.3514N	64.9539W	12	
Saint Vincent	SVI	St Vincent,Saint Vincent and the Grenadines	13.1700N	61.2580W	10	
Saint Vincent	SVT	St Vincent,Saint Vincent and the Grenadines	13.1698N	61.2418W	49	From 1964-03-03
Saint Vincent's CYO School for Boys, San Rafael	SVIN	California,U.S.A.	38.0333N	122.5264W	0	
Saipan	SAPN	Mariana Islands	15.2149N	145.7516E	209	From 1991-01-01
Sair Farasan Island	FRSS2	Saudi Arabia	16.8520N	41.7940E	45	
Saitabat	STBT	Turkey	40.1445N	29.2384E	719	From 2013-05-09
Sajaritas	SAJV	Venezuela	10.3648N	71.3511W	65	
Sakahara	SKRH	Madagascar	22.8270S	44.7330E	797	
Sakai	SAA	Tottori,Japan	35.5500N	133.2330E	2	
Sakaide	JJS	Kagawa,Japan	34.3737N	133.9307E	210	
SAKARYA_Geyve	GEYV	Turkey	40.4842N	30.2958E	223	From 2011-09-30
Sakarya_HENDEK	SAHE	Turkey	40.8525N	30.8536E	461	From 2011-01-11
Sakarya, Kaynarca-Tasoluk	KAYN	Turkey	40.9654N	30.3405E	130	From 2014-11-26
Sakata	SAK	Yamagata,Japan	38.9067N	139.8470E	4	
Sakata 2	SKH	Yamagata,Japan	38.8567N	139.9730E	58	From 1978-03-01
Sake	SAKE	Democratic Republic of the Congo	1.5864S	29.0732E	1477	From 2017-06-23
Saki	SHKI	Azerbaijan	41.2050N	47.1950E	600	From 1973-01-01
Sakolnakorn	SKNT	Thailand	16.9742N	103.9815E	254	
Sakura	SKU	Chiba,Japan	35.7167N	140.2330E		
Sala	SALA	Syria	32.7112N	36.7329E	1670	From 1995-02-01
Salacafe	VGTI	Philippines	6.1353N	124.8281E	915	
Sala Consilina	SLC1	Italy	40.3951N	15.5960E	563	From 2006-11-28
Sala Consilina	SLCN	Italy	40.3900N	15.6328E	986	
Saladito	HORQ	Colombia	3.4830N	76.6240W	2295	
Salado	SDO	Atacama,Chile	26.4194S	70.3111W		
Salagasta	ASAL	Mendoza,Argentina	32.5910S	68.8348W	947	
Salakas	ISAL	Lithuania	55.5711N	26.1255E	145	
Salao	SALAO	Azores	38.6183N	28.6566W	100	
Salau	SALF	Midi-Pyrenees,France	42.7600N	1.1893E	900	From 1989-01-01
Sal¨ve	SALEV	France	46.0602N	6.0970E	1083	From 2019-04-18
Salazar	SZVM	Mexico D.F.,Mexico	19.3230N	99.3810W	3357	
Salcha River, AK	J25K	Alaska	64.6130N	145.3697W	949	From 2015-08-24
Sale College, Sale	AUSSC	Victoria,Australia	38.1000S	147.0800E	19	From 2013-11-08
Salehabad	SALH	Iran	35.6825N	61.1021E	711	From 2012-03-20
Salem	SX-SD	South Dakota,U.S.A.	43.8747N	97.2500W	488	From 1962-11-09 to 1962-12-12
Salem	SX-	South Dakota,U.S.A.	43.8747N	97.2500W	488	From 1962-11-09 to 1962-12-12
Salem	VSMM	Oregon,U.S.A.	44.9270N	123.1270W	290	
Salem	SALM	Tamil Nadu,India	11.6500N	78.2000E	0	From 2000-01-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Sale Mountain	SLEB	British Columbia,Canada	51.1667N	118.1330W	2075	
Saletta	MZ01	Italy	42.6716N	13.2708E	859	From 2016-09-19 to 2016-10-14
Salfit	SALP	Palestine Territories	32.0686N	35.1914E	475	
SALI	SALII	Bolivia	19.6201S	67.7245W	3779	From 1994-05-30 to 1995-08-08
Salina	U37A	Oklahoma,U.S.A.	36.4060N	95.1161W	248	From 2010-06-17 to 2012-02-19
Salina	SNK	Kansas,U.S.A.	38.9530N	97.6030W	407	From 1978-04-18 to 2001-07-15
Salina	SLNA	Italy	38.5636N	14.8329E	361	
Salina IE	ISLN	Sicily,Italy	38.5803N	14.8135E	283	From 1988-01-01
Salinas	SLN	Antofagasta,Chile	23.1539S	69.6111W	1350	
Salinas	SALI	Ecuador	2.1860S	80.9908W	85	From 1996-03-07
Salinas Radio	AN12*	California,U.S.A.	36.6685N	121.5190W	399	From 1969-05-09 to 1977-03-04
Salinas Radio Site	SRC	California,U.S.A.	36.6685N	121.5190W	399	From 1969-05-09 to 1977-03-04
Salinas Radio Site	BSRM	California,U.S.A.	36.6665N	121.5190W	395	From 1977-03-09
Sali PS	LL23	Tanzania	2.2969S	35.6900E	1257	From 2013-01-19 to 2014-12-06
Salisbury	P39A	Missouri,U.S.A.	39.4877N	92.7549W	232	From 2010-11-29 to 2011-04-14
Salisbury	P39B	Missouri,U.S.A.	39.4876N	92.7541W	226	From 2011-05-06 to 2012-09-28
Salisbury	DSLB	Dominica	15.4380N	61.4210W	279	From 2014-06-08
Sal'it	SLTI	Israel	32.2405N	35.0403E	250	From 2002-05-28
Salmas. Az.Gharbi	SLM1	Iran	38.1624N	44.4656E	2388	From 2017-05-17
Salmi	KOVU	Sweden	68.2228N	20.1607E	555	
Salmond Ranch, Choteau	C15A	Montana,U.S.A.	47.7750N	112.6072W	1522	From 2007-09-09 to 2009-08-14
Sal, Murdeira	CVSL2	Cape Verde Islands	16.7091N	22.9402W	24	From 2007-12-01 to 2008-09-01
Salo	SAL	Italy	45.6075N	10.5261E	77	
Salo'	SLOB	Italy	45.6044N	10.5165E	76	From 2019-07-31
Salom-Alik	SALK	Kyrgyzstan	40.8800N	73.8200E	1672	From 1980-06-22
Salome	Y13A	Arizona,U.S.A.	33.8142N	113.8287W	356	From 2006-03-16 to 2008-10-21
Sal, Palmeira	CVSL4	Cape Verde Islands	16.7578N	22.9826W	9	From 2007-12-01 to 2008-09-01
Sal, Pedra Lume	CVSL3	Cape Verde Islands	16.7633N	22.8944W	11	From 2007-12-01 to 2008-09-01
Salr	SALO	Italy	45.6183N	10.5243E	600	From 2005-11-03
Sal, Santa Maria	CVSL1	Cape Verde Islands	16.6008N	22.8977W	5	From 2007-12-01 to 2008-09-01
Salt	SALJ	Jordan	32.0093N	35.6847E	780	From 1983-09-01
Salta	SLT	Salta,Argentina	24.7833S	65.4167W		
Saltair	SAU	Utah,U.S.A.	40.8197N	112.0730W	1283	From 1974-03-01 to 1982-04-30
Saltdale	SDLC	California,U.S.A.	35.3805N	117.8867W	756	
Saltilio Ejido	D12	Baja California	32.4310N	115.1345W	10	
Saltillo	SALX	Baja California,Mexico	32.4222N	115.1303W	50	From 1994-08-16
Salt Lake City	SLC	Utah,U.S.A.	40.7638N	111.8480W	1423	From 1962-04-01
Salto do Cavalo	SDCA	Azores,Portugal	37.7939N	25.3172W	644	From 1981-01-01
Saltoluokta	SALU	Sweden	67.3801N	18.5067E	500	From 2003-08-24
Salton City	SALN	Arizona	33.2801N	115.9858W	14	From 1999-05-25
Salton Sea Test Base	SLTC	California,U.S.A.	33.2648N	115.9232W	-50	
Salto Pilao - PR	SP7	Parana,Brazil	27.1203S	49.4618W	567	From 2007-01-01
Salt Plains WLR near Rte 11	OK032	Oklahoma,U.S.A.	36.8038N	98.2104W	345	From 2015-03-04
Saltpond	SPG	Ghana	5.2000N	1.0667W	50	From 1980-02-01 to 1980-06-30
Salt Prairie Lookout Tower, Alberta	STPRA	Alberta,Canada	55.6606N	115.8323W	760	From 2014-07-30
Saltspring Island	SSIB	British Columbia,Canada	48.7558N	123.3875W	12	
Saluda	V53A	North Carolina,U.S.A.	35.6694N	82.8124W	681	From 2012-05-20
Saluda	Y55A	South Carolina,U.S.A.	33.9375N	81.8581W	164	From 2013-02-18
Salum	SLUM	Egypt	31.4916N	25.2123E	107	
Salvajina	SALC	Colombia	2.9729N	76.6952W	1430	From 1988-11-01
Salvation Pass	SLVP	California,U.S.A.	33.2385N	115.3044W	254	From 2018-09-27
Salyersville	S52A	Kentucky,U.S.A.	37.6791N	83.0784W	367	From 2012-05-16
Samad	SMDO	Oman	23.0589N	58.0492E	1000	From 2001-07-01
Samaipata	SMB	Bolivia	18.1667S	63.8500W	1650	
Samana, DR	SMDR	Puerto Rico	19.2898N	69.1882W	14	From 2011-07-01
Samana, DR	SMN1	Dominican Republic	19.1878N	69.2733W	521	From 2007-03-01
Samandagi	SMDT	Turkey	36.1090N	35.9490E	20	From 1997-05-01
Samari, N030	N030M	Greece	40.8208N	22.0946E	364	
Samarinda	SMKI	Kalimantan,Indonesia	0.4461S	117.2085E	97	From 2005-01-01
Samarkand	SAM	Uzbekistan	39.6617N	66.9524E	668	From 1913-01-01
Samaxi	SHE	Azerbaijan	40.6380N	48.6390E	840	From 1902-01-01
Sambava	SBV	Madagascar	13.4584S	49.9212E	63	From 2009-11-19
Samburg	DY4	Tennessee,U.S.A.	36.4167N	89.3031W	140	From 1969-01-01 to 1972-12-31
Sameba	SAMG	Georgia,Georgia	41.6972N	44.8157E	465	From 2003-01-01
Samen	HSAM	Iran	34.2116N	48.6023E	2330	From 2011-04-01
Samh	SMHA	Greece	38.2512N	20.6477E	5	
Sam Houston State University, Huntsville	438A	Texas,U.S.A.	30.7500N	95.4741W	97	From 2010-02-17 to 2011-12-13
Sammumatsuo	JSMT	Chiba,Japan	35.6427N	140.4483E	34	From 2012-11-01
Samnorwood	SMWD	Texas,U.S.A.	35.1046N	100.2425W	704	From 2017-08-08
Samo	SOI	Italy	38.0722N	16.0550E	300	
Samoens	OG03	Rhone-Alpes,France	46.0667N	6.7305E	1000	From 1990-04-25
Samokov	SAMO	FYR Macedonia	41.6928N	21.1392E	638	From 2004-01-01
Samos	SMG	Greece	37.7087N	26.8370E	340	From 1989-06-01
Samos	SMS	Greece	37.8000N	26.7000E		
Samothraki Island	SMTH	Greece	40.4709N	25.5304E	365	From 2009-04-08
Samovar Hills	SAMH	Alaska,U.S.A.	60.1298N	140.7809W	1140	
Sampolo	SMPL	Corse,France	42.0940N	9.2850E	405	
Samsun-Alacam	SAMS	Turkey	41.3610N	36.1872E	192	From 2010-12-01
Samsville	SMV	Illinois,U.S.A.	38.4890N	88.0820W	134	From 1974-04-01
Samuel	SRB	Rondonia,Brazil	8.8333S	63.4717W		
Samuel	SAML	Rondonia,Brazil	8.9488S	63.1832W	101	
Samuel, RO	SAMU	Rondonia,Brazil	8.9153S	63.2507W	125	From 2014-02-15
Sam W. Stewart, Westmorland	SWSC	California,U.S.A.	32.9451N	115.7999W	140	From 1997-09-20
San`a	SANA	Yemen	15.3870N	44.2050E	2280	
Sanada	SDJ	Nagano,Japan	36.4367N	138.3050E	660	From 1968-07-01 to 1973-03-31
Sanae	SNAA	Dronning Maud Land	71.6707S	2.8379W	846	
Sanae	SNA	Dronning Maud Land	70.3150S	2.3250W	57	
Sanak Island	SNKA	Alaska,U.S.A.	54.4740N	162.7750W	159	
San Alfonso	MT13	Metropolitana	33.7440S	70.2860W	1198	From 2016-12-16
Sanalona	SSIG	Sinaloa	24.8200N	107.1400W	156	From 2014-01-31
Sanana	SANI	Moluccas,Indonesia	2.0496S	125.9881E	28	From 2009-12-03
Sanandaj	SNGE	Iran	35.0925N	47.3470E	1940	From 2004-04-04
San Andreas	SAC	California,U.S.A.	37.5825N	122.4170W	207	From 1973-10-01
San Andreas	JSAM	California,U.S.A.	37.5825N	122.4170W	207	From 1973-10-01
San Andreas Geological Observatory	SAO	California,U.S.A.	36.7640N	121.4472W	317	From 1966-01-01
San Andreas Lake	LT9	California,U.S.A.	37.5760N	122.4230W	335	From 1967-07-13 to 1972-09-27
San Andreas Lake	JSLM	California,U.S.A.	37.5760N	122.4233W	335	
San Andres	SRD	Colombia	6.8132N	72.8503W	1640	From 1975-01-25
San Andres	CEDA	El Salvador	13.8028N	89.3949W	455	From 2012-05-24
San Andres	AUQP	Luzon,Philippines	13.3230N	122.6750E	50	
San Angelo	331A	Texas,U.S.A.	31.3085N	100.4266W	615	From 2009-03-05 to 2011-01-22
San Angelo	SA4	Texas,U.S.A.	31.8247N	101.4264W	792	From 1967-04-17 to 1967-05-23
San Angelo	SA2	Texas,U.S.A.	31.5500N	100.9075W	732	From 1967-04-16 to 1967-05-16
San Angelo	SA2TX	Texas,U.S.A.	31.5500N	100.9075W	732	From 1967-04-16 to 1967-05-16
San Angelo	SA4TX	Texas,U.S.A.	31.8247N	101.4264W	792	From 1967-04-17 to 1967-05-23
San Antonio	SLP	Guatemala	14.7430N	90.2828W	1410	From 1978-06-01
San Antonio	SAAN	Costa Rica,Costa Rica	10.1960N	85.4468W	133	
SAN ANTONIO - HORCONCITO	SALS	Ecuador	0.6415S	80.2794W	21	From 2016-05-11
San Antonio Reservoir	PANM	California,U.S.A.	35.7797N	120.9070W	451	
San Antonio Texas	SAT1	Texas,U.S.A.	28.5550N	98.6450W	-27	From 2010-04-30
San Ardo	PSAM	California,U.S.A.	36.0253N	120.8880W	184	
San Ardo, CA	WUNP	California	35.9333N	120.9068W	524	From 2018-09-01
Sanarito	SANV	Venezuela	9.5010N	69.5360W	1083	From 2002-05-29
Sanatorio Duran	SDS	Costa Rica	9.9333N	83.8836W	2340	
Sanatorio - la Vina	AHLV	Salta,Argentina	25.4700S	65.5600W	1200	From 1983-01-18
San Augustine	SNAG	Texas,U.S.A.	31.5182N	94.1788W	84	From 2017-08-04
San Bartolo, Chiriqui	SBAR3	Panama	8.3180N	82.8830W	102	From 2010-01-01
San Bartolome de la Torre, Huelva	E008	Spain	37.4969N	7.1304W	184	From 2007-09-26 to 2009-06-23
San Bartolome de Tirajana (Gran Canaria)	CLUM	Canary Islands	27.8180N	15.6503W	435	From 2018-10-09
San Bartolomeo in Bosco (FE)	T0816	Italy	44.7207N	11.5976E	0	From 2012-05-20 to 2012-09-18
San Benito	BBNM	California,U.S.A.	36.5095N	121.0760W	442	From 1971-01-28
San Benito	SBT	California,U.S.A.	36.5095N	121.0760W	442	From 1971-01-28
San Bernardino	IIB	Puebla,Mexico	18.9640N	98.3447W	2380	
San Bernardino Valley	SBVC	California,U.S.A.	34.0881N	117.3110W		
San Blas	SBLS	El Salvador	13.8393N	89.6230W	1949	
Sanborn	SANY	New York,U.S.A.	43.1738N	78.8703W	172	From 1977-10-19 to 2002-12-20
Sanbornton	NH1	New Hampshire,U.S.A.	43.5473N	71.5743W	402	
San Bruno Mountain	JSBM	California,U.S.A.	37.6790N	122.3970W	194	
Sancaktepe, STANBUL	SATE	Turkey	41.0130N	29.2859E	144	From 2019-12-04

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
San Calixto	LPZ	Bolivia	16.4953S	68.1327W	3658	From 1912-01-01
San Caprasio	ESAC	Spain	41.7219N	0.4693W	815	
San Carlo Canavese	A282A	Italy	45.2545N	7.6133E	428	From 2015-09-16
San Carlo, Sant'Agostino (FE)	SCA06	Italy	44.8120N	11.3750E	0	From 2012-06-09 to 2012-07-16
San Carlo, Sant'Agostino (FE)	SCA05	Italy	44.8097N	11.3917E	0	From 2012-06-09 to 2012-06-12
San Carlo, Sant'Agostino (FE)	SCA04	Italy	44.8240N	11.3667E	0	From 2012-05-30 to 2012-07-18
San Carlo, Sant'Agostino (FE)	SCA03	Italy	44.8030N	11.4276E	0	From 2012-05-30 to 2012-07-16
San Carlo, Sant'Agostino (FE)	SCA02	Italy	44.7998N	11.4434E	0	From 2012-05-29 to 2012-07-16
San Carlo, Sant'Agostino (FE)	SCA01	Italy	44.8035N	11.4070E	0	From 2012-05-29 to 2012-07-16
San Carlo, Sant'Agostino (FE)	CAS05	Italy	44.8022N	11.4097E	9	From 2012-05-24
San Carlos High School, San Carlos	Z17A	Arizona,U.S.A.	33.2969N	110.4723W	846	From 2007-04-16 to 2009-01-21
San Casciano dei Bagni	SACS	Italy	42.8491N	11.9097E	845	From 2004-12-16
San Cayetano, Corrientes, Argentina	SCCA	Misiones	27.5694S	58.6356W	28	From 2016-01-06
SANCHEONG	KSSAC	Republic of Korea	35.4060N	127.8754E	139	From 2000-12-06
Sanchez	DR13	Dominican Republic	19.2405N	69.5887W	400	
San Clemente Island	SCI	California,U.S.A.	32.9800N	118.5470W	219	From 1967-07-27
San Clemente Island 2	SCI2	California,U.S.A.	32.9799N	118.5470W	199	From 2003-10-23
San Cristbal IPL	LOSC1	Dominican Republic	18.4067N	70.1080W	45	From 2014-11-25 to 2016-01-13
San Cristobal	SCX	Chiapas,Mexico	16.7358N	92.6345W		From 1987-01-01
San Cristobal	CRIN	Nicaragua	12.7000N	87.0500W	685	
San Cristobal	SCRV	Venezuela	7.7889N	72.1917W	818	
San Cristobal	SCR	Santiago,Chile	33.5000S	71.0000W		
Sandakan	SDKM	Sabah,Malaysia	5.6410N	117.1950E	523	From 2003-04-01
San Damiano	DOI	Italy	44.5041N	7.2466E	1039	
Sand Bay	SBY	Alaska,U.S.A.	51.9976N	176.0920W		From 1948-08-01 to 1951-12-31
Sand Canyon	SNDC	California,U.S.A.	35.1426N	118.3029W	1294	
Sand Creek	SCRK	Alaska,U.S.A.	63.9769N	143.9859W	1375	
Sand Creek, Windsor	P44A	Illinois,U.S.A.	39.4676N	88.6209W	195	From 2011-08-06 to 2013-04-29
Sanders	W19A	Arizona,U.S.A.	35.1118N	109.3879W	1785	From 2007-04-29 to 2009-02-02
Sanderson	SS-	Texas,U.S.A.	30.0214N	102.3281W	732	From 1961-10-19 to 1963-06-11
Sanderson	SAND	Texas,U.S.A.	29.9547N	102.1233W	688	From 2017-02-08
Sanderson	SS-TX	Texas,U.S.A.	30.0214N	102.3281W	732	From 1961-10-19 to 1963-06-11
Sanderson Ranch, Post	Z30A	Texas,U.S.A.	33.2861N	101.1282W	729	From 2009-03-10 to 2011-02-06
Sanders Place, Florence	R24A	Colorado,U.S.A.	38.2315N	105.1075W	1978	From 2008-06-02 to 2010-05-04
Sandfield	F49A	Ontario,Canada	45.7627N	82.0423W	230	From 2012-11-10
Sand Hill	SDHHI	Hawaii,U.S.A.	19.3895N	155.2940W	1133	
Sandia	CSAM	California,U.S.A.	37.6737N	121.7040W	215	From 1979-10-09
San Diego	SND	California,U.S.A.	32.7667N	117.0670W	125	
San Diego	SDC	California,U.S.A.	32.6833N	117.2420W		
San Diego Bay	SGB	Alaska,U.S.A.	55.5458N	160.4540W	275	
San Diego Mission Control	SDMC	Baja California	32.7840N	117.1381W	101	
San Diego Road Dept, El Cajon	SDRC	California,U.S.A.	32.7356N	116.9424W	113	From 2001-04-20
Sandillal	CRUP	Costa Rica	10.5017N	85.1247W	192	From 2004-01-01
Sandimen	SSD	Taiwan region	22.7460N	120.6320E	148	
San Donato	SDI	Italy	41.7092N	13.8103E	720	From 1984-06-01
Sand Pete Hill	YUK1	Yukon Territory,Canada	62.1533N	140.5287W	1557	From 2010-08-25
Sandpoint	B11A	Idaho,U.S.A.	48.4366N	116.3674W	870	From 2006-10-05 to 2008-06-12
Sand Point	SDPT	Alaska,U.S.A.	55.3493N	160.4766W	74	From 2002-08-28
Sand Point	SDN	Alaska,U.S.A.	55.3413N	160.4970W	23	From 1978-10-12 to 2004-09-10
Sand Point	SASA	Alaska,U.S.A.	55.3400N	160.4970W	23	
Sand Point BB	SPBA	Alaska,U.S.A.	55.3498N	160.4760W	90	From 1993-07-01
Sandrigo	SANR	Italy	45.6400N	11.6099E	51	From 2007-12-19
Sandskeio	ISAN	Iceland	64.0560N	21.5700W	208	From 1996-10-14
Sandspit	SSQ	British Columbia,Canada	53.2500N	131.8170W	3	From 1977-07-14 to 1978-03-18
Sandwick	SAN1	Shetland Islands,United Kingdom	60.0179N	1.2392W	150	From 1985-01-01
Sandwick	SANU	Shetland Islands,United Kingdom	60.0176N	1.2386W	150	
Sandy Floe Quarry	P403	Washington,U.S.A.	48.0624N	124.1409W	314	From 2005-06-21
Sandy Hook	SHTN	Tennessee,U.S.A.	35.4597N	87.1297W	323	From 1985-09-27 to 1989-06-30
Sandy Lake, NWT	SNLN	Northwest Territories,Canada	62.8304N	107.6119W	0	From 2008-07-12
San Emigdio	SEGC	Colombia	3.5469N	76.2010W	1384	
San Esteban	VA03	Valparaso,Chile	32.7637S	70.5508W	1053	From 2013-11-28
Sanetsch, VS	RAW2	Switzerland	46.3148N	7.3159E	2007	From 2016-10-12
San Evaristo	EVAR0	Baja California	24.9107N	110.7120W	29	From 2013-12-05
San Fabin de Alico	BI02	Bio-Bio	36.6634S	71.2732W	913	From 2014-01-10
San Farael, Volcan Turrialba, Cartago	RAFA	Costa Rica	9.9582N	83.8112W	2575	From 2000-01-01
San Fco. de Macoris	SFDR	Dominican Republic	19.2863N	70.2416W	124	From 2013-08-13
San Fele	SFL3	Italy	40.7889N	15.5782E	1062	
SanFelice sul Panaro (MO)	T0802	Italy	44.8750N	11.1816E	8	From 2012-05-21 to 2012-08-27
San Felipe	SFP	Baja California,Mexico	31.0317N	114.8300W	4	From 1969-04-26
San Felipe	BS07	Bolivia	17.9703S	67.1287W	4097	From 2012-01-18
San Felipe	SFX	Baja California,Mexico	31.0375N	114.8503W	36	
San Felipe	HFEM	California,U.S.A.	36.9833N	121.4010W	323	From 1971-10-14
San Felipe	SFL	California,U.S.A.	36.9833N	121.4010W	323	From 1971-10-14
San Felipe Oa, Saraguro	ONHA	Ecuador	3.4775S	79.1631W	2361	From 2012-07-18
San Felix	SFX2	Panama	8.2935N	81.8688W	0	
San Fernando	SFDO	O'Higgins,Chile	34.6143S	71.0138W	690	
San Fernando	SFUC	Spain	36.6370N	6.1750W	88	
San Fernando	SFS	Spain	36.4656N	6.2055W	21	
San Fernando, CERR	CERRC	Colombia	5.0808N	75.2880W	3768	
San Fidel	W21A	New Mexico,U.S.A.	35.1170N	107.6476W	1966	From 2008-01-12 to 2010-02-07
San Francisco	SFM	California,U.S.A.	37.7644N	122.4370W	103	
San Francisco	SFB	California,U.S.A.	37.7767N	122.4520W	100	From 1931-04-01 to 1964-12-31
San Francisco	FRCO	California,U.S.A.	37.7520N	122.4767W	115	From 2011-05-18
San Francisco	SFC	California,U.S.A.	37.7667N	122.4170W		
San Francisco Camp Mather, Mather	S06C	California,U.S.A.	37.8817N	119.8488W	1377	From 2005-10-08 to 2007-10-04
San Francisco, Cebu	SFCP	Cebu	10.6370N	124.3600E	150	From 2016-09-27
San Francisco de Macorix	SFM1	Dominican Republic	19.2874N	70.2441W	114	From 2011-06-17
SAN FRANCISCO DE NOVILLO	NOVI	Ecuador	0.1904S	79.8621W	215	From 2016-05-11
San Francisco--Rincon	SFR	California,U.S.A.	37.7880N	122.3890W	8	
San Francisco Tecoxpa	MPVM	Mexico D.F.	19.2013N	99.0113W	1980	
San Francisco, Veraguas	SFRA3	Panama	8.2490N	80.9720W	101	From 2010-01-01
San Francisquito	SFQB	Baja California	28.4050N	112.8610W	50	From 2015-02-13
San Fratello	MSFR	Sicily,Italy	38.0330N	14.5910E	708	From 2010-12-22
San Fratello	ME02	Italy	38.0332N	14.5901E	677	From 2007-10-19 to 2009-02-03
San Gabriel, PRI	PRIMX	Baja California	31.5807N	116.0492W	1152	
Sangatta, Kalimantan	SGKI	Kalimantan,Indonesia	0.5300S	117.6040E	178	From 2008-12-01
S. Angelo Dei Lombardi	SNAL	Italy	40.9254N	15.2091E	874	From 2004-08-24
Sangemini	USGN	Italy	42.6042N	12.5378E	342	From 2005-10-30
San Giacomo	MI09	Italy	42.3658N	13.4144E	782	From 2009-04-28 to 2009-06-09
San Gibilmanna	SG6*	Sicily,Italy	37.9869N	14.0261E		From 1966-04-01 to 1966-05-01
Sangihe	SGSI	Mindanao,Philippines	3.6860N	125.5286E	100	From 2005-01-01
Sangi-Kar	SNGI	Tajikistan	39.0300N	70.1300E	1400	
San Giovanni	MZ105	Italy	42.6927N	13.2078E	1010	From 2016-10-13 to 2016-10-30
San Giovanni Incarico	LIK	Italy	41.5047N	13.5580E	196	From 2010-02-12
San Giovanni in Paganica (AQ), Italy	SGF2	Italy	42.5037N	13.2828E	913	From 2016-11-24 to 2016-11-30
San Giovanni in Paganica (AQ), Italy	SGF3	Italy	42.5095N	13.2757E	857	From 2016-11-24 to 2016-11-30
San Giovanni in Paganica (AQ), Italy	SGF5	Italy	42.5068N	13.2809E	940	From 2016-11-24 to 2016-11-30
San Giovanni in Paganica (AQ), Italy	SGF1	Italy	42.5075N	13.2773E	874	From 2016-11-24 to 2016-11-30
San Giovanni in Paganica (AQ), Italy	SGFR	Italy	42.5012N	13.2749E	885	From 2016-11-24 to 2016-11-30
San Giovanni in Paganica (AQ), Italy	SGF7	Italia	42.5072N	13.2877E	1101	From 2016-11-24 to 2016-11-30
San Giovanni in Paganica (AQ), Italy	SGF6	Italy	42.5038N	13.2855E	1000	From 2016-11-24 to 2016-11-30
San Giovanni Rotondo	SGRT	Italy	41.7546N	15.7437E	960	From 2006-05-24
San Giovanni Suergiu(CI)	SU06	Sardinia	39.1196N	8.4925E	101	From 2014-09-24 to 2015-09-02
San Giuliano del Sannio	MSSG	Italy	41.4561N	14.6385E	639	From 2008-05-10
San Giuliano Nuova Scuola Iovine	SGSC	Italy	41.6892N	14.9581E	517	From 2011-06-01
San Giuliano Parco Memoria	SGPA	Italy	41.6876N	14.9629E	509	From 2011-06-01
San Giustino Valdarno	TSGT	Italy	43.5579N	11.7020E	330	From 2006-05-18
San Giusto Canavese	PCNV	Italy	45.3120N	7.7910E	89	From 2005-12-03
Sangju	KSSAJ	Republic of Korea	36.4080N	128.1575E	128	From 2006-12-30
Sangmyun	SGMA	Republic of Korea	37.8280N	127.2880E	287	From 2018-03-09
San Gregorio	GIO	Sicily,Italy	37.5667N	15.1083E	330	From 1989-02-01
San Gregorio	SGP	Peru	16.5621S	72.7136W	108	
Sangsangzhen, Xizang Zizhiqu	SSAN	Xizang Zizhiqu,China	29.4238N	86.7290E	4585	From 2001-09-14 to 2002-09-08
Sang-Tuda	SAT	Tajikistan	37.9667N	69.0333E		
Sanguang	NSK	Taiwan region	24.6760N	121.3580E	682	
Sanharo	SABR	Pernambuco,Brazil	8.3138S	36.5536W	760	From 2007-01-01
San Ignacio	SIV	Bolivia	15.9913S	61.0722W	520	From 1990-03-01
San Ignacio de Huinay	LL01	Los Lagos	42.3787S	72.4126W	62	From 2013-10-05
Sanikiluaq	SAKN	Quebec,Canada	56.5359N	79.2323W	2	From 2014-11-25

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Sanikiluaq	SNKN	Quebec,Canada	56.5362N	79.2315W	10	From 2009-07-25
Sanikiluaq	SNQN	Quebec,Canada	56.5418N	79.2254W	15	From 2006-09-20
San Isidro	TSIS	Canary Islands	28.0697N	16.5922W	250	From 2016-10-28
San Jacinto	SJAS	El Salvador	13.6667N	89.1667W	1100	
San Jacinto, Colombia	SJCC	Colombia	9.8967N	75.1795W	596	From 2011-05-03
San Javier	SJVR	Maule,Chile	35.5902S	71.7383W	97	
San Javier	SJC	Linares,Chile	35.6417S	71.7250W	80	
San Jeronimo	SJRM	Guerrero,Mexico	17.1380N	100.4740W	40	
San Joaquim	CNTR	Baja California	31.7500N	116.0000W	1144	
San Joaquin	SJX	Baja California,Mexico	31.7628N	115.9590W		From 1986-01-01
San Joaqun	BB03	Bolivia	17.0312S	64.8752W	240	From 2011-11-24
San Joaquin Reservoir	SJQ	California,U.S.A.	33.6200N	117.8450W	165	From 1971-07-07 to 1999-08-25
San Jorge	JORG	Ecuador	0.2172S	78.6457W	2800	
San Jorge 1	JOR1	Ecuador	0.0001S	78.6387W	2690	
San Jose	SNJE	El Salvador	13.8683N	89.6057W	1694	
San Jose	SJ-TX	Texas,U.S.A.	27.6119N	98.3128W	114	From 1961-11-01 to 1967-09-30
San Jose	CENT	Costa Rica,Costa Rica	9.9308N	84.0797W	1165	
San Jose	SJMP	Mindoro,Philippines	12.4610N	121.1190E	27	
San Jose	SJR	Costa Rica	9.9350N	84.0778W	1156	
SAN JOSE	JOSE	Ecuador	1.2376S	80.7812W	26	From 2016-05-18
San Jose, Antique	JAP	Philippines	10.7472N	121.9465E	18	From 2010-06-23
San Jose de las Matas	DR02	Dominican Republic	19.3542N	70.7718W	490	
San Jose del Guaviare	GUVC	Colombia	2.5448N	72.6273W	217	
San Jose del Monte	SBPH	Luzon,Philippines	14.7950N	121.1160E	240	
San Jos del Palmar, Choc	PLMC	Colombia	4.9052N	76.2827W	675	From 2011-10-04
San Jose del Viejo B.C.S	NE79	Baja California	23.1190N	109.7560W	225	
San Jose de Maipo	SJCH	Santiago,Chile	33.6407S	70.3538W	997	
San Jos de Ur, Cordoba	UREC	Colombia	7.7517N	75.5327W	251	From 2012-04-27
San Jose Maipo	SJM	Santiago,Chile	33.6500S	70.3667W	967	
San Jose, RAG	RAGC	Colombia	7.6300N	72.4988W	1468	
San Jose Seismic Satellite Station	SCSP	Luzon	13.6539N	123.5200E	10	
San Jose (USA)	SJ-	Texas,U.S.A.	27.6119N	98.3128W	114	From 1961-11-01 to 1967-09-30
San Juan	SJP	Puerto Rico	18.3817N	66.1183W	80	From 1925-12-01 to 1965-12-31
San Juan	SJU	Peru	15.3560S	75.1790W	75	
San Juan	SJG	Puerto Rico	18.1117N	66.1500W	45	From 1964-09-23
San Juan	SJA	San Juan,Argentina	31.5277S	68.5607W	660	
San Juan	JUAN	Ecuador	0.2083S	78.5917W	3590	
San Juan 2	JUA2	Ecuador	0.2138S	78.6052W	3670	
San Juan Bautista	HBTM	California,U.S.A.	36.8502N	121.5510W	98	From 1975-06-05
San Juan Bosco	BOSC	Ecuador	3.1512S	78.4951W	1398	From 2012-11-21
San Juan de Arama, Meta	SJAC	Colombia	3.2730N	73.9510W	969	From 2010-11-01
San Juan de la Maguana	SJM1	Dominican Republic	18.8030N	71.2189W	434	From 2011-06-14
San Juan de la Rambla	TSJR	Canary Islands	28.3283N	16.6113W	1709	From 2016-11-03
San Juan del Sur	SSN	Nicaragua	11.3012N	85.8535W	160	From 1975-01-01
San Juan del Sur	SSNN	Nicaragua	11.2878N	85.8495W	415	
San Juan de Rio Coco, Nicaragua	RCON	Nicaragua	13.4842N	86.1560W	1324	From 2012-04-15
San Juan Grade	HJGM	California,U.S.A.	36.7980N	121.5740W	171	From 1967-06-21
San Juan Grade	AN3*	California,U.S.A.	36.7980N	121.5740W	171	From 1967-06-21
San Juanillo, Guanacaste	SAJU	Costa Rica	10.0673N	85.7105W	90	From 2000-01-01
San Juan, Peru	SJN	Peru	13.4117S	75.9467W	500	
San Juan River Ranch, S19	SCR19	Colorado	37.3456N	106.9137W	2342	
SanJuan Tecuaco	SJT	Guatemala	14.0813N	90.2688W	460	From 1980-02-01 to 1999-08-25
San Juan UASD	SJG1	Dominican Republic	18.8133N	71.2225W	434	From 2014-11-27
San Juan (W)	SJGC	Puerto Rico	18.1117N	66.1500W	45	From 1964-09-23
Sankelmark Bunker	SKMB	Schleswig-Holstein	54.7176N	9.4385E	37	From 2013-09-02
Sankt Quirin	SQTA	Austria	47.2205N	11.2087E	1307	From 1989-05-01
San Lazaro	A490	Costa Rica	10.2723N	85.4582W	0	From 2000-01-01
San Leandro Hills	CSLM	California,U.S.A.	37.7242N	122.1193W	219	
San Leucio (CB)	T1415	Italia	41.8796N	14.8249E	420	From 2018-08-30
SANLIURFA_Merkez	SANL	Turkey	37.1712N	38.9892E	505	From 2011-10-31
SANLIURFA_SURC	SURC	Turkey	36.8793N	38.6128E	632	From 2010-11-28
San Lorenzo	LORE	Ecuador	1.2960N	78.8453W	1	From 1992-07-08
San Lorenzo	LORV	Venezuela	9.7821N	71.0631W	0	
San Lorenzo	SLA	Salta,Argentina	24.7212S	65.5045W	1520	From 1977-02-01
SAN LORENZO 2	LOR1	Ecuador	1.0543S	80.9134W	2	From 2016-05-16
San Lorenzo a Pinaco	MZ27	Italy	42.6124N	13.2966E	1007	From 2016-10-11 to 2016-11-22
San Lorenzo Bellizzi	SALB	Italy	39.8772N	16.3459E	1200	From 2009-09-03
San Lorenzo - Cotopaxi	SLOR	Ecuador	0.7298S	78.4967W	3600	From 2015-06-16
San Lorenzo-Esmeraldas	SNLR	Ecuador	1.2926N	78.8471W	4	From 2016-03-10
San Lorenzo Flaviano	MZ06	Italy	42.6647N	13.2861E	975	From 2016-09-19 to 2016-10-26
San Luis	SLU	Arizona,U.S.A.	32.5017N	114.7770W	41	From 1973-04-16
San Luis	T24B	Colorado,U.S.A.	37.0624N	105.3817W	2625	From 2009-08-14 to 2010-04-12
San Luis Creek Check 11 ,Merced County	SCKWR	California,U.S.A.	37.1833N	121.0702W	69	From 2004-05-04
San Luis Dam	SLD	California,U.S.A.	37.0747N	121.2210W	443	From 1965-11-01
San Luis Dam	HSLM	California,U.S.A.	37.0802N	121.0940W	122	From 1974-03-02
San Luis Fatjo Ranch, Merced County	SFJWR	California,U.S.A.	37.0493N	121.1725W	427	From 2004-05-04
San Luis Gonzaga	SLGB	Baja California	29.8300N	114.4040W	15	From 2016-09-05
San Luis Potosi, SLP	CSLP	Mexico	32.5283N	115.1017W	15	
San Luis Rio Colorado	SLRCX	Sonora	32.4579N	114.7050W	51	From 2015-06-05
San Luis Ro Colorado	SLX	Sonora,Mexico	32.4560N	114.7048W	40	From 2008-10-03
San Manuel, Pangasinan, Philippines	SMPP	Luzon,Philippines	16.1503N	120.6800E	300	From 2012-09-04
San Marcial	SMNM	New Mexico,U.S.A.	33.7787N	107.0190W	1560	
San Marco di Savelli	SAVE	Italy	42.7171N	13.1360E	1113	From 2011-10-01
San Marco in Lamis (FG) Italy	OT03	Italy	41.7120N	15.6497E	655	From 2013-04-15
San Marcos	SMAM	Guerrero,Mexico	16.7855N	99.3982W		
San Marcos	SMCN	Nicaragua	11.9067N	86.2019W		From 1990-01-01
San Marcos de Tarrazu	RAZU	Costa Rica,Costa Rica	9.6590N	84.0230W	1450	
San Marino	RSM2	San Marino	43.9377N	12.4451E	645	From 2011-11-11
San Marino	ESMR	San Marino	43.9159N	12.4407E	511	From 2006-07-18
San Martn	VMM05	Colombia	7.9068N	73.5570W	86	From 2015-10-08
San Martin	MRA	San Luis,Argentina	32.4190S	65.7172W	1095	From 1983-11-01
San Martin Antarctic Base	SMAI	Antarctic Peninsula	68.1302S	67.1059W	8	From 2007-02-02
San Martn de Loba, Colombia	SMLC	Colombia	8.8010N	74.0713W	116	From 2012-10-28
SAN MARTINO	SMA1	Italy	42.6305N	13.3353E	1150	From 2009-08-13
San Martino d'Ocre	RM03	Italy	42.2743N	13.4717E	1483	From 2009-04-06 to 2009-08-31
San Martino in Pensilis (CB)	T1413	Italy	41.8520N	15.0172E	240	From 2018-08-17
San Miguel	MGUL	Ecuador	0.2587S	78.5843W	3498	
San Miguel	VSM	El Salvador	13.4281N	88.2742W	2129	
San Miguel	SMMM	Mexico D.F.,Mexico	19.7398N	98.7405W		From 1988-01-01
San Miguel	SMX	Baja California,Mexico	31.6880N	115.9040W		
San Miguel de Abona, Tenerife	CTFS	Canary Islands	28.0848N	16.6331W	521	From 2017-11-02
San Miguel Island	BSM	California,U.S.A.	34.0375N	120.3500W	172	From 1969-11-01
San Miguel Ranch, Cuba	V22A	New Mexico,U.S.A.	35.9138N	106.9094W	2164	From 2008-05-02 to 2010-04-04
San Miguel Topilejo	TLVM	Mexico D.F.	19.2098N	99.1540W	2769	
San Mina'	SMIN	Italy	38.9730N	16.2283E	540	From 2013-08-12
San Nicola dell'Alto	LADO	Italy	39.2840N	16.9795E	488	From 2008-05-10
San Nicol¡s	SNIRB	Baja California	26.5420N	111.5490W	7	From 2014-12-10
San Nicolas Island	SNC	California,U.S.A.	33.2483N	119.5230W	275	From 1957-07-24 to 1968-01-24
San Nicolas Island	SNCC	California,U.S.A.	33.2479N	119.5244W	275	From 1994-05-01
San Nicolas Island	BSN	California,U.S.A.	33.2450N	119.5070W	259	From 1970-03-01
Sannotorii	STRE	Nagano,Japan	36.4014N	138.5517E	1825	
San Onofre	SNS	California,U.S.A.	33.4322N	117.5490W	152	From 1975-01-01
San Pablo	EPAB	Spain	39.5449N	4.3499W	946	
San Pablo	ABE2	Costa Rica,Costa Rica	9.7043N	84.0540W	1942	
San Pablo	PAB	Spain	39.5458N	4.3483W	938	From 1992-10-01
San Pablo Dam	ZSP	California,U.S.A.	37.9450N	122.2570W	119	From 1978-11-03
San Pablo de Borbur, Boyac	SPBC	Colombia	5.6520N	74.0720W	799	From 2013-07-12
San Pablo Ridge	CSPM	California,U.S.A.	37.9575N	122.3110W	216	
San Pablo, S25	SCR25	Colorado	37.1236N	105.3854W	2509	
San Pablo Viejo, Chiriqui	DVD3	Panama	8.4400N	82.4520W	36	From 2010-01-01
San Pedro	U73B	Valparaiso,Chile	33.9164S	71.4198W	186	
San Pedro de Atacama	AF01	Antofagasta	22.9521S	68.1789W	2449	From 2015-06-05
San Pedro de Atacama	SPCH	Antofagasta,Chile	22.9083S	68.1994W	2455	From 2004-07-30
San Pedro de Concepcion	CCSP	Bio-Bio,Chile	36.8443S	73.1087W	35	From 2009-07-23
San Pedro Hill	SPH	California,U.S.A.	33.7467N	118.3350W	445	From 1971-07-07 to 1974-03-31
San Pedro Martir	SPIG	Sonora,Mexico	31.0458N	115.4658W	2780	
San Pedro Martir	SPX	Baja California,Mexico	31.0366N	115.4652W	2793	From 1981-10-20
San Pedro Martir, SPM	SPMC	Mexico	31.4833N	115.4550W	939	
San Pedro Poas	SPS	Costa Rica	10.0776N	84.2512W	1120	

Station Name	*Code*	*Location*	*Geographical Co-ordinates*		*Altitude m*	*Remark*
San Pedro Sula	SSU	Honduras	15.5000N	88.0500W	200	
San Pedro UASD	SPM1	Dominican Republic	18.4466N	69.3063W	11	From 2013-08-29
San Pelino (Cagnano Amiterno)	T0107	Italy	42.4726N	13.2475E	1145	From 2009-04-09
San Pietro Avellana	SPVL	Italy	41.4736N	14.1097E	984	From 2019-09-24
San Pietro in Casale	SPCA	Italia	44.7060N	11.4204E	10	From 2015-06-12
San Possidonio	CORR	Italy	44.9020N	11.0095E	12	
San Potito Sannitico (CE)	T1011	Italy	41.3596N	14.4175E	1151	From 2013-12-30 to 2014-03-03
San Quintin	SQX	Baja California	30.5762N	115.8760W	105	
San Rafael	REVN	Ecuador	0.0749S	77.6249W	2117	
San Rafael	RFA	Mendoza,Argentina	34.7708S	68.4660W	850	
San Rafael, Buenos Aires, Puntarenas	SRBA	Costa Rica	9.2321N	83.3601W	974	From 2014-05-22
San Rafael Swell	SRU	Utah,U.S.A.	39.1108N	110.5238W	1804	From 1990-11-20
San Ramn-Volc¡n Cotopaxi	SRAM	Ecuador	0.7502S	78.5669W	3073	From 2015-07-23
San Ramon	RAMO	Costa Rica,Costa Rica	10.0870N	84.4670W	1069	
San Ramon	SRA	Costa Rica	10.0825N	84.4482W	1160	From 1974-01-01
San Ramon	CRAM	California,U.S.A.	37.7672N	121.9380W	171	From 1976-09-02 to 2008-07-16
San Ramn	SRA1	Costa Rica	10.0850N	84.4800W	1101	
San Ramon, TISM	TISMR	Costa Rica	12.1128N	86.0665W	114	
Sanriku	SNI	Iwate,Japan	39.1067N	141.7580E	518	
San Roque	SRQ	Spain	36.2575N	5.3742W	202	
San Salvador	SSS	El Salvador	13.6811N	89.1981W	665	
Sansepolcro	SNS1	Italy	43.5735N	12.1312E	366	From 2015-02-02
Sansepolcro	SSP9	Italy	43.5739N	12.1314E	207	From 2010-12-15
San Sevaine	SS2	California,U.S.A.	34.2077N	117.5000W		From 1976-01-01
San Severino Marche	SSM1	Italy	43.2288N	13.1770E	240	From 2011-04-24
San Sossio Baronia	SSB3	Italy	41.0785N	15.2292E	724	
Sans Toucher	SSG	Guadeloupe,France	16.0887N	61.6788W	1210	
Santa	SZP	Luzon,Philippines	17.5510N	120.4560E	50	From 1979-04-11
Santa Ana	ANIL	Colombia	4.4910N	75.4030W	2300	
Santa Ana	SANC	California,U.S.A.	33.7053N	117.8858W	11	
Santa Ana	SANTA	Costa Rica,Costa Rica	9.9330N	84.1850W	906	
SANTA ANA	STNA	Ecuador	1.2212S	80.3433W	79	From 2016-05-17
Santa Barbara	ASTB	Jujuy,Argentina	23.9482S	64.4532W	1490	
Santa Barbara	ASBA	Azores,Portugal	38.7203N	27.3253W	675	From 1981-04-16
Santa Barbara	SBC	California,U.S.A.	34.4417N	119.7133W	90	From 1927-05-10
Santa Barbara Island	SBI	California,U.S.A.	33.4807N	119.0290W	6	
Santa Catalina Island West	CIW	California,U.S.A.	33.4653N	118.5520W	50	
Santa Caterina dello Ionio	SCAI	Italy	38.5343N	16.5177E	450	From 2017-03-24
Santa Cesarea Terme	SCTE	Italy	40.0724N	18.4675E	150	From 2006-02-02
Santa Chiara	ECHR	Sicily,Italy	37.6863N	14.9129E	1168	From 2009-02-03
Santa Clara	SCUT	Utah,U.S.A.	37.1282N	113.6447W	837	From 2008-05-01
Santa Clara	STCC	California,U.S.A.	34.3030N	119.1868W	180	
Santa Clara	EGX	Sonora,Mexico	31.7102N	114.4780W		From 1981-09-22
Santa Clara	PFSC	Portugal	37.4738N	8.4260W	218	From 1996-01-01 to 2009-05-30
Santa Clara	SCL	California,U.S.A.	37.3500N	121.9500W	28	From 1909-01-01 to 1955-12-31
Santa Clara County Offices	SCCB	California,U.S.A.	37.2874N	121.8642W	98	
Santa Coloma	SCOL	Andorra	42.4930N	1.4963E	961	From 2010-09-01
Santa Cristina (Gubbio) - PG	AT09	Italy	43.3144N	12.5405E	521	From 2010-03-31
Santa Croce Camerino	CROCE	Italy	36.8326N	14.5345E	112	From 2018-07-19
Santa Cruz	SCZP	Luzon,Philippines	15.7744N	119.9115E	69	
Santa Cruz	SCRN	Nicaragua	12.7317N	86.9383W	500	
Santa Cruz	SCZ	California,U.S.A.	36.5980N	121.4030W	261	From 1986-11-06
Santa Cruz	STCR	O'Higgins,Chile	34.6408S	71.3647W	175	
Santa Cruz	STGR	Azores,Portugal	39.0802N	28.0031W	124	From 1990-07-19
Santa Cruz	SACU	Costa Rica,Costa Rica	10.2630N	85.5840W	66	
Santa Cruz	SCA	Patagonia,Argentina	49.8333S	72.0500W		
Santa Cruz	SCC	California,U.S.A.	37.0067N	121.9970W	128	From 1961-06-11 to 1965-02-28
Santa Cruz, CA USA	HUG01	California,U.S.A.	36.9503N	122.0526W	20	From 2014-12-21
Santa Cruz Island	BSC	California,U.S.A.	33.9947N	119.6330W	457	From 1969-11-01
Santa Cruz Island 2	SCZ2	California,U.S.A.	33.9954N	119.6351W	440	From 2003-11-04
Santa Domenica Talao (CS)	T0712	Italy	39.8205N	15.8519E	248	From 2011-11-26
Santa Elena	AR5	Costa Rica	10.3414N	84.8247W	1420	
Santaella, Cordoba	E020	Spain	37.5653N	4.8445W	309	From 2007-07-05 to 2009-06-22
Santa Emilia	CNG6	Nicaragua	12.5093N	86.7112W	391	From 2004-01-01
Santa Fe	SFJM	Jalisco,Mexico	20.4865N	103.0395W	1500	
Santa Fe	PT09	Peru	11.6670S	76.1930W	5200	From 1983-08-26
Santa Fe, Veraguas	SAFE3	Panama	8.5170N	81.0780W	300	From 2010-01-01
Sant Agata di Puglia	SGTA	Italy	41.1350N	15.3650E	890	From 2006-01-18
Santa Giustina	DSGI	Italy	46.3455N	11.0628E	534	From 2016-09-05
Santa Helena	HELC	Colombia	6.1908N	75.5288W	2815	From 1994-01-01
Santa Helena	SHP	Peru	16.1972S	72.4739W	471	
Santa Isabel	ISAV	Venezuela	9.5068N	70.8563W		
Santa Isabel	ISA2	Colombia	4.8302N	75.3948W	4250	
Santa Isabel viejo, SIV	SIVMX	Baja California	31.8708N	115.8160W	1510	
Santa Julia	SJUZ	El Salvador	13.5200N	88.5335W	1024	
Sant'Alfio	ESAL	Sicily,Italy	37.7545N	15.1345E	720	From 1994-10-01
Santa Luce (PI)	A319A	Italy	43.4764N	10.5787E	342	From 2015-12-11
Santa Lucia	STL	Santiago,Chile	33.4361S	70.6411W	595	
Santa Margarita	PMGM	California,U.S.A.	35.4298N	120.5200W	529	
Santa Maria	PSMA	Azores,Portugal	36.9950N	25.1288W	123	
Santa Maria Delle Macchie	T1101	Italia	41.4746N	14.5360E	510	From 2016-01-19
Santa Maria do Tocantins	SMTB	Tocantins,Brazil	8.8617S	47.5887W	310	From 2011-09-05
Santa Maria Island	SAZ	Azores,Portugal	36.9717N	25.1683W		
Santa Marinella - RM	TO05	Italy	42.0615N	11.8646E	88	From 2008-04-28 to 2009-04-02
Santa Marta, Magdalena	SMRC	Colombia	11.1638N	74.2245W	122	From 2012-09-15
Santandra', Italy	MSTD	Italy	45.7486N	12.2003E	101	From 2010-06-08
Sant'Angelo	MZ07	Italy	42.6495N	13.3047E	1012	From 2016-09-20 to 2016-10-26
SANT' ANGELO A CUPOLO	SGC08	Italy	41.0603N	14.8152E	388	From 2014-01-01
Sant'Angelo in Pontano	SAP2	Italy	43.0967N	13.3992E	402	From 2010-09-08
Sant'Angelo In Vado	SAIV	Italy	43.6648N	12.4131E	360	From 2013-12-17
Sant Anna di Valdieri	STV	Italy	44.2455N	7.3260E	930	From 1966-01-01
Sant' Anna di Valdieri 2	STV2	Italy	44.2455N	7.3260E	930	From 1995-01-01 to 2007-12-31
Sant'Antonio	MI08	Italia	42.3574N	13.3713E	650	From 2009-04-28 to 2009-06-09
Santa Pau	NE30	Spain	42.1600N	2.6450E	245	
Santaquin	SNQU	Utah,U.S.A.	39.7947N	111.9030W	1853	From 1990-08-30
Santaquin Canyon	SUU	Utah,U.S.A.	39.8887N	111.7920W	1987	From 1974-09-01 to 1990-08-21
Santarm	PSANT	Portugal	39.2424N	8.6928W	131	From 2015-10-13
Santa Rosa	SRP	Puebla,Mexico	18.8967N	97.7800W		
Santa Rosa	NY17	Costa Rica	10.8387N	85.6180W	300	From 2005-11-01 to 2006-07-01
Santa Rosa, C13	TUC13	Nicaragua	11.9936N	83.7719W	37	
Santa Rosa del Penon, N9	TUN9	Nicaragua	12.7869N	86.3737W	166	
Santa Rosalia	SRL	Baja California,Mexico	27.3288N	112.2760W		
Santa Rosalia	SRIG	Baja California,Mexico	27.3198N	112.2410W	61	From 2008-02-20
Santa Rosalia	SRV	Venezuela	8.5480N	71.2860W	1300	
Santa Rosa Mine	SME	California,U.S.A.	33.8227N	117.3550W	494	
Santa Rosa Mountain	SMO	California,U.S.A.	33.5358N	116.4617W	0	
Sant'Arsenio	SRN3	Italy	40.4861N	15.4580E	1067	
Santa Sofia	SFI	Italy	43.9048N	11.8469E	548	From 1987-01-01
Santa Teresa de Quinhue	G08S	Maule	34.7977S	71.7007W	100	
Santa Teresa Hills	JSTM	California,U.S.A.	37.2068N	121.7970W	149	From 1975-10-02
Santa Teresa, Rocha	ROST	Uruguay	34.0010S	53.5540W	0	From 2016-06-10
Santa Teresita	RVSTA	Costa Rica,Costa Rica	9.9760N	83.6477W	853	
Santa Venerina	EVRN	Sicily,Italy	37.6887N	15.1355E	364	From 1989-04-01
Santa Ynez Peak	SYP	California,U.S.A.	34.5267N	119.9780W	1305	From 1967-06-07
Sant Celoni	CELO	Spain	41.6896N	2.4923E	150	From 2009-01-01
Sant'Elia 1	MI10	Italia	42.3368N	13.4308E	607	From 2009-04-29 to 2009-06-08
Sant'Elia a Pianisi	CIGN	Italy	41.6542N	14.9050E	350	From 2003-03-26
Santiago	SAN	Santiago,Chile	33.4531S	70.6617W	533	
Santiago	PUCM	Dominican Republic	19.4403N	70.6814W	177	From 2007-01-01
Santiago	STS	Spain	42.8860N	8.5509W	265	
Santiago	STAG	Cape Verde Islands	15.0922N	23.7487W	325	
Santiago, Achada Fazenda	CVST5	Cape Verde Islands	15.1186N	23.5200W	26	From 2007-12-01 to 2008-09-01
Santiago aeropuerto	SC02	Dominican Republic	19.4027N	70.6047W	196	From 2011-06-18
Santiago, Assomada	CVST3	Cape Verde Islands	15.0983N	23.6659W	556	From 2007-12-01 to 2008-09-01
Santiago de Compostela	NE26	Spain	42.8860N	8.5520W	245	
Santiago de los Caballeros	SC01	Dominican Republic	19.4272N	70.7277W	229	From 2012-03-14
Santiago del Teide	TSTE	Canary Islands	28.3102N	16.7983W	1061	From 2016-07-07
Santiago de Maria	SDMZ	El Salvador	13.4738N	88.4847W	900	
Santiago Espada	SESP	Spain	38.1200N	2.5452W	1528	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Santiago Estero	SDE	Santiago del Estero,Argentina	27.8217S	64.2450W	177	
Santiago Island	SACV	Cape Verde Islands	14.9702N	23.6085W	387	
Santiago Maria	SDM	El Salvador	13.4861N	88.4706W	905	
Santiago Niltepec	NILT	Oaxaca	16.5650N	94.6168W	65	
Santiago, Ribeira da Prata	CVST4	Cape Verde Islands	15.2299N	23.7426W	27	From 2007-12-01 to 2008-09-01
Santiago, Ribeirao Chiqueiro	CVST1	Cape Verde Islands	15.0150N	23.5251W	184	From 2007-12-01 to 2008-09-01
Santiago, Sao Jorge dos Orgaos	CVST2	Cape Verde Islands	15.0525N	23.6041W	322	From 2007-12-01 to 2008-09-01
Santiago, Veraguas	STIA3	Panama	8.0990N	80.9720W	150	From 2010-01-01
Santiaguito	SOG	Guatemala	14.7763N	91.5877W	2950	From 1984-02-01
Santiaguito 2	SOG2	Guatemala	14.7172N	91.5703W	1560	From 1987-01-01
Santiaguito 3, El Palmar	STG3	Guatemala	14.7108N	91.5703W	1580	
Santiao Chiao	TWB1	Taiwan region	25.0083N	121.9883E	20	From 1984-04-06
Santillana del Mar (Cantabria)	ALT03	Spain	43.3754N	4.1224W	141	From 2019-02-19
Santillana del Mar (Cantabria)	ALT01	Spain	43.3767N	4.1197W	149	From 2019-02-20
Santillana del Mar (Cantabria)	ALT02	Spain	43.3774N	4.1190W	149	From 2019-02-19
Santo Amaro	PAMA	Azores,Portugal	38.6797N	28.1798W	388	From 2005-08-01
Santo Ant£o	SAAJ	Cape Verde Islands	17.0900N	25.0240W	1209	
Santo Ant£o	SACO	Cape Verde Islands	16.9755N	25.1752W	366	
Santo Ant£o	SATA	Cape Verde Islands	17.0398N	25.2587W	1496	
Santo Antao, Boca de Curral	CVSA3	Cape Verde Islands	17.1647N	25.0973W	106	From 2007-12-01 to 2008-09-01
Santo Antao, Leiro	CVSA5	Cape Verde Islands	17.0208N	25.1670W	349	From 2007-12-01 to 2008-09-01
Santo Antao, Paul	CVSA1	Cape Verde Islands	17.1328N	25.0427W	292	From 2007-12-01 to 2008-09-01
Santo Antao, Ponta do Sol	CVSA2	Cape Verde Islands	17.2023N	25.0928W	18	From 2007-12-01 to 2008-09-01
Santo Antao, Ribeira da Cruz	CVSA4	Cape Verde Islands	17.1062N	25.2434W	303	From 2007-12-01 to 2008-09-01
Santo Ant£o, SAMO	SAAO	Cape Verde Islands	17.0900N	25.1755W	1773	
Santo Antao, Tarrafal de Monte Trigo	CVSA6	Cape Verde Islands	16.9569N	25.3100W	15	From 2007-12-01 to 2008-09-01
Santo Antonio	PSAN	Azores,Portugal	37.8512N	25.7259W	395	From 2004-07-01
Santo Antonio do Leverger, MT	SALV	Mato Grosso,Brazil	15.9012S	55.6936W	213	From 2012-06-01
Santo Domingo	VA05	Valparaso,Chile	33.6571S	71.6143W	80	From 2014-10-22
Santo Domingo	STDO	Dominican Republic	18.4506N	69.9264W	12	
Santo Domingo	DOMI	Costa Rica,Costa Rica	9.9820N	84.0910W	1204	
Santo Domingo	SDD	Dominican Republic	18.4579N	69.9134W	10	
Santo Domingo	SDV	Venezuela	8.8861N	70.6333W	1580	From 1975-06-01
Santo Domingo	ASDO	Ecuador	0.2625S	79.1238W	615	From 2010-08-03
Santoft	WSFZ	North Island,New Zealand	40.1158S	175.2028E	25	From 1982-10-14 to 1982-10-15
Santoft	WSNZ	North Island,New Zealand	40.1088S	175.1888E	25	From 1982-10-15 to 1982-10-24
San Tomasso	MZ05	Italy	42.6828N	13.2856E	1062	From 2016-09-19 to 2016-10-26
Santorini	SANT	Greece	36.3710N	25.4590E	540	
Santorini-Akrotiri	SAP1	Greece	36.3579N	25.3957E	151	From 2011-06-24
Santorini-Faros Akrotiriou	THR9	Greece	36.3577N	25.3569E	54	From 2011-12-13
Santorini-Monolithos	THR8	Greece	36.4070N	25.4788E	30	From 2011-05-27
Santorini-Oia	SAP4	Greece	36.4734N	25.3724E	56	From 2011-06-24
Santorini-Thirassia	SAP3	Greece	36.4356N	25.3454E	205	From 2011-06-23
San Vicente	SV2X	Baja California	31.3398N	116.2380W	148	From 2016-02-12
San Vicente	SVX	Baja California	31.3271N	116.2510W	117	From 2015-10-20
San Vicente	SNVI	El Salvador	13.6125N	88.8388W	1312	
San Vicente, B1	TUB1	Nicaragua	12.6321N	86.0213W	434	
San Vito	VITO	Costa Rica,Costa Rica	8.8190N	82.9700W	994	
San Vito	EDSV	Costa Rica	8.8200N	82.9720W	1024	
San Vito de Coto Brus	SVTC	Costa Rica	8.7853N	82.9587W	1227	From 2005-03-15
San Vittorino	T0102	Italy	42.3967N	13.3139E	707	From 2009-04-06 to 2009-09-01
Sanyi	NSY	Taiwan region	24.4160N	120.7610E	311	
San Ysidro	SYS	California,U.S.A.	32.5797N	116.9115W	277	
San Zeno di Montagna	ZEN8	Italy	45.6378N	10.7319E	596	From 2006-06-30
San Zeno Di Montagna	VRZA	Italy	45.6257N	10.7176E	550	From 2001-01-01
Sao Bartolomeu	PFSB	Portugal	37.2492N	8.3262W	171	From 1996-01-01 to 2009-05-30
So Bento	PSBE	Portugal	39.5142N	8.7955W	510	From 2014-03-10
Sao Brissos	EVOP	Portugal	38.5280N	8.1236W	93	From 1997-06-01
SAO DESIDERIO	SDBA	Bahia,Brazil	12.4085S	44.9030W	623	From 2013-11-10
Sao Gabriel da Cachoeira	SGC2	Amazonas	0.1514S	66.9776W	80	From 2018-10-10
S£o Gabriel da Cachoeira, AM	SGCB	Amazonas	0.1223S	67.0306W	70	From 2016-10-03
Sao Joao Batista-SC	MAJ01	Parana,Brazil	27.3972S	49.0118W	344	From 2011-01-30
Sao Joao De Manteninha	SJMB	Minas Gerais,Brazil	18.7032S	41.1848W	234	
Sao Joao Dos Patos	BESB	Maranhao,Brazil	6.6569S	43.5586W	245	From 2009-07-01
Sao Joaquim do Monte	AGBR	Pernambuco,Brazil	8.4295S	35.8361W	470	From 2007-01-01
Sao Miguel do Araguaia, GO, Brazil	SMAG	Goias	13.1713S	50.1311W	388	From 2017-05-12
So Miguel do Araguaia, GO, Brazil	RET8	Goias,Brazil	12.9728S	50.0986W	264	From 2008-07-17 to 2011-10-28
Sao Nicolau, Faja de Baixo	CVSN1	Cape Verde Islands	16.6497N	24.3205W	237	From 2007-12-01 to 2008-09-01
Sao Nicolau, Juncalinho	CVSN4	Cape Verde Islands	16.6135N	24.1318W	24	From 2007-12-01 to 2008-09-01
Sao Nicolau, Palhal	CVSN2	Cape Verde Islands	16.6219N	24.3465W	1028	From 2007-12-01 to 2008-09-01
Sao Nicolau, Ribeira Brava	CVSN3	Cape Verde Islands	16.6199N	24.2929W	124	From 2007-12-01 to 2008-09-01
Sao Paulo	SPB	Brazil	23.5920S	47.4320W	85	
Saorge	SAOF	Provence-Cote d'Azur,France	43.9863N	7.5553E	600	
S£o Roque	PROQ	Azores	38.5244N	28.3207W	41	From 2016-04-08
Sao Roque de Minas	CANS	Minas Gerais	20.2896S	46.3921W	1048	From 2019-05-10
Sao Salvador	SSV2	Goias,Brazil	12.8507S	48.2143W	315	From 2008-01-01
Sao Teotonio	PTEO	Portugal	37.5456N	8.7242W	119	From 1993-08-03
Sao Vicente, Baia das Gatas	CVSV1	Cape Verde Islands	16.8864N	24.9228W	52	From 2007-12-01 to 2008-09-01
Sao Vicente, Calhau	CVSV4	Cape Verde Islands	16.8464N	24.8741W	9	From 2007-12-01 to 2008-09-01
Sao Vicente, Lazareto	CVSV2	Cape Verde Islands	16.8748N	25.0198W	22	From 2007-12-01 to 2008-09-01
Sao Vicente, Sao Pedro	CVSV3	Cape Verde Islands	16.8518N	25.0361W	70	From 2007-12-01 to 2008-09-01
Sa-pa	SPV	Vietnam	22.3383N	103.8352E	1150	From 1961-01-01
Sapa ata, Niuas	NIFO	Tonga	15.5711S	175.6295W	43	
Sapanca-Adapazari	SPNC	Turkey	40.6860N	30.3083E	190	From 2008-06-27
Saphane-Kutahya	SHAP	Turkey	39.0230N	29.2220E	1056	From 2012-05-09
Sappes Rodopi	SPP1	Greece	41.0225N	25.7014E	128	From 2011-07-01
Sapporo	SAP	Ishikari,Japan	43.0583N	141.3320E	17	
Sapulut	SPMM	Sabah	4.7083N	116.4650E	365	
Saqqaq	SAQQ	Greenland	70.0100N	51.9500W	0	From 2019-08-20
Saqqara	SQR	Egypt	29.8813N	31.1959E	110	
Sarab	ISRB	Iran	37.8250N	47.6667E	1950	From 1995-08-01
Sarahart	SRRS	Armenia	40.8683N	44.2217E	1675	
Sarajevo	SAR	Bosnia and Herzegovina	43.8733N	18.4283E	725	
Sarakhs	SRKH	Iran	36.5266N	61.1483E	276	From 2012-03-20
Sarakhs	SRMB	Iran	36.5200N	61.1500E	0	
Saraland	347A	Mississippi,U.S.A.	31.4017N	88.5412W	40	From 2011-03-19 to 2012-12-15
Saramarca	PP04	Peru	14.4855S	75.0915W	750	
Sarand del Y Durazno	SDYD	Uruguay	33.3150S	55.6000W	0	From 2015-01-22
Sarande	SRN	Albania	39.8800N	20.0005E	60	
Sarany	PR7R	Permskiy Kray,Russia	58.5518N	58.7598E	440	From 2013-11-26
Saraoutou	SANVU	Vanuatu,Vanuatu	15.4472S	167.2032E	56	From 2011-11-01
Sarapat	SATK	Armenia	40.9433N	44.0500E	2120	
Sarapiqu	SARA	Costa Rica,Costa Rica	10.4520N	84.0210W	48	
Sarat Abidah	SRAT	Saudi Arabia	18.0390N	43.1620E	2300	From 1990-06-13
Saratoga Golf Course	JSGM	California,U.S.A.	37.2827N	122.0500W		
Saratoga Golf Course	SGC	California,U.S.A.	37.2827N	122.0500W	198	
Saratov	SARR	Saratovskaya Oblast',Russia	51.3885N	45.2865E	161	From 2005-11-15
Saratovka	SRTK	Armenia	41.0662N	44.3221E	1474	
Saravan	SRVN	Iran	27.4034N	62.3982E	1352	From 2015-04-15
Sarbogard	PKS8	Hungary	46.8787N	18.6765E	135	
Sarchi	SARCI	Costa Rica,Costa Rica	10.0900N	84.3460W	974	
Sarcpa Lake, Nunavut	SRLN	Northwest Territories,Canada	68.5513N	83.3238W	261	From 2005-08-21
SarD1z-Kayseri	SARI	Turkey	38.4072N	36.4182E	1673	From 2007-08-03
SARDASHT	SRSL	Iran	36.2123N	45.4339E	1745	From 2017-12-25
Sardasht. Az. Gharbi.	SDS1	Iran	36.1492N	45.4858E	1591	From 2017-05-15
Sardoal	PSARD	Portugal	39.6003N	8.1623W	422	From 2019-05-30
Sareghieh	HSRG	Iran	35.2418N	48.2787E	2544	From 2013-01-01
Sareki	SRKG	Georgia,Georgia	42.3241N	43.3529E	485	From 2013-03-22
Sarezzano	SARZ	Italy	44.8671N	8.9091E	270	From 2015-12-11
Sarfartoq 1, Greenland	SA1G	Greenland	66.1910N	50.6900W	1100	
Sarfartoq 2, Greenland	SA2G	Greenland	66.3270N	51.2860W	1100	
Sarfartoq 3, Greenland	SA3G	Greenland	66.4399N	51.8603W	1150	
Sarfartoq 4, Greenland	SA4G	Greenland	66.5910N	52.4280W	900	
Sargents, N29	NCR29	Colorado	38.3990N	106.4771W	2581	
Sarghaua, Vandra	EE08	Estonia	58.6572N	25.2403E	37	From 2017-04-05
Sargodha	SARP	Pakistan	31.9215N	72.6718E	183	
Saricakaya, Eskisehir	SRCK	Turkey	40.0417N	30.6259E	331	From 2013-03-15
Sarigan	SARN	Mariana Islands	16.7002N	145.7795E	451	
Sariwon	SRW	Democratic People's Republic of Korea	38.5007N	125.7497E	30	From 1978-01-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Sarkisla-SIVAS	CUSAR	Turkey	39.4185N	36.2444E	1458	From 2010-07-07
Sarkoy-Tekirdag	RKY	Turkey	40.6875N	27.1777E	687	From 2005-05-24
Sarmi	SMPI	Irian Jaya,Indonesia	1.9900S	138.7100E	0	From 2007-12-01
Sarnano	SRNA	Italy	43.0357N	13.3008E	519	From 2019-05-30
Sarnen Kantonsschule	SARK	Switzerland	46.8914N	8.2432E	471	From 2012-05-30
SARO	CSARO	Costa Rica	10.8390N	85.6094W	30	From 2000-01-20 to 2000-06-19
Sarria	EXSA	Spain	42.7760N	7.4190W	504	
Sarsar	RSA	Morocco	34.8840N	5.8210W	660	
Sarti	SAR1	Greece	40.0966N	23.9783E	25	From 2008-09-30
Sart'ichala	SRCG	Georgia,Georgia	41.7000N	45.1600E	700	
Sart Tilman	BSTI	Belgium	50.5835N	5.5667E	226	From 1985-10-04
Sarutani	SRT	Nara,Japan	34.1761N	135.7450E	440	From 1960-05-01
S¸rv¥gen	N2SV	Norway	67.8913N	13.0098E	21	From 2013-08-01 to 2016-05-30
Sarvestan	ISRV	Iran	29.3817N	53.1133E	2688	From 2002-10-01
Sasagawa	JNS	Niigata,Japan	37.8183N	139.3172E	145	
Sa Scrocca - Sant'Antioco (CI)	SU09	Sardinia	39.0821N	8.4211E	96	From 2014-10-25 to 2015-08-31
Saskatoon	SAS	Saskatchewan,Canada	52.1333N	106.6330W	515	From 1915-01-01 to 1960-04-01
Sassa	SASS	Italy	43.2580N	10.6898E	438	From 2010-05-17
SASSINORO	SAS10	Italia	41.3735N	14.6645E	545	From 2016-10-02
Sassocorvaro	SSCV	Italy	43.7798N	12.4975E	331	From 2013-12-04
Sasso d'Italia	SSO	Italy	43.2930N	13.4200E	302	From 1987-05-01
Sassorosso	SARO	Italy	44.1840N	10.4010E	1065	From 1992-05-01 to 2009-09-30
Sasuli, VAVUN	VVAVU	Vanuatu	15.6427S	167.1310E	24	
Sasyr	SSYS	Sakha,Russia	65.1580N	147.0750E	580	From 1986-09-01
Satah River	G31M	Yukon Territories,Canada	66.9227N	134.2708W	61	From 2017-08-22
Satara	STA	Maharashtra,India	17.6950N	74.0000E	665	
Satriano di Lucania, Italy	STN3	Italy	40.5300N	15.6515E	832	From 2006-02-24
Saturna Island	SNB	British Columbia,Canada	48.7750N	123.1710W	405	From 1981-01-28
Saturnia	TSUT	Italy	42.6878N	11.4961E	249	From 2009-09-20
Saty	SATY	Kazakhstan	43.0590N	78.4060E	1400	From 1988-09-01
Saucer Basin, Paradox Valley	PV12	Colorado,U.S.A.	38.3175N	108.8023W	2092	
Sault Sainte Marie	SL-ON	Ontario,Canada	46.6372N	84.3506W	335	
Sault Ste Marie	E46A	Michigan,U.S.A.	46.3665N	84.3062W	269	From 2012-11-12 to 2013-11-26
Sault Ste Marie	SL-	Ontario,Canada	46.6372N	84.3506W	335	
Sault St. Marie	D46A	Ontario,Canada	46.8910N	84.0357W	353	From 2012-10-23
Saumlaki	SAUI	Moluccas,Indonesia	7.9826S	131.2998E	110	From 2007-08-24
Saumlaki	SLKI	Moluccas,Indonesia	7.9817S	131.2980E		
Saurbar	ISAU	Iceland	63.9900N	20.4150W	74	From 1989-12-12
Sauteurs	GRHS	Grenada	12.2239N	61.6413W	66	
Sauzal	U63S	Maule	35.7253S	72.1297W	181	
SAV	CSAV	Costa Rica	9.4580N	83.9762W	193	From 2002-10-01 to 2003-03-15
Savage	C24A	Montana,U.S.A.	47.5302N	104.4252W	713	From 2008-09-18 to 2011-01-13
Savage River	SVR	Tasmania,Australia	41.4667S	145.2170E		
Savane Anatole	SVN	Martinique,France	14.8417N	61.1678W	510	
Savannah	SAV	Tasmania,Australia	41.7208S	147.1890E	180	From 1961-01-01
Savannah River	SRPN	South Carolina,U.S.A.	33.3289N	81.5889W	94	
Savannah River	SRPW	South Carolina,U.S.A.	33.2022N	81.5781W	77	From 1976-08-06
Savannah River	SRPD	South Carolina,U.S.A.	33.1550N	81.7125W	31	
Savegre Abajo, SVA	CSVA	Costa Rica	9.4418N	83.8467W	736	From 2002-10-01 to 2003-03-15
Savo	SVO	Solomon Islands,Papua New Guinea	9.1500S	159.8150E	87	From 1980-06-01 to 1983-01-27
Savo Central	SAVO	Solomon Islands	9.1487S	159.8134E	281	From 2018-10-30
Savonnieres en Perthois	SAVF	Champagne-Ardenne,France	48.6152N	5.1241E	250	From 2014-12-16
Savoonga	SVGA	Alaska,U.S.A.	63.6950N	170.4800W	15	From 1977-08-18
Savoonga	SOV	Alaska,U.S.A.	63.6465N	170.4490W	198	From 1976-01-01 to 1983-01-01
Savuti	SVT1	Botswana	18.5820S	24.0720E	940	From 2001-01-01 to 2100-12-31
Sawahan	SJI	Jawa,Indonesia	7.7349S	111.7669E	723	
Sawahan-Nganjuk, JISNET	SNJI	Jawa,Indonesia	7.7808S	111.7591E	1341	From 2009-01-01
Sawauchi	SAH	Iwate,Japan	39.4033N	140.7720E		
Sawbill Land. Superior Nat. Forest USFS	C38A	Minnesota,U.S.A.	47.7171N	91.2732W	498	From 2010-09-18 to 2012-08-16
Sawmill	SWM	California,U.S.A.	34.7183N	118.5820W	1220	From 1966-03-07
Sawmill	SML	Alaska,U.S.A.	61.8070N	148.3318W	847	From 1999-11-07
Sawmill Road	JSMM	California,U.S.A.	37.2123N	122.1680W	262	From 1971-07-14
Sawyerville	MLAL	Alabama,U.S.A.	32.7055N	87.6936W	55	
Sayfiye	SAY	Turkey	40.1167N	29.3345E	850	From 1993-01-01
Sayler Ranch, Douglas	C27A	North Dakota,U.S.A.	47.7139N	101.5029W	602	From 2009-07-22 to 2011-06-11
Say'un	SYON	Yemen	15.9417N	48.7833E	0	
Sazli	RFT1	Turkey	39.5332N	26.4413E	298	From 2017-06-16
S.Benedetto Po	SBPO	Italy	45.0511N	10.9199E	10	From 2005-06-20
SBL	CSBL	Costa Rica	9.4305N	84.0593W	56	From 2002-10-01 to 2003-03-15
S Black Range	SBR	New South Wales,Australia	35.4250S	149.5330E	1265	From 1976-12-01
S. Brethren Rd., Cushing	OK031	Oklahoma,U.S.A.	35.9531N	96.8391W	290	From 2014-10-15
Scaffel	CSF	England,United Kingdom	54.4478N	3.2430W	540	
Scai (Agriturismo Narcisi)	MZ17	Italy	42.6000N	13.2321E	987	From 2016-09-27 to 2016-10-26
Scai alta	MZ18	Italy	42.5987N	13.2298E	1001	From 2016-09-27 to 2016-10-26
Scanlan Farm, Eyota	I38A	Minnesota,U.S.A.	44.0405N	92.3306W	390	From 2010-10-08 to 2012-09-08
Scanteiesti	SCTR	Romania	45.6741N	27.9949E	181	From 2015-07-23
Scarborough	SCB	Ontario,Canada	43.7167N	79.2333W	153	From 1962-05-23 to 1974-12-31
Scarperia	SEI	Italy	44.0544N	11.3564E	610	
SCE Magundon Plant	MAGC	California,U.S.A.	35.3616N	118.9228W	135	
Schaffhausen-Ebnat	SCHE	Switzerland	47.7117N	8.6526E	476	From 2001-06-12
Schaffhausen, Spital	SCHS	Switzerland	47.7115N	8.6365E	517	From 2011-05-01
Schaffner Ranch	SNR	California,U.S.A.	32.8618N	115.4370W	-29	From 1973-04-16
Scheelite	SCHCA	California,U.S.A.	37.3591N	118.6889W	2346	
Schefferville	SV3QB	Quebec,Canada	54.8108N	66.7500W	579	
Schefferville	SV3	Quebec,Canada	54.8108N	66.7500W	579	
Schefferville	SV2QB	Quebec,Canada	54.8150N	66.7586W	594	From 1964-09-20 to 1965-07-23
Schefferville	SCHQ	Quebec,Canada	54.8319N	66.8336W	501	From 1994-12-20
Schefferville	SV2	Quebec,Canada	54.8150N	66.7586W	594	From 1964-09-20 to 1965-07-23
Schefferville	SCH	Quebec,Canada	54.8167N	66.7833W	540	From 1962-07-11 to 1994-12-12
Scheggia e Pascelupo	ATSC	Italy	43.4240N	12.6864E	900	From 2012-11-29
Schela	SCHLR	Romania	45.4702N	27.8314E	81	From 2017-11-01
Schela	SCHL	Romania	45.5007N	27.8302E	52	From 2014-04-08
Scherman	SRMY	New York,U.S.A.	41.2283N	73.0139W	165	
Schinveld	SCHN	Netherlands	50.9842N	6.0195E	57	
S. Chirico Raparo	SCHR	Italy	40.1992N	16.0759E	968	From 2003-12-05
Schitu	SCHRR	Romania	44.1345N	25.8292E	128	From 1997-09-29
Schlatt-Haslen	SGT04	Switzerland	47.3484N	9.3490E	987	From 2012-01-15
Schlegeis	SCE	Austria	47.0386N	11.7103E	1737	
Schleitheim	SLE	Switzerland	47.7645N	8.4924E	648	From 1985-12-04
Schloss Buerresheim	BHE	Rheinland-Pfalz,Germany	50.3529N	7.1796E	290	From 2006-01-01
Schloss Moritzburg Zeitz	ZEITZ	Thuringen	51.0507N	12.1260E	158	From 2014-11-26
Schloss Sandsee - Pleinfeld	A369A	Germany	49.1160N	11.0216E	486	From 2015-12-01
Schmida	A005A	Austria	48.3784N	16.1207E	176	From 2015-03-25 to 2016-05-25
Schmiedefeld	SCHD	Thuringen,Germany	50.5351N	11.2121E	761	From 2008-05-20
Schmieheim	A122A	Germany	48.2785N	7.8678E	282	From 2016-02-22
SCHO	SCHO	Bolivia	19.1480S	64.6446W	2591	From 1994-05-30 to 1995-08-08
Schoenbrunner Berg-Wunsiedel	MSBB	Bayern,Germany	50.0314N	11.9728E	622	From 2001-04-10
Schoenfels	SCHF	Sachsen,Germany	50.6772N	12.4031E	435	From 2007-06-14
School, Casa de Jesus	CASAE	Ethiopia,Ethiopia	13.5661N	36.9665E	805	From 2014-04-05 to 2015-02-11
School, Chagni	CHGE	Ethiopia,Ethiopia	10.9614N	36.5184E	1687	From 2014-04-02 to 2017-12-01
School, Debre Tabor	TABO	Ethiopia,Ethiopia	11.8548N	38.0190E	2688	From 2014-04-08 to 2014-06-01
School, Debre Zeif	DEBR	Ethiopia,Ethiopia	10.6349N	35.6623E	2519	From 2014-04-01 to 2017-12-01
School, Dubaba	MELAE	Ethiopia,Ethiopia	12.3962N	35.9600E	663	From 2014-04-16 to 2017-12-01
School, Haroo	HARO	Ethiopia,Ethiopia	9.8474N	36.3099E	2042	From 2014-03-20 to 2017-12-01
School, Kiremu	KIRE	Ethiopia,Ethiopia	9.9571N	36.8687E	2170	From 2014-03-19 to 2017-12-01
School, Shinfa	MDBA	Ethiopia,Ethiopia	12.5747N	36.1358E	620	From 2014-04-07 to 2014-04-16
School, W of Chirchemesc	CHRH	Ethiopia,Ethiopia	12.5640N	36.4008E	719	From 2014-04-08 to 2014-04-15
Schriesheim-Wilhelmstollen	SWS	Baden-Wurttemberg,Germany	49.4843N	8.7008E	223	From 2000-01-01 to 2016-12-31
Schrozberg	A118A	Germany	49.3542N	9.9699E	453	From 2015-11-03
Schuetzenmatte (BS)	MATTE	Switzerland	47.5514N	7.5694E	-274	From 2006-10-01
Schuinsdraai Nature Reserve,Limpopo Province	SCHUN	South Africa	24.8255S	29.3610E	933	From 2017-07-24
Schurz	Q07A	Nevada,U.S.A.	38.9383N	118.8078W	1275	From 2006-02-27 to 2008-03-13
Schuyler	SU-VA	Virginia,U.S.A.	37.7597N	78.7267W	165	From 1965-06-19 to 1965-07-23
Schuyler	SU-	Virginia,U.S.A.	37.7597N	78.7267W	165	From 1965-06-19 to 1965-07-23
Schwarzleotal - Leogang	LESA	Austria	47.4243N	12.6770E	1029	From 2017-07-03
Schweizer	SWZ	Transvaal,South Africa	27.1823S	25.3317E	1342	
Schweizerhalle, Novartis	SSCN	Switzerland	47.5316N	7.6697E	268	From 2014-08-15
Schwyz, Kantonsschule Kollegium, SZ	SWYZ	Switzerland	47.0237N	8.6526E	544	From 2018-07-05
Sciacca	SCIAC	Italy	37.5164N	13.1019E	180	From 2019-02-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Sciara	SCIAR	Italy	37.9406N	13.7493E	490	From 2018-12-28
Scilla	SCLL	Sicily,Italy	38.2563N	15.7143E	81	
Scilla	SICLA	Italy	38.2564N	15.7146E	8	From 2018-10-08
Scilla	MSCL	Italy	38.2320N	15.7900E	835	From 1993-12-01
Scipio Center	K57A	New York,U.S.A.	42.7313N	76.5163W	408	From 2013-08-21
Scobie Ranch	PSRM	California,U.S.A.	35.8578N	120.2800W	552	
Scoppito	RM06	Italy	42.3775N	13.2438E	848	From 2009-04-06 to 2009-09-01
Scorciavacca	ESCV	Sicily,Italy	37.7470N	14.8153E	615	From 1989-04-01
Scoresbysund	SCO	Greenland	70.4833N	21.9500W	69	
Scott Base	SBA	Victoria Land	77.8503S	166.7560E	38	From 1957-03-01
Scott Mountain	VSCM	Oregon,U.S.A.	43.3725N	123.0630W	1295	
Scott Ranch	STTC	California,U.S.A.	34.7885N	118.4620W	829	
Scott's Head	DSHT	Dominica	15.2136N	61.3737W	133	
Scotts Head	DSC	Dominica	15.2084N	61.3652W	50	
Scotts Peak	SPK	Tasmania,Australia	43.0383S	146.2750E	425	From 1972-07-01 to 2009-09-03
Scotty Lake	SCT	Alaska,U.S.A.	62.3192N	150.2970W	140	From 1971-08-01 to 1975-06-30
Scourie	RSC	Scotland,United Kingdom	58.3485N	5.1684W	60	From 1995-09-10
Scoval	KSK	Scotland,United Kingdom	57.4653N	6.7020W	250	From 1989-01-01
Scranton	Y58A	South Carolina,U.S.A.	33.9057N	79.6665W	19	From 2013-02-22
Scrawed	SRDI	Jawa,Indonesia	8.4794S	114.1420E	290	From 1991-01-01
S. Croce Del Sannio	SACR	Italy	41.3974N	14.7057E	859	From 2004-06-08
Scrubby Hill	SYZ	South Island,New Zealand	46.5369S	169.1388E	52	From 2006-05-05
Scullys Gap (BLM), Evanston	M17A	Wyoming,U.S.A.	41.4729N	110.6664W	2101	From 2007-10-31 to 2009-10-17
Scuol-Clozza	SCUC	Switzerland	46.7980N	10.3038E	1230	From 1992-08-26
Scurtabo	SC2M	Italy	44.4043N	9.5343E	664	From 2005-01-01 to 2012-03-13
SCY	CSCY	Costa Rica	9.6182N	84.1287W	1471	From 2002-10-01 to 2003-03-15
Scyscraper	SCRP	Turkey	40.8653N	28.9918E	39	From 2006-09-26
Sdr. Stenderup	SSRD	Denmark	55.4800N	9.6300E	32	From 2015-12-08
Seabrook	SBK	South Carolina,U.S.A.	32.5655N	80.1802W	-59	
Seaman Range	SRG	Nevada,U.S.A.	37.8822N	115.0680W	1645	
Searcy	SEAR	Arkansas,U.S.A.	35.2547N	91.7147W	0	
Sears Point	SNT	California,U.S.A.	38.1827N	122.4530W	88	
Seaside	F03A	Oregon,U.S.A.	45.9306N	123.5591W	324	From 2005-11-08 to 2008-11-12
Seaside	B022	Oregon,U.S.A.	45.9546N	123.9310W	-201	
Seaside SMO	SEAS	Oregon,U.S.A.	45.9974N	123.9258W	5	From 2004-01-30
Seatoun	STN	North Island,New Zealand	41.3250S	174.8319E	3	From 1931-01-01 to 1933-03-31
Seattle	STT	Washington,U.S.A.	47.4228N	122.3140W		From 1964-04-01 to 1976-04-30
Seattle	SEA	Washington,U.S.A.	47.6550N	122.3080W	30	From 1906-01-01
Sebes	SBE	Romania	45.5964N	23.6186E	0	
Seborga	NEGI	Italy	43.8477N	7.7038E	640	From 1996-03-01
Sechelt	SHB	British Columbia,Canada	49.5972N	123.8750W	1143	
Secondary School, Merto Lemorgan	MERTO	Ethiopia,Ethiopia	10.8764N	38.2665E	2681	From 2015-02-16 to 2017-12-01
Second Sedna Site,Hudson Bay	JOSN	Nunavut,Canada	63.1622N	91.5420W	295	From 2006-08-25 to 2010-08-02
Sedan	SDAN	South Australia,Australia	34.5073S	139.3381E	134	
Sedefadasi Cinnet	SEDF	Turkey	40.8483N	29.1433E	0	From 2009-01-01
Sede Social del IESS - Quito	IESS	Ecuador	0.1756S	78.4910W	2828	
Sedlovina	SDLR	Kamchatskaya Oblast',Russia	53.2781N	158.8840E	1235	
Sedrio (Vezzano sul Crostolo) - RE	RE04	Italy	44.6083N	10.5205E	255	From 2008-12-28 to 2009-02-12
See Canyon	PSEM	California,U.S.A.	35.2452N	120.7650W	201	
Seeheim	KETSN	Namibia	26.8412S	17.9436E	1096	
Seeley Lake	SLMT	Montana,U.S.A.	47.2418N	113.4935W	1701	
Seerau	GOR6	Germany	53.0040N	11.1735E	-285	From 2014-01-17
Seetaler Alpe, Styria	SESA	Austria	47.1132N	14.5668E	1972	From 2019-07-24
Sefi@18d Ru@18d	SEF	Iran	36.7583N	49.3833E	243	
Sefi@18d Ru@18d	SRI	Iran	36.7583N	49.3833E	243	
Sefidab	ISFB	Iran	34.3518N	52.2406E	948	From 1996-01-01
Sefro	SEF1	Italy	43.1468N	12.9476E	512	From 2011-03-21
Segre	SGR	Pays de la Loire,France	47.7094N	0.9230W	90	From 1973-01-01
Sehore	SEH	Madhya Pradesh,India	23.1667N	77.0833E		
Seigler Mountain	GSGM	California,U.S.A.	38.8667N	122.7100W		From 1974-07-02
Sejong Station	SEJ	South Shetland Islands	62.2208S	58.7528W	18	
Sekisonzan	SSZ	Nagano,Japan	36.3867N	138.5208E	1869	
Sekoma	SKOMA	Botswana	24.5153S	23.9328E	980	
Sekot	SEKE	Ethiopia	12.6217N	39.0334E	2264	
Sela	SELA	Greece	38.2756N	21.8926E	611	From 2006-07-28
Selawik	F18K	Alaska,U.S.A.	66.6001N	159.6514W	27	From 2017-07-27
Selb-Vielitz	VIEL	Bayern,Germany	50.1856N	12.1028E	670	From 1996-03-19
Selden	P30A	Kansas,U.S.A.	39.5442N	100.2468W	788	From 2009-05-15 to 2011-04-03
Seldovia	SLV	Alaska,U.S.A.	59.4713N	151.5810W	91	
Seldovia	XLV	Alaska,U.S.A.	59.4547N	151.7220W	380	From 1987-01-01
Seligman	W14A	Arizona,U.S.A.	35.2127N	113.0834W	1756	From 2006-03-10 to 2008-10-20
Seligman	SG-	Arizona,U.S.A.	35.6408N	113.2608W	1676	From 1964-04-06 to 1965-10-04
Seligman	SG-AZ	Arizona,U.S.A.	35.6408N	113.2608W	1676	From 1964-04-06 to 1965-10-04
Selimiye	SLMY	Turkey	40.5168N	28.9865E	665	From 2007-05-10
Seli, N022	N022M	Greece	40.5564N	22.0627E	1104	
Selinda	SLIND	Botswana	18.6208S	23.5005E	961	
Sellapark	SLPK	England,United Kingdom	54.4336N	3.4885W	50	From 2004-07-01
Selova	SELS	Serbia	43.2195N	21.1190E	543	From 2002-05-21
Selva	ESEL	Balearic Islands,Spain	39.7682N	2.8943E	231	From 1988-07-01
Selvarotonda (Cittareale)	RM21	Italy	42.6278N	13.1416E	1454	From 2009-04-09 to 2010-03-03
Selvena	SF14	Italy	42.7551N	11.6146E	463	From 2016-03-24
Semalu	ESM	New Britain,Papua New Guinea	4.2770S	152.6860E	50	
Semarang	SMRI	Jawa,Indonesia	7.0492S	110.4407E	203	From 2006-11-01
Semdilli	SEMD	Turkey	37.3473N	44.5208E	1910	From 2005-09-28
Semerovo	A338A	Slovakia	48.0152N	18.3525E	154	From 2015-09-03
Semeru Mts	SMR	Jawa,Indonesia	8.1000S	112.9000E		
Semigandzh	SGZ	Tajikistan	38.6500N	69.0000E	0	
Semillon Drive Fremont	C039	California,U.S.A.	37.4671N	121.9116W	27	From 2010-05-12
Seminario San Jose de La Montana	SEMO	El Salvador	13.7033N	89.2240W	754	
Semipalatinsk	SEM	Kazakhstan	50.4080N	80.2500E	2100	From 1934-10-19
Semis' Anvil Peak	CEAP	Alaska,U.S.A.	52.0024N	179.5778E	244	
Semis' Cerberus	CERB	Alaska,U.S.A.	51.9314N	179.6297E	305	
Semisopochnoi Island	SSI	Alaska,U.S.A.	51.8924N	179.5880E	178	From 1970-10-17 to 1973-04-30
Semis' Perret Rge	CEPE	Alaska,U.S.A.	51.9658N	179.6492E	335	
Semis' Rag'd Top	CERAA	Alaska,U.S.A.	51.9070N	179.6846E	305	
Semis' Southwest	CESW	Alaska,U.S.A.	51.9010N	179.5633E	238	
Semis' Tuman	CETU	Alaska,U.S.A.	51.9661N	179.4942E	335	
Semkarok	SMKR	Kamchatskaya Oblast',Russia	56.5820N	161.4680E	898	From 2005-09-10
Semlyachik	SEL	Kamchatskaya Oblast',Russia	54.1167N	159.9833E		
Semnan-Aivanekay	SMAV	Iran	35.2873N	52.1541E	1000	From 2004-01-01 to 2004-09-01
Semponon	SEMI	Sumatera,Indonesia	2.4603N	98.3917E	1750	
Semr	SMRE	Ethiopia	13.1977N	39.2111E	1977	
SEND	SEND	Washington,U.S.A.	46.1935N	122.1854W	2100	
Sendai	SEN	Miyagi,Japan	38.2600N	140.9000E	38	
Seneca	SA-	Oregon,U.S.A.	44.1556N	118.6625W	1524	
Seneca	SA-OR	Oregon,U.S.A.	44.1556N	118.6625W	1524	
Seneca 1, Swea City	J36A	Iowa,U.S.A.	43.3292N	94.3395W	370	From 2010-10-07 to 2012-09-16
Seneffe	SNF	Belgium	50.5086N	4.2833E	108	From 1985-07-01
Senekal	SEK	Orange Free State,South Africa	28.3233S	27.6250E	1486	
Senekal, Freestate Province	SNKL	South Africa	28.2753S	27.7714E	1630	From 2015-12-11
Senerchia	SNR3	Italy	40.7357N	15.1927E	1009	
Senigallia	SENI	Italy	43.7052N	13.2331E	10	From 2006-07-27
Senkaya-Erzurum	SENK	Turkey	40.5614N	42.3505E	1939	From 2011-05-04
Sennar	SNAR	Sudan	13.4884N	33.3189E	0	
Sennhlsen	SGT00	Switzerland	47.4240N	9.3103E	525	From 2012-01-15
Sentinel	W32A	Oklahoma,U.S.A.	35.1238N	99.2458W	494	From 2009-10-28 to 2011-09-04
Senzan	SNZ	Hyogo,Japan	34.3530N	134.8410E	370	From 1972-01-22
Seogwipo	KSSGP	Republic of Korea	33.2587N	126.4994E	222	From 2001-11-21 to 2003-12-01
SEOHWA	SEHB	Republic of Korea	38.2686N	128.2525E	393	From 2009-01-01
Seongsanpo	KSSSP	Republic of Korea	33.3868N	126.8804E	18	From 2001-11-21
Seosan	KSSES	Republic of Korea	36.7893N	126.4531E	99	From 2000-12-19
Seoul	KSSEO	Republic of Korea	37.4879N	126.9188E	33	From 1998-10-29
Seoul	SEO	Republic of Korea	37.5667N	126.9670E	86	From 1945-01-01
Separation Peak, Rawlins	M21A	Wyoming,U.S.A.	41.6067N	107.3635W	2275	From 2007-11-01 to 2009-10-09
Sept-Chutes	SFA	Quebec,Canada	47.1244N	70.8268W	230	From 1927-01-01
September Lobe	SEPW	Washington,U.S.A.	46.2002N	122.1906W	2116	
Septfontaines	SEPFT	Luxembourg	49.7013N	5.9599E	302	From 2019-07-02
Sept Iles	SIC	Quebec,Canada	50.1720N	66.7380W	283	
Sequim	SQM	Washington,U.S.A.	48.0739N	123.0470W		

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Serang	SBJI	Jawa,Indonesia	6.1200S	106.1300E	0	
Serd	SRDE	Ethiopia	11.9579N	41.3100E	392	
Serdivan-Sakarya	SAUV	Turkey	40.7401N	30.3271E	165	From 2012-02-07
Sereflikochisar	SERE	Turkey	38.9463N	33.5640E	1216	From 2010-06-29
Seremai	QARU	Tanzania,United Republic of Tanzania	3.5238S	35.6123E	1367	
Sergiyevskiy	SRGR	Krasnodarskiy Kray	45.4210N	39.1690E	15	From 2018-10-04
Sergokala	SGKR	Dagestan,Russia	42.4597N	47.6583E	500	
Sergoula	SERG	Greece	38.4133N	22.0566E	477	From 1998-07-01
Serifos	SERI	Greece	37.1609N	24.4853E	460	From 2010-07-28
Sermide	SERM	Italy	45.0100N	11.2958E	-128	From 2012-01-19
Sermur	SER	Limousin,France	45.9775N	2.4300E	710	
Serqueux, 52470, Haute-Marne	A157A	France	48.0025N	5.7326E	444	From 2016-08-03
Serra Branca	SRBC	Azores,Portugal	39.0366N	28.0409W	300	
Serracapriola	FG2	Italy	41.8048N	15.1609E	241	
Serra de San Diablo, Bolivia	BBSD	Bolivia	17.1875S	60.6099W	366	From 2016-08-23
Serra de Santa Barbara	PSBA	Azores,Portugal	38.7673N	27.3247W	453	
Serra di Burano	ATBU	Italy	43.4757N	12.5483E	1000	From 2009-10-27
Serra do Cume	PSCM	Azores,Portugal	38.7007N	27.1173W	360	
Serra do Cume	SCUM	Azores,Portugal	38.6975N	27.1201W	316	From 1983-03-01
Serra do Socorro	PSSC	Portugal	39.0153N	9.2336W	375	
Serra Facao	SFA1	Goias,Brazil	17.9707S	47.7018W	766	From 2008-01-01
Serra Gorong, A1032	M1032	Mozambique	18.5109S	34.0504E	679	
Serrai	SRS	Greece	41.1172N	23.5922E	400	From 1981-01-01
Serra La Nave	ESLN	Sicily,Italy	37.6934N	14.9744E	1787	From 2005-07-13
Serra Nova Dourada	SNDB	Mato Grosso,Brazil	11.9742S	51.2943W	252	From 2013-11-05
Serra Pizzuta	ESPC	Sicily,Italy	37.6917N	15.0273E	1600	From 1985-12-01
Serra Sant'Abbondio	MSSB	Italy	43.4947N	12.7828E	421	From 2010-12-28
Serres	SRS1	Greece	41.0850N	23.5410E	200	From 2008-10-01
Serres, N039	N039M	Greece	41.1087N	23.5846E	328	
Serretta (MS)	T0914	Italy	44.0796N	10.2065E	334	From 2013-06-22
Sersale	SERS	Italy	39.0359N	16.6886E	1221	From 2005-10-19
Serting	ST16	Xizang Zizhiqu,China	31.8880N	89.4984E	4505	From 1998-07-24 to 1998-09-24
Seruci (CI)	SU11	Sardinia	39.2454N	8.4237E	150	From 2014-11-12 to 2015-09-01
Serui, Papua	SRPI	Papua New Guinea	1.8700S	136.2400E	87	From 2008-12-01
Serv Nac Est Terr	SNET	El Salvador	13.6868N	89.2315W	775	
Sessano del Molise	SSNM	Italy	41.6410N	14.3296E	740	From 2019-05-23
Sesta Godano	STDG	Italy	44.2939N	9.6758E	252	From 2013-06-26 to 2013-07-14
Set°bal	PSETU	Portugal	38.5371N	8.8668W	48	From 2015-09-30
Sete Cidades	SETE	Azores	38.5290N	28.5043W	100	
Sete Cidades	PSET	Azores,Portugal	37.8233N	25.7208W	475	From 2001-06-16
Sete Cidades	SETA	Azores,Portugal	37.8131N	25.7513W	675	From 1990-05-22
Setif	SET	Algeria	36.2000N	5.4000E	1000	From 1958-09-01
Settepolesini, Bondeno (FE)	CAS03	Italy	44.8997N	11.4659E	5	From 2012-05-23
Setubal (Portugal)	SETU	Portugal	38.5024N	8.9579W	118	From 2008-07-02
S. Eusanio Forconese	MI05	Italia	42.2895N	13.5252E	585	From 2009-04-07 to 2009-04-28
Sevastopol	SEVA	Crimea	44.5300N	33.6800E	136	From 2012-10-12
Sevastopol'	SEV	Crimea	44.5450N	33.6680E	42	
Sevelten	SEVE	Germany	52.7994N	8.0709E	45	From 2014-07-16
Sevenhill	SNL	South Australia,Australia	33.8872S	138.6390E	480	From 1967-01-01 to 1971-12-31
Sevenoaks	TSA1	England,United Kingdom	51.2426N	0.1561E	177	From 1989-01-01
Seven Oaks Dam	SVD	California,U.S.A.	34.1064N	117.0982W	574	
Severino-Manabi	SEVS	Ecuador	1.0078S	80.0536W	338	From 2012-07-03
Severnaya Zemlya	SVZ	Severnaya Zemlya	79.2760N	101.6570E	21	From 2016-11-21
Severo-Baykalsk	SVBS	Buryatiya,Russia	55.6400N	109.3500E	490	
Severo-Kuril'sk	SKR	Sakhalinskaya Oblast',Russia	50.6830N	156.1170E	22	
Severomuysk	SVKR	Buryatiya,Russia	56.1169N	113.5589E	850	
Severo-Muysk	SVK	Buryatiya,Russia	56.1839N	113.5189E	850	
Severouralsk	SVUR	Sverdlovskaya Oblast',Russia	60.1985N	59.9778E	-139	From 2007-06-09
Sevier Lake (BLM), Delta	Q14A	Utah,U.S.A.	38.9882N	113.2769W	1464	From 2007-06-11 to 2008-11-17
Sevierville	V52A	Tennessee,U.S.A.	35.8417N	83.5959W	328	From 2012-05-14
Sevinc	SGT	Turkey	36.9438N	31.5008E	205	From 1975-04-01
Sewanee	SWTN	Tennessee,U.S.A.	35.3002N	86.0763W	305	
Sewanee	SWET	Tennessee,U.S.A.	35.2163N	85.9320W	581	
Seward	SEW	Alaska,U.S.A.	60.1043N	149.4526W	77	From 1972-08-22
Seward Park	SPW	Washington,U.S.A.	47.5535N	122.2471W	8	From 1969-09-17 to 2009-04-08
Seward Park 2	SP2	Washington,U.S.A.	47.5563N	122.2492W	30	
Sexfontaines	SFTF	Champagne-Ardenne,France	48.2050N	5.0383E	399	
Seychelles	SEYC	Seychelles	4.0833S	55.0833E		From 1913-01-01 to 1942-12-31
Seydisehir	SYT	Turkey	37.3047N	31.8750E	1530	From 1976-01-01 to 1981-01-31
Seydisehir-KONYA	SEYD	Turkey	37.4057N	31.8380E	1160	From 2014-02-04
Seymchan	SEY	Magadanskaya Oblast',Russia	62.9328N	152.3822E	218	
Seymchan - Ulakhan Temp Deploy	SS42	Magadanskaya Oblast',Russia	62.6551N	152.3267E	233	From 2007-08-01 to 2007-09-01
Seymchan - Ulakhan Temp Deploy	SS40	Magadanskaya Oblast',Russia	62.8247N	152.2816E	214	From 2007-08-01 to 2007-09-01
Seymchan - Ulakhan Temp Deploy	SS41	Magadanskaya Oblast',Russia	62.7508N	152.5096E	205	From 2007-08-01 to 2007-09-01
Seymour	SM-TX	Texas,U.S.A.	33.6822N	99.1897W	396	From 1961-12-06 to 1961-12-20
Seymour	SM-	Texas,U.S.A.	33.6822N	99.1897W	396	From 1961-12-06 to 1961-12-20
Sfakia	SFK1	Crete,Greece	35.2555N	24.1726E	768	From 2011-09-15
S. Felix do Tocantins -TO	RET13	Tocantins,Brazil	10.1824S	46.6419W	364	From 2011-09-12
Sfinta Ana	AAR	Romania	46.1333N	25.8950E	1101	
Sfrayin	ISFR	Iran	37.0538N	58.0000E	2448	From 1997-03-01
SGA	CSGA	Costa Rica	9.6937N	84.4980W	375	From 2002-04-11 to 2002-10-01
Sgolgore (BA)	SG1	Italy	40.8400N	16.6790E	523	From 1988-07-01
Sgonico	FSGC	Italy	45.7100N	13.7640E	272	From 2012-07-01
S Grimmer Bl Fremont	C017	California,U.S.A.	37.5065N	121.9262W	34	From 2009-07-01
Sha@18hru@18d	SHD	Iran	36.4333N	54.9417E	1500	From 1975-03-01
Shaartuz	SHTS	Tajikistan	37.2667N	68.1333E		
Shabestar	ISHB	Iran	38.2833N	45.6170E	2150	From 1995-08-01
Shabla	SHAB	Bulgaria	43.5389N	28.6057E	43	From 2012-11-20
Shadegan	SSHG	Iran	30.6575N	48.6411E	5	From 2010-08-11
Shade River State Forest Ohio	SROH	Ohio	39.1268N	81.7900W	250	From 2019-10-09 to 2500-12-31
Shahbuz	SBZ	Azerbaijan	39.3970N	45.5530E	1202	From 2011-11-30
Shahmirzad	ISHM	Iran	35.8067N	53.2922E	2500	From 1999-05-01
Shahrakht	SHRT	Iran	33.6460N	60.2910E	837	From 2008-09-13
Shahran	ISHR	Iran	35.8061N	51.2889E	1470	From 1996-01-01
Shahrekord	SHK1	Iran	32.3280N	50.8845E	2093	
Shahrood	SHRO	Iran	35.9900N	56.0100E	1264	From 2009-02-04
Shai Hills	SHGH	Ghana	5.9283N	0.0419W	84	From 1987-01-01
Shajwa	KBR12	Saudi Arabia	25.3808N	38.9330E	580	
Shajwa	KBR11	Saudi Arabia	25.0287N	39.1613E	668	
Shakhimardan	SHAK	Uzbekistan	39.9540N	71.7386E	1822	
Shakotan	JSK	Shiribeshi,Japan	43.3525N	140.4757E	10	
Shaleruckik Mountain	F19K	Alaska,U.S.A.	66.8332N	157.7728W	161	From 2017-07-23
Shalim	SHAO	Oman	18.0228N	55.6251E	292	From 2004-12-01
Shalkode	SHLS	Kazakhstan	43.1570N	79.4620E	1368	From 2004-06-02
Shamm	SHME	United Arab Emirates	26.0497N	56.1414E	162	From 2010-12-20
Shamokin	SH-	Pennsylvania,U.S.A.	41.0136N	76.9136W	183	From 1962-10-11 to 1962-10-27
Shamokin	SH-PA	Pennsylvania,U.S.A.	41.0136N	76.9136W	183	From 1962-10-11 to 1962-10-27
Shamrock	SK-TX	Texas,U.S.A.	35.0828N	100.3639W	671	From 1963-08-19 to 1964-03-06
Shamrock	SK-	Texas,U.S.A.	35.0828N	100.3639W	671	From 1963-08-19 to 1964-03-06
Shandon	TCHL	California,U.S.A.	35.6881N	120.4009W	431	From 2013-06-19
Shandon	PSHM	California,U.S.A.	35.5908N	120.4150W	390	
Shangus	SHN2	Pakistan	35.7210N	74.8220E	1702	From 2012-01-01
Shanhua	SSHA	Taiwan region	23.1360N	120.2880E	13	From 2014-12-11
SHANNON INFRASONIC ARRAY REFERENCE POINT	I04AU	Western Australia,Australia	34.5976S	116.3567E	167	From 2006-02-01
Shannon Station	SNGZ	North Island,New Zealand	38.7815S	177.3399E	488	From 2009-06-30
Shapsug	SPGR	Krasnodarskiy Kray	44.7422N	38.0730E	100	From 2015-09-08
Sharaf	SRFA	Saudi Arabia	28.9300N	35.1880E	725	From 1986-01-01 to 1995-12-31
Sharaf	SHRF	Saudi Arabia	28.9460N	35.1090E	1000	
Sharm el Sheik	SHRM	Egypt	27.8925N	34.1322E	284	
Sharm el Sheik	SH2	Egypt	27.8817N	34.0833E	185	From 2010-06-30
Sharon Grove	T47A	Kentucky,U.S.A.	36.9881N	87.1055W	217	From 2011-11-19
Sharon Springs	Q28A	Kansas,U.S.A.	39.0623N	101.8309W	1133	From 2009-05-10 to 2011-03-23
Sharp Cattle Ranch, Aspermont	Z31A	Texas,U.S.A.	33.3183N	100.1435W	547	From 2009-03-17 to 2011-02-08
Sharpitor	SHT	England,United Kingdom	50.5106N	4.0356W	0	
Sharp Point	SHPB	British Columbia,Canada	49.3476N	126.2598W	26	From 2019-06-05
Shasta Dam	SHS	California,U.S.A.	40.6950N	122.3880W	312	From 1942-01-01 to 1964-05-30
Shatili	SHTL	Georgia	42.6565N	45.1529E	1434	From 2014-09-14
Shatzhatmas	SHAR	Stavropol'skiy Kray,Russia	43.7428N	42.6686E	2070	
Shawbak	SHWJ	Jordan	30.3830N	35.5000E	1734	From 1989-11-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Shawinigan Falls	SHF	Quebec,Canada	46.5517N	72.7633W	60	From 1928-01-01 to 1965-12-08
Shawnee State Forest Ohio	SSFO	Ohio	38.6952N	83.1972W	363	From 2016-05-25
Shawnee State University	SSUO	Ohio,U.S.A.	38.7290N	82.9890W	162	
Shawville	LDSQ	Quebec,Canada	45.7127N	76.3469W	257	From 2013-05-17
SHBE	SHBE	Eritrea	15.8545N	39.0547E	225	
SHBH1	SHBH1	Saudi Arabia	23.5212N	51.5741E	5	
SHBH2	SHBH2	Saudi Arabia	24.0916N	51.3045E	0	
Shebutintsy	NDNU2	Ukraine	48.6660N	27.1970E	258	
Sheenjek River	F26K	Alaska,U.S.A.	67.6946N	144.1455W	683	From 2016-07-15
Sheep	HSPM	California,U.S.A.	37.1152N	121.5160W	850	
Sheep Canyon	SCU	Utah,U.S.A.	39.4873N	110.2420W		From 1962-01-01 to 1977-03-31
Sheep Creek Facility	SCF	Alaska,U.S.A.	61.9947N	150.0390W	67	From 1971-08-01 to 1975-06-30
Sheep Creek Mountain	SCM	Alaska,U.S.A.	61.8333N	147.3280W	1020	
Sheep Hole Mountains	SHH	California,U.S.A.	34.1877N	115.6540W	1122	
Sheep Mountain BLM, Rosette	M14A	Utah,U.S.A.	41.5030N	113.3471W	1318	From 2007-02-10 to 2008-08-21
Sheeppen Canyon, Tinnie	Z24A	New Mexico,U.S.A.	33.3298N	105.3649W	1863	From 2008-05-15 to 2010-03-06
Sheep Range	SHRG	Nevada,U.S.A.	36.5048N	115.1559W	1641	From 1979-05-22 to 2002-10-10
Sheep Range	SHPR	Nevada,U.S.A.	36.5055N	115.1602W	1590	
Sheffield	SFF	Tasmania,Australia	41.3375S	146.3080E	213	From 1969-08-04 to 2009-09-03
Sheffield	M42A	Illinois,U.S.A.	41.4546N	89.7581W	212	From 2011-07-30
Sheikh Budin	SBDP	Pakistan	32.2997N	70.8072E	1356	
Sheil Bridge	KSB	Scotland,United Kingdom	57.2098N	5.4230W	70	From 1983-01-01
Sheki	SEKA	Azerbaijan	41.2090N	47.1980E	847	From 2003-08-01
Shelburne	I52A	Ontario,Canada	44.0680N	80.1770W	505	From 2012-11-17
Shelby Farms Park, Memphis	W44A	Tennessee,U.S.A.	35.1395N	89.8161W	101	From 2011-05-12 to 2013-03-13
Shelby Forest	SFTN	Tennessee,U.S.A.	35.3575N	90.0187W	-23	From 1979-08-02
Shelbyville	R49A	Kentucky,U.S.A.	38.2916N	85.1714W	251	From 2012-06-06
Sheldon Lake, Yukon	MMPY	Yukon Territory	62.6189N	131.2625W	880	From 2013-07-01
Shell Creek	SCE1	Oklahoma,U.S.A.	35.4390N	97.8140W	408	
Shell Creek South, Shandon	TSCS	California,U.S.A.	35.4407N	120.3537W	467	From 2016-05-08
Shell Rock	SHRK	Oregon,U.S.A.	45.4643N	121.5288W	1318	From 2015-08-04
Shelter house	SHTH	Turkey	40.8767N	28.9729E	5	From 2006-09-27
Shemya	SHY	Alaska,U.S.A.	52.7333N	174.1330E		
Shemya	SMY	Alaska,U.S.A.	52.7295N	174.0994E	58	
Shemya	SQ-IS	Alaska,U.S.A.	52.7269N	174.1092E	61	
Shemya Is, Alaska	SHEM	Alaska,U.S.A.	52.7295N	174.0994E	55	From 2015-01-15
Shenavan	SHNS	Armenia	40.8600N	44.2200E	1400	
Shenavan	KMLS	Armenia	40.8767N	44.2633E	1844	
Shenyang	SNY	Liaoning,China	41.8278N	123.5780E	54	From 1983-08-01
Shenyang	FEN	Liaoning,China	41.7833N	123.4000E	25	
Sherbrooke	SBQ	Quebec,Canada	45.3783N	71.9263W	265	From 1980-08-12
Sheridan	O47A	Indiana,U.S.A.	40.2361N	86.1742W	278	From 2011-10-21
Sheriff Wilson	SWNG	California,U.S.A.	37.6382N	118.8920W	2188	From 1979-11-11
Sherman	F64A	Maine,U.S.A.	45.8633N	68.3496W	179	From 2013-09-23
Sherman Crater--Mount Baker	SCW	Washington,U.S.A.	48.7675N	121.8170W	2990	From 1975-03-31 to 1976-10-01
Sherman Glacier	SGAM	Alaska,U.S.A.	60.5012N	145.2070W	424	From 1976-08-16
Sherman Twp	I48A	Michigan,U.S.A.	44.1873N	83.7022W	192	From 2012-11-06
Sherwin Lakes	MSLM	California,U.S.A.	37.6167N	118.9566W	2479	
Sherwood	L47A	Michigan,U.S.A.	41.9756N	85.2021W	282	From 2012-07-23
Sherwood Peak	KSPM	California,U.S.A.	39.5173N	123.5010W	869	
Sheshan	ZSC	Jiangsu,China	31.0956N	121.1870E	10	From 1976-11-15
Sheshan	ZSC*	Jiangsu,China	31.0967N	121.1860E	90	
Sheshan	SSE	Jiangsu,China	31.0956N	121.1867E	15	From 1976-11-15
Sheshan	ZKW	Jiangsu,China	31.1833N	121.4330E	7	
Shezaf	SZAF	Israel	30.9000N	34.5500E	290	
Shibata	SBH	Niigata,Japan	37.9656N	139.4538E	140	
Shiboa	JSB	Tochigi,Japan	36.9683N	139.9200E	460	
Shichikawa	SKW	Wakayama,Japan	33.5880N	135.6900E	120	From 1958-04-01
Shide	SHID	England,United Kingdom	50.6833N	1.2833W		
Shidnytsya	SHIU	Carpathian Mountains	49.2234N	23.3621E	580	From 2006-11-14
Shidzhatmaz	SHA1	Stavropol'skiy Kray,Russia	43.7380N	42.6571E	2120	From 2009-06-13
Shields Creek	CLAP	British Columbia,Canada	53.3217N	132.4110W	60	
Shigry	SHQRE	Saudi Arabia	27.8970N	36.1710E	1199	
Shikano	SNTD	Tottori,Japan	35.4105N	134.0204E	200	
Shikinejimakita	JSKK	Tokyo,Japan	34.3347N	139.2107E	39	From 2012-07-01
Shikotan	SKT*	Sakhalinskaya Oblast',Russia	43.8667N	146.8000E		
Shikotan	SHO	Sakhalinskaya Oblast',Russia	43.8700N	146.8300E	55	
Shiliguri	SLGI	India	26.7000N	88.4167E		
Shilin	ESL	Taiwan region	23.8140N	121.4330E	178	
Shillong	SHIO	Meghalaya,India	25.5667N	91.8833E	1600	
Shillong	SHL	Meghalaya,India	25.5667N	91.8833E	1600	From 1953-01-01
Shimam	JSH	Hiyama,Japan	42.6430N	140.0448E	72	
ShimaneMisato	JGT2	Shimane,Japan	35.0635N	132.5070E	150	From 2011-03-01
Shimbara	SHV	Nagasaki,Japan	32.7706N	130.3631E	50	
Shimen	NSM	Taiwan region	25.2878N	121.5886E	55	From 2014-08-07
Shimizu	SHM	Kochi,Japan	32.7750N	132.9580E	2	
Shimob	JYN	Yamanashi,Japan	35.4977N	138.5443E	775	
Shimobe	SBJ	Yamanashi,Japan	35.4157N	138.4834E	202	
Shimogamo	SGMN	Shizuoka,Japan	34.6472N	138.8550E	49	
Shimohsa	SMJ	Chiba,Japan	35.7934N	140.0238E	-2277	
Shimokamo	SMK	Shizuoka,Japan	34.6458N	138.8544E	20	
Shimokoshiki	JSJ	Kagoshima,Japan	31.6780N	129.7158E	240	
Shimonomoto	SMJD	Gifu,Japan	36.3941N	137.3864E	960	
Shimonoseki	SHN1	Yamaguchi,Japan	33.9450N	130.9280E	18	From 1984-01-01
Shimonoseki 2	SHNJ	Yamaguchi,Japan	34.1250N	131.1080E	20	
Shimonoseki 3	SHN	Yamaguchi,Japan	33.9533N	130.9400E	46	
Shimotochinai	K03	Iwate,Japan	39.3583N	141.5775E	289	
Shimoyama	SYJ	Aichi,Japan	35.0365N	137.3155E	303	
Shimwon	SMWA	Republic of Korea	35.5259N	126.5524E	20	From 2018-03-09
Shinagawa	SIN	Tokyo,Japan	35.6167N	139.7500E		
Shindian Village	TNSD	Taiwan region	24.5400N	120.9210E	210	From 2001-04-10
Shingle Point	SPY	Yukon Territory,Canada	68.9220N	137.2600W	35	From 1982-10-05
Shinhua	CHN3	Taiwan region	23.0760N	120.3650E	50	
Shinhuzimiza	SHZE	Nagano,Japan	36.3992N	138.5358E	2256	
Shinkiari	SIP	Pakistan	34.4667N	73.2992E	1448	
Shinkiari	SHI1	Pakistan	34.4830N	73.3060E	1544	From 1973-08-23
Shinpukuji	SPJN	Gifu,Japan	35.4537N	136.7930E	65	
Shinshiroyabe	JSSY	Aichi,Japan	34.9142N	137.5073E	67	From 2011-11-01
Shinshu-shinm'i	SSJ	Nagano,Japan	36.5715N	138.0400E	580	From 1967-08-01 to 1973-03-31
Shiocton	H42A	Wisconsin,U.S.A.	44.5091N	88.5311W	244	From 2011-09-30 to 2013-06-13
Shiono misaki	SHJ	Wakayama,Japan	33.4483N	135.7630E	75	
Ship Mountains	SPM	California,U.S.A.	34.4720N	115.4030W	915	
Shira	SHRR	Krasnoyarskiy Kray,Russia	54.4928N	90.1614E	388	From 2000-06-26
Shirahama	SHRD	Kagoshima,Japan	31.6100N	130.6750E	160	
Shirakawa	SRJD	Gifu,Japan	35.5777N	136.4160E	380	
Shirakawa	SHR	Fukushima,Japan	37.1290N	140.2192E	355	
Shirakawa 2	SHRJ	Fukushima,Japan	37.0767N	140.2330E	395	From 1990-04-24
Shiraki	SHK	Hiroshima,Japan	34.5322N	132.6780E	285	From 1965-07-21
Shirataka	JYS	Yamagata,Japan	38.2210N	140.0655E	300	
Shiraz	SHI	Iran	29.6418N	52.5133E	1595	From 1963-05-10
Shiriuchi	JSR	Hiyama,Japan	41.5295N	140.4178E	55	
Shiroyama	SRY	Kanagawa,Japan	35.6083N	139.2740E	254	From 1967-06-01
Shirttail Gulch	SHG	California,U.S.A.	36.4138N	121.2540W	192	From 1969-06-18
Shirttail Gulch	BSGM	California,U.S.A.	36.4138N	121.2540W	192	From 1969-06-18
Shirvan	ISHV	Iran	37.5347N	57.7027E	1925	From 1997-03-01
Shishaldin	SSBA	Alaska,U.S.A.	54.7727N	164.1245W	766	
Shishaldin North	SSLN	Alaska,U.S.A.	54.8118N	163.9959W	637	
Shishaldin South	SSLS	Alaska,U.S.A.	54.7120N	163.9988W	817	
Shishaldin West	SSLW	Alaska,U.S.A.	54.7718N	164.1214W	628	
Shishapangma	YALA	Bhutan	28.4043N	86.1133E	4434	
Shiura	JSI	Aomori,Japan	41.0547N	140.3967E	40	
Shiura 2	JSI2	Aomori,Japan	41.0575N	140.4112E	60	
Shiveluch	SVLR	Kamchatskaya Oblast',Russia	56.5769N	161.2200E	840	
Shiveluch-Kupola	KPLS	Kamchatskaya Oblast',Russia	56.6100N	161.3000E	1650	From 1986-01-01 to 1993-04-30
Shivlakha	SHIV	Gujarat,India	23.2918N	70.3390E	67	From 2012-01-01
Shivta	SVTA	Israel	30.9300N	34.6200E	370	
Shizi	SLIU	Taiwan region	22.2162N	120.7990E	197	From 2014-07-28
Shizugawa	SZG	Kyoto,Japan	34.8882N	135.8319E	70	
Shizuoka	SHZ	Shizuoka,Japan	34.9733N	138.4070E	14	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Shizuoka 2	SHZJ	Shizuoka,Japan	35.0278N	138.4227E	40	From 1989-03-25 to 1993-03-24
Shizuoka 3	SHZ3	Shizuoka,Japan	35.0658N	138.2100E	710	From 1993-03-29
Shkodra	SDA	Albania	42.0519N	19.4986E	10	
SHLH	SHLH	Israel	30.9920N	34.5300E	140	From 1980-12-28 to 1986-05-31
Shoal	SZ-NV	Nevada,U.S.A.	39.2036N	118.3800W	1606	From 1963-01-05 to 1963-02-02
Shoal	SZ-	Nevada,U.S.A.	39.2036N	118.3800W	1606	From 1963-01-05 to 1963-02-02
Shoalbay	SHOA	Andaman Islands,India	11.5179N	92.4420E	15	From 2012-01-01
Shoe Peg Valley	SPVI	Idaho,U.S.A.	44.5842N	116.7710W	1100	From 1991-09-01
Shokan	L60A	New York,U.S.A.	41.9890N	74.2226W	388	From 2013-09-04
SHOLAK	SHLK	Kazakhstan	43.9388N	77.7011E	710	From 1987-01-01 to 1989-08-21
Shompole Clinic	KEN3	Kenya	2.0932S	36.1186E	633	From 2013-07-10 to 2014-12-03
Shonto	U17A	Arizona,U.S.A.	36.5996N	110.6624W	1976	From 2007-06-08 to 2009-02-09
Shooshtar-Gavsavar	SHGR	Iran	32.1083N	48.8013E	150	From 2002-04-01
Shoreham	I60A	Vermont,U.S.A.	43.8440N	73.2916W	101	From 2013-09-20
Shoreline CC	SCCW	Washington,U.S.A.	47.7496N	122.3611W	0	
Shori	SHO1	Pakistan	35.5000N	73.3660E	990	From 2007-09-01
Short Canyon	WSCM	California,U.S.A.	35.7043N	117.8860W	881	
Short Mountain	SMTN	Tennessee,U.S.A.	36.3820N	83.1820W	768	
Shosan	JSS	Rumoi,Japan	44.3997N	141.8530E	110	
Shoshone NF, Cody	H18A	Wyoming,U.S.A.	44.6769N	109.6641W	2221	From 2008-08-15 to 2010-06-08
Shoshone Peak	SSP	Nevada,U.S.A.	36.9253N	116.2194W	2095	From 1973-10-10 to 2002-10-10
Shoshone, Tecopa	SHOC	California,U.S.A.	35.8995N	116.2753W	451	From 1996-10-14
Shoshoni	J20A	Wyoming,U.S.A.	43.3531N	108.0842W	1500	From 2008-08-09 to 2010-09-11
Shoshtar	ISHO	Iran	32.2891N	48.0223E	0	From 1998-01-01
Shoufeng	SHUL	Taiwan region	23.7875N	121.5627E	35	From 2017-10-06
Shoufeng	ENLB	Taiwan region	23.9036N	121.6017E	71	From 2002-12-02
Shoufeng Township	ESF	Taiwan region	23.8710N	121.5070E	28	From 1998-08-07
Shoushan	TWM1	Taiwan region	22.8233N	120.4226E	340	From 1977-03-28
Shoushan	TWM	Taiwan region	22.6417N	120.2510E	70	From 1972-09-09
Showa-Shinzan	SHOH	Iburi,Japan	42.5352N	140.8617E	192	
SHRS	SHRS	Saudi Arabia	21.5008N	40.1995E	789	
Shuangxi	TIPB	Taiwan region	24.9719N	121.8256E	393	From 2009-05-17
Shubertovo	SBRT	Kamchatskaya Oblast',Russia	55.9550N	162.0070E	34	From 1983-07-01 to 1983-09-01
Shui	SHUI	Tyva,Russia	50.8867N	90.3333E	1170	From 1964-08-16 to 1971-09-30
Shuilin Township	WSL	Taiwan region	23.5226N	120.2278E	55	From 2015-12-04
Shuksan-Mt. Baker Ski Area	SHUK	Washington,U.S.A.	48.8528N	121.6770W	1516	
Shullsburg	K41A	Wisconsin,U.S.A.	42.6071N	90.3046W	298	From 2011-06-20 to 2013-05-13
Shurtz Canyon	SZCU	Utah,U.S.A.	37.5954N	113.0875W	2026	From 2009-10-22
Shushi	SUSZ	Karabakh	39.7650N	46.7530E	1250	From 1998-01-01
Shushtar	SHGO	Iran	32.1083N	48.8013E	50	From 2004-06-01
Shuwaq	URD06	Saudi Arabia	27.4500N	36.7600E	1759	
Shuwaq	URD12	Saudi Arabia	27.7617N	37.0577E	1179	
Shuyak Island	SYI	Alaska,U.S.A.	58.6100N	152.3910W	149	From 1990-08-27
Shuyak Island	SHU	Alaska,U.S.A.	58.6281N	152.3490W	34	From 1974-01-01
Shuyak Island	Q20K	Alaska,U.S.A.	58.6097N	152.3942W	180	From 2016-05-25
SHVT	SHVTI	Israel	30.9240N	34.6120E	370	From 1984-10-01 to 1986-04-30
Shwairf	LSHF	Libya	29.9868N	14.2477E	429	
SHZF	SHZF	Israel	30.8940N	34.5360E	300	From 1982-08-01 to 1986-04-30
Siatista	SIA1	Greece	40.2573N	21.5535E	941	From 2011-04-01
Sibate, Cundinamarca	SBTC	Colombia	4.4770N	74.2870W	2726	From 2016-05-14
Sibayak Dolok	SIBI	Sumatera,Indonesia	3.2408N	98.5044E	2050	From 1991-10-01
Sibenik	SEB	Croatia	43.7333N	15.9000E		
Sibinal	SBG	Guatemala	15.1320N	92.0535W	2860	From 1986-03-01
Sibiti River	MWSR	Tanzania,United Republic of Tanzania	3.8388S	34.6437E	1028	
Sibiu	SIBR	Romania	45.8099N	24.1758E	463	From 2007-11-07
Sibolga	SBSI	Sumatera,Indonesia	1.5500N	98.8900E	147	From 2005-01-01
Sibu	SBUM	Sarawak,Malaysia	2.4500N	112.2200E	30	From 2003-11-01
Sibulan	SNPH	Mindanao,Philippines	9.3430N	123.2360E	520	
Sicasica	SICA	Bolivia	17.2924S	67.7490W	4065	From 1994-05-30 to 1995-04-10
Sicasica	SCS	Bolivia	17.2847S	67.8153W	3900	
Sicignano	SGO	Italy	40.5604N	15.3074E	651	
Sida	SID	Iceland	63.7858N	18.0583W	26	
Sidenro, N014	N014M	Greece	40.1288N	21.3542E	889	
Sideras, N021	N021M	Greece	40.3798N	21.6915E	1099	
Sides Ranch, Smithwick	J26A	South Dakota,U.S.A.	43.3126N	103.0752W	993	From 2009-07-31 to 2011-06-01
Sidewinder Mine	SDW	California,U.S.A.	34.6092N	117.0740W	1184	From 1975-02-01
Sidi Abdelli	OSBL	Algeria,Algeria	35.0820N	1.1440W	414	
Sidi Amar	ABKD	Algeria,Algeria	36.5350N	2.3090E	217	
Sidi-Bou-Said	SBS	Tunisia	36.8700N	10.3500E	125	
Sidi Chahed	SICH	Morocco	34.1040N	5.3170W	297	
Sidi Gnaou	SGNT	Tunisia	33.6608N	9.8702E	90	
Sidi Ifni	SFNM	Morocco	29.3340N	10.1660W	0	
Sidi Ladjel	AFDJ	Algeria,Algeria	35.4014N	2.5758E	863	
Sidi M'hamed Benaouda	ESMB	Algeria,Algeria	35.5728N	0.5823E	240	
Sidi Mnan	M017	Morocco	33.6988N	5.9907W	657	
Sidi Yaiche	SYA	Tunisia	34.7418N	8.8070E	550	
Sidney	PGC	British Columbia,Canada	48.6500N	123.4510W	5	From 1978-03-18
Sidney Island	SILB	British Columbia,Canada	48.6020N	123.2815W	76	
Sidrap Palu	SPSI	Sulawesi,Indonesia	3.9646S	119.7691E	0	From 2007-12-01
Sid's House	HGSB	British Columbia,Canada	53.2557N	132.1048W	92	From 2012-11-17
Siegrist	RDS	Alaska,U.S.A.	64.8265N	148.1450W	510	From 1977-06-01
Siena	SIE	Italy	43.3200N	11.3122E	349	
Sierra Bellavista	BO02	O'Higgins	34.7925S	70.7815W	886	From 2014-01-16
Sierra Blanca Array Site 1	SB1	Texas,U.S.A.	31.2100N	105.4378W	1570	
Sierra Blanca Array Site 2	SB2	Texas,U.S.A.	31.2117N	105.2900W	1379	
Sierra Blanca Array Site 3	SB3	Texas,U.S.A.	31.0983N	105.2983W	1384	
Sierra Cabrera	ASCB	Spain	37.0393N	2.0057W	0	
Sierra de Lcar, Granada	E026	Spain	37.4952N	2.5945W	1086	From 2007-09-11 to 2009-06-25
Sierra de Lijar	ELIJ	Spain	36.9178N	5.3808W	870	
Sierra del Retn, Cadiz	E001	Spain	36.1742N	5.8392W	346	From 2007-06-28 to 2009-05-01
Sierra Elvira	SELV	Spain	37.2383N	3.7277W	650	
Sierra Elvira	ELVI	Spain	37.2505N	3.7023W	860	
Sierra Foothill REC, California	SFRE	California	39.2565N	121.3229W	284	From 2018-09-01
Sierra Gorda, Loja, Granada	EGOR	Spain	37.1101N	4.1096W	1378	From 2011-02-01
Sierra Juarez	ESJX	Baja California	32.0048N	115.9480W	1618	
Sierra La Laguna	SLBS	Baja California,Mexico	23.6858N	109.9443W	825	
Sierra Loja	ELOJ	Spain	37.1477N	4.1526W	998	From 1993-11-29
Sierra Morena, Bogot¡	SMORC	Colombia	4.5745N	74.1700W	2822	From 2016-04-24
Sierra Morrones	ASMO	Spain	37.3580N	3.7430W	1170	
Sierra Prieta	DR14	Dominican Republic	18.6447N	70.0078W	0	
Sierra Ventana	VBA	Buenos Aires,Argentina	38.0539S	61.9756W	495	
Sierre	SIERE	Switzerland	46.3853N	7.4734E	2910	From 1974-09-10 to 2002-02-15
Sierre, Farmhouse, VS	SIE01	Switzerland	46.2696N	7.4968E	510	From 2018-07-13
Siete Picos	DR15	Dominican Republic	18.7503N	70.1773W	800	
Siggri Mitillinis	SGR1	Greece	39.2114N	25.8553E	22	From 2011-01-30
Sighetul Marmatiei	SIMAR	Romania	47.9287N	23.8918E	271	From 2015-09-29
Sigillo	A004	Italy	43.3304N	12.7364E	472	From 2011-02-08
Siglufjorour	ISIG	Iceland	66.1320N	18.9150W	10	From 1993-10-26
Sigmaringen, Junganu	A102A	Germany	48.1400N	9.1994E	684	From 2015-11-13
Sigmaringen-Wittberg	SGW	Baden-Wurttemberg,Germany	48.1068N	9.2150E	700	From 1994-01-01 to 1997-12-31
Signal de Mont	SMF	Bourgogne,France	46.6453N	3.8411E	459	From 1976-05-01
Signal Hill	SIH	Trinidad and Tobago	11.1722N	60.7708W	80	
Signal Mountain	W50A	Tennessee,U.S.A.	35.2002N	85.3119W	587	From 2012-04-17
Signal Peak, CA USA	SIGP	California	41.8728N	124.0676W	547	From 2018-01-02
Signy Island	SGY	South Orkney Islands	60.7101S	45.5976W	30	From 1974-02-01
SIGRI	SIGR	Greece	39.2114N	25.8553E	83	From 2007-12-19
Sigues	YSIG	Spain	42.6396N	0.9946W	776	From 2010-07-19
Sigus	CSGS	Algeria,Algeria	36.1324N	6.7117E	967	
Siheung-si	SHHB	Republic of Korea	37.3488N	126.7039E	39	From 2011-12-26
Sihmah	SMAN	Saudi Arabia	26.1780N	48.0650E	307	
Siikajoki	OBF3	Finland	64.8000N	24.7000E	25	From 2013-08-01
Siirt_Merkez	SRTM	Turkey	37.9911N	41.9223E	1145	From 2011-10-29
Siirt/Pervari-Merkez	PERV	Turkey	37.9461N	42.5417E	1377	From 2014-11-28
Sikka	SKK	Sakhalinskaya Oblast',Russia	49.2333N	143.1170E	2	
Sila	SLWR	United Arab Emirates	24.0696N	51.6913E	22	
SILCHAR	SILR	Assam,India	24.7813N	92.8028E	18	From 2011-05-01
Sile	SILT	Turkey	41.1530N	29.6430E	100	From 2002-01-01
Silifke	SLF	Turkey	36.2386N	33.6852E	120	From 1995-04-06
Silifke-Mersin	SILI	Turkey	36.3670N	33.9239E	122	From 2011-07-01

Station Name	*Code*	*Location*	*Geographical Co-ordinates*		*Altitude m*	*Remark*
Silifke-Mersin	SLFK	Turkey	36.3925N	33.9465E	55	From 2011-09-01
Silistra	SILAM	Bulgaria	44.1046N	27.2665E	84	From 2012-11-20
Silivri	SLVT	Turkey	41.2300N	28.2100E	180	From 2002-01-01
Sillano (LU)	T0915	Italy	44.2217N	10.3023E	721	From 2013-06-22
Siloam, Limpopo	MPHEP	South Africa	22.9070S	30.1778E	1005	From 2017-06-13
Silsa - SILE	ASILE	Ethiopia	12.4070N	41.1879E	472	
Silvan-Diyarbakir	SVAN	Turkey	38.1511N	41.1984E	655	From 2009-12-12
Silva Ranch	BSLM	California,U.S.A.	36.7755N	121.3490W	155	From 1975-07-16
Silver Beach Elementary School	SBES	Washington,U.S.A.	48.7683N	122.4150W		
Silver City	SVM	New Mexico,U.S.A.	32.7787N	108.2967W	1932	From 1977-12-01 to 1999-08-25
Silver City	SIY	Yukon Territory,Canada	61.0317N	138.4070W	785	From 1979-12-05 to 1980-03-27
Silver Creek	SVC	California,U.S.A.	37.2852N	121.7725W	128	From 1967-06-10
Silver Creek	CSCM	California,U.S.A.	37.2852N	121.7720W	128	From 1967-06-10
Silver Gate	SGM	Montana,U.S.A.	45.0075N	109.9890W	2285	From 1973-01-01 to 2004-03-05
Silver Peak	SIL	California,U.S.A.	34.3478N	116.8270W	1730	
Silver Peak Range	SVP	Nevada,U.S.A.	37.7148N	117.8013W	2621	
Silverton	SLR	Transvaal,South Africa	25.7350S	28.2817E	1348	From 1981-07-20
Silverton, S11	SCR11	Colorado	37.8115N	107.6693W	2863	
Silvia	SILC	Colombia	2.6880N	76.3397W	3150	From 1990-01-01
Simarbalatuk	SIMI	Sumatera,Indonesia	2.6889N	98.9469E	1681	
Simav-Kutahya	SMAA	Turkey	39.1005N	28.9805E	796	From 2012-05-08
Simav-Kutahya	SIMA	Turkey	39.0833N	28.9825E	984	From 2011-07-26
Simferopol'	SIM	Crimea	44.9490N	34.1160E	275	
Simia	VSI	Greece	38.8793N	23.2090E	448	From 1982-11-01
Simia	SMIA	Greece	38.8791N	23.2090E	448	From 2008-10-16
Simiane la Rotonde	SMRF	Provence-Cote d'Azur,France	43.9760N	5.5750E	654	
Simiganj	SIMJ	Tajikistan	38.6585N	69.0083E	1400	From 2016-10-06
Simi Peak	SI2	California,U.S.A.	34.2039N	118.7990W	700	From 1973-06-01
Simla	SMI	Himachal Pradesh,India	31.1000N	77.1833E		
Simla	SMLA	Himachal Pradesh,India	31.1283N	77.1667E		
Simmler	SMMC	California,U.S.A.	35.3142N	119.9958W	599	From 1999-11-09
Simojovel	SMJM	Chiapas,Mexico	17.1340N	92.7150W		
Simon	SIMR	Nevada,U.S.A.	38.4750N	117.7675W	1899	
Simplonpass	SIMPL	Switzerland	46.2396N	8.0196E	1930	From 2009-10-28
Simpson Lake	SMPN	Northwest Territories,Canada	68.2107N	126.6540W	226	From 2010-07-17
Simpson Lake, Nunavut	SMLN	Nunavut,Canada	68.5936N	91.9364W	237	From 2010-07-30
Simushir	SIU	Sakhalinskaya Oblast',Russia	46.8500N	151.7800E	15	
Sinabang, Aceh	SNSI	Sumatera,Indonesia	2.4089N	96.3267E	14	From 2008-12-01
Sinaia	SINR	Romania	45.3550N	25.5526E	834	From 2019-05-24
Sinaia	SNX	Romania	45.3553N	25.5155E	1470	From 1989-07-01
Sinanoba-Istanbul	SINB	Turkey	40.9993N	28.5395E	59	From 2011-01-01
Sinclair Lake	A22K	Alaska,U.S.A.	71.0033N	154.9742W	6	From 2017-08-19
Sinclairville	L54A	New York,U.S.A.	42.2345N	79.3162W	432	From 2013-03-26
Sindeldorf	SIND	Baden-Wurttemberg,Germany	49.3476N	9.6044E	331	From 1998-01-01
Sindhuli	SINN	Nepal	27.2107N	85.9088E	465	From 2001-10-19 to 2002-11-03
Sindorf	BA05	Nordrhein-Westfalen,Germany	50.9175N	6.6637E	72	From 2006-10-01
Sinegor'e	SNGR	Magadanskaya Oblast',Russia	62.0640N	150.4000E	300	From 2003-04-26
Sinegor'e	SNGS	Magadanskaya Oblast',Russia	62.0854N	150.5251E	400	From 2003-05-04
Sinegor'e	SNE	Magadanskaya Oblast',Russia	62.0900N	150.5200E	400	
Sines	PSINE	Portugal	37.9584N	8.8628W	20	From 2016-05-07
Singah	SINI	Jawa,Indonesia	7.0144S	107.5000E	1000	
Singapore	SING	Singapore	1.3050N	103.8500E		
Singaraja	SRBI	Bali,Indonesia	8.0848S	115.2127E	0	From 2007-12-01
Singen-Schiener Berg	SISB	Baden-Wurttemberg,Germany	47.6864N	8.9643E	490	From 2003-01-01 to 2016-12-31
Singi	SNGB	Republic of Korea	37.3465N	129.0862E	24	From 2018-03-09
Singida	SINGT	Tanzania,United Republic of Tanzania	4.8083S	34.7380E	1506	
SINGM	SINGM	Malawi	14.8083S	34.7380E	1506	
Singureni	SGRR	Romania	44.2228N	25.9743E	115	From 2011-09-21
Sinj	SNJ	Croatia	43.7333N	16.6500E		
Sinn el Kaddab	ASKD	Egypt	23.6597N	32.3847E	258	
Sinonel	SLG	Guatemala	14.7078N	91.6355W	1220	From 1979-11-01 to 1987-12-31
Sinop	SNP1	Mato Grosso	11.3298S	55.4553W	315	From 2015-11-10
Sinop	SNOP	Turkey	42.0195N	35.2068E	180	From 2010-08-16
Sinop	SINP	Turkey	41.9823N	35.0956E	93	From 2012-03-23
Sinop/Boyabat-Salar	BOYA	Turkey	41.5330N	34.6806E	443	From 2014-11-25
SINOP_Merkez	SINO	Turkey	42.0184N	35.2019E	203	
Sintang	STKI	Kalimantan,Indonesia	0.0656N	111.4772E	88	From 2005-01-01
Sint Eustatius	STAT	Netherlands Antilles	17.4950N	62.9787W	50	
Sint Maarten	MRN	Netherlands Antilles	18.0120N	63.0600W	20	From 1976-10-01 to 1999-08-25
Sinuiju	SUJ	Democratic People's Republic of Korea	40.1029N	124.4937E	20	From 1978-01-01
Sinyu	KV12	Kagoshima,Japan	31.8886N	130.8714E	890	
Sion	SIS	Switzerland	46.2667N	7.3667E	500	From 1932-01-01 to 1941-12-31
Sion-Mayennets	SIOM	Switzerland	46.2290N	7.3619E	495	From 2011-01-01
Sion-Ophtalmol	SIOO	Switzerland	46.2328N	7.3832E	495	From 1997-05-14
Sion-Valere	SIOV	Switzerland	46.2351N	7.3642E	560	From 2006-08-29
Sioux Lookout	SOO	Ontario,Canada	50.0762N	91.8880W	358	From 1987-06-07
Sioux Lookout	SXO	Ontario,Canada	50.0917N	91.9983W	420	From 1982-09-27 to 1986-09-24
Sioux Lookout	SOLO	Ontario,Canada	50.0213N	92.0812W	373	From 1988-10-24
Siparia	SIPA	Trinidad and Tobago	10.1429N	61.5060W	60	
Sipayare	SIPV	Venezuela	10.1827N	70.9322W	154	
Sipbachzell	A024B	Austria	48.1002N	14.1399E	381	From 2016-08-31
Siplipahar	SHLP	Orissa	21.1160N	82.9470E	224	From 2017-09-08
Siquirres	IRES	Costa Rica,Costa Rica	10.0960N	83.5050W	84	
Siquisique	SIQV	Venezuela	10.6490N	69.8080W	440	From 2002-05-30
Sirabahal	SRBH	Orissa	20.4430N	83.5270E	168	From 2017-09-07
Sir Abu	ESRB	United Arab Emirates	25.2200N	54.2339E	9	
Siracusa	HSRS	Sicily,Italy	37.0930N	15.2220E	100	From 1994-05-01
Sirdan	QSDN	Iran	36.5036N	49.1740E	2148	
Siria	SIRR	Romania	46.2675N	21.6597E	480	
Siria	SIR	Venezuela	10.5092N	66.5092W	1050	From 1974-01-01
Sirnak	SIRT	Turkey	37.5011N	42.4392E	1038	From 2005-06-22
Sırnak	SIRN	Turkey	37.4962N	42.4130E	968	From 2008-11-03
Sirolo	MSIR	Italy	43.5402N	13.6100E	361	From 2007-10-02
Sirt	LSRT	Libya	31.0812N	16.6582E	95	
Sisak	SISC	Croatia	45.4710N	16.3720E	100	
Sisimiut, Greenland	SISG	Greenland	66.9366N	53.6430W	0	
Sisters	GRSS	Grenada	12.2985N	61.6123W	20	
SITAMARHI	STMR	Bihar	26.7530N	85.2740E	55	From 2018-03-11
Sitaras, N013	N013M	Greece	39.9462N	21.4035E	836	
Site Antares, Toulon	ASEAF	Provence-Cote d'Azur,France	42.7945N	6.1635E	-2470	From 2010-11-01
Siteia	SIT2	Crete,Greece	35.2059N	26.1070E	2	From 2011-09-01
Sitia Lasithi	STIA	Crete,Greece	35.2020N	26.0909E	89	From 2006-12-01
Sitka	SIT	Alaska,U.S.A.	57.0569N	135.3244W	19	From 1999-08-11
Sitkalidak Island	SKD	Alaska,U.S.A.	57.1642N	153.0800W	135	From 1977-08-11
Sitkinak Island	SII	Alaska,U.S.A.	56.5593N	154.1842W	492	From 1975-10-01
Sitohorio	S003	Greece	37.3210N	21.8080E	537	
Sittwe	SIMRM	Myanmar	20.1332N	92.8852E	15	
Siu Lam	HKSL	Hong Kong,China	22.3647N	114.0145E	100	From 1997-04-23
Sivas	SVST	Turkey	36.9361N	36.9528E	1640	From 1992-01-01
Sivas	SIVA	Crete,Greece	35.0175N	24.8100E	95	
Sivas-Altinyayla-Merkez	CUAYA	Turkey	39.2655N	36.7463E	1509	From 2015-05-22
Sivrice-ELAZID	SVRC	Turkey	38.3784N	39.3063E	1680	From 2007-04-27
Sivrice-Elazig	ESIJ	Turkey	38.4485N	39.3112E	1296	
Sivrice-Elazig	ESGZ	Turkey	38.4299N	39.0625E	1572	
Sivrigoynuk	SGKT	Turkey	40.5733N	32.0561E	1890	From 1992-01-01
SIVRIHISAR	AUSIV	Turkey	39.4396N	31.5397E	1111	From 2010-02-09
Sivrihisar-ESKISEHIR	SVRH	Turkey	39.4469N	31.5230E	1000	From 2007-12-27
Six Diamond Ranch, Ranyesford	D17A	Montana,U.S.A.	47.1523N	110.6873W	1535	From 2007-10-13 to 2009-09-11
Sixes	K01A	Oregon,U.S.A.	42.8088N	124.4692W	175	From 2005-12-20 to 2007-11-30
Sixmile	SXM	Montana,U.S.A.	46.1492N	111.2080W	1993	
Sixmile Butte	SMBI	Idaho,U.S.A.	43.5022N	113.2680W	1736	From 1992-01-01
Six Mile Mountain	SMMS	South Carolina,U.S.A.	34.8325N	82.8042W	468	
Sixt	OGSI	Rhone-Alpes,France	46.0665N	6.7540E	750	
Sixty Eight Flow	SELF	Costa Rica	10.4712N	84.7322W	500	
Siya@14za@14n	SIZA	Azerbaijan	41.0760N	48.8990E	984	From 2003-08-01
Sjenica	SJES	Serbia	43.2613N	19.9734E	1181	From 2004-03-26
Sjulsmark	SJUU	Sweden	65.5080N	21.6055E	100	From 2000-08-30
Skadanscina	SKDS	Slovenia	45.5464N	14.0143E	552	From 2006-04-12
Skaggs, Pawnee	P43A	Illinois,U.S.A.	39.6409N	89.5213W	176	From 2011-08-16

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Skaggs Springs	GSSM	California,U.S.A.	38.7020N	123.0130W	282	From 1975-01-22
Skaggs Springs	SKG	California,U.S.A.	38.7020N	123.0130W	282	From 1975-01-22
Skagit Valley Community College ANSS SMO	SVOH	Washington,U.S.A.	48.2892N	122.6332W	22	From 2001-09-14
Skagway	SKAG	Alaska,U.S.A.	59.4601N	135.3290W	134	From 2004-10-13
Skagway School	SKGA	Alaska,U.S.A.	59.4650N	135.3098W	0	
Skalka u Prostejova	SUPC	Czech Republic	49.3977N	17.1720E	274	From 2015-07-24
Skalna	SKC	Czech Republic	50.1698N	12.3611E	455	From 1994-04-19
Skalnate-Pleso	SPC	Slovakia	49.1889N	20.2450E	1772	
Skalstugan	SKA	Sweden	63.5800N	12.2800E	580	
Skaneateles	SKN	New York,U.S.A.	42.9915N	76.4672W	226	From 1974-11-01 to 1975-12-31
Skardu	SKR1	Pakistan	35.3030N	75.6400E	2251	From 2009-09-20
Skarslia	SKAR	Norway	60.6808N	8.3044E	798	From 2013-03-21
Skaug oppvekstsenter	NBB08	Norway	67.3871N	14.6364E	12	From 2013-08-01 to 2016-06-01
Skazka	SKZ	Khanty-Mansi Autonomous Okrug,Russia	61.4833N	72.5500E	91	
Skein Mesa, Paradox Valley	PV18	Colorado,U.S.A.	38.2462N	108.9090W	1999	
Skhour des Rehamma	SRHM	Morocco	32.4710N	7.8980W	745	
Skiathos	SKIA	Greece	39.1665N	23.4661E	325	From 2008-06-25
Skidaway Island, Savannah	257A	Georgia,U.S.A.	31.9746N	81.0261W	9	From 2012-03-16
Skidegate	SKB	British Columbia,Canada	53.2478N	131.9960W	10	From 1982-08-23
Ski Hill Lift	SKLY	New York,U.S.A.	43.9603N	74.1753W		From 1983-10-01 to 1986-10-31
Skikda	SKDA	Algeria	36.7850N	6.8539E	0	
Skilak	SKL	Alaska,U.S.A.	60.5143N	150.2150W	660	From 1971-09-09 to 1984-12-31
Skilak Lake	SLKM	Alaska,U.S.A.	60.5078N	150.2210W	655	From 1984-08-11
Skildingahlshraun	ISKI	Iceland	65.8698N	17.0270W	316	From 2008-11-20
Skiros Island	SKY	Greece	38.8778N	24.5500E	260	From 1997-01-01
Skopelos	VSK	Greece	39.1106N	23.6934E	374	From 1982-10-01
Skopelos Island	SKO1	Greece	39.1233N	23.7287E	10	From 2010-08-01
Skopje	SKO	FYR Macedonia	41.9721N	21.4396E	346	From 1957-01-01
Skordalos	SKOR	Crete,Greece	35.4120N	23.9280E	306	
Skoteina, N019	N019M	Greece	40.2049N	22.2378E	701	
Skoteini	S012	Greece	37.7860N	22.4340E	753	
Skrokkalda	ISKR	Iceland	64.5600N	18.3860W	858	From 1996-10-02
Skvira	NE55	Ukraine	49.7160N	29.6560E	235	
Skwentna	SKT	Alaska,U.S.A.	61.9800N	151.5317W	581	From 2006-05-15
Skylar, Fairfield	R45A	Illinois,U.S.A.	38.2926N	88.2812W	143	From 2011-11-13
Skyros	S037	Greece	38.9210N	24.5300E	255	
Skyros Island	SKY1	Greece	38.9045N	24.5646E	78	From 2010-10-01
Slack Wire Ranch, Winifred	C19A	Montana,U.S.A.	47.7343N	109.0489W	966	From 2008-08-22 to 2010-06-04
Slait	SLAT	Sudan	15.8659N	32.6859E	409	From 2003-11-01
Slandsville	SVS	South Carolina,U.S.A.	32.9683N	80.2482W	3	From 1976-03-31
Slate Mountain	ASMM	California,U.S.A.	38.8233N	120.6830W	1214	
Slate Mountain	STM	Nevada,U.S.A.	39.1140N	118.2000W	2020	From 1972-01-13 to 1975-07-31
Slatina	SLATY	Bosnia and Herzegovina	44.8286N	17.2996E	206	From 2018-03-27
Sleeping Mountain	SMN	Nevada,U.S.A.	37.1433N	116.7670W	1341	From 1971-01-01 to 1973-12-31
Sleepy Eye	SE-	Minnesota,U.S.A.	44.4142N	94.6653W	244	From 1962-01-24 to 1963-06-19
Sleepy Eye	SE-MN	Minnesota,U.S.A.	44.4142N	94.6653W	244	From 1962-01-24 to 1963-06-19
Sleepy Hollow	SLH	California	33.1927N	116.2540W	208	From 2014-07-31
Slenfeh	SLNF	Syria	35.5954N	36.2228E	1520	From 1994-12-01
Slick	SIO	Oklahoma,U.S.A.	35.7463N	96.3071W	323	From 1978-07-12
Slidell	546A	Louisiana,U.S.A.	30.2330N	89.7191W	0	From 2011-03-16 to 2012-12-12
Slide Mountain	KSMM	California,U.S.A.	40.1858N	124.1750W	991	
Slitere, Latvia	SLIT	Latvia	57.6287N	22.2905E	13	From 2006-10-25
Slobozia Conachi	SLCR	Romania	45.5897N	27.7703E	85	From 2013-09-28
Slope Mountain	O20K	Alaska	60.0815N	152.6240W	915	From 2015-06-24
Slough House Road	ASRM	California,U.S.A.	38.4977N	121.2048W	52	
Slysaalda	ISLY	Iceland	63.8240N	19.1173W	633	From 2010-12-17
S.Marcello (AN)	AD05	Italy	43.5457N	13.1822E	216	From 2010-03-30
S.Maria delle Mole (Ciampino, Roma)	SAMA	Italy	41.7805N	12.5923E	119	From 2009-06-09
S. M. di Licodia	ESML	Sicily,Italy	37.6180N	14.8770E	360	From 1989-04-01
Smeltzer Mountain	SMSC	South Carolina,U.S.A.	34.9308N	82.9710W	498	From 1977-04-19
SMGL	SMGL	Baja California	31.6328N	115.8328W	1069	
Smimou	SOIM	Morocco	31.1690N	9.6170W	900	
Smir	SMRM	Morocco	35.6850N	5.3870W	50	
Smir Dam	SMIR	Morocco	35.6820N	5.3810W	123	
Smith Brothers Farm, Spring Hill	V48A	Tennessee,U.S.A.	35.7400N	86.8219W	278	From 2011-12-11
Smith Canyon Road	ID07	Idaho,U.S.A.	42.5349N	112.0797W	1855	From 2017-09-08 to 2017-10-25
Smithers	SI-BC	British Columbia,Canada	54.7883N	127.0714W	579	From 1965-10-25 to 1966-10-14
Smithers	SI-	British Columbia,Canada	54.7883N	127.0714W	579	From 1965-10-25 to 1966-10-14
Smith Mountain	PSMM	California,U.S.A.	36.0697N	120.5950W	988	From 1975-09-24
Smith Ranch, Marlow	X34A	Oklahoma,U.S.A.	34.6010N	97.8326W	364	From 2009-11-05 to 2011-09-05
Smjorgil	ISMJ	Iceland	63.6759N	19.6578W	211	From 2010-12-17
Smolenice	SMOL	Slovakia	48.5139N	17.4287E	400	From 1987-01-01
Smothers Creek Ranch, Hallettsville	636A	Texas,U.S.A.	29.4810N	97.0570W	90	From 2010-01-26 to 2011-11-09
Smrekonice	SMRK	Kosovo	42.8730N	20.9378E	634	From 2008-07-06
Smyrna	SYR	Washington,U.S.A.	46.8630N	119.6180W	268	From 1969-03-01
Snabyli	ISNB	Iceland	63.7360N	18.6310W	245	From 1993-02-10
Snake Pit, Albuquerque Seismic Lab	TASL	New Mexico,U.S.A.	34.9454N	106.4565W	1838	From 2012-04-24 to 2012-08-30
Snake Ranch	SRF	New Mexico,U.S.A.	34.2033N	107.0900W	1768	From 1969-01-01 to 1969-06-30
Snap Lake	SNPN	Northwest Territories,Canada	63.5178N	110.9077W	458	
Snartemo	SNART	Norway	58.3387N	7.2097E	160	From 2003-09-01
SNI	CSNI	Costa Rica	9.6063N	84.4915W	160	From 2002-04-11 to 2002-10-01
Snider Mountain Ranch	SRNB	New Brunswick,Canada	45.8324N	65.6355W	213	From 2013-09-07
Snively Ranch	SNIWA	Washington,U.S.A.	46.4642N	119.6600W	312	
Snort	SRTC	California,U.S.A.	35.6918N	117.7490W	698	
Snowbank Mountain	SBID	Idaho,U.S.A.	44.4240N	116.3140W	2520	
Snow Cap Mountain	KSCM	Oregon,U.S.A.	42.3440N	124.1650W	1280	
Snow College	SNO	Utah,U.S.A.	39.3143N	111.5380W	2446	
Snowflake	SF-AZ	Arizona,U.S.A.	34.4386N	110.5144W	1981	From 1961-12-03 to 1962-05-03
Snowflake	SF-	Arizona,U.S.A.	34.4386N	110.5144W	1981	From 1961-12-03 to 1962-05-03
Snowflake	X18A	Arizona,U.S.A.	34.5293N	109.9501W	1751	From 2007-04-12 to 2010-05-28
Snow King Mountain	SNOW	Wyoming,U.S.A.	43.4625N	110.7550W	2390	From 1986-01-01
Snowmass	SMCO	Colorado,U.S.A.	39.1776N	106.9739W	3435	
Snow Mountain	GSNM	California,U.S.A.	38.9405N	123.1920W	870	From 1975-06-20
Snowy Mountains Grammar School, Jindabyne	AUSMG	New South Wales,Australia	36.4200S	148.6100E	951	From 2013-03-14
Snyder	130A	Texas,U.S.A.	32.5961N	100.9652W	676	From 2009-03-12 to 2011-02-09
Snyder 07	SN07	Texas,U.S.A.	33.0909N	100.8917W	620	From 2017-09-12
Snyder 1	SN01	Texas,U.S.A.	32.8615N	100.8899W	717	From 2017-03-10
Snyder 2	SN02	Texas,U.S.A.	32.8645N	100.9111W	748	From 2017-03-10
Snyder 3	SN03	Texas,U.S.A.	32.9243N	100.9412W	744	From 2017-03-08
Snyder 4	SN04	Texas,U.S.A.	32.8988N	100.8695W	716	From 2017-03-09
Snyder 5	SN05	Texas,U.S.A.	32.8784N	100.8843W	724	From 2017-03-08
Snyder 6	SN06	Texas,U.S.A.	32.8777N	100.9331W	769	From 2017-03-08
Snyder Ridge, Maysville	Q56A	West Virginia,U.S.A.	39.0410N	79.1871W	430	From 2013-05-23
Soap Creek Ranch, Albany	H03A	Oregon,U.S.A.	44.6765N	123.2923W	214	From 2005-11-10 to 2008-01-24
Soaring Heights, Las Vegas	WTNK	Nevada,U.S.A.	36.1917N	115.0106W	676	From 2003-05-19
Sobolevo	SBLV	Kamchatskaya Oblast'	54.3039N	155.9611E	44	From 2018-11-30
Soboth	SOKA	Austria	46.6780N	15.0327E	1008	From 2007-05-01
Sobradinho	SOB4	Bahia,Brazil	9.3425S	41.4842W	440	From 1979-10-01
Sobradinho	SOB3	Bahia,Brazil	9.7708S	41.2639W	434	From 1979-10-01
Sobradinho	SOB1	Bahia,Brazil	9.2089S	40.8947W	424	From 1980-04-01
Sobradinho	SOB2	Bahia,Brazil	9.5684S	40.9611W	490	
Sobradinho	SOB	Bahia,Brazil	9.2888S	41.1694W	416	From 1978-09-27
Sobral	SBBR	Ceara,Brazil	3.7452S	40.2717W	110	From 2007-01-01
Soche	SOCH	Ecuador	0.6490N	77.4923W	2650	From 1994-07-01
Sochi	SOC	Krasnodarskiy Kray,Russia	43.5833N	39.7167E	192	
Socops	SOCV	Venezuela	8.2840N	70.8560W	335	From 2002-08-15
Socorro	SRM	New Mexico,U.S.A.	34.3419N	106.8990W	1522	From 1969-06-25 to 1970-06-30
Socorro	SNM	New Mexico,U.S.A.	34.0702N	106.9440W	1511	From 1962-07-01
Socorro	Y22A	New Mexico,U.S.A.	33.9370N	106.9652W	1674	From 2008-04-09 to 2009-12-22
Socorro	VAO3	Sao Paulo,Brazil	22.5770S	46.4400W	1370	
SOCORRO T	H06S1	Colima,Mexico	18.7347N	110.9575W	35	From 2005-11-29
SOCORRO T-PHASE SITE E1	H06E1	Colima,Mexico	18.7805N	110.9253W	316	From 2005-11-29
SOCORRO T-PHASE SITE N1	H06N1	Colima,Mexico	18.8616N	110.9861W	16	From 2005-11-29
Socotra	SOCY	Yemen	12.1870N	53.9874E	802	From 2009-01-22
Socrates Mine	GSMM	California,U.S.A.	38.7692N	122.7810W	1017	From 1975-07-18
Socs Landing, Pioneer	143A	Louisiana,U.S.A.	32.7032N	91.4036W	30	From 2011-02-18
Soda Butte	YPSB	Wyoming,U.S.A.	44.8840N	110.1510W	2072	
Sodankyla	SDF	Finland	67.4203N	26.3936E	277	From 1984-12-19 to 2000-06-15
Sodankyla@14	SOD	Finland	67.3712N	26.6291E	181	From 1987-07-28 to 1992-01-13

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Sodankyla@14	SGF	Finland	67.4421N	26.5261E	180	
Soda Springs	SOS	California,U.S.A.	37.1695N	121.9318W	921	
Soda Springs	JSSM	California,U.S.A.	37.1695N	121.9318W	921	
Soda Springs	K16A	Idaho,U.S.A.	42.8321N	111.5884W	1885	From 2007-07-22 to 2009-05-12
Sodus	SONY	New York,U.S.A.	43.1922N	76.9647W	122	
Soe	SOEI	Timor,Indonesia	9.7553S	124.2672E	1047	From 2006-12-11
Soedalen	SOEG	Greenland	68.2033N	31.3770W	101	
Soengei Langka	SLS	Sumatera,Indonesia	5.4000S	105.2170E	240	
Soera, Palade, Hiiumaa island	EE06	Estonia	58.9695N	22.8482E	6	From 2015-11-13
Sofades	SOFA	Greece	39.3377N	22.0969E	110	
Sofala, A0789	M0789	Mozambique	19.0020S	34.2327E	82	
Sofia	SOF	Bulgaria	42.6761N	23.3698E	570	
Sofiko	SOFI	Greece	37.8048N	23.0640E	719	
Sogindy	SGDS	Kazakhstan	43.4520N	74.6300E	940	From 2012-09-15
sogukcermik	SCER	Turkey	39.8613N	37.1286E	1428	From 2008-06-26
Sohna	SONA	Delhi,India	28.2500N	77.0833E		
SOHO	SOHO	Oman	24.1342N	56.5336E	100	
So. Illinois U.	EDIL	Illinois,U.S.A.	38.7838N	89.9878W	183	
Sokcho	KSSOC	Republic of Korea	38.2422N	128.5669E	17	From 2000-01-29 to 2004-12-22
Sokcho	KSSKC	Republic of Korea	38.2899N	128.5219E	56	From 2004-12-24
Sokhos	SOH	Greece	40.8217N	23.3539E	670	From 1981-01-01
Solana Beach	SLBC	California,U.S.A.	33.0010N	117.2690W	38	From 1981-01-01 to 1985-07-31
Solanea	SLBR	Paraiba,Brazil	6.7815S	35.6440W	210	From 2007-01-01
Solania	AR4	Costa Rica	10.3583N	84.9928W	600	
Solarpark Todtenweis	A363A	Germany	48.5230N	10.9333E	537	From 2015-12-01
Solberg Farm, Malta	B20A	Montana,U.S.A.	48.4389N	108.0209W	827	From 2008-09-12 to 2010-07-18
Soldier Meadows	M07A	Nevada,U.S.A.	41.3884N	119.1711W	1400	From 2006-02-17 to 2008-04-15
Soldier's Delight Natural Environment Area	SDMD	Maryland,U.S.A.	39.4102N	76.8403W	212	
Soldiers Grove	J40A	Wisconsin,U.S.A.	43.3965N	90.7406W	353	From 2011-06-17 to 2013-06-06
Soledad Mission	BSMM	California,U.S.A.	36.3833N	121.4280W	939	
Solikamsk	SOKR	Permskiy Kray,Russia	59.5955N	56.7906E	-120	
Solitaire	SOLI	Namibia	23.8612S	16.0395E	1185	
Sollefteaa	SOLU	Sweden	63.2470N	17.2580E	100	From 2000-04-28
Solontsovaya	SOL	Irkutskaya Oblast',Russia	54.1700N	108.3700E	480	From 1979-01-01 to 1988-12-31
Solothurn Schulhaus Brhl	SOLB	Switzerland	47.2068N	7.5171E	430	From 2011-11-21
Solothurn, Zeughausgasse	SOLZ	Switzerland	47.2088N	7.5383E	445	From 2012-01-05
Solovky	SLVR	Arkhangel'skaya Oblast',Russia	65.0280N	35.7017E	15	From 2007-10-26
Solt	PKS3	Hungary	46.7869N	19.0663E	104	
Solunto	SOLUN	Sicily,Italy	38.0920N	13.5330E	190	From 2004-05-12
Solvholt	ISOL	Iceland	63.9290N	20.9440W	30	From 1990-02-20
Soma-Manisa	SOMA	Turkey	39.1564N	27.5341E	243	From 2018-05-03
Sombrero	SWIP	Anguilla	18.5980N	63.4263W	15	
Sombrero	SOM	Magallanes,Chile	52.7808S	69.2422W	73	From 1964-12-22
Somerset	SMC	Colorado,U.S.A.	38.9333N	107.4580W	1905	From 1969-07-01
Somerset East	SOE	Cape Province,South Africa	32.7117S	25.5617E	820	
Somma	SMAR	Kamchatskaya Oblast',Russia	53.2631N	158.8011E	1950	
Sommati	MZ09	Italy	42.6422N	13.3070E	990	From 2016-09-20 to 2016-10-26
Somme Creek	M29M	Yukon Territory,Canada	62.4435N	138.4624W	1297	From 2016-07-26
Somoto	SOMN	Nicaragua	13.4203N	86.6138W	1200	
Somplago	SMP	Italy	46.3400N	13.0583E		
Sondre	SFJ	Greenland	66.9967N	50.6152W	365	
Sonepat	SNP	Uttar Pradesh,India	28.9833N	77.0000E	220	
Songea	NGEA	Tanzania	10.6754S	35.6744E	1200	From 2014-07-12 to 2015-11-04
Songea	SONE	Tanzania,United Republic of Tanzania	10.6738S	35.6507E	1130	
Songino Array Beam Reference Point	SONM	Mongolia	47.8347N	106.3950E	1415	
Songino Array Site A0	SONA0	Mongolia	47.8347N	106.3950E	1415	
Songino Array Site A1	SONA1	Mongolia	47.8468N	106.4032E	1511	
Songino Array Site A2	SONA2	Mongolia	47.8507N	106.3986E	1508	
Songino Array Site A3	SONA3	Mongolia	47.8484N	106.4098E	1563	
Songino Array Site A4	SONA4	Mongolia	47.8400N	106.4043E	1461	
Songino Array Site B1	SONB1	Mongolia	47.8630N	106.4039E	1603	
Songino Array Site B3	SONB3	Mongolia	47.8341N	106.4147E	1537	
Songino Array Site B4	SONB4	Mongolia	47.8339N	106.3604E	1402	
Songino Array Site B5	SONB5	Mongolia	47.8539N	106.3694E	1417	
Songino Ar. Site	SONB2	Mongolia	47.8487N	106.4231E	1582	
SONGINO INFRASONIC ARRAY REFERENCE POINT	I34MN	Mongolia	47.8017N	106.4101E	1245	From 2008-01-14
Songkhla	SNG	Thailand	7.1770N	100.6170E	4	From 1965-10-01
Songkhla	SKLT	Thailand	7.1700N	100.6200E	14	From 2008-01-01
Songo	SONG	Mozambique	15.6033S	32.7783E	900	From 1985-11-01 to 2003-08-15
Songwoldong	KSSOD	Republic of Korea	37.5714N	126.9662E	68	From 2007-12-12
Son La	SLVN	Vietnam	21.3338N	103.9050E	700	
Son La	BMV	Vietnam	21.4542N	103.8533E	380	From 2009-01-01 to 2012-12-31
Sonneberg	SON	Thuringen,Germany	50.3782N	11.1925E	634	
Sonora	431A	Texas,U.S.A.	30.6824N	100.6079W	700	From 2009-02-14 to 2011-01-23
Sonora	SOKY	Kentucky,U.S.A.	37.5260N	85.9650W	204	From 1985-01-01
Sonora Basin	SBCZ	South Island,New Zealand	45.0906S	169.3113E	801	From 1987-01-31 to 1996-04-27
Sonoran Desert, Stanfield	115A	Arizona,U.S.A.	32.7006N	112.2279W	606	From 2006-03-21 to 2008-12-04
Sonora, SON	CSON	Mexico	32.2917N	115.1638W	10	
Sonqor, Kermanshah	SNQR	Iran	34.8578N	47.6280E	2502	From 2018-04-18
Sonseca Array BB	ESBB	Spain	39.6755N	3.9617W	724	
Sonseca Array Beam Reference Point	ESDC	Spain	39.6743N	3.9631W	753	
SONSECA Array Site 01	ES01	Spain	39.6703N	3.9475W	743	
SONSECA Array Site 02	ES02	Spain	39.6771N	3.9355W	734	
SONSECA Array Site 03	ES03	Spain	39.6663N	3.9334W	732	
SONSECA Array Site 04	ES04	Spain	39.6557N	3.9423W	740	
SONSECA Array Site 05	ES05	Spain	39.6624N	3.9590W	763	
SONSECA Array Site 06	ES06	Spain	39.6757N	3.9521W	745	
SONSECA Array Site 07	ES07	Spain	39.6873N	3.9519W	734	
SONSECA Array Site 08	ES08	Spain	39.6923N	3.9251W	721	
SONSECA Array Site 09	ES09	Spain	39.6781N	3.8996W	753	
SONSECA Array Site 10	ES10	Spain	39.6580N	3.9026W	758	
SONSECA Array Site 11	ES11	Spain	39.6487N	3.9200W	758	
SONSECA Array Site 12	ES12	Spain	39.6387N	3.9429W	761	
SONSECA Array Site 13	ES13	Spain	39.6501N	3.9660W	762	
SONSECA Array Site 14	ES14	Spain	39.6518N	3.9885W	779	
SONSECA Array Site 15	ES15	Spain	39.6642N	4.0004W	776	
SONSECA Array Site 16	ES16	Spain	39.6868N	3.9943W	775	
SONSECA Array Site 17	ES17	Spain	39.7004N	3.9728W	766	
SONSECA Array Site 18	ES18	Spain	39.7102N	3.9493W	750	
SONSECA Array Site 19	ES19	Spain	39.7006N	3.8991W	720	
Sonseca Array Site A	ESLA	Spain	39.6743N	3.9631W	752	From 1989-07-31
Sonseca Array Site B	ESLB	Spain	39.8415N	4.0172W	612	From 1991-06-01
Sonseca Array Site C	ESLC	Spain	39.7950N	3.8133W	687	
Sonseca Array Site D	ESLD	Spain	39.6099N	3.7843W	807	From 1991-06-01
Sonseca Array Site E	ESLE	Spain	39.5072N	3.9734W	801	From 1991-06-01
Sonseca Array Site F	ESLF	Spain	39.5957N	4.1701W	911	From 1991-06-01
Sonseca Array Site G	ESLG	Spain	39.7446N	4.1950W	830	From 1991-06-01
Sontecomapan	PMUV	Veracruz	18.5448N	95.1225W	783	
Sonzapote	SONZ	Costa Rica	11.1152N	85.6073W	148	From 2004-01-01
Sooke	SOKB	British Columbia,Canada	48.3947N	123.6731W	45	From 2008-03-17
Sooner Cattle Company, Foraker	T35A	Oklahoma,U.S.A.	36.9161N	96.5121W	401	From 2010-05-06 to 2012-03-06
Sooner Cattle Company, Foraker	T35B	Oklahoma	36.9162N	96.5119W	413	From 2014-02-19
Sopachiv	RNPP9	Ukraine	51.4120N	25.8905E	165	
Sop, Niakhar	SOK	Senegal	14.4956N	16.4533W	54	From 2019-02-10
Sopron	SOP	Hungary	47.6833N	16.5583E	260	
Sording	SRDN	Orissa	21.8750N	85.7789E	374	From 2017-04-24
Sorel	SO-	Quebec,Canada	45.7550N	72.2550W	152	From 1962-07-06 to 1962-07-17
Sorel	SO-QB	Quebec,Canada	45.7550N	72.2550W	152	From 1962-07-06 to 1962-07-17
S.Oreste - Soratte	SRES	Italy	42.2371N	12.5101E	410	From 2013-05-22
Sornfelli, Faroe Islands	SOFL	Faeroe Islands	62.0689N	6.9658W	721	From 2007-11-01
Soroa	SOR	Cuba	22.7917N	83.0078W	206	
Soroako, Sulawesi	SKSI	Sulawesi,Indonesia	2.5283S	121.3350E	602	From 2008-01-01
Soroca	SORM	Moldova	48.1349N	28.3513E	98	From 2007-09-28
Sorokina	SRKR	Kamchatskaya Oblast',Russia	56.6540N	161.1680E	849	From 2005-09-19
Sorong	SWI	Irian Jaya,Indonesia	0.8630S	131.2598E	0	
Sorong	SIJI	Irian Jaya,Indonesia	0.8691S	131.2661E	193	From 2010-03-29
Soroni, Rhodes Isl.	RSO1	Greece	36.3632N	28.0015E	12	From 2012-08-01
Sorpetalsperre	SORT	Nordrhein-Westfalen,Germany	51.3497N	7.9714E	280	From 1999-01-01
Sorrento Valley	CPE1	California	32.8800N	117.1000W	178	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Sort	CSOR	Spain	42.3756N	1.1339E	1227	
Sortino	SSY	Sicily,Italy	37.1539N	15.0719E	540	
Sortland	N2SO	Norway	68.7138N	15.4380E	1	From 2013-08-01 to 2016-05-30
Sos del Rey Catolico	YSOS	Spain	42.4554N	1.1470W	881	From 2010-05-01
Sos Enattos	SENA	Sardinia	40.4444N	9.4566E	227	From 2019-10-18
Sospel	SBF	Provence-Cote d'Azur,France	43.8631N	7.4352E	847	From 1985-06-01
Sosua Marina Base	SODR	Dominican Republic	19.7525N	70.5763W	16	From 2014-05-29
Sotra	SOTS	Norway	60.3500N	5.1100E	30	From 2002-01-01
Souberoche	SOU	Rhone-Alpes,France	44.6614N	5.6903E	960	
Souda	CHNB	Crete	35.4870N	24.0662E	0	
Soufli	SFL1	Greece	41.1899N	26.3042E	21	From 2011-10-01
Soufriere	PSDMA	Dominica	15.2350N	61.3570W	60	
Soufriere Village	DSVT	Dominica	15.2290N	61.3700W	5	
Soufriere Volcano	SVV	St Vincent,Saint Vincent and the Grenadines	13.3180N	61.2160W	243	From 1978-09-24
soultz borehole - etangs GEIE	SZBH	Alsace	48.9326N	7.8631E	-46	From 2015-03-26
Souni	SZAC	Cyprus	34.7550N	32.8820E	512	From 1998-11-16 to 2017-07-12
Source of Smith Creek	SOSW	Washington,U.S.A.	46.2440N	122.1370W	1270	
Sourdough	SDG	Alaska,U.S.A.	62.5270N	145.5430W	625	From 1986-01-01
Sourhope Farm	XSO	Scotland,United Kingdom	55.4925N	2.2511W	495	From 1983-10-19
South Baldy	SBM	New Mexico,U.S.A.	33.9752N	107.1810W	3230	
South Bangong	ST17A	Xizang Zizhiqu,China	31.9516N	89.3099E	4595	From 1998-07-24 to 1998-08-11
South Bangong Suture	ST21	Xizang Zizhiqu,China	32.2289N	89.1337E	4655	From 1998-07-24 to 1999-05-29
South Base Booster	BOOC	California,U.S.A.	34.8680N	117.9103W	704	
South Boqe	ST03	Xizang Zizhiqu,China	30.8469N	90.1919E	4796	From 1998-07-17 to 1998-08-19
South Creake	SCK	England,United Kingdom	52.8797N	0.7506E	61	
South Dennis	COD	Massachusetts,U.S.A.	41.6858N	70.1350W	-85	
South Deqen	ST00	Xizang Zizhiqu,China	30.5258N	90.1027E	4810	From 1998-07-17 to 1999-04-06
South Doima	ST26A	Xizang Zizhiqu,China	32.6977N	88.8670E	4833	From 1998-07-25 to 1999-06-05
Southeast Heping	ST23	Xizang Zizhiqu,China	32.4226N	89.1076E	4727	From 1998-07-24 to 1999-06-05
SOUTHEAST OF BOCA DE BIGOA	EC18	Ecuador	0.2141S	80.1776W	242	From 2016-05-15
South End of Cholame Valley, Shandon	THIS	California,U.S.A.	35.7240N	120.2284W	643	From 2012-05-07
South Entrance	YPSE	Wyoming,U.S.A.	44.1363N	110.6667W	2073	
Southern Antelope Island	AIUT	Utah,U.S.A.	40.8558N	112.1750W	1334	From 1983-04-01 to 1990-05-09
Southern Antelope Island	SAIU	Utah,U.S.A.	40.8548N	112.1810W	1384	From 1990-05-10
Southern Illinois University	SIUC	Illinois,U.S.A.	37.7149N	89.2176W	137	From 1984-01-01
Southern Oregon Univeristy DOGAMI SMO	SOUA	Oregon,U.S.A.	42.1836N	122.6963W	634	From 2005-04-28
South Fork, S13	SCR13	Colorado	37.6701N	106.6530W	2511	
South Grapevine Mountains	SGV	California,U.S.A.	36.9806N	117.0327W	1571	From 1978-11-28 to 2002-10-10
South Haven SW Station	KAN13	Kansas,U.S.A.	37.0129N	97.4778W	340	From 2014-05-09
South Heping	ST24	Xizang Zizhiqu,China	32.4800N	88.9841E	4905	From 1998-07-10 to 1999-06-05
South Ingalls	SIG	Colorado,U.S.A.	39.6878N	105.0650W		
South Jangngalda	ST33	Xizang Zizhiqu,China	33.3274N	88.8316E	5032	From 1998-07-10 to 1999-06-04
South Kanaga	AD6	Alaska,U.S.A.	51.7083N	177.2420W	137	From 1974-01-01 to 1992-02-01
South Karori	SNZO	North Island,New Zealand	41.3103S	174.7050E	-10	From 1975-12-01
South Lassen	LSLM	California,U.S.A.	40.4337N	121.5360W	1060	From 1976-11-12
South Mountain	SMNC	North Carolina,U.S.A.	35.5835N	81.6360W	722	
South Mountain	SMW	Washington,U.S.A.	47.3195N	123.3420W	840	From 1975-03-24
South Mountain, Millburn	N61A	New Jersey,U.S.A.	40.7519N	74.2969W	108	From 2013-09-05
South Ngauruhoe	SNVZ	North Island	39.1862S	175.6403E	1604	From 2015-03-27
SOUTH OF ESTERO SECO	EC17	Ecuador	0.0268S	79.8477W	399	From 2016-05-15
SOUTH OF LIMONES	EC07	Ecuador	0.1848S	79.5458W	167	From 2016-05-14
SOUTH OF MONTECRISTI	EC20	Ecuador	1.2737S	80.4322W	151	From 2016-05-16
South of Nakchu	SANG2	Xizang Zizhiqu,China	31.0216N	91.7003E	4715	From 1998-08-01 to 1998-10-06
SOUTH OF SALIMA	EC13	Ecuador	0.3079N	79.9486W	36	From 2016-05-12
SOUTH OF TABIAZO	EC14	Ecuador	0.7808N	79.6977W	64	From 2016-05-13
South Palgon	ST09	Xizang Zizhiqu,China	31.4212N	90.0044E	4745	From 1997-07-19 to 1999-06-02
South Pangkog	ST14	Xizang Zizhiqu,China	31.7702N	89.7083E	4607	From 1998-07-20 to 1999-05-31
South Point	SPT	Hawaii,U.S.A.	18.9823N	155.6707W	250	From 1971-03-10
South Pole	SPA	Antarctica	89.9954S	115.0000E	2927	From 1957-01-01 to 2005-03-26
South Pole Quiet Zone Earth Science Obs.	QSPA	Antarctica	89.9279S	145.0000E	2657	
South Promontory Point	SPUT	Utah,U.S.A.	41.3086N	112.4492W	1634	
South Ridge	HSR	Washington,U.S.A.	46.1728N	122.1830W	1774	
South Ridge	SGE	Fiji	17.5892S	177.9230E	1021	
South Serting	ST15A	Xizang Zizhiqu,China	31.8502N	89.5766E	4574	From 1998-07-25 to 1998-09-04
South Tanaga	AK2	Alaska,U.S.A.	51.6633N	177.9300W	99	From 1976-10-01 to 1992-02-01
South Tanaga	AT2	Alaska,U.S.A.	51.6633N	177.9300W	99	From 1975-01-01 to 1976-10-31
South Thanglha	ST32	Xizang Zizhiqu,China	33.2424N	88.8352E	4927	From 1997-07-13 to 1999-06-03
Southwest Bangong	ST18	Xizang Zizhiqu,China	31.9647N	89.2691E	4619	From 1998-07-24 to 1999-05-30
Southwest Bay	SWB	Vanuatu	16.5087S	167.4200E		
Southwest Doima	ST26	Xizang Zizhiqu,China	32.6611N	88.9156E	4849	From 1998-07-11 to 1998-08-19
Southwest Flank Mount Saint Helens	SWFL	Washington,U.S.A.	46.1887N	122.2020W	2268	From 2006-10-10
Southwest Flank, Mt. St. Helens	SWF2	Washington,U.S.A.	46.1784N	122.2168W	1548	From 2013-08-29
Southwest Heping	ST23A	Xizang Zizhiqu,China	32.4714N	89.0496E	4861	From 1998-07-26 to 1999-06-05
SOUTHWEST OF TABUGA	EC16	Ecuador	0.1086S	80.1950W	93	From 2016-05-14
Southwest Rift	SWH	Hawaii,U.S.A.	19.4543N	155.6050W	4048	
South Whidbey SD ANSS-SMO	SWID	Washington,U.S.A.	48.0084N	122.4129W	62	From 2001-07-23
Sowa	SOOWA	Botswana	20.5628S	26.2178E	941	
Soyaes	JSE	Soya,Japan	44.9588N	142.5842E	10	
SPA	SPAC	Baja California	31.5557N	115.9417W	1051	
Spahl	SPAHL	Thuringen	50.6526N	9.9099E	441	From 2016-04-01
Spaichingen-Kochelsberg	SPAK	Baden-Wurttemberg,Germany	48.1023N	8.7858E	990	From 1997-01-01 to 2011-12-31
Spangler Hills	WSHM	California,U.S.A.	35.5996N	117.4926W	764	
Sparrevohn	SVW	Alaska,U.S.A.	61.1082N	155.6220W	762	From 1967-08-01 to 2004-10-14
Sparrevohn	SVW2	Alaska,U.S.A.	61.0973N	155.5809W	498	
Sparta	Z54A	Georgia,U.S.A.	33.2362N	82.8417W	134	From 2012-04-12
Sparta	SR-OR	Oregon,U.S.A.	44.9403N	117.4278W	1341	From 1963-03-19 to 1963-06-03
Sparta	SR-	Oregon,U.S.A.	44.9403N	117.4278W	1341	From 1963-03-19 to 1963-06-03
Spellman Lake, Hanley Falls	H34A	Minnesota,U.S.A.	44.6673N	95.7770W	329	From 2010-07-24 to 2012-06-06
Spence Gulch, Sunbeam	N20A	Colorado,U.S.A.	40.8338N	108.2626W	2192	From 2007-11-13 to 2010-06-10
Spence Mountain	VSP	Oregon,U.S.A.	42.3417N	121.9500W	1539	
Spencer City Hall	OK008	Oklahoma,U.S.A.	35.5071N	97.3838W	368	
Spencer Herefords Ranch, Brewster	L30A	Nebraska,U.S.A.	41.9492N	99.7196W	782	From 2009-09-07 to 2011-04-09
Speyside	TOSP	Trinidad and Tobago	11.2984N	60.5353W	10	From 2007-05-09
Spezzano della Sila	SPS2	Italy	39.2941N	16.3379E	685	From 2014-12-30
S.Piero in Campo Elba	CELB	Italy	42.7466N	10.2107E	741	From 2011-06-03
Spijk (Roodeschool)	SPY2	Netherlands	53.4098N	6.7838E	-59	From 2010-07-08
Spijk (Roodeschool)	SPY3	Netherlands	53.4098N	6.7838E	-89	From 2010-07-08
Spijk (Roodeschool)	SPY1	Netherlands	53.4098N	6.7838E	-29	From 2010-07-08
Spijk (Roodeschool)	SPY4	Netherlands	53.4098N	6.7838E	-119	From 2010-07-08
Spilker Farm, Colbert	C10A	Washington,U.S.A.	47.8192N	117.3077W	684	From 2006-09-06 to 2008-06-11
Spine 5 MSH Spider	SPN5	Washington,U.S.A.	46.1947N	122.1884W	2263	From 2007-06-18
Spinea	SPINE	Italy	45.4943N	2.1594E	6	From 1901-01-01 to 1911-12-31
Spinello di Santa Sofia (FC)	T0501	Italy	43.9472N	12.0102E	667	From 2011-05-25
Spinney Mt Res., N19	NCR19	Colorado	39.0026N	105.5599W	2702	
Spinoso	SPIE	Italy	40.2271N	15.9887E	1200	
Spiridon Lake	SPL	Alaska,U.S.A.	57.7592N	153.7710W	600	From 1975-10-01
Spitak	SPIZ	Armenia	40.8250N	44.2700E	1590	
Spitak	SPZA	Armenia	40.8317N	44.2617E	1600	
Spitsbergen Array Beam Reference Point	SPITS	Svalbard,Norway	78.1777N	16.3700E	323	
Spitsbergen Array Site A0	SPA0	Svalbard,Norway	78.1777N	16.3700E	323	From 1992-11-01
Spitsbergen Array Site A1	SPA1	Svalbard,Norway	78.1797N	16.3755E	320	
Spitsbergen Array Site A2	SPA2	Svalbard,Norway	78.1759N	16.3766E	250	
Spitsbergen Array Site A3	SPA3	Svalbard,Norway	78.1773N	16.3588E	339	
Spitsbergen Array Site B1	SPB1	Svalbard,Norway	78.1796N	16.3906E	301	
Spitsbergen Array Site B2	SPB2	Svalbard,Norway	78.1742N	16.3846E	200	From 1992-11-01
Spitsbergen Array Site B3	SPB3	Svalbard,Norway	78.1737N	16.3584E	234	
Spitsbergen Array Site B4	SPB4	Svalbard,Norway	78.1789N	16.3482E	340	
Spitsbergen Array Site B5	SPB5	Svalbard,Norway	78.1823N	16.3683E	295	
Split Crater	SPCI	Idaho,U.S.A.	43.4500N	112.6370W	1520	From 1992-01-01
Split Rock	SPRM	New South Wales,Australia	30.5748S	150.6877E	456	
Spokane	SPO	Washington,U.S.A.	47.7300N	117.3420W	713	From 1909-01-01 to 1969-12-31
Spokane Avenue Albany	C008	California,U.S.A.	37.8957N	122.2936W	4	From 2009-05-01
Spokane Nat. Inst. Occ. Safety SMO	SNIO	Washington,U.S.A.	47.6794N	117.4050W	584	
Spokane Schools, Ferris High School ANSS-SMO	SFER	Washington,U.S.A.	47.6194N	117.3665W	715	From 2001-08-09
Spokane Temp K2 (Swanson)	SHLY	Washington,U.S.A.	47.7084N	117.4160W	626	From 2001-11-18
Spotswood, Melbourne	MLBS	Victoria,Australia	37.8291S	144.8944E	8	From 2013-02-25
Spotsylvania Fire Department	SPFD	Virginia,U.S.A.	38.1353N	77.5211W	79	
Spotted Range	SPRG	Nevada,U.S.A.	36.6938N	115.8093W	1240	From 1979-05-28 to 2002-10-10
Springbok	SBO	Cape Province,South Africa	29.6698S	17.8789E	1055	From 1993-11-01 to 2004-05-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Spring Butte	VSBM	Oregon,U.S.A.	43.5237N	121.3470W	1664	
Spring Creek 3	SPR3	Nevada,U.S.A.	38.9989N	114.3314W	2815	From 2014-06-25
Spring Creek Lake, Blk. Kettle Nat Grslnd	V31A	Oklahoma,U.S.A.	35.7739N	99.8425W	687	From 2009-04-08 to 2011-02-15
Springerville	SV-AZ	Arizona,U.S.A.	34.1756N	109.1469W	2134	From 1961-11-25 to 1962-05-03
Springerville	SV-	Arizona,U.S.A.	34.1756N	109.1469W	2134	From 1961-11-25 to 1962-05-03
Springfield	SPFS	South Island	43.3396S	171.9288E	396	
Springfield	SGN	Nebraska,U.S.A.	41.0658N	96.2188W	347	From 1979-11-06 to 1981-09-01
Springfield	S49A	Kentucky,U.S.A.	37.7849N	85.2875W	230	From 2012-06-08
Springhill	SHIN	Indiana,U.S.A.	39.4278N	87.4083W	168	
Spring Hill	FPTT	Tennessee	35.9787N	89.1207W	107	From 1989-12-02
Spring Hill	SHA	Alabama,U.S.A.	30.6944N	88.1428W	61	From 1910-12-01
Spring Hill	RCET	Tennessee	36.0070N	89.1315W	78	From 1990-05-18
Spring Road, Mineral	SPRD	Virginia,U.S.A.	38.0234N	77.8799W	110	
Springvale	WSDZ	North Island,New Zealand	39.9153S	174.9687E	100	From 1982-10-15 to 1982-10-24
Springville	O16A	Utah,U.S.A.	40.2067N	111.5024W	1789	From 2007-06-27 to 2009-04-09
Springville	U46A	Tennessee,U.S.A.	36.3590N	88.1773W	146	From 2011-11-20
Springville 2	SPG2	California,U.S.A.	36.2006N	118.7662W	625	
Spulber	SPBR	Romania	45.7492N	26.7505E	566	From 2018-02-16
Spur Ranch, Miami	V30A	Texas,U.S.A.	35.7623N	100.6892W	931	From 2009-04-03 to 2011-02-16
Spurr Blockage Glacier	SPBG	Alaska,U.S.A.	61.2597N	152.3699W	1087	
Spurr Capps Glacier	SPCG	Alaska,U.S.A.	61.2919N	152.0205W	1329	
Spurr Chakachatna River	SPCR	Alaska,U.S.A.	61.2003N	152.2091W	984	From 2005-11-01
Spurr Northwest	SPNW	Alaska,U.S.A.	61.3471N	152.6039W	1040	
Spurr West	SPWE	Alaska,U.S.A.	61.2740N	152.5568W	1233	
Spur Tree	SPJ	Jamaica	17.9959N	77.5596W	751	
Squaw Creek	SQK	California,U.S.A.	38.8234N	122.8101W	639	
Squaw Harbor	SQF	Alaska,U.S.A.	55.2200N	160.5620W	360	
Squaw Lake	F24K	Alaska,U.S.A.	67.5187N	147.8871W	736	From 2016-06-30
Squaw Peak	SQU	Utah,U.S.A.	40.2817N	111.6110W	2353	From 1974-09-01 to 1980-07-31
Squaw Tit	TIT	California,U.S.A.	41.0733N	123.9800W	700	
SR410 Landslide	SR41	Washington,U.S.A.	46.8867N	121.5366W	1454	From 2015-07-09
Srakaew	SRAK	Thailand	14.0120N	102.0425E	96	
Srbac	A052A	Bosnia and Herzegovina	45.1026N	17.5139E	139	
SRDT	SRDT	Thailand	14.3495N	99.1212E	122	From 2008-10-22
Sredinnyy	SRDR	Kamchatskaya Oblast',Russia	56.3170N	159.7170E	800	
Sredneye Shipitsyno	SHIP	Arkangel'skaya Oblast'	61.6171N	45.9044E	68	From 2019-08-19
Sredniy Kalar	SRK	Chitinskaya Oblast',Russia	55.8690N	117.3750E	716	
SRI GANGA NAGAR	SRGN	Rajasthan	29.9220N	73.8860E	187	From 2017-11-27
Srikalahasti	SKHT	Andhra Pradesh,India	13.7408N	79.7095E	74	From 2008-12-26
Srinagar	SRNI	Jammu and Kashmir,India	34.1000N	74.8500E		
SRINAGAR	SRIN	Jammu and Kashmir	34.0600N	74.5100E	1587	From 1982-04-30
Sriramsagar	SRSP	Andhra Pradesh,India	18.9283N	78.3433E	315	From 2008-10-23
Srisailam	SRLM	Andhra Pradesh,India	16.1000N	78.8917E	480	From 2008-10-16
Srobarova	SRO	Slovakia	47.8133N	18.3133E	150	
SS1	SSX	Nevada,U.S.A.	37.2282N	116.2900W	2248	From 1965-01-01 to 1970-12-31
SSKAK	SSKAK	Saudi Arabia	29.7540N	40.4945E	100	
Stadel, Weggabelung Kl. Forstamt, Aemperg, ZH	QEG01	Switzerland	47.5555N	8.4667E	468	From 2016-10-13
Stadlberg, Tirol	A034A	Austria	46.9091N	13.0787E	1050	From 2015-09-07
Stafford Cattle Company, Roaring Springs	Y30A	Texas,U.S.A.	33.8766N	100.8978W	812	From 2009-03-11 to 2011-02-13
Staff village, 3527	M3527	South Africa	22.6903S	31.0143E	501	
STAIM	STAIM	Saudi Arabia	27.1678N	38.8298E	100	
STALIGIAL	STAL	Italy	46.2601N	12.7104E	625	From 2010-05-25
Stalkov	STAC	Czech Republic	49.0295N	15.2996E	620	
Stanardsville	R57A	Virginia,U.S.A.	38.2970N	78.5232W	230	From 2013-04-25
Standing Stone	SSPA	Pennsylvania,U.S.A.	40.6358N	77.8876W	270	From 1993-07-05
St-Andre-du-Lac-St-Jean	SANQ	Quebec,Canada	48.3200N	71.9900W	296	From 1984-11-25
Stanford	STAN	California,U.S.A.	37.4039N	122.1751W	125	From 1991-04-15 to 1994-06-30
Stanford	LT4	California,U.S.A.	37.4052N	122.1760W	143	From 1966-12-13
Stanford	JSFM	California,U.S.A.	37.4052N	122.1760W	143	From 1966-12-13
Stanford Telescope	SFT	California,U.S.A.	37.4052N	122.1760W	143	From 1966-12-13
Stanford Telescope, Santa Clara County	JSFB	California,U.S.A.	37.4037N	122.1760W	118	From 2000-12-12
Stanfors	ODEU	Sweden	64.4085N	20.7162E	212	
Stanga	SGAS	Sweden	57.3040N	18.4730E	43	From 1980-01-01 to 1991-12-31
Stanley	STID	Idaho,U.S.A.	44.1148N	114.8660W	1993	From 1992-12-01
St Anne's School, Harvey	AUHAR	West Australia,Australia	33.0900S	115.8900E	39	From 2014-04-09
Stansbury Island	SBU	Utah,U.S.A.	40.8218N	112.4670W	1317	From 1974-07-01 to 1976-10-31
Stansbury Island BLM, Grantsville	N15A	Utah,U.S.A.	40.8903N	112.5201W	1408	From 2007-02-18 to 2009-04-04
Stansbury North	SNUT	Utah,U.S.A.	40.8857N	112.5090W	1652	
Stansbury North	SNU	Utah,U.S.A.	40.9238N	112.5100W	1378	From 1978-05-01 to 1986-09-30
Stans, Spital NW	SSTS	Switzerland	46.9610N	8.3568E	444	From 2014-03-13
Star City	STAR	Arkansas,U.S.A.	33.8920N	91.7780W	107	From 1981-02-08
Stare Sedliste	A071A	Czech Republic	49.7419N	12.6911E	502	From 2015-10-27
Starunia	STNU	Carpathian Mountains	48.7106N	24.5014E	391	From 2007-08-30
Star Valley	STI	Idaho,U.S.A.	42.8022N	111.0508W	2149	From 1976-12-01 to 1979-09-30
Staryi Chortoryisik	RNPP5	Ukraine	51.2291N	25.8855E	188	
Stasimo	S005	Greece	37.4000N	21.9190E	703	
State Center	SCIA	Iowa,U.S.A.	41.9069N	93.2153W	311	From 2006-06-02
State College	SCP	Pennsylvania,U.S.A.	40.7950N	77.8650W	352	From 1966-10-20
State College	SCP1	Pennsylvania,U.S.A.	40.8099N	77.8694W	353	
State Game Land 141, Hazleton	N59A	Pennsylvania,U.S.A.	40.9168N	75.7703W	508	From 2010-11-08
State Highway 12, Trinidad	MHTCO	Colorado,U.S.A.	37.1280N	104.6910W	1978	
Stateville	455A	Georgia,U.S.A.	30.7422N	83.0260W	44	From 2012-02-11
Statfjord A Platform	STF	Norway	61.2560N	1.8170E	-148	
Station 2	STX	Nevada,U.S.A.	37.1940N	116.1610W	1632	From 1964-01-01 to 1970-12-31
Station ALOHA	ALOHA	Hawaii	22.7500N	158.0000W	-9456	From 2007-02-16
Statte	SAE	Italy	40.5619N	17.2061E		
Stauanlage Cunera	CURA	Switzerland	46.6348N	8.7108E	1960	From 2009-10-28
St Aubert, Comte d'Islet	D61A	Quebec,Canada	47.2022N	70.1868W	146	From 2013-08-02
Staufenbuehl	STAB	Baden-Wurttemberg,Germany	48.2709N	9.0402E	898	From 2000-10-25 to 2020-02-01
Staufenhaus Bad Reichenhall	RTSH	Bayern	47.7545N	12.8499E	1638	From 2009-05-28
Staufen im Breisgau	STAU	Baden-Wurttemberg,Germany	47.8640N	7.7322E	299	From 2001-01-04
St Austell	CSA1	England,United Kingdom	50.3527N	4.8919W	112	From 1981-01-01
Stavanger	STAV	Norway	58.9348N	5.7022E	28	
Stavd-Durt	STDR	Severo-Osetinskaya,Russia	43.3689N	44.0631E	352	From 2009-03-14
Stavros	STV1	Greece	40.6648N	23.6970E	20	From 2008-10-01
Stavros Akrotiri	AKRT	Crete,Greece	35.5896N	24.0840E	10	From 2006-06-01
Stavrpu;p[is Thessaloniki	STL1	Greece	40.6623N	22.9350E	51	From 2011-06-01
St Barthlmy	SBLM	Guadeloupe	17.9150N	62.8507W	108	From 2016-02-01
St. Boniface College	STBON	Manitoba	49.8919N	97.1108W	230	From 1910-01-21 to 1922-11-25
St. Charles CC	SCMO	Illinois,U.S.A.	38.7618N	90.6413W	152	
St. Cloud	858A	Florida,U.S.A.	28.2126N	81.3616W	27	From 2012-02-14
St. Cloud Mine, Winston	Z21A	New Mexico,U.S.A.	33.3086N	107.6712W	1964	From 2008-02-22 to 2009-12-08
STCN	STCN	Baja California	31.7668N	115.8178W	1417	
St. Croix	CDVI	Virgin Islands	17.7518N	64.7661W	3	From 2005-02-01
Stead Airport, Stead	P06A	Nevada,U.S.A.	39.6785N	119.8983W	1368	From 2006-04-28 to 2008-03-04
Ste Agathe de Lotbiniere,	E60A	Quebec,Canada	46.3689N	71.4469W	181	From 2013-08-07
Steamboat Mountain	STEW	Wyoming,U.S.A.	44.0497N	110.6967W	2316	From 1986-01-01 to 2007-08-07
Steamboat Mountain	H27K	Alaska,U.S.A.	66.2305N	141.5265W	786	From 2016-07-25
Steam Cracks	STCH	Hawaii,U.S.A.	19.3853N	155.1250W	765	
Steaming Bluff	SBLHI	Hawaii,U.S.A.	19.4270N	155.2680W	1084	
Stebnicka Huta	STHS	Slovakia	49.4167N	21.2437E	534	From 2004-12-01
Steborice	STEB	Czech Republic	49.9343N	17.7728E	377	From 2010-10-19
Ste-Clotilde	SURQ	Quebec	45.1675N	71.7081W	60	From 2019-02-15
Ste Croix	LASF	Rhone-Alpes,France	44.0761N	3.8570E	520	
Steele Glacier	YUK8	Yukon Territory,Canada	61.2844N	139.7646W	2456	From 2012-09-07
Steenkerk	BSKQ	Belgium	50.6487N	4.0796E	63	From 1994-08-01
Stefanesti	STFR	Romania	44.5324N	26.2131E	122	From 2004-05-05
Stefanesti-Arges	STFAR	Romania	44.8629N	24.9609E	495	From 2014-07-02
Stefani	STEF	Greece	38.1650N	23.5470E	733	
Stefani	STFN	Greece	38.1766N	23.5440E	582	
Steigen	STEI	Norway	67.9300N	15.2420E	21	From 2007-06-17
Stein am Rhein	STEIN	Switzerland	47.6697N	8.8690E	540	From 2003-08-29
Steinbach	BA18	Nordrhein-Westfalen,Germany	50.5938N	6.8393E	262	From 2006-10-01
Steinbach	A030A	Austria	47.8277N	13.5612E	640	From 2015-11-12
Steinbach	STB	Nordrhein-Westfalen,Germany	50.5940N	6.8400E	270	From 1975-12-01
Steiner Alm	RTSA	Bayern	47.7683N	12.8417E	1066	From 2012-08-10
Steinschlaghuette ILLGRABEN, VS	ILL18	Switzerland	46.2776N	7.6152E	1449	From 2018-05-22
Steinweiler	INS2	Germany	49.1201N	8.1337E	134	From 2012-08-15 to 2014-12-08
Steinweiler	ROTT	Germany	49.1291N	8.1487E	-177	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Ste Jean	SJPF	Aquitaine,France	43.1133N	1.2250W	450	From 1996-04-03
Ste-Julie	SJUQ	Quebec,Canada	45.5621N	73.3233W	66	From 2019-05-12
Stelbrattur	ISTE	Iceland	64.8559N	19.6275W	740	From 2015-09-30
St-Eleuthere	SELQ	Quebec,Canada	47.5000N	69.3600W	459	From 1984-08-28
Stellar Camp, Hudson Bay	STLN	Nunavut,Canada	67.3116N	92.9849W	204	From 2006-08-18
Ste Marie-Mines	SMM	Alsace,France	48.2158N	7.1583E		
Stenlille00	STE00	Denmark	55.5487N	11.6227E	43	From 2018-08-15 to 2020-12-31
Stenlille01	STE01	Denmark	55.5480N	11.6438E	43	From 2018-08-15 to 2020-12-31
Stenlille02	STE02	Denmark	55.5392N	11.6559E	53	From 2018-09-14 to 2020-12-31
Stenlille03	STE03	Denmark	55.5582N	11.5754E	33	From 2018-08-15 to 2020-12-31
Stenlille04	STE04	Denmark	55.5083N	11.6201E	41	From 2018-09-14 to 2020-12-31
Stenlille05	STE05	Denmark	55.5892N	11.5949E	33	From 2018-09-14 to 2020-12-31
Stenlille06	STE06	Denmark	55.5168N	11.5926E	38	From 2018-10-24 to 2020-12-31
Stent	MSTM	California,U.S.A.	37.9045N	120.4050W	366	From 1972-04-19
Stepanavan	STE	Armenia	41.0000N	44.3700E	1390	From 1951-01-01
Stepanavan 1	ST1S	Armenia	40.9983N	44.3983E	1410	
Stepanavan 2	ST2S	Armenia	41.0217N	44.2600E	1625	
Stepanavan 7	ST7	Armenia	40.8883N	44.2792E	1910	
Stepenevan	STEZ	Armenia	41.0000N	44.3990E	1423	From 1996-10-01
Stephens Creek	STK	New South Wales,Australia	31.8817S	141.5920E	213	From 1974-04-01 to 2006-05-29
Stephens Creek	STKA	New South Wales,Australia	31.8769S	141.5952E	272	From 1991-09-20
Stephens Glacier	SGA	Alaska,U.S.A.	61.4207N	146.3950W	1326	From 1974-07-11 to 1976-01-28
Stepladder Mountains	STP	California,U.S.A.	34.5712N	114.8480W	628	From 1974-04-01 to 1976-10-31
Stepnoy Dvorets	STDB	Buryatiya,Russia	52.1690N	106.3660E	458	From 1999-08-01
Sterling	SGU	Utah,U.S.A.	39.1823N	111.6447W	2357	From 1978-10-01
Sterling City	SGCY	Texas,U.S.A.	31.9144N	101.1264W	776	From 2017-02-08
Sterling City	230A	Texas,U.S.A.	31.8878N	101.1124W	742	From 2009-03-03 to 2011-02-05
Sterling Forest	SFN	New York,U.S.A.	41.1962N	74.2612W	244	
Sterling Forest	SFO	New York,U.S.A.	41.1962N	74.2600W	300	From 1962-01-01 to 1975-08-31
Sterusy	A334A	Slovakia	48.6044N	17.6747E	224	From 2015-09-16
St-Etienne Orgue	STOF	France	43.9980N	5.9090E	650	
St. Eustatius	SEUS	Netherlands Antilles,Netherlands Antilles	17.4928N	62.9814W	46	From 2006-10-29
St. Eustatius G	SEUG	Netherlands Antilles	17.4800N	62.9720W	50	From 2013-12-01
St. Eustatius H	SEUH	Netherlands Antilles	17.4820N	62.9830W	50	From 2013-12-01
St. Eustatius T	SEUT	Netherlands Antilles	17.4690N	62.9750W	50	From 2013-12-01
St Evariste	F61A	Quebec,Canada	45.9743N	70.9921W	350	From 2013-08-05
Stevens Creek	SEC	California,U.S.A.	37.2845N	122.1240W	357	From 1966-12-23
Stevens Creek	LT1	California,U.S.A.	37.2845N	122.1240W	357	From 1966-12-23
Stevens Creek	JSCM	California,U.S.A.	37.2845N	122.1240W	357	From 1966-12-23
Stev Forest Ranch, Sanderson	529A	Texas,U.S.A.	30.1246N	102.2204W	764	From 2009-02-12 to 2010-12-11
Stewart Farms, Lamesa	129A	Texas,U.S.A.	32.6309N	101.8662W	876	From 2009-01-31 to 2010-12-07
Stewart Island	SIZ	Stewart Island,New Zealand	46.8734S	168.1331E	60	From 1990-12-12 to 2001-10-24
St. Gallen Kloster	STGK	Switzerland	47.4241N	9.3785E	672	From 2012-01-27
St. George Fire Station	SGSU	Utah,U.S.A.	37.0474N	113.6064W	755	From 2009-12-10
St-Georges	SGRQ	Quebec,Canada	46.1400N	70.5800W	330	From 1984-08-30
St. Georges / Gimel	GIMEL	Switzerland	46.5347N	6.2658E	1130	From 1999-09-06
Stickney	SY-	South Dakota,U.S.A.	43.6056N	98.4917W	488	From 1962-10-12 to 1962-10-27
Stickney	SY-SD	South Dakota,U.S.A.	43.6056N	98.4917W	488	From 1962-10-12 to 1962-10-27
Stiegenhof Hundestation	STIEG	Switzerland	47.4977N	8.6540E	535	From 2012-08-01
Stignano (FG) Italy	OT04	Italy	41.7196N	15.5807E	279	From 2013-04-15
Stiles	STLY	New York,U.S.A.	41.1886N	74.0036W	125	
Stilesville Quarry	SVNB	New Brunswick,Canada	46.1628N	64.8750W	190	From 2013-09-06
Stillwater	ST-	Nevada,U.S.A.	39.4381N	118.5800W	1219	From 1963-01-30 to 1963-03-29
Stillwater	SWN	Nevada,U.S.A.	39.8830N	118.0623W	2298	
Stillwater	ST-NV	Nevada,U.S.A.	39.4381N	118.5800W	1219	From 1963-01-30 to 1963-03-29
Stillwater	STWA	New York,U.S.A.	42.9620N	73.6773W	103	
Stillwater Mine	STMT	Montana,U.S.A.	45.3860N	109.8608W	1756	
Stimpson Lane	OSTM	California,U.S.A.	39.3688N	121.5970W	28	From 1975-08-05
Stinnett	V29A	Texas,U.S.A.	35.8734N	101.5209W	953	From 2009-01-18 to 2010-11-11
Stip	STIP	FYR Macedonia	41.6943N	22.1862E	300	From 2005-08-01
St-Isidore-de-Clifton	G61A	Quebec,Canada	45.2827N	71.5273W	378	From 2013-09-25
Stithians	CST1	England,United Kingdom	50.1952N	5.1635W	141	From 1981-01-01
Stivos	STCV	Greece	40.6487N	23.3049E	33	
Stivos	STEV	Greece	40.6453N	23.3054E	33	
St. Johann (BS)	JOHAN	Switzerland	47.5747N	7.5693E	-56	From 2006-10-01
St. Johns	X19A	Arizona,U.S.A.	34.4275N	109.2901W	1861	From 2007-04-10 to 2009-02-03
St Joseph	LT2	California,U.S.A.	37.3338N	122.0910W	122	From 1966-12-23
St Joseph	JSJM	California,U.S.A.	37.3338N	122.0910W	122	From 1966-12-23
St Joseph's College, Albany	AUALB	West Australia,Australia	35.0000S	117.9000E	50	From 2012-09-24
St. Kitts, UWI Open Campus	SKOC	Netherlands Antilles	17.2929N	62.7323W	15	From 2013-05-09
St Laurent du Var	SLAF	Provence-Cote d'Azur,France	43.6706N	7.1846E	70	From 2012-07-14
St-Lin Laurentide	F58A	Quebec,Canada	45.8663N	73.8145W	73	From 2013-07-27
St-Lucie-de-Beauregard	SLBQ	Quebec,Canada	46.7400N	70.0200W	412	From 1984-08-30
St Luke's College, Karratha	AUKAR	West Australia,Australia	20.7500S	116.8200E	45	From 2013-09-12
St. Maarten	SMRT	Netherlands Antilles,Netherlands Antilles	18.0505N	63.0746W	260	From 2006-10-27
St. Maarten, Airport	STMA	Netherlands Antilles	18.0428N	63.1089W	28	From 2004-03-07
St-Marc-des-Carrires	SMCQ	Quebec,Canada	46.6709N	72.0551W	47	From 2009-11-04
St. Martinville	543A	Louisiana,U.S.A.	30.0856N	91.8557W	4	From 2011-02-25 to 2012-12-07
St. Marys Cement	DRCO	Ontario,Canada	43.8766N	78.7023W	84	From 2011-10-26
St Mary Star of the Sea, Carnarvon	AUCAR	West Australia,Australia	24.8900S	113.6600E	17	From 2013-09-03
St. Maurice	E59A	Quebec,Canada	46.4803N	72.5108W	62	From 2013-07-30
St. Maurice, Haute cole pdagogique du Valais, VS	SSMS	Switzerland	46.2152N	7.0059E	408	From 2016-11-28
St. Michael	G36A	Minnesota,U.S.A.	45.2344N	93.7509W	293	From 2010-09-12 to 2012-07-26
St.-Nazaire-Desert	OG26	Rhone-Alpes,France	44.5783N	5.3022E	840	
St. Niklaus Bahnhofstrasse	SNIB	Valais,Switzerland	46.1771N	7.8024E	1110	From 2010-12-21
Stockdale Mountain	SMNB	California,U.S.A.	35.9730N	120.5799W	416	
Stockdale Mountain	PSTM	California,U.S.A.	35.9288N	120.5080W	573	
Stockerau	A005B	Austria	48.3719N	16.2054E	174	From 2016-05-25
Stockholm	D63A	Maine,U.S.A.	47.0370N	68.1066W	256	From 2013-09-19
Stockton	P31A	Kansas,U.S.A.	39.5211N	99.3783W	665	From 2009-05-18 to 2011-04-05
Stockton	S38A	Missouri,U.S.A.	37.6304N	93.9078W	294	From 2010-12-15 to 2012-10-27
Stoke	STNC	England,United Kingdom	53.0913N	2.2062W	234	From 2007-04-24
Stokes Point	D28M	Yukon Territories,Canada	69.3286N	138.7367W	32	From 2017-08-19
Stokes Ranch, Hill City	J12A	Idaho,U.S.A.	43.2500N	115.0980W	1587	From 2006-12-08 to 2008-07-25
Stokkvaagen	STOK	Norway	66.3330N	13.0177E	18	From 2003-09-01
Stolb	SOTR	Sakha,Russia	72.4000N	126.8250E	50	From 1985-02-01 to 1995-02-01
Stolberg	BA02	Nordrhein-Westfalen,Germany	50.7722N	6.2157E	230	From 2006-10-01
Stollet	SLL	Sweden	60.4760N	13.3200E	390	
Ston	STON	Croatia	42.8716N	17.6999E	5	From 2003-10-13
Stone Canyon	BSCM	California,U.S.A.	36.6330N	121.2340W	357	From 1976-10-06
Stone Canyon	SCYB	California,U.S.A.	36.0094N	120.5366W	695	
Stone Canyon Observatory	STC	California,U.S.A.	36.6350N	121.2397W	267	From 1967-01-22 to 1976-10-06
Stone Canyon Reservoir	SCY	California,U.S.A.	34.1062N	118.4540W	287	From 1971-09-16
Stone Corral	PSNM	California,U.S.A.	35.7878N	120.2951W	390	
Stoneham	STOQ	Quebec,Canada	47.0188N	71.3795W	201	From 2007-11-02
Stonelick State Park	SLSO	Ohio	39.2216N	84.0560W	271	From 2018-05-31 to 2500-12-31
Stone Ridge	PONY	New York,U.S.A.	41.8517N	74.1500W	0	
Stone Ridge	PKNY	New York,U.S.A.	41.8742N	74.1714W	0	
Stone Ridge	SPNY	New York,U.S.A.	41.8756N	74.1492W	0	
Stone Valley	CSVM	California,U.S.A.	37.8653N	122.0063W	199	
Stoney Creek	RD04	Ontario,Canada	43.1524N	79.6988W	168	
Stoneypath	ESY	Scotland,United Kingdom	55.9178N	2.6144W	328	From 1981-11-27
Stoney Pound	SSP1	Wales,United Kingdom	52.4177N	3.1119W	428	From 1990-01-01
Stony Hill	STH	Jamaica	18.0767N	76.8094W	418	From 1969-08-01
Stonyhurst	STO	England,United Kingdom	53.8500N	2.4667W	116	
Stony Point	SNPY	New York,U.S.A.	41.2663N	74.0040W	122	From 1975-06-17
Stony River	M18K	Alaska,U.S.A.	61.4907N	155.8242W	289	From 2017-05-09
Stony River	STY	Alaska,U.S.A.	61.1445N	154.2020W	1047	From 1972-07-24 to 1975-01-29
Storm Lake	K35A	Iowa,U.S.A.	42.7218N	95.2328W	439	From 2010-07-28 to 2012-05-16
Storozhevoye	VRSR	Voronezhskaya Oblast',Russia	51.2150N	39.1900E	180	
Storozhevoye	VSR	Voronezhskaya Oblast',Russia	51.2162N	39.1664E	186	From 2007-09-03
Stover Farm, Hazelton	K13A	Idaho,U.S.A.	42.6493N	114.0840W	1222	From 2006-12-12 to 2008-08-05
Stowe	DSTT	Dominica	15.2467N	61.3035W	120	
Stow on the Wold	SSW	England,United Kingdom	51.9667N	1.8499W	291	
St-Pascal	STPQ	Quebec,Canada	47.5300N	69.8000W	62	From 1979-09-19
St-Paul-en-Foret	SPF	Provence-Cote d'Azur,France	43.5639N	6.6972E	337	
St Philip's College	AUALC	Northern Territory	23.6899S	133.8835E	573	From 2015-08-19
St Phillip Court Concord	C019	California,U.S.A.	37.9836N	122.0139W	31	From 2009-07-07 to 2011-03-23
Strafford	J63A	New Hampshire,U.S.A.	43.2792N	71.0781W	142	From 2013-09-08

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Strandline Lake	STLK	Alaska,U.S.A.	61.4987N	151.8330W	940	
Strasbourg	STR	Alsace,France	48.5845N	7.7658E	135	
Strasburg	Q57A	Virginia,U.S.A.	39.0353N	78.4107W	324	From 2013-04-25
Strasshof	A002A	Austria	48.3175N	16.6152E	162	From 2015-10-16 to 2016-06-02
Stratford	STZ	North Island,New Zealand	39.3440S	174.2924E	305	From 1934-10-01 to 1939-03-31
Strathalbyn	STR2	South Australia,Australia	35.2871S	138.8479E	155	From 2007-01-08
Strathcona Park Lodge	SPLB	British Columbia,Canada	49.8921N	125.6526W	276	From 2009-07-30
Strathgordon	STG	Tasmania,Australia	42.8483S	146.2070E	350	From 1972-07-01 to 2009-09-03
Strathgordon Vge	STGV	Tasmania,Australia	42.7682S	146.0476E	0	
Straumen	N2ST	Norway	67.3487N	15.5958E	11	From 2013-08-01 to 2016-05-30
Strazek	A085A	Czech Republic	49.4392N	16.1962E	458	From 2015-10-07
Strazhitsa	SZH	Bulgaria	43.2653N	25.9763E	331	From 1988-01-01
Streeter	ST2	Texas,U.S.A.	30.7922N	99.4478W	579	
Streeter	ST2TX	Texas,U.S.A.	30.7922N	99.4478W	579	
Streeter	ST1TX	Texas,U.S.A.	30.7522N	99.3556W	518	
Streeter	ST1	Texas,U.S.A.	30.7522N	99.3556W	518	
Streeter	ST4	Texas,U.S.A.	31.1633N	100.0611W	640	From 1967-04-16 to 1967-05-16
Streeter	ST4TX	Texas,U.S.A.	31.1633N	100.0611W	640	From 1967-04-16 to 1967-05-16
Strehaia	SRE	Romania	44.6622N	23.2052E	335	From 1982-09-01
Strider, Charleston	Y44A	Mississippi,U.S.A.	33.9618N	90.2112W	46	From 2011-04-15 to 2013-02-08
Stringfield Ranch, Weed	124A	New Mexico,U.S.A.	32.7001N	105.4544W	2078	From 2008-02-27 to 2010-01-18
Striped Hills	SDH	Nevada,U.S.A.	36.6453N	116.3378W	1073	From 1978-07-24 to 2002-12-10
Striped Peak	STW	Washington,U.S.A.	48.1502N	123.6700W	308	From 1973-06-27
Strizhament	STRR	Stavropol'skiy Kray,Russia	44.7747N	42.0153E	820	
Stroemstad	STRU	Sweden	59.0345N	11.1825E	50	From 2006-07-27
Strofades	SFD	Greece	37.2512N	21.0165E	45	From 2009-07-24
STROMBOLI 3	STR3	Sicily,Italy	38.7978N	15.2305E	195	From 2003-05-01
STROMBOLI 4	STR4	Sicily,Italy	38.7739N	15.2115E	86	From 2003-05-01
Stromboli 5	STR5	Sicily,Italy	38.7911N	15.2032E	632	From 2003-05-01
Stromboli F	IST3	Sicily,Italy	38.7992N	15.2304E	255	From 2011-06-17
Stromboli-G	GIN	Italy	38.7897N	15.1908E	125	
Stromboli Ginostra	ISTR	Sicily,Italy	38.7867N	15.1919E	116	From 2011-06-15
Stromboli Pizzo	ISTP	Sicily,Italy	38.7927N	15.2143E	963	From 2011-06-27
Stronsay	OST	Orkney Islands,United Kingdom	59.0860N	2.5516W	15	From 1995-09-21
Stroppo	PZZ	Italy	44.5068N	7.1160E	1430	From 1985-01-01
Stroud	STRD	England,United Kingdom	51.7763N	2.1639W	187	From 2009-07-14
Str Punta Lena IE	ISPL	Sicily,Italy	38.7747N	15.2112E	160	From 1996-01-01
Struganik	STRS	Serbia	44.2036N	20.1115E	0	
St. Stephen	Z58A	South Carolina,U.S.A.	33.3349N	79.8129W	18	From 2013-02-24
Studebaker Ridge	STD	Washington,U.S.A.	46.2378N	122.2230W	1268	
Studenec	STCW	Czech Republic	50.2591N	12.5197E	666	From 1997-01-01
Stuetta	TUE	Italy	46.4722N	9.3472E	1955	
Stulken Farm, Doniphan	N32A	Nebraska,U.S.A.	40.7639N	98.2955W	587	From 2009-09-08 to 2011-08-19
Stuttgart	STU	Baden-Wurttemberg,Germany	48.7719N	9.1950E	360	From 1929-01-01
Stuttgart	X42A	Arkansas,U.S.A.	34.5532N	91.6262W	62	From 2011-07-28 to 2013-02-16
Stuttgart, Hoppenlaufriedhof	STUT	Baden-Wurttemberg	48.7819N	9.1683E	259	From 2017-10-01
Stutzman Family Farm, Minonk	N43A	Illinois,U.S.A.	40.9394N	89.1735W	215	From 2011-11-04
Stuzhytsa	STZU	Carpathian Mountains	49.0163N	22.6229E	385	From 2011-03-15
St. Veronique	E56A	Quebec,Canada	46.5436N	75.0341W	320	From 2013-07-30
St. Vincent, Congo Valley	SVCV	St Vincent,Saint Vincent and the Grenadines	13.2722N	61.1451W	250	From 2010-04-23
Stwlan	WST	Wales,United Kingdom	52.9750N	3.9889W	850	From 1986-01-01
Styx River	M20K	Alaska	61.8823N	153.1318W	1107	From 2015-06-21
SU01	SU01	Pacific coast of Ecuador	0.0708N	80.8670W	-850	
SU02	SU02	Pacific coast of Ecuador	0.0157S	80.6760W	-2468	
SU03	SU03	Pacific coast of Ecuador	0.1712N	80.5837W	-2637	
SU04	SUB04	Pacific coast of Ecuador	0.2568N	80.7737W	-272	
SU05	SUB05	Pacific coast of Ecuador	0.3550N	80.9542W	-116	
SU06	SUB06	Pacific coast of Ecuador	0.6497N	81.0420W	-134	
SU07	SU07	Pacific coast of Ecuador	0.7360N	80.7473W	-118	
SU08	SUB08	Pacific coast of Ecuador	0.6350N	80.5750W	-600	
SU09	SUB09	Pacific coast of Ecuador	0.4445N	80.6693W	-566	
SU10	SUB10	Pacific coast of Ecuador	0.3553N	80.4853W	-2300	
SU11	SUB11	Pacific coast of Ecuador	0.5320N	80.3765W	-2650	
SU12	SUB12	Pacific coast of Ecuador	0.7220N	80.2920W	-2446	
SU13	SUB13	Pacific coast of Ecuador	0.8238N	80.4787W	-600	
SU14	SUB14	Pacific coast of Ecuador	0.0170N	80.3787W	-376	
SU15	SU15	Pacific coast of Ecuador	0.8913N	80.2017W	-2586	
Suanglung	SSLB	Taiwan region	23.7875N	120.9540E	450	
Suao	TWC	Taiwan region	24.6092N	121.8490E	20	From 1973-03-16
Su ao	ESAO	Taiwan region	24.5757N	121.8439E	33	From 2017-10-06
Suao Port	TWCP	Taiwan region	24.5970N	121.8570E	0	From 2001-04-10
Subarray A0 LASA	-A0MA	Montana,U.S.A.	46.6886N	106.2222W	897	
Subi	SUBA	Republic of Korea	36.7826N	129.2211E	406	From 2018-03-09
Subic Bay	SBP	Luzon,Philippines	14.8333N	120.2830E		
Subotica	SUBS	Serbia	46.1117N	19.6506E	118	From 2012-05-12
Suceava	SUC1	Romania	47.6385N	26.2481E	340	From 2015-09-22
Suche	PT08	Peru	11.9600S	76.5490W	2880	From 1983-08-30
Suchitepequez, La Maquina	SULM	Guatemala	14.3048N	91.5647W	65	
Suckling Hill	SUK	Alaska,U.S.A.	60.0737N	143.7770W	454	
Suckling Hills	SUCK	Alaska,U.S.A.	60.0725N	143.7770W	467	
SUCO	SUCO	Cordoba,Argentina	33.3445S	64.8835W	780	From 2001-07-13
Sucre	SUC	Bolivia	19.0467S	65.2644W	2850	
Sucupira, TO, Brazil	RET4	Tocantins,Brazil	12.1850S	48.7117W	264	From 2008-07-20 to 2012-06-09
Sudak	SUDU	Crimea	44.8900N	35.0000E	108	From 1998-10-01
Sudbury	SZO	Ontario,Canada	46.4381N	81.4961W	312	From 1987-01-24
Sudbury	SUBO	Ontario,Canada	46.6115N	81.1321W	281	From 2017-06-06
Sudbury	SWO	Ontario,Canada	46.7328N	80.9994W	372	
Sudbury	SWXO	Ontario,Canada	46.5971N	81.2778W	337	
Sudbury	SUD	Ontario,Canada	46.4667N	80.9667W	267	From 1967-11-22
Sudbury	SUO	Ontario,Canada	46.4027N	81.0068W	252	
Sudbury Onaping	SUNO	Ontario,Canada	46.6438N	81.3442W	369	
Sudden Peak, Lompoc	SDP	California,U.S.A.	34.5655N	120.5014W	631	From 2002-01-18 to 2006-08-15
Sud-Ghoubbet	SGH	Djibouti	11.4370N	42.6307E	700	From 1976-04-01
Sue Hot Springs	SOX	Nevada,U.S.A.	40.1017N	117.7167W	1198	
Suez	SUZ	Egypt	29.8406N	32.8322E	277	
Suffern	SUFF	New York,U.S.A.	41.1583N	74.1092W	152	
Suffield	L62A	Connecticut,U.S.A.	42.0328N	72.6617W	49	From 2013-09-06
Suffield	SES	Alberta,Canada	50.3958N	111.0420W	770	From 1966-05-11
Sufian	SFNV	Syria	36.4180N	40.1116E	810	From 2002-04-01
Sufi-Kurgan	SFK	Kyrgyzstan	40.0130N	73.5030E	2160	
Sugar Bowl	BOLM	Washington,U.S.A.	46.2154N	122.1747W	1859	From 2004-10-03
Sugar Creek Farm, Atlanta	O43A	Illinois,U.S.A.	40.2856N	89.3130W	224	From 2011-08-17 to 2013-05-07
Sugar Island	SUG	Michigan,U.S.A.	46.5214N	84.1383W	190	From 1969-09-26 to 1972-08-09
Sugar Loaf	SLFW	Washington,U.S.A.	47.7589N	120.5278W	1750	
Sugarloaf Mountain West	SMWM	California,U.S.A.	36.0193N	117.8458W	1116	
Sugihara	SRJ	Gifu,Japan	36.4141N	137.1917E	440	
Sugihashi	SGJ	Fukui,Japan	35.6111N	136.1456E	210	
Suhoy Ruchey	VBR	Buryatiya	51.7980N	106.0150E	478	From 2012-03-22
Suhut-Afyon	SHUT	Turkey	38.5530N	30.5511E	1215	From 2006-11-02
Sui-hua	SUI	Heilongjiang,China	46.6233N	126.9920E		
Sukabumi	SKJI	Jawa,Indonesia	7.0053S	106.5563E	100	From 2005-01-01
Sukala	SUKL	Orissa	19.9300N	85.6900E	6	From 2018-07-19
Sukhothai	SUKH	Thailand	17.4821N	99.6310E	58	
Sukko	SUKR	Krasnodarskiy Kray	44.7990N	37.4290E	41	From 2018-10-15
Sukok	SUKO	Uzbekistan	41.2461N	69.8198E	1353	
Sukoro, SUKH	SUKHU	Hungary	47.2424N	18.6165E	100	
Sukute	SUKT	Nepal	27.7057N	85.7612E	745	From 2002-03-05 to 2002-11-07
Sulaymaniyah	SLY	Iraq	35.6000N	45.5000E	912	
Sulen	SUE	Norway	61.0570N	4.7610E	10	From 1984-11-01
Sulfur Bank	SB4	California,U.S.A.	38.8089N	122.8292W	327	
Sulina	TSSL	Romania	45.1621N	29.7269E	65	From 2013-05-14
Sullivan	SLTN	Tennessee,U.S.A.	36.4432N	82.1205W	1280	
Sulmona Autoparco	SULA	Italy	42.0734N	13.9166E	412	From 2012-10-15
Sulmona Consorzio	SULC	Italy	42.0680N	13.9090E	423	From 2012-10-16
Sulmona Polizia	SULP	Italy	42.0850N	13.9274E	405	From 2012-10-15
Sulphur Canyon Road, Soda Springs	ID05	Idaho,U.S.A.	42.6429N	111.4590W	2262	From 2017-09-07 to 2017-10-24
Sulphur Creek	SUL	New Britain,Papua New Guinea	4.2194S	152.1930E	9	
Sultana	SULJ	Jordan	31.0867N	36.0767E	951	
Sultana	SALT	Saudi Arabia	29.0230N	34.9080E	350	From 1993-07-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Sultandagi-AFYON	SDAG	Turkey	38.4396N	30.9175E	1140	From 2019-07-09
Sultanhani-AKSARAY	SULT	Turkey	38.1988N	33.5156E	982	From 2008-01-04
Sultanice-Enez-Edirne	ENZZ	Turkey	40.6074N	26.1406E	7	From 2011-03-28
Sultan-Mazar	SMT	Tajikistan	38.4667N	70.0667E		
Sultan Qaboos University, Muscat	SQUM	Oman	23.5847N	58.1765E	55	From 2012-06-04
Sulzburg	A121B	Germany	47.8354N	7.7260E	435	From 2018-07-10
Sumairaa	QSMS	Saudi Arabia	26.6716N	42.6852E	887	
Sumara - IBB Gov. - Yemen	SMRH	Yemen	14.1840N	44.2570E	2990	From 2005-10-23
Sumbawanga	SUMB	Tanzania,United Republic of Tanzania	7.9530S	31.6195E	1836	
Sumiainen	SUF	Finland	62.7192N	26.1506E	185	
Sumiya	SMAJ	Jordan	32.1550N	35.7830E	565	From 1983-09-01 to 1985-12-16
Summer Lake	K05A	Oregon,U.S.A.	42.7258N	120.8934W	1887	From 2006-07-31 to 2009-01-08
Summer Shade	SSKY	Kentucky,U.S.A.	36.7955N	85.7925W	300	From 1983-04-21 to 1987-03-05
summerside station 1	HC1P	Prince Edward Island,Canada	46.4340N	63.7953W	1	From 2013-05-23
summerside station 2	HC2P	Prince Edward Island,Canada	46.4323N	63.7642W	20	From 2013-05-23
summerside station 3	HC3P	Prince Edward Island,Canada	46.4240N	63.7395W	7	From 2013-05-23
summerside station 4	HC4P	Prince Edward Island,Canada	46.4106N	63.6705W	16	From 2013-05-23
Summerton	SMA	South Carolina,U.S.A.	33.6283N	80.3181W	30	From 1974-05-20 to 1975-07-01
Summit	SUMG	Greenland	72.5763N	38.4538W	3275	
Summit Reservoir	SURI	Idaho,U.S.A.	44.3058N	113.4830W	2324	
Summit Valley	SVMT	Montana,U.S.A.	45.8822N	112.5710W	1914	From 1984-01-01 to 1987-10-21
Sumner High School ANSS-SMO	SMNR	Washington,U.S.A.	47.2044N	122.2327W	626	From 2001-07-17
Sumoto	SUM	Hyogo,Japan	34.3350N	134.9080E	110	
Sumqayit	SMGA	Azerbaijan	40.6050N	49.6410E	-21	
Sumter	Y57A	South Carolina,U.S.A.	34.0170N	80.3915W	56	From 2013-02-19
Sunasenri	SUNK	Kumamoto,Japan	32.8695N	131.0892E	1240	
Sunbury	N58A	Pennsylvania,U.S.A.	40.8396N	76.7158W	200	From 2013-07-04
Sunchang	SUCA	Republic of Korea	35.3736N	127.1386E	100	From 2012-11-24
SUNCHEON	KSSCH	Republic of Korea	35.0649N	127.2408E	54	From 2006-12-30
Sundarnagar	SDNR	Himachal Pradesh,India	31.5000N	76.9700E	500	
Sundja	SNJR	Severo-Osetinskaya,Russia	43.0685N	44.8117E	671	From 2006-01-10 to 2010-06-20
Sundridge	F52A	Ontario,Canada	45.7951N	79.3227W	351	From 2012-11-02
Sunflower	SN-AZ	Arizona,U.S.A.	33.8636N	111.6928W	884	From 1964-03-29 to 1965-10-04
Sunflower	SN-	Arizona,U.S.A.	33.8636N	111.6928W	884	From 1964-03-29 to 1965-10-04
Sunflower Court Concord	C010	California,U.S.A.	37.9440N	122.0099W	51	From 2009-05-14
Sungai Dareh	SDSI	Sumatera,Indonesia	0.9324S	101.4282E	0	From 2007-12-01
Sunmer	J47A	Michigan,U.S.A.	43.2382N	84.8214W	236	From 2012-09-14
Sun Moon Lake	SMLT	Taiwan region	23.8830N	120.8999E	1014	
Sunnydale, South Australia	SUND	South Australia	34.6626S	139.6370E	42	From 2019-10-16
Sunnyside	E07A	Washington,U.S.A.	46.5585N	119.8548W	561	From 2006-08-29 to 2008-12-03
Sunnyside	SUN	Utah,U.S.A.	39.6167N	110.4000W		
Sunnyside Mine	SMU	Utah,U.S.A.	39.6000N	110.3820W	1981	From 1962-01-01 to 1968-12-31
Sunnyside Ranch, Fairfax	H35A	Minnesota,U.S.A.	44.6985N	94.8311W	345	From 2010-09-26 to 2012-09-10
Sunol Dilatometer	CSU1	California,U.S.A.	37.6430N	121.9402W	499	
Sunset Crater	SCN	Arizona,U.S.A.	35.3689N	111.5430W	2111	From 1970-07-20
Sunset Lake	SSL	Pennsylvania,U.S.A.	41.1612N	74.9160W	259	From 1973-02-13 to 1976-05-31
Sunset Peak	SSK	California,U.S.A.	34.2107N	117.6930W	1683	
Sunshine	SSH	Alaska,U.S.A.	62.1667N	150.0780W	100	From 1971-08-01 to 1972-09-30
Sunshine Farm, Cogan Station	M57A	Pennsylvania,U.S.A.	41.3372N	77.1280W	319	From 2013-08-30
Sunshine Point	SNH	Alaska,U.S.A.	60.1800N	142.8380W	732	
Sunshine Ranch, Edgemont	J25A	South Dakota,U.S.A.	43.3901N	103.8026W	1220	From 2009-06-06 to 2011-05-10
SUP3	SUP3	Ecuador	0.7600N	79.9280W	3287	
SUP5	SUP5	Ecuador	0.7160N	79.5350W	3325	
SUP6	SUP6	Ecuador	0.7998N	79.7000W	3285	
Superstition Mountain	SU2	California	32.9400N	115.8000W	153	
Superstition Mountain	SUP	California,U.S.A.	32.9552N	115.8240W	220	From 1973-04-16
Superstition Mountain	SMTC	California,U.S.A.	32.9489N	115.7203W	3	
Suratani	SURT	Thailand	8.9577N	98.7950E	26	
Surathani	SURA	Thailand	9.1663N	99.6295E	-5	
Surbourg	SRBF	Alsace,France	48.9147N	7.8522E	200	
Surbourg	SUBF	Alsace,France	48.9156N	7.8481E	68	From 2009-06-01
Surduc	SDR	Romania	45.4889N	26.3831E	720	
Surduc	SURR	Romania	45.7540N	22.1246E	239	From 2016-11-10
Surhuizum	SUH2	Netherlands	53.2113N	6.2110E	-9	From 2009-08-26
Surhuizum	SUH1	Netherlands	53.2113N	6.2110E	21	From 2009-08-26
Surhuizum	SUH3	Netherlands	53.2113N	6.2110E	-39	From 2009-08-26
Surhuizum	SUH4	Netherlands	53.2113N	6.2110E	-69	From 2009-08-26
Surigao	SCPH	Mindanao,Philippines	9.7820N	125.4890E	49	
Surrey Hills	SHYM	Victoria,Australia	37.8260S	145.1100E	100	
Surry	T60A	Virginia,U.S.A.	37.1397N	76.7349W	11	From 2013-03-19
Survey Creek	SURV	British Columbia,Canada	53.4033N	132.1250W	186	
Survey Mountain	SYMB	British Columbia	48.5593N	123.7989W	945	From 2016-09-19
Surveyors Ice Cave, Newberry	SVIC	Oregon,U.S.A.	43.6431N	121.2533W	1766	From 2012-01-01
Susaki	SUS	Shizuoka,Japan	34.6667N	138.9830E	3	
Susana Heights	SHMP	Philippines	14.3820N	121.0230E	80	
Susan B. English School	SBEA	Alaska,U.S.A.	59.4423N	151.7123W		
Susara	SSR	Romania	44.8633N	21.7433E	400	
Susara	SSA	Romania	44.8633N	21.7433E	400	
Susehri	SUSE	Turkey	40.2086N	38.2025E	1586	From 2008-06-25
Susitna	SST	Alaska,U.S.A.	61.4347N	150.7800W	780	From 1971-08-24 to 1972-08-15
Susitna One	SUA	Alaska,U.S.A.	61.4636N	150.7467W	1306	From 1972-08-15
Susitna Watana 1	WAT1	Alaska	62.8295N	148.5509W	722	From 2012-08-12
Susitna Watana 2	WAT2	Alaska,U.S.A.	62.9628N	148.5855W	1366	From 2012-08-13
Susitna Watana 6	WAT6	Alaska	62.5808N	147.7400W	1681	From 2013-08-01
Susitna Watana 7	WAT7	Alaska,U.S.A.	62.8331N	148.8476W	1232	From 2013-08-01
Susqueda	SQD	Spain	41.9790N	2.5275E	240	From 1977-01-01
Sussex County Emergency Operations Center	SCOM	Delaware,U.S.A.	39.6957N	75.3627W	12	
Susuman	SUUS	Magadanskaya Oblast',Russia	62.7786N	148.1672E	640	
Susuman	GRESR	Magadanskaya Oblast',Russia	63.0423N	147.2020E	793	From 2009-10-23
Susuman-Seymchan profile, station 01	SS01	Magadanskaya Oblast',Russia	62.8224N	148.4186E	720	From 2004-04-01 to 2004-04-03
Susuman-Seymchan profile, station 02	SS02	Magadanskaya Oblast',Russia	62.7994N	148.8056E	820	
Susuman-Seymchan profile, station 03	SS03	Magadanskaya Oblast',Russia	62.8099N	149.1240E	639	From 2004-04-04 to 2004-04-05
Susuman-Seymchan profile, station 04	SS04	Magadanskaya Oblast',Russia	62.8434N	149.0507E	649	From 2004-04-05 to 2004-04-05
Susuman-Seymchan profile, station 05	SS05	Magadanskaya Oblast',Russia	62.8575N	149.7723E	450	From 2004-04-06 to 2004-04-09
Susuman-Seymchan profile, station 06	SS06	Magadanskaya Oblast',Russia	62.8576N	150.5658E	318	From 2004-04-07 to 2004-04-07
Susuman-Seymchan profile, station 07	SS07	Magadanskaya Oblast',Russia	62.8146N	150.8321E	345	From 2004-04-08 to 2004-04-09
Susuman-Seymchan profile, station 08	SS08	Magadanskaya Oblast',Russia	62.9899N	152.0816E	310	From 2004-04-13 to 2004-04-19
Susuman-Seymchan profile, station 09	SS09	Magadanskaya Oblast',Russia	62.9217N	151.8504E	400	From 2004-04-14 to 2004-04-19
Susuman-Seymchan profile, station 10	SS10	Magadanskaya Oblast',Russia	63.1451N	152.2005E	293	From 2004-04-17 to 2004-04-19
Susundenga, A1030	M1030	Mozambique	19.4219S	33.2916E	628	
Susurluk	SLK	Turkey	39.8711N	28.1450E	147	From 1979-12-01 to 1999-08-25
Susurluk-Balikesir	SUSR	Turkey	39.9627N	28.0835E	359	From 2018-05-02
SUT1	SUE1	Ecuador	0.9988N	79.5590W	3275	
SUT2	SUE2	Ecuador	0.9888N	79.6665W	3289	
SUT3	SUE3	Ecuador	0.9688N	79.7280W	3267	
SUT4	SUE4	Ecuador	0.8510N	79.8570W	3283	
Sutcliffe	SC-NV	Nevada,U.S.A.	39.8739N	119.6408W	1341	
Sutcliffe	SC-	Nevada,U.S.A.	39.8739N	119.6408W	1341	
Sutherland	SUR	Cape Province,South Africa	32.3800S	20.8117E	1760	
Sutluce-Isparta	SUTC	Turkey,Turkey	37.4765N	30.9996E	1300	From 2008-04-02
Sutter Butte	SUTB	California,U.S.A.	39.2291N	121.7861W	252	From 2005-05-17 to 2007-09-05
Sutter Buttes	OSUM	California,U.S.A.	39.2712N	121.8520W	67	From 1976-04-01
Sutton Bonington	STBN	England	52.8375N	1.2481W	40	From 2020-02-12
Sutton Inlier	SILO	Ontario,Canada	54.4792N	84.9126W	195	
Suttons Bay	G45A	Michigan,U.S.A.	45.0404N	85.6571W	284	From 2012-11-09
Suttsu	SUT	Shiribeshi,Japan	42.7900N	140.2400E	16	
Suttsu	SUT1	Shiribeshi,Japan	42.7933N	140.2283E	33	From 1989-09-22
Sut uroy	FSD	Faeroe Islands	61.5701N	6.7884W		
Suurupi	SRPE	Estonia	59.4633N	24.3800E	42	
Suva	SVA	Fiji	18.1167S	178.4580E	38	From 1976-07-01
Suva	SUV	Fiji	18.1489S	178.4570E	6	From 1913-01-01 to 1971-06-30
Suvo	SYVR	Buryatiya,Russia	53.6581N	109.9989E	490	
Suwalki	SUW	Poland	54.0125N	23.1808E	152	From 1995-11-05
Suwon	SWO2	Republic of Korea	37.1685N	126.5894E	119	From 2018-03-09
Suwon	KSSWO	Republic of Korea	37.2669N	126.9669E	56	From 2002-11-06
Suzu	JSZ	Ishikawa,Japan	37.4483N	137.3633E	10	
Suzuyama	JSU	Kagoshima,Japan	31.5058N	130.4550E	400	
Svangstu Ranch, Noonan	A25A	North Dakota,U.S.A.	48.9388N	103.1128W	584	From 2009-07-24 to 2011-07-22
Svanoeiden	SVAU	Sweden	64.4903N	19.5712E	100	From 2000-09-08

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Svartarkot	ISVA	Iceland	65.3370N	17.2550W	403	From 1998-07-27
Svendsen Farm, Lyons	L34A	Nebraska,U.S.A.	41.9666N	96.3762W	424	From 2010-05-31 to 2012-04-25
Sverdlovsk	SVE	Sverdlovskaya Oblast',Russia	56.8270N	60.6370E	275	
Sveta Marina	SMRN	Croatia	45.0361N	14.1548E	17	From 2015-09-24
Svilajnac	SVIS	Serbia	44.2655N	21.2152E	117	From 1997-10-14
Svinoy	FSV	Faeroe Islands	62.2598N	6.3550W		
Swabi-Maira	SWR	Pakistan	34.1303N	72.8498E	489	From 1973-08-23 to 2009-09-20
Swabi Mera	SWM1	Pakistan	34.1300N	72.8490E	462	From 2009-09-20
Swainland Road, Oakland	C004	California,U.S.A.	37.8441N	122.2180W	189	From 2009-03-31
Swamp Creek	SWP	Montana,U.S.A.	48.6068N	114.9850W	1157	From 1971-02-01 to 1976-10-04
Swan Island	SWA	Swan Islands,Honduras	17.4000N	83.9333W		
Swan Lake	C14A	Montana,U.S.A.	47.7687N	113.7468W	1173	From 2006-10-03 to 2009-08-08
Swan Pond Ditch	SPIN	Indiana,U.S.A.	38.5400N	87.6069W	122	
Swansea	HSA	Wales,United Kingdom	51.7478N	4.1543W	274	From 1987-01-01
Swansea	SWAN	New South Wales,Australia	33.0920S	151.6330E	3	From 2007-01-01
Swansea Heads	SWANH	New South Wales	33.0980S	151.6500E	8	From 2016-12-18
Swanson's Bluff	BSBM	California,U.S.A.	36.7378N	121.2870W	398	From 1975-06-25
Swan View	SWV	Western Australia,Australia	31.8833S	116.0650E	80	
Swanville	F35A	Minnesota,U.S.A.	45.8580N	94.5734W	376	From 2010-09-10 to 2012-07-27
Swaqa	SWQJ	Jordan	31.2430N	36.0600E	876	
Swartwater, Limpopo	CRAIL	South Africa	22.8025S	28.2430E	981	From 2017-05-31
Swartz Lake	SWMT	Montana,U.S.A.	47.5093N	113.9990W	1297	
Swaziland	SWD	Swaziland	26.4017S	31.7728E		From 1973-03-12 to 1976-03-20
Swaziland	SWL	Swaziland	26.3122S	31.1538E	0	
Sweathouse Lookout Tower, Alberta	SWHSA	Alberta,Canada	54.8994N	116.7518W	913	From 2014-07-30
Sweetgrass	SW-	Montana,U.S.A.	48.9689N	111.9628W	1113	From 1965-10-16 to 1966-09-13
Sweetgrass	SW-MA	Montana,U.S.A.	48.9689N	111.9628W	1113	From 1965-10-16 to 1966-09-13
Sweet Springs	SSOR	Oregon,U.S.A.	44.8560N	122.4600W	1242	From 1991-09-01
Sweetwater, Wamsutter	M20A	Wyoming,U.S.A.	41.4906N	108.1865W	2134	From 2007-11-02 to 2009-10-18
Swindon	SWN1	England,United Kingdom	51.5131N	1.8004W	192	From 1993-01-01
Swingate, Kent	SWG	England,United Kingdom	51.1450N	1.3222E	122	From 2011-02-08 to 2012-04-19
SWIR Dragon Fly vent, OBS02	DF02	Southern Indian Ocean	37.7616S	49.7088E	-3006	
SWIR Dragon Fly vent, OBS03	DF03	Southern Indian Ocean	37.7325S	49.6568E	-3280	
SWIR Dragon Fly vent, OBS04	DF04	Southern Indian Ocean	37.7717S	49.6186E	-3365	
SWIR Dragon Fly vent, OBS05	DF05	Southern Indian Ocean	37.8034S	49.6709E	-2326	
SWIR Dragon Fly vent, OBS06	DF06	Southern Indian Ocean	37.8339S	49.7195E	-1767	
SWIR Dragon Fly vent, OBS07	DF07	Southern Indian Ocean	37.8426S	49.6297E	-2554	
SWIR Dragon Fly vent, OBS08	DF08	Southern Indian Ocean	37.7758S	49.5686E	-3578	
SWIR Dragon Fly vent, OBS09	DF09	Southern Indian Ocean	37.7012S	49.5979E	-2228	
SWIR Dragon Fly vent, OBS10	DF10	Southern Indian Ocean	37.6924S	49.6898E	-2941	
SWIR Dragon Fly vent, OBS13	DF13	Southern Indian Ocean	37.6924S	49.7326E	-1677	
SWIR Dragon Fly vent, OBS14	DF14	Southern Indian Ocean	37.9100S	49.6468E	-1941	
SWIR Dragon Fly vent, OBS15	DF15	Southern Indian Ocean	37.8531S	49.5440E	-3036	
SWIR Dragon Fly vent, OBS16	DF16	Southern Indian Ocean	37.7849S	49.4890E	-3193	
SWIR Dragon Fly vent, OBS17	DF17	Southern Indian Ocean	37.7106S	49.5135E	-2590	
SWIR Dragon Fly vent, OBS20	DF20	Southern Indian Ocean	37.6808S	49.7720E	-2509	
SWIR Dragon Fly vent, OBS21	DF21	Southern Indian Ocean	37.7455S	49.8439E	-2959	
SWIR Dragon Fly vent, OBS22	DF22	Southern Indian Ocean	37.7268S	49.9511E	-2903	
SWIR Dragon Fly vent, OBS23	DF23	Southern Indian Ocean	37.7178S	50.0750E	-2564	
Swisshome	I02D	Oregon,U.S.A.	44.1059N	123.8469W	109	From 2010-08-07
Swisshome, OR	I02E	Oregon	44.1077N	123.8473W	117	From 2015-10-24 to 2016-09-30
SW of W Deep Rock Rd and N Kings Hwy, Cushing	OK053	Oklahoma,U.S.A.	36.0142N	96.7878W	280	From 2016-11-09 to 2017-03-14
SW Tenn Gill Cnt	GILT	Tennessee,U.S.A.	35.2309N	89.9829W	0	
Sycamore State Park Ohio	SSPO	Ohio	39.8030N	84.3330W	269	From 2019-04-30 to 2500-12-31
Sydney	SYD	New South Wales,Australia	33.8667S	151.2000E	43	From 1906-01-01 to 1948-12-31
Sydney	DNSO	New South Wales,Australia	33.8081S	151.0711E	28	From 2011-07-25
Sydney Hard Rock	SYDH	New South Wales,Australia	33.7619S	150.7417E	63	From 2010-08-01
Sydney Soft Rock	SYDS	New South Wales,Australia	33.9297S	151.2243E	21	From 2010-04-30
Syktyvkar	SYKR	Komi,Russia	61.6708N	50.8247E	127	
Syllakh	SYL	Sakha,Russia	57.1200N	121.8600E	600	From 1989-01-01 to 1989-12-31
Sylvania	156A	Georgia,U.S.A.	32.6542N	81.4950W	40	From 2012-04-05
Syncline Ridge	NYS	Nevada,U.S.A.	37.0325N	116.1690W	1509	From 1971-01-01 to 1973-01-31
Syolatti, Pyhajoki	OBF0	Finland	64.4976N	24.2372E	25	From 2013-04-04
Syowa Base	SYO	Dronning Maud Land	69.0088S	39.5921E	20	
Syros	S039	Greece	37.4570N	24.9490E	146	
Syston	KSY	England,United Kingdom	52.9642N	0.5873W	123	From 1988-01-01
Syuhurei	SYU	Republic of Korea	36.2000N	128.0000E	100	
Szaknyer	A262A	Hungary	46.8642N	16.5276E	240	From 2016-01-27
Szeged	SZE	Hungary	46.2483N	20.1414E	82	
Szhu	WSF	Taiwan region	23.6380N	120.2220E	6	
Szokolya	A270A	Hungary	47.8452N	19.0186E	152	From 2016-07-06
T031	T031	Sweden	57.2250N	13.6500E	185	
T034	T034	Sweden	57.3120N	14.3620E	210	
T035	T035	Sweden	57.1640N	14.7850E	180	
T036	T036	Sweden	57.4350N	13.9440E	205	
T037	T037	Sweden	57.3170N	15.0040E	235	
T038	T038	Sweden	57.6720N	13.9700E	280	
T039	T039	Sweden	57.5720N	14.3640E	315	
T043	T043	Sweden	58.0270N	14.7300E	210	
T044	T044	Sweden	58.2500N	14.9060E	140	
T052	T052	Sweden	57.8930N	15.6740E	170	
T053	T053	Sweden	58.0810N	15.4330E	155	
T054	T054	Sweden	58.0540N	15.9300E	160	
T056	T056	Sweden	58.3010N	16.1900E	80	
T057	T057	Sweden	58.4740N	15.9980E	55	
T058	T058	Sweden	58.5970N	15.5740E	95	
T059	T059	Sweden	58.5270N	16.5750E	25	
T061	T061	Sweden	58.9080N	15.6300E	75	
T065	T065	Sweden	55.3470N	13.3610E	8	
T066	T066	Sweden	55.5620N	12.9470E	12	
T067	T067	Sweden	55.5630N	13.5660E	115	
T068	T068	Sweden	55.7650N	12.9230E	4	
T069	T069	Sweden	56.0160N	12.8400E	56	
T070	T070	Sweden	56.0330N	13.6100E	118	
T071	T071	Sweden	56.2450N	12.6510E	18	
T073	T073	Sweden	56.2190N	13.2270E	110	
T074	T074	Sweden	56.6760N	13.9250E	136	
T075	T075	Sweden	56.7000N	14.5350E	165	
T076	T076	Sweden	56.7280N	13.1600E	95	
T077	T077	Sweden	56.9570N	14.3980E	192	
T10G	T10G	Germany	51.6100N	10.3160E	250	
T11G	T11G	Germany	51.7260N	9.4160E	280	
T12G	T12G	Germany	51.8350N	10.0530E	280	
T13G	T13G	Germany	51.9890N	9.6030E	230	
T14G	T14G	Germany	51.9990N	10.4260E	223	
T14S	T14S	Sweden	56.2590N	13.6230E	140	
T15G	T15G	Germany	52.0620N	10.0150E	185	
T16G	T16G	Germany	52.2370N	9.5220E	305	
T16S	T16S	Sweden	56.4270N	13.2270E	80	
T17G	T17G	Germany	52.2190N	10.2380E	78	
T18G	T18G	Germany	52.5230N	10.4650E	55	
T18S	T18S	Sweden	56.5200N	13.5660E	110	
T19G	T19G	Germany	52.5470N	9.4840E	35	
T1BD	T1BD	Denmark	55.8630N	12.2400E	24	
T1BG	T1BG	Germany	54.0780N	10.4520E	30	
T1MG	T1MG	Germany	54.2120N	10.0710E	36	
T21G	T21G	Germany	52.7060N	9.5700E	25	
T22G	T22G	Germany	52.7540N	10.1190E	65	
T24G	T24G	Germany	52.8990N	9.5870E	60	
T25G	T25G	Germany	53.0710N	10.3400E	70	
T26G	T26G	Germany	52.9590N	12.0310E	33	
T27G	T27G	Germany	54.5720N	13.6580E	100	
T28G	T28G	Germany	54.4740N	13.4690E	28	
T29G	T29G	Germany	54.3140N	13.3560E	25	
T2BD	T2BD	Denmark	55.7030N	11.5480E	8	
T2BG	T2BG	Germany	54.2230N	10.0740E	36	
T2MG	T2MG	Germany	54.1630N	10.4590E	35	
T30G	T30G	Germany	54.1920N	13.1770E	28	
T30S	T30S	Sweden	57.0950N	13.9460E	210	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
T31G	T31G	Germany	54.0140N	13.0690E	13	
T32G	T32G	Germany	53.8500N	12.9050E	5	
T33G	T33G	Germany	53.6920N	12.7510E	42	
T34G	T34G	Germany	53.5260N	12.6550E	72	
T35G	T35G	Germany	53.3560N	12.4410E	71	
T36G	T36G	Germany	53.1550N	12.2590E	80	
T37G	T37G	Germany	52.8200N	11.8460E	22	
T38G	T38G	Germany	52.5260N	11.4590E	52	
T39G	T39G	Germany	52.3360N	11.3810E	63	
T3BD	T3BD	Denmark	55.5360N	12.0780E	33	
T3BG	T3BG	Germany	54.3280N	10.5470E	100	
T3MG	T3MG	Germany	54.4460N	10.0600E	30	
T40G	T40G	Germany	52.2410N	11.2860E	110	
T40S	T40S	Sweden	57.5810N	15.0390E	300	
T41G	T41G	Germany	52.0860N	11.1190E	102	
T41S	T41S	Sweden	57.8370N	15.1650E	300	
T42G	T42G	Germany	51.8720N	10.9110E	160	
T42S	T42S	Sweden	57.7610N	14.6640E	300	
T43G	T43G	Germany	51.6880N	10.7890E	450	
T45G	T45G	Germany	53.2190N	10.6530E	60	
T46G	T46G	Germany	53.2620N	9.9840E	110	
T48G	T48G	Germany	54.0120N	10.0120E	60	
T49G	T49G	Germany	53.8320N	9.7680E	30	
T4BD	T4BD	Denmark	55.2190N	11.5950E	20	
T4BG	T4BG	Germany	53.1350N	9.8000E	80	
T50G	T50G	Germany	52.1020N	9.1900E	270	
T51G	T51G	Germany	52.0690N	8.3700E	305	
T52G	T52G	Germany	51.7680N	7.8200E	80	
T53G	T53G	Germany	52.8940N	11.1420E	18	
T54G	T54G	Germany	53.7470N	11.3440E	65	
T55G	T55G	Germany	53.9270N	11.1530E	55	
T5BD	T5BD	Denmark	54.8860N	11.8150E	12	
T5BG	T5BG	Germany	53.1880N	9.3360E	30	
T5 Ranch, Ellsworth	L27A	Nebraska,U.S.A.	42.0837N	102.3154W	1186	From 2008-11-23 to 2010-10-05
T60G	T60G	Germany	53.6780N	12.2290E	50	
T60S	T60S	Sweden	58.7580N	15.9430E	200	
T61G	T61G	Germany	54.1700N	12.3430E	30	
T6BD	T6BD	Denmark	54.8870N	11.2550E	8	
T6BG	T6BG	Germany	53.3800N	9.5950E	50	
T6MG	T6MG	Germany	54.4870N	11.0140E	2	
T7BD	T7BD	Denmark	56.4560N	9.1670E	25	
T7BG	T7BG	Germany	52.2590N	8.5570E	188	
T7MG	T7MG	Germany	54.4290N	11.2290E	15	
T801	T801	Denmark	55.5830N	11.3590E	57	
T802	T802	Denmark	55.3920N	11.8030E	45	
T803	T803	Denmark	55.3230N	12.2760E	19	
T804	T804	Denmark	55.3220N	11.3400E	31	
T805	T805	Denmark	55.1080N	11.9860E	15	
T806	T806	Denmark	54.8060N	12.0360E	11	
T807	T807	Denmark	54.7550N	11.2230E	1	
T808	T808	Denmark	54.6880N	11.6410E	16	
T809	T809	Denmark	54.8040N	10.7200E	15	
T810	T810	Denmark	55.0710N	10.8870E	20	
T811	T811	Denmark	55.6800N	12.4290E	13	
T812	T812	Denmark	56.0080N	12.4750E	30	
T813	T813	Denmark	55.8000N	11.9390E	34	
T814	T814	Denmark	55.5730N	11.7060E	38	
T815	T815	Denmark	54.9890N	12.5050E	83	
T816	T816	Denmark	54.5880N	11.9430E	2	
T817	T817	Denmark	54.8010N	11.5200E	5	
T818	T818	Denmark	55.0070N	10.5870E	11	
T819	T819	Denmark	55.1900N	10.7680E	35	
T820	T820	Denmark	55.4510N	11.2340E	11	
T897	T897	Sweden	58.3800N	12.5090E	52	
T898	T898	Sweden	57.0680N	13.4850E	163	
T899	T899	Denmark	55.7560N	13.2350E	61	
T8MG	T8MG	Germany	54.2210N	10.8850E	30	
T998	T998	Denmark	56.0120N	12.4790E	24	
T999	T999	Denmark	56.0670N	12.2330E	19	
T9BG	T9BG	Germany	52.7230N	11.4790E	85	
T a@11 Lat	DLVO	Vietnam	11.9652N	108.4815E	1550	From 1982-01-01
T a@11 Lat	DLV	Vietnam	11.9433N	108.4867E	1575	
TA2, Sparta	U55A	North Carolina,U.S.A.	36.5023N	81.0472W	863	From 2013-02-21
Taal Volcano	CALP	Luzon,Philippines	13.9990N	121.0090E		
Tabacon	TABAC	Costa Rica,Costa Rica	10.4985N	84.7672W	819	
Tabaga	TBGR	Sakha,Russia	61.8210N	129.6370E	100	From 2003-06-24
Tabalakh	TBK	Sakha,Russia	67.5380N	136.5220E	200	From 1980-07-01 to 1995-02-01
Tabas	TABS	Iran	33.6490N	57.1190E	1106	From 2008-09-10
Tabasco	LJS	Tabasco,Mexico	17.9930N	93.4880W		
Tabas- Tapeh tagh	TAPT	Iran	34.8842N	57.1597E	1251	From 2018-06-25
Tabat	TBTR	Krasnoyarskiy Kray,Russia	52.9291N	90.7201E	518	From 2005-05-27
Tabatinga, AM	TBTG	Amazonas,Brazil	4.1868S	69.9090W	91	From 2014-08-31
Tabele	TBL	Papua New Guinea	4.1013S	145.0120E	180	From 1964-01-01
Tabernacle	TABN	New Jersey,U.S.A.	39.8642N	74.6628W	31	From 1977-06-17 to 1978-08-31
Tabernacle Mountain	TABB	British Columbia,Canada	51.7500N	117.7620W	2469	From 1972-10-18 to 1999-08-25
Table Mountain	TABL	Alaska,U.S.A.	60.4403N	141.1423W	2050	
Table Mountain	OTBM	California,U.S.A.	39.5457N	121.5610W	219	From 1975-09-06
Table Mountain	TBM	Washington,U.S.A.	47.1695N	120.5980W	1064	
Table Mountain	TMC	California,U.S.A.	34.3750N	117.6930W	2180	
Table Rock	TBR	New York,U.S.A.	41.1417N	74.2222W	261	From 1975-07-01
Table Rock, Ramapo, NY	TRNY	New York,U.S.A.	41.1450N	74.2244W	270	From 2014-09-04
Tablon, Guarco	TBLN	Costa Rica	9.8237N	83.9993W	1596	From 2012-09-18
Taboga, Panama	TABO3	Panama	8.7940N	79.5540W	9	From 2010-01-01
Tabor	N35A	Iowa,U.S.A.	40.8612N	95.6425W	353	From 2010-05-15 to 2012-04-21
Tabri@18z	TAB	Iran	38.0675N	46.3267E	1430	From 1965-08-10
Tabriz	TAB1	Iran	38.0475N	46.3323E	1570	From 2016-01-02
Tabriz	TABZ	Iran	38.0568N	46.3266E	1487	
Tabriz	ITBZ	Iran	38.2333N	46.1470E	1650	From 1995-08-01
Tabubil	TABU	Papua New Guinea	5.2690S	141.2228E	544	From 2013-03-27
Tabubil	TZZ	Papua New Guinea	5.2681S	141.2210E	700	From 1977-11-16
Tabubil	OKTD	Papua New Guinea	5.3484S	141.2917E	518	From 1994-01-01
Tabuk	TBKS	Saudi Arabia	28.2200N	36.5400E	295	
Taburiente	TBT	Canary Islands,Spain	28.6794N	17.9145W	180	From 1974-11-01
TACA	TACA	Bolivia	18.8279S	66.7331W	3810	From 1994-05-30 to 1995-08-09
Tacachico	TACO	El Salvador	13.9703N	89.3539W	355	From 2014-06-02
Tacana	TCG	Guatemala	15.1228N	92.0858W	3100	From 1986-07-01
Tacaratu-PE	NBTA	Pernambuco,Brazil	9.1218S	38.0632W	348	From 2011-07-27
Tacares	TCS1	Costa Rica,Costa Rica	10.0420N	84.2998W	889	
Tacares	TCSO	Costa Rica	10.0420N	83.3000W	889	
Tcata	TACV	Venezuela	10.1381N	67.0267W	546	From 2014-12-09
Ta-ch'eng	WTCT	Taiwan region	23.8640N	120.2810E	4	
Tachien	TWT	Taiwan region	24.2533N	121.1758E	1510	From 1973-10-04
Tacoma Substation	TBPA	Washington,U.S.A.	47.2581N	122.3669W	2	
Tacoron (Frontera - El Hierro)	CTAC	Canary Islands	27.6748N	18.0205W	165	From 2018-07-04
Tacuaremb	TBOT	Uruguay	31.6831S	55.9375W	0	From 2017-01-11
Tacubaya	TAC	Mexico D.F.,Mexico	19.4050N	99.1936W	2297	
Tadjoura	TDJ	Djibouti	11.7955N	42.8888E	60	From 1972-04-01 to 1979-08-31
Tadjoura Ara	TDD	Djibouti	11.8037N	42.9070E	110	From 1979-09-01
Tadmit	ADJF	Algeria,Algeria	34.2150N	3.0980E	1026	
Tadong	GTK	Sikkim,India	27.3191N	88.6018E	1348	
Tadotsu	TAD	Kagawa,Japan	34.2833N	133.7670E	4	
Tadoussac	TADQ	Quebec,Canada	48.1437N	69.7184W	46	From 1979-05-24
Taean	TANB	Republic of Korea	36.6731N	126.1353E	-50	From 2016-12-16
Taebaek	KSTBA	Republic of Korea	37.1226N	128.9523E	802	From 2006-12-30
Taegu	TAE	Republic of Korea	35.8667N	128.6000E	50	
Taeha	TAHA	Republic of Korea	37.5150N	130.8118E	191	From 2018-03-09
Taejon	TJN	Republic of Korea	36.3772N	127.3638E	60	
Tafers	STAF	Switzerland	46.8052N	7.2161E	650	From 2008-04-16
Taforalt	TAF	Morocco	34.8142N	2.4142W	820	From 1972-11-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Tafoughalt	TFLT	Morocco	34.8100N	2.4110W	875	
Taft	TF-	California,U.S.A.	35.1636N	119.9675W	793	From 1962-05-23 to 1965-11-13
Taft	TF-CL	California,U.S.A.	35.1636N	119.9675W	793	From 1962-05-23 to 1965-11-13
Taft - Yazd	TAFT	Iran	31.7228N	54.1711E	2035	From 2016-12-12
Taga	JTG	Shiga,Japan	35.1867N	136.3217E	160	
Tagagawik	G18K	Alaska,U.S.A.	65.8950N	158.6540W	484	From 2017-06-15
Tagaytay City	TGY	Luzon,Philippines	14.1022N	120.9367E	600	From 1991-01-01
Tagbilaran	TBP	Cebu,Philippines	9.6910N	123.8620E	120	
Tagebau Bergheim	BD02	Nordrhein-Westfalen,Germany	50.9679N	6.6743E	115	From 2001-01-01 to 2007-08-29
Taghat	TGT	Morocco	34.0700N	5.0550W	820	From 1993-01-01
Taghi Ghambar	TGI	Iran	32.9633N	59.1933E	1800	From 1975-05-01
TAGU	TAGU	Costa Rica	9.0152N	83.5877W	24	From 1999-09-16 to 1999-11-25
Tahileleki, Niue, NIUE	NIUS	Niue	18.9794S	169.8764W	67	
Tahiti	TAH	Tahiti,French Polynesia	17.7333S	149.3000W		
TAHITI-TARAVAO INFRASONIC ARRAY REFERENCE POINT	I24FP	Tahiti,French Polynesia	17.7493S	149.2958W	117	From 2000-03-11
Tahkenitch	TAKO	Oregon,U.S.A.	43.7435N	124.0812W	46	
Tahoe	TAHR	California,U.S.A.	39.1515N	120.1630W	2079	
Taholah School, Taholah	TAHO	Washington,U.S.A.	47.3444N	124.2875W	6	From 2015-04-01
Tahsis	TAHB	British Columbia	49.8925N	126.6770W	455	From 2019-06-28
Tahtakopru-Hatay	TAHT	Turkey	36.3757N	36.1852E	266	From 2009-10-19
Tahuroa Road	TOZ	North Island,New Zealand	37.7309S	175.5019E	85	From 1998-10-15
Taian	SANB	Taiwan region	24.3978N	120.9858E	1354	From 2005-04-20
Tai'an	TIA	Shandong,China	36.2114N	117.1240E	300	
Taichung	TCU	Taiwan region	24.1475N	120.6760E	84	
Taichung City	WHP	Taiwan region	24.2777N	120.9458E	832	From 2013-03-18
Taichung Port	TCUP	Taiwan region	24.2560N	120.5230E	0	From 2001-04-10
Taif	TAF1	Saudi Arabia	21.2830N	40.3500E	2500	From 1995-04-01
Tailep, Kuzbass, Russia	TAIL	Kemerovskaya Oblast'	53.4481N	87.1971E	245	From 2015-12-25
Taimali	ECL	Taiwan region	22.5970N	120.9540E	70	
Taimylyr	TML	Sakha,Russia	72.6100N	121.9200E	60	From 1986-01-01 to 1996-10-01
Tainan	TAI	Taiwan region	22.9952N	120.1970E	14	
Tainan City	SNST	Taiwan region	23.2198N	120.4973E	156	From 2013-01-18
Tainan City	TAI2	Taiwan region	22.9870N	120.2100E	30	From 1999-08-04
Tainan City	SHHT	Taiwan region	23.0213N	120.3479E	86	From 2015-12-04
Taipa Grande	MCO	Macao,China	22.1219N	113.5580E	80	
Taipei	TAP1	Taiwan region	25.0390N	121.5230E	-80	
Taipei	TAP	Taiwan region	25.0393N	121.5060E	6	
Taipei	TATO	Taiwan region	24.9754N	121.4880E	53	From 1976-05-13
Taipei	NHY	Taiwan region	25.0393N	121.5693E	37	From 2014-12-11
Taisha	TAIS	Ecuador	2.3804S	77.4997W	442	From 2012-11-16
Taitung	TTN	Taiwan region	22.7540N	121.1470E	9	
Taivalkoski	KU2	Finland	65.7096N	28.2300E	290	From 2003-11-05
Taiyuan	TYN	Shanxi,China	37.7867N	112.5900E		
Taiyuan	TIY	Shanxi,China	37.7131N	112.4340E	850	
Ta`izz	TAIZ	Yemen	13.5680N	44.0470E	0	
Tajo	VTCG	Costa Rica,Costa Rica	10.0147N	83.7587W	3136	
Tajo	CVTV	Costa Rica,Costa Rica	10.0042N	83.7493W	2561	
Takachiho West	KV11	Kagoshima,Japan	31.8839N	130.8989E	980	
Takada	TKJ	Niigata,Japan	37.1280N	138.2100E	40	From 1971-01-01
Takada	TKD	Niigata,Japan	37.1050N	138.2500E	15	
Taka-dake	TAKK	Kumamoto,Japan	32.8787N	131.1015E	1450	
Takaka	TAK	South Island,New Zealand	40.8499S	172.8044E	8	From 1931-01-01 to 1968-11-30
Takaka Hill	TKNZ	South Island	41.0335S	172.9605E	422	From 2014-06-18
Takamatsu	TKM	Kagawa,Japan	34.3150N	134.0567E	10	
Takane	TKN	Gifu,Japan	35.9824N	137.5122E	1310	
Takapari Road	TSZ	North Island,New Zealand	40.0585S	175.9612E	531	From 2004-01-26
Takarajima	JTAJ	Ryukyu Islands,Japan	29.1532N	129.2030E	35	From 2010-02-01
Takato	JNT	Yamanashi,Japan	35.8750N	138.1380E	1180	From 1995-04-01
Takayama	TKY	Gifu,Japan	36.1533N	137.2567E	560	
Takayama	TAKN	Gifu,Japan	36.1328N	137.1842E	700	
Takayasuyama	TKU	Osaka,Japan	34.6117N	135.6600E	472	
Takazaki	JTZ	Miyazaki,Japan	31.9012N	131.0880E	170	
Takazawasan	TKZ	Gifu,Japan	35.5430N	136.9754E	260	
Take-yama	TKE	Kanagawa,Japan	35.2170N	139.6669E	112	
Takhtakupir	THTP	Uzbekistan	43.0327N	60.2965E	59	
Takhtoyamsk	TTY	Magadanskaya Oblast',Russia	60.2020N	154.6790E	11	From 1987-09-01 to 1993-06-01
Taksebt	ATKB	Algeria,Algeria	36.6732N	4.1214E	174	
Talacogon, Agusan del Sur	TASP	Mindanao	8.4520N	125.8080E	114	From 2016-08-04
Talagante	TACH	Santiago,Chile	33.6532S	70.9376W	440	From 1982-01-01
Talagante	MT09	Metropolitana	33.7762S	70.9887W	1371	From 2014-10-15
Talang	TLN	Sumatera,Indonesia	1.0000S	100.5000E		
Tala Pozo	TPA	Santiago del Estero,Argentina	27.8217S	64.2450W	177	
Talara	TAL	Peru	4.6317S	81.3067W	40	
Talasea	TLS	New Britain,Papua New Guinea	5.3097S	150.0450E	40	From 1972-09-01
Talawar	TLWR	India	31.9560N	75.9559E	480	From 2017-12-21
Talaya	TLAR	Magadanskaya Oblast',Russia	61.1297N	152.3978E	730	
Talaya	TLY	Irkutskaya Oblast',Russia	51.6807N	103.6438E	579	
Talbingo	TAO	New South Wales,Australia	35.6109S	148.2890E	570	From 1969-01-01
Talbot Arm	YUK4	Yukon Territory,Canada	61.3448N	138.6462W	2009	From 2010-08-29
Talbot Brook	WA3	Western Australia,Australia	32.0517S	116.6430E	276	From 1973-01-01
Talca	TALC	Maule,Chile	35.3980S	71.6340W	90	
Talchebab	TCHB	Syria	32.6692N	35.9688E	458	From 1995-02-01
Talcott Mountain	TMT	Connecticut,U.S.A.	41.8114N	72.7989W	290	From 1972-01-07 to 1977-06-10
Taldyqorghan	TDK	Kazakhstan	45.0020N	78.4060E	540	From 1975-04-20
Talgar	TLG	Kazakhstan	43.2300N	77.2300E	850	From 1994-07-27
Talgar	AAB	Kazakhstan	43.2330N	77.2250E	1120	From 1961-08-31 to 1998-01-01
Talgar	AA2	Kazakhstan	43.2300N	77.2300E		
Talibon, Bohol	TABP	Philippines	10.0910N	124.3320E	10	From 2016-03-31
Taliwang, Sumbawa	TWSI	Sumba,Indonesia	8.7381S	116.8821E	86	From 2008-12-01
Talkeetna Mountains	TLK	Alaska,U.S.A.	62.4938N	147.8780W	1719	From 1974-07-10 to 1975-11-11
Talkin	BTA	England,United Kingdom	54.9057N	2.6844W	279	
Talladega	TDA	Alabama,U.S.A.	33.5417N	86.0247W	181	
Tallapoosa	TOPM	Missouri,U.S.A.	36.5259N	89.8885W	80	
Tallapoosa	TPMO	Missouri,U.S.A.	36.5400N	89.8520W	83	
Tallong	TLNG	New South Wales,Australia	34.7152S	150.0846E	600	From 2011-02-17
Tallowa	TALM	New South Wales,Australia	34.7709S	150.3809E	290	
Tallowa Pump Stn	TALL	New South Wales,Australia	34.7334S	150.4615E	68	
Tall Timber Ranch, Leavenworth	C06A	Washington,U.S.A.	47.9230N	120.8944W	594	From 2006-09-13 to 2008-05-16
Talmassons	TLI	Italy	45.9217N	13.1019E	-49	From 1985-11-27
Talon	TONS	Magadanskaya Oblast',Russia	59.7570N	148.6610E	20	From 2001-01-01 to 2001-02-28
Talon	TLON	Magadanskaya Oblast'	59.7570N	148.6570E	18	From 2016-10-04
Taloyoak	SBNU	Nunavut,Canada	69.5405N	93.5571W	78	
Talpa de Allende	ESTA	Jalisco	20.3938N	104.8477W	1226	
Talsperre Zeulenoda	ZEU	Thuringen,Germany	50.6707N	11.9771E	346	From 2012-10-01
Tal'yany, Baikal	TANS	Irkutskaya Oblast',Russia	52.2000N	103.3000E	600	
Tal-Yuryakh	TURS	Magadanskaya Oblast',Russia	63.3070N	146.6340E	900	From 2001-03-01 to 2001-06-30
Tal-Yuryakh Coal Mine	SS62	Magadanskaya Oblast',Russia	63.3281N	146.2810E	940	From 2009-08-19
Tamagu	JJT	Ryukyu Islands,Japan	26.1495N	127.7667E	188	
Tamagusuku 2	JJT2	Ryukyu Islands,Japan	26.1423N	127.7468E	200	
Tamagusuku3	JJT3	Ryukyu Islands,Japan	26.1437N	127.7837E	138	From 2012-03-22
Tamana	JTA	Kumamoto,Japan	32.9637N	130.5328E	230	
Tamanrasset	TAM	Algeria	22.7917N	5.5233E	1395	From 1948-01-01
Tamanskiy	TMNR	Krasnodarskiy Kray	45.1550N	36.7850E	14	From 2018-10-11
Tamaro	TMA	Switzerland	46.1060N	8.8730E	1700	From 1981-01-01 to 2002-01-02
Tamasi	PKS9	Hungary	46.5870N	18.2789E	240	
Tambak Boyo	TBJI	Jawa,Indonesia	6.8179S	111.8481E	0	From 2007-12-01
Tambalato	VTAMB	Vanuatu	15.4679S	167.0714E	227	
Tambo	TAMB	Ecuador	0.6942S	78.3680W	4160	From 1990-08-10
Tambohuasha Chimborazo	TAMH	Ecuador	1.5430S	78.7800W	3674	From 2012-07-17
Tambo Quemado	BB04	Bolivia	18.2787S	69.0062W	4420	From 2012-01-20
Tam Dao	TDV	Vietnam	21.4647N	105.6457E	1200	
Tamdy-Bulak	TMD	Uzbekistan	41.7500N	64.6400E	273	
Tame, Arauca	TAMC	Colombia	6.4355N	71.7913W	457	From 2012-06-01
Tamenglong	TAME	Manipur	24.9790N	93.4850E	1181	
Tamitsa	TMCR	Arkhangel'skaya Oblast',Russia	64.1643N	38.0352E	23	From 2003-11-28
Tamokra	CTCHA	Algeria	36.4299N	4.6512E	314	
Tampico	TMX	Tamaulipas,Mexico	22.2550N	97.8506W	21	
Tamra	TAMR	Tunisia	37.0469N	9.1091E	93	From 2010-01-10 to 2018-04-01
TAMSEIS 9900, AN1	TAMA1	Victoria Land	77.2432S	166.3725E	61	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
TAMSEIS 9900, AN2	TAMA2	Victoria Land	77.0352S	163.1808E	10	
TAMSEIS 9900, AN3	TAMA3	Victoria Land	77.1150S	161.5317E	540	
TAMSEIS 9900, AN4	TAMA4	Victoria Land	77.4371S	163.8019E	10	
TAMSEIS 9900, AN5	TAMA5	Victoria Land	77.6986S	163.9118E	5	
TAMSEIS 9900, AN6	TAMA6	Victoria Land	77.4536S	162.6519E	390	
TAMSEIS 9900, AN7	TAMA7	Victoria Land	77.5296S	160.9227E	830	
TAMSEIS 9900, AN8	TAMA8	Victoria Land	77.5494S	160.2731E	1700	
TAMSEIS 9900, AN9	TAMA9	Victoria Land	77.9553S	162.1301E	1455	
Tamworth	I62A	New Hampshire,U.S.A.	43.8743N	71.3359W	264	From 2013-09-07
Tanabenakahechi	JTNC	Wakayama,Japan	33.8185N	135.6108E	337	From 2011-11-01
Tanabu	TNB	Aomori,Japan	41.2833N	141.2170E		
Tanaga Cape Sajaka	TACS	Alaska,U.S.A.	51.8632N	178.1394W	918	
Tanaga Falls Point	TAFP	Alaska,U.S.A.	51.9001N	177.9833W	440	
Tanaga Flats	TAFL	Alaska,U.S.A.	51.7566N	177.8978W	186	
Tanaga North	TANO	Alaska,U.S.A.	51.9157N	178.1208W	269	
Tanaga Point Aries	TAPA	Alaska,U.S.A.	51.8155N	177.8128W	640	
Tanaga Southeast	TASE	Alaska,U.S.A.	51.8350N	178.0370W	682	
Tana Glacier	TGL	Alaska,U.S.A.	60.7558N	142.8300W	1234	From 1988-07-01
Tanaharon	THRI	Bali,Indonesia	8.3694S	115.5430E	1000	
Tanaka	TKA	New Britain,Papua New Guinea	4.3449S	152.1780E	365	
Tanana	TNN	Alaska,U.S.A.	65.2567N	151.9120W	504	
Tanana	I21K	Alaska	65.1800N	151.9822W	248	From 2015-05-31
Tananarive	TAN	Madagascar	18.9169S	47.5519E	1375	From 1973-01-01
Tana Toraja	TTSI	Sulawesi,Indonesia	3.0451S	119.8190E	0	From 2007-12-01
Tanbara	JET	Ehime,Japan	33.7788N	133.0487E	410	
Tanegashima	TAJ	Ryukyu Islands,Japan	30.7367N	130.9933E	17	From 1970-07-01
Tanegashima 2	TAJ2	Ryukyu Islands,Japan	30.6350N	130.9800E	280	From 1984-08-01
Tanegashima 3	JTN	Ryukyu Islands,Japan	30.6543N	130.9797E	240	
Tanete Lipujang	TANI	Sulawesi,Indonesia	3.4361S	119.3830E	230	
Tangerang	TNG	Jawa,Indonesia	6.1717S	106.6462E	14	
Tangissart	TGA	Belgium	50.6046N	4.5223E	97	From 2018-10-09
Tangkuban Prahu	TPJ	Jawa,Indonesia	6.7667S	107.6000E		From 1969-01-01 to 1999-08-25
Tanjungpandan	TPI	Sumatera,Indonesia	2.7563S	107.6534E	25	
Tanjung Pinang	TPRI	Sumatera,Indonesia	0.9184N	104.5263E	41	From 2005-01-01
Tanmial	VESPI	Vanuatu	15.9737S	167.1919E	35	
Tanna	TANV	Vanuatu	19.5326S	169.2795E	100	
Tannan	TNJ	Kyoto,Japan	35.0314N	135.2136E	310	
Tannehill State Park	TSAL	Alabama,U.S.A.	33.2561N	87.0675W	180	
Tannenbergsthal	TANN	Sachsen,Germany	50.4149N	12.4616E	836	From 2000-12-19
Tanohata	JTH	Iwate,Japan	39.9387N	141.8637E	200	
Tantan	TANT	Morocco	28.4070N	11.2340W	281	
Tanti	TCA	Cordoba,Argentina	31.3370S	64.5954W	1035	From 1980-01-03
Tanto	TTOK	Hyogo,Japan	35.5065N	134.9772E	190	
Tanzanite One Mining	SIMG	Tanzania,United Republic of Tanzania	3.5623S	37.0257E	1092	
tAoh Zraii Njik	G30M	Yukon Territory,Canada	66.9808N	136.2216W	739	From 2016-08-24
Taoyuan	NTY	Taiwan region	24.9997N	121.2976E	94	From 2014-12-29
Taoyuan	STYH	Taiwan region	23.1704N	120.7757E	5	From 2015-02-06
Tapachula	TLA	Chiapas,Mexico	15.0289N	92.2000W		
Tapachula	TPX	Chiapas,Mexico	14.9050N	92.2611W	150	From 1984-01-01
Tapar	TAPR	Gujarat,India	23.2090N	69.6635E	120	From 2012-01-01
Tapias, MORA	CMORA	Colombia	4.4632N	75.3678W	2280	
Tapihue Array	GA0S	Maule	33.2757S	71.2770W	325	
Tapihue Array	GA1S	Maule	33.2747S	71.2788W	319	
Tapihue Array	GA2S	Maule	33.2772S	71.2782W	326	
Tapihue Array	GA3S	Maule	33.2765S	71.2752W	330	
Tapihue Array	GA4S	Maule	33.2742S	71.2758W	322	
Tapini	TPN	Papua New Guinea	8.3569S	146.9840E	989	
Taplejung	TAPN	Nepal	27.3500N	87.7100E	2530	From 1994-04-01
Tapovan	TPVN	Himachal Pradesh,India	30.4964N	79.6113E	2110	From 2007-05-01
TAPS Pump St10	PS10	Alaska,U.S.A.	63.4233N	145.7684W	732	
TAPS Pump St11	PS11	Alaska,U.S.A.	62.0793N	145.4730W	377	
TAPS Pump St12	PS12	Alaska,U.S.A.	61.4754N	145.1438W	568	
TAPS Pump Stn	PS01	Alaska,U.S.A.	70.2582N	148.6108W	2	
TAPS Pump Stn4	PS04	Alaska,U.S.A.	68.4218N	149.3538W	851	
TAPS Pump Stn5	PS05	Alaska,U.S.A.	66.8114N	150.6619W	331	
TAPS Pump Stn6	PS06	Alaska,U.S.A.	65.8549N	149.7344W	280	
TAPS Pump Stn7	PS07	Alaska,U.S.A.	65.3106N	148.2791W	290	
TAPS Pump Stn8	PS08	Alaska,U.S.A.	64.5426N	146.8196W	320	
TAPS Pump Stn9	PS09	Alaska,U.S.A.	63.9303N	145.7659W	478	
TAPS TI Valdez	VMT	Alaska,U.S.A.	61.0832N	146.3673W	60	
Ta-pu	WTP	Taiwan region	23.2460N	120.6140E	560	
Ta-pu	TPUB	Taiwan region	23.3005N	120.6296E	370	
Tara	ETA	Ireland	52.6958N	6.2100W	140	From 1982-03-01
Taradale	TRZ	North Island,New Zealand	39.5515S	176.8215E	17	From 1969-03-20 to 1988-05-25
Taradale Trig	TTH	North Island,New Zealand	39.5395S	176.8264E	120	From 1987-03-19 to 2003-07-26
Tarade	TAG	Guadeloupe,France	16.0420N	61.6642W	1182	
Taragay, Kyrgyzstan	TARG	Kyrgyzstan	41.7291N	77.8048E	3528	From 2008-08-14
Tara Hills	THP	South Island,New Zealand	44.5433S	169.8881E	760	From 1975-06-18 to 1984-01-22
Tarakan	TARAI	Kalimantan,Indonesia	3.3271N	117.5703E	95	From 2000-01-01
Tarama	JTJ	Ryukyu Islands,Japan	24.6408N	124.7020E	7	
Taranto	TA1	Italy	40.4096N	17.2833E		From 1977-01-01 to 1999-08-25
Taranto	TTI	Italy	40.4096N	17.2833E	20	From 1977-01-01 to 1999-08-25
Taranto	TAR1	Italy	40.5259N	17.2843E	75	From 2009-09-01
Taranto	TAR	Italy	40.4750N	17.2583E	15	
Taranto	TART	Italy	40.4618N	17.2550E	47	From 2019-11-06
Tarany	A264A	Hungary	46.1597N	17.2897E	143	From 2016-01-27
Taraponui	TAHZ	North Island,New Zealand	39.1340S	176.7405E	1297	From 1987-03-19 to 1997-08-18
Tarata	TNZ	North Island,New Zealand	39.1854S	174.3805E	123	From 1962-05-07 to 1985-07-27
Taravao	TVO	Tahiti,French Polynesia	17.7825S	149.2517W	620	
Tarawa	TARA	Kiribati (Gilbert Islands),Kiribati	1.3549N	172.9229E	19	
Tarawera	TAZ	North Island,New Zealand	38.2312S	176.5080E	1037	From 1984-07-18 to 2007-12-18
Taraz	DZA	Kazakhstan	42.8920N	71.3310E	631	
Tarbela	TAR2	Pakistan	34.0510N	72.6980E	396	From 1973-08-23
Tarbela	TRB	Pakistan	34.0828N	72.7157E	532	
Tarbella	TBLA	Pakistan	34.1000N	72.8000E	392	From 2010-06-12
Tardaria	ETAR	Sicily,Italy	37.6630N	15.0590E	940	From 2001-07-01
Targassone	TRGS	Languedoc-Rousillon,France	42.5022N	1.9667E	1700	
Targoviste	TRG1	Romania	44.9109N	25.4506E	279	From 2015-09-01
Targu Jiu	TGJ	Romania	45.0383N	23.3016E	218	From 2015-09-02
Targu Mures	TGMR	Romania	46.5284N	24.5222E	320	From 2015-11-23
Tarifa	TARIF	Spain	36.0309N	5.5706W	114	
Tarifa	EXTA	Spain	36.0120N	5.6010W	28	
Tarija	TRJ	Bolivia	21.5131S	64.7761W	2100	
TarijaAcel	AOVT	Bolivia	21.5350S	64.7060W	1886	From 2016-07-15
Tarkhankut	TARU	Crimea	45.3770N	32.5320E	0	From 2012-07-11
T¥rnvik	N2TV	Norway	67.5675N	15.1252E	5	From 2013-08-01 to 2016-05-30
Taroona High School, Taroona	AUTAR	Tasmania,Australia	42.9400S	147.3600E	25	From 2013-10-01
Tarpa	TRPA	Hungary	48.1304N	22.5391E	113	From 2006-11-01
Tarquinia - VT	TO07	Italy	42.2714N	11.7888E	188	From 2008-07-15 to 2009-10-18
Tarquinia - VT	TO06	Italy	42.2015N	11.8360E	96	From 2008-05-14 to 2009-04-02
Tarraleah	TRR	Tasmania,Australia	42.3042S	146.4500E	579	From 1960-01-01 to 2009-09-03
Tarraleah	LEAH	Tasmania,Australia	42.3027S	146.4516E	590	
Tart-Le-Haut, 21623, Bourgogne-Franche-Comte	A163A	France	47.1970N	5.2010E	222	From 2016-06-14
Tartu	TRTE	Estonia	58.3786N	26.7205E	100	
Tartu	TTU	Estonia	58.3833N	26.7167E		
Tarutung	TRSI	Sumatera,Indonesia	2.0256N	98.9594E	979	From 2005-01-01
TASBURUN-IGDIR	TASB	Turkey	39.9838N	44.2384E	849	From 2011-10-30
Tashata	TSTA	Uzbekistan	40.5782N	72.4771E	641	
TashGRES	TGS	Uzbekistan	41.4230N	69.5200E	400	
Tashiro 2	JTSR	Kagoshima,Japan	31.1663N	130.9217E	430	
Tashkent	TAS	Uzbekistan	41.3250N	69.2950E	470	From 1901-01-01
Tashtagol	TASR	Kemerovskaya Oblast',Russia	52.7600N	87.8800E	530	
Taskesti	BTAS	Turkey	40.5706N	30.9999E	732	From 2009-11-20
Taslik	TST	Turkey	40.2483N	28.3733E	35	From 1978-11-01 to 1999-08-25
Tasmania University	TAU	Tasmania,Australia	42.9099S	147.3200E	132	From 1957-01-01
Tasoluk	AYDN	Turkey	37.6608N	27.8792E	716	From 2002-12-20
Tassajara Creek	PTAM	California,U.S.A.	35.3925N	120.7078W	802	
Tasu	TSB	British Columbia,Canada	52.7650N	132.0330W	30	From 1984-04-13
Tasu	TSUB	British Columbia,Canada	52.7551N	132.0415W	314	From 2012-11-07

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Tatafo	VBUTM	Vanuatu	15.3505S	166.9986E	531	
Tatafo	VLEBE	Vanuatu	15.4148S	166.9526E	442	
Tatalina	TT01	Alaska,U.S.A.	62.9066N	156.0204W	380	
Tatalina	TTA	Alaska,U.S.A.	62.9301N	156.0116W	990	From 2010-05-13
Tatalina	TTL	Alaska,U.S.A.	62.8986N	155.9760W		
Tatama	TATC	Colombia	5.1267N	75.9969W	2200	
Tatamba Isabel	TATA	Solomon Islands	8.3869S	159.8042E	62	From 2018-10-30
Tataouine	TATN	Tunisia	32.5787N	10.5295E	550	From 2010-01-10 to 2018-04-01
Tatarca	TATR	Romania	45.5977N	28.0499E	76	From 2015-07-23
Tateyama	TAT	Chiba,Japan	34.9833N	139.8680E	6	
Tateyama	TYM	Chiba,Japan	34.9708N	139.8481E	30	
Tateyama 2	TATJ	Chiba,Japan	35.0317N	139.8902E	40	From 1990-05-10
Tathlith	TATS	Saudi Arabia	19.5416N	43.4773E	1123	
Tatla Lake BC	TALB	British Columbia,Canada	52.0147N	124.2536W	1122	From 2006-08-28
Tatong	TATM	Victoria,Australia	36.7747S	146.1061E	342	
Tatsuka	TATH	Iburi,Japan	42.5305N	140.8838E	140	
Tatum	Z27A	New Mexico,U.S.A.	33.3150N	103.2145W	1197	From 2008-04-17 to 2010-03-04
Tatum Dome	TQ-MS	Mississippi,U.S.A.	31.1328N	89.5711W	130	
Tatvan	TATV	Turkey	38.5080N	42.2672E	1831	From 2006-10-19 to 2011-11-11
Tauisk	TAUS	Magadanskaya Oblast',Russia	59.7290N	149.3350E	5	From 2001-01-01 to 2001-04-30
Tau Lekoa	TLEK	South Africa	26.9620S	26.6710E	1307	From 2008-06-30
Tau Lekoa	TAUL	Transvaal,South Africa	26.9960S	26.6090E	1350	From 2008-04-07
Taunus Mts	TNS	Hessen,Germany	50.2225N	8.4473E	815	From 1913-01-01
Tauranga	TGRZ	North Island,New Zealand	37.7288S	176.2609E	145	From 2003-02-18
Taurewa	TWVZ	North Island,New Zealand	39.0707S	175.4377E	1084	From 2004-05-18
Tausa, Cundinamarca	CTAU	Colombia	5.2030N	74.0443W	3868	From 2010-08-10
Tautenburg	TAUT	Thuringen,Germany	50.9816N	11.7107E	330	From 2008-05-16
Tauwhareparae	TWGZ	North Island,New Zealand	38.1767S	177.9804E	627	From 2009-12-09
Tauyuan	STYT	Taiwan region	23.1630N	120.7570E	640	
Tavaksay	TVKS	Uzbekistan	41.5748N	69.6528E	789	
Tavarnelle	TAV1	Italy	43.5890N	11.1431E	285	From 2014-12-19
Tavernes	TAVF	Provence-Cote d'Azur,France	43.6173N	6.0578E	689	From 1982-11-01
Taveuni	TAVE	Fiji	16.7079S	179.9059W	123	
Taveuni	TVI	Fiji	16.9259S	179.9590E	814	From 1981-11-01
Tavil'dara	TDT	Tajikistan	38.6833N	70.4833E	1670	
Tavira	PTAV	Portugal	37.1251N	7.6547W	25	From 2015-02-27
Tavsanli	TVSB	Turkey	39.4497N	29.4615E	1090	From 2009-02-12
Tavurvur	TAV	New Britain,Papua New Guinea	4.2312S	152.2200E	31	From 1967-01-01
Tawang	TAWA	Arunachal Pradesh,India	27.5938N	91.8668E	2979	From 2011-06-11
Tawau	TSM	Sabah,Malaysia	4.2936N	117.8725E	62	
Tawu	TAW	Taiwan region	22.3576N	120.8960E	8	
Tawu	TWJ1	Taiwan region	22.3696N	120.8838E	150	From 1978-01-13
Taxiarchis Harbor, Nea Kameni, Santorini I..	STAX	Greece	36.3993N	25.4045E	20	From 2012-03-30
Tayabas	TQP	Luzon,Philippines	13.8989N	121.8660E	300	
Tayabas	TAY	Luzon,Philippines	13.8990N	121.8660E	300	
Tayfur-Gelibolu	GELI	Turkey	40.3980N	26.4741E	129	From 2008-07-05
Taylor	NTYM	California,U.S.A.	38.3895N	122.6620W		
Taylor	CTAM	California,U.S.A.	38.0269N	122.0160W	152	
Taylor Creek Farms, Clarkson	M33A	Nebraska,U.S.A.	41.5726N	97.1950W	503	From 2010-06-16 to 2012-04-23
Taylor Farm	CTFL	California,U.S.A.	37.6463N	121.6720W	295	From 1981-01-01
Taylor Mountain	NTMM	California,U.S.A.	38.3858N	122.6800W	105	From 1970-08-14
Taylor Mountain	TMI	Idaho,U.S.A.	43.3056N	111.9180W	2179	
Taylor Ranch	PTYM	California,U.S.A.	35.9455N	120.4740W	552	From 1967-01-12
Taylor Ranch	PK3	California,U.S.A.	35.9455N	120.4740W	552	From 1967-01-12
Taylor Ranch	TRC	California,U.S.A.	35.9455N	120.4740W	552	From 1967-01-12
Taylorsville	V55A	North Carolina,U.S.A.	35.8518N	81.2149W	306	From 2013-02-17
Taylorsville	TVNC	North Carolina,U.S.A.	36.0331N	81.2131W	731	
Tayma	URD11	Saudi Arabia	27.9366N	37.4570E	1020	
Tayyib Ism	TAYS	Saudi Arabia	28.5511N	34.8717E		
Tazeka	TZK	Morocco	34.0890N	4.1840W	1980	From 1993-01-01
Tazercounte	TZC	Morocco	32.1480N	6.4900W	1700	
Tazewell	T54A	Virginia,U.S.A.	37.0608N	81.5762W	852	From 2013-01-30
Tazewell	TZTN	Tennessee,U.S.A.	36.5439N	83.5490W	394	From 2005-02-23
Tazlina	TZL	Alaska,U.S.A.	62.0445N	145.4240W	366	From 1990-07-01
Tazzarine	TZRR	Morocco	30.7850N	5.5690W	994	
TBBG	TBBG	Germany	52.8700N	10.6320E	120	
T'bilisi	TIF	Georgia,Georgia	41.7167N	44.8000E	399	From 1899-01-01 to 1978-12-31
Tbilisi Sea	SEAG	Georgia,Georgia	41.7643N	44.8034E	607	From 2003-01-01
Tchakhmakh	TCHZ	Armenia	40.9000N	43.7000E	1860	
Teagarden Farms, La Cygne	R37A	Kansas,U.S.A.	38.3133N	94.8294W	298	From 2010-03-24 to 2012-03-03
Teain	TAIA	Republic of Korea	36.6507N	126.9318E	31	From 2018-03-09
Teanaway	TWW	Washington,U.S.A.	47.1381N	120.8680W	1046	From 1986-10-01
Teasdale	R16A	Utah,U.S.A.	38.2843N	111.4827W	2202	From 2007-06-26 to 2009-03-10
Tea Tree Gully	UTT	South Australia,Australia	34.8215S	138.7367E	300	
Te Atua	TEHZ	North Island,New Zealand	39.9877S	176.8114E	407	From 1987-03-19 to 1997-08-04
Tecamachalco	TCPM	Puebla,Mexico	18.8900N	97.6894W		
Tecapa	TECA	El Salvador	13.4945N	88.5023W	1603	
Tecapa	TCPZ	El Salvador	13.4890N	88.5070W	1594	
Tecate	TKX	Baja California,Mexico	32.5687N	116.6075W	541	
Techi	TDCB	Taiwan region	24.2531N	121.1583E	1295	
Technical University Creta	CH03	Crete,Greece	35.5330N	24.0705E	112	From 2013-08-01
Technology Drive Fremont	C023	California,U.S.A.	37.5104N	121.9540W	1	From 2009-08-11 to 2011-06-29
TEC LaTrobe	TECM	Victoria,Australia	37.7245S	145.0555E	156	
Tecnologico de Monterrey	TMM	Nuevo Leon,Mexico	25.7505N	100.2029W	585	
Tecnologico de Monterrey 2	TMM2	Nuevo Leon,Mexico	25.6992N	100.2663W		
Tecolote Peak, Malaga	226B	New Mexico,U.S.A.	32.0778N	104.1654W	981	From 2009-02-21 to 2010-02-17
Tecomasuche	TME	El Salvador	14.0169N	89.3556W	516	
Tecpan	TEP	Guatemala	14.7878N	90.9715W	1640	From 1978-06-01
Tecpan 2	TP2	Guatemala	14.7833N	91.0213W	3075	From 1982-01-01
Tecpatan	TCX	Chiapas,Mexico	17.1330N	93.2950W	471	From 1979-12-01
Tecuci	TECR	Romania	45.8416N	27.4089E	62	
Tecumseh	W35A	Oklahoma,U.S.A.	35.1527N	96.8745W	322	From 2010-04-15 to 2012-02-01
Teekin	TEK	Tonga	21.1297S	175.3220W	20	From 1970-10-01
Teeli	TEL	Tyva,Russia	51.0200N	90.2000E	980	
Teeples Ranch	TEE	Montana,U.S.A.	48.3795N	115.5880W	805	From 1971-02-01 to 1976-10-04
Tefe	TEFE	Amazonas	3.5091S	64.6347W	52	From 2016-11-16
Tegal	TGJI	Jawa,Indonesia	6.8679S	109.1210E	44	From 2005-01-01
Teggiano - Istituto P. Leto	TEGI	Italy	40.3799N	15.5365E	568	
Tegucigalpa,Univ of Honduras	TGUH	Honduras	14.0570N	87.2730W	1151	From 2006-09-20
Tehachapi Microwave	THC	California,U.S.A.	34.9087N	118.6630W	1718	
Tehra@18n	THR	Iran	35.9080N	51.1260E	2050	From 2000-08-01
Tehran	TEH	Iran	35.7367N	51.3817E	1462	
Tehran--Karaj	THKV	Iran	35.9157N	50.8788E	1795	From 1999-04-24
Tehuacan	THEZ	Puebla	18.4777N	97.3833W	1641	
Tehuac#an	TPIG	Puebla,Mexico	18.4195N	97.3617W	1488	From 2002-10-10
TEI Chania	ATEI	Crete	35.5193N	24.0432E	59	From 2015-06-01
Teide Nord	TNOR	Canary Islands	28.2902N	16.6807W	2002	From 2016-11-03
Tejag	ITEG	Iran	32.8965N	58.7488E	1745	From 2005-12-01
Tejeda	ATEJ	Spain	36.9150N	4.0140W	1480	
Tejon Ranch	TJR	California,U.S.A.	35.0275N	118.7430W	439	
Tejupilco	TEJU	Mexico D.F.	18.9040N	100.1595W	1340	
Te Kaha	HAZ	North Island,New Zealand	37.7561S	177.7826E	20	From 2010-01-14
Te Karaka	TKGZ	North Island,New Zealand	38.4392S	177.8485E	98	From 2010-03-13
Tekederesi - Erzurum	ETEKE	Turkey	39.7944N	41.1379E	2136	From 2017-10-18
Tekeli-Mersin	TEKE	Turkey	36.1427N	33.1141E	172	From 2011-07-01
Tekeris	TEKS	Serbia	44.5492N	19.5287E	500	From 2008-12-29
Tekirdag	TKR	Turkey	40.9902N	27.5357E	140	
Tekirdag	SART	Turkey	40.6889N	27.1800E	800	From 1997-02-27
Tekirdag	TDAG	Turkey	40.9903N	27.5344E	148	From 1996-04-01 to 1997-02-26
Tekketepe	TKTP	Turkey	38.0400N	30.3200E	1788	From 1996-04-01
Telchick Spring	TCSI	Idaho,U.S.A.	43.6193N	113.4780W	1731	From 1992-01-01
Telegraph Cove	TLCB	British Columbia,Canada	50.5465N	126.8345W	10	From 2004-12-20
Telegraph Creek	TCBC	British Columbia,Canada	57.9231N	131.2820W	1356	From 1989-10-10
Telegraph Creek	S34M	British Columbia,Canada	57.9128N	131.1312W	298	From 2016-05-05
Telford	O60A	Pennsylvania,U.S.A.	40.3177N	75.4050W	70	From 2013-04-28
Telica	TELN	Nicaragua	12.6042N	86.8313W	850	
Telica 3	TEL3	Nicaragua	12.5722N	86.8448W	300	
Telida	K20K	Alaska	63.3569N	154.0700W	548	From 2015-06-30
Teller	TLR	Alaska,U.S.A.	65.3183N	166.2117W	122	From 1980-01-01 to 1983-01-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Tellico Plains	TLT	Tennessee,U.S.A.	35.3011N	84.2833W	512	
Telus,Franklin R.	TFRB	British Columbia,Canada	48.9332N	124.6363W	0	From 2004-05-28
Tema	TEGH	Ghana	5.6367N	0.0014W	14	From 1987-01-01
Te Maari	TMVZ	North Island,New Zealand	39.1156S	175.7041E	1200	From 2013-05-14
Te Maipa	TMWZ	North Island,New Zealand	41.1066S	175.8905E	529	From 2007-02-23
Tembe Elephant Park,KwaZulu Natal	TEMBE	South Africa	27.0419S	32.4269E	80	From 2018-02-02
Temblor Range Southeast	TMB	California,U.S.A.	35.0873N	119.5350W	1021	From 1976-06-01
Temeni, Aigialia, West Greece	TEME	Greece	38.2317N	22.1181E	-56	From 2000-03-15
Temiscaming	JBBQ	Quebec,Canada	46.7751N	78.9632W	278	From 2001-12-04
Temiscaminque	MLQ2	Quebec,Canada	46.6814N	78.9907W	299	
Temiskaming	TMK	Quebec,Canada	46.6667N	79.0667W		
Tempa Rossa 01	TR01	Italy	40.4808N	16.0180E	1152	From 2018-09-05
Tempa Rossa 02	TR02	Italy	40.4893N	15.8749E	1043	From 2018-09-20
Tempa Rossa 03	TR03	Italy	40.5872N	16.0076E	463	From 2018-09-05
Tempa Rossa 04	TR04	Italy	40.4968N	16.2156E	567	From 2018-08-08
Tempa Rossa 05	TR05	Italy	40.3836N	16.0953E	671	From 2018-09-03
Tempa Rossa 06	TR06	Italy	40.2929N	16.1216E	943	From 2018-08-09
Tempa Rossa 07	TR07	Italy	40.4451N	15.9561E	802	From 2018-09-18
Tempa Rossa 08	TR08	Italy	40.3943N	16.0120E	676	From 2018-08-31
Tempa Rossa 09	TR09	Italy	40.4000N	16.1960E	689	From 2018-09-19
Tempa Rossa 10	TR10	Italy	40.4323N	16.0958E	830	From 2018-08-30
Tempa Rossa 11	TR11	Italy	40.4743N	16.1032E	1165	From 2018-09-19
Tempa Rossa 12	TR12	Italy	40.4119N	16.0337E	849	From 2018-09-03
Tempiute Mountain	TPU	Nevada,U.S.A.	37.6046N	115.6496W	1964	
Temple University, Ambler	TUPA	Pennsylvania,U.S.A.	40.1663N	75.1864W	112	
Temporary aftershock station near Magadan	ST18S	Magadanskaya Oblast',Russia	59.6640N	150.2010E	18	From 2004-11-01 to 2004-12-01
Temporary station #20	ST20S	Magadanskaya Oblast',Russia	62.8950N	151.7470E	387	From 2005-04-22 to 2005-04-26
Temporary station #21	ST21S	Magadanskaya Oblast',Russia	62.9210N	151.8490E	384	From 2005-04-21 to 2005-04-25
Temporary station #22	ST22S	Magadanskaya Oblast',Russia	62.9050N	151.7420E	398	From 2005-04-15 to 2005-04-17
Temporary station #23	ST23S	Magadanskaya Oblast',Russia	62.8940N	151.7470E	385	From 2005-04-15 to 2005-04-17
Temuco	TMU	Cautin,Chile	38.7344S	72.6006W	100	From 1974-04-01
Temuco	TMCH	Chile	38.7490S	72.6164W	100	
Temuco	TEM	Cautin,Chile	38.7750S	72.6056W		From 1965-09-01 to 1999-08-25
Tena	TENA	Ecuador	0.7327S	77.7622W	1161	From 1994-09-21
Tena	ATEN	Ecuador	1.0069S	77.8113W	522	From 2012-07-14
Tendaho Dam	DAME	Ethiopia	11.6868N	40.9625E	430	
Tende	OG23	Rhone-Alpes,France	44.1164N	7.6175E	937	From 1989-06-26
Tendick Farm, Oakridge	I04A	Oregon,U.S.A.	43.7941N	122.4113W	731	From 2006-11-03 to 2007-11-01
Tendola (MS)	T0913	Italy	44.1674N	10.0442E	296	From 2013-06-21
Tendrara	TDRA	Morocco	33.0400N	2.0290W	1738	
Tenerife	TEN	Canary Islands,Spain	28.4643N	16.2454W	1	From 1952-01-01 to 1983-01-31
Tenerife	CTFE	Canary Islands,Spain	28.4794N	16.2622W	270	From 1983-01-01
TengChong	TNCH	Yunnan,China	25.0289N	98.5197E	1630	From 2009-01-01
Tenhult	TNU	Sweden	57.6380N	14.2690E		From 1980-01-01 to 1991-12-31
Tenkeli	TLIS	Sakha,Russia	70.1800N	140.7800E	110	From 1984-01-01 to 1995-01-01
Tenkes	RHK3	Hungary	45.8885N	18.2521E	420	
Tenmabayashi	JTM	Aomori,Japan	40.7868N	141.0682E	130	
Ten Mile Ranch, Cody	K28A	Nebraska,U.S.A.	42.7136N	101.3665W	986	From 2009-06-03 to 2011-04-08
Tennant Creek	WRAB	Northern Territory,Australia	19.9333S	134.3500E	366	From 1994-03-27
Tennessee City	TCT	Tennessee,U.S.A.	36.0053N	87.5528W	245	From 1988-03-10
Tennyson Woods	TWOA	South Australia,Australia	35.0325S	138.5781E	165	From 1978-04-01
Tenryu	TNRJ	Shizuoka,Japan	34.9078N	137.8850E	66	From 1979-04-01
Teolo	TEOL	Italy	45.3600N	11.6700E	370	
Teotitlan	TEO	Oaxaca,Mexico	18.1382N	97.0752W	1060	
Tepee Creek	TPMT	Montana,U.S.A.	44.7298N	111.6660W	2518	From 1992-10-12
Tepee Creek (NFS), Magee	C11A	Idaho,U.S.A.	47.8397N	116.2557W	914	From 2007-08-28 to 2009-07-18
Tepekoy-Mersin	TEPE	Turkey	36.2196N	33.5614E	572	From 2011-07-01 to 2013-12-01
Tepekoy-MERSIN	TEPK	Turkey	36.2241N	33.5450E	574	From 2013-12-29
Tepelena	TPE	Albania	40.2952N	20.0109E	251	From 1984-04-01
Tepic	TEPI	Nayarit	21.5235N	104.9167W	974	
Tepic	TPICX	Nayarit	21.4839N	104.8490W	923	From 2014-09-17
Tepich	TEIG	Yucatan,Mexico	20.2263N	88.2764W	69	From 2009-09-18
Tepoztlan	TPM	Morelos,Mexico	18.9833N	99.0617W	1500	
Tequesquite Ranch, Mosquero	V26A	New Mexico,U.S.A.	35.7964N	103.7860W	1362	From 2008-05-10 to 2010-04-20
Teramo	TERO	Italy	42.6228N	13.6039E	673	From 2003-11-20
Tercis-les-Bains	TERF	Aquitaine,France	43.6788N	1.1133W	50	From 2011-03-25
Ter de Rio Valdez	TRVA	Tierra del Fuego,Argentina	54.6803S	67.3395W	240	
TERE	TERE	Ethiopia	12.4832N	40.3144E	379	
Terek-Say	TRKS	Kyrgyzstan	41.5300N	71.1400E	1640	
Tereno de la Politecnica a San Roque, San Juan, Quito, Ecuador	RQEC	Ecuador	0.2131S	78.5314W	3184	From 2016-05-17
Teren Tiev Lake	TTV	Alaska,U.S.A.	61.0548N	147.1210W	533	From 1984-09-18
Terepaima	TEPV	Venezuela	9.9637N	69.1917W	470	From 2002-11-21
Teresina	TRSB	Piaua,Brazil	4.8700S	42.7100W	125	
Teriberka	TERR	Murmanskaya Oblast'	69.2015N	35.1076E	30	From 2010-05-01
Terlingua Ranch, Terlingua	627A	Texas,U.S.A.	29.4528N	103.3887W	1163	From 2008-03-08 to 2010-02-08
Termal-Yalova	TRML	Turkey	40.6095N	29.1735E	204	From 2014-01-01
Termas del Arapey, Salto.	ARAP	Uruguay	30.9404S	57.5043W	0	From 2017-01-09
Terme di Santa Lucia (Busana) - RE	RE05	Italy	44.4018N	10.3270E	1007	From 2008-12-28 to 2009-02-12
Termini	ISOR	Italy	40.5820N	14.3350E	497	From 1976-01-01
Ternate	TNTI	Moluccas,Indonesia	0.7718N	127.3667E	43	From 2007-01-05
Ternate	TNE	Moluccas,Indonesia	0.7860N	127.3690E	0	
Ternei	TEY	Primorskiy Kray,Russia	45.0360N	136.6030E	50	From 1982-02-01
Ternell	BTNL	Belgium	50.5862N	6.1297E	550	From 2013-09-16
Terni	TRN1	Italy	42.5582N	12.6461E	175	From 2015-06-24
Terra Adelie	CORRE	Terre Adelie	67.5828S	144.2750E	124	
Terracino	MZ099	Italy	42.6801N	13.2154E	1151	From 2016-10-11 to 2016-10-25
Terradas	ETER	Spain	42.3015N	2.8555E	238	From 1988-03-01
Terra Mystica	MYKA	Austria	46.6299N	13.6416E	909	From 2006-12-13
Terranera (Rocca di Mezzo)	RM16	Italy	42.2347N	13.5321E	1311	From 2009-04-08 to 2009-05-25
Terranova	TER	Guatemala	14.3023N	90.6837W	560	From 1975-03-01
Terra Nova	BD15	Nordrhein-Westfalen,Germany	50.9145N	6.5903E	65	From 2013-09-24
Terranova Bay	TNV	Victoria Land	74.6950S	164.1240E	40	
Terranova Sibari	TDS	Italy	39.6589N	16.3378E	270	
Terranuova Bracciolini	TTER	Italy	43.5530N	11.5930E	163	From 2005-11-08
Terra Rica	TRCB	Parana,Brazil	22.7953S	52.6340W	580	
Terraza Guagua	TERV	Ecuador	0.1743S	78.6043W	4228	From 2004-01-01
TERRAZAS BANDA ANCHA	BTER	Ecuador	0.1777S	78.6059W	4436	From 2016-09-28
Terre Adelie	PORMA	Terre Adelie	66.8184S	141.3900E	100	
Terre Adelie	PIDGE	Terre Adelie	66.9820S	143.8930E	0	
Terre Adelie	PINGU	Terre Adelie	67.5955S	146.0770E	60	
Terre Adelie	TAA	Terre Adelie	66.8178S	141.3950E	8	
Terrebonne, OR	I05D	Oregon,U.S.A.	44.3386N	121.3395W	811	From 2009-10-20
Terre de Bas, Les Saintes	TDBA	Guadeloupe,France	15.8490N	61.6360W	157	From 2012-10-01
Terre Haute	THI	Indiana,U.S.A.	39.4069N	87.3600W	150	From 1962-09-21
Terrell	TREL	Texas,U.S.A.	32.7304N	96.0893W	174	From 2017-08-06
Terry Harris R'ch	CTHM	California,U.S.A.	37.6680N	121.6557W	344	
Terskaya	TRKR	Severo-Osetinskaya,Russia	43.7233N	44.7321E	141	From 2005-08-09
Teru	TRUE	Ethiopia	12.4841N	40.3161E	377	
Ts	PKST	Hungary	47.2590N	18.0343E	473	From 2007-05-31
Tescani	TESR	Romania	46.5118N	26.6489E	372	
Teshekpuk Lake	B22K	Alaska,U.S.A.	70.3400N	153.4196W	49	From 2017-08-11
Teshikaga	TES	Kushiro,Japan	43.4836N	144.4028E	230	
Tesla Road	CTLM	California,U.S.A.	37.6573N	121.6440W	458	
Teslin, Yukon	P33M	Yukon Territory	60.2114N	132.8174W	1066	From 2015-10-15
Test Site	N2-NV	Nevada,U.S.A.	36.6333N	115.9831W		
Tesuque Peak	TSP	New Mexico,U.S.A.	35.7853N	105.7810W	3664	From 1973-10-14
Tesvikiye-Yalova	TSVK	Turkey	40.6267N	29.0873E	70	From 2014-01-01
Tete	TET	Mozambique	16.1467S	33.5768E	153	From 1970-12-01
Tete	TETE	Mozambique	16.1470S	33.5770E	153	From 2015-10-14
Tete Morne	DTMT	Dominica	15.2330N	61.3520W	496	
Tetilla Peak	TTP	New Mexico,U.S.A.	35.6094N	106.2060W	2103	From 1973-10-01
Tetitlan	TETM	Guerrero,Mexico	17.1617N	100.6305W	50	
Teton Pass	TPAW	Wyoming,U.S.A.	43.4901N	110.9510W	2512	From 1986-01-01
Tetrakomo, Epirus, Greece	TETR	Greece	39.3445N	21.2747E	942	From 2018-11-05
Tettnang	TETT	Baden-Wurttemberg	47.6600N	9.6136E	549	From 2016-10-01
Teulada	SU04	Italia	39.0250N	8.8042E	483	From 2014-09-22 to 2015-09-04
Tevekalti-Mersin	TEVE	Turkey	36.4359N	33.4430E	847	From 2011-07-01
Texada	TXB	British Columbia,Canada	49.6969N	124.4360W	515	From 1984-01-14
Texada	TXDB	British Columbia	49.6979N	124.4377W	501	From 2019-09-11

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Texas Christian University	FW15	Texas,U.S.A.	32.7044N	97.3695W	192	From 2017-04-12
Tezpur	TZR	Assam,India	26.6333N	92.8000E		
TEZPUR	TEZP	Assam,India	26.6168N	92.7989E	83	From 2011-05-01
TFER	TFER	Costa Rica	10.2082N	85.2706W	69	From 1999-12-06 to 2000-06-18
Thakurdwara	TKRD	India	29.1480N	78.8550E	204	From 2017-12-09
Thakurichhap	THAK	Nepal	27.5997N	85.5567E	1551	From 2001-10-16 to 2002-11-07
Thala	THA	Tunisia	35.5603N	8.6997E	1080	
Thala	THTN	Tunisia	35.5616N	8.6881E	1095	From 2010-01-10 to 2018-04-01
Thalero	THAL	Greece	38.0372N	22.6631E	129	From 2008-06-14
Thallon Road	WTRQ	Queensland,Australia	27.5286S	152.4640E		From 1985-05-23
Thamme Wali	THW	Pakistan	32.7943N	71.7427E	533	
Thanh Hoa	THV	Vietnam	19.8508N	105.7820E	0	From 2001-01-01
Thanula	THAN	Malawi	11.4683S	34.1842E	683	From 2014-07-18 to 2015-11-04
Than Uyen	BC2V	Vietnam	21.9540N	103.8780E	603	
Thassos	THSA	Greece	40.7799N	24.7103E	1	
Thassos island	THAS	Greece	40.6064N	24.7194E	67	From 2012-07-04
Thassos, Thassos Island	THS1	Greece	40.7385N	24.5751E	36	From 2010-11-01
Thathri	THTRI	Jammu and Kashmir	33.1455N	75.7918E	931	
Thathri	TATRI	Jammu and Kashmir	33.1427N	75.7715E	1083	
Thazima	THAZ	Malawi	10.8305S	33.5924E	1695	From 2014-07-16 to 2015-11-04
The Bluff, Cayman Brac	CBCY	Cayman Islands	19.7380N	79.7583W	31	From 2011-01-01
The Citadel Site 1	C1SC	South Carolina,U.S.A.	32.7983N	79.9590W	5	
The Citadel Site 2	C2SC	South Carolina,U.S.A.	32.7993N	79.9643W	2	
The Dalles	VTDM	Oregon,U.S.A.	45.5453N	121.3110W	305	
The Farm, Brule	E38A	Wisconsin,U.S.A.	46.6058N	91.5542W	341	From 2011-08-29 to 2013-11-26
The Heights School	THS	South Australia,Australia	34.7417S	138.7733E	340	
Thein Dam	THN	Himachal Pradesh,India	32.4333N	75.7167E		
The King's School, Parramatta	AUTKS	New South Wales,Australia	33.7800S	151.0300E	95	From 2013-02-27
The Old Anderson's Place, Rush Valley	O15A	Utah,U.S.A.	40.2807N	112.4694W	1611	From 2007-06-28 to 2009-04-08
The Paps	APZ	Stewart Island,New Zealand	46.8318S	167.9889E	601	From 2006-05-07
The Peters Seismological Observatory	TPSO	South Australia,Australia	35.5000S	138.5000E	88	From 2014-02-01
The Promontory	YTP	Wyoming,U.S.A.	44.3918N	110.2850W	2384	
Thera Island	THR1	Greece	36.3705N	25.4593E	550	From 2004-02-01
Therma, N040	N040M	Greece	40.8945N	23.5512E	115	
Thermopolis	TL-WY	Wyoming,U.S.A.	43.3917N	108.0881W	1615	
The Sanctuary of Apollo Hylates	APOL	Cyprus	34.6710N	32.8630E	150	
Thessaloniki	SEIS	Greece	40.6322N	22.9650E	70	From 2011-01-01
Thessaloniki	THE	Greece	40.6322N	22.9650E	70	From 1981-01-01
Thessaloniki	MMAA	Montenegro	40.6309N	22.9437E	0	
Thessaloniki Airport	AMK1	Greece	40.5129N	22.9892E	10	From 2009-01-31
Thessaloniki CITY Hotel	THE6	Greece	40.6339N	22.9401E	15	From 2008-09-30
Thessaloniki EKO Refinery	TEK1	Greece	40.6832N	22.8907E	62	From 2008-09-30
Thessaloniki Library	LIB1	Greece	40.6299N	22.9518E	22	From 2008-09-30
Thessaloniki Prefecture	PRF1	Greece	40.5927N	22.9556E	-22	From 2011-10-01
Thessaloniki Prefecture D.H.	PRF0	Greece	40.5927N	22.9556E	28	From 2012-08-01
Thessaloniki sewage pipe	THE7	Greece	40.6376N	22.9493E	70	From 2008-09-30
Thessaloniki S.S. Downhole	STA0	Greece	40.6317N	22.9628E	83	From 2012-04-01
Thessaloniki S.S. Downhole	STA1	Greece	40.6317N	22.9628E	53	From 2012-04-01
They Montfort	THEF	Lorraine,France	48.2268N	5.9863E	469	
Thimphu	DOCH	Bhutan	27.4922N	89.6435E	3093	
Thira	THRA	Greece	36.4150N	25.4324E	220	
Thira Island, Akrotiri	THR6	Greece	36.3562N	25.3975E	119	From 2004-02-01
Thira Island, Kera	THR5	Greece	36.4172N	25.3479E	180	From 2004-02-01
Thira Island, Nea Kammeni	THR3	Greece	36.4091N	25.4008E	71	From 2004-02-01
Thira Island, Oia	THR4	Greece	36.4600N	25.3974E	220	From 2004-02-01 to 2009-09-01
Thira island, Vourvoulos	THR2	Greece	36.4468N	25.4353E	220	From 2008-05-31
Thirsty	NT13	Nevada,U.S.A.	37.1570N	116.6670W	1628	
Thirsty Canyon	TCNV	Nevada,U.S.A.	37.1416N	116.7214W	1471	From 1984-11-02 to 2002-12-10
THIVAI	THV2	Greece	38.3162N	23.3198E	180	From 2013-07-15
Thoir-sur-Dinan - 72356 - Sarthe - Pays de la Loire - France	T8DE	Pays de la Loire	47.7494N	0.4568E	75	From 2016-08-30
Thompson	CTOM	Ohio,U.S.A.	41.6917N	81.1473W	387	
Thompson Farm, Foxworth	345A	Mississippi,U.S.A.	31.3080N	90.0309W	134	From 2011-03-17 to 2012-12-14
Thompson Grove	U27A	Texas,U.S.A.	36.4213N	102.8246W	1342	From 2009-04-15 to 2010-11-09
Thompson Ridge	KTRM	California,U.S.A.	41.9087N	123.3760W	1378	
Thomson	TOMM	Victoria,Australia	37.8085S	146.3497E	932	
Thor	THO1	Pakistan	35.3820N	73.8560E	2082	From 2007-09-01
Thorn Acres	CTHA	Ohio,U.S.A.	41.5422N	81.1108W	362	
Thorn Hill	U52A	Tennessee,U.S.A.	36.3929N	83.3671W	510	From 2012-05-29
Thornton Park	SATS	California,U.S.A.	33.7078N	117.8910W	-370	From 1987-02-01
Thorofare Mountain	TRF	Alaska,U.S.A.	63.4502N	150.2893W	1711	From 2003-06-06
Thorvaldshraun	THOR	Iceland	64.9337N	16.6756W	691	From 2014-09-25
Three Chop Ridge	GTC	California,U.S.A.	39.3994N	123.5553W	369	
Three Creek Meadows	TCO	Oregon,U.S.A.	44.1075N	121.6000W	1975	From 1987-08-27
Three Creeks Reservoir	TCRU	Utah,U.S.A.	38.6095N	112.4472W	2293	From 2009-11-17
Three Lakes	F41A	Wisconsin,U.S.A.	45.7387N	89.1046W	509	From 2011-09-02 to 2013-06-10
Three Point Mountain	TID	Idaho,U.S.A.	43.5000N	115.9330W		
Three Points, Tucson	216A	Arizona,U.S.A.	32.0022N	111.4574W	908	From 2007-03-02 to 2008-12-09
Three Sisters	THRC	California,U.S.A.	34.5532N	117.7183W	1025	
Three Sisters--Wife	WIFE	Oregon,U.S.A.	44.0597N	121.8175W	1955	
Thule	TE-GL	Greenland	76.4972N	68.6056W	213	From 1965-10-12 to 1965-11-15
Thule	THULE	Greenland	76.5567N	68.6750W	275	
Thule	TULEG	Greenland	76.5374N	68.8237W	38	
Thule	THU	Greenland	76.4167N	68.3000W	485	
Thule	TE-	Greenland	76.4972N	68.6056W	213	From 1965-10-12 to 1965-11-15
Thumling	A014A	Austria	48.3483N	15.1619E	773	From 2015-06-26
Thunder Bay	TBO	Ontario,Canada	48.6473N	89.4083W	468	From 1987-01-23
Thunder Mountain BC	THMB	British Columbia,Canada	52.5489N	124.1323W	1126	From 2006-08-27
Thunduwike	VWZMW	Malawi	11.1753S	33.5744E	1128	From 2012-01-17
Thun, Kantonsschule BE	STHK	Switzerland	46.7437N	7.6295E	559	From 2015-04-20
Thringer Wald Luisenthal	THWA	Thuringen,Germany	50.7627N	10.6771E	692	From 2014-10-06
Tianjin	TIE	Hebei,China	39.1333N	117.2670E	20	
Tian-Shan	TNSS	Kazakhstan	43.0370N	76.9470E	3480	From 1984-09-01
Tianshui	TNH	Gansu,China	34.5783N	105.7520E		
Tiarei	TIAR	Society Islands,French Polynesia	17.5578S	149.3458W	300	
Tiaret	ETRT	Algeria	35.3900N	1.3000E	1221	
Tibas	TIBA	Costa Rica,Costa Rica	9.9620N	84.0720W	1221	
Tibati, CM21	ACM21	Cameroon	6.4670N	12.6200E	711	
Tiberkul'	TBRR	Krasnoyarskiy Kray,Russia	53.8832N	93.7438E	400	From 2004-06-08
Ticaya	BATO	Bolivia	19.6254S	65.4374W	3353	From 1994-12-03 to 1995-08-08
Ticuantepe	TICN	Nicaragua	12.0335N	86.2317W	400	
Tiefenfucha	A008A	Austria	48.3687N	15.6522E	242	From 2015-03-23
Tiendilla	TLLA	Costa Rica	10.0045N	83.7737W	2677	
Tien Yen	TIYB	Vietnam	21.3348N	107.3893E	37	From 2006-01-01
Tierras Morenas	AR3	Costa Rica	10.5869N	85.0350W	760	
Tifton	TIGA	Georgia,U.S.A.	31.4389N	83.5898W	109	From 2008-12-06
Tigil	TIGL	Kamchatskaya Oblast',Russia	57.7640N	158.6700E	140	From 2012-08-09
Tignall	Y54A	Georgia,U.S.A.	33.8621N	82.6880W	176	From 2012-04-10
Tignere, CM27	ACM27	Cameroon	7.3590N	12.6670E	1025	
Tignish, PEI	TIGG	Prince Edward Island,Canada	47.0015N	63.0091W	8	From 2005-09-29 to 2007-11-05
Tigo	BI03	Bio-Bio	36.8437S	73.0257W	196	From 2013-06-13
Tigre	TIG	Costa Rica	9.0367N	83.2960W	690	From 1989-01-01
Tigyukauivet Mountain	O14K	Alaska,U.S.A.	59.2533N	161.2638W	129	From 2017-05-17
Tihany	TIH	Hungary	46.9000N	17.8930E	187	From 1987-01-01 to 1988-12-31
Tijuana	AGUTJ	Baja California	32.4758N	117.0058W	229	From 2013-10-24
Tijuana	CNATJ	Baja California	32.4470N	116.9090W	135	
Tijuana	TJIG	Mexico	32.4335N	116.6747W	331	From 2010-10-30
Tijuana	PIPTJ	Baja California	32.4985N	116.8890W	160	
Tijuana	TJX	Baja California	32.5099N	117.0540W	217	From 2014-06-10
Tijuco Alta	RSTA	Parana,Brazil	24.6508S	49.0327W	248	From 1992-01-01
Tikjda	ATKJ	Algeria,Algeria	36.4430N	4.1210E	1434	
Tiksi	TIK	Sakha,Russia	71.6333N	128.8667E	41	
Tiksi	TIXI	Sakha,Russia	71.6490N	128.8665E	50	
Tilbrook Grange	KTG1	England,United Kingdom	52.3264N	0.4019W	83	From 1988-01-01
Tilden	834A	Texas,U.S.A.	28.1251N	98.5519W	151	From 2009-12-21 to 2011-10-10
Tilichiki	TILR	Kamchatskaya Oblast',Russia	60.4310N	166.0560E	40	From 2005-05-02
Tilichiki	TIL	Kamchatskaya Oblast',Russia	60.4330N	166.0570E	40	
Tilichiki	TILK	Kamchatskaya Oblast',Russia	60.4460N	166.1450E	25	From 2008-12-04
Tillmans-Whites Bay	TWB	South Carolina,U.S.A.	33.1147N	80.1030W	9	From 1988-03-01
Tillsonburg	K52A	Ontario,Canada	42.7805N	80.7139W	232	From 2012-12-06

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Timaru	TMZ	South Island,New Zealand	44.3832S	171.0062E	454	From 2014-05-16
Timbaki Heraklio	TMBK	Crete,Greece	35.0722N	24.7660E	17	From 2006-03-01
Timber Creek	M16K	Alaska,U.S.A.	61.0224N	158.9593W	394	From 2017-05-12
Timbered Crater	LTIM	California,U.S.A.	41.1761N	121.4888W	1156	
Timberline	TIMB	Oregon,U.S.A.	45.3356N	121.7101W	1901	From 2006-09-29
Timber Mountain	TMBR	Nevada,U.S.A.	37.0354N	116.3853W	1788	From 1982-02-19 to 2002-10-10
Timber Mountain	TMN	Nevada,U.S.A.	37.0836N	116.4440W	2190	From 1975-10-01
Timber West Blakeney	TWBB	British Columbia,Canada	48.5846N	124.0920W	122	
Timber West Granite	TWGB	British Columbia,Canada	48.6076N	124.2559W	127	
Timber West Koksilah	TWKB	British Columbia,Canada	48.6449N	123.7332W	128	
Timber West San Juan	TSJB	British Columbia,Canada	48.6013N	123.9885W	378	
Timgad	CTGD	Algeria,Algeria	35.5320N	6.5330E	1073	
Timisoara	TIM	Romania	45.7366N	21.2208E	88	From 1943-01-01
Timmins Ontario	TIMO	Ontario,Canada	48.4659N	81.3032W	392	From 2005-07-25
Timmit	TISM	Morocco	31.7210N	6.4400W	0	
Timpagrande	TIP	Italy	39.1786N	16.7583E	815	
Timpanogos Cave	TCVU	Utah,U.S.A.	40.4436N	111.7052W	1730	From 2012-09-13
Tinajo	CBLAA	Canary Islands	29.0338N	13.7033W	270	From 2018-08-03
Tinajo, Isla de Lanzarote	CTIM	Canary Islands	28.9985N	13.7499W	365	From 2019-11-26
Tinaroo	TINA	Queensland,Australia	17.1761S	145.5304E	767	
Tin City	TNA	Alaska,U.S.A.	65.5606N	167.9239W	74	From 1976-08-01
Tin City	TCY	Alaska,U.S.A.	65.5663N	167.9558W	72	
Tinemaha, Big Pine	TIN	California,U.S.A.	37.0542N	118.2301W	1197	From 1929-09-04
Tinghir	MTNG	Morocco	31.4160N	5.5560W	550	From 1993-04-10
Tingoa Renbel	NGOA	Solomon Islands	11.5547S	160.0624E	40	From 2018-10-30
Tingri, Xizang Zizhiqu	DINX	Xizang Zizhiqu,China	28.6647N	87.1157E	4374	From 2001-09-26 to 2002-11-06
Tinkers Knob	TNK	California,U.S.A.	39.2675N	120.2360W	2438	From 1973-04-01
Tin Mountain	TMO	California,U.S.A.	36.8048N	117.4035W	2170	From 1978-11-28
Tino	MZ104	Italy	42.7125N	13.2532E	838	From 2016-10-12 to 2016-10-31
Tinogasta	TINO	Catamarca	28.0630S	67.5690W	1200	From 2014-09-26
Tinos	TNSA	Greece	37.5395N	25.1631E	16	From 2010-06-18
Tintock	TIWZ	North Island,New Zealand	40.7760S	175.8857E	559	From 2006-03-07
Tiouine	TIO	Morocco	30.9267N	7.2617W	1335	From 1969-01-01
Tipaza	ATPZ	Algeria	36.5300N	2.3100E	156	
Tipaza	ATIP	Algeria	36.8833N	2.5000E	0	
Tippipah	TP-	Nevada,U.S.A.	37.2003N	116.2260W	2256	From 1961-12-06 to 1961-12-16
Tippipah	TP-NV	Nevada,U.S.A.	37.2003N	116.2261W	2256	
Tiptonville	DY3	Tennessee,U.S.A.	36.4430N	89.5069W	87	From 1969-01-01 to 1972-12-31
Tiptonville	TIPT	Tennessee,U.S.A.	36.4238N	89.4861W	88	
Tiputa	TPT	Tuamotu,French Polynesia	14.9844S	147.6200W	3	
Tirane	TIR	Albania	41.3477N	19.8650E	247	From 1968-09-01
Tirgoviste	TRGR	Romania	44.9361N	25.4563E	303	From 2019-03-29
Tirgusor	TIRR	Romania	44.4581N	28.4128E	77	
Tisan-Mersin	TISA	Turkey	36.1620N	33.6788E	94	From 2013-04-18
Tishomingo	TO-OK	Oklahoma,U.S.A.	34.3564N	96.5681W	259	From 1961-11-20 to 1962-06-09
Tishomingo	TO-	Oklahoma,U.S.A.	34.3564N	96.5681W	259	From 1961-11-20 to 1962-06-09
Tissa	TIS	Morocco	31.8920N	6.5540W	1687	
Tissa	TSSA	India	32.8366N	76.1503E	1781	From 2018-05-27
Tito	TITE	Italy	40.5546N	15.6926E	660	
Tiverton	M64A	Rhode Island,U.S.A.	41.5509N	71.2102W	17	From 2013-09-12
Tivives	TIV	Costa Rica	9.8822N	84.7050W	70	From 2002-04-11 to 2002-10-01
Tivoli	LTTV	Italy	41.9525N	12.8054E	253	From 2011-04-26
Tizayuca	VTVM	Mexico D.F.,Mexico	19.7702N	98.7745W	2450	From 2009-01-01
Tizi Ouasli	M007	Morocco	34.7562N	3.8010W	1345	
Tjoern	TJOU	Sweden	58.0320N	11.6250E	40	From 2006-10-24
Tkibuli	TKI	Georgia,Georgia	42.3500N	43.0000E	320	
Tkibuli	TKB	Georgia,Georgia	42.3509N	42.9943E	603	From 1970-01-01
tl_alroos	ROOS	Syria	34.1694N	37.2891E	843	From 2004-01-01
Tlapa	TPG	Guerrero,Mexico	17.5607N	98.5555W	1100	
Tlapa	TLIG	Guerrero,Mexico	17.5627N	98.5665W	1136	
Tlapan	AOVM	Mexico D.F.	19.2675N	99.3218W	3752	
Tlapaneco	HMTT	Guerrero,Mexico	17.7983N	98.5597W	902	From 2009-02-16
Tlaxcala 2	TLX2	Mexico	32.4400N	115.1667W	9	
Tlaxcala, TLX	CTLX	Mexico	32.4732N	115.1452W	14	
Tlaxiaco	TXO	Oaxaca,Mexico	17.2817N	97.6817W	2025	
Tlaxiaco	TXIG	Oaxaca	17.2532N	97.7677W	2309	From 2012-09-03
Tlemcen	OTLM	Algeria	34.8800N	1.3500W	801	
Tlemcen	TEC	Algeria	34.8500N	1.2833W		
Tlhalogang	BROLN	Botswana	21.0997S	27.3342E	1047	
TLI	TLIN	Nepal	29.8060N	80.6160E	708	
T-Link Ranch, Clifton	Z19A	Arizona,U.S.A.	33.2921N	109.2657W	1397	From 2007-04-03 to 2009-01-17
TMO PEDROTE	TIOV	Venezuela	10.4385N	66.4146W	830	From 2005-11-01
Tnine Tigouga, Taroudante	TTIG	Morocco	30.5470N	8.4410W	1200	
Tnine Yamani	TSY	Morocco	35.3728N	5.9700W		
Toad River Community Hall	TOAD	British Columbia	58.8499N	125.2333W	690	From 2016-06-13
TOALLA CHICA	EC19	Ecuador	1.0692S	80.6680W	203	From 2016-05-16
Toaza	TOAZ	Ecuador	0.1790S	78.6155W	4200	
Toaza - Volcan Guagua Pichincha	GGPT	Ecuador	0.2241S	78.6201W	3104	From 2012-08-30
Tobago	TOB	Trinidad and Tobago	11.1410N	60.8410W	15	From 1977-05-01 to 1999-08-25
Tobarra	ETOB	Spain	38.6447N	1.5478W	855	
Tobermory, Bruce Peninsula National Park	TOBO	Ontario,Canada	45.2257N	81.5234W	169	From 2009-05-21
Tobishima	TBS	Akita,Japan	39.1920N	139.5560E	45	
Tobi-shima	TOBT	Akita,Japan	39.1900N	139.5500E	20	
Tobi-shima	JTB	Yamagata,Japan	39.1953N	139.5573E	50	
Tobruq	LTBQ	Libya	32.0557N	23.9210E	139	
Tocklai	TOC	Assam,India	26.7500N	94.7667E	87	
Toconce	TCN	Antofagasta,Chile	22.2750S	68.1717W	3300	
Tocopilla	TOCH	Antofagasta,Chile	22.0935S	70.2007W	45	From 2007-11-23
Tocopilla	TPL	Antofagasta,Chile	22.0978S	70.2094W	40	
Tocopilla	TCP	Antofagasta,Chile	22.1231S	70.2106W	10	
Tocota	PP05	Peru	15.6555S	74.0865W	1005	
Todenfeld	TDN	Nordrhein-Westfalen,Germany	50.5748N	6.9446E	350	From 1996-11-01
Todoroki	TDR	Wakayama,Japan	34.1597N	135.3070E	50	
Todzha	TDJR	Tyva,Russia	52.4000N	96.1000E	1000	
Tofino	TOFB	British Columbia,Canada	49.1543N	125.9078W	13	From 2009-02-14
Togane	TOG	Chiba,Japan	35.5500N	140.3670E	9	
Tokachihiroo	JTHR	Hokkaido,Japan	42.2913N	143.2988E	54	From 2012-07-01
Tokai 1	TK01	Shizuoka,Japan	33.7650N	137.5900E	-2202	From 1979-09-01
Tokai 2	TK02	Shizuoka,Japan	33.9467N	137.7570E	-1542	From 1979-09-01
Tokai 3	TK03	Shizuoka,Japan	34.1650N	137.9650E	-817	From 1979-09-01
Tokai 4	TK04	Shizuoka,Japan	34.3850N	137.8750E	-722	From 1979-09-01
Tokat	TOKA	Turkey	40.3232N	36.4783E	679	From 2007-12-10
Tokat	TOKT	Turkey	40.3203N	36.5448E	726	From 1996-01-30
Tokmak	TKMK	Kazakhstan	42.8601N	75.3184E	960	
Tokmak	TTK	Turkey	39.7650N	28.0450E	430	From 1983-06-01 to 1987-01-31
Tokmak	BTOK	Turkey	39.7617N	28.0311E	407	From 2003-10-20
Tokmak 2	TKM2	Kazakhstan	42.9208N	75.5966E	2020	
Tok Microwave	TMW	Alaska,U.S.A.	63.3245N	142.9970W	495	From 1986-01-01
Tok Station 1	TOK1	Amurskaya Oblast',Russia	55.6965N	129.9770E	1419	
Tok Station 2	TOK2	Amurskaya Oblast',Russia	55.6016N	130.1575E	1419	
Tok Station 3	TOK3	Amurskaya Oblast',Russia	55.6733N	130.2541E	1203	
Tok Station 4	TOK4	Amurskaya Oblast',Russia	55.7420N	130.3360E	1400	
Toktogul	TOKL	Kyrgyzstan	41.9400N	72.8700E	1097	From 2009-11-27
Tokunoshima	JTK	Ryukyu Islands,Japan	27.7857N	128.9505E	170	
Tokushima	TKS	Tokushima,Japan	34.0650N	134.5770E	2	
Tokushima 2	TKSJ	Tokushima,Japan	33.9833N	134.0480E	180	
Tokuyama	TKJD	Gifu,Japan	35.6919N	136.4777E	400	
Tokyo	TOK	Tokyo,Japan	35.6867N	139.7583E	-285	
Tolbacick	TLBS	Kamchatskaya Oblast',Russia	55.7530N	160.4200E	1000	From 1975-07-05 to 1978-09-08
Toledo	NE17	Spain	39.8814N	4.0486W	480	From 1933-01-01 to 1992-10-31
Toledo	H02A	Oregon,U.S.A.	44.6764N	123.9997W	209	From 2005-11-15 to 2008-01-23
Toledo	TOL	Spain	39.8814N	4.0486W	480	From 1933-01-01 to 1992-10-31
Toledo BPA CREST BB SMO	TOLO	Oregon,U.S.A.	44.6219N	123.9225W	21	From 2001-10-23
Toledo HGLP	TLO	Spain	39.8600N	4.0147W	465	From 1971-08-01 to 1978-09-17
Tolfa	TOLF	Italy	42.0641N	12.0002E	371	From 2002-10-01
Tolfa - RM	TO04	Italy	42.2044N	11.9393E	227	From 2008-04-11 to 2009-04-02
Tolfa - RM	TO01	Italy	42.1351N	11.9672E	203	From 2008-04-28 to 2009-04-02
Tolicha Peak	TPK	Nevada,U.S.A.	37.2686N	116.8040W	2080	From 1979-06-11 to 1982-12-31
Tolicha Peak	TI-NV	Nevada,U.S.A.	37.2853N	116.8669W	1524	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Tolima	TOLC	Colombia	4.5853N	75.3203W	2577	From 1994-01-01
Tolitoli	TOLI2	Sulawesi,Indonesia	1.1112N	120.7817E	50	From 2012-07-21
Toli-Toli	TOLI	Sulawesi,Indonesia	1.1214N	120.7944E	86	From 2008-07-01 to 2012-07-11
Tolkaevka	TLKV	Orenburgskaya Oblast'	52.5540N	53.2799E	154	From 2014-07-02
Tolley Road	TLZ	North Island,New Zealand	38.3294S	175.5380E	601	From 2009-05-07
Tollhouse, CA USA	TOLH	California	36.9501N	119.4415W	390	From 2019-11-01
Tolmezzo	TLM	Italy	46.4014N	13.0144E	322	
Tololo Astronomical Observatory	TLL	Coquimbo,Chile	30.1672S	70.8045W	2200	From 1970-01-01
Tololo Observatory, Vicun@16a	GO04	Coquimbo,Chile	30.1727S	70.7993W	2116	
Tolsona	TOA	Alaska,U.S.A.	62.1048N	146.1720W	909	From 1971-09-15 to 2004-08-19
Tolsona, Glennallen	M24K	Alaska,U.S.A.	62.1067N	146.1750W	908	From 2014-08-02
Tolsta	RTO	Scotland,United Kingdom	58.3778N	6.2092W	74	From 1995-09-10
Toltan Ranch, Big Piney	K18A	Wyoming,U.S.A.	42.6372N	110.0417W	2129	From 2007-11-06 to 2009-05-15
Tolt Reservoir	C05A	Washington,U.S.A.	47.6947N	121.6895W	541	From 2005-11-29 to 2008-02-21
Tolt Reservoir	TTW	Washington,U.S.A.	47.6944N	121.6901W	542	
TOLUCA	TOVM	Mexico State,Mexico	19.2828N	99.6777W	2727	From 2009-06-16
Tomahawk	TM-	Wisconsin,U.S.A.	45.4919N	89.5031W	488	
Tomahawk	TM-WS	Wisconsin,U.S.A.	45.4919N	89.5031W	488	
Tomahawk Gully	TMP	South Island,New Zealand	44.3133S	170.1201E	720	From 1975-06-18 to 1997-04-30
Tomakomai	TMR	Iburi,Japan	42.6333N	141.5830E	8	
Tomales Bay	NTBM	California,U.S.A.	38.2478N	122.9310W	128	
Tomamai	TOI	Rumoi,Japan	44.2212N	141.6837E	40	
Tomar	PTOM	Portugal	39.6180N	8.4107W	210	
Tomatlan	TOMAT	Jalisco	19.9552N	105.2398W	97	
Tom Butte, Newberry	TMBU	Oregon,U.S.A.	43.6019N	121.1445W	1743	From 2011-11-16
Tom, Dick, Harry Mountain	TDH	Oregon,U.S.A.	45.2898N	121.7900W	1541	From 1982-09-01
Tom-Au,PA,Brazil	TMAB	Para	2.3704S	48.0957W	26	From 2014-08-09
Tomie	TOM	Nagasaki,Japan	32.6083N	128.7650E	28	
Tonala	TON2	Jalisco	20.6245N	103.2357W	1660	
Tonalea, Kykotsmovi	V17A	Arizona,U.S.A.	35.6218N	110.7938W	1596	From 2008-02-14 to 2009-02-06
TONANKAI O.B.S1	TTO1	Japan	33.6222N	136.7847E	-2068	From 2008-10-01
TONANKAI O.B.S2	TTO2	Japan	33.7347N	137.0272E	-2100	From 2008-10-01
TONANKAI O.B.S3	TTO3	Japan	33.8630N	137.3977E	-1000	From 2008-10-01
TONANKAI O.B.S4	TTO4	Japan	34.0080N	137.5382E	-1836	From 2008-10-01
TONANKAI O.B.S5	TTO5	Japan	34.2522N	137.7163E	-1019	From 2008-10-01
Tonantzintla	IIT	Puebla,Mexico	19.0210N	98.3080W	2205	
Tonasket	TK-	Washington,U.S.A.	48.7939N	119.5878W	549	From 1963-08-21 to 1964-05-17
Tonasket	TK-WA	Washington,U.S.A.	48.7939N	119.5878W	549	From 1963-08-21 to 1964-05-17
T'onet'i	TNTG	Georgia,Georgia	41.6600N	44.4100E	120	
Tongareva I.	TG-	Cook Islands	9.0600S	158.0356W	3	From 1962-04-30 to 1962-11-04
Tongareva Island	TG-IS	Cook Islands	9.0600S	158.0356W	3	From 1962-04-30 to 1962-11-04
Tongariro	TON	North Island,New Zealand	39.2010S	175.5382E	1120	From 1945-10-01 to 1966-04-23
Tongatapu	TNGT	Tonga	21.1500S	175.1830W	10	
Tongmen	ETM	Taiwan region	23.9655N	121.4928E	190	From 2015-05-12
Tongo	TGO	Democratic Republic of the Congo	1.2081S	29.2733E	1415	From 2014-09-09
Tongue	OTO	Scotland,United Kingdom	58.4953N	4.3940W	338	From 1995-09-21
TONGYEONG	KSTOY	Republic of Korea	34.8454N	128.4356E	32	From 2006-12-30
Tonnelnyy	TNL	Buryatiya,Russia	56.2890N	113.3540E	820	
Tonnes	NBB40	Norway	66.5130N	13.0097E	15	From 2013-08-01 to 2016-06-01
Tonopah	TPV	Nevada,U.S.A.	38.0658N	117.2280W	1890	From 1965-01-01 to 1970-12-31
Tonopah	R09A	Nevada,U.S.A.	38.2397N	117.0718W	1759	From 2006-06-10 to 2008-03-22
Tonopah	TNP	Nevada,U.S.A.	38.0820N	117.2180W	1932	From 1963-10-11
Tonopah	TPH	Nevada,U.S.A.	38.0750N	117.2225W	1883	From 1961-09-01
Tonopah Range, Tonopah	S10A	Nevada,U.S.A.	37.9230N	116.5948W	1796	From 2007-01-22 to 2008-09-12
Tonosi	TOSI3	Panama	7.4077N	80.4408W	29	
Tonto Forest Array	TFO	Arizona,U.S.A.	34.2678N	111.2700W	1492	From 1963-01-01 to 1975-03-31
Tonto Hills Observatory	THO	Arizona,U.S.A.	33.8753N	111.8740W	1134	From 1973-02-04 to 1974-07-31
Tony Mavity, Velonia	W41A	Arkansas,U.S.A.	35.1736N	92.2478W	95	From 2011-04-06 to 2011-08-06
Toogoolawah	WTGQ	Queensland,Australia	27.1458S	152.3330E	130	From 1977-03-18
Toolangi	TOO	Victoria,Australia	37.5714S	145.4910E	604	From 1962-01-01
Toolik Lake Research Station	TOLK	Alaska,U.S.A.	68.6408N	149.5724W	760	From 2011-08-13
Tooma soojaam, Jogeva	EE03	Estonia	58.8728N	26.2728E	89	From 2015-05-26
Toone Canyon	TCUT	Utah,U.S.A.	41.1178N	111.4085W	2320	From 1989-08-01
Toowoomba	WOOM	Queensland,Australia	27.5441S	151.9720E	759	
Toowoomba 1 Hard	TW1H	Queensland,Australia	27.5442S	151.9720E	730	From 2009-01-01
Toowoomba State High School	AUTOO	Queensland,Australia	27.5500S	151.9700E	687	From 2013-08-11
Topalu	TLBR	Romania	44.5445N	28.0467E	115	From 2014-04-08
Topalu	TLB	Romania	44.5858N	28.0420E	60	
Tophouse	THZ	South Island,New Zealand	41.7625S	172.9052E	747	From 1989-12-02
Topkok	TKK	Alaska,U.S.A.	64.5558N	163.9970W	122	
Topo	TOPO	Azores,Portugal	38.5910N	27.9190W	645	
Topolobambo	TSIG	Sinaloa	25.6000N	109.0400W	5	From 2010-11-10
Topolobampo	TPB	Sinaloa,Mexico	25.5967N	109.0530W	25	
Topolog	TPGR	Romania	44.8565N	28.4196E	449	From 2014-10-16
Topolog	TOPG	Romania	44.8764N	28.3782E	218	From 2013-10-23
Topolovo	TOP	Kamchatskaya Oblast',Russia	53.2300N	158.0410E	200	
Topopah Spring	TPNV	Nevada,U.S.A.	36.9488N	116.2495W	1600	From 1992-06-15
Topo S. Jorge	PTOPO	Azores	38.5493N	27.7551W	42	From 2015-05-19
Toppenish Ridge	TRW	Washington,U.S.A.	46.2921N	120.5431W	723	From 1994-10-14
Toppenish Ridge	TR-WA	Washington,U.S.A.	46.2633N	120.5167W		
Toppo Di Castelgrande (Osservatorio Astronomico)	CSG3	Italy	40.8181N	15.4633E	1253	
Toppo, Italy	TOPPO	Italy	46.1987N	12.8170E	258	From 2009-03-25
Tor 1	TR1	Egypt	28.0068N	33.9521E	277	
Tor 2	TR2	Egypt	28.3853N	33.7227E	240	
Torbat-e-JAM	TBJM	Iran	35.2679N	60.3292E	1740	From 2015-09-17
Torbat heydarieh	TBHD	Iran	35.4133N	59.2361E	1759	From 2015-11-18
T or C	TC-	New Mexico,U.S.A.	33.1842N	107.4617W	1524	From 1961-12-20 to 1962-05-03
Torcal de Antequera, Malaga	E013	Spain	36.9641N	4.5340W	1221	From 2007-10-05 to 2009-06-23
Tordecillas	TORR	Spain	36.9723N	4.0743W	1321	
Torete	ETOR	Spain	40.8194N	2.0552W	1018	From 1988-03-01
Toribari	TORI	Manipur,India	25.0857N	93.5742E	40	From 2012-01-01
Torino	TNO	Italy	45.0588N	7.6969E	260	From 1971-05-06
Tori shima	TOR	Bonin Islands,Japan	30.4817N	140.3050E	82	
TORKOZ	MTOR	Morocco	28.4948N	9.8487W	316	From 2010-01-01
Tornio	TOF	Finland	66.0799N	24.3246E	50	From 2011-01-27
Tornquist	TRQA	Argentina	38.0567S	61.9795W	501	
Torny/Romont	TORNY	Switzerland	46.7737N	6.9586E	758	From 2000-01-25
Toro	NTORO	Nigeria	10.0551N	9.1181E	882	
Toro Cenizo, Nagua	LONA1	Dominican Republic	19.3801N	69.8649W	51	From 2015-11-24
Torococo	TORV	Venezuela	9.5600N	70.2300W	1250	
Torodi Ar. Beam	TORD	Niger	13.1477N	1.6947E	214	
Torodi Ar. Site	TOC1	Niger	13.1721N	1.7017E	233	
Torodi Ar. Site	TOC7	Niger	13.1638N	1.6787E	224	
Torodi Ar. Site	TOC6	Niger	13.1483N	1.6655E	225	
Torodi Ar. Site	TOC5	Niger	13.1282N	1.6751E	231	
Torodi Ar. Site	TOC4	Niger	13.1216N	1.6994E	231	
Torodi Ar. Site	TOC3	Niger	13.1370N	1.7205E	214	
Torodi Ar. Site	TOC2	Niger	13.1568N	1.7204E	221	
Torodi Ar. Site	TOB5	Niger	13.1536N	1.6806E	218	
Torodi Ar. Site	TOB4	Niger	13.1386N	1.6838E	226	
Torodi Ar. Site	TOB3	Niger	13.1376N	1.7042E	215	
Torodi Ar. Site	TOB2	Niger	13.1532N	1.7071E	216	
Torodi Ar. Site	TOB1	Niger	13.1613N	1.6934E	231	
Torodi Ar. Site	TOA3	Niger	13.1422N	1.6933E	216	
Torodi Ar. Site	TOA2	Niger	13.1477N	1.7004E	216	
Torodi Ar. Site	TOA1	Niger	13.1529N	1.6919E	220	
Torodi Ar. Site	TOA0	Niger	13.1477N	1.6947E	214	
Toronto	TNT	Ontario,Canada	43.6667N	79.4000W	111	From 1897-01-01 to 1942-12-31
Toronto--Leslie Street Spit	TORO	Ontario,Canada	43.6136N	79.3433W	80	From 2004-05-04
Torosgyugh	TORS	Armenia	40.9350N	43.8733E	1910	
ToroToro	SOET	Bolivia	18.1155S	65.8113W	2848	From 2016-09-15
Torpederas	VA01	Valparaso,Chile	33.0229S	71.6474W	37	From 2013-09-03
TORRECUSO	TOR05	Italia	41.1898N	14.6800E	450	From 2016-06-11
Torre del Filo	ETFI	Sicily,Italy	37.7391N	14.9969E	2992	From 1994-10-01
Torre dell'Olmo (Gubbio) - PG	AT10	Italy	43.3196N	12.6942E	571	From 2010-04-20
Torre Pacheco	EXTPC	Spain	37.7433N	0.9575W	44	
Torres, Weston	T24A	Colorado,U.S.A.	37.0738N	105.0521W	2510	From 2008-06-27 to 2009-08-13
Torrevieja	EXTO	Spain	37.9920N	0.6890W	25	
Torrevieja, Alicante	E035	Spain	37.9950N	0.9356W	302	From 2008-04-25 to 2009-10-07

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Torrita	MZ15	Italy	42.6175N	13.2200E	1083	From 2016-09-27 to 2016-10-26
Torrita	MZ16	Italy	42.6199N	13.2200E	1003	From 2016-09-27 to 2016-10-26
Torsby	TBY	Sweden	60.0790N	12.8300E	285	From 1978-01-01
Torshavn	FTO	Faeroe Islands	62.0199N	6.8274W		
Tortengo (Faido)	TONGO	Switzerland	46.4870N	8.7899E	864	From 2005-12-15
Torti	TOTI	Panama	8.9304N	78.3103W	106	From 2016-07-01
Tortola	TBVI	Virgin Islands	18.4167N	64.6167W	3	
Tortoreto Alta	TRTR	Italy	42.8081N	13.9138E	160	From 2006-11-15
Tortuguero	TRT1	Costa Rica	10.5973N	83.6995W	63	
Tortuguero	TRTC	Costa Rica	10.5753N	83.7135W	105	From 1996-01-01
Tory Channel	TCW	South Island,New Zealand	41.2103S	174.2764E	197	From 1977-03-28
Tosashimizu	JTO	Kochi,Japan	32.8597N	132.8022E	180	
Toshimahigashiyama	JTHY	Tokyo,Japan	34.5237N	139.2883E	147	From 2012-07-01
Tosontsengel	TSC	Mongolia	48.7700N	98.2500E	1450	
Tosya	TOS	Turkey	41.0360N	34.0230E	1046	
TOTAH	TOTH	Syria	33.3613N	36.4283E	696	From 2004-01-01
Toteng	TOT1	Botswana	20.3770S	22.9650E	940	From 2001-01-01 to 2100-12-31
Tottori	TOT	Tottori,Japan	35.4850N	134.2400E	18	
Tottori	TOTJ	Tottori,Japan	35.4783N	134.2720E	27	From 1979-01-01
Tottori	TTT	Tottori,Japan	35.5147N	134.2378E	10	
Touazithe	M010	Morocco	34.2062N	6.3353W	121	
Toucheng	NTC	Taiwan region	24.8544N	121.8297E	4	From 2008-10-20
Toulon	O07A	Nevada,U.S.A.	40.1614N	118.8772W	1203	From 2006-03-01 to 2008-03-19
Toulx Ste Croix	TCF	Limousin,France	46.2881N	2.2100E	593	
Toumodi	TIC	Ivory Coast	6.6447N	5.0200W	263	From 1967-06-01
Tounfite	TNF	Morocco	32.5300N	5.3190W	2250	From 1993-01-01
Tounfite	TFT	Morocco	32.0580N	5.2670W	0	
Touzarine	TOU	Morocco	34.9620N	3.7540W	1126	From 1993-01-01
Tovacov	A088A	Czech Republic	49.4303N	17.2911E	211	From 2015-09-24
Tovanakuss	ETV	New Britain,Papua New Guinea	4.2062S	151.6677E	30	
Tower One	TOW	California,U.S.A.	35.8090N	117.7640W	684	
Townsend	357A	Georgia,U.S.A.	31.4239N	81.4855W	7	From 2012-03-15
Townsend	TSTN	Tennessee,U.S.A.	35.6766N	83.7040W	341	
Townsville	TVL	Queensland,Australia	19.2617S	146.7680E	5	
Townsville Hard Rock	TV1H	Queensland,Australia	19.2614S	146.7954E	65	From 2009-01-01
Townsville Soft Rock	TV2S	Queensland,Australia	19.2904S	146.7890E	17	From 2012-08-02
Toxpalan	TOIG	Oaxaca	18.0957N	97.0646W	1030	From 2012-09-12
Toyama	TOY	Toyama,Japan	36.7067N	137.2050E	10	
Toyohashi	TYH	Aichi,Japan	34.7626N	137.4701E	76	
Toyohira	JHT	Hiroshima,Japan	34.6625N	132.4210E	470	
Toyone	TYNN	Aichi,Japan	35.1329N	137.6696E	650	
Toyo'oka	TYK	Hyogo,Japan	35.5333N	134.8250E	4	
Toyota	JTY	Yamaguchi,Japan	34.2627N	131.0645E	120	
Toytepa	TOYT	Uzbekistan	41.0269N	69.3629E	401	
Trabuc cave	TRBF	Languedoc-Rousillon,France	44.1054N	3.9587E	-142	From 2010-12-06
Trabzon	TBZ	Turkey	40.9944N	39.7761E	57	From 1976-07-10 to 1999-08-25
Trabzon	KTUT	Turkey	40.9870N	39.7667E	171	From 2006-08-17
Trabzon	MACK	Turkey	40.9432N	39.7686E	611	From 2005-08-06
Tracy	TY-MN	Minnesota,U.S.A.	44.3458N	95.5197W	351	
Tracy	TY-	Minnesota,U.S.A.	44.3458N	95.5197W	351	
Tradedollar Lake	TDL	Washington,U.S.A.	46.3508N	122.2160W	1400	
Trail	C33A	Minnesota,U.S.A.	47.7586N	95.7725W	388	From 2010-08-26 to 2012-09-11
Trail	TRH	Hawaii,U.S.A.	19.4152N	155.5490W	3207	
Trail Creek	YTC	Wyoming,U.S.A.	44.2965N	110.2320W	2360	
Trail Mountain	TMUT	Utah,U.S.A.	39.2965N	111.2082W	2733	
Tram Tau	TTVN	Vietnam	21.4720N	104.3570E	50	From 2003-01-01
Tramutola	MARCO	Italy	40.2972N	15.8063E	889	From 2018-06-28
Tran	TRAN	Bulgaria	42.8346N	22.6511E	700	
Trang	TRTT	Thailand	7.8362N	99.6912E	71	
Tranquillity	TQTN	Tennessee,U.S.A.	35.5160N	84.7258W	260	
Tranquitos	TSA	Salta,Argentina	22.3889S	63.7753W	425	
Trapeza	TRAZ	Greece	38.1685N	22.2121E	668	From 2010-09-27
Trapper Creek	TRAP	Alaska,U.S.A.	62.3350N	150.2440W	127	
Trask Mountain	TKO	Oregon,U.S.A.	45.3713N	123.4540W	1024	From 1991-08-20
Traveller	TRWZ	North Island,New Zealand	41.3980S	175.6879E	379	From 2005-06-22
Traversella	TRAV	Italy	45.5127N	7.7470E	990	From 1996-01-01
Travnik	TRA	Bosnia and Herzegovina	44.2167N	17.6833E		
Trebel	GORT1	Germany	52.9903N	11.3075E	-278	From 2009-11-11
Trebinje	TREB	Bosnia and Herzegovina	42.7170N	18.3500E	300	From 2004-06-29
Tree Lodge	TREE	Tanzania,United Republic of Tanzania	3.6698S	35.7467E	964	
Tregnago	TREG	Italy	45.5230N	11.1606E	342	From 2011-09-07
Treia	TRE1	Italy	43.3112N	13.3128E	330	From 2011-03-29
Trelew	TRWA	Chubut,Argentina	43.2652S	65.3773W	0	
Tremoli - CS	T0724	Italy	39.8488N	15.8765E	356	From 2012-10-27
Tremp	CTRM	Spain	42.1609N	0.8936E	440	From 2013-04-18
Tremp	CTRE	Spain	42.3242N	0.7736E	1318	From 2006-07-01
Trente	TRE	Italy	39.2833N	16.3167E	534	
Trento	TRTO	Italy	46.1245N	11.0992E	264	From 2019-02-20
Trento, Gardasee/Lago di Garda	LUSI	Italy	45.9595N	10.9436E	852	From 2012-09-19
Tres Cuevas	TTX	Texas,U.S.A.	29.3164N	103.7180W	1006	
Tres Isletas	TICA	Jujuy	26.3886S	60.3828W	101	From 2016-12-06 to 2099-12-12
Tres Palmas, SCA	SCAMX	Baja California	31.7713N	116.5067W	130	
Tres Palos	PALV	Venezuela	10.4489N	71.6299W	1	
Tres Piedras	TD-	New Mexico,U.S.A.	36.6556N	106.1717W	2926	From 1963-08-22 to 1963-11-26
Tres Piedras	TD-NM	New Mexico,U.S.A.	36.6556N	106.1717W	2926	From 1963-08-22 to 1963-11-26
Tres Rios	TRIO	Costa Rica,Costa Rica	9.9050N	83.9940W	1338	
Tres Rios	TRRB	Rio de Janeiro,Brazil	22.1541S	43.1955W	222	
Trest	TREC	Czech Republic	49.2948N	15.4871E	559	From 2005-07-12
Tretes	TRT	Jawa,Indonesia	7.7040S	112.6350E		
Trevaresse	TREF	Provence-Cote d'Azur,France	43.6242N	5.3838E	460	
Trevi	TREV	Italy	42.8768N	12.7444E	370	From 2011-10-01
Treviso	TRV	Italy	45.6667N	12.1833E	14	
Trewern Hill	HTR	Wales,United Kingdom	52.0790N	3.2697W	329	From 1982-01-01
Triada, N038	N038M	Greece	41.0791N	23.2186E	481	
Trialeti	TRLG	Georgia,Georgia	41.5392N	44.1018E	1600	From 2012-08-18
Triangle-X Ranch	TRXW	Wyoming,U.S.A.	43.7493N	110.5634W	2256	From 1986-01-01
Tribune	R28A	Kansas,U.S.A.	38.3423N	101.8106W	1108	From 2009-04-12 to 2011-03-18
Tricao	G09S	Maule	34.9803S	71.4403W	191	
Tricarico	BTRC	Italy	40.6180N	16.1414E	799	From 2010-03-19
Tricerro	A283B	Italy	45.2380N	8.2885E	195	From 2016-03-17
Tricerro	A283A	Italy	45.2296N	8.3208E	185	From 2015-09-17 to 2016-03-17
Trident Resrch Ctr	TRSC	South Carolina,U.S.A.	32.8718N	80.0336W	7	
Triemli, ZR	EWZT0	Switzerland	47.3670N	8.4964E	224	From 2009-10-10
Triesenberg, Werkhof, FL	STRW	Switzerland	47.1165N	9.5503E	1030	From 2014-10-15
Trieste	DST2	Italy	46.2450N	12.9240E	80	
Trieste	TTE	Italy	45.6460N	13.7620E	3	From 1989-01-01
Trieste	TRI	Italy	45.7089N	13.7642E	161	From 1963-07-29
Trieste (CM)	TRS	Italy	45.6428N	13.7539E	8	
Trifonti	TRIF	Italy	43.1148N	10.9026E	596	From 2010-05-17
Trigal station	BMAS	Ecuador	1.5028S	78.4793W	2953	From 2007-03-08
Trigance	TRIGF	Provence-Cote d'Azur,France	43.7472N	6.4075E	1050	From 2012-03-31
Trig B	TBC	South Island,New Zealand	45.1447S	169.3304E	619	From 1986-12-09 to 1996-05-01
Trig L	TLC	South Island,New Zealand	45.1897S	169.0714E	1393	From 1989-06-29 to 1996-04-27
Trikala	TRKA	Greece	39.5532N	21.7661E	118	
Trimble	LDRT	Tennessee	36.1878N	89.1663W	82	From 1989-10-18 to 1991-10-23
Trimble, BRGM	BRGN	Tennessee	36.2022N	89.1539W	81	From 1989-12-13
Trims Highway	THY	Alaska,U.S.A.	63.4167N	145.7520W	732	From 1986-01-01
Trindle Farm, Earlham	M37A	Iowa,U.S.A.	41.4028N	94.0575W	325	From 2010-10-28 to 2012-08-29
Trinidad	T25A	Colorado,U.S.A.	37.1388N	104.4108W	2017	From 2008-05-25
Trinidad (USA)	TDC	Colorado,U.S.A.	37.2536N	104.3350W	1750	From 1970-01-01 to 1972-11-30
Trinidad (USA)	TJC	Colorado,U.S.A.	37.2169N	104.6910W	2103	
Trinidad (W)	TRN	Trinidad and Tobago	10.6480N	61.4030W	24	From 1959-08-06
Trinity Center, CA	N02D	Oregon,U.S.A.	40.9740N	122.7050W	937	From 2009-11-05
Trinity Mountain	TYI	Idaho,U.S.A.	43.6000N	115.4520W	2613	
Trinity Point	TPOR	Oregon,U.S.A.	45.0244N	117.0860W	2000	From 1991-09-01
Triple J Farms, Joplin	A17A	Montana,U.S.A.	48.9448N	110.6994W	973	From 2007-11-17 to 2009-08-16
Tripoli	LTRP	Libya	32.8447N	13.1633E	83	
Tripoli	TRIP	Italy	37.5278N	22.2708E	820	From 2010-06-27
Tripolis, Arkadia	TRP1	Greece	37.5112N	22.3630E	704	From 2010-11-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Tripoli, TRI	TRISI	Greece	37.5077N	22.4532E	841	
Tripped Ranch	TPRS	California,U.S.A.	34.0888N	118.5870W	-1	From 1985-11-01
Tristan da Cunha	TRIS	Tristan da Cunha	37.0682S	12.3152W	55	
TRISTAN DA CUNHA ISLAND. INFRASONIC ARRAY REFERENCE POINT	I49GB	Tristan da Cunha	37.0900S	12.3319W	81	From 2005-03-24
TRISTAN DA CUNHA T-PHASE SITE N1	H09N1	Tristan da Cunha	37.0681S	12.3152W	0	From 2004-03-17
TRISTAN DA CUNHA T-PHASE SITE W1	H09W1	Tristan da Cunha	37.0972S	12.3350W	0	From 2004-03-17
Tristan de Cunha	TDC1	Tristan da Cunha	37.0716S	12.3096W		
Trivandrum	TRVM	Kerala,India	8.5080N	76.9585E	30	
Trivandrum	TRD	Kerala,India	8.5080N	76.9585E	64	From 1966-08-15
Trivento	TRIV	Italy	41.7666N	14.5502E	598	From 2005-03-17
Trizonia	TRIZ	Greece	38.3655N	22.0727E	57	
Trois Ilets	TRMF	Martinique,France	14.5363N	61.0512W	78	
Trois Rivieres	TVG	Guadeloupe,France	15.9797N	61.6478W	185	
Trois Rivieres	FBG	Guadeloupe,France	15.9797N	61.6478W	185	
Troitsky	TRCK	Orenburgskaya Oblast',Russia	51.6435N	54.2593E	69	From 2011-12-20
Trojmez	TRCW	Czech Republic	50.3032N	12.1448E	566	From 1991-01-01
Troll, Antartica	TROLL	Dronning Maud Land	72.0082S	2.5300E	1399	From 2012-02-05
Tromm	TOD	Hessen,Germany	49.6059N	8.8038E	568	From 1974-10-01 to 2016-12-31
Tromso	TRO	Norway	69.6325N	18.9281E	15	From 1993-08-06
Trondheim	TRON	Norway	63.4545N	10.4363E	34	
Trondheim	TBLU	Norway	63.2518N	10.2607E	232	From 2008-12-05
Troodos	TROD	Cyprus	34.9472N	32.8661E	1855	From 2016-11-10
Tropico Hills	TPO	California,U.S.A.	34.8788N	118.2280W	799	
Trosnyk	TRSU	Carpathian Mountains	48.0950N	22.9570E	120	From 1998-01-01
Trotters	TS-ND	North Dakota,U.S.A.	47.1069N	103.6731W	816	From 1964-10-02 to 1965-05-14
Trotters	TS-	North Dakota,U.S.A.	47.1069N	103.6731W	816	From 1964-10-02 to 1965-05-14
Trough	VTHM	Oregon,U.S.A.	45.1812N	120.5610W	773	
Trough Springs	GTSM	California,U.S.A.	39.3117N	122.6030W	1103	
Trout Butte	TCBU	Oregon,U.S.A.	44.2408N	122.6644W	1646	
Trout Creek	C12A	Montana,U.S.A.	47.7039N	115.4811W	782	From 2006-09-22 to 2006-12-03
Trout Creek Butte	VTCM	Oregon,U.S.A.	44.9137N	121.6660W	1690	
Trout Creek Butte at 3-Sisters	TCBUT	Oregon,U.S.A.	44.2408N	121.6644W	1646	From 2008-04-22
Trout Gulch Road	JTGM	California,U.S.A.	37.0285N	121.8777W	204	From 1975-10-02
Trout Lake	TT-MI	Michigan,U.S.A.	46.2097N	85.1678W	259	
Trout Lake	TT-	Michigan,U.S.A.	46.2097N	85.1678W	259	
Troy	TRY	New York,U.S.A.	42.7311N	73.6669W	131	From 1960-01-01
Troy	LEPT	Tennessee	36.2988N	89.1270W	88	From 1989-10-18 to 1992-03-11
Troy	H64A	Maine,U.S.A.	44.6412N	69.2203W	158	From 2013-09-18
Troy Canyon	TRCR	Nevada,U.S.A.	38.3497N	115.5852W	1815	
Troy Canyon, Currant	R11B	Nevada,U.S.A.	38.3489N	115.5854W	1767	From 2017-03-20
Troy Canyon, Currant	R11A	Nevada,U.S.A.	38.3489N	115.5854W	1756	From 2007-02-09
Troy, FSHM	FSHN	Tennessee	36.3641N	89.1542W	84	From 1989-11-05 to 1990-08-08
Trozza	TROT	Tunisia	35.5617N	9.6002E	900	
Trudelj	TRUS	Serbia	44.2235N	20.4063E	340	From 2006-10-22
Trude Siding	YPTS	Idaho,U.S.A.	44.4623N	111.3525W	1926	
Truellikon	TRULL	Switzerland	47.6487N	8.6816E	525	From 2003-08-29
Trujillo	TRP	Peru	8.0780S	78.8610W		
Trujillo	TUV	Venezuela	9.3510N	70.4510W	0	
Truk	TRU	Caroline Islands,Micronesia	7.4458N	151.8560E	107	From 1949-03-01 to 1999-08-25
Truth or Consequences (T or C)	TC-NM	New Mexico,U.S.A.	33.1842N	107.4617W	1524	From 1961-12-20 to 1962-05-03
Truxton	Q41A	Missouri,U.S.A.	38.9539N	91.2317W	191	From 2011-08-05 to 2013-04-13
Tryon Peak	TRYN	North Carolina,U.S.A.	35.2460N	82.2670W	915	From 1983-03-22
Tsaile	TSL	Arizona,U.S.A.	36.3722N	109.2440W	2012	From 1975-05-22 to 1999-08-25
Tsaishi	ZSH	Georgia,Georgia	42.4280N	41.8061E	45	From 1984-01-01
Tsauling	CHN5	Taiwan region	23.5970N	120.6780E	840	
Tsaushan	CHN4	Taiwan region	23.3510N	120.5930E	205	
Tschierv	STSP	Switzerland	46.6266N	10.3332E	1699	From 2006-08-16
Tsebel'da	TSE	Georgia,Georgia	43.0167N	41.2833E	430	
Tsetserleg	TTS	Mongolia	47.4800N	101.4400E	1760	
Tsey	ZEI	Severo-Osetinskaya,Russia	42.7881N	43.9014E	1926	
Tsiigehtchic	F31M	Northwest Territories,Canada	67.4410N	133.7420W	56	From 2016-08-22
Tsikhis-Dzhvari	TDG	Georgia,Georgia	41.7170N	43.4330E		
Tsim Bei Tsui	THK	Hong Kong,China	22.4863N	114.0117E	4	
Tsina	TSIM	Alaska,U.S.A.	61.2262N	145.3370W	1113	
Tsipikan	ZIP	Buryatiya,Russia	54.9100N	113.3400E	1050	From 1975-01-01 to 1986-12-31
Tsirk	CIRR	Kamchatskaya Oblast',Russia	56.1153N	160.7481E	1420	
Tsit'eli Tsqaro	ZTZ	Georgia,Georgia	41.4600N	46.1100E	800	
TS Leibis	LEIB1	Thuringen,Germany	50.5761N	11.1978E	480	From 2014-03-19
Tsodilo	TSD1	Botswana	18.7070S	21.7130E	1045	From 2001-01-01 to 2100-12-31
Tsokhamarg	TSOZ	Armenia	40.9500N	43.8670E	1970	
Tsoukalades, Lefkada island	TSLK	Greece	38.8249N	20.6554E	212	From 2012-10-09
Tsu	TSU1	Mie,Japan	34.7300N	136.5233E	18	
Tsu	TSU	Mie,Japan	34.7017N	136.5180E	4	
Tsu 2	TSUJ	Mie,Japan	34.7097N	136.4193E	30	From 1988-03-19
Tsukechi	TKC	Gifu,Japan	35.6534N	137.4662E	690	
Tsukuba	TSK	Ibaraki,Japan	36.2108N	140.1100E	280	From 1966-04-01
Tsumeb	TSUM	Namibia	19.2022S	17.5838E	1240	From 1994-09-01
TSUMEB INFRASONIC ARRAY REFERENCE POINT	I35NA	Namibia	19.1913S	17.5768E	1253	From 2003-03-19
Tsuna	JAJ2	Hyogo,Japan	34.4192N	134.8850E	85	
Tsuna	TNAK	Hyogo,Japan	34.4180N	134.8849E	90	
Tsuno	JTSN	Miyazaki,Japan	32.2455N	131.5045E	130	From 1997-03-01
Tsuruga	TSRJ	Fukui,Japan	35.5367N	135.9830E	47	From 1978-01-01
Tsuruga	TSR	Fukui,Japan	35.6500N	136.0650E	2	
Tsurugi yama	TSS	Tokushima,Japan	34.0417N	134.1700E	57	
Tsushima	JTU	Nagasaki,Japan	34.5243N	129.3987E	70	
Tsushimamitsushima	JTSM	Nagasaki,Japan	34.3386N	129.3849E	28	From 2013-07-01
Tsuyama	TUY	Miyagi,Japan	38.3900N	141.2200E		
Tswaing Meteorite Crater Museum,Gauteng Province	TSWA	South Africa	25.4215S	28.0797E	1117	From 2017-05-25
Ttatey	JTT	Toyama,Japan	36.6050N	137.3333E	236	
Tuai	TUA	North Island,New Zealand	38.8062S	177.1507E	274	From 1932-09-01 to 1988-03-09
Tual	TLE	Irian Jaya,Indonesia	5.6373S	132.7373E	113	
Tuamarina	TUWZ	South Island,New Zealand	41.4294S	173.9429E	132	From 2004-05-05
Tuan Giao	TGV	Vietnam	21.5898N	103.4182E	0	From 1996-01-01
Tuapeka	TUZ	South Island,New Zealand	45.9540S	169.6312E	110	From 1991-04-04
Tuapse	TPSR	Russia	44.0780N	39.0960E	0	
Tuba City	U16A	Arizona,U.S.A.	36.1428N	111.1297W	1544	From 2007-05-18 to 2009-02-08
Tubaro-SC	TER01	Parana,Brazil	28.5318S	49.1291W	315	From 2011-01-30
Tubingen	TUB	Baden-Wurttemberg,Germany	48.5269N	9.0611E	330	From 1933-01-01 to 1971-12-31
Tubou, Lakemba	LKBA	Fiji	18.2331S	178.8149W	36	
Tubuai	TBI	Tubuai,French Polynesia	23.3489S	149.4608W	20	From 1976-01-01
Tuckaleechee Caverns	TKL	Tennessee,U.S.A.	35.6580N	83.7740W	350	From 1978-07-30
Tucker Farm, Meadow	Z28A	Texas,U.S.A.	33.2884N	102.3866W	1045	From 2009-01-27 to 2010-12-04
Tucker property, S20	SCR20	Colorado	37.3399N	106.1965W	2493	
Tucson	TUC	Arizona,U.S.A.	32.3098N	110.7847W	910	From 1962-12-17
Tucson Desert	TDM	Arizona,U.S.A.	32.2442N	111.1690W	866	From 1978-12-22
Tucson Observatory	TUO	Arizona,U.S.A.	32.2467N	110.8350W	770	From 1909-01-01
Tucson--Telemeter	TUT	Arizona,U.S.A.	32.3350N	110.7230W	1439	From 1958-01-05 to 1962-01-31
Tucuman	TCM	Tucuman,Argentina	26.8000S	65.2000W	475	
Tucurui	TUCB	Para,Brazil	3.7341S	49.8255W	61	
Tuebingen, Eugenstrasse	TUEB	Baden-Wurttemberg	48.5136N	9.0612E	320	From 2016-03-01
Tuebingen-Lennartz	TUBL	Baden-Wurttemberg,Germany	48.5217N	9.0821E	217	From 2002-11-01
Tufares	TUF	Costa Rica	9.7542N	84.3840W	904	From 2002-04-11 to 2002-10-01
Tuguegarao	TLP	Luzon,Philippines	17.6523N	121.7600E		
Tugumak	WTUG	Alaska,U.S.A.	54.8477N	164.3858W	457	
Tuhingamata	TUTZ	North Island,New Zealand	38.7099S	175.9914E	614	From 1986-01-01 to 1990-07-02
Tuis	TUI	Costa Rica	9.8417N	83.5573W	1300	From 1984-03-17
Tukino	TUVZ	North Island,New Zealand	39.2677S	175.6542E	1446	From 1992-09-17
Tukpahlearik Creek	E18K	Alaska,U.S.A.	67.4213N	160.6027W	297	From 2017-07-29
Tuktoyaktuk	TUK	Northwest Territories,Canada	69.4400N	133.0280W	10	From 1980-12-02 to 1982-07-20
Tuktoyaktuk	TKT	Northwest Territories,Canada	69.4325N	132.9960W	3	From 1982-07-28 to 1984-07-11
Tuku	WTK	Taiwan region	23.6877N	120.3886E	42	From 2014-07-28
Tulancingo	TLX	Hidalgo,Mexico	20.0375N	98.4361W	2250	
Tulbagh	TUH	Cape Province,South Africa	33.2967S	19.1500E	190	
Tulcn	ATUL	Ecuador	0.7723N	77.7230W	2303	From 2010-12-10
Tulcn-Chalpatan Las Cuevas	TULM	Ecuador	0.7161N	77.7869W	3677	From 2012-08-09
Tulia	X29A	Texas,U.S.A.	34.4452N	101.7008W	1039	From 2009-01-23 to 2010-11-15
Tulsa	TUL	Oklahoma,U.S.A.	35.9106N	95.7925W	261	From 1961-07-01
Tulsa	TSO	Oklahoma,U.S.A.	36.1482N	95.8979W	210	From 1973-02-01 to 1974-04-29
Tu Ly	TLV	Vietnam	20.8790N	105.2600E	80	From 2002-05-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Tumaco	TUMC	Colombia	1.8237N	78.7267W	50	
Tumaco	CTUM2	Colombia	1.8230N	78.7260W	89	
Tumaco, Batallon	CTUMA	Colombia	1.8240N	78.7450W	14	From 1997-02-17
Tuman	GRPR	Sakhalinskaya Oblast',Russia	43.9927N	145.7721E	140	From 2011-09-20
Tumbaco	QUT	Ecuador	0.2022S	78.3922W	2345	
Tumlingtar	TUML	Nepal	27.3208N	87.1950E	360	From 2001-10-10 to 2002-11-08
Tumrok	TUMR	Kamchatskaya Oblast',Russia	55.2830N	160.1460E	1213	From 2003-07-12
Tumrok D	TUMD	Kamchatskaya Oblast',Russia	55.2031N	160.3990E	486	From 2011-03-18
Tumut Pond Dam	TPND	New South Wales,Australia	35.9630S	148.3900E	1205	
Tumwater	TUM	Washington,U.S.A.	47.0150N	122.9080W	20	From 1958-05-01
Tunca	BO01	O'Higgins	34.3918S	71.0849W	262	From 2014-01-20
Tunceli	TNC	Turkey	39.1083N	39.5533E	1003	From 1973-09-14
Tunceli-Merkez	TNCL	Turkey	39.1146N	39.5422E	1192	From 2010-11-27
Tunduma	TUND	Tanzania,United Republic of Tanzania	9.2988S	32.7625E	1699	
Tunduma	TDMT	Tanzania,United Republic of Tanzania	9.2962S	32.7712E	1590	From 1992-06-17
Tunduma	ITUM	Tanzania	9.4005S	33.1880E	1365	From 2014-07-01 to 2015-11-04
Tunel del Cadi	CADI	Spain	42.3402N	1.8412E	1207	
Tungkwan	TUWA	Gansu,China	34.6167N	110.2833E	0	From 1955-01-01
Tungshih	TWQ	Taiwan region	24.2747N	120.8360E	443	From 1972-09-08
Tungsten Hills	MTUM	California,U.S.A.	37.3533N	118.5640W	1810	From 1984-12-15
Tungur	TUNR	Altayskiy Kray,Russia	50.1600N	86.3300E	850	
Tungurahua	TUNG	Ecuador	1.4182S	78.4455W	2774	From 1989-06-01 to 1992-12-30
Tungurahua volcano	BILB	Ecuador	1.4385S	78.4988W	2315	From 2006-08-18
Tungurahua Volcano	BRUN	Ecuador	1.4185S	78.4264W	2639	From 2007-07-01
Tungurahua Volcano	BPAT	Ecuador	1.5033S	78.4335W	3725	From 2007-08-01
Tungurcha	TUG	Amurskaya Oblast',Russia	57.2900N	121.5000E	345	
Tungusskii	AY3S	Sakha,Russia	64.2000N	146.3800E	1080	From 1971-06-01 to 1971-12-31
T'ung-yeun Feng	TYF	Shaanxi,China	34.5000N	109.0670E	365	
Tunis	TUN	Tunisia	36.8000N	10.1333E		
Tunkhannock	TU-PA	Pennsylvania,U.S.A.	41.5714N	76.1367W	366	From 1962-08-02 to 1962-10-05
Tunkhannock	TU-	Pennsylvania,U.S.A.	41.5714N	76.1367W	366	From 1962-08-02 to 1962-10-05
TUNL	TUNL	Israel	31.2250N	35.3380E	380	From 1986-09-01 to 1991-03-31
Tunnel	PIORA	Switzerland	46.5373N	8.7833E	817	From 2007-12-15
Tuntungan	TSI	Sumatera,Indonesia	3.5008N	98.5645E	0	From 1974-10-01
Tupik	TUP	Chitinskaya Oblast',Russia	54.4250N	119.9539E	650	
Tupiza	TPZ	Bolivia	21.4650S	65.7163W	2960	
TUR	CTUR	Costa Rica	9.8115N	84.4668W	911	
Tura	TURI	Meghalaya,India	25.5500N	90.3333E	305	
TURA	TURA	Meghalaya,India	25.5168N	90.2242E	406	From 1975-06-01
Turaif	WELAS	Saudi Arabia	31.7810N	38.9090E	931	
Turaif	TRAF	Saudi Arabia	31.2570N	39.3560E	819	
Turatol	TURAT	Tajikistan	39.2501N	70.7766E	1838	From 1956-03-07
Turayna	TRNA	Qatar	24.7355N	51.2125E	50	From 2014-05-06
Turbat	TUR	Kazakhstan	41.7333N	69.6500E		
Turbat	TURB	Pakistan	25.9800N	63.0100E	137	From 2007-11-10
Turbay, BTN	BTNC	Colombia	7.5247N	73.1008W	2373	
Turbio	TBIO	Patagonia	42.9192S	72.3867W	458	From 2010-01-01
Turgen	TGN	Kazakhstan	43.3070N	77.6380E	1410	From 1976-10-18
Turhal	TRHT	Turkey	40.3497N	36.1778E	1190	From 1992-01-01 to 1998-04-01
Turia	TURR	Romania	46.0550N	26.0157E	636	From 2017-11-15
Turiamo	TURV	Venezuela	10.4500N	67.8400W	58	From 2002-11-14
Turikan	TNKS	Buryatiya,Russia	56.3870N	113.1160E	657	From 1981-08-12 to 1993-10-24
Turkey Creek	TRK	South Carolina,U.S.A.	33.1222N	79.7778W	10	From 1980-06-25
Turkoglu	TRKT	Turkey	37.3860N	36.8580E	515	From 1998-03-01
Turnbull Canyon	TCC	California,U.S.A.	33.9945N	118.0130W	299	From 1976-11-01 to 1999-08-25
Turner	TRM	Maine,U.S.A.	44.2597N	70.2551W	113	From 1977-01-01 to 1999-01-31
Turner Farm, Oroville	A08A	Washington,U.S.A.	48.9534N	119.2725W	1089	From 2006-09-14 to 2008-05-17
Turnu Magurele	TRM1	Romania	43.7577N	24.8776E	30	From 2015-09-25
Turnu Rosu	TNR	Romania	45.6520N	24.2730E	519	From 1989-07-01
Turnu Rosu	TUU	Romania	45.6525N	24.2731E	519	From 1988-06-15
Turoa	TRVZ	North Island,New Zealand	39.2988S	175.5479E	2062	From 2005-03-16
Turquoise Mountain, Baker	TUQ	California,U.S.A.	35.4358N	115.9239W	1350	From 2002-05-02
Turrialba	TURIB	Costa Rica,Costa Rica	9.9070N	83.6860W	692	
Turrialba Volcano	VTCE	Costa Rica,Costa Rica	10.0247N	83.7568W	3178	
Turrialba Volcano	VTLA	Costa Rica,Costa Rica	10.0027N	83.7752W	2724	
Turrialba Volcano Quemados	CVTQ	Costa Rica,Costa Rica	10.0045N	83.7672W	2837	
Turrubares	TRB2	Costa Rica,Costa Rica	9.9138N	84.4483W	369	
Turtle Beach	SKTB	St Kitts,Saint Kitts and Nevis	17.2087N	62.6171W	46	From 2003-02-10
Turtle Mountain	TMDA	Alberta,Canada	49.5811N	114.3992W	1541	
Turtle Mountains	TTM	California,U.S.A.	34.3353N	114.8280W	1098	From 1974-04-01
Turunc	TURN	Turkey	36.7753N	28.2444E	28	From 2007-05-21
Turuntaevo	TRTB	Buryatiya,Russia	52.2300N	107.6300E	600	From 1999-08-01
Turuntaevo, Baikal	TRTS	Buryatiya,Russia	52.2230N	107.6490E	600	From 1999-08-01
Tuscania	TU1	Italy	42.4186N	11.8744E	166	
Tuscan Springs	LTCM	California,U.S.A.	40.2083N	122.1240W	257	
Tuscarora	TUS	New York,U.S.A.	43.1800N	78.9592W	165	From 1971-06-01 to 1974-03-31
Tustin Road	HTUM	California,U.S.A.	36.8272N	121.6429W	94	
Tutak	TUTA	Turkey	39.4019N	42.8137E	2154	From 2006-09-13
Tuttle Creek Reservoir	TCK	Kansas,U.S.A.	39.3848N	96.7225W	376	From 1977-08-15 to 2001-07-15
Tuxedo	TXNY	New York,U.S.A.	41.1775N	74.1887W	143	From 1990-01-01
Tuxtla Gutierrez	TGBT	Chiapas,Mexico	16.7768N	93.0895W	0	From 2009-02-16
Tuyen-Quang	TQV	Vietnam	21.8283N	105.2080E	35	From 1975-07-27
Tuzandepetl	TUIG	Veracruz,Mexico	18.0339N	94.4227W	100	
Tuzla	AKFT	Turkey	40.9273N	29.4165E	209	From 2006-02-24
Tuzla-Istanbul	TUZL	Turkey	40.8131N	29.2660E	13	From 2011-01-01
Tvarminne	TVF	Finland	59.8434N	23.2496E	10	From 2019-05-21
TV Cable, Bogot¡	TVAC	Colombia	4.7178N	74.0846W	2685	From 2014-04-14
TV Hill, Hawthorne	TVH1	Nevada,U.S.A.	38.4574N	118.7658W	3136	
TV Kerman	TVBK	Iran	29.9860N	56.7612E	2886	From 2010-05-05
Tweed	H55A	Ontario,Canada	44.5505N	77.1829W	182	From 2012-11-16
Twentynine Palms	TPC	California,U.S.A.	34.1058N	116.0490W	720	From 1972-05-05
Twentynine Palms	TN-CL	California,U.S.A.	34.1983N	115.9500W	533	From 1962-02-01 to 1962-05-03
Twin Buttes	YPTB	Wyoming,U.S.A.	44.5252N	110.8460W	2219	
Twin Lakes	TWL	California,U.S.A.	34.2783N	118.5940W	390	From 1971-11-01
Twin Peaks	TWN	California,U.S.A.	36.0527N	121.5070W	148	From 1973-12-17 to 1975-09-30
Twin Springs	TSV	Nevada,U.S.A.	38.2017N	116.1750W	1585	From 1965-01-01 to 1972-12-31
Twisselman Ranch, Shandon	TRAY	California,U.S.A.	35.5517N	120.1258W	690	From 2016-05-26
Twissleman Ranch	PTRM	California,U.S.A.	35.6547N	120.2110W	643	
Twist	TWAR	Arkansas,U.S.A.	35.3614N	90.5597W	61	
Twitchell Island	TWIT	California	38.0959N	121.6843W	0	From 2019-02-01
Two Rivers School, Snoqualmie Valley	SVTR	Washington,U.S.A.	47.4958N	121.7816W	146	From 2002-09-20
Tymovskoe	TYV	Sakhalinskaya Oblast',Russia	50.8630N	142.6560E	160	From 1969-01-01
Tynda	TNDR	Sakha,Russia	55.1470N	124.7210E	534	From 2001-06-20
Tyneside	TYNO	Ontario,Canada	43.0950N	79.8702W	205	From 1991-07-18
Tyrgan	TRG	Irkutskaya Oblast',Russia	52.7600N	106.3481E	718	
Tyrnavos	TYRN	Greece	39.7110N	22.2325E	151	From 2015-12-14
Tyson Valley	TYS	Missouri,U.S.A.	38.5268N	90.5660W	195	From 1974-02-19
Tytingvag	N2B1	Norway	61.9000N	5.0960E	75	
Tytingvag	N2B7	Norway	61.8990N	5.0940E	15	
Tyubelyakh	UL1S	Sakha,Russia	65.3720N	143.1500E	380	From 1988-01-01 to 1988-12-31
Tyukosdulo	RHK5	Hungary	47.6983N	19.0822E	204	
Tzaneen,Limpopo Province	TZAN	South Africa	23.9283S	30.1739E	830	From 2017-07-11
Tzaverdella	NEOK	Greece	38.0460N	23.6310E	135	
U57S	U57S	Maule	35.4583S	72.0957W	112	
U59S	U59S	Maule	35.9128S	72.3997W	198	
U60S	U60S	Maule	35.8775S	72.6172W	205	
U66S	U66S	Maule	34.9062S	72.1663W	150	
U67S	U67S	Maule	34.4872S	71.5540W	0	
U72S	U72S	Maule	33.9787S	71.8125W	46	
Uak-Banaz	BNAZ	Turkey	38.6790N	29.8795E	1206	From 2017-12-13
UABC, Campus Mexicali	UABX	Baja California,Mexico	32.6322N	115.4402W	44	
Uakit	UKT	Buryatiya,Russia	55.4889N	113.6269E	1140	
U Bar Ranch, Lordsburg	120A	New Mexico,U.S.A.	32.5466N	108.6330W	1528	From 2008-02-02 to 2009-12-10
Ubatuba-SP	SLP01	Sao Paulo,Brazil	23.3243S	45.1559W	1117	From 2011-01-30
Ubbergen	NE37	Netherlands	51.8351N	5.9050E	30	
Ubeda,Jaen	E0802	Spain	38.0257N	3.3756W	770	From 2016-09-26
Ubonrachathani	UBT	Thailand	15.2456N	105.0183E		From 1993-12-01
Uccle	UCC	Belgium	50.7983N	4.3594E	105	
Uchkent	UKTR	Dagestan,Russia	43.1139N	47.0806E	120	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Uchtor	UCH	Kyrgyzstan	42.2275N	74.5134E	3850	
Ucluelet	B012	British Columbia,Canada	48.9246N	125.5420W	13	From 2005-09-20
U. Connecticut	UCCT	Connecticut,U.S.A.	41.7943N	72.2255W	223	
UCPARC, Winfield	Y47A	Alabama,U.S.A.	33.9025N	87.8494W	160	From 2011-04-13 to 2013-02-03
Ucria	MUCR	Sicily,Italy	38.0429N	14.8738E	1036	From 2011-02-03
Udaipur	UDPR	India	24.5800N	73.7128E	578	From 2018-02-02
Udbina	UDBI	Croatia	44.5279N	15.7644E	807	From 2009-06-19
Uddeholm	UDD	Sweden	60.0897N	13.6073E	240	
Udhampur	UDP	Jammu and Kashmir,India	32.9017N	75.0800E		
Udine	UDN	Italy	46.0650N	13.2367E	100	From 1976-06-01 to 1978-12-31
Udine OGS	UDI	Italy	46.0650N	13.2367E	112	From 1977-06-24 to 1990-05-05
Udo	UDO0	Republic of Korea	33.5228N	126.9540E	-94	From 2016-12-16
Udria, Vaivara	EE05	Estonia	59.3915N	27.9198E	26	From 2015-11-03 to 2016-10-13
Ueberruh	UBR	Baden-Wurttemberg,Germany	47.6807N	10.1080E	890	From 1994-01-01
Uelen temporary site, Chukotka	YLNS	The Chukotsky Autonomous Okrug,Russia	66.1590N	169.8056W	28	From 2006-07-17 to 2006-07-26
Ufa	UFA	Bashkortostan,Russia	54.8000N	56.0000E	0	
Ufa	BA1R	Bashkortostan	54.5892N	55.7088E	114	From 2013-08-06
Ufford	KUF	England,United Kingdom	52.6175N	0.3894W	35	From 1988-01-01
Ugakei	UGK	Mie,Japan	35.0967N	136.4729E	290	
Ugak Island	UGI	Alaska,U.S.A.	57.3945N	152.2820W	213	
Ugashik Creek	R17K	Alaska,U.S.A.	57.6397N	156.3872W	273	From 2016-06-06
Ugashik Lake	USL	Alaska,U.S.A.	57.3983N	157.0300W	500	
Ugashik Lake	UKL	Alaska,U.S.A.	57.4017N	156.8550W	410	From 1975-10-01 to 1999-08-25
Uglegorsk	UGL	Sakhalinskaya Oblast',Russia	49.0780N	142.0660E	40	
Uglovaya	UGLR	Kamchatskaya Oblast',Russia	53.2089N	158.8239E	1140	
Ugurusu	URS	Kochi,Japan	33.5376N	133.4890E	25	From 1957-06-01
UHE Batalha	BAT2	Goias,Brazil	17.3580S	47.4720W	848	From 2012-08-01
UHE Belo Monte	BMO1	Para,Brazil	3.1546S	51.7558W	37	From 2012-02-15
UHE Belo Monte	ATM1	Para,Brazil	3.2885S	52.2249W	183	From 2012-02-15
UHE Belo Monte	BMO2	Para,Brazil	3.3474S	51.9887W	117	From 2012-02-15
UHE Cana Brava	CAN1	Goias,Brazil	13.4175S	48.0852W	380	From 2013-10-28
UHE Corumb¡	COR01	Goias	18.0131S	48.5775W	824	From 2015-01-01
UHE Estreito - MA/TO	PAL2	Maranhao,Brazil	6.7478S	47.3273W	248	From 2010-10-20
UHE Funil - MG	FUN1	Minas Gerais,Brazil	21.1121S	44.9318W	922	From 2010-12-21
UHE Itumbiara	ITU03	Goias	18.2442S	48.8870W	544	From 2015-01-01
UHE Lajeado	LAJE	Tocantins,Brazil	9.9816S	48.3185W	294	From 2011-02-02
UHE Manso	MAS01	Mato Grosso	14.8875S	55.8171W	356	From 2016-08-23
UHE Marimbondo	MAR04	Sao Paulo	20.3156S	49.1904W	411	From 2016-08-15
UHE Simplicio	SIM2	Rio de Janeiro,Brazil	21.9159S	42.8069W	345	From 2012-08-25
UHE Simplicio	SIM1	Rio de Janeiro,Brazil	22.0090S	42.9854W	392	From 2012-08-28
UHE Tucurui	TUC4	Para,Brazil	4.2514S	49.5368W	114	From 2011-03-23
UHE Tucurui	TUC3	Para,Brazil	4.2829S	49.9166W	152	From 2013-11-08
Uinta Basin Array	UBO	Utah,U.S.A.	40.3217N	109.5690W	1596	From 1970-04-01 to 1973-09-30
Uiryeong-eup	EURB	Republic of Korea	35.3227N	128.2880E	-42	From 2012-11-10
Uiseong	EUSB	Republic of Korea	36.3561N	128.6887E	111	From 2015-10-01
Uitikon, ZR	EWZT3	Switzerland	47.3758N	8.4551E	646	From 2009-08-27
Ujela	LUJL	Libya	29.1192N	21.3027E	95	
Uji	UJI	Kyoto,Japan	34.8666N	135.8269E	290	
Ujung Watu	UWJI	Jawa,Indonesia	6.4191S	110.9474E	62	From 2005-01-01
Ujwa (Najafgarh)	UJWA	India	28.5703N	76.9036E	218	From 2017-12-22
Ukalunda	UKAQ	Queensland,Australia	20.8976S	147.1274E	250	From 1984-03-28
Ukamas	ARMS	Namibia	28.0400S	19.7400E	828	
Ukiah	UK-	Oregon,U.S.A.	45.0931N	118.8986W	1311	From 1963-02-08 to 1963-03-01
Ukiah	UK-OR	Oregon,U.S.A.	45.0931N	118.8986W	1311	From 1963-02-08 to 1963-03-01
Ukiah	UKI	California,U.S.A.	39.1372N	123.2110W	199	From 1931-09-01
Ukrul	UKHR	Manipur,India	25.0450N	94.2123E	40	From 2012-01-01
Ukwama	UKWA	Tanzania	9.4539S	34.2158E	2143	From 2013-08-08 to 2015-11-04
Ulaanbaatar	ULN	Mongolia	47.8652N	107.0528E	1615	
Ulaangom	ULG	Mongolia	49.9600N	92.0600E	980	
Ulagan, Altay Republic, Russia	ULGR	Altayskiy Kray,Russia	50.6234N	87.9607E	1239	From 2002-07-28
Ulahol	ULHL	Kyrgyzstan	42.2456N	76.2417E	2040	
Ulamona	ULO	New Britain,Papua New Guinea	5.0590S	151.3030E	980	From 1981-12-09
Ulamona	ULA	New Britain,Papua New Guinea	5.0064S	151.2560E	10	
Ulan Bator	OBM	Mongolia	47.9200N	106.9700E	1330	
Ulan-Yde	UUDB	Buryatiya,Russia	51.8670N	107.6630E	600	From 1996-02-01
Ulba	ULBA	Ecuador	1.4493S	78.4077W	2960	
Ulba Tungurahua	BBIL	Ecuador	1.4500S	78.4875W	2690	From 2008-07-01
Ulba Tungurahua	BULB	Ecuador	1.4372S	78.4097W	2989	From 2008-07-17
Ulcinj	ULC	Montenegro	41.9636N	19.2445E	504	From 1983-12-25
Uljin	KSULJ	Republic of Korea	36.7021N	129.4084E	77	From 2000-12-18
ULJIN	UJN	Republic of Korea	36.9918N	129.4129E	92	From 2007-11-29
Ulkokalla	OBF8	Finland	64.3310N	23.4460E	10	From 2013-08-01
Ulladulla High School, Ulladulla	AUUHS	New South Wales,Australia	35.3600S	150.4700E	44	From 2013-09-12
Ulleungdo	KSULL	Republic of Korea	37.4736N	130.9008E	218	From 1998-04-28
Ulleungdo	ULDR	Republic of Korea	37.4809N	130.8988E	169	From 2018-03-09
Ulleungdo bore hole	ULLB	Republic of Korea	37.5404N	130.9170E	0	From 2006-12-31
ULLUNGDO	UL1	Republic of Korea	37.3193N	130.8778E	-2188	From 2006-12-30
Ullung-do Borehole	ULDB	Republic of Korea	37.4809N	130.8988E	216	From 2014-10-25
Ulm	ULMD	Baden-Wurttemberg	48.4108N	10.0161E	466	From 2017-02-01
Ulm, Ringingen	A108A	Germany	48.3477N	9.8311E	564	From 2015-11-11
Ulsan	KSULS	Republic of Korea	35.5543N	129.3203E	34	From 2000-03-07
Ulsan	KSUSN	Republic of Korea	35.7024N	129.1232E	238	From 2007-12-12
ULSEONG	KSEUS	Republic of Korea	36.3519N	128.6870E	81	From 2000-11-21
Uludag	ULDT	Turkey	40.1422N	29.1361E	1734	From 1996-04-01
Ulysses	S29A	Kansas,U.S.A.	37.6199N	101.1180W	931	From 2009-04-11 to 2011-03-14
Ulyunkhan	YLYR	Buryatiya,Russia	54.8761N	111.1617E	560	
Umaji	UMJ	Kochi,Japan	33.5462N	134.0470E	320	
Umak	AD2	Alaska,U.S.A.	51.9033N	176.0180W	381	From 1974-01-01 to 1992-02-01
Um Al Zommool	UMZA	United Arab Emirates	22.7138N	55.1609E	96	
Umbach	A013A	Austria	48.0635N	15.4063E	530	From 2015-06-26
Umberatana	UMB	South Australia,Australia	30.2400S	139.1281E	610	From 1967-06-01
Umbertide	UMBT	Italy	43.3040N	12.3437E	252	From 2018-04-10
Umea	UME	Sweden	63.8150N	20.2370E	10	From 1962-01-25 to 2004-12-23
Umeaa	UMAU	Sweden	63.8829N	20.6779E	20	From 2002-01-13
Umejima	UMJE	Yamanashi,Japan	35.1928N	138.4979E	250	
Umerkot	UMKT	Pakistan	25.3300N	69.7100E	29	From 2006-03-25
UM Field Station, Abbeville	X45A	Mississippi,U.S.A.	34.4241N	89.3931W	142	From 2011-05-16 to 2013-02-07
UMJ01	UMJ01	Saudi Arabia	25.6656N	37.3674E	262	
UMJ02	UMJ02	Saudi Arabia	25.7203N	37.3812E	219	
UMJ03	UMJ03	Saudi Arabia	25.8442N	37.1935E	150	
UMJ04	UMJ04	Saudi Arabia	25.7930N	37.3880E	149	
UMJ05	UMJ05	Saudi Arabia	25.9870N	37.1050E	220	
UMJ06	UMJ06	Saudi Arabia	25.7310N	37.3230E	244	
UMJ07	UMJ07	Saudi Arabia	25.7310N	37.4320E	257	
UMJ08	UMJ08	Saudi Arabia	25.6148N	37.5731E	255	
UMJ09	UMJ09	Saudi Arabia	25.8162N	37.6137E	686	
UMJ10	UMJ10	Saudi Arabia	25.9844N	37.6177E	842	
UMJ11	UMJ11	Saudi Arabia	25.6479N	37.0838E	56	
UMJ12	UMJ12	Saudi Arabia	25.4690N	37.1210E	29	
Um Kedad	QYSM	Saudi Arabia	27.8540N	46.8750E	303	
Umluj	SUMJS	Saudi Arabia	24.7572N	37.3997E	198	
Umm Al-Quwin	UMQ	Umm Al-Quwain,United Arab Emirates	25.5252N	55.6623E	28	
Umm Al-Rimmam	UMR	Kuwait	29.5519N	47.7158E	82	
Umm Al-Ruwaisat	RST	Kuwait	29.5003N	46.9972E	218	
Umm Lajj	UMJS	Saudi Arabia	25.2323N	37.3109E	250	
Umm Shaghir	ASHG	Egypt	23.2655N	31.6576E	340	
Umpang Tak	UMPA	Thailand	16.2057N	98.8603E	403	
Umpqua	J02A	Oregon,U.S.A.	43.3654N	123.5747W	136	From 2005-11-16 to 2007-11-29
Umpqua Community College DOGAMI SMO	UMPQ	Oregon,U.S.A.	43.2909N	123.3319W	162	From 2005-04-27
Umpqua National Forest, Toketee	J04A	Oregon,U.S.A.	43.2406N	122.1093W	1952	From 2006-10-31 to 2007-10-30
Umpqua National Forest, Toketee, OR	J04D	Oregon,U.S.A.	43.2405N	122.1093W	1948	From 2009-10-09
Umtata	UMT	Cape Province,South Africa	31.5833S	28.7550E	800	From 1988-08-01 to 1999-08-25
Unac-Piva	UPM	Montenegro	43.2031N	18.9051E	1770	From 2003-07-11
Unalakleet	UNL	Alaska,U.S.A.	63.8933N	160.6870W	91	
Unalakleet	I17K	Alaska,U.S.A.	63.8864N	160.6950W	105	From 2017-06-09
Unalaska	UNA	Alaska,U.S.A.	53.8733N	166.5330W		From 1954-04-06 to 1956-09-10
Unalaska Valley	UNV	Alaska,U.S.A.	53.8452N	166.5045W	65	From 1999-02-19
Unciti	IUNC	Spain	42.7559N	1.4989W	766	From 2005-07-22
Uncukul	UNCR	Dagestan,Russia	42.7139N	46.7944E	650	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Uncukuru	UNCK	Turkey	40.1159N	28.7222E	503	From 2013-04-10
Underwood Farm, Alliance	L26A	Nebraska,U.S.A.	42.0367N	103.0795W	1248	From 2008-11-24 to 2010-10-05
Undues	YUND	Spain	42.5768N	1.1331W	872	From 2010-05-01
Undu Point	UDU	Fiji	16.1521S	179.9880W	170	From 1981-11-01
Ungalak Mountain	L15K	Alaska,U.S.A.	61.6780N	161.4869W	219	From 2017-05-28
Ungalikthiuk River	O15K	Alaska,U.S.A.	59.1767N	159.8246W	306	From 2017-08-31
Ungchon	UNCA	Republic of Korea	35.4695N	129.2395E	70	From 2018-03-09
Unidad de Salud de Chinameca	UCHI	El Salvador	13.5118N	88.3489W	565	
Union	146A	Mississippi,U.S.A.	32.6368N	89.0573W	164	From 2011-03-23 to 2013-01-29
Union City	TVLT	Tennessee	36.3830N	89.1235W	91	From 1989-11-15 to 1992-03-14
Union City	WARM	Tennessee	36.3943N	89.0137W	86	From 1989-11-19 to 1990-06-22
Union City	KMSM	Tennessee	36.4757N	89.0285W	85	From 1989-12-05 to 1990-11-25
Union City	PNMM	Tennessee	36.4485N	89.1275W	87	From 1989-12-05 to 1991-10-22
Union City, PTVM	PTVN	Tennessee	36.4287N	89.0712W	84	From 1989-12-02 to 1990-08-08
Union Grove	UGRT	Tennessee,U.S.A.	35.6109N	84.1170W	302	From 1983-11-05
Union Juarez	CHUJ	Chiapas	15.0937N	92.1083W	1985	
Union Juarez	MUX	Chiapas,Mexico	15.0790N	92.0740W		
Union Valley	UYO	Oklahoma,U.S.A.	34.1667N	94.4588W	231	From 1989-04-15
Unionville	UVN1	Nevada,U.S.A.	40.4500N	118.1500W	1870	
Unionville	UVN	Nevada,U.S.A.	40.4423N	118.1580W	1926	From 1964-09-13 to 1969-12-31
Unistalda (Brazil)	UNIS	Rio Grande do Sul	29.0682S	55.0719W	319	From 2016-05-07
Univ. Columbia	EPMB	British Columbia,Canada	51.0633N	118.5400W	2150	
Univ de Panama	UPD1	Panama	8.5487N	78.0135W	74	
Univ. de Panama	UPA	Panama	8.9810N	79.5338W	41	From 1983-08-01
Univ. de Panama	UPIG	Panama	8.9906N	79.5342W	41	
Universidad Adolfo Ibaez	MT03	Metropolitana	33.4937S	70.5102W	1086	From 2013-07-10
Universidad Austral	LR02	Chile	39.8061S	73.2504W	67	From 2015-08-14
Universidad Catolica de El Salvador	UNIC	El Salvador	13.9816N	89.5485W	660	
Universidad Complutense Madrid	UCM	Spain	40.3077N	3.2442W	600	From 2010-03-01
Universidad de El Salvador	UESS	El Salvador	13.7200N	89.2005W	694	
Universidad de El Salvador San Miguel	SMIG	El Salvador	13.4390N	88.1589W	114	
Universidad de El Salvador, sede San Vicente	UESV	El Salvador	13.6366N	88.7873W	401	
Universidad de Guanajuato	UGO	Jalisco,Mexico	21.0170N	101.2555W		
Universidad de la EARTH en Liberia	NY14	Costa Rica	10.6482N	85.5337W	72	From 2005-11-01
Universidad de los Andes	UAV	Venezuela	8.6100N	71.1450W	1600	From 1969-08-01
Universidad Don Bosco	UDBS	El Salvador	13.7152N	89.1550W	640	
Universidad Evangelica	UEES	El Salvador	13.7163N	89.2392W	853	
Universidad Nacional Autonoma de Honduras	UNAH	Honduras	14.0750N	87.1750W	1020	
Universidad Nacional Autonoma de Mexico	UNM	Mexico D.F.,Mexico	19.3290N	99.1780W	2257	From 1967-06-04
Universidad Nacional de San Luis	UNSL	San Luis	33.1231S	66.0268W	1043	
Universidad Technlogica Nacional Mendoza	UTNM	Mendoza,Argentina	32.8968S	68.8532W	771	From 2012-01-01
Universidad tcnica Particular de Loja	LOJ1	Ecuador	3.9900S	78.3600W	1554	
Universidad Tecnologica	UTEC	El Salvador	13.7008N	89.2013W	683	
Universita' Del Sannio	BENI	Italy	41.1298N	14.7716E	75	
Universitario Texcoco	TXVM	Mexico D.F.	19.4335N	98.9175W	2242	
University, Bengkulu	UBSI	Sumatera,Indonesia	3.7611S	102.2714E	28	
University Campus, Patras University	UPR	Greece	38.2836N	21.7864E	140	From 2006-04-14
University, Gondar	GOND	Ethiopia,Ethiopia	12.5806N	37.4476E	2241	From 2014-04-01 to 2017-12-01
University New Hampshire, Durham	DUNH	New Hampshire,U.S.A.	43.1370N	70.9350W	60	From 2011-05-04
University of Arizona	UOA	Arizona,U.S.A.	32.2331N	110.9530W	741	From 1972-04-01 to 1974-04-30
University of Arkansas, Little Rock	UALR	Arkansas,U.S.A.	34.7751N	92.3429W	138	
University of California, Santa Cruz	JUCM	California,U.S.A.	37.0012N	122.0485W	177	From 1975-01-29
University of California Stadium	CMSB	California,U.S.A.	37.8719N	122.2517W	-72	From 1995-01-01 to 2011-04-13
University of Cincinnati	UOCO	Ohio,U.S.A.	39.1400N	84.5220W	226	
University of Connecticut	UCT	Connecticut,U.S.A.	41.8317N	72.2506W	149	
University of Dallas	FW04	Texas,U.S.A.	32.8476N	96.9232W	144	From 2016-09-29
University of Iquique	UNAP	Chile	20.2439S	70.1404W	0	From 2009-05-14
University of Johannesburg	UNJO	South Africa	26.2635S	27.9207E	1683	From 2010-01-01
University of Jordan, Amman	UNJ	Jordan	32.0158N	35.8708E	1050	
University of Michigan	AAMC	Michigan,U.S.A.	42.2780N	83.7360W	250	
University of New Brunswick	UNB	New Brunswick,Canada	45.9462N	66.6442W	64	From 1971-04-01
University of New Hampshire, Durham, NH	UNH	New Hampshire,U.S.A.	43.0926N	70.8650W	4	From 2013-11-26
University of Puget Sound	UPS	Washington,U.S.A.	47.2639N	122.4836W	113	
University of Richmond	URVA	Virginia,U.S.A.	37.5709N	77.5357W	49	
University of Southern California	USC	California,U.S.A.	34.0192N	118.2860W	17	From 1993-01-01
University of Southern Indiana	USIN	Indiana,U.S.A.	37.9651N	87.6660W	170	
University of Tennessee at Martin	UTM	Tennessee,U.S.A.	36.2900N	88.9410W	108	From 1982-08-12 to 1985-12-31
University of Tennessee at Martin	UTMA	Tennessee,U.S.A.	36.2930N	88.9760W	108	From 1985-11-01
University of Tennessee at Martin	UTMT	Tennessee,U.S.A.	36.3423N	88.8642W	120	
University of Toledo	UTO	Ohio,U.S.A.	41.6619N	83.5743W	179	From 1977-12-20
University of Toledo	UTLO	Ohio,U.S.A.	41.6590N	83.6180W	178	
University of Washington Friday Harbor	UWFH	Washington,U.S.A.	48.5459N	123.0132W	10	From 2001-08-02
University of Western Ontario	UWOO	Ontario,Canada	43.0110N	81.2724W	248	
University of Wisconsin at Milwaukee	UWM	Wisconsin,U.S.A.	43.0795N	87.8784W	204	
Unterbreizbach	UBBA	Hessen,Germany	50.8188N	10.0010E	-526	
Unterfahrungsstollen, Kaernten	A026A	Austria	46.9332N	14.5516E	800	From 2015-09-07
Unterstinkenbrunn	UNNA	Austria	48.6602N	16.3461E	217	From 2019-06-28
Unzen dake	UNZ	Nagasaki,Japan	32.7400N	130.2650E	678	
Uonuma	JUON	Niigata	37.2085N	139.0565E	226	From 2016-01-25
Uoyan	YOA	Buryatiya,Russia	56.1328N	111.7239E	500	
Uoyan, Buryatiya, Russia	YOAB	Buryatiya	56.1405N	111.7224E	524	From 2018-08-05
Upernavik	UPNV	Greenland	72.7831N	56.1374W	100	From 2014-01-07
Upernavik	UPNG	Greenland	72.7848N	56.1408W	110	
Upice	UPC	Czech Republic	50.5074N	16.0121E	416	
Upington	UPI	Cape Province,South Africa	28.3620S	21.2527E	845	From 1993-05-01
U. Pittsburgh - Allegheny Obs.	UPAO	Pennsylvania,U.S.A.	40.4821N	80.0216W	274	
Upland Way Hayward	C014	California,U.S.A.	37.6827N	122.0600W	68	From 2009-06-22 to 2011-02-18
Upper Baezaeko River	UBRB	British Columbia,Canada	52.8918N	124.0832W	1241	From 2007-10-16
Upper Bighouse, Forsinard	BIGH	Scotland,United Kingdom	58.4933N	3.9105W	70	From 2009-06-01
Upper Falls	YUF	Wyoming,U.S.A.	44.7126N	110.5117W	2394	
Upper Santa Misericordia	UMS	Luzon,Philippines	13.2480N	123.7320E	330	
Uppsala	UPP	Sweden	59.8576N	17.6229E	14	
`Uqlat as Suqur	UQSK	Saudi Arabia	25.7890N	42.3600E	950	From 1990-05-23
Ura	KV91	Miyazaki,Japan	32.0131N	130.8031E	308	
Urahoro	URH	Tokachi,Japan	42.9270N	143.6744E	120	
Urakawa	URA	Hidaka,Japan	42.1583N	142.7817E	30	
Urakawa 2	URAJ	Hidaka,Japan	42.2247N	142.7050E	40	From 1991-06-07
Urakawa 3	URA3	Hidaka,Japan	42.2428N	142.6672E	30	From 1993-12-10
Urakawa-nobuka	JNBK	Hidaka,Japan	42.2800N	142.7527E	115	From 2002-03-19
Urasar	KYB	Armenia	40.9733N	44.2650E	1620	
Urasca	URSC	Costa Rica	9.8350N	83.7782W	1500	
Ura-Tyube	URT	Tajikistan	39.9167N	69.0167E		From 1970-01-01
Uravakonda	URV	Andhra Pradesh,India	14.9469N	77.2597E	472	From 2008-10-01
Uravi	URAV	Georgia,Georgia	42.6437N	43.2899E	869	From 2007-08-28
Urbach, Forststuetzpunkt Haeule	URBA	Baden-Wurttemberg	48.8376N	9.5859E	449	From 2016-03-01
Urbana	N47A	Indiana,U.S.A.	40.8801N	85.6942W	252	From 2012-09-04
Urbania	URBN	Italy	43.6709N	12.5187E	263	From 2020-01-28
Urbes	URBF	Alsace	47.8750N	6.9333E	900	From 2015-01-01
Urbino	UR1H	Italy	43.7167N	12.6333E	430	From 1901-01-01 to 1911-12-31
Urbino	URBI	Italy	43.7238N	12.6342E	500	From 2020-01-29
Urb. La Laguna, PAL	PALAG	Costa Rica	9.8295N	83.8720W	1220	
Urcuqui	URCU	Ecuador	0.4385N	78.2557W	3262	From 2010-05-03
URD01	URD01	Saudi Arabia	26.9500N	37.6600E	1393	
Urdarhals	IURH	Iceland	64.8204N	17.1471W	1078	From 2014-08-31
Urds	URDF	Aquitaine,France	43.4383N	0.5931W	120	From 2012-06-01
Ureshino	JUR	Nagasaki,Japan	33.0932N	129.9490E	160	
Urewera	URZ	North Island,New Zealand	38.2593S	177.1109E	95	From 1990-10-09
Urfa	URFA	Turkey	37.4410N	38.8213E	938	From 2004-12-02
Urgal	URG	Khabarovskiy Kray,Russia	51.0986N	132.3639E	0	
Uribe, Santander	URB	Colombia	7.2375N	73.3338W	834	From 2009-09-01
Uribia, Colombia	URIC	Colombia	11.7017N	71.9925W	68	From 2009-02-01
Urkarakh	URKR	Dagestan,Russia	42.1656N	47.6333E	1300	
Uruapan	URUA	Michoacan,Mexico	19.4217N	102.0740W	1680	From 2009-02-16
Urumqi	WMQ	Xinjiang Uygur Zizhiqu,China	43.8211N	87.6950E	897	
Urzelina	URZL	Azores	38.6474N	28.1216W	85	
Usagre, Badajoz	E029	Spain	38.4397N	6.1831W	593	From 2007-09-07 to 2009-06-02
Uak-Merkez	USAK	Turkey	38.7143N	29.0181E	721	From 2013-02-20
US Embassy, Port-au-Prince	NQUSE	Haiti	18.5640N	72.2482W	78	
Usha	KMN1	Pakistan	35.5370N	72.6670E	2245	From 2012-01-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Ushuaia	USHA	Tierra del Fuego,Argentina	54.8319S	68.4333W	107	From 2003-12-19
Ushuaia	USHU	Tierra del Fuego,Argentina	54.8433S	68.5569W	12	
USHUAIA INFRASONIC ARRAY REFERENCE POINT	I02AR	Tierra del Fuego,Argentina	54.5806S	67.3092W	94	From 2006-05-04
Uspallante	USPA	Patagonia	44.9524S	73.1033W	14	From 2010-01-01
Uspallata	AUSP	Mendoza,Argentina	32.2235S	69.3872W	2502	
Ussuriysk Ar. Beam Pt.	USRK	Russia	44.1998N	131.9888E	170	From 2008-10-13
Ussuriysk Array Site A0	USA0	Russia	44.1998N	131.9888E	115	From 2008-10-13
Ussuriysk Array Site A0B	USA0B	Primorskiy Kray,Russia	44.1999N	131.9887E	115	From 2008-10-13
Ussuriysk Array Site A1	USA1	Russia	44.2038N	131.9885E	105	From 2008-10-13
Ussuriysk Array Site A2	USA2	Russia	44.1970N	131.9953E	95	From 2008-10-13
Ussuriysk Array Site A3	USA3	Russia	44.1964N	131.9867E	115	From 2008-10-13
Ussuriysk Array Site B1	USB1	Russia	44.2163N	131.9915E	125	From 2008-10-13
Ussuriysk Array Site B2	USB2	Russia	44.1975N	132.0147E	85	From 2008-10-13
Ussuriysk Array Site B3	USB3	Russia	44.1827N	131.9996E	85	From 2008-10-13
Ussuriysk Array Site B4	USB4	Russia	44.1916N	131.9720E	85	From 2008-10-13
Ussuriysk Array Site B5	USB5	Russia	44.2105N	131.9710E	105	From 2008-10-13
USSURIYSK INFRASONIC ARRAY REFERENCE POINT	I45RU	Primorskiy Kray,Russia	44.1999N	131.9773E	150	From 2008-11-10
Ussuryisk	USK	Primorskiy Kray,Russia	44.2833N	132.0831E	0	
Ust'-Bol'sheretsk	UBL	Kamchatskaya Oblast'	52.8230N	156.2820E	57	From 2018-12-20
Ust'-Elegest	UER	Tyva,Russia	51.5630N	94.0870E	660	
Ustica	USI	Sicily,Italy	38.7079N	13.1791E	285	
Ust'-Kan	UKR	Altayskiy Kray,Russia	50.9370N	84.7730E	1100	
Ust'-Maya	USMR	Sakha,Russia	60.4200N	134.5400E	170	
Ust'-Nera	UNR	Sakha,Russia	64.5700N	143.2283E	485	
Ust'Nera (new)	UNR1	Sakha,Russia	64.5662N	143.2422E	485	From 1992-07-01
Ust'-Nyukzha	USZ	Amurskaya Oblast',Russia	56.5617N	121.5917E	415	
Ust'-Omchug	USO	Magadanskaya Oblast',Russia	61.1500N	149.6333E		
Ust' Urkima	UURS	Amurskaya Oblast',Russia	55.3100N	123.1600E	540	
Usu Kazan Kan	UVO	Iburi,Japan	42.5569N	140.8457E	143	
Usuki	JUS	Oita,Japan	33.0657N	131.7507E	140	
Utah State Capitol	CAPU	Utah,U.S.A.	40.7785N	111.8900W	1384	
UT at Arlington	FW11	Texas,U.S.A.	32.7227N	97.1279W	197	From 2016-10-20
UT at Dallas	FW05	Texas,U.S.A.	32.9887N	96.7471W	207	From 2016-11-16
UT Block 9, Goldsmith	228A	Texas,U.S.A.	32.1180N	102.5918W	954	From 2009-02-10 to 2010-12-08
Utesnoe	ZLDR	Sakhalinskaya Oblast',Russia	46.6520N	142.3630E	38	From 1989-06-22
Utesnoe	UTSR	Sakhalinskaya Oblast',Russia	46.6080N	143.0730E	162	From 1973-07-01 to 1992-03-10
Uthaitani	UTHA	Thailand	15.5586N	99.4451E	128	
Utla	UTL	Pakistan	34.2710N	72.6840E	1171	From 1973-08-23
Utowana Lake	UWL	New York,U.S.A.	43.8378N	74.5433W	561	From 1974-07-01 to 1981-12-31
Utrecht	NE05	Netherlands	52.0880N	5.1720E	2	From 1982-03-01 to 2001-08-21
Utsunomiya	UTSU	Tochigi,Japan	36.5470N	139.9170E	110	From 1962-02-01
Utsunomiya	UTS	Tochigi,Japan	36.5467N	139.8717E	120	
Uttaradit	UTTA	Thailand	17.7443N	100.5541E	62	
UTTARKASHI	UTK	India	30.7300N	78.4460E	1150	From 2018-03-27
Utuado, UPR, Puerto Rico	UUPR	Puerto Rico	18.2528N	66.7202W	201	From 2015-11-01
Utuhina	UTU	North Island,New Zealand	38.1766S	176.1938E	351	From 1986-07-10
Utukok River	C18K	Alaska,U.S.A.	68.6483N	161.1943W	845	From 2017-08-29
Utxeti	IUSE	Spain	42.9469N	1.5478W	870	From 2005-07-22
Uummannaq	UMMG	Greenland	70.6771N	52.1210W	25	From 2017-08-18
Uummannaq	UMM	Greenland	70.6770N	52.1250W	48	
Uvalde	632A	Texas,U.S.A.	29.5071N	99.7863W	420	From 2009-02-24 to 2011-01-21
Uvezbeli-DUZCE	UVEZ	Turkey	40.9040N	30.9032E	455	From 2019-12-18
Uvinza	UVZA	Tanzania,United Republic of Tanzania	5.1048S	30.3935E	994	
Uvira	UVI	Democratic Republic of the Congo	3.4000S	29.1167E	950	From 1955-01-01
Uvita	UVIT	Costa Rica	9.1474N	83.7101W	288	From 1999-09-16 to 1999-11-07
Uwa jima	UWA	Ehime,Japan	33.2250N	132.5580E	44	
Uwa jima 2	UWA2	Ehime,Japan	33.2137N	132.6245E	450	From 1993-02-01
Uwe@18kahuna Bluff	UWB	Hawaii,U.S.A.	19.4247N	155.2780W	1091	
Uwekahuna	UWE	Hawaii,U.S.A.	19.4211N	155.2930W	1240	From 1930-01-01
UXUV	UXUV	Chiapas	17.3180N	94.1458W	135	
Uyuni	UYUN	Bolivia	20.4619S	66.7469W	3936	From 1994-06-27 to 1995-05-04
Uzd	UZD	Hungary	46.5925N	18.5818E	207	From 1987-01-01 to 1993-12-31
Uzhgorod	UZH	Carpathian Mountains	48.6310N	22.2930E	160	
Uzhgorod	UZHM	Ukraine	48.6290N	22.2910E	120	
Uzumlu	UZU	Turkey	39.7086N	39.6981E	1500	
Uzumlu	EUZM	Turkey	39.7072N	39.6976E	1250	From 2008-01-01
Uzunkopru-Edirne	UKOP	Turkey	41.1288N	26.6323E	70	From 2013-09-11
Uzur	UZR	Irkutskaya Oblast'	53.3230N	107.7410E	480	From 2011-03-18
Uzuto	UZT	Hiroshima,Japan	34.5817N	133.1427E	230	
Uzynbulak	UZB	Kazakhstan	43.1470N	79.0220E	1560	From 2004-06-02
Vaagaholmen	VAGH	Norway	66.7303N	13.2705E	25	From 2019-03-14
Vaalwater,Limpopo Province	SHUDU	South Africa	24.3758S	28.1528E	1346	From 2017-06-19
VABM Dome	J17K	Alaska,U.S.A.	63.3965N	159.0777W	323	From 2017-06-18
Vacheresse	OG01	Rhone-Alpes,France	46.3300N	6.6830E	1040	
Vacheresse, 74286, Haute-Savoie, Auvergne-Rhone-Alpes	A173A	France	46.3296N	6.6808E	1030	From 2016-06-24
Vackov	VAC	Czech Republic	50.2345N	12.3763E	581	From 2000-08-30
Vackovec	VACK	Czech Republic	50.1414N	12.4727E	457	
Vadso	VADS	Norway	70.1202N	29.3605E	105	From 2016-10-01
Vaenersborg	VANU	Sweden	58.4921N	12.0727E	50	From 2006-07-26
Vaermlandsnaes	NASU	Sweden	58.9278N	13.1862E	50	From 2006-05-10
Vaestervik	VSTU	Sweden	57.6600N	16.5363E	30	From 2002-05-04
Vaexsjoe	VXJU	Sweden	56.9212N	14.9391E	190	From 2002-10-23
Vagar	FVA	Faeroe Islands	62.0757N	7.3520W		
Vahovce	A337A	Slovakia	48.2443N	17.7898E	117	From 2015-08-19
Vaihoa	VAH	Tuamotu,French Polynesia	15.2364S	147.6272W	2	
VAIN	VAIN	Costa Rica	9.7768N	85.0102W	60	From 1999-12-07 to 2000-06-17
Vairano Patenora	VAI24	Italy	41.3181N	14.1288E	211	From 2018-06-09
Vaisvydziai	VSVD	Lithuania	55.9810N	23.9298E	50	From 2017-05-07
Vaivara Sinimaed	EE04	Estonia	59.3740N	27.8750E	110	From 2015-05-21
Vajepar	VJP	Gujarat,India	23.5600N	70.5000E	6	From 2012-01-01
Vajont	VAJ	Italy	46.2667N	12.3300E	725	
Valaam	VALR	Karelia,Russia	61.3593N	30.8835E	39	From 2006-06-18
Valandovo	VAY	FYR Macedonia	41.3211N	22.5701E	168	From 1969-01-01
Valbona	VALM	Italy	44.3490N	10.2472E	790	From 1999-03-01
Valcebollere	VALC	Languedoc-Rousillon	42.3820N	2.0432E	1547	From 2015-07-13
Valcebollere	VALF	Languedoc-Rousillon,France	42.4018N	2.0173E	1580	From 1998-11-25
Valchedram	VALD	Bulgaria	43.6899N	23.4356E	93	From 2006-10-01
Val d'Aran	CARA	Spain	42.7076N	0.8181E	1627	From 2011-11-15
Valdeflores	VDF	Oaxaca,Mexico	16.7610N	96.8220W		
Val Des Bois	VABQ	Quebec,Canada	45.9047N	75.6079W	210	From 2010-11-29
Val-des-Bois,QC	VDBQ	Quebec,Canada	45.9277N	75.5697W	204	From 2010-06-24
Valdez	VLD	Alaska,U.S.A.	61.1175N	146.2640W	61	
Valdez	VLZ	Alaska,U.S.A.	61.1315N	146.3320W	10	From 1971-09-02
Valdez South	VZS	Alaska,U.S.A.	61.0442N	146.3050W	668	From 1972-07-22 to 1976-03-27
Valdez West	VZW	Alaska,U.S.A.	61.0590N	146.5540W	796	From 1972-07-17 to 1998-12-31
Valdichiascio	AA02	Italy	43.2655N	12.5751E	650	From 2011-02-08
Val di Lei	VDL	Switzerland	46.4832N	9.4496E	1927	From 1979-09-11
Valdivia	VLCH	Valdivia,Chile	39.8060S	73.2460W	12	
Valdivia	VLV	Valdivia,Chile	39.7900S	73.2764W	12	From 1967-08-01
Val d'Or	VLDQ	Quebec,Canada	48.1124N	77.4536W	93	
Val d'Or	VALQ	Quebec,Canada	48.1290N	77.5610W	245	
Val d'Or	VDQ	Quebec,Canada	48.2300N	77.9717W	305	From 1980-12-09
Valea Ierii	VLR	Romania	46.6542N	23.3547E	1080	From 1982-09-01 to 1989-01-01
Valencia Peak Digital	VPDC	California,U.S.A.	35.2399N	120.8690W	435	
Valenii de munte	VLM1	Romania	45.1869N	26.0392E	357	From 2015-10-07
Valentia	VAL	Ireland	51.9394N	10.2442W	14	From 1962-10-23
Valfabbrica	VLFB	Italy	43.1594N	12.5964E	302	From 2019-03-05
Valguarnera	VAE	Sicily,Italy	37.4783N	14.4119E	690	
Valinhos	VAO	Sao Paulo,Brazil	23.0022S	46.9658W	840	
Valkenburg	VKB	Netherlands	50.8669N	5.7847E	90	From 1996-09-10
Valkenburg	NE15	Netherlands	50.8670N	5.7850E	100	From 1984-06-01 to 2001-07-28
Valle Agricola	VAGA	Italy	41.4154N	14.2342E	795	From 2005-03-15
Valle Caidos	NE12	Spain	40.6420N	4.1550W	1280	From 1983-05-01 to 1985-02-28
Vallecito	CVLM	California,U.S.A.	37.6263N	121.8360W	245	From 1979-11-14
Valle Cupa	SF03	Italy	42.8028N	11.6856E	712	From 2016-03-19
Valle de Anton	VANT3	Panama	8.6027N	80.1287W	279	
Valle de Chalco	VCVM	Mexico D.F.,Mexico	19.2980N	98.9545W	2224	From 2008-02-07
Valle de Guanape	GUAN	Venezuela	9.9575N	65.6478W	1107	From 1984-01-01
Valle De La Trinidad	VTX	Baja California	31.3914N	115.7840W	750	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Valle D.L. Mare	JVM	Channel Islands,United Kingdom	49.2169N	2.2068W	64	From 1981-01-01
Valle d'Ocre (Ocre)	T0105	Italy	42.3109N	13.4629E	685	From 2009-04-08 to 2009-11-26
Valledupar, Cesar	CVALL	Colombia	10.5080N	73.2580W	354	From 2010-06-05
Valle Exploradores	AY02	Chile	46.4839S	73.1947W	75	From 2015-05-08
Valle Fertil	AVFE	La Rioja,Argentina	30.6593S	67.4558W	910	
Valle Grande	BS08	Bolivia	18.4970S	64.1122W	2151	From 2011-11-21
Vallenar	VACH	Coquimbo,Chile	28.5755S	70.7588W	410	
Valle Quemado	ALF2	Colombia	4.8688N	75.3402W	4760	
Valles ARPAV	VALS	Italy	43.3388N	11.8017E	2086	From 2015-07-01
Valley Desolation	DVDT	Dominica	15.3104N	61.3134W	960	
Valley Falls	K06A	Oregon,U.S.A.	42.7991N	120.2510W	1340	From 2006-01-29 to 2007-11-03
Valleyhaven Way San Jose	C054	California,U.S.A.	37.2712N	121.8244W	57	From 2011-03-10
Valley Oaks Golf Course, Visalia	VOG	California,U.S.A.	36.3210N	119.3823W	90	From 2011-05-26
Valley of Fire, Overton	U12A	Nevada,U.S.A.	36.4321N	114.5388W	644	From 2006-06-21 to 2008-10-11
Valley Road Site	AVRM	California,U.S.A.	39.0248N	121.2680W	91	From 1976-07-15
Valley View	GVV	California,U.S.A.	39.7751N	122.6755W	1457	
Vallo di Nera, Frazione Meggiano (PG)	T1215	Italy	42.8019N	12.8685E	694	From 2016-08-25 to 2017-03-15
Valmikinagar	VLK	India	27.3167N	83.8667E		
Val Nalps	NALPS	Switzerland	46.5951N	8.7483E	2296	From 2011-11-02
Valnes	NBB28	Norway	67.1909N	14.4622E	45	From 2013-08-01 to 2016-06-01
Val Noana	DNOA	Italy	46.1377N	11.8397E	1034	From 2018-11-28
Valparaiso	UTF	Valparaiso,Chile	33.0350S	71.6042W	50	
Valparaiso	VLP	Valparaiso,Chile	33.0258S	71.6411W	88	From 1973-01-01
Valsamata	VLS	Greece	38.1772N	20.5897E	375	
Val Schener	DVSC	Italia	46.1053N	11.7706E	560	From 2016-12-15
Valverde	EVAL	Spain	37.5842N	6.7475W	295	From 1985-03-01
Valverde	VVD	Canary Islands,Spain	27.8074N	17.9112W	540	From 1973-09-01 to 1985-02-28
Valverde	CVVD	Canary Islands,Spain	27.8208N	17.9361W	450	From 1985-02-01 to 1993-10-31
Valvigneres, 07332, Ardeche, Auvergne-Rhone-Alpes	A192A	France	44.5069N	4.5869E	249	From 2016-04-07
Valyra	VALY	Greece	37.1641N	21.9836E	24	From 2019-06-07
Vamos	VAM	Crete,Greece	35.4069N	24.1997E	225	
Van	TVAN	Turkey	38.5286N	43.4061E	2008	From 2001-10-18
Van	VANB	Turkey	38.5950N	43.3890E	1227	
Van	VANT	Turkey	38.4210N	43.2653E	1750	From 1994-01-22
Van	VNT	Turkey	38.5169N	43.3844E	1804	From 1979-12-01 to 1999-08-25
Vanadzor	VANZ	Armenia	40.7910N	44.5280E	1200	
Vanand	VNNZ	Armenia	40.1030N	43.8230E	1020	
Van Buren	T42A	Missouri,U.S.A.	37.0301N	91.0927W	162	From 2011-08-14 to 2013-03-20
Vanda	VNDA	Victoria Land	77.5172S	161.8528E	121	From 1986-12-04
Vanda	VND	Victoria Land	77.5239S	161.6720E	150	From 1969-01-12 to 1971-02-01
Vandellos 2	VAN2	Spain	40.9531N	0.8266E	180	
Vanderhoof	SULB	British Columbia,Canada	53.2786N	124.3576W	1171	From 2006-09-05
Van Goodin Ranch	OGOM	California,U.S.A.	39.6537N	121.6120W	158	From 1976-12-28
Van Hill	VHTN	Tennessee,U.S.A.	36.3990N	82.8021W	630	From 1986-01-14
Van Horn	VHRN	Texas,U.S.A.	30.7866N	104.9852W	1342	From 2017-02-01
Vanikum	BA16	Nordrhein-Westfalen,Germany	51.0301N	6.6616E	81	From 2006-10-01
Van Inlet	VIB	British Columbia,Canada	53.2522N	132.5410W	1008	From 1985-09-01
VAN INLET T-PHASE SITE N1	H02N1	British Columbia,Canada	53.2519N	132.5419W	989	From 2006-11-20
Vanino	VNNR	Khabarovskiy Kray	49.0910N	140.2550E	90	From 2009-09-25
Vanj	VANJ	Tajikistan	38.3747N	71.4686E	3022	From 2010-04-07
Van-Muradiye	VMUR	Turkey	38.9894N	43.5716E	1717	From 2010-11-29
Vannovskaya	VAN	Turkmenistan	37.9480N	58.1080E	580	
Van, Ozalp-Merkez	OZAP	Turkey	38.6614N	43.9928E	2058	From 2014-11-27
Vantage	VTG	Washington,U.S.A.	46.9579N	119.9885W	208	From 1970-07-01 to 2009-04-05
Vantage 2	VT2	Washington,U.S.A.	46.9672N	120.0003W	385	
Vanua Lava	VLN	Vanuatu	13.8867S	167.5420E	18	From 1975-11-20
Vaqueiros	PVAQ	Portugal	37.4037N	7.7173W	193	From 2006-12-23
Vara Blanca	VBL1	Costa Rica	10.1618N	84.1585W	1924	
Varagna	VARA	Italy	45.8260N	10.8965E	1735	From 2012-11-19
Varamin	IVRN	Iran	34.9954N	51.7273E	855	From 1996-01-01
Varanasi	VAR	Uttar Pradesh,India	25.3000N	83.0167E	88	
Varash	RNPP8	Ukraine	51.3362N	25.8548E	172	
Vr,y	N2VA	Norway	67.6638N	12.6935E	5	From 2013-08-01 to 2016-05-30
Vardanashen	VRNZ	Armenia	40.0490N	44.1910E	841	
Vardenis	VADZ	Armenia	40.1720N	45.7450E	2000	From 1983-01-01
Vardenis	VRD	Armenia	40.2200N	45.7000E	1930	
Vardenisi	VAD	Georgia,Georgia	40.1900N	45.7300E	530	
Vardzia	VRZG	Georgia,Georgia	41.3745N	43.2721E	1260	From 2003-01-01
Varese	VARE	Italy	45.8677N	8.7700E	1219	From 2009-10-07
Varese	VAI	Italy	45.8674N	8.7684E	1150	
Varian Well	VARB	California,U.S.A.	35.9261N	120.4471W	-61	
Varlezi	VARL	Romania	45.8996N	27.8487E	123	From 2013-11-19
Varmlds Nysat	VNY	Sweden	59.4040N	12.4820E	229	From 1980-01-01 to 1991-12-31
Varnville	VSC	South Carolina,U.S.A.	32.8792N	81.0500W	30	From 1974-05-20 to 1979-10-15
Varnville	VRN	South Carolina,U.S.A.	33.0375N	80.9417W	30	From 1979-10-15
Varrio	VRF	Finland	67.7480N	29.6090E	350	From 2007-10-01
Vartholomio	VAR2	Greece	37.8638N	21.2073E	41	From 2002-01-02
Varto	VRT	Turkey	39.1310N	41.5290E	1930	
Varto-Mus	VRTB	Turkey	39.1603N	41.4558E	1500	From 2008-11-20
Varzaqan	TVRZ	Iran	38.5042N	46.6675E	1693	
Vashlovani	VSHL	Georgia	41.2302N	46.3998E	602	From 2017-06-10
Vashon High School SMO	VVHS	Washington,U.S.A.	47.4235N	122.4549W	95	From 2001-09-20
VASILIKIADES	VSK1	Greece	38.4090N	20.5640E	315	From 2012-10-01
Vaslui	VASR	Romania	46.6415N	27.7911E	275	From 2013-11-19
Vaslui	VLS2	Romania	46.6383N	27.7312E	120	From 2015-09-15
Vassijaure	VAS	Sweden	68.4167N	18.1833E	469	
Vassilika	VSL1	Greece	40.4792N	23.1360E	56	From 2008-09-30
Vassilikiades, Cephalinia Isl.	VSK2	Greece	38.4091N	20.5640E	303	From 2012-09-01
Vassiliki, Lefkas Island	VAS2	Greece	38.6304N	20.6081E	2	From 2011-06-01
Vassouras	VASS	Rio de Janeiro,Brazil	22.3994S	43.6522W	448	From 1988-01-01
Vassouras-RJ	VAS01	Rio de Janeiro,Brazil	22.2801S	43.4426W	402	From 2011-01-30
Vassurany	A260A	Hungary	47.2834N	16.7056E	243	From 2016-01-26
Vasula	VSU	Estonia	58.4620N	26.7347E	63	
Vathi Samos	SMG1	Greece	37.7535N	26.9779E	20	From 2004-06-30
Vatnsfell	IVAT	Iceland	64.1870N	18.9180W	573	From 1998-04-20
Vatovaky	VTY	Madagascar	19.0759S	47.5386E	1423	From 1973-01-01
Vava'u	VAVA	Tonga	18.6640S	173.9770W	5	
Vayda Guba	PRVG	Murmanskaya Oblast'	69.7461N	32.1830E	180	
Vayk	VAYK	Armenia	39.6949N	45.4260E	1116	
Vaz, Muldain	SVAM	Switzerland	46.6934N	9.5260E	1273	From 1991-11-23
Vda. El Buco, CENE	CENEC	Colombia	2.8990N	76.0302W	4440	
Vda. Josepe, COND	CONDC	Colombia	1.1938N	77.3925W	4000	
Vda. Mambiloma	SOSO	Colombia	2.1167N	76.6178W	4060	
Veano	VEA	Italy	44.8893N	9.6190E	0	From 1982-01-01 to 2004-12-31
Veberod	VEB	Sweden	55.5990N	13.5160E	116	From 1980-01-01 to 1991-12-31
Veblen	F32A	South Dakota,U.S.A.	45.8705N	97.1264W	371	From 2010-10-24 to 2012-07-22
Vedder Mountain	VDEB	British Columbia	49.0570N	122.0571W	349	From 2018-12-21
Vedder Mountain	VDB	British Columbia,Canada	49.0261N	122.1030W	404	From 1983-01-04
Vedeno	DVE	Chechnya,Russia	42.9569N	46.1261E	800	From 2011-07-01
Vedriano (Canossa) - RE	RE03	Italy	44.5240N	10.3938E	545	From 2008-12-28 to 2009-02-12
Vega	W28A	Texas,U.S.A.	35.2574N	102.2063W	1156	From 2009-01-20 to 2010-11-14
Veis	IVIS	Iran	34.5264N	46.8496E	1135	From 2004-01-01
Veitongo, Tongo	NUKU	Tonga	21.1839S	175.2094W	9	
Velasquez	VLG	Guatemala	14.2405N	91.0077W	212	From 1980-07-01 to 1987-11-30
Velbert-Hespertal	HES	Germany	51.3670N	7.0420E	127	From 2008-10-01
Velez Rubio	VELZ	Spain	37.5838N	1.9880W	1000	
Veliai	VLI	Greece	36.7182N	22.9370E	220	From 1989-06-01
Veliko Turnovo	VETAM	Bulgaria	43.0805N	25.6367E	224	From 2012-11-20
Velka Javorina	JAVC	Czech Republic	48.8591N	17.6707E	827	
Vena	EVNA	Sicily,Italy	37.7958N	15.1402E	700	From 1994-10-01
Venafro	VNF1	Italy	41.4805N	14.0501E	231	From 2015-11-17
Venator	VT-OR	Oregon,U.S.A.	43.1136N	118.4147W	1341	From 1962-01-16 to 1962-05-21
Venator	VT-	Oregon,U.S.A.	43.1136N	118.4147W	1341	From 1962-01-16 to 1962-05-21
Venebrugge	VBG	Netherlands	52.5447N	6.6704E	11	
Venebrugge (Bruchterveld)	VBG3	Netherlands	52.5440N	6.6693E	-131	From 2010-09-01
Venebrugge (Bruchterveld)	VBG4	Netherlands	52.5440N	6.6693E	-181	From 2010-09-01
Venebrugge (Bruchterveld)	VBG1	Netherlands	52.5440N	6.6693E	-31	From 2010-09-01
Venebrugge (Bruchterveld)	VBG2	Netherlands	52.5440N	6.6693E	-81	From 2010-09-01
Venecia	VENE	Costa Rica	10.3658N	84.2748W	380	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Venezia Lido	VENL	Italy	45.4167N	12.3771E	4	From 2014-06-10
Veniaminof	BPBCA	Alaska,U.S.A.	56.5897N	158.4526W	584	
Veniaminof 1	VNHG	Alaska,U.S.A.	56.2211N	159.1642W	966	
Veniaminof 3	VNNF	Alaska,U.S.A.	56.2837N	159.3160W	1153	
Veniaminof 5	VNKR	Alaska,U.S.A.	56.0312N	159.3678W	620	
Veniaminof 6	VNSG	Alaska,U.S.A.	56.1258N	159.0854W	761	
Veniaminof 7	VNSW	Alaska,U.S.A.	56.0719N	159.5585W	716	
Veniaminof 8	VNSS	Alaska,U.S.A.	56.2267N	159.4548W	1733	
Veniaminof 8	VNWF	Alaska,U.S.A.	56.1517N	159.5622W	1095	
Venice	VEN	Italy	45.4333N	12.3333E	1	
Venje	A252A	Croatia	45.4356N	17.8482E	412	From 2015-11-27
Venslev, Denmark	VEND	Denmark	55.2550N	11.4570E	16	From 2019-08-10
VENTE CASAS, SO DE CAMARONES	EC02	Ecuador	0.9837N	79.5721W	169	From 2016-05-12
Ventisquero	VNTQ	Patagonia	42.8814S	72.4551W	457	From 2010-01-01
Ventotene	VENT	Italy	40.7947N	13.4217E	110	
Venus	FW12	Texas,U.S.A.	32.4991N	97.1486W	203	From 2016-09-22
Venustiano Carranza, BMA	BMAMX	Baja California	32.1733N	116.8983W	83	
Venzolasca, 2B343, Haute-Corse, Corse	A209A	France	42.5041N	9.4944E	20	From 2016-09-15
Vera	EXVE	Spain	37.2420N	1.8570W	89	
Vera, Almera	EXVE2	Spain	37.2522N	1.8705W	102	From 2013-01-01
Veracruz	FARM	Veracruz,Mexico	19.6260N	96.3930W		
Veracruz	POHV	Veracruz,Mexico	19.0688N	97.2803W	4150	From 1999-01-01
Veracruz	LVMM	Veracruz,Mexico	19.6014N	96.3955W	160	
Veracruz	LIMM	Veracruz,Mexico	19.6803N	96.5281W	200	
Veracruz	CAMM	Veracruz,Mexico	19.5880N	96.4600W	190	
Veracruz	VCM	Veracruz,Mexico	19.2006N	96.1378W	3	
Veracruz	VEX	Baja California,Mexico	32.3612N	115.1050W		From 1981-10-21 to 1987-04-10
Veracruz	VER	Nicaragua	12.0897N	86.1712W	140	From 1977-01-01 to 1983-12-31
Veracruz	MANM	Veracruz,Mexico	19.5900N	96.4167W	2	
Veraguas	STCAT	Panama	7.6360N	81.2470W	30	From 2010-01-01
Vera Road	VRZ	North Island,New Zealand	39.1243S	174.7585E	166	From 2003-11-26
Verbania	VRB	Italy	45.9318N	8.5589E	268	From 2012-10-03
Verbania, Casa dell Alpino - Cicogna	A288A	Italy	46.0082N	8.4818E	1306	From 2015-09-06
Verbena	VERB	Costa Rica,Costa Rica	9.9447N	83.6950W	1161	
Vercelli	VRCL	Italy	45.3010N	8.4117E	127	From 2019-07-31
Verde Repeater	VRDI	Alaska,U.S.A.	61.2280N	143.4524W	1880	
Verdigre	K32A	Nebraska,U.S.A.	42.6597N	97.9723W	512	From 2010-07-19 to 2012-04-27
Verdin	DIAE	Colombia	2.9778N	76.0645W	4000	
Verdin	VR2	Colombia	2.9723N	76.0353W	4544	
Verdin	VERD	Colombia	2.9577N	76.0240W	4350	
Verdi Peak	VPK	California,U.S.A.	39.4747N	120.0370W	2469	
Verdizela	PVERD	Portugal	38.7761N	9.3690W	71	From 2015-09-30
Verghereto (FC)	PR01	Italy	43.8481N	12.0606E	627	From 2011-05-25
Vergina	VERN	Greece	40.4859N	22.3217E	120	
Verhnyaya Amga	YVAM	Sakha,Russia	59.6409N	127.1227E	275	From 2011-06-17
Veris	VERG	Georgia,Georgia	41.7097N	44.7893E	420	From 2003-01-01
Veris	VRZT	Georgia,Georgia	41.7094N	44.7886E	450	From 2003-01-01
Verkh-Chumysh, Kuzbass, Russia	VCHU	Kemerovskaya Oblast'	53.9550N	86.4420E	349	From 2015-06-17
Verkhnechusovskiye Gorodki	PR0R	Permskiy Kray,Russia	58.1990N	57.1407E	121	From 2003-10-23
Verkhne-Kamchatsk	VEK	Kamchatskaya Oblast',Russia	54.6270N	158.4730E	160	
Verkhnyaya Baza	VEH	Kemerovskaya Oblast',Russia	53.2530N	90.3180E	1200	
Vermontville	K47A	Michigan,U.S.A.	42.6704N	84.9993W	275	From 2012-09-10
Vern	NYV	Nevada,U.S.A.	37.1128N	115.9900W	1442	From 1971-01-01 to 1973-01-31
Vernal	VN-UT	Utah,U.S.A.	40.5086N	109.5792W	1768	From 1961-10-20 to 1962-06-01
Vernal	VN-	Utah,U.S.A.	40.5086N	109.5792W	1768	From 1961-10-20 to 1962-06-01
Vernal	VLU	Utah,U.S.A.	40.4464N	109.5150W	1605	
Vernal	VNL	Utah,U.S.A.	40.4581N	109.5482W	1648	From 2005-10-25
Vernal Corners	VCS	New York,U.S.A.	42.8578N	78.1997W	488	
Verneugheol	VERF	Limousin,France	45.7495N	2.4838E	776	
Vernon	451A	Florida,U.S.A.	30.6160N	85.7467W	20	From 2012-02-03
Vernon-Luthman Wildlife Area	VLOH	Ohio	40.3227N	84.2431W	304	From 2019-07-23 to 2500-12-31
Veroia	VER1	Greece	40.5266N	22.2071E	120	From 2008-09-30
Verona	VRNA	Italy	45.4262N	10.9922E	110	From 2019-02-21
Verona	VVMR	Italy	45.4709N	10.9938E	219	From 2010-10-10
Verrico (Montereale)	RM29	Italy	42.5606N	13.2023E	1276	From 2009-09-25 to 2010-03-03
Vertessomio	VSOM	Hungary	47.5066N	18.3757E	150	
Veseth Ranch, Zortman	C20A	Montana,U.S.A.	47.7133N	108.0042W	781	From 2008-08-24 to 2011-01-13
Vestal, Richgrove	VES	California,U.S.A.	35.8409N	119.0847W	154	From 1999-09-30
Vestmannaeyjar	IVEY	Iceland	63.4194N	20.2754W	154	From 2017-10-26
Vestmannaeyjar	IVME	Iceland	63.4270N	20.2939W	76	From 2012-10-12
Vestmannaeyjar	IVES	Iceland	63.4430N	20.2870W	55	From 2000-12-29
Vesuviano	OVO	Italy	40.8267N	14.3978E	606	From 1974-12-01
Vesuviano	OV1	Italy	40.8267N	14.3978E	606	From 1974-12-01
Vesuvio Array Permanente	VARP	Italy	40.8164N	14.4098E	661	From 2009-02-09
Vesuvio Bunker Est, Vesuvio (NA), Italy	VBKE	Italy	40.8178N	14.4388E	863	From 1992-02-01
Vesuvio Bunker Nord	VBKN	Italy	40.8300N	14.4299E	951	From 2009-05-11
Vesuvio Cratere Est	VCRE	Italy	40.8190N	14.4314E	1125	From 2008-10-15
Vesuvio Cratere Nord Est (NA) Italy	VCNE	Italy	40.8266N	14.4340E	942	From 2014-11-19
Vesuvio Istituto Enea Portici (NA) Italy	VEPO	Italy	40.8047N	14.3367E	2	From 2016-09-11
Vesuvio Pollena, Pollena Trocchia (NA), Italy	VPOB	Italy	40.8522N	14.3833E	170	From 2004-07-09
Vesuvio Pompei Porta Vesuvio, Pompei (NA), Italy	VPPV	Italy	40.7535N	14.4836E	29	From 2004-03-02
Vesuvio Pozzo Sede storica Osservatorio Vesuviano (NA) Italy	VOVO	Italy	40.8283N	14.3956E	393	From 2015-03-11
Vesuvio San Sebastiano, San Sebastiano al Vesuvio (NA), Italy	VSSB	Italy	40.8412N	14.3705E	175	From 1993-02-01
Vesuvio Terzigno, Terzigno (NA), Italy	VTRZ	Italy	40.8070N	14.4753E	175	From 1994-08-01
Vesuvio Tirone	VTIR	Italy	40.8059N	14.4243E	608	From 2009-06-19
Vesuvio, Torre del Greco (NA), Italy	VTDG	Italy	40.8058N	14.3922E	300	From 2016-06-07
Vesuvio Valle Del Gigante	VVDG	Italy	40.8356N	14.4238E	879	From 2009-09-07
Vesyoloye	VSLR	Krasnodarskiy Kray	43.4612N	40.0324E	340	From 2014-10-27
Veterans Administration Hospital	CVAL	California,U.S.A.	37.6183N	121.7582W	201	From 1981-02-10
Vtroz, Le Botza, VS	VET03	Switzerland	46.2091N	7.2790E	478	From 2018-07-13
Vtroz, Route Cantonale, VS	VET01	Switzerland	46.2225N	7.2690E	487	From 2018-07-13
Vtroz, Route de la Bourgeoisie, VS	VET02	Switzerland	46.2178N	7.2727E	482	From 2018-07-13
Vettahaugen	N1R1	Norway	66.2070N	13.7410E	690	
Veturah	VPOTO	Vanuatu	15.8889S	167.2541E	23	
Vevey Jardin du Rivage, VD	SVEJ	Switzerland	46.4596N	6.8395E	373	From 2016-06-01
Vezirkopru	VEZ	Turkey	41.1305N	35.4627E	387	From 1976-09-01
Via Corta San Lorenzo	C071	California,U.S.A.	37.6821N	122.1332W	1	From 2013-04-29
Vialonga--Serves	PSRV	Portugal	38.8932N	9.0896W	345	
Vianden	LVIA	Luxembourg	49.9351N	6.2025E	252	From 1990-06-27
Viano (RE)	A306A	Franche Comte	44.5359N	10.5961E	462	From 2015-11-04
Vianos	EVIA	Spain	38.6386N	2.5025W	1110	From 1985-11-01 to 2011-12-31
Vibo Valentia	VBL2	Italy	38.6707N	16.1082E	535	From 2013-07-25
Vicchio	VMG	Italy	43.9617N	11.5439E	450	
Vicenza	VCNZ	Italy	45.5270N	11.5894E	80	From 2019-02-21
Vickery Place, Crowley	135A	Texas,U.S.A.	32.5573N	97.4099W	270	From 2009-11-13 to 2011-09-08
Vicksburg	VBMS	Mississippi,U.S.A.	32.2185N	90.5177W	16	From 2007-04-26
Victor	R54A	West Virginia,U.S.A.	38.1809N	80.9904W	512	From 2013-01-12
Victor	E13A	Montana,U.S.A.	46.4423N	114.1880W	1257	From 2006-10-11 to 2009-06-11
Victor	VCMT	Montana,U.S.A.	46.4425N	114.1872W	1254	
Victoria	VICT	El Salvador	13.9596N	88.6384W	993	From 2013-01-18
Victoria	VIC	British Columbia,Canada	48.5194N	123.4150W	197	From 1898-01-01 to 1978-03-29
Victoria	VCT	Romania	45.7250N	24.7010E	565	From 1989-04-01
Victor Mine	VIMO	Ontario,Canada	52.8173N	83.7449W	78	
Victorville	VTV	California,U.S.A.	34.5606N	117.3296W	812	From 1993-04-16
Vida	C22A	Montana,U.S.A.	47.7456N	105.8841W	745	From 2008-09-07 to 2011-01-13
Vidalia	343A	Louisiana,U.S.A.	31.2839N	91.6169W	15	From 2011-02-24 to 2012-11-30
Vidin	PLVAM	Bulgaria	43.9523N	22.8502E	88	From 2012-11-20
Vidor	540A	Texas,U.S.A.	30.2093N	93.9796W	10	From 2010-05-23 to 2011-12-07
Vielha	VIH	Spain	42.6288N	0.7700E	1700	From 1986-01-01 to 2003-12-31
Vielha - Casau	VIER	Spain	42.7065N	0.7863E	1116	From 2002-07-04
Vielha - Hospitau	VIES	Spain	42.7016N	0.7969E	986	From 2004-10-22
Vielle Casse Police Station	DVCT	Dominica	15.6144N	61.4061W	0	From 2004-09-18
Vienna	VIE	Austria	48.2483N	16.3617E	198	
Vienna	VKA	Austria	48.2650N	16.3183E	400	
Vieques	VQS	Puerto Rico	18.1467N	65.4483W	20	From 1903-09-01 to 1924-12-31
Viesci	RM23	Italy	42.5797N	13.0316E	942	From 2009-04-10 to 2009-06-18
Vietri Di Potenza	VDP3	Italy	40.6052N	15.5721E	959	
Vieux Emosson	EMV	Switzerland	46.0632N	6.8988E	2210	From 1981-11-18
Viey	VIEF	Midi-Pyrenees,France	42.8837N	0.0237E	1000	From 1996-10-24

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Vigarano Mainarda (FE)	CAS02	Italy	44.8360N	11.4834E	5	From 2012-05-23
Vigarano Mainarda (FE)	CAS06	Italy	44.8203N	11.4918E	15	From 2012-05-24
Vigarano Pieve (FE) fraz. Diamantina	CAS04	Italy	44.8805N	11.5269E	14	From 2012-05-23
Viggianello (PZ)	T0701	Italy	39.9862N	16.1161E	881	From 2012-05-25
Viggiano	VIGE	Italy	40.3353N	15.9000E	800	
Viggiano	BVIG	Italy	40.3359N	15.9020E	849	From 2008-01-26
Viggiano (Prot.Civ.Gr.Lucano)	VGG3	Italy	40.3360N	15.9010E	882	
Viggiano (PZ)	AG11	Italy	40.3324N	15.9521E	909	From 2005-05-10 to 2017-03-27
Vihanti	OBF5	Finland	64.4000N	25.3000E	80	From 2013-08-01
Vijayawada	VJD	Andhra Pradesh,India	16.5167N	80.6500E		
Vik	VIK	Iceland	63.4217N	19.1000W	19	
Vikbolandet	VIKU	Sweden	58.5017N	16.6992E	100	From 2002-02-05
Vikkela, Lumijoki	OBF4	Finland	64.8136N	25.1029E	40	From 2013-05-13
Vila Bela da Santissima Trindade	VBST	Mato Grosso	14.5330S	60.0153W	235	From 2016-05-07
Vila Bisbo	PFVI	Portugal	37.1328N	8.8268W	189	From 1996-01-01
Vilada	VILA	Spain	42.1363N	1.8913E	400	
Vila do Porto, Ilha de Santa Mara, Portugal	VPORT	Azores	36.9859N	25.1261W	297	From 2017-01-01
Vilaflor	CVIL	Canary Islands	28.1593N	16.6425W	1489	From 2016-11-08
Vilaflor (Tenerife)	CLAJ	Canary Islands	28.1557N	16.6750W	1400	From 2018-03-12
Vila Franca	VIF	Azores,Portugal	37.7448N	25.4397W	647	From 1981-01-01
Vila Franca de Xira	PVFX	Portugal	38.9528N	8.9891W	9	From 2016-06-03
Vila Nova	PVNV	Azores,Portugal	38.7619N	27.1559W	150	From 2003-03-01
Vila Real	PVRL	Portugal	41.2756N	7.7161W	660	From 1995-06-01
Vilhena	VILB	Rondonia,Brazil	12.9528S	60.2002W	434	From 2014-03-30
Vilia, Western Attica	VIL1	Greece	38.1650N	23.3268E	532	From 2008-11-27
Villa Angela Chaco Argentina	VACA	Salta	27.6393S	60.7032W	83	From 2016-12-11
Villa Arriage, A3870	M3870	Mozambique	19.8632S	34.4667E	32	
Villa Bonita	RVLA	Costa Rica,Costa Rica	10.1090N	83.5880W	74	
Villa Celiera	VCEL	Italy	42.3946N	13.8406E	1185	From 2004-05-11
Villacollemandina	VLC	Italy	44.1594N	10.3864E	555	
Villa de Garcia	VNM	Nuevo Leon,Mexico	25.8433N	100.5942W		From 1989-12-01
Villa del Rosario	VIRV	Venezuela	10.5030N	72.4060W	157	From 2001-08-31
Villa de Mazo, La Palma	CMAZ	Canary Islands	28.6198N	17.7786W	405	From 2017-11-10
Villa de Mazo, La Palma	CVIE	Canary Islands	28.5921N	17.8226W	1500	From 2017-10-10
Villa di Villa	VVI	Italy	45.9819N	12.4281E	100	From 1987-06-10
Villa Eilenroc - Antibes	EILF	France	43.5480N	7.1310E	30	From 2011-04-08
Villa El Salvador	PP09	Peru	12.2133S	76.9367W	100	
Villa Florida	CPUP	Paraguay	26.3306S	57.3292W	105	From 1994-07-21
VILLA FLORIDA INFRASONIC ARRAY REFERENCE POINT	I41PY	Paraguay	26.3423S	57.3119W	164	From 2003-03-19
Villa Grajales	VGM	Puebla,Mexico	19.2500N	97.7833W		
Villahermosa	VHSA	Tabasco	17.9825N	92.9388W	22	
Villalba de Calatrava	E041	Spain	38.6500N	3.6572W	830	
Villa los Angeles	E051	Spain	38.9925N	3.6715W	687	
Villa Maderas	MADN	Nicaragua	11.4083N	85.5333W	50	
Villamaria, Caldas	RECRC	Colombia	4.9604N	75.3525W	4136	From 2013-05-17
Villa Marinero	VMO	Oaxaca,Mexico	15.8512N	97.0638W	3	
Villa Mercy	VIL	Maryland,U.S.A.	39.0209N	77.1887W		
Villanova	VINO	Italy	46.2564N	13.2814E	608	
Villa Nueva	BS04	Bolivia	20.0563S	65.3427W	3323	From 2011-09-01
Villanueva de San Juan (Sevilla)	UMV12	Spain	37.0481N	5.1782W	510	From 2019-10-14
Villa O'Higgins	GO08	Chile	48.4648S	72.5566W	300	
Villa Park Dam	VPD	California,U.S.A.	33.8160N	117.7620W	183	From 1971-06-07
Villa Poma (MN)	MIR05	Italy	44.9808N	11.1072E	15	From 2012-05-23
Villa Reale - Cassolnovo	A286A	Italy	45.3660N	8.8338E	170	From 2015-09-07
Villaroger	OG12	Rhone-Alpes,France	45.5375N	6.9053E	1550	From 1993-11-12
Villasalto	VSL	Sardinia,Italy	39.4960N	9.3780E	370	
Villa Sara, Treinta y Tres	VSTT	Uruguay	33.2620S	54.4870W	56	From 2017-09-30
Villa Vallelonga	VVLD	Italy	41.8710N	13.6220E	1005	
Villavicencio, Colombia	VILC	Colombia	4.1120N	73.6935W	1109	From 2011-02-01
Villaviciosa de Cordoba, Cordoba	E021	Spain	38.0057N	4.9163W	609	From 2007-09-15 to 2009-06-17
Ville-en-Selve	VILS	France	49.1225N	4.0867E		
Villefranche	VDCF	Languedoc-Rousillon,France	42.5908N	2.3656E	600	From 1989-01-01 to 1999-07-13
Ville Marie	VMC	Quebec,Canada	47.3167N	79.4500W		
Villemus	VILF	Provence-Cote d'Azur,France	43.8525N	5.7153E	770	
Villeneuve d'Entraunes	OG30	Rhone-Alpes,France	44.1095N	6.7775E	1350	From 1992-01-08 to 2016-12-02
Villia	S022	Greece	38.1740N	23.3700E	526	
Villia	VILL	Greece	38.1642N	23.3122E	650	From 2009-10-12
Villiers-Adam	NE07	Ile-de-France,France	49.0743N	2.2318E	70	From 1983-11-01
Villiers-Adam	VDM	Ile-de-France,France	49.0743N	2.2318E	70	From 1983-11-01
Villigen, Paul Scherrer Institut AG	SFEL	Switzerland	47.5338N	8.2304E	343	From 2015-12-01
VIMA	VIMA	Costa Rica	10.1430N	85.6302W	969	From 1999-12-08 to 2000-05-12
Vimmerby	VIM	Sweden	57.7880N	16.0020E	151	From 1980-01-01
VIN	CVIN	Baja California	31.5725N	115.7703W	1048	
Vina, CA USA	AONC	California	39.9370N	122.0607W	64	From 2020-01-01
Vinca	VINC	Italy	44.1412N	10.1522E	737	From 1994-04-01 to 1999-12-31
Vinchiaturo	VNCH	Italy	41.2967N	14.3516E	635	From 2019-09-25
Vinchina	VCA	La Rioja,Argentina	28.7363S	68.2056W	1500	From 1973-04-01
Vineyard	BVYM	California,U.S.A.	36.7493N	121.4130W	585	From 1975-12-11
Vineyard	VIN	California,U.S.A.	36.7500N	121.3850W	330	From 1959-02-03 to 1966-03-09
Vineyard Canyon	VCAB	California,U.S.A.	35.9216N	120.5339W	555	
Vineyard Canyon	PVCM	California,U.S.A.	35.9221N	120.5350W	770	
Vineyard--Telemeter	VIT	California,U.S.A.	36.7500N	121.3880W	360	From 1961-05-31 to 1965-02-10
Vinh	VIV	Vietnam	18.5475N	105.7000E	5	
Vinh	VIVB	Vietnam	18.6503N	105.6962E	6	From 2007-01-01
Vinh Tuy	VTVB	Vietnam	22.2527N	104.8987E	71	From 2008-01-01
Vinica-Bojanci	VBY	Slovenia	45.5045N	15.2566E	259	From 1986-10-30
Vinje	N2VI	Norway	68.3212N	14.1977E	9	From 2013-08-01 to 2016-05-30
Vinton	VO-	Iowa,U.S.A.	42.2250N	92.1269W	274	From 1964-09-01 to 1965-03-22
Vinton	VO-IO	Iowa,U.S.A.	42.2250N	92.1269W	274	From 1964-09-01 to 1965-03-22
Vinton	L39A	Iowa,U.S.A.	42.1234N	92.0007W	261	From 2011-06-13 to 2013-06-02
Viola	U41A	Arkansas,U.S.A.	36.3440N	91.9203W	300	From 2011-06-22
Vir	VIRC	Croatia	44.2925N	15.0540E	32	From 2016-03-17
Virac	PVCP	Luzon,Philippines	13.5960N	124.1540E	50	
VIRE	VIRE	Costa Rica,Costa Rica	9.9668N	83.8975W	2971	
Virgin Gorda	VGVI	Virgin Islands	18.4400N	64.4300W	20	From 2001-12-10 to 2003-04-01
Virgin Gorda, British Virgin Islands	VGBI	Virgin Islands	18.4905N	64.4025W	288	From 2013-02-01
Virgin Gorda Peak	GPV	Virgin Islands	18.4918N	64.4035W		
Virginia	VIR	Orange Free State,South Africa	28.0800S	26.8633E	1341	
Virginia Beach	VBV	Virginia,U.S.A.	36.7853N	76.1080W	5	
Virginia City	VCNR	Nevada,U.S.A.	39.2956N	119.6503W	1928	
Virginia Peak	VIP	Nevada,U.S.A.	39.7540N	119.4610W	2499	
Virginia Western Community College	VWCC	Virginia,U.S.A.	37.2459N	79.9776W	361	
Virojoki	VJF	Finland	60.5388N	27.5550E	34	From 2003-05-26
Vis@19nje	VISS	Slovenia	45.8033N	14.8393E	403	From 2004-03-01
Visale	VSG	Solomon Islands,Papua New Guinea	9.2528S	159.7130E	330	From 1983-12-22
Viseisei, Central Div. Fiji	LTKA	Fiji	17.6878S	177.4283E	27	
Viseu	PVIS	Portugal	40.7157N	7.8945W	720	From 1995-06-01
Vishakhapatnam	VIS	Andhra Pradesh,India	17.7210N	83.3287E	82	From 1962-01-01
Vishakhapatnam	VISK	Andhra Pradesh,India	17.7210N	83.3287E	30	
Visignano	VISG	Italy	44.1890N	11.4340E	728	From 2004-10-22
Visp Littennaring	SVIL	Switzerland	46.2923N	7.8865E	647	From 2010-04-01
Visp, Lonza VS	SVISP	Switzerland	46.3003N	7.8774E	543	From 2015-07-01
Visp Obere Stapfengasse	SVIO	Switzerland	46.2908N	7.8803E	650	From 2010-04-01
Visp-Terbinerstrasse	SVIT	Switzerland	46.2897N	7.8848E	655	From 2010-05-01
Vissoie, Val d'Anniviers	VANNI	Switzerland	46.2101N	7.5968E	1520	From 2009-10-30
Vista de Mar	VCR	Costa Rica	10.1265N	85.6312W	960	
Vista Grande	VG2	California,U.S.A.	33.8318N	116.8090W	0	From 1975-12-01
Vista Hermosa	VHM	Oaxaca,Mexico	17.1767N	96.7453W	1829	
Vista Hermosa	VHO	Oaxaca,Mexico	17.0723N	96.7332W	1685	
Visviri	PB18	Chile	17.5895S	69.4800W	4155	From 2015-12-04
Vitale (Isola del Liri - FR)	T0202	Italy	41.7021N	13.5442E	355	From 2009-06-12 to 2010-01-14
Viti Levu	NMF	Fiji	18.0058S	178.1600E	295	
Vitim	VTM	Sakha,Russia	59.4400N	112.5800E	168	
Vitim	VTMR	Sakha,Russia	59.4400N	112.5500E	190	From 2005-06-27
Vitineika	VTN	Greece	37.9166N	21.1856E	47	From 2009-09-08
Vitoria	PVIA	Azores,Portugal	39.0682N	28.0503W	49	From 2005-09-01
Vitosha	VTS	Bulgaria	42.6180N	23.2350E	1490	
Vittel	VITF	Lorraine,France	48.2172N	5.9844E	460	
Vittoria	HVIT	Sicily,Italy	36.9924N	14.5215E	288	From 2011-12-16

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Vitulano	VTB1	Italy	41.1825N	14.6300E	865	From 1999-01-01 to 2005-05-05
Vitulano (BN)	VITU	Italy	41.1833N	14.6302E	847	From 2013-12-31
Vitzeroda	VITZ	Thuringen,Germany	50.8870N	10.0916E	392	From 2010-05-20
Vivian	VVO	Oklahoma,U.S.A.	35.3368N	95.7374W	224	From 1985-09-11
Vivian Onida	I29A	South Dakota,U.S.A.	44.0215N	100.3034W	592	From 2009-09-11 to 2011-06-30
Vizcacheras	AVIZ	Mendoza,Argentina	33.4730S	68.5162W	1019	
Vizianagram	VIZ	Andhra Pradesh,India	18.1167N	83.4500E		
Vizzini	HVZN	Sicily,Italy	37.1780N	14.7150E	730	From 1994-05-01
Vlachokerasia	VLX	Greece	37.3703N	22.3793E	1035	From 2006-06-28
Vladesti	VLDR	Romania	45.8443N	28.0808E	155	From 2015-07-23
Vladikavkaz	VLKR	Severo-Osetinskaya,Russia	43.0465N	44.6773E	684	From 2003-06-23
Vladila	VLAD	Romania	43.9986N	24.4038E	138	From 2012-10-31
Vladivostok	VLA	Primorskiy Kray,Russia	43.1196N	131.8850E	61	
Vlagtwedde	VLW1	Netherlands	52.9682N	7.0972E	-43	From 2010-10-29
Vlagtwedde	VLW3	Netherlands	52.9682N	7.0972E	-143	From 2010-10-29
Vlagtwedde	VLW2	Netherlands	52.9682N	7.0972E	-93	From 2010-10-29
Vlagtwedde	VLW	Netherlands	52.9694N	7.0982E	7	
Vlagtwedde	VLW4	Netherlands	52.9682N	7.0972E	-193	From 2010-10-29
Vlasy	PR4R	Permskiy Kray,Russia	57.9137N	55.6777E	152	From 2006-02-07
Vlora	VLO	Albania	40.4686N	19.4955E	43	
Vlychada, Santorini	SNT2	Greece	36.3398N	25.4325E	50	From 2011-07-05 to 2014-04-26
VMA	CVMA	Costa Rica	9.5982N	84.4273W	234	From 2002-04-11 to 2002-10-01
Vobarno	VOBA	Italy	45.6429N	10.5040E	292	From 2006-06-28
Voceto	MZ62	Italy	42.6350N	13.3260E	1086	From 2016-09-28 to 2016-10-26
Vodivohitra	VDA	Madagascar	19.0610S	46.9530E	1472	From 1994-12-18
Vodopadnii	VDP	Kamchatskaya Oblast',Russia	55.7700N	160.2200E	1060	From 1977-01-01 to 1991-12-31
Voegtlinshoffen	VOEG	Alsace	48.0256N	7.2723E	452	From 2015-01-01
Voellerdingen	VOEL	Alsace	48.9667N	7.1227E	273	From 2016-01-01
Vogar	IVOG	Iceland	63.9700N	22.3930W	7	From 1997-02-23
Vogel Lake	VOGL	Alaska,U.S.A.	60.9961N	150.4307W	38	
Voghera	VG1	Italy	44.9292N	9.0958E		From 1980-06-22 to 1999-08-25
Vogsosar	IVOS	Iceland	63.8530N	21.7040W	8	From 1997-04-15
Vogtsburg - Totenkopf, Kaiserstuhl	VOGT	Baden-Wurttemberg	48.0814N	7.6700E	536	From 2015-09-01
Vohitsoka	VOI	Madagascar	21.9065S	46.7933E	1156	From 2009-11-26
Voineasa-Covasna	COVR	Romania	45.8456N	26.2043E	617	From 2015-08-11
Vojsko	VOY	Slovenia	46.0317N	13.8935E	1073	From 1984-11-01
Vojsko	VOJS	Slovenia	46.0317N	13.8833E	1046	From 2004-10-01
Volborg	F23A	Montana,U.S.A.	45.7212N	105.4056W	953	From 2008-11-17 to 2010-08-07
Volcan	BRU2	Panama	8.7940N	82.6910W	1308	
Volcan Arenal	VACR	Costa Rica	10.4730N	84.6775W	360	From 1986-04-29
Volcan Cerro Prieto	VCP	Baja California,Mexico	32.4000N	115.3000W	110	From 1976-10-28
Volcan Chico	VCHI	Galapagos,Ecuador	0.7917S	91.0667W	1490	
Volcn Chico	VCH1	Galapagos,Ecuador	0.7837S	91.0954W	1490	From 2012-10-06
Volc¡n Chiles	CHL2	Ecuador	0.8022N	77.9179W	4005	From 2014-04-25
Volc¡n Chiles-Cueva de arcos	CHL1	Ecuador	0.7923N	77.9462W	4191	From 2014-05-08
Volcan de Colima INCA	INCO	Colima	19.5255N	103.6040W	3245	
Volcan de Colima JUBA	JUBC	Colima	19.5153N	103.5698W	2345	
Volcan de Colima MNGR	MNGA	Colima	19.4662N	103.6203W	2117	
Volcan Galeras	GCUF	Colombia	1.2260N	77.3450W	3800	
Volcan Irazu	IRZ	Costa Rica	9.9744N	83.8657W	3380	From 1984-03-17 to 1985-12-31
Volcan Irazu	HAYA	Costa Rica	9.9801N	83.8428W	3245	From 1984-04-01
Volcan Irazu	ICR	Costa Rica	9.9808N	83.8305W	3306	
Volcan Irazu 2	IRZ2	Costa Rica	9.9688N	83.8975W	2975	From 1985-01-01
Volcan Nyalulag	NYAM	Democratic Republic of the Congo	1.4100S	29.2000E	3056	
Volcano de Colima	SOMAC	Jalisco	19.5240N	103.6300W	3002	
Volcano Irazu	VICA	Costa Rica,Costa Rica	9.9845N	83.8447W	3358	
Volcano Irazu 3	ICR3	Costa Rica,Costa Rica	9.9782N	83.8320W	3277	
Volcano Peak E	WVPM	California,U.S.A.	35.9495N	117.8170W	1463	From 1975-09-26
Volcano Peak East	VPEM	California,U.S.A.	35.9495N	117.8170W	1463	From 1975-09-26
Volcano Poas	VPS6	Costa Rica,Costa Rica	10.1903N	84.2318W	2596	
Volcan Poas	VPS	Costa Rica	10.1873N	84.2385W	2570	
Volcan Poas 2	VPS2	Costa Rica	10.1902N	84.2353W	2570	From 1980-11-01
Volcan Purace	PURC	Colombia	2.3222N	76.3617W	3950	From 1987-01-01
Volcan Rincon	RIN2	Costa Rica	10.8185N	85.3495W	1400	From 1987-05-20 to 1988-08-26
Volcan Rincon	RIN3	Costa Rica	10.7908N	85.3787W	900	From 1988-08-26
Volcan Rincon	RIN	Costa Rica	10.7735N	85.3583W	775	From 1984-11-01 to 1987-05-20
Volcan Sangay	SANGA	Ecuador	2.0513S	78.3714W	3533	
Volcan San Salvador	VSS	El Salvador	13.7417N	89.2417W	1250	
Volcan, TBS2	TBS3	Panama	8.7827N	82.6475W	1391	
Volcan Turrialba	VTR0	Costa Rica	10.0173N	83.7602W	3300	
Volcan Turrialba	VTU	Costa Rica	10.0210N	83.7583W	3329	
Volcan Turrialba, Cartago	CVTR	Costa Rica	10.0200N	83.7593W	3225	From 2000-01-01
Volcan Turrialba, Hacienda Retiro	VTRE	Costa Rica	10.0018N	83.7945W	2706	From 2012-06-01
Volcan Turrialba, VTRT	VTRT	Costa Rica	10.0020N	83.7927W	2709	From 2015-04-23
Volcan Villarrica	VNV	Cautin,Chile	39.3692S	71.9528W	1200	From 1983-01-01
Volimes	VOL	Greece	37.8857N	20.6775E	552	From 2007-04-19
Volimes, Zakynthos	VLMS	Greece	37.8766N	20.6628E	431	From 2013-07-15
Volkach	A111A	Germany	49.8478N	10.2132E	249	From 2015-10-23
Vollmer Peak	CVPM	California,U.S.A.	37.8840N	122.2220W	568	
Volos	VOL2	Greece	39.3660N	22.9506E	22	From 2012-08-01
Volta Mantovana (MN)	A313A	Italy	45.3135N	10.6628E	63	From 2015-12-30
Vomvokou	VVK	Greece	38.4222N	21.8115E	651	From 2010-09-30
Vonarskard	IVON	Iceland	64.6732N	17.7558W	999	From 2013-09-09
Vorderriss, Lenggries, Bavaria	A140A	Germany	47.5523N	11.4361E	790	From 2016-01-18
VORI	VORI	Costa Rica,Costa Rica	10.8180N	85.3465W	1579	
Voronezh	VOR	Voronezhskaya Oblast',Russia	51.7311N	39.2000E	160	From 1997-01-01 to 2008-08-20
Voronezh	VORR	Voronezhskaya Oblast',Russia	51.6717N	39.2082E	150	From 2008-08-20
Vostochnaya	VOS	Kazakhstan	52.7233N	70.9797E	450	From 1999-09-24
Vostochnaya	VOSK	Kazakhstan	52.7233N	70.9797E	450	From 1999-09-24
Vostochnaya array site	VOS7	Kazakhstan	52.7276N	70.9370E	328	From 1995-08-10
Vostochnaya array site	VOS8	Kazakhstan	52.7524N	70.9211E	344	From 1995-08-10
Vostochnaya array site	VOS9	Kazakhstan	52.7696N	70.9511E	329	From 1995-08-10
Vostochnaya array site	VOS4	Kazakhstan	52.7686N	70.9906E	321	From 1995-08-10
Vostochnaya array site	VOS5	Kazakhstan	52.7435N	71.0042E	316	From 1995-08-10
Vostochnaya array site	VOS6	Kazakhstan	52.7478N	70.9649E	327	From 1995-08-10
Votaw Ranch, Wellfleet	N29A	Nebraska,U.S.A.	40.8189N	100.6264W	897	From 2009-05-19 to 2011-04-11
Vottur	IVOT	Iceland	64.2708N	17.1825W	1041	From 2011-06-06
Vouglans	VOU	Franche Comte,France	46.3989N	5.6508E	495	From 1967-03-01
Voula,Athens	VLY	Greece,Greece	37.8524N	23.7942E	256	From 2008-02-12
Vouvas Sfakia	SFK2	Crete	35.2116N	24.1898E	176	From 2015-07-15
Vovousa, N011	N011M	Greece	39.9379N	21.0496E	1038	
Vozrozhdenie	VOZR	Krasnodarskiy Kray,Russia	44.5530N	38.2230E	92	From 2009-11-23 to 2013-11-03
Vranov	VRAC	Czech Republic	49.3083N	16.5935E	475	From 1989-12-01
Vrh nad Dolskim	VNDS	Slovenia	46.1016N	14.7014E	531	From 2005-12-16
Vrincioaia	VRI	Romania	45.8657N	26.7277E	475	From 1967-01-01
Vrontados, Chios Island	VRO1	Greece	38.4057N	26.1339E	34	From 2010-10-01
Vrsac	VRSS	Serbia	45.1228N	21.3248E	346	From 2018-06-13
V-Sauoahnukur	IVSH	Iceland	64.8080N	15.7280W	849	From 2004-12-29
VTCV, Calle Vargas, Turrialba	VTCV	Costa Rica	9.9831N	83.7267W	1664	From 2012-04-23
VTLO	VTLO	Costa Rica,Costa Rica	10.0437N	83.7270W	2406	
Vulcan	VUL	New Britain,Papua New Guinea	4.2828S	152.1460E	332	From 1967-01-01
Vulcanello	VN6*	Sicily,Italy	38.4256N	14.9625E		From 1966-04-01 to 1966-05-01
Vulcano Cr IE	IVCR	Sicily,Italy	38.4080N	14.9620E	140	From 1977-01-01
Vulcano Grillo IE	IVUG	Sicily,Italy	38.3960N	14.9860E	250	From 1977-01-01
Vulcano Grotta dei Palizzi	IVGP	Sicily,Italy	38.3968N	14.9608E	129	From 2011-12-05
Vulcano Lentia IE	IVLT	Sicily,Italy	38.3960N	14.9480E	150	From 1977-01-01
Vulcano Piano	VPL	Sicily,Italy	38.3789N	14.9836E	410	
Vunargo	VNG	Greece	37.7410N	21.3930E	240	From 2006-05-15
Vunidawa	VDW	Fiji	17.8336S	178.2528E	409	From 1979-10-01
Vunikawai	VUN	Fiji	18.0072S	178.4633E	178	From 1976-12-01
Vuterbahal	VTBH	Orissa	20.5970N	83.2910E	209	From 2017-09-14
VWDT	VWDT	Taiwan region	23.7537N	121.1412E	0	From 2009-07-16
VWUC	VWUC	Taiwan region	24.9911N	119.4492E	5	From 2009-09-14
Vyborg	VYB	Leningradskaya Oblast',Russia	60.7167N	28.8000E	25	
Vyhne	VYHS	Slovakia	48.4940N	18.8361E	480	
Vyrnwy	WVR	Wales,United Kingdom	52.7974N	3.6051W	580	From 1985-01-01
W01	IASBS	Iran	34.3463N	45.7438E	532	From 2013-10-08 to 2014-11-01
Wabag	WAB	Papua New Guinea	5.4947S	143.7280E	2032	From 1968-01-01
Wabash College	WVIL	Illinois,U.S.A.	38.4298N	87.7817W	160	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Wabush	WABN	Newfoundland,Canada	52.9080N	66.8710W	563	
Wabush	WBHL	Newfoundland,Canada	52.9030N	66.8663W	595	From 2011-07-18
Wachi	JWT	Kyoto,Japan	35.2825N	135.4015E	172	
Wade Farm, Kenmare	A26A	North Dakota,U.S.A.	48.8973N	102.0380W	570	From 2009-07-23 to 2011-07-25
Wadena	E34A	Minnesota,U.S.A.	46.5136N	95.1691W	430	From 2010-08-26 to 2012-07-31
Wadesville	WDIN	Indiana,U.S.A.	38.0908N	87.7158W	164	
Wadia Institute--Dehra Dun	WIHG	Uttar Pradesh,India	30.3285N	78.0130E	619	From 1985-11-01
Wadi Bani Khalid	WBK	Oman	22.6100N	58.9700E	450	From 2001-07-01
Wadi Hawf	WHFO	Oman	17.9190N	53.7706E	550	From 2001-07-01
Wadi `Ibn Hashbal	WBHS	Saudi Arabia	18.6062N	42.7288E	1882	
Wadi Mousa	WMSJ	Jordan	30.3250N	35.4650E	965	From 2001-01-01
Wadi Sarin	WSAR	Oman	23.2390N	58.6307E	326	
Wadsworth	WAD	Nevada,U.S.A.	39.6878N	119.2880W	1262	
Waduk Cacaban	CTJI	Jawa,Indonesia	7.0075S	109.1836E	104	
Waffenplatz Bedrina, Airolo, TI	BTAO	Switzerland	46.5296N	8.5903E	1311	From 2018-11-16
Wagenman Farm, Cando	B29A	North Dakota,U.S.A.	48.4649N	99.3535W	460	From 2009-08-21 to 2011-07-19
Wager Bay	WAGN	Northwest Territories,Canada	65.8792N	89.4445W	0	From 2006-08-20
Wagin	WA2	Western Australia,Australia	33.2767S	117.3370E	300	From 1973-06-09
Wagner Farm, Oakesdale	D10A	Washington,U.S.A.	47.0547N	117.2759W	775	From 2006-09-23 to 2008-06-19
Wagon Wheel Ranch, Midkiff	329A	Texas,U.S.A.	31.4870N	101.9808W	842	From 2009-02-08 to 2010-12-10
Wahat al Ahsa'	HASS	Saudi Arabia	25.1899N	49.6944E	200	
Wahat Dakhilah	HDK2	Egypt	24.3195N	28.9546E	380	
Wahat Farafirah	HFRF	Egypt	27.1484N	28.3105E	135	
Wahaula	WHA	Hawaii,U.S.A.	19.3317N	155.0490W	29	
Wahet Paris	APRS	Egypt	24.3718N	30.7126E	185	
Wahianoa	WNVZ	North Island,New Zealand	39.3270S	175.5979E	1566	From 2004-04-15
Wahluke	WAH	Washington,U.S.A.	46.7520N	119.5780W	231	From 1970-07-01
Wahluke Slope	WAH2	Washington,U.S.A.	46.7553N	119.5657W	244	
Wahnapitae	E50A	Ontario,Canada	46.4232N	80.7378W	242	From 2012-11-01
Wahnbachtalsperre	WBS	Nordrhein-Westfalen,Germany	50.8061N	7.2831E	130	From 1990-11-01
Wahner Farm, Parshall	C26A	North Dakota,U.S.A.	47.8259N	102.0957W	656	From 2009-07-26 to 2011-06-09
Wahoo	WHNE	Nebraska,U.S.A.	41.2362N	96.6525W	381	
Wah Wah Mountains	WW-UT	Utah,U.S.A.	38.5139N	113.5889W	1829	From 1963-04-16 to 1963-07-15
Wah Wah Mts	WW-	Utah,U.S.A.	38.5139N	113.5889W	1829	From 1963-04-16 to 1963-07-15
Waiatarua	WTAZ	North Island,New Zealand	36.9324S	174.5734E	340	From 1995-01-10
Waidhofen	A017A	Austria	47.9480N	14.7589E	589	From 2015-07-09
Waiheke Island	WIAZ	North Island,New Zealand	36.7930S	175.1339E	191	From 2010-07-27
Waihua	WHHZ	North Island,New Zealand	39.0768S	177.2344E	261	From 2009-06-30
Waikabubak, Sumba	WBSI	Sumba,Indonesia	9.6411S	119.3911E	456	From 2008-12-01
Waikii	WKH	Hawaii,U.S.A.	19.8597N	155.6600W	1433	
Waimanalo Ridge	WMR	Hawaii,U.S.A.	21.3203N	157.6823W	200	
Waimangu	WGZ	North Island,New Zealand	38.2862S	176.3872E	440	From 1980-08-20 to 1983-12-15
Waingapu	WSI	Sumba,Indonesia	9.6689S	120.2976E	48	
Wainui Dam	WDW	North Island,New Zealand	41.2670S	174.9939E	130	From 1976-12-07 to 1992-07-31
Wainwright	A19K	Alaska,U.S.A.	70.2043N	161.0713W	24	From 2017-09-26
Waiomatatini Station	WMGZ	North Island,New Zealand	37.8191S	178.4149E	129	From 2009-12-10
Waiotahi Valley	WAINZ	New Zealand	38.0885S	177.1863E	48	
Waipapa Point	WPZ	South Island,New Zealand	46.6587S	168.8498E	15	From 1966-11-18 to 1976-09-21
Waipu Caves	WCZ	North Island,New Zealand	35.9388S	174.3450E	108	From 1990-10-13
Waipukurau	WPHZ	New Zealand	40.0643S	176.4406E	350	From 2006-10-19
Wairakei	WNZ	North Island,New Zealand	38.6295S	176.1030E	350	From 1962-08-01 to 1985-09-27
Wairara	WATZ	North Island,New Zealand	38.7079S	175.7332E	560	From 1996-08-17
Wairiri	WAI	South Island,New Zealand	43.4950S	171.8684E	400	From 1947-03-01 to 1948-03-31
Waitaha Valley	WVZ	South Island,New Zealand	43.0743S	170.7368E	91	From 1990-05-16
Wajiki	WKJ	Tokushima,Japan	33.8598N	134.5147E	100	
Wa jima	WAJ	Ishikawa,Japan	37.3900N	136.8980E	7	
Wakamiya	WMY	Kochi,Japan	33.6421N	133.6750E	230	From 1967-04-01 to 1999-08-25
Wakanui South Island, New Zealand	WACZ	South Island,New Zealand	43.9425S	171.8391E	97	From 2013-04-08
Wakarara	WAHZ	North Island,New Zealand	39.6974S	176.3555E	657	From 1987-03-19 to 2000-12-05
Wakaura	WKU	Wakayama,Japan	34.1879N	135.1730E	10	From 1953-10-01 to 1978-08-26
Wakayama	WKME	Wakayama,Japan	34.1909N	135.1673E	5	
Wakayama	WKY	Wakayama,Japan	34.2267N	135.1670E	14	
Wakayama 2	WKYJ	Wakayama,Japan	34.2190N	135.5925E	795	
Wakayamakushimoto	JWKM	Wakayama,Japan	33.4498N	135.7573E	68	From 2012-07-01
Wake	WKE	Wake Island,U.S.A.	19.3150N	166.6270E	5	From 1956-01-01 to 1969-12-31
Wakefield	E40A	Michigan,U.S.A.	46.4446N	89.8991W	472	From 2011-09-09 to 2013-06-08
Wake Island	WAKE	Wake Island,U.S.A.	19.2833N	166.6536E	0	
Wake Island	I60US	Wake Island	19.2918N	166.6113E	4	From 2016-10-24
WAKE ISLAND Hydroacoustic Site N1	H11N1	Wake Island,U.S.A.	19.7136N	166.8911E	-2149	From 2010-01-24
WAKE ISLAND Hydroacoustic Site N2	H11N2	Wake Island,U.S.A.	19.7311N	166.8968E	-2148	From 2010-02-19
WAKE ISLAND Hydroacoustic Site N3	H11N3	Wake Island,U.S.A.	19.7179N	166.9099E	-2162	From 2010-02-19
WAKE ISLAND Hydroacoustic Site S1	H11S1	Wake Island,U.S.A.	18.5083N	166.7003E	-1929	From 2010-01-24
WAKE ISLAND Hydroacoustic Site S2	H11S2	Wake Island,U.S.A.	18.4905N	166.7054E	-1939	From 2010-02-19
WAKE ISLAND Hydroacoustic Site S3	H11S3	Wake Island,U.S.A.	18.4949N	166.6873E	-1872	From 2010-02-19
Wakkake-Misaki	JWK	Soya,Japan	45.4168N	141.6732E	90	
Wakkanai	WAKJ	Soya,Japan	45.4133N	141.6833E	11	
Wakkanai	WAK	Soya,Japan	45.4167N	141.6730E	90	
Wala	WALJ	Jordan	31.5620N	35.8110E	53	
Walarano	VNARW	Vanuatu	15.9800S	167.3428E	62	
Waldbreitbach	GLOK	Germany	50.5447N	7.4337E	293	
Walderalm	WATA	Austria	47.3357N	11.5763E	1492	From 1989-10-01
Waldi	WLDE	Ethiopia	11.8243N	39.5874E	1879	
Waldron Ledge	WLG	Hawaii,U.S.A.	19.4248N	155.2620W	1067	From 1971-09-01 to 2000-11-09
Walenstadt, Sportplatz SG	SWAS	Switzerland	47.1220N	9.3088E	424	From 2015-12-15
Walferdange	WLF	Luxembourg	49.6646N	6.1526E	295	
Walker	WAKR	Nevada,U.S.A.	38.5044N	119.4372W	1890	
Walker Mountain	WMV	Virginia,U.S.A.	37.1085N	80.9705W	1157	
Walker Mountain	VWMM	Oregon,U.S.A.	43.3050N	121.7160W	2158	
Walker Pass	WWPM	California,U.S.A.	35.7355N	118.0870W	1151	
Walker Ridge	GWKM	California,U.S.A.	39.0520N	122.4910W	841	
Walker Ridge	WKC	California,U.S.A.	40.3933N	124.2880W	225	From 1973-01-01 to 1980-11-05
Walker Ridge	WKC2	California,U.S.A.	40.3892N	124.2960W	226	From 1980-11-05
Walkerton	BWLO	Ontario,Canada	44.1174N	81.1382W	228	From 2007-08-01
Wallace	G43A	Michigan,U.S.A.	45.2572N	87.6861W	213	From 2011-09-12 to 2013-06-11
Wallace	WAL	Idaho,U.S.A.	47.4600N	115.9650W		
Wallace Dam	WDG	Georgia,U.S.A.	33.3440N	83.1752W	177	From 1978-02-01
Wallaroo	WALR	South Australia	33.9598S	137.6221E	18	From 2018-07-20
Walla Walla High School ANSS SMO	WWHS	Washington,U.S.A.	46.0453N	118.3183W	10	From 2003-09-24
Wallersheim-Loch	LOH	Rheinland-Pfalz,Germany	50.1825N	6.5356E	580	From 2006-12-01
Wallhausen, DE	WALHA	Germany	47.7530N	9.1230E	385	From 2013-07-18
Wallila Gap	WGW	Washington,U.S.A.	46.0447N	118.9330W	162	From 1971-10-01
Wall Ranch, Gause	436A	Texas,U.S.A.	30.7702N	96.7960W	109	From 2010-01-27 to 2011-11-08
Walls	WAL1	Shetland Islands,United Kingdom	60.2564N	1.6173W	167	From 1980-01-01
Walls	WALU	Shetland Islands,United Kingdom	60.2576N	1.6133W	170	
Wallula Gap	WG2	Washington,U.S.A.	46.0306N	118.8560W	511	From 1987-04-01
Wallula Gap	WG3	Washington,U.S.A.	46.0286N	118.8570W	480	From 1990-01-01
Wally Ulrich	WUWY	Wyoming,U.S.A.	43.5394N	110.7429W	1965	
Walnut Farm, Randolph	P34A	Kansas,U.S.A.	39.5471N	96.8268W	429	From 2010-05-27 to 2012-03-16
Walnut Grove	WGAR	Arkansas,U.S.A.	35.8530N	90.1910W	72	
Walnut Ridge	WR-AR	Arkansas,U.S.A.	36.0583N	91.2219W	122	From 1961-12-05 to 1961-12-16
Walnut Ridge	WR-	Arkansas,U.S.A.	36.0583N	91.2219W	122	From 1961-12-05 to 1961-12-16
Walsenburg, S16	SCR16	Colorado	37.6218N	104.8465W	1989	
Walsh	T28A	Colorado,U.S.A.	37.1204N	102.1136W	1148	From 2008-12-16 to 2010-11-08
Walters Elk Ranch, Riggins	G11A	Idaho,U.S.A.	45.3997N	116.2680W	1343	From 2006-11-08 to 2008-07-14
Waltham Township, Utica	M43A	Illinois,U.S.A.	41.4365N	88.9581W	190	From 2011-10-25
Walton	L59A	New York,U.S.A.	42.1902N	75.0426W	677	From 2013-09-03
Waltonville	R44A	Illinois,U.S.A.	38.2475N	89.0809W	144	From 2011-05-21 to 2013-04-29
Wambrook	WAM	New South Wales,Australia	36.1928S	148.8830E	200	From 1957-01-01
Wamena	WAMI	Irian Jaya,Indonesia	3.8847S	138.7114E	0	
Wamic	G05A	Oregon,U.S.A.	45.2422N	121.3167W	594	From 2005-11-03 to 2008-03-27
Wamic, OR	G05D	Oregon,U.S.A.	45.2422N	121.3167W	592	From 2009-10-22
Wamsutter	L20A	Wyoming,U.S.A.	42.0073N	108.3398W	2028	From 2007-10-26 to 2009-10-16
Wanagama	UGM	Jawa,Indonesia	7.9125S	110.5231E	350	From 1995-08-20
Wanaka	WKZ	South Island,New Zealand	44.8270S	169.0176E	558	From 2004-06-03
WAND	WAND	Namibia	24.6500S	19.7436E	1400	
Wando	KSWAN	Republic of Korea	34.3890N	126.7023E	34	From 1999-04-07
Wando-Q330s	WAN2	Republic of Korea	34.3959N	126.7019E	83	From 2015-10-01
Wanganui	WAZ	North Island,New Zealand	39.7546S	174.9856E	382	From 2003-07-18
Wanganui	WLFZ	North Island,New Zealand	39.9917S	175.0963E	30	From 1982-10-14 to 1982-10-24

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Wang Home	KHVB	British Columbia,Canada	48.5688N	123.4663W	39	From 2003-02-28
Wanliss Street	WAN	New Britain,Papua New Guinea	4.1943S	152.1760E	25	From 1967-01-01
Wann	WNN	Nebraska,U.S.A.	41.1897N	96.2661W	387	
Wanoga Butte	VWBM	Oregon,U.S.A.	43.9137N	121.5550W	1736	
Wanrong	EHYH	Taiwan region	23.4938N	121.3451E	168	From 2017-10-06
Wapiti River	WAPA	Alberta,Canada	55.1833N	119.2536W	784	From 2009-10-20
Warakurna	WRKA	Western Australia,Australia	25.0371S	128.2962E	622	From 2009-04-26
Warangal	WGL	Andhra Pradesh,India	17.9850N	79.5300E	280	From 1975-01-01
Warburton	WARB	Western Australia,Australia	26.1838S	126.6430E	460	From 1987-06-28 to 1998-12-31
Warburton	WBN	Western Australia,Australia	26.1400S	126.5780E	457	From 1978-06-27 to 1987-06-28
Wardell	WADM	Missouri,U.S.A.	36.3661N	89.7959W	78	
Warden	WRD	Washington,U.S.A.	46.8033N	119.1448W	375	From 1970-07-01
Wardlaw	BWH	Scotland,United Kingdom	55.1758N	3.6549W	269	
Ward Pound Ridge	WPR	New York,U.S.A.	41.2547N	73.5857W	152	From 1971-03-01 to 1981-12-31
Wards Creek	WCNB	New Brunswick,Canada	45.6459N	65.5097W	128	From 2013-09-06
Warideh	WRDH	Syria	35.5079N	36.4120E	730	From 1995-04-01
Waris	WAA	Papua New Guinea	4.1167S	145.1000E	48	
Warland Creek	WCM	Montana,U.S.A.	48.4583N	115.1030W	1704	From 1971-02-01 to 1974-07-11
Warmenhuizen	WMH4	Netherlands	52.7096N	4.7498E	-201	From 1995-04-21
Warmenhuizen	WMH3	Netherlands	52.7096N	4.7498E	-151	From 1995-04-21
Warmenhuizen	WMH1	Netherlands	52.7096N	4.7498E	-51	From 1995-04-21
Warmenhuizen	WMH2	Netherlands	52.7096N	4.7498E	-101	From 1995-04-21
Warmenhuizen	WMH	Netherlands	52.7108N	4.7498E	-1	
Warmifontaine	WRM	Belgium	49.8333N	5.3806E	242	
Warminster	SWK	England,United Kingdom	51.1483N	2.2471W	266	
Warm Springs	WSN	Nevada,U.S.A.	38.3833N	116.1920W	1768	From 1965-01-01 to 1970-12-31
Warm Springs	WZ-NV	Nevada,U.S.A.	38.0628N	116.4397W	2073	
Warm Springs	R10A	Nevada,U.S.A.	38.2886N	116.3021W	1600	From 2006-06-09 to 2008-09-11
Warm Springs	WSP	California,U.S.A.	34.5962N	118.5790W	1219	
Warm Springs Repeater	WSR	Nevada,U.S.A.	38.1914N	116.3990W	1890	From 1965-01-01 to 1970-12-31
Warragamba	WGBM	New South Wales,Australia	33.8661S	150.5751E	254	
Warragamba Dam	WDBM	New South Wales,Australia	33.8850S	150.5940E	30	
Warramunga Ar.	WB1	Northern Territory,Australia	19.9595S	134.3460E	422	
Warramunga Array	WRB	Northern Territory,Australia	19.9594S	134.3464E	393	From 1965-10-01
Warramunga Array	WCB	Northern Territory,Australia	19.9347S	134.3570E	366	From 1965-10-01
Warramunga Array Beam Reference Point	WRA	Northern Territory,Australia	19.9426S	134.3390E	419	From 1965-10-01
Warramunga Array, NT	WB10	Northern Territory	19.7671S	134.3928E	362	From 2013-08-26
Warramunga Array Site B0	WB0	Northern Territory,Australia	19.7671S	134.3930E	392	
Warramunga Array Site B2	WB2	Northern Territory,Australia	19.9428S	134.3511E	388	From 1965-10-01
Warramunga Array Site B3	WB3	Northern Territory,Australia	19.9230S	134.3555E	384	From 1965-10-01
Warramunga Array Site B4	WB4	Northern Territory,Australia	19.9036S	134.3589E	380	From 1965-10-01
Warramunga Array Site B5	WB5	Northern Territory,Australia	19.8782S	134.3662E	370	From 1965-10-01
Warramunga Array Site B6	WB6	Northern Territory,Australia	19.8550S	134.3670E	396	From 1965-10-01
Warramunga Array Site B7	WB7	Northern Territory,Australia	19.8408S	134.3794E	353	From 1965-10-01
Warramunga Array Site B8	WB8	Northern Territory,Australia	19.8139S	134.3808E	356	From 1965-10-01
Warramunga Array Site B9	WB9	Northern Territory,Australia	19.7914S	134.3840E	391	From 1965-10-01
Warramunga Array Site C1	WC1	Northern Territory,Australia	19.9243S	134.3391E	392	
Warramunga Array Site C2	WC2	Northern Territory,Australia	19.9254S	134.3654E	375	
Warramunga Array Site C3	WC3	Northern Territory,Australia	19.9587S	134.3719E	382	
Warramunga Array Site C4	WC4	Northern Territory,Australia	19.9619S	134.3397E	387	
Warramunga Array Site R0	WR0	Northern Territory,Australia	19.9597S	134.5405E	353	
Warramunga Array Site R1	WR1	Northern Territory,Australia	19.9426S	134.3395E	388	
Warramunga Array Site R2	WR2	Northern Territory,Australia	19.9469S	134.3624E	385	From 1965-10-01
Warramunga Array Site R3	WR3	Northern Territory,Australia	19.9485S	134.3869E	376	From 1965-10-01
Warramunga Array Site R4	WR4	Northern Territory,Australia	19.9503S	134.4066E	374	From 1965-10-01
Warramunga Array Site R5	WR5	Northern Territory,Australia	19.9522S	134.4304E	364	From 1965-10-01
Warramunga Array Site R6	WR6	Northern Territory,Australia	19.9543S	134.4540E	382	From 1965-10-01
Warramunga Array Site R7	WR7	Northern Territory,Australia	19.9552S	134.4760E	382	From 1965-10-01
Warramunga Array Site R8	WR8	Northern Territory,Australia	19.9557S	134.5000E	400	From 1965-10-01
Warramunga Array Site R9	WR9	Northern Territory,Australia	19.9577S	134.5150E	383	From 1965-10-01
WARRAMUNGA INFRASONIC ARRAY REFERENCE POINT	I07AU	Northern Territory,Australia	19.9348S	134.3295E	386	From 2000-05-12
Warramunga Infrasound Array Beam Ref. Pt.	WRAI	Northern Territory,Australia	19.9402S	134.2260E	401	
Warren Harvey, Newton	Q45A	Illinois,U.S.A.	38.8948N	88.1565W	162	From 2011-11-19
Warroad	A33A	Minnesota,U.S.A.	48.9371N	95.3904W	329	From 2010-09-28 to 2012-09-07
Warsak Dam	WRS	Pakistan	34.1500N	71.4167E	343	
Warsaw	WAR	Poland	52.2417N	21.0236E	110	From 1939-01-01 to 2008-10-10
Wartburg	WT-	Tennessee,U.S.A.	36.1097N	84.7578W	427	From 1963-04-12 to 1963-07-31
Wartburg	WT-TN	Tennessee,U.S.A.	36.1097N	84.7578W	427	From 1963-04-12 to 1963-07-31
Wartmannstetten	A009A	Austria	47.6775N	16.0904E	469	From 2015-02-10
Warwick	F60A	Quebec,Canada	45.9688N	71.9514W	229	From 2013-08-07
Warwick Parish	PSBMU	Bermuda	32.2780N	64.7930W	35	
Waseca	I37B	Minnesota,U.S.A.	44.0149N	93.4003W	354	From 2014-03-15
Wasel	WASL	Saudi Arabia	29.1880N	34.9060E		From 1993-07-01 to 1999-08-25
Wasen, Napf, BE	A060A	Switzerland	47.0305N	7.8904E	1112	From 2015-08-14
Washetta, Montalba	237A	Texas,U.S.A.	32.0015N	95.8084W	126	From 2010-02-20 to 2012-01-20
Washington	WAS	District of Columbia,U.S.A.	38.8925N	77.0331W	0	From 1909-01-01 to 1969-12-31
Washington City	WCO	Utah,U.S.A.	37.1387N	113.5094W	878	From 2008-05-30
Washington Fields	REUT	Utah,U.S.A.	37.0976N	113.5193W	791	From 2008-06-27
Washington Hill	WSH	Nevada,U.S.A.	39.4538N	119.6447W	1762	
Washington--Naval Research Laboratory	NRL	District of Columbia,U.S.A.	38.8333N	77.0833W		From 1953-01-01 to 1972-12-31
Washington Science Center	WSC	Maryland,U.S.A.	39.0505N	77.1237W	120	From 1965-01-01 to 1972-12-31
Washoe City	WCN	Nevada,U.S.A.	39.3104N	119.7590W	1658	From 1972-08-12 to 2010-11-10
WASQA	WASQA	Saudi Arabia	20.1274N	40.8384E	100	
Wassenberg	RWB	Nordrhein-Westfalen,Germany	51.1018N	6.1550E	45	From 2003-04-01
Wasserfallboden	A035A	Austria	47.1968N	12.7209E	1652	From 2015-10-15
Wasserreservoir Schachen, Buelach, ZH	NDBU	Switzerland	47.5459N	8.5114E	443	From 2018-12-06
Wasserturm Kaisheim	A361A	Germany	48.7909N	10.8171E	500	From 2015-12-01
Wasserwerk Kaufbeuren	A366A	Germany	47.8333N	10.6234E	794	From 2015-12-01
Wasserwerk Schwabmuenchen	A365A	Germany	48.1651N	10.7334E	594	From 2015-12-01
Water	H2OWA	Washington,U.S.A.	46.3958N	119.4230W	158	
Waterberg Wilderness,Limpopo Province	WTBG	South Africa	24.2119S	28.8829E	1471	From 2017-04-28
Waterbury	VT1	Vermont,U.S.A.	44.3317N	72.7536W	410	
Waterdown	RD02	Ontario,Canada	43.3154N	79.8768W	104	
Waterproof	243A	Louisiana,U.S.A.	31.8803N	91.4827W	2	From 2011-02-19 to 2012-11-30
Waterton	WTC	Colorado,U.S.A.	39.5143N	105.1380W	1987	From 1973-01-01 to 1976-11-30
Waterton Lakes	WALA	Alberta,Canada	49.0586N	113.9120W	1400	From 1992-05-15
Water View	S60A	Virginia,U.S.A.	37.7055N	76.6535W	36	From 2013-04-15
Waterville	C07A	Washington,U.S.A.	47.6902N	120.0613W	863	From 2006-09-19 to 2008-05-16
Waterville	WTR	Maine,U.S.A.	44.6483N	69.6556W	79	From 1951-10-01
Waterville	WVL	Maine,U.S.A.	44.5648N	69.6575W	85	
Waterville	WTVE	New York,U.S.A.	42.9460N	75.3272W	426	
Waterville	WTV	Washington,U.S.A.	47.6986N	119.9540W	900	
Waterways	WS-	Alberta,Canada	56.6594N	111.2686W	366	From 1965-10-14 to 1965-11-15
Waterways	WS-AT	Alberta,Canada	56.6594N	111.2686W	366	From 1965-10-14 to 1965-11-15
Watheroo	WAT	Western Australia,Australia	30.3167S	115.8830E		From 1958-01-01 to 1959-12-31
Watkins	G35A	Minnesota,U.S.A.	45.2199N	94.4855W	361	From 2010-09-15 to 2012-07-27
Watom Island	EWT	New Britain,Papua New Guinea	4.1150S	152.0880E	30	
Watseka	WQ-IL	Illinois,U.S.A.	40.8656N	87.5864W	198	
Watson	WA-OK	Oklahoma,U.S.A.	34.4417N	94.4911W	305	From 1962-10-17 to 1962-10-27
Watson	WA-	Oklahoma,U.S.A.	34.4417N	94.4911W	305	From 1962-10-17 to 1962-10-27
Watson Lake	WL-	Yukon Territory,Canada	60.1167N	128.7644W	716	From 1965-10-16 to 1965-11-15
Watson Lake	WL-YK	Yukon Territory,Canada	60.1167N	128.7644W	716	From 1965-10-16 to 1965-11-15
Watson Lake	WALK	Missouri,U.S.A.	36.5394N	89.5423W	87	
Watson Lake, Yukon	WTLY	Yukon Territory	60.1133N	128.7961W	690	From 2013-07-01
Wattenberg	WTTA	Austria	47.2638N	11.6363E	1764	From 1991-02-09
Wattenberg Ranch, Walden	N22A	Colorado,U.S.A.	40.8023N	106.4544W	2472	From 2007-11-27 to 2010-06-11
Watts Point	WPB	British Columbia,Canada	49.6570N	123.2100W	273	From 1983-01-20
Watts, South Gate	WTT2	California,U.S.A.	33.9487N	118.2554W	33	
Wau	WAU	Papua New Guinea	7.3456S	146.7165E	1083	From 1996-05-09
Waubonsee CC	WCIL	Illinois,U.S.A.	41.7961N	88.4590W	214	
Wauchula	958A	Florida,U.S.A.	27.5855N	81.7543W	30	From 2012-03-07
Wavell State High School	AUWSH	Queensland,Australia	27.4000S	153.0400E	60	From 2011-06-24
Waverly	WVT	Tennessee,U.S.A.	36.1297N	87.8300W	170	From 2011-01-23
Waverly Hall	152A	Georgia,U.S.A.	32.6686N	84.7188W	214	From 2012-04-03
Waxahatchie	FW16	Texas,U.S.A.	32.4819N	96.8972W	215	From 2016-11-15
Waxell Ridge	WAX	Alaska,U.S.A.	60.4500N	142.8520W	975	From 1975-08-22
Waymart	M59A	Pennsylvania,U.S.A.	41.5413N	75.4321W	471	From 2013-06-12
Waynesburg	WAY	Pennsylvania,U.S.A.	39.9017N	80.1850W	329	From 1956-06-01 to 1964-12-31
Waynoka	NOKA	Oklahoma,U.S.A.	36.6347N	98.9319W	476	From 2016-02-18

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Weatherford	FW07	Texas,U.S.A.	32.7025N	97.7861W	310	From 2016-10-19
Weather Observatory	WOB	Hawaii,U.S.A.	19.5385N	155.5830W	3396	
Weaver Farm	KWE	England,United Kingdom	53.0166N	1.8435W	320	From 1988-01-01
Weaverville	WEAV	California	40.7456N	122.9840W	1058	From 2017-12-01
Weber Canyon	WBC	Utah,U.S.A.	41.1397N	111.9008W	1602	
Webster	G32A	South Dakota,U.S.A.	45.2555N	97.4994W	566	From 2010-09-01 to 2012-07-28
Webster	M39A	Iowa,U.S.A.	41.4786N	92.1725W	264	From 2011-06-16 to 2013-05-12
Wedel Dairy, Riceville	J38A	Iowa,U.S.A.	43.3190N	92.4755W	371	From 2010-10-11 to 2012-09-14
Wegel	WGLY	New York,U.S.A.	41.3589N	73.8994W	152	
Weija	WEGH	Ghana	5.5933N	0.3269W	180	From 1987-01-01
Weija Dam	WEIJ	Ghana	5.5885N	0.3333W	203	
Weil am Rhein	WEIL	Baden-Wurttemberg,Germany	47.5932N	7.6009E	249	From 2000-11-16
Weingarten	WEIN	Switzerland	47.5287N	8.9859E	555	From 2003-08-29
Weissweiler	BA03	Nordrhein-Westfalen,Germany	50.8379N	6.3866E	120	From 2006-10-01
Welcome	WEO	Ontario,Canada	44.0187N	78.3743W	149	From 1982-04-30
Welkom	WKM	Orange Free State,South Africa	28.0050S	26.7617E	1340	
Weller Preserve, CA USA	WELL	California	38.4385N	120.7241W	583	From 2019-02-01
Wellesley Island	WLI	New York,U.S.A.	44.3090N	76.0098W	90	From 1974-08-01 to 1976-08-16
Wellington	WEL	North Island,New Zealand	41.2840S	174.7682E	138	From 1884-02-01
Wells	M12A	Nevada,U.S.A.	41.4157N	114.9151W	1930	From 2006-05-05 to 2008-08-09
Wellsville	WVUT	Utah,U.S.A.	41.6102N	111.9590W	1828	From 1979-08-01
Welschbruch	WLS	Alsace,France	48.4133N	7.3533E	775	From 1963-01-01
Wemindji, Quebec	WEMQ	Quebec,Canada	53.0535N	77.9737W	172	From 2005-06-23
Wenas	WNS	Washington,U.S.A.	46.7103N	120.5750W	1000	
Wenatchee	WNW	Washington,U.S.A.	47.5295N	120.1940W	1061	From 1975-06-01
Wenatchee	WEN	Washington,U.S.A.	47.5295N	120.1940W	1061	
Wenatchee Ridge	WRW	Washington,U.S.A.	47.8572N	120.8811W	1189	
Wendo Genet	WNDE	Ethiopia	7.0979N	38.6349E	1841	
Wendover, West Wendover	N13A	Nevada,U.S.A.	40.8556N	114.2045W	1385	From 2006-05-19 to 2008-08-20
Wente Vineyards, Livermore	WENL	California,U.S.A.	37.6221N	121.7570W	138	From 1998-07-15
Wenya	WENY	Malawi	10.1579S	33.5574E	1516	From 2014-07-23 to 2015-11-04
Weppner Ranch, Escalante	S16A	Utah,U.S.A.	37.7222N	111.5961W	1785	From 2007-08-01 to 2009-03-12
Werda	WERD	Sachsen,Germany	50.4476N	12.3064E	589	From 2001-06-13
Werner Place, Edgewood	W23A	New Mexico,U.S.A.	35.1605N	106.1503W	2020	From 2008-04-20 to 2010-03-14
Wernitzgruen	WERN	Sachsen,Germany	50.2874N	12.3761E	672	From 2000-08-02
Werombi	WER	New South Wales,Australia	33.9503S	150.5803E	226	From 1959-01-01
Wesley	DWS	Dominica	15.5685N	61.3113W	61	
Wesleyville	WLVO	Ontario,Canada	43.9236N	78.3970W	70	From 1990-11-07
Wesser Bold	WSSR	North Carolina,U.S.A.	35.2778N	83.5780W	1390	From 1985-11-01 to 2008-02-13
West Acre	WACR	England,United Kingdom	52.7247N	0.6267E	66	From 2011-07-19
West Alisa	AWAL	Egypt	23.3792N	32.5825E		
West Arenal	WARN	Costa Rica	10.4620N	84.7208W	580	
West Ashley	WSS	South Carolina,U.S.A.	32.8468N	80.2717W	9	From 1983-01-01
West Bay, Grand Cayman	WBCY	Cayman Islands	19.3767N	81.3975W	1	From 2011-01-01
Westboro	WGMA	Massachusetts,U.S.A.	42.2890N	71.5850W	130	
West Boundary	YPWB	Montana,U.S.A.	44.6058N	111.1008W	2310	
West Bromwich	WBE	England,United Kingdom	52.5333N	2.0000W	156	
Westbrook Farm, Meadville	344A	Mississippi,U.S.A.	31.4527N	90.7318W	78	From 2011-03-16 to 2012-12-14
West Butte Ranch, Sweetgrass	A16A	Montana,U.S.A.	48.9482N	111.5968W	1394	From 2007-09-16 to 2009-08-11
Westby	A24A	North Dakota,U.S.A.	48.9239N	104.0018W	677	From 2008-09-12 to 2010-07-14
Westby DABS, Erhard	E33A	Minnesota,U.S.A.	46.5035N	96.0054W	428	From 2010-08-20 to 2012-06-24
West Carthage	WCNY	New York,U.S.A.	43.9810N	75.6549W	245	From 2007-06-27
Westchester CC	WCCN	New York,U.S.A.	41.0684N	73.7914W	144	
Westchester Community College	WCC	New York,U.S.A.	41.0585N	73.7918W	100	From 1987-01-01 to 2006-05-18
West Chester University of Pennsylvania, USA	WUPA	Pennsylvania,U.S.A.	39.9324N	75.6060W	86	From 2014-07-01
Westcliffe, S07	SCR07	Colorado	38.0599N	105.3689W	2604	
West corner E0890 Road	OK024	Oklahoma,U.S.A.	35.7251N	97.0579W	302	
Westdahl Beartrack Creek	WEBT	Aleutian Islands, Alaska,U.S.A.	54.5911N	164.7530W	467	From 2009-01-01
Westdahl Cape Sarichef	WECS	Aleutian Islands, Alaska,U.S.A.	54.5309N	164.7776W	642	From 2009-01-01
West Dahl East	WESE	Alaska,U.S.A.	54.4726N	164.5863W	930	
West Dahl North	WESN	Alaska,U.S.A.	54.5685N	164.5833W	549	
Westdahl Peak	WESP	Aleutian Islands, Alaska,U.S.A.	54.4930N	164.7213W	937	From 2009-01-01
West Dahl South	WESS	Alaska,U.S.A.	54.4794N	164.7226W	908	
West Decatur	N56A	Pennsylvania,U.S.A.	40.9171N	78.2953W	561	From 2013-05-21
West end E0370 Rd, Waynoka	OK038	Oklahoma,U.S.A.	36.4782N	98.7422W	443	From 2016-02-17
Western Deep Levels Mine	WDLM	South Africa	26.4238S	27.4222E	1680	From 2009-12-08
Western Traverse Mountains	WTU	Utah,U.S.A.	40.4548N	111.9530W	1579	From 1992-06-09
Westfeld	WESF	Thuringen,Germany	50.5375N	11.2123E	744	From 2012-07-12
Westford	WFM	Massachusetts,U.S.A.	42.6106N	71.4906W	88	From 1976-05-01
Westhalten	WALT	Alsace	47.9657N	7.2765E	353	From 2016-10-06
West Island	COCO	Cocos Islands,Australia	12.1901S	96.8349E	-69	
West Kalabsha	AWKL	Egypt	23.4252N	32.4470E		
West Kanaga	AK1	Alaska,U.S.A.	51.6650N	177.6420W	61	From 1976-10-01 to 1992-02-01
West Kanaga	AT1	Alaska,U.S.A.	51.6650N	177.6420W	61	From 1975-01-01 to 1976-10-31
Westland Maintenance Station	PWMM	California,U.S.A.	36.4328N	120.2110W	72	
West Mesa	WMA	New Mexico,U.S.A.	35.0722N	106.8560W	1804	
West Middle School	WMS	South Carolina,U.S.A.	33.4258N	80.7408W	34	
West Mington	ST13A	Xizang Zizhiqu,China	31.7262N	89.7031E	4596	From 1998-08-06 to 1999-05-09
Westminster Rd and Hefner Rd	OK025	Oklahoma,U.S.A.	35.5811N	97.3379W	348	From 2013-12-18 to 2017-03-18
West Monroe	WMNY	New York,U.S.A.	43.3560N	76.0313W	158	
Westmoorings	TWMO	Trinidad and Tobago	10.6700N	61.5600W	0	
Westmoreland	WEST	New York,U.S.A.	43.1635N	75.4800W	167	
Westmorland	WML	California,U.S.A.	33.0152N	115.6225W	-44	
Westmorland, California	WEMD	California	33.0383N	115.5819W	-45	From 2014-06-11
West Mountain	WMUT	Utah,U.S.A.	40.0767N	111.8330W	1981	From 1981-07-01
West Mountain	WMU	Utah,U.S.A.	40.0883N	111.8230W	2053	From 1973-12-01 to 1981-08-31
West Nyswonger Mesa	PV20	Colorado,U.S.A.	38.3415N	108.9672W	1852	
West of Creede, S12	SCR12	Colorado	37.7926N	107.1352W	2793	
West of Eustis	G62A	Maine,U.S.A.	45.2186N	70.5319W	426	From 2013-09-20
West of Nyma	STW1	Xizang Zizhiqu,China	32.0923N	88.3062E	4614	From 1998-08-02 to 1999-06-01
West of Pagosa Springs, S24	SCR24	Colorado	37.2209N	107.2093W	2095	
Weston	WES	Massachusetts,U.S.A.	42.3847N	71.3221W	60	From 1930-12-01
West Palm Beach	060Z	Florida,U.S.A.	26.4062N	80.5560W	9	From 2012-05-13
West Park	WPNY	New York,U.S.A.	41.8030N	73.9707W	76	From 1978-05-22 to 1986-09-30
West Pit	WPH	Hawaii,U.S.A.	19.4117N	155.2920W	1115	From 1962-10-31 to 1999-08-25
Westpoint	W47A	Tennessee,U.S.A.	35.2511N	87.5946W	293	From 2012-01-23
Westport, CT	WSPT	Connecticut,U.S.A.	41.1700N	73.3300W	50	From 2008-06-19
West Portland	WPO	Oregon,U.S.A.	45.5733N	122.7900W	334	From 1986-10-01
Westray	OWE	Orkney Islands,United Kingdom	59.3180N	3.0289W	87	From 1995-09-21
West Rim	WRMHI	Hawaii,U.S.A.	19.4065N	155.3000W	1163	
West Salem	WSIL	Illinois,U.S.A.	38.4981N	88.0750W	15	
Westside ANR, Five Points	U05C	California,U.S.A.	36.3356N	120.1205W	92	From 2004-12-06 to 2007-12-06
Westside REC, California	WSRE	California	36.3390N	120.1214W	83	From 2018-09-01
Westside School	WESC	California,U.S.A.	32.7590N	115.7316W	-8	
West Thumb	WTW	Wyoming,U.S.A.	44.4145N	110.5710W	2365	From 1972-10-01 to 2004-03-05
West Tongariro	WTVZ	North Island,New Zealand	39.1153S	175.5897E	1186	From 2004-03-04
West Twin Lake	ST30	Xizang Zizhiqu,China	33.0291N	88.8545E	4955	From 1998-07-12 to 1999-06-05
West Valley	WVLY	New York,U.S.A.	42.4708N	78.5683W	600	From 1977-11-03 to 2002-12-20
West Valley, New York	WVNY	New York,U.S.A.	42.4062N	78.6042W	490	From 2010-08-05
West Yellowstone	YWY	Montana,U.S.A.	44.6058N	111.0970W	2292	From 1974-10-01 to 2004-03-05
Wether Hill Road	WHZ	South Island,New Zealand	45.8924S	167.9470E	345	From 1993-03-22
Wettswil, ZR	EWZT2	Switzerland	47.3373N	8.4932E	690	From 2009-08-29
Wettzell	WET	Bayern,Germany	49.1440N	12.8782E	613	From 1975-01-01
Wetumka	W36A	Oklahoma,U.S.A.	35.1393N	96.2264W	251	From 2010-04-13 to 2012-02-01
Wetzens (Niawier)	NIW4	Netherlands	53.3548N	6.0429E	-66	From 2009-05-20
Wetzens (Niawier)	NIW1	Netherlands	53.3548N	6.0429E	24	From 2009-05-20
Wetzens (Niawier)	NIW2	Netherlands	53.3548N	6.0429E	-6	From 2009-05-20
Wetzens (Niawier)	NIW3	Netherlands	53.3548N	6.0429E	-36	From 2009-05-20
Wewak	WEK	Papua New Guinea	3.4236S	143.6875E	10	From 1968-10-24 to 1969-02-28
Wewak	WEWK	Papua New Guinea	3.5846S	143.6444E	120	From 2013-06-28
Wewak	WEW	Papua New Guinea	3.5544S	143.6260E	10	From 1968-09-11
Wewak	WWW	Papua New Guinea	3.5858S	143.6400E	100	From 1982-09-29 to 1999-08-25
Wewakk	WWKK	Papua New Guinea	3.6230S	143.6240E	442	From 1992-05-26
WEWE	WEWE	Namibia	21.2090S	16.8091E	1398	
Whakaora	WHTZ	North Island,New Zealand	38.6660S	175.9575E	822	From 1996-08-17
Whakapapa	WPVZ	North Island,New Zealand	39.2040S	175.5460E	1244	From 2003-12-10
Whakapapataringa	WPRZ	North Island,New Zealand	38.5196S	176.1624E	461	From 2010-03-24
Whakatane	WTZ	North Island,New Zealand	37.9829S	176.9885E	43	From 1971-06-02 to 1990-11-21
Whakatau	WHH	North Island,New Zealand	38.8827S	176.4952E	921	From 1987-03-02 to 1997-05-25

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Whale Back Mountain	WMOR	Oregon,U.S.A.	42.9028N	122.5920W	1860	From 1991-09-01
Whale Island	WHRZ	North Island,New Zealand	37.8557S	176.9748E	375	From 2011-06-27
Whale Pass	U33K	Alaska,U.S.A.	56.1146N	133.1210W	11	From 2016-08-20
Whangaehu Hut	WHVZ	North Island,New Zealand	39.2825S	175.5886E	2050	From 2009-03-25
Wharram Farm, Highwood	C17A	Montana,U.S.A.	47.6327N	110.7626W	1080	From 2007-09-01 to 2009-09-06
Wheatland	L24A	Wyoming,U.S.A.	42.0432N	104.9326W	1479	From 2008-07-13 to 2010-05-11
Wheeler Ranch, Garrison	Q13A	Utah,U.S.A.	38.9551N	114.0202W	1583	From 2007-03-02 to 2008-09-04
Wheeler Ridge	WERC	California,U.S.A.	35.0605N	119.0271W	130	From 2001-10-30 to 2004-07-09
Whigham	453A	Georgia,U.S.A.	30.8541N	84.3197W	82	From 2012-02-08
Whinburgh	AWH	England,United Kingdom	52.6300N	0.9511E	60	From 1980-05-01
Whinny Nab	LWH	England,United Kingdom	54.3335N	0.6714W	265	From 1991-01-01
Whipple	P53A	Ohio,U.S.A.	39.4868N	81.3896W	270	From 2012-08-27
Whipple Mountains 2	WH2	California,U.S.A.	34.3145N	114.4092W	1245	From 1974-10-01
Whiskey Butte	WBI	Idaho,U.S.A.	46.5826N	115.9790W	1341	From 1971-10-01 to 1976-01-14
Whiskeytown Dam	WDC	California,U.S.A.	40.5799N	122.5411W	268	From 1973-01-01
Whistler	WHB	British Columbia,Canada	50.1280N	122.9550W	695	
Whistler	WSLR	British Columbia,Canada	50.1265N	122.9212W	906	
Whitaker Ranch, Olney	Z33A	Texas,U.S.A.	33.2865N	98.7648W	362	From 2009-11-06 to 2011-09-11
White Bluff	WBL	Washington,U.S.A.	46.5983N	119.4590W		
White Castle	544A	Louisiana,U.S.A.	30.1100N	91.1612W	-2	From 2011-02-23 to 2013-02-02
Whiteface	WNH	New Hampshire,U.S.A.	43.8683N	71.3997W	220	From 1976-01-01
Whitefish	B13A	Montana,U.S.A.	48.3739N	114.4676W	933	From 2006-09-25 to 2009-08-07
White Fish Lake	WHFN	Northwest Territories,Canada	62.5592N	107.0865W	365	From 2008-07-10
Whitehall	WLZ	North Island,New Zealand	37.8394S	175.5880E	190	From 1989-10-30 to 1998-12-08
Whitehorse	WH2*	Yukon Territory,Canada	60.6947N	134.9672W	853	From 1966-11-24
Whitehorse	WH2YK	Yukon Territory,Canada	60.6947N	134.9672W	853	From 1966-11-24
Whitehorse	WH-YK	Yukon Territory,Canada	60.7342N	135.1492W	762	From 1965-10-21 to 1965-11-15
Whitehorse	WHC	Yukon Territory,Canada	60.7367N	135.0980W	734	From 1971-09-01 to 1993-08-24
Whitehorse	WHY	Yukon Territory,Canada	60.6597N	134.8806W	1292	From 1993-08-27
Whitehorse	WH-	Yukon Territory,Canada	60.7342N	135.1492W	762	From 1965-10-21 to 1965-11-15
White Island	WIZ	North Island,New Zealand	37.5265S	177.1894E	40	From 1976-12-12
White Island Summit, North Island, New Zealand	WSRZ	North Island,New Zealand	37.5181S	177.1778E	290	From 2013-04-08
White-Moore Ranch, Lipan	134A	Texas,U.S.A.	32.5729N	98.0795W	297	From 2009-11-16 to 2011-09-08
White Mountain	L19K	Alaska	62.1816N	154.8543W	650	From 2015-06-20
White Mountain Lookout Tower, Alberta	WTMTA	Alberta,Canada	55.6942N	119.2398W	1029	From 2014-07-30
White Mtn Res Sta-Crooked Creek, Bishop	S08C	California,U.S.A.	37.4993N	118.1711W	3087	From 2005-08-02 to 2007-10-03
White Oak	X56A	South Carolina,U.S.A.	34.4923N	81.0319W	112	From 2013-02-04
White Oak Lake	WLAR	Arkansas,U.S.A.	33.6875N	93.1120W	77	
White Oak Mountain	WMTN	Tennessee,U.S.A.	35.2480N	84.9732W	378	From 1985-07-24
White Pass	WPW	Washington,U.S.A.	46.6982N	121.5470W	1250	
White Pine	WPM	Michigan,U.S.A.	46.7515N	89.5549W	193	From 1973-01-01
White River	WTRB	British Columbia,Canada	50.1298N	126.0353W	353	From 2005-04-21
White River	YUK2	Yukon Territory,Canada	61.7868N	140.8426W	1229	From 2010-08-28
White River City	O20A	Colorado,U.S.A.	40.1348N	108.2416W	1915	From 2007-11-12
White River Glacier	WRG	Alaska,U.S.A.	60.0378N	142.0320W	550	From 1974-09-10
White Rock	WKB	British Columbia,Canada	49.0437N	122.8180W	110	
White Salmon	F05A	Washington,U.S.A.	45.8839N	121.4588W	454	From 2005-11-02 to 2008-01-26
White Salmon	F05D	Washington,U.S.A.	45.8852N	121.4597W	472	From 2010-08-13
Whitesboro	X38A	Oklahoma,U.S.A.	34.6692N	94.8288W	234	From 2010-06-09 to 2012-02-06
Whites Canyon	WTCR	Nevada,U.S.A.	39.3890N	119.8392W	1890	
Whitestone	H29M	Yukon Territories,Canada	66.2191N	138.3689W	480	From 2017-08-16
White Tail Canyon, San Simon	219A	Arizona,U.S.A.	31.9989N	109.2592W	1581	From 2007-03-10 to 2009-01-19
Whitewater	WWR	California,U.S.A.	33.9918N	116.6560W	702	From 1975-01-01
Whiting	H66A	Maine,U.S.A.	44.7859N	67.3115W	55	From 2013-09-25
Whiting Field	WFF	Florida,U.S.A.	30.7083N	87.0167W		From 1949-01-01 to 1956-12-31
Whitney	WHI	Hawaii,U.S.A.	19.4317N	155.2620W	1210	From 1961-01-01 to 1963-02-01
Whyalla	WHYH	South Australia,Australia	33.0330S	137.5744E	43	From 2009-01-01
Wichita Mountains	WMOK	Oklahoma,U.S.A.	34.7379N	98.7810W	486	From 1992-09-30
Wichita Mountains Array	WMO	Oklahoma,U.S.A.	34.7182N	98.5891W	505	
Wickenburg	Y14A	Arizona,U.S.A.	33.9383N	113.0048W	730	From 2006-03-14 to 2010-05-28
Wied Dalam	WDD	Malta	35.8373N	14.5242E	44	From 1995-07-06
Wiedeman Farm, Cecilia	S48A	Kansas,U.S.A.	37.6574N	86.0569W	238	From 2011-12-08
Wiesbaden	GWBE	Hessen,Germany	50.1076N	8.1814E	271	From 2001-11-22
Wiest Lake	WLK	California,U.S.A.	33.0513N	115.4910W	-52	From 1973-04-16
Wiggins	O25A	Colorado,U.S.A.	40.1129N	104.1201W	1444	From 2008-07-03 to 2010-05-16
Wijnaldum	WYN3	Netherlands	53.1995N	5.4577E	-90	From 2010-03-04
Wijnaldum	WYN2	Netherlands	53.1995N	5.4577E	-60	From 2010-03-04
Wijnaldum	WYN1	Netherlands	53.1995N	5.4577E	-30	From 2010-03-04
Wijnaldum	WYN4	Netherlands	53.1995N	5.4577E	-120	From 2010-03-04
Wila	WILA	Switzerland	47.4147N	8.9075E	908	From 2000-01-12
Wilberts Farm, Edgard	545B	Louisiana,U.S.A.	30.0441N	90.4894W	8	From 2014-01-21
Wilburton Instructional Services Center	WISC	Washington,U.S.A.	47.6089N	122.1744W	10	
Wildcat Mountain	WCT	Nevada,U.S.A.	36.7928N	116.6257W	977	From 1981-04-08
Wildenmoos	RWMO	Bayern,Germany	47.7440N	12.7300E	763	From 2001-04-09
Wildhorse	WLDR	Nevada,U.S.A.	38.8235N	118.5747W	1798	
Wild Horse	WHU	Utah,U.S.A.	39.3806N	112.1700W	1993	From 1974-10-01 to 1981-10-31
Wild Horse Canyon	WLD	Utah,U.S.A.	38.4603N	112.8640W	1804	
Wildhorse Creek, Mackay	I13A	Idaho,U.S.A.	43.9146N	114.1169W	2104	From 2007-01-10 to 2009-06-03
Wild Horse Parks	WHM	Montana,U.S.A.	46.7621N	113.1810W	1792	From 1974-09-06 to 1976-10-04
Wild Horse Valley	WVOR	Oregon,U.S.A.	42.4339N	118.6370W	1344	From 1994-06-01
Wildlife	WLJ	Utah,U.S.A.	40.6133N	111.3447W	2075	From 1992-11-04
Wil, Freihalteflche Egissen, ZH	QEG02	Switzerland	47.6215N	8.5167E	506	From 2016-10-13
WILFRIDO LOOR	WILF	Ecuador	0.2888S	79.5835W	202	From 2016-05-13
Wil, Kantonsschule, SG	SWIK	Switzerland	47.4596N	9.0345E	563	From 2015-11-01
Wilkes	WIL	Wilkes Land	66.2592S	110.5270E	10	From 1957-01-01 to 1966-12-23
Wilkes Camp	WIH	Hawaii,U.S.A.	19.4692N	155.5840W	4037	
Wilkinson Ranch, McDermitt	L09A	Nevada,U.S.A.	42.0192N	117.6667W	1430	From 2006-04-25 to 2008-04-02
Willalooka	WKA	South Australia,Australia	36.4170S	140.3210E	40	From 1979-03-01
Willamette Meridian	K02D	Oregon,U.S.A.	42.6955N	123.6654W	989	From 2010-08-05
Willards	R61A	Maryland,U.S.A.	38.3303N	75.3390W	76	From 2013-05-27
Williams	W15A	Arizona,U.S.A.	35.1787N	112.2666W	2034	From 2006-03-11 to 2008-11-08
Williams	WMZ	Arizona,U.S.A.	35.1581N	112.3200W	2018	From 1986-01-31
Williams	WM-AZ	Arizona,U.S.A.	35.4178N	112.2150W	1920	From 1961-12-12 to 1962-05-03
Williams	WM-	Arizona,U.S.A.	35.4178N	112.2150W	1920	From 1961-12-12 to 1962-05-03
Williamsburg	WBO	Ontario,Canada	45.0003N	75.2750W	85	From 1980-12-09
Williams Family Ranch, Las Cruces	222A	New Mexico,U.S.A.	32.1046N	107.1013W	1324	From 2008-02-14 to 2010-01-17
Williams Farm, Concordia	P33A	Kansas,U.S.A.	39.4363N	97.6946W	488	From 2009-09-20 to 2011-08-23
Williams Fork Res., N02	NCR02	Colorado	40.0951N	106.2062W	2402	
Williams Lake	WK-BC	British Columbia,Canada	52.1786N	121.9817W	975	From 1962-10-17 to 1962-10-27
Williams Lake	WK-	British Columbia,Canada	52.1786N	121.9817W	975	From 1962-10-17 to 1962-10-27
Williamson	S53A	West Virginia,U.S.A.	37.6815N	82.1264W	564	From 2013-01-15
Williamson	Z52A	Georgia,U.S.A.	33.1893N	84.4176W	252	From 2012-04-11
Williamsport	P51A	Ohio,U.S.A.	39.4818N	83.0601W	211	From 2012-07-23
Williams Ranch	WRC	California,U.S.A.	35.2983N	118.6120W	430	From 1952-01-01 to 1953-12-31
Williamstown	K61A	Massachusetts,U.S.A.	42.6695N	73.2676W	391	From 2013-09-26
Williamstown	WLL	Massachusetts,U.S.A.	42.7142N	73.2111W	220	
Williamstown	J57A	New York,U.S.A.	43.4099N	75.9968W	191	From 2013-08-22
Williston	Z56A	South Carolina,U.S.A.	33.3253N	81.3687W	81	From 2013-02-20
Willow	M22K	Alaska	61.7531N	150.1205W	57	From 2015-05-05
Willow Creek	WCU	Utah,U.S.A.	38.9647N	112.0907W	2673	From 1978-02-01
Willow Creek	WICI	Idaho,U.S.A.	44.1750N	113.8870W	2088	
Willow Creek Ranch, Ely	Q12A	Nevada,U.S.A.	39.0400N	114.8299W	1625	From 2006-05-26 to 2008-09-04
Willow Grove Farm, Nelson	Q39A	Missouri,U.S.A.	39.0455N	92.9759W	225	From 2010-12-01 to 2012-09-28
Willow Gulch Bison Ranch, Deer Trail	P25A	Colorado,U.S.A.	39.5125N	104.1680W	1753	From 2008-06-10 to 2010-05-06
Willow Mountain	WLM	Alaska,U.S.A.	61.7736N	145.1980W	988	From 1972-02-24 to 1972-07-22
Willow Spring Farm, Andover	S34A	Kansas,U.S.A.	37.7009N	97.1111W	373	From 2010-03-17 to 2012-03-04
Wills Point	WP-TX	Texas,U.S.A.	32.6069N	95.8861W	161	
Willston	656A	Florida,U.S.A.	29.3689N	82.5348W	28	From 2012-02-16
Willung South	WILL	Victoria,Australia	38.3393S	146.7367E	425	
Willy Bob	ANWB	Barbuda,Antigua and Barbuda	17.6685N	61.7856W	39	
Wilmington	WNC	North Carolina,U.S.A.	34.0581N	78.2461W	20	From 1976-05-03
Wilmington	WNY	New York,U.S.A.	44.3910N	73.8595W	598	From 1971-10-01
Wilpena Pound	FR27	South Australia,Australia	31.5230S	138.6230E	534	From 2003-09-17
Wilshire Harrah	OK002	Oklahoma,U.S.A.	35.5493N	97.1966W	354	
Wilson	WLO	Oklahoma,U.S.A.	34.0648N	97.3697W	284	From 1977-04-25
Wilson Butte	WBW	Washington,U.S.A.	48.0178N	119.1370W	826	From 1975-06-01
Wilson Creek	WCK	Kentucky,U.S.A.	36.9340N	88.8740W	137	From 1974-07-19
Wilson Peak	WPI	Idaho,U.S.A.	43.2889N	116.7500W		
Wilton Park	WTPK	New South Wales	34.2220S	150.6390E	203	From 2016-05-17

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Wilwerwiltz	WILW	Luxembourg	49.9923N	6.0047E	360	From 2011-06-09
Wimauma	957A	Florida,U.S.A.	27.6702N	82.2357W	35	From 2012-02-18
WI Miller and Sons, Farmdale	M53A	Pennsylvania,U.S.A.	41.4393N	80.6750W	334	From 2013-01-14
Wimm, Aham, Bavaria	A148B	Germany	48.5086N	12.4767E	485	From 2016-07-28
Wimmelburg	WIMM	Sachsen-Anhalt,Germany	51.5210N	11.5050E	80	From 2008-07-16
Wimmis	WIMIS	Switzerland	46.6649N	7.6242E	770	From 2000-05-24
Winchester	P42A	Illinois,U.S.A.	39.5853N	90.3443W	197	From 2011-06-19 to 2013-04-14
Windham	WND	New York,U.S.A.	42.3373N	74.1525W	602	From 1976-10-08
Windhoek	WIN	Namibia	22.5667S	17.1000E	1728	From 1959-01-01
WINDLESS BIGHT INFRASONIC ARRAY REFERENCE POINT	I55US	Victoria Land	77.7315S	167.5874E	42	From 2001-12-02
Windom	WD-MN	Minnesota,U.S.A.	44.1161N	95.1550W	381	
Windom	WD-	Minnesota,U.S.A.	44.1161N	95.1550W	381	
Window Rock	V19A	Arizona,U.S.A.	35.7147N	109.0456W	2082	From 2007-05-10 to 2009-02-21
Windsor	WNR	Ontario,Canada	42.2583N	83.1056W	-122	From 1978-03-08 to 1979-04-30
Windswept, Luxemburg	H43A	Wisconsin,U.S.A.	44.4697N	87.7704W	274	From 2011-10-06 to 2013-11-27
Windwhistle	CCH3	South Island	43.4960S	171.7261E	536	
Windy Craggy	WCBC	British Columbia,Canada	59.6278N	137.7160W	750	From 1988-06-10 to 1990-08-06
Windy Craggy	P29M	British Columbia,Canada	59.6304N	137.7381W	679	From 2016-07-15
Windy Hill, Pittsboro	V58A	North Carolina,U.S.A.	35.7940N	79.1150W	127	From 2013-04-22
Windy Ridge, Mt. St. Helens	B202	Washington,U.S.A.	46.2447N	122.1367W	981	
Winespring Bald	WSNC	North Carolina,U.S.A.	35.1725N	83.5806W	1640	
Winneba	WIGH	Ghana	5.3636N	0.6189W	64	From 1987-01-01
Winnemucca	WI-	Nevada,U.S.A.	41.3506N	117.4583W	1524	From 1961-12-10 to 1964-03-03
Winnemucca	WMN	Nevada,U.S.A.	40.9800N	117.9200W	1524	From 1974-03-01 to 1975-07-31
Winnemucca	WI-NV	Nevada,U.S.A.	41.3506N	117.4583W	1524	From 1961-12-10 to 1964-03-03
Winnemucca Valley	WVA	Nevada,U.S.A.	39.9444N	119.8250W	1670	From 1998-05-15
Winner	WN-SD	South Dakota,U.S.A.	43.2522N	100.1961W	792	From 1961-12-01 to 1966-10-31
Winner	WN-	South Dakota,U.S.A.	43.2522N	100.1961W	792	From 1961-12-01 to 1966-10-31
Wino	WINO	Tanzania,United Republic of Tanzania	9.7576S	35.3001E	1486	From 2014-07-13 to 2015-11-04
Winona	Z45A	Mississippi,U.S.A.	33.3705N	89.6913W	113	From 2011-04-19 to 2013-02-04
Winslow	WO-AZ	Arizona,U.S.A.	34.8814N	110.6208W	1585	From 1964-04-01 to 1965-10-04
Winslow	W17A	Arizona,U.S.A.	35.0789N	110.7127W	1461	From 2007-04-28 to 2009-02-04
Winslow	WO-	Arizona,U.S.A.	34.8814N	110.6208W	1585	From 1964-04-01 to 1965-10-04
Winter Ranch, Mooreland	U32A	Oklahoma,U.S.A.	36.3795N	99.0014W	525	From 2009-10-24 to 2012-02-27
Winters	Q03C	California,U.S.A.	38.6333N	122.0145W	108	From 2005-06-28 to 2007-12-04
Wintersburg	Z14A	Arizona,U.S.A.	33.3627N	112.9458W	297	From 2006-03-16 to 2010-05-28
Winterswijk	WTS	Netherlands	51.9956N	6.8100E	43	From 1976-07-01 to 2005-05-27
Winterswijk	NE40	Netherlands	51.9755N	6.7350E	37	
Winterswijk	WTSB	Netherlands	51.9663N	6.7989E	43	
Winterthur Spital, ZH	SWIS	Switzerland	47.5064N	8.7300E	443	From 2015-02-23
Winthrop	B07A	Washington,U.S.A.	48.4607N	120.1197W	781	From 2006-09-15 to 2008-05-15
Wisdom	F14A	Montana,U.S.A.	45.8122N	113.3699W	1851	From 2006-10-19 to 2009-07-09
Wise	T53A	Virginia,U.S.A.	36.9823N	82.5350W	818	From 2013-01-18
Wishkah	WISH	Washington,U.S.A.	47.1172N	123.7699W	45	
Wishkah Elem. School, Wishkah	D03A	Washington,U.S.A.	47.1161N	123.7714W	31	From 2004-09-16 to 2008-02-13
Wister	WIS	California,U.S.A.	33.2760N	115.5930W	-68	
Witchita Falls	WTFS	Texas,U.S.A.	33.7662N	98.4646W	277	From 2016-12-16
Witteveen	NE04	Netherlands	52.8133N	6.6683E		From 1982-07-01
Witteveen	WIT	Netherlands	52.8133N	6.6683E	17	From 1982-07-01
Witton	AWI1	England,United Kingdom	52.8319N	1.4471E	46	From 1983-01-01
Wittsburg Lake	WLA	Arkansas,U.S.A.	35.1860N	90.7160W	113	From 1979-08-02
Witts Springs	V40A	Arkansas,U.S.A.	35.8044N	92.8232W	570	From 2011-02-20 to 2012-11-05
Witu Islands	WITU	New Britain,Papua New Guinea	4.6925S	149.4890E	100	From 1983-11-24
Wivenhoe Hill 3	WWHQ	Queensland,Australia	27.3702S	152.5872E		From 1984-07-12
WK&E Inc. Balko	U30A	Oklahoma,U.S.A.	36.5304N	100.6509W	881	From 2009-04-06 to 2011-03-12
W Memph W Sta	HDAR	Tennessee,U.S.A.	35.1536N	90.0893W	0	
Woert	WOER	Baden-Wurttemberg	49.0164N	10.2639E	476	From 2017-05-01
Wohlen bei Bern, Struchismoos, BE	WOLEN	Switzerland	46.9978N	7.3688E	489	From 2015-05-27
Wolcott	J56A	New York,U.S.A.	43.2760N	76.8579W	93	From 2013-08-18
Wolf Creek Mountain	K15K	Alaska,U.S.A.	62.2938N	161.5308W	346	From 2017-05-29
Wolfeboro	WBNH	New Hampshire,U.S.A.	43.6040N	71.0990W	200	
Wolfsedt, Oberoesterreich, Austria	A031A	Austria	48.4272N	13.4975E	366	From 2015-09-07
Wolkenburger Bergbaurevier	ANNA	Thuringen,Germany	50.8840N	12.6437E	249	From 2014-03-25
Wollersheim	BA14	Nordrhein-Westfalen,Germany	50.6717N	6.5661E	239	From 2006-10-01
Wollman Farm, Schrag	D08A	Washington,U.S.A.	47.0573N	118.9210W	385	From 2006-08-29 to 2008-11-12
Wollongong Hard Rock	WOLH	New South Wales,Australia	34.4071S	150.8740E	77	From 2011-03-23
Wolsey	H31A	South Dakota,U.S.A.	44.4795N	98.4772W	415	From 2010-08-22 to 2012-06-07
Wolven Farm, McFall	O37A	Missouri,U.S.A.	40.1664N	94.1461W	284	From 2010-11-17 to 2012-09-24
Wolverton	WOL	England,United Kingdom	51.3127N	1.2228W	156	
Wolverton North	WON	England,United Kingdom	51.3275N	1.2008W	104	
Wonder Ranch	GWRM	California,U.S.A.	39.2072N	123.3000W	658	
Wongan Hills	WA1	Western Australia,Australia	30.9098S	116.7280E	260	From 1973-01-31 to 1973-05-19
Wonju	KSWON	Republic of Korea	37.3342N	127.9426E	149	From 1999-04-20
Wonju	KSWJU	Republic of Korea	37.4034N	128.0526E	385	From 2005-11-24
Wonju Array Beam Reference Point	KSAR	Republic of Korea	37.4421N	127.8844E	109	
Wonju Array Site 1	KS01	Republic of Korea	37.4766N	127.8940E	185	
Wonju Array Site 10	KS10	Republic of Korea	37.4961N	127.9302E	210	
Wonju Array Site 11	KS11	Republic of Korea	37.4808N	127.9535E	122	
Wonju Array Site 12	KS12	Republic of Korea	37.4644N	127.9427E	176	
Wonju Array Site 13	KS13	Republic of Korea	37.4458N	127.9302E	126	
Wonju Array Site 14	KS14	Republic of Korea	37.4336N	127.9094E	132	
Wonju Array Site 16	KS16	Republic of Korea	37.4516N	127.8557E	123	
Wonju Array Site 17	KS17	Republic of Korea	37.4674N	127.8407E	139	
Wonju Array Site 18	KS18	Republic of Korea	37.4861N	127.8444E	164	
Wonju Array Site 19	KS19	Republic of Korea	37.5019N	127.8669E	276	
Wonju Array Site 2	KS02	Republic of Korea	37.4953N	127.9032E	233	
Wonju Array Site 3	KS03	Republic of Korea	37.4783N	127.9177E	155	
Wonju Array Site 32	KS32	Republic of Korea	37.5778N	127.9519E	232	
Wonju Array Site 33	KS33	Republic of Korea	37.7561N	128.0260E	250	
Wonju Array Site 34	KS34	Republic of Korea	37.6028N	128.1480E	264	
Wonju Array Site 35	KS35	Republic of Korea	37.4694N	128.0685E	177	
Wonju Array Site 36	KS36	Republic of Korea	37.5679N	127.7190E	131	
Wonju Array Site 37	KS37	Republic of Korea	37.7153N	127.7975E	122	
Wonju Array Site 4	KS04	Republic of Korea	37.4566N	127.9207E	123	
Wonju Array Site 5	KS05	Republic of Korea	37.4574N	127.8924E	139	
Wonju Array Site 6	KS06	Republic of Korea	37.4708N	127.8719E	408	
Wonju Array Site 7	KS07	Republic of Korea	37.4874N	127.8727E	237	
Wonju Array Site 8	KS08	Republic of Korea	37.5153N	127.8882E	277	
Wonju Array Site 9	KS09	Republic of Korea	37.5108N	127.9224E	323	
Wonju Array Sites 15 and 31	KS15	Republic of Korea	37.4421N	127.8844E	112	
Wonogiri, Jawa	WOJI	Jawa,Indonesia	7.8372S	110.9236E	0	From 2008-12-01
Wonsan	WOSN	Democratic People's Republic of Korea	39.1645N	127.4217E	10	From 1978-01-01
Woodanilling	WDN1	Western Australia	33.4452S	117.6603E	281	
Wooded Hills, Hulbert	E45A	Michigan,U.S.A.	46.3563N	85.1774W	251	From 2011-09-20
Wooded Island	WIW	Washington,U.S.A.	46.4293N	119.2877W	128	From 1970-07-01
Wood Farm, Starbuck	E09A	Washington,U.S.A.	46.5139N	118.1455W	304	From 2006-09-26 to 2009-01-08
Woodland Fire Station, Mendocino	MNDO	California	39.3144N	123.7439W	182	From 2018-01-01
Woodland Mills	PPYK	Tennessee	36.5000N	89.0500W	90	From 1989-12-14 to 1992-03-14
Woodland Mills	FLDM	Tennessee	36.4825N	89.1235W	82	From 1990-11-28
Woodland Mills	MRSM	Kentucky	36.5367N	89.1023W	90	From 1989-05-24 to 1990-11-25
Woodland Mills, MGDM	NGDN	Tennessee	36.4908N	89.1287W	87	From 1990-05-19
Woodlark Island	WDIS	D'Entrecasteaux Islands,Papua New Guinea	9.0850S	152.7190E	80	From 1983-11-21
Wood River Hill	WRH	Alaska,U.S.A.	64.4713N	148.0900W	314	
Woodside	WDS	California,U.S.A.	37.4180N	122.2720W	280	From 1966-12-21
Woodside	LT6	California,U.S.A.	37.4180N	122.2720W	280	From 1966-12-21
Woodside	JWSM	California,U.S.A.	37.4180N	122.2720W	280	From 1966-12-21
Woodstock	WOO	Maryland,U.S.A.	39.3333N	76.8750W		
Wood Valley	WOH	Hawaii,U.S.A.	19.2513N	155.5020W	909	
Woodville	X49A	Arkansas,U.S.A.	34.5126N	86.3260W	182	From 2011-12-11
Woodward Ranch, Alpine	527A	Texas,U.S.A.	30.1456N	103.6119W	1419	From 2008-03-06 to 2010-02-08
Woody	WDY	California,U.S.A.	35.7000N	118.8430W	500	From 1952-08-05 to 1970-08-27
Woody Point	WPA	Queensland,Australia	27.2603S	153.2560E	10	
Woolen Ranch, Alma	O31A	Nebraska,U.S.A.	40.1521N	99.3261W	631	From 2009-09-13 to 2011-08-20
Woolibar	WOOL	Western Australia,Australia	31.0730S	121.6780E	325	From 1994-06-01
Wooly Hollow	WHAR	Arkansas,U.S.A.	35.2902N	92.2885W	184	
Wooly Knot Farm, English	R47A	Indiana,U.S.A.	38.2957N	86.5270W	181	From 2011-11-25
Woomera	WMRG	South Australia	31.1046S	136.7634E	155	From 1981-10-07
Woomera	WSA	South Australia,Australia	31.1450S	136.8050E		
Woowoonga Park, Biggenden, Queensland, Australia	WOOW	Queensland	25.4755S	152.0799E	128	From 2017-01-10

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Worcester	WOR	Massachusetts,U.S.A.	42.2667N	71.8000W	203	
Workman Tunnel	WTX	New Mexico,U.S.A.	34.0722N	106.9460W	1555	
Work Ranch	WKR	California,U.S.A.	35.8145N	120.5110W	503	
Work Ranch	PWKM	California,U.S.A.	35.8145N	120.5110W	503	
Work Ranch	PK2	California,U.S.A.	35.8145N	120.5110W	503	
Worland	I20A	Wyoming,U.S.A.	43.9496N	108.1283W	1342	From 2008-07-27 to 2010-09-13
Wormeldange-Haut	WMG	Luxembourg	49.6106N	6.3907E	229	From 2013-06-19
Woronora	WRNM	New South Wales,Australia	34.1414S	150.9516E	259	
Worthington Mountains	WRN	Nevada,U.S.A.	37.9815N	115.5906W	1743	From 1979-06-08 to 2002-10-10
Woss	WOSB	British Columbia,Canada	50.1607N	126.5704W	955	
Woudbloem	WDB	Netherlands	53.2090N	6.7349E	-2	
Woudbloem 1	WDB1	Netherlands	53.2083N	6.7355E	-49	From 2010-04-29
Woudbloem 2	WDB2	Netherlands	53.2083N	6.7355E	-99	From 2010-04-29
Woudbloem 3	WDB3	Netherlands	53.2083N	6.7355E	-149	From 2010-04-29
Woudbloem 4	WDB4	Netherlands	53.2083N	6.7355E	-199	From 2010-04-29
Wrangell Chichokna Glacier	WACK	Alaska,U.S.A.	61.9863N	144.3284W	2280	
Wrangell Island	WRAK	Alaska,U.S.A.	56.4191N	132.3466W	80	From 2006-08-28
Wrangell Mount Zanetti	WAZA	Alaska,U.S.A.	62.0751N	144.1522W	2531	
Wrangell North Crater	WANC	Alaska,U.S.A.	62.0031N	144.0699W	4190	
Wrangell Southwest	WASW	Alaska,U.S.A.	61.9282N	144.1724W	2196	
Wrenshall	E37A	Minnesota,U.S.A.	46.5658N	92.4000W	304	From 2010-10-16 to 2012-08-05
Wright Ranch	NWRM	California,U.S.A.	38.4570N	122.8880W	50	From 1970-08-14
Wright's Hill	WHW	North Island,New Zealand	41.2958S	174.7382E	383	From 1975-09-26 to 1985-09-30
Wright State University--Celina	WSCO	Ohio,U.S.A.	40.5460N	84.5090W	270	
Wright State University--Dayton	WSDO	Ohio,U.S.A.	39.7830N	84.0630W	289	
Wrigley	WRGLY	Yukon Territory,Canada	63.2281N	123.4584W	129	From 2013-07-01
Wristen Ranch, Grandfalls	328A	Texas,U.S.A.	31.3818N	102.8097W	755	From 2008-04-22 to 2010-02-13
Wroclaw	BRE	Poland	51.0742N	16.9994E	125	From 1928-01-01 to 1945-01-01
WSKAK	WSKAK	Saudi Arabia	30.3307N	39.0879E	100	
WTBKS	WTBKS	Saudi Arabia	28.0840N	35.9120E	1100	
Wuchale	WUCE	Ethiopia	11.5116N	39.6064E	1912	
Wuestenhain	WUET	Sachsen,Germany	51.0093N	12.5802E	196	From 2004-07-08
Wufeng	WWF	Taiwan region	24.0427N	120.6983E	116	From 2014-12-22
Wufeng Township	NFF	Taiwan region	24.6319N	121.1177E	655	From 2015-12-04
Wu-fen Shan	WFSB	Taiwan region	25.0710N	121.7810E	100	
Wu-fen Shan	NWF	Taiwan region	25.0710N	121.7810E	765	
Wuhan	WUC	Hubei,China	30.5436N	114.3500E	26	
Wuhan	WUH	Hubei,China	30.5267N	114.5580E	50	
Wuhan	WHN	Hubei,China	30.5436N	114.3500E	26	
Wulai	NWLT	Taiwan region	24.7772N	121.5025E	397	
Wulai	TWU	Taiwan region	24.8775N	121.5336E	330	From 1977-11-08
Wupatki	WUAZ	Arizona,U.S.A.	35.5169N	111.3739W	1592	From 1998-05-12
Wushi	WUS	Xinjiang Uygur Zizhiqu,China	41.1990N	79.2180E	1457	From 1988-10-21
Wusi	VWUSI	Vanuatu	15.3669S	166.6593E	40	
Wuta	EWUT	Taiwan region	24.4453N	121.7783E	37	From 2015-02-06
Wuwei	WUW	Gansu,China	37.9283N	102.6380E		
Wyalkatchem	WYAL	Western Australia	31.2360S	117.5610E	300	
Wyandotte	OWYM	California,U.S.A.	39.4530N	121.4870W	168	
Wyandotte	OWAM	California,U.S.A.	39.4530N	121.4870W	168	From 1975-08-05
Wyandotte Cave	WCI	Indiana,U.S.A.	38.2290N	86.2938W	210	From 2010-08-23
Wyangala	WYA	New South Wales,Australia	33.9269S	148.9240E		
Wyevale	H52A	Ontario,Canada	44.6422N	79.8888W	209	From 2012-11-16
Wyhlen	WYH	Baden-Wurttemberg,Germany	47.5508N	7.7018E	310	From 1987-04-14 to 2020-02-01
Wykoff	WF-	Minnesota,U.S.A.	43.8014N	92.3731W	381	From 1964-08-30 to 1964-11-24
Wykoff	WF-MN	Minnesota,U.S.A.	43.8014N	92.3731W	381	From 1964-08-30 to 1964-11-24
Wynnburg	WYBT	Tennessee,U.S.A.	36.3477N	89.4975W	82	
Wynne	WY-AR	Arkansas,U.S.A.	35.6122N	90.7069W	122	
Wynne	WY-	Arkansas,U.S.A.	35.6122N	90.7069W	122	
Wyoming Array	WY0	Wyoming,U.S.A.	42.7778N	109.5560W	2190	From 1977-06-20 to 1999-08-25
Wyoming Array	WYO	Wyoming,U.S.A.	42.7778N	109.5556W	2190	From 1977-06-20 to 1999-08-25
Xaffevillers	XAFF	Lorraine	48.4071N	6.6195E	279	From 2018-04-05
Xaffevillers, 88527, Vosges, Alsace-Champagne-Ardenne-Lorraine	A211A	France	48.4071N	6.6195E	279	From 2016-05-19
Xalapa	XALA	Veracruz	19.5298N	96.9018W	1367	
Xanthi	XAN2	Greece	41.1420N	24.8908E	31	From 2011-06-01
X Bar L Ranch, Newkirk	W25A	New Mexico,U.S.A.	35.2177N	104.4606W	1446	From 2008-04-24 to 2010-04-07
Xhotanan	XTNZ	Armenia	39.2800N	46.3800E	0	
Xi'an	SPE	Shaanxi,China	34.0394N	108.9210E	630	
Xi'an	XAN	Shaanxi,China	34.0394N	108.9214E	630	
Xi'an	SIA	Shaanxi,China	34.2483N	108.9200E	395	
Xianghu	ZPXH	Taiwan region	25.4060N	117.6560E	45	From 2011-07-25
XiLinHaoTe	XLT	Inner Mongolia	43.8998N	116.0805E	1027	From 2009-01-01
Xinbi	SSPT	Taiwan region	22.4835N	120.5681E	16	From 2011-12-29
Xindian District, New Taipei City	NHDH	Taiwan region	24.9630N	121.5250E	41	From 2013-01-18
Xingo	XIN	Alagoas,Brazil	9.4483S	37.8364W	285	From 1991-01-01
Xining	SNN	Qinghai,China	36.6200N	101.7820E		
Xinwu Township	NHW	Taiwan region	25.0067N	121.0475E	133	From 2013-11-04
Xinyi Township	WHYT	Taiwan region	23.6961N	120.8532E	504	From 2013-01-18
Xiulin Township	ETLH	Taiwan region	24.2068N	121.4818E	849	From 2013-01-18
Xiulin Township	LXIB	Taiwan region	24.0211N	121.4133E	1327	From 2017-06-19
Xochimilco	XCVM	Mexico D.F.	19.2527N	99.1168W	2254	
Xorichti	XOR	Greece	39.3661N	23.1919E	500	From 1996-01-01
Xuru	ST07	Xizang Zizhiqu,China	31.2262N	90.0702E	5079	From 1998-07-16 to 1999-05-27
Xyronomi	S019	Greece	38.2590N	23.0650E	252	
Yaak	YKM	Montana,U.S.A.	48.8620N	115.7120W	1509	From 1976-10-01 to 2004-03-11
Yaak River Ranch, Troy	A12A	Montana,U.S.A.	48.9339N	115.6526W	928	From 2006-09-27 to 2009-08-05
YACYRETA	YCA	Parana,Brazil	27.4815S	56.6928W	113	From 2002-06-28
Yadsworthy	DYA	England,United Kingdom	50.4352N	3.9309W	280	From 1982-01-01
Yagi	YGI	Wakayama,Japan	34.0681N	135.5119E	180	
Yagi	YAG	Nara,Japan	34.5167N	135.8000E	63	
Yagishiri	JYG	Rumoi,Japan	44.4268N	141.4265E	35	
Yagodnoe	YAGS	Magadanskaya Oblast',Russia	62.5300N	149.6200E	480	
Yagoua, CM31	ACM31	Cameroon	10.3270N	15.2620E	306	
Yahiko	YHKE	Niigata,Japan	37.7336N	138.8030E	30	
Yahtse	YAH	Alaska,U.S.A.	60.3633N	141.7450W	2135	From 1974-09-05
Yahuarcocha	YAHU	Ecuador	0.3699N	78.0714W	3044	From 2011-10-14
Yailyu, Altay Republic, Russia	YALR	Altayskiy Kray,Russia	51.7694N	87.6106E	451	From 2002-07-19
Yakak	AD5	Alaska,U.S.A.	51.6289N	176.9250W	152	From 1974-01-01 to 1992-02-01
Yakataga	YKGM	Alaska,U.S.A.	60.0700N	142.4220W	46	From 1972-10-08
Yakedake	YKE	Gifu,Japan	36.2743N	137.5730E	1160	
Yakhch	YAKH	Tajikistan	38.8163N	69.9590E	1327	From 1954-07-05
Yakima	YA-	Washington,U.S.A.	46.5000N	119.9200W	610	From 1963-01-29 to 1963-03-29
Yakima	YA2	Washington,U.S.A.	46.5265N	120.5312W	652	
Yakima	YA-WA	Washington,U.S.A.	46.5000N	119.9200W	610	From 1963-01-29 to 1963-03-29
Yakima	YAKW	Washington,U.S.A.	46.5287N	120.5218W	629	
Yakima	E06A	Washington,U.S.A.	46.5433N	120.9791W	911	From 2006-08-28 to 2008-05-13
Yakoun River	QURY	British Columbia,Canada	53.3763N	132.2225W	238	
Yakumo	JYM	O shima,Japan	42.2012N	140.2533E	170	
Yakumo 2	JYM2	O shima,Japan	42.1172N	140.3700E	120	
Yakuplu-Istanbul	YKBL	Turkey	40.9908N	28.6675E	139	From 2011-01-01
Yaku shima	YKS	Ryukyu Islands,Japan	30.4500N	130.4970E	15	
Yakushimahirauchi	JYAK	Ryukyu Islands,Japan	30.2378N	130.5097E	90	From 2010-02-01
Yakutat	YKU	Alaska,U.S.A.	59.5531N	139.7290W	20	From 1978-05-01 to 2004-05-13
Yakutat	YKT	Alaska,U.S.A.	59.3686N	138.8770W	372	From 1972-10-06 to 1974-09-30
Yakutat	YKU2	Alaska,U.S.A.	59.5121N	139.6710W	10	
Yakutsk	YAK	Sakha,Russia	62.0311N	129.6811E	91	
Yalozu-CANKIRI	YALI	Turkey	40.7676N	32.9822E	1217	From 2019-12-20
Yaldymych	YAT	Tajikistan	39.0500N	70.4300E	1410	
Yale	YLE	Connecticut,U.S.A.	41.3150N	72.9365W	5	
Yalikavak-Bodrum	YKAV	Turkey	37.1245N	27.2800E	112	From 2011-04-18
Yalıkoy-Catalca	KIYI	Turkey	41.4846N	28.2997E	10	From 2011-01-12
Yalikoy Yolu	CTYL	Turkey	41.4750N	28.2891E	77	From 2007-09-29
Yallahs	YHJ	Jamaica	17.8920N	76.4930W	600	
Yalova	CFTB	Turkey	40.6642N	29.2993E	0	From 2014-01-01
Yalova	SDSN	Turkey	40.5753N	29.1500E	229	From 2009-06-14
Yalova	YLVH	Turkey	40.6953N	29.3705E	1	From 2011-01-01
Yalova	YLV	Turkey	40.5667N	29.3728E	829	From 1982-01-01
Yalova Cinnet	YALV	Turkey	40.6600N	29.4650E	300	From 2009-01-01
Yalova, Merkez, Kurtkoy	KURT	Turkey	40.5905N	29.2092E	122	From 2015-11-18
Yalta	YAL	Crimea	44.4875N	34.1547E	23	

Station Name	*Code*	*Location*	*Geographical Co-ordinates*		*Altitude m*	*Remark*
Yalta	MI20	Crimea	44.4800N	34.1500E	23	From 2012-12-01
Yamagata	YAMJ	Yamagata,Japan	38.1733N	140.0370E	180	From 1978-01-01
Yamagata	YAM	Yamagata,Japan	38.2533N	140.3483E	153	
Yamagatataniai	JYTA	Gifu,Japan	35.5937N	136.7355E	109	From 2012-11-01
Yamagatayuza	JYYZ	Yamagata,Japan	39.0162N	139.9305E	28	
Yamanlar	YAMN	Turkey	38.5531N	27.1575E	997	From 1996-04-01 to 1999-07-01
Yamasaki	K02	Iwate,Japan	39.3744N	141.5967E	346	
Yamasaki	YZT	Hyogo,Japan	35.1030N	134.5065E	320	
Yamba Lake	YMBN	Northwest Territories,Canada	64.8742N	111.5325W	438	
Yamba Lake Northeast	YNEN	Northwest Territories,Canada	65.0883N	111.0500W	463	
Yambol	JMB	Bulgaria	42.4911N	26.5297E	210	From 1983-08-01
Yamhill	G03A	Oregon,U.S.A.	45.3153N	123.2811W	208	From 2006-07-15 to 2008-01-25
Yamizo	YMZU	Tochigi,Japan	36.9232N	140.2460E	500	From 1976-06-18
Yamizo	YMZ	Tochigi,Japan	36.9241N	140.2479E	500	From 1976-06-18
Yampa, N01	NCR01	Colorado	40.1402N	106.8849W	2430	
Yana	YANA	Ecuador	0.1182S	78.5712W	3780	From 1988-09-27
Yanaizu	JFY	Fukushima,Japan	37.4068N	139.7048E	420	
Yanbu	RYNBS	Saudi Arabia	24.0550N	38.1690E	15	
Yanbu` al Bahr	YNBS	Saudi Arabia	24.3396N	37.9939E	210	
Yanceyville	IP06	Virginia,U.S.A.	37.9334N	77.9815W	114	
Yangibazar	YBZ	Uzbekistan	41.3021N	69.5852E	623	
Yangiyul	YNGY	Uzbekistan	41.1065N	69.0344E	352	
Yangoru	YAN	Papua New Guinea	3.6583S	143.2920E	219	
Yangpyeong	YAPA	Republic of Korea	37.4890N	127.4943E	9	From 2011-10-04
YANGPYEONG	KSYAP	Republic of Korea	37.4848N	127.4913E	47	From 2000-01-27
Yangyang	YAYB	Republic of Korea	38.0194N	128.8231E	-50	From 2018-03-09
Yanhouchang	SXFK	Taiwan region	26.3989N	117.6450E	414	From 2011-07-21
Yanliau Village	TEYL	Taiwan region	23.8680N	121.5980E	30	From 1998-08-07
Yantzaza	YANT	Ecuador	3.8616S	78.7622W	888	From 2008-12-11
Yaongyimsen	YYI	Assam,India	26.5667N	94.6833E	707	From 1979-01-01
Yaounde	YND	Cameroon	3.8700N	11.4600E	750	From 1982-02-01 to 1986-04-23
Yappala Station, SA	YAPP	South Australia	31.8663S	138.3119E	266	From 2018-06-23
Yaqui Meadows	YAQ	California,U.S.A.	33.1680N	116.3500W	441	
Yar	YAR	Cuba	20.3700N	76.3600W	200	
Yardimli	YRD	Azerbaijan	38.9162N	48.2409E	1800	From 2013-10-15
Yarimca-Ladik(Samsun)	YARM	Turkey	40.9230N	35.8266E	930	From 2013-12-05
Yaro	YALB	Republic of Korea	35.7279N	128.1934E	297	From 2018-03-09
Yarramundi, NSW	YARR	New South Wales	33.6174S	150.6877E	18	From 2017-02-02
Yaruga	YRG	Sakha,Russia	57.4900N	123.0700E	780	From 1989-01-01
Yasaka	JKY	Kyoto,Japan	35.6285N	135.1040E	260	
Yasato	JYT	Ibaraki,Japan	36.2277N	140.1940E	31	
Yasawairara	YSA	Fiji	16.6980S	177.5777E	50	From 1984-09-22
Yasnyy	YASS	Amurskaya Oblast',Russia	53.3000N	128.0000E	340	
Yasnyy	YASR	Amurskaya Oblast',Russia	53.2900N	127.9800E	330	
Yasuok	JNY	Nagano,Japan	35.3583N	137.8617E	800	
Yate Dam	BAYA	New Caledonia	22.1540S	166.8850E	163	From 2007-10-01
Yates City	N42A	Illinois,U.S.A.	40.8290N	90.0345W	205	From 2011-08-18 to 2013-04-14
Yattir	YTIR	Israel	31.3630N	35.1160E	902	
Yautepec	YAIG	Morelos,Mexico	18.8620N	99.0670W	1340	
Yava	X14A	Arizona,U.S.A.	34.4692N	112.8906W	1077	From 2006-03-12 to 2008-11-06
Yavi	YJA	Jujuy,Argentina	22.1759S	65.5142W	3510	From 1981-12-01
Yaylacik	YYLC	Turkey	40.3036N	28.8169E	241	From 2013-04-09
Yayladag	YAYL	Turkey	36.0343N	36.1070E	1225	From 2006-11-27
Yaylak	YAYX	Turkey	38.9386N	33.8115E	1142	From 2010-06-30
Yayoi	YAY	Aomori,Japan	40.6572N	140.3782E	270	
Yazd	YZKH	Iran	32.3901N	54.5916E	1000	
Yeager Farm, Coffeeville	Y45A	Mississippi,U.S.A.	33.8656N	89.5431W	106	From 2011-04-16 to 2013-02-06
Yebes (Guadalajara)	YEBES	Spain	40.5238N	3.0901W	917	From 2019-09-18
Yechar (Murcia)	E1002	Spain	38.0723N	1.4397W	285	From 2018-01-11 to 2018-06-26
Yecheon	KSYCH	Republic of Korea	36.6296N	128.4260E	94	From 2007-12-12
Yedisu-Bingol	YEDI	Turkey	39.4377N	40.5443E	1557	From 2011-05-03
Yeelanna, site6	YE6	South Australia,Australia	34.1589S	135.8323E	180	From 2003-12-11
Yeguas Mountain	YEG	California,U.S.A.	35.4363N	119.9590W	939	
Yeheng	YHNB	Taiwan region	24.6697N	121.3757E	775	
Yelapa	YELA	Jalisco	20.4748N	105.4618W	642	
Yell	YEL1	Shetland Islands,United Kingdom	60.5509N	1.0830W	203	From 1979-01-01
Yell	YELU	Shetland Islands,United Kingdom	60.5509N	1.0830W	200	
Yellepit	YPT	Washington,U.S.A.	46.0488N	118.9622W	325	
Yellice	YELT	Turkey	40.4962N	29.1738E	765	From 1994-01-01
Yellow Bay	YBMT	Montana,U.S.A.	47.8633N	114.0115W	1415	
Yellow Creek Bluff	YCB	Alaska,U.S.A.	56.6483N	158.6820W	320	From 1974-01-01
Yellowknife	YKC	Northwest Territories,Canada	62.4783N	114.4730W	198	From 1964-07-15
Yellowknife	RSNT	Northwest Territories,Canada	62.4797N	114.5920W	50	From 1982-01-01 to 1987-12-31
Yellowknife Ar.	YKR8	Northwest Territories,Canada	62.4932N	114.6050W	197	From 1962-01-01
Yellowknife Array	YKR0	Northwest Territories,Canada	62.4931N	114.5090W	205	From 1962-01-01 to 1976-05-31
Yellowknife Array Beam Reference Point	YKA	Northwest Territories,Canada	62.4932N	114.6053W	197	From 1962-01-01
Yellowknife Array Site B0	YKB0	Northwest Territories,Canada	62.6059N	114.6050W	221	From 1962-01-01
Yellowknife Array Site B1	YKB1	Northwest Territories,Canada	62.4024N	114.6054W	172	From 1962-01-01
Yellowknife Array Site B2	YKB2	Northwest Territories,Canada	62.4248N	114.6054W	180	From 1962-01-01
Yellowknife Array Site B3	YKB3	Northwest Territories,Canada	62.4486N	114.6052W	187	From 1962-01-01
Yellowknife Array Site B4	YKB4	Northwest Territories,Canada	62.4711N	114.6049W	192	From 1962-01-01
Yellowknife Array Site B6	YKB6	Northwest Territories,Canada	62.5165N	114.6050W	202	From 1962-01-01
Yellowknife Array Site B7	YKB7	Northwest Territories,Canada	62.5390N	114.6053W	204	From 1962-01-01
Yellowknife Array Site B8	YKB8	Northwest Territories,Canada	62.5616N	114.6047W	197	From 1962-01-01
Yellowknife Array Site B9	YKB9	Northwest Territories,Canada	62.5829N	114.6039W	213	From 1962-01-01
Yellowknife Array Site R1	YKR1	Northwest Territories,Canada	62.4927N	114.9456W	170	From 1962-01-01
Yellowknife Array Site R2	YKR2	Northwest Territories,Canada	62.4928N	114.8964W	175	From 1962-01-01
Yellowknife Array Site R3	YKR3	Northwest Territories,Canada	62.4930N	114.8477W	176	From 1962-01-01
Yellowknife Array Site R4	YKR4	Northwest Territories,Canada	62.4928N	114.7995W	173	From 1962-01-01
Yellowknife Array Site R5	YKR5	Northwest Territories,Canada	62.4933N	114.7499W	182	From 1962-01-01
Yellowknife Array Site R6	YKR6	Northwest Territories,Canada	62.4933N	114.7014W	192	From 1962-01-01
Yellowknife Array Site R7	YKR7	Northwest Territories,Canada	62.4934N	114.6537W	198	From 1962-01-01
Yellowknife Array Site R9	YKR9	Northwest Territories,Canada	62.4932N	114.5558W	201	From 1962-01-01
Yellowknife Array Sites B5 and R8	YKB5	Northwest Territories,Canada	62.4932N	114.6053W	196	From 1962-01-01
Yellowknife Array Site W1	YKW1	Northwest Territories,Canada	62.4932N	114.5090W	198	
Yellowknife Array Site W2	YKW2	Northwest Territories,Canada	62.4248N	114.6054W	200	
Yellowknife Array Site W3	YKW3	Northwest Territories,Canada	62.5608N	114.6160W	198	
Yellowknife Array site W4	YKW4	Northwest Territories,Canada	62.4922N	114.7419W	200	
Yellowknife White 1	YKAW1	Northwest Territories	62.4822N	114.4842W	198	From 2013-07-15
Yellowknife White 3	YKAW3	Northwest Territories	62.5616N	114.6099W	196	From 2013-07-15
Yellowpoint	PHYB	British Columbia,Canada	49.0828N	123.8431W	0	From 2004-05-05
Yellow Rock	YEL	Washington,U.S.A.	46.2096N	122.1890W	1750	
Yellowstone Norris Museum	YNM	Wyoming,U.S.A.	44.7265N	110.7037W	2311	From 2012-01-25
Yellowstone Northeast Entrance	YNE	Montana,U.S.A.	45.0076N	110.0080W	2343	From 2011-08-21
Yellowstone Ranch, Lander	K20A	Wyoming,U.S.A.	42.6579N	108.3418W	1736	From 2007-11-09 to 2009-10-08
Yellville	U40A	Arkansas,U.S.A.	36.3563N	92.8535W	374	From 2011-01-27
Yelwa, CM29	ACM29	Cameroon	9.3470N	13.3850E	243	
Yemen, LBO	LBOA	Yemen	13.5200N	45.1400E	537	
Yemen, SAN	ASAN	Yemen	15.2300N	44.1200E	2699	
Yemen, TRB	ATRB	Yemen	13.2080N	44.1250E	1601	
Yemen, UDY	UDY	Yemen	13.9670N	43.9900E	1313	
Yenicaga	BCAM	Turkey	40.8158N	32.0656E	1207	From 2009-11-25
YENICE	YNCM	Turkey	39.9362N	27.2422E	277	From 2018-02-08
Yenice-Canakkale	YENI	Turkey	39.9364N	27.2416E	278	From 2018-04-18
Yen Tu	YTV	Vietnam	21.1570N	106.7170E	0	From 2001-01-01
YEONCHEON	YNCB	Republic of Korea	38.0399N	126.9258E	56	From 2009-01-01
Yeongam	YOA0	Republic of Korea	34.7655N	126.7379E	151	From 2016-05-31
Yeongcheon	YOCB	Republic of Korea	35.9771N	128.9511E	123	From 2015-10-01
YEONGCHEON	KSYOC	Republic of Korea	35.9713N	128.9522E	94	From 2000-11-20
Yeongdeok	YODB	Republic of Korea	36.5333N	129.4095E	72	From 2015-10-01
Yeongdeok	KSYOD	Republic of Korea	36.5000N	129.4000E	41	From 2000-03-09
Yeonggwang	YENG	Republic of Korea	35.2837N	126.4772E	73	From 2007-12-12
YEONGJU	KSYOJ	Republic of Korea	36.8680N	128.5181E	210	From 2000-11-22
Yeongwol	KSYOW	Republic of Korea	37.1737N	128.4558E	239	From 2000-02-22
Yeongyang	YEYB	Republic of Korea	36.6251N	129.0880E	160	From 2016-05-31
Yeonpyeongdo	YPDB	Republic of Korea	37.6080N	125.7102E	73	From 2015-10-01
Yeosu	KSYOS	Republic of Korea	34.7350N	127.7390E	66	From 2000-02-09
YEOSU	KSYSU	Republic of Korea	35.1027N	127.5968E	557	From 2006-12-30
Yeoundo	YNDB	Republic of Korea	34.4323N	127.8011E	29	From 2015-10-01

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Yerba Buena Island	CYBM	California,U.S.A.	37.8113N	122.3610W	24	
Yerba Buena Island	YBIB	California,U.S.A.	37.8142N	122.3592W	-88	
Yeremizino-Borisovskaya	ERBR	Krasnodarskiy Kray,Russia	45.7146N	40.4835E	286	From 2009-10-07
Yerevan	ERE	Armenia	40.1700N	44.4700E	998	From 1932-01-01
Yerington	YERR	Nevada,U.S.A.	38.9852N	119.2406W	1857	
Yerkesik	YER	Turkey	37.1347N	28.2828E	730	From 1974-07-01
Yerranderie	YERM	New South Wales,Australia	34.1425S	150.2321E	554	
Yesan	YSAB	Republic of Korea	36.7421N	126.8156E	-29	From 2016-05-31
Yeshan	MHZQ	Taiwan region	26.1000N	119.0300E	0	From 2011-07-22
Yesilovacik-Mersin	YESI	Turkey	36.1957N	33.6421E	27	From 2011-07-01
Yesilyurt	YESY	Turkey	37.7825N	33.7431E	1206	From 2010-06-30
YHAZ	YHAZ	Israel	29.6230N	34.8770E	777	From 1985-11-01 to 1988-03-31
YHOZ	YHOZ	Israel	29.6170N	34.8740E	0	From 1984-01-01 to 1985-11-30
Yigitali	YGTL	Turkey	40.1762N	29.0233E	587	From 2013-04-10
Yijhu	ICHU	Taiwan region	23.3606N	120.2793E	37	From 2014-07-28
Yiju	CHN8	Taiwan region	23.3460N	120.2110E	6	
Yilanlidag	MUGL	Turkey	37.2075N	28.4675E	1465	From 2002-11-08 to 2003-05-25
Yinchuan	YNC	Ningxia,China	38.4750N	106.2700E		
Yingkou	YIN	Liaoning,China	40.6667N	122.2333E	2	From 1934-01-01 to 1937-12-31
Ylip, Raahe	OBF2	Finland	64.5600N	24.4800E	30	From 2013-08-01
Ylistaro	VAF	Finland	63.0422N	22.6715E	55	From 1989-06-06
YLMLM	YLMLM	Saudi Arabia	20.7738N	39.9442E	100	
YM01	YM01	Taiwan region	25.1464N	121.5700E	469	From 2008-02-26
YM03	YM03	Taiwan region	25.1792N	121.5397E	714	From 2008-01-17
YM04	YM04	Taiwan region	25.1537N	121.5363E	369	From 2008-02-24
YM05	YM05	Taiwan region	25.1640N	121.5655E	724	From 2005-10-05
YM06	YM06	Taiwan region	25.1520N	121.6026E	467	From 2005-10-05
YM07	YM07	Taiwan region	25.1754N	121.6204E	456	From 2005-10-11
YM08	YM08	Taiwan region	25.1879N	121.5896E	321	From 2005-10-04
YM09	YM09	Taiwan region	25.2433N	121.5620E	510	From 2008-04-15
YM10	YM10	Taiwan region	25.1555N	121.5609E	615	From 2007-01-24
YM11	YM11	Taiwan region	25.1657N	121.5741E	758	From 2007-04-14
YM12	YM12	Taiwan region	25.1813N	121.5693E	363	From 2007-04-12
YMCA Camp	YCM	Montana,U.S.A.	46.5256N	112.3940W	1597	From 1974-08-06 to 1976-10-04
Yocalla	BB06	Bolivia	19.3897S	65.9105W	3421	From 2012-01-12
Yogyakarta	YOGI	Jawa,Indonesia	7.8166S	110.2949E	160	From 2005-12-01
Yokadouma, CM03	ACM03	Cameroon	2.5190N	15.0340E	470	
Yokaichiba	YKI	Chiba,Japan	35.7185N	140.5088E	-142	
Yokjido	YKDB	Republic of Korea	34.6224N	128.2734E	113	From 2015-10-01
Yoko, CM17	ACM17	Cameroon	5.5460N	12.3120E	924	
Yokohama	YOK	Kanagawa,Japan	35.4367N	139.6567E	38	
Yokooka	YOKT	Akita,Japan	39.1600N	139.9800E	260	
Yokosk	JYO	Kanagawa,Japan	35.2238N	139.6653E	80	
Yokosuka	YSK	Kanagawa,Japan	35.3167N	139.6500E		
Yo Moklole	YOMI	Irian Jaya,Indonesia	2.6428S	140.5600E	260	
Yonago	YON	Tottori,Japan	35.4317N	133.3417E	7	
Yonago 2	YONJ	Tottori,Japan	35.1883N	133.4630E	320	
Yonaguni jima	YOJ	Ryukyu Islands,Japan	24.4617N	123.0108E	32	
Yonaguni jima 2	JYJ	Ryukyu Islands,Japan	24.4502N	122.9437E	22	
Yonagunijimakubura	JYNG	Ryukyu Islands,Japan	24.4512N	122.9452E	15	From 2010-02-01
Yonezawaarcadia	JYAR	Yamagata,Japan	37.9127N	140.1437E	245	From 2012-07-01
Yongam	YGAA	Republic of Korea	35.8532N	128.3657E	51	From 2018-03-09
Yongin	YINB	Republic of Korea	37.2710N	127.2265E	-12	From 2016-12-16
Yongjeong	YGJA	Republic of Korea	35.0278N	128.4834E	27	From 2018-03-09
Yonkie	YYYY	Papua New Guinea	6.2412S	145.9690E	1314	From 1988-06-02
Yopal, Colombia	YOPC	Colombia	5.3540N	72.4207W	933	From 2009-02-01
Yorkshire	YSNY	New York,U.S.A.	42.4758N	78.5375W	628	From 1993-08-18 to 2002-12-20
Yorkville	BOGT	Tennessee	36.1357N	89.0913W	128	From 1989-10-18
Yorkville	MTHT	Tennessee	36.0835N	89.0973W	125	From 1989-10-18 to 1990-09-05
Yorkville, LNXT	LNXN	Tennessee	36.1123N	89.0562W	79	From 1989-11-23
Yoronjima	JYRO	Kagoshima,Japan	27.0247N	128.4505E	26	From 2012-07-01
Yoruktepe-Mersin	YORU	Turkey	36.1538N	33.4054E	426	From 2011-07-01
Yosemite Lake	MYLM	California,U.S.A.	37.3835N	120.4205W	57	
Yoshimatsu	YOSD	Kagoshima,Japan	32.0006N	130.7278E	315	
Yoshimatsu	YSM	Kagoshima,Japan	32.0267N	130.7361E	215	
Yoshiwara	YOS	Shizuoka,Japan	35.1667N	138.6830E		
Yoshizawa	JYZW	Shizuoka,Japan	34.9960N	137.7337E	93	
Yosondua	YOIG	Oaxaca	16.8565N	97.5456W	2284	From 2012-09-06
Yotoco, Valle del Cauca	YOTC	Colombia	3.9835N	76.3450W	1040	From 2011-12-13
Yotvata	YELM	Israel	29.8900N	35.0600E	730	From 1983-04-01 to 1986-05-31
Youbou, Lake Cowichan	YOUB	British Columbia,Canada	48.9010N	124.2618W	771	
Young	YOU	New South Wales,Australia	34.2783S	148.3817E	503	From 1974-07-01 to 1998-08-17
Young	YNG	New South Wales,Australia	34.2980S	148.3963E	460	From 1999-01-01
YOUNGJONGDO	YJD	Republic of Korea	37.4668N	126.4335E	34	From 2001-11-07
Youngju	YOJB	Republic of Korea	36.8720N	128.5166E	239	From 2015-10-01
Youngstown State University	YSUO	Ohio,U.S.A.	41.1041N	80.6481W	274	
Your Creek	E24K	Alaska,U.S.A.	68.0748N	148.4868W	847	From 2016-06-29
Youssef Ben Tachfine	YBT	Morocco	29.8456N	9.4983W	69	
Yozgat	SIRC	Turkey	39.3363N	35.1481E	1241	From 2013-02-01
Yozgat	YOZ	Turkey	39.6400N	35.3200E	1422	
Yozgat, Cekerek-Merkez	CKRK	Turkey	40.0732N	35.4998E	991	From 2014-11-28
Yr Eifl	YRE	Wales,United Kingdom	52.9810N	4.4254W	197	From 1984-01-01
Yreka	YR-	California,U.S.A.	41.6353N	122.7539W	914	From 1965-10-25 to 1967-10-06
Yreka	YR-CL	California,U.S.A.	41.6353N	122.7539W	914	From 1965-10-25 to 1967-10-06
Yreka Blue Horn Mine, Yreka	YBH	California,U.S.A.	41.7320N	122.7104W	1059	From 1993-07-24
Yuanli	PTSB	Taiwan region	24.4469N	120.7048E	202	From 2006-01-04
Yuanlin Township	WYL	Taiwan region	23.9610N	120.5800E	25	
Yuanshan	SLBB	Taiwan region	24.7538N	121.6356E	490	From 2002-12-02
Yuasa	YAS	Wakayama,Japan	34.0328N	135.1822E	10	
Yuba Gap, Truckee	P05C	California,U.S.A.	39.3028N	120.6077W	1756	From 2005-06-07 to 2007-10-13
Yubileniya	YUB	Sakha,Russia	70.7380N	136.0930E	10	
Yucca	X13A	Arizona,U.S.A.	34.5935N	113.8302W	889	From 2006-03-14 to 2008-10-18
Yucca Flat NTS	YF-NV	Nevada,U.S.A.	37.0683N	116.0019W	1271	
Yucca Flat NTS	YF4NV	Nevada,U.S.A.	37.0747N	116.0367W	1244	
Yucca Flat NTS	YF2NV	Nevada,U.S.A.	37.0694N	116.0122W	1260	
Yucca Flat NTS	YF3NV	Nevada,U.S.A.	37.0728N	116.0242W	1254	
Yucca Mountain	YMT3	Nevada,U.S.A.	36.7860N	116.4130W	1088	
Yucca Mountain	YMT1	Nevada,U.S.A.	36.8539N	116.5300W	1002	
Yucca Mountain	YMT6	Nevada,U.S.A.	36.8557N	116.4000W	1149	From 1981-04-01 to 2002-10-10
Yucca Mountain	YM-NV	Nevada,U.S.A.	36.9314N	116.5542W	1341	
Yucca Mountain	YMT4	Nevada,U.S.A.	36.8487N	116.4503W	1283	From 1981-04-01 to 2002-10-10
Yucca Mountain	YMT5	Nevada,U.S.A.	36.8987N	116.4534W	1381	From 1981-04-01 to 2002-10-10
Yucca Mountain	YMT2	Nevada,U.S.A.	36.7853N	116.4866W	1079	From 1981-03-05 to 2002-12-10
Yuchr	TYC	Taiwan region	23.9040N	120.8570E	20	
Yuen Ng Fan	YHK	Hong Kong,China	22.3777N	114.3378E	87	
Yugu	YUGA	Republic of Korea	36.5406N	126.9473E	72	From 2018-03-09
Yuha Desert	YUH2	California	32.6475N	115.9223W	184	From 2014-04-29
Yuha Desert	YUH	California,U.S.A.	32.6477N	115.9230W	186	
Yukon River	H23K	Alaska	65.8251N	149.5432W	617	From 2015-05-21
Yuktali	YKLR	Sakha,Russia	56.5915N	121.6542E	417	From 2004-07-04
Yulee	457A	Florida,U.S.A.	30.6199N	81.5563W	16	From 2012-02-03
Yuli	TWF	Taiwan region	23.3492N	121.2960E	180	From 1974-01-30
Yuli	EYUL	Taiwan region	23.3472N	121.3191E	165	From 2014-08-07
Yuli	TWF1	Taiwan region	23.3522N	121.2970E	260	From 1977-08-26
Yu-li	YULB	Taiwan region	23.3924N	121.2973E	295	
Yulton	YLTN	Patagonia	45.0583S	73.1087W	1020	From 2017-10-01
Yuma	112A	Arizona,U.S.A.	32.5356N	114.5804W	87	From 2007-05-06 to 2008-10-22
Yuma Desert	YMD	Arizona,U.S.A.	32.5547N	114.5450W	76	
Yuma Proving Gounds (US Army), Dateland	Z13A	Arizona,U.S.A.	33.1999N	113.6568W	375	From 2008-02-07 to 2009-01-30
Yumen	YUM	Gansu,China	40.2967N	97.0150E		
Yumesaki	YST	Hyogo,Japan	35.0008N	134.6285E	220	
Yumurtalik	YUMT	Turkey	36.7710N	35.7880E	27	From 1994-03-01
Yung-k'ang	TAI1	Taiwan region	23.0400N	120.2280E	-190	
Yunotani	YNT	Niigata,Japan	37.2233N	139.0145E	170	
YUNZ	YUNZ	Bolivia	19.1581S	65.0700W	2896	From 1994-05-30 to 1995-05-22
Yupe	YPE	El Salvador	14.1217N	89.6806W	1581	
Yupiltepeque	YUP	Guatemala	14.2013N	89.8015W	1430	From 1980-08-01
YUREGIR	YURE	Turkey	36.8259N	35.6324E	491	From 2006-12-01
Yurimuri	YUX	Baja California	32.0277N	115.1990W	10	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Yu-Shan	YUS	Taiwan region	23.4893N	120.9520E	3845	
Yuva-Kibriscik (Bolu)	YUVA	Turkey	40.3910N	31.6872E	1163	From 2013-09-09
Yuwa	JYW	Akita,Japan	39.5403N	140.2085E	30	
Yuzawa	YZU	Niigata,Japan	36.8952N	138.7813E	600	
Yuzh-Kuril'sk	YUK	Sakhalinskaya Oblast',Russia	44.0347N	145.8614E	28	
Yuzh-Sakhalinsk	YSS	Sakhalinskaya Oblast',Russia	46.9539N	142.7550E	98	
Yverdon-Jordils	SYVJ	Switzerland	46.7771N	6.6375E	434	From 1992-06-05
Yverdon-les-Bains, rue des Philosophes	SYVP	Switzerland	46.7747N	6.6417E	434	From 2011-05-01
Zabid	ZBID	Yemen	14.1958N	43.3167E	0	
Zabrze	ZAB	Poland	50.3014N	18.7944E	258	
Zacaltic	ZAC	Chiapas,Mexico	17.2500N	92.7610W	380	
Zacatecas	ZAIG	Zacatecas,Mexico	22.7690N	102.5670W	2408	
Zacharo	ZARO	Greece	37.4865N	21.6491E	30	
Zafarana	ZAF	Egypt	29.2819N	32.5487E	165	
Zafferana	ZA1	Sicily,Italy	37.6853N	15.0900E	875	
Zaghouan	ZGN	Tunisia	36.3700N	10.1000E	720	
Zagora	ZGR	Morocco	30.1190N	5.6200W	1083	
Zagorskoe	ZGR4	Sakhalinskaya Oblast',Russia	47.3029N	142.4930E	120	From 2001-01-01
Zagreb	ZAG*	Croatia	45.8167N	15.9833E	155	From 1906-04-04 to 1983-12-31
Zagreb	ZAG	Croatia	45.8270N	15.9870E	188	From 1983-01-01
Zahaedan-tmp	SZD1	Iran	29.4863N	60.8655E	1383	From 2012-10-16
Zahedan	ZHDN	Iran	29.3990N	60.8102E	1511	From 2015-04-13
Zahedan	ZHSF	Iran	29.6110N	60.7750E	1575	From 1999-10-10
Zahle	ZAHL	Lebanon	33.8580N	35.8853E	1211	From 2015-08-05
Zahran al Janub	DJNS	Saudi Arabia	17.7014N	43.5449E	2250	
Zaio	ZAI	Morocco	34.9700N	2.7460W	750	
Zaisan	ZSN	Kazakhstan	47.4500N	84.8660E	550	From 1990-10-01
Zajecar	ZAGS	Serbia	43.8126N	22.2328E	205	From 2011-07-15
Zakamensk	ZAK	Buryatiya,Russia	50.3819N	103.2806E	1200	
Zakatala	ZKTA	Azerbaijan	41.6380N	46.6220E	497	From 2009-10-26
Zakros	ZKR	Crete,Greece	35.1147N	26.2170E	270	
Zakynthos	ZKS	Greece	37.6969N	20.7853E	371	From 2010-05-11
Zakynthos	ZAK2	Greece	37.7879N	20.9000E	2	From 2012-09-01
Zalesovo	ZAL	Altayskiy Kray,Russia	53.9367N	84.7981E	213	
Zalesovo Array Site A0	ZAA0	Altayskiy Kray,Russia	53.9481N	84.8188E	229	
Zalesovo Array Site A1	ZAA1	Altayskiy Kray,Russia	53.9524N	84.8190E	246	
Zalesovo Array Site A2	ZAA2	Altayskiy Kray,Russia	53.9439N	84.8237E	207	
Zalesovo Array Site A3	ZAA3	Altayskiy Kray,Russia	53.9477N	84.8091E	242	
Zalesovo Array Site B1	ZAB1	Altayskiy Kray,Russia	53.9637N	84.8308E	245	
Zalesovo Array Site B2	ZAB2	Altayskiy Kray,Russia	53.9488N	84.8462E	253	
Zalesovo Array Site B3	ZAB3	Altayskiy Kray,Russia	53.9368N	84.8342E	234	
Zalesovo Array Site B4	ZAB4	Altayskiy Kray,Russia	53.9377N	84.7985E	199	
Zalesovo Array Site B5	ZAB5	Altayskiy Kray,Russia	53.9566N	84.7972E	195	
Zalesovo Beam	ZALV	Altayskiy Kray,Russia	53.9481N	84.8188E	229	
ZALESOVO INFRASONIC ARRAY REFERENCE POINT	I46RU	Altayskiy Kray,Russia	53.9487N	84.8189E	232	From 2006-11-30
Zalf	ZALF	Syria	32.9221N	37.3342E	532	From 1994-12-01
Zalla	LZLA	Libya	28.5537N	17.5613E	239	
Zamaca	PT04	Peru	14.6717S	75.6150W	400	
Zamans	EZAM	Spain	42.1490N	8.6950W	398	From 1986-12-01
Zamboanga	ZMP	Mindanao,Philippines	6.9196N	122.0633E	0	From 1982-09-23 to 1997-01-01
Zamboanga City	ZMPH	Mindanao,Philippines	6.9540N	122.0640E	59	
Zamboanga City	ZCP	Philippines	6.9322N	122.0746E	15	From 2010-09-01
Zamora	NE28	Spain	41.4140N	5.7550W	720	
Zangian	ZNGN	Iran	32.1174N	50.8542E	2662	From 2011-01-01
Zanguenga, Chorrera	ZANG	Panama	8.9561N	79.8667W	110	From 2004-10-01
Zanja@18n	ZNJK	Iran,Iran	36.6700N	48.6850E	2200	
Zanoah	ZNH	Israel	31.6770N	35.0000E	440	
Zante	ZAN	Greece	37.6500N	20.6667E	4	
Zapallar	ZACH	Valparaiso,Chile	32.5533S	71.4583W	44	
Zapla	AZAP	Jujuy,Argentina	24.2242S	65.0662W	2070	
Zaqatala	ZKT	Azerbaijan	41.6540N	46.6670E	530	From 1979-01-01
ZAR	CZAR	Baja California	32.1903N	116.4817W	570	
Zarabog	ZRB	Uzbekistan	38.0940N	66.2880E	802	
Zarafshon	ZARA	Tajikistan	39.3968N	68.5496E	1596	From 2000-06-01
Zaragoza, Cauca	ZARC	Colombia	7.4923N	74.8580W	205	From 2011-08-17
Zarand Kerman	ZRDN	Iran	30.9675N	56.5356E	2029	From 2016-01-05
Zarasai	IZAR	Lithuania	55.7497N	26.2458E	154	
Zara_SIVAS	CUZAR	Turkey	39.8882N	37.7705E	1425	From 2010-09-14
Zarcero	ZARE	Costa Rica,Costa Rica	10.1838N	84.3900W	1780	
Zarcilla de Ramos, Murcia	EXZAR	Spain	37.8446N	1.8779W	653	From 2011-05-01
Zardab	ZRD	Azerbaijan	40.2790N	47.6840E	30	From 2010-12-02
Zarechye	ZRHB	Buryatiya,Russia	52.5540N	107.1520E	480	From 1999-12-01
Zarrentin	ZARR	Mecklenburg-Vorpommern	53.5538N	10.9176E	42	From 2011-07-01
Zaryechye, Baikal	ZRH	Buryatiya,Russia	52.5452N	107.1592E	481	From 2000-01-01
Zarzadilla de Totana, Murcia	EZAR	Spain	37.8751N	1.6942W	1015	From 2015-12-14
Zatriq	ZATK	Kosovo	42.4484N	20.6229E	1060	From 2008-07-06
Zavalia	ZAV	Texas,U.S.A.	31.1192N	94.5453W		
Zavodnje	ZAVS	Slovenia	46.4342N	15.0246E	741	From 2005-08-11
Zavoj	ZAPS	Serbia	43.2737N	22.6336E	624	From 2004-10-22
Zeckenberg-Ebnath	MZEK	Bayern,Germany	49.9626N	11.9474E	627	From 2001-04-24
ZEC Mazanza, Mont-Saint-Michel	D56A	Quebec,Canada	47.0485N	74.7568W	421	From 2013-07-29
Zefat	SAF	Israel	32.9600N	35.4950E	800	
ZEFH	ZEFH	Israel	29.5200N	34.8970E	118	From 1987-05-01 to 1988-03-31
Zefreh	IZEF	Iran	32.8956N	52.3291E	2320	From 2000-09-01
ZEK Kipawa Senerzegues Township	D52A	Quebec,Canada	46.9764N	78.4117W	359	From 2012-10-31
Zelena Hora	ZHC	Czech Republic	50.0706N	12.3087E	631	From 1996-01-10
Zelenaya	ZLN	Kamchatskaya Oblast',Russia	56.0169N	160.8039E	1120	
Zelenogorsk	ZLNR	Krasnoyarskiy Kray,Russia	56.1190N	94.5175E	250	From 2005-04-27
Zelsheim	ZELS	Alsace	48.3022N	7.6308E	162	From 2016-01-01
Zemlya Franca-Iocifa	ZFI	Arkhangel'skaya Oblast',Russia	80.8070N	47.6590E	17	From 2011-09-22
Zemlya Franca-Iocifa2	ZFI2	Arkhangel'skaya Oblast',Russia	80.8090N	47.6550E	18	From 2011-09-22
Zenema	ZNM	Egypt	29.3761N	32.8752E	210	
Zephyrhills	857A	Florida,U.S.A.	28.2670N	82.2291W	50	From 2012-02-17
Zerenda	ZRNK	Kazakhstan	52.9508N	69.0042E	384	From 1994-07-22
Zerenda array site	ZRN7	Kazakhstan	52.9294N	68.9772E	388	From 1995-08-12
Zerenda array site	ZRN9	Kazakhstan	52.9771N	69.0027E	368	From 1995-08-12
Zerenda array site	ZRN8	Kazakhstan	52.9546N	68.9633E	364	From 1995-08-12
Zerenda array site	ZRN6	Kazakhstan	52.9271N	69.0337E	405	From 1995-08-12
Zerenda array site	ZRN5	Kazakhstan	52.9461N	69.0485E	407	From 1995-08-12
Zerenda array site	ZRN4	Kazakhstan	52.9704N	69.0323E	382	From 1995-08-12
Zereshkeh	BZRK	Iran	33.8569N	48.6922E	1807	From 2013-09-09
Zerhoun	ZER	Morocco	34.0190N	5.4700W	1118	
Zermatt, Kirche VS	SZEK	Switzerland	46.0196N	7.7475E	1609	From 2016-05-05
Zermatt, Position 36, VS	MH36	Switzerland	45.9803N	7.6702E	3463	From 2015-05-28
Zermatt, Position 38, VS	MH38	Switzerland	45.9809N	7.6704E	3529	From 2015-05-28
Zermatt, Position 44, VS	MH44	Switzerland	45.9813N	7.6711E	3489	From 2015-08-15
Zernez	SZER	Switzerland	46.6975N	10.0977E	1471	From 2006-08-16
Zeuzier, Stausee VS	STSW2	Switzerland	46.3452N	7.4338E	1772	From 2015-12-01
Zevekote	BZEV	Belgium	51.1370N	2.8995E	2	From 1992-04-12
Zeya	ZEA	Amurskaya Oblast',Russia	53.7380N	127.2500E	273	
Zeytinbag	ZYBG	Turkey	40.3900N	28.7950E	67	From 2005-11-01
Zeytinkoy-Aydin	AYDB	Turkey	37.9466N	27.8908E	1246	From 2009-10-03
Zfri	ZFRI	Israel	30.5540N	35.1780E	-37	
Zhanghua	WCHH	Taiwan region	24.0795N	120.5583E	34	From 2011-01-05
Zheleznogorsk	GZLN	Krasnoyarskiy Kray,Russia	56.3800N	93.7700E	210	From 2012-12-18
Zheleznogorsk-3, Russia	SHTK	Krasnoyarskiy Kray,Russia	56.3330N	93.6050E	150	From 2012-12-21
Zheleznogorsk city	GZL	Krasnoyarskiy Kray,Russia	56.2650N	93.5420E	165	From 2005-11-08
ZHG	ZHG	Morocco	33.4460N	6.6420W	788	
Zhinishke	ZHN	Kazakhstan	43.1680N	78.4350E	1332	From 2004-06-09
Zhob	ZHOB	Pakistan	31.3300N	69.4100E	1417	From 2006-04-02
Zhongli	NCUH	Taiwan region	24.9679N	121.1849E	153	From 2011-01-05
Zhudong	NJD	Taiwan region	24.7358N	121.0881E	150	From 2014-12-11
Zhunan	NJN	Taiwan region	24.6836N	120.8703E	5	From 2014-12-11
Zhushan	WJS	Taiwan region	23.8219N	120.7279E	175	From 2009-10-07
Ziano	ZIAN	Italy	46.2764N	11.5632E	1154	From 2012-11-19
Zihlschlacht	SGT02	Switzerland	47.5133N	9.2479E	577	From 2012-01-15
Zihuatanejo	ZIH	Guerrero,Mexico	17.6100N	101.4620W	5	
Zihuatanejo	ZIIG	Guerrero,Mexico	17.6067N	101.4650W	32	
Zihuatanejo	ZHGX	Guerrero,Mexico	17.6083N	101.4650W		

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
Zimchurud	ZIM	Tajikistan	38.7667N	68.8000E		
Zimniki	ZMN	Primorskiy Kray,Russia	45.4750N	134.2580E	150	From 1988-07-01
Zion National Park	ZNPU	Utah,U.S.A.	37.3561N	113.1254W	1953	From 2009-10-22
Ziria, Aigialia, West Greece	ZIRI	Greece	38.3052N	21.9476E	505	From 2010-07-04
Zirje	ZIRJ	Croatia	43.6543N	15.6439E	107	
Zirndorf	A354A	Germany	49.4523N	10.9690E	327	From 2015-10-23
ZIRO	ZIRO	Arunachal Pradesh,India	27.5266N	93.8499E	1600	From 2011-05-01
Zishin	ZIS	Guatemala	14.0333N	90.4550W	50	From 1979-09-01
Zivanice	A082A	Czech Republic	50.0610N	15.6502E	220	From 2015-10-08
Zmalet El Emir Abdelkader	EZEK	Algeria,Algeria	34.8666N	2.3057E	904	
Zocca	ZCCA	Italy	44.3509N	10.9765E	700	
Zofira	ZOFR	Greece	38.0650N	23.6940E	242	
Zomba	ZOMB	Malawi	15.3833S	35.3500E	885	From 2006-06-01
Zona Comercial 1	ZC01	Baja California	32.6310N	115.5740W	0	
Zona comercial 6	ZC06	Baja California	32.5998N	115.3930W	16	
Zonda	ZON	San Juan,Argentina	31.5458S	68.6786W	730	
Zone	ZONE	Italy	45.7639N	10.1171E	670	From 2015-12-01
Zongo (La Paz)	ZLP	Bolivia	16.2694S	68.1240W	4397	
Zongo (La Paz)	ZOBO	Bolivia	16.2694S	68.1240W	4397	
Zonguldak	ZGT	Turkey	41.4508N	31.7611E	70	From 1980-01-01 to 1981-06-30
Zonguldak/Devrek-Atalar	DEVR	Turkey	41.1417N	31.9724E	388	From 2014-12-01
Zoodochos Pigi, KEAI	KEAIE	Greece	37.6232N	24.3191E	378	
Zoufplan	ZOU	Italy	46.5567N	12.9733E	1896	From 1982-10-17
Zovencedo	ZOVE	Italy	45.4536N	11.4876E	376	From 2011-09-07
Zubak	A331A	Slovakia	49.1501N	18.2209E	427	From 2015-08-25
Zuerich Laegern	ZLA	Switzerland	47.4822N	8.3892E	780	
Zugar Island	ZUQR	Yemen	13.9848N	42.7508E	171	From 2007-11-24
Zugdidi	ZUG	Georgia,Georgia	42.5167N	41.8833E	110	
Zugspitze, Schneeferner	ZUGS	Bayern	47.4163N	10.9788E	2650	From 2006-02-10
Zuidlaarderveen	ZLV4	Netherlands	53.0921N	6.7533E	-198	From 2010-05-18
Zuidlaarderveen	ZLV	Netherlands	53.0931N	6.7500E	1	
Zuidlaarderveen	ZLV2	Netherlands	53.0921N	6.7533E	-98	From 2010-05-18
Zuidlaarderveen	ZLV1	Netherlands	53.0921N	6.7533E	-48	From 2010-05-18
Zuidlaarderveen	ZLV3	Netherlands	53.0921N	6.7533E	-148	From 2010-05-18
Zuidlaarderveen (2)	ZL22	Netherlands	53.0921N	6.7533E	-16	From 2009-04-10
Zuidlaarderveen (2)	ZL23	Netherlands	53.0921N	6.7533E	-66	From 2009-04-10
Zuidlaarderveen (2)	ZL24	Netherlands	53.0921N	6.7533E	-116	From 2009-04-10
Zuidlaarderveen (2)	ZL21	Netherlands	53.0921N	6.7533E	34	From 2009-04-10
Zumba	ZUMB	Ecuador	4.8637S	79.1439W	1286	From 2012-11-08
ZUMPANGO	ZUVM	Mexico	19.8265N	99.0775W	2288	From 2009-06-04
Zunzarren	IZUN	Spain	42.8610N	1.4564W	701	From 2007-03-01
Zuqar Island	ZQRN	Yemen	14.0478N	42.7257E	38	From 2007-12-18
Zurich-Lageren	ZUL	Switzerland	47.4813N	8.3903E	700	From 1975-01-01 to 1986-07-09
Zrich, Zeughauswiese	SZUZ	Switzerland	47.3775N	8.5302E	408	From 2012-12-19
Zur Nathan	ZNT	Israel	32.2400N	35.0280E	234	
Zu Zu	ZZT	Tennessee,U.S.A.	35.3640N	89.3720W	120	From 1974-03-01 to 1975-09-30
Zvikov	ZVC	Czech Republic	49.4389N	14.1923E	375	From 2017-05-03
Zweins	ZWE1	Netherlands	53.1885N	5.6045E	-30	From 2010-03-24
Zweins	ZWE2	Netherlands	53.1885N	5.6045E	-60	From 2010-03-24
Zweins	ZWE4	Netherlands	53.1885N	5.6045E	-120	From 2010-03-24
Zweins	ZWE3	Netherlands	53.1885N	5.6045E	-90	From 2010-03-24
Zweisimmen Kirche, BE	SZWD2	Switzerland	46.5514N	7.3714E	966	From 2016-05-01
Zwiefalten, Hayingen-Wimsen	ZWI	Baden-Wurttemberg,Germany	48.2561N	9.4481E	560	From 2017-01-01
Zyfflich	NE41	Nordrhein-Westfalen,Germany	51.8239N	5.9745E	13	
Zyryanka	ZYR	Sakha,Russia	65.7200N	149.8200E	120	From 1981-10-01 to 1991-12-15
	BC3*	Alaska,U.S.A.	63.0656N	141.7851W		
	HCAT	Egypt	28.7750N	33.9790E	410	
	QEN	Egypt	26.2237N	32.8496E	333	
	ZIMR	Romania	43.6572N	25.3652E	74	
	VOIR	Romania	45.4371N	25.0496E	969	
	MTAN	Tanzania,Tanzania	7.9073S	33.3203E	1393	
	MITU	Tanzania,Tanzania	6.0192S	34.0560E	1566	
	AL35	Alaska,U.S.A.	64.9447N	147.8595W		
	VARR	Romania	45.8802N	27.8570E	233	
	TUDR	Romania	45.5939N	27.6687E	66	
	TLCR	Romania	45.1861N	28.8150E	73	
	EGS	Taiwan region	24.8450N	121.9320E	2	
	SULR	Romania	44.6785N	26.2551E	73	
	RSH	Egypt	30.9600N	33.7220E	240	
	SIRB	Romania	45.4801N	26.2616E	512	
	SECR	Romania	45.0355N	26.0676E	417	
	KIBE	Tanzania,Tanzania	5.3775S	37.4763E	997	
	HALET	Tanzania,Tanzania	5.3018S	38.6170E	230	
	MTORT	Tanzania,Tanzania	5.2508S	35.4007E	1100	
	URAM	Tanzania,Tanzania	5.0878S	32.0832E	1120	
	MBWE	Tanzania,Tanzania	4.9610S	34.3462E	1100	
	GOMAT	Tanzania,Tanzania	4.8392S	29.6927E	880	
	PUGE	Tanzania,Tanzania	4.7145S	33.1842E	1350	
	SNGT	Tanzania,Tanzania	4.6403S	34.7315E	1462	
	BASOT	Tanzania,Tanzania	4.3238S	35.1382E	1694	
	TARAT	Tanzania,Tanzania	3.8892S	36.0163E	1268	
	KOMO	Tanzania,Tanzania	3.8422S	36.7192E	1114	
	KIBOT	Kenya,Tanzania	2.2557S	37.7299E	975	
	SA01	South Africa,South Africa	34.2945S	19.2460E	220	
	SA02	South Africa,South Africa	33.7351S	20.2663E	500	From 1998-07-03 to 1999-12-31
	SA03	South Africa,South Africa	33.6619S	21.3354E	500	From 1998-05-09 to 1999-12-31
	SA04	South Africa,South Africa	32.8500S	19.6206E	1200	From 1998-04-11 to 1999-12-31
	SA05	South Africa,South Africa	32.6050S	21.5350E	800	From 1998-04-09 to 1999-12-31
	SA07	South Africa,South Africa	31.9776S	20.2262E	1277	
	SA08	South Africa,South Africa	31.9103S	22.0729E	1387	
	SA09	South Africa,South Africa	30.9221S	22.9861E	1200	From 1998-04-23 to 1999-12-31
	SA10	South Africa,South Africa	30.9724S	23.9136E	1400	From 1998-07-18 to 1999-12-31
	SA11	South Africa,South Africa	29.9650S	20.9466E	1066	
	SA12	South Africa,South Africa	29.8486S	22.2533E	1125	
	SA13	South Africa,South Africa	29.9788S	23.1396E	1047	
	SA139	South Africa,South Africa	25.8519S	26.2662E	1600	
	SA14	South Africa,South Africa	29.8682S	24.0226E	1200	
	SA15	South Africa,South Africa	29.9038S	25.0323E	1400	From 1998-05-20 to 1999-12-31
	SA155	South Africa,South Africa	22.8786S	28.3402E	900	
	SA16	South Africa,South Africa	28.9503S	22.1951E	1026	
	SA169	South Africa,South Africa	22.2623S	29.2134E	618	
	SA17	South Africa,South Africa	28.9321S	23.2257E	1249	
	SA18	South Africa,South Africa	28.6328S	24.3056E	1102	
	SA19	South Africa,South Africa	28.9056S	24.8328E	1200	
	SA20	South Africa,South Africa	29.0221S	26.1953E	1400	
	SA22	South Africa,South Africa	27.9662S	22.0091E	1076	
	SA23	South Africa,South Africa	27.9304S	23.4046E	1612	
	SA24	South Africa,South Africa	27.8833S	24.2365E	1244	
	SA25	South Africa,South Africa	27.8459S	25.1259E	1253	
	SA26	South Africa,South Africa	27.5456S	26.1803E	1300	
	SA27	South Africa,South Africa	27.8625S	27.2943E	1400	
	SA28	South Africa,South Africa	27.8982S	28.0656E	1600	From 1998-05-19 to 1999-12-31
	SA29	South Africa,South Africa	26.9317S	23.0349E	1120	
	SA30	South Africa,South Africa	27.0715S	24.1651E	1361	
	SA31	South Africa,South Africa	26.9952S	25.0209E	1348	
	SA32	South Africa,South Africa	26.8655S	26.2845E	1380	
	SA33	South Africa,South Africa	26.8986S	27.1793E	1400	
	SA34	South Africa,South Africa	26.8000S	28.1000E	1500	
	SA35	South Africa,South Africa	27.0183S	29.0883E	1600	
	SA36	South Africa,South Africa	26.8771S	30.1249E	1600	
	SA37	South Africa,South Africa	25.9705S	23.7212E	1142	
	SA38	South Africa,South Africa	25.9334S	25.0846E	1219	
	SA39	South Africa,South Africa	25.8952S	26.1514E	1545	
	SA40	South Africa,South Africa	25.8981S	27.1490E	1512	
	SA42	South Africa,South Africa	25.6650S	29.2223E	1500	From 1998-05-27 to 1999-12-31
	SA43	South Africa,South Africa	25.7868S	30.0669E	1800	From 1998-11-26 to 1999-12-31
	SA44	South Africa,South Africa	26.0321S	30.9022E	1000	From 1998-05-28 to 1999-12-31
	SA45	South Africa,South Africa	24.8792S	26.1644E	1015	
	SA46	South Africa,South Africa	24.8382S	27.1092E	1037	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
	SA47	South Africa,South Africa	24.8469S	28.1618E	1153	
	SA48	South Africa,South Africa	24.8948S	29.2163E	1000	
	SA49	South Africa,South Africa	24.9597S	30.3091E	0	From 1998-07-29 to 1999-12-31
	SA50	South Africa,South Africa	23.8722S	27.1662E	976	
	SA51	South Africa,South Africa	23.8628S	28.1567E	1233	
	SA52	South Africa,South Africa	23.7983S	28.8970E	1321	From 1997-04-24 to 1999-12-31
	SA53	South Africa,South Africa	24.1134S	29.3328E	1300	From 1998-05-28 to 1999-12-31
	SA54	South Africa,South Africa	23.7288S	30.6680E	500	From 1998-06-26 to 1999-12-31
	SA55	South Africa,South Africa	22.9800S	28.2981E	918	
	SA56	South Africa,South Africa	23.0059S	29.0743E	909	
	SA57	South Africa,South Africa	22.9811S	30.0202E	787	
	SA58	South Africa,South Africa	23.5179S	31.3973E	356	From 1998-10-15 to 1999-12-31
	SA59	Botswana,South Africa	24.8373S	24.4640E	1137	
	SA60	Botswana,South Africa	23.8519S	24.9594E	1043	
	SA61	Botswana,South Africa	23.9481S	24.0220E	1069	
	SA62	Botswana,South Africa	24.8505S	25.1350E	1214	
	SA63	Botswana,South Africa	23.6583S	26.0820E	1008	
	SA64	Botswana,South Africa	22.9694S	26.2017E	1151	
	SA65	Botswana,South Africa	22.8183S	27.2218E	907	
	SA66	Botswana,South Africa	21.9005S	26.3727E	1057	
	SA67	Botswana,South Africa	21.8859S	27.2736E	913	
	SA68	Botswana,South Africa	21.9504S	28.1878E	737	
	SA69	South Africa,South Africa	22.3047S	29.2661E	651	From 1997-10-10 to 1999-12-31
	SA70	Botswana,South Africa	21.0883S	26.3352E	990	
	SA73	Zimbabwe,South Africa	21.8537S	30.2776E	590	
	SA74	Zimbabwe,South Africa	21.9230S	30.9357E	487	
	BB32	South Africa,South Africa	28.8146S	24.9778E	2006	From 1998-12-14 to 1999-07-02
	SA71	Botswana,South Africa	20.9258S	27.1408E	1072	
	SA75	Zimbabwe,South Africa	20.8601S	28.9991E	971	
	SA76	Zimbabwe,South Africa	20.6361S	29.8464E	978	
	SA77	Zimbabwe,South Africa	20.7557S	30.9191E	576	
	SA78	Zimbabwe,South Africa	19.4671S	30.7723E	1401	
	SA79	Zimbabwe,South Africa	20.0211S	30.5173E	1078	
	SA80	Zimbabwe,South Africa	19.9593S	31.3179E	1064	
	SA81	South Africa,South Africa	30.9251S	21.2681E	1270	
	SA82	South Africa,South Africa	30.9771S	22.2466E	1452	
	AMRG	Georgia,Georgia	42.5156N	43.1369E	614	
	OZUR	Romania	46.0957N	25.7864E	674	
	ORGA	Alberta,Canada	49.5539N	114.1008W	1257	
	LUCR	Romania	44.9737N	27.1011E	91	
	BC03	Alaska,U.S.A.	63.0656N	141.7851W		
	LTRR	Romania	45.4284N	23.7584E	1418	
	BIAC	Colombia	3.2913N	76.1973W		
	ZAPC	Czech Republic	49.8320N	18.4280E		
	HADR	Romania	47.0106N	27.4301E	435	
	GRER	Romania	45.3801N	26.9746E	276	
	FPK	Nevada,U.S.A.	39.2200N	118.1500W	0	
	HPIG	Mexico D.F.,Mexico	26.9352N	105.6655W	1786	
	HSIG	Mexico D.F.,Mexico	29.0196N	110.9490W	250	
	WHR	Nevada,U.S.A.	40.0400N	118.3600W	0	
	WMD	California,U.S.A.	37.4400N	118.6400W	0	
	CGIG	Mexico D.F.,Mexico	30.3652N	107.9773W	1524	
	HQLS	Saudi Arabia,Saudi Arabia	29.3003N	35.0622E	543	
	TBS2	Panama	8.7933N	82.6569W	1397	
	GOLR	Romania	44.8399N	24.9629E	301	
	GHRR	Romania	46.0605N	27.4080E	212	
	GALR	Romania	43.8275N	28.5751E	56	
	FULR	Romania	44.8877N	26.4419E	114	
	EPCH	Peru	6.0090S	79.6850W	720	
	EMPA	Peru	6.6630S	79.4430W	500	
	EZ5V	Colima,Mexico	19.4792N	103.6022W	2180	
	HCA	Peru	5.5830S	79.4330W		
	DRGR	Romania	46.7916N	22.7111E	921	
	GDLC	Jalisco,Mexico	20.6827N	103.3775W	1577	
	KMST	Turkey	37.5239N	36.9936E	670	
	R15V	Colima,Mexico	19.1700N	103.9830W	632	
	DIC	Ivory Coast	6.2083N	4.9892W		
	DWK	Meghalaya,India	25.1867N	92.0227E		
	JYSA	Finland	62.7700N	24.8700E		
	LUK	Luzon,Philippines	14.1200N	121.5170E	500	
	H06E	Colima,Mexico	18.7800N	110.9200W	10	
	LUTC	Czech Republic	49.8840N	18.4160E		
	H06S	Colima,Mexico	18.7300N	110.9600W	10	
	PKSG	Hungary	47.3918N	18.3907E	200	
	ETYK	Hungary	47.4403N	18.7448E	248	
	TGIG	Chiapas,Mexico	16.7782N	93.1222W	612	
	ARTM	Mongolia	47.9300N	107.2700E	2008	From 1994-10-01
	IVGM	Mongolia	47.4000N	106.5700E	1900	From 1994-10-01
	KLSI	Sumatera,Indonesia	4.6900S	104.7300E	81	
	TPTI	Sumatera,Indonesia	3.2600N	97.1800E	9	
	MZVM	Mexico D.F.,Mexico	19.1892N	99.2293W		
	UGDM	Mongolia	47.6400N	107.4000E	1894	From 1994-10-01
	DARB	Saudi Arabia	17.7400N	42.2400E	0	
	SEMM	Mongolia	47.5600N	106.9800E	1700	From 1994-10-01
	ALFM	Mongolia	47.9900N	106.7800E	1560	From 1995-09-01
	MGDM	Mongolia	48.2800N	102.9400E		
	UNTM	Mongolia	49.1400N	102.9200E		
	FG6	Guatemala	14.5600N	90.8828W	2500	
	HQRM	California,U.S.A.	36.8337N	121.2127W		
	HLS	Peru	8.8470S	77.8890W		
	IL31	Alaska,U.S.A.	64.7714N	146.8866W		
	IM03	Alaska,U.S.A.	65.9835N	153.7491W		
	ECALA	Colombia	1.2138N	77.4226W	2353	
	JPSM	California,U.S.A.	37.1990N	122.3483W		
	NT2	Nevada,U.S.A.	37.2533N	116.2858W		
	NSPM	California,U.S.A.	38.1827N	122.4533W		
	NLNM	California,U.S.A.	38.1525N	122.7125W		
	NE33	Belgium	50.6092N	6.0066E		
	NE24	Spain	38.3553N	0.4873W		
	NE21	Portugal	40.3997N	7.5442W	815	
	CSAN	Managua,Nicaragua	12.1833N	86.4222W	50	
	IL01	Alaska,U.S.A.	64.7716N	146.8861W		
	DZBM	Mongolia	43.8140N	104.5010E	1557	From 2010-01-01
	NE19	Spain	42.4578N	2.5032W		
	NE20	Spain	36.8525N	2.4598W		
	NE22	Spain	36.7275N	4.4111W		
	NE23	Spain	41.4164N	2.1250E		
	NE25	Spain	40.8206N	0.4933E		
	NFRM	California,U.S.A.	38.5227N	123.1610W		
	NGVM	California,U.S.A.	38.2807N	122.2148W		
	NMCM	California,U.S.A.	35.8428N	117.9048W		
	UB1M	Mongolia	47.9230N	106.5870E	1376	From 2009-05-01
	UB2M	Mongolia	48.0190N	106.4430E	1455	From 2009-08-01
	STKZ	Karabakh	39.8126N	46.7520E	770	
	NT-	Nevada,U.S.A.	37.2758N	116.4183W		
	PRSC	Czech Republic	49.0150N	18.5540E	0	
	UB3M	Mongolia	47.6930N	105.9410E	1311	From 2009-07-01
	UB4M	Mongolia	47.8150N	106.6080E	1209	From 2008-12-01
	HUEN	Managua,Nicaragua	12.3375N	86.1722W	50	
	BAR1	Costa Rica,Costa Rica	9.2422N	83.3117W	530	
	MO5M	Mongolia	47.6100N	105.8680E	1259	From 2008-12-01 to 2009-06-01
	UB5M	Mongolia	47.8190N	106.7820E	1389	From 2009-06-01
	PCIG	Chiapas,Mexico	15.7047N	93.2188W	5	
	CHI2	Colombia	4.6439N	73.7400W	3100	
	MUMZ	El Salvador	13.5555N	88.4792W	410	
	SANZ	El Salvador	13.5577N	88.5228W	310	
	SWA1	Egypt	29.2632N	25.7098E	48	
	SWA2	Egypt	29.2432N	25.4556E	45	
	HADB	Egypt	25.3510N	34.6238E	187	

Station Name	Code	Location	Geographical Co-ordinates		Altitude m	Remark
	MBRV	Montserrat	16.8113N	62.1961W	231	
	HQSR	Egypt	25.7554N	34.3871E	168	
	UB6M	Mongolia	48.3150N	106.8140E	1233	From 2009-03-01
	THIG	Chiapas,Mexico	14.9077N	92.2652W	15	
	ASYS	Saudi Arabia,Saudi Arabia	27.5046N	44.3412E	580	
	BOQSS	Saudi Arabia,Saudi Arabia	25.8689N	49.3758E	210	
	BTHS	Saudi Arabia,Saudi Arabia	24.0459N	50.8460E	89	
	FDAS	Saudi Arabia,Saudi Arabia	21.8336N	40.3588E	200	
	URCR	Colombia	1.2195N	77.3432W	3494	
	HRDDS	Saudi Arabia,Saudi Arabia	22.9272N	49.4616E	150	
	PUYI	Colombia	1.2977N	77.3230W	2370	
	PLAZ	Colombia	1.2593N	77.2790W	3000	
	JLOS	Saudi Arabia,Saudi Arabia	28.7351N	35.4916E	1320	
	OLGA	Colombia	1.2243N	77.3537W	4100	
	NAR2	Colombia	1.2688N	77.3687W	2870	
	LOEW	Colombia	1.3537N	77.3780W	2350	
	COB3	Colombia	1.1890N	77.3473W	3625	
	LYLS	Saudi Arabia,Saudi Arabia	22.0384N	47.2447E	460	
	ANVZ	Colombia	1.2220N	77.3530W	4170	
	ACVZ	Colombia	1.2270N	77.3588W	1470	
	RSHS	Saudi Arabia,Saudi Arabia	28.2997N	34.7968E	280	
	LBOS	Yemen	13.8710N	45.2490E	2325	
	NISS	Serbia	43.4035N	21.9474E	782	From 2006-04-05 to 2008-07-23
	SHBS	Saudi Arabia,Saudi Arabia	21.0046N	39.6829E	182	
	SHMS	Saudi Arabia,Saudi Arabia	21.4485N	39.6907E	252	
	SLWS	Saudi Arabia,Saudi Arabia	24.7978N	50.6437E	75	
	WJHS	Saudi Arabia,Saudi Arabia	26.7318N	36.3944E	195	
	YOBS	Saudi Arabia,Saudi Arabia	24.3578N	38.7424E	372	
	MBBY	Montserrat	16.6977N	62.2025W	160	
	MBGA	Montserrat	16.7102N	62.1887W	479	
	MBGB	Montserrat	16.7323N	62.2278W	253	
	MBGE	Montserrat	16.6900N	62.1937W	183	
	MBMH	Montserrat	16.7763N	62.1925W	270	
	MBRY	Montserrat	16.7038N	62.1532W	355	
	MBSS	Montserrat	16.6870N	62.1603W	395	
	MBWH	Montserrat	16.7422N	62.1908W	407	
	MO7M	Mongolia	47.4380N	106.6030E	1543	From 2008-12-01 to 2009-05-01
	MCPZ	Montserrat	16.7068N	62.1812W	759	
	MDUM	Montserrat	16.7000N	62.1667W	1000	
	UB7M	Mongolia	47.5330N	106.6110E	1474	From 2010-04-01
	MGAT	Montserrat	16.7102N	62.1887W	479	
	MRYT	Montserrat	16.7038N	62.1532W	355	
	CMPA	Pennsylvania,U.S.A.	40.3500N	76.0100W		
	JORD	New York,U.S.A.	44.3400N	74.6100W		
	UB0M	Mongolia	47.9600N	105.9360E	1360	From 2010-05-01 to 2012-07-01
	UB9M	Mongolia	47.8670N	106.7370E	1250	From 2009-06-01 to 2010-03-01
	UB8M	Mongolia	47.5700N	106.3120E	1331	From 2009-05-01
	HSFG	Egypt	26.5675N	33.9292E	170	
	BMK*	Morocco	34.6590N	2.9340W		
	AWBH	Egypt	28.3208N	28.9038E	185	
	ASUT	Egypt	27.3967N	31.5626E	240	
	MBLG	Montserrat	16.7250N	62.1623W	287	
	RUNG	Tanzania,Tanzania	6.9372S	33.5180E	1230	
	CHOC	Czech Republic	49.7690N	18.5610E		
	QRHJ	Jordan	29.6850N	35.3220E	810	
	MO8M	Mongolia	47.5700N	106.3120E	1331	From 2008-12-01 to 2009-06-01
	XTAL	Ecuador	0.2020S	78.6688W	2040	
	AL34	Alaska,U.S.A.	64.9100N	147.4464W		

SEISMOLOGICAL OBSERVATORIES

IN ALPHABETICAL ORDER OF STATION CODE

Code	*Station Name*	*Other*
034A	Hebbronville	
035A	Encino	
035Z	Hargill	
058A	Arcadia	
059A	Moore Haven	
059Z	Ave Maria	
060A	Indiantown	
060Z	West Palm Beach	
061Z	Ochoppi	
062Z	Marathon	
109C	Camp Elliot, Miramar	
112A	Yuma	
113A	Mohawk Valley, Roll	
114A	Black Gap (USAF), Gila Bend	
115A	Sonoran Desert, Stanfield	
116A	Eloy	
117A	Oracle	
118A	Homack Ranch, Wilcox	
119A	Ashpeak Ranch, Duncan	
120A	U Bar Ranch, Lordsburg	
121A	Cookes Peak, Deming	
122A	Conniff Cattle Co., Rinco	
123A	Bell Site, White Sands Missile Range	
124A	Stringfield Ranch, Weed	
125A	Gardner Draw, Artesia	
126A	Clayton Basin, Artesia	
127A	Arkansas Junction, Hobbs	
128A	Castleberry Farm, Seminole	
129A	Stewart Farms, Lamesa	
130A	Snyder	
131A	Roby	
133A	Hamilton Ranch, Breckenridge	
134A	White-Moore Ranch, Lipan	
135A	Vickery Place, Crowley	
136A	Ennis	
137A	Heron Place, Grans Saline	
138A	Matatall Enterprise, Big Sandy	
139A	Bunkhouse Ranch, Marshall	
140A	Cam and Jess, Hughton	
141A	Papa Simpson, Farm, Arcadia	
142A	Monroe	
143A	Socs Landing, Pioneer	
144A	Alexander Place, Bentonia	
145A	Houston Renfrow, Canton	
146A	Union	
147A	Livingston	
148A	Greensboro	
149A	Jones	
150A	Eclectic	
151A	Opelika	
152A	Waverly Hall	
153A	Fort Valley	
154A	Montrose	
155A	Kite	
156A	Sylvania	
157A	Early Branch	
158A	Hollywood	
214A	Organ Pipe National Monument, Ajo	
216A	Three Points, Tucson	
217A	Green Valley	
218A	Dragoon	
219A	White Tail Canyon, San Simon	
220A	Playas Peak, Playas	
221A	Mesquite Ranch, Deming	
222A	Williams Family Ranch, Las Cruces	
223A	Chaparral, Anthony	
224A	Cornudas Mountain, Dell City	
225A	Deer Hill, Carlsbad	
226A	Malaga, Loving	
226B	Tecolote Peak, Malaga	
227A	Bennet, Jal	
228A	UT Block 9, Goldsmith	
229A	Bryant Ranch, Stanton	
230A	Sterling City	
231A	Bronte	
232A	Coleman	
233A	Rising Star	
234A	Clairette	
236A	Katherine and Luke Keathley, Corsicana	
237A	Washetta, Montalba	
238A	Jacksonville	
239A	Gary	
240A	Hunter Patterson, Mansfield	
241A	Mo Tay, Goldonna	
242A	Grayson	
243A	Waterproof	
244A	Avery, Jackson	
245A	Little AP, Star	
246A	Jackson Lee, Bay Springs	
247A	Quitman	
248A	Dixon Mills	
249A	Camden	
250A	Grady	
251A	Midway	
252A	Lumpkin	
253A	Americus	
254A	Abbeville	
255A	Hazlehurst	
256A	Glennville	
257A	Skidaway Island, Savannah	
2RIO	Dos Rios de Upala	
318A	Bisbee	
319A	Douglas	
320A	Kipp Ranch, Antelope Well	
324A	Moseley Ranch, Sierra Blanca	
325A	Bean Ranch, Sierra Blanca	
326A	Caldwell Ranch, Toyah	
327A	Balmorhea Ranch, Pecos	
328A	Wristen Ranch, Grandfalls	
329A	Wagon Wheel Ranch, Midkiff	
330A	Mertzon	
331A	San Angelo	
332A	Millersview	
333A	Richland Springs	
334A	Lometa	
335A	Moody	
336A	Riesel	
337A	Centerville	
338A	Crockett	
339A	Huntington	
340A	Bronson	
341A	Kurthwood	
342A	Flagon Creek Properties, Pineville	
342B	Flagon Creek Properties, Pineville	
343A	Vidalia	
344A	Westbrook Farm, Meadville	
345A	Thompson Farm, Foxworth	
346A	Big Creek Wildlife, Hattiesburg	
347A	Saraland	
348A	Jackson	
349A	Repton	
350A	Dozier	
351A	Pinckard	
352A	Blakely	
353A	Camilla	
355A	Pearson	
356A	Blackshear	
357A	Townsend	
425A	Indio Mountain, Van Horn	
426A	McDonald Observatory, Fort Davis	
427A	Hayter Ranch, Fort Stockton	
428A	Kincaid Ranch, Fort Stockton	
429A	Davenport Ranch, Sheffield	
430A	Baggett Ranch, Ozona	
431A	Sonora	
432A	Menard	
433A	Art	
434A	Burnet	
435A	Jarrell	
435B	Jarrell	
436A	Wall Ranch, Gause	
437A	Phantom Ranch, North Zulch	
438A	Sam Houston State University, Huntsville	
439A	Center Grove, Livingston	
440A	Kirbyville	
441A	DeRidder	
442A	Mamou	
443A	Delano Plantation, Melville	
444A	Pine Grove	
445A	Amite	
446A	Poplarville	
447A	Lucedale	
448A	Bay Minette	
449A	Pace	
450A	Crestview	
451A	Vernon	
452A	Marianna	
453A	Whigham	
454A	Quitman	
455A	Stateville	
456A	Hilliard	
457A	Yulee	
5053	Calexico	
5054	Holtville Bonds Crnr Olima	
526A	Mary Lane Ranch, Marfa	
5271	Bombay Beach	
527A	Woodward Ranch, Alpine	
528A	Cox Ranch, Sanderson	
529A	Stev Forest Ranch, Sanderson	
530A	J-C Ranch, Comstock	
531A	Rocksprings	
532A	Rocksprings	
533A	Kerrville	
534A	Blanco	
535A	Dale	
536A	Bastrop	
537A	Green Hill Farm, Brenham	
538A	Harpers Horsepen, Conroe	
539A	Cross D Ranch, Liberty	
540A	Vidor	
541A	Lake Charles	
542A	Morse	
543A	St. Martinville	
544A	White Castle	
545A	Edgard	
545B	Wilberts Farm, Edgard	
546A	Slidell	
552A	Lynn Haven	
553A	Crawfordville	
554A	Perry	
555A	McAlpin	
556A	Lake Butler	
557A	Orange Park	
626A	Big Bend Ranch, Presidio	
627A	Terlingua Ranch, Terlingua	
628A	Black Gap, Marathon	
631A	Perdido Creek Ranch, Del Rio	
632A	Uvalde	
633A	Saathoff Ranch, Hondo	
634A	China Grove, San Antonio	
635A	Leesville	
636A	Smothers Creek Ranch, Hallettsville	
637A	Eagle Lake	
638A	Rosharon	
645A	Chauvin	
646A	Port Sulphur	
655A	Horseshoe Beach	
656A	Willston	
657A	Interlachen	
658A	Bunnell	
732A	Laxson Ranch, Crystal City	
733A	Divot King Ranch, Dilley	
734A	La Parita Creek, Jourdanton	
735A	Kenedy	
736A	Circle Diamond K Ranch, Victoria	
737A	Port Lavaca	
738A	Farr-Stevens Ranch, Sargent	
757A	Oxford	
758A	Lake Helen	
832A	Faith Ranch, Carrizo Springs	
833A	Chaparral WMA, Artesia Wells	
834A	Tilden	
835A	Beeville	
857A	Zephyrhills	
858A	St. Cloud	
859A	Kempfer Cattle CO., St. Cloud	
933A	Laredo	
934A	Benavides	
936A	North Padre Island, Corpus Christi	
957A	Wimauma	
958A	Wauchula	
959A	Okeechobee	
A001	Piccione	
A001A	Falkenstein	
A002A	Strasshof	
A002B	Bockfliess	
A003A	Andau	
A004	Sigillo	
A004A	Ebreichsdorf	
A005A	Schmida	
A005B	Stockerau	
A006A	Kleinriedenthal	
A007A	Messern	
A008A	Tiefenfucha	
A009A	Wartmannstetten	
A01	A01	
A010A	Fuerstenfeld	
A011A	Rohrbach	
A011B	Reinberg	
A012A	Langenwang	
A013A	Umbach	
A014A	Thumling	
A015A	Langauhaeuser, Niederoesterreich	
A016A	Allerheiligen	
A017A	Waidhofen	
A018A	Rothwald	
A019A	Kaintal	
A02	A02	
A020A	Lannach	
A021A	Deutsch Goritz	
A022A	Hirschenstein, Niederoesterreich	
A023A	Baumgartsaur, Oberoesterreich	
A024A	Marchtrenk	
A024B	Sipbachzell	
A025A	Baerendorf, Steiermark	
A026A	Unterfahrungsstollen, Kaernten	
A027A	Holzern, Kaernten	
A028A	Falkendorf, Steiermark	
A029A	Rabinger, Steiermark	
A030A	Steinbach	
A031A	Wolfsedt, Oberoesterreich, Austria	
A032A	Johann am Walde	
A033A	Bluehnbach	
A034A	Stadlberg, Tirol	
A035A	Wasserfallboden	
A036A	Aschau i T	
A037A	Kartellspeicher, Verwall	
A038A	Kramsach, Tirol	
A04	A04	
A04A	Legoe Bay, Lummi Island	
A04D	Lummi Island	
A05	A05	
A050A	Klekovaca	
A051A	Mrakovica	
A052A	Srbac	
A05A	Maple Falls	
A06	A06	
A060A	Wasen, Napf, BE	
A060B	Romoos, Napf, BE	
A061A	Innerthal, SZ	
A062A	Arbedo Castione, Alpe di Gesero, TI	
A06A	Chilliwack	
A07	A07	
A071A	Stare Sedliste	
A072A	Chudenice	
A073A	Manetin	
A074A	Kozel	
A075A	Krivoklat	
A076A	Makova Hora	
A077A	Kestrany	
A078A	Klet	
A079A	Drachov	
A07A	Ashnola River, Keremeos	
A08	A08	
A080A	Loreta	
A081A	Dobrichov	
A082A	Zivanice	
A083A	Cachotin	
A084A	Bitov	
A085A	Strazek	
A086A	Nove Hrady	
A087A	Bouzov	
A088A	Tovacov	
A089A	Nesovice	
A08A	Turner Farm, Oroville	
A09	A09	
A090A	Maruska	
A09A	Danville	
-A0MA	Subarray A0 LASA	
A10	Crater	
A100A	Rottenburg, Weiler	
A101A	Rottweil, Deisslingen	
A101B	Rottweil, Deisslingen 2	
A102A	Sigmaringen, Junganu	
A103A	Ravensburg, Horgenzell	
A103B	Ravensburg, Schmalleg	
A103D	Ravensburg, Wasserhochbh2	
A104A	Biberach, Stafflangen	
A104B	Biberach, Stafflangen 2	
A104C	Biberach, Ahlen	
A105A	Obersdorf, Schattenberg	
A106A	Goeppingen, Maitis	
A106B	Goeppingen, Maitis	
A107A	Memmingen, Holzguenz	
A107B	Memmingen2	
A107C	Memmingen - Eisenburg	
A108A	Ulm, Ringingen	
A109A	Bad Urach, Seeburg	
A10A	Northport	
A10E	A10E	
A11	Saint Roch-des-Aulnaies	
A110A	Ernsthofen	
A111A	Volkach	
A112A	Ruppertstecken	
A113A	Birkenau	
A114A	Preunschen	
A115A	Bad Rappenau	
A116A	Ravenstein	
A117A	Grosserlach	
A118A	Schrozberg	
A119A	Rosenberg	
A11A	Hall Mountain, Copeland	
A11E	A11E	
A12	A12	
A121B	Sulzburg	
A122A	Schmieheim	
A123A	Kehl	
A124A	Enzkloesterle	
A126A	Durlach TMO44	
A127A	Annweiler Trifels TMO65	
A128A	Planckstadt TMO26	
A12A	Yaak River Ranch, Troy	
A13	A13	
A13A	Flathead National Forest, Polebridge	
A14	A14	
A140A	Vorderriss, Lenggries, Bavaria	
A141A	Hausham, Bavaria	
A143A	Bad Bayersoien, Bavaria	
A144A	Forsting, Bavaria	
A145A	Herrenchiemsee, Bavaria	
A146A	Eggstetten, Simbach am Inn, Bavaria	
A147A	Johanniskirchen, Bavaria	
A147B	Fabach, Johanniskirchen, Bavaria	
A148A	Johannesbrunn, Gerzen, Bavaria	
A148B	Wimm, Aham, Bavaria	
A14A	Double T Ranch, Babb	
A15	A15	
A157A	Serqueux, 52470, Haute-Marne	
A158A	Haudompre, 88088 La Chapelle-aux-Bois, Vosges, Lorraine	
A15A	Johnson Ranch, Cut Bank	
A16	Riviere Ouelle	
A163A	Tart-Le-Haut, 21623,	
A164A	Fourg, 25253, Doubs,	
A16A	West Butte Ranch, Sweetgrass	
A16E	A16E	
A17	A17	
A173A	Vacheresse, 74286, Haute-Savoie, Auvergne-Rhone-Alpes	
A178A	Lathuile, 74147, Haute-Savoie, Auvergne-Rhone-Alpes	
A17A	Triple J Farms, Joplin	
A18	A18	
A184A	Saint Michel d-Aurance, 07276, Ardeche, Auvergne-Rhone-Alpes	
A185A	Peyrins, 26231, Drome, Auvergne-Rhone-Alpes	
A186A	Chichilianne, 38103, Isere, Auvergne-Rhone-Alpes	
A188A	Saint Laurent les bains, 07262, Ardeche, Auvergne-Rhone-Alpes	
A18A	Metzger Ranch, Havre	
A19	A19	
A192A	Valvigneres, 07332, Ardeche, Auvergne-Rhone-Alpes	
A193A	Nyons, 26220, Drome, Rhone-Alpes	
A194A	Meolans-Revel, 04161, Alpes-de-Haute-Provence	
A199A	Bergerie de la Roque, 34343, Viols le Fort, Herault	
A19A	Klindworth Farms, Hogeland	
A19K	Wainwright	
A20	A20	
A200A	Mas Saint Remy, 30006, Aimargues	
A201A	Marais du Vigueirat, 13004, Arles, Bouches-du-Rhone	
A202A	Domaine de Cadables, 34109, Gabian, Herault	
A204A	Roquefort la Bedoule, 13085, Bouches-du-Rhone	
A205A	Foret Domaniale des	

	Maures Clau de Barrau, 83071, La Londe-les-Maures	
A206A	Radio balise VOR, 83065, Gassin, Var, Provence-Alpes-Cote d Azur	
A208A	Marignana, 2A154, Corse-du-Sud, Corse	
A209A	Venzolasca, 2B343, Haute-Corse, Corse	
A20A	Cobblestone Ranch, Loring	
A21	Saint Andre	
A210A	Manonville, 54348, Meurthe-et-Moselle,	
A211A	Xaffevillers, 88527, Vosges,	
A213A	Autrey-Les-Gray, 70041, Haute-Saone, Franche-Comte	
A214A	Chassal, 39113, Jura,	
A215A	Commelle, 38121, Isere, Rhone-Alpes	
A216A	Montmorin, 05088, Hautes-Alpes, Provence-Alpes-Cote d Azur	
A217A	Le Caire, 04037, es-de-Haute-Provence, e, Provence-Alpes-Cote d Azur	
A21A	Bergtoll Ranch, Theony	
A21E	A21E	
A21K	Barrow	
A22A	Carney Farms, Richland	
A22K	Sinclair Lake	
A23A	Redstone	
A24A	Westby	
A250A	Rusevo Krmpotsko	
A251A	Rujevac	
A252A	Venje	
A253A	Karojba, Istria	
A254A	Petrova Gora	
A255A	Hotnja, Vukomericke Gorice	
A25A	Svangstu Ranch, Noonan	
A260A	Vassurany	
A261A	Ohid	
A262A	Szaknyer	
A263A	Hollad	
A264A	Tarany	
A265A	Kaposfured	
A266A	Gyulaj	
A267A	Kaloz	
A268A	Rede	
A269A	Baj	
A26A	Wade Farm, Kenmare	
A270A	Szokolya	
A271A	Ivancsa	
A272A	Blcske	
A273A	Marcsa	
A27A	Ledoux Ranch, Antler	
A280A	Farigliano, Viaiano	
A281A	Carmagnola	
A282A	San Carlo Canavese	
A283A	Tricerro	
A283B	Tricerro	
A284A	Costa De Nobili, Padulino	
A285A	Lusurasco	
A286A	Villa Reale - Cassolnovo	
A287A	Gattinara, La Torre	
A288A	Verbania, Casa dell Alpino - Cicogna	
A289A	Bergamo, Funivia il Toro, Foppolo	
A28A	Rude Farm, Bottineau	
A290A	Bolzano, San Nicolo, Ultimo	
A291A	Badia	
A29A	Manning Farm, Rocklake	
A300A	Muzzana del Turgnano (UD)	
A301A	Isiata (VE)	
A302A	Resana (TV)	
A303A	Lido-Pellestrina (VE)	
A304A	Bellombra (RO)	
A305A	Porto Tolle (RO)	
A306A	Viano (RE)	
A307A	Bentivoglio (BO)	
A308A	Longastrino (FE)	
A309A	Martorano (FC)	
A30A	Hoffart Farm, Langdon	
A312A	Bozzolo (MN)	
A313A	Volta Mantovana (MN)	
A316A	Montecristo (LI)	
A317A	Capraia (LI)	
A318A	Donoratico (LI)	
A319A	Santa Luce (PI)	
A31A	Linda, St. Vincent	
A32A	Rocking H Ranch, Lancaster	
A33	A33	
A331A	Zubak	
A332A	Rudnianska	
A333A	Gbely	
A334A	Sterusy	
A335A	Lovce	
A336A	Medovarce	
A337A	Vahovce	
A338A	Semerovo	
A339A	Balon	
A33A	Warroad	
A350A	Guttenberg	
A351A	Priegendorf	
A351B	Rudendorf	
A352A	Bieberswoehr	
A353A	Eichelberg	
A354A	Zirndorf	
A355A	Neunburg	
A356A	Donaustauf	
A357A	Rottenburg	
A357B	Oberlauterbach	
A358A	Raindorf	
A359A	Niederharthausen	
A360A	Altes Rathaus Auernheim	
A361A	Wasserturm Kaisheim	
A362A	Friedhof Schoenenfeld	
A363A	Solarpark Todtenweis	
A364A	Kloster Scheyern	
A365A	Wasserwerk Schwabmuenchen	
A366A	Wasserwerk Kaufbeuren	
A367A	Bundeswehrkaserne Erding	
A368A	Natogelaende Bechhofen	
A369A	Schloss Sandsee - Pleinfeld	
A36M	Sachs Harbour	
A490	San Lazaro	
A492	Arado	
A494	Palo Verde	
A495	El Viejo	
A50	A50	
A51	A51	
A52	A52	
A53	A53	
A54	Misere	
A54E	A54E	
A61	Sainte Mathilde	
A64	Saint Simeon	
A70	A70	
A71	A71	
A72	A72	
A80	A80	
A82	A82	
A83	A83	
A84	A84	
A85	A85	
AA02	Valdichiascio	
AA1	Alma-Ata	AAA
AA2	Talgar	TLG
AAA	Alma-Ata	
AAB	Talgar	TLG
AAC	Aachen	
AADN	Adndan	
AAE	Adis Abeba	
AAGR	Agrelo	
AAHD	Abu Hadid	
AAI	Ambon	
AAIG	Aguscalientes	
AA-IS	Atka	
AAK	Ala-Archa	
AAL	Aland	
AALE	DHOFAR2 - YR, ALE	
AALM	Campus Universitario de Almeria	
AAM	Ann Arbor	
AAM1	Ambato 1 (Municipio)	
AAM2	Ambato 2 (Mercado Amrica)	
AAMC	University of Michigan	
AANG	Acelergrafo del Angel	
AANI	Anillaco	
AANS	Anshas	
AAP	Anini-y	
AAPN	Arroyo Pinares	
AAR	Sfinta Ana	
AARM	Airport Road	
AARS	Acelerografo, Pichincha - Arasha	
AAS	Arctowski Station	
AASA	Agas	
AASHO	DHOFAR2 - YR, ASHO	
AASM	Arroyo Seco	
AAT1	Ecuador-Atuntaqui-Hospital	
AATC	cuador-Atacames-Perla del penion casa Sr. Alberto Acosta	
AAU	Alta	
AAUS	AfricaArray - AF	
AB-	Amboy	AB-WV
AB01	Akbulak array site	
AB02	Akbulak array site	
AB03	Akbulak array site	
AB04	Akbulak array site	
AB05	Akbulak array site	
AB06	Akbulak array site	
AB07	Akbulak array site	
AB08	Akbulak array site	
AB09	Akbulak array site	
AB31	Akbulak array site	
ABA	Alger-Bouzareah	
ABA1	Baconsthorpe	
ABAB	Ecuador-Universidad Tecnica de Babahoyo	
ABAE	Abala	
ABAH	Abaujker	
ABAKI	Abakiliki	
ABANO	DHOFAR2 - YR, BANO	
ABAR	Abu 'Arish	
ABAY	DHOFAR2 - YR	
ABAZ	Army Bay	
ABB	Abborrasen	
ABC	Abeche	
ABD	La Joyeuse, Anse Bertrand	
ABDR	Alto Bandera	
ABE	Aberdeen	
ABE2	San Pablo	
ABEA	Nea Chora Chania	
ABEH	Behbahan	
ABEM	Aberfeldy	
ABEMX	Ramos, ABE	
ABEND	AfricaArray - ZP, BEND	
ABERE	Bergile	
ABF	Auke Bay	
ABG	Abington	
ABG1	Leinawald	
ABGF	Abri du Galion	
ABGH	ALIABAD KATOL	
ABH	Alteburg	
ABH1	Acelerografo, Manab - Baha Centro Casa Ing. Oswen Crespo	
ABH2	Ecuador-Universidad Catolica Bahia de Caraquez	
ABH3	Manabi, Bahia de Caraquez, Distrito de Educacion	
ABHA	Abha	
ABI	ADIBADRI	
ABIR	Abomosa Island	
ABJ	Abashiri	
ABJ2	Abashiri 2	
ABJF	Abjat-sur-Bandiat	
ABJI	Asem Bagus	
ABJM	Bob Jauregui Ranch	
ABK	Abisko	
ABKAR	Akbulak array	
ABKD	Sidi Amar	
ABKT	Ailbek	
ABL	Mount Abel	
ABLV	Afar, BLV	
ABM	Ambohimiarambe	
ABMC	Merrill Creek	
ABMD	Abulta/Almeha	
ABMS	Boumerdes	
ABN	Auburn	
ABNR	Abakan	
ABOA	Aboa	
ABOY	Afar, BOY	
ABP	Abra de Ilog	
ABPO	Ambohimpanom	
ABPP	Abucay Bataan Peninsula	
ABQ	Albuquerque	ALQ
ABR	El Abra	
ABR01	Abrolhos, BA	
ABRA	Dolores	
ABRE	Abriola	
ABRIN	Birine	
ABRM	Brophy Road	
ABRN	Auburn	
ABS	Abastumani	
ABSA	Djebel Ababsia	
ABSD	Ouled Sidi Brahim	
ABSE	Abaselama	
ABSI	Aberstueckl	
ABT	Abant	
ABTA	Abfaltersbach	
ABTN	Auburntown	
ABTO	Aybut	
ABTX	Abilene, Hawley	
ABU	Abuyama	
ABUS	Abu Simbel	
ABV	Anegada	
ABVI	Anegada Island	
AB-WV	Amboy	
ABZA	Acelerografo, Napo - Baeza, Granja Experimental	
AC01	Pan de Azucar	
AC02	Maricunga	
AC04	Llanos de Challe	
AC05	El Transito	
AC06	Mina Casimiro Domeyco	
AC07	uador-Guayaquil-Cerro o 507	
ACA	Amchitka Central A	
ACAJ	Puerto de Acajutla	
ACAL	Aguas Claras	
ACAM	Acambaro	
ACAN	Cantantal	
ACAP	Capistrello	
ACATE	Acate (RG)	
ACB	Amchitka Central B	
ACBG	Cabo de Gata	
ACC	Amchitka Central C	
ACCN	Adirondack Community College	
ACCO	Cerro Coronel	
ACD	Amchitka Central D	
ACDF	Aurillac	
ACDV	Cuesta del Viento	
ACE	Amchitka Central E	
ACEO	Ashtabula EMA	
ACER	Acerenza	
ACES	Army Corps of Engineers Seattle ANSS	
ACF	Amchitka Central F	
ACH	Altos	
ACH1	Ecuador-Universidad Tecnica de Machala	
ACH2	uador-Machala-Colibri i El Vergel	
ACHA	Angle Creek Headwaters	
ACHAM	Array-Uganda/Tanzania zania - ZP, CHAM	
ACHAR	Athens-Acharnes	
ACHB	Acheberg	
ACHE	Chepes	
ACHIE	Chifra	
ACHIM	AfricaArray - ZP, CHIM	
ACHM	Chimeneas	
ACHN	uador-Chone-Fundacion n Padre Fitzgeral	
ACHO	Acelerografo, Imbabuta - Chontal	
ACHO3	Achotines, Los Santos	
ACHR	Chrea	
ACHS	Amedichi	
ACI	Arcavacata	
ACIG	Acambay	
ACIS	Arcavacata di Rende	
AC-IS	Amchitka	
ACJS	Manab - Cojimies	
ACK	Alder Creek	
ACKN	Achilles Lake	
ACL	Alicudi	
ACLA	Agua Clara, Sierra Llorona en Colsn	
ACLC	CERRO LA CRUZ	
ACLR	Calar Alto	
ACLS	Los Chiles	
ACM	Allegan	
ACM01	Campo, CM01	
ACM02	Meyiboto, CM02	
ACM03	Yokadouma, CM03	
ACM04	Ngan, CM04	
ACM05	Kribi, CM05	
ACM06	Ambam, CM06	
ACM08	Ndonga, CM08	
ACM10	Ngambe, CM10	
ACM11	Abong Mbang, CM11	
ACM12	Ntui, CM12	
ACM13	Kumba, CM13	
ACM14	Batouri, CM14	
ACM15	Bare, CM15	
ACM16	Bfoussam II, CM16	
ACM17	Yoko, CM17	
ACM18	Mamfe, CM18	
ACM19	Magba, CM19	
ACM20	Bu, CM20	
ACM21	Tibati, CM21	
ACM22	Ngaoundal, CM22	
ACM23	Ntumbaw, CM23	
ACM24	Ntumbaw, CM24	
ACM25	Banyo, CM25	
ACM26	Ngaoundere, CM26	
ACM27	Tignere, CM27	
ACM28	Poli, CM28	
ACM29	Yelwa, CM29	
ACM30	Figuil, CM30	
ACM31	Yagoua, CM31	
ACM32	Dougou, CM32	
ACNC	Ecuador-Cuenca-Aeropuerto	
ACO	Alabaster Cavern State Park	
ACOC	uador-Coca-Secretaria a de Gestion de Riesgos	
ACOH	Alum Ck. St. Park	
ACOM	Acomizza, Italy	
ACON	Acoyapa	
ACOR	Acrocorinthos	
ACOS	Acosta	
ACOT	Cotacachi (Casa del Agua)	
ACP	Acatlan	
ACP2	Acapulco	
ACQ	Acqui Terme	
ACR	Cerro Adams	
ACRA	Athens-Acropolis a	
ACRE	Athens-Acropolis e	
ACRG	Accra	
ACRK	Athens-Acropolis k	
ACRM	Ecuador-Municipio El Carmen	
ACRN	Hopewell, ACRM	
ACSO	Alum Creek State Park	
ACTN	Antioch Church	
ACTO	Acton	
ACU	Canalobre	
ACUE	Ecuador-Cuenca-Rayo Loma Transelectric	
ACVZ		
ACX	Acapulco	
ACY	Acoyapa	
AD-	Adak Island	AD-IS
AD01	Meldola (FC)	
AD02	Mondaino (RN)	
AD03	Mombaroccio (PU)	
AD04	Corinaldo (AN)	
AD05	S.Marcello (AN)	
AD06	Osimo (AN)	
AD1	Great Sitkin	
AD2	Umak	
AD3	Kagalaska	
AD4	Hidden Bay	
AD5	Yakak	
AD6	South Kanaga	
AD7	North Kanaga	
AD8	Adagdak	
ADA	Adak	
ADAG	Mount Adagdak	
ADAL	Adalicio	
ADAT	Adana	
ADB	khalkal	
ADC	Auburn Dam	
ADCK	Dar Chioukh	
ADCR	Adamclisi	
ADCS	Ashburton	
ADCV	BITLIS_Adilcevaz	
ADDN	Jabal Ad Dan - Dhamar Gov. - Yemen	
ADE	Adelaide	
ADEE	Ethiopia-Afar Geoscientific Lithospheric Experiment	
ADEN	Aden	
ADES	Adelaida	
ADH	Angra Heroismo	
ADH0	Angra Heroismo	
ADHO	DHOFAR2 - YR	
ADI	Adamit	
AD-IS	Adak Island	
ADIT	Lawson Adit, UC Berkeley, California	
ADJ	ADJUD	
ADJB	Djebel Djouab	
ADJF	Tadmit	
ADK	Adak	
ADKI	Addanki	
ADL	Adelanto	
ADM	NRDS	
ADMTO	DHOFAR2 - YR, DMTO	
ADN	Adams	
ADO	Adelanto Receiving Station	
ADOA	Andong Acc Borehole	
ADOK	Arcadia Dam	
ADOR	Douera	
ADR	Anderson Reservoir	
ADRA	Adra	
ADRI	Adria, Italy	
ADSC	Addlestone Acy	
ADT	Adana	
ADTE	Adait	
ADUE	Ethiopia-Afar Geoscientific Lithospheric Experiment	
ADUR	Acelerografo, Guayas - Duran	
ADV	Adventbay Spitsbergen	
ADVT	Abdulvahap	
ADWM	Drytown Water District	
ADYE	Abi Ad	
ADZR	Andozero	
AE-	Albemarle	AE-NC
AEB	Amchitka	ASB
AECU	Ecuador Network	
AEIL	Aeropuerto Ilopango	
AEKI	Aeknabara	
AE-NC	Albemarle	
AERF	Escuela - Rosario de la Frontera	
AES1	ador-Esmeraldas-Balao ao Refineria	
AES2	Ecuador-Puerto Esmeraldas Inocar	
AETJ	Atarfe	
AEU	East Anglia University	
AF01	San Pedro de Atacama	
AFAR	Ash Flat	
AFC	Alfacar	
AFDE	Aroley	
AFDJ	Sidi Ladjel	
AFDM	Forest Hills Divide	
AFFS	`Afif	
AFH	Ashford Hill	

Code	Station Name	Other
AFHM	Forest Hill Site	
AFI	Afiamalu	
AFIF	Afif	
AFINE	Finto	
AFL	Alpe Faloria	
AFME	Afdera	
AFO1	Alfred	
AFO2	Alfred	
AFOK	Anatahan S. Rim	
AFON	Font Roja	
AFR	Afareaitu	
AFRM	Fiddyment Ranch	
AFRS	Ain Fares	
AFRZ	Afriz	
AFS	Agadir Fac de Sc.	
AFSR	Afar-Bala (Ankara)	
AFUE	Fuente Hervidero	
AFYN	Afyon-Dinar-Knk	
AFYO	Afyonkarahisar	
AG-	Augusta	AG-ME
AG11	Viggiano (PZ)	
AG51	Grumento Nova (PZ)	
AGA	Agualva	
AGA01	Agarn, Football field, VS	
AGAC	Agave Hill	
AGAL	Gebel Alisa	
AGAM	Agassiz Lake	
AGBL	Cinco Dias	
AGBLB	Aguas Belas	
AGBR	Sao Joaquim do Monte	
AGC	Angel Island	
AGCC	Aguachica	
AGCH	Angol	
AGD	Arta Grotte	
AGDM	Agdam	
AGDR	DHOFAR2 - YR, GDR	
AGE	Agenahambo	
AGEO	AgiosGiorgios, Aigialia, West Greece	
AGG	Agios Georgios	
AGI	Augustine Island	
AGIA	AGIA	
AGIM	Gold Rush Inn	
AGL	Agalyk	
AGLI	Aglientu	
AGLP	Mina gua Limpa, MG, Brazil	
AGM	Allagash	
AG-ME	Augusta	
AGMN	Agassiz National Wildlife Refuge	
AGMR	Gebel Marawa	
AGMT	cuador-Guamote-Cuerpo de Bomberos	
AGN	Agin	
AGN1	Agios Nikolaos	
AGNA	Agios Nikolaos	
AGNN	Agnone	
AGO	Saint Agoulin	
AGOC	Agoura	
AGOR	Agordo	
AGOS	10 DE AGOSTO	
AGP	Aguadilla	
AGPR	Aguadilla, PR	
AGR	Agra	
AGR2	Agrinio	
AGR3	Agrinion	
AGRA	Agra	
AGRB	Hanur-Agry	
AGRD	Ecuador-Guaranda-U.T. de Guaranda	
AGRI	Agrihan Island	
AGRP	Agrapidokambos, Nafpaktia, West Greece	
AGRT	Agri	
AGRW	Gebel Rewraw	
AGSA	Angseong	
AGST	Augusta-Monte Tauro	
AGSX	Ej. Aguas Calientes	
AGT	Agartala	
AGT1	Agia Thekli	
AGU	Augustine-Summit	
AGUA	GUANDACOL	
AGUAY	Guayaquil	
AGUN	Aguas Calientes	
AGUTJ	Tijuana	
AGUV	La Aguada	
AGV	La Aguada	
AGVB	Aqua Vermelha	
AGX	Aguascalientes	
AGXA	Nea_Anchialos	
AGYR	Agha	
AGZ	La Independencia	
AHA	Ahua	
AHAM	Afar, HAM	
AHAN	Ardahan-Merkez-Sulakyurt	
AHAR	Ahar	
AHARE	Harses	
AHB	Akutan Harbor	
AHBU	AHRAM	
AHCB	Chemainus	
AHDM	Hacienda Drive	
AHID	Auburn Hatchery	
AHLV	Sanatorio - la Vina	
AHML	Horco Molle	
AHMR	Akhmetovskaya	
AHRM	Harold F. Ross	
AHRW	Bad Neuenahr-Ahrweiler	
AHS	Asahigawa	
AHU	Ahuachapan	
AHUA	Ecuador-Huaquillas Colegio Municipal	
AHWZ	Ahwaz	
AI-	Alliance	AI-NB
AIA	Argentine Island	
AIA1	Aiani, KOZANI	
AIAI	Ai-Ais	
AIB	Aibetsu	
AIB1	uador-Imbabura-Ibarra a Cuerpo de Bomberos	
AIB2	Ibarra (Universidad Catlica)	
AIC	Anacapa Island	
AICH	Aicho	
AID	Aizu	
AIDA	Aidipsos	
AIDS	Halavar	
AIES	Las Flores	
AIG1	Aigion	
AIG2	Aigio	
AIG3	Aigion	
AIG4	Aigion	
AIGLE	Aigle	
AIK	Aikawa	
AIL	L'Aileron	
AIMS	r-Tababela-Aeropuerto uerto Mariscal Sucre	
AIN	Ainahou	
AI-NB	Alliance	
AINDI	AfricaArraySE Tanzania Basin Experiment - YH, INDI	
AIO	Antillo	
AIOA	Agios Ioannis, Aigialia, West Greece	
AIPV	Ipv	
AIR06	AIROLA	
AIS	Amsterdam Island	
AIT	Ait Ouarda	
AITP	Aitape	
AIUT	Southern Antelope Island	
AIZW	AIZWAL	
AJAC	Base Areonavale d'Aspretto	
AJAF	Ajaccio	
AJAR	Ajai Ranch	
AJAX	Aniakchak Jack	
AJB2	Jaromillo Abaja	
AJI	Ajiro2	
AJLJ	Ajlon	
AJM	Ajmer	
AJMR	Ajmer	AJM
AJN	Ajban	
AJPJ	JIPIJAPA 2	
AK-	Atoka	AK-OK
AK0	North Tanaga	
AK01	Malin Array Site 01	
AK02	Malin Array Site 02	
AK03	Malin Array Site 03	
AK04	Malin Array Site 04	
AK05	Malin Array Site 05	
AK06	Malin Array Site 06	
AK07	Malin Array Site 07	
AK08	Malin Array Site 08	
AK09	Malin Array Site 09	
AK1	West Kanaga	
AK10	Malin Array Site 10	
AK11	Malin Array Site 11	
AK12	Malin Array Site 12	
AK13	Malin Array Site 13	
AK14	Malin Array Site 14	
AK15	Malin Array Site 15	
AK16	Malin Array Site 16	
AK17	Malin Array Site 17	
AK18	Malin Array Site 18	
AK19	Malin Array Site 19	
AK2	South Tanaga	
AK20	Malin Array Site 20	
AK21	Malin Array Site 21	
AK22	Malin Array Site 22	
AK23	Malin Array Site 23	
AK3	North Tanaga	
AK4	Bobrof	
AK5	North Tanaga	
AKA	Akutan	
AKA1	Akutan 1	AKA
AKA2	Akutan 2	
AKA4	Akutan 4	
AKA5	Akutan 5	
AKAD	AfricaArray - AF, KAD	
AKAMZ	Array-Uganda/Tanzania zania - ZP, KAMZ	
AKAR	Aktash	
AKAS	Kas	
AKASG	Malin Array Beam Reference Point	
AKAY	Kef Ayad	
AKB	Aktobe	
AKBB	Malin Array Site BB	
AKBBA	Akutan Broad B.	
AKC	Akcakoca	
AKCA	Adyaman/G¶lba/Ak§akaya	
AKCD	Akcadag	
AKCZ	Akaroa Harbour	
AKDA	Akdag	
AKDM	Akdamar-Van	
AKDN	Akdeniz- Kıbrıs	
AKED	El Kharrouba	
AKEE	Akesta	
AKET	Djebel Ketaf	
AKF	Akfadou	
AKFT	Tuzla	
AKGG	Akutan Green Grass	
AKGH	Akosombo	
AKH	Akhalkalaki	
AKHS	Akhisar	
AKI	Akita	
AKI1	Akita	
AKIJ	Akita 2	
AKIN	Akıncılar- Kıbrıs	
AKIR	Afar, KIR	
AKK	Akkeshi	
AKK1	Akkuyu-Mersin	
AKK2	Akkuyu-Mersin	
AKKT	Akkus	
AKKU	Akkuyu-Mersin	
AKL	Akola	
AKLM	AKL	
AKLV	Akutan Long Valley	
AKM	Akama	
AKMC	Akamas	
AKMO	Akutan Morgan	
AKMS	Akamas	
AKN	Aaknes	
AKO	Adana	
AK-OK	Atoka	
AKOS	Akosombo Dam	
AKPI	Kirsehir/Akpinar	
AKR	Ocre	
AKR1	Akrata	
AKRB	Akutan Reef Bight	
AKRG	Al Kharijah	
AKRL	Khor El Raml	
AKRT	Stavros Akrotiri	
AKS	Akhisar	
AKSA	Akutan Strait	
AKSR	Khor Sakr	
AKSY	AKSARAY - Altinkaya	
AKSZ	Araks	
AKT	Akhty	
AKTK	Aktyubinsk	
AKTO	Aktyubinsk	
AKTT	Aktoprak	
AKU	Akureyri	
AKU-	Akureyri	
AKUL	Akkuyli	
AKUM	Antalya-Kumluca	
AKUR	Kurkur	
AKUT	Akutan	
AKV	Akutan Volcano	
AKVQ	Akulivik	
AKWA	Algayed	
AKY	Akyazi	
AL-	Antlers	AL-OK
AL1	Aidlin Power Plant 1	
AL2	Aidlin Power Plant 2	
AL3	Aidlin Power Plant 3	
AL31	ALPA Array Site 31	ALAR
AL32	ALPA Array Site 32	
AL33	ALPA Array Site 33	
AL34		FBAL
AL35		AL5
AL36	ALPA Array Site 36	
AL37	ALPA Array Site 37	
AL4	Aidlin Power Plant 4	
AL5	ALPA Array Site 35	
AL6	Aidlin Power Plant 6	
ALA	Alamo	
ALAG	Acelerografo, Sucumbios - Lago Agrio	
ALAH	cuado-Alausi-Hospital Civil	
ALAM	Latrobe	
ALAMX	Rancho Alamar	
ALAN	Alanya-ANTALYA	
ALAR	ALPA Array Beam Reference Point	
ALAS	Alassa	
ALAT	Latacunga	
ALAU	Alaus, Posada N	
ALB	Alberni	
ALB1	ALBI	
ALBA	Albanya	
ALBD	Alberton, Johannesburg	
ALBI	Allahabad	
ALBO	Alboran Island OBS	
ALC	Alcan	
ALCE	Alcedo, Punta Alfaro	
ALCI	Alchi Leh	
ALCN	Alcanar	
ALCS	Alfacar	
ALCT	Alcott Elementary School	
ALCX	Castello	
ALD	Alter Ridge	
ALDR	Aldan	
ALE	Alert	
ALEE	Ado Ale volcano	
ALEG	Aligegeo Malaita	
ALEP	Alea Permanent	
ALER	Alexandrovskoye	
ALEX	Alexandroupolis	
ALF	Alfred	
ALF01	Guarapari-ES	
ALF2	Valle Quemado	
ALFC	Alefka	
ALFM		
ALFO	Alfred	
ALG	Algiers University	
ALGO	Algonquin Park	
ALGR	Alto Alegre (Brazil)	
ALGS	Alagyaz	
ALH	Alicahue	
ALHU	Pen de Alhucemas	
ALI	Alicante	
ALIA	Aliabad	
ALIB	Äli-Bayramli	
ALIBA	Liberia Airport	
ALIBE	La Libertad	
ALID	Alaid	
ALIG	Mtskhetisjvari	
ALIK	Aliki, Aigialia, West Greece	
ALIN	Konya, Altintekin	
ALIT	Ecuador-Imbabura-Lita	
ALJ	Aljibe	
ALJ1	ador-Loja-Universidad ad Tecnica Particular de Loja	
ALJA	Alia	
ALJI	Alcalda de Jiquilisco	
ALKI	Alki Wastewater Plant ANSS-SMO	
ALKP	Alkanpan, Northen Cape, South Africa	
ALL	Alla	
ALLA	Alla	ALL
ALLY	Alegheny College	
ALM	Almeria	
ALM1	Almyros	
ALME	Alemaya	
ALMG	Alamagan	
ALML	Lajes	
ALMR	Almeirim	
ALMT	Alberton, Montana	
ALN	Alexandroupolis	
ALNA	Alonissos	
ALNE	Al Ain	
ALNG	Atlantic LNG	
ALNM	Lincoln	
ALO	Ashland	
ALOA	Alotau	
ALOHA	Station ALOHA	
ALOJ	Loja	
AL-OK	Antlers	
ALOL	LOMAS DE OLMEDO	
ALOR	Ecuador-San Lorenzo-Base Maritima Naval	
ALOT	Alotau	
ALP	Ascoli Pisceno	
ALPC	Antelope	
ALPN	Alpine	
ALPW	Alpine	
ALQ	Albuquerque	
ALR	Isla de Alboran	
ALRB	Anaheim Lake	
ALRZ	Allen Road	
ALS	Alishan	
ALSD	Alessandria	
ALST	Alston	
ALT	Altintas	
ALT01	Santillana del Mar (Cantabria)	
ALT02	Santillana del Mar (Cantabria)	
ALT03	Santillana del Mar (Cantabria)	
ALT11	ALTAVILLA IRPINA	
ALTA	Alta Urco	
ALTM	Altmuhljura-Amtmannsdorf	
ALTN	Altintas	
ALTO	Alotau	
ALTU	Alat	
ALTV	Alturitas	
ALU	Alushta	
ALUC	Giresun/Alucra	
ALUM	Lumbreras	
ALV	Alvord Mountain	
ALVK	Alvank	
ALVY	Alvey	
ALWS	Ilw as Safayhah	
ALX	Alexander Bay	
ALX1	Alexandroupolis	
ALXA	Alekseevka, NSO, Russia	
ALZ	Aoulouz	
AM-	Ardmore	AM-OK
AM01	Amandola Torre del Podest	
AM02	Amandola Istituto Tecnico	
AM03	Amandola Ospedale	
AM04	Amandola Base Costone Ospedale	
AM05	Amandola Campo Sportivo	
AM1	Amasugawa 1	
AM2	Amasugawa 2	
AM9	Amelia	AMI
AMA	Amatignak Island	
AMA1	Acelerografo, Esmeraldas - Terminal Martimo	
AMAC	Ecuador-Machachi	
AMAD	Amandola	
AMADO	DHOFAR2 - YR, MADO	
AMAG	Maghara	
AMAKA	AfricaArray - ZP, MAKA	
AMAL	Malcesine	
AMAN	Manam	
AMANS	Array-Uganda/Tanzania zania - ZP, MANS	
AMANT	Manta	
AMAR	Marayes	
AMAS	Alto Masis	
AMAZ	Amatzia	
AMB	Ambulong	
AMB1	Ambar	
AMBA	Amambai (Brazil)	
AMBH	Ambrzfalva	
AMBZ	Amberd	
AMC	Almaden	
AMC*	Amchitka	
AMCA	GAD MUNICIPAL DE MACARA	
AMCR	Ecuador-Macara	
AMCS	Ecuador-Macas Aeropuerto	
AMCZ	Amberley	
AMD	Amderma	
AMD1	Meshkindasht	
AMDA	Medea	
AMDE	Amderma	
AMDNV	Amargosa	
AME	Amchitka East	
AMEN	Colle Ameno	
AMF	American Fork	
AMG	Americus	
AMGA	Amorgos Island	
AMGES	AMGES	
AMI	Amelia	
AMIKU	AfricaArray - ZP, MIKU	
AMIL	Milagro (Transelectric)	
AMIS	Naft Sefid	
AMJ	Amo	
AMK1	Thessaloniki Airport	
AMKA	Amchitka	
AMKRE	AfricaArray - ZP, MKRE	
AML	Almayashu	
AML1	Amfilochia	
AMLC	Mogote Corralitos	
AMM	Anaconda	
AMME	Ethiopia-Afar Geoscientific Lithospheric Experiment	
AMN	Amanu	
AMNH	Manhattan	
AMNT	Manta-Manabi	
AMO	Ambon	
AMO1	MONTECRISTI, CIUDAD ALFARO	
AMOG	MOGNA	
AM-OK	Ardmore	
AMOM	Mompiche	
AMOR	Amorgos	
AMOY	Afar, MOY	
AMP	Ambar	
AMPA	Desamparados	
AMPL	Ampelaki	
AMR	Amargosa	
AMRC	Marco	
AMRG		
AMRH	Mont Rhoder	
AMRM	AMRM	
AMRP	Almeirim	
AMRR	Amara	
AMS	Amos	
AMSN	Amaseno	
AMSY	Amasya-Merkez	
AMT	Artemida-Makistos	
AMTV	Ecuador-Monte Verde-Cenaim Espol	
AMTX	Amarillo	
AMU	Anchorage	
AMUK	Mukalla, MUK	
AMUR	Altamura	
AMVM	AMECAMECA	
AMW	Mount Adams	
AMYA	Amyntaio	
AMZI	Amatzia	
AN-	Angela	AN-MA
AN1	Anna	
AN1*	Pine Canyon	PNC
AN10	Anna	

Code	*Station Name*	*Other*
AN11	Anna	
AN12	Anna	
AN12*	Salinas Radio	SRC
AN13*	Quien Sabe	QSR
AN14*	Cienega Rd	BCGM
AN15*	Johnson Can.	JHC
AN2*	Forsythe	
AN3	Anna	
AN3*	San Juan Grade	HJGM
AN4	Anna	
AN4*	Pacheco Lake	PCL
AN5*	Dillon Ranch	DIL
AN6*	Chase Ranch	CSR
AN7	Anna	
AN7*	Canada Road	CDC
AN8	Anna	
AN8*	Peckham Road	PKC
AN9	Anna	
AN9*	Anzar Reservoir 9	
ANA	Amchitka	
ANA01	Lindo Horizonte, BA, Brazil	
ANA2	Anatahan	
ANAC	Anensky vrch	
ANAF	Anafi Island	
ANAL	New Alisa	
ANAR	Anarak	
ANAT	Anatahan	
ANB	Amchitka	
ANBD	Bethesda, Antigua	
ANC	Marguerite Bay	
ANCC	Alto Anchicaya	
ANCH	Antofagasta	
ANCK	Angle Creek	
ANCO	Parque Anchorena, Colonia	
ANCR	Anchorite	
AND	Amchitka	
AND3	Andretta	
ANDM	Andravida	
ANDN	Andirin	
ANDO	Antigua, Disaster Office	
ANDR	Anadyr'	
ANDR2	Anadyr, Chukotka	
ANDRE	Andros, ANDR	
ANDZ	Kutahya, Merkez-Andiz	
ANE	Angren	
ANEL	Aelo, Neuquen, Argentina	
ANER	Nerja	
ANG	Antigua	
ANGC	Angol	
ANGG	Ammassalik, Greenland	
ANGL	Ecuador	
ANGR	Angarakan	
ANGS	El Angel	
ANGU	Angureal	
ANGV	Angostura	
ANGW	Angle Mountain	
ANH	Anchorage	
ANI	Aniakchak	
ANI*	Anchorage	ANH
ANIA	Aniakchak Crater	
ANIG	Ahuacatlan	
ANIL	Santa Ana	
ANJJ	Anjarah	
ANK	Ankara	
ANKA	Aniakchak	
ANKE	Ethiopia-Afar Geoscientific Lithospheric Experiment	
ANKE2	AfricaArray - AF, ANKE	
ANKY	Antikythira Island	
ANL	Andalgala	
ANM	Nome	
AN-MA	Angela	
ANMB	Anmore	
ANMD	Anmado	
ANMO	Albuquerque	
ANMR	North Marawa	
ANN	Anapa	
ANNA	Wolkenburger Bergbaurevier	
ANNE	Aniakchak Northeast	
ANNS	Annsville	
ANNW	Aniakchak Northwest	
ANOC	Antigua Open Campus	
ANON	Aniakchak	
ANP	Anpu	
ANPB	Aniakchak Plenty Bear	
ANPK	Aniakchak Peak	
ANR	Andizhan	
ANS	Ancona	
ANS1	Agios Nikolaos Laconias	
ANSS	Anadyr, Chukotka	
ANSU	AfricaArray - AF, NSU	
ANT	Antofagasta	
ANTB	Antalya	
ANTC	Antisana-Cuyuja	
ANTCA	Antelope Range	
ANTF	Antibes	
ANTG	Antisana-Guaman	
ANTI	Antisana	
ANTJ	Antonio Joao (Brazil)	
ANTM	Antisana-La Mica	
ANTN	Anderson	
ANTO	Ankara	
ANTR	Antelope Ridge	
ANTS	Antisana-Sarahuasi	
ANTT	Antakya	
ANTU	Antumapu	
ANTZ	Aouinet Torkoz	
ANU	Antelope Island	
ANV	Anvil Mountain	ANM
ANVS	Anan'yevo	
ANVZ		
ANWB	Willy Bob	
ANWZ	Angora Road	
ANX	Ano Chora	
ANZ	Anzar Road	
AO-	Argonne	AO-WS
AOB	Aobayama	
AODM	Outingdale	
AOEA	Aiquile	
AOF	Agadir Oufela	
AOHM	Oregon House	
AOI	Ancona	
AOL1	Archaia Olimpia	
AOLM	OLMEDO, CENTRO DE SALUD	
AOM	Aomori	
AOM1	Aomori	
AOM3	Aomori 3	
AOMJ	Aomori 2	
AONC	Vina, CA USA	
AOPR	Arecibo Observatory	
AOS	Alonnisos	
AOS2	Alonissos-2	
AOSA	Aosta	
AOT	Adel	
AOTA	Otavalo	
AOU	Aou	
AOVM	Tlapan	
AOVT	TarijaAcel	
AO-WS	Argonne	
AP-	Apache	AP-OK
AP01	Chacalluta	
AP3N	Apex site 3 Nunavut	
APA	Apatity	
APA0	Apatity Array Site A0	
APA1	Apatity Array Site A1	
APA2	Apatity Array Site A2	
APA3	Apatity Array Site A3	
APAC	Apartado, Choco	
APAE	Packway	
APAES	Apatity Array Beam Reference Point	
APB1	Apatity Array Site B1	
APB2	Apatity Array Site B2	
APB3	Apatity Array Site B3	
APB4	Apatity Array Site B4	
APB5	Apatity Array Site B5	
APC	Apacha	
APCG	Parque de las Ciencias	
APE	Apeiranthos	
APEC	Apecchio	
APED	Ecuador-Perdenales	
APER	Aper	
APEZ	Moni Apezanon	
APG	El Apazote	
APGM	Casa Mquinas Miravalles	
APGO	Alpago	
APH	Airport Hangar	
APHE	Pico Herrero	
API	Apia	
APIN	Pingrup, PIN	
APJL	GAD MUNICIPAL DE PUJILI	
APJN	PAJAN	
APK	Angel's Peak	
APKW	Angels Peak	
APL	Alpnach	
APLA	Playas - Guayaquil	
APLL	PUNTA DE LOS LLANOS	
APM	Augspurger Mountain	
APMT	Aspermont	
APMY	Acipayam-Denizli	
APN	Apakhonchich	
APNR	Astor Pass	
APO	Äppelbo	
APO1	cuador-Portoviejo-UTM Jardin Botanico Estacin Inamhi	
APO2	dor-Portoviejo-DIRMOV MOV CC.FF.AA.	
APO3	-PORTOVIEJO-INSTITUTO EJO-INSTITUTO NACIONAL PATRIMONIO CULTURAL	
AP-OK	Apache	
APOL	The Sanctuary of Apollo Hylates	
APON	Apoyo	
APOP	Alto Boquete	
APP	Appelbo	APO
APPA	Casa Mquinas Las Pailas	
APPI	Appiano	
APR	Arecibo	
APR1	Acelerografo, Pichincha - Quininde	
APR2	Miler	
APRC	Apricena	
APRM	Poppy Hill Road	
APRS	Wahet Paris	
APS1	Acelerografo, Sucumbios - Lago Agrio	
APS4	Papallacta	
APSI	Ampana	
APSY	Ecuador-Napo Ana Tenorio	
APT	Avery Point	
APUJ	Pujili	
APUY	Puyo	
APVM	Azcapotzalco	
APW	Alpha Peak	
APY	Apoyeque	
APYN	Apoyeque	
APYP	Conner	
APZ	The Paps	
APZ9	Apatity	
AQ6*	Aqua Casa	
AQBJ	Aqaba	
AQCC	Dique - Cabra Corral	
AQDB	Aquidauana	
AQT1	Arquata del Tronto	
AQU	L'Aquila	
AQUE	Quevedo	
AR-	Aurora	AR-WS
AR03	Chiusi della Verna (AR)	
AR1	Arenal	
AR2	Lago de Cote	
AR3	Tierras Morenas	
AR4	Solania	
AR5	Santa Elena	
AR6	Chiripa	
AR7	Cape Frico	
AR8	Nicoya	
AR9	North	
ARA	Arapuni	
ARA0	ARCESS Array Site A0	
ARA1	ARCESS Array Site A1	
ARA2	ARCESS Array Site A2	
ARA3	ARCESS Array Site A3	
ARAC	Aracena	
ARAD	ARAD	
ARAG	Araguaiana, MT - Brazil	
ARAP	Termas del Arapey, Salto.	
ARAS	Rassina, Castel Focognano (AR)	
ARB1	ARCESS Array Site B1	
ARB2	ARCESS Array Site B2	
ARB3	ARCESS Array Site B3	
ARB4	ARCESS Array Site B4	
ARB5	ARCESS Array Site B5	
ARBA	Ethiopian Broadband Seismic Experiment	
ARBE	Arbavere	
ARBF	Arbois	
ARBS	La Rabassa	
ARC	Arcata	
ARC1	ARCESS Array Site C1	
ARC2	ARCESS Array Site C2	
ARC3	ARCESS Array Site C3	
ARC4	ARCESS Array Site C4	
ARC5	ARCESS Array Site C5	
ARC6	ARCESS Array Site C6	
ARC7	ARCESS Array Site C7	
ARCA	Ara§uai, MG	
ARCB	Arc Triumf Bucuresti	
ARCES	ARCESS Array Beam Reference Point	
ARCH	Arica	
ARCI	Arcidosso	
ARCO	CERRO ARCO	
ARCR	ARCALIA	
ARCV	Arcevia	
ARCZ	Arundel	
ARD	Arida	
ARD1	ARCESS Array Site D1	
ARD2	ARCESS Array Site D2	
ARD3	ARCESS Array Site D3	
ARD4	ARCESS Array Site D4	
ARD5	ARCESS Array Site D5	
ARD6	ARCESS Array Site D6	
ARD7	ARCESS Array Site D7	
ARD8	ARCESS Array Site D8	
ARD9	ARCESS Array Site D9	
ARDC	Alexander Ranch	
ARDJ	Arjinak	
ARDO	Archidona, Tena	
ARDR	Aradan	
ARE	Arequipa	
ARE0	ARCESS Array Site E0	
ARE1	Arenal 1	
ARE2	Areopolis	
AREB	Areado	
AREE	Arenal	
AREEX	Ethiopia-Afar Geoscientific Lithospheric Experiment	
ARF	Arif	
ARG	Arkhangelos	
ARG2	Argostoli	
ARGA	Argostoli. Kephalonia	
ARGC	Ariguani, Magdalena	
ARGE	Casa Villegas, La Argelia, Quito, Ecuador	
ARGU	Argyle Ridge	
ARH	Archignac	
ARHR	Arkhangelsk	
ARHZ	Aropaoanui	
ARI	Arica	
ARIA	ARARIA	
ARIC	Ariccia	
ARIG	Puente Sto Nino	
ARIO	Riobamba	
ARJM	Robert W. Jensen	
ARK	Arkit	
ARK1	Arkalochori	
ARKL	Arkaroola	
ARKP	Armutlu	
ARKR	Arakani	
ARL	Chiapas	
ARLS	Aral	
ARM	Puerto Armuelles	
ARM2	Puerto Armuelles 2	
ARMA	Armidale	
ARME	Armento	
ARMEC	Armenia, Quindio	
ARMN	Kirklareli, Merkez-Armagan	
ARMS	Ukamas	
ARMT	Armutlu	
ARN	Arnold Ranch	
ARN1	Arnaia	
ARNAS	Arnasay	
ARNB	Al Arnab	
ARNI	Argonne North	
ARNL	Arenillas	
ARNO	Arenosillo	
ARNR	Ardon	
ARNS	Arna	
ARNU	Arnoeviken	
ARNY	Arden House	
ARO	Arta Observatory	
AROB	Aroab	
AROC	ROCAFUERTE, CENTRO DE SALUD	
AROD	Rodeo	
AROL	Arenal Observatory Lodge	
ARON	Aranos	
ARP	Angono	
ARPR	Arapgir-MALATYA	
ARPS	Mount Arapiles	
ARPT	Arp	
ARQ	Araqi	
ARR	Arges	
ARRA3	Arraijan, Panama	
ARRM	Rickey Ranch	
ARRO	Arrone	
ARRY	Arrayan	
ARRZ	Ararat	
ARS	Arshan	
ARS1	Argos	
ARSA	Arzberg	
ARSB	Arslanbob	
ARSD	Arsdorf	
ARSH	Arusha	
ARSS	Ar Rass	
ARST	Arsuz	
ART	Arta	
ART2	Arta	
ARTB	Arta	
ARTF	Artigues	
ARTI	Arti	
ARTJ	Al Aritein	
ARTL	Arthez-de-Bearn	
ARTM		
ARTR	Artybash	
ARTS	Artic	
ARTT	Arusha	
ARTV	Artvin	
ARU	Arti	
ARUT	Antelope Range	
ARUZ	Aruch	
ARV	Arcevia	
ARVA	Beit Ha Arava	
ARVC	Arvin	
ARVD	Arcevia	
ARVI	`Arava Valley	
ARVN	Arviat, NU	
ARWM	Richard P. Wilkes	
AR-WS	Aurora	
ARX	ARAXOS	
ARXR	Arkhyz	
ARXS	Arharly	
ARY	Ariccia, Rome	
ARZA	Esparza	
AS01	Alice Springs Array Site 1	
AS02	Alice Springs Array Site 2	
AS03	Alice Springs Array Site 3	
AS04	Alice Springs Array Site 4	
AS05	Alice Springs Array Site 5	
AS06	Alice Springs Array Site 6	
AS07	Alice Springs Array Site 7	
AS08	Alice Springs Array Site 8	
AS09	Alice Springs Array Site 9	
AS10	Alice Springs Array Site 10	
AS11	Alice Springs Array Site 11	
AS12	Alice Springs Array Site 12	ASAR
AS13	Alice Springs Array Site 13	
AS14	Alice Springs Array Site 14	
AS15	Alice Springs Array Site 15	
AS16	Alice Springs Array Site 16	
AS17	Alice Springs Array Site 17	
AS18	Alice Springs Array Site 18	
AS19	Alice Springs Array Site 19	
AS31	Alice Springs Site	
ASA	Asahikawa	
ASAI	AK-SAY(Kyrgyzstan)	
ASAJ	Asahikawa	
ASAK	Asacha	
ASAL	Salagasta	
ASAM	Ecuador-Same-Casa blanca conjunto D'capri	
ASAN	Yemen, SAN	
ASAO	Ashtian	
ASAR	Alice Springs Array Beam Reference Point	
ASAT	Asagicarikuru	
ASAY	DHOFAR2 - YR, SAY	
ASB	Amchitka	
ASBA	Santa Barbara	
ASBU	Astronaut Butte, Newberry	
ASC	Amchitka	
ASCB	Sierra Cabrera	
ASCL	Ascoli Piceno (IT)	
ASCN	Ascension	
ASD	Amchitka	
ASDO	Santo Domingo	
ASE	Aserradero	
ASEAF	Site Antares, Toulon	
ASEE	Ethiopia-Afar Geoscientific Lithospheric Experiment	
ASF	Jabal al Asfar	
ASG	Minamiashigara	
ASGA	Asgata	
ASGO	Asiago	
ASH	Ashkhabad	
ASH19	Ascension Island Hydrophone Array Site 19	
ASH21	Ascension Island Hydrophone Array Site 21	
ASH23	Ascension Island Hydrophone Array Site 23	
ASH24	Ascension Island Hydrophone Array Site 24	
ASH25	Ascension Island Hydrophone Array Site 25	
ASH26	Ascension Island Hydrophone Array Site 26	
ASH27	Ascension Island Hydrophone Array Site 27	
ASH29	Ascension Island Hydrophone Array Site 29	
ASHAI	AfricaArray - AF, SHAI	
ASHG	Umm Shaghir	
ASHIO	DHOFAR2 - YR, SHIO	
ASHJ	Ashqof	
ASHL	ASHL	
ASHO	Ashiyiah	
ASHS	Asacha	
ASHT	Ashkhabad	
ASHY	Ashley	
ASI	Mount Amassa	
ASIG	Aasiaat, Greenland	
ASILE	Silsa - SILE	
ASIR1	ASIR1	
ASIR2	ASIR2	
ASIR3	ASIR3	
ASIR4	ASIR4	
ASIR5	ASIR5	
ASJ	Aso san	
ASK	Askoy	
ASKD	Sinn el Kaddab	
ASKU	Askersund	
ASL	Abu Simbel	
ASLC	ador-Salcedo-Hospital al Yerovi Mackuart	
ASLZ	PUERTO SAN LORENZO	
ASM	Asama Yama	
ASM1	Bucuresti	
ASME	Asmera	
ASMM	Slate Mountain	
ASMO	Sierra Morrones	
ASNY	Au Sable	
ASO	Aso	
ASOL	Asolo	
ASOR	Ausora	
ASOS	Asosa University, Asosa	
ASP	Alice Springs	

Code	*Station Name*	*Other*
ASPA	Alice Springs	
AS-PA	Altoona	
ASPF	Aspremont	
ASPSP	Arquipelago de Sao Pedro e Sao Paulo - PE, Brazil	
ASPU	Aespoe	
ASQU	Asqua	
ASR	Mount Adams--Stagman Ridge	
ASR1	Anjero-Sudjensk, Russia	
ASRI	Aserri	
ASRM	Slough House Road	
ASS	Assisi	
ASSB	Assisi San Benedetto	
ASSBE	Assab	
ASSE	Asse, Remlingen/Germany	
ASSG	Aftenstjerne Lake, Greenland	
AST	Butare	BTR
AST1	Astakos	
ASTA	Astypalaia	
ASTB	Santa Barbara	
ASTI	Asti	
ASTN	Avondale Springs	
ASTR	Astara	
ASU	Arizona State University	
ASUD	Al Ashush, Dubai	
ASUT		
ASUZ	Hatay-Arsuz	
ASW	Aswan	
ASYE	Asayita	
ASYS		
ASZ	Ashizuri	
AT-	Austin	AT-NV
AT01	Promano (Citt di Castello) - PG	
AT02	Lugnano (Citt di Castello) - PG	
AT03	Montalto (Apecchio) - PU	
AT03E	Loutropirgos, AT03	
AT04	Castiglione Aldobrando (Gubbio) - PG	
AT04E	Ano Thoriko, AT04	
AT05	Racchiusole (Umbertide) PG	
AT06	Poggio Sant'Ercolano (Gualdo Tadino) PG	
AT07	Catigliano (Citt di Castello) - PG	
AT08	Fraticciola Selvatica (Perugia) - PG	
AT09	Santa Cristina (Gubbio) - PG	
AT1	West Kanaga	AK1
AT10	Torre dell'Olmo (Gubbio) - PG	
AT11	Monte Civitello	
AT2	South Tanaga	AK2
AT3	North Tanaga	AK3
ATA	Atar	
ATA5	Erzurum, Merkez	
ATAB	Bozova	
ATAF	Djebel Tarf	
ATAH	Atahualpa	
ATAL	Atalanti	
ATANC	Embalse El Atance (Siguenza - Guadalajara)	
ATAQ	`Ataq	
ATB	Altamira	
ATBU	Serra di Burano	
ATC	Attachie	
ATCA	Cantone	
ATCC	AVT- Casa Castalda	
ATD	Arta Tunnel	
ATDB	Astolofo Dutra	
ATE	Arette	
ATEBE	AfricaArray - AF, TEBE	
ATEI	TEI Chania	
ATEJ	Tejeda	
ATEN	Tena	
ATES	Arlington Trafton Elementary School	
ATFO	Monte Foce - Gubbio	
ATG	Ambohiby	
ATGJ	Altiaghaj	
ATH	Athens Observatory	
ATH5	Athens Parliament	
ATHA	Athabasca	
ATHAL	Athalassa	
ATHP	Athens-Neo Psichiko	
ATHU	Athens University	
ATI	Atico	
ATIP	Tipaza	
ATKA	Atka Island	
ATKB	Taksebt	
ATKJ	Tikjda	
ATKO	Atikokan Iron Mine	
ATKR	Artyk	
ATL	Atlanta	
ATLB	Atluck Lake	
ATLC	uador-Tulcan-Hospital l Luis G. Davila	
ATLO	AVT- Montelovesco	
ATM	Atsumi	
ATM1	UHE Belo Monte	
ATMC	Monte Cedrone	
ATMI	Monte Miggiano Umbertide	
ATN	Antennamare	
AT-NV	Austin	
ATO	Altona	
ATON	ador-Tonsupa-conjunto to Habitacional Cabaplan	
ATOT	Gabel Atot	
ATPA	Allentown	
ATPC	Poggio Castellaccio	
ATPI	Pietralunga - Aviosuperficie	
ATPZ	Tipaza	
ATR	Alsterbro	
ATR1	Atar 1	
ATRB	Yemen, TRB	
ATRE	Renzetti	
ATSC	Scheggia e Pascelupo	
ATT	Attica	
ATTE	AVT- Monte Tezio	
ATTU	Attu Island--Fox	FX1
ATTUG	Attu	
ATU	Athens Obs.	ATH
ATUL	Tulcn	
ATVA	AVT- Monte Valcinella	
ATVM	ATLACOMULCO	
ATVO	AVT- Monte Valentino	
ATWT	Mason Hall	
ATX	Austin	
ATYC	Atoyac	
ATZ	Mount Atzmon	
AU2	Augustine Island	
AU22	Augustine Mound	
AUA1	Aruba	
AUALB	St Joseph's College, Albany	
AUALC	St Philip's College	
AUAYR	Ayr State High School	
AUBOZ	BOZOYUK	
AUBRM	Broome Senior High School	
AUBRN	Burnie High School	
AUBSH	Beerwah State High School	
AUBUS	Georgiana Molloy Anglican School, Busselton	
AUC	Auckland	
AUCA	Auca	
AUCAR	St Mary Star of the Sea, Carnarvon	
AUCAS	Cummins Area School	
AUCH	Augustine Cone H	
AUCSH	Cairns State High School	
AUD	Augustine Domo	
AUDAR	Daramalan College	
AUDCS	Dubbo College Senior Campus	
AUDHS	Darwin High School	
AUE	Augustine Island	
AUF	Augustine Flow	
AUGR	Augrabies	
AUH	Augustine H	
AUHAR	St Anne's School, Harvey	
AUHPC	Hawkesdale P12 School	
AUI	Augustine Island	
AUJA	Augustine Junction	
AUJCS	Jamestown Central School	
AUJK	Augustine Juegen Kienle	
AUK	Auki	
AUKAL	John Paul College, Kalgoorlie	
AUKAR	St Luke's College, Karratha	
AUKAT	Katherine High School	
AUKHS	Kincumber High School	
AUKIR	Kırka- Seyitgazi ESKISEHIR	
AUKSC	Keysborough Secondary College	
AUKUL	Kulin High School, Kulin	
AUKUT	KUTAHYA	
AUL	Augustine Lava	
AULHS	Lilydale High School, Lilydale	
AULRC	Lightning Ridge Central School	
AUM	Augustine Mound	
AUMAG	Moama Anglican Grammar School	
AUMAR	Marden Senior College	
AUMAZ	Mazenod Senior College, Perth	
AUMBR	Murray Bridge High School	
AUMHS	Melrose High School	
AUMIH	MIHALICIK	
AUMOU	Moura State High School	
AUMTC	Mt Clear College-Earth Ed	
AUMTS	Mt Stromlo	
AUMUL	Mullumbimby High School	
AUNHS	Nhulunbuy High School	
AUNRC	North Rockhampton State High School	
AUNW	Augustine NWest	
AUP	Augustine Pinnacle	
AUPHS	Peel High School	
AUQ	Augustine Qik'rtamen	
AUQP	San Andres	
AUR	Aurakhmat	
AURF	Auriere	
AURMK	Renmark High School	
AUROX	Roxby Downs High School	
AURSC	Rosebud Secondary College	
AUS	Austin	
AUSC	Austin Creek State Park	
AUSE	Augustine SEast	
AUSIS	Research School of Earth Sciences	
AUSIV	SIVRIHISAR	
AUSMG	Snowy Mountains Grammar School, Jindabyne	
AUSN	Aus	
AUSP	Uspallata	
AUSSC	Sale College, Sale	
AUT	El `Aiyat	
AUTAR	Taroona High School, Taroona	
AUTKS	The King's School, Parramatta	
AUTN	L'Aution	
AUTOO	Toowoomba State High School	
AUUHS	Ulladulla High School, Ulladulla	
AUW	Augustine West	
AUWSH	Wavell State High School	
AV03	Acelerografo, Sucumbios - Lumbaqui	
AV05	Acelerografo, Napo - El Salado	
AV11	Acelerografo, Pichincha - Guayllabamba	
AV18	Acelerografo, Esmeraldas - Quininde	
AV21	Acelerografo, Esmeraldas - Viche	
AVAS	Avala Beograd	
AVC	Adobe Valley	
AVCI	Avcilar-stanbul	
AVDN	Avdancik/Bursa	
AVE	Averroes	
AVEN	Fontenotte	
AVF	Avril sur Loire	
AVFE	Valle Fertil	
AVFP	Avril sur Loire	
AVG3	Avigliano	
AVH	Avacha	
AVIN	Avinyo	
AVIZ	Vizcacheras	
AVL	Avellino	
AVN	Avellanes	
AVNC	Asheville	
AVNL	Avenal, CA USA	
AVNS	Nevsehir-Avanos	
AVNT	Avonos	
AVO	Avon	
AVOE	Asama Observatory	
AVOW	Apres Vouz Peak	
AVR	AVREN	
AVRM	Valley Road Site	
AVX7	Acelerografo, Napo - Santa Rosa de Quijos	
AVY	Angavokely	
AWA	Amchitka	
AWAE	Ethiopia-Afar Geoscientific Lithospheric Experiment	
AWAL	West Alisa	
AWANZ	Awakeri	
AWAZ	Awhitu Peninsula	
AWBH		
AWDQ	Awoonga Dam 3	
AWEE	Awra	
AWH	Whinburgh	
AWI	Antigua	
AWI1	Witton	
AWKA	Awka	
AWKL	West Kalabsha	
AWND	Ethiopia, WND	
AWOON	Awoonga Dam	
AWRE	AWRE	
AWSE	Awash	
AWST	Adams West	
AX-	Alexander City	AX-AL
AX2	Alexander City	AX2AL
AX2AL	Alexander City	
AX-AL	Alexander City	
AXAR	Agios Charalampos	
AXCOZ	Aramac airstrip	
AXDP	Jialang	
AXS	Araxos	
AXZ	Alexandra	
AY-	Academy	AY-SD
AY01	Puyuhuapi	
AY02	Valle Exploradores	
AY03	Cochrane	
AY1S	Kobdi	
AY2S	Ozernaya	
AY3S	Tungusskii	
AYA	Ayagualo	
AYAC	Ayacucho	
AYAN	Aya Nagar	
AYAZ	Ayas K¶y, Merkez, ORUM	
AYCA	Ayacara	
AYCH	Puerto Aysen	
AYDB	Zeytinkoy-Aydin	
AYDN	Tasoluk	
AYDO	DHOFAR2 - YR	
AYE	Ayenquera	
AYK	Aydincik	
AYK2	Artyk	
AYKD	Aykdinkavak	
AYN	Al`Uyaynah	
AYNO	DHOFAR2 - YR	
AYNT	El Ayoun	
AYRK	Ayrk	
AYS	Ayseler	
AY-SD	Academy	
AYSN	Puerto Aysn	
AYT	Al `Ayyat	
AYUS	`Aynunah	
AYVA	Ayvalik	
AYVM	Ayaqueme	
AZ-	Amarillo	AZ-TX
AZ1C	Azucar	
AZAC	Aniakchak	
AZAM	Ecuador-Zamora	
AZAP	Zapla	
AZCA	Azaras, Argentina	
AZEY	Adyaman-Merkez-ndere	
AZI	Avezzano	
AZJ	Azai	
AZL	Aizawl	
AZMN	Azmana	
AZO	Oaxaca	
AZOG	Ecuador-Azoguez-PUCE	
AZPT	GAD MUNICIPAL DE ZAPOTILLO	
AZ-TX	Amarillo	
AZU	Azuero	
AZU1	Azuela	
AZU2	Pedasi@15	
AZUC	Azuc	
AZVM	Cuida Lopez Mateos	
B001	Rancolfo	
B009	North Saanich	
B01	B01	
B010	North Saanich	
B011	North Saanich	
B012	Ucluelet	
B013	Quilcene	
B017	Montesano	
B019	Raymond	
B02	B02	
B022	Seaside	
B023	Clatskanie	
B0297	Cambeca, A0297	
B03	B03	
B04	B04	
B040	Montague	
B04A	Port Angeles	
B05	B05	
B05A	Bryant	
B06	B06	
B06A	Marblemount	
B07	B07	
B07A	Winthrop	
B08	B08	
B08A	Colville Reservation, Omak	
B09	B09	
B09A	Rice	
B0DF	Kalawad	
B10	B10	
B10A	Chitwood Farm, Usk	
B11	B11	
B11A	Sandpoint	
B11MX	Plaza Santa Maria, B11	
B12	B12	
B12A	Libby	
B13	B13	
B13A	Whitefish	
B14	B14	
B14A	Marquette Ranch, East Glacier	
B15	B15	
B15A	Bradely Ranch, Valier	
B16	B16	
B16A	M & M Farms, Shelby	
B17	B17	
B17A	L&G Farms, Chester	
B18	B18	
B18A	Beardsley Farm, Havre	
B18K	Kokolik River	
B19	B19	
B19A	Brinkman Farms, Chinook	
B1NU	Baffin Island 1	
B20	B20	
B201	Coldwater, Mount Saint Helens	
B202	Windy Ridge, Mt. St. Helens	
B203	Quarry, Mount Saint Helens	
B20A	Solberg Farm, Malta	
B20K	Meade River	
B21	B21	
B21A	Ellsworth Farm, Hinsdale	
B21K	Ikpikpuk River	
B22	B22	
B22A	Reddig Ranch South, Frazer	
B22K	Teshekpuk Lake	
B23	B23	
B23A	Brockton	
B24	B24	
B25A	Knox Farm, Ray	
B26	B26	
B26A	Jensen Ranch, Palermo	
B27	B27	
B27A	Peters Farms, Glenburn	
B28A	Dugan Ranch, Towner	
B29	B29	
B29A	Wagenman Farm, Cando	
B2NU	Baffin Island 2	
B30	B30	
B30A	Myrvik Farm, Edmore	
B31A	Greenbush Farm, Park River	
B32	B32	
B32A	Ashes, Strandquist	
B33	B33	
B33A	Robert and Kassanda Mosher, Grygla	
B34	B34	
B34A	Aery, Baudette	
B35	B35	
B35A	Bob, Littlefork	
B36	B36	
B37	B37	
B38	B38	
B39	B39	
B40	B40	
B41	B41	
B42	B42	
B43	B43	
B44	B44	
B46	B46	
B49	B49	
B50	B50	
B51	B51	
B52	B52	
B53	B53	
B54	B54	
B55	B55	
B56	B56	
B57	B57	
B58	B58	
B59	B59	
B5GA	5 Glenshane	
B60	B60	
B61	B61	
B62	B62	
B63	B63	
B64	B64	
B65	B65	
B66	B66	
B67	B67	
B70	B70	
B71	B71	
B72	B72	
B73	B73	
B74	B74	
B75	B75	
B82	B82	
B926	Mesachie Lake	
B927	Port Alberni	
B928	Bamfield	
B941	Kapowsin	
BA-	Baldwin	BA-WS
BA01	Aachen	
BA02	Stolberg	
BA03	Weissweiler	
BA04	Fiesheim UWZ	
BA05	Sindorf	
BA06	Horem	
BA07	Koln University	
BA08	Dellbruck	
BA09	Bensberg	
BA10	Klein Altendorf	
BA11	Duren	
BA12	Beaesweiler	
BA13	Heinsberg	
BA14	Wollersheim	
BA15	Heimerzheim	
BA16	Vanikum	
BA17	Glehn	
BA18	Steinbach	
BA19	Koln Dom Grabung	

Code	*Station Name*	*Other*
BA1R	Ufa	
BA26	Kln Uni	
BAA	Buenos Aires	
BAB	Beni-Abbes	
BABA	Baden-Baden-Neuweier	
BABE	Bainbridge School	
BABI	Panoche/Babies Gulch CA	
BABR	Babbit Peak	
BAC	Bacau	
BAC4	Bacau	
BACC	Bachelor Mtn.	
BACF	Baccarat	
BACH	Barnechea	
BACM	Baccana	
BACQ	Baie-Comeau	
BACT	New Taipei City	
BACU	Backbrunna	
BAD	Bernadia	
BADA	Al Bad`	
BADI	Badiali	
BADN	Badegauja	
BADR	Badr	
BADS	Badasada Odisha,India	
BADT	Buyukada	
BAE	Brasilia	
BAE1	Brasilia Array Site E1	
BAE2	Brasilia Array Site E2	
BAE3	Brasilia Array Site E3	
BAE4	Brasilia Array Site E4	
BAE5	Brasilia Array Site E5	
BAEE	Brasilia Array Site EE	
BAF	Belacker	
BAF*	Baguio	
BAG	Baguio City	
BAG2	BAG2	
BAG8	Bagolino	
BAGA	Bagaces	
BAGA3	Bagala, Chiriqui	
BAGH	Bagheran - Birjand	
BAGL	Bagley Icefield	
BAGO	Egridir - ISPARTA	
BAH	Barrette	
BAHB	Baha de los Angeles	
BAHI	Ethiopian Broadband Seismic Experiment	
BAHL	Ahlen	
BAHR	High School, Bahir Dar	
BAHS	BAHS	
BAHS2	Abu Rakh	
BAI	Bari	
BAI*	Bari	
BAI2	Baranello	
BAIB	Barry Inlet	
BAIF	Baives	
BAIL	Bailesti	
BAIN	Barcelona - Plaa de Tetuan	
BAIR	Buenos Aires, Puntarenas	
BAJU	Barcelona - Ciutat Vella	
BAK	Baki	
BAKC	Calstate	
BAKI	Biak	
BAKO	Makambako	
BAKU	Bakultala	
BAL	Ballidu	
BAL01	BUONALBERGO	
BAL3	Balbina	
BAL3X	Bal3x, Balta	
BALA	Baldy Mountain	
BALAH	Balakhonka, Kuzbass, Russia	
BALAK	Balakhany	
BALAT	Bala	
BALB	Balikesir	
BALC	Balcom Canyon	
BALD	Monte Baldo	
BALG	Balingen, Zollernalbkreis	
BALH	Baltimore	
BALI	Monte Baldo	
BALJ	Balqa	
BALM	Baldy	
BALP	Baler	
BALST	Balsthal	
BALT	Daday	
BALY	Balya	
BALZ	Balzar	
BAM	Barrage Abdel Moumen	
BAMF	Morne Balai	
BAN	Banff	
BAN1	Bani Escuela	
BAND	Balkesir-Bandrma	
BANE	Gulf of Nicoya	
BANG	Mbangamawe	
BANG1	Bangula	
BANI	BANI	
BANL	Banca Lucia	
BANM	Bannockburn	
BANO	Bancroft	
BANOM	Banah	
BANR	Banloc	
BAO	Brasilia Array Centre Point	
BAP	Bailey Peak	
BAP*	Basco	
BAPM	Anderson Peak	
BAPR	Bucharest-Childs Park	
BAR	Barrett	
BAR1		
BARA	Bahrah	
BARB	Barbacena	
BARBL	Kfar Habou, BARB	
BARC	Barichara	
BARD	Bardarbunga	
BARE	Barantu	
BARI	Barisis-aux-bois	
BARK	Barkley Ridge	
BARL	BARLOMIN CHICO	
BARN	Barnard Glacier	
BARO	Barbarano Romano	
BARS	Barje	
BART	Pico Bartolomeu	
BARV	Barcelona	
BAS	Basle	
BAS04	BASELICE	
BAS1	Brasilia Array Site S1	
BAS2	Brasilia Array Site S2	
BAS3	Brasilia Array Site S3	
BAS4	Brasilia Array Site S4	
BAS5	Brasilia Array Site S5	
BASC	Basecamp	
BASD	Buyukada	
BASE	Brasilia Array Site SE	
BASH	Bashay	
BASHA	Basha	
BASI	Baing, Sumba	
BASK	Baskale_VAN	
BASM	Basmaki-Afyon	
BASO	Ashfield	
BASOT		
BASP	Panama	
BAT	Bayram-Ali	
BAT2	UHE Batalha	
BAT3	Ipameri	
BAT5	Ipameri	
BATAN	Batan	
BATC	Bat Cave Butte	
BATG	Bathurst New Brunswick	
BATH	Bath	
BATI	Baumata	
BATM	Batumi	
BATO	Ticaya	
BATP	Bataraza	
BAU	Ballabur	
BAUT	Bautismo	
BAUV	El Baul	
BAV	Blacksburg	
BAVM	Antelope Valley	
BAVN	Auguste-Victoria Mine North	
BAW	Bavra	
BAW1	Brasilia Array Site W1	
BAW2	Brasilia Array Site W2	
BAW3	Brasilia Array Site W3	
BAW4	Brasilia Array Site W4	
BAWE	Brasilia Array Site WE	
BA-WS	Baldwin	
BAX	Bahia de los Angeles	
BAY	Bayanday	
BAYA	Yate Dam	
BAYB	BAYBURT	
BAYC	CANAKKALE_Bayramic	
BAYK	Bayan-Aul	
BAYN	Bayana	
BAYS	Baysun	
BAYT	Aydıntepe-Bayburt	
BB-	Bloomsburg	BB-PA
BB01	Montecillos	
BB02	La Guardia	
BB03	San Joaqun	
BB04	Tambo Quemado	
BB05	Carapari	
BB06	Yocalla	
BB07	Casarave	
BB08	Puerto Suarez	
BB16B	Bebedouro	
BB19	Bebedouro	
BB19B	Bebedouro	
BB22B	Bebedouro 22, SP (Brazil)	
BB32		
BBA	Boulbra	
BBAC	Balboa, Cauca	
BBAL	Bala	
BBAT	Babati	
BBB	Bella Bella	
BBB4	Pezza	
BBC	Big Bear	
BBD	Blackbird State Forest	
BBEB	Bay Bridge East	
BBG	Brasstown Bald	
BBGB	Big Mountain Broadband	
BBGH	Gun Hill	
BBGM	Big Mountain	
BBH	Bruntsheil	
BBI	Big Bend	
BBIL	Ulba Tungurahua	
BBIR	Bucharest-INCERC-borehole	
BBJ	Bamboo Saint Ann	
BBJI	Bungbulang	
BBKI	Banjar Baru	
BBL	Barber's Block	
BBLB	La Banda, Bolivia	
BBLS	Lazići	
BBM	Big Bend	
BBN	Black Butte	
BBNM	San Benito	SBT
BBO	Besboro Island	
BBO1	Bothel	
BBOB	La Paz, Banderani	
BBOD	La Paz, Gloria	
BBOE	La Paz, Chanca	
BBOJ	La Paz, Jacaque	
BBOO	Buckleboo	
BBOR	Butler Butte	
BBOU	Bougnies	
BBP	Basco	
BB-PA	Bloomsburg	
BBPS	Puerto Suarez	
BBR	Beebe Ranch	
BBRB	Robore, Bolivia	
BBRC	Big Bear Solar Observatory, Big Bear Lake	
BBRN	Bozburun-Marmaris	
BBRT	Rincon del Tigre	
BBS	Basel-Blauen	
BBSC	Beaumont Base	
BBSD	Serra de San Diablo, Bolivia	
BBSI	Bau Bau	
BBSP	Saint Philip	
BBSR	BB Station	
BBT	Barrage Ibn Batouta	
BBTK	Belbasi	
BBTN	Blue Bank Bayou	
BBTS	Babate	
BBU	Al Budayyi	
BBUT	Bumble Bee	
BBW	Black Birch	
BBWF	Bergwerk Finstertal	
BC01	Beaver Creek Array Site 1	
BC02	Beaver Creek Array Site 2	
BC03		BCA3
BC04	Beaver Creek Array Site 4	
BC05	Beaver Creek Array Site 5	
BC2	Big Chuckwalla Mountains 2	
BC2V	Than Uyen	
BC3	Big Chuckawalla Mtns, Desert Center	
BC3*		BCA3
BC3P	Paso Ancho	
BCA	Borcka	
BCA3	Beaver Creek Array Site 3	BCAR
BCAM	Yenicaga	
BCAO	Bangui	
BCAR	Beaver Creek Array Beam Reference Point	
BCB	Big Creek Baldy	
BCBC	Bella Coola	
BCC	Colson Canyon	
BCC1	Chapelcross	
BCCC	Bear Creek Country Club, Murrieta	
BCCH	Brava--Cachaco	
BCCR	Big Chico Creek Reserve, CA USA	
BCD	Casitas Dam	
BCE	Book Cliffs East	
BCES	Court-Saint-Etienne	
BCG	Bois Riant Capesterre	
BCGM	Cienega Road	
BCH	Branch Mountain	
BCHC	Barbados, Cave Hill Campus	
BCHG	Becho	
BCHM	Black Canyon North	
BCI	Bajram Curri	
BCIG	La Boquilla	
BCIP	Isla Barro Colorado	
BCK	Bucak	
BCKR	Birch Creek	
BCL	Casitas Lake	
BCLA	Clavier	
BCLI	Bacoli	
BCLQ	Boischatel	
BCM	Basin Creek	
BCN	Boulder City	
BCO	Cerro Blanco	RTCB
BCO2	Palmira	
BCOH	Blue Creek Ohio	
BCOK	Bluff Creek, North Oklahoma City	
BCP	Baguio City	
BCPH	Baguio City Dairy Farm	
BCPM	Bancas Point	
BCR	Bucaramanga	
BCRT	Bacon Ridge	
BCS	Baptist College of Charleston	
BCS*	Brasilia Array	
BCSO	Bloom-Carroll	
BCSR	Castelsaraceno	
BCT	Brookfield	
BCU	Bear Canyon	
BCUT	Brigham City	
BCVB	Bac Can	
BCW	Bitter Crk WRge	
BCWM	Chews Ridge	
BCX	Boston College	
BCYI	Bear Canyon	
BCZ	Braida Crags	
BD-	Bedford	BD-PA
BD01	Bergheim Laurentius Kirche	
BD02	Tagebau Bergheim	
BD03	Millendorf	
BD04	Gut Margarthenhoehe	
BD05	Hambach	
BD07	Roetschberg	
BD08	Hambach Funkstation	
BD09	Hochneukirch	
BD10	Pesch	
BD11	Borschemich	
BD12	Bourheim	
BD13	Immerath	
BD14	Kuckum	
BD15	Terra Nova	
BDA	Boulder Dam	
BDAR	Ethiopian Broadband Seismic Experiment	
BDAS	Al Bad`	
BDB	Bagneres-Bigorre	
BDBC	Bennett Dam	
BDC	Boulder	
BDF	Brasilia (W)	
BDFB	Brasilia	
BDG	Badger Mountain	
BDGH	Bhadarwah	
BDH	Highclere	
BDHA	Al Bayda'	
BDI	Bagni Di Lucca	
BDID	Brownlee Dam	
BDJL	Bahadjhola, Orissa	
BDL	Dobcross Hall	
BDM	Black Diamond Mines Park, Antioch	
BDMQ	Boondooma Dam	
BDMTA	Bald Mountain Lookout Tower, Alberta	
BDN	Bodon	
BDNM	Bernardo	
BDO	Budoia	
BDP	Broad Pass	
BD-PA	Bedford	
BDQN	Bodoquena, MS	
BDR	Baidarnaya	
BDRD	Badogoroda	
BDRM	Kayabasi	
BDRN	Badran	
BDRS	Dareh Seyedi	
BDRWA	Bhadarwah	
BDS	Barbados	
BDSL	Dessel	
BDSO	Brigada del Sol, Mexicali	
BDT	Bhumibol Dam	
BDU	Big Dutch Hollow	
BDV	Budva	
BDW	Boulder	
BE-	Belleview	BE-FL
BE1	Monatshausen	
BE13	Bebedouro13	
BEA	Beatty	BTY
BEA1	Bear Island, Norway, Site 1 of Bear Island Array	
BEA2	Bear Island, Norway, Site 2 of Bear Island Array	
BEA3	Bear Island, Norway, Site 3 of Bear Island Array	
BEA4	Bear Island, Norway, Site 4 of Bear Island Array	
BEA5	Bear Island, Norway, Site 5 of Bear Island Array	
BEA6	Bear Island, Norway, Site 6 of Bear Island Array	
BEAC	Beacon	
BEAD	Nord Galaele Koma	
BEAR	Bear Island, Norway, Bear Island Array Beam Reference Point	
BEAU	Beaufort	
BEAV	Portland	
BEAW	Beaver Mountain	
BEB	Belem	
BEB22	Bebedouro	
BEBN	Eben Emael	
BEC	Bermuda--Columbia	
BECE	Buyukeceli-Mersin	
BECQ	Becancour	
BECU	Ecuador Network	
BED	Bald Eagle	
BEDC	Bedrichov	
BEDE	Ethiopia-Afar Geoscientific Lithospheric Experiment	
BEE	Al Areen	
BEEN	Beenleigh	
BE-FL	Belleview	
BEG	Bergheim	
BEGF	Beganne - 56011 - Morbihan - Bretagne - France	
BEH	Bench	
BEHE	Becsehely	
BEHM	Elkhorn Ranch	EKH
BEI	Bear River Range	
BEIL	Beino	
BEK	Belvue	
BEKR	Beckworth	
BEL	Belsk	
BEL3	Bella	
BELA	Belgrano 2	
BELAX	Ethiopian Broadband Seismic Experiment	
BELC	Belle Mtn. Joshua Tree, Twentynine Palms	
BELE	Belen	
BELF	Belforte del Chienti	
BELG	Belogornoye	
BELI	Belica	
BELL	Bellavista	
BELO	BELONIA	
BELQ	Belleterre	
BELV	Belvedere	
BELVR	Belvoir	
BEM	Bemidji	
BEMM	Emmet	EMT
BEMT	Mount Belmont	
BEN	Bermuda-Navy	
BENA	BENADO ABAJO	
BENC	Bencubbin	
BEND	Bend	
BENE	Beatrice	
BENI	Universita' Del Sannio	
BENN	Benn Knob	
BENR	Benton	
BENV	Beln	
BENWA	Benson Ranch	
BEO	Beograd	
BEP	Beppu	
BER	Bergen	
BERA	Berati	
BERA1	Berat	
BERE	Bereket-Mersin	
BERF	Bertagne	
BERG	Berg Lake	
BERGE	Lenzkirch (DE)	
BERI	Bernadia	BAD
BERL	Berlin (NY)	
BERN	Bernov	
BERNI	Berninapass	
BERR	Berezeni	
BERS	Berezovaya	
BERT	Berda	
BERU	Beregovo	
BES	Besancon	
BESB	Sao Joao Dos Patos	
BESE	Bessie Mountain	
BESHS	BESHS	
BESN	Besneville	
BESP	Borongan	
BEST	Besiri	
BET	Bethel	
BETC	Betania	
BETH	Bethel	
BETM	Bethany	
BETMI	BETM	
BETT	Bettona	
BETV	Betijoque	
BEU	Beuren	
BEUR	Beuren	
BEV	Beverley	
BEVE	Beverly	
BEVG	Clark Hill Reservoir	
BEVT	Boeing Everett	
BEW	Beaufort West	
BEY	Berane	IVA
BEYL	Beirut	
BEYR	Belyy Ugol+	
BEYT	Beykoz	
BF-	Bakersfield	BF-CL
BFC	Buffalo Canyon	
BF-CL	Bakersfield	
BFD	Bellfield	
BFF	Buffalo-Larkin	
BFM	Bigfork	
BFMT	Birchfield Mountain	
BFO	Black Forest	
BFOD	Brorfelde Observatory, Denmark	
BFON	Badsfontein, Murraysburg, Western Cape	
BFRD	Fardella	
BFS	Buffelsfontein	
BFSB	Bamfield	
BFSC	Mount Baldy Ranger Station	
BFSD	Buffelsfontein	
BFT	Belfast (SA)	
BFW	Baw Faw Mountain	
BFZ	Birch Farm	

Code	*Station Name*	*Other*
BG-	Bangor	BG-ME
BG3	Lake Jocassee	
BGA	Mount Bagana	
BGB	Big Butte	
BGC	Bolinger Road	
BGCA	Bogoin	
BGD	Bogdanovka	
BGDB	Bigeumdo	
BGES	Gesves	
BGF	Bois d'Agland	
BGG	Burgeitz	
BGH	Bear Gulch	
BGI	Bengkulu	
BGII	BGI	
BGIO	Bar Giyyora	
BGK	Belogorka	
BGK2	Belogorka 2	
BGKT	Bogazkoy	
BGKY	Bowling Green	
BGL	Barrier Glacier	
BGLC	Bering Glacier BLM Camp	
BGLD	Berchtesgaden	
BGLV	Boslevi	
BGM	Big Mountain	
BG-ME	Bangor	
BGMO	Bergamo	
BGMR	Bucharest-Geological Museum	
BGMT	Barton Gulch	
BGN	Big Creek	
BGNE	Belgrade	
BGO	Bowling Green	
BGOH	Bowling Green Firelands Ohio	
BGOL	Bingol	
BGP	Bagra	
BGR	Bangor (NY)	
BGRM	Barrier Glacier Two	
BGRQ	Glenroy	
BGSB	Baguashan	
BGSO	Bowling Green State University	
BGT	Bolshoye Goloustnoye	
BGU	Big Grassy Mountain	
BGUS	Bergheim	
BGV	Bac-Giang	
BGY	Belgrade	
BGZ	Barguzin	
BH-	Burwash Landing	BH-YK
BHA	Broken Hill	
BHAC	Bhachau	
BHAR	Bharisain	
BHAT	Bhatsa	
BHB	Bricherasio	
BHBD	Braunhartsberg	
BHC	Bohunice	
BHD	Baghdad	
BHDI	Bhandari	
BHE	Schloss Buerresheim	
BHG	Bad Reichenhall	
BHGR	Bahadurgarh	
BHH	Howats Hill	
BHHZ	Black Hill Station	
BHI	Bertha Hill	
BHJ	Bhuj	
BHK	Bhakra	
BHKY	Bowman Hall	
BHL	Bhannes	
BHM	Barham	
BHMN	Bhimchula	
BHMT	Big Hole Peak	
BHO	Bethel	
BHOF	Ruhr-University Bochum -- Hof Stiepel	
BHOK	Bomura	
BHOU	Houvegnez	
BHP	Balboa Heights	
BHPC	Baldwin Hills Oil	
BHPL	Bhopal	
BHPR	Bishop	
BHRA	Bahrah	
BHRD	Bharudia	
BHRM	Hodges Ranch	
BHS	Barnard House	
BHSM	Hastings State Park	
BHSMM	Behrang	
BHSO	Botkins High School	
BHT	Blowhole	
BHU	Blowhard Mountain	
BHUJ	Bhuj	BHJ
BHUN	Bhuj North	
BHUT	Beaver	
BHV	Bhavnagar	
BHW	Baring Head	
BHXE	Hunxe	
BH-YK	Burwash Landing	
BI-	Big Stone Gap	BI-VA
BI02	San Fabin de Alico	
BI03	Tigo	
BI04	Isla Mocha	
BI05	Punta Hualpn	
BI1	Barter Island	
BI2	Barter Island	
BI3	Barter Island	
BI4	Barter Island	
BIA	Bitola	
BIAC		DIAC
BIAL	Bialla	
BIB	Bowen Island	
BIBA	Brigerbad	
BIBE	Biberach	
BIBL	Biblin	
BIBN	Bibbiana	
BID	Bidston	
BIDA	Albida	
BIDO	Bidbid	
BIDS	Bi'r al Bayda'	
BIE	Brione	
BIEL	Biella	
BIG	Big Mountain	
BIGA	Biga-Canakkale	
BIGH	Upper Bighouse, Forsinard	
BIHA	Biharamulo	
BIJ	Bijagual	
BIL2	Estacion Bilbao	
BILB	Tungurahua volcano	
BILE	Bilecik/Merkez-Dede RL	
BILI	Bilibino, Chukotka	
BILL	Bilibino	
BIM	Bigot	
BIMF	Belle-Ile-en-Mer - Bangor - Morbihan - Bretagne - France	
BIMJ	BASE NAVAL BIMJAR	
BIN	Binsa	
BING	Binghamton	
BINT	Bingol	
BINY	Binghamton	
BIO	Biorka	
BIOA	Bad Ischl, Austria	
BIOG	Biogem	
BIP	Bislig	
BIPH	Bislig	
BIPR1	Baixo Iguassu	
BIPS	Buchanan	
BIR	Birlad	
BIRA	Biratnagar	
BIRD	Birdtown, Kershaw	
BIRH	Ethiopian Broadband Seismic Experiment	
BIRU	Birjand	
BIRV	Birongo	
BIS	Bismark Peak	
BIS1	Las Neceidas	
BISC	BISOCA	
BISH	Bishah	
BISR	Bishrakh	
BISRR	Bisoca	
BISS	Bistriski jarek	
BIT	B. Ibn Batouta	BBT
BITO	Garabito Jaco	
BIU	Bingham Canyon	
BI-VA	Big Stone Gap	
BIW	Bindweide	
BIX	Bixby	
BIZ	Bicaz	
BJA	Jaww	
BJBQ	Baie Johan-Beetz	
BJCM	Johnson Can.	JHC
BJDH	Asilah	
BJDM	Burrinjuck Dam	
BJEM	Burrinjuck	
BJES	Bald Jesse, CA USA	
BJI	Beijing	
BJI2	Beijing	
BJII	Banjamegara	
BJMA	Bojnurd	
BJND	Bojnord	
BJNR	Bojnord	
BJO	Bjornoya	
BJO1	Bjornoya	
BJOM	Mount Johnson	
BJR1	Bachatsky 1, Kuzbass, Russia	
BJR2	Bachatsky-2, Kuzbass, Russia	
BJR3	Bachatsky-3 (Starobachaty), Kuzbass, Russia	
BJR4	Bachatsky-4, Kuzbass, Russia	
BJRD	Bojnu@18rd	
BJT	Baijiatuau	
BJU	Chiapas	
BJUU	Bjuv	
BJVM	Benito Juarez	
BK-	Bald Knob	BK-AR
BKA	Kennedy	
BK-AR	Bald Knob	
BKB	Balikpapan	
BKB2	Balikpapan	
BKBA	Bukoba	
BKC	Brookwood Reservoir	
BKCOR	Black Crater	
BKE	Bekescsaba	
BKES	Balkesir-Merkez	
BKG	Blockade Glacier	
BKHT	Bunker Hill	
BKI	Bering	
BKIRB	Bahia Kino	
BKJ	Big Koniuji Island	
BKL	Bakel	
BKLB	Ruhr-University Bochum--Klosterbusch Mine	
BKLT	Bekalta	
BKM	Butte a Klehm	
BKN	Blacknest	
BKNI	Bangkinang	
BKNR	BIKANER	
BKO	Bokosso	
BKOA	Assam	
BKR	Bakuriani	
BKRC	Baker	
BKRG	Bakuriani	
BKS	Berkeley--Byerly	
BKSI	Bulukumba	
BKT	Bakacak	
BKU	Beaver Lake Mountains	
BKZ	Black Stump Fm	
BL-	Beckley	BL-WV
BL1	Borgo	BSL
BL67	Building 67, Lawrence Berkeley Lab, Berkeley, CA	
BL88	Building 88, Lawrence Berkeley Lab, Berkeley, CA	
BLA	Blacksburg	
BLAC	Blackrock camp	
BLAF	les Blancs	
BLAN	Blanes	
BLANC	P.ta Helbronner (AO), Italy	
BLB	Baldybastay	
BLBC	Blue River	
BLBQ	Baie-St-Paul	
BLC	Baker Lake	
BLCB	Balcova	
BLCC	Black Canyon	
BLCH	La Chartreuse	
BLCS	Bulochka	
BLD	Baljuvan	
BLDC	Black Mountain	
BLDU	Ballidu	
BLE	Bellville	
BLEU	Blekinge	
BLF	Bloemfontein	
BLG	Laguna Peak, Port Hueneme	
BLGA	Beluga	
BLGA0	Beolgok	
BLGI	Bet Lehem HaGelilit	
BLGM	Bulgan	
BLGR	Bilaigarh	
BLH	Bald Hill	
BLHA	Black Hill	
BLHR	Bucharest-Stefan cel Mare Str.	
BLI	Bleialf	
BLIS	Bitlis-Merkez	
BLIT	Baltah	
BLJ	Bijeljina	
BLJI	Banyuglugur	
BLJS	Baljurashi	
BLK	Black Butte	
BLKB	Belogradchik	
BLKC	Black Mountain	
BLKN	Baker Lake	
BLKS	Balkesir-Susurluk-anack	
BLKT	Balakot	
BLL	Bellingham	
BLLA	Bellaria	
BLLA0	Byeollyang	
BLLM	Bellamira	
BLLO	Bulolo	
BLM	Blue Mountain	BMT
BLM*	Bell Mountain	
BLMT	Blacktail Mountain	
BLMY	Blum	
BLN	Blyn Mountain	
BLNT	Belen	
BLO	Bloomington	
BLOK	Blackwell	
BLP	Lompoc	
BLPI	Bilaspur	
BLQ	Beylaqan	
BLR	Black Rapids	
BLRM	Lewis Ranch	
BLRR	Bol'shaya Rechka	
BLS	Blasjo	
BLS1	Blasjo	
BLS2	Blasjo	
BLS3	Blasjo	
BLS5	Blasjo	
BLSD	Baie du Lac Sali	
BLSH	Balsha	
BLSI	Bandar Lampung	
BLSP	Bilaspur	
BLSR	Buluus	
BLSS	Belie Skali	
BLT	Belted Range	
BLTW	Bickleton	
BLU	Blue Ridge	
BLUE	Blue Mountain, Wilseyville, CA USA	
BLV	Bailadores	
BLVD	Bolvadin-AFYON	
BLVR	Akhuzat Shoshana	
BLVT	Baltimore	
BLW	Big Hill	
BL-WV	Beckley	
BLWY	Bulawayo	
BLY	Banja Luka	
BLYC	Blythe	
BLZ	Bolzano	
BLZN	Bolzano	
BM-	Balmorhea	BM-TX
BM01	Burnt Mountain Array Site 1	
BM02	Burnt Mountain Array Site 2	
BM03	Burnt Mountain Array Site 3	BM3
BM04	Burnt Mountain Array Site 4	
BM05	Burnt Mountain Array Site 5	BMAR
BM3	Burnt Mountain Array Site 3	
BMA	Barra Mansa	
BMAMX	Venustiano Carranza, BMA	
BMAR	Burnt Mountain Array Beam Reference Point	
BMAS	Trigal station	
BMAT	Maratea	
BMB	Barrage Mohamed Ben Abdellah	
BMBC	Bull Mountain	
BMCM	McPhails Peak	
BMD	Beni Messoud	
BMDN	Meydan	
BME	Barrage Mansour Eddahbi	
BMG	Bucaramanga	
BMHM	Mount Harlan	
BMI	Bomdila	
BMK	Barrage El Makhazine	
BMK*		BMKM
BMKM	Barrage Mohammed V	
BMKR	Bomnak	
BMKS	Bomnak	
BML	Blue Mountain Lake	
BMM	Big Maria Mountains	
BMMT	Benchmark Campground	
BMN	Battle Mountain	
BMNI	Bima	
BMNM	Bear Mountains	
BMNS	Besmoynak	
BMNY	Brushton-Moira	
BMO	Blue Mountains Array	
BMO1	UHE Belo Monte	
BMO2	UHE Belo Monte	
BMOL	Mol	
BMOR	Cotopaxi Volcano	
BMR	Baia Mare	
BMRD	Maredsous	
BMRM	Bremner River	
BMRO	Meriville Lake	
BMRR	Black Mountain	
BMS	Big Muddy Lake	
BMSB	Bamfield Marine Station	
BMSH	Bir Mashi	
BMSM	Mercy Hot Springs	
BMSMM	Bukit Katil	
BMT	Blue Mountain	
BMT*	Black Mountain	
BMTB	Bullhead Mountain	
BMTC	Bear Mountain	
BMTN	Black Mountain	
BM-TX	Balmorhea	
BMU	Muharraq	
BMUT	Black Mountain	
BMV	Son La	
BMW	Boistfort Mountain	
BMY	Bingley Moor	
BN013	BENEVENTO	
BN1H	Brisbane Hard Rock	
BN2S	Brisbane 2 Soft	
BNA	New Abbey	
BNAB	Bonilla	
BNALP	Bannalp	
BNAQ	Bridge North Anchor Chamber MTQ3	
BNAS	Cotopaxi Volcano	
BNAZ	Uak-Banaz	
BNB	Barry Inlet	
BNC	Bambui	
BND	Bandung	
BNDA	BANDA	
BNDI	Bandanaira	
BNDS	Bandar-Abbas	
BNE	Burnie High School	
BNG	Bangui	
BNGB	Bingl	
BNGL	BINGOL	
BNGR	Bahawalnagar	
BNH	Berlin	
BNI	Bardonecchia	
BNJ	Bonny Gate	
BNK1	Robinsons Bay	
BNKB	Banks Island	
BNL2	Banloc	
BNLO	Ben Lomond (Santa Cruz Mountains)	
BNM	Barren Site	
BNMM	Bakun	
BNN	Bunyan	
BNO	Breno	
BNON	Benoni	
BNP	Banawang	
BNPN	Boundary Peak	
BNR	BHIKNUR	
BNS	Bensberg	
BNSI	Bone	
BNT	Bandirma	
BNV	Benevento	
BNX	BinXian	
BNY	Binghamton	
BO-	Brewton	BO-AL
BO01	Tunca	
BO02	Sierra Bellavista	
BO03	Pichilemu	
BO04	La Punta	
BO1	Boulder	
BOA	Boaco	
BOA1	Boaco	
BOAB	BOACO BROADBAND	
BOAC	Boac	
BO-AL	Brewton	
BOAV	Boa Vista	
BOB	Bobbio (Coli)	
BOBE	Biye Kabobe	
BOBI	Bbikon, Wasserreservoir Allmend, AG	
BOBN	Bobandana	
BOC	Bochum	
BOCA	BOCANA DE BUA	
BOCO	Bogota	
BOD	Bodaibo	
BODA	Bodrum-Mula	
BODE	Bodenheim	
BODR	Bodie	
BODT	Bodrum	
BODY	Near Bada	
BOF	Bonneval	
BOG	Bogota	
BOGI	Bogijuda	
BOGT	Yorkville	
BOGU	Bogesund	
BOH	Bohocortia	
BOI	Boisen	
BOIN	Boiestown	
BOJ	Boujaaouane	
BOJS	Bojanci	
BOK	Bokaro	
BOKD	Bokod	
BOKO	BOKO	
BOKR	Bokaro	BOK
BOL	Bologna	
BOLE	Bolero	
BOLM	Sugar Bowl	
BOLP	Bolinao	
BOLS	Boljevac	
BOLU	Bolu-Merkez-Musluklar	
BOLV	Bolvadin	
BOM	Bombay	
BOMB	Bombay Beach	
BON	Bonds Corner	
BON1	Bonao	
BONG	BONG	
BONI	La Bonita	
BONIF	Phare de Pertusato	
BONN	Klostergut Bonnrode	
BONR	Boundary Peak	
BONV	Boonville, CA	
BOO	Bordano	
BOOC	South Base Booster	
BOOE	Boina - YZ	
BOOM	Boomskoye uschel'e	
BOON	Boondooma	
BOPT	Opiter	
BOQS	Boqueron	
BOQSS		
BOR	Borzhomi	
BORA	Eskisehir	
BORC	Borrego Springs	
BORE	Ethiopia-Afar Geoscientific Lithospheric Experiment	
BORG	Borgarnes	
BORI	Bordano	BOO
BORK	Borovoye	
BORM	Bormio	
BORR	Bors	
BORS	Borseda	
BORU	Boraas	
BOS	Bosque Alegre	
BOSA	Boshof	
BOSB	Boseong-gun	

Code	*Station Name*	*Other*
BOSC	San Juan Bosco	
BOSE	Boina - YZ	
BOSI	Bolzano	
BOSL	Borgo San Lorenzo	
BOSR	Bodos	
BOSS	Bosilegrad	
BOST	Ostende	
BOT	Bacolet	
BOTM	Botticino Mattina	
BOTS	Marmara Ereglisi-Tekirdag	
BOTT	Botticino	
BOTV	Botiquin	
BOU	Boulder	
BOUC	Bouclans	
BOUF	Bouguenais - site IFSTTAR	
BOURR	Bourrignon	
BOV	Bogong Mts	
BOVE	Boina - YZ	
BOVS	Bovan	
BOW	Bowman	
BOX	Box Canyon	
BOX6	Mt Lofy	
BOXN	Box Lake	
BOXOZ	Borroloola	
BOY	Boyalica	
BOYA	Sinop/Boyabat-Salar	
BOYT	Boyabat	
BOZ	Bozeman (W)	
BOZC	Bozcaada	
BOZD	Bozcaada-Canakkale	
BOZK	Kars-Merkez-Bozkale	
BOZV	Bozvelijsko	
BOZY	Bozyazi-Mersin	
BOZZ	Bozzolo	
BP-	Bishop	BP-CL
BPA	Boggy Peak	
BPAT	Tungurahua Volcano	
BPAW	Bear Paw Mtn.	
BPBC	Brooks Peninsula	
BPBCA	Veniaminof	
BPCB	Bare Point	
BP-CL	Bishop	
BPCM	Pine Canyon	
BPCNC	Pine Canyon	
BPEB	Brooks Peninsula	
BPFM	Pfieffer Point	
BPI	Johannesberg	
BPIL	Belle Prairie	
BPIM	Pinnacles	
BPK	Black Peak	
BPM	Bucksport	
BPMT	Black Pine Ridge	
BPO	Bald Peter	
BPOM	Post Ranch	
BPPM	Pinyon Peak	
BPRM	Ponciano Ridge	
BPT	Bridgeport	
BPU	Bountiful Peak	
BQA	Beqa	
BQ-AK	Bethel	
BQB	Bob Quinn Lake	
BQT2	Los Cabezos	
BR-	Berlin (Penn)	BR-PA
BR00	Belbasi Site	BRAR
BR01	Belbasi Array Site 1	
BR02	Belbasi Array Site 2	
BR03	Belbasi Array Site 3	
BR04	Belbasi Array Site 4	
BR05	Belbasi Array Site 5	
BR06	Belbasi Array Site 6	
BR1	Brisbane hardrock	
BR101	Keskin Array Site 101	
BR102	Keskin Array Site 102	
BR103	Keskin Array Site 103	
BR104	Keskin Array Site 104	
BR105	Keskin Array Site 105	
BR106	Keskin Array Site 106	
BR131	Keskin Array Site 131	BRTR
BR2	Brisbane softrock	
BR231	Keskin MP Array Site 231	BRMAR
BR232	Keskin MP Array Site 232	
BR233	Keskin MP Array Site 233	
BR234	Keskin MP Array Site 234	
BR235	Keskin MP Array Site 235	
BR236	Keskin MP Array Site 236	
BR237	Keskin MP Array Site 237	
BR2MX	Brawley, BR2	
BR31	Belbasi Array Site 31	BRAR
BR4	Bonnie Rock 4	
BRA	Bratislava	
BRAG	Branistea	
BRAK	Brakfontein	
BRAL	Brewton	
BRAN	Las Pilas	
BRANT	Les Verrieres	
BRAR	Belbasi Array Beam Reference Point	
BRAS	Brasopolis	
BRAT	Ballarat	
BRB	Barbados	
BRBA	Barentsburg A	
BRBB	Barentsburg B	
BRBC	Blue Ridge Broadcasting Company	
BRBL	Brava	
BRBR	Barbar	
BRBZ	Brava	
BRC	Barley Canyon	
BRCH	BAHRAICH	
BRCI	Bahraich	
BRCN	Bracie Corner	
BRCO	Bruce Peninsula	
BRCR	Berchikul'	
BRCV	Brava	
BRD	Bordesti	
BRDA	Ba@14rda@14	
BRDG	Blue Ridge	
BRDH	Bariadhala	
BRDR	BURDUR-Merkez	
BRDS	Brindisi	
BRDY	Brady	
BRE	Wroclaw	
BREC	Barre Substation	
BREF	Cotopaxi Volcano	
BREI	Breisach am Rhein	
BREM	Bremgarten	
BRES	Bressanone	
BRET	Bretten	
BREU	Bredtraesk	
BRF	Ar Rifa	
BRG	Berggiesshubel	
BRGA	Burgazada-Istanbul	
BRGC	Borrego Mountain	
BRGM	Braggadocio	
BRGN	Trimble, BRGM	
BRGNA	Bergen	
BRGZ	Burgazada	
BRH	Birch Hill	
BRH1	Barahona	
BRHE	Rheinberg	
BRHS	Bolshoi Rechka	
BRI	Brig	
BRIB	Briones	
BRIBI	Bribri	
BRIC	Briceland Vineyards, California	
BRIE	Brienza	
BRIGG	Briggsdale	
BRIS	BRISIGHELLA	
BRIU	Brid	
BRIV	Barinas	
BRIZ1	Brienz/Brinzauls, GR	
BRIZ2	Brienz, Instabilitaet Caltgeras, GR	
BRJ	Black River	
BRJC	Barrancabermeja, Santander	
BRJN	Brijuni	
BRK	Berkeley--Haviland	
BRK01	Al Birk	
BRK02	Al Birk	
BRK03	Al Birk	
BRK04	Al Birk	
BRK30	Berezniki,	
BRKS	Brookside Elementary School	
BRL	Berlin--Free University	
BRL2	Braila	
BRLDA	Berland Lookout Tower, Alberta	
BRLK	Bradley Lake	
BRLL	Baranello	
BRLS	Borolday	
BRM	Bernie	
BRMAR	Keskin MP Array Beam Reference Point	
BRMM	Rolling Bench Mark	
BRMO	Bormio	
BRN	Berlin	
BRNE	Bradley Lake NE	
BRNG	Burnasheti	
BRNI	Bet Oren	
BRNII	BRN	
BRNJ	Basking Ridge	
BRNL	Berlin--Lankwitz	
BRNM	Bernie	
BRNS	Bernies	
BRNW	Bradley Lake NW	
BRNY	Black Rk. Forest	
BRO	Bare Mountain	
BROG	Barisakho	
BROLN	Tlhalogang	
BROM	Bains de Bromines	
BROR	Big Rock Lookout	
BRP	Bottle Rock Power	
BR-PA	Berlin	
BRPK	Brown Peak	
BRPO	Bonnechere River Park	
BRQR	Ronquire	
BRR	Berryman	
BRRC	Barranca, Santander	
BRRN	Barrancas-Volc¡n Cotopaxi	
BRS	Brisbane	
BRS4	Brasov	
BRSA	Brisbane St Lucia campus	
BRSB	Brisbane	
BRSD	Miller	
BRSE	Bradley Lake SE	
BRSN	Barisano	
BRSW	Bradley Lake SW	
BRT	Bari-Castellana	
BRTC	Bertell Ranch	
BRTN	Brown Mountain	
BRTR	Keskin Array Beam Reference Point	
BRU	Baru	
BRU2	Volcan	
BRUG	Bruguera	
BRUN	Tungurahua Volcano	
BRUT	Bromley	
BRV	Barrow	
BRVK	Borovoye	
BRVM	Little Rabbit V.	LRV
BRVW	Black Rock Valley	
BRW	Barrow	
BRWK	Brunswick	
BRWY	Burwash Landing	
BRY	Bratogost	
BRYW	Bryant College	
BRZ	Borland Lodge	
BRZS	Berezniki	
BS00	La Paz	
BS01	CO. Balcn	
BS02	Patallajta	
BS03	Mojotorillo	
BS04	Villa Nueva	
BS05	Cuyupaya	
BS06	Camiri	
BS07	San Felipe	
BS08	Valle Grande	
BS09	Huarina	
BS10	CO. Tuti	
BSA	Byrd (S.R.I.)	BY1
BSAQ	Ile d'Orlans Bridge South Anchor Chamber	
BSBM	Swanson's Bluff	
BSC	Santa Cruz Island	
BSC3	Bisaccia	
BSCB	Bom Sucesso	
BSCF	Bossay-sur-Claise - 37028 - Indre-et-Loire - France	
BSCM	Stone Canyon	
BSCP	Brocks Farm	
BSCQ	Baie-Sainte-Catherine	
BSD	Bornholm Skovbrynet	
BSD*	Akirkeby	BSD
BSE	Boise	
BSEG	Bad Segeberg	
BSF	Ballon Servance	
BSFB	Barra de Sao Francisco	
BSFP	Boeing Fire Protection	
BSGM	Shirttail Gulch	SHG
BSHA	Ruhr-University Bochum--Staatshockbauamt	
BSHR	Al Beshri	
BSI	Banda Aceh	
BSIR	Belisirma, Guzelyurt, AKSARAY	
BSK	Brimstone Hill	
BSK4	Belie Skalie	
BSKQ	Steenkerk	
BSL	Borgo	
BSLM	Silva Ranch	
BSLQ	Bruslee	
BSM	San Miguel Island	
BSM1	Besham	
BS-MA	Billings	
BSMM	Soledad Mission	
BSMT	Bassoo Peak	
BSN	San Nicolas Island	
BSO	Bsor	
BSO1	Boso 1	
BSO2	Boso 2	
BSO3	Boso 3	
BSO4	Boso 4	
BSP	Bush Stream	
BSPO	Barkcamp State Park Ohio	
BSPQ	Baie-St-Paul	
BSPT	Big Springs	
BSR	Basra	
BSRM	Salinas Radio Site	
BSRN	Basiran	
BSS	Baronissi	
BSSI	Bau Bau, Buton	
BSSO	Busso	
BST	Brest	
BSTF	la Bastide-des-Jourdans	
BSTI	Sart Tilman	
BSTK	Bystrovka, Novosibirskaya Oblast', Russia	
BSTN	Buston	
BSTP	Nigde	
BSTR	Bucharest-Scientist's House	
BSUT	Blindstream Canyon, Hanna	
BSWZ	Blackbirch Station	
BSY	Bisya	
BSYO	Bisya	
BSZ	Bushy Park	
BSZH	Besenyszg	
BT-	Bates	BT-OR
BT1	Baytugan-1	
BT2	Baytugan-2	
BTA	Talkin	
BTAM	Cotopaxi Volcano	
BTAO	Waffenplatz Bedrina, Airolo, TI	
BTAS	Taskesti	
BTB	Buttle Lake	
BTC	Butembo	
BTCC	Brunts Corner	
BTCH	Batrach	
BTCO	Belmont College, St. Clairsville	
BTDF	Bukit Timah Dairy	
BTE	Batoke	
BTER	TERRAZAS BANDA ANCHA	
BTEZ	Ruhr-University Bochum--Technical Center	
BTG	Basse Terre	
BTGS	Batagay	
BTH	Betharram	
BTHS		
BTHT	Jabal bu Thady	
BTI	Bat Shelomo	
BTIE	Bat	
BTIN	Bartın	
BTK	Batken	
BTKR	Batakoyurt	
BTL	Butler Peak	
BTLC	Betulia, Santander	
BTLK	Bitlis	
BTLPN	BTLPN	
BTLR	Botlikh	
BTLS	Baital	
BTM	Bintulu	
BTMB	Babushkin	
BTMN	Batman	
BTMR	Bucharest-Geotec Company	
BTMT	Batman	
BTN	Butuan	
BTNC	Turbay, BTN	
BTNF	Ladstafel, Nufenenpass, VS	
BTNG	Baratang	
BTNI	Buton	
BTNK	Botanikuri	
BTNL	Ternell	
BTO	Baotou	
BTOK	Tokmak	
BT-OR	Bates	
BTP	Batelco	
BTPC	Burnt Peak	
BTR	Butare	
BTRC	Tricarico	
BTS2	Botosani	
BTTP	Bongao, Tawi-Tawi	
BTU	Barney Top	
BTUN	Refugio Volc¡n Tungurahua	
BTW	Bitterwater Creek	
BTY	Beatty	
BU-	Buckingham	BU-QB
BUA	Buia	
BUAI	Buenos Aires	
BUAY	Buenos Aires	
BUB	Buchberg	
BUC	Bucharest	
BUC1	Bucharest	
BUC2	Bucharest	BUC1
BUCA	Burdur, Bucak-Gundogdu	
BUCE	RIO BUCHE	
BUCF	Bucures@17ti--IRSA	
BUCH	Bad Urach	
BUCK	Buck Mountain	
BUCM	Buckrabanyule	
BUCN	Buchan	
BUCR	Buckhorn Ranch, CA USA	
BUD	Budapest	
BUDM	Budderoo	
BUE	Buenavista	
BUEV	Buena Vista	
BUF	Buffalo	
BUFB	Buffelsbos	
BUFE	BUENA FE, CENTRO DE SALUD	
BUG	Bochum--University	
BUGC	Buga	
BUGS	Bugetsay	
BUH	Buhlerhohe	
BUHA	Balikesir, Burhaniye-Dutluca	
BUI	Burke	
BUII	Buia	BUA
BUJA	Bujumbura/Burundi	
BUJR	Buynaksk	
BUK	413	
BUKA	Buka	
BUKO	Buck Lake	
BUKP	Musuan	
BUL	Bulawayo	
BULB	Ulba Tungurahua	
BULE	Bulengo	
BULG	Bulgheria - Camerota	
BULI	Ruhr-University Bochum - Language Institute	
BULL	Bull Run Dam	
BULN	Bullion Camp, Hudson Bay	
BULU	Kimbe	
BUM	Brajici-Budva	
BUMI	Ibumi	
BUMT	Jakar	
BUN	Bunnythorpe	
BUNC	Butner	
BUNG	Bungee Jump	
BUNI	Buntu Taipa	
BUO	Burlington	
BUOR	Burton Butte	
BU-QB	Buckingham	
BUR	Burlington	
BUR01	Bucovina Ar. Site	
BUR02	Bucovina Ar. Site	
BUR03	Bucovina Ar. Site	
BUR04	Bucovina Ar. Site	
BUR05	Bucovina Ar. Site	
BUR06	Bucovina Ar. Site	
BUR07	Bucovina Ar. Site	
BUR08	Bucovina Ar. Site	
BUR09	Bucovina Ar. Site	
BUR32	BURAR	
BUR33	BURAR	
BURAR	Bucovina Array	
BURB	Buron	
BURD	Burdekin Lookout	
BURE	Buenos Aires	
BURJ	Burma	
BURN	Burns	
BURU	Burvik	
BURY	Giardini Botanici Hanbury, Ventimiglia (IM), Italy	
BUS	Buena Vista	
BUS1	Rivas	
BUSA	Buseok	
BUSP	Coron	
BUT	Butte	
BUTA	Ethiopian Broadband Seismic Experiment	
BUTB	Butedale	
BUTI	AfricaArray/PSU - ZP	
BUTK	Butaka	
BUTP	Butuan	
BUTX	Baylor University	
BUV	Buchan	
BUW	Bucklebury West	
BUWY	Burn	
BUXR	Bukhara	
BUY	Buyukada	
BUYA	Buyukada-Istanbul	
BUYB	Buyeo	
BUZ4	Buzau	
BUZR	Buzau	
BV-	Belleville	BV-PA
BV1	Bath County 1	
BV15	Puerto Quito-OCP	
BV2	Bath County 2	
BV3	Bath County 3	
BV4	Bath County 4	
BVA	Buena Vista	
BVA0	Borovoye Array Site A0	
BVA1	Borovoye Array Site A1	
BVA2	Borovoye Array Site A2	
BVA3	Borovoye Array Site A3	
BVA4	Borovoye Array Site A4	
BVAR	Borovoye Array Beam Reference Point	
BVB5	Borovoye Array Site B5	
BVB6	Borovoye Array Site B6	
BVB7	Borovoye Array Site B7	
BVB8	Borovoye Array Site B8	
BVB9	Borovoye Array Site B9	
BVC	Bear Valley Observatory	NOLM
BVC2	Cotopaxi Volcano	
BVCR	Bucharest-Old Court	
BVCY	Beaver Creek	
BVD	Bellevue State Park	
BVG	Bouganvilia	
BVH	Beverly Hills	
BVIG	Viggiano	
BVIL	Belleville	
BVK	Beaver Lake	
BVL	Bear Valley	
BVLM	Bear Valley	BVL
BVM	Bellevue	
BVOC	Bila Voda	
BV-PA	Belleville	
BVR	Beaver	
BVRS	Bavra	
BVT	Borgo Val di Taro	

Code	Station Name	Other
BVTM	Michoacan	
BVV	Ba Vi	
BVW	Beverly	
BVYM	Vineyard	
BW-	Blewett	BW-WA
BW06	Boulder Array Site 6	
BW1H	Bowen Hard, QLD	
BW2S	Bowen Soft Rock	
BWA	Boorowa	
BWD	Brandywine Creek State Park	
BWH	Wardlaw	
BWI	Barbuda	
BWJI	Bawean	
BWLO	Walkerton	
BWN	Browne	
BWNR	Bhubaneshwar	
BWP	Baguio Weather Station	
BWTI	Baumata	
BW-WA	Blewett	
BWZ	Berwen	
BX-	Blanding	BX-UT
BXML	Bakhmal	
BX-UT	Blanding	
BY1	Byrd--Stanford Research Institute	
BY2	Byrd--Stanford Research Institute	
BY3	Byrd--Stanford Research Institute	
BYA	Byrd--Stanford Research Institute	
BYAR	Belyy Yar	
BYAT	Afyon-Bayat	
BYB	Berrybush	
BYBT	Boyabat	
BYD	Bredaryd	
BY-IO	Bloomfield	
BYJI	Banyuwangi	
BYL	Byron's Ledge	
BYN	Bayano	
BYO	Bayan-Olgiy	
BYR	Byrd	
BYRJ	Bayer	
BYT	Bytom	
BYU	Brigham Young University	
BYX	Boyer Ranch	
BYXU	Byxelkrok	
BYZN	Byzanz	
BZ-	Buckhannon	BZ-WV
BZE	Bozeman	
BZER	Hlnxe	
BZEV	Zevekote	
BZGR	Bezymyannyi-Griva	
BZK	Bozkurt	
BZM	Bozeman	
BZMR	Bezymyannaya	
BZMS	Bezymyanka	
BZMT	Bozeman Pass	
BZN	Bogi-Zagon	
BZNA	Buzz No.'s Place	
BZP	Bezymyannyi-Pereval	
BZRK	Zereshkeh	
BZS	Buzias	
BZWR	Bezymyannyi-West	
BZ-WV	Buckhannon	
C001	Firth Court Fremont	
C002	Farnham Drive Newark	
C003	Cottage Court Castro Valley	
C004	Swainland Road, Oakland	
C005	Mandana Bl Oakland	
C006	Lk Pillsbury D Fremont	
C007	Forest Lane Berkeley	
C008	Spokane Avenue Albany	
C009	Brunell Drive Oakland	
C01	C01	
C010	Sunflower Court Concord	
C011	Colusa Avenue, El Cerrito	
C012	Glenmawr Avenue, El Cerrito	
C013	Ascot Lane Oakland	
C014	Upland Way Hayward	
C015	Bright Common Fremont	
C016	Longford Drive San Jose	
C017	S Grimmer Bl Fremont	
C018	Christie Drive Martinez	
C019	St Phillip Court Concord	
C02	C02	
C020	Rhoda Avenue Oakland	
C021	Meadowview Drive Castro Valley	
C022	Davis Street Fremont	
C023	Technology Drive Fremont	
C024	33rd St Richmond	
C025	Golden Eagle Way Pleasanton	
C026	Kell Court Alamo	
C027	Lawnview Circle Danville	
C028	Eucalyptus Rd Berkeley	
C029	Evergreen Court Danville	
C03	C03	
C030	Blue Jay Drive Morgan Hill	
C031	McGee Avenue Berkeley	
C032	McCall Drive, Benicia	
C033	Glashaus Lp Emeryville	
C034	Goodrich Way Fremont	
C035	Crawford Street Concord	
C036	Merkley Row, San Jose	
C037	N 15th Street San Jose	
C038	Hutchings Drive San Leandro	
C039	Semillon Drive Fremont	
C03A	Quillayute Airport, Forks	
C04	C04	
C040	Flannery Road San Pablo	
C041	El Campo Drive San Jose	
C042	Juniper Way Moraga	
C043	Panoramic Way, Berkeley	
C044	Maitland Drive Alameda	
C045	Hawkins Drive San Ramon	
C046	N 16th Street San Jose	
C047	Rutherford Drive Danville	
C048	Posada Way Fremont	
C049	Pacific Avenue Alameda	
C04A	Brinnon	
C05	C05	
C050	Festivo Court Fremont	
C051	Centre Court Alameda	
C052	Regaby Place Court San Jose	
C053	Alexander Way Pleasanton	
C054	Valleyhaven Way San Jose	
C055	Cottonwood Avenue, Hayward	
C056	Diablo Avenue Hayward	
C057	Hedge Avenue Brentwood	
C058	Eastshore Drive Alameda	
C059	Quail Canyon Rd San Jose	
C05A	Tolt Reservoir	
C06	C06	
C060	Lambert Place Union City	
C061	42nd Avenue Oakland	
C062	Calle Reynoso Pleasanton	
C063	Havenscourt Bl Oakland	
C064	Brunell Drive Oakland No2	
C065	Ponderosa El Sobrante	
C066	Highgate Road Kensington	
C067	Fleetwood El Sobrante	
C068	Mocine Avenue Hayward	
C069	Rotal Creek Pleasanton	
C06A	Tall Timber Ranch, Leavenworth	
C06D	Leavenworth	
C07	C07	
C070	Dillo Street San Leandro	
C071	Via Corta San Lorenzo	
C072	Blauer Lane San Jose	
C073	Carlos Bee Bl Hayward	
C07A	Waterville	
C08	C08	
C08A	Higginbotham Farm, Almira	
C09A	Chrisman Ranch, Davenport	
C10A	Spilker Farm, Colbert	
C11	C11	
C1151	Parques Nacional Chingaza	
C11A	Tepee Creek (NFS), Magee	
C12	C12	
C12A	Trout Creek	
C12B	Naegeli Ranch, Trout Creek	
C13	C13	
C13A	Hot Springs	
C14	C14	
C14A	Swan Lake	
C15A	Salmond Ranch, Choteau	
C16	C16	
C16A	Fuhringer Ranch, Dutton	
C16K	Lisburne Hills	
C17A	Wharram Farm, Highwood	
C17K	DeLong Mountains	
C18	C18	
C18K	Utukok River	
C197S	OBS 197S	
C19A	Slack Wire Ranch, Winifred	
C19K	Lookout Ridge	
C1SC	The Citadel Site 1	
C20	C20	
C201S	OBS 201S	
C206S	OBS 206S	
C20A	Veseth Ranch, Zortman	
C21	C21	
C21A	Desert Coulee Ranch, Glasgow	
C21K	Knifeblade Ridge	
C22	C22	
C22A	Vida	
C23	C23	
C23A	Lambert	
C23K	Itkillik River	
C24A	Savage	
C24K	Franklin Bluffs	
C24MA	Colegio 24 de Mayo	
C25A	Freed Ranch, Watford	
C26A	Wahner Farm, Parshall	
C26K	Camden Bay	
C27A	Sayler Ranch, Douglas	
C27K	Jago River	
C28A	Hausauer Farms, Kief	
C2SB	Chapadao do Sul	
C2SC	The Citadel Site 2	
C305S	OBS 305S	
C307S	OBS 307S	
C309S	OBS 309S	
C30A	Mose, Pekin	
C316S	OBS 316S	
C31A	Landman Farms, Northwood	
C32A	Crookston	
C33A	Trail	
C34A	RKJ Ranch, Bemidji	
C35A	Jirik Farms, Max	
C36A	Pine Crest Farm, Angora	
C36M	Paulatuk	
C37A	Embarrass	
C38A	Sawbill Land. Superior Nat. Forest USFS	
C39A	Grand Marais	
C40A	Isle Royale National Park	
CA-	Caryville	CA-TN
CA02	CA02	
CA03	CA03	
CA04	CA04	
CA05	CA05	
CA06	CA06	
CA07	CA07	
CA08	CA08	
CA09	CA09	
CA10	CA10	
CA11	CA11	
CA12	CA12	
CA13	CA13	
CA15	CA15	
CA16	CA16	
CA17	CA17	
CA18	CA18	
CA19	CA19	
CA2	Cagliari Serpeddi	CGL
CA20	CA20	
CAA	Chanaral	
CAAA	Cadoux, CAA	
CAAM	Accademia Aeronautica Militare Pozzuoli (NA) Italy	
CAAN	Eighty Mile Beach, WA	
CAAP	Casiguran, Aurora	
CAB	Cabramurra	
CAB1	Cabo Pasado-Manab	
CABA	Caballo Blanco	
CABAL	Caballito	
CABF	La Chapelle	
CABP	Cabo Pasado	
CABS	Djebel Ababsia	ABSA
CAC	Calama	
CACAO	El Cacao, Veraguas	
CACB	Caconde	
CACC	Caltech Cellar	
CACH	El Canelo	
CACM	Antioch	
CACQ	Cacouna	
CACS	Harewood	
CACV	CAICARA DEL ORINOCO	
CAD	Cady Mountains	
CADA	Capodarco di Fermo	
CADC	Capriano del Colle, Italy	
CADE	Adeje, Tenerife	
CADI	Tunel del Cadi	
CADM	Anderson Res.	ADR
CADR	Cabrera	
CADS	C@19adrg	
CADX	Cadoux	
CAE	Caneva	
CAEH	'Ain El Ouahch	
CAEL	Denizli, Cameli-Kalinkoz	
CAF	Calviac	
CAFE	Carife	
CAFI	Castiglion Fiorentino	
CAFL	Campi Flegrei, Pozzuoli, Arco Felice, (NA) Italy	
CAFR	Castel Frentano	
CAFV	EL CAFE	
CAG	Caguas	
CAG1	Curtea de Arges	
CAGC	Fila Aguacate, AGC	
CAGG	Caggiano	
CAGL	Cagli	
CAGN	Cagnes-sur-Mer	
CAGR	Agira	
CAGT	Chagyl	
CAH	Castle Hill	
CAHC	Cahuilla Valley	
CAHL	Cahill	
CAHU	Cacacuatique	
CAI	Caico	
CAIC	Caicedonia	
CAIG	El Cayaco	
CAIM	Angel Island	AGC
CAIV	Caiguire	
CAK	Cadoux	
CAL	Calcutta	
CALA	Caldeira	
CALB	Calabasas	
CALC	California City	
CALF	Calern	
CALI	Calice al Cornoviglio	
CALM	Calaveras Res.	CVR
CALMX	Heroes del Desierto, CAL	
CALN	Calern	
CALO3	Calobre, Veraguas	
CALP	Taal Volcano	
CALQ	Cantley	
CALV	Calvario	
CAM	Cambridge	
CAM01	Campos-RJ	
CAM1	Macae	
CAM2	Attock	
CAM3	Guarapari	
CAM4	Nova Friburgo	
CAMA	Camapuan	
CAMAV	Centro de Produccion Miravalles	
CAMB	Cambridge (NY)	
CAMBU	Cambutal, Los Santos	
CAMC	Camarillo Hills	
CAME	Cameli-Denizli	
CAMF	Camaret-sur-Mer, Bretagne, France	
CAMI	Rancho Maria	
CAMM	Veracruz	
CAMN	Camsell Lake	
CAMP	Campotosto	
CAMV	Campeare	
CAN	Canberra	
CAN1	UHE Cana Brava	
CAN3	Cana Brava	
CANA	Caviahue	
CANAL	Canalete	
CANB	Canakkale	
CANC	CAN	
CAND	Candarli	
CANF	Canfranc	
CANG	Candelarita	
CANM	Can-anakkale	
CANN	Canning Dam	
CANO	Canova, Magliolo (SV)	
CANR	Candelaria	
CANS	Sao Roque de Minas	
CANT	Cankiri	
CANV	Cerro Antonio	
CANY	Canisius	BUF
CAO	Cobano	
CAO2	Cobano, Puntarenas	
CAOM	Arnold Ranch	ARN
CAON	Cano Negro, CANO	
CAOV	Caicara del Orinoco	
CAP	Capodimonte	
CAP2	Capurgana	
CAPA	Cerignola FG	
CAPC	Capurgana	
CAPCA	Capra Ranch	
CAPH	APH	
CAPN	Captain Cook Nikiski	
CAPQ	Boul. des Capuccins MTQ1	
CAPR	Capriolo	
CAPU	Utah State Capitol	
CAPV	Capacho	
CAQC	Caqueza, Cundinamarca	
CAR	Caracas	
CAR1	CAROLEI	
CAR22	CARIFE	
CARA	Val d'Aran	
CARB	Mount Cartier	
CARC	Carrizo Plain	
CARD	Cardoso	
CARDN	Malvern Hills, CARD	
CARE	Lago del Careser	
CARF	Carcanieres	
CARI	Cariari	
CARL	Carlisle	
CARM	Carmen	
CARMG	Cadoux-Robbs, CAR	
CARO	Carolei	
CARP	Carpanzano	
CARR	Arriaga	
CARS	Cars	
CART	Cartagena	
CARV	Caracas	
CAS	Casamari	
CAS01	Occhiobello (RO)	
CAS02	Vigarano Mainarda (FE)	
CAS03	Settepolesini, Bondeno (FE)	
CAS04	Vigarano Pieve (FE) fraz. Diamantina	
CAS05	San Carlo, Sant'Agostino (FE)	
CAS06	Vigarano Mainarda (FE)	
CAS07	S.Agostino (FE)	
CAS08	Chiesa Nuova, Poggio Renatico (FE)	
CASA	Carruther's Hill	
CASAE	School, Casa de Jesus	
CASC	Dorado de Cascales	
CASE	Campi Flegrei, Astroni est, (NA) Italy	
CASEE	Lake Jocassee	
CASI	Castillo	
CASL	Cascajal	
CASM	Ain Smara	
CASMG	Cadoux-Shankland, CAS	
CASO	Castillo	
CASP	Castiglione della Pescaia	
CASR	Casa Diablo Mountain	
CAST	Castle Rocks	
CASW	Cayambe	
CASY	Casey	
CAT	Catania	
CATA	Catuaro Arriba	
CATC	CAT	
CATE	Catamayo	
CATI	Cattai, Sydney	
CATL	atalca, STANBUL	
CATM	Catron	
CA-TN	Caryville	
CATZ	Catanzaro	
CAUB	Caruaru	
CAUP	Cauayan	
CAUQ	Cauquenes	
CAV	Cavalese	
CAVC	Cave Mountain	
CAVE	Cavezzo	
CAVI	Cavuskoy	
CAVK	Edirne/Enez-Cavuskoy	
CAVM	Cavillon	
CAVN	Les Avellanes	
CAVT	Castelvetrano	
CAVTT	Cavuskoy	
CAW	Cannon Point	
CAWE	Campi Flegrei, Astroni ovest, (NA) Italy	
CAY	Cayenne	
CAYA	Cayambe	
CAYO	PUERTO CAYO 2	
CAYR	Refugio Cayambe	
CAZ	Castlepoint	
CAZD	Ain Tagrout	
CAZE	Cazenovia	
CB01	Cambridge Bay Array Site 1	
CB02	Cambridge Bay Array Site 2	
CB02E	CB02E	
CB03	Cambridge Bay Array Site 3	
CB03E	CB03E	
CB04	Cambridge Bay Array Site 4	
CB04B	CB04B	
CB05	Cambridge Bay Array Site 5	
CB05A	CB05A	
CB05B	CB05B	
CB06	Cambridge Bay Array Site 6	
CB07	Cambridge Bay Array Site 7	
CB07E	CB07E	
CB08	Cambridge Bay Array Site 8	
CB09	Cambridge Bay Array Site 9	
CB09E	CB09E	
CB1	Chesbro Res. 1	ADR
CB10	Mt Hamilton Road	MHR
CB11	Cambridge Bay Array Site 11	
CB11E	CB11E	
CB12	Cambridge Bay Array Site 12	
CB13	Cambridge Bay Array Site 13	
CB14	Cambridge Bay Array Site 14	
CB15	Cambridge Bay Array Site 15	
CB16	Cambridge Bay Array Site 16	
CB17	Cambridge Bay Array Site 17	
CB18	Cambridge Bay Array Site 18	
CB19	Cambridge Bay Array Site 19	

Code	*Station Name*	*Other*
CB2	Calero Reservoir	
CB3	Chesbro Res. 3	COE
CB31	Cambridge Bay Array Site 31	CBAR
CB32	Cambridge Bay Array Site 32	
CB33	Cambridge Bay Array Site 33	
CB34	Cambridge Bay Array Site 34	
CB35	Cambridge Bay Array Site 35	
CB4	Chesbro Res. 4	ARN
CB5	Chesbro Res. 5	SVC
CB6	Chesbro Res. 6	CVR
CB7	Poverty Ridge	
CB8	Chesbro Res. 8	
CB9	Mines Road	MNR
CBA	Cold Bay	
CBAC	Campi Flegrei Castello di Baia (NA) Italy	
CBAG	Campi Flegrei Bagnoli (NA) Italy	
CBAR	Cambridge Bay Array Beam Reference Point	
CBAR1	BAR1	
CBARC	Buenos Aires, BARC	
CBB	Campbell River	
CBBAR	Babar	
CBBF	Combe Brimond	
CBBR	Cluj-Babes-Bolyai University	
CBC	Chamberlain	
CBCC	Caltech Broad	
CBCH	Cabildo	
CBCY	The Bluff, Cayman Brac	
CBD	Cypress Bend	
CBE	Ff, Capesterre Belles Eaux	
CBET	Carlsbad E Tower	
CBEU	Beuda	
CBEY	Konya-Cihanbeyli	
CBGS	Christchurch	
CBHM	Coso Basin North	
CBHR	Beni Haroun dam	
CBHT	Chr Bro Hi School	
CBI	Chichi jima	
CBIJ	Chichi jima	
CBJI	Citeko	
CBK	Corner Brook	
CBKC	Canebrake	
CBKS	Cedar Bluff	
CBL1	Cabuya	
CBLA	Cariblanco	
CBLAA	Tinajo	
CBLG	Bald Mountain Lookout	
CBM	Caribou	
CBMO	Girardeau Bridge	
CBN	Corbin Fredericksburg Observatory	
CBND	Bou Andas	
CBO	Chesbro Reservoir	
CBOC	Ciudad Bolivar, Antioquia	
CBOG1	Bogota, SGC	
CBOGS	Bougous	
CBOL	Buenavista del Norte, Tenerife	
CBOS	Bilal Ibnou Rabah	
CBP	Campbellpur	
CBR	Cabramurra	
CBRE	Brena Baja,La Palma	
CBRG	Chuberi	
CBRI	Barrientos, Norte de Santander	
CBRM	Bolinger Road	BGC
CBRQ	Cabonga Reservoir	
CBRU	Bruguera	
CBS	Caborca	
CBSM	Byron Hot Springs	
CBSNC	Byron Hot Springs, Alameda County	
CBST	Bordj Sabath	
CBSW	Chelan Butte South	
CBT	Christianburg	
CBTI	Cedar Butte	
CBTN	Chibotane	
CBUD	Illa de Buda	
CBVB	Cao Bang	
CBW	Chelan Butte	
CBW1	Budock Water	
CBWM	Brookwood Res.	BKC
CBX	Cerro Bola	
CBY	Cold Bay	
CBYB	Canovanas	
CBYP	Canovanas	
CBZ	Campbell Island	
CBZL	Buffer Zone	
CBZM	Michoacan	
CC01	CC01	
CC03	Monteleto	
CC03E	CC03E	
CC05	CC05	
CC06A	CC06A	
CC06B	CC06B	
CC07	CC07	
CC08A	CC08A	
CC1	Presa Caracol 1	
CC2	Presa Caracol 2	
CC3	Presa Caracol 3	
CC4	Presa Caracol 4	
CC5	Presa Caracol 5	
CCA	Coamo	
CCA1	Carnmenellis	
CCAC	Calif City Airpt	
CCAL	Punta Orchilla, El Hierro	
CCAN	Las Canadas	
CCAP	Centro Acquisizione Posillipo, Napoli (NA), Italy	
CCAR	Cane Creek	
CCAS	Cassa de la Selva	
CCAZ	Cataract Creek	
CCB	Clear Creek Butte	
CCC	Cusp Creek	
CCCA	Chr Cany lake	
CCCC	Cccc	
CCCH	Con Con	
CCCH3	David	
CCD	Concordia, Antarctica	
CCE3	Bocca Seriola	
CCF	CONSTANTA	
CCG	Camp Century	
CCH	Cochabamba	
CCH1	Kalapoi	
CCH2	Burnt Hill	
CCH3	Windwhistle	
CCH4	Leeston	
CCH5	Chertsey	
CCHE	Chesterland	
CCHI	Chillan	
CCHK	Cheung Chau	
CCHO	La Orotava (Tenerife)	
CCI	Cagliari Citta	
CCIG	Comitan	
CCIP	El Cipres, CIP	
CCK	Cocos Island	
CCLV	Calvizzano	
CCM	Cathedral Cave	
CCMO	Creve Coeur	
CCMT	Clark Canyon Reservoir	
CCMX	Caleta Campos	
CCN	Cachucha Ranch	
CCN3	Pietralunga	
CCNC	Camp Creek Bald	
CCNE	Clay Center	
CCNM	Crow Canyon Rd	CYC
CCNY	Canisius College, New York, USA	
CCO	Chico	
CCO1	Constantine	
CCOB	Coe Ranch Number 3	
CCODA	Codazzi, Cesar	
CCOK	Camp Classen	
CCOL	Caracol de Corredores, Puntarenas	
CCOM	Coe Ranch	COE
CCON	CON	
CCORO	Corozal, CORO	
CCP	Cebu City	
CCPC	Citt di Castello	
CCPU	Cedar City Park	
CCR	Chacarita	
CCRB	Cholame Creek	
CCRM	Cairn Curran	
CCRS	Cacerres, MT, Brazil	
CCRT	Cow Camps Rge	
CCS	Cawcaw Swamp	
CCSP	San Pedro de Concepcion	
CCT	Chilecito	
CCTS	CTS	
CCU	Cedar City	
CCUC3	Cucuta, Santo Domingo	
CCUFI	Cufio, Nario	
CCUM	Cumbre, El Hierro	
CCUT	Cedar City	
CCVA	Cudjo Caverns	
CCVB	Con Cuong	
CCW	Cape Campbell	
CC-WA	Cascade Tunnel	
CCX	Cicese	
CCYM	Coyote Hills	
CD01	CD01	
CD04	CD04	
CD06	CD06	
CD07	CD07	
CD10	CD10	
CD11	CD11	
CD12	CD12	
CD14	CD14	
CD15	CD15	
CD16	CD16	
CD17	CD17	
CD19	CD19	
CD2	Chengdu	
CDA	Cape Douglas	
CDAG	Cicekdag	
CDAL	Dalton Road	
CDAM	Ciudad Altamirano	
CDAR	Ciudad de Armeria	
CDB	Caldarusani	
CDC	Canada Road	
CDCA	Citt` di Castello	
CDCB	Carmo do Cajuru	
CDCH	Caldera	
CDCN	Doucen	
CDCT	Citta di Castello Trestina	
CDD	Cape Douglas	
CDF	Champ du Feu	
CDFW	Cedar Flats	
CDG	Carters Dam	
CDH1	Calico Hills	
CDH5	Calico Hills	
CDI	Cordova	
CDIE	La Orotava (Tenerife)	
CDITO	Canoas	
CDKN	Chidliak Camp Nunavut	
CDL	Candle	
CDL2	Cedral	CDRL
CDLV	Cueva Verdes	
CDM	Cerro de Muerte	
CDMR	Cedar Moraine	
CDN	Cerro del Durazano	
CDNM	Cardinia	
CDO	Cedar Creek	
CDOB	Cd. Obregon	
CDOM	Doolan Road	DOO
CDOP	Cateel, Davao Oriental	
CDOS	Garachico, Isla de Tenerife	
CDP	Cerro de Punta	
CDPB	Cerro de Punta	
CDR	Cadarache	
CDRL	Cedral	
CDRO	Cedros	
CDRU	Civita di Ruta - Ottati	
CDSB	Chapadao Do Sul	
CDSM	Don Santos Ranch	
CDT	Castel del Monte	
CDU	Chengdu	
CDU1	Dunnerdale	
CDUM	Durate Ranch	DUC
CDVI	St. Croix	
CDVM	Del Valle	
CDY	Cape Darby	
CDZ	Cobb Dam	
CE-	Concrete	CE-WA
CE01	CE01	
CE02	CE02	
CE03	CE03	
CE04	CE04	
CE05	CE05	
CE06	CE06	
CE07	CE07	
CE08	CE08	
CE09	CE09	
CE11	CE11	
CE13	CE13	
CE15	CE15	
CE16	CE16	
CE17	CE17	
CE18	CE18	
CE19A	CE19A	
CE20	CE20	
CE21	CE21	
CE22	CE22	
CE23	CE23	
CE24	CE24	
CE25	CE25	
CEA	Ceahlau	
CEA0	Mexicali	
CEAP	Semis' Anvil Peak	
CEAZ	Cerra Azul, Caleta Web	
CEC	Childress 1	
CECL	East Claridon	
CECO	Cedaredge	
CECU	Ecuador Network	
CED	Cedar Springs	
CEDA	San Andres	
CEDE	Laguna Cedeo	
CEDI	Cerro Diablo	
CEDR	Cedros	
CEGR	Campo Tres	
CEH	Chapel Hill	
CEI	Carei	
CEIV	La Ceiba	
CEKR	Cima Ekar Asiago	
CEL	Celeste	
CELB	S.Piero in Campo Elba	
CELI	Celico	
CELM	El Mayor, ELM	
CELO	Sant Celoni	
CELP	Cerrillos	
CEM	Cemisgezek	
CEME	Cevo	
CEN	Cerronegro	
CEN1	Los Morros	
CENE	Cerro Negro	
CENEC	Vda. El Buco, CENE	
CENR	El Paso, La Palma	
CENT	San Jose	
CEO	Cerro Encantado	
CEOS	Cerro El Oso	
CEP	Cherat	
CEPE	Semis' Perret Rge	
CER	Ceres	
CERA	Filignano	
CERAA	Semis' Rag'd Top	
CERB	Semis' Cerberus	
CERBA	Cerbatana	
CERNS	CERN, Surface station	
CERR	Cheremushki	
CERRC	San Fernando, CERR	
CERS	Ceres, CA, USA	
CERT	Cerreto	
CERV	Cerron	
CES	Cherskiy	
CESE	eme	
CESI	CESI - Serravalle di Chienti	
CESL	Cescau	
CESO	Esterillos Oeste, ESO	
CESS	Cesta pri Krskem	
CEST	Esterri de Cardos	
CESW	Semis' Southwest	
CESX	Cesi	
CET2	Cetraro	
CETU	Semis' Tuman	
CEU	Ceuta	
CEUT	Ceuta	
CEVE	Cerro Verde	
CE-WA	Concrete	
CEY	Cerknica	
CEYT	Ceyhan	
CF-	Colfax	CF-WS
CF01	CF01	
CF02	CF02	
CF04	CF04	
CF05	CF05	
CF06	CF06	
CF07	CF07	
CF08	CF08	
CF09	CF09	
CF10	CF10	
CF11	CF11	
CF13	CF13	
CFA	Coronel Fontana	
CFAA	Coronel Fontana	
CFAR	Far de la Banya	
CFB1	Campi Flegrei Boa1 Golfo di Pozzuoli (NA) Italy	
CFB2	Campi Flegrei Boa2 Golfo di Pozzuoli (NA) Italy	
CFB3	Campi Flegrei Boa3 Golfo di Pozzuoli (NA) Italy	
CFC	Cairnmuir Flats	
CFF	Clermont-Ferrand	
CFI	College Fiord	
CFJ	Citronen Fjord	
CFL	Chilao Flats	
CFLOR	Florencia	FLOC
CFLP	Fuencaliente de la Palma, La Palma	
CFM	Cliffside	
CFMN	Campi Flegrei Oasi WWF Monte Nuovo Pozzuoli (NA) Italy	
CFNY	Clifton-Fine, NY	
CFO	Chats Falls	
CFON	Fontmartina	
CFOR	Fortaleza, Los Realejos, Tenerife	
CFR	Carcaliu	
CFS	Cross Fire Station	
CFSA	Confresa	
CFSB	Campi Flegrei Sea Bottom Golfo di Pozzuoli (NA) Italy	
CFSC	Central Fire St	
CFT	Crafton Hills	
CFTB	Yalova	
CFTV	Fuerteventura	
CFU	Cove Fort	
CFUE	Fuerteventura	
CFWM	Cactus Flat West	
CF-WS	Colfax	
CG-	Cumberland Gap	CG-VA
CG1H	Caggiano	
CGA	Cape Gloucester Airport	
CGA2	Cerro Gallo 2	
CGAC	Cerro Gallo	
CGAR	Garraf	
CGC	Craig	
CGD	Chagda	
CGDA	Cheongdo	
CGG	Guerrero	
CGG3	Caggiano	
CGGP	Crater GGP	
CGH	Cape Good Hope	
CGH1	Goonhilly	
CGI	Chicago	
CGIA	Cheongil	
CGIG		
CGIN	Giniginamar, Fuerteventura	
CGIR	Ginora - Universitat	
CGIS	Girona - Santa Caterina	
CGJI	Cibinong	
CGL	Cagliari Serpeddi	
CGL1	Ceglie Messapica	
CGLM	Capps Glacier	
CGM	Cape Girardeau	
CGM3	Cape Girardeau	
CGMA	Guelma	
CGN	Calugareni	
CGNY	Colgate University, Hamilton, NY	
CGO	Cerro Gordo	
CGOR	Puntagorda, La Palma	
CGP	Cagayan de Oro	
CGPM	Gavin Park	
CGPV	Cottongarden Point	
CGR	Cap Guir	
CGR1C	Isla Gorgona, Cauca	
CGRA	Granadilla de Abona, Tenerife	
CGRAN	Playa Grande, GRAN	
CGRH	CHANDIGARH	
CGRN	Granollers	
CGRP	Cima Grappa	
CGRR	Girdled Road	
CGSM	China Gardens South	
CGT	Chuian-Garon	
CGTN	Cumberland Gap	
CGTO	Guanajuato, GTO	
CGTX	Campo Grande	
CGUA	Guabo, GUA	
CGUB	Chungun	
CGUE	Guelma	CGMA
CGUI	Guimar, Tenerife	
CGV	Camp Garcia	
CG-VA	Cumberland Gap	
CGVM	Cerro Gordo	
CGW	Gweek	
CGX	Ciudad Guzman	
CGY	Coligny	
CGYA	Cheongyang	
CH-	Churchill	CH-MT
CH01	Chania	
CH02	Chania	
CH03	Technical University Creta	
CH2	Chocolate Mountain	
CH5	Clark Hill Reservoir	
CH6	Clark Hill Reservoir	
CHA	Chatra	
CHA1	Chaam	
CHA2	Chaam	
CHA3	Chaam	
CHA4	Chaam	
CHA5	Chaam	
CHAC	Puerto Chacabuco	
CHAE	Ethiopia-Afar Geoscientific Lithospheric Experiment	
CHAF	Chalampe	
CHAG	Chala	
CHAI	Chaiyaphum	
CHAL	AfricaArray SE Tanzania Basin Experiment - YH	
CHAM	Chaffey Accelerograph	
CHAN	Chania	
CHAP	Chapeco	
CHAR	Charly	
CHAS	Isla Isabel II, Islas Chafarinas	
CHAT	Chantaburi	
CHAU	Chaumont	
CHAY	Cayeli-Rize	
CHB	Church	
CHBI	Chibit, Altay Republic, Russia	
CHBR	Chabahar	
CHBT	CHBT	
CHBY	Cihanbeyli	
CHC	Chapel Hill	
CHCE	Chiaravalle Centrale	
CHCH	Chadas Angostura	
CHCP	Chirah Chowk	
CHCR	Itabira, Brazil	
CHDK	Chadak	
CHDN	Chaudanne	
CHDS	Charjew	
CHDUK	Cheddleton UK	
CHE	Cheb	
CHEF	Ethiopian Broadband Seismic Experiment	
CHEFC	Chefchaouen	
CHEG	Cheticamp, Nova Scotia	
CHEL	Chelinda	
CHER	Cherat	
CHET	Chet-Su	
CHF	Calhoun Falls	
CHFC	Chilao Flat Sta	
CHFM	Chaffey Dam	
CHFR	Pto Chacabuco	
CHG	Chiang Mai	CHTO
CHGB	Renai	
CHGE	School, Chagni	
CHGM	Chingoma	

Code	Station Name	Other
CHGN	Chignik	
CHGQ	Chibougamau	
CHGR	Chuyangaron	
CHGR2	Aguacate	
CHH	Chihuahua	
CHI	Chicago-Loyola	
CHI1	Chimborazo	
CHI2		
CHIA	Chirikof Island	
CHIB	CHIBUNGA	
CHIC	Chingaza	
CHIE	El Hierro	
CHIF	Chize	
CHIL	Chillagoe	
CHIM	Chimborazo	
CHIN	Chinandega	
CHIO	Chio	
CHIP	Near Potsdam	
CHIPN	CHIPINGE	
CHIQ	Chicoutimi-Nord	
CHIR	Chirikof Island	
CHIR1	Chironico	
CHIR3	Chiriqui UPA, Chiriqui	
CHIS	Cerro-Chispas-Manabi	
CHIT	Chita	
CHIT3	Chitre	
CHIX	Chihuahua	
CHJ	Chichibu	
CHJJ	Chichibu	
CHJN	Chongjin	
CHK	Chicago	
CHK4	Chkalova array site	
CHK5	Chkalova array site	
CHK6	Chkalova array site	
CHK7	Chkalova array site	
CHK8	Chkalova array site	
CHK9	Chkalova array site	
CHKA	Cham-Katzbach	
CHKH	Chenggong	
CHKI	Chanki	
CHKK	Chushkaly	
CHKT	Chengkung	
CHKZ	Chkalovo	
CHL	Chilik	
CHL1	Volc¡n Chiles-Cueva de arcos	
CHL2	Volc¡n Chiles	
CHLD	Childara	
CHLP	Challavanipeta	
CHM	Chimkent	
CHMA	Chilma	
CHMF	Charmoille	
CHMG	Chimgan	
CHMI	Chimion	
CHML	Chimala	
CHMN	Cheshme madani	
CHMR	Chegdomyn	
CHMS	Chumysh	
CHMT	Chamberlain Mountain	
CH-MT	Churchill	
CHMZ	Choma	
CHN	Chinchina	
CHN1	Nanshi	
CHN2	Minshiung	
CHN3	Shinhua	
CHN4	Tsaushan	
CHN5	Tsauling	
CHN6	CHN6	
CHN7	Lioujiau	
CHN8	Yiju	
CHNA	Chernabura Island	
CHNB	Souda	
CHNC	Chino	
CHNG	Los Chungos	
CHNM	Channel	
CHO	Chosi	
CHO1	Chosi	
CHOC		
CHOI	Coyote Hollow	
CHOJ	Chosi	
CHOM	Cayeli-Rize	
CHON	CHONE	
CHOR	Cabbage Hill	
CHOR3	La Chorrera	
CHOS	Chios island	
CHOYA	Hojancha, HOJA	
CHP	Chuchupate	
CHP1	Pelados	
CHP2	Corcovado	
CHP3	Chocan	
CHP4	Algarobillo	
CHP5	Huaypira	
CHP7	Eten	
CHP8	Chiclayo	
CHPA	Chiripa	
CHPI	Pichilemu	
CHPM	Chiautla de Tapia	
CHPO	Chepo, Panama	
CHQ	Charlesbourg	
CHR	Christchurch	
CHRG	Chargali	
CHRH	School, W of Chirchemesc	
CHRM	Charleston	
CHRN	Cochrane	
CHRO	Chalk River	
CHRS	Christianenhaus	
CHRT	Chiangrai	
CHRU	Chernivtsi	
CHRV	Charvak	
CHRY	Calls Hollow Road	
CHS	Chusal	
CHSA	Colony High School	
CHSH	Refugio Sur-Volc¡n Chimborazo	
CHST	Chistovodnoe	
CHT	Chittagong	
CHT1	Chitral	
CHTH	Charan	
CHTJ	Chita	
CHTL	Chitral	
CHTN	Church Hills	
CHTO	Chiang Mai	
CHU	Chur	
CHUD	Chudeng	
CHUE	Retiro	
CHUH	Cerro de Hula	
CHUJ	Union Juarez	
CHUK	Chukha	
CHUM	Lake Minchumina	
CHUN	Chunya	
CHUQ	Chuquichambi	
CHUS	Chupsang	
CHV	Chiavari	
CHV1	Chavriata, Kefallonia	
CHVC	Chvalec	
CHVG	Ch'k'valeri	
CHVK	Chauvay	
CHVM	Chichinautzin	
CHW	Chowiet Island	
CHWO	Cooper Hollow Wildlife Area	
CHX	Chaix Hills	
CHY	Chiayi	
CHYB	Chungyang	
CHZ	Chorzow	
CHZP	Chorzow	
CI-	Clintwood	CI-VA
CIA	Chichaoua	
CIAC	Catalina I. Airport	
CIB	Cedar Butte	
CIBA1	Ibague, SGC	
CIBOR	Castaar de Ibor, Cceres	
CICH	Cipreses	
CICN	Ciocanesti	
CICO	Icod de los Vinos	
CICP	Calayan Island, Cagayan	
CIDE	Kastamonu/Cide-Merkez	
CIEL	Dossenheim-sur-Zinsel	
CIFT	Cifteler, Eskisehir	
CIGN	Sant'Elia a Pianisi	
CIGS	Centro de Investigaciones Geotecnicas	
CIHU	Emiliano Zapata	
CII	Carovilli	
CIM	Chimachoy	
CIMA	Civitanova Marche	
CIMO	Cimolais	
CIN	Cine	
CING	Cingoli	
CINR	Cinarcik Cinnet	
CIO	Camerino	
CIOR	Ciorogarla	
CIP	Cipolletti	
CIPM	Puebla	
CIQ	Chicoutimi	
CIR	Chiredzi	
CIRC	Crculo Militar	
CIREY	Cirey Neuves-Granges	
CIRL	Cave In Rock	
CIRO	Champorcher	
CIRR	Tsirk	
CIS	Catalina Island Airport, Avalon	
CISC	Cisc	
CISCH	FORIO D' ISCHIA	
CISI	Cisompet, Garut	
CIT	Chita	
CIU	Catalina Island	
CI-VA	Clintwood	
CIVI	Edificio de Ingeniera Civil	
CIVM	Cilcuayo	
CIW	Santa Catalina Island West	
CIZ	Chatham Islands	
CJA	Chijiwa	
CJD	Chujado	
CJDB	Chunjangdae	
CJED	Jedey, El Paso, La Palma	
CJM	Chamela	
CJR	Cluj-Napoca	
CJR1	Cluj-Napoca	
CJSR	Ain Djasser	
CJUL	El Julan, El Hierro	
CJV	Casa Juvan	
CJVM	Cuajimalpa	
CJW	Canyon Junction	
CK-	Cache Creek	CK-BC
CK00	CEPHALONIA KOUTAVOS	
CK06	CEPHALONIA KOUTAVOS 6	
CK15	CEPHALONIA KOUTAVOS 15	
CK40	CEPHALONIA KOUTAVOS 40	
CK83	CEPHALONIA KOUTAVOS 83	
CKA	Chakrata	
CK-BC	Cache Creek	
CKC	Cook Canyon	
CKE	Keswick	
CKFL	Kef-Lekhel	
CKGRV	CKGRV	
CKH	Chokchoi	
CKHR	Kef el Ahmar	
CKHZ	Cape Kidnappers	
CKI	Cairo Montenotte	
CKK	Chekok	
CKL	Chakachamna Lake	
CKLZ	Chkalov	
CKM	Coopers Lake	
CKN	Chakachatna North	
CKO	Chalk River	
CKP	Chanarkot	
CKR	Christmas Creek	
CKRC	Cesky Krumlov	
CKRK	Yozgat, Cekerek-Merkez	
CKT	Bend	
CKTS	El Kantara	
CKVB	Chieng Khoang	
CKWL	Crookwell	
CKWP	CEPHALONIA KOUTAVOS FF	
CL-	Challis	CL-ID
CL01	CL01	
CL02	CL02	
CL03	CL03	
CL04	CL04	
CL05	CL05	
CL1	Del Valle	CDVM
CL1S	Chul'man	
CL2	Mines Road	CMNM
CLA	Chala	
CLA1	Claut1	
CLAB	ClautB	
CLAF	Gruissan	
CLAJ	Vilaflor (Tenerife)	
CLAN	Lanzarote	
CLAP	Shields Creek	
CLAR	Clarkstown	
CLARA	Aguas Claras	
CLAW	Mount Claude	
CLB	Chilbolton	
CLC	China Lake	
CLCB	Lake Chabot	
CLCH	Cerro Calan	
CLCM	Lake Chabot	LKC
CLCO	Concord Point, Cleveland Volcano	
CLCV	CALICANTO	
CLD	Caldera	
CLDB	Colider	
CLDR	Caldiran	
CLE	Cleveland	
CLEO	Cleveland Museum of Natural History	
CLES	Cleveland East, Cleveland Volcano	
CLEV	Clevilliers	
CLF	Chambon-Foret	
CLG	Cologne	
CLGH	Cloghs, Cushendall	
CLH	Cheltenham	
CLI	Colonesti	
CLI2	Calipatria 2	
CLIC	Calipatria	
CL-ID	Challis	
CLIM	Miraflores	
CLIN	Clinton	
CLIR	CLINCENI	
CLISU	ISU Calarasi	
CLJI	Cilicap	
CLK	Chileka	
CLKR	Crowley Lake	
CLL	Collm	
CLLA	Los LLanos de Aridane, La Palma	
CLLI	Llivia	
CLLN	Colliano	
CLLP	Cerrillos	
CLM	Coleman	
CLMC	Lago Colima	
CLMF	riteuil-la-Magdeleine - 16116 - Charente - France	
CLMT	Clear Creek, Montana	
CLN	Carlsbad	
CLN2	Carlsbad 2	
CLN4	Carlsbad 4	
CLN6	Carlsbad 6	
CLN7	Carlsbad 7	
CLNB	Carlsbad	
CLNS	Chul'man	
CLNZ	Clenze	
CLO	Closani	
CLOB	Isla de Lobos, Fuerteventura	
CLP	Clara Peak	
CLPO	Centennial Lake Park	
CLPS	Cantalupo del Sannio	
CLR	Collurania	
CLRN	Clyde River	
CLRS	Cowichan Lake Research St	
CLS	Calistoga	
CLS1	Calarasi	
CLSB	Cack Lake	
CLT	Charlottesville	
CLT3	Calitri	
CLTA	Licata	
CLTB	Caltabellotta	
CLTC	Calectric	
CLTN	Cedars of Lebanon	
CLTR	Calitri	
CLU	Cluj	
CLUB	Club Campestre	
CLUD	Cludinico	
CLUM	San Bartolome de Tirajana (Gran Canaria)	
CLV	Cleve	
CLVB	Cleveland Dam	
CLVN	Colville Lake	
CLVV	Chieng Lao	
CLW	Colville	
CLWO	Collingwood	
CLX	Calx Mountain	
CLY	Crystal Lake	
CLZ	Clausthal	
CM01	Chiang Mai Array Site 1	
CM02	Chiang Mai Array Site 2	
CM02E	CM02E	
CM03	Chiang Mai Array Site 3	
CM03E	CM03E	
CM04	Chiang Mai Array Site 4	
CM05	Chiang Mai Array Site 5	
CM05E	CM05E	
CM06	Chiang Mai Array Site 6	
CM07	Chiang Mai Array Site 7	
CM08	Chiang Mai Array Site 8	
CM08E	CM08E	
CM09	Chiang Mai Array Site 9	
CM1	Central Minnesota Array	
CM10	Chiang Mai Array Site 10	
CM11	Chiang Mai Array Site 11	
CM12	Chiang Mai Array Site 12	
CM13	Chiang Mai Array Site 13	
CM14	Chiang Mai Array Site 14	
CM15	Chiang Mai Array Site 15	
CM16	Chiang Mai Array Site 16	CMAR
CM17	Chiang Mai Array Site 17	
CM18	Chiang Mai Array Site 18	
CM2	Central Minnesota Array	
CM3	Central Minnesota Array	
CM31	Chiang Mai Array Site 31	
CM32	Chiang Mai Array Site 32	
CM33	Chiang Mai Array Site 33	
CM34	Chiang Mai Array Site 34	
CM35	Chiang Mai Array Site 35	
CM36	Chiang Mai Array Site 36	
CM4	Central Minnesota Array	
CM5	Central Minnesota Array	
CM6	Central Minnesota Array	
CM6*	Campone	
CMA	Clear Mews	
CMA1	Manaccan	
CMAH	Djebel Manchoura	
CMAI	Chiengmai2	
CMAN	Manuel Antonio, MAN	
CMAN1	Manizales, Caldas	
CMAQ	Casa Mquinas	
CMAR	Chiang Mai Array Beam Reference Point	
CMARA	Lajas Hojancha	
CMARB	Playa Azul, MARB	
CMARE	MARE	
CMAS	Mas de Barberans	
CMAT	Matapalo, MAT	
CMAZ	Villa de Mazo, La Palma	
CMB	Columbia College	
CMBC	Cumbal	
CMBN	Cumberland Camp Nunavut	
CMBO	Columbo, Santorini Isl.	
CMBY	CAMPBELL BAY	
CMC	Coppermine	
CMC01	Camacan, BA	
CMCH	Combarbala	
CMCL	Mercadel, El Hierro	
CMCM	Mills College	
CMCO	Colorado Mnmt	
CMCZ	Cairnmuir Mts	
CMDO	Montedoro	
CMDR	Camlidere-ANKARA	
CME	Menerdue Farm	
CMEN	Mentor	
CMER	Merouana	
CMET	Nicosia	
CMF	Cannet Maures	
CMG	La Cumbre	
CMG2	La Cumbre 2	
CMGA	Chestnut Mountain	
CMH	Chemehuevi Mountains	
CMHM	Mt Hamilton Road	MHR
CMHS	Cashmere	
CMI	Centennial Mountain	
CMIG	Matias Romero	
CMIR	El Paso, La Palma	
CMIS	Campi Flegrei Capo Miseno Bacoli (NA) Italy	
CMJ	Castle Mountains	
CMJI	Cimerak	
CMJM	Mission San Jose	MSJ
CML	Cha da Macela	
CMLA	Cha da Macela	
CMLM	Mount Lewis	
CMMM	Mount Mocho	
CMMT	Chiang Mai	
CMN	Crown Mine	
CMNM	Mines Road	
CMNY	Cheesecote Mountain, Pomona, NY	
CMO	College--Fairbanks	
CMO6E	CMO6E	
CMOB	Morgan Territory	
CMOM	Morgan Territory	MTC
CMON	Montserrat	
CMORA	Tapias, MORA	
CMP	Campulung	
CMP1	Campulung	
CMP3	Campagna	
CMPA		
CMPB	Campos	
CMPM	Mikes Peak	
CMPN	Campana	
CMPO	Campotto Po	
CMPR	Campora	
CMR	Camerino	
CMRD	Camardi-Nigde	
CMRM	Mines Road	MNR
CMRN	Camerino	
CMRS	Pozzuoli	
CMS	Cobar Meteorology Station	
CMSA	Cobar Meteorology Station	
CMSB	University of California Stadium	
CMSN	Campi Flegrei Monte S.Angelo, Napoli (NA), Italy	
CMT	Clancy	
CMTL	MTL	
CMTX	Cooper Mountain	
CMU	Cedar Mountain	
CMW	Cultus Mountains	
CMWZ	Cape Campbell	
CMX	Colima	COLM
CMZ	Cashmere	
CN-	Cornell	CN-WS
CN01	Coaracy Nunes - AP	
CN03	CN03	
CN05	CN05	
CN07	CN07	
CN1H	Cairns Hard Rock	
CN2	Changchun	
CN2S	Cairns Soft Rock	
CNA	Cantwell	
CNA27	Comision Nacional del Agua 27	
CNAEN	Presa Emilio Lopez Z.	
CNALG	Represo Algodones	
CNAO	La Restinga, El Hierro	
CNAR	Naranjo, NAR	
CNAS	Canas	
CNATJ	Tijuana	
CNATK	Presa El Carrizo, Tecate	
CNAZ3	Canazas, Veraguas	
CNB	Canberra Magnetic Observatory	
CNBA	Chernabura Island	
CNC	Concord--Diablo Valley College	
CNCB	Chanca	
CNCH	Conchagua	
CNCI	Crows Nest Canyon	
CNCM	Norris Canyon Road	
CNCO	Chanco	
CNCR	Cernica	
CNCS	Concesio	
CNCY	Coyoacan	
CND	Currant	
CNDF	Condofuri	
CNE	Childress 2	
CNF	Cerre-les-Noroy	
CNG	Changalane	
CNG6	Santa Emilia	
CNGN	Cerro Negro	
CNGR	Negrine	
CNGZ	Carnagh Station	
CNH	Changchun	

Code	Station Name	Other
CNI	Changuinola	
CNI2	El Empalme, Bocas del Toro	
CNIC	Niles Canyon	
CNIL	Conil	
CNIS	Campi Flegrei Nisida, Napoli (NA), Italy	
CNJ	Catfish Pond	
CNJI	Cibinong	
CNK	Concordia	
CNKL	anakkale-Merkez-narl	
CNL	Connel	
CNLB	Canela	
CNM	Chama	
CNN	Cincinnati	
CNNC	Cliffs of the Neuse	
CNO	Childress 3	
CNOCA	NORCASIA, CALDAS	
CNOP	Candoni, Negros Occidental, Philippines	
CNOR	Icod de los Vinos, Tenerife	
CNP	Catarman	
CNPM	China Poot	
CNQ	Baie Comeau	
CNR	Chonco	
CNRM	Centro Nacional de Registro (CNR) San Miguel	
CNRN	Canarana	
CNRT	Cenerente	
CNS	Constantine	
CNS1	Cairns-h seis/acc	
CNSH	ChangSha	
CNT	Guangzhou	GZH
CNTA3	Canitas, Panama	
CNTC	Contact Creek	
CNTN	Cantiano	
CNTO	Contao	
CNTR	San Joaquim	
CNU	Chengdu	CDU
CNV	Corbin	CBN
CNVL	Nueva Leon, NVL	
CNW	Childress 4	
CN-WS	Cornell	
CNY	City College NY	
CNZ	Chateau	
CO-	Colome	CO-SD
CO01	Juntas del Toro	
CO02	Combarbal	
CO03	El Pedregal	
CO04	Los Peladeros	
CO05	La Serena	
CO06	Fray Jorge	
CO2	Coxcomb Mountains 2	
CO22	Cocozzello	
COA	Coachella	
COAL	Corum-Alaca	
COAS	Coatepeque	
COAT	Oued Athmania	
COAV	Cumanacoa	
COB	Cobb River	
COB3		
COBO	Cobden	
COBQ	Cobquecura	
COBR	COOCHBEHAR	
COBS	Casablanca	
COBT	Iskenderun	
COC	Colombo	
COCH	Cobquecura	
COCO	West Island	
COCR	Colorado	
COD	South Dennis	
CODC	Agustn Codazzi, Colombia	
CODE	Correggio	
CODG	Codroy Newfoundland	
CODM	Codolo	
COE	Coe Ranch	
COEB	Comit de Emergencia de Berln	
COEG	Centro de Operaciones de Emergencia de Guadalupe	
COEN	Coen	
COFF	Manyatta Coffee Estate	
COFN	Cofrada	
COH	Cochiti	
COHC	Cochancay	
COI	Coimbra	
COIG	Colima	
COIM	Forte Coimbra	
COIS	El Sosneado	
COJ	Choshi	
COK	Cook Ranch	
COK2	Cook Ranch 2	
COKM	Charter Oak	
COKN	Cook Lake	
COL	College Outpost	
COL3	Colliano	
COLA	College	
COLB	Campi Flegrei Monte Olibano Pozzuoli(NA) Italy	
COLC	Colonia	
COLD	Coldfoot	
COLF	Collangettes	
COLI	Coloredo	
COLK	Krashen	
COLL	Andarivi	
COLM	Colima	
COLN	Colon	
COLO	COLO	
COLR	Columbus	
COLS	Colinas	
COLT	Colton High School	
COLW	Colter Canyon	
COM	Comitan	
COM2	Comitan 2	
COMA	Comala	
COMI	Craters of Moon	
COMIL	Quito-Colegio Militar	
COMMX	Bataquez, COM	
COMT	Copper Creek	
COMU	Canakkale	
CON	Concepcion	
CON01	Conthey, Agroscope, VS	
CONA	Conrad Observatory	
CONC	Concepcion	
COND	Playa Hermosa, COND	
CONDC	Vda. Josepe, COND	
CONE	Cono NE Rev Volc	
CONN	Concepcion	
CONS	Constitucion	
CONV	Coconuco	
CONY	Cobleskill	
COO	Cooney Tunnel	
COOC	Compton	
COOL	Coolgardie	
COP	Copenhagen	
COPA	Copaceanca	
COPE	Corleto Perticara	
COPM	Copeton	
COPN	Copaltepe	
COQ	Corona Quarry	
COQB	Coquitlam Dam	
COR	Corvallis	
COR01	UHE Corumb¡	
COR1	Corinaldo	
COR2	Caldas Novas	
CORC	Orchilla, El Hierro	
CORF	Corte	
CORG	Organya	
CORI	Orista	
CORI1	Corrigin	
CORI2	Corrigin	
CORK	Cork	
CORL	Corleone	
CORM	Corum	
CORN	Cornellia Hill	
CORO	Coronation Park	
CORON	Coronado	
CORR	San Possidonio	
CORRE	Terra Adelie	
CORT	El Cortezo, Los Santos	
CORX	Isla Coronado	
CORZ	Corozal	
COS	Cosiguina	
CO-SD	Colome	
COSF	Comisariato del Ejercito Sur - Quito	
COSM	Mount Oso	
COSP	Cold Spring	
COSR	Cosmesti PH	
COT	Chocolate Mountains	
COTA	Cotacachi	
COTE	Lago Cote	
COTN	Columbia	
COTR	Cottonwood	
COUR	Fili	
COV	Colchester	
COV1	Cotopaxi Volc	
COVE	Coope Vega, San Carlos, Alajuela	
COVM	Coyoacan	
COVR	Voineasa-Covasna	
COVZ	Chateau Observatory	
COW	Cow Castle Creek	
COWI	Conover	
COWN	Contwyoto Lake 2	
COWO	College of Wooster	
COXM	Coxim-MS Brazil	
COY	Coyote Mountain	
COYC	Coyhaique	
COYCI	COY	
COYO	Coyolito	
COZ	Cozia	
CP-	Campo	CP-CL
CP01	Capitignano Campo Calcio	
CP02	Capitignano, via della Repubblica	
CP04	Capitignano, Mopolino alta	
CP05	Capitignano, via di Sopra	
CP06	Capitignano, Paterno campo sportivo	
CP07	Capitignano Paganica asilo nido	
CP2	Crater Peak Two	
CPA	Chapri	
CPAL	Palau Saverdera	
CPAM	Crater Peak Alternate	
CPAN	Cartago Paso Ancho	
CPAS1	Pasto	
CPAS2	Pasto	
CPB	Codrington	
CPBX	Cerro Prieto	
CPC	Cherry Point	
CPCA	Capracotta	
CPCH	Copiapo	
CP-CL	Campo	
CPCO	Central Pumice Cone, Newberry	
CPCT	Cooper Cave	
CPD	Cerro la Pandura	
CPDB	Cerro Pandura	
CPE	Camp Elliot	
CPE1	Sorrento Valley	
CPE2	Ejido Nueno Leon	
CPGN	Carpegna, Italy	
CPH	Captain Cook	
CPI	Crown Point	
CPI2	Carpinone	
CPIM	Pinole Ridge	
CPIN	PIN	
CPIR3	Boqueroncito, PIR3	
CPIS	Campi Flegrei Pisciarelli Agnano(NA) Italy	
CPK	Cone Peak	
CPKM	Crater Peak Rim	
CPL	Chaplin	
CPLB	Carmanah Point Lighthouse	
CPLM	Palomares Road	
CPM	Copper Mountain	
CPMI	Catarata Coopelesca	
CPMM	Point Molate	
CPMP	Pompei	
CPMW	Chitipa	
CPN	CP-17	
CPN1	Cerro Paranal	
CPNM	Pleasanton	
CPNMX	Hidalgo, CPN	
CPNY	Central Park	
CPO	Cumberland Plateau	
CPO5	Cumberland Plat.	CPOT
CPOH	Chaparral Prairie Nature Preserve	
CPOMX	La Puerta, CPO	
CPOP	Guacas, POP	
CPOP2	Popayan, Invias	
CPOP3	Popayan, Sena	
CPOP5	Popayan, Gabriela Mistral	
CPOT	Cumberland Plateau	
CPOT2	Potrerillos Abajo, POT2	
CPOZ	Campi Flegrei, Pozzuoli harbour, (NA) Italy	
CPP	Copiapo	
CPPC	Cal Poly Pomona	
CPR	Cape Romanzof	
CPRO	PRO	
CPRS	Casa Presidencial	
CPRS1	PRS1	
CPRT	Copper Ridge	
CPRX	Cap Rock	
CPS	Cap Spartel	
CPSB	Cacapava Do Sul	
CPSMX	Ejido Zacamoto, CPS	
CP-SO	Cumberland Plateau Observatory	
CPT	Camp Pendleton	
CPTB	Punta Banda, PTB	
CPTM	Cactus Peak West	
CPTP	Pietraperzia	
CPU	Coon Peak	
CPUN	Puntallana, La Palma	
CPUP	Villa Florida	
CPV	Cappella Vecchia, Vesuvio (NA), Italy	
CPVI	La Orotava (Tenerife)	
CPW	Capitol Peak	
CPWZ	Castlepoint	
CPX	CP-1	
CPXM	Mount Cotopaxi	
CPY	CP-1	
CPZ	Penzance	
CQ-NV	Caliente	
CR-	Crete	CR-NB
CR1	Chicoasen 1	
CR12B	CR12B	
CR139	OBS 139	
CR140	OBS 140	
CR141	OBS 141	
CR14S	OBS 14S	
CR15	OBS 15	
CR16	OBS 16	
CR18	OBS 18	
CR193	OBS 193	
CR194	OBS 194	
CR195	OBS 195	
CR196	OBS 196	
CR198	OBS 198	
CR199	OBS 199	
CR19S	OBS 19S	
CR2	Chicoasen 2	
CR20	OBS 20	
CR200	OBS 200	
CR202	OBS 202	
CR203	OBS 203	
CR204	OBS 204	
CR205	OBS 205	
CR207	OBS 207	
CR208	OBS 208	
CR209	OBS 209	
CR21	OBS 21	
CR210	OBS 210	
CR211	OBS 211	
CR212	OBS 212	
CR2G	Gallina	
CR2NB	Crete	
CR3	Chicoasen 3	
CR301	OBS 301	
CR302	OBS 302	
CR303	OBS 303	
CR304	OBS 304	
CR306	OBS 306	
CR308	OBS 308	
CR310	OBS 310	
CR311	OBS 311	
CR312	OBS 312	
CR313	OBS 313	
CR314	OBS 314	
CR315	OBS 315	
CR317	OBS 317	
CR318	OBS 318	
CR319	OBS 319	
CR320	OBS 320	
CR321	OBS 321	
CR322	OBS 322	
CR323	OBS 323	
CR38	OBS 38	
CR39	OBS 39	
CR4	Chicoasen 4	
CR40	OBS 40	
CR41	OBS 41	
CR42	OBS 42	
CR5	Chicoasen 5	
CR6	Chicoasen 6	
CR7	Chicoasen 7	
CRA	Chernovtsy	
CRAC	Craco	
CRAG	Craig	
CRAI	Chiangrai	
CRAIL	Swartwater, Limpopo	
CRAJ	Montana Rajada	
CRAM	San Ramon	
CRAN	Arlington	
CRAR	CRAIOVA	
CRAS	Crastes	
CRB	Chernovtsy (B)	
CRBI	Circular Butte	
CRC	Castle Rock	
CRCA	Reggio Calabria	
CRCH	Chaqaral	
CRCV	Corcovado	
CRD	Cavedale Road	
CRDM	Cardoso	
CRE	Caprese Michel	
CREA	Los Realejos, Tenerife	
CREF	Crivoux	
CRES	C@19res@19njevec Ostr	
CRF	Corfu	
CRG	Carmichael	
CRGC	Crocker Grade	
CRH	Carson Hill	
CRHA	Rehia	
CRHG	Carthage	
CRHM	Round Hill Res.	
CRI	Mount Carmel	
CRI1	Crix¡s, GO	
CRIB	Cristalandia	
CRID	Crittenden County--Downhole	
CRIG	Cruz Grande	
CRIN	San Cristobal	
CRIS	Crittenden County--Surface	
CRIS3	El Cristo, Cocle	
CRISS	CRISS	
CRJA	Costa Raja	
CRJC	Cerrejon, Guajira, Colombia	
CRL	Carloforte	
CRLN	Carolina, Mapumalanga, South Africa	
CRLO	Chalk River	
CRLP	Rancho las Palomas, RLP	
CRLT	Corlu	
CRLZ	Canterbury Laser	
CRM	Caravelle	
CRM1	Catelraimondo	
CRMI	Carmignano	
CRMT	Chrome Mountain	
CRN	Corinaldo	
CR-NB	Crete	
CRNC	Corona	
CRND	Cornuda	
CRNF	Coron - 49109 - Maine-et-Loire - France	
CRNM	Carthage	
CRNS	Crni Vrh	
CRNY	Cross River	
CRO	Carnasaw Mountain Lookout Tower	
CROCE	Santa Croce Camerino	
CROG	Croghan	
CROK	Carrier	
CROM	Garafia, La Palma	
CRON	Casa Elias Gonzalez en Calderon	
CROR	Criterion Ridge	
CROSA	EL ROSAL, CUNDINAMARCA	
CRP	Crater Peak	
CRPB	Russellman Park	
CRPC	Caltech Rob'n Pit	
CRPG	Carapungo - Pichincha	
CRPM	Russellman Park	
CRPO	Crater poas	
CRPR	Cabo Rojo, PR	
CRQ	Rosemanowes	
CRQ2	Rosemanowes 2	
CRQB	Carquinez Bridge	
CRQE	Cirque	
CRQM	Cirque	
CRR	Carrizo Plain	
CRRB	Carira, Sergipe, Brazil	
CRS	Chara	
CRSE	RSE	
CRSM	Crissiumal (Brazil)	
CRSP	Cerreto di Spoleto	
CRST	La Restinga, El Hierro	
CRT	Cartuja	
CRTC	Cartoceto	
CRTN	Comb Ridge	
CRTO	Cratere Ovest, Vesuvio (NA), Italy	
CRTR	Masoko	
CRU	Crutchfield	
CRUC	La Cruz	
CRUN	El Crucero	
CRUP	Sandillal	
CRUV	Carupano	
CRUX	Bergwerk Schwarze Crux	
CRUZ	CRUZ	
CRV	Caraveli	
CRVI	Carovilli	
CRVS	Cervenica-Dubnik	
CRW	Hotel Crowe Plaza	
CRWM	Crown Mines	
CRX	Cerrillo	
CRY	Cary Ranch	
CRZ	Cape Reinga	
CRZ1	La Cruz	
CRZC	La Cruz	
CRZF	Crozet Islands	
CS-	Crossville	CS-TN
CS01	CS01	
CS02	CS02	
CS03	CS03	
CS04	CS04	
CS05	CS05	
CS06	CS06	
CS07	CS07	
CS08	CS08	
CS6B	Jaguaretama	
CSA	Cape Sarichef	
CSA1	St Austell	
CSAM	Sandia	
CSAN		
CSARO	SARO	
CSAV	SAV	
CSB	Colonia Sabana	
CSBL	SBL	
CSC	Columbia	SVC
CSC2	Cosenza castello	
CSCAL	CAL	
CSCL	Casacalenda	
CSCM	Silver Creek	SVC
CSCO	Clark State Community College	
CSCY	SCY	
CSD	Chor-Sady	
CSDB	Cheongsando	
CSDOM	Dominical, DOM	
CSE	Childress 5	
CSEK	Colegio internacional SEK los valles, Yaniza Rapata, Cumbaya, Quito, Ecuador	
CSEN	Crystal Springs Elementary School	
CSF	Scaffel	
CSFT	Campi Flegrei Solfatara Pozzuoli (NA) Italy	
CSG	Childs Glacier	
CSG3	Toppo Di Castelgrande (Osservatorio	

	Astronomico)	
CSGA	SGA	
CSGN	Cosiguina Volcano	
CSGS	Sigus	
CSH	California State, Hayward	
CSHM	Cal. St., Hayward	CSH
CSHS	Castle Hill	
CSI	Cassano Ionio	
CSIG	Choix	
CSIL	Creal Springs	
CSJ	Cape San Juan	
CSKK	Cskako	
CSL	Crestline	
CSLB	Castelbuono	
CSLM	San Leandro Hills	
CSLP	San Luis Potosi, SLP	
CSM	Casamicciola	
CSMI	Casera Mimoias	
CSN	Chicoasen	
CSN1	Caspian	
CSNA	Conrad Observatory	
CSNI	SNI	
CSNT	Castellina Chianti	
CSO	Casso	
CSO1	Carsoli	
CSOB	Campi Flegrei Solfatara Bordo Est (NA) Italy	
CSOL	CASCOL	
CSOMX	Hidalgo, CSO	
CSON	Sonora, SON	
CSOR	Sort	
CSP	Cedar Springs	
CSP1	Cessapalombo	
CSPM	San Pablo Ridge	
CSPT	Cold Springs	
CSR	Chase Ranch	
CSRY	Cold Spring River	
CSS	Mathiatis	
CSS01	OBS SS01	
CSS02	OBS SS02	
CSS03	OBS SS03	
CSS10	OBS SS10	
CSS12	OBS SS12	
CSS14	OBS SS14	
CSS15	OBS SS15	
CSS16	OBS SS16	
CSS17	OBS SS17	
CSS18	OBS SS18	
CSS20	OBS SS20	
CSS21	OBS SS21	
CSSM	Coso Springs South	
CSSN	Cassano Irpino	
CST	Castrovirreyna	
CST1	Stithians	
CSTH	Campi Flegrei Tennis Hotel, Pozzuoli (NA), Italy	
CSTJ	Casr Tuba	
CSTL	Corral Hollow	
CS-TN	Crossville	
CSTR	Hydro, Custer County	
CSU	Charleston Southern University	
CSU1	Sunol Dilatometer	
CSV	Casigua	
CSVA	Savegre Abajo, SVA	
CSVM	Stone Valley	
CSVS	Castel Viscardo	
CSW	Childress 6	
CSY	Casey Station	
CSZ	Casera Razzo	
CT-	Clayton	CT-OK
CTA	Charters Towers	
CTAB	Cerro Tablazo, Cundinamarca	
CTAC	Tacoron (Frontera - El Hierro)	
CTAD	Las Tabladas, Isla de El Hierro	
CTAK	Corum_Osmancik	
CTAM	Taylor	
CTAN	El Hierro	
CTAO	Charters Towers	CTA
CTAS	Cauta	
CTAU	Tausa, Cundinamarca	
CTB	Cotabato	
CTBH	Cotabato--PC Hill	
CTBM	Cataract Bedrock	
CTBN	Caleta Bueno	
CTC	Chetwynd	
CTCC	Cactus City	
CTCH	Constitucion	
CTCHA	Tamokra	
CTCR	Cotoan	
CTCT	Mason Hall	
CTD	Catalina Dam	
CTDM	Cataract Dam	
CTEI	Djebel Teioualt	
CTEN	Fuencaliente, La Palma	
CTFE	Tenerife	
CTFL	Taylor Farm	
CTFS	San Miguel de Abona, Tenerife	
CTG	Chitna Glacier	
CTGD	Timgad	
CTGM	Chitina Glacier	
CTHA	Thorn Acres	
CTHM	Terry Harris R'ch	
CTI	Castel Tesino	
CTIG	El Hierro	
CTIK	Konya-Celtik	
CTIM	Tinajo, Isla de Lanzarote	
CTISU	Constanta	
CTJI	Waduk Cacaban	
CTK	Catak	
CTKS	Kestanelik-??atalca	
CTKT	Corum	
CTL8	Castelleone	
CTLM	Tesla Road	
CTLN	Castor Lake	
CTLX	Tlaxcala, TLX	
CTM	Castle Mountain	
CTN	Crete	
CTND	Kirwee	
CTNS	Casa Tonetto Surface	
CTNY	Carthage	
CTO	Cape Town	
CT-OK	Clayton	
CTOM	Thompson	
CTP	Catapilco	
CTR	Castle Rock	
CTRE	Tremp	
CTRM	Tremp	
CTRO	CASTRO	
CTS	Cactus Peak	
CTT	Catalca	
CTTX	Catalca	
CTU	Camp Tracy	
CTUM2	Tumaco	
CTUMA	Tumaco, Batallon	
CTUR	TUR	
CTUV	Llano Grande	
CTV	Charlottesville	
CTVM	Cuauhtemoc	
CTVN	Chua Tram	
CTW	Cottonwood Mountains	
CTYL	Yalikoy Yolu	
CTZ	Chatham Island	
CU-	Currant	CU-NV
CUALT	Altinyayla-SIVAS	
CUAYA	Sivas-Altinyayla-Merkez	
CUB	Curvelandia - Mato Grosso, Brazil	
CUBY	Cutbertbay	
CUC	Castrocucco	
CUD	Cuddapah	
CUET	Cent US Eq Cons	
CUEV	Cuervo	
CUG	Cuglieri	
CUGUR	Gurin_SVAS	
CUI	Cuipilapa	
CUIC	Cuicocha-Domo	
CUIG	Ciudad Universitaria	
CUKAN	kangal_SIVAS	
CUKT	Cukurca	
CUL	Culiacan	
CULB	Culebra	
CUM	Cumana	
CUM07	CUSANO MUTRI	
CUMB	Cumbre	
CUMC	Nevado Cumbal	
CUMV	Cumana_UDO	
CUMY	Casa Hugo Yepes - Cumbaya	
CUN	Columbus	
CUNA	Curaglia	
CUND	Cunda Adasi-Balikesir	
CU-NV	Currant	
CUNY	Queens College	
CUP	Culebra	
CUP2	Cupone	
CUP5	Mexico City	
CUPA	Cupa	
CUPL	Choutuppal	
CUPM	Cuyoaco	
CUPR	Culebra, Puerto Rico	
CUPV	Cu@15pira	
CUR	Chagan-Uzun	
CURA	Stauanlage Cunera	
CURI	Cinco Dias	
CURIE	Paris	
CURV	Curarigua	
CURVC	Coconuco, CURV	
CUS	Cuzco	
CUS1	Cusmapa	
CUSAR	Sarkisla-SIVAS	
CUSC	Alcaldia de Cuscatancingo	
CUSE	Cuicocha Este	
CUSI	Cussignacco Udine	
CUSS	Cusmapa	
CUSU	Cusua	
CUSW	Cuicocha Oeste	
CUT	Chulitna	
CUTR	Cutro	
CUV	La Culata	
CUYO	Cuyo Island	
CUZAR	Zara_SIVAS	
CV-	Centerville	CV-TN
CV01	Civitella del Tronto, Fortezza	
CV02	Civitella del Tronto, Torrione Porta Napoli	
CV03	Civitella del Tronto, via Salinello	
CV04	Civitella del Tronto, via Roma	
CV05	Civitella del Tronto, via Parnaso	
CV6*	Capo Vaticano	
CVA	Cordova	
CVAL	Veterans Administration Hospital	
CVALL	Valledupar, Cesar	
CVBR1	Brava, Lem	
CVBR2	Brava, Campo Baixo	
CVBV1	Boa Vista, Sal Rei	
CVBV2	Boa Vista, Rabil	
CVBV4	Boa Vista, Sao Jorge	
CVBV5	Boa Vista, Curral Velho	
CVBV6	Boa Vista, Fundo de Figueiras	
CVC	Cholame Valley	
CVD	Cernavoda	
CVD1	Cernavoda-Power Plant	
CVD4	Cernavoda	
CVDA	Cernavoda	
CVE	Cedar Cove	
CVER	Cruz Verde, Cundinamarca	
CVF	Calvi	
CVFG1	Fogo, Sao Filipe	
CVFG2	Fogo, Galinheiro	
CVFG3	Fogo, Fajazinha	
CVFG4	Fogo, Cova Figueira	
CVFG5	Fogo, Monte Grande	
CVH	Cedar City	
CVI	Capo Vaticano	
CVIE	Villa de Mazo, La Palma	
CVIL	Vilaflor	
CVIMO	Finca Echandi	
CVIN	VIN	
CVJ	Coleyville	
CVL	Charlottesville	
CVLM	Vallecito	
CVLQ	Collinsville	
CVM	Colonia del Valle	
CVMA	VMA	
CVMA1	Malo, Calheta	
CVMA2	Malo, Barreiro	
CVMA3	Malo Ribeira D. Joao	
CVMA4	Malo, Cascabulho	
CVN	Calvinia	
CVNA	Calvinia	
CVO	Covasna	
CVP	Callao Caves	
CVPM	Vollmer Peak	
CVQOZ	Cooralya Station, Carnarvon	
CVR	Calaveras Reservoir	
CVRD	Centerville Road, Mineral	
CVRN	Caverna	
CVS	Carmenet Vineyards, Sonoma	
CVSA1	Santo Antao, Paul	
CVSA2	Santo Antao, Ponta do Sol	
CVSA3	Santo Antao, Boca de Curral	
CVSA4	Santo Antao, Ribeira da Cruz	
CVSA5	Santo Antao, Leiro	
CVSA6	Santo Antao, Tarrafal de Monte Trigo	
CVSL1	Sal, Santa Maria	
CVSL2	Sal, Murdeira	
CVSL3	Sal, Pedra Lume	
CVSL4	Sal, Palmeira	
CVSN1	Sao Nicolau, Faja de Baixo	
CVSN2	Sao Nicolau, Palhal	
CVSN3	Sao Nicolau, Ribeira Brava	
CVSN4	Sao Nicolau, Juncalinho	
CVST1	Santiago, Ribeirao Chiqueiro	
CVST2	Santiago, Sao Jorge dos Orgaos	
CVST3	Santiago, Assomada	
CVST4	Santiago, Ribeira da Prata	
CVST5	Santiago, Achada Fazenda	
CVSV1	Sao Vicente, Baia das Gatas	
CVSV2	Sao Vicente, Lazareto	
CVSV3	Sao Vicente, Sao Pedro	
CVSV4	Sao Vicente, Calhau	
CVT	Castelvetrano	
CVTN	Covington	
CV-TN	Centerville	
CVTQ	Turrialba Volcano Quemados	
CVTR	Volcan Turrialba, Cartago	
CVTV	Tajo	
CVV	Charlottesville	CVL
CVVA	Charlottesville	
CVVD	Valverde	
CW-	Conway	CW-AR
CW-AR	Conway	
CWB	Cumshewa	
CWC	Cottonwood Creek, Lone Pine	
CWCR	Coldwater Canyon	
CWF	Charnwood Forest	
CWPT	Cottonwood Point	
CWT	Childress 7	
CWU	Camp Williams	
CWZ	Cowlitz River	
CX-	Craigsville	CX-WV
CXM	Morne La Croix	
CXP	Puebla	
CXUV	Coxquihui	
CX-WV	Craigsville	
CY-	Cheyenne	CY-WY
CY101	RAF Akrotiri, Cyprus, Site CY101	
CY201	RAF Akrotiri, Cyprus, Site CY201	
CY301	RAF Akrotiri, Cyprus, Site CY301	
CY302	RAF Akrotiri, Cyprus, Site CY302	
CY303	RAF Akrotiri, Cyprus, Site CY303	
CY304	RAF Akrotiri, Cyprus, Site CY304	
CY305	RAF Akrotiri, Cyprus, Site CY305	
CY306	RAF Akrotiri, Cyprus, Site CY306	
CY401	RAF Akrotiri, Cyprus, Site CY401	
CY501	RAF Akrotiri, Cyprus, Site CY501	
CY601	RAF Akrotiri, Cyprus, Site CY601	
CY602	RAF Akrotiri, Cyprus, Site CY602	
CY603	RAF Akrotiri, Cyprus, Site CY603	
CY604	RAF Akrotiri, Cyprus, Site CY604	
CY605	RAF Akrotiri, Cyprus, Site CY605	
CY606	RAF Akrotiri, Cyprus, Site CY606	
CYA	Choya	
CYBM	Yerba Buena Island	
CYC	Crow Canyon Road	
CYD1	Coyote D'meter	
CYEH	Changyeh	
CYH	Coyote Hills	
CYK	Cape Yakataga	
CYN	Coyotepe	
CYP	Chylin	
CYQE	Coyhaique	
CYT	Cape Yakataga	
CY-WY	Cheyenne	
CYZ	Clyde	
CZ-	Cody	CZ-NB
CZ01	CZ01	
CZ03	CZ03	
CZ04	CZ04	
CZ05	CZ05	
CZ06	CZ06	
CZ07	CZ07	
CZ08	CZ08	
CZ10	CZ10	
CZA	CZA	
CZAR	ZAR	
CZC	Chiapa de Corzo	
CZD	Col de Zad	
CZI	Monte Cocuzzo	
CZL	Cerro Azul	
CZM	Crazy Man Mountain	
CZ-NB	Cody	
CZSB	Cruzeiro do Sul	
CZT	Chizu	
D002	Pieve de Saddi	
D01	D01	
D03A	Wishkah Elem. School, Wishkah	
D03D	Eldon	
D04A	Dobbs Creek Ranch, Lacey	
D04D	Lakebay	
D04E	Lakebay	
D05A	Enumclaw	
D06A	Cle Elum	
D07A	Quincy	
D08A	Wollman Farm, Schrag	
D09	Ejido Nuevo Leon	
D09A	Jones Farm, Ritzville	
D10A	Wagner Farm, Oakesdale	
D11A	Klaveano Farm, Fernwood	
D12	Saltilio Ejido	
D12A	Red Ives Forest Station, Avery	
D13A	Huson	
D14A	Greenough	
D15A	Lincoln	
D16A	Dana Ranch, Cascade	
D17A	Six Diamond Ranch, Ranyesford	
D17K	Noatak River	
D18A	Linhart Farms, Moccasin	
D19A	Cripps Ranch, Grass Range	
D19K	Kuna River	
D1A	Dickey	
D20A	Manuel Ranch, Winnett	
D20K	Etivluk River	
D21A	La Casta Ranch, Jordon	
D22A	Cohagen	
D22K	Ayikyak River	
D23A	Lindsay	
D23K	Nanushuk River	
D24A	Glendive	
D24K	Happy Valley	
D25A	Fairfield	
D25K	Kavik River	
D26A	Manning	
D27A	Center	
D27M	Malcolm River	
D28A	Regan	
D28M	Stokes Point	
D29A	Pettibone, Tappen	
D2A	Dickey	
D30A	Buchanan	
D31A	Mcclaflin, Tower City	
D32A	Dogwood Acres, Gardner	
D32B	Dogwood Acres, Gardner	
D33A	AnnSam, Waubun	
D34A	Park Rapids	
D35A	Remer	
D36A	Goodland	
D37A	Cotton	
D3A	Dickey	
D41A	Chassel	
D46A	Sault St. Marie	
D47A	Chapleau	
D48A	Paudash Township	
D49A	Beulah Township	
D4A	Dickey	
D50	D50	
D50A	G1974 Best Township, ON	
D51	D51	
D51A	Lot 18 Range III Mazenod Township	
D52A	ZEK Kipawa Senerzegues Township	
D53	D53	
D53A	Lac Vacive, Pontiac, Mrc	
D54A	Lac Fusel, La Vallee-de-La-Gatineau	
D55A	Sainte-Anne-du-Lac	
D56A	ZEC Mazanza, Mont-Saint-Michel	
D57A	Chemin Vers le Barrage, Saint-Michel-Des-Saints	
D58A	Chemin du LacGrosbois, Trois-Rives	
D59A	Saint-Raymond	
D5A	Dickey	
D60A	Saint Jean D'Orleans	
D61A	St Aubert, Comte d'Islet	
D62A	Allapoint, Allagash	
D63A	Stockholm	
D6A	Dickey	
DABA	Dabaa	
DABAA	Dabaa2	
DABV	Dabajuro	
DAC	Darwin (Calif)	
DACB	Daecheong-do Republic of korea	
DACP	Dalaguete, Cebu	
DAD	Ankara	
DAF	Dafare	
DAG	Danmarks Havn	
DAGI	Agillar	
DAGMA	Lutertal, Dagmarsellen	
DAH	Dandelion	
DAHO	DHOFAR2 - YR	
DAI	Luda	
DAIG	Los Arroyos	
DAIL	Da Vinci Academy	
DAK	Dakar	
DAKH	Dake	
DAL	Dallas	
DALG	Dalton	
DALK	Dalny	
DALT	Dalyan (Mudla)	
DALY	Dalyan (Mula)	
DAM	Dampier	
DAM1	Diamer-Basha	
DAME	Tendaho Dam	
DAMI1	DAM1	
DAMI2	DAM2	
DAMI3	Safi, DAM3	
DAMV	Damavand	

Code	*Station Name*	*Other*
DAMY	Dhamar	
DAN	Dane	
DANC	Danby, Needles	
DANN	Dangsing	
DANT	Danta di Cadore ARPAV	
DANY	Dannemora	
DAP	Davao	
DAQ	Lac Daran	
DAQU	High School, Debark	
DAR	Darwin	
DAR1	Darband	
DARB		
DARE	Darende-Malatya	
DARN	Darouneh	
DARN1	Methven, DAR1	
DARN2	Eyewell Forest, DAR2	
DARN3	Rolleston	
DARN4	Hororata, DAR4	
DARN5	Prebbleton, DAR5	
DARN6	Burnham, DAR6	
DARN7	Charing Cross, DAR7	
DARN8	Greendale, DAR8	
DARS	Darpas	
DAT	Datca	
DATC	Datca-Mugla	
DAU	Daniels Canyon	
DAV	Davao City (W)	
DAVA	Damuels	
DAVON	Davos	
DAVOS	Davos	
DAVOX	Davos/Dischmatal	
DAW	Hoskins	
DAWS	Dawson Inlet	
DAWY	Dawson	
DAY	Day	
DB2	Double Butte	
DBAD	Bademkaya	
DBAS	Duba	
DBBC	Dabeiba	
DBC	Dubki	
DBCC	Dabeiba, Colombia	
DBCT	Belle View Chopil	
DBD	Des Bee Dove	
DBG	Daneborg	
DBI	Debin	
DBIC	Dimbokro	
DBIS	Malga Bissina	
DBJI	Dramaga	
DBM	Double Mountain	
DBMY	Dunderburg Mountain	
DBN	De Bilt	
DBND	Deoband	
DBNI	Kabupaten Dompu	
DBO	Dodson Butte	
DBOA	Malga Boazzo	
DBOC	Borcka	
DBOG	Casa Diablo	
DBP	Darband	
DBQ	Dubuque	
DBR	Dubrovnik	
DBRK	Dubrovnik	
DBV	Dienbien	
DBY	Dobrovo	
DCA1	Bonanza	
DCA2	Baytree	
DCA3	Cotillion Park	
DCC	Delcommune	
DCD	Diablo Creek	
DCI	Dry Creek	
DCID1	Drake Creek	
DCM	Dugout Coal Mine	
DCMP	DeCamp, California	
DCN	Croghan	
DCO	Combe Farm	
DCOS	Costabrunella	
DCP	Dickinson College	
DCPH	Dipolog City	
DCT	Ducktown	
DCU	Deer Creek Reservoir	
DCZ	Deep Cove	
DDBM	Dartmouth Bedrock	
DDCM	Dartmouth Crest	
DDEM	Demirkent	
DDFL	Dedoflistskaro	
DDI	Dehra Dun	
DDIM	Aydin, Didim	
DDJ	Jaglot	
DDK	Dunsink Observatory	
DDM	Donnelly Dome	
DDMP	Don Marcelino, Davao Occidental, Philippines	
DDN	Dodoni	
DDR	Dodaira	
DDS	Dosso del Sommo	
DEB	Debrecen	
DEBR	School, Debre Zeif	
DEC	Deception Island	
DECC	Green Verdugo Microwave Site, Sunland	
DED	Mersin	
DEEL	Gasfeld	
DEG	La Desirade	
DEGG	Deggingen-Nordalb	
DEGN	Deogaon,Odisha	
DEI	Dent	
DEIG	Demacu	
DEK	Dekalb	
DEL	Delary	
DEL1	Delary	
DELA	Administracion zonal de la Delicia, San Jos Condado, Ponceano, Quito, Ecuador	
DELE	Ethiopian Broadband Seismic Experiment	
DELF	Filadelfia	
DELI	KIRIKKALE	
DELM	Columbus	
DELO	Deloro Mine	
DELX	Delta	
DEMA	Delaware Emergency Management Agency	
DEMI	Demirci	
DEMR	Demre-Antalya	
DEN	Denver	
DENJ	Denville	
DENM	Cayce	
DENT	Denizli	
DEOK	Depew	
DEPR	Deputatskiy	
DER	Derby	
DERS	Karabk-Eskipazar-Dereboslan	
DERT	Derbent	
DES	Desert	
DESA	DESA	
DESE	Dese	
DESF	Desfina	
DESFA	Desfina	
DESMX	Alvarez, DES	
DEV	Deva	
DEV1	Deva	
DEVC	Devers	
DEVR	Zonguldak/Devrek-Atalar	
DEYA	Deyax Mournies Chania	
DF02	SWIR Dragon Fly vent, OBS02	
DF03	SWIR Dragon Fly vent, OBS03	
DF04	SWIR Dragon Fly vent, OBS04	
DF05	SWIR Dragon Fly vent, OBS05	
DF06	SWIR Dragon Fly vent, OBS06	
DF07	SWIR Dragon Fly vent, OBS07	
DF08	SWIR Dragon Fly vent, OBS08	
DF09	SWIR Dragon Fly vent, OBS09	
DF10	SWIR Dragon Fly vent, OBS10	
DF13	SWIR Dragon Fly vent, OBS13	
DF14	SWIR Dragon Fly vent, OBS14	
DF15	SWIR Dragon Fly vent, OBS15	
DF16	SWIR Dragon Fly vent, OBS16	
DF17	SWIR Dragon Fly vent, OBS17	
DF20	SWIR Dragon Fly vent, OBS20	
DF21	SWIR Dragon Fly vent, OBS21	
DF22	SWIR Dragon Fly vent, OBS22	
DF23	SWIR Dragon Fly vent, OBS23	
DFBT	Forest Bistro	
DFBU	Forte Buso	
DFE	Dawson Falls	
DFHS	Darfield	
DFR	Drift River	
DFRA	Djebel Bou Affroun	
DGAR	Diego Garcia	
DGB	zmir	
DGBT	Grand Bay	
DGC	Durango	
DGHA	Donghyang	
DGI	Dorgali Grotta	
DGIU	Malga Giumela	
DGLA	Dongro	
DGMT	Dagmar	
DGN	Dgnorisa	
DGP	Dabrowa Gornicza	
DGPR	DIGLIPUR	
DGR	Domenigoni Valley Reservoir	
DGRG	David-gareji	
DGS	Degeres	
DGT	Duragan	
DGTI	Dogotuki	
DGZ	Jazzator, Altay Republic, Russia	
DH-	Delhi	DH-NY
DHA	Dutch Harbor	
DHAK	Deception Hills	
DHB	Downhole Baldwin Hills	
DHBB	Dhama@18r BB	
DHD	Dharwar	
DHDN	Dehradun	
DHH	Diamond Head	
DHIG	Demacu	
DHJN	Dharan Janob	
DHL1	Dehloran	
DHLJ	Dahal	
DHLQ	Lac-des-Plages	
DHMR	Dhamar	
DHN	Doyle Hill	
DH-NY	Delhi	
DHO	Dhodishal	
DHR	Dhahran	
DHRM	DHARAMSHALA	
DHRN	Dharma Camp	
DHS	Desert Hot Springs	
DHTZ	Dongzhaishan	
DHUB	DHUBRI	
DHV	Doan Hung	
DHW	Dyer Hill	
DHW2	Dyer Hill 2	
DHY	Denali Highway	
DI-	Dillon	DI-MA
DI2B	Dawson Inlet	
DI7	Delta	
DIAC	La Diana	
DIAE	Verdin	
DIAM	Diamantina, MG	
DIB	Dawson Inlet, BC	
DIBR	DIBRUGARH	
DIC		
DICE	Di Chot	
DID	Didima	
DIDI	Didim-Aydin	
DIDY	Didyma	
DIGE	Digdiga	
DIGO	Kars	
DIGR	Digorskoe uzhel'e	
DIKE	Ethiopia-Afar Geoscientific Lithospheric Experiment	
DIKM	Dikmen	
DIL	Dillon Ranch	
DILA	Dilla	
DILR	Dilar	
DIM	Dimitrovgrad	
DI-MA	Dillon	
DIMI	Dimona	
DIMT	Dimitropoulo, Aigialia, West Greece	
DINX	Tingri, Xizang Zizhiqu	
DION	Dionisos Attiki	
DIP	Dipolog	
DIR	Diamond Ranch	
DIV	Divide	
DIVS	Divibare	
DIW	D'Urville Island	
DIX	Grande Dixence	
DIXR	Dixie Hot Springs	
DIY	Diyarbakir	
DIYA	Diyarbakir	
DIYAX	Ethiopian Broadband Seismic Experiment	
DJA	Jakarta	
DJE	Delta Junction E	
DJES	Djerdap	
DJISU	ISU Dolj	
DJJ	Donna J Jenkins	
DJNS	Zahran al Janub	
DJO	Djoy, Khakassia, Russia	
DJOS	Djoyskaya Sosnovka, Khakassia, Russia	
DJR	Jarkent	
DKD	Dar Kodiat	
DKH	Dar Kharkhour	
DKL	Dikili	
DKM	Kilmashogue	
DKNM	Devils Kitchen North	
DKNS	Dickens	
DKP	Demirkopru	
DKSA	Duksan	
DL-	Dell Rapids	DL-SD
DL2	Dalian	
DLA	Delaware (Ont)	
DLAC	Del Amo	
DLAR	Dell	
DLB	Dease Lake	
DLBC	Dease Lake	
DLBQ	Dalbeg	
DLC	Deerlick Creek	
DLDT	Laudat, Dominica	
DLE	Lyons Estate	
DLF	Lyons Farm	
DLFA	Delphi	
DLG	Dolgoi Island	
DLH	Dalhousie	
DLI	Dili	
DLIA	DLIA	
DLIK	Deer Lick Knob, Platina, CA USA	
DLL	Dillingham	
DLM	Delamar Mountains	
DLMC	Delmece	
DLMN	Health center, Dolo Mena	
DLMR	Dylym	
DLMT	Dillon	
DLN	Dalton (NSW)	
DLPL	La Plaine	
DLS	Dallas	
DL-SD	Dell Rapids	
DLT	Dalton	
DLV	T a@11 Lat	
DLVO	T a@11 Lat	
DLVT	Layou Valley	
DLY	Dezadeash Lake	
DMA	Devil Mountain	
DMB	Deadman Bay	
DMCQ	Dolbeau-Mistassini	
DMD	Domodossola	
DMI	Des Moines	
DMK	Demirkoy	
DMLN	Damoulianata-Kefalonia-Greece	
DMMT	Dalton Mountain	
DMN	Daman	
DMNI	Dmanisi	
DMNS	Dmanisi	
DMOL	Mollaro	
DMOR	Dinsmores, CA USA	
DMP	Diadem	
DMPH	Davao City--Mintal	
DMPK	Deadman Peak	
DMPR	Damasthipur	
DMRK	Ethiopian Broadband Seismic Experiment	
DMS	Dublin Merrion Square	
DMT	Demirtas	
DMTO	DMTO	
DMU	Kingscourt	
DMUB	Kingscourt	
DMUR	Murandin	
DMV	Demmitville	
DMW	Delta Microwave	
DNBA	Danbuk	
DND	Dunedin-Penfold	
DNDOZ	Balladonia	
DNG	Daru	
DNGQ	Doongara	
DNH	Durham (NH)	
DNIZ	Denizli-Tavas-Kzlcab¶lk	
DNM	Dulce	
DNN	Dannevirke	
DNOA	Val Noana	
DNP	Denpasar	
DNR	Dunn Ranch,Anza	
DNS	Denniston	
DNSO	Sydney	
DNT	Denton	
DNY	Dersam	
DNZ	Dunedin	
DNZ2	Donuzlav2	
DNZL	Cakiroluk	
DNZT	Denizli-Tavas-Dereaz	
DOB	Doboj	
DOBAM	Dobrich	
DOBD	Dorbid, Yazd	
DOBR	Dobrina	
DOBS	Dobrina	
DOC	Dochia	
DOCA	Reserva Natural Don Carmelo	
DOCH	Thimphu	
DOCK	Docker River	
DOD	Dodoma	
DODA	Doda	
DODM	Dodoma	
DODT	Dodoma, Tanzania	
DODT2	AfricaArray - AF, DODT	
DOETR	Doetra (Olivone)	
DOG	Dongo Capesterre	
DOGA	KONYA_Doganhisar	
DOI	San Damiano	
DOK	Doka	
DOL	Dolgoi Island	
DOLA	Dholavira	
DOM	Dominica	
DOMA	Ktahya-Domani§	
DOMB	Dombas	
DOMF	Dompierre	
DOMI	Santo Domingo	
DOMO	Domo	
DOMR	Dombai	
DON	Dongola	
DONB	Dongobesh	
DONE	Ethiopia-Afar Geoscientific Lithospheric Experiment	
DONG	Nakchu	
DONR	Donner Summit	
DOO	Doolan Road	
DOOR	DOOR	
DOPR	Dopca	
DOR	Dorot	
DORK	Agr/Tutak/Dorukdibi	
DORT	Dortyol-Hatay	
DORU	Doru	
DOS	Dos Bocas Dam	
DOSS	Dosso del Sommo	
DOT	Dot Lake	
DOU	Dourbes	
DOV	Dover Castle, Kent	
DOW	Dowerin	
DOWB	Downie Slide	
DOY	Duke of York Island	
DP-	Deposit	DP-NY
DP1	Deserto P. S.	DPS
DPAL	Pian Palu'	
DPC	Dobruska-Polom	
DPD	Davis Peak	
DPDB	Guoxing	
DPH	Darwin Parliament House	
DPI	Dunn Peak	
DPIA	Ponte Pia'	
DPLY	Delli Paoli	
DPM	Delmo Park	
DPMT	Pointe Michel	
DP-NY	Deposit	
DPP	Dos Picos Cty Pk	
DPQ	Saint Jean	
DPRB	Downie Pk Ridge	
DPS	Deserto Penisola Sorrentina	
DPW	Davenport	
DQM	DQM	
DQRL	Deir Qamar	
DR-	Durango	DR-CO
DR01	Juana Nunez	
DR02	San Jose de las Matas	
DR03	Pinalito	
DR04	Monte Llano	
DR05	La Lomota	
DR06	La Diferencia	
DR07	Jarabacoa	
DR08	Loma La Naviza	
DR09	Piedra Blanca	
DR1	Juana Nunez	DR01
DR10	Alto Bandera	
DR11	La Yayitas	
DR12	Loma Pena Alta	
DR13	Sanchez	
DR14	Sierra Prieta	
DR15	Siete Picos	
DR3	Pinalito	DR03
DR4	Monte Llano	DR04
DR5	La Lomota	DR05
DR6	La Diferencia	DR06
DR8	Loma La Naviza	DR08
DRA	Dragasani	
DRA2	DRAMA	
DRAG	Dragano-Lefkada	
DRAM	Dora Dora	
DRB	Dursunbey	
DRBR	Darabani	
DRBS	Ad Darb	
DRBT	Darb Altahta	
DRC	Dorchester	
DRCO	St. Marys Cement	
DR-CO	Durango	
DRD	Roodepoort, Johannesburg	
DRE	Drenchia	
DREC	Desert Rsrch Ctr	
DREG	Dreilaegerbach Talsperre	
DREO	Darlington East Ontario	
DRETJ	Distrito Reforma Tijuana	
DREZ	Durham Road	
DRGI	Dragot	
DRGR		
DRHJ	Al-Direh	
DRIA	Deer Island	
DRIO	Del Rio	
DRK	Karamyk	
DRK0	Durika	
DRL	Darel	
DRLN	Deer Lake	
DRME	Dracevica, Montenegro	
DRMQ	Drummondville	
DRN	Derbent	
DRNR	Artvin, Merkez, Deriner Baraji	
DRO	Drossia	
DROM	Dromana	
DRP	Derazinda	
DRPA	Athens-Drapetsona	
DRPR	Durgaprasadpur, Orissa	
DRR	Dragan	
DRRA	Deer Island	
DRS	Darwin Rock Store	
DRT	Dartmouth	
DRTD	Roseau, Dominica	
DRTN	Dyersburg	
DRTT	Dortyol	
DRUM	Mains of Drumtochty	
DRV	Dumont d'Urville	
DRWC	Darouich	
DRWO	Darlington West	
DRZ	Dome Shelter	
DRZT	Darrouzett	
DS01	DHOFAR - XZ	
DS02	DHOFAR - XZ	
DS03	DHOFAR - XZ	

Code	Station Name	Other
DS04	DHOFAR - XZ	
DS05	DHOFAR - XZ	
DS06	DHOFAR - XZ	
DS07	DHOFAR - XZ	
DS08	DHOFAR - XZ	
DS09	DHOFAR - XZ	
DS10	DHOFAR - XZ	
DS11	DHOFAR - XZ	
DSB	Dublin	
DSB1	Difesa San Luca	
DSBU	Dashti - Bushehr	
DSC	Scotts Head	
DSCC	Desert Studies Ctr	
DSCH	Colegio Aleman	
DSD2	Dead Sea Dam 2	
DSDI2	DSDS2	
DSF	Desfina	
DSG	Desaguadero	
DSGI	Santa Giustina	
DSH	Dushanbe	
DSHT	Scott's Head	
DSI	Dead Sea	
DSI1	Metsoke Dragot	
DSI10	DS10	
DSI11	DS11	
DSI12	DS12	
DSI13	Ovnat, DS13	
DSK	Disk Island	
DSL	Palaion Diasellon	
DSLB	Salisbury	
DSM	Dog Skin Mountain	
DSMN	Discovery Mine	
DSN	Dusing	
DSNO	Creighton Mine,Sudbury	
DSP	Deep Springs	
DSPA	Despedida	
DSRI	Dabo	
DST	Dursunbey	
DST2	Trieste	
DSTT	Stowe	
DSV	Doi Son	
DSVT	Soufriere Village	
DSXP	Dongshan	
DSZ	Denniston North	
DT1	Dutton Round Hill	
DTEM	Dunmovintown East	
DTIR	Bucuresti-Nicolae Titulescu	
DTM	Carnegie Institution of Washington	
DTMM	Dartmouth Digital	
DTMT	Tete Morne	
DTN	Dwight	
DTNA	Dutton South Flank	
DTP	Desert Tortoise Park	
DU-	Durant	DU-OK
DUB	Rathfarnham	
DUB01	Friburgo-RJ	
DUC	Duarte Ranch	
DUG	Dugway, Tooele County	
DUGI	Dugi Otok	
DUI	Duronia	
DUL	Duluth	
DULL	Dullstroom, Mpumalanga	
DUN	Dundo	
DUN6	Lazy B Ranch	
DUNDO	Dundo	
DUNF	Dun	
DUNH	University New Hampshire, Durham	
DUNO	Dulce Nombre, Nicoya, Guanacaste	
DUNU	Dundret	
DUOK	Dugi Otok	
DU-OK	Durant	
DUP	Duppenweiler	
DUR	Durham	
DURL	Durlach	
DURR	Durres	
DURS	Dursunbey	
DUS	Dusheti	
DUSB	Deogyusan	
DUSS	Damascus University	
DUT	Dutch Harbor	
DUWZ	D'Urville Island	
DUX	Duxbury	
DUYS	Dunai	
DUZA	Dulzura	
DV-	Death Valley	DV-CL
DVBM	Devilbend	
DV-CL	Death Valley	
DVCT	Vielle Casse Police Station	
DVD	David	
DVD2	Portal de la Riviera, DVD	
DVD3	San Pablo Viejo, Chiriqui	
DVDT	Valley Desolation	
DVE	Vedeno	
DVG	Divnogorsk	
DVHZ	Dannevirke	
DVI	Derveni	
DVKN	Diavik Mine	
DVL	Devil Canyon	
DVLD	Doverlandia	
DVO	Downsview	
DVP	Devils Point	
DVR	Devrek	
DVSC	Val Schener	
DVT	Derby	
DVTC	Desert View Tower, Jacumba	
DVW	Davenport	
DWDM	Dogwood	
DWDS	Al Duwadimi	
DWK		
DWM	Dogwood	
DWP	Davao Weather Station	
DWPF	Disney Wilderness Preserve, Florida	
DWR	Dweir	
DWS	Wesley	
DWU	Dry Willow Peak	
DWY	Dawson City	
DXB	Duxbury	
DY-	Dry Ridge	DY-KY
DY1	Dyersburg	
DY2	Lassiter	
DY2G	Dye2	
DY3	Tiptonville	
DY4	Samburg	
DY5	Near Lassiter	
DYA	Yadsworthy	
DYBB	Diyarbakir	
DYDN	Diyadin	
DY-KY	Dry Ridge	
DYR	Agios Nikonas	
DYTN	Dayton	
DZA	Taraz	
DZB	Cabrayil	
DZBM		
DZD	Dalandzadgad	
DZE	Dzherino	
DZEE	Ethiopia-Afar Geoscientific Lithospheric Experiment	
DZET	Dzherino	
DZH	Dzhafr	
DZI	Dzhizak	
DZM	Mont Dzumac	
DZN	Dzhankel'dy	
DZR	Jermuk	
DZT	Dzhirgatal'	
E001	Sierra del Retn, Cadiz	
E001A	Albudeite (Murcia)	
E002	Puerto del Bujeo, Cadiz	
E005	Casares, Malaga	
E006	Caete la Real, Malaga	
E007	Orjiva, Granada	
E008	San Bartolome de la Torre, Huelva	
E009	Beas, Huelva	
E010	Palacio de Doana, Huelva	
E011	Adriano, Sevilla	
E012	Marchena, Sevilla	
E013	Torcal de Antequera, Malaga	
E015	Alquife, Granada	
E016	Rosal de la Frontera, Huelva	
E017	Aznalcollar, Sevilla	
E018	Embalse de El Pintado, Sevilla	
E019	El Pedroso, Sevilla	
E020	Santaella, Cordoba	
E021	Villaviciosa de Cordoba, Cordoba	
E022	Bujalance, Cordoba	
E024	Martos, Jaen	
E025	Huelma, Jaen	
E026	Sierra de Lcar, Granada	
E028	Jerez de los Caballeros, Badajoz	
E029	Usagre, Badajoz	
E030	Peraleda del Zaucejo, Badajoz	
E031	Las Morras, Villanueva del Duque, Cordoba	
E032	Castillo de Giribaile, Vilches, Jaen	
E033	Ojanco, Jaen	
E034	Letur, Albacete	
E035	Torrevieja, Alicante	
E036	Arroyo de San Servan	
E037	Caserio Las Cruces	
E038	Cabeza del Buey	
E039	Gargantiel	
E03A	Lebam	
E040	Cabezarrubias del Puerto	
E041	Villalba de Calatrava	
E042	Carrizosa	
E044	Argamason	
E045	La Font de la Figuera	
E04A	Onalaska	
E04D	Cinebar	
E051	Villa los Angeles	
E05A	Randle	
E06A	Yakima	
E07A	Sunnyside	
E07B	Bay Bridge East Pier 7	
E0802	Ubeda,Jaen	
E0803	Jimena (Jaen)	
E08A	Dider Farm, Eltopia	
E0901	Celadas (Teruel)	
E09A	Wood Farm, Starbuck	
E1001	Ethiopia-Afar Geoscientific Lithospheric Experiment E1001	
E1002	Yechar (Murcia)	
E1004	Ethiopia-Afar Geoscientific Lithospheric Experiment E1004	
E1008	Ethiopia-Afar Geoscientific Lithospheric Experiment E1008	
E1011	Ethiopia-Afar Geoscientific Lithospheric Experiment E1011	
E1012	Ethiopia-Afar Geoscientific Lithospheric Experiment E1012	
E1014	Ethiopia-Afar Geoscientific Lithospheric Experiment E1014	
E1016	Ethiopia-Afar Geoscientific Lithospheric Experiment E1016	
E1017	Ethiopia-Afar Geoscientific Lithospheric Experiment E1017	
E1018	Ethiopia-Afar Geoscientific Lithospheric Experiment E1018	
E1019	Ethiopia-Afar Geoscientific Lithospheric Experiment E1019	
E101A	Algamitas (Sevilla)	
E1020	Ethiopia-Afar Geoscientific Lithospheric Experiment E1020	
E1021	Ethiopia-Afar Geoscientific Lithospheric Experiment E1021	
E1022	Ethiopia-Afar Geoscientific Lithospheric Experiment E1022	
E1023	Ethiopia-Afar Geoscientific Lithospheric Experiment E1023	
E1024	Ethiopia-Afar Geoscientific Lithospheric Experiment E1024	
E1026	Ethiopia-Afar Geoscientific Lithospheric Experiment E1026	
E1027	Ethiopia-Afar Geoscientific Lithospheric Experiment E1027	
E1028	Ethiopia-Afar Geoscientific Lithospheric Experiment E1028	
E1030	Ethiopia-Afar Geoscientific Lithospheric Experiment E1030	
E1037	Ethiopia-Afar Geoscientific Lithospheric Experiment E1037	
E1042	Ethiopia-Afar Geoscientific Lithospheric Experiment E1042	
E1046	Ethiopia-Afar Geoscientific Lithospheric Experiment E1046	
E1054	Ethiopia-Afar Geoscientific Lithospheric Experiment E1054	
E1058	Ethiopia-Afar Geoscientific Lithospheric Experiment E1058	
E1062	Ethiopia-Afar Geoscientific Lithospheric Experiment E1062	
E1069	Ethiopia-Afar Geoscientific Lithospheric Experiment E1069	
E1077	Ethiopia-Afar Geoscientific Lithospheric Experiment E1077	
E1078	Ethiopia-Afar Geoscientific Lithospheric Experiment E1078	
E1079	Ethiopia-Afar Geoscientific Lithospheric Experiment E1079	
E1081	Ethiopia-Afar Geoscientific Lithospheric Experiment E1081	
E1085	Ethiopia-Afar Geoscientific Lithospheric Experiment E1085	
E1089	Ethiopia-Afar Geoscientific Lithospheric Experiment E1089	
E1094	Ethiopia-Afar Geoscientific Lithospheric Experiment E1094	
E1097	Ethiopia-Afar Geoscientific Lithospheric Experiment E1097	
E10A	Myers Farm, Uniontown	
E1101	Ethiopia-Afar Geoscientific Lithospheric Experiment E1101	
E1105	Ethiopia-Afar Geoscientific Lithospheric Experiment E1105	
E1110	Ethiopia-Afar Geoscientific Lithospheric Experiment E1110	
E1112	Ethiopia-Afar Geoscientific Lithospheric Experiment E1112	
E1118	Ethiopia-Afar Geoscientific Lithospheric Experiment E1118	
E1120	Ethiopia-Afar Geoscientific Lithospheric Experiment E1120	
E1121	Ethiopia-Afar Geoscientific Lithospheric Experiment E1121	
E1122	Ethiopia-Afar Geoscientific Lithospheric Experiment E1122	
E1123	Ethiopia-Afar Geoscientific Lithospheric Experiment E1123	
E1124	Ethiopia-Afar Geoscientific Lithospheric Experiment E1124	
E1125	Ethiopia-Afar Geoscientific Lithospheric Experiment E1125	
E1126	Ethiopia-Afar Geoscientific Lithospheric Experiment E1126	
E1130	Ethiopia-Afar Geoscientific Lithospheric Experiment E1130	
E1131	Ethiopia-Afar Geoscientific Lithospheric Experiment E1131	
E1132	Ethiopia-Afar Geoscientific Lithospheric Experiment E1132	
E1138	Ethiopia-Afar Geoscientific Lithospheric Experiment E1138	
E1141	Ethiopia-Afar Geoscientific Lithospheric Experiment E1141	
E1146	Ethiopia-Afar Geoscientific Lithospheric Experiment E1146	
E1151	Ethiopia-Afar Geoscientific Lithospheric Experiment E1151	
E1155	Ethiopia-Afar Geoscientific Lithospheric Experiment E1155	
E1157	Ethiopia-Afar Geoscientific Lithospheric Experiment E1157	
E1158	Ethiopia-Afar Geoscientific Lithospheric Experiment E1158	
E1163	Ethiopia-Afar Geoscientific Lithospheric Experiment E1163	
E1171	Ethiopia-Afar Geoscientific Lithospheric Experiment E1171	
E1172	Ethiopia-Afar Geoscientific Lithospheric Experiment E1172	
E1176	Ethiopia-Afar Geoscientific Lithospheric Experiment E1176	
E1177	Ethiopia-Afar Geoscientific Lithospheric Experiment E1177	
E1178	Ethiopia-Afar Geoscientific Lithospheric Experiment E1178	
E1179	Ethiopia-Afar Geoscientific Lithospheric Experiment E1179	
E1180	Ethiopia-Afar Geoscientific Lithospheric Experiment E1180	
E1181	Ethiopia-Afar Geoscientific Lithospheric Experiment E1181	
E1182	Ethiopia-Afar Geoscientific Lithospheric Experiment E1182	
E1183	Ethiopia-Afar Geoscientific Lithospheric Experiment E1183	
E1186	Ethiopia-Afar Geoscientific Lithospheric Experiment E1186	
E1188	Ethiopia-Afar Geoscientific Lithospheric Experiment E1188	
E1190	Ethiopia-Afar Geoscientific Lithospheric Experiment E1190	
E1191	Ethiopia-Afar Geoscientific Lithospheric Experiment E1191	
E1195	Ethiopia-Afar Geoscientific Lithospheric Experiment E1195	
E1196	Ethiopia-Afar Geoscientific Lithospheric Experiment E1196	
E1197	Ethiopia-Afar Geoscientific Lithospheric Experiment E1197	
E1199	Ethiopia-Afar Geoscientific Lithospheric Experiment E1199	
E11A	Bogner Ranch, Nez Perce	
E1201	Ethiopia-Afar Geoscientific Lithospheric	

Experiment E1201
E1202 Enciso (La Rioja)
E1204 Ethiopia-Afar Geoscientific Lithospheric Experiment E1204
E1209 Ethiopia-Afar Geoscientific Lithospheric Experiment E1209
E1213 Ethiopia-Afar Geoscientific Lithospheric Experiment E1213
E1215 Ethiopia-Afar Geoscientific Lithospheric Experiment E1215
E1216 Ethiopia-Afar Geoscientific Lithospheric Experiment E1216
E1217 Ethiopia-Afar Geoscientific Lithospheric Experiment E1217
E1219 Ethiopia-Afar Geoscientific Lithospheric Experiment E1219
E1226 Ethiopia-Afar Geoscientific Lithospheric Experiment E1226
E1230 Ethiopia-Afar Geoscientific Lithospheric Experiment E1230
E1231 Ethiopia-Afar Geoscientific Lithospheric Experiment E1231
E1232 Ethiopia-Afar Geoscientific Lithospheric Experiment E1232
E1233 Ethiopia-Afar Geoscientific Lithospheric Experiment E1233
E1235 Ethiopia-Afar Geoscientific Lithospheric Experiment E1235
E1238 Ethiopia-Afar Geoscientific Lithospheric Experiment E1238
E1242 Ethiopia-Afar Geoscientific Lithospheric Experiment E1242
E1246 Ethiopia-Afar Geoscientific Lithospheric Experiment E1246
E1252 Ethiopia-Afar Geoscientific Lithospheric Experiment E1252
E1258 Ethiopia-Afar Geoscientific Lithospheric Experiment E1258
E1262 Ethiopia-Afar Geoscientific Lithospheric Experiment E1262
E1266 Ethiopia-Afar Geoscientific Lithospheric Experiment E1266
E1270 Ethiopia-Afar Geoscientific Lithospheric Experiment E1270
E1274 Ethiopia-Afar Geoscientific Lithospheric Experiment E1274
E1278 Ethiopia-Afar Geoscientific Lithospheric Experiment E1278
E1281 Ethiopia-Afar Geoscientific Lithospheric Experiment E1281
E1285 Ethiopia-Afar Geoscientific Lithospheric Experiment E1285
E1289 Ethiopia-Afar Geoscientific Lithospheric Experiment E1289
E1290 Ethiopia-Afar Geoscientific Lithospheric Experiment E1290
E1296 Ethiopia-Afar Geoscientific Lithospheric Experiment E1296
E12A Beaver Dam Saddle, Pierce
E1301 Ethiopia-Afar Geoscientific Lithospheric Experiment E1301
E1302 La Puebla de Cazalla (Sevilla)
E1303 Ethiopia-Afar Geoscientific Lithospheric Experiment E1303
E1306 EAGLE 6TD - XM, 1306
E1308 Ethiopia-Afar Geoscientific Lithospheric Experiment E1308
E1310 Ethiopia-Afar Geoscientific Lithospheric Experiment E1310
E1311 Ethiopia-Afar Geoscientific Lithospheric Experiment E1311
E1313 Ethiopia-Afar Geoscientific Lithospheric Experiment E1313
E1315 Ethiopia-Afar Geoscientific Lithospheric Experiment E1315
E1318 Ethiopia-Afar Geoscientific Lithospheric Experiment E1318
E1319 Ethiopia-Afar Geoscientific Lithospheric Experiment E1319
E1320 Ethiopia-Afar Geoscientific Lithospheric Experiment E1320
E1321 Ethiopia-Afar Geoscientific Lithospheric Experiment E1321
E1322 Ethiopia-Afar Geoscientific Lithospheric Experiment E1322
E1324 Ethiopia-Afar Geoscientific Lithospheric Experiment E1324
E1327 Ethiopia-Afar Geoscientific Lithospheric Experiment E1327
E1328 Ethiopia-Afar Geoscientific Lithospheric Experiment E1328
E1329 Ethiopia-Afar Geoscientific Lithospheric Experiment E1329
E1330 Ethiopia-Afar Geoscientific Lithospheric Experiment E1330
E1331 Ethiopia-Afar Geoscientific Lithospheric Experiment E1331
E1333 Ethiopia-Afar Geoscientific Lithospheric Experiment E1333
E1334 Ethiopia-Afar Geoscientific Lithospheric Experiment E1334
E1337 Ethiopia-Afar Geoscientific Lithospheric Experiment E1337
E1340 Ethiopia-Afar Geoscientific Lithospheric Experiment E1340
E1341 Ethiopia-Afar Geoscientific Lithospheric Experiment E1341
E1344 Ethiopia-Afar Geoscientific Lithospheric Experiment E1344
E1345 Ethiopia-Afar Geoscientific Lithospheric Experiment E1345
E1346 Ethiopia-Afar Geoscientific Lithospheric Experiment E1346
E1349 Ethiopia-Afar Geoscientific Lithospheric Experiment E1349
E1351 Ethiopia-Afar Geoscientific Lithospheric Experiment E1351
E1352 Ethiopia-Afar Geoscientific Lithospheric Experiment E1352
E1353 Ethiopia-Afar Geoscientific Lithospheric Experiment E1353
E1354 Ethiopia-Afar Geoscientific Lithospheric Experiment E1354
E1356 Ethiopia-Afar Geoscientific Lithospheric Experiment E1356
E1357 Ethiopia-Afar Geoscientific Lithospheric Experiment E1357
E1358 Ethiopia-Afar Geoscientific Lithospheric Experiment E1358
E1360 Ethiopia-Afar Geoscientific Lithospheric Experiment E1360
E1365 Ethiopia-Afar Geoscientific Lithospheric Experiment E1365
E1366 Ethiopia-Afar Geoscientific Lithospheric Experiment E1366
E1370 Ethiopia-Afar Geoscientific Lithospheric Experiment E1370
E1373 Ethiopia-Afar Geoscientific Lithospheric Experiment E1373
E1377 Ethiopia-Afar Geoscientific Lithospheric Experiment E1377
E1381 Ethiopia-Afar Geoscientific Lithospheric Experiment E1381
E1384 Ethiopia-Afar Geoscientific Lithospheric Experiment E1384
E1385 Ethiopia-Afar Geoscientific Lithospheric Experiment E1385
E1387 Ethiopia-Afar Geoscientific Lithospheric Experiment E1387
E1391 Ethiopia-Afar Geoscientific Lithospheric Experiment E1391
E1394 Ethiopia-Afar Geoscientific Lithospheric Experiment E1394
E1396 Ethiopia-Afar Geoscientific Lithospheric Experiment E1396
E13A Victor
E1400 Ethiopia-Afar Geoscientific Lithospheric Experiment E1400
E1403 Ethiopia-Afar Geoscientific Lithospheric Experiment E1403
E1407 Ethiopia-Afar Geoscientific Lithospheric Experiment E1407
E1411 Ethiopia-Afar Geoscientific Lithospheric Experiment E1411
E1413 Ethiopia-Afar Geoscientific Lithospheric Experiment E1413
E1415 Ethiopia-Afar Geoscientific Lithospheric Experiment E1415
E1416 Ethiopia-Afar Geoscientific Lithospheric Experiment E1416
E1435 Ethiopia-Afar Geoscientific Lithospheric Experiment E1435
E1437 Ethiopia-Afar Geoscientific Lithospheric Experiment E1437
E1443 Ethiopia-Afar Geoscientific Lithospheric Experiment E1443
E14A Clinton
E15A Deer Lodge
E16A East Helena
E17A Martinsdale
E17B Bay Bridge East Pier 17
E17K Hotham Inlet
E18A Harlowton
E18K Tukpahlearik Creek
E19A Rath Farm, Roundup
E19K Redstone River
E1X E1X
E20A Meyer Farm, Musselshell
E20K Nigu River
E21A Keefer Ranch, Vananda
E21K Killik River
E2214 Ethiopia-Afar Geoscientific Lithospheric Experiment E2214
E2215 Ethiopia-Afar Geoscientific Lithospheric Experiment E2215
E2218 Ethiopia-Afar Geoscientific Lithospheric Experiment E2218
E2220 Ethiopia-Afar Geoscientific Lithospheric Experiment E2220
E2221 Ethiopia-Afar Geoscientific Lithospheric Experiment E2221
E2222 Ethiopia-Afar Geoscientific Lithospheric Experiment E2222
E2223 Ethiopia-Afar Geoscientific Lithospheric Experiment E2223
E2242 Ethiopia-Afar Geoscientific Lithospheric Experiment E2242
E2255 Ethiopia-Afar Geoscientific Lithospheric Experiment E2255
E2256 Ethiopia-Afar Geoscientific Lithospheric Experiment E2256
E2270 Ethiopia-Afar Geoscientific Lithospheric Experiment E2270
E2282 Ethiopia-Afar Geoscientific Lithospheric Experiment E2282
E2284 Ethiopia-Afar Geoscientific Lithospheric Experiment E2284
E2285 Ethiopia-Afar Geoscientific Lithospheric Experiment E2285
E2286 Ethiopia-Afar Geoscientific Lithospheric Experiment E2286
E2288 Ethiopia-Afar Geoscientific Lithospheric Experiment E2288
E2291 Ethiopia-Afar Geoscientific Lithospheric Experiment E2291
E2292 Ethiopia-Afar Geoscientific Lithospheric Experiment E2292
E2293 Ethiopia-Afar Geoscientific Lithospheric Experiment E2293
E2294 Ethiopia-Afar Geoscientific Lithospheric Experiment E2294
E2295 Ethiopia-Afar Geoscientific Lithospheric Experiment E2295
E2296 Ethiopia-Afar Geoscientific Lithospheric Experiment E2296
E2297 Ethiopia-Afar Geoscientific Lithospheric Experiment E2297
E22A Miles City
E22K Anaktuvuk Pass
E2301 Ethiopia-Afar Geoscientific Lithospheric Experiment E2301
E2303 Ethiopia-Afar Geoscientific Lithospheric Experiment E2303
E2304 Ethiopia-Afar Geoscientific Lithospheric Experiment E2304
E2313 Ethiopia-Afar Geoscientific Lithospheric Experiment E2313
E2314 Ethiopia-Afar Geoscientific Lithospheric Experiment E2314
E2315 Ethiopia-Afar Geoscientific Lithospheric Experiment E2315
E2316 Ethiopia-Afar Geoscientific Lithospheric Experiment E2316
E2317 Ethiopia-Afar Geoscientific Lithospheric Experiment E2317
E2318 Ethiopia-Afar Geoscientific Lithospheric Experiment E2318
E2319 Ethiopia-Afar Geoscientific Lithospheric Experiment E2319
E2320 Ethiopia-Afar Geoscientific Lithospheric Experiment E2320
E2321 Ethiopia-Afar Geoscientific Lithospheric Experiment E2321
E2335 Ethiopia-Afar Geoscientific Lithospheric Experiment E2335
E2336 Ethiopia-Afar Geoscientific Lithospheric Experiment E2336
E2337 Ethiopia-Afar Geoscientific Lithospheric Experiment E2337
E2338 Ethiopia-Afar Geoscientific Lithospheric Experiment E2338
E2339 Ethiopia-Afar Geoscientific Lithospheric

	Experiment E2339
E2340	Ethiopia-Afar Geoscientific Lithospheric Experiment E2340
E2341	Ethiopia-Afar Geoscientific Lithospheric Experiment E2341
E2342	Ethiopia-Afar Geoscientific Lithospheric Experiment E2342
E2345	Ethiopia-Afar Geoscientific Lithospheric Experiment E2345
E2346	Ethiopia-Afar Geoscientific Lithospheric Experiment E2346
E2347	Ethiopia-Afar Geoscientific Lithospheric Experiment E2347
E2348	Ethiopia-Afar Geoscientific Lithospheric Experiment E2348
E2349	Ethiopia-Afar Geoscientific Lithospheric Experiment E2349
E2350	Ethiopia-Afar Geoscientific Lithospheric Experiment E2350
E2351	Ethiopia-Afar Geoscientific Lithospheric Experiment E2351
E2352	Ethiopia-Afar Geoscientific Lithospheric Experiment E2352
E2353	Ethiopia-Afar Geoscientific Lithospheric Experiment E2353
E2354	Ethiopia-Afar Geoscientific Lithospheric Experiment E2354
E2355	Ethiopia-Afar Geoscientific Lithospheric Experiment E2355
E2356	Ethiopia-Afar Geoscientific Lithospheric Experiment E2356
E2357	Ethiopia-Afar Geoscientific Lithospheric Experiment E2357
E2358	Ethiopia-Afar Geoscientific Lithospheric Experiment E2358
E2359	Ethiopia-Afar Geoscientific Lithospheric Experiment E2359
E2360	Ethiopia-Afar Geoscientific Lithospheric Experiment E2360
E2362	Ethiopia-Afar Geoscientific Lithospheric Experiment E2362
E2363	Ethiopia-Afar Geoscientific Lithospheric Experiment E2363
E2364	Ethiopia-Afar Geoscientific Lithospheric Experiment E2364
E2365	Ethiopia-Afar Geoscientific Lithospheric Experiment E2365
E2366	Ethiopia-Afar Geoscientific Lithospheric Experiment E2366
E2369	Ethiopia-Afar Geoscientific Lithospheric Experiment E2369
E2371	Ethiopia-Afar Geoscientific Lithospheric Experiment E2371
E2388	Ethiopia-Afar Geoscientific Lithospheric Experiment E2388
E2396	Ethiopia-Afar Geoscientific Lithospheric Experiment E2396
E23A	Ismay
E23K	Chandalar
E2425	Ethiopia-Afar Geoscientific Lithospheric Experiment E2425
E2428	Ethiopia-Afar Geoscientific Lithospheric Experiment E2428
E2430	Ethiopia-Afar Geoscientific Lithospheric Experiment E2430
E2431	Ethiopia-Afar Geoscientific Lithospheric Experiment E2431
E2432	Ethiopia-Afar Geoscientific Lithospheric Experiment E2432
E2433	Ethiopia-Afar Geoscientific Lithospheric Experiment E2433
E2434	Ethiopia-Afar Geoscientific Lithospheric Experiment E2434
E2437	Ethiopia-Afar Geoscientific Lithospheric Experiment E2437
E2441	Ethiopia-Afar Geoscientific Lithospheric Experiment E2441
E2449	Ethiopia-Afar Geoscientific Lithospheric Experiment E2449
E2451	Ethiopia-Afar Geoscientific Lithospheric Experiment E2451
E24A	Baker
E24K	Your Creek
E25A	Miller Ranch, Amidon
E25K	Arctic Village
E26A	Carlson Angus Ranch, Regent
E27A	Carson
E27K	Coleen River
E28A	Huff
E28M	Babbage River
E29A	Napoleon
E29M	Blow River
E2X	E2X
E30A	Jud
E31	Ethiopia-Afar Geoscientific Lithospheric Experiment E31
E3105	Ethiopia-Afar Geoscientific Lithospheric Experiment E3105
E3107	Ethiopia-Afar Geoscientific Lithospheric Experiment E3107
E3110	Ethiopia-Afar Geoscientific Lithospheric Experiment E3110
E3114	Ethiopia-Afar Geoscientific Lithospheric Experiment E3114
E3116	Ethiopia-Afar Geoscientific Lithospheric Experiment E3116
E3120	Ethiopia-Afar Geoscientific Lithospheric Experiment E3120
E31A	Nome
E32	Ethiopia-Afar Geoscientific Lithospheric Experiment E32
E3205	Ethiopia-Afar Geoscientific Lithospheric Experiment E3205
E3207	Ethiopia-Afar Geoscientific Lithospheric Experiment E3207
E3209	Ethiopia-Afar Geoscientific Lithospheric Experiment E3209
E3212	Ethiopia-Afar Geoscientific Lithospheric Experiment E3212
E3213	Ethiopia-Afar Geoscientific Lithospheric Experiment E3213
E3214	Ethiopia-Afar Geoscientific Lithospheric Experiment E3214
E3218	Ethiopia-Afar Geoscientific Lithospheric Experiment E3218
E3221	Ethiopia-Afar Geoscientific Lithospheric Experiment E3221
E3224	Ethiopia-Afar Geoscientific Lithospheric Experiment E3224
E3225	Ethiopia-Afar Geoscientific Lithospheric Experiment E3225
E3228	Ethiopia-Afar Geoscientific Lithospheric Experiment E3228
E32A	Braaten, Kindred
E33	Ethiopia-Afar Geoscientific Lithospheric Experiment E33
E3300	Ethiopia-Afar Geoscientific Lithospheric Experiment E3300
E3303	Ethiopia-Afar Geoscientific Lithospheric Experiment E3303
E3304	Ethiopia-Afar Geoscientific Lithospheric Experiment E3304
E3323	Ethiopia-Afar Geoscientific Lithospheric Experiment E3323
E33A	Westby DABS, Erhard
E34	Ethiopia-Afar Geoscientific Lithospheric Experiment E34
E3404	Ethiopia-Afar Geoscientific Lithospheric Experiment E3404
E3414	Ethiopia-Afar Geoscientific Lithospheric Experiment E3414
E34A	Wadena
E35	Ethiopia-Afar Geoscientific Lithospheric Experiment E35
E3518	Ethiopia-Afar Geoscientific Lithospheric Experiment E3518
E3520	Ethiopia-Afar Geoscientific Lithospheric Experiment E3520
E3521	Ethiopia-Afar Geoscientific Lithospheric Experiment E3521
E3523	Ethiopia-Afar Geoscientific Lithospheric Experiment E3523
E3524	Ethiopia-Afar Geoscientific Lithospheric Experiment E3524
E3525	Ethiopia-Afar Geoscientific Lithospheric Experiment E3525
E3527	Ethiopia-Afar Geoscientific Lithospheric Experiment E3527
E3528	Ethiopia-Afar Geoscientific Lithospheric Experiment E3528
E3529	Ethiopia-Afar Geoscientific Lithospheric Experiment E3529
E35A	Pequot Lakes
E36	Ethiopia-Afar Geoscientific Lithospheric Experiment E36
E3603	Ethiopia-Afar Geoscientific Lithospheric Experiment E3603
E3604	Ethiopia-Afar Geoscientific Lithospheric Experiment E3604
E3605	Ethiopia-Afar Geoscientific Lithospheric Experiment E3605
E3606	Ethiopia-Afar Geoscientific Lithospheric Experiment E3606
E3609	Ethiopia-Afar Geoscientific Lithospheric Experiment E3609
E3621	Ethiopia-Afar Geoscientific Lithospheric Experiment E3621
E36A	McGregor
E37	Ethiopia-Afar Geoscientific Lithospheric Experiment E37
E3701	Ethiopia-Afar Geoscientific Lithospheric Experiment E3701
E3702	Ethiopia-Afar Geoscientific Lithospheric Experiment E3702
E3704	Ethiopia-Afar Geoscientific Lithospheric Experiment E3704
E3706	Ethiopia-Afar Geoscientific Lithospheric Experiment E3706
E3713	Ethiopia-Afar Geoscientific Lithospheric Experiment E3713
E3714	Ethiopia-Afar Geoscientific Lithospheric Experiment E3714
E3715	Ethiopia-Afar Geoscientific Lithospheric Experiment E3715
E3726	Ethiopia-Afar Geoscientific Lithospheric Experiment E3726
E3729	Ethiopia-Afar Geoscientific Lithospheric Experiment E3729
E3730	Ethiopia-Afar Geoscientific Lithospheric Experiment E3730
E3738	Ethiopia-Afar Geoscientific Lithospheric Experiment E3738
E3742	Ethiopia-Afar Geoscientific Lithospheric Experiment E3742
E3743	Ethiopia-Afar Geoscientific Lithospheric Experiment E3743
E37A	Wrenshall
E38A	The Farm, Brule
E39	Ethiopia-Afar Geoscientific Lithospheric Experiment E39
E39A	Mellen
E3X	E3X
E40	Ethiopia-Afar Geoscientific Lithospheric Experiment E40
E40A	Wakefield
E41	Ethiopia-Afar Geoscientific Lithospheric Experiment E41
E41A	Kenton
E42	Ethiopia-Afar Geoscientific Lithospheric Experiment E42
E42A	Champion
E43	Ethiopia-Afar Geoscientific Lithospheric Experiment E43
E43A	Lone Tree Farm, Eben Junction
E44	Ethiopia-Afar Geoscientific Lithospheric Experiment E44
E44A	Grand Marais Airport, Grand Marais
E45	Ethiopia-Afar Geoscientific Lithospheric Experiment E45
E45A	Wooded Hills, Hulbert
E46	Ethiopia-Afar Geoscientific Lithospheric Experiment E46
E46A	Sault Ste Marie
E47	Ethiopia-Afar Geoscientific Lithospheric Experiment E47
E47A	Iron Bridge
E48	Ethiopia-Afar Geoscientific Lithospheric Experiment E48
E48A	Lockeyer
E49	Ethiopia-Afar Geoscientific Lithospheric Experiment E49
E4X	E4X
E50	Ethiopia-Afar Geoscientific Lithospheric Experiment E50
E50A	Wahnapitae
E51	Ethiopia-Afar Geoscientific Lithospheric Experiment E51
E51A	G1948 Merrick Township
E52	Ethiopia-Afar Geoscientific Lithospheric Experiment E52
E52A	Mattawa
E53	Ethiopia-Afar Geoscientific Lithospheric Experiment E53
E53A	Dumoine, Pontiac MRC
E54	Ethiopia-Afar Geoscientific Lithospheric Experiment E54
E54A	Lac Daplat, Pontiac, MRC
E55	Ethiopia-Afar Geoscientific Lithospheric Experiment E55
E55A	Montcerf-Lytton
E56	Ethiopia-Afar Geoscientific Lithospheric Experiment E56
E56A	St. Veronique
E57	Ethiopia-Afar Geoscientific Lithospheric Experiment E57
E57A	Chemin Saint Guillaume, Saint Donat
E58	Ethiopia-Afar Geoscientific Lithospheric Experiment E58
E58A	La Victoria
E59	Ethiopia-Afar Geoscientific Lithospheric Experiment E59
E59A	St. Maurice
E5X	E5X
E60	Ethiopia-Afar

	Geoscientific Lithospheric Experiment E60	
E60A	Ste Agathe de Lotbiniere,	
E61	Ethiopia-Afar Geoscientific Lithospheric Experiment E61	
E61A	Lac Etchemin	
E62A	Clayton Lake	
E63	Ethiopia-Afar Geoscientific Lithospheric Experiment E63	
E63A	Oxbow	
E64	Ethiopia-Afar Geoscientific Lithospheric Experiment E64	
E64A	Bridgewater	
E66	Ethiopia-Afar Geoscientific Lithospheric Experiment E66	
E67	Ethiopia-Afar Geoscientific Lithospheric Experiment E67	
E68	Ethiopia-Afar Geoscientific Lithospheric Experiment E68	
E69	Ethiopia-Afar Geoscientific Lithospheric Experiment E69	
E6X	E6X	
E70	Ethiopia-Afar Geoscientific Lithospheric Experiment E70	
E71	Ethiopia-Afar Geoscientific Lithospheric Experiment E71	
E72	Ethiopia-Afar Geoscientific Lithospheric Experiment E72	
E73	Ethiopia-Afar Geoscientific Lithospheric Experiment E73	
E74	Ethiopia-Afar Geoscientific Lithospheric Experiment E74	
E75	Ethiopia-Afar Geoscientific Lithospheric Experiment E75	
E76	Ethiopia-Afar Geoscientific Lithospheric Experiment E76	
E77	Ethiopia-Afar Geoscientific Lithospheric Experiment E77	
E78	Ethiopia-Afar Geoscientific Lithospheric Experiment E78	
E79	Ethiopia-Afar Geoscientific Lithospheric Experiment E79	
E80	Ethiopia-Afar Geoscientific Lithospheric Experiment E80	
E82	Ethiopia-Afar Geoscientific Lithospheric Experiment E82	
E83	Ethiopia-Afar Geoscientific Lithospheric Experiment E83	
E84	Ethiopia-Afar Geoscientific Lithospheric Experiment E84	
E85	Ethiopia-Afar Geoscientific Lithospheric Experiment E85	
E932	Embalse del Gaudalen, Jaen	
EAB	Aberfoyle	
EACI	Aci Sant'Antonio	
EADA	Adamuz	
EADB	Eade Ranch	
EADEB	Ain Deheb	
EAFB	Elmendorf Base	
EAG	Eagle Mountain	
EAG1	Polichnitos, Lesvos	
EAG2	Marmaro, Chios	
EAG3	Mitilini, Lesvos	
EAGL	Eagle Lake Youth Camp, Lassen County, CA USA	
EAGO	Agolada(Pontevedra)	
EAH	EAH	
EAHA	Aohua	
EAK	Akyaka	
EALB	Alboran	
EALH	Alhama de Murcia	
EALK	Alkurruntz	
EAM	Ear Mountain	
EAN	East Aurora	
EANR	'Ain N'Sour	
EARA	Aranguren	
EARB	Arib	
EARC	Monte Arcimis	
EARI	Arriondas	
EARN	East Ridge Elementary School	
EASA	Ain Sidi Ali	
EAST	Anshuo	
EASTN	East End Reserv.	
EASY	Easy	
EATA	Eleskirt	
EAU	Auchinoon	
EAV	Pico El Aguila	
EAZ	Earnscleugh	
EB-	East Braintree	EB-MT
EBAD	Badajoz	
EBAJ	Bajamar	
EBAN	Banos Encina	
EBCN	Bocca Nuova	
EBDA	Bosco di Aci (S. Maria La Stella)	
EBEL	Etna Belvedere	
EBELL	Liceo Cantonale, Bellinzona	
EBEN	Beniarda	
EBEN2	Beniarda presa Alicante	
EBER	Berja	
EBG	Ellensburg	
EBGR	Bougara	
EBH	Black Hill	
EBHM	Djebel Bou Ahmed	
EBI	Elk Butte	
EBIE	Bielsa	
EBIN	Albstadt-Ebingen	
EBL	Broad Law	
EBM	Esen Bulak	
EB-MT	East Braintree	
EBN	Edmundston	
EBNH	Beni Haoua	
EBNR	Beni Rached	
EBOM	Djebel Bou Maad	
EBP	Ebbets Pass	
EBR	Ebro Roquetas	
EBRE	Ebro Roquetas	
EBS	Eagle Butte	
EBSD	Ebsdorfer Grund, Hesen	
EBUEL	Kantonsschule Buelach	
EBYL	Djebel Bou Yalou	
EBZ	Ebenezer Church	
EC01	ESMERALDAS	
EC02	VENTE CASAS, SO DE CAMARONES	
EC03	NORTH OF SAN FRANCISCO	
EC04	EL BOTADO, WEST OF QUINDE	
EC05	EAST OF QUINDE	
EC06	EAST OF PEDERNALES	
EC07	SOUTH OF LIMONES	
EC08	CAMARONES	
EC09	EL TABLON	
EC11	LA UNION	
EC12	NORTH OF DAULE	
EC13	SOUTH OF SALIMA	
EC14	SOUTH OF TABIAZO	
EC15	JUST BEFORE CUBE	
EC16	SOUTHWEST OF TABUGA	
EC17	SOUTH OF ESTERO SECO	
EC18	SOUTHEAST OF BOCA DE BIGOA	
EC19	TOALLA CHICA	
EC20	SOUTH OF MONTECRISTI	
ECA	El Cajon	
ECAB	El Cabril	
ECAL	Calabor	
ECALA		
ECAN	Masseria Cannata	
ECAT	Cat-ERZURUM	
ECB	Carrickbyrne Hill	
ECBD	Case Bada	
ECBN	Changbin	
ECBX	El Chinero	
ECC	El Centro	
ECCO	Edison CC	
ECCS	Contrada Cassone	
ECD	Elk Chute Ditch	
ECDB	Euchungdo	
ECDV	Codavolpe	
ECEA	Canakkale, Eceabat-Seddulbahir	
ECEN	Cerro Negro	
ECEU	Ceuta	
ECF	Echo Falls	
ECG	Echelle	
ECH	Echery	
ECHA	Ech Chlef	
ECHE	Chera	
ECHF	Ech Chlef	
ECHI	Chisagues Bielsa	
ECHR	Santa Chiara	
ECIS	Cisternazza	
ECK	Cauldkaine Hill	
ECL	Taimali	
ECM	Ellicott City	
ECML	Castelmola	
ECNE	Crateri Nord Est	
ECNV	Catenanuova	
ECNX	Esteban Cantu	
ECO	Colon	
ECO2	Colon	
ECOG	Cogollos-Vega	
ECOL	Islas Columbretes	
ECOPE	Copete-Rev Volc	
ECP	Carnsore Point	
ECPN	Case del Piano	
ECPR	Experimental Station Corozal Puerto Rico, UPR	
ECR	Eagle Creek	
ECRI	Cripan	
ECS	Chishang	
ECSD	EROS Data Center, Sioux Falls	
ECT	Ellsworth	
ECTS	Castiglione	
ECVS	Case del Vescovo	
ECX	Ensenada	
ECZ	East Cape	
ECZM	Case Zampini	
ED-	Edgewood	ED-MI
ED06	Collalto TV	
EDA	Edea	
EDAD	Golfito	
EDAM	rum-Palandoken-Deprem rem Arastirma Merkezi	
EDB	Eliza Dome	
EDBA	Buenos Aires	
EDC	Edincik	
EDC*	EscuelaIngenieria	
EDDO	Dominical	
EDDR	Deurdeur	
EDE1	Edessa	
EDEN	Eden	
EDFI	Ende, Flores	
EDH	Donghe	
EDI	Edinburgh	
EDIA	Heredia	
EDIL	So. Illinois U.	
EDIT	Edith	
EDK	El Dorado	
EDLM	Las Mercedes	
EDM	Edmonton	
EDMA	Eldorado	
EDMD	Edmundbyers	
ED-MI	Edgewood	
EDMN	Edmundston, New Brunswick	
EDO	Endilloe	
EDOMX	El Doctor, EDO	
EDP2	Potrero Grande	
EDPN	Palmar Norte	
EDR	Drumtochty	
EDRB	Edirne	
EDRZ	Edgecumbe	
EDS3	Malargue	
EDSV	San Vito	
EDT	Edincik	EDC
EDU	Dundee	
EDW	Edwards Air Force Base,Rosamund	
EDW2	Edwards Air Force Base 2, Rosamond	
EDY	Kabakon Island	
EDZN	EDZO	
EE01	Perakula, Nova	
EE02	Kiisa, Saku	
EE03	Tooma soojaam, Jogeva	
EE04	Vaivara Sinimaed	
EE05	Udria, Vaivara	
EE06	Soera, Palade, Hiiumaa island	
EE07	Piusa Caves, Orava	
EE08	Sarghaua, Vandra	
EEO	Eldee	
EF-	Eagle Flat	EF-TX
EF01	Eagle Ford 01	
EF04	Eagle Ford 04	
EFAM	Famara	
EFD	Emergency Operations Facility	
EFI	East Falkland Island	
EFIU	Fiumefreddo	
EFO	Effingham	
EFOR	EFORIE	
EFP	Efpalio	
EFR	Efringen	
EFSA	Agios Efstratios	
EF-TX	Eagle Flat	
EGA	Jian Township	
EGAK	Eagle	
EGC	Eagle	
EGD	Espegrend	
EGFH	Guangfu	
EGFM	Gr delle femmine	
EGI	Egilsstadhir	
EGL	Gala Law	
EGL1	Gala Law	
EGM	El Golfo de Santa Clara	
EGMT	Eagleton	
EGN	Eagle's Nest	
EGO	El Golfo de Santa Clara	
EGOM	La Gomera	
EGOR	Sierra Gorda, Loja, Granada	
EGR	Empire Grade Road	
EGRA	Graus	
EGRIP	EGRIP Drilling camp	
EGRN	Evergreen College	
EGRO	El Granado	
EGS		
EGSI	Enggano, Bengkulu	
EGUA	Guajares	
EGV	Egvekinot, Chukotka	
EGVZ	Egvard	
EGX	Santa Clara	
EGYH	Egyhazaskeszo	
EHC	Hejung	
EHD	Haiduan	
EHIG	Higuera	
EHN	Echo Peak	
EHOR	Hornachuelos	
EHP	Heping Village	
EHRO	Hierro	
EHRZ	Djelida	
EHUE	Huescar	
EHV	El Hato	
EHY	Hungye	
EHYH	Wanrong	
EIBI	Ibiza	
EIC	Easter Island	
EIDS	Eidsvold	
EIL	Elat	
EILF	Villa Eilenroc - Antibes	
EINC	Incio	
EISP	Ispir	
EJC	Estacion Juarez	
EJDE	Erzurum, Palandoken	
EJIF	Jimena Frontera	
EJIM	Jimena Frontera	
EJON	La Jonquera	
EJUZ	Juzbado, Salamanca	
EK-	Eureka (L)	EK-NV
EKA	Eskdalemuir Array	
EKAR	Karacoban	
EKB	Eskdalemuir	
EKB1	Eskdalemuir Array Site B1	
EKB10	Eskdalemuir Array Site B10	
EKB2	Eskdalemuir Array Site B2	
EKB3	Eskdalemuir Array Site B3	
EKB4	Eskdalemuir Array Site B4	
EKB5	Eskdalemuir Array Site B5	
EKB6	Eskdalemuir Array Site B6	
EKB7	Eskdalemuir Array Site B7	
EKB8	Eskdalemuir Array Site B8	
EKB9	Eskdalemuir Array Site B9	
EKC	Ekona	
EKG	Eskdalemuir	EKB
EKH	Elkhorn Ranch	
EKMR	Ekimchan	
EKMS	Oued Kramis	
EKMT	Elk Creek	
EKN	Konogogo	
EKNA	AfricaArray - AF	
EK-NV	Eureka	
EKO	Elko	
EKONA	Konakl - Erzurum - Turkiye	
EKR	Elk River	
EKR1	Eskdalemuir Array Site R1	
EKR10	Eskdalemuir Array Site R10	
EKR2	Eskdalemuir Array Site R2	
EKR3	Eskdalemuir Array Site R3	
EKR4	Eskdalemuir Array Site R4	
EKR5	Eskdalemuir Array Site R5	
EKR6	Eskdalemuir Array Site R6	
EKR7	Eskdalemuir Array Site R7	
EKR8	Eskdalemuir Array Site R8	
EKR9	Eskdalemuir Array Site R9	
EKS	Erkin-Say	
EKS2	Erkin-Say	
EKSU	Eksjoe	
EKTN	Ekati Mine	
EKU	East Kanab	
EL-	Ellensburg	EL-WA
EL2	El Mirage 2	
EL6	Elcito	
ELA	Elazig	
ELAGU	Cayambe Volc	
ELAN	Lanestosa	
ELAR	El Aromo	
ELAUS	Gymnase	
ELB	Lambom Island	
ELBA	Catalca	
ELBAS	Elbasan	
ELBS	KAHRAMANMARAS_ Elbistan	
ELC	Elco	
ELD	Ethyl Lake Duckett	
ELDR	Elanda	
ELDT	Eldivan	
ELDTW	Lidau	
ELF	Elginfield	
ELFA	Athens-Elefsina	
ELFMC	Lycee	
ELFO	Elginfield	
ELFS	Eagle Lake Field Station, Susanville	
ELGO	Elora Gorge	
ELGU	Los Guajares, Granada	
ELI	Lubumbashi	
ELI1	Hacienda Flor	
ELIB	Princess Elisabeth base, Queen Maud Land, Antarctica	
ELIJ	Sierra de Lijar	
ELIM	Elim	
ELIS	Ellis County	
ELIZ	Elizondo	
ELK	Elko	
ELL	Elmali	
ELLE	Elwoh	
ELLO	Elliot Lake	
ELM	Elma	
ELMC	El Mirage	
ELMO	Cerro Moro	
ELMS	Elmsett, Ipswich	
ELMT	Elliston	
ELN	Prospectdale	
ELNB	Elgin, New Brunswick	
ELND	Elena	
ELNV	Ellenville	
ELO	Logie Almond	
ELOB	Lobios	
ELOJ	Sierra Loja	
ELOR	Lorca, Murcia	
ELOT	Eilot	
ELOV	Elorza	
ELOY	ELOY ALFARO	
ELP	El Pangue	
ELPA	Fila Paraiso	
ELQ	El Quisco	
ELRC	Elmore Ranch	
ELRO	Cerro El Roble	
ELS	Elsinore Mountain	
ELSH	Elham, Standardhill Farm (Kent)	
ELT	Eltsovka	
ELT0	Eltsovka	
ELU	Electric Lake	
ELUQ	Luque	
ELV	Elvey	
ELVI	Sierra Elvira	
ELW	Echo Lake	
EL-WA	Ellensburg	
ELY	Ely	
ELYF	Elaudy	
ELZ	Elazig	
ELZG	Elazig	
EM-	Emporia	EM-KA
EMA	Elm	
EMAL	Malaga-Limonero	
EMAR	Monte Arcimis	
EMAZ	Mazaricos	
EMB	Emerald Bay	
EMBD	Embd, Mattertal	
EMCN	Etna Monte Conca	
EME	Emae	
EMEL	Melilla	
EMET	Ktahya-Emet	
EMFO	Monte Fontane	
EMFS	Etna Monte Frumento Supino	
EMGR	Monte Grosso	
EMHD	Djebel Mahouada	
EMI	Eightmile Canyon	
EMIJ	Mijas	
EMIL	Monte Intraleo	
EMIN	Mina Concepcion	
EMING	Emmingen-Liptingen DE	

Code	Station Name	Other
EMIR	Miracle	
EMK	Emporia	
EM-KA	Emporia	
EML	El Monte Cty Pk	
EMLI	Melilla	
EMLP	Malpasso	
EMM	East Machias	
EMMET	Emmethof	
EMMT	East Machias	
EMMW	East Machias	
EMN	Eldorado Mountains	
EMNR	Monte Nero	
EMO	Emosson	
EMON	Mondonedo	
EMOS	Mosqueruela	
EMPA		
EMPL	Monte Parmentelli	
EMPR	Esperanza - Manati, PR	
EMRE	Erzurum,Aziziye	
EMRS	Mersa Alam	
EMRV	Monte Ruvolo	
EMS	Emosson-Mur	
EMSA	Motta S. Anastasia	
EMSB	Eumseong	
EMSC	East Mesa	
EMSG	Monte Spagnolo	
EMT	Emmet	
EMUR	La Murta	
EMUT	Emma Park	
EMV	Vieux Emosson	
EMVT	Monte Vetore	
EMX	El Mayor	
EN-	Ellsinore	EN-MO
EN01	NECsaids, EN01	
EN02	NECsaids, EN02	
EN03	NECsaids, EN03	
EN04	NECsaids, EN04	
EN05	NECsaids, EN05	
EN06	NECsaids, EN06	
EN07	NECsaids, EN07	
EN08	NECsaids, EN08	
EN09	NECsaids, EN09	
EN10	NECsaids, EN10	
EN11	NECsaids, EN11	
EN12	NECsaids, EN12	
EN13	NECsaids, EN13	
EN14	NECsaids, EN14	
EN16	NECsaids, EN16	
EN17	NECsaids, EN17	
EN18	NECsaids, EN18	
EN19	NECsaids, EN19	
EN20	NECsaids, EN20	
EN21	NECsaids, EN21	
EN22	NECsaids, EN22	
EN23	NECsaids, EN23	
EN6*	Monte Nero	
ENA	Nanau	
ENAH	Nanao	
ENAUX	Enaux	
ENCS	Nicolosi	
ENDA	Endulen Rd	
ENDD	Endenburg	
ENEL	Enilchek, Kyrgyzstan	
ENEZ	Enez	
ENG	Engineer Hill	
ENGB	English Bluff	
ENGD	Engstlatt	
ENGI	Ein Gedi	
ENGR	Engrck	
ENH	Enshi	
ENIC	Nicolosi	
ENIJ	Nijar	
ENLB	Shoufeng	
ENLS	Nicolosi	
ENM	Eenrum	
ENM1	Eenrum	
ENM2	Eenrum	
ENM3	Eenrum	
ENM4	Eenrum	
EN-MO	Ellsinore	
ENMS	ENMS	
ENN	Epen	
ENPP	El Nido	
ENR	Entracque	
ENSF	Ens	
ENT	Entebbe	
ENTS	Ennepetalsperre	
ENTT	Nioudou	
ENUK	Enukweni	
ENV	Elp	
ENV1	Elp / Enerveen	
ENV2	Elp / Enerveen	
ENV3	Elp / Enerveen	
ENV4	Elp / Enerveen	
ENX	Ensenada	
ENZ	Enzan	
ENZZ	Sultanice-Enez-Edirne	
EO1	Edge Oya	
EO2TX	Elmo	
EOCU	Emergency Operations Center, State Capitol Campus, Salt Lake City, UT, USA	
EOFD	Oued Fodda	
EOLT	Oltu	
EORO	Oroz-Betelu	
EOS1	EOS1	
EOS2	EOS2	
EOS3	EOS3	
EOS4	EOS4	
EOSO	Osorio	
EP-	El Paso	EP-TX
EPA	Esparza	
EPAB	San Pablo	
EPALM	Reventador volcano	
EPAP	Piano d'Api	
EPAZ	Eden Park BICEP	
EPCH		
EPDN	Pizzo Deneri	
EPET	Petrulli	
EPF	Esparros	
EPH	Ephrata	
EPI	Epi	
EPID	Epidavros	
EPIS	Pennisi	
EPIT	Pozzo Pitarrone	
EPLA	Plasencia	
EPLC	Punta Lucia	
EPLO	Experimental Lakes	
EPM	Echo Peak	
EPMB	Univ. Columbia	
EPMC	Merrill Creek	
EPMN	Piedimonte	
EPNL	EPN Laboratorio de Estructuras	
EPOB	Poblet	
EPOL	Con Chiusa Politi	
EPON	Pontenova	
EPOS	Posof	
EPOZ	Pozzillo	
EPPA	Pizzo Paviglione	
EPR	East Pahranagat Range	
EPRM	East Prairie	
EPRU	Pruna	
EPSO	Coonabarabran	
EPT	El Paso	
EP-TX	El Paso	
EPU	East Promontory	
EPW	Ephrata	
EPYK	Eagle Plains	
EPZF	Pizzo Felice	
EQES	Quesada	
EQTA	Presa de Quentar	
EQUE	Quentar	
EQUI	Equi	
ER1	Erice	ERC
ER101	Early Rise 101	
ER102	Early Rise 102	
ER103	Early Rise 103	
ER104	Early Rise 104	
ER105	Early Rise 105	
ER106	Early Rise 106	
ER107	Early Rise 107	
ER108	Early Rise 108	
ER109	Early Rise 109	
ER110	Early Rise 110	
ER111	Early Rise 111	
ER112	Early Rise 112	
ER113	Early Rise 113	
ER114	Early Rise 114	
ER115	Early Rise 115	
ER116	Early Rise 116	
ER117	Early Rise 117	
ER118	Early Rise 118	
ER119	Early Rise 119	
ER120	Early Rise 120	
ER201	Early Rise 201	
ER202	Early Rise 202	
ER203	Early Rise 203	
ER204	Early Rise 204	
ER205	Early Rise 205	
ER207	Early Rise 207	
ER208	Early Rise 208	
ER209	Early Rise 209	
ER210	Early Rise 210	
ER211	Early Rise 211	
ER212	Early Rise 212	
ER213	Early Rise 213	
ER215	Early Rise 215	
ER216	Early Rise 216	
ER217	Early Rise 217	
ER218	Early Rise 218	
ER219	Early Rise 219	
ER220	Early Rise 220	
ER221	Early Rise 221	
ER222	Early Rise 222	
ER223	Early Rise 223	
ER224	Early Rise 224	
ER225	Early Rise 225	
ER226	Early Rise 226	
ER227	Early Rise 227	
ER228	Early Rise 228	
ER229	Early Rise 229	
ER230	Early Rise 230	
ER231	Early Rise 231	
ER232	Early Rise 232	
ER234	Early Rise 234	
ER235	Early Rise 235	
ER236	Early Rise 236	
ER237	Early Rise 237	
ER238	Early Rise 238	
ER239	Early Rise 239	
ER241	Early Rise 241	
ER242	Early Rise 242	
ER300	Early Rise 300	
ER301	Early Rise 301	
ER302	Early Rise 302	
ER303	Early Rise 303	
ER304	Early Rise 304	
ER306	Early Rise 306	
ER307	Early Rise 307	
ER308	Early Rise 308	
ER309	Early Rise 309	
ER310	Early Rise 310	
ER311	Early Rise 311	
ER312	Early Rise 312	
ER313	Early Rise 313	
ER314	Early Rise 314	
ER315	Early Rise 315	
ER316	Early Rise 316	
ER317	Early Rise 317	
ER318	Early Rise 318	
ER319	Early Rise 319	
ERB	Rabaul (IGS)	
ERBA	Erbaa	
ERBM	Eremo	
ERBR	Yeremizino-Borisovskaya	
ERC	Erice	
ERCT	Erciyes	
ERCV	ERCIS-VAN	
ERD	Erdek	
ERE	Yerevan	
EREA	Eretria	
EREN	Erenkoy	
ERET	Eretria	
ERG	Entre ros, Cuyotenango	
ERI	Eureka Ridge	
ERIA	Liberia	
ERIK	Erikli-Kesan	
ERIN	Erian - IBB Gov. - Yemen	
ERIP	Rio Piedras	
ERK	Elk Rock	
ERM	Erimo	
ERMK	Ermenek	
ERMT	East Ridge	
ERMX	Rumorosa	
ERN	Ernestine	
ERNS	Erzin	
ERON	Agron	
EROQ	Roquetas del Mar	
EROSC	El Rosal, ROS	
ERP	Erie	
ERPA	Erie	
ERPC	Ernies Place	
ERPF	Erpfingen	
ERPM	east rand property ines	
ERR	Err	
ERRC	Elmore Ranch	
ERS	Ellisras	
ERSA	Rifugio Sapienza	
ERT	Erto-Casso	
ERTA	Horta de San Juan	
ERTE	Erta Ale	
ERTU	Ertsjaerv	
ERU	Erunakovo, Kuzbass, Russia	
ERUA	La Rua	
ERW	Mount Erie	
ERZ	Erzurum	
ERZC	Erzyncan	
ERZM	Erzurum	
ERZN	Erzincan	
ERZT	Erzurum	
ES-	Espanola	ES-ON
ES01	SONSECA Array Site 01	
ES02	SONSECA Array Site 02	
ES03	SONSECA Array Site 03	
ES04	SONSECA Array Site 04	
ES05	SONSECA Array Site 05	
ES06	SONSECA Array Site 06	
ES07	SONSECA Array Site 07	
ES08	SONSECA Array Site 08	
ES09	SONSECA Array Site 09	
ES10	SONSECA Array Site 10	
ES11	SONSECA Array Site 11	
ES12	SONSECA Array Site 12	
ES13	SONSECA Array Site 13	
ES14	SONSECA Array Site 14	
ES15	SONSECA Array Site 15	
ES16	SONSECA Array Site 16	
ES17	SONSECA Array Site 17	
ES18	SONSECA Array Site 18	
ES19	SONSECA Array Site 19	
ES2	Esso	
ESA	Esa-ala	
ESAC	San Caprasio	
ESAD	Djebel Saadia	
ESAL	Sant'Alfio	
ESAN	Monte dei Santi	
ESAO	Su ao	
ESAR	Angra dos Reis-Rio de Janeiro-Brazil	
ESB	Esa-ala	
ESBB	Sonseca Array BB	
ESC	El Salvador	
ESCA	l'Escarene	
ESCF	Escot	
ESCO	ESCO Site	
ESCV	Scorciavacca	
ESD	East Dome	
ESDC	Sonseca Array Beam Reference Point	
ESE	Esentepe	
ESEL	Selva	
ESEN	Aydn-Nazilli-Esenk¶y	
ESF	Shoufeng Township	
ESFA	Espinillo Formosa - Argentina	
ESGS	El Segundo	
ESGZ	Sivrice-Elazig	
ESH	Esan	
ESIJ	Sivrice-Elazig	
ESION	College des Creusets, Sion	
ESJX	Sierra Juarez	
ESK	Eskdalemuir	
ESKT	Eskisehir	
ESKU	Eskilstuna	
ESL	Shilin	
ESLA	Sonseca Array Site A	
ESLB	Sonseca Array Site B	
ESLC	Sonseca Array Site C	
ESLD	Sonseca Array Site D	
ESLE	Sonseca Array Site E	
ESLF	Sonseca Array Site F	
ESLG	Sonseca Array Site G	
ESLN	Serra La Nave	
ESM	Semalu	
ESM1	Las Peas - Esmeraldas	
ESMB	Sidi M'hamed Benaouda	
ESME	Juntas	
ESML	S. M. di Licodia	
ESMR	San Marino	
ESMT	Esmerelda Mountain	
ESND	Charing Cross	
ESNK	Esenk¶y	
ESO	Esso	
ES-ON	Espanola	
ESP	Espenschied	
ESPC	Serra Pizzuta	
ESPN	Las Esperanzas	
ESPO	Espot	
ESPR	Espera	
ESPY	Espiye-Giresun	
ESPZ	Base Esperanza	
ESQI	Esquipulas	
ESR	Escape Road	
ESRB	Sir Abu	
ESRMX	Riito, ESR	
ESRO	Monte Soro	
ESS	CRAAG	
EST	Estancia	
ESTA	Talpa de Allende	
ESTN	Esteli@15	
ESTP	Estepa	
ESTR	Eastside	
ESU	Esutoru	
ESVO	Monte Scavo	
ESY	Stoneypath	
ET03	Palhano	
ET2	Eltopia	
ET3	Eltopia	
ETA	Tara	
ETAN	Djebel Tanoua	
ETAR	Tardaria	
ETAZ	East Tamaki Reservoir	
ETB	Estevan Point	
ETC	El Centro	
ETEKE	Tekederesi - Erzurum	
ETER	Terradas	
ETFI	Torre del Filo	
ETG	Eatonton	
ETH01	ETH01	
ETH02	ETH02	
ETH03	ETH03	
ETH04	ETH04	
ETH05	ETH05	
ETH06	ETH06	
ETH07	ETH07	
ETH08	ETH08	
ETHB	Djebel Tachoubennt	
ETKA	Kagalaska Island	
ETL	Fush Village	
ETLH	Xiulin Township	
ETM	Tongmen	
ETM2	Extrema - RO	
ETMB	Extrema	
ETNF	Estrennes	
ETOB	Tobarra	
ETOR	Torete	
ETOS	Mallorca	
ETP	Eltopia	
ETRA	Estrella	
ETRT	Tiaret	
ETRV	Los Montesinos	
ETS	Engine Test Stand	
ETSF	Etsaut	
ETT	Etowah	
ETU	East Traverse Mountains	
ETV	Tovanakuss	
ETVZ	East Tongariro	
ETW	Entiat	
ETX01	County Road 4772, Timpson	
ETX02	Prairie Street, Timpson	
ETX03	FM Road 95, Garrison	
ETX04	Route FM415 near Route 87	
ETX06	Route 59 and County Road 4763, Timpson	
ETX07	County Road 4760 near Route FM1970, Timpson	
ETYK		
EU-	Eutaw	EU-AL
EU2	Eutaw	EU2AL
EU2AL	Eutaw	
EU-AL	Eutaw	
EUAT	Ohonua, Eua	
EUC	Eureka Canyon	
EUCT	Pavia	
EUGM	Eugowra	
EUM	Eureka Mesa	
EUNU	Eureka	
EUO	Eugene	
EUR	Eureka	
EURB	Uiryeong-eup	
EUSB	Uiseong	
EUW	Eureka	
EUZM	Uzumlu	
EVA	Evander	
EVAL	Valverde	
EVAR0	San Evaristo	
EVCC	Everett College ANSS-SMO	
EVE	Everglades	
EVEN	Evensk	
EVES	Evensk	
EVGI	Lefkada island	
EVGW	Everett Gateway Middle School ANSS-SMO	
EVIA	Vianos	
EVIN	Evansville	
EVIV	Cofrentes, Valencia	
EVN	Everest	
EVNA	Vena	
EVNR	Evensk	
EVO	Evora	
EVOP	Sao Brissos	
EVR	Evrytania	
EVRN	Santa Venerina	
EVV	El Vigia	
EVZ	Mount Varzin	
EW-	Eniwetok	EW-IS
EW01	NECsaids, EW01	
EW03	NECsaids, EW03	
EW04	NECsaids, EW04	
EW05	NECsaids, EW05	
EW06	NECsaids, EW06	
EW07	NECsaids, EW07	
EW08	NECsaids, EW08	
EW09	NECsaids, EW09	
EW10	NECsaids, EW10	
EW11	NECsaids, EW11	
EW12	NECsaids, EW12	
EW13	NECsaids, EW13	
EW14	NECsaids, EW14	
EW15	NECsaids, EW15	
EW16	NECsaids, EW16	
EW17	NECsaids, EW17	
EW18	NECsaids, EW18	
EW19	NECsaids, EW19	
EW2	E Wide Canyon 2	
EW20	NECsaids, EW20	
EW21	NECsaids, EW21	
EW22	NECsaids, EW22	
EW23	NECsaids, EW23	
EWATT	Kantonsschule Wattwil	
EWC	East Wide Canyon	
EW-IS	Eniwetok	
EWJHS	Al Wajh	
EWT	Watom Island	
EWUT	Wuta	
EWZ	Erewhon	
EWZT0	Triemli, ZR	
EWZT1	Frdhf. Weidikon, ZR	
EWZT2	Wettswil, ZR	
EWZT3	Uitikon, ZR	
EXAA	Alhama Almeria	
EXAD	Adra	
EXAG	Alhama Granada	
EXAGE	Algeciras	
EXAGI	Aguilas, Murcia	
EXAGR	Agron	
EXAHM	Alhama Murcia, Murcia	
EXAI	Alicante	
EXAL	Albunol	
EXAM	Almeria	
EXAO	Algodonales	
EXAR	Arenas del Rey	
EXAYA	Ayamonte	
EXBA	Badajoz	

Code	*Station Name*	*Other*
EXBAR	Barbate	
EXBE	Becerrea'	
EXBN	Benidorm	
EXBUL	Bullas, Murcia	
EXBZ	Baza	
EXC	Excelsior	
EXCA	Cadiz	
EXCAB	Granada	
EXCBR	El Cabril	
EXCH	Chimeneas	
EXDI	Dilar	
EXED	Elda	
EXEE	El Ejido	
EXEJI	El Ejido	
EXEL	Elche	
EXES	Estepona	
EXG	Exogi	
EXGA	Gandia	
EXGRA	Granada	
EXGUA	Guardamar (Alicante)	
EXHU	Huelva	
EXHUO	Hurcal-Overa, Almera	
EXILP	La Palma	
EXJA	Jaen	
EXJU	Jumilla	
EXLO	Lorca	
EXLR	Lorqui	
EXLU	Lugo	
EXMA	Malaga	
EXMAZ	Mazarron	
EXMO	Motril	
EXMOR	Moron de la Frontera	
EXMU	Mula	
EXOR	Olula del Rio	
EXPA	Pamplona	
EXPDH	Pilar de la Horadada	
EXPTO	Acel. Puerto Lumbreras	
EXQUE	Queralbs	
EXRIP	Ripoll, Girona	
EXROQ	Roquillos	
EXSA	Sarria	
EXSEU	La Seu d"Urgell	
EXSF2	Acel. Santa Fe	
EXSG	Experiment Station	
EXTA	Tarifa	
EXTO	Torrevieja	
EXTOT	Acel. Totana	
EXTPC	Torre Pacheco	
EXVE	Vera	
EXVE2	Vera, Almera	
EXZAR	Zarcilla de Ramos, Murcia	
EY-	Ely	EY-NV
EY2	Ely	EY2NV
EY2NV	Ely	
EYAK	Cordova Ski Area	
EYCZ	Eyrewell	
EYES	Ewing Young ES, Newberg ANSS-SMO	
EYL	Eskiyayla	
EYMN	Ely	
EY-NV	Ely	
EYP	El Yunque	
EYUL	Yuli	
EZ5V		
EZAM	Zamans	
EZAR	Zarzadilla de Totana, Murcia	
EZC	Erzincan	
EZEK	Zmalet El Emir Abdelkader	
EZM	Erzurum	
EZN	Ezine	
EZNC	La Esperanza	
EZNE	Ezine-Canakkale	
EZPO	C.da Z Pietro	
F03A	Seaside	
F04A	Amboy	
F04D	Rainier, OR	
F05A	White Salmon	
F05D	White Salmon	
F06A	Goldendale	
F07A	Phinny Hill Vineyards, Prosser	
F08A	Pendleton	
F09A	S2 Ranch, Elgin	
F10A	Beach Ranch, Enterprise	
F11A	Grangeville	
F12A	Elk City	
F13A	Darby	
F14A	Wisdom	
F14K	Arctic Creek	
F15A	Butte	
F15K	North Star Ditch	
F16A	Kennard Place, Willow Creek	
F17A	Fitzpatrick Place, Clyde Park	
F17K	Baldwin Penninsula	
F18A	Big Timber	
F18K	Selawik	
F19A	Roth Farm, Molt	
F19K	Shaleruckik Mountain	
F20A	Billings	
F20K	Avaraart Lake	
F21A	Absaloka Mine, Hardin	
F21K	Alatna River	
F22A	Rosebud	
F22K	John River	
F23A	Volborg	
F24A	Ekalaka	
F24K	Squaw Lake	
F25A	Bowman	
F25K	Christian River	
F26A	Lodgepole	
F26K	Sheenjek River	
F27A	Lemmon	
F28A	McLaughlin	
F28M	Old Crow	
F29A	Eureka	
F30A	Leola	
F30M	Barrier River	
F31A	Hecla	
F31M	Tsiigehtchic	
F32A	Veblen	
F33A	5 Mile Ranch, Herman	
F34A	Alexandria	
F35A	Swanville	
F36A	Milaca	
F37A	Hinrichs Farm, Grantsburg	
F38A	Pierce - Schroeder Farm, Trego	
F39A	Loretta	
F40A	Park Falls	
F41A	Three Lakes	
F42A	Maple Grove Farm, Niagara	
F43A	Flat Rock, Escanaba	
F44A	Big Bay de Noc Black Bears, Cooks	
F45A	CMU Biological Station, Beaver Island	
F46A	Macinaw City Comets, Mackinaw City	
F48A	Evansville	
F49A	Sandfield	
F51A	Arnstein	
F52A	Sundridge	
F55A	Otter Lake	
F57A	Harrington	
F58A	St-Lin Laurentide	
F59A	Saint Guilaume	
F60A	Warwick	
F61A	St Evariste	
F62A	Pittston Farm, Pittston Academy Grant	
F63A	Nahmakanta, Browneville	
F64A	Sherman	
FA05	FA05	
FA06	FA06	
FA07	FA07	
FA08	FA08	
FA09	FA09	
FA1	Favara	FAI
FA10	FA10	
FA11	FA11	
FAB	Fabrichnaya	
FABR	Ouro Preto, Brazil	
FABU	Falkenberg	
FAC	Faja de Cima	
FACH	Fachingen	
FAE	Faenza	
FAEN	Faenza	
FAG	Fagaras	
FAGN	Fagnano	
FAGO	Alcalda de San Francisco Gotera	
FAHL	Forsthaus Ahlhorn	
FAHY	Fahy-L¨s-Autrey	
FAI	Favara	
FAI02	FAICCHIO	
FAIMX	FAI	
FAIR	Fairbairn	
FAKI	Fak Fak	
FAL	Falling Springs	
FALC	Falconara Albanese	
FALK	Falkenberg	
FALL	Mountain Creek	
FALS	False Pass	
FALU	Falun	
FAM	Famagusta	
FAME	Alcaldia de San Francisco Menendez	
FAN	Fanning Island	
FANE	Correggio Fan	
FA-NV	Faultless	
FAQ	Al Faqa, Dubai	
FAR	Faro	
FARB	Farallon Islands	
FARG	Farmington	
FARH	Faro	
FARK	Farkhor	
FARM	Veracruz	
FARO	Faro, Yukon	
FASA	Fasano	
FAT	Fatmalar	
FAU	Forcella Aurine	
FAUS	Fauske	
FAV	Fayetteville	
FAVR	Favara	
FAY	Fayetteville	
FAZ	Faenza	
FB03	FB03	
FB05	FB05	
FB06	FB06	
FB07	FB07	
FB08	FB08	
FB09	FB09	
FB10	FB10	
FB11	FB11	
FB2AK	Fairbanks	
FBA	Fairbanks	
FB-AK	Fairbanks	
FBAL	Fairbanks--Long Period	
FBAS	Fairbanks	
FBB	Freiburg im Breisgau	
FBC	Frobisher Bay	
FBE	Freiberg	
FBG	Trois Rivieres	
FBK	Fairbanks	
FBMT	Ferry Basin	
FBN	Frobisher Bay	FRB
FBO	Farmers Butte	
FBR	Fabra	
FBT	Foumbot	
FC03	FC03	
FC03D	FC03D	
FC04	FC04	
FC05	FC05	
FC06	FC06	
FC07	FC07	
FC08	FC08	
FC09	FC09	
FC10	FC10	
FC11	FC11	
FCAB	Cabia	
FCAR	Ozark Folk Center	
FCBC	Franklin Camp	
FCC	Fort Churchill	
FCH	Farellones	
FCN	Frijoles Canyon	
FCOR	Fonte Corniale	
FCV	Fort Charlotte	
FD03	FD03	
FD04	FD04	
FD05	FD05	
FD06	FD06	
FD07	FD07	
FD08	FD08	
FD09	FD09	
FD11	FD11	
FD12	FD12	
FD14	FD14	
FD15	FD15	
FDA	Foz do Areia	
FDA4	Foz do Areia	
FDA5	Foz do Areia	
FDAF	Les Forges d'Abel	
FDAS		
FDCV	FORTIN DE LA CUMBRE	
FDF	Fort de France	
FDFM	Morne la Rosette, Martinique, France	
FDG1	Firdgum	
FDG2	Firdgum	
FDG3	Firdgum	
FDG4	Firdgum	
FDGR	Fonds-de-Gras	
FDKY	Freedom	
FDMO	Fiordimonte	
FDS	Forni di Sopra	
FDU	Ford Ridge	
FE03	FE03	
FE04	FE04	
FE05	FE05	
FE06	FE06	
FE07	FE07	
FE08	FE08	
FE09	FE09	
FE10	FE10	
FE11	FE11	
FE12	FE12	
FE13	FE13	
FE14	FE14	
FE15	FE15	
FEA	Feather Falls	
FECT	Ferrara Citta	
FEF	Fern Forest	
FEKT	Feke	
FEL	Feldberg	
FELD	Feldberg im Schwarzwald	
FEMA	Monte Fema	
FEN	Shenyang	
FENE	Fenestrelle	
FENY	Casa Vinicio Caceres	
FEO	Feodosiya	
FER	Ferndale	
FER1	Fernandina1, Punta Espinoza	
FER2	Fernandina2, Punta Mangle	
FERB	Ferrara borehole (Italy)	
FERC	Galatro	
FERN	Isla Fernandina	
FERR	Ferguson	
FERS	Ferrara-Casaglia	
FESP	Espira	
FETA	Feichten	
FETI	Fethiye-Mugla	
FETY	Fethiye	
FF02	FF02	
FF04	FF04	
FF05	FF05	
FF06	FF06	
FF07	FF07	
FF11	FF11	
FF12	FF12	
FF13	FF13	
FF14	FF14	
FF15	FF15	
FF30	FF30	
FF31	FF31	
FF32	FF32	
FF33	FF33	
FF90	FF90	
FF91	FF91	
FF92	FF92	
FF93	FF93	
FF94	FF94	
FFB1	Fuerstenfeldbruck Borehole	
FFBG	Frank Field Bay, Greenland	
FFC	Flin Flon	
FFD	Franklin Falls Dam	
FFNB	Fofonovo	
FFNT	Fontanafredda	
FG01	FG01	
FG02	FG02	
FG03	FG03	
FG04	FG04	
FG05	FG05	
FG06	FG06	
FG07	FG07	
FG08	FG08	
FG09	FG09	
FG1	Foggia	FOG
FG10	FG10	
FG11	FG11	
FG12	FG12	
FG13	FG13	
FG14	FG14	
FG2	Serracapriola	
FG3	Mte Sant'Angelo	
FG4	Candela	
FG5	Orsara di Puglia	
FG6		
FGAF	Fogo	
FGG	Foggia	FOG
FGMA	Fogo	
FGMB	Fogo	
FGMS	Monte Sant'Angelo	
FGMV	Fogo	
FGO	Fuego	
FGO2	Fuego 2	
FGPP	Fogo	
FGRZ	Gorizia	
FGSL	Fruska Gora	
FGTN	Flat Gap	
FGTQ	Fig Tree	
FGTT	Fogo	
FGU	Flaming Gorge	
FH-	Fort Sherman	FH-PM
FH02	FH02	
FH03	FH03	
FH04	FH04	
FH05	FH05	
FH06	FH06	
FH07	FH07	
FH09	FH09	
FH10	FH10	
FH11	FH11	
FH12	FH12	
FH13	FH13	
FH14	FH14	
FHBB	Fair Harbour	
FHC	Fickle Hill	
FHE	Frenchman Hills East	
FHMC	Merrill Creek	
FHO	Fitzroy Harbor	
FH-PM	Fort Sherman	
FHRB	Fair Harbour	
FHV	Haldarsvik	
FIA0	FINESS Array Site A0	FINES
FIA1	FINESS Array Site A1	
FIA2	FINESS Array Site A2	
FIA3	FINESS Array Site A3	
FIAM	Fiamignano	
FIB	Fire Island	
FIB1	FINESS Array Site B1	
FIB2	FINESS Array Site B2	
FIB3	FINESS Array Site B3	
FIB4	FINESS Array Site B4	
FIB5	FINESS Array Site B5	
FIB6	FINESS Array Site B6	
FIBO	Fila Bonilla	
FIBU	Brunna	
FIC1	FINESS Array Site C1	
FIC2	FINESS Array Site C2	
FIC3	FINESS Array Site C3	
FIC4	FINESS Array Site C4	
FIC5	FINESS Array Site C5	
FIC6	FINESS Array Site C6	
FICA	Fila Carbon	
FICH	Ethiopian Broadband Seismic Experiment	
FID	Port Fidalgo	
FIE	Fiesole	
FIER	Fieri	
FIESA	Fiescheralp	
FIG	Monte Figo	
FIGC	Figueroa Mtn.	
FIGM	Figuig	
FIK	Fieale Koma	
FIL	Fillmore	
FILF	Fillols	
FILI	Fyli	
FIN	Finale Ligure	
FINA	Paso Real	
FINB	Finale Ligure	
FINC	Finschhafen	
FINE	Fine	
FINES	FINESS Array Beam Reference Point	
FINN	Finn Hill Junior High School	
FINU	Finntorp	
FINV	Invillino	
FIPE	Fila de Piedra	
FIR	Firenze	
FIRM	Firavahana	
FIS	Fire Island	
FISA	Sacuragua	
FITO	Golfito	
FITX	Fitzroy Crossing	
FITZ	Fitzroy Crossing	
FIU	Minerbio Fiu	
FIU1	Fiuminata	
FIUBA	FACULTAD INGENIERA (UBA)	
FIVI	Fivizzano	
FJ01	FJ01	
FJ02	FJ02	
FJ03	FJ03	
FJ05	FJ05	
FJ06	FJ06	
FJ07	FJ07	
FJ08	FJ08	
FJ09	FJ09	
FJ11	FJ11	
FJ12	FJ12	
FJAO	Mina do Feijao, MG, Brazil	
FJIM	Fort Jim, California USA	
FK-	Franktown	FK-CO
FK04	FK04	
FK05	FK05	
FK06	FK06	
FK07	FK07	
FK08	FK08	
FK09	FK09	
FK10	FK10	
FK11	FK11	
FKAF	FKAF	
FKBC	Forrest Kerr	
FK-CO	Franktown	
FKH	Fakeheh	
FKI	Failaka Island	
FKJ	Fukue	
FKJD	Fukui	
FKK	Fukuoka	
FKO	Franklin	
FKPU	Falk	
FKS	Fukushima	
FL-	Fort Nelson	FL-BC
FL01	Flin Flon Array Site 1	
FL02	Flin Flon Array Site 2	
FL03	Flin Flon Array Site 3	
FL04	Flin Flon Array Site 4	
FL05	Flin Flon Array Site 5	
FL06	Flin Flon Array Site 6	
FL07	Flin Flon Array Site 7	
FL08	Flin Flon Array Site 8	
FL09	Flin Flon Array Site 9	
FL10	Flin Flon Array Site 10	
FL11	Flin Flon Array Site 11	
FL12	Flin Flon Array Site 12	
FL13	Flin Flon Array Site 13	
FL14	Flin Flon Array Site 14	
FL15	Flin Flon Array Site 15	
FL16	Flin Flon Array Site 16	
FL17	Flin Flon Array Site 17	
FL18	Flin Flon Array Site 18	
FL2	Flat Top 2	
FL31	Flin Flon Array Site 31	
FLA	Flat	
FLACH	Flaach	
FLAF	Flassans-sur-Issole	
FLAG	Flagstaff	
FLAM	Flamenco Island	
FLAR	Flin Flon Array Beam Reference Point	

Code	Station Name	Other
FLAS	Fullerton Airport	
FLAUT	fort du Flaut	
FL-BC	Fort Nelson	
FLCF	Florentin-la-Capelle	
FLDM	Woodland Mills	
FLDN	Fort Liard	
FLE	Fletcher	FLET
FLET	Fletcher	
FLF1	Flavio Alfaro-Manabi	
FLFR	Flavio Alfaro	
FLG	Flagstaff	
FLIN	Helmstadt-Bargen-Flinsbach	
FLK	Falkland Islands	
FLKY	Flemingsburg	
FLLB	Fletcher Lake Big Creek, BC	
FLN	La Foliniere	
FLO	Florissant	
FLO1	Florina	
FLO2	Florina	
FLOC	Florencia	
FLOF	La Fare-les-Oliviers - 13037	
FLOM	Florida	
FLOR	Flores Is	
FLOS	Flostrand	
FLP	Featherly Pass	
FLPT	Flippin	
FLR	Fall River	
FLRS	Floresville	
FLS	Las Flores	
FLSC	Flash Two Peak	
FLT	Fleetwood	
FLTG	Flechtingen	
FLU	Fool Peak	
FLV	Fish Lake Valley	
FLW	Foulwind	
FLWY	Flagg Ranch	
FLYU	Flymyra	
FM-	Fillmore	FM-UT
FMA	Fort MacArthur	
FMC	Four Mile Canyon	
FMF	Francis Marion National Forest	
FMKY	Fulgham	
FMNT	Fiuminata	
FMON	Montouss	
FMP	Fort Macarthur Park, San Pedro	
FMPA	Franklin College	
FMT	Funeral Mountains	
FMTX	Flower Mountain	
FM-UT	Fillmore	
FMW	Mount Fremont	
FN-	Franklin	FN-WV
FN01A	FN01A	
FN01C	FN01C	
FN02C	FN02C	
FN03A	FN03A	
FN03C	FN03C	
FN04C	FN04C	
FN05A	FN05A	
FN05C	FN05C	
FN06A	FN06A	
FN06C	FN06C	
FN07A	FN07A	
FN07C	FN07C	
FN08A	FN08A	
FN08C	FN08C	
FN09A	FN09A	
FN09C	FN09C	
FN10A	FN10A	
FN10C	FN10C	
FN11C	FN11C	
FN12A	FN12A	
FN12C	FN12C	
FN13C	FN13C	
FN14A	FN14A	
FN14C	FN14C	
FN16A	FN16A	
FN16C	FN16C	
FN17C	FN17C	
FN18A	FN18A	
FN18C	FN18C	
FN19A	FN19A	
FN19C	FN19C	
FNA	Florina	
FNBB	Fort Nelson	
FNBC	Fort Nelson	
FNC	Finlay Fork	
FNDO	Fernando de Noronha	
FNEB	Nbias	
FNF	Frandzen Federal Estate	
FNG	Fond-Bernard	
FNN	Franconia Notch	
FNO	Franklin	
FNSB	Fort Nelson	
FNT	Hobart	
FNVD	Fontana Vidola	
FN-WV	Franklin	
FO-	Fort Stockton	FO-TX
FOA	Forni Avoltri	
FOC	Focsani	
FOC6	Focsani	
FOCM	Foa	
FODE	Fodele	
FOE	Fourare	
FOEL	Foel Wylfa	
FOG	Foggia	
FOL	Foligno	
FOM	Fmeque, Cundinamarca	
FOMA	Nahampoana Res	
FON	Fontana	
FONT	Fontmartina	
FONW	Fourpeaked Station 2	
FOO	Floro	
FOPC	Foligno Prot Civ	
FOPK	Fourpeaked Volcano	
FOPO	AfricaArray/PSU - ZP	
FOR	Fordham	
FOR1	Fortaleza - CE	
FOR28	FORIO	
FORC	Fortuna	
FORD	Fort Ord Natural Reserve, California	
FORQ	Forestville	
FORR	Forrest	
FORT	Forrest	
FORU	Forsmark	
FOSD	Fosdinovo	
FOSS	Fourpeaked Station 1	
FOSV	Fossato di Vico	
FOT	Fontinhas	
FOTD	Funaoka	
FO-TX	Fort Stockton	
FOUF	Fouillouse	
FOURG	Fourg	
FOX	Fox Creek	
FOXC	Fox Airport	
FOZ	Fox Glacier	
FP03	FP03	
FP05	FP05	
FPAL	Fort Paine	
FPK		
FPMT	Flesher Pass	
FPN	Fairview Peak	
FPN1	Fairview Park	
FPOZ	Pozzuolo	
FPPC	Fogo--Pe de Pico	
FPRM	Premariacco	
FPST	Four Points	
FPTT	Spring Hill	
FPU	Francis Peak	
FPW	Fields Point	
FR-	Forsyth	FR-MA
FR05	FR05	
FR27	Wilpena Pound	
FRA	Furnas	
FRA1	Furnas	
FRAS	Faraa	
FRAZ	Fraserburg	
FRB	Frobisher Bay	
FRBT	Francisco Beltr£o	
FRC	Federal Ranch	
FRCO	San Francisco	
FRD	Ford Ranch, Anza	
FRDH	FRDH	
FRDS	Ferdows	
FRE	Fresno	
FRE8	Fregona	
FRED	Fred Haigh	
FREI	Freiburg, Hauptfriedhof	
FRES	Fresagrandinaria	
FREU	Neufra-Freudenweiler	
FRF	La Foret Royale	
FRG	Fergana	
FRGC	Fargo Canyon	
FRGS	Fruska Gora	
FRI	Friant	
FRIJ	El Hiral	
FRIM	Kepong	
FRIO	Frio	
FRIS	Frissel Point	
FRJS	Jabal Farasan	
FRK	Frink	
FRKB	FARRUKHABAD	
FRM	Flat River	
FRM1	Rumorosa	
FRM2	Fiarum2 CEA PB3	
FRMA	Ierapetra Chania	
FR-MA	Forsyth	
FRN	Fernie	
FRNC1	Faz. Rancharia - MS	
FRNF	Fournols	
FRNY	Flat Rock	
FRO	Froya	
FROB	Froelich Ranch	
FRON	Frontone	
FROS	Frosini	
FRP	Fremont Peak	
FRR	Firariana	
FRS	Fauresmith	
FRS1	Farsala	
FRSO	Firsovo	
FRSS	Farasan al Kabir	
FRSS2	Sair Farasan Island	
FRT	Faratahi	
FRTB	Fartura	
FRTM	Forrest	
FRTX	Fuller Ranch	
FRU	Bishkek	
FRU1	Bishkek	
FRV	Farmville	
FRZ	Fierza	
FRZN	Firenze Novoli	
FS-	Flagstaff	FS-AZ
FS01B	FS01B	
FS02B	FS02B	
FS02D	FS02D	
FS03	Four Seasons	
FS03B	FS03B	
FS04B	FS04B	
FS04D	FS04D	
FS05B	FS05B	
FS06B	FS06B	
FS06D	FS06D	
FS07B	FS07B	
FS07D	FS07D	
FS08B	FS08B	
FS08D	FS08D	
FS09B	FS09B	
FS09D	FS09D	
FS1	Fosdinovo	FSI
FS10B	FS10B	
FS10D	FS10D	
FS11B	FS11B	
FS11D	FS11D	
FS12B	FS12B	
FS12D	FS12D	
FS13B	FS13B	
FS13D	FS13D	
FS14B	FS14B	
FS14D	FS14D	
FS15B	FS15B	
FS15D	FS15D	
FS16B	FS16B	
FS16D	FS16D	
FS17B	FS17B	
FS17D	FS17D	
FS18B	FS18B	
FS19B	FS19B	
FS20B	FS20B	
FS41D	FS41D	
FS42D	FS42D	
FS43D	FS43D	
FS44D	FS44D	
FS45D	FS45D	
FSA	Cafayete	
FS-AZ	Flagstaff	
FSB	Fort Saint James	
FSC	Fuscaldo	
FSCY	Frank Sound, Grand Cayman	
FSD	Sut uroy	
FSGC	Sgonico	
FSH	Hochheid	
FSHM	Fish Creek	
FSHN	Troy, FSHM	
FSI	Fosdinovo	
FSJ	Fort Saint James	
FSJB	Fort St James	
FSK	Fiskardo	
FSMA	Fort Smith	
FSP	False Pass	
FSR	Penalolen	
FSSB	Fossombrone	
FST	Fort Simpson	
FST1	Fort Simpson	
FSTK	Fistikli	
FSU	Fish Springs	
FSV	Svinoy	
FSW	Finsterwolde	
FSW1	Finsterwolde 1	
FSW2	Finsterwolde 2	
FSW3	Finsterwolde 3	
FSW4	Finsterwolde 4	
FSW5	Finsterwolde 5	
FT-	Fort McLeod	FT-BC
FTA	Fortuna	
FTB	Fintinele	
FT-BC	Fort McLeod	
FTC	Fort Tejon	
FTIG	Fresnillo de Trujano	
FTM	Fortuna Mine	
FTMN	Fort Manro	
FTO	Torshavn	
FTR	Fort Ross	
FTV	Front Royal	
FTW	Fairmont	
FTZM	Fitzroy Falls	
FUB	Fube	
FUG	Fuego 3	
FUJ	Fuji-kawa	
FUK	Fukui	
FUL	Funchal	
FULB	Fuli	
FULC	Fullerton	
FULLY	Reservoir Mazembroz, Wallis, VS	
FULR		
FUM	Fumarole	
FUN	Funatsu	
FUN1	UHE Funil - MG	
FUNA	Funafuti	
FUNV	FUNVISIS	
FUORN	Ofenpass-Fuorn	
FUQ	Fuquene	
FUR	Furstenfeldbruck	
FURA	Afar, FUR	
FURC	Furnace Creek,Death Valley	
FURD	Furusato	
FURI	Furi	
FUSB	Fushanzhiwuyuanguanzhi	
FUSE	Fusea	
FUSIO	Fusio	
FUSS	Fushou	
FUT	Futatsui	
FUTA	Futaleufu@15	
FUTB	Futbol	
FUTU	Fugatoga	
FVA	Vagar	
FVAF	FVAF	
FVI	Forni Avoltri	
FVM	French Village	
FW01	Dallas Executive Airport	
FW02	City of Haslet	
FW03	Perrin-Whitt Elementary School	
FW04	University of Dallas	
FW05	UT at Dallas	
FW06	Azle	
FW07	Weatherford	
FW09	Farmers Branch	
FW11	UT at Arlington	
FW12	Venus	
FW13	Cleburne	
FW14	Alvarado	
FW15	Texas Christian University	
FW16	Waxahatchie	
FWS	Furtwangen	
FWV	Forest Hill	
FWVZ	Far West T-bar	
FX1	Attu Island--Fox	
FXWY	Fox Creek	
FY1	Fort Yukon	
FY2	Fort Yukon	
FY3	Fort Yukon	
FY4	Fort Yukon	
FY5	Fort Yukon	
FYD	Fayid	
FYM	Al Fayyum	
FYTO	Fytoko, Volos	
FYU	Fort Yukon	
FZND	Mina de Fazend£o MG, Brazil	
G01D	G01D	
G01S	Las Pataguas	
G02B	G02B	
G02D	G02D	
G02S	El Valle	
G03A	Yamhill	
G03A7	G03A7	
G03B	G03B	
G03D	McMinnville, OR	
G03D7	G03D7	
G03S	Los Ranchones	
G04A	Mulino	
G04B	G04B	
G04D	G04D	
G04S	G04S	
G05A	Wamic	
G05B	G05B	
G05D	Wamic, OR	
G05D7	G05D7	
G05S	G05S	
G06A	Carlson Farm, Grass Valley	
G06S	Barrancas	
G07A	Ruggs Ranch, Heppner	
G07S	G07S	
G08A	Pilot Rock	
G08S	Santa Teresa de Quinhue	
G09A	Cove	
G09B	G09B	
G09D	G09D	
G09S	Tricao	
G10A	Bishop Farm, Joseph	
G10B	G10B	
G10D	G10D	
G10S	G10S	
G11A	Walters Elk Ranch, Riggins	
G11B	G11B	
G11D	G11D	
G11S	G11S	
G12A	Big Creek, Yellow Pine	
G12B	G12B	
G12S	G12S	
G13A	Cobalt	
G13B	G13B	
G13D	G13D	
G13S	Cancha de Quillay	
G14A	Jackson	
G14S	G14S	
G15A	Dillon	
G15K	Niukluk	
G15S	G15S	
G16A	Moss Hill, Ennis	
G16K	Koyuk River	
G16S	G16S	
G17A	Pierce Place, Pray	
G17B	G17B	
G17D	G17D	
G17K	Kiwalik Mountain	
G17S	G17S	
G18A	Lazy EL Ranch, Roscoe	
G18B	G18B	
G18D	G18D	
G18K	Tagagawik	
G19B	G19B	
G19D	G19D	
G19K	Purcell Mountains	
G20A	Bridger	
G20B	G20B	
G20D	G20D	
G21A	Lodge Grass	
G21B	G21B	
G21D	G21D	
G21K	Allakaket	
G22A	Birney	
G22B	G22B	
G22D	G22D	
G22K	Bettles	
G23A	Biddle	
G23K	Bananza Creek	
G24A	Alzada	
G24K	Hadweenzic River	
G25A	Newell	
G25B	G25B	
G25D	G25D	
G25K	Bearman Lake	
G26A	Maurine	
G26B	G26B	
G26D	G26D	
G26K	Porcupine River	
G27A	Dupree	
G27B	G27B	
G27D	G27D	
G27K	Doyon Strip	
G28A	Parade	
G28B	G28B	
G29A	Hoven	
G29B	G29B	
G29D	G29D	
G29M	Pine Creek	
G30A	Faulkton	
G30A7	G30A7	
G30B	G30B	
G30M	tAoh Zraii Njik	
G31A	Conde	
G31M	Satah River	
G32A	Webster	
G33A	Ortonville	
G33B	G33B	
G33D	G33D	
G34A	Benson	
G34B	G34B	
G34D	G34D	
G35A	Watkins	
G35B	G35B	
G35D	G35D	
G36A	St. Michael	
G36B2	G36B2	
G36D	G36D	
G37B	G37B	
G37D	G37D	
G38A	Ridgeland	
G39A	Holcombe	
G40A	Rib Lake	
G41A	Antigo	
G42A	Mountain	
G43A	Wallace	
G45A	Suttons Bay	
G46A	Petoskey	
G47A	Hillman	
G50S	G50S	
G53A	Haliburton	
G54A	Lake Saint Peter	
G55A	Calabogie	
G57A	Newington	
G58A	Ormstown	
G59A	Clarenceville	
G60A	Masonville	
G61A	St-Isidore-de-Clifton	
G62A	West of Eustis	
G63A	Kingsbury	
G64A	Maxfield	
G65A	Princeton	
GA0S	Tapihue Array	
GA1S	Tapihue Array	
GA2S	Tapihue Array	
GA2TX	Grand Saline	
GA3S	Tapihue Array	
GA3TX	Grand Saline	
GA4S	Tapihue Array	
GAAQ	Galiote	
GAB	Gabbs	
GABY	Abymes - Guadeloupe	
GABZ	Array-Uganda/Tanzania zania - ZP	
GAC	Glen Almond	

Code	*Station Name*	*Other*
GACA	Gaecheon	
GACM	Adobe Creek	
GACO	Gateway	
GADA	Gvkgeada	
GADL	Gadlja	
GAEA	Gareloi East	
GAF	Gafsa	
GAFM	Point Arena AFB	
GAG1	Gagliole	
GAGG	Gaggia	
GAI	Gainesville	
GAIG	Gaighat	
GAKI	Gareloi-Kavalga I.	
GAL	Galerazamba	
GAL1	Galloway	
GALA	Gala	
GALAA	Gareloi Lava Pt.	
GALB	Galbreath Wildlands Preserve SSU	
GALC	Galileo	
GALE	Galera	
GALF	Gagliano Castelferrato	
GALG	Neuhausen (Enzkreis), Galgenberg	
GALN	Gameti Lake	
GALR		
GALT	Gorno-Altaysk, Altai Republic, Russia	
GAM	Garm	GAR
GAM01	Gampel, Insieme Werkstaetten	
GAMB	Gambell	
GAMB1	Gamboa	
GAMI	Galela, Maluku	
GAMM	Gam	
GAN	Gretna	
GANDO	Gandoh	
GANE	Gareloi Northeast	
GANF	Ganagobie	
GANJ	Ganja	
GANO	Gareloi North	
GAP	Garmisch-Partenkirchen	
GAPA	Garmisch-Partenkirchen	
GAPB	Gapyeong	
GAR	Garm	
GARC	Garzon, Huila	
GARD	Gard house	
GARG	Garrygala	
GARGN	Gargnano BS	
GARI	Garurganga	
GARIG	Gari	
GARM	Arbuckle	
GARN	Garrison	
GARO	Casa de Milton Calero-El Garrochal	
GAS	Alder Springs	
GAS1	Astara - Iran	
GASB	Alder Springs	
GASE	Gashen	
GASG	Gaspe, Quebec	
GASW	Gareloi Southwest	
GATE	Gambatesa	
GATR	Gnd/Air Tx Cntr	
GA-TX	Grand Saline	
GAU	Ngau Island	
GAUS	Gevers	
GAV	Glen Avon	
GAVD	Gavdhos	
GAVE	Gavelli	
GAVI	Passo Gaver BS	
GAWA	Igawa	
GAX1	Gleen Almond Test #1	
GAX2	Gleen Almond Test #2	
GAXM	Alexander Valley	
GAY	Galvasay	
GAYA	Gaya	
GAZ	Gaziantep	
GAZI	Gazipasa	
GAZK	Gazikoy-TEKIRDAG	
GAZZ	Gazzo Veronese (Italy)	
GB01	Guatemala OBS 1	
GB02	Guatemala Basin O.B.S. 2	
GB03	Guatemala Basin O.B.S. 3	
GB04	Guatemala Basin O.B.S. 4	
GB05	Guatemala Basin O.B.S. 5	
GB06	Guatemala Basin O.B.S. 6	
GB07	Guatemala Basin O.B.S. 7	
GB08	Guatemala Basin O.B.S. 8	
GB0S	GB0S	
GB1A	Borinquen Arriba	
GB1S	GB Array	
GB2S	GB Array	
GB3S	GB Array	
GB4S	GB Array	
GBA	Gauribidanur Array	
GBAM	Glenbawn Dam	
GBAN	Gaibana	
GBAS	Gorenja Brezovica	
GBB	Gable Butte	
GBBM	Glenbawn Bedrock	
GBC	Guantanamo Bay	
GBD	Granbergs Dal	
GBDM	Big Darby	
GBF	Grand Ballon	
GBG	Greensboro	
GBGM	Boggs Mountain	
GBI	Big Grassy Butte	
GBL	Gable Mountain	
GBLN	Grizzly Bear Lake	
GBM	Granite Butte	
GBMB	r-Guayllabamba-Cuerpo uerpo de Bomberos	
GBMF	Grand Be	
GBMM	Baldy Mountain	
GBMT	Granite Butte, Montana	
GBN	Guysborough	
GBNC	Greensboro	
GB-NM	Gasbuggy	
GBO	Fort Gibson	
GBOM	Black Oak	
GBOS	Grotte di Bossea	
GBPR	Guanica, Bosque Seco, PR	
GBR	Grand-Bara	
GBRA	Afar, GBR	
GBRS	Gornja Briga	
GBS	Qobustan	
GBS2	Las Lilas	
GBS3	Finca Las Imgenes	
GBT	Gilbert	
GBTN	Greenback	
GBV	Green Bank	
GBY	Granite Bay	
GBZ	Great Barrier	
GBZE	Gebze	
GBZT	Gebze	
GC-	Glacier Peak	GC-WA
GC02	Grant County #2	
GC1	Gold Cst Hrdrock	
GC1S	Gold Coast 1 Soft	
GC1T	GC Array	
GC2	Gold Coast Softrock	
GC2F	Gold Coast 2 Fill	
GC2S	GC Array	
GC3S	GC Array	
GC4S	GC Array	
GC5S	GC Array	
GCA	Glen Canyon	
GCAM	G?zelcaml?	
GCAZ	Grand Canyon	
GCBM	Chamberlain Ridge	
GCC	Granite Creek	
GCD	Castle Douglas	
GCG	Guatemala City	
GCIS	Gornji Cirnik	
GCK	Clark Valley	
GCL	Cushendall	
GCM	Grand Cayman	
GCMM	Cobb Mountain	
GCMP	Grenada, Carriacou, Mt. Pleasant	
GCMT	Greycliff	
GCPN	Pointe noire	
GCPR	Guaynabo City	
GCR	Grayling Creek	
GCRM	Castle Rock Springs	
GCSA	Galena City School	
GCSM	Cold Spring Mountain	
GCSZ	Gaunt Creek Borehole	
GCUF	Volcan Galeras	
GCVM	Cloverdale	
GCW	Grand Coulee	
GC-WA	Glacier Peak	
GCWM	Cow Mountain	
GCY	Glen Cove	
GD-	Grundy	GD-VA
GD1S	Gladstone Soft Rock	
GDB	GEDABAY	
GDCM	Dry Creek	
GDD	Ghadhada	
GDDB	Gadeokdo	
GDDT	Gundogdu	
GDFR	Guardialfiera	
GDH	Godhavn	
GDHS	Morne Mazeau, Deshaies	
GDL2	Guadalupe Mountain	
GDLC		
GDLE	Glaisdale, N Yorkshire Moors	
GDLN	Gardenia Lake, NWT	
GDLP	Chapalita	
GDM	Grand'Maison	
GDR	Gold River	
GDRO	Guardaramiro	
GDSD	La Dsirade Island	
GDU01	Guandu, BA	
GD-VA	Grundy	
GDXM	Geysers	
GDZ	Gediz	
GE-	Globe	GE-AZ
GEA	GELA	
GEA0	GERESS Array Site A0	
GEA1	GERESS Array Site A1	
GEA2	GERESS Array Site A2	
GEA3	GERESS Array Site A3	
GEAM	CSIRO Animal Health Laboratory	
GE-AZ	Globe	
GEB	Gebze	
GEB1	GERESS Array Site B1	
GEB2	GERESS Array Site B2	
GEB3	GERESS Array Site B3	
GEB4	GERESS Array Site B4	
GEB5	GERESS Array Site B5	
GEC1	GERESS Array Site C1	
GEC2	GERESS Array Site C2	GERES
GEC2A	GERESS ARRAY SITE C2A	
GEC2B	GERESS ARRAY SITE C2B	
GEC3	GERESS Array Site C3	
GEC4	GERESS Array Site C4	
GEC5	GERESS Array Site C5	
GEC6	GERESS Array Site C6	
GEC7	GERESS Array Site C7	
GECU	Ecuador Network	
GED	Gedeh	
GED1	GERESS Array Site D1	
GED2	GERESS Array Site D2	
GED3	GERESS Array Site D3	
GED4	GERESS Array Site D4	
GED5	GERESS Array Site D5	
GED6	GERESS Array Site D6	
GED7	GERESS Array Site D7	
GED8	GERESS Array Site D8	
GED9	GERESS Array Site D9	
GEDE	Greenville	
GEDT	Gedikpinar	
GEDZ	Gediz	
GEE	Geehi	
GEES	Gees Lookout	
GEG	Gegechkori	
GEIDO	Obergeiendorf	
GEIT	Geita	
GEJB	geojin	
GELF	Grande-Etoile	
GELI	Tayfur-Gelibolu	
GELR	Gelenjik	
GEM	Giv'at Ha'Em	
GEMT	Gemlik	
GEN	Genova	
GENF	Genat	
GENH	Genta-Ana	
GENI	Genyem	
GENL	Genova University	
GENO	Geno	
GENY	Geneseo	
GEO	Georgetown	
GEOMX	Hidalgo, GEO	
GEOST	Geostar deep sea observatory	
GEPF	Gemona	
GERES	GERESS Array Beam Reference Point	
GERM	Germantown	
GERV	Cosenza	
GET	Gonen	
GETA	Geita	
GEVA	Gevas	
GEWE	Ethiopia-Afar Geoscientific Lithospheric Experiment, Gewan	
GEXS	Deakin University, Geelong	
GEYT	Alibeck	
GEYV	SAKARYA_Geyve	
GEZ	Gezan	
GF-	Goldfield	GF-NV
GFA	Gafsa	
GFC	Funks Creek	
GFM	Grandfather Mountain	
GFN	Grafton	
GFNU	Grise Fiord	
GF-NV	Goldfield	
GFP	Griffith Park	
GFTM	Plant 15--Mercuryville	
GFW	Glenfield	
GG-	Grafenberg Ar.	GG-GR
GGC	Guia, Gran Canaria	
GGDA	Gangdong	
GGDB	Gageodo	
GGERF	Dalmarnock	
GGF	Granges-Gontardes	
GGGA	Ganggu	
GG-GR	Grafenberg	
GGLM	Glenview	
GGN	Saint George	
GGP	Refugio Guagua Pichincha	
GGPC	Guagua Pichincha Codigem	
GGPM	Geyser Peak	
GGPT	Toaza - Volcan Guagua Pichincha	
GGR	Gangavaram	
GGUM	Gualala	
GGV	Gabriel Gonzalez Videla	
GHA	Glashutten	
GHAJ	Ghor Haditha	
GHAN	Ghanteswor	
GHAR	Gharyan	
GHASH	GHASH	
GHAT	Ghardimaou	
GHB	Gharebagh	
GHBP	Garcia Hernandez, Bohol	
GHC	Gold Hill	
GHCM	House Creek	
GHGM	Hogback Ridge	
GHI	Gilbert Hill	
GHIB	Gold Hill	
GHIR	Ghir-Karzin	
GHLM	Highland Springs	
GHMGH	GHMGH	
GHMM	Hull Mountain	
GH-MS	Greenville	
GHNB	Nanoose	
GHO	Glory Hole Creek	
GHOM	Hamilton Opening	
GHRG	Ghorjomi	
GHRH	Al-Ghuwayriyah	
GHRR		
GHS	Gilroy Hot Springs	
GHSS	Government House	
GHV	Goochland	
GHVM	High Valley	
GHVR	GHOM	
GHW	Garrison Hill	
GHWR	Ruwais	
GHZJ	Ghuzeima	
GI-	Glendive	GI-MA
GIA	Geophysical Institute, University of Alaska	
GIA1	Giannitsa	
GIB	Gibilmanna	
GIBL	Gibalbin	
GID	Gilleleje	
GIDA	Gidamilanda	
GIDAE	Health Center, Gidami	
GIDE	GILAN DEYLAMAN	
GIE	Galapagos Islands	
GIF	Gifu	
GIF1	Ein Ya'akov	
GIF2	Ega'aton	
GIF4	Deir al-Asad	
GIF5	Pelekh	
GIF6	Kishor	
GIF7	Amirim	
GIF8	Amirim	
GIF9	Parod	
GIFN	Gifford Fjord, Baffin Island, Nunavut	
GIGA	Gigye	
GIGS	Gran Sasso	
GIL	Gilmore Creek	
GILB	Gilboa	
GILD	Guildford	
GILR	Gillis	
GILT	SW Tenn Gill Cnt	
GIM	North Isle of Man	
GI-MA	Glendive	
GIMEL	St. Georges / Gimel	
GIN	Stromboli-G	
GINA	Giannouli	
GINR	Hospital, Ginir	
GIO	San Gregorio	
GIP	Gileppe	
GIRC	Giron, Santander	
GIRL	Giralia	
GIRR	Girov	
GIS	Gissar	
GISR	Galati	
GIUL	Giuliano Di Roma	
GIUM	Giurgiulesti	
GIVF	Givet	
GIZ	Gizo	
GIZF	Gizeux - Indre-et-Loire - Centre-Val de Loire - France	
GIZZ	Gizzeria	
GJC	Grand Junction	
GJIK	Gjilan	
GJRN	Ganjari	
GKA	Goroka	
GKC	Gold King Creek	
GKD	Gaurikund	
GKN	Gorkha	
GKP	Gorka Klasztorna	
GKPR	Gorakhpur	
GL-	Garland	GL-TX
GL1R	Gelendzhik	
GL2	New Goldendale	
GLA	Glamis	
GLAD	Gladstone	
GLADS	Gladstone Plant	
GLAN	Grotte du Lazaret, Nice	
GLAT	Glass	
GLB	Gilahina Butte	
GLBA	Ca@14lilabad	
GLC	Glacier Island	
GLCR	Glaciar	
GLD	Golden	
GLDR	Gladkovskiy	
GLE	Glenmuick	
GLEN	Glenside	
GLFJ	Aqaba	
GLG1	Gilan-e-Gharb (Kermanshah, Iran)	
GLGT	Gilgit	
GLH	Golan-Tel Qazir	
GLHS	Glhisar (BURDUR)	
GLI	Glacier Island	
GLK	Glacier Lake	
GLKZ	Green Lake	
GLL	Jalalah	
GLM	Gilmore Dome	GLN
GLMI	Grayling	
GLMM	Glenmaggie	
GLMO	Le Moule	
GLN	Gilmore Dome	
GLNM	Glennies Creek Dam	
GLNS	Guglionesi	
GLO	Gloucester	
GLOK	Waldbreitbach	
GLOV	Gloversville	
GLP	Golpazari	GPA
GLR	Groom Lake Road	
GLS	Giles	
GLSP	General Luna, Surigao del Norte	
GLST	Glass	
GLT	Gallatin	
GLT4	Galati	
GL-TX	Garland	
GLVR	Golovnino	
GLWN	Glow Worm Lake	
GM-	Guantanamo	GM-CU
GMA	Granite Mountain	
GMAL	Guarumal, Veraguas	
GMAR	Gemona, Istituto Magrini Marchetti	
GMARE	Gumare	
GMB	Gambarie	
GMC	Macagua	
GMCM	McLaughlin Ranch	
GM-CU	Guantanamo	
GMDB	Geomundo	
GMG	Grassy Mountain	
GMHB	Gimhwa	
GMI	Garnes Mountain	
GMJI	Gumukmas	
GMK	Mull of Kintyre	
GMKM	Mount Konoctai	
GMLD	Gumuldur	
GMM	Mts of Mourne	
GMMM	Mayacamas Mountains	
GMN	Gold Mountain	
GMNA	Gemona	
GMNA0	Geumnam	
GMO	Grizzlie Mountain	
GMOM	Moffitt Ranch	
GMPB	Gimpo	
GMR	Groom Range	
GMRC	Granite Mountains Research Center, Essex	
GMRK	Grmije	
GMRZ	Gyumri	
GMS01	Gemsstock NE-Grat, Andermatt, UR	
GMTN	Garret Mountain	
GMU	Granite Mountain	
GMV	El Manteco	
GMVM	Gustavo A Madero	
GMW	Gold Mountain	
GN-	Gnome	GN-NM
GNAM	Navarro Ridge	
GNAR	Gosnell	
GNBR	Gunib	
GNEF	Genouille - 86104 - Vienne - France	
GNF	Goodnow Flow	
GNG	Grange	
GNG1	Mina Gongo Soco 1, MG - Brazil	
GNG2	Mina Gongo Soco 2, MG - Brazil	
GNG3	Mina Gongo Soco 3, MG - Brazil	
GNI	Garni	
GNK	Ganki	
GNKF	Gonabad	
GNKN	Gaynekanda	
GNL	Ganaly	
GNM	Golden	
GNN	Gunnerudssatern	
GN-NM	Gnome	
GNO	Genoa	
GNOC	Gnowangerup Cupla Days	
GNOT	Gnowangerup Town	
GNOU	Gnosjoe	
GNOW	Gnowangerup	
GNR	GANAUR	

Code	Station Name	Other
GNT	Gentilly	
GNU	Giano nell'Umbria	
GNV	Genova	
GNW	Green Mountain	
GNYT	Guneyli	
GNZ	Gisborne	
GNZP	Gunzipadi	
GO-	Gordon	GO-NB
GO01	Chusmiza	
GO02	Mina Guanaco	
GO03	Copiapo@15	
GO04	Tololo Observatory, Vicun@16a	
GO05	Hualan@16e@15	
GO06	Curarrehue	
GO07	Milladeo Hill, Quello@15n	
GO08	Villa O'Higgins	
GO09	Cerro Castillo	
GO10	Punta Arenas	
GOA	Goa	
GOAD	anakkale-G¶k§eada	
GOAT	Goat Mountain	
GOB	Galiano Island	
GOBA	Gobu	
GOBAX	Ethiopian Broadband Seismic Experiment	
GOBB	Galiano Island	
GOBN	Gobabis	
GOBY	Gobbelet	
GOC	Griffith Observatory	
GOCB	Gochang-gun	
GODA	Kyodong	
GODD	Goddelau	
GOET	G??ttrup	
GOF	Gofitskoye	
GOFR	Gofitskoye	
GOG	Mont Gurugu	
GOGA	Godfrey	
GOGM	North Grampians	
GOGS	Gogaran	
GOIL	Rosebud	
GOKA	anakkale-Gkeada	
GOKC	Gokceada-Canakkale	
GOKD	Ankara-Kalecik-Gokdere	
GOKT	Kean, EDRNE	
GOL	Golden	
GOLB	Goldborn	
GOLD	Kubaka	
GOLE	Ardahan-G¶lle	
GOLH	Golhisar	
GOLM	Goulmima	
GOLR		
GOLS	Golis@17e	
GOLV	Golondrinas	
GOM	Goma	
GOMA	Golmarmara-Manisa	
GOMAT		
GOMU	GeErMu	
GON	Gongen	
GO-NB	Gordon	
GOND	University, Gondar	
GONE	Gonen-Balikesir	
GONZ	Gonzanam	
GOO	Goomalling	
GOPC	GO Pecny, Ondrejov, Czech Republic	
GOR	Gori	
GOR1	Gortina	
GOR2	Laase	
GOR3	Gartow	
GOR5	Dangenstorf	
GOR6	Seerau	
GORA	Gorafe	
GORB	Goryachinsk	
GORC	Green Oak Ranch	
GORD	Gordes-Manisa	
GORE	GORE	
GOREE	District Admin Building, Gore	
GORG	Isola Di Gorgona	
GORR	Gorreto	
GORS	Gorjuse	
GORT1	Trebel	
GOS1	Gosan-ri	
GOS2	Gosang-Q330s	
GOT	Goteborg	
GOTU	Gotland	
GOU	Gould Hall	
GOU1	Goumenissa	
GOV	Govalcot	
GOWB	Gowlland Point	
GOY	Gornyy	
GOYR	Goytkh	
GOZ	Gozaisho	
GP-	Grand Rapids	GP-MN
GP03	Hacienda Santa Mara 3	
GP14	Hacienda Santa Mara 14	
GP77	Hacienda Santa Mara 77	
GPA	Golpazari	
GPD	Greenpond	
GPDO	Montville, Ohio	
GPMM	Pine Mountain	
GP-MN	Grand Rapids	
GPNO	Pichincha	
GPNR	Gulpinar-Canakkale	
GPO	China Lake	
GPS1	Guardaparques de Rincn de la Vieja	
GPS2	Hotel Rincn de la Vieja Lodge	
GPS3	Bodega del ICE en Pailas	
GPTB	Petit Bourg	
GPUR	Gopapur,Odisha	
GPV	Virgin Gorda Peak	
GPW	Glacier Peak	
GPY	Gippayama	
GPZ	Gebbies Pass	
GQP	Guinayangan	
GR1C	Gorgona, Isla Gorgona	
GR1TX	Grit	
GR2	Grit	GR2TX
GR2C	Griffith Obs. 2	
GR2TX	Grit	
GRA	Graz	
GRA1	Grafenberg Array	GRF
GRA2	Grafenberg Array	
GRA3	Grafenberg Array	
GRA4	Grafenberg Array	
GRAC	Grapevine Ranger Station, Death Valley	
GRAF	Camdeboo National Park, Graaff-Reinet, Eastern Cape	
GRAI	Grandview Point	
GRAM	Graiana	
GRAN	Grantham	
GRAS	Estacion GRAS, Guanacaste	
GRAU	Graesoe	
GRB	Gharib	
GRB1	Grafenberg Array	
GRB2	Grafenberg Array	
GRB3	Grafenberg Array	
GRB4	Grafenberg Array	
GRB5	Grafenberg Array	
GRBF	Gourbit	
GRBR	Gravata	
GRBT	Greenback	
GRC	Garchy	
GRC1	Grafenberg Array	
GRC2	Grafenberg Array	
GRC3	Grafenberg Array	
GRC4	Grafenberg Array	
GRCC	Green River Community College BBO	
GRCI	Grant Creek	
GRCU	Cariacou	
GRD	Gardner Farm	
GRDB	Briano	
GRDE	Gerede-Bolu	
GRDM	Monte Maddalena	
GRDQ	Quinzano	
GRDS	Las Granadillas	
GRDT	Desenzano Tresine	
GRE	Grenada	
GRE3	Grevena	
GREC	Grecia	
GRER		
GRESR	Susuman	
GRF	Grafenberg Array	
GRFF	Grenada Fort Frederick, Mt. Wheldale, St. Georges	
GRFL	Gerfalco	
GRFO	Grafenberg	
GRG	Griva	
GRG3	Giurgiu	
GRGC	Isla de Gorgona	
GRGR	Grenville	
GRH	Grahamstown	
GRHM	Grahamstown, Eastern Cape	
GRHS	Sauteurs	
GRI	Girifalco	
GRI*	Grit	GR1TX
GRIB	Gribbell Island, BC, CAN	
GRIC	Isle de Caille	
GRIMS	Grimsel Gerstenegg	
GRIN	Grindle Hills	
GRIS	Grisolia	
GRISU	ISU Giurgiu	
GRJ	Gorje	
GRJI	Gresik	
GRK	Goroka	
GRK1	Goroka	
GRL	Gorelyy	
GRLA	Grayling	
GRM	Grahamstown	
GRM2	AfricaArray - AF, GRM	
GRMC	Gramalote, Santander	
GRMI	Germi	
GRMM	Round Mountain	
GRN	Grenoble	
GRN*	Grenoble	
GRNB	Grenville Island	
GRNC	Granite Creek	
GRNM	Rancho Navarro	
GRNR	Gornyy	
GRO	Groznyy	
GROC	Groznyy	
GROG	Isola di Gorgona	
GROM	Round Mountain	
GRON	Grota Negra	
GROR	Grindstone Mountain	
GROS	Grobnik	
GRP	Granite Pass	
GRPR	Tuman	
GRQ	Grand Remous	
GRR	Gorron	
GRRI	Grays Lake	
GRRZ	Galatos Road	
GRS	Goris	
GRSN	GIRESUNGRSN	
GRSS	Sisters	
GRT	Gratio	
GRTK	Grand Turk	
GRTLG	Ghanzi	
GRTM	Round Top Mountain	
GRTR	Gornotajezhnoje	
GRTS	Gornotaezhnoe	
GRUS	Gruza	
GRV	Greenville	
GRVA	Griva	
GRVM	Greaves Creek	
GRVS	Gornovodnoe	
GRW	Mount Saint Catherine	
GRX	Grover	
GRY	Greymouth	
GRYON	Gryon	
GRYR	Gornoye	
GRZ	Great Barrier Island	
GRZ1	Mausoleum Waldhaus Greiz	
GRZA	Playa Garza	
GS-	Grantsville	GS-MD
GSA	Caltech--GSA	
GSAR	Gosnell High Sch.	
GSC	Goldstone, Barstow	
GSCK	Great Sitkin Cape Kiugilak	
GSCL	Gusciola	
GSCY	Girl Scout Camp	
GSF02	Oberaar-Guttannen, Baeregghuette, BE	
GSF03	Obergoms, Fort Galenhuetten Furkastrasse, VS	
GSGM	Seigler Mountain	
GSH	Grosshau	
GSI	Gunungsitoli	
GSIG	Igitkin Island	
GSM	Grass Mountain	
GSMB	CHITILA	
GS-MD	Grantsville	
GSMM	Socrates Mine	
GSMY	Great Sitkin Middle Yoke	
GSNA	Gyeongjusannae	
GSNM	Snow Mountain	
GSP	Gladstone Stream	
GSPH	General Santos City	
GSQ	Grosses Roches	
GSR	Geological Survey, Reston	
GSSM	Skaggs Springs	SKG
GSSP	Great Sitkin Saddle Point	
GSTB	Goldstream Park	
GSTD	Great Sitkin Triple Divide	
GSTR	Great Sitkin Teapot Rock	
GSUT	Gun Site Peak	
GSV	Goldstream Valley	
GSVT	Goldstream Valley	
GSZ	Glacier Shelter	
GT-	Galeton	GT-PA
GT2	Goat Mountain	
GTA	Gaotai	
GTBY	Guantanamo Bay	
GTC	Three Chop Ridge	
GTD	Georgetown	
GTFE	Ethiopia-Afar Geoscientific Lithospheric Experiment	
GTH2	Gythion	
GTIG	Gomez Farias	
GTK	Tadong	
GTM	Goat Mountain	
GTMO	Guantanamo	
GTMR	Gotvand	
GTN	Gotemba	
GTO	Geraldton	
GTOI	Gorontalo	
GTOO	Geraldton	
GTP	General Santos	
GT-PA	Galeton	
GTR	Jabal at Tayr	
GTRI	Great Rift	
GTS	Gentvishi	
GTSM	Trough Springs	
GTT	Gottingen	
GTTG	Gottingen	
GTTN	Green Top	
GTU	Guttu	
GTV	Cerro Toribio	
GTWN	Georgetown Playfield ANSS-SMO	
GUA	Guam	
GUA01	Guaratinga, BA	
GUA2	El Vergel	
GUA25	GUARDIA DEI LOMBARDI	
GUAB	Guayabo de Bagaces	
GUAC	Guacamaya	
GUAI	GUAI	
GUAL	Guallil	
GUAL3	Gualaca, Chiriqui	
GUAM	Guam	
GUAMO	Guam	
GUAN	Valle de Guanape	
GUAR	Guarcino	
GUAY	Guayacanes	
GUB	Guba	
GUBA	Police Station, Guba	
GUBL	Police Station, Gubleck	
GUD	Guadarrama	
GUDA	Gudauri	
GUDE	Ethiopian Broadband Seismic Experiment	
GUDG	Gudauri	
GUEC	Guerrero, Norte de Santander	
GUEF	Guhenno - 56071 - Morbihan - Bretagne - France	
GUI	Guimar	
GUIA	Guia de Isora, Tenerife	
GUIM	Jordan	
GUIO	Estacion GUIO Guanacaste	
GUIR	Guiratinga	
GUIV	Guiria	
GUL	Gulkana	
GULA	Gulagac	
GULE	Gulek	
GULF	Gulfidan-Ladik(Samsun)	
GULI	GuiLin	
GULN	MERSIN_Gulnar	
GULT	Gulveren	
GULW	Guler Mountain	
GUM	Guadalajara	
GUM2	Guadalajara 2	
GUMA	Gualdo di Macerata	
GUMO	Guam	
GUMR	Gum-Bashi	
GUMT	Gumushane	
GUN	Gumba	
GUNA	GUNA	
GUND	Gundaroo	
GUNE	Kayseri	
GUNV	Guanoco	
GUNZ	Gunzen	
GUO	Oaxaca	
GUR	Goura	
GURO	Guroymak-BITLIS	
GURV	El Guri	
GUSE	Guasayan	
GUT	Gutenstein	
GUV	Guri	
GUV1	Guri Network	
GUV2	Guri Network	
GUV3	Guri Network	
GUV4	Guri Network	
GUV5	Guri Network	
GUVC	San Jose del Guaviare	
GUVIX	Guadalupe Victoria	
GUWA	GUWAHATI	
GUWB	Gunwi	
GUY2C	Guyana, Caldas	
GUYB	Guaymas	
GUYC	Guyana, Colombia	
GUZR	Guzeripl'	
GV-	Grapevine	GV-TX
GVA	Apache Junction	
GVD	Gavdhos	
GVDA	Garner Valley	
GVDS	Gavdos	
GVI	Bet Guvrin	
GVL	Greenvale	
GVMR	Giv`at Hamore	
GVMRI	Ein Harod, GVMR	
GVN	Grapevine	
GVR	Green Valley Road	
GVRC	Garvey Reservoir	
GVS	Graniteville	
GV-TX	Grapevine	
GVV	Valley View	
GVZ	Greta Valley South Island, New Zealand	
GWBC	Aumenau	
GWBD	Espenschied/Hessen	
GWBE	Wiesbaden	
GWBF	Romrod	
GWBO	Ockenheim	
GWC	Great Whale River	
GWDE	Greenwood	
GWF	Grand Wintersberg	
GWH	Guwahati	
GWJ	Greenwich	
GWKM	Walker Ridge	
GWR	Great Whale R.	PBQ
GWRM	Wonder Ranch	
GWV	Greenwater Valley	
GWY	Greenwater Valley	
GWYB	Gwangyang	
GY-	Gaylord	GY-MN
GYA	Guiyang	
GYA0	ALIBECK ARRAY SITE A0	
GYA0B	ALIBECK ARRAY SITE A0B	
GYA1	ALIBECK ARRAY SITE A1	
GYA2	ALIBECK ARRAY SITE A2	
GYA3	ALIBECK ARRAY SITE A3	
GYB1	ALIBECK ARRAY SITE B1	
GYB2	ALIBECK ARRAY SITE B2	
GYB3	ALIBECK ARRAY SITE B3	
GYB4	ALIBECK ARRAY SITE B4	
GYB5	ALIBECK ARRAY SITE B5	
GYC2	GYE Cami Cisne II	
GYE1	Ecuador-Trinitaria-Transelectric	
GYE2	dor-Guayaquil-Estadio dio Unamuno	
GYE3	dor-Guayaquil-Kennedy edy Transelectric	
GYEB	Cerro Blanco	
GYGU	GYE Interagua Guasmos	
GYKA	GYE Cami Kartodromo	
GYL	Gyula	
GYM	Guaymas	
GY-MN	Gaylord	
GYMZ	Gyumri	
GYN	Goynuk	
GYO	Guyot Hills	
GYPL	GYE Consorcio Puerto Limpio	
GYPS	GYE Interagua Pantanos Secos	
GYZU	GYE Cami Zumar	
GZH	Guangzhou	
GZI	Ganzirri	
GZIER	Gzier-et-Fontenelay	
GZKV	Gazikoy-Tekirdag	
GZL	Zheleznogorsk city	
GZLA	Gyzyletrek	
GZLN	Zheleznogorsk	
GZLY	Gazly	
GZN	Ground Zero	
GZ-OH	Galion	
GZR	Gura Zlata	
GZS	Gozaisho	GOZ
GZT	Gaziantep	
GZTT	Gaziantep	
GZU	Grizzly Peak	
H01W1	Cape Leeuwin Hydroacoustic Site W1	
H01W2	Cape Leeuwin Hydroacoustic Site W2	
H01W3	Cape Leeuwin Hydroacoustic Site W3	
H02A	Toledo	
H02N1	VAN INLET T-PHASE SITE N1	
H02S1	DAWSON INLET T-PHASE SITE S1	
H02S2	DAWSON INLET T-PHASE SITE S2	
H03A	Soap Creek Ranch, Albany	
H03N1	Juan Fernandez Island Hydroacoustic Site N1	
H03N2	Juan Fernandez Island Hydroacoustic Site N2	
H03N3	Juan Fernandez Island Hydroacoustic Site N3	
H03S1	Juan Fernandez Island Hydroacoustic Site S1	
H03S2	Juan Fernandez Island Hydroacoustic Site S2	
H03S3	Juan Fernandez Island Hydroacoustic Site S3	
H04A	Detroit Lake	
H04D	Lebanon	
H04N1	CROZET ISLANDS HYDROACOUSTIC SITE N1	
H04N2	CROZET ISLANDS HYDROACOUSTIC SITE N2	
H04N3	CROZET ISLANDS HYDROACOUSTIC SITE N3	
H04S1	CROZET ISLANDS HYDROACOUSTIC SITE S1	
H04S2	CROZET ISLANDS HYDROACOUSTIC SITE S2	

Code	Station Name	Other
H04S3	CROZET ISLANDS HYDROACOUSTIC SITE S3	
H05A	Madras	
H05N1	Guadeloupe/Martinique T-Phase Site N1	
H05S1	Guadeloupe/Martinique T-Phase Site S1	
H06A	Lindquist Farm, Mitchell	
H06E		
H06E1	SOCORRO T-PHASE SITE E1	
H06N	Isla Socorro	
H06N1	SOCORRO T-PHASE SITE N1	
H06S		
H06S1	SOCORRO T	
H07A	Lands Inn, Kimberly	
H07N1	FLORES T-PHASE SITE N1	
H07S1	FLORES T-PHASE SITE S1	
H08A	Prairie City	
H08N1	Diego Carcia HYDROACOUSTIC SITE N1	
H08N2	Diego Garcia HYDROACOUSTIC SITE N2	
H08N3	Diego Garcia HYDROACOUSTIC SITE N3	
H08S1	Diego Carcia HYDROACOUSTIC SITE S1	
H08S2	Diego Garcia HYDROACOUSTIC SITE S2	
H08S3	Diego Garcia HYDROACOUSTIC SITE S3	
H09A	Durkee	
H09N1	TRISTAN DA CUNHA T-PHASE SITE N1	
H09W1	TRISTAN DA CUNHA T-PHASE SITE W1	
H10A	Noah's Angus Ranch, Cambridge	
H10N1	ASCENSION HYDROACOUSTIC SITE N1	
H10N2	ASCENSION HYDROACOUSTIC SITE N2	
H10N3	ASCENSION HYDROACOUSTIC SITE N3	
H10S1	ASCENSION HYDROACOUSTIC SITE S1	
H10S2	ASCENSION HYDROACOUSTIC SITE S2	
H10S3	ASCENSION HYDROACOUSTIC SITE S3	
H11A	Donnelly	
H11N1	WAKE ISLAND Hydroacoustic Site N1	
H11N2	WAKE ISLAND Hydroacoustic Site N2	
H11N3	WAKE ISLAND Hydroacoustic Site N3	
H11S1	WAKE ISLAND Hydroacoustic Site S1	
H11S2	WAKE ISLAND Hydroacoustic Site S2	
H11S3	WAKE ISLAND Hydroacoustic Site S3	
H12A	Diamond D Ranch, Stanley	
H13A	Challis	
H14A	Leadore	
H15A	Lima	
H16A	Russell Place, West Yellowstone	
H16K	Elim	
H17A	Grant Village	
H17K	Granite Mountain	
H18A	Shoshone NF, Cody	
H18K	Honhosa River	
H19A	Powell	
H19K	Roundabout Mountain	
H20A	Greybull	
H20K	Anotleneega Mountain	
H21A	Big Horn, Sheridan	
H21K	Melozitna River	
H22A	Clearmont	
H22K	Ishtalitna Creek	
H23A	Clabaugh Cattle Company, Gillette	
H23K	Yukon River	
H24A	Dirks Ranch, Alva	
H24K	Noodor Dome	
H25A	Fruitdale	
H25K	Birch Creek	
H25L	Birch Creek	
H26A	Fairpoint	
H27A	Howes	
H27K	Steamboat Mountain	
H28A	Mission Ridge	
H29A	Onida	
H29M	Whitestone	
H2O	Hawaii-2 Observatory	
H2OWA	Water	
H31A	Wolsey	
H31M	Peel River	
H32A	Carlson Farm, Erwin	
H33A	Prehn Over North, Clear Lake	
H34A	Spellman Lake, Hanley Falls	
H35A	Sunnyside Ranch, Fairfax	
H36A	Jessenland, Henderson	
H37A	Dierke Farm, Cannon Falls	
H38A	Maiden Rock	
H39A	Augusta	
H40A	Chili	
H41A	Junction City	
H42A	Shiocton	
H43A	Windswept, Luxemburg	
H45A	Beulah	
H46A	Fife Lake	
H47A	Mio	
H48A	Harrisville	
H52A	Wyevale	
H53A	Bobcaygeon	
H55A	Tweed	
H56A	Elgin	
H57A	Richville	
H58A	Gabriels	
H59A	Cadyville	
H60A	Morristown	
H61A	Lyndonville	
H62A	Milan	
H63A	New Sharon	
H64A	Troy	
H65A	Eastbrook	
H66A	Whiting	
HAB	Haboro	
HABR	Khabarovsk	
HAC	Hachinohe	
HACA	Hapcheon Acc Borehole	
HACH	Hacho	
HACI	Hacifakili, Akdagmaden, YOZGAT	
HACJ	Hachinohe 2	
HAD	Hassan Addkhil	
HADB		
HADO	DHOFAR2 - YR	
HADR		
HAE	Alders End	
HAF	Haifa	
HAFB	Hill Air Force Base, Hill AFB, UT, USA	
HAG	Hague Volcano	
HAGA	Augusta	
HAGD	Aghdareh	
HAGI	HAGI	
HAGN	Mount Hagen	
HAGS	Hagol	
HAH	Hahryggur	
HAI	Haiwee	
HAIA	Hail	
HAIL	Harrisburg (Southeastern Illinois College)	
HAIS	HAIS	
HAJJ	Hajjah	
HAJR	Hajar	
HAK	Hakodate	
HAKJ	Hakodate 2	
HAKT	HAKKARI	
HAKY	Hadley Quad	
HAL	Halifax	
HALB	Hallimjungang-ro	
HALE	Berhale	
HALET		
HALK	Hakmana	
HALM	Halim	
HALT	Halls	
HALTI	Haltingen (BS)	
HAM	Hamburg	
HAM3	Hamburg/Geomatikum	
HAM4	Hamburger Sternwarte	
HAMA	Kahama	
HAMB	Hamyang	
HAMD	Hammershus, Denmark	
HAMF	Hammerfest	
HAMIK	Hmikon, Dlikerfeld, LU	
HAMM	Hamman Mousa	
HAMO	Hamaker Mountain	
HAMT	Eilat	
HAN	Hanford	
HANB	Haenam	
HANI	Diyarbakir_Hani	
HANM	anlurfa/Hilvan/Hanmaara	
HANN	Hanwell	
HANO	Al Hamad	
HANT	Hania	
HAO	Harrison Substation	
HAON	Okahao	
HAPI	Koulo, Foa Island	
HAPS	Han Pijesak,BIH	
HAQS	Haql	
HAR	Hartford	
HAR1	Harban	
HARA	HARA	
HARE	Harare	
HARE2	AfricaArray - AF, HARE	
HARI	Harich	
HARN	Harre	
HARO	School, Haroo	
HARP	HAARP	
HARPO	Harpoot	
HARR	Harsova	
HART	Harbor Island ANSS-SMO	
HARU	Harads	
HARZ	Haroharo	
HAS	Hastings	
HASA	Hatay-Hassa-Haclar	
HASLI	Hasliberg/Brienz	
HASO	DHOFAR2 - YR	
HASS	Wahat al Ahsa'	
HAST	Hastings Reserve	
HASTF	Alhafirah	
HASU	Hassela	
HAT	Hattorf	
HATA	Hacienda Tamarindo	
HATC	Hat Creek Radio Observatory, Hat Creek	
HATD	Hatta, Dubai	
HATH	Hata	
HATHI	Halema`uma`u Trail	
HATI	Hayti	
HATIL	Hatillo	
HATJ	Hateruma jima	
HATM	Rives	
HATO	Hato, Curacao	
HATOM	Hato Mayor del Rey	
HATZ	Hinemaiaia	
HAU	Haudompre	
HAV	Havilah	
HAVA	Habana	
HAVC	Havirov	
HAVE	Haverstraw	
HAVL	Avola	
HAVZ	Havza	
HAW	Hawthorne Fire Tower	
HAWA	Hanford	
HAWA0	Hwawon	
HAWB	Hwaseong-si	
HAWK	Haweek	
HAWT	Hathaway	
HAY	Hayfield	
HAYA	Volcan Irazu	
HAYD	Hayden	
HAYO	DHOFAR2 - YR	
HAYW	Haystack Fork	
HAZ	Te Kaha	
HAZM	Anzar Road	ANZ
HAZOR	Hazorchashma	
HB-	Hobart (Okla)	HB-OK
HBA	Halley Bay	
HBAR	Harrisburg	
HBAZ	Herne Bay Borehole	
HBC	Horseshoe Bay	
HBD	Hovd	
HBDB	Hayseed and Buckwheat Dairy Farm	
HBF	Harts Bluff	
HBH	HawaiianBeaches	
HBL2	Bonnylands	
HBM	Hobart Mills	
HBMT	Mount Humbug	
HBNS	Bani Suef	
HBO	Huckleberry Mountain	
HB-OK	Hobart	
HBR	Haibara	
HBRG	Burj al `Arab	
HBSP	Bosco Santo Pietro	
HBST	Basata	
HBT	Hobart Mills	
HBTM	San Juan Bautista	
HBTS	Hafar Al Batin	
HBV	Harrisonburg	
HBV2	Hoa Binh	
HBVL	Hebbronville	
HBVN	Hoa-Binh	
HBVT	Hinesburg	
HBW	Humming Bird West	
HBZ	Hicks Bay	
HC1P	summerside station 1	
HC2P	summerside station 2	
HC3P	summerside station 3	
HC4P	summerside station 4	
HCA		
HCAL	Hospital general Docente Calderon, Sierra hermosa, Calderon, Quito, Ecuador	
HCAM	Canada Road	CDC
HCAT		
HCB	Kahramanmara	
HCBM	Chamberlain	CBC
HCC	Holy Cross	
HCG	Craig Goch	
HCI	Hatchie Coon Island	
HCK	Huntoon Valley	
HCNY	Howe Caverns	
HCO	Huanuco	
HCOM	Corn Cob Canyon	
HCPM	Crevison Peak	
HCR	Hot Creek Range	
HCRL	Carlentini	
HCRM	Chase Ranch	CSR
HCU	Horse Canyon	
HCY	Herceg Novi	
HCZM	Cordoza Dairy	
HD-	Howard	HD-PA
HDA	Harding Lake	
HDAN	Heda	
HDAR	W Memph W Sta	
HDB	Hidalgo Marine Base	
HDBT	Hernando Brdge	
HDBU	High School, Hidabu Tobi	
HDC	Heredia	
HDC2	Heredia 2	
HDC3	Heredia 3	
HDC4	Heredia 4	
HDC5	Heredia 5	
HDFA	Hospital de la Familia	
HDG	Hidalgo Mountain	
HDG10	Mitchell Dam	
HDH	Heidenheim-Charlottenhoehle	
HDHB	Dhahab	
HDI	Ejido Heroes de la Independencia	
HDIL	Hopedale	
HDK	Hidaka	
HDK1	Dakhla	
HDK2	Wahat Dakhilah	
HDLM	Dillon Ranch	DIL
HDM	Haddam	
HDMB	Hadim	
HD-PA	Howard	
HDQ	Headquarters	
HDR	Hadrut	
HDU	Hyde Park	
HDW	Hoodsport	
HE-	Hempstead	HE-TX
HEA	Headley	
HEB	Heber	
HEBO	Mount Hebo	
HEC	Hector,Ludlow	
HED	Hedekas	
HEDF	Idfu	
HEDN	Heda	
HEE	Heerlen	
HEF	Hetta	
HEH	HeiHe	
HEI	Heidelberg (Koenigstuhl)	
HEID	Heidelberg, Weststadt	
HEIN	Heilbronn	
HEKM	Malatya_Hekimhani	
HEL	Helsinki	
HEL1	Helsinki	
HEL2	Helsinki	
HEL3	Helsinki	
HEL4	Helsinki	
HEL5	Espoo, Suvisaaristo	
HELC	Santa Helena	
HELF	Helfaut	
HELL	Mitchell Peak, Miramonte	
HELM	Helmeringhausen	
HEMU	Hemsoen	
HEN	Hengchun	
HENM	Henderson Mound	
HENT	Hendek	
HER	Hermanus	
HER1	Herakleio	
HER2	Herakleio	
HER3	Herakleio	
HERB	Hercules	
HERM	Elkhorn Road	
HERO	Ethiopian Broadband Seismic Experiment	
HERR	Herculane	
HES	Velbert-Hespertal	
HET	Houston--Electro-Tech	
HE-TX	Hempstead	
HEX	Exmoor	
HEXM	Hexham	
HFA0	Hagfors New Array Site A0	
HFA1	Hagfors New Array Site A1	
HFA2	Hagfors New Array Site A2	
HFA3	Hagfors New Array Site A3	
HFB1	Hagfors New Array Site B1	
HFB2	Hagfors New Array Site B2	
HFB3	Hagfors New Array Site B3	
HFB4	Hagfors New Array Site B4	
HFB5	Hagfors New Array Site B5	
HFC2	Hagfors New Array Site C2	
HFEM	San Felipe	SFL
HFHM	Flint Hills	
HFPM	Fremont Peak	FRP
HFRF	Wahat Farafirah	
HFRN	Hoarfrost River	
HFS	Hagfors	
HFSA1	Hagfors Array Site A1	
HFSB1	Hagfors Array Site B1	
HFSB2	Hagfors Array Site B2	
HFSB3	Hagfors Array Site B3	
HFSB4	Hagfors Array Site B4	
HFSB5	Hagfors Array Site B5	
HFSC1	Hagfors Array Site C1	
HFSC2	Hagfors Array Site C2	
HFSU	Holladay Fire Station, Holladay, Utah	
HG1B	Mitchell Dam	
HG3B	Hotspring	
HG4B	Hotspring	
HGA	Collinsville	
HGB	Hanford Gable Butte	
HGDB	Hongdo	
HGH	Gray Hill	
HGHA	Hamedan- Ghayesh	
HGJ	Hongo	
HGM	Mexicali	
HGN	Heimansgroeve	
HGP	Huxley Gorge	
HGPB	Parks Canada Compound	
HGSB	Sid's House	
HGSD	Ruisui	
HGSM	Gilroy Springs	GHS
HGTCO	Madrid Canyon Road, Trinidad	
HGTTJ	Hospital Gral. Tijuana	
HGVB	Ha Giang	
HGVO	Hagersville	
HGWM	Gilroy West	
HGY1	Higuey	
HH-	Hannah	HH-ND
HH2	Hannah	HH2ND
HH2ND	Hannah	
HHAG	Hagoal	
HHAI	Hells Half Acre	
HHAR	Hobbs	
HHC	Hu-ho-hao-te	
HHCT	Rutherford	
HHH	Horse Heaven Hills	
HHI	Harmony Heights	
HHM	Hungry Horse	
HH-ND	Hannah	
HHP	Hogget Hill	
HHR	Hinohara	
HHRG	Al Ghardaqah	
HHS	Hurricane	
HHSZ	Highcliff Hill	
HHT	Hurricane Hollow	
HHU	Hamhung	
HHWY	High Hoyland	
HIA	Hailar	
HIC	Hidaka-Cho	
HICC	Highline Community College ANSS-SMO	
HICK	Hickman	
HID	Hamer Butte	
HIDR	Higuey Centro	
HIER	Hierbabuena	
HIG	Hawaii Institute of Geophysics	
HII	Heard Island	
HIK	Hikone	
HIKD	Hikinohira	
HIL	Hilo	
HIL01	Al Amaaer	
HIL02	Al Hulayfah	
HIL03	Ash Shuqayq	
HIL04	Ash Shaalaniyah	
HILA	High Level	
HILE	Hile	
HILG	Hillesheim	
HILR	Hailar Array Beam Reference Point	
HILS	Ha'il	
HIM	Himeji	
HIMA	Himara	
HIN	Hinchinbrook Island	
HINF	Hinteralfeld	
HINZ	Hinze Dam	
HIR	Hiroshima	
HIR1	Hiroshima	
HIRJ	Hiroshima 2	
HIRN	Ethiopian Broadband Seismic Experiment	
HIS	Hisarcik	
HISA	Bilecik-Osmaneli-Hisarck	
HITJ	Hittiya	
HITZ	Hingarae	
HIYU	Hiyu Mountain	

Code	Station Name	Other
HIZ	Hauiti	
HIZO	HIZO	
HJA	Humahuaca	
HJAMX	Ejido Choropo, HJA	
HJGM	San Juan Grade	
HJH	Honjo	
HJJ	Hachijo jima	
HJO	Hjoernedal	
HJSM	John Smith Road	
HJU	Haeju	
HJY	Honjo	HJH
HK-	Hawk Springs	HK-WY
HKAT	Jabal Katrina	
HKB	Herkenbosch	
HKC	Hong Kong Observatory	
HKCD	Cape D'Aguilar	
HKER	Hawker	
HKFR	Khafra	
HKI	Fushiki	
HKJ	Hokoriku	
HKL	Haleakala	
HKLI	Keung Shan	
HKLK	Luk Keng	
HKLM	Lead Mine Pass	
HKM	Hinckley	
HKN	Hawks Nest	
HKNB	Havelock Quarry	
HKNS	Hadbat Hakran	
HKOY	Hamitkoy-Ladik(Samsun)	
HKP	Hidden Lake	
HKPS	Hong Kong Po Shan	
HKR	Hakkari	
HKRM	Kincaid Ranch	
HKSL	Siu Lam	
HKT	Hockley	
HKWD	Heukewalde	
HK-WY	Hawk Springs	
HKZM	Kohzaman	
HL-	Hailey	HL-ID
HL2	Hailey	HL2ID
HL2ID	Hailey	
HLA	Hall's Lagoon	
HLBJ	Hallabat	
HLBN	Haleban Array Beam Reference Point	
HLD	Halaksitan	
HLE	Halle	
HLFA	HLFA	
HLG	Helgoland	
HLGA	Haflong	
HLGC	Holguin	
HLH	Cerro de Hule	
HLID	Hailey	
HL-ID	Hailey	
HLIG	Huajuapan de Leon	
HLJ	Hailstone	
HLK	Haleakala	
HLKK	Cayce	
HLL	Cape Hallett	
HLLC	North Hollywood	
HLLM	Hickman	
HLM	Helmville	
HLM1	Long Mynd	
HLN	Hualilan	
HLNC	Highland	
HLNI	Lentini	
HLP	Hilina Pali	
HLPM	Lions Peak	
HLR	Highland Ranch	
HLRZ	Highlands Station	
HLS		
HLSB	Harrison Lake South	
HLT	Holt	
HLTM	Lone Tree Road	LTR
HLUZ	Hospital Gineco Obsttrico Luz Elena Arismendi, Guamani, Quito, Ecuador	
HLW	Helwan	
HLX	Hole	
HLZ	Helez	
HM-	Hundred Mile H.	HM-BC
HMA	Khanty-Mansiysk	
HMAD	Nubian desert	
HMAT	Matruh	
HMB	Hamburg	
HMBC	Humberstone	
HM-BC	100 Mile House	
HMC	Holland Mills	
HMCY	Holy Mount Cemetery	
HMD	Hamada	
HMDC	Modica	
HMDM	Hanimaadhoo	
HMDN	Oakton	
HMDT	Nahal Hemdat	
HMES	Hamm, Michael-Ende-School	
HMG	Houelmont	
HMGA	Homigot	
HMH	Humu`ula Sheep Station	
HMK	Himekami	
HML	Hamilton	
HML1	Hamley Bridge	
HMM	Hamamatsu	
HMMJ	Hamamatsu 2	
HMN	Homestead National Monument	
HMNA	Hamren	
HMNO	Mineo	
HMNT	Holman	
HMNX	Herstmonceux	
HMO	H. Mason	
HMOM	Monterey	MTR
HMPA	Hampyeong	
HMR	Hamilton Ranch	
HMRJ	Hamra	
HMSA	Hans M'sky res	
HMSM	Jabal Masmas	
HMT	Hamilton	
HMTC	Hemet	
HMTD	Hikami	
HMTJ	Hamta	
HMTT	Tlapaneco	
HMU	Henry Mountain	
HMV1	Hindmarsh Valley	
HMYD	Mayadein	
HN-	Houlton	HN-ME
HNAT	Natroun	
HNAZ	Hnaberd	
HNB	Haney	
HNBB	Haney	
HNDO	Hondo	
HNG	Hongo	
HNH	Hanover	
HNHM	Rives	
HNHZ	Havelock North	
HNKL	Nakhl	
HNL	Honolulu	
HNL1	Hanuchal	
HNLY	HANLEY	
HNM	Heniu Mare	
HNME	Houlton	
HN-ME	Houlton	
HNMJ	Hino-misaki	
HNR	Honiara	
HNS	HongShan	
HNSH	Hunish Island	
HNTI	Hanita	
HNV	Hanoi	
HNVL	Huntsville, TX	
HNY	Hamilton	
HNZ	Havelock North	
HNZR	Khunzah	
HOBC	El Hobo	
HOBC2	El Hobo, HOBC	
HOBG	Hohbusch	
HOCA	Hongcheon	
HOCH	Hornopire@15n	
HOCHN	Hochfeld	
HOD	Hodge	
HODGE	Hodges	
HOED	Hoedspruit, Limpopo	
HOES	Hoengseong	
HOF	Hof	
HOFF	Hoffen	
HOFOF	Al Hofuf	
HOG	Hogback Mountain	
HOGG	Hoggard's Bluff	
HOGH	Ho	
HOGN	HOGN	
HOH	Hohenheim	
HOHE	HOHENGOEFT	
HOI	Hoima	
HOJ	Hope	
HOJA	Cerro de Hojas	
HOK	Hohkeppel	
HOKE	Hokigiyama	
HOL	Holguin	
HOLB	Holberg	
HOLC	Holcomb Ridge	
HOLU	Holmets	
HOLY	Holy Rosary School	
HOM	Homer	
HOMB	Homborsund	
HOME	McLaughlin Mine	
HOMI	Horasan	
HON	Honolulu	
HONK	Hondo	
HONU	Honeyville	
HOO	Hiroo	
HOOD	Mount Hood Meadows	
HOOJ	Hiroo 2	
HOP	Hope Bay	
HOPA	Hopa-Artvin	
HOPB	Hope	
HOPE	Hope Point	
HOPEN	Hopen	
HOPM	Mount Hope	
HOPOS	Hopovo Monastery	
HOPS	Hopland Field Station, Hopland	
HOPT	Hopper	
HOQ	Hoqain	
HOQC	Horqueta	
HOR	Horta	
HORH	Horominai	
HORM	O'Connell Ranch	OCR
HORN	Hornachuelos	
HORNC	Hornillas	
HORQ	Saladito	
HORT	Hortiatis	
HORU	Horodok	
HOSA	Ethiopian Broadband Seismic Experiment	
HOT	Hot Springs Mountain	
HOU	Houston	
HOW	Howrah	
HOWZ	Holdsworth Station	
HPAC	Pachino	
HPAH	Hawaii Preparatory Academy	
HPAL	Hacienda Las Palmas-Pichincha	
HPAR	Pala Acreide	
HPCM	Pacheco Lake	
HPE	Pembroke	
HPHM	Park Hill	PKH
HPI	Howe Peak	
HPIG		
HPK	Haverah Park	
HPKT	Knoxville	
HPLM	Pacheco Lake	PCL
HPLN	Hepburn Lake, NWT	
HPO	Honuapo	
HPP	Hepp	
HPRM	Peckham Road	PKC
HPU	Hale Pohaku	
HQIL	Hanson Quary Chicago	
HQL	Haql	
HQLS		
HQN	Harlequin Lake	
HQRH	Quien Sabe	QSR
HQRM		QSR
HQSR		
HR-	Heber	HR-AZ
HR20	Granada	
HRA	Herat	
HRAD	Harad	
HRAO	HartRAO	
HR-AZ	Heber	
HRB	Hurbanovo	
HRC	Harris Ranch	
HRD	Hirodai	
HRDDS		
HRDS	Abu Rudays	
HRF	Holter Research Foundation--Helena	
HRFI	Mount Harif	
HRG	Hirogawara	
HRH	Heinrich-Robert Mine	
HRI	Mount Hermon	
HRIU	Hotel RIU, Guanacaste	
HRJ	Horyu	
HRK	Horoka	
HRKL	Herakleio	
HRM	Kawasaki	
HRMB	Harrison Mills	
HRMC	Merrill Creek	
HRMI	Neve Ativ	
HRML	HRML	
HRMR	Khuramsha	
HRN	Horndal	
HRO	Hermiston	
HROE	Hohe Rhon--Flad	
HRRZ	Handcock Road	
HRSH	Kfar Ka'horesh	
HRT	Hereke	
HRTT	Hiratsu	
HRTX	Hereke-Izmit	
HRU	Hogsback Ridge	
HRUT	Hardware Ranch	HWUT
HRV	Adam Dziewonski Observatory, Oak Ridge	
HRY	Holter Research Foundation--York Bridge	
HRYA	Harraiya (Basti)	
HS-	Hay Springs	HS-NB
HSA	Swansea	
HSAF	As Saff	
HSAM	Samen	
HSB	Akutan Spr's Bay	
HSFA	Helvecia	
HSFG		
HSFM	Saint Francis Retreat	
HSH	Hashikami	
HSHJ	Hashim	
HSHL	Bi'r Shalatayn	
HSI	Hsinkong	
HSIG		
HSJ	Hoshina	
HSK	Changchun	
HSKC	Hora Švate Kateriny	
HSLM	San Luis Dam	
HSMO	Haileybury School of Mines	
HSN	Hsinchu	
HSN1	Hsinchu	
HSNB	Heath Steele Mine	
HS-NB	Hay Springs	
HSND	Hausen	
HSNJ	Maan	
HSO	Harness Mountain	
HSP	Hornsund	
HSPB	Hornsund (broadband)	
HSPGA	Hill Springs, Alberta	
HSPM	Sheep	
HSPR	La Hesperia	
HSR	South Ridge	
HSRG	Sareghieh	
HSRS	Siracusa	
HSRZ	Hossack Road	
HSS	Hokkaido University	
HSUJ	Al Zarqa	
HSUR	Hospital Del Sur Enrique Grces , La lorena, Chilibulo	
HSW	Hot Spot	
HSY	Hisarkoy	
HT-	Hastings	HT-MN
HTC	Hot Caves	
HTCH	Hutch Mountain	
HTCR	Hilton Creek	
HTG	Hatgal	
HTK	Hotokeiwa	
HTL	Hartland	
HTM01	HTM01	
HTM02	HTM02	
HTM03	HTM03	
HTM04	HTM04	
HTM05	HTM05	
HTM06	HTM06	
HTM1	Hato Mayor	
HT-MN	Hastings	
HTMS	Hat Mesa	
HTN	Hohentengen	
HTQ	Hauterive	
HTR	Trewern Hill	
HTT	Hallett	
HTU	Hoyt Peak	
HTUJ	Hattaushi	
HTUM	Tustin Road	
HTW	Haystack Lookout	
HTY	Hatay	
HUA	Huancayo	
HUAR	Huara	
HUBA	Hudson Bay High School ANSS-SMO	
HUCH	Huasco	
HUDS	Hudson	
HUDU	Hudiksvall	
HUEH	Huehuetenango	
HUEM	Huemules	
HUEN		
HUES	Huehuecho	
HUG	Huitzitzil	
HUG01	Santa Cruz, CA USA	
HUH	Hualalai	
HUIG	Huatulco	
HUK2	Heuksan-myeon	
HUL	Heiheiahulu	
HULD	Heiheiahulu Digital	
HULI	Fort Hunter Liggett, Jolon, California	
HUMM	Hume Dam	
HUMO	Hull Mountain	
HUMP	Col San Antonio	
HUMR	Humele	
HUN	Hundersingen	
HUNY	Huinay	
HUO	Hudson	
HUOR	Husband	
HUR	Hurricane	
HURO	Huro Makira	
HURP	Huarmaca	
HUSU	Husum	
HUTB	Hutbay	
HUTI	Huta Ginjang	
HUTZ	Huka	
HUV	Hue	
HUYE	HUYE	
HUZ	Huaraz	
HV-	Havre	HV-MA
HVA	Hanceville	
HVAR	Hvar	
HVC	Hernandez Valley	
HVD	Gariep Dam	
HVHR	Bakirkoy-Istanbul	
HVIT	Vittoria	
HVK	Hallstavik	
HVL	Huntoon Valley	
HVLK	Havelock	
HV-MA	Havre	
HVO	Hawaiian Volcano	UWE
HVS	Khovu-Aksy	
HVU	Hansel Valley	
HVZN	Vizzini	
HW-	Hawaii Isl. Ar.	HW-IS
HWA	Hwalien	
HWAP	Hualien Port	
HWB	Hans Werner Braun Residence, San Diego	
HWCA	Hwacheon Acc Borehole	
HWCB	Hwacheon	
HWD	Hollywood	
HWF	Haulerwijk	
HWF1	Haulerwijk	
HWF2	Haulerwijk	
HWF3	Haulerwijk	
HWF4	Haulerwijk	
HW-IS	Hawaii Isl. Ar.	
HWK	Hiawatha	
HWKB	Hawksbury Island	
HWKN	Hawk's Nest	
HWKO	Hawkesbury	
HWQ	Hawqa	
HWSI	Howe Scarp	
HWSM	Haiwee Spring South	
HWTS	Hohenwarte Talsperre	
HWUT	Hardware Ranch	
HWV	Hinton	
HWYS	Al Hawiyah	
HWZ	Hwange	
HXI	Guiyang	GYA
HY-	Hysham	HY-MA
HYA	Hoyanger	
HYB	Hyderabad	
HYBA	Heybeliada-Istanbul	
HYBB	Hyderabad (broadband)	
HYBL	Heybeliada	
HYC	Haney	
HYD	Hyderabad	
HYDR	Haydariye	
HYF	Humbligny	
HY-MA	Hysham	
HYNE	Hara	
HYR	Heyderabad	
HYRS	Hayirsizada Cinnet	
HYS	Haystack Butte	
HYSN	Hyesan	
HYT	Haines Junction	
HYX	Hoyt Mine	
HZA	Huzimizaka	
HZTE	Horizontes, Guanacaste	
I02A	Mapleton	
I02AR	USHUAIA INFRASONIC ARRAY REFERENCE POINT	
I02D	Swisshome	
I02E	Swisshome, OR	
I03A	Eugene	
I03AU	Davis Base, Antarctica	
I03D	Drain, OR	
I04A	Tendick Farm, Oakridge	
I04AU	SHANNON INFRASONIC ARRAY REFERENCE POINT	
I05A	Bend	
I05AU	HOBART INFRASONIC ARRAY REFERENCE POINT	
I05D	Terrebonne, OR	
I06A	Prineville	
I06AU	Cocos Islands	
I07A	Izee	
I07AU	WARRAMUNGA INFRASONIC ARRAY REFERENCE POINT	
I08A	Drewsey	
I08BO	LAS PENAS INFRASONIC ARRAY REFERENCE POINT	
I09A	Lost Marbles Ranch, Westfall	
I09BR	BRASILIA INFRASONIC ARRAY REFERENCE POINT	
I10A	Payette	
I10CA	LAC DU BONNET INFRASONIC ARRAY REFERENCE POINT	
I11A	Placerville	
I11CV	MAIO ISLAND INFRASONIC ARRAY REFERENCE POINT	
I12A	Atlanta	
I13A	Wildhorse Creek, Mackay	
I13CL	EASTER ISLAND INFRASONIC ARRAY REFERENCE POINT	
I14A	Mackay	
I14CL	ROBINSON CRUSOE ISLAND INFRASONIC ARRAY REFERENCE POINT	
I15A	Monteview	
I16A	Newdale	
I17A	Pilgrim Ck.	
I17CI	DIMBOKRO INFRASONIC ARRAY REFERENCE POINT	
I17K	Unalakleet	
I18A	Diamond G Ranch, Dubois	
I18DK	QAANAAQ INFRASONIC ARRAY REFERENCE POINT	
I19A	Meeteetse	
I19DJ	I19DJ	
I20A	Worland	
I20EC	Galapagos	
I20K	Naaghedeneel	
I21A	Big Trails, Ten Sleep	

Code	Station Name	Other
I21FR	MARQUESAS ISLAND INFRASONIC ARRAY REFERENCE POINT	
I21K	Tanana	
I22A	9 Mile Ranch, Kaycee	
I22FR	PORTLAGUERRE INFRASONIC ARRAY REFERENCE POINT	
I23A	Meade Ranch, Gillette	
I23FR	KERGUELEN INFRASONIC ARRAY REFERENCE POINT	
I23K	Minto, Yukon-Koyukuk	
I24A	Kuemmerle Ranch, Upton	
I24FR	TAHITI-TARAVAO INFRASONIC ARRAY REFERENCE POINT	
I25A	Rochford	
I26A	New Underwood	
I26DE	FREYUNG INFRASONIC ARRAY REFERENCE POINT	
I26K	Coal Creek Mining Camp	
I27A	Quinn	
I27DE	GEORG VON NEUMAYER INFRASONIC ARRAY REFERENCE POINT	
I27K	Kandik River	
I28A	Midland	
I28M	Miner Creek	
I29A	Vivian Onida	
I29M	Ogilvie Camp, Yukon	
I30A	Oacoma	
I30JP	ISUMI INFRASONIC ARRAY REFERENCE POINT	
I30M	Mount Dempster	
I31A	Royce, Wessington Springs	
I31KZ	AKTYUBINSK INFRASONIC ARRAY REFERENCE POINT	
I32A	Karley and Nick, Howard	
I32KE	NAIROBI INFRASONIC ARRAY REFERENCE POINT	
I33A	Coleman	
I33MG	ANTANANARIVO INFRASONIC ARRAY REFERENCE POINT	
I34A	Hadley	
I34MN	SONGINO INFRASONIC ARRAY REFERENCE POINT	
I35A	Creekview Farms, Bingham Lake	
I35NA	TSUMEB INFRASONIC ARRAY REFERENCE POINT	
I36A	Fitzsimmons Farm, Good Thunder	
I36NZ	CHATHAM INFRASONIC ARRAY REFERENCE POINT	
I37A	Lemond, Waseca	
I37B	Waseca	
I37H0	Bardufoss	
I37NO	I37NO	
I38A	Scanlan Farm, Eyota	
I39A	Houston	
I39PW	PALAU INFRASONIC ARRAY REFERENCE POINT	
I40A	Norwalk	
I40PG	Keravat	
I41A	Arkdale	
I41PY	VILLA FLORIDA INFRASONIC ARRAY REFERENCE POINT	
I42A	Draeger Farm, Ripon	
I42PT	GRACIOSA ISLAND INFRASONIC ARRAY REFERENCE POINT	
I43A	Langenfeld Brothers Farm, Elkhart Lake	
I43RU	DUBNA INFRASONIC ARRAY REFERENCE POINT	
I44RU	ROPAVLOVSK-KAMCHATSKY KY INFRASONIC ARRAY REFERENCE POINT	
I45A	Fountain	
I45RU	USSURIYSK INFRASONIC ARRAY REFERENCE POINT	
I46A	Reed City	
I46RU	ZALESOVO INFRASONIC ARRAY REFERENCE POINT	
I47A	Gladwin	
I47ZA	BOSHOF INFRASONIC ARRAY REFERENCE POINT	
I48A	Sherman Twp	
I48TN	KESRA INFRASONIC ARRAY REFERENCE POINT	
I49A	Point Hope	
I49GB	TRISTAN DA CUNHA ISLAND. INFRASONIC ARRAY REFERENCE POINT	
I50GB	ASCENSION ISLAND INFRASONIC ARRAY REFERENCE POINT	
I51A	Listowel	
I51GB	BERMUDA INFRASONIC ARRAY REFERENCE POINT	
I52A	Shelburne	
I52GB	DIEGO GARCIA INFRASONIC ARRAY REFERENCE POINT	
I53A	Kortright Cn Earth Rangers Ctr, Woodbridge	
I53US	FAIRBANKS INFRASONIC ARRAY REFERENCE POINT	
I55A	Frankford	
I55US	WINDLESS BIGHT INFRASONIC ARRAY REFERENCE POINT	
I56US	NEWPORT INFRASONIC ARRAY REFERENCE POINT	
I57A	Carthage	
I57US	PINON FLAT INFRASONIC ARRAY REFERENCE POINT	
I58A	Old Forge	
I58US	Midway Islands	
I59A	Olmsteadville	
I59US	HAWAII INFRASONIC ARRAY REFERENCE POINT	
I60A	Shoreham	
I60US	Wake Island	
I61A	Oroboro, Fairlee	
I62A	Tamworth	
I63A	Otisfield	
I64A	Boothbay	
IAA	In Amguel	
IACL	Alicudi	
IACM	Heraklion	
IADA	Aoalbol	
IAE	Cedar City, Iron County	
IAFJ	Afjeh	
IAG	Institut Agronomique	
IAKL	Akhelmad	
IALA	Alasht	
IALF	Alftagrof	
IALM	Almabolaq	
IAND	Andimeshk	
IANJ	Anjilo	
IAS	Iasi	
IASB	A@15sbjarnarstat ir	
IASBS	W01	
IASK	Askja	
IASM	Asmuli	
IASO	Asolfsskalaheidi	
IASR	Iasi	
IAUS	Austmannsbunga	
IAV	Isla Aves	
IAZR	Azarshahr	
IBAF	Bafgh	
IBAJ	Ibajay, Aklan	
IBAR	Ibarra	
IBAV	Isla La Blanquilla	
IBBE	Ibbenblueren East	
IBBN	Ibbenburen	
IBBS	Ibbenblueren South	
IBDR	Badra	
IBEY	Bjarnarey	
IBJA	Bjarnastaoir	
IBJK	Bruarjokull	
IBK	Innsbruck	
IBND	Bandar-abas	
IBP	Imperial Boulder Park, Ocotillo	
IBRE	Brettingsstaoir	
IBRJ	Brojen	
IBRU	Bruarjokull	
IBST	Bostanabad	
IBU	Ibuki Yama	
IBZA	Bozab	
IBZP	Iba, Zambales	
IC-	Ice Cap	IC-GL
ICA	Ica	
ICAI	Ischia Castello Aragonese, Ischia (NA), Italy	
ICBC	Inst. de Cultura de B.C.	
ICC	Iquique	
ICCO	Coco Island	
ICESG	Greenland Icesheet	
IC-GL	Ice Cap	
ICH	Ichihara	
ICHK	Chekchek	
ICHU	Yijhu	
ICI	Italian Canyon	
ICJA	ICTJA-CSIC, Barcelona	
ICM	Isla Caja Muertos	
ICMP	Isla Caja de Muertos, Puerto Rico	
ICO	Isla del Coco	
ICOR	Ion Corvin	
ICQ	Pointe Anglais	
ICR	Volcan Irazu	
ICR3	Volcano Irazu 3	
ICU	Indian Springs Canyon	
ICY	Ichiyama	
ID02	Challis, ID, 7.5 mi N off of Rte 93	
ID03	East of Rte 461 near Challis	
ID04	Mogan Creek Rd (Rte 129)	
ID05	Sulphur Canyon Road, Soda Springs	
ID06	Fossil Canyon	
ID07	Smith Canyon Road	
ID08	Devils Gate	
ID09	Alton	
ID1	Idaho Array 1	
ID10	Lander Cutoff	
ID2	Idaho Array 2	
ID3	Idaho Array 3	
ID4	Idaho Array 4	
ID5	Idaho Array 5	
IDA	Idaho Array	
IDAH	Dahanechah	
IDC	Isla del Cano	
IDE	Isla Desecheo	
IDGL	Inch Island, Co Donegal	
IDHR	Dehrash	
IDHRE	Ermioni, IDHR	
IDI	Anoyia	
IDID	Didziasalis	
IDIM	Dimmadalss	
IDJ	Idjwi	
IDJK	Dyngjujokull	
IDJZ	Idjevan	
IDMV	Damavand	
IDOB	Doab	
IDR	Idriss Premier	
IDSA	Dashabbas	
IDYN	Dyngjuhals	
IECU	Ecuador Network	
IEDA	Engidalur	
IELO	Elcoad	
IEMG	Emamgholi	
IENR	Iengra	
IENT	Enta	
IEPA	Eparoz	
IER1	Ierissos	
IESK	Eystri-Skogar	
IESO	Jesolo	
IESS	Sede Social del IESS - Quito	
IFAG	Fagurholsmyri	
IFAK	Africa Array SE Tanzania Basin Experiment, ZH	
IFAL	Falljokull	
IFED	Fedgar	
IFIL	Filicudi I Eolie	
IFIR	Firoozkooh	
IFLA	Flatey	
IFOR	Ischia Forio Punta Imperatore (NA) Italy	
IFR	Ifrane	
IFTB	Fath-abad	
IGAB	Igarata	
IGAD	Garlstedt	
IGAR	Gharneh	
IGBI	Denpasar	
IGD	Bursa	
IGDI	IGDIR	
IGFL	Graenufjoll	
IGGU	Iggoen	
IGHA	Grjothals	
IGHG	Ghaleghazi	
IGHS	Grjothals	
IGIG	Irapuato, Guanajuato	
IGIL	Gilhagi	
IGL	Igloolik	
IGLA	Glengowla, Co Galway	
IGLN	Igloolik	
IGLO	Ghaloghah	
IGLU	Glumsstadir	
IGM	Isla Guadalupe	
IGM2	Igoumenitsa	
IGN	Direccin General de Estadstica y Censos (DIGESTYC)	
IGOD	Go??abunga	
IGOM	Igoma	
IGPR	InterUniversity Guayama PR	
IGR	Igron	
IGRA	Granastaoir	
IGRE	AFAR0911 - ZR	
IGRF	Grimsfjall	
IGRI	Grimsey	
IGRS	Grimsstaoir	
IGRV	Grindav??k	
IGT	Igoumenitsa	
IGUA	Igualata	
IGYG	Gygjarholskot	
IGZV	Ghazvin	
IHA	Instituto Hidrografico de la Armada	
IHAE	Haedir	
IHAM	Hamarinn	
IHAU	Haukadalur	
IHC	Ixhuatan	
IHED	Heoinshofoi	
IHEI	Heioarbar	
IHES	Hestalda	
IHLA	Hella	
IHLN	Indian Hill Lake	
IHOS	Hoseineyeh	
IHOX	Haoxl	
IHR	Ishihara	
IHRN	Hraun	
IHRS	Heris	
IHSB	Hasanabad	
IHSH	Hashtrud	
IHUS	Husbondi	
IHVA	Hvannstoosfjoll	
IHVE	Hveravellir	
IHVO	Lagu-Hvolar	
IIA	Altzomoni	
IIB	San Bernardino	
IIC	Rita Coyotepec	
IID	Iida	
IIDJ	Iida	
IIEY	Innrieyrar	
IIGN	Ignalina	
III	Iguala	
IIJ	Jocotitlan	
IIM	Instituto de Ingenieria, UNAM	
IIO	Organos	
IIP	El Pino	
IIS	IISEE	
IISM	Ciudad Serdan	
IIT	Tonantzintla	
IIZ	Mezontepec	
IJAA	Inje Acc Borehole	
IJBA	Injebuk	
IJDJ	Iida	IIDJ
IJF	Islas Juan Fernandez	
IJOK	Jokulheimar	
IK-	Ink	IK-AR
IKAL	Kalfafell	
IKAR	Kharkheh	
IK-AR	Ink	
IKAS	Kald??rsel	
IKAZ	Kazeroun	
IKFM	Kafar-mosalman	
IKIA	Kiasar	
IKIS	Kista	
IKJ	Ikusaka	
IKL	Isikli	
IKLH	Kolahrood	
IKMR	Kamar-syah	
IKOM	Komasi	
IKOO	Kooshah	
IKP	In-Ko-Pah, Jacumba	
IKRA	Agios-Kirikos-Ikarias	
IKRD	Kardeh	
IKRE	Kreppuhraun	
IKRI	Krysuvik	
IKRK	Kirkuk	
IKRO	Krokur	
IKSA	Iksan Acc Borehole	
IKSK	Karasker	
IKUD	Kuludalsa	
IKVE	Kverkfjoll	
IKVI	Kvisker	
IKVO	Krokottuvotn	
IKZ	Isoka	
IL01		IL1
IL02	Eielson Array Site 2	
IL03	Eielson Array Site 3	
IL04	Eielson Array Site 4	
IL05	Eielson Array Site 5	
IL06	Eielson Array Site 6	
IL07	Eielson Array Site 7	
IL08	Eielson Array Site 8	
IL09	Eielson Array Site 9	
IL1	Eielson Array Site 1	
IL10	Eielson Array Site 10	
IL11	Eielson Array Site 11	
IL12	Eielson Array Site 12	
IL13	Eielson Array Site 13	
IL14	Eielson Array Site 14	
IL15	Eielson Array Site 15	
IL16	Eielson Array Site 16	
IL17	Eielson Array Site 17	
IL18	Eielson Array Site 18	
IL19	Eielson Array Site 19	
IL31		ILB
ILA	Ilan	
ILAM	Ilet Lapin Martinique	
ILAN	Ilam	
ILAR	Eielson Array Beam Reference Point	
ILAS	Lasjerd	
ILB	Eielson Array Broadband	ILAR
ILBA	Ilam Banvizeh	
ILCA	Isla Las Cabras	
ILCH	Illapel	
ILEFE	Ile-Efe	
ILEI	Leirhofn	
ILER	Lleida	
ILG	Inge Lehmann	IC-GL
ILGA	Ilgaz	
ILI	Ili	
ILIC	ilic-Erzincan	
ILIM	Iliamna	
ILIN	Lien	
ILIND	Ilindi	
ILIQ	Lip Q Pani IE	
ILKN	Indian Lake	
ILL12	Sagenschleif ILLGRABEN, VS	
ILL13	Obere Abschlacht, ILLGRABEN, VS	
ILL14	Mittler Illalp, ILLGRABEN, VS	
ILL15	Illgraben, Alpage de Chandolin, VS	
ILL16	Illgraben, Fort du Bachet, VS	
ILL17	Plaine Madeleine, ILLGRABEN, VS	
ILL18	Steinschlaghuette ILLGRABEN, VS	
ILLEZ	Chalet Vouargne Bourlo, Wallis, VS	
ILLF	Illfurth	
ILLI	Illinizas Sur - Rasayacu	
ILM	Iliamna	
ILMG	Lip M Gallina IE	
ILN	Island Lagoon	
ILO	Iloilo	
ILOC	Iloca	
ILOD	Lodnugiljahaus	
ILOM	Ilombo	
ILON	Igloolik, Nunavut	
ILS	Iliamna Low South	
ILSW	Iliamna Southwest, Iliamna Volcano	
ILT	Iul'tin	
ILTH	Belurgan, Co Louth	
ILUG	Ilulissat, Greenland	
ILULI	Ilulissat	
ILW	Iliamna West	
ILYS	Ilyask¶ly	
IM01	Indian Mountain Array Site 1	
IM02	Indian Mountain Array Site 2	
IM03		IM3
IM04	Indian Mountain Array Site 4	
IM05	Indian Mountain Array Site 5	
IM3	Indian Mountain Array Site 3	
IMA	Indian Mountain	
IMA2	Indian Mountain	
IMAH	Mahabad	
IMAR	Indian Mountain Array Beam Reference Point	
IMAT	Imadeyama	
IMBA	Imbabura, San Roque	
IMEH	Mehriz	
IMEL	Melhnausar	
IMG	Imagane	
IMHD	Mahdasht	
IMI	Imperia	
IMID	Miomork	
IMIM	Midmork2	
IMIN	Minoodasht	
IMJ	Imajo	
IMJO	Mjoaskard	
IMK	Imi Mikki	
IMKO	Mokollar	
IML	Ismayilli	
IMM	Islas Marias	
IMMV	Iera Moni Metamorfosis, Varipetro, Chania, Crete	
IMND	Minoodasht	
IMNS	Imangra	
IMO	Isla Mona	
IMOB	Isla Mona	
IMOG	Moghan	
IMOK	Mouk	
IMOL	Imola, Italy	
IMON	Monand	
IMOR	Morastadir	
IMOV	Isla Los Monjes	
IMP	Imphal	
IMPE	Imperial	
IMPR	Mona Island, PR	
IMR	Isla Mona	
IMRD	Marand	
IMS	Imsbach	

Code	Station Name	Other
IMT	Isola di Marettimo	
IMTC	Ischia Forio Monte Corvo (NA) Italy	
IMU	Iron Mountain	
IMW	Indian Meadow	
IMWB	Imwonan-gil	
IMYA	Miami	
IN1	Indiana Array	
IN2	Indiana Array	
IN3	Indiana Array	
IN4	Indiana Array	
INA	Iinan	
INAQ	Fundacion Guayasamin, Bellavista alto, Iaquito	
INB	Inubo	
INC	Inchon	
INC6	INCERC	
INCA	Colegio Marista Quito, el inca, jipijapa, Quito, Ecuador	
INCE	Denizli-Bozkurt-nceler	
INCN	Inchon	
INCO	Volcan de Colima INCA	
INCR	INCERC-Sediu Central	
IND	Independence	
INDC	Indio Hills	
INDI	Punta indio, Guanacaste	
INDN	Indianola	
INE	Iliamna NE	
INEE	Ethiopia-Afar Geoscientific Lithospheric Experiment	
INF	Infanta	
ING	Ingram Ranch	
INGI	Ingas	
INGLE	Inglenook, Smith Ridge	
INH	Isangel	
INK	Inuvik	
INKA	Innaminka	
INMG	Instituto de Meteorologia, Lisbon	
INMK	Ichinomiya	
INN	Innsbruck	
INPP	Ignalina Nuclear	
INR	Itanagar	
INS	Inspiration	
INS1	Heuchelheim BoxerKlub	
INS2	Steinweiler	
INS3	Hergersweiler	
INS4	Landau	
INS4B	Landau	
INS5	Hayna, Turnverein	
INS6	Kandel, Kundencenter Pfalzwerke	
INS6B	Friedhof Kandel	
INS7	Herxheim Wasserbehaelter	
INS8	Friedhof Edesheim	
INSH	Angelsportverein	
INSR	Institute	
INT	INT	
INTR	Introdacqua	
INTV	Intevep	
INU	Inuyama	
INUQ	Inukjuak	
INV	Inveralochy	
INVG	Invergeldie, Comrie	
INVM	La Marquesa	
INW	Iliamna NW	
INY	Ithaca	
INYL	Nylenda	
INZ	Inchbonnie	
IO-	Ione	IO-NV
IOCA	Ischia Osservatorio Casamicciola	
IOLF	Oldufell	
IOMK	Kirk Michael	
IO-NV	Ione	
IOSP	Ios island	
IP01	Cuckoo	
IP03	Louisa	
IP04	Greensprings	
IP05	Hopewell Church	
IP06	Yanceyville	
IP07	Quail	
IPA	Ipanguacu	
IPAN	Panarea IE	
IPAR	Pars	
IPAY	Payeh	
IPE	Ipeti	
IPES	Pescosannita	
IPFO	International Monitoring System (IMS) Pinon Flats Observatory Seismic Station	
IPIL	Ipil	
IPIR	Pirpir	
IPM	Ipoh	
IPMB	Ipameri, GO	
IPOZ	Pozzuoli	
IPRE	Itoiz	
IPRN	Peran	
IPVM	Iztapalapa	
IQHU	Qucahn	
IQOM	Qom	
IQQ	Iquique	
IR1	Iran Long-Period Array	
IR2	Iran Long-Period Array	
IR2C	Iron Canyon	
IR3	Iran Long-Period Array	
IR4	Iran Long-Period Array	
IR5	Iran Long-Period Array	
IR6	Iran Long-Period Array	
IR7	Iran Long-Period Array	
IRAF	Chalets d'Iraty - Larrau, Pyrenees-Atlantique, France	
IRAM	Ramesheh	
IRAZ	Razeghan	
IRC	Iron Canyon	
IRCI	INEL Research	
IRDE	Institut de recherche pour le dveloppement - Quito	
IREN	Reynihlio	
IRES	Siquirres	
IRI	Irimote jima	
IRIF	Iriomote-Funauki	
IRIN	Iringa	
IRJU	Rjupnafell	
IRK	Irkutsk	
IRM	Iron Mountain Pumping Sta,Desert Center	
IRN	Iron Mountains	
IRNE	Reykjanes	
IRO	Indian Ridge	
IRS	Iris	
IRSH	Iranshahr	
IRZ	Volcan Irazu	
IRZ2	Volcan Irazu 2	
IRZU	Oratorio	
IS2	Icelocation 2	
ISA	Isabella, Lake Isabella	
ISA2	Santa Isabel	
ISAD	Sadrabad	
ISAL	Salakas	
ISAN	Sandskeio	
ISAU	Saurbar	
ISAV	Santa Isabel	
ISBA	Islamabad	
ISCO	Idaho Springs	
ISE	Ise	
ISF	Isfjord	
ISFB	Sefidab	
ISFR	Sfrayin	
ISGB	Iksangeumgang	
ISH	Ishtion	
ISHB	Shabestar	
ISHJ	Ishigaki Ryukyu Islands	
ISHK	Ishkashim	
ISHM	Shahmirzad	
ISHO	Shoshtar	
ISHR	Shahran	
ISHV	Shirvan	
ISI	Ishigaki jima	
ISIG	Siglufjorour	
ISIK	Ishii	
ISK	Istanbul-Kandilli	
ISKI	Skildingahlshraun	
ISKR	Skrokkalda	
ISKY	Isaakyan	
ISL	Ismayilll	
ISLE	Juniper Island	
ISLN	Salina IE	
ISLY	Slysaalda	
ISLZ	Isanotski Lazaref River	
ISM	Ismayilli	
ISMJ	Smjorgil	
ISN	Ishinomaki	
ISNB	Snabyli	
ISNH	Isernia Ospedale	
ISNN	Isanotski North	
ISO	Isola	
ISOG	Isortoq, Greenland	
ISOK	Kyela	
ISOL	Solvholt	
ISOR	Termini	
ISP	Isparta	
ISPG	Isla Puna-Puerto Grande	
ISPIC	ISPICA	
ISPL	Str Punta Lena IE	
ISPT	Isla de la Plata	
ISPU	Isla Puna	
ISQ	Mount Isa	
ISR	Istrita	
ISRB	Sarab	
ISRF	Istric ta	
ISRO	Mashad	
ISRV	Sarvestan	
ISSF	Issarbe	
IST	Istanbul	
IST1	Istanbul	
IST3	Stromboli F	
ISTE	Stelbrattur	
ISTK	Isanotski	
ISTP	Stromboli Pizzo	
ISTR	Stromboli Ginostra	
ISU	Indiana State University	
ISUC	Cotopaxi Ecuador	
ISVA	Svartarkot	
ITA	Itatiaia	
ITAB	Concordia	
ITAL	Pital	
ITAN	ITANAGAR	
ITB	Itaipu	
ITB1	Itaipu 1	
ITB7	Itaipu 7	
ITBT	Itumba	
ITBZ	Tabriz	
ITC1	Ithaki	
ITCA	Escuela Especializada en Ingeniera	
ITD	Itadori	
ITE1	Itea	
ITEG	Tejag	
ITEV	Isla Los Testigos	
ITF10	CHI Itaipu Binacional	
ITF11	CHI Itaipu Binacional	
ITF4	CHI Itaipu Binacional	
ITF6	CHI Itaipu Binacional	
ITG	Itzapa	
ITGE	Itoigawa	
ITH	Ithaca	
ITHO	Ithomi	
ITIT	Ipitacuapi	
ITKG	Kharagpur	
ITKT	Itaka	
ITM	Ithomi	
ITO	Ito	
ITQB	Itaqui	
ITR	Itaparica	
ITR2	Itaparica 2	
ITR5	Itaparica 5	
ITRB	Iturama	
ITS1	Elaiones	
ITTB	Itaituba	
ITU	Istanbul	
ITU03	UHE Itumbiara	
ITUM	Tunduma	
ITZ	Itezhi-Tezhi	
IUG	Iuzhnay	
IUNC	Unciti	
IURH	Urdarhals	
IUSE	Utxeti	
IVA	Berane	
IVAG	Clark Hill Reservoir	
IVAS	Ivanjica	
IVAT	Vatnsfell	
IVCR	Vulcano Cr IE	
IVE	Iliamna Volcano East	
IVES	Vestmannaeyjar	
IVEY	Vestmannaeyjar	
IVF	Ivanof Bay	
IVGM		
IVGP	Vulcano Grotta dei Palizzi	
IVI	Ivigtut	
IVIS	Veis	
IVIV	IVIC	
IVK	Ivanovka	
IVKQ	Ivujivik	
IVLT	Vulcano Lentia IE	
IVME	Vestmannaeyjar	
IVN	Inveralochy	
IVOG	Vogar	
IVON	Vonarskard	
IVOS	Vogsosar	
IVOT	Vottur	
IVRN	Varamin	
IVS	Iliamna South	
IVSH	V-Sauoahnukur	
IVSM	Inverness	
IVT	Ira	
IVUG	Vulcano Grillo IE	
IVY	Inveralochy	
IWEX	Carrickbyrne, Co Wexford	
IWJ	Iwai-Kita	
IWK	Iwaki	
IWN	Iwanai	
IWO	Iwaosan	
IWT	Iwatsuki	
IXC	Ixtacomitan	
IXG	Ixpaco	
IXT	Ixtapalapa	
IZAB	Izabela	
IZABA	Izabal, Puerto Barrios	
IZAR	Zarasai	
IZDR	Rize	
IZEF	Zefreh	
IZI	Iznik	
IZK	Iizuka	
IZM	Izmir	
IZMD	zmir-Dikili-Delikta	
IZMH	Iizume	
IZMR	zmir-demi-Balabanl	
IZN	Iznik	
IZT	Izumi	
IZU	Izuhara	
IZU2	Izuhara 2	
IZUJ	Izuhara	
IZUN	Zunzarren	
IZV	Izvestkoviy	
IZVB	Izvoarele B	
IZVR	Izvoarele	
IZZE	Mula-Seydikemer-zzettin	
J01D	Myrtle Point	
J01E	Myrtle Point	
J02A	Umpqua	
J03A	Ideyld Park	
J04A	Umpqua National Forest, Toketee	
J04D	Umpqua National Forest, Toketee, OR	
J05A	Fort Rock	
J05D	Fort Rock, OR	
J061	Lakeshore Drive, S. Francisco	
J06A	Christmas Valley	
J06A7	J06A7	
J06B	J06B	
J06D	J06D	
J07A	Hines	
J08A	Circle Bar Ranch, Crane	
J09A	Fry Pan Ranch, Harper	
J09B	J09B	
J09D	J09D	
J10A	Berg Farm, Melba	
J10B	J10B	
J10D	J10D	
J11B	J11B	
J11D	J11D	
J12A	Stokes Ranch, Hill City	
J13A	Cove Ranch, Picabo	
J14A	Carey	
J14K	Nanvaranak Lake	
J15A	Blackfoot	
J16A	Bone	
J16K	Anvik River	
J17A	Brown Place, Jackson	
J17B	J17B	
J17D	J17D	
J17K	VABM Dome	
J18A	Kendall Valley, Cora	
J18B	J18B	
J18D	J18D	
J18K	Innoko River	
J19A	Crowheart	
J19B	J19B	
J19D	J19D	
J19K	Poorman	
J20A	Shoshoni	
J20B	J20B	
J20D	J20D	
J20K	Nowinta River	
J21A	Lysite	
J21C	J21C	
J22A	Midwest	
J23A	Dilts Ranch, Bill	
J23A7	J23A7	
J23B	J23B	
J23C	J23C	
J23D	J23D	
J24A	Dixon Ranch, Lance Creek	
J25A	Sunshine Ranch, Edgemont	
J25A7	J25A7	
J25B	J25B	
J25C	J25C	
J25D	J25D	
J25K	Salcha River, AK	
J26A	Sides Ranch, Smithwick	
J26A7	J26A7	
J26C	J26C	
J26D	J26D	
J26K	Charley River, AK	
J26L	Joseph Creek	
J27A	Elkhorn Farm, Martin	
J27B	J27B	
J27D	J27D	
J28A	Allard Ranch, Norris	
J28A7	J28A7	
J28B	J28B	
J28C	J28C	
J28D	J28D	
J29A	Okreek	
J29A7	J29A7	
J29C	J29C	
J29M	Klondike Camp	
J29N	Klondike Camp	
J30A	Dallas	
J30A7	J30A7	
J30C	J30C	
J30M	Hart River	
J31A	Geddes	
J31A7	J31A7	
J31C	J31C	
J32A	Parkston	
J32C	J32C	
J33A	Davis	
J33A7	J33A7	
J33B	J33B	
J33C	J33C	
J34A	George	
J34A7	J34A7	
J34C	J34C	
J35A	Milford	
J35A7	J35A7	
J35C	J35C	
J36A	Seneca 1, Swea City	
J36A7	J36A7	
J36C	J36C	
J37A	Redenius Farm, Forest	
J37A7	J37A7	
J37C	J37C	
J38A	Wedel Dairy, Riceville	
J38A7	J38A7	
J38C	J38C	
J39A	Decorah	
J39A7	J39A7	
J39C	J39C	
J40A	Soldiers Grove	
J41A	Loganville	
J41A7	J41A7	
J41C	J41C	
J42A	Columbus	
J42A7	J42A7	
J42C	J42C	
J43A	Natural Harvest Farm, Hartford	
J43A7	J43A7	
J43C	J43C	
J44A	J44A	
J44C	J44C	
J45A	Montague	
J45A7	J45A7	
J45C	J45C	
J46A	Howard City	
J46A7	J46A7	
J46C	J46C	
J47A	Sunmer	
J47A7	J47A7	
J47C	J47C	
J48A	Bridge Port	
J48A7	J48A7	
J48B	J48B	
J48C	J48C	
J49A	Marlette	
J49A7	J49A7	
J49C	J49C	
J50A	J50A	
J50C	J50C	
J51A	J51A	
J51C	J51C	
J52A	Paris	
J52A7	J52A7	
J52C	J52C	
J53A	J53A	
J53C	J53C	
J54A	Appleton	
J54A7	J54A7	
J54C	J54C	
J55A	Hilton	
J55A7	J55A7	
J55C	J55C	
J56A	Wolcott	
J57A	Williamstown	
J57A7	J57A7	
J57C	J57C	
J58A	Remsen	
J58A7	J58A7	
J58C	J58C	
J59A	Piesco	
J59A7	J59A7	
J59C	J59C	
J60A	Lant Hill Farm, Argyle	
J61A	Chester	
J61A7	J61A7	
J61C	J61C	
J62A	Henniker	
J63A	Strafford	
J63A7	J63A7	
J63B	J63B	
J63C	J63C	
J65A	J65A	
J65C	J65C	
J67A	J67A	
J67C	J67C	
J68A	J68A	
J68C	J68C	
J69C	J69C	
J73A	J73A	
J73C	J73C	
JA-	Jasper	JA-MN
JAA	Atsumi	
JAB	Ashibetsu	
JAC	Jacksonville	
JAC01	Canania-SP	
JACH	Jahuel	
JACO	JACO, Garabito, Puntarenas	
JACV	Jacura	
JAD	Aida	
JAG	Ashikaga	
JAGI	Jajag, Banyuwangi	
JAGN	Aguni-jima	
JAH	Hinai	
JAHD	Aomorihigashidori	
JAI	Aioi	
JAJ	Awaji shima	
JAJ2	Tsuna	

Code	Station Name	Other
JAK	Akkeshi	
JAKH	Jacmel	
JALM	Almaden	AMC
JAM	Amami Oshima	
JAMA	Jama	
JAMC	Jamundi, Valle del Cauca	
JAMN	Amaminishikomi	
JA-MN	Jasper	
JAN	Janina	
JAN03	Januaria	
JAN06	Januaria	
JAN07	Januaria	
JAN08	Januaria	
JAN09	Januaria	
JAN2	Jannena	
JAN3	Jannena	
JANA	Janakpur	
JANB	Januaria	
JAND	Jandula	
JANG	Nango	
JAO	Obara	
JAOM	Aogashimamukaizawa	
JAP	San Jose, Antique	
JAQ	La Grande 3	
JAR	Ashorobuto	
JARAX	Ej. Heriberto Jara	
JARJ	Jarash	
JARK	Aomorirokkasho	
JAS	Jamestown	
JAS1	Jamestown	
JASK	Jask - Hormozgan	
JASL	Jaisalmer	
JAT	Jato	
JATB	Jatai	
JAU	Jaout	
JAUF	Jausiers	
JAUN	Jaun, Euschelspass, FR	
JAUV	Jalcomulco	
JAVC	Velka Javorina	
JAVS	Javornik	
JAW	Awa shima	
JAWI	Jawi	
JAWL	J.Aulia	
JAWN	Awajishima-nagasawa	
JAY	Jayapura	
JAYA	Jayaque - finca La Azucena	
JAZS	Jizan	
JAZS2	Jazan	
JBB	Jbel Babet	
JBBQ	Temiscaming	
JBCM	Bear Creek Road	LT15
JBEP	Beppuamama	
JBG	Jabagly	
JBGM	Bear Gulch	BGH
JBK	JBK	
JBLM	Camp Ben Lomond	
JBMM	Black Mountain	
JBNB	Ben Lomond Mountain, Santa Cruz County	
JBO	Jordan Butte	
JBP	Jabalpur	
JBPC	Jardin Botanico, Parque La Carolina, Iaquito, Quito, Ecuador	
JBQ	La Grande 3	
JBRM	Jenolan Black	
JBT	Biratori	
JBT2	Biratori 2	
JBZM	Buzzard Lagoon Road	
JC04	Joao Camara	
JC05	Joao Camara	
JC06	Joao Camara	
JC1B	Joao Camara	
JC20	Joao Camara	
JCBM	Chesbro Res.	CBO
JCC	Jacoby Creek, Bayside	
JCE1	John's Creek	
JCH	Churui	
JCHM	Cahill Ridge	
JCJ	Chichijima	
JCJI	Jatiwangi	
JCK	Jackerath	
JCM	Jocotitlan	
JCMO	Jefferson College	
JCN	Nagara	
JCNB	Joaquin Canyon North	
JCNP	Jose Panganiban, Camarines Norte	
JCPM	Coyote Point	
JCQ	La Grande 3	
JCR	Jicaral	
JCSB	Joaquin Canyon South	
JCT	Junction City	
JCUZ	Jacuzzi	
JCW	Jim Creek	
JCZ	Jackson Bay	
JDC	Jersey Dam (Crest)	
JDG	Jersey Dam (Gallery)	
JDN	Jardin	
JDRJ	Daraweish	JRDJ
JE-	Jena (USA)	JE-LA
JECB	Eureka Canyon	
JECH	Jecheon	
JECI	Jenson Cabin	
JECM	Eureka Canyon	EUC
JEDB	Jedway, Haida Gwaii	
JEDS	Jeddah	
JEF	Cerro Jefe	
JEG	Eigenji	
JEGM	El Granada	
JEHI	Jehsanih	
JEJB	Jeongja	
JE-LA	Jena	
JELB	Ellicott, Santa Cruz County	
JELM	Ellicott	
JEM	Erimo	
JEN	Jena	
JENM	Jeeralang Junction	
JEPS	Jepson Natural Reserve, California	
JER	Jerusalem	
JERN	Jeri Cho Mine, NWT	
JESI	Jesi	
JESS	Jessore	
JET	Tanbara	
JETT	Jettan, Norway	
JEW	Eniwo	
JFA	Akaike	
JFFD	Fukushimafurudono	
JFI	Itaya	
JFK	Kawauchi	
JFM	Mihama	
JFNN	Fujinakano	
JFO	Juiz de Fora	
JFP	Foothills Park , Santa Clara County	
JFR	Furan	
JFS	Joseph F. Staten	
JFT	Otama	
JFU	Fukue jima 2	
JFWS	Jewell Farm	
JFY	Yanaizu	
JGF	Kuroka	
JGI	Juniper Gulch	
JGK	Kuni	
JGM	Miyama	
JGN	Niukaw	
JGT	Gotsu	
JGT2	ShimaneMisato	
JHA	Jbel Lahdid	
JHBN	Jahan bin	
JHC	Johnson Canyon	
JHCJ	Hachijojimakashitate	
JHD	Hondo	
JHE	Heguri	
JHG	Hegura jima	
JHGM	Hagimishima	
JHH2	Haha-jima-NKT2	
JHHC	Hyugahichiya	
JHHJ	Haha-jima-NKT	
JHHS	Hirosakihyakuzawa	
JHI	Jorhat	
JHIK	Hikimi	
JHJ	Hachijo jima 2	
JHJ2	Mitsune	
JHJR	Jhajjar	
JHK	Hiroka	
JHLM	Holstrom Ranch	
JHLN	Al Jahlan	
JHM	Kurahashi	
JHMK	Hamakita	
JHN	Johnson	
JHNI	Jhansi	
JHO	Hitachi	
JHP	Judd Hill Plantation	
JHPM	Huddart Park	
JHR	Hokuryu	
JHRM	Jahrom	
JHS	Saijyo	
JHSG	JHARSUGUGA	
JHST	Hiyamasetana	
JHT	Toyohira	
JHTM	Izuhatsuma	
JHU	Hanno	
JHUM	Huhtala Lane, Santa Cruz County	
JHY	Hiyama	
JHYU	Hitachinakayamanoue	
JIAM	Iburiatsuma	
JICN	Ichinomiyachiaki	
JIDR	Jimani	
JIE	Ise	
JIG	Jinotega	
JIH	Iheya	
JIHU	Itakohorinouchi	
JII	Iki	
JIJ	Ishigaki jima 2	
JIKH	Ishinomakikobuchihama	
JIKM	Ikemajima	
JIL	Jilotepec	
JILO	Lwanjilo	
JIM	O shima 2	
JIM2	Oshima 3	
JIMA	Ethiopian Broadband Seismic Experiment	
JIME	Puerto Jimenez	
JIN	Jindabyne	
JIND	Jindrichovice	
JIO	Ouri	
JIPI	JIPIJAPA	
JIR01	Jirau	
JIR1	Jirandeh	
JIRB	Irabujima	
JIRI	Jiri	
JIRN	Jiri	
JIS	Juneau Island	
JISG	Ishigakijimahirakubo	
JISK	Izumosakaura	
JISS	Ishikarishitsubu	
JIU	Izumi	
JIU2	Izumi 2	
JIU3	Izumi3	
JIW	Iwasaki	
JIZ	Nakaizu	
JIZN	Jizan	
JIZS	Izushimoda	
JIZZ	Izumozaki	
JJG	Jouge	
JJH	Hakui	
JJK	Kushima	
JJN	Nakama	
JJO	Oda	
JJOM	Saint Joseph's Hill	
JJRM	Joaquin Road	
JJS	Sakaide	
JJT	Tamagu	
JJT2	Tamagusuku 2	
JJT3	Tamagusuku3	
JKA	Kamikawa-asahi	
JKB	Kayabe	
JKC	Kuchinoerabu	
JKD	Kudamatsu	
JKDJ	Kitadaitoujima	
JKE	Kume jima 2	
JKEN	Kujiedanarisawa	
JKG	Kaga	
JKHN	Kushirohamanaka	
JKHR	Kochiharuno	
JKI	Kunimi	
JKIT	Kitakata	
JKJ	Kijyo	
JKK	Kamikawa	
JKK2	Kamakawa 2	
JKKG	Kakegawa	
JKKS	Kakegawashinomba	
JKM	Jackman	
JKMT	Kesennumamotoyoshi	
JKN	Kiinagashima	
JKN2	Miekihoku	
JKO	Kozu shima	
JKR	Kurayoshi	
JKRS	Kuro-shima	
JKS	Kasai	
JKSM	Kasumi	
JKT	Katashina	
JKU	Kubokawa	
JKUC	kamogawauchiura	
JKY	Yasaka	
JKZ	Kuzumaki	
JLAB	Laurel Hill	
JLAM	Laurel Hill	
JLDW	Jackson Lake Dam	
JLK	June Lake	
JLN	Jalan Bani Buhassan	
JLOS		
JLP	Les Platons	
JLPM	Loma Prieta	
JLTM	Los Trancos	LTW
JLU	Jordanelle	
JLXM	Lexington Res.	LXR
JMAF	Mimaanabuki	
JMAG	Jamag	
JMB	Yambol	
JMBI	JAMBI	
JMD	Masuda	
JMDO	Jabal Madar	
JMG	Jumaytepeque	
JMGM	Milagra Ridge	MGA
JMH	Hososhima	
JMI	Jan Mayen	
JMIC	Jan Mayen	
JMIK	Miki	
JMIM	Jan Mayen temporary station	
JMIU	JAMIA UNIVERSITY	
JMJ	Miyako jima 2	
JMJ2	Miyako jima3	
JMK	Ichinoseki	
JMKN	Mikurajimanishikawa	
JMM	Marumori	
JMMH	Miemihama	
JMN	Monobe	
JMOS	Jabal al Moallq	
JMP	Maruseppu	
JMPM	Menlo Park	
JMQS	Jabal Moqyreh	
JMS1	Jamestown	
JMST	Minamisoumatochikubo	
JMT	Mikata	
JMTN	Minamitane	
JMU	Jammu	
JMUI	Jamui	
JMY	Miyakejima3	
JMYK	Miyake Tsubota	
JMZ	Minamidaito 2	
JN-	Johnston I.	JN-IS
JNA	Nagahama	
JNAM	New Almaden Mine	
JNAR	Kushima--Naru	
JNB	Noboribetsu	
JNBK	Urakawa-nobuka	
JNE	Jan Mayen East	
JNG	Nsakai	
JNH	Juniper Hills	
JNHA	Jinhae	
JNI	Jehonathan	
JNIO	Niijimaoohara	
JN-IS	Johnston Island	
JNJ	Junjel	
JNJA	AfricaArray/PSU - ZP	
JNK	Nakash	
JNKA	Junkia	
JNKG	Nichinankitagou	
JNL	Jenolan Caves	
JNM	Ikuma	
JNN	Nakanoshima	
JNPA	Jeungpyeong Acc Borehole	
JNS	Sasagawa	
JNSB	Nemuroshibetsu	
JNT	Takato	
JNTH	Nagotoyohara	
JNTK	Naratenkawa	
JNTW	Noshirotokiwa	
JNU	Nakatsue	
JNW	Jan Mayen West	
JNY	Yasuok	
JNYA	Jinyeong	
JO-	Jordan	JO-MN
JOAQ	Joaquin Lookout	
JOB	Onbets	
JOD	Odawara	
JOD2	Odawara 2	
JODB	Jodo	
JOE	Joensuu	
JOF	Joensuu	
JOFO	Osakifurukawaosaki	
JOFS	JOFS	
JOG	Oga	
JOG2	Oga 2	
JOG3	Oga3	
JOGS	Gusukube	
JOH	Johannesburg	
JOHAN	St. Johann (BS)	
JOHN	Johnston Island	
JOI	OKI	
JOK	Jbel Ouklim	
JOKA	Jonika Flow	
JOKE	Okinoerabujima	
JOL	Jolon Road	
JOM	Ohasama	
JOMM	Oshimamatsumae	
JO-MN	Jordan	
JON	Johnnie	
JOPP	Joppolo	
JOR	Okushj	
JOR1	San Jorge 1	
JORD		
JORG	San Jorge	
JORH	JORHAT	
JORV	Jorden Valley SMO	
JOS	Josvafo	
JOSE	SAN JOSE	
JOSI	Joshimath	
JOSM	Okushiri--Matsue	
JOSN	Second Sedna Site,Hudson Bay	
JOSR	Joseni	
JOT	Ohata	
JOTO	OTAMA OYAMA	
JOU	Okura	
JOW	Kunigami	
JOZ	Jozini	
JP-	Jasper	JP-AT
JP-AT	Jasper	
JPC	Peters Creek, San Mateo County	
JPG	JALPAIGURI	
JPK	Jack Peak	
JPLM	Pleasant Valley	PEV
JPPM	Portola Park	LT3
JPRM	Presidio of San Francisco	
JPSM		PSD
JQE	Queens East	
JQT1	Jequitai-MG	
JQX	Jiquilpan	
JR-	Jerome	JR-AZ
JRA	Rausu	
JR-AZ	Jerome	
JRBB	Jordan River	
JRBN	Rebuntou	
JRC2	Joshua Ridge	
JRDJ	Daraweish	
JRG	Rokugo	
JRGM	Rodeo Gulch Road	
JRKH	Jarkhoshk	
JRMM	Jerantut	
JRN	Qarnain Island	
JRO	Jston Ridge Obs	
JRQG	Juriquilla Campus	
JRR	Rishiri	
JRRM	Redwood Retreat	
JRS	Jersey	
JRSC	Jasper Ridge	
JRSJ	J Risha	
JRTX	Jordan Ranch	
JRWM	Joshua Ridge West	
JRY	Ryogami san	
JS-	Jackson	JS-TN
JSA	Saint Aubin	
JSAM	San Andreas	SAC
JSB	Shiboa	
JSBM	San Bruno Mountain	
JSC	Jenkinsville	
JSCH	Cashca Tororas, San Jose de Chimbo	
JSCL	Mazangano	
JSCM	Stevens Creek	SEC
JSD	Sado	
JSE	Soyaes	
JSFB	Stanford Telescope, Santa Clara County	
JSFM	Stanford	SFT
JSG	Sagara	
JSGM	Saratoga Golf Course	SGC
JSGW	Sagamiharawakayanagi	
JSH	Shimam	
JSHD	Hidakashinhidaka	
JSI	Shiura	
JSI2	Shiura 2	
JSJ	Shimokoshiki	
JSJM	St Joseph	SJH
JSK	Shakotan	
JSK1	Jask	
JSKE	Saikikamae	
JSKK	Shikinejimakita	
JSLM	San Andreas Lake	
JSM	Jim Sage Mountain	
JSMM	Sawmill Road	
JSMT	Sammumatsuo	
JSOJ	Natural Resources Authority	
JSR	Shiriuchi	
JSRW	J. Sargeant Reynolds Community College	
JSS	Shosan	
JSSH	JASK -SHIRAHAN	
JSSM	Soda Springs	SOS
JSSY	Shinshiroyabe	
JSTM	Santa Teresa Hills	
JS-TN	Jackson	
JSU	Suzuyama	
JSZ	Suzu	
JSZI	Iwateshizukuishi	
JTA	Tamana	
JTAJ	Takarajima	
JTB	Tobi-shima	
JTG	Taga	
JTGM	Trout Gulch Road	
JTH	Tanohata	
JTHR	Tokachihiroo	
JTHY	Toshimahigashiyama	
JTJ	Tarama	
JTK	Tokunoshima	
JTKR	Abashiri--Tokoro	
JTM	Tenmabayashi	
JTMT	Jette	
JTN	Tanegashima 3	
JTNC	Tanabenakahechi	
JTO	Tosashimizu	
JTR	Joshua Tree Park	
JTRM	Los Trancos Road	
JTS	Las Juntas de Abangares	
JTSM	Tsushimamitsushima	
JTSN	Tsuno	
JTSR	Tashiro 2	
JTT	Ttatey	
JTU	Tsushima	
JTY	Toyota	
JTZ	Takazaki	
JU-	Juno	JU-TX
JUA	Alcaldia, municipal de Juayua	
JUA2	San Juan 2	
JUAN	San Juan	
JUBA	Jubany	
JUBC	Volcan de Colima JUBA	
JUCA	Juchon	
JUCM	University of California, Santa Cruz	
JUCU	Jucuar¡n	
JUD	Juan Diaz	
JUD2	Juan Diaz 2	
JUD3	Juan Diaz 3	
JUE	Julich	
JUEM	Julian Eagle Mine	
JUG	Jugenheim	
JUI3	Juive 3	
JUI6	Juive	
JUIV	Juive	

Code	Station Name	Other
JUJ	Jujuy	
JULC	Julian	
JUM	Jug	
JUMK	Jumkunaria	
JUMM	Mount Umunhum	
JUND	Jungingen	
JUNG	Jungingen	
JUNT	Juntas	
JUON	Uonuma	
JUQB	Juquia	
JUR	Ureshino	
JURR	Jurilovca	
JURS	JURS	
JUS	Usuki	
JU-TX	Juno	
JVI	Jordan Valley	
JVM	Valle D.L. Mare	
JVW	Jocassee View	
JWA	Jwalamukhi	
JWK	Wakkake-Misaki	
JWK2	Keihoku	
JWKM	Wakayamakushimoto	
JWL	Jwalamukhi	
JWM	Minabe	
JWSM	Woodside	WDS
JWT	Wachi	
JWY	Kouya	
JWZ	Kozaga	
JYA	Atsumi	
JYAK	Yakushimahirauchi	
JYAR	Yonezawaarcadia	
JYG	Yagishiri	
JYJ	Yonaguni jima 2	
JYK	Kaneyama	
JYM	Yakumo	
JYM2	Yakumo 2	
JYN	Shimob	
JYNG	Yonagunijimakubura	
JYO	Yokosk	
JYP	Jyotipuram	
JYRO	Yoronjima	
JYS	Shirataka	
JYSA		
JYT	Yasato	
JYTA	Yamagatataniai	
JYW	Yuwa	
JYYZ	Yamagatayuza	
JYZW	Yoshizawa	
JZK	Kikaishima	
JZO	Okuchi	
K01	Nishinai	
K01A	Sixes	
K02	Yamasaki	
K02A	Glendale	
K02D	Willamette Meridian	
K03	Shimotochinai	
K04	Kokoji	
K04A	Chilquin	
K04D	Chiloquin, OR	
K05	Ishipane	
K05A	Summer Lake	
K06	Arakawa	
K06A	Valley Falls	
K07	Kotohata	
K07A	Rock Creek Ranch, Frenchglen	
K08	Monomi-yama	
K08A	Mann Creek Ranch, Princeton	
K09	Ooide	
K09A	Rome	
K10	Oonodaira	
K10A	MacKenzie Ranch, Jordan Valley	
K11	Fujikirizawa	
K11A	Parker Ranch, Bruneau	
K12	Koide	
K12A	Draper Farm, Castleford	
K13A	Stover Farm, Hazelton	
K13K	Kusilvak Mountain	
K14A	Jones Ranch, Declo	
K15A	Arbon	
K15K	Wolf Creek Mountain	
K16A	Soda Springs	
K17A	Gardner Place, Afton	
K17K	Iditarod	
K18A	Toltan Ranch, Big Piney	
K19A	Absolon Red Butte, Lander	
K20A	Yellowstone Ranch, Lander	
K20K	Telida	
K21A	Alcova	
K22A	Casper	
K23A	Bowen Ranch, Douglas	
K24A	Anderson Ranch, Keeline	
K24K	Donnelly Dome	
K25A	Mack Ranch, Harrison	
K26A	Motz Farm, Whitney	
K27A	Flueckinger Farm, Gordon	
K27K	Chicken	
K28A	Ten Mile Ranch, Cody	
K29A	Lazy Trails Angus Ranch, Wood Lake	
K29M	Barlow Dome	
K30A	Basset	
K30B	Basset	
K31A	O'Neill	
K32A	Verdigre	
K33A	Hardington	
K34A	Le Mars	
K35A	Storm Lake	
K36A	Gilmore City	
K37A	Belmond	
K38A	Parkersburg	
K39A	Oelwein	
K40A	Colesburg	
K41A	Shullsburg	
K42A	Prairie Point, Evansville	
K43A	Burlington	
K46A	Dorr	
K47A	Vermontville	
K48A	Perry	
K49A	Clarkson	
K50A	Casco	
K51A	Iona Station	
K52A	Tillsonburg	
K54A	Basiliko Farm, Boston	
K55A	Perry	
K56A	Middlesex	
K57A	Scipio Center	
K58A	Earlville	
K59A	Cooperstown	
K60A	Five Rivers Env. Education Center, Delmar	
K61A	Williamstown	
K62	K62	
K62A	Royalston	
K63A	Dunstable	
KAA	Karratha	
KAAM	Kaadhehdhoo	
KAAO	Kabul (SRO)	KBL
KAAZ	Kauri Point	
KAB	Kabansk	
KABR	Katmai Barrier Ridge	
KABU	Katmai Buttress	
KAC	Achnashellach	
KAC1	Kato Achaia	
KACW	Kaceov	
KAD	Karad	
KADD	Katsuyama	
KAE	Kaena	
KAF	Kangasniemi	
KAG	Kagoshima	
KAGG	Kagssortoq	
KAGI	orum-Kargı	
KAGJ	Kagoshima 2	
KAH	Kaushut	
KAHC	Katmai Hardscrabble Creek	
KAHG	Katmai Hook Glacier	
KAHM	Kahramanmaras, Dulkadiroglu	
KAHNZ	Kaharoa	
KAHT	Ahir Dag	
KAHZ	Kahuranaki	
KAI	Kaimata	
KAIC	Katmai Ikagluik Creek	
KAIM	Kayak Island	
KAJ	Kashiwara	
KAJD	Katsuyama	
KAJQ	Kangiqsualujjuaq	
KAK	Kakioka	
KAKA	Kakadu	
KAKJ	Kakioka Outpost	
KAKN	Katmai Knife Crk	
KAL	Kalocsa	
KAL3	Kalamata	
KALB	Balgarevo	
KALE	Kalithea	
KALEH	Kalehe	
KALG	Kalgarh	
KALI	Kaliastana	
KALIN	Kalinovik	
KALN	Kalnik	
KALO	Kalowe	
KALP	Kalibo	
KALT1	Kaltan 1	
KALT2	Kaltan 2	
KALT3	Kaltan 3	
KALU	Kalix	
KAM	Kameyama	
KAMA	Osmaniye	
KAMOR	Kamor	
KAMP	Kamchatka Peninsula	
KAMR	Kamenskoye	
KAMRY	Kamaran Island	
KAMS	Al Khamasin	
KAMT	Kaman	
KAMZ	Kamo	
KAN	Kanazawa	
KAN01	Argonia South Station	
KAN05	Bluff City North Station	
KAN06	Argonia West Station	
KAN08	Anthony NE Station	
KAN09	Caldwell North Station	
KAN10	Anthony SW Station	
KAN12	Harper NE Station	
KAN13	South Haven SW Station	
KAN14	Manchester OK Station	
KAN16	Harper SW Station	
KAN17	Caldwell West Station	
KAN2	Kanazawa 2	
KAND	Kocaeli-Kandira	
KANH	Kanahau	
KANJ	Kanazawa	
KANM	Kanangra Walls	
KANO	Kano Inlet	
KANON	KANO	
KANR	Karaman	
KANT	Kantara	
KAO	Kapuskasing	
KAONZ	Kaokaonui	
KAP	Karpathos	
KAPH	Katmai Pasha	
KAPI	Kappang	
KAPK	Kapoka	
KAPO	Kapuskasing	
KAPOR	Kaporo	
KAPS	Kapalarasan	
KAPZ	Kaputan	
KAQ	La Grande 4	
KAR	Karachi	
KAR1	Arisaig	
KAR2	Kardistsa	
KARA	Karaisali	
KARAX	Ethiopian Broadband Seismic Experiment	
KARB	zmir-Karaburun	
KARD	Karad	
KARE	Kearney REC, California	
KARG	Kargicak-Mersin	
KARIA	Karia	
KARJ	KARJ	
KARL	Karlsruhe, Majolikafabrik	
KARM1	KARONGA	
KARN	Karanos	
KARO	Karliova-Bingol	
KARP	Karpathos	
KARR	Katmai Rainbow River	
KARS	Kars	
KART	Kargi	
KARY	Karystos	
KARZ	Kaharoa	
KAS	Kastamonu	
KAS2	Kastoria	
KASA	Kassiopi	
KASI	Kota Agung	
KASK	Kaskelen	
KASM	Array-Uganda/Tanzania	
	zania - ZP	
KASO	Kasabonika Lake, First Nations Ontario	
KASR	Kasr	
KAST	KASTAMONU	
KASTN	Kahler Asten	
KAT	Kizyl-Arvat	
KAT1	Katerini	
KATE	AfricaArray/PSU - ZP	
KATL	Kadamtala	
KATM	Katima Mulilo	
KATS	Katnaghbyur	
KATZ	Kakaramea	
KAU	Kaohsiung	
KAUP	Kaohsiung Port	
KAUR	Kamensk Uralskiy	
KAUST	King Abdullah University of Science and Technology	
KAV	Kavieng	
KAVA	Kavala	
KAVG	Kavieng	
KAVS	Kavala, KAV	
KAVV	Kandilli-Istanbul	
KAVZ	Karewarewa	
KAW	Gangneung Acc Borehole	
KAWH	Katmai	
KAY	Katlanovo	
KAYA	Kayacik-Havza(Samsun)	
KAYN	Sakarya, Kaynarca-Tasoluk	
KAZ	Karuizawa	
KAZ1	Kazerun	
KAZ2	Kazeron-Fars-Iran	
KB1O	Rock site, Kinburn Side Road	
KB2O	John Shaw Road	
KB3O	Grant Side Rd.	
KB4O	Donald B. Munro Dr,	
KB5O	Diamondview Rd.	
KB6O	John Shaw Road, remote	
KBA	Koelnbreinsperre	
KBAM	BAM	
KBAZ	Karaka Road Borehole	
KBB	Kelsey Bay	
KBBA	Kibumba	
KBBM	Bear Butte	
KBC	Kumba	
KBD	Kabd	
KBDG	Kleinbodungen	
KBE	Kobe	
KBF	Kyburz Flat	
KBG	Krutoberegovo	
KBH	Kobugahara	
KBH1	Kgwebe Hills	
KBI	Kettle Butte	
KBI1	Birley Grange	
KBJ	Kelbejer	
KBK	Karagaybulak	
KBKI	Kotabaru	
KBKS	Kabaktan	
KBL	Kabul	
KBLE	AfricaArray/PSU - ZP	
KBM	Katmai Bkd Mtn	
KBN	Korca	
KBNM	Bluenose Ridge	
KBO	Bosley Butte	
KBQ	La Grande 4	
KBR	Kanchanaburi	
KBR01	Khaybar	
KBR02	Khaybar	
KBR03	Khaybar	
KBR04	Khaybar	
KBR05	Khaybar	
KBR07	Khaybar	
KBR08	Khaybar	
KBR09	Khaybar	
KBR10	Khaybar	
KBR11	Shajwa	
KBR12	Shajwa	
KBR13	Birmah	
KBRM	Barry Ridge	
KBRS	Khaybar	
KBS	Kingsbay	
KBSD	Kabsdagh	
KBSM	Bell Springs	
KBT	Komakuk Beach	
KBTC	Kuba-Taba	
KBTI	Kibati	
KBTR	Krutoberegovo 1	
KBU	Kabul University	
KBUK	KARABUK-Merkez	
KBY	Kobayashi Ranch	
KBZ	Khabaz	
KBZS	Brezje pri Sen	
KC-	Kansas City	KC-MO
KCA	Cave	
KCC	Kaiser Creek	
KCE	Katmai Mt Cerb's	
KCG	Knife Ck. Glacier	
KCH	Monts Chateau	
KCHF	Cheshme Sefid, Kermanshah	
KCHI	Karachi	
KCHT	Kechabta	
KCI	Kelly Canyon	
KCM	Kilenge	
KC-MO	Kansas City	
KCN	Ketchikan	
KCP	Kidapawan	
KCPM	Cahto Peak	
KCQ	La Grande 4	
KCRM	Chalk Rock	
KCSI	Kotacane, Aceh	
KCSM	Cold Springs	
KCT	Karacabey	
KCTM	Capetown	
KCTX	Karacabey (Bursa)	
KCY	Kuchiyama	
KD1	Kodiak	
KD2	Kodiak	
KD3	Kodiak	
KDA	Kuranda	
KDAG	Bornova	
KDAK	Kodiak Island	
KDB	Konedobu	
KDC	Kodiak Island	
KDE	Karadeniz	
KDG	Kedougou	KED
KDHN	Kadinhani	
KDI	Kendari	
KDJ	Kajisay	
KDK	Khodzhikent	
KDKW	Coast Env Seattle	
KDM	Kudat	
KDMR	Kurdemir	
KDN	Kodinsk	
KDOH	Killdeer Plains Wildlife Area	
KDR	Kadzharan	
KDS	Kedougou	
KDT	Kodera	
KDTR	Khodutka, Kamchatskaya Oblast',Russia	
KDU	Kakadu	
KDUT	Kidman Hollow	
KDV	Kandavu Island	
KDVU	Mokoisa, Kandavu	
KDWAN	Kaudwane	
KDZ	Kurdzhali	
KDZE	Karadeniz Ereoli	
KE-	Kennewick	KE-WA
KEA	Kealakomo	
KEA00	Center of French Array, Koutavos Park, Argostoli (Cefalonia, Greece)	
KEAIE	Zoodochos Pigi, KEAI	
KEB	Keban	
KEB01	Center of German array, Koutavos Park, Argostoli (Cefalonia, Greece)	
KEBB	NEPTUNE Canada Endeavour West	
KEBE	Keben-Mersin	
KEBM	Edson Butte	
KEC	Kecskemet	
KECS	Kecovo	
KED	Kedougou	
KED*	Kedougou	KDS
KEDI	Kedomdong	
KEE	Keen Camp Maintenance Station	
KEEL	Keeler	
KEF	Keuruu	
KEF1	Kardakata, Kephalonia	
KEF2	Argostoli. Kephalonia	
KEF3	Kipouria, Kephalonia	
KEF4	Livadi, Kephalonia	
KEF5	Kardakata, Kephalonia	
KEFOR	Forestry Corps, Argostoli (Cefalonia, Greece)	
KEH	Kehvi	
KEIM	Keimoes	
KEIT	Keiteng, Limpopo	
KEK	Kerkira	
KEKH	Kekaha	
KEKT	Kekliktepe	
KEL	Kelud	
KELA	Mount Kelaz	
KELB	Kelsey	
KELC	Kelly Hill Caves	
KELI	Kelakatan	
KELR	Kotokel	
KELT	Kelkit	
KEM	Kemerovo	
KEMA	Kemaliye	
KEMF	NEPTUNE Canada Main Field	
KEMO	NEPTUNE Canada Mothra	
KEMT	Kemer-ANTALYA	
KEN	Kenai	
KEN1	Kenya Marble PS	
KEN2	Magadi Soda Vault	
KEN3	Shompole Clinic	
KEN4	Ngurumani	
KENC	Cerro Kenedy	
KEP	King Edward Point	
KEPZ	Antalya-Kepez	
KER	Kermanshah	
KER02	Argostoli (Greece)	
KERA	Keramoti	
KERG	Konya-Eregli	
KERI	Keren	
KERN	KERN	
KERU	Kerch	
KES	Ksar Es Souk	HAD
KES02	Argostoli (Greece)	
KES04	Argostoli (Greece)	
KES06	Argostoli (Greece)	
KES08	Argostoli (Greece)	
KES11	Argostoli (Greece)	
KES13	Argostoli (Greece)	
KES14	Argostoli (Greece)	
KES16	Argostoli (Greece)	
KES18	Argostoli (Greece)	
KES20	Police station, Argostoli (Cefalonia, Greece)	
KES22	Argostoli (Greece)	
KES29	Argostoli (Greece)	
KESK	Krkkale-Keskin-Cabatobas	
KESN	Edirne-Kesan	
KEST	Kesra	
KESW	Keswick, Cumbria	
KET	Keravat	
KETS	Keti	
KETSN	Seeheim	
KETU	Ketumbeine	
KETZ	Ketetahi	
KEUT	Kanab	
KEV	Kevo	
KEV1	Kevo	
KEW	Kew	
KE-WA	Kennewick	
KEWM	Kewanee	
KEY	Kluane	
KEY1	Keyworth	
KEY2	Keyworth	
KFA	Klagenfurt	
KFAL	Klamath Falls	
KFC	Kentfield	
KFH	Kaoiki Faults	
KFJS	Khafji	
KFJS2	Khafji	
KFL	Anninata	
KFNJ	Kafrein	
KFO	Klamath Falls	

Code	*Station Name*	*Other*
KFPM	Farley Peak	
KFRA	Kufra	
KFTR	Kaftarguzar	
KFU	Kofu	
KG-	Kingman	KG-AZ
KG-AS	Kingman	
KG-AZ	Kingman	
KGCAE	Kacgae	
KGD	Kothagudem	
KGE	Kanggye	
KGF	KGF	
KGI	Kellogg	
KGJ	Kitakami	
KGL	Cahul	
KGM	Kluang	
KGMA	Kigoma	
KGMK	Kamigamo	
KGMM	Grouse Mountain	
KGN	Komagane	
KGNI	Kongan	
KGNO	Kingston	
KGR	Kogok River	
KGS1	Ghasr-e-Shirin	
KGSKZ	Kyrgizsay	
KGT	Karabiga	
KGUR	Krasnodar	
KGW	Kakegawa	
KH-	Kohls Ranch	KH-AZ
KHA	Khancoban	
KHAF	Khaf	
KHAL	Karahalli	
KHAM	Kharkiv	
KHAR	Kharino, NSO, Russia	
KHAT	Khait	
KH-AZ	Kohls Ranch	
KHB	Jabal al Khashab	
KHB1	Khanabri-I	
KHBM	Hayfork Bally	
KHBR	Khabarovsk	
KHC	Kasperske Hory	
KHE	Kheis	
KHEL	Khelvachauri	
KHET	Khetri	
KHEZ	Kahui Hut	
KHF	Khenifra	
KHG	Khandyga	
KHGB	Koh Gabri	
KHI	Kakhk	
KHI1	Khiner	
KHIT	Khitrov Hills	
KHJ	Kushihara	
KHK	Keihoku	
KHKI	Kahang-Kahang	
KHL	Karahalli	
KHL1	Khalili_Fars	
KHLH	Kahului Airport	
KHLM	Kholmsk	
KHLS	Khulais	
KHLS2	Khulais	
KHLT	Khaolaem Dam	
KHLU	Kahalu`u	
KHM	Kohima	
KHMM	Horse Mountain	
KHMN	Narli-Kahramanmaras	
KHMR	Kahramanmara,Trkolu	
KHMZ	Khomeyn	
KHN	Khani	
KHNJ	Kahnooj	
KHNR	Khani	
KHNS	Khani	
KHO	Khorog	
KHON	Khomkaen	
KHOR	Al-Khor Airport	
KHR	Khorongon	
KHS	Khaishi	
KHS1	Khanabri	
KHSK	Kohestak	
KHT	Khao Laem Dam	
KHU	Kahuku	
KHUD	Khujand	
KHUM	Khumson	
KHUS	Kellenhusen	
KHUZ	Khuzdar	
KHV	Khiva	
KHVA	Khvani	
KHVB	Wang Home	
KHWEE	KHWEE	
KHY	Khatystyr	
KHZ	Kahutara	
KIA	Kiara Terrace	
KIAA	Kiato	
KIAG	Kiagna River	
KIAM	Kaiam	
KIB	El Ksiba	
KIBA	Kibaya	
KIBE		
KIBK	Kibwezi	
KIBO	AfricaArray/PSU - ZP	
KIBOT		
KIBS	BOLU	
KIC	Kosan Boka	
KICM	Kanaga Island Cape Miga	
KIDD	KIDD Seismic Observatory, U. Texas El Paso	
KIDE	Kidegembe	
KIE	Kermit	
KIEV	Kiev	
KIF	Kilpisjarvi	
KIF1	Kiffisia	
KIFA	Kifanya	
KIG	Kigali	
KIH	Kanekii	
KII	Karymskiy	
KIJ	Kawah Idjen	
KIJV	Kijevo	
KIK	Kika Raxquin	
KIKV	Kanaga Island Kanaga Volcano	
KIL	Kilembe	
KIL1	Kilkis	
KILO	Kirkland Lake	
KIM	Kimberley	
KIMA	AfricaArray SE Tanzania Basin Experiment - YH	
KIMB	Kimball Elementary School	
KIMD	Kanaga Island MID Benchmark	
KIMO	Ikongo	
KIMR	Kitsap County Moderate Risk Waste Facility	
KIN	Kingston	
KINC	Kanaga Island North Cape	
KING	Kindia	
KINR	Kitsap County North Road Shed	
KIOM	Kiomboi	
KIP	Kipapa	
KIPE	Kipengere	
KIPH	Kalayaan	
KIPM	Iron Peak	
KIPQ	Kipawa,Quebec	
KIR	Kiruna	
KIRA	zmir-Kiraz	
KIRE	School, Kiremu	
KIRH	Kanaga Island Round Head	
KIRK	Kırklareli	
KIRO	Kirovokan	
KIRR	Kirishev	
KIRS	Kirsehir-Merkez	
KIRV	Kirov	
KIS	Kishinev	
KIS1	Kissamos	
KISE	Kishinomiya	
KISH	Array-Uganda/Tanzania zania - ZP	
KISK	Kishima-dake	
KISZ	Array-Uganda/Tanzania zania - ZP	
KIT	Kermit	
KIT*	Kaitaia	
KITB	Kitimat	
KITD	Kitadake	
KITH	Kitausu	
KITP	Kitsap County Wastewater Treatment Plant	
KIV	Kislovodsk	
KIV0	Kislovodsk Array Site 0	KVAR
KIV1	Kislovodsk Array Site 1	
KIV2	Kislovodsk Array Site 2	
KIV3	Kislovodsk Array Site 3	
KIW	Kapiti Island	
KIWB	Kanaga Island Westway Bight	
KIY	Kiyosumi	
KIYI	Yalıkoy-Catalca	
KIYZ	Kiyzas, Kuzbass, Russia	
KIZ	Kirchzarten	
KIZK	Mersin	
KIZO	Buyukkizoglu-Ladik(Samsun)	
KIZR	Kizel	
KIZT	Kizilcal	
KJA	Kiajanaja	
KJAB	KAMANJAB	
KJF	Kajaani	
KJJM	Johnny Jack Ridge	
KJKQ	Kuujjuarapik	
KJL	Kejulik	
KJN	Kajaani	
KK01	Karatay Array site	
KK02	Karatay Array site	
KK03	Karatay Array site	
KK04	Karatay Array site	
KK05	Karatay Array site	
KK06	Karatay Array site	
KK07	Karatay Array site	
KK08	Karatay Array site	
KK09	Karatay Array site	
KK31	Karatay Array site	
KKAR	Karatay Array	
KKB	Krupnik	
KKBE	Karaman, Kazimkarabekir	
KKD	Korintji-Dempo	
KKG	Kukul	
KKGU	Kamikuga	
KKH	Kailua Kona	
KKHI	Kotkhai	
KKHK	Kakhk	
KKI	Karkar Island	
KKJ	Kaminokuni	
KKL	Karkaralinsk	
KKLA	Kookooligit Mountain	
KKM	Kota Kinabalu	
KKN	Kakani	
KKO	Keanaka@18ko`i	
KKPM	Kettenpom Peak	
KKR	Kurukshetra	
KKRN	Kattakurgan	
KKRS	Karmrakar	
KKS	Kukesi	
KKSI	Kolaka, Sulawesi	
KKT	Kermit	
KKTK	Khon Kaen	
KKU	Keanakolu	
KKUL	Konya-Kulu	
KKW	Kainokawa	
KKY	Kaikoura West	
KKZ	Kaikoura	
KLAUS	Klaushaff	
KLB	Kellerberrin	
KLBO	Killbear Provincial Park	
KLBR	Kellerberrin	
KLC	Kirkland Lake	
KLCE	Kalgoorlie Cheetham St	
KLCH	Kalalua Cone	
KLD	Kalaidasht	
KLDN	Kaloudiana Chania	
KLEF	Klefe (Ho)	
KLEP	Klepka	
KLF	Kolari	
KLG	Kalgoorlie	
KLGA	Kalgoorlie	
KLH	Kapapala Ranch	
KLI	Kotabumi	
KLINJ	Klinje	
KLJ	Keetly	
KLK	Kealakekua	
KLKU	Kulkuduk	
KLL	Kalltalsperre	
KLLS	Kalgoorlie Longshaft mine	
KLM	Kuala Lumpur	
KLMR	Klimovskoe	
KLMT	Kalamata	
KLN	McKendrick Lake	
KLN4	Kalinino	
KLNA	Kalymnos	
KLNB	Kelsey New	
KLNI	Mataram	
KLNJ	Kolanjah	
KLNK	Lincoln, NE, USA	
KLNR	Kaliningrad	
KLO	Kirkland Lake	
KLOF	Kloof	
KLOH	Kiser Lake State Park	
KLP	Kalpa	
KLR	Kul'dur	
KLR1	Kalamaria	
KLRI	Killari	
KLS	Karlskrona	
KLSI		
KLSO	Kiser Lake Ohio	
KLST	Kelardasht - Mazandaran	
KLT	Keltepe	
KLTT	Kalaidasht	
KLU	Klutina	
KLUP	Keelung Port	
KLV	Kalavryta, Achaia	
KLV1	Kalavrita	
KLY	Klyuchi	
KLYT	Kilyos	
KM-	Kramer	KM-CL
KM2	Kermit	
KM3	Kermit	
KM5	Kermit	
KM6	Kermit	
KM9	Kermit	
KMA	Kami	
KMB	Kimbe	
KMBE	Kimbe	
KMBH	Kambah	
KMBL	Kambalda	
KMBO	Kilima Mbogo	
KMC	Kompina	
KM-CL	Kramer	
KMD	Komatsu	
KMD1	Dasu	
KME	Kermit	
KMER	Konya-Meram	
KMF	Kamafusa	
KMG	Kumagaya	
KMGE	Kuromamegawa	
KMGR	Komgaron	
KMH	Puu Kamoamoa	
KMI	Kunming	
KMIS	Kosovska,, Mitrovica	
KMJ	Kume jima	
KMJD	Komatsu	
KMK	Kamakura	
KMKR	Kumukh	
KML	Kamuela	
KMLS	Shenavan	
KMM	Kamigamo	
KMMI	Kalianget	
KMN	Kumano	
KMN1	Usha	
KMNF	Kaamanen	
KMNK	Kaminaka	
KMNR	Kamenistaya	
KMO	Kumora	
KMON	Kastamonu	
KMOR	Kings Mountain	
KMOZ	Kamo	
KMP	Kimball Pass	
KMPD	K-Podol'skiy	
KMPI	Kaimana, Papua	
KMPM	Mount Pierce	
KMR	Kremsmunster	
KMRM	Mail Ridge	
KMRS	Kahramanmaras	
KMRZ	Kaimai	
KMS	Karamursel	
KMSA	Khamasin	
KMSC	Kings Mountain, Blacksburg	
KMSG	Kumisi	
KMSI	Cibinong	
KMSK	Kamenskaya	
KMSM	Union City	
KMSR	Komsomolskaya	
KMST		
KMT	Kinomoto	
KMT1	Komotini	
KMTA	Khamis Mushayt	
KMTI	Karmit	
KMTU	Khamis Mushayt	KMTA
KMU	Kamikineusu	
KMV	Keen Mountain	
KMV1	Kammena Vourla	
KMY	Karmoy	
KMYN	Kameyama	
KMZ	Kasempa	
KN-	Kanab	KN-UT
KNA	Kununurra	
KNAL	Kinaliada	
KNB	Kanab	
KND	Kandira	
KNDC	Almaty	
KNDN	Kennady Lake	
KNDR	Palaiochora Chania	
KNDS	Knez@19ji Dol	
KNEL	Kent Elementary ANSS-SMO	
KNG	Konigsberg	
KNGHS	KNGHS	
KNGL	Kangalassy	
KNGQ	Kangiqsujuaq	
KNGR	Kungurtug, Tuva Republic, Russia	
KNGS	Khingansk	
KNH	Kipuka Nene	
KNHH	Kane Nui o Hamo	
KNI	Koyna Nagar	
KNIK	Mula-Seydikemer-Knk	
KNIM	Knight Island	
KNJ	Kinomoto	KMT
KNJD	Kanaihara	
KNJR	Keonjhar	
KNK	Knik Glacier	
KNKR	KANKER	
KNL	Balıkesir	
KNM	Kinmen	
KNMB	Chin-men Tao	
KNN	Kunene	
KNN1	Kunene	
KNO	Knox Ranch	
KNOS	Konyrlen	
KNP	Kunneppu	
KNR	Kangurt	
KNR1	Nevis Range	
KNRA	Kununurra	
KNS	Konitsa	
KNS1	Konitsa	
KNT	Kendrikon	
KNTI	KHUNTI	
KNTN	Kanton	
KN-UT	Kanab	
KNW	Konawaena	
KNY	Kanayama	
KNYS	Krupa na Uni	
KNZ	Kokohu	
KOA	Kobuan	
KOB	Kobe	
KOBE	Kobo Des	
KOC	Kochi	
KOCA	Canakkale, Ayvacik-Kocakoy	
KOCW	Kopaniny	
KOD	Kodaikanal	
KOE	Koeppel	
KOF	Kofu	
KOFP	Korovin Flat Point	
KOG	Kourou	
KOGH	Koforidua	
KOGS	Kog	
KOH	Kohala	
KOHB	KOHEUNG	
KOHI	KOHIMA	
KOI	Khonsa	
KOID	Koike	
KOJ2	Gongju-si	
KOK	Koryaka	
KOKK	Kokkinochori, Kavala	
KOKL	Mount Kliuchef	
KOKV	Korovin Volcano	
KOL	Kolay	
KOLH	KOLHAPUR, MAHARASTRA	
KOLL	Kolacno	
KOLN	Koldanda	
KOLS	Kolonicke sedlo	
KOM	Komaba	
KOMA	Komarou	
KOME	Kolasin	
KOMG	Komaggas	
KOMM	Orleans Mountain	
KOMO		
KOMS	Komsomolabad	
KOMT	Akitakoma	
KOMTI	KOMT	
KON	Kongsberg	KONO
KONA	Konidatara, Kephalonia	
KOND	Kondoa	
KONE	Korovin Northeast	
KONH	Konpirayama	
KONO	Kongsberg	
KONS	Konsvik	
KONT	Konya--Tatoy	
KONW	Korovin Northwest	
KONZ	Konstanz	
KOO6	Koorda	
KOOC	Abou Kooc	
KOOLE	Kule	
KOPR	Koprukoy-ERZURUM	
KOPT	Kop Dagi	
KOR	Koror	
KOR2	Korinthos	
KORE	Kare Kore	
KORK	Korkuteli	
KORR	Kora	
KORT	Korkueli	
KORU	Korolevo	
KOS	Kosmodemyansk	
KOS1	Kos Island	
KOSB	Goseong	
KOSE	Korovin Southeast	
KOSH	Koshkarbay	
KOSI	Kohlern	
KOSK	Kos Island	
KOSL	Kosel	
KOST	Kostenkovo, Kuzbass, Russia	
KOST6	Kostomuksha	
KOSW	Kosmos	
KOT	Kottamia	
KOTA	Agri, Merkez-Kocatas	
KOTAN	Kotaneelee Airstrip	
KOTE	Ethiopia-Afar Geoscientific Lithospheric Experiment	
KOTI	Kothi	
KOTO	Kotino, Kuzbass, Russia	
KOTS	Kotyrbulak	
KOU	Koumac	
KOUM	Koumaradei	
KOUNC	Koumac, New Caledonia	
KOVA	Elazig, Kovancilar-Tepebag	
KOVH	Kovagotottos	
KOVU	Salmi	
KOW	Kowen Forest	
KOWA	Kowa	
KOWA2	GSN - IU, KOWA	
KOWE	Korovin West	
KOWM	Kowarra	
KOY	Koyama	
KOZ	Kozyrevsk	
KOZ*	Kozyr	KOZR
KOZ2	Kozani	
KOZAM	Lom-Kozlod	
KOZE	AFAR0911 - ZR	
KOZJ	Kozjak Brana	
KOZK	Kozakli-Nevsehir	
KOZR	Kozyr	
KOZT	Kozan	
KOZTB	Kozan	
KPA	Kalaupapa	
KPAM	Keepit Dam	
KPB	Port Bizet	
KPC	Khapcheranga	
KPD	Port Douzieme	
KPE	Price	
KPF	Kankaanpaa	
KPH	Kaena Point	
KPJ	Monastery St. Joachim Osogovski	
KPJI	Karang Pucung	

Code	*Station Name*	*Other*
KPK	Kanaka Peak	
KPKS	Kokpek	
KPL	Plockton	
KPLS	Shiveluch-Kupola	
KPN	Kupiano	
KPNG	Kappang	
KP-NV	Kawich Peak	
KPO	Kapoho	
KPPM	Pickett Peak	
KPR	KrasnayaPolyana	
KPRO	Kipourio	
KPT	Kopyto	
KPTM	Keepit Bedrock	
KPVT	Kampiravat	
KR-	Crane	KR-OR
KRA	Krakow	
KRAB	Krabi	
KRABS	KRABS	
KRAI	Karang Ratu	
KRAM	Krabesse	
KRAR	Krasnoyarsk	
KRB	Kariba Dam	
KRBA	Kerman	
KRBG	Karabiga-Canakkale	
KRBN	Karaburun	
KRBR	Kerman	
KRBS	Karabastau	
KRC	King Ranch	
KRCS	Mys Kronotskii	
KRCT	Kiractepe	
KRCW	Kraslice	
KRD	Kurday	
KRDT	Erzincan	
KRE	Kure	
KRER	Koryakskii	
KRES	Krestena	
KRF	Krasnovodsk	
KRG	Kerema	
KRGZ	Buyukada	
KRH	Kirikhan	
KRHZ	Kereru	
KRI	Karoi	
KRI1	kERI	
KRIK	Erzurum-spir	
KRIS	Kristallenia	
KRIT	Krib	
KRJ	Kamimuroga	
KRJI	Kerinci	
KRK	Kirkenes	
KRK1	kERKIRA	
KRKI	Karangkates	
KRKL	Karaikal	
KRKM	Rackout Springs	
KRL	Karlsruhe	
KRL1	Karlovasi Samou	
KRLC	Kraliky	
KRM	Kurmenty	
KRM1	Kerman Province	
KRMB	Red Mountain	
KRMI	Paran Flat	
KRMM	Red Mountain	
KRMN	Karaman	
KRMR	Karymshinskiy	
KRMZ	Karmrakar	
KRN	Kronoki	
KRNA	Kawich Range	
KRND	KRANIDI	
KRNR	Karanay	
KRO	Koro	
KROM	Kromhout	
KR-OR	Crane	
KROS	Kirovskiy	
KRP	Karapiro	
KRPA	Karpathos	
KRPI	Kfar Ruppin	
KRPM	Rodgers	
KRPT	Karpathos	
KRR	Karoi	
KRS	Krasnogorka	
KRS4	Mayak Korsakovskie (Korsakov)	
KRSA	Karasay	
KRSH	Karshahi	
KRSK	Karsak	
KRSQ	Kangirsuk	
KRSR	Krestovskiy	
KRT	Keravat	
KRTD	Karatas-Adana	
KRTS	Karatas	
KRTT	Kurtkulagi	
KRTU	Karatu	
KRU	Karasu	
KRUC	Moravsky	
KRUK	Karasu	
KRUS	Krusevo	
KRV	Ganja	
KRVT	Keravat (AS076)	
KRVZ	Karewarewa	
KRW	Karlsruhe West	
KRX	Arik	
KRY	Koidern River	
KRYG	Kurzu	
KRZ	Karuizawa	KAZ
KS01	Wonju Array Site 1	
KS02	Wonju Array Site 2	
KS03	Wonju Array Site 3	
KS04	Wonju Array Site 4	
KS05	Wonju Array Site 5	
KS06	Wonju Array Site 6	
KS07	Wonju Array Site 7	
KS08	Wonju Array Site 8	
KS09	Wonju Array Site 9	
KS10	Wonju Array Site 10	
KS11	Wonju Array Site 11	
KS12	Wonju Array Site 12	
KS13	Wonju Array Site 13	
KS14	Wonju Array Site 14	
KS15	Wonju Array Sites 15 and 31	
KS16	Wonju Array Site 16	
KS17	Wonju Array Site 17	
KS18	Wonju Array Site 18	
KS19	Wonju Array Site 19	
KS20	Mayfield South Station	
KS21	Milan North Station	
KS22	Mankato Kansas Deployment Site 1	
KS23	Northwest Mankato	
KS24	Mankato	
KS25	Jewell	
KS32	Wonju Array Site 32	
KS33	Wonju Array Site 33	
KS34	Wonju Array Site 34	
KS35	Wonju Array Site 35	
KS36	Wonju Array Site 36	
KS37	Wonju Array Site 37	
KSA	Ksara	
KSADO	Andong	
KSAND	Andong	
KSANE	Kasane	
KSANM	Anmyeondo	
KSAR	Wonju Array Beam Reference Point	
KSB	Sheil Bridge	
KSBAR	Backryungdo	
KSBB	Baniby	
KSBON	Boeun	
KSBRD	Baengnyeongdo	
KSBSA	Busan_acc	
KSBUS	Busan	
KSBUY	BUYEO	
KSCEA	Cheonan	
KSCEJ	CHEONGJU	
KSCHC	Chuncheon	
KSCHI	Jinju	
KSCHJ	Chungju	
KSCHO	Jeonju	
KSCHR	CHANGNYEONG	
KSCHS	CHEONGSONG	
KSCHW	Cheorwon	
KSCHY	BONGHWA	
KSCIG	Chilgok	
KSCM	Snow Cap Mountain	
KSCO	Kaye Shedlock's, Cheyenne Wells	
KSCPN	Chupungnyeong	
KSCPR	CHUPUNGNYEONG	
KSCT	Kent School, Kent	
KSCWO	Cheorwon	
KSD	Kokstad	
KSDAG	Daegu	
KSDAU	Deagu-acc	
KSDD	Koussour	
KSDDC	Dongducheon	
KSDEI	Deokjeokdo	
KSDGY	Daegwallycong	
KSDI	Kefar Szold	
KSEUS	ULSEONG	
KSGAH	Ganghwa	
KSGBI	Gyogryolbido	
KSGIC	Gimchen	
KSGOS	Gosan	
KSGSG	Gangseo	
KSGUM	GUMI	
KSGUS	GUNSAN	
KSGWJ	Gwangju-acc	
KSGWL	Sabuk	
KSH	Kashi	
KSH0	Kashi	
KSHAC	HAPCHEON	
KSHAD	HADONG	
KSHAN	Haenam	
KSHJ	Kshj	
KSHT	Keshet	
KSHUK	Heuksando	
KSHWR	Kishtwar	
KSI	Kapahiang	
KSICN	Icheon	
KSIJA	INJE	
KSIMS	Imsil	
KSINC	Incheon	
KSJ	Kashima	
KSJAH	Jangheung	
KSJAS	Jangsu	
KSJDO	Jindo	
KSJEC	Jecheon	
KSJEO	Jeonju	
KSJES	JEONGSEON	
KSJEU	Jeongeup	
KSJIN	Jinju	
KSJJU	Jeju	
KSJMJ	Jumunjin	
KSJUR	Jungrangju	
KSK	Scoval	
KSKAN	Gangneung	
KSKCH	Geochang	
KSKMS	Keumsan	
KSKOH	Goheung	
KSKOJ	Gongju	
KSKUC	Geochang	
KSKUS	Gunsan	
KSKWJ	Gwangju	
KSL	Kastellorizon	
KSLA	Kassala	
KSLI	Kharsali	
KSM	Kuching	
KSMAN	Muan gun	
KSMAS	Masan	
KSMGY	Mungyeong	
KSMIY	MIRYANG	
KSMM	Slide Mountain	
KSMOK	Mokpo	
KSMOP	Mokpo	
KSMR	Kasumkent	
KSMSA	Geumsan	
KSMUG	Mungyeong	
KSMUS	Musan	
KSMZ	Kasama	
KSN	Kinkasan	
KSNAH	Namhae	
KSNAJ	Naju	
KSNAW	Namwon	
KSNOW	Nowan	
KSNS	Kasansay	
KSO	Kastoria	
KSP	Ksiaz	
KSPA	Keystone College	
KSPHA	Pohang	
KSPM	Sherwood Peak	
KSPOH	Pohang	
KSPOR	Boryeong	
KSPUA	Buan	
KSPYC	Pyeongchang	
KSR	Koster	
KSRS	Korea Array	
KSRV	Kasrt alli	
KSS1	Kassos Island	
KSSAC	SANCHEONG	
KSSAJ	Sangju	
KSSCH	SUNCHEON	
KSSEO	Seoul	
KSSES	Seosan	
KSSGP	Seogwipo	
KSSKC	Sokcho	
KSSOC	Sokcho	
KSSOD	Songwoldong	
KSSSP	Seongsanpo	
KSSWO	Suwon	
KST	Kastek	
KSTBA	Taebaek	
KSTD	Kokstad	
KSTEJ	Daejeon	
KSTL	Kastelli Heraklio	
KSTO	New Philadelphia	
KSTOH	DONGHAE	
KSTOY	TONGYEONG	
KSU	Koussour	
KSU1	Kansas State University--Konza Prairie	
KSUJ	Kushiro	KUSJ
KSULJ	Uljin	
KSULL	Ulleungdo	
KSULS	Ulsan	
KSUO	Kent State University	
KSUSN	Ulsan	
KSV	Kosov	
KSVO	Keeseville	
KSVV	Ky Son	
KSWAN	Wando	
KSWJU	Wonju	
KSWON	Wonju	
KSWY	Kelly School	
KSXB	Camp Six Broadband	
KSXM	Camp Six	
KSY	Syston	
KSYAP	YANGPYEONG	
KSYCH	Yecheon	
KSYOC	YEONGCHEON	
KSYOD	Yeongdeok	
KSYOJ	YEONGJU	
KSYOS	Yeosu	
KSYOW	Yeongwol	
KSYSU	YEOSU	
KT1	Kermit	
KT2	Kermit	
KT3	Kermit	
KT4	Kermit	
KT5	Kermit	
KT7	Kermit	
KT8	Kermit	
KT9	Kermit	
KTA	Kotzebue	
KTAB	Kitab	
KTAS	Katas	
KTBS	Karatobe	
KTD	Kalmit	
KTE	Kermit	
KTG	Kap Tobin	
KTG1	Tilbrook Grange	
KTGM	Kuala Trengganu	
KTH	Kantishna Hills	
KTHA	Kythira Island - Agia Moni	
KTHR	Kythira	
KTI	Kastanea	
KTJ	Kamata	
KTJ3	Kamata3	
KTJD	Kamitakara	
KTJJ	Kamata 2	
KTK1	Kautokeino	
KTK2	Kautokeino	
KTK3	Kautokeino	
KTK4	Kautokeino	
KTK5	Kautokeino	
KTK6	Kautokeino	
KTL	Katale	
KTLM	Kings Tableland	
KTLO	Katakolo	
KTM	Katmai	
KTMO	Khatum	
KTMS	Ketmen	
KTMY	Kuala Trengganu	KTGM
KTN	Katrineberg	
KTNK	Katano	
KTNR	Kaitanak	
KTR	Katsuura	
KTRA	KTRA	
KTRM	Thompson Ridge	
KTRR	Kuturchin	
KTSH	Kitshanga	
KTT	Kermit	KIT
KTUT	Trabzon	
KTWE	Kitwe	
KTX	Kermit	
KTZ	Kutztown	
KU1	Kurvinen	
KU2	Taivalkoski	
KU3	Posio	
KU4	Liikasenvaara	
KU5	Karpankyla	
KU6	Riekki	
KU7	Kasma	
KU8	KU8	
KUA	Kurravaara	
KUB	Quba	
KUBB	Kubrat	
KUBR	Kubataba	
KUBS	Kucevo	
KUC	Kucino	
KUDEN	Kuden	
KUDL	Kundal	
KUF	Ufford	
KUG	Kupang	
KUGN	Kugaaruk Camp, Nunavut	
KUH	Kaapuna	
KUITO	Kuito, Bie	
KUJA	Jangpyeong	
KUK	Kukurantumi	
KUKN	Kugluktuk,NWT	
KUKU	Kukurantumi	
KUL	Kulyab	
KULA	Kula-Manisa	
KULE	Kulei Odisha,India	
KULG	Kulusuk, Greenland	
KULLO	Kullorsuaq	
KULM	Kulim	
KULR	Kulu	
KULT	Kultieth River Mountain	
KULU	Kulu	
KUM	Kumamoto	
KUM*	Kumora	KMO
KUMJ	Kumamoto 2	
KUMR	Kumaryk	
KUN	Kunming	KMI
KUP	Kupang	
KUPE	Kupecik-Ladik(Samsun)	
KUPN	Kupiano	
KUPT	Kupang	KUG
KUQ	Kuujjuuaa	
KUR	Kuril'sk	
KUR01	Kurchatov Array Site 1	
KUR02	Kurchatov Array Site 2	
KUR03	Kurchatov Array Site 3	
KUR04	Kurchatov Array Site 4	
KUR05	Kurchatov Array Site 5	
KUR06	Kurchatov Array Site 6	
KUR07	Kurchatov Array Site 7	
KUR08	Kurchatov Array Site 8	
KUR09	Kurchatov Array Site 9	
KUR10	Kurchatov Array Site 10	
KUR11	Kurchatov Array Site 11	
KUR12	Kurchatov Array Site 12	
KUR13	Kurchatov Array Site 13	
KUR14	Kurchatov Array Site 14	
KUR15	Kurchatov Array Site 15	
KUR16	Kurchatov Array Site 16	
KUR17	Kurchatov Array Site 17	
KUR18	Kurchatov Array Site 18	
KUR19	Kurchatov Array Site 19	
KUR20	Kurchatov Array Site 20	
KUR21	Kurchatov Array Site 21	
KURBB	Kurchatov Array	
KURC	Kurucasile-Bartin	
KURI	Kurri Kurri	
KURK	Kurchatov	
KURN	Kurna	
KURO	Afyon-Bolvadin-Kurucuova	
KURS	Kuram	
KURT	Yalova, Merkez, Kurtkoy	
KURU	Muhukuru	
KUS	Kushiro	
KUSD	Kusadasi-Aydin	
KUSJ	Kushiro	
KUT	Kutsugahara	
KUTA	Kuta	
KUTH	Kutahya	
KUTZ	Kaahu Road	
KUU	Kurty	
KUZ	Kuaotunu	
KUZU	Kuzuini	
KV-	Keg River	KV-AT
KV01	Kirishima Volcano	
KV02	Kamimonzen	
KV03	Oonami West	
KV04	Kurino-dake	
KV05	Oonami East	
KV06	Karakunidake	
KV09	Okamoto-Ura	
KV11	Takachiho West	
KV12	Sinyu	
KV91	Ura	
KVAR	Kislovodsk Array Beam Reference Point	
KV-AT	Keg River	
KVC	Kvetna	
KVDA	Kovda	
KVG	Kavieng	
KVLA	Kavala	
KVN	Kaiserville	
KVO	Kovokta	
KVR	Kavouri	
KVT	Kavak	
KVTA	Katmai Vly 10 NE	
KVTX	Kingsville	
KW1	Garching a.d. Alz	
KWA	Guiyang	GYA
KWAJ	Kwajalein Atoll	
KWBU	Kawak Butte, Newberry	
KWE	Weaver Farm	
KWHZ	Kaweka Forest	
KWJ	Kawai	
KWJN	Gagan, Kwajalein Atoll, Marshall Island	
KWNG	Kwanting	
KWP	Kalwaria Paclawska	
KWSI	Makuyuni	
KWT	Kawatabi	
KWZ	Kawazu	
KY01	KOUVOLA	
KY02	KOUVOLA	
KY03	KOUVOLA	
KY04	KOUVOLA	
KY05	KOUVOLA	
KY10	KOUVOLA	
KY11	KOUVOLA	
KY12	KOUVOLA	
KY13	KOUVOLA	
KY15	Kouvola, Finland	
KYA	Kyakhta	
KYB	Urasar	
KYJ	Kuroyon	
KYK	Kayak Island	
KYL	Kyle	
KYLA	Kyela	
KYM	Kumisi	
KYM1	Kymi	
KYMI	Kymi, Euboea Island, Greece	
KYND	Koyundere	
KYO	Kyoto	
KYP	Key Point	
KYP2	Kyparissia	
KYR	Kayrak	
KYS	Kiyosumi	
KYSD	Maltepe/Istanbul	
KYT1	Potamos Kythira	
KYTD	Kurayoshi	
KYTH	Kithira	
KYU	Kyusyur	
KZA	Kyzart	
KZAD	Kyzyl-Adyr	
KZAG	Qyzylaghash	
KZAKZ	Kzylasker	
KZI	Kaziranga	
KZIL	AFYON_Kizioren	
KZIT	Kziot	
KZJ	Kashiwa-zaki	
KZK	Kashiwa-zaki	
KZL	Kozel'skiy	
KZLR	Kyzyl	
KZM	Kalamazoo	
KZN	Kozani	
KZR	Kazreti	

Code	Station Name	Other
KZRT	Kazreti	
KZT	Kanzaki	
KZV	Kizimen	
KZW	Kaizawa	
L02A	Cave Junction	
L02D	Cave Junction, OR	
L02E	Cave Junction	
L02F	Cave Junction	
L04A	Klamath Falls	
L04D	Klamath Falls	
L05A	Lakeview	
L07A	Adell	
L08A	Fields	
L09A	Wilkinson Ranch, McDermitt	
L10A	Juniper Basin Ranch, Riddle	
L11A	Cat Creek Ranch, Riddle	
L12A	House Creek Ranch, Rogerson	
L13A	Double Diamond Ranch, Oakley	
L14A	Malta	
L14K	Kuka Creek	
L15A	Malad City	
L15K	Ungalak Mountain	
L16A	Fish Haven	
L16K	Owhat River	
L17A	Cokeville	
L17K	Donlin	
L18A	Fontenelle, Green River	
L18K	Granite Mountain	
L19A	Farson	
L19K	White Mountain	
L20A	Wamsutter	
L20K	Farewell, AK	
L21A	Rawlins	
L22A	Ellis Ranch, Medicine Bow	
L22K	Petersville	
L23A	Garrett	
L24A	Wheatland	
L25A	Engebretsen Ranch, Morrill	
L26A	Underwood Farm, Alliance	
L26K	Log Cabin Wilderness Lodge, Tok	
L27A	T5 Ranch, Ellsworth	
L27K	Beaver Creek, Northway Junction	
L28A	Connealy Angus Ranch, Whitman	
L29A	Maesberg Ranch, Thedford	
L29M	L29M	
L30A	Spencer Herefords Ranch, Brewster	
L31A	Butterfield Farm, Chambers	
L32A	Elgin	
L33A	Hoskins	
L34A	Svendsen Farm, Lyons	
L35A	Bielow Farm, Ricketts	
L36A	Harm Buss Farm, Glidden	
L37A	Phoenix Point, Boone	
L38A	Oak Wood Farm, Albion	
L39A	Vinton	
L40A	Anamosa	
L41A	Preston	
L42A	Oliver, Polo	
L43A	Garden Prairie	
L44A	Lake County Forest Preserve, Grayslake	
L46A	Eue Claire	
L47A	Sherwood	
L48A	N Adams	
L49A	Milan	
L50A	Kingsville	
L53A	Girard	
L54A	Sinclairville	
L55A	Hinsdale	
L56A	Greenwood	
L57A	Andrews Acres Farm, Gillet	
L58A	Harry Jones Memorial, Binghamton	
L59A	Walton	
L60A	Shokan	
L61A	Hillsdale 1, Hillsdale	
L61B	Northampton	
L62A	Suffield	
L63A	North Scituate	
L64A	Middleborough	
L65A	Cape Cod National Seashore	
L6KY	Lock 6	
LA-	Lafayette	LA-GA
LA0	Lasa Array	LAO
LAA	Little America	
LAB	Little Aspen Butte	
LABB	L¡brea	
LABF	Labassere	
LABG	Labe	
LABN	Labinsk	
LAC	Landers	
LACH	Col Las Americas	
LACI	Lac	
LACL	Lacq	
LACR	Lac	
LACU	La Cuchilla	
LACW	Lazy	
LAD	Ladron Mountain	
LADA	La Danta	
LADK	Ladik-KONYA	
LADO	San Nicola dell'Alto	
LADR	Batey Laura esc	
LAE	Lae	
LAEL	Laela	
LAF	Lafayette	
LAFA	Gebze-Kocaeli	
LAFE	Finca La Fe, Paquera, Puntarenas	
LAG	Langila	
LA-GA	Lafayette	
LAGB	Langenfeld Grube Bendisberg	
LAGL	Lagor	
LAGM	Oaxaca	
LAGR	Lagunnoye	
LAGU	Laguneta	
LAGV	Lagunillas	
LAH	Lahore	
LAIN	Lailor River, Nunavut	
LAJ	Bijagual	
LAJA	Laja	
LAJAC	Machin, LAJA	
LAJAS	L'Hospitalet-du-Larzac	
LAJE	UHE Lajeado	
LAJO	La Joya	
LAK	Lawrence	
LAKA	Lakka	
LAKD	Lakadia	
LAKY	Lakey Bradford Hills	
LAL	Leola	
LALE	Lalibel	
LALI	Alcalda de La Libertad	
LALO	Estacion LALO Guanacaste	
LALZ	Loma Alta	
LAM2	Lamia	
LAMA	Las Malvinas	
LAMM	Antelope Mountain	
LAMO	ALAMOR	
LAMP	Lampang	
LAN	Lanzhou	
LANAN	Lanans	
LANC	Lancaster	
LAND	Landels Hill-Big Creek Natural Reserve, California	
LANE	Lane BPA Site-SMO	
LANF	Langenberg	
LANH	Laconia	
LANMX	Los Malcriados, LAN	
LANS	Liptovska Anna	
LANT	Antrodoco	
LANU	Lannavaara	
LAO	LASA Array	
LAP	La Paz	
LAPC	Finca la Perla	
LAPE	La Pedrera	
LAPI	LA PILA	
LAPR	La Primavera	
LAPS	Lapseki, ANAKKALE	
LAQ	La Grande	
LAQC	La Quinta	
LAR	Laramie	
LAR1	LAR	
LAR1C	Larnaka City Center	
LAR25	LARINO CB	
LAR4	Larissa	
LAR5	Larissa	
LARC	La Roca	
LARCR	La Roca, LAR	
LARD	Lac Aux requins	
LARF	Larrau	
LARI	Lau Rambong	
LARO	La Roca	
LAROC	Coconuco	
LAROZ	Larrimah, NT	
LARU	La Rochela, LAR	
LAS	Mount Lassen	
LAS20	La Martella	
LASA	Lasa Array	LAO
LASF	Ste Croix	
LASI	Langsa, Aceh	
LASL	Noumea	
LASM	Arnica Sink	
LAST	Lasithi	
LAT	Lae	
LATB	Latina	
LATE	Laterza	
LATF	Latrape	
LATG	Datong	
LATQ	La Tuque	
LATR	Latur	
LATT	Lattarico	
LAU	La Urbina	
LAUCH	Lauchernalp	
LAUG	Laupendahl	
LAV	Laguna Verde	
LAV2	Lava2-Rev Volc	
LAV3	Lava3-Reventador	
LAV4	Lava4-Reventador	
LAV9	Lanuvio	
LAVA	Lava Cap Winery, Placerville	
LAVB	Lang Chanh	
LAVC	Lavic	
LAVE	AFAR0911 - ZR	
LAVEY	Lavey les Bains, Waadt, VD	
LAVM	Oakton	
LAVN	Lang Chanh	
LAVR	Lavrentia	
LAW	Lawrence	
LAWE	Loch Awe, Argyll & Bute	
LAWT	Lawton Elementary School	
LAX	Bahia de Los Angeles	
LAY	Lan-yu	
LAZ	Ladron	
LAZE	Lhatse, Xizang Zizhiqu	
LAZM	Lazaro Cardenas	
LB-	Lebanon	LB-NH
LB1	LASA B Ring	
LB2	LASA B Ring	
LB3	LASA B Ring	
LB4	LASA B Ring	
LBB	Lubumbashi	
LBB2	AfricaArray - AF, LBB	
LBC	Lubudi	
LBCM	Butte Creek Rim	
LBCW	Luby	
LBF	Les Buteaux	
LBFI	Labuhan Bajo, Sumatra	
LBFM	Black Fox Mountain	
LBG	Lerchenberg	
LBGA	Luboga	
LBGK	Lebyazhka	
LBGM	Big Gulch	
LBH	Morecambe B102	
LBKM	Bonanza King	
LBL	Lubilhac	
LBLP	Los Banos, Laguna	
LBM	Little Butte	
LBMI	Labuha	
LBMM	Bass Mountain	
LBNH	Lisbon	
LB-NH	Lebanon	
LBNM	Moscow	
LBNS	Jabal Laban	
LBO	Bowland	
LBOA	Yemen, LBO	
LBOS		
LBP	Lucky Boy Pass	
LBPH	Los Banos	
LBPM	Beegum Peak	
LBQ	La Grande	
LBRS	Las Brisas	
LBSA	Labasa	
LBSS	Karokaro, Northern Div. Fiji, LBSA	
LBT	Labete	
LBTB	Lobatse	
LBTL	Lobethal	
LBUT	Lower Browns Hole	
LBWR	Ladybower, Peak District	
LBXM	Letterbox	
LBZ	Lake Benmore	
LC-	Las Cruces	LC-NM
LC01	Cunco	
LC02	Puerto Saavedra	
LC1	LASA C Ring	
LC2	LASA C Ring	
LC22	Laino Castello	
LC3	LASA C Ring	
LC4	LASA C Ring	
LCA	Log Cabin	
LCAL	Lambert Chapel	
LCAM	Castella	
LCAR	Lake Charles	
LCAV	Cave	
LCBC	Los crdobas, Cordoba	
LCBS	La Ceiba	
LCBT	Rives	
LCC	Lanzhou	
LCCB	Little Cholame Creek	
LCCE	Lecce	
LCCH	Las Cruces	
LCCM	Lewis and Clark Caverns	
LCCO	Lakeland CC	
LCCO2	Lakeland CC 2, Kirtland	
LCCY	Blossom Village, Little Cayman	
LCFM	Crescent Cliff	
LCG	Leon Cerro Gordo	
LCGC	La Cienega, Culver City	
LCH	Last Change Range	
LCH0	Los Chiles	
LCHA	Lechaina	
LCHF	La Chataigneraie	
LCHIL	Los Chiles	
LCI	Lecce	
LCK	Crook	
LCL	Rancho Los Cerritos	
LCM	Los Angeles Museum of Natural History	
LCMM	Colby Mountain	
LCMT	Little Creek Mountain	
LCN	Lincoln	
LCNA	Lacona	
LCNC	Loup City	
LCND	La Caada	
LCNE	Loup City	
LC-NM	Las Cruces	
LCNT	Contigliano	
LCO	Las Campanas	
LCOCO	El Coco	
LCOW	Little Low Creek, Bella Vista, CA USA	
LCP	Cassop	
LCQ	La Grande	
LCR	La Lucha	
LCR2	La Lucha 2	
LCRK	Leigh Creek	
LCRM	LCR	
LCRUZ	La Cruz	
LCSM	College of the Siskiyous	
LCUV	Le Cuvier	
LCV	La Cueva	
LCVN	Lai Chau	
LCW	Lucas Creek	
LCY	Lacayo	
LD-	Lucedale	LD-MS
LD03	OBS LD03	
LD05	OBS LD05	
LD09	OBS LD09	
LD1	LASA D Ring	
LD10	OBS LD10	
LD12	OBS LD12	
LD14	OBS LD14	
LD17	OBS LD17	
LD19	OBS LD19	
LD2	LASA D Ring	
LD21	OBS LD21	
LD23	OBS LD23	
LD25	OBS LD25	
LD27	OBS LD27	
LD2MS	Lucedale	
LD3	LASA D Ring	
LD3MS	Lucedale	
LD4	LASA D Ring	
LDAQ	Lac Daran	
LDASE	Londrina, Brazil	
LDBL	Lucq-de-Bearn	
LDBM	Digger Butte	
LDBN	Lake De Bois	
LDE	Landau	
LDF	La Druitiere	
LDFC	Landfair	
LDG	Lodge	
LDGN	Lac de Gras North	
LDIO	Lac des Isle Mine	
LDJ	Lady	
LDL	LDL	
LDLD	Lac de Lave	
LDM	Libby Dam	
LDMO	Linda	
LD-MS	Lucedale	
LDN	London (Ont)	
LDO	Landau	
LDQ	La Grande	
LDR	Lodi Road	
LDRT	Trimble	
LDS	Leeds	
LDSQ	Shawville	
LDU	Leeds University	
LDUT	Ludao	
LDV	Leadville	
LDVG	Clark Hill Reservoir	
LE-	Lewisburg	LE-TN
LE1	LASA E Ring	
LE2	LASA E Ring	
LE3	LASA E Ring	
LE4	LASA E Ring	
LEA	Lead	
LEAH	Tarraleah	
LEBO	Lake Erie Bluffs Ohio	
LEC	Lecco	
LECO	Lake Erie College	
LED	Lead Mountain	
LEE	Leeds	
LEF	Lefka	
LEF2	Lefkas	
LEG	Legaspi	
LEGD	La Grand CA	
LEGH	Legon	
LEGS	Legarje	
LEH	LEH	
LEHL	Lehliu	
LEI	Leipzig	
LEIB1	TS Leibis	
LEIR	Leirfjorden	
LEK	Lexington	
LEM	Lembang	
LEMB	Lembach	
LEME	Ethiopia-Afar Geoscientific Lithospheric Experiment	
LEN	Leninakan	
LENE	LENE	
LENM	Lemitar	
LENT	Lentariana Chania	
LEO	Leoncito	
LEO01	Saint Lonard, STEP, VS	
LEO1	Leonidio	
LEOC	Leona Valley	
LEOD	Capriano del Colle	
LEOM	Leova	
LEON	Leon	
LEOT	Leota Junior High School	
LEP	Lephalale	
LEPA	Lepanto, Puntarenas	
LEPF	PUYLOUBIER	
LEPH	Lephalale, Limpopo Province, South Africa	
LEPT	Troy	
LER	Lerida	
LERS	Lernavan	
LERZ	Lernakert	
LES	Lesozavodsk	
LESA	Schwarzleotal - Leogang	
LESE	Lesego, Limpopo	
LESF	Lescure	
LESP3	La Esperanza, Chiriqui	
LESQ	Les-Escoumins	
LESV	Lesvos island, N. Greece	
LE-TN	Lewisburg	
LEUC	Leucamp	
LEV	Loma de el Viento	
LEVAN	Levanzo	
LEVU	Levan	
LEWI	Lewis, Hebrides	
LEX	Lexington	
LF-	La Follette	LF-TN
LF1	LASA F Ring	
LF2	LASA F Ring	
LF3	LASA F Ring	
LF4	LASA F Ring	
LFA	Lagoa do Fogo	
LFC	Lale Fork Canyon	
LFF	La Frestale	
LFK	Lefkose	
LFKM	Lefkimmi	
LFM	Lubrecht Forest	
LFRS	El Faro	
LF-TN	La Follette	
LFU	La Fuente	
LG-	Long Valley	LG-AZ
LG4Q	La Grande 4	
LGA	Laguna Mountains	
LGAR	La Grange	
LGAT	Lohaghat	
LG-AZ	Long Valley	
LGBM	Gray Butte	
LGC	Lakewood Golf Course	
LGCB	Laguna Cube	
LGD	Lagodekhi	
LGD1	lAGKADAS	
LGDO	Mt Longido	
LGG	Legon	
LGHD	Ghdames	
LGHM	Grouse Hill	
LGKY	Lock 6	L6KY
LGM	Little Green Mountain	
LGMM	Garner Mountain	
LGMT	Lincoln, Montana	
LGN	Lagunillas	
LGNH	Le@15oga@12ne	
LGNR	Loginova	
LGOR	La Grande	
LGP	Legaspi	
LGPLA	Lodgepole	
LGPM	Granite Peak	
LGQ	La Grande	
LGR	Logrono	
LGRM	Grenada	
LGS3	Luogosano	
LGSN	Lac de Gras South	
LGT	Lagarterita	
LGTI	Lohaghat	
LGTM	Lightning Creek	
LGUZ	Los Guarumos	
LHA	Lhasa	
LHAH	Las Aradas	
LHBM	Lucas Heights	
LHC	Lakehead University	
LHCM	Hat Creek	
LHD	Little Hoodo Mountain	
LHE	Lhers	
LHEM	Herd Peak	
LHG	La Concha	
LHHM	High Hole Crater	
LHI	Lord Howe Island	
LHIS	Lihir Island	
LHJ1	Lahijan	
LHJ2	Lahijan - Gilan	
LHKM	Mount Harkness	
LHM	Lake Helena	
LHMI	Lhok Sumawe	

Code	Station Name	Other
LHMM	Hirz Mountain	
LHN	Lillehammer	
LHO	Holmfirth	
LHOM	Hoadley Peaks	
LHS	Liberty Hill	
LHSG	Loharsingha	
LHSI	Lahat	
LHU	Lake Hughes	
LHUT	Little Humpy Peak	
LHV	Little Huntoon Valley	
LI-	Liberty	LI-NV
LIA	Limnos Island	
LIB	Langara Island	
LIB1	Thessaloniki Library	
LIBD	Limburg	
LIBE	Liberia	
LIBM	Chiapas	
LIBMX	Puerto Libertad, LIB	
LIC	Lamto	
LICH	Lichinga	
LICM	Lichinga	
LICR	Limon	
LID	Liddow	
LIDC	Puerta Blanca, LID	
LIENZ	Kamor/St.Gall Rh.T	
LIFNC	LIFOU	
LIGA	Liganga	
LIJA	Lijar	
LIK	San Giovanni Incarico	
LIKS	Likavka	
LIL	Lille	
LILH	Lima (NY)	
LILI	Casa Paps Liliana Troncoso	
LILIE	Bech	
LILM	Lilongwe	
LILU	Lilltraesk	
LIM	Lima	
LIM1	Limonal	
LIME	Lime	
LIMH	Limerick	
LIMM	Veracruz	
LIMO3	Limones	
LIN	Lincoln	
LINA	Linosa Island	
LINO	Lindsay	
LINV	Loch Inver, Assynt	
LI-NV	Liberty	
LIO	Limon	
LIO3	Lioni	
LIOB	Emei	
LIP	Lipkovo	
LIPC	Lipinka	
LIRD	Liard River Highway Maintenance Camp	
LIRI	LIRI	
LIRZ	Lichensteins Rd	
LIS	Lisbon	
LISA	Nevado del Ruiz	
LISJ	El Lisan	
LIT	Litokhoron	
LITE	Lita	
LITE1	Lita	
LITH	Al Lith	
LITR	Litchfield	
LIV	Leghorn	
LIVA	Livingstonia	
LIVV	Livingston, Bulgarian Antarctic Base	
LIY	Limay	
LJB	Lovejoy Buttes	
LJBD	Adjabya	
LJC	La Jolla	
LJDO	Lageado - TO	
LJFR	Jufra	
LJI	Lemhi Junction	
LJO	Ljotipollur	
LJS	Tabasco	
LJU	Ljubljana	
LJUN	La Junta	
LJX	Las Lajas	
LJY	La Joya	
LKB	Lokbatan	
LKBA	Tubou, Lakemba	
LKBD	Leukerbad	
LKBD2	Leukerbad 2	
LKC	Lake Chabot	
LKD	Levkas	
LKD2	Lefkada island	
LKFR	Kufra	
LKG	Breislack	
LKGA	Lookout Mountain	
LKGR	Lake Grace	
LKGWB	Lokgwabe	
LKL	Kirkby Lonsdale	
LKLB	Kalborn	
LKN	LUCKNOW	
LKO	Korhogo	
LKP	Lekhapani	
LKR	Lokris	
LKRN	Lenkeran, Azerbaijan	
LKVW	Lakeview	
LKW	Lake Wisdom	
LKWY	Lake	
LL-	Laurel	LL-MS
LL01	San Ignacio de Huinay	
LL02	Futaleuf	
LL03	Petrohue	
LL04	Puerto Octay	
LL05	Los Muermos	
LL06	Loncomilla	
LL07	Hotel Espejo de Luna	
LL1C	La Loma 1 Canario Temporal	
LL21	Loliondo SS	
LL22	Malambo SS	
LL23	Sali PS	
LL24	Masusu PS	
LL2C	La Loma 2 Canario Temporal	
LL3C	La Loma 3 Canario Temporal	
LL5C	La Loma 5 El Paso	
LL65	Arash bomas	
LL66	Piyaya bomas	
LL6C	La Loma 6 Becerril	
LL7C	La Loma 7 Curumani	
LL8C	La Loma 8 Chimichagua	
LLA	Llanada	
LLAC	Llano	
LLAH	Lualailua	
LLAV	El Llanito	
LLC	La Lucha Farm	
LLCH	Llolleo	
LLD	Lille Linde	
LLGN	La Laguna	
LLI	Lipari	
LLIC	Llico	
LLIS	Llivia - Poliesportiu	
LLJ	Guerrero	
LLKY	Land-Between-the-Lakes	
LLL	Lillooet	
LLLB	Lillooet	
LL-MS	Laurel	
LLNJ	Naranjito	
LLO	Longridge	
LLOA	Lloa	
LLP	Lapu-Lapu	
LLRI	Little Lost River	
LLS	Linth-Limmern	
LLW	Llanuwychllyn	
LLY	Lytham Saint Anne's	
LM-	Lake Mead	LM-NV
LM01	Lskr Muir 01	
LM02	Lake Muir 02	
LM03	Lake Muir 03	
LM04	Lake Muir 04	
LM05	Lake Muir 05	
LM103	Lake Malawi, 103B	
LM107	Lake Malawi, 107	
LM108	Lake Malawi, 108	
LM109	Lake Malawi, 109	
LM110	Lake Malawi, 110B	
LM111	Lake Malawi, 111	
LM112	Lake Malawi, 112	
LM113	Lake Malawi, 113	
LM114	Lake Malawi, 114	
LM115	Lake Malawi, 115	
LM116	Lake Malawi, 116	
LM117	Lake Malawi, 117	
LM118	Lake Malawi, 118B	
LM119	Lake Malawi, 119	
LM120	Lake Malawi, 120	
LM121	Lake Malawi, 121	
LM2	Lima (Magdalena)	
LM203	Lake Malawi, 203B	
LM206	Lake Malawi, 206B	
LM301	Lake Malawi, 301	
LM302	Lake Malawi, 302B	
LM303	Lake Malawi, 303	
LMA	Le Marinel	
LMBQ	La Malbaie	
LMC	Lamocks	
LMCR	Lookout Mountain	
LMD	Lutirano	
LMD1	Lamerd	
LMDM	Medicine Lake	
LMEL	Las Melosas	
LMEM	Manzanita Entrance	
LMF	Le Mans	
LMG	Lamington	
LMGC	Las Mercedes	
LMHM	Little Mount Hoffman	
LMI	Millom	
LMK	Market Rasen	
LML	Lae--Mount Lunaman	
LMM	Maputo	
LMN	Caledonia Mountain	
LMN1	MIRINA LIMNOU	
LM-NV	Lake Mead	
LMO	Lookout Mountain Observatory	
LMP	Lamap	
LMPM	Military Pass	
LMQ	La Malbaie	
LMR	La Mourre	
LMS	Lookout Mountain Observatory	
LMS2	Laimos Florinas	
LMSR	Misrath	
LMT	Lemonthyme	
LMTN	Little Mountain	
LMTZ	Lermontov	
LMU	Lake Mountain	
LMUT	Lake Mountain	
LMW	Ladd Mountain	
LMX	La Mesa Andrade	
LMZ	Lake Moeraki	
LMZM	Manzanita Lake	
LN14	Matela PS	
LN15	Lekule Girls SS	
LN16	Kitarini PS	
LN25	Lake Natron SS	
LN26	Engaresero PS	
LN34	Lwondulwo boma	
LN35	Magadini PS	
LN45	Noondotu PS	
LN46	New Vision PS	
LN9	Lone Pine	
LNA	Lyangar	
LNAS	Los Alamitos	
LNB	Las Nubes	
LNBQ3	Los Naranjos, Chiriqui	
LNC	Lunacharskoye	
LNCH	Linares	
LNCR	Limon	
LND	London (Ont)	
LNF	Linfen	
LNG	Luning	
LNGL	El Angel-Carchi	
LNGQ	Gaz Metro	
LNIG	Linares	
LNIZ	Loecknitz	
LNK	Lankaran	
LNKU	Linkoeping	
LNM	Leon	
LN-MA	Lewistown	
LNN	Saint Petersburg	
LNO	Leonard	
LNO2	Leonard	
LNO3	Leonard	
LNOR	Lincton Mountain	
LNR	Lonorore	
LNS	Lanslevillard	
LNSD	Lincoln	
LNSK	Leninskoye	
LNSM	East Lansing	
LNSS	Leonessa	
LNV	Longovilo	
LNVN	Lang Ngam	
LNX	Lenox	
LNXN	Yorkville, LNXT	
LNXT	Lenox	
LNY01	LNY01	
LNY02	LNY02	
LNY03	LNY03	
LNY04	LNY04	
LNY05	LNY05	
LNY06	LNY06	
LNY07	LNY07	
LNY08	LNY08	
LNY09	LNY09	
LNY10	LNY10	
LNY11	LNY11	
LNY12	LNY12	
LNY13	LNY13	
LNY14	LNY14	
LNY15	LNY15	
LNY16	LNY16	
LNY17	LNY17	
LNYS	LNYS	
LO-	Lovelock	LO-NV
LO2	Pahute Mesa	
LOA	Los Alamos	
LOAL	Lomas de Alarcon	
LOBA1	Barahona	
LOBA2	Hotel Casa Bonita	
LOBO	Lobor	
LOC	Lincoln School	
LOCF	Locquirec - 29133 - Finist¨re - Bretagne - France	
LOCO3	Loma Colorada, Chiriqui	
LOCW	Locke Island	
LOD	Lodumlu	
LODA1	ITESIL, Dajabon	
LODK	Lodwar	
LOE	Loei	
LOEI	Loei	
LOES	Loerrach-Stetten	
LOEW		
LOF	Lofoten	
LOG	Logan	
LOGN	Logan Glacier	
LOH	Wallersheim-Loch	
LOHW	Long Hollow	
LOIL	Loyola University of Chicago, IL, USA	
LOJ1	Universidad tcnica Particular de Loja	
LOK	Lockwood Valley	
LOKY	Lockhart	
LOLA	Los Lagos	
LOM	Lome	
LOMA	Loma Larga	
LOMA3	Las Lomas, Chiriqui	
LOMB	Lombego	
LOMF	Lomont	
LOMO	Loma en Medio	
LOMS	Lomita	
LON	Longmire	
LONA1	Toro Cenizo, Nagua	
LONE1	Neyba	
LONE2	Loma La Sidra	
LONT	Longtian	
LO-NV	Lovelock	
LONY	Lake Ozonia	
LOOK	Love County	
LOP	Lookout Peak	
LOPE2	Hotel El Pedernal	
LOPP1	Punta Rusia, Puerto Plata	
LOPS	Lodge Patagonia Sur	
LOPT	Lopu atari	
LOR	Lormes	
LOR1	SAN LORENZO 2	
LORE	San Lorenzo	
LORF	La Fuente	
LORO	Los Roques	
LORV	San Lorenzo	
LOS	Limnos	
LOSC	Losov	
LOSC1	San Cristbal IPL	
LOSI	Makongolosi	
LOSM	Lostock Dam	
LOSS	Makongolosi	
LOSU	Losuia	
LOT	Lotru	
LOU	Louis Bay	
LOUF	Saint-Loup	
LOUT	Loutraki	
LOY	Loyalton	
LOZ	Lake Ozonia	
LOZB	Loznitsa	
LP-	La Pryor	LP-TX
LPA	La Plata	
LPAR	Lepanto	
LPAZ	La Paz	
LPB	La Paz	
LPC	La Cumbre Peak	
LPD	Lampedusa	
LPDG	Lampedusa Capo Grecale	
LPDM	Pondosa	
LPEF	Le Peyrat	
LPEL	Lama dei Peligni	
LPF	Le Pertre	
LPG	La Plagne	
LPH	Laupahoehoe	
LPHEP	Lephephe	
LPI	Lipari	
LPIG	La Paz	
LPK	Lapseki	
LPL	La Plagne	
LPLA	Las Palmas La Amistad	
LPM	Los Pinos Mountain	
LPMF	Morne Lapointe	
LPO	Le Pouchou	
LPPC	Paso Canoas	
LPQ	La Pocatiere	
LPR	La Peregrina	
LPS	La Palma	
LPSR	Galich'ya Gora	
LPT	Lampang	
LP-TX	La Pryor	
LPW	Lampeter	
LPX	La Paz	
LPZ	San Calixto	
LQA	La Quiaca	
LQP	Lukban	
LQQ	La Grande 4	
LQT	Los Queltehues	
LR02	Universidad Austral	
LR03	Panguipulli	
LR04	Corral	
LR05	Currie	
LR9	Liard River	
LRA	Little Rock	
LRAL	Lakeview Retreat	
LRC	Lone Oak Road	
LRCG	Laurel Creek	
LRCZ	Leaning Rock	
LRDF	Laroque-de-Fa	
LRDM	Redding Peak	
LRDO	Lorado	
LREZ	Lake Rotokare	
LRG	Lorgues	
LRI	Big Lost River	
LRK	Lerik	
LRKT	Look Rock	
LRM	Limekiln Ridge	
LRMC	Laurel Mtn Radio Fac, Ridgecrest	
LRN	Richmond	
LRNO	Larino	
LRNS	Lernantsk	
LRO	Larroussi	
LRONZ	Lake Rotoehu	
LRP	Arpino	
LRQ	La Grande 3	
LRQ1	La Romaine 2 Dam	
LRQ2	La Romaine 2 Dam Dyke F2,	
LRR	Leresti	
LRRC	Littlerock Reservoir	
LRS	Lares	
LRSO	Larissa Observatory	
LRV	Little Rabbit Valley	
LRVA	Lonesome Ridge	
LRVF	chteau la Rivire	
LRW	Lerwick	
LRWS	Lerwick	
LRYF	La Roche-sur-Yon	
LS-	Lisbon (USA)	LS-NH
LS01	LS01	
LS02	LS02	
LS03	LS03	
LS04	LS04	
LS05	LS05	
LS06	LS06	
LS07	LS07	
LS08	LS08	
LS09	LS09	
LS10	LS10	
LS11	LS11	
LS12	LS12	
LS13	LS13	
LS14	LS14	
LSA	Lhasa	
LSCH	La Serena	
LSCT	Lakeside	
LSCZ	Lilico Spur	
LSD	Lago del Serru	
LSDC	Los Osos Digital	
LSF	La Souterraine	
LSH	Leshukonskoye	
LSHF	Shwairf	
LSHM	Sage Hen Hill	
LSI	Little Sitkin Island	
LSI01	Los Alamos Infrasonic Array Site 1	LSIAR
LSI02	Los Alamos Infrasonic Array Site 2	
LSI03	Los Alamos Infrasonic Array Site 3	
LSI04	Los Alamos Infrasonic Array Site 4	
LSIAR	Los Alamos Infrasonic Array Beam Reference Point	
LSIP	Lazi, Siquijor	
LSK	Leskovik	
LSLM	South Lassen	
LSM	Little Skull Mountain	
LSM0	Laboratory Soil Mechanics	
LSM1	Laboratory Soil Mechanics	
LSN	Little Skull Mountain	
LSN4	Lesnoe	
LS-NH	Lisbon	
LSNR	Lesken	
LSNW	Little Sitkin NW	
LSOL	La Lindora	
LSP	Las Mesas	
LSP2	Las Mesas	
LSPA	Little Sitkin PP	
LSPF	Lesparou	
LSQ1	Lac Sinclair, Quebec	
LSQQ	Lebel-sur-Quevillon	
LSR	Lussari	
LSRT	Sirt	
LSS	Leonessa	
LSSA	Little Sitkin S'e	
LSSE	Little Sitkin SE	
LST	Lone Star	
LSTR	Listvyanka	
LSTV	Lastovo	
LSU	Lake Shores	
LSU1	Parcperdue Array	
LSU2	Parcperdue Array	
LSU3	Parcperdue Array	
LSU4	Parcperdue Array	
LSU5	Parcperdue Array	
LSUT	Lucky Star	
LSVB	Lang Son station	
LSVT	Lusahovit	
LSW	Landslide	
LSZ	Lusaka	
LT-	Lewistown	LT-PA
LT1	Stevens Creek	SEC
LT11	Empire Grade Rd	EGR
LT12	Eureka Canyon	EUC
LT13	Angel Island	AGC
LT15	Bear Creek Road	
LT16	Bolinger Road	BGC
LT17	Morgan Territory	MTC
LT18	Palomares Rd	PLC
LT2	St Joseph	SJH
LT3	Portola State Park	
LT4	Stanford	SFT
LT5	La Honda	
LT6	Woodside	WDS
LT7	Menlo Park	MOB

Code	Station Name	Other
LT8	Coyote Hills	CYH
LT9	San Andreas Lake	
LTA	Leoben	
LTB3	Lajitas B3	TX04
LTBQ	Tobruq	
LTC	Little Chuckwalla Mountains	
LTCM	Tuscan Springs	
LTG	Los Tablones	
LTGO	Lithgow	
LTH	Lepaterique	
LTHK	Lithakia	
LTHS	Al Lith	
LTI	Latouche	
LTIM	Timbered Crater	
LTK	Loutraki	
LTKA	Viseisei, Central Div. Fiji	
LTL	Livingston	
LTM	Little Maria Mountains	
LTMT	Little Table Mountain	
LTN	Lennox	
LT-PA	Lewistown	
LTQ	La Grande	
LTR	Lone Tree Road	
LTRA	Loutraki	
LTRP	Tripoli	
LTRR		
LTRZ	Laterza	
LTSN	Latisana	
LTT	Louis Trichardt	
LTTV	Tivoli	
LTU	Little Mountain	
LTVH	Ltavrtes, Hungary	
LTW	Los Trancos Woods	
LTX	Lajitas	
LTY	Liberty	
LTZ	Lake Taylor	
LUA	Luanda	
LUB	Lubbock	
LUBAN	Lubango	
LUBAR	Lubar, Ukraine	
LUBP	Lubang	
LUBY	Luby	
LUCE	EL LUCERO, RIO SANCHEZ	
LUCF	Luceram	
LUCR		
LUDR	Luperon	
LUEB	Luebbecke	
LUENA	Luena	
LUES	Luesalemba Temotu	
LUEV	Luepa	
LUG	Luganville	
LUHNE	HRB Luhne-Lengefeld	
LUJA	Lujan	
LUJL	Ujela	
LUK		
LUKA1	Lukmanier-Pass	
LUKC	Luka	
LUL	Lundy Lake	
LULE	AFAR0911 - ZR	
LUMB	Murzuk	
LUMP	Lumpola	
LU-MS	Lumberton	
LUN	Lund	
LUNA	Lae	
LUNI	Base Naval La Union	
LUNU	Lund	
LUPA	Lehigh University	
LUPE	Guadalupe	
LUPN	Lupin Mine	
LURI	Luri	
LUS	Lusaka	
LUSI	Trento, Gardasee/Lago di Garda	
LUTC		
LUV	Laichau	
LUWI	Luwuk	
LUX	Luxembourg	
LUZB	Luzhba, Kemerovskaya Oblast', Russia	
LV-	Liddieville	LV-LA
LV9	Isola Levanzo	LVI
LVA	Lava Point	
LVAR	Leachville	
LVC	Limon Verde	
LVG	La Victoria	
LVGX	La Villita	
LVI	Isola Levanzo	
LVIA	Vianden	
LVIG	Laguna Verde	
LVK	Lovelock	
LV-LA	Liddieville	
LVMM	Veracruz	
LVN	Las Vegas	
LVNJ	Long Valley	
LVNO	Livorno Protezione Civile	
LVP	Lakeview Peak	
LVR	Liverpool	
LVRA	Laurium	
LVRI	Lost Valley Reservoir	
LVS	La Villa de Los Santos	
LVU	Levan Peak	
LVV	L'vov	
LVVM	Laguna Verde	
LVW	Las Vegas	
LVY	Levy	
LVZ	Lovozero	
LW-	Lake Wenatchee	LW-WA
LW01	OBS LW01	
LW06	OBS LW06	
LW07	OBS LW07	
LW11	OBS LW11	
LW13	OBS LW13	
LW15	OBS LW15	
LW18	OBS LW18	
LW20	OBS LW20	
LW22	OBS LW22	
LW24	OBS LW24	
LW26	OBS LW26	
LW28	OBS LW28	
LW30	OBS LW30	
LWA	Lower Mag Wash	
LWH	Whinny Nab	
LWI	Lwiro	
LWLI	Liwa	
LWN	416	
LWNG	Array-Uganda/Tanzania zania - ZP	
LW-WA	Lake Wenatchee	
LXIB	Xiulin Township	
LXQ	La Grande 3	
LXR	Lexington Reservoir	
LXR1	Lixouri, Cephalonia isl., Greece	
LXRA	Lixouri, Kephalonia	
LYDE	Elidar	
LYES	Lernapar	
LYJJ	Jianjiangzhen	
LYLS		
LYMT	Lyon Mountain	
LYN	LuoYang	
LYNC	Lynnwood City Hall ANSS-SMO	
LYNN	Rosslynne Res.	
LYP	Liyang	
LYUB	Lan-yu	
LYW	Lyman	
LY-WA	Lynden	
LZ-	La Paz	LZ-BV
LZB	Mount Lazard	
LZ-BV	La Paz	
LZDM	Lanzhou Array Beam Reference Point	
LZG	Guadaloupe-1	
LZH	Lanzhou	
LZLA	Zalla	
LZR	Lazarev	
LZRR	Lazarevskoye	
M004	Dlalha	
M005	Laghdir	
M006	Ctre Commune Tamorot	
M007	Tizi Ouasli	
M008	Mechra Hommadi	
M010	Touazithe	
M012	Douar Al Jazira	
M013	Dehoura	
M014	Douar Assehloun	
M015	Debdou	
M016	El Aouinet	
M017	Sidi Mnan	
M018	Ctre Commune Adrej	
M019	Kzer Tazemourite	
M01A	M01A	
M01C	Crescent City	
M01C7	M01C7	
M0282	Quebese, A0282	
M0295	Nova Mambone, A0295	
M0297	Inchope, A0297	
M02A	M02A	
M02C	Callahan	
M02C7	M02C7	
M0302	Macossa, A0302	
M03A	M03A	
M03C	McCloud	
M03C7	M03C7	
M04C	Macdoel	
M04C7	M04C7	
M05C	Lookout	
M05C7	M05C7	
M06A	M06A	
M06C	Likely Place Golf, Likely	
M06C7	M06C7	
M0770	Cavilane, A0770	
M0781	Caia, A0781	
M0786	Catandica, A0786	
M0789	Sofala, A0789	
M07A	Soldier Meadows	
M07A7	M07A7	
M07C	M07C	
M0805	Chai village, A0805	
M0818	Chokwe, A0818	
M08A	Happy Creek Ranch, Winnemucca	
M08A7	M08A7	
M08C	M08C	
M09A	Marrel Ranch, Paradise Valley	
M09B	M09B	
M1025	Muanza, A1025	
M1030	Susundenga, A1030	
M1032	Serra Gorong, A1032	
M10A	I.L. Ranch, Tuscararo	
M10B	M10B	
M11A	Holland Ranch, North Fork	
M11B	M11B	
M11K	Mekoryuk	
M12	M12	
M12A	Wells	
M12B	M12B	
M13A	Montello	
M13B	M13B	
M13D	M13D	
M13K	Dall Lake	
M14A	Sheep Mountain BLM, Rosette	
M14B	M14B	
M14D	M14D	
M14K	Bethel	
M15A	Larsen Ranch, Promontory	
M15D	M15D	
M15K	Kasigluk River	
M16A	Huntsville	
M16D	M16D	
M16K	Timber Creek	
M17A	Scullys Gap (BLM), Evanston	
M17D	M17D	
M17K	Holitna River	
M18A	Lyman	
M18B	M18B	
M18K	Stony River	
M19A	Rock Springs	
M19K	Big River Lodge, Big River	
M20A	Sweetwater, Wamsutter	
M20K	Styx River	
M21A	Separation Peak, Rawlins	
M22A	Cedar Creek Ranch, Saratoga	
M22K	Willow	
M23A	Laramie	
M23K	Glacier View	
M24A	Cheyenne	
M24K	Tolsona, Glennallen	
M25A	Palm-Egli Farm, Albin	
M26A	McRoberts Ranch, Bridgeport	
M26K	Nabesna, AK	
M27A	Reverse DX Ranch, Oshkosh	
M27K	Edge Creek, AK	
M28A	Bar X Bar Ranch, Keystone	
M29A	Burnside Ranch, Stapleton	
M29M	Somme Creek	
M30A	Dale-Ortello Valley, Anselmo	
M30M	Minto, Yukon	
M31A	Lambtecht Ranch, Loup City	
M31M	Drury Creek, Yukon	
M33A	Taylor Creek Farms, Clarkson	
M3433	Machasi, A3433	
M34A	Aspy Farms, Fremont	
M3522	Mafambisse, A3522	
M3527	Staff village, 3527	
M35A	Neola	
M36A	Felix, Anita	
M37A	Trindle Farm, Earlham	
M3869	Nhangau, A3869	
M3870	Villa Arriage, A3870	
M3878	Maxixe, 3878	
M38A	Pleasantville	
M3901	Malelane, 3901	
M39A	Webster	
M3A16	Orpen Rest Camp, 3A16	
M3A19	Chidenguele, A3A19	
M3G66	Mabote, A3G66	
M3G86	Duma, A3G86	
M3G93	Massangena, A3G93	
M40A	Post Highland Seismo, Ainsworth	
M41A	Milan	
M42A	Sheffield	
M43A	Waltham Township, Utica	
M44A	Midewin, Midewin Nat. Tallgrass Prairie	
M45A	Boilermakers Shaker, Crown Point	
M4658	Funhalouro, A4658	
M46A	Old House Field, Plymouth	
M47A	Cromwell	
M48A	Edgerton	
M49A	Liberty Center	
M50A	Fremont	
M51A	Elyria	
M52A	Chesterland	
M53A	WI Miller and Sons, Farmdale	
M54A	Oil Creek State Park, Oil City	
M55A	Ridgway	
M56A	Emporium	
M57A	Sunshine Farm, Cogan Station	
M58A	Price's Panorama, Muncy Valley	
M59A	Waymart	
M60A	Port Jervis	
M61A	Granite Springs	
M62A	Hamden	
M63A	Gales Ferry	
M64A	Tiverton	
M65A	Busby, Falmouth	
M66A	Nantucket	
MA1	Montasola	MNS
MA2	Magadan	
MA9	Marino	
MAA	Manantiales	
MAB1	Monte Acero	
MABC	Malibu	
MABD	Mabed	
MABG	Mt Annan Botanic Gardens	
MABI	Malga Bissina	
MAC	Mark West Springs	
MACA	Manacapuru-AM	
MACA3	Macaracas	
MACC	Macarena, Meta	
MACE	Macas	
MACH	Maria Elena	
MACI	Morro de la Arena	
MACK	Trabzon	
MACM	Macedon	
MACO	Marietta College	
MACP	Maragondon, Cavite	
MAD	Madang	
MAD3	Madden Dam	
MADA	Marmara adas, BALIKESR	
MADF	Madeleine	
MADG	Magdalen Islands	
MADN	Villa Maderas	
MADO	Madoc	
MADR	Mao Valverde	
MADS	Madsous	
MAE	Maebashi	
MAEJ	Maebashi 2	
MAENZ	Matahina East	
MAF	Mazirat	
MAFI	Mafinga	
MAG	Magadan	
MAG1	Magdalena	
MAGA	Magasa	
MAGC	SCE Magundon Plant	
MAGD	Magdalena	
MAGG	Maguga Dam	
MAGK	Magadi	
MAGL	Barre de l'ile, St louis, Marie Galante	
MAGO	Bibbona	
MAGOA	Magoula	
MAGS	Ministerio de Agricultura y Ganaderia, Santa Tecla	
MAGT	Magosa	
MAGU	Magoula	
MAH	Mahableshwar	
MAHB	Mahabad	
MAHO	Mahon	
MAHZ	Mahia	
MAI	Maizuru	
MAIG	Mazatlaan	
MAIM	Mastiano	
MAIO	Mashhad (SRO)	
MAIT	Maitri	
MAJ	Maron	
MAJ01	Sao Joao Batista-SC	
MAJI	Maji Moto Rd	
MAJO	Matsushiro	
MAK	Makhachkala	
MAKA	Makarska	
MAKE	Makete	
MAKGR	Makgori	
MAKK	Maki	
MAKM	Makambako	
MAKR	Makrakomi, Fthiotida	
MAKS	Makuyuni S	
MAKT	Makukawa	
MAKU	Maku	
MAKZ	Makanchi	
MAL	Malaga	
MAL2	Monte Alegre, PA, Brazil	
MALA	Malamata, Dorida, Central Greece	
MALA0	Maryeong	
MALB	Monte Alegre	
MALC	Bahia Malaga	
MALE	AfricaArray/PSU - ZP	
MALES	Malesina	
MALG	Malagash, Nova Scotia	
MALI	All	
MALIN	Malinovka, Kuzbass, Russia	
MALJ	Lake Magadi	
MALK	Mahakanadarawa	
MALM	Malindi	
MALO	McAlpine Lake	
MALT	Malatya	
MALTN	Maltahohe	
MAM	Mambajao	
MAMC	Mammari	
MAME	Mamelis	
MAMG	Mamou	
MAMI	Mei-Ami	
MAMO	Mamousia	
MAN	Manila	
MAN01	Angra dos Reis-RJ	
MAN1	Correggio Man	
MAN2	Manyara 2	
MANA	Manning	
MANC	Manicuare_ULA	
MAND	Mandvi	
MANDA	Manda	
MANE	Mangone	
MANG	AfricaArray SE Tanzania Basin Experiment - YH	
MANI	Manica	
MANM	Veracruz	
MANN	Mannheim	
MANNZ	Manawahe	
MANO	Manonville	
MANR	Mangalia	
MANS	Anshas	
MANSI	Mansion, MANS	
MANT	Manisa	
MANU	Manus Island	
MANV	Manamana	
MANY	Mount Airy	
MANYT	Manyoni	
MANZ	Manzenberg	
MAO	Monte Argentario	
MAO1	Mao	
MAOD	Malaho	
MAON	Monte Argentario	
MAP	Mactan	
MAPC	Malpelo	
MAPH	Mapinhane	
MAPI	Mapinhane	
MAPS	Pakushin Southeast, Makushin Volcano	
MAPV	Macapo	
MAR	Marseilles	
MAR04	UHE Marimbondo	
MAR1	Marmaraadasi Cinnet	
MAR2	Marsite Station 2 Hoskoy	
MAR3	Marsite Station Guzelkoy	
MAR4	Marsite Station 4	
MAR5	Marsite Station Ucmakdere	
MAR6	Marsite Station Kirazli	
MAR7	Marsite Station Mursalli	
MAR8	Marsite Station Cinarli Koyu	
MAR9	Marsite Station Marmara Adasi	
MARA	Maracay	
MARB	Ma'rib	
MARC	Maricopa	
MARCO	Tramutola	
MARD	Mardin	
MARE	Marsico Vetere	
MARG	Lake Margaret	
MARH	Ras Al Marh	
MARI	Martimbang	
MARI3	Mariato, Veraguas	
MARIN	Mariental	
MARIO	Marineo	
MARJ	Al Marj	
MARK	Kumluca	
MARL	Marlboro	
MARM	Chiapas	
MARMO	Marston	
MARN	Marana (Italy)	
MARNC	Mare, Loyalty Islands, New Caledonia	
MARNZ	Maroera	
MARP	Paez Belalcazar	
MARR	Marisel-Cluj	
MARS	Marsala (TP) Italy	
MART	Mareth	
MARV	Martvili	
MARY	Rancho Maria	
MARYW	Marymoor Park	
MARZ	Manawahe	
MAS	Mason Butte	
MAS01	UHE Manso	
MASB	Masset	
MASBT	Mashibuluo	
MASC	Masc	
MASF	Masafi	
MASH	Mash`abbe Sade	
MASI	Maura Aman, Bengkulu	
MASJ	El Maslubiya	
MASN	Masaya	

Code	Station Name	Other
MASO	Asolo, Italy	
MASR	Amasra-Bartin	
MASS	Massafra	
MASSA	Massa (MS), Italy	
MAST	Casa Vasconez, Mastodontes, Carcelen, Quito, Ecuador	
MASU	Masugnsbyn	
MAT	Matsushiro	
MAT0	Matsushiro Array Site 0	
MATA	Matapalo	
MATAM	Matamba	
MATB	Ma-tsu	
MATC	Matruh	
MATE	Matera	
MATF	Mathat	
MATG	Mataguay Scout Camp, California	
MATH	Matsumotoyama	
MATI	Mati	
MATJ	Matjiesfontein	
MATL	Matarih	
MATM	Matthews	
MATN	Matagalpa	
MATP	Matopo	
MATQ	Matagami	
MATS	Near Sharaf	
MATTE	Schuetzenmatte (BS)	
MAU	Matua	
MAUBO	Mauborget	
MAUC	Maruska	
MAUI	Maui	
MAUS	Longido	
MAUS2	AfricaArray - ZP, MAUS	
MAVI	Loma El Joboban	
MAVM	Malinalco, Edo de Mexico	
MAW	Mawson	
MAY	Mayfield	
MAYA	Malatya/Merkez	
MAYB	Maynard	
MAYE	Mayche	
MAYMX	MAY	
MAYO	Mayo, Yukon	
MAYR	Mayorazgo	
MAYS	Mayak na Mysu Ozernom	
MAZ	Mazatlan	
MAZA	Mabujiaxiang, Xizang Zizhiqu	
MAZI	Mazidag	
MAZR	Mazracia	
MB-	McComb	MB-MS
MB01	Capitignano (AQ), Italy	
MB02	Pago Rovagnano (AQ), Italy	
MB03	Capitignano (AQ), Italy	
MB04	Capitignano (AQ), Italy	
MB05	Capitignano (AQ), Italy	
MB06	Piedicolle (AQ), Italy	
MB07	Marignano (AQ), Italy	
MB08	Capitignano (AQ), Italy	
MB09	Paterno (AQ), Italy	
MB10	Capitignano (AQ), Italy	
MB12	Montereale (AQ), Italy	
MBA	Mount Bingar	
MBAL	Monte Baldo - Osservatorio Astronomico Novezzina	
MBAM	Mbamba Bay	
MBAR	Mbarara	
MBAT	Mbeya	
MBAZ	Motutapu North Island, New Zealand	
MBBY		
MBC	Mould Bay	
MBDF	Montbardon	
MBEL	Montebelluna (TV)	
MBET	Bethel	
MBEY	Mbeya	
MBFL	Flemmings, Montserrat	
MBFM	Blanchard Fire Station	
MBFT	Monte Bonifato	
MBG	Matouba	
MBGA		
MBGB		
MBGE		
MBH	Mount Berech	
MBHS	Matema	
MBI	Menan Buttes	
MBIG	Mexicali	
MBJ	Montego Bay	
MBL	Marble Bar	
MBLB	Minette Bay Lodge, Kitimat, BC, Canada	
MBLG		MLGT
MBMH		
MB-MS	McComb	
MBNC	Mukinbudin Central	
MBNS	Mukinbudin South	
MBO	M'Bour	
MBPA	Monroe Substation	
MBRI	Mt Berech	
MBRV		
MBRY		MRYT
MBSI	MBSI	
MBSS		
MBT	Marble Bar	
MBU	Bua	
MBUL	Mbulu	
MBUM	Mount Bullion	
MBUT	Moab	
MBV	Mont Bernier	
MBW	Mount Baker	
MBWA	Marble Bar	
MBWE		
MBWH		
MBZ	Menzel Bouzelfa	
MC-	Mitchell	MC-SD
MC01	Montes Claros	
MC02	Montes Claros	
MC03	Montes Claros	
MC04	Montes Claros	
MC05	Montes Claros	
MC06	Montes Claros	
MC2	Monte Cornaccione	
MC32	Moccone	
MCA	Marble Canyon	
MCA2	McAdam 2	
MCA3	McAdam 3	
MCA4	McAdam 4	
MCAA	Afar, MCA	
MCAB	Moca	
MCAD	Moucha	
MCAR	Mid-South CC	
MCARA	McCarthy VSAT	
MCAS	Mount Castle	
MCASZ	Murchison	
MCB	Moose Creek Bluff	
MCBM	Casa Benchmark	
MCC	Mica Creek	
MCCM	Marconi Conference Center, Marshall	
MCCR	Mono Craters	
MCD	Coleburn Distillery	
MCDM	Chidago Canyon	
MCDR	Montecristi	
MCE	Mica Creek	
MCEL	Monticello	
MCEM	Central Site	
MCG	Mt St Catherine	GRW
MCGN	Macugnaga	
MCH	Masachapa	
MCH1	Michaelchurch	
MCHD	Bankside	
MCHM	Carson Hill	CRH
MCHV	Machiques	
MCHZ	McNeill Hill	
MCI	Monte Cassino	
MCI6	Montes Claros	
MCI7	Montes Claros	
MCI8	Montes Claros	
MCI9	Montes Claros	
MCID	Moose Creek	
MCIF	Montecalvo in Foglia	
MCIG	Muzquiz	
MCIL	McClure	
MCIR	Makushin Cirque	
MCIV	Monte Civitella	
MCJ	Malvern	
MCK	McKinley	
MCKN	MacKay Lake North	
MCL	McNeil River	
MCLF	Montecilfone	
MCLT	Moule a Chique	
MCM	McMurdo Sound	
MCMB1	Michelle Canyon Maxwell	
MCMM	Convict Lake	
MCMN	McManaman Lake, Nunavut	
MCMT	McKenzie Canyon	
MCN	Mercury	
MCNB	McAdam	
MCNL	McNeil River	
MCO	Taipa Grande	
MCOR	Cornuda	
MCP	Moca	
MCPB	Macapa, AP	
MCPD	Capo d'Orlando	
MCPI	Mackay Peak	
MCPQ	Mount Cooper	
MCPZ		
MCQ	Macquarie Island	
MCQV	Machiques	
MCR	Mercer	
MCR1	Marechal Candido Rondon	
MCRA	Macar, Loja	
MCRB	Monte do Carmo	
MCRR	Mono Craters	
MCRS	Metsamor	
MCRU	Las Cruces	
MCRV	Calabrutti - M.te Cervialto	
MCS	Marcus Island	
MCSA	Afar, MCS	
MC-SD	Mitchell	
MCSJ	Minami-tori-shima	
MCSM	Casa Diablo Hot Springs	
MCSR	Castroreale	
MCT	Mte Cammarata	
MCU	Monte Cristo Peak	
MCUB	Copperopolis Broadband	
MCUM	Copperopolis	
MCUR	KIREHR	
MCV	Mercury	
MCVM	Convict Lake	
MCVT	Middlebury College	
MCVV	Moc Chau	
MCW	Mount Constitution	
MCWV	Mont Chateau	
MCY	Mercury	
MD01	Midelt array site 01	
MD1	Moodus	
MD2	Moodus	
MD3	Moodus	
MD31	MD31	
MD4	Moodus	
MD5	Moodus	
MDA	Mount Davis	
MDAL	Dalia	
MDAR	Monte D'Aria	
MDB	Medias	
MDBA	School, Shinfa	
MDBI	Mazsada	
MDC	Mount Diablo	
MDCM	Deadman Creek	
MDCT	Cottage Hill, Dominica	
MDD	Madrid	
MDG	Madang	
MDGS	Mont de Guillon, France	
MDH	Madha	
MDI	Monti di Nese	
MDJ	Mudanjiang	
MDL	Mandileni	
MDM	Murphy Dome	
MDMP	Dominica, Moore Park	
MDN	Morne-Daniel	
MDND	Maddock	
MDNY	Mudanya-Bursa	
MDO	Dochfour	
MDOC	Michoac¡n de Ocampo	
MDOK	Medeo	
MDP	Montagnes des Pe@15res	
MDPB	Devils Postpile Broadband	
MDPM	Devils Postpile	
MDPO	Dominica; Chance, Portsmouth	
MDPV	Dominica, Pennville	
MDQNZ	McDougall's Quarry	
MDR	Madras	
MDRAS	Madrakah	
MDRJ	Muduarah	
MDRK2	MDRK2	
MDRM	Moondarra Dam	
MDRNC	Doe Ridge	
MDRS	Chennai	
MDRV	Mala Drenova	
MDS	Madison	
MDSI	Maura Dua	
MDSJ	Mudaysisat	
MDSM	Mandiavato	
MDT	Midelt	
MDU	Mudurnu	
MDUB	Mudurnu	
MDUM		
MDV	Middlebury	
MDVC	Dominica, Vielle Case	
MDVM	Presa Madin	
MDVR	Moldovita	
MDW	Midway	
MDY	Midway	
MDYL	Doganyol-Malatya	
MDYM	Dry Creek	
MDYO	DHOFAR2 - YR	
MDZ	Mendoza	
ME-	Merritt	ME-BC
ME01	Mistretta	
ME02	San Fratello	
ME03	Palmi	
ME04	Brognaturo	
ME05	Diga del Menta	
ME06	Antenna a Mare	
ME07	Castell'Umberto	
ME09	Pentidattilo	
ME10	Cittanova	
ME12	Panarea 2	
ME15	Gioiosa Marea	
MEA	Monteagle	
MEAN	Meany Midle School ANSS-SMO	
MEB	Medea	
ME-BC	Merritt	
MEC	Mechernich	
MECA	Mercedes	
MECC	Mecca Hills	
MECE	Ethiopia-Afar Geoscientific Lithospheric Experiment	
MECH	Mejillones	
MECK	Meckering	
MECP	Medelin, Cebu	
MECU	Ecuador Network	
MED	Medan	
MEDA	Medicine Hat	
MEDC	Medellin	
MEDEC	Medelln, Antioquia	
MEDO	Medina	
MEDS	Mednyi	
MEDT	Meda	
MEDY	Medina	
MEE	Meerut	
MEEK	Meekatharra	
MEF	Metsahovi	
MEG	Meangora	
MEGE	Megenta	
MEGN	Megha	
MEGW	Megler CREST BB SMO	
MEH	Mehetia	
MEI	Melilli	
MEIG	Mezcala	
MEJI	Mejillones	
MEK	Meekatharra	
MEKA	Meekatharra	
MEKE	Ethiopia-Afar Geoscientific Lithospheric Experiment	
MEL	Melbourne	
MELA	Melanico ??? S. Croce di Magliano	
MELAE	School, Dubaba	
MELE	Ethiopia-Afar Geoscientific Lithospheric Experiment	
MELF	Melles	
MELI	Melilla	
MELS	Mels	
MELSS	Ber_school_2	
MEM	Membach	
MEMM	East Mammoth Hills	
MEMT	Mount Ellis	
MEN	Mendoza	
MENA	Menton	
MEND	High School, Mendi	
MENF	Mencas	
MENI	Mendum Tagoi	
MENT	Mentasta	
MENTE	Menteroda	
MEO	Meers	
MEP	Mte del Estrado	
MER	Merida	
MERA	Merate	
MERC	Merced, CA USA	
MERK	Meru	
MERS	Mersin	
MERT	Meerut	
MERTO	Secondary School, Merto Lemorgan	
MERV	Las Mercedes	
MERW	Merweville	
MES	Messina University	
MES1	Messina Univ.	MES
MES2	Methoni	
MES3	Kyparissia	
MESA	MESA	
MESA3	La Mesa, Veraguas	
MESC	Monte Escuro	
MESG	Messagne	
MESJ	Messejana	
MESR	Meseseni	
MESS	Mesas	
MEST	Erdemli	
MET	Memphis--Engineering Building	
MET4	Agioi	
MET5	Makryloggos,Methana,Greece	
MET6	Megalochori,Methana,Greece	
METK	Mets Parni	
METMA	Mettma DE	
METS	Metsamor	
METSI	Metsovo, MET	
MEU	Monte Lauro	
MEV	Metsovon	
MEVZ	Cumbal	
MEW	McNeil Island	
MEX	Mexico City	
MEXI	Barrio Mexico	
MEZ	Mezhgor'ye	
MEZF	Maizieres J'ville	
MF-	Medford	MF-WS
MF5	Montefalcone Appennino	
MFA	Mitchell Field	
MFAN	Fanzolo, Italy	
MFBM	Five Bridges	
MFCH	Minera del Fierro	
MFERR	Prayon, Val Ferret, La Fouly, VS	
MFF	Saint Martin du Fouilloux	
MFI	Fishrie	
MFID	Camas Ranch	
MFM	Minneapolis	
MFNL	Monte Finestrelle	
MFNN	Fano	
MFO	Meers Fault	
MFOH	Malabar Farm State Park	
MFP	Moca	
MFRI	Mfriga	
MFS	McCloud Flat South	
MFS3	Miraflores	
MFSFA	Multi FST (Faido)	
MFSFB	Multi FST (Faido)	
MFSM	McCloud Flat S	MFS
MFT	Murefte	
MFTN	Millsfield	
MFTR	Murfatlar	
MFW	Milton-Freewater	
MF-WS	Medford	
MG00	Magoula, Dorida, Central Greece	
MG01	Puerto Williams	
MG02	Cerro Sombrero	
MG03	Isla Dawson	
MG04	Isla Riesco	
MG05	Puerto Natales	
MGA	Milagra Ridge	
MGA1	Managua	
MGAB	Montegabbione	
MGAN	Managua	
MGAT		MBGA
MGB	Mount Grey	
MGBA	MARTIN GARCIA	
MGBB	Grossbuechelberg	
MGBR	Mount Gambier	
MGC	Mingacevir	
MGCB	McGee Creek	
MGCD	Mangrove Creek Dam	
MGCU	Grand County Courthouse, Moab, UT	
MGD	Magadan 1	
MGDM		
MGDN	Magdalena	
MGDQ	Mulgrave and Derry, QC.	
MGER	Gerania Oros	
MGG	Marie-Galante	
MGH	Saint George's Hill	
MGI	Mount Gilboa	
MGIG	Malinaltepec	
MGIO	Monte Giove	
MGJ	Motegi	
MGL	Magalia	
MGLS	Mageik Landslide	
MGM	Magruder Mountain	
MGMB	Mountain Meager	
MGMO	Mountain Grove	
MGN	Mengen	
MGNA	Meganis	
MGNC	Mount Gibbes	
MGNE	Clinic, Gonder/Metema	
MGNR	McGee Canyon	
MGO	Magodro	
MGOD	Makushin Gods Own Repeater Site	
MGOO	Greenacres	
MGOR	Morogoro	
MGP	Maguayo	
MGP1	Megalopolis	
MGPB	Maguayo	
MGPM	Gravel Pit	
MGR	Morigerati	
MGRA	Magara	
MGRB	Mount Grey	
MGRD	Malga Garda, Italy	
MGRO	Montegrosso	
MGRS	Mrkonjic Grad	
MGRZ	Megri	
MGS	Middleton Gardens	
MGTN	Margaret Lake	
MGU	Meadow Creek Golf Course	
MGUL	San Miguel	
MGV	Manicaragua	
MGVT	Montgomery	
MGZ	Maungaku	
MH-	Mitchell	MH-NB
MH36	Zermatt, Position 36, VS	
MH38	Zermatt, Position 38, VS	
MH44	Zermatt, Position 44, VS	
MHA	Mahukona	
MHAI	Haid-Arzberg	
MHC	Mount Hamilton	
MHCZ	Mount Hutt	
MHD	Mile High Drive	
MHDL	Marin Headlands	
MHDM	Hidden Dam	
MHDR	Mahidharpur,Odisha	
MHEZ	Mangahewa	
MHGZ	Mahia Peninsula	
MHI	Mashad	MAIO
MHISU	ISU Mehedinti	
MHIT	MHIT	
MHJ	Mihama	
MHK	Manhattan	
MHL	Milos	
MHLA	Plaka, Milos Island	
MHLO	Agia Marina, Milos Island	
MHMT	Maesarieng	
MH-NB	Mitchell	
MHNG	Mohangiri	
MHPQ	Mount Hope	
MHR	Mount Hamilton Road	
MHS	Mammoth Hot Springs	
MHT	Manhattan	

Code	Station Name	Other
MHTCO	State Highway 12, Trinidad	
MHTO	MHTO	
MHV	Michnevo	
MHVM	Bosque de Chapultepec	
MHZ	Mount Horn	
MHZQ	Yeshan	
MI01	Pescomaggiore	
MI02	Paganica	
MI03	Onna	
MI04	Fossa	
MI05	S. Eusanio Forconese	
MI06	Camarda	
MI07	Bazzano	
MI08	Sant'Antonio	
MI09	San Giacomo	
MI10	Sant'Elia 1	
MI20	Yalta	
MI28	Mi28,Pidlybu	
MI29	MI29, Kamyanyy Brid	
MI30	MI30,Zelenitsa	
MIA	Miami	
MIAN	Miandaros Cinnet	
MIAR	Mount Ida	
MIB	Mutribah	
MIC	Michilla	
MICH	Michilla	
MICM	Guayabo	
MID	Middleton Island	
MIDA	Miranda	
MIDE	Milford	
MIDR	Miches	
MIDW	Midway	
MIDY	Mardin/Midyat-Merkez	
MIEE	Ethiopia-Afar Geoscientific Lithospheric Experiment	
MIF	Mishlifen	
MIGAL	Le Pradet	
MIGL	Miglionico	
MIHL	Minatitlan	
MII	Malini	
MIK	Minitrack	
MIKA	Lake Mikany	
MIKI	Bielsko-Biala	
MIKN	Mikawa	
MIKU	Namanyere	
MIL	Milan	
MILA	Mila	
MILB	Miltenberg	
MILE	Mille	
MILG	Mill City	
MILK	Milimani	
MILM	Milestii Mici	
MILN	Milano	
MILO	Milagro-Astudillo	
MILOS	Milos	
MILR	Miller Mountain	
MILT	Milan	
MILZ	Milazzo	
MIM	Milo	
MIN	Mineral	
MIN2	El Beisbol	
MINB	Miramichi	
MINMX	Rancho Viejo MIN	
MINNA	Minna	
MINR	Mina	
MINS	Minaret Summit	
MINT	Mingtut	
MINZ	Cinco Dias	
MIO	Marion Island	
MIOU	Port Miou	
MIP	Matupit	
MIPR	Malaya Ipel'ka	
MIQ	Maniwaki	
MIR	Mirnyy	
MIR01	Medolla (MO)	
MIR02	Mirandola (MO)	
MIR03	Mirandola (MO)	
MIR04	Gavello, Mirandola (MO)	
MIR05	Villa Poma (MN)	
MIR06	Pieve di Coriano (MN)	
MIR07	Ostiglia (MN)	
MIR08	Quarantoli, Mirandola (MO)	
MIR27	MIRABELLA ECLANO	
MIRA	Miradouro	
MIRA3	Miramar, Colon	
MIRAN	Mirandola MO	
MIRC	Martinez Indian Reservation	
MIRN	Miramar	
MIS	Mishima	
MISD	Mianeh	
MISE	Meis	
MISM	Misima Island	
MIST	Miston	
MISV	Misoa	
MIT	Mito	
MITH	Mitoyo	
MITM	Mitta Mitta	
MITU		
MIV	Mineville/Witherbee	
MIW	Mizusawa	MIZ
MIX	Mix Canyon Road	
MIY	Miyako	
MIY1	Miyun	
MIYA	Miryang-si	
MIYJ	Miyakonagasawa	
MIZ	Mizusawa	
MIZN	Minamiizu	
MJ00	Matshushiro Site	
MJ01	Matsushiro Array Site 1	
MJ02	Matsushiro Array Site 2	
MJ03	Matsushiro Array Site 4	
MJ04	Matsushiro Array Site 4	
MJ05	Matsushiro Array Site 5	
MJ06	Matsushiro Array Site 6	
MJ2	May Junction 2	
MJA0	Matsu Arr-Jizo	
MJA1	Matsu-Toyosaka	
MJA2	Matsu-Nakaone	
MJA3	Matsu-Soehiyama	
MJA4	Matsu-Jizotouge	
MJAR	Matsushiro Array Beam Reference Point	
MJAS	Monjas	
MJB1	Matsu-Takimoto	
MJB2	Matsu-Sugadaira	
MJB3	Matsu-Daira	
MJB4	Matsu-Nakagumi	
MJB5	Matsu-Yatsubo	
MJB6	Matsu-Irikaruiz	
MJB7	Matsu-Wadaira	
MJB8	Matsu-Inaba	
MJB9	Matsu-Tunnel	
MJHT	Jackboy Hill	
MJM	Morne Jacques	
MJMA	Al Majma`ah	
MJMS	Al Majmaah	
MJP	Mount John Pukaki	
MJSI	Majene	
MJW	Madison Junction	
MJZ	Mount John	
MK-	Marked Tree	MK-AR
MK01	Makanchi Array site	
MK02	Makanchi Array site	
MK03	Makanchi Array site	
MK04	Makanchi Array site	
MK05	Makanchi Array site	
MK06	Makanchi Array site	
MK07	Makanchi Array site	
MK08	Makanchi Array site	
MK09	Makanchi Array site	
MK31	Makanchi Array site	
MK32	Makanchi Array site	
MKA	Makaopuhi	
MKAO	Maswa Reserve	
MKAR	Makanchi Array Beam Reference Point	
MK-AR	Marked Tree	
MKAZ	Moumakai	
MKC	Moncks Corner	
MKH	Mauna Kea	
MKHL	Mahalah	
MKI	Maiskii, Chutkotka	
MKIL	Mkili	
MKIT	Kithairon Oros	
MKJ	Miyake jima	
MKL	Maskali	
MKMT	Mink Peak	
MKN	Medicine Creek Dam	
MKNA	Makna	
MKO	Miyako	
MKON	Konnersreuth	
MKPT	Marks Point, NSW, Australia	
MKRE	Bukene	
MKRJ	Makawir	
MKRVA	Milk River, Alberta	
MKRZ	Makatiti	
MKS	Makassar	
MKT	Machtesh Katan	
MKUS	Array-Uganda/Tanzania zania - ZP	
MKV	Markovo, Chukotka	
MKVL	Makkovik	
MKW	Mikawa	
MKY	Makeyevka	
MKYD	Doyleston	
MKZ	Mys Kozlova	
ML-	Mogollon	ML-NM
ML02	Panimavida	
ML1	Mono Lake	ML1CL
ML1CL	Mono Lake	
ML2	Mono Lake	ML2CL
ML2CL	Mono Lake	
ML3	Mono Lake	ML3CL
ML3CL	Mono Lake	
ML4	Mono Lake	ML4CL
ML4CL	Mono Lake	
MLA	Malaspina Glacier	
MLA1	Latheron	
MLAC	Mammoth, Mammoth Lakes	
MLAL	Sawyerville	
MLAV	Muong La station	
MLAZ	Malazgirt-MUS	
MLB	Malabar	
MLBA	Muleba	
MLBS	Spotswood, Melbourne	
MLBT	Monticelli Brusati	
MLC	Manzanita Lake	
MLCM	Laurel Creek Canyon	
MLD	Malden	
MLDM	Malden	
MLDN	Muldoon	
MLE	Mileto	
MLF	Milford	
MLFH	Mildenfurth	
MLG	Mont-d'or	
MLGA	Mulgeum	
MLGT	Long Ground	
MLH	Mauna Loa	
MLHM	Little Hot Creek	
MLI	Malad Range	
MLIM	Lincoln Peak	
MLIR	Monte Lirio	
MLIR3	Monte Lirio, Chiriqui	
MLK	Milford Reservoir	
MLK*	Malo-Kuril'sk	
MLK4	Malkovo	
MLKM	Mammoth Lakes	
MLKS	Milkovo	
MLL	Mill Creek	
MLLO	Morrillo	
MLM	Mesa Lucero	
MLN	Mulungwishi	
MLNI	Malnisio	
ML-NM	Mogollon	
MLNR	Milner Canyon	
MLNT	Millington	
MLOA	Mauna Loa Observatory	
MLON	Marlo Lake	
MLOW	Mlowe	
MLP	Malaspina Glacier	MLA
MLPR	Magueyes Island, Lajas, Puerto Rico	
MLQ1	Kipawa	
MLQ2	Temiscaminque	
MLR	Muntele Rosu	
MLS	Moulis	
MLSB	Milas	
MLSC	Mira Loma	
MLSI	Meulaboh, Aceh	
MLT	Malta	
MLTT	Malatya	
MLV	Malvaux	
MLVB	It Ong	
MLW	Milwaukee	
MLWM	Molesworth	
MLX	Mauna Loa 2	
MLY	Manley	
MLYF	Mely	
MLYT	Lee's Yard	
MLZ	Mavora Lakes	
MM-	McMinnville	MM-TN
MMA	Mummy Mountain	
MMA0	Mount Meron array	
MMA0B	Mount Meron array	
MMA1	Mount Meron array	
MMA2	Mount Meron array	
MMA3	Mount Meron array	
MMA4	Mount Meron array	
MMAA	Thessaloniki	
MMAI	Mount Meron Array Beam Reference Point	
MMAL	MMAL	
MMAR	Mareno di Piave, Italy	
MMB	Musomishta	
MMB1	Mount Meron array	
MMB2	Mount Meron array	
MMB3	Mount Meron array	
MMB4	Mount Meron array	
MMBI	Montebello Ionico	
MMC	Middle Cape	
MMC1	Mount Meron array	
MMC2	Mount Meron array	
MMC3	Mount Meron array	
MMC4	Mount Meron array	
MMC5	Mount Meron array	
MMC6	Mount Meron array	
MMC7	Mount Meron array	
MMCS	Mount Moriah Church	
MMCZ	Mount Michael	
MMD	Meamuldo	
MME	Monte Cimone	
MME1	Meikle Cairn	
MMG	Magdalena	
MMGO	Monte Magaggiaro	
MMIG	Aquila	
MMIM	Miami Mountain	
MMK	Mattmark	
MML	Mount Malkishua	
MML1	Montelago di Sefro	
MMLB	Mammoth Lakes Knolls	
MMLI	Mount Malkishua	
MMM	Pea Ridge Mine	
MMME	Mongiuffi-Melia	
MMN	Mormanno	
MMN9	Mormanno Campotenese	
MMNB	Middle Mountain	
MMNY	Mt. Morris Dam	
MMO	Medio Mundo	
MMO1	Montemonaco	
MMP	Mount Mary	
MMP1	Mompeo	
MMPH	Masbate	
MMPI	Merauke	
MMPM	Mammoth Pass	
MMPY	Sheldon Lake, Yukon	
MMR	Mount Meron	
MMRI	Maumere	
MMS	Matam	
MMSI	Mamuju	
MMSM	Mammoth Summit	
MMT	Marsa Matruh	
MM-TN	McMinnville	
MMU	Miners Mountain	
MMUR	Monte Murano	
MMWM	Mi Wuk Village	
MMY	Middlesmoor	
MMYU	Melimoyu	
MN-	Mina	MN-NV
MN02	Montereale Pi¨ di Colle	
MN03	Montereale Pi¨ di Colle2	
MN04	Montereale isola ecologica	
MN06	Montereale, ex municipio	
MN08	Montereale ex prefettura	
MN09	Montereale campo di calcio	
MN3	Montappone	
MNA	Mina	
MNAI	Manna	
MNAS	Manas	
MNAT	Makushin Nateekin	
MNB	Mounoet Dainard	
MNB1	Minab	
MNBS	Baschi	
MNBU	Menbuxiang, Xizang Zizhiqu	
MNC	Moncalieri	
MNCI	Minicoy	
MNCY	Minicoy	
MND	Mandalay	
MNDI	Mendi	
MNDO	Woodland Fire Station, Mendocino	
MNDR	Mendeleevo	
MNE	Mineo	
MNFI	Manof	
MNG	Mangahao	
MNGA	Volcan de Colima MNGR	
MNGI	Mangalore	
MNGR	Mingechevir, Azerbaijan	
MNGT	Mangit	
MNH	Munich	
MNHB	New Hogan Dam	
MNHK	Manihiki	
MNHM	New Hogan Reservoir	
MNHN	Monahans	
MNI	Manado	
MNIG	Monterrey	
MNIT	MNIT	
MNJ	Mineoka	
MNK	Minsk	
MNKH	Manakhah	
MNKR	ALMNKUR	
MNL	Mangla	
MNM	Minneapolis	
MNMC	Minye Minye	
MNMCX	Minye Minye	
MNN	Minneapolis	
MNNAM	Montana	
MN-NV	Mina	
MNO	Monte Soro	
MNP	Morong	
MNQ	Manicouagan	
MNR	Mines Road	
MNRC	McLaughlin Mine	
MNRI	Mount Meron	
MNS	Montasola	
MNSD	Harewood	
MNSI	Mandailing Natal	
MNSR	Manas	
MNT	Montreal	
MNT3	Montella	
MNTP	Montappone	
MNTQ	Montreal, Quebec	
MNTT	Montottone	
MNTV	Mantova	
MNTX	Cornudas Mountains	
MNU	Milford North	
MNV	Mina	
MNVA	Monemvasia	
MNVG	Manavgat-Antalya	
MNVS	Mnogovershinnie	
MNW	Monowai	
MNWA	Manchester	
MNY	Monteynard	
MNYD	Munyeodo	
MNYS	Manysh	
MNZ	Manzanillo	
MO-	Mountain Home	MO-ID
MO5M		
MO7M		
MO8M		
MOA	Molln	
MOAB	Moab Khotsong	
MOAC	Moa	
MOB	Menlo Park	
MOBB	Monterey Bay OB	
MOBC	Moresby Island	
MOBC2	Moresby, Haida Gwaii	
MOBN	Mombacho	
MOC	Mount Cameroon	
MOCA	Moca	
MOCB	Mochara	
MOCH	Los Molles	
MOCL	Monte Cuccoli	
MOCN	Mocoron	
MOCO	Biccari - m.te Cornacchia	
MOD	Modoc Plateau	
MODE	Modena	
MODR	Mondragone	
MODS	Modra-Piesok	
MODW	Modelwitz	
MOE	Montemor	
MOF	Molkenrain	
MOG	Mogadiscio	
MOGR	Mogosoaia	
MOGT	Rives	
MOGU	Montague, CA	
MOH	Mohaka	
MOHO	AfricaArray SE Tanzania Basin Experiment - YH	
MOHS	Muhayil	
MOI	Mount Montar	
MO-ID	Mountain Home	
MOIG	Morelia	
MOIN	Puerto Moin	
MOK	Mokapu	
MOKC	Mount Cameroon	
MOKI	Monasteraki	
MOKO	MOKOCHONG	
MOKY	Morganfield	
MOL	Molde	
MOLA	ALG	
MOLE	Moliterno	
MOLL	Mollejon	
MOLS	Halavar	
MOM	Momote	
MOMA	Monte Martano	
MOMI	Momias	
MOMJ	Momotombo	MOMN
MOMN	Momotombo	
MOMP	Mompiche - El Palmar	
MOMR	Moma	
MOMT	Monida	
MON	Monaco	
MONA	Monteria	
MONB	Balzapamba Montalvo, CascadaMilagrosa	
MONC	Moncucco Torinese	
MOND	CHI Itaipu Binacional	
MONE	Monesi	
MONG	Mongu	
MONJ	Montclair	
MONL	Mont	
MONM	Monmouth	
MONO	Monmouth DOGAMI SMO	
MONP	Monument Peak, Mt. Laguna	
MONP2	Monument Peak TA Vault, Mt. Laguna	
MONQ	Montcuq	
MONR	Mono Valley	
MONT	Ecomontan@16a	
MONV	Montecano	
MOO	Moorlands	
MOON	Moon Mountain	
MOOW	Moose Ponds	
MOP	Monarch Peak	
MOPA	Mopani	
MOPM	Molcaxac	
MOQ	Mont Orford	
MOR	Mori	
MOR1	Moi Rana	
MOR2	Moi Rana	
MOR21	MORCONE	
MOR3	Moi Rana	
MOR4	Moi Rana	
MOR5	Moi Rana	
MOR6	Moi Rana	
MOR7	Moi Rana	
MOR8	Moi Rana	
MORA	Malargue	
MORAS	Morassina Schaubergwerk	
MORC	Moravsky Beroun	
MORE	Moreh	
MORF	Marmelete	
MORG	Mount Morgan	
MORH	Mrgy, Hungary	
MORI	Morici	
MORO	Morrocoy	
MORR	Playas El Morro	
MORS	Morshin	
MORSI	Morsiglia	
MORU	Morshyn	

Code	Station Name	Other
MORW	Morawa	
MOS	Moscow	
MOS1	Moschato	
MOSH	Moshi	
MOSI	Grossmontoni	
MOSL	Moslavina	
MOSM	Osimo	
MOSO	Mohican School	
MOT	McDonald Observatory	
MOT1	McDonald Obs.	
MOT2	McDonald Obs.	MT2
MOT3	McDonald Obs.	
MOT4	McDonald Obs.	
MOTA	Moosalm	
MOTC	Monteria, Cordoba	
MOTN	Model	
MOTP	Motapaya	
MOTZ	Rio Naranjo	
MOUT	Mount Ogden	
MOV	Morovis	
MOV1	Cotopaxi Vol south	
MOVZ	Moawhango	
MOW	Moikau	
MOX	Moxa	
MOY	Mondy	
MOYG	Moyuta, Jutiapa	
MOYM	O'Byrne Ferry	
MOYN	Moyogalpa	
MOZ	Mahoenui	
MOZS	Mozjanca	
MP-	Mountain Pine	MP-AR
MPA	Moose Pass	
MPAG	Monte Paganuccio	
MPAL	Palemas	
MPAR	Parnis Oros	
MP-AR	Mountain Pine	
MPAZ	Palizzi	
MPC	METEO PORTO CESAREO	
MPCD	Monte di Procida	
MPDM	Moonee Ponds	
MPEP	Malo Peshtene	
MPG	Monte Pellegrino	
MPGF	Montagnes des Peres	
MPH	Memphis	
MPHEP	Siloam, Limpopo	
MPI	Mount Pinos, Frazier Park	
MPIK	Array-Uganda/Tanzania zania - ZP	
MPK	Martis Peak	
MPL	Maple valley SMO-IDS24	
MPLH	Magyarpolny	
MPM	Monte-Pele	
MPMC	Manual Prospect Mine,Trona	
MPNC	Port Mandanici	
MPOM	Morne Pois Martinique	
MPOR	Mary's Peak	
MPP	Mount Pasian	
MPPO	Murphy's Point	
MPPT	Montemurlo	
MPR	Mayaguez	
MPRD	Prada, Italy	
MPRI	Monte Prat	
MPRO	Farra di Soligo, Italy	
MPSI	Mapaga	
MPT	Matupit Island	
MPTV	Morphett Vale	
MPU	Maple Canyon	
MPVM	San Francisco Tecoxpa	
MPVT	Montpelier	
MQI	Macquarie Island	
MQLS	MQLS	
MQOL	MQOL	
MQZ	McQueen's Valley	
MR-	Middleburg	MR-PA
MR01	Monticello Reservoir Site 1	
MR02	Monticello Reservoir Site 2	
MR03	Monticello Reservoir Site 3	
MR04	Monticello Reservoir Site 4	
MR05	Monticello Reservoir Site 5	
MR06	Monticello Reservoir Site 6	
MR07	Monticello Reservoir Site 7	
MR08	Monticello Reservoir Site 8	
MR09	Monticello Reservoir Site 9	
MR10	Monticello Reservoir Site 10	
MR6*	Monte Rosa	
MR7B	Estrela do Norte	
MRA	San Martin	
MRAK	Mrakovica	
MRAT	Mt Rat	
MRB	Monserrat	
MRB1	Monte Rocchetta	
MRBQ	Mirabel	
MRC	Montrose	
MRCB	Reggio Calabria	
MRCM	Red Rock Canyon	
MRCO	Marico , Northwest	
MRCP	Maricao	
MRD	Mojave River Dam	
MRDM	Red Cones	
MRE	Mariestad	
MREF	Refrontolo, Italy	
MREMI	Moremi	
MREP	Makushin Rep'tr	
MRF	Miraflores	
MRFM	Railroad Flat South	
MRFT	Murafatepe	
MRG	Morgantown	
MRG03	Mariana Trench, MRG03	
MRG04	Mariana Trench, MRG04	
MRG16	Mariana Trench, MRG16	
MRG22	Mariana Trench, MRG22	
MRG40	Mariana Trench, MRG40	
MRG42	Mariana Trench, MRG42	
MRG46	Mariana Trench, MRG46	
MRG58	Mariana Trench, MRG58	
MRGE	Morge	
MRH	Marewa	
MRHM	Rocky Hill	
MRHQ	Morin Heights	
MRHZ	Matea Rd	
MRI	Mauritius Island	
MRIN	Marion BPA Site DOGAMI SMO	
MRIV	Mauritius Meteorological Services (Vacoas)	
MRJ	Moriya	
MRK	Morioka	
MRKA	Markates	
MRKH	Merkhyat	
MRKJ	Morioka 2	
MRKS	Merke	
MRL	Marmol	
MRLC	Muro Lucano	
MRMA	Marmari	
MRMJ	Muroto Misaki	
MRMT	Marmara Adasi	
MRN	Sint Maarten	
MRN3	Marsico Nuovo (PZ)	
MRNI	Mount Meron	
MRNO	Merano	
MRNQ	Morin Heights	
MRNR	Maryino	
MRNZ	Matariki Terrace Road	
MRO	Meridian	
MROB	Rosenbuehl-Arzberg	
MRON	Mrontuo Lake Bosomtwe	
MRP	Merapi	
MR-PA	Middleburg	
MRPI	Mariponipon	
MRR	Muroran	
MRRJ	Muroran 2	
MRS	Maars	
MRSB	Marmaris-Mugla	
MRSC	Moresco	
MRSI	Marisa	
MRSJ	Marsad	
MRSM	Woodland Mills	
MRSS	Morshin	MORS
MRT	Murotomisaki	
MRT2	Murotomisaki 2	
MRTI	Martiadasi	
MRU	Marituj	
MRVA	Moravia de Chirripo, San Jose	
MRVC	Morongo Valley	
MRVI	Mt Valcellina	RCL
MRVN	Minervino Murge	
MRVT	Maraveh tapeh	
MRW	Makara Radio	
MRWA	Morawa	
MRWI	Hamdab	
MRX	Morelia	
MRY	Mary	
MRYN	Mary River	
MRYT		
MRZ	Mangatainoka River	
MRZ1	Merzbaher-Enilchek	
MS-	Montrose	MS-PA
MS1	Monte Sant'Angelo (FG)	
MSA	Mount San Antonio	
MSAB	Monastry St. Andrei	
MSAG	Monte S. Angelo	
MSAI	Masohi	
MSAL	Mont Sano	
MSAR	Manila South	
MSB	Manso	
MSB1	Montesarchio	
MSBB	Schoenbrunner Berg-Wunsiedel	
MSBI	Mazada	
MSC	Monte Massico	
MSCL	Scilla	
MSCO	Mesa State College	
MSCZ	Moutere Station	
MSDA	Masada	
MSE	Moose Creek	
MSEY	Mahe Island	
MSF	Maaselka	
MSFE	Esma-Masafi	
MSFR	San Fratello	
MSG	Moessingen	
MSGF	Morne Soldat	
MSGN	Moessingen, Sulzgasse	
MSGR	Macavene	
MSH	Mashhad	
MSH11	Mount St. Helen	
MSH21	Mount St. Helen	
MSH31	Mount St. Helen	
MSHA	Masjed Soleyman	
MSHD	Mashhad	
MSHI	Mashabei Sadeh, MSH	
MSHR	Mys Shultsa	
MSI	Messina ING	
MSIR	Sirolo	
MSJ	Mission San Jose	
MSK	Misaki	
MSKJ	Misakubo	
MSKL	Muskil	
MSKU	Masuku	
MSL	Mosul	
MSL1	Messolongi	
MSLM	Sherwin Lakes	
MSLP	Maasin	
MSM	Mount Sar Shalom	
MSMT	Mission Creek	
MSN	Misono	
MSNA	Messina	
MSNA0	Miryangsannae	
MSNJ	Montclair St. U.	
MSNO	Moosonee Ontario	
MSNY	Massena	
MSO	Missoula	
MSOM	Makushin Julie Andrews	
MSON	Mazon	
MSP	Mount Santo Tomas	
MS-PA	Montrose	
MSPT	Saint Patrick	
MSR	Malnas	
MSRU	Castanea	
MSS	Messtetten	
MSSA	Maissana	
MSSB	Serra Sant'Abbondio	
MSSG	San Giuliano del Sannio	
MSSI	Masamba	
MST	Mostar	
MSTB	Masset	
MSTD	Santandra', Italy	
MSTE	Monte Stella (Cilento), (SA)	
MSTM	Stent	
MSTR	Mastorah	
MSTX	Muleshoe	
MSU	Marysvale	
MSUEL	Midwestern State University	
MSUT	Lienchiang	
MSV	Monasavu	
MSVF	Nonsavu	
MSW	Makushin Switchbacks	
MSWZ	Moikau Station	
MSZ	Milford Sound	
MT01	Popeta	
MT02	Curacav	
MT03	Universidad Adolfo Ibaez	
MT04	Ro Olivares	
MT05	Renca	
MT07	Cerro El Roble	
MT08	Bocatoma Ro Colorado	
MT09	Talagante	
MT1	Boracho Peak	
MT10	Hacienda Santa Martina	
MT12	Pirque	
MT13	San Alfonso	
MT14	Cerro Cal¡n	
MT15	Las Vizcachas	
MT16	CCHEN	
MT2	Eagle Mountain	
MT3	Miller Ranch	
MT4	Brite Ranch	
MTA	Mtatsminda	
MTAN		
MTAZ	Motutapu	
MTB	Montebello Ridge	
MTBI	Elifaz, MTB	
MTBL	Makushin Table Top	
MTBS	Maitube	
MTC	Morgan Territory	
MTCE	Montecelio	
MTCL	Monte Cavallo	
MTCR	Monte La Croce	
MTD	Mount Darwin	
MTDJ	Mount Denham	
MTE	Manteigas	
MTEO	Meteo	
MTEVE	Monteverde	
MTFT	Montefortino	
MTG	Montague Island	
MTGE	Mitogawa	
MTGR	Montagna Grande	
MTH	Montachique	
MTHA	Methoni	
MTHF	Mouthoumet	
MTHT	Yorkville	
MTHZ	Maungataniwha	
MTI	Mount Irish	
MTI01	Mont Terri (ME Nische)	
MTI02	Mont Terri, (HE Schacht)	
MTI03	Mont Terri (freefield, SED-Schacht NW400, Brunefarine) JU	
MTIA1	Mont Terri MTIA1, JU	
MTIA2	Mont Terri MTIA2, JU	
MTIA3	Mont Terri MTIA3, JU	
MTIA4	Mont Terri MTIA4, JU	
MTIG	Mestia	
MTJ	Mount Tsukuba	TSK
MTJR	Montjuic	
MTK	Mitaka	
MTKI	Muara Teweh, Kalimantan	
MTKN	Mount Kenneth	
MTKZ	Martakert	
MTL	Mount Taylor	
MTL1	Matelica	
MTLAZ	Mount Logan	
MTLB	Matlabas, Limpopo	
MTLF	Montolieu	
MTLM	Mount Tassie Tower	
MTLO	Montello	
MTM	Matsumoto	
MTMJ	Matsumoto	
MTMR	Montemarano	
MTMW	Mount Mitchell	
MTN	Manton Dam	
MTNG	Tinghir	
MTNI	Mataram	
MTNS	Mutnovskaya	
MTNZ	Martuni	
MTO	Montecristo	
MTO2	Montecristo 2	
MTO3	Montecristo	
MTOM	Cavaso del Tomba, Italy	
MTOR	TORKOZ	
MTORT		
MTOS	Mt Oso, Westley, California	
MTP	Monte Pirata	
MTP1	Motopi	
MTPB	Monte Pirata	
MTPC	Mountain Pass	
MTPM	Central Michigan University	
MTPR	Monte di Procida	
MTPU	Mount Pierson	
MTQ	Monturaqui	
MTR	Monterey	
MTR02	Mariana Trench, OBS02	
MTR06	Mariana Trench, OBS06	
MTR07	Mariana Trench, OBS07	
MTR08	Mariana Trench, OBS08	
MTR09	Mariana Trench, OBS09	
MTR10	Mariana Trench, OBS10	
MTR11	Mariana Trench, OBS11	
MTR12	Mariana Trench, OBS12	
MTR14	Mariana Trench, OBS14	
MTR15	Mariana Trench, OBS15	
MTR17	Mariana Trench, OBS17	
MTR18	Mariana Trench, OBS18	
MTR19	Mariana Trench, OBS19	
MTR2	Bucuresti	
MTR20	Mariana Trench, OBS20	
MTR21	Mariana Trench, OBS21	
MTR23	Mariana Trench, OBS23	
MTR25	Mariana Trench, OBS25	
MTR26	Mariana Trench, OBS26	
MTR27	Mariana Trench, OBS27	
MTR28	Mariana Trench, OBS28	
MTR29	Mariana Trench, OBS29	
MTR31	Mariana Trench, OBS31	
MTR32	Mariana Trench, OBS32	
MTR33	Mariana Trench, OBS33	
MTR34	Mariana Trench, OBS34	
MTR36	Mariana Trench, OBS36	
MTR37	Mariana Trench, OBS37	
MTR38	Mariana Trench, OBS38	
MTR43	Mariana Trench, OBS43	
MTR44	Mariana Trench, OBS44	
MTR45	Mariana Trench, OBS45	
MTR47	Mariana Trench, OBS47	
MTR48	Mariana Trench, OBS48	
MTR49	Mariana Trench, OBS49	
MTR50	Mariana Trench, OBS50	
MTR51	Mariana Trench, OBS51	
MTR52	Mariana Trench, OBS52	
MTR53	Mariana Trench, OBS53	
MTR55	Mariana Trench, OBS55	
MTR57	Mariana Trench, OBS57	
MTRA	Matera	
MTRD	Mount Read	
MTRP	Mission Trails Regional Park	
MTRZ	Monterenzio	
MTS	Matsue	
MTSA	Monte Escuro	
MTSE	Matsula	
MTSH	Mount Sheppard	
MTSN	Montesano sulla Marcellana	
MTST	Matsu	
MTSU	Mount Surprise	
MTT	Monetta	
MTTG	Motta San Giovanni	
MTU	Montague Island	
MTUM	Tungsten Hills	
MTUR	Matau	
MTUT	Morton Thiokol	
MTV	Mount Tassie	
MTVA	Mantova	
MTVE	AfricaArray - AF	
MTVR	Mutnovka	
MTVZ	Mangateitei	
MTW	Mount Morrison	
MTWA	AfricaArray SE Tanzania Basin Experiment - YH	
MTX	Marathon	
MTY	Matsuyama	
MTZ	Montezuma	
MTZV	Met	
MU-	Mt Baker	MU-WA
MUB	Muncho Lake	
MUCO	Mount Union College	
MUCR	Ucria	
MUD	Monsted U'grnd	
MUDI	Mud Lake	
MUDIN	Mudindi	
MUDJ	Muduarah	
MUEN	Kloster Mnchenlohra	
MUFZ	Array-Uganda/Tanzania zania - ZP	
MUGIO	Muggio	
MUGL	Yilanlidag	
MUGO	DHOFAR2 - YR	
MUGZ	Murupara	
MUHB	Muldenstein	
MUI	Mashhad University	
MUIF	Mont Vial	MVIF
MUJ	Mitsuishi	
MUK	Mukerian	
MUKA	Police Camp, Mukachet	
MUKH	Al Mukha	
MUKL	Al Mukalla	
MUKOZ	Meadow Station	
MUKU	Mukachevo	
MUL	Mullan	
MULA	Mugla, Merkez-Ikizce	
MULD	Muldenberg	
MULG	Mulgathing	
MULT	Pachiana Chania	
MUM	Manipur University	
MUMO	Musselwhite Mine	
MUMZ		
MUN	Mundaring	
MUNC	Munchique	
MUNI	Munigi	
MUO	Muotathal	
MUP	Murgab	
MUR	Murgab	
MURA	Muratl, TEKRDA	
MURB	Monte Urbino	
MURBA	Al Muraba'a	
MURC	Murrieta	
MURR	Camp Murray	
MURT	Porto Murtinho	
MUS	Muskinabad	
MUSH	Mushullacta	
MUSK	Mushaki	
MUSM	Mu-Merkez	
MUSN	Musina, Limpopo	
MUSZ	Musanze	
MUT	Mudurnu	
MUTC	Mutkov	
MUTR	MUTRE	
MUVB	Co Noi	
MUVC	Mutkov	
MU-WA	Mount Baker	
MUX	Union Juarez	
MUZ	Mutare	
MUZF	Muzaffarabad	
MV-	Marysville	MV-CL
MV-CL	Marysville	
MVCO	Mesa Verde	
MVDC	Cerro de Montevideo	
MVF	Macchia Valfortore	
MVG	Mesters Vig	
MVH	Mountain View	
MVH1	Achvaich	
MVI	Minamidaito jima	
MVIF	Mont Vial	
MVKY	Maysville	
MVL	Millersville	
MVLT	Maryville	
MVM	Montagne Vauclin	
MVMN	Montorio al Vomano	
MVMO	Maryville College	
MVMT	Montana Mountain View Ranch	
MVNO	Noumea	
MVO	Moncorvo	

Code	*Station Name*	*Other*
MVOU	Mavrovouni	
MVOV	Montserrat Volcano Observatory	
MVT	Monte Vettore	
MVU	Marysvale	
MVW	Mud Volcano	
MW-	Mattawa	MW-ON
MW36	Oldoinyo Lengai SS	
MW41	Ole Sokoine	
MW44	Karatu Welwel PS	
MWA	Mag Wash	
MWAB	Mount Washington	
MWC	Mount Wilson	
MWEN	Array-Uganda/Tanzania zania - ZP	
MWG	Munster	
MWG1	Mawana Gate	
MWH	Moku`a@18weoweo	
MWI	Montserrat	
MWLHS	Almuwaylih	
MWLO	Mercer Wildlife Area Ohio	
MW-ON	Mattawa	
MWPI	Manokwari, Papua	
MWS	Mawashi	
MWSR	Sibiti River	
MWZ	Matawai	
MX-	Manchester	MX-TN
MXC	Moxie City	
MXMB	Maximikha	
MX-TN	Manchester	
MXZ	Matakaoa Point	
MY-	McCrory	MY-AR
MYA	Malataya	
MY-AR	McCrory	
MYAS	Myakit	
MYB	Mayabunder	
MYD	Miyazu	
MYG	Matka	
MYI	Mount Yahel	
MYIG	Me@15rida	
MYK	Miyako zima	
MYKA	Terra Mystica	
MYKOM	Kota Tinggi	
MYKS	Mirrayikh	
MYLAV	Mylavaram	
MYLDM	Lahad Datu	
MYLM	Yosemite Lake	
MYLR	Mylor	
MYNC	Murphy	
MYO	Myokensan	
MYP	Myponga	
MYR	Moyori	
MYRA	Myra Falls	
MYRZ	Mayor Island	
MYT	Moyuta	
MYT1	Mytilini	
MYV	Myrviken	
MYZ	Miyazaki	
MYZ2	Miyazaki 2	
MZ-	Mount Ida	MZ-AR
MZ01	Saletta	
MZ02	Casale	
MZ03	Collalto	
MZ04	Cossito	
MZ05	San Tomasso	
MZ06	San Lorenzo Flaviano	
MZ07	Sant'Angelo	
MZ08	Amatrice RAN	
MZ09	Sommati	
MZ095	Colle Spada	
MZ096	Colle Posta	
MZ097	Cassino	
MZ098	Grisciano 1	
MZ099	Terracino	
MZ10	Amatrice San Cipriano	
MZ100	Fonte del Campo	
MZ101	Illica	
MZ102	Accumoli (Madonna delle Coste)	
MZ103	Accumoli (campo sportivo)	
MZ104	Tino	
MZ105	San Giovanni	
MZ106	Grisciano 2	
MZ11	north of Sant'Angelo	
MZ12	Amatrice (garden)	
MZ13	Cornillo Vecchio	
MZ14	Capricchia	
MZ15	Torrita	
MZ16	Torrita	
MZ17	Scai (Agriturismo Narcisi)	
MZ18	Scai alta	
MZ19	Pasciano cemetery	
MZ20	Collemoresco	
MZ21	Poggio Vitellino	
MZ22	Petrana	
MZ23	Faizzone	
MZ24	Rocchetta	
MZ25	Retrosi-1	
MZ26	Retrosi-2	
MZ27	San Lorenzo a Pinaco	
MZ28	Amatrice (agriturismo)	
MZ29	Amatrice (caseificio storico)	
MZ30	Amatrice (Alberghiero)	
MZ31	Amatrice (fosso)	
MZ50	Pozzo Varoni	
MZ51	Cornillo Vecchio	
MZ52	Cossito	
MZ60	Cascello	
MZ61	Collepagliuca	
MZ62	Voceto	
MZ63	Collecreta	
MZ64	Capricchia	
MZA	Mariazell	
MZ-AR	Mount Ida	
MZBI	Masada	
MZDA	Masada	
MZE	Maze	
MZEK	Zeckenberg-Ebnath	
MZF	Mazirat	
MZH	Maizuru	
MZH2	Maizuru 2	
MZI	Mizumiiro	
MZLS	Mizel	
MZM	Mzuzu	
MZM2	Mzuzu	
MZM3	AfricaArray - AF, MZM	
MZO	Mazie Landing	
MZP	Montezuma Peak	
MZPU	Pul - Mazandaran	
MZR	Muzera	
MZRK	Al-Mazaregh	
MZT	Mikazuki	
MZUN	Kiwira	
MZVM		
MZWR	Madinat Zayed	
MZX	Mazatlan	
MZZ	Mansa	
N001	Pisciano	
N001M	Ag. Marina, N001	
N002	Montecucco	
N002M	Geroplatanos, N002	
N003M	Paleokklisi, N003	
N004	Ronchi	
N004M	Polydroso, N004	
N005M	Polydoro, N005	
N006M	Kalochori, N006	
N007M	Klimatia, N007	
N008M	Ano Lampsista, N008	
N009M	Dipotamo, N009	
N010M	Makrino, N010	
N011M	Vovousa, N011	
N012M	Mikrolivado, N012	
N013M	Sitaras, N013	
N014M	Sidenro, N014	
N015M	Kaloneri, N015	
N016M	Chromio, N016	
N017M	Dimitra, N017	
N018M	Livadero, N018	
N019M	Skoteina, N019	
N020M	Kapnoxori, N020	
N021M	Sideras, N021	
N022M	Seli, N022	
N023M	Aliakmonas, N023	
N024M	Kontariotissa N024	
N025M	Kontariotissa N025	
N026M	Kontariotissa N026	
N027M	Ano Kerassia, N027	
N028M	Ano Kerassia, N028	
N029M	Achladochori, N029	
N02C	Big Bar	
N02D	Trinity Center, CA	
N030M	Samari, N030	
N031M	Polipetro, N031	
N033M	Pentalofos, N033	
N034M	Kedrikon, N034	
N036M	Partheni, N036	
N038M	Triada, N038	
N039M	Serres, N039	
N040M	Therma, N040	
N06A	Buffalo Meadows, Empire	
N07A	Gerlach	
N07B	Gerlach	
N08A	GE Springer Mine, Mill City	
N09A	Rock Creek Ranch, Golconda	
N10	NORSAR Subarray 10C Beam Reference Point	
N10A	Dunphy	
N11	NORSAR Subarray 11C Beam Reference Point	
N111M	Milia, N111	
N11A	Elko Archery Club, Elko	
N12	NORSAR Subarray 12C Beam Reference Point	
N12A	Clover Valley, Wells	
N13	NORSAR Subarray 13C Beam Reference Point	
N136M	Milia, N136	
N13A	Wendover, West Wendover	
N14	NORSAR Subarray 14C Beam Reference Point	
N14A	Grayback Hills BLM, Clive	
N14K	Kuskokwak Creek	
N15A	Stansbury Island BLM, Grantsville	
N15K	Kwethluk River	
N16A	Rees Ranch, Coalville	
N16K	Nishlik Lake	
N17A	Moffit Pass	
N17K	Nushagak Hills	
N18A	Larsen Ranch, Manila	
N18K	Kilae Creek	
N19A	John Jarvie Ranch (BLM), Flaming Gorge	
N19K	Bonanza Creek NPS repeater	
N1R1	Vettahaugen	
N1R2	Lillevik	
N1R3	Nordsjona	
N1R4	Lillevand	
N1R5	Hammernes	
N1R6	Dalselv	
N20A	Spence Gulch, Sunbeam	
N20K	Mount Spurr	
N211M	Milia, N211	
N21A	Black Mountain, Craig	
N22A	Wattenberg Ranch, Walden	
N23	N23	
N23A	Red Feather Lakes	
N24A	Carr	
N25A	Grover	
N25K	Chitina, Valdez-Cordova	
N26A	Koester Ranch, Padroni	
N27A	Anderson Farm, Haxtun	
N28A	Pribbeno Ranch, Imperial	
N29A	Votaw Ranch, Wellfleet	
N2B1	Tytingvag	
N2B2	Myklebust	
N2B3	Lovikneset	
N2B4	Drage	
N2B5	Haus	
N2B6	Leirgulen	
N2B7	Tytingvag	
N2DI	Digermulen	
N2HA	Harstad	
N2HS	Hamsund	
N2IH	Innhavet	
N2LO	L¸dingen	
N2NF	Nordfold	
N2-NV	Test Site	
N2RO	R¸st	
N2SO	Sortland	
N2ST	Straumen	
N2SV	S¸rv¥gen	
N2TV	T¥rnvik	
N2VA	Vr¸y	
N2VI	Vinje	
N30A	Hueftle Ranch, Cozad	
N30M	Aishikik Lake	
N31A	Bailey Ranch, Gibbon	
N31M	Braeburn, Yukon	
N32A	Stulken Farm, Doniphan	
N32M	Quiet Lake	
N33A	J Bar K, Exeter	
N33B	J Bar K, Exeter	
N34A	Lincoln	
N35A	Tabor	
N36A	Muff Farm, Clarinda	
N37A	Lee Faris, Mount Ayr	
N38A	Joes South Fork Station, Corydon	
N39A	Derby Farms, Drakesville	
N40A	Mertquake, Salem	
N41A	Harden Midland Farm, Stronghurst	
N42A	Yates City	
N43A	Stutzman Family Farm, Minonk	
N44A	Piper City	
N45A	Kentland	
N46A	Monticello	
N47A	Urbana	
N48A	Decatur	
N49A	Columbus Grove	
N50A	Nevada	
N51A	Ashland	
N52A	McGinn's Farm, Dalton	
N53A	Lisbon	
N54A	Moraine State Park, Portersville	
N55A	Marion Center	
N56A	West Decatur	
N57A	Milroy	
N58A	Sunbury	
N59A	State Game Land 141, Hazleton	
N60A	Cedar Hill Farm, Mount Bethel	
N61A	South Mountain, Millburn	
N62A	Caumsett State Park, Huntington	
N63A	Mattituck	
NA0	NORSAR 1A	NAO
NA11	North Anna	
NA12	North Anna	
NA2	North Anna	
NA5	North Anna	
NAA	Naalehu	
NAB	Nanaimo	
NAB1	NAB1	
NAB2	NAB2	
NAB3	NAB3	
NAB4	NAB4	
NAB5	NAB5	
NAB8	NAB8	
NABD	Nabeyama	
NABI	Nabire	
NAC	Naches	
NACA	Naecho	
NACB	Ninganchiao	
NACGM	Naroch	
NADB	Abo Dabab	
NADM	Allendale	
NADN	Granada	
NADR	Nagua	
NADZ	Nadzab	
NAE	Nake (Tuamotu)	
NAF	Naboro	
NAFE	NAFE	
NAG	Nagoya	
NAG1	Nagua	
NAGA	Nagai Island	
NAGO	Nago	
NAGR	Nagutskaya	
NAH	Naha	
NAH1	Naha	
NAHD	NAHD	
NAHO	Nahshon	
NAI	Nairobi	
NAIG	Nisos Aigina	
NAIL	Nailongxiang, Xizang Zizhiqu	
NAIN	Natchez Trace	
NAIT	NWS Agricenter	
NAIU	Northern Antelope Island	
NAJS	Najran	
NAK	Naxcivan	
NAKO	Nairobi	NAI
NAL	Nallihan	
NALA	Naliya	
NALI	Nalia	
NALPS	Val Nalps	
NALS	Nice, Jardin Alsace-Lorraine	
NALY	Nalychevo	
NAM	Namangan	
NAMA	Namatanai	
NAMB	Naemyeon	
NAMC	Namche Bazar	
NAMS	An Nimas	
NAN	Nanjing	
NAN01	Guarapari, ES	
NANB	Nanao	
NANC3	Nancito, Chiriqui	
NANL	Nain	
NANO	Nakina Ontario	
NANS	Nanahuazin	
NANT	Nan	
NANU	Nanutarra	
NAO	NORSAR Subarray 1A Beam Reference Point	
NAO00	NORSAR Array Site 01A00	NAO
NAO01	NORSAR Array Site 01A01	
NAO02	NORSAR Array Site 01A02	
NAO03	NORSAR Array Site 01A03	
NAO04	NORSAR Array Site 01A04	
NAO05	NORSAR Array Site 01A05	
NAP	Napay	
NAPC	Atlas Peak	
NAPF	Napfberg	
NAPI	Complesso Universitario Monte Sant'Angelo	
NAPP	Napperby	
NAQJ	Ras En-Naqb	
NAQL	Naqoura	
NAR	Nara	
NAR2		
NARA	Nara (Leontica)	
NARAN	Naranjo de Alajuela	
NARAR	Arar	
NARI	Adyaman-Kahta-Narince	
NARJ	Nu aruja	
NARJA	Naranjal	
NARL	NARELA	
NARM	Nariel	
NARN	Narni	
NARO	Abbazia di Naro	
NART	Narlikuyu	
NARZ	Nor Artik	
NAS	Nasaqa	
NAS1	Nasa	
NAS2	Nasa	
NASA	Naoussa	
NASE	Paila	
NASN	Na'in	
NAST	IGS Nastaetten	
NASU	Vaermlandsnaes	
NAT	Natal	
NAT1	Nathian	
NATA	Nata	
NATB	Natividade	
NATG	Natashquan Quebec	
NATI	Neve Ativ	
NATM	Nattai	
NATN	Natchez Trace	
NATX	Nacogdoches	
NAU	Nanutarra	
NAV	Narrows	
NAVD	Navidad	
NAWB	Namwon	
NAX	Nakhchivan	
NAX1	Naxos Island	
NAY	Al-Naaiem	
NAYO	Nakonayok	
NAYS	Naiba	
NAZ	Nazwa, Dubai	
NAZA	Ethiopian Broadband Seismic Experiment	
NAZL	Nazilli-Aydin	
NB-	North Branch	NB-MN
NB03	OBS NB03	
NB04	OBS NB04	
NB05	OBS NB05	
NB06	OBS NB06	
NB07	OBS NB07	
NB08	OBS NB08	
NB09	OBS NB09	
NB10	OBS NB10	
NB11	OBS NB11	
NB12	OBS NB12	
NB13	OBS NB13	
NB14	OBS NB14	
NB2	NORSAR Subarray 2B Beam Reference Point	
NB200	NORSAR Array Site 02B00	NB2
NB201	NORSAR Array Site 02B01	
NB202	NORSAR Array Site 02B02	
NB203	NORSAR Array Site 02B03	
NB204	NORSAR Array Site 02B04	
NB205	NORSAR Array Site 02B05	
NB2S	Katnajur	
NB3	NORSAR Subarray 3B Beam Reference Point	
NB4	NORSAR Subarray 4B Beam Reference Point	
NB5	NORSAR Subarray 5B Beam Reference Point	
NB6	NORSAR Subarray 6B Beam Reference Point	
NB7	NORSAR Subarray 7B Beam Reference Point	
NBAN	Anadia - AL	
NBB03	Karbol	
NBB05	Inndyr	
NBB08	Skaug oppvekstsenter	
NBB13	Alf Garage	
NBB14	Nordeng Farm	
NBB15	Halsa Church	
NBB17	Glomfjord B¥rehus	
NBB28	Valnes	
NBB29	Rokland skole	
NBB30	Finnes	
NBB40	Tonnes	
NBBC	Barra do Corda	
NBBI	Negara	
NBBL	Bica de Lurdes, Rio Formoso	
NBC1	NorthernBC 1	
NBC2	NorthernBC 2	
NBC3	NorthernBC 3	
NBC4	NorthernBC 4	
NBC5	NorthernBC 5	
NBC6	NorthernBC 6	
NBCA	Caruaru-PE	
NBCL	Cascavel-CE	
NBCP	Cabaceiras do Paraguassu - BA	
NBCP0	Cabaceiras do Paraguassu - BA	
NBD	Nebitdag	
NBEZ	Newall Road North Island, New Zealand	
NBG	Las Nubes	
NBH	North Bay	
NBI	Nairobi	
NBIT	Itapeh - BA	
NBK	Nectar Brook	
NBLA	Lagarto - SE	
NBLI	Livramento-PB	
NBLV	Livramento - PB, Brazil	
NBMA	Muriti-CE	
NB-MN	North Branch	
NBMO	Morrinhos-CE	
NBNS	Bani Suef	

Code	Station Name	Other
NBO	NORSAR Subarray 1B Beam Reference Point	
NBO00	NORSAR Array Site 01B00	NBO
NBO01	NORSAR Array Site 01B01	
NBO02	NORSAR Array Site 01B02	
NBO03	NORSAR Array Site 01B03	
NBO04	NORSAR Array Site 01B04	
NBO05	NORSAR Array Site 01B05	
NBOR	Nice, Mont Boron	
NBP	Mount Natib	
NBPA	Parau_RN	
NBPB	Pedra_Branca-CE	
NBPM	Berryessa Peak	
NBPN	Ponto Novo - BA	
NBPS	Pedro II - PI	
NBPV	Pedro Velho	
NBRB	Beebe Ranch Broadband	
NBRF	Rio Formoso - PE	
NBRM	Beebe Ranch	BBR
NBRS	Nobres	
NBS	Nizhniy Bestyah	
NBTA	Tacaratu-PE	
NBW	Neah Bay	
NC01	NC01	
NC02	NC02	
NC03	NC03	
NC05	NC05	
NC06	NC06	
NC08	NC08	
NC09	NC09	
NC10	NC10	
NC11	NC11	
NC12	NC12	
NC13	NC13	
NC15	NC15	
NC16	NC16	
NC18	NC18	
NC19	NC19	
NC2	NORSAR Subarray 2C Beam Reference Point	
NC20	NC20	
NC200	NORSAR Array Site 02C00	NC2
NC201	NORSAR Array Site 02C01	
NC202	NORSAR Array Site 02C02	
NC203	NORSAR Array Site 02C03	
NC204	NORSAR Array Site 02C04	
NC205	NORSAR Array Site 02C05	
NC27	ODP1027	
NC3	NORSAR Subarray 3C Beam Reference Point	
NC300	NORSAR Array Site 03C00	NC3
NC301	NORSAR Array Site 03C01	
NC302	NORSAR Array Site 03C02	
NC303	NORSAR Array Site 03C03	
NC304	NORSAR Array Site 03C04	
NC305	NORSAR Array Site 03C05	
NC4	NORSAR Subarray 4C Beam Reference Point	
NC400	NORSAR Array Site 04C00	NC4
NC401	NORSAR Array Site 04C01	
NC402	NORSAR Array Site 04C02	
NC403	NORSAR Array Site 04C03	
NC404	NORSAR Array Site 04C04	
NC405	NORSAR Array Site 04C05	
NC5	NORSAR Subarray 5C Beam Reference Point	
NC6	NORSAR Subarray 6C Beam Reference Point	
NC600	NORSAR Array Site 06C00	NC6
NC601	NORSAR Array Site 06C01	
NC602	NORSAR Array Site 06C02	NRE0
NC603	NORSAR Array Site 06C03	
NC604	NORSAR Array site 06C04	
NC605	NORSAR Array Site 06C05	
NC7	NORSAR Subarray 7C Beam Reference Point	
NC8	NORSAR Subarray 8C Beam Reference Point	
NC89	ODP889	
NC9	NORSAR Subarray 9C Beam Reference Point	
NCA	Nelchina	
NCAD	Nice - Cite Administrative des Alpes-Maritimes	
NCAT	North Carolina A&T Campus	
NCAU	Nice, cimetire Caucade	
NCB	Newcomb	
NCBC	Barkley Canyon	
NCDM	Cavedale Road	CRD
NCE	Nasa Cotopaxi	
NCEN	NEPTUNE Canada Endeavour node	
NCER	Nice Cerbom	
NCFM	Canfield Road	
NCG	North Capps Glacier	
NCHK	Nachiki	
NCHR	NEPTUNE Canada High Rise	
NCHT	Obion	
NCIA	Norcia	
NCJ	New Castle	
NCK	Nalchik	
NCM	Ninemile Creek	
NCNA	Naechon	
NCO	Norsar Array Site 01C00	
NCOR	Newberry Crater	
NCR01	Yampa, N01	
NCR02	Williams Fork Res., N02	
NCR03	Meeker Airport, N03	
NCR04	McCoy, N04	
NCR05	Green Mt Res., N05	
NCR06	Dotsero, N06	
NCR07	Rio Blanco, N07	
NCR08	Frisco, N08	
NCR09	Cottonwood Pass, N09	
NCR10	Rifle, N10	
NCR11	Carbondale, N11	
NCR12	De Beque, N12	
NCR13	Leadville, N13	
NCR14	Collbran, N14	
NCR15	Elkhorn Rd, Fairplay, N15	
NCR16	Grand Junction, N16	
NCR17	Everett, N17	
NCR18	Paonia Res., N18	
NCR19	Spinney Mt Res., N19	
NCR20	Riverside, N20	
NCR21	Gateway, N21	
NCR22	Hotchkiss, N22	
NCR23	Guffey, N23	
NCR24	Centerville, N24	
NCR25	Olathe, N25	
NCR26	Parlin, N26	
NCR27	Blu Mesa, N27	
NCR28	Gunnison, N28	
NCR29	Sargents, N29	
NCRB	Newcastle Ridge	
NCS	Nueva Concepcion	
NCSB	Newcastle Ridge	
NCT	North Crescent	
NCU	National Central University	
NCUH	Zhongli	
NCV	Pung Luong	
ND-	Needles	ND-CL
NDA	Nedlands	
NDB	Naden	
NDBU	Wasserreservoir Schachen, Buelach, ZH	
ND-CL	Needles	
NDE	Delaikoro	
NDEBA	Dheba	
NDF	Nadi	
NDHM	Dunnigan Hills	
NDI	New Delhi	
NDIM	Novi di Modena	
NDMT	Ninemile Divide	
NDNU	Novodnistrovsk	
NDNU1	Nyshivtsy	
NDNU2	Shebutintsy	
NDNU3	Rozkopintsy	
NDR	Nardaran	
NDS	Dongshan	
NDT	Datong Township	
NDTR1	NAGRA Drilling, Truellikon, ZH	
NE01	Goteborg	
NE02	Monsted	
NE03	Logumkloster	
NE04	Witteveen	WIT
NE05	Utrecht	
NE06	Dourbes	DOU
NE07	Villiers-Adam	VDM
NE08	Aigurande	
NE09	Les Eyzies	
NE10	Arette	
NE11	Ainzon	
NE11*	La Almunia	
NE12	Valle Caidos	
NE13	Puertollano	
NE14	Granada	
NE15	Valkenburg	
NE16	Clermont-Ferrand	CFF
NE17	Toledo	TOL
NE18	Les Rejaudoux	RJF
NE19		LGR
NE20		ALM
NE201	NE201	
NE202	NE202	
NE203	NE203	
NE204	NE204	
NE205	NE205	
NE206	NE206	
NE207	NE207	
NE208	NE208	
NE209	NE209	
NE21		MTE
NE210	NE210	
NE211	NE211	
NE212	NE212	
NE213	NE213	
NE214	NE214	
NE215	NE215	
NE216	NE216	
NE217	NE217	
NE218	NE218	
NE219	NE219	
NE22		MAL
NE220	NE220	
NE221	NE221	
NE23		FBR
NE24		ALI
NE25		EBR
NE26	Santiago de Compostela	
NE27	Evora	EVO
NE28	Zamora	
NE30	Santa Pau	
NE31	Losser	
NE32	Kootwijk	
NE33		MEM
NE34	Mettingen	
NE35	Billerbeck	
NE36	Bochum	
NE37	Ubbergen	
NE38	Dalfsen	
NE39	Krefeld	
NE40	Winterswijk	
NE41	Zyfflich	
NE42	Fort Lent	
NE51	Saint Petersburg	
NE52	Pskov	
NE53	Naroch'	
NE54	Brest	
NE55	Skvira	
NE56	Odesa	
NE57	Homyel'	
NE58	Poltava	
NE61	Nurmija@14rvi	NUR
NE62	Kangasniemi	
NE63	Kauhava	
NE74	Guerrero Negro B.C.S	
NE77	Loreto B.C.S	
NE79	San Jose del Viejo B.C.S	
NE80	Navojoa	
NEA	Nenana	
NEA2	Nenana	
NEC	Neuchatel	
NED	Newark	
NEDR	Neiba UASD	
NEE	Needles	
NEE2	Needles Airport, Needles	
NEEM	North Greenland Eemian Ice Drilling site	
NEER	Neeritter	
NEEW	Neewiller pres Lauterbourg	
NEF	NEVSHA	
NEG	NEGU Pad	
NEGI	Seborga	
NEGR	Negresti	
NEGRR	Negrea	
NEHR	Nehoiu	
NEI	Neipperg	
NEJ	Negril	
NEKE	Ethiopian Broadband Seismic Experiment	
NEL	Nelson	
NELS	Mount Nelson	
NEM	Nemuro	
NEM2	Nemuro 2	
NEMQ	Nemaska	
NEN	Nelson	
NENM1	Neno	
NEO	Neokhori	
NEOK	Tzaverdella	
NEOT	NEOT	
NEPA	Kaukuwa	
NEST	Nestorio	
NEU	Neuchatel	
NEUB	Neuenburg	
NEUF	Neufchef	
NEUQ	Neuquen (mine)	
NEUR	Neytrino	
NEUV	Arroyo Zacate	
NEV	Hard Times	
NEVI	Neviano degli Arduini	
NEVR	Nevel`sk	
NEVS	Nevesinje	
NEW	Newport	
NEWG	New Galloway	
NEWO	Newport DOGAMI SMO	
NEY	Neytrino	
NEZ	North Egmont	
NFF	Wufeng Township	
NFIM	Farallon Islands	
NFK	Norfolk Island	
NFP	NAFPAKTOS	
NFRM		FTR
NG-	Niagara	NG-WS
NG54	Nasera Bomas	
NG55	Lemala Gate	
NG56	Ngoile bomas	
NGA	Galoa	
NGAL	NGAL	
NGC	Ngoundere	
NGCH	Negor - Chabahar- Iran	
NGD1	Naghade .Az. Gharbi	
NGDN	Woodland Mills, MGDM	
NGEA	Songea	
NGH	National Guard	
NGHE	Neginohata	
NGI	Nagai Island	
NGJ	Na-gawa	
NGJA	Assam	
NGJI	Ngawi	
NGL	North Gasline	
NGLE	Hospital, Negele	
NGLR	Nogliki	
NGLS	Nogliki	
NGMR	NGMR	
NGN	Nagano	
NGNA	Nongstoin	
NGO	Nago	
NGO1	Nago	
NGOA	Tingoa Renbel	
NGON	Ngonga	
NGOR	Nagor	
NGP	Nagpur	
NGR	North Grip Drilling Camp	
NGRA	Nigrita	
NGRH	Nagyer	
NGRK	Negar Kerman	
NGRS	Nagornyi	
NGRZ	Ngongotaha	
NGS	Nagasaki	
NGSJ	Nagasakinomozaki	
NGT	Nagatsuro	
NGVM		GVR
NGWR	NGWR	
NG-WS	Niagara	
NGZ	Ngauruhoe	
NH1	Sanbornton	
NHA	Nha-Trang	
NHAM	Northam, Northwest	
NHB	Bethesda--National Naval Medical Center	
NHBM	Healdsburg	
NHC	New Haven	
NHDH	Xindian District, New Taipei City	
NHDN	Nehbandan	
NHES	Novosibirsk, NHES, Russia	
NHF	Nausori Highlands	
NHIL	New Haven	
NHIM	Nhimo	
NHIN	New Harmony	
NHM	Niihama	
NHMM	Mt Hamilton Road	HMR
NHN	Nahan	
NHR1	Nea Herakleia	
NHRD	Haradh	
NHS	North Hampton	
NHSA	Nikolaevsk School	
NHSC	New Hope	
NHSM	Mount Saint Helena South	
NHW	Xinwu Township	
NHY	Taipei	
NIA	Norfolk Island	
NIAN	Nian	
NIAQ	Niaqornat	
NIB	Nibetsu	
NIC	Nicosia	
NICEF	Mont Chauve - France	
NICH	Los Niches	
NICHA	Nichawak Mountain	
NICK	Nickenich	
NICO	Nicoya	
NIDE	Nigde/Merkez-Gumusler	
NIDO	Juntas	
NIE	Niedzica	
NIE01	Niedergesteln, Fire station, VS	
NIF	Nilsia	
NIFO	Sapa ata, Niuas	
NIG	Nigde	
NIHS	Ingelmoor High School	
NII	Niigata	
NIIJ	Niigata 2	
NIK	Nikolski	
NIKH	Nikolski High Hill	
NIKO	Nikolski	
NIKU	Nikkaluokta	
NIKV	Nikolaev	
NIL	Nilore	
NILT	Santiago Niltepec	
NIMB	Iron Mountain	
NIN	Ninilchik One	
NINA	Atacazo Ninahuilca	
NIND	Nindi	
NING	Damshung	
NINI	Niniconang	
NINL	Nain	
NIS	Nissan Island	
NIS1	Nisyros Isl.	
NIS2	Nisyros Isl.	
NIS3	Nisyros Isl.	
NIS4	Nisyros Isl.	
NISR	Nisiros	
NISS		
NITZ	Be'er Ora	
NIU	Niumate	
NIUE	Niue	
NIUS	Tahileleki, Niue, NIUE	
NIW1	Wetzens (Niawier)	
NIW2	Wetzens (Niawier)	
NIW3	Wetzens (Niawier)	
NIW4	Wetzens (Niawier)	
NIZ	Nizh Angarsk	
NIZA	Niza - Manizales, Caldas	
NIZB	Nizh Angarsk	
NIZO	Nyzhchyi-Ol'chedaiv	
NJ2	Nanjing	
NJD	Zhudong	
NJDA	Nanjido	
NJFI	Najafi	
NJFR	NAJAFGARH	
NJI	Nanjing	NAN
NJJ	Nii jima	
NJJJ	Nii jima 2	
NJN	Zhunan	
NJOM	Njombe	
NJQ	Nojoqui County Park, Las Cruces	
NJRNS	Najran	
NJS	Nagarjunasagar	
NJW	Norris Junction	
NKA	Nikishka	
NKAL	Nkalisi	
NKB	Nel'koba	
NKC	Novy Kostel	
NKE	Nake	
NKI	Nikolski	
NKK	Na'kalak'ari	
NKL	Nikolayevsk	
NKM	Nakhla	
NKME	Niksic	
NKP	New Kensington	
NKR	Nakanohara	
NKS	Nakayama Pass	
NKT	Nankipoo	
NKY	Niksic	
NL-	Nazlini	NL-AZ
NL2	Nazlini	
NL2AZ	Nazlini	
NL9	Nola	
NLAI	Namlea	
NL-AZ	Nazlini	
NLC	Nalytchevo	
NLDA	Narodo	
NLG	Nalgonda	
NLHM	Lake Herman	
NLIB	Nice, Liberation	
NLITH	NLITH	
NLLB	Nanaimo Lost Lake,BC	
NLM	Maryland--Naval Ordinance Lab	
NLNM		LOC
NLO	Nicolai Mountain	
NLU	North Lily Mine	
NLW	Nelson Butte	
NLWA	Neilton Lookout	
NLY	Nelyaty	
NLYR	Nelyaty	
NMA	Nantucket	
NMA1	Nemea	
NMA2	New Magadan Station 2	
NMAN	Kulet Umm Tiheiwat	
NMC	Nine Mile Canyon	
NMCC	Northern Marianas College	
NMCM		NMC
NMCNC	Mill Creek, Sonoma County	
NMD	New Madrid	
NMDO	Nuevo Mundo	
NMEM	New Madrid Sch	
NMEZ	Namu Road	
NMF	Viti Levu	
NMH	New Mexico Highlands	
NMHM	Mount Saint Helena	

Code	Station Name	Other
NMHZ	Naumai	
NML	Miaoli City	
NMLH	Miaoli	
NMM	New Madrid	
NMMO	New Madrid	
NMMU	Nelson Mandela Metropolitan University	
NMN	Nasa Mountain	
NMO	Norman	
NMR	Nemuro--Hokkaido University	
NMS	Namosi	
NMSQ	Nemaska Station	
NMTM	Middletown	
NMUT	North Mineral Mountain	
NMWM	Mark W Springs	MAC
NMXM	Mix Canyon Road	MIX
NNA	Nana	
NNAL	NNAL	
NNBS	New Brighton	
NNJ	Nakano	
NNK	Norton	
NNL	Ninilchik	
NNMO	DHOFAR2 - YR	
NNMR	New North Marawa	
NNR	Narayananagar	
NNS	Nan Shan	
NNSB	Datong	
NNSH	Datong	
NNT	Nongplab	
NNVZ	North Ngauruhoe	
NNZ	Nelson	
NOA	NORSAR Array Beam Reference Point	NB2
NOAC	Athens-Thissio	
NOB	Nobeoka	
NOC	Noumea	
NOCA	Nice OCA	
NOCG	North-of-Casa	
NOCI	Noci	
NOD	Norderasen	
NODN	Nodinka Narrows	
NOH	Ma'ale Noah	
NOJ	Nojiri	
NOKA	Waynoka	
NOL	New Orleans	
NOLM	Olema	
NOM	Nome	
NONG	Nongkai	
NONO	Nono	
NOP	Nopah Range	
NOQ	North Oquirrh Mountains	
NOR	Nord	
NORC	Norcasia	
NORES	NORESS Array Beam Reference Point	
NORI	Noerdlinger Ries-Bissingen	
NORM	Noumea	
NOSH	Now Shahr	
NOTT	Nottersdorf	
NOU	Noumea	
NOUC	Port Laguerre	
NOUE	Nou	
NOV	Novara	
NOV1	NOV1	
NOV2	NOV2	
NOV3	NOV3	
NOV4	La Tour-de-Pellz	
NOVE	Novellara	
NOVI	SAN FRANCISCO DE NOVILLO	
NOVRB	El Novillo Sonora	
NOVS	Nova Varos 1	
NOWN	Norman Wells, NWT	
NOWS	NOAA--Sand Point	
NOZ	North Gisborne	
NOZA	NOZA	
NP-	North Pole	NP-NT
NPA	Nampula	
NPDK	Nanping	
NPGB	Novo Progresso	
NPH	North Pit	
NPI	North Pocatello Valley	
NPL	Naples	
NPLP	NPLP New Delhi	
NPM	North Pahute Mesa	
NPN	North Pahroc Range	
NP-NT	Mould Bay	
NPNY	Mohonk Preserve	
NPO	Eielson Array	
NPOC	North of Pu`u O`o Crater	
NPOR	Nice, Eglise du Port	
NPPZ	NPP	
NPR	Napier	
NPRI	New Reactor	
NPRM	Point Reyes	
NPS	Neapolis	
NPS1	Neapolis Laconias	
NPT	Nicholson Point	
NPW	Naypyitaw	
NPZ	New Plymouth	
NQBME	Bureau des Mines et l'Energie	
NQMA	Gallatin River Ranch	
NQUSE	US Embassy, Port-au-Prince	
NQWLB	Fermate	
NR-	Niobrara River	NR-NB
NRA	North River	
NRA0	NORESS Array Site A0	NORES
NRA1	NORESS Array Site A1	
NRA2	NORESS Array Site A2	
NRA3	NORESS Array Site A3	
NRAU	Nora	
NRB1	NORESS Array Site B1	
NRB2	NORESS Array Site B2	
NRB3	NORESS Array Site B3	
NRB4	NORESS Array Site B4	
NRB5	NORESS Array Site B5	
NRC1	NORESS Array Site C1	
NRC2	NORESS Array Site C2	
NRC3	NORESS Array Site C3	
NRC4	NORESS Array Site C4	
NRC5	NORESS Array Site C5	
NRC6	NORESS Array Site C6	
NRC7	NORESS Array Site C7	
NRCA	Norcia	
NRD	Nordlingen	
NRD1	NORESS Array Site D1	
NRD2	NORESS Array Site D2	
NRD3	NORESS Array Site D3	
NRD4	NORESS Array Site D4	
NRD5	NORESS Array Site D5	
NRD6	NORESS Array Site D6	
NRD7	NORESS Array Site D7	
NRD8	NORESS Array Site D8	
NRD9	NORESS Array Site D9	
NRDL	Niedersach Riedel	
NRDN	NARMADA NAGAR	
NRE0	NORESS Array Site E0	
NRFK	Norfolk	
NRGR	Nerungri	
NRI	Noril'sk	
NRIK	Noril'sk	
NRIL	Noril'sk	
NRIS	Noril'sk	
NRJ	Nirehara	
NRK	Nurek	
NRKZ	NAREK	
NRL	Washington--Naval Research Laboratory	
NRLA	Narela	
NRM	North Rainier Mesa	
NRME	Naramoto	
NRMH	Kita-Gairin	
NRMS	Noranda	
NRN	Naryn	
NR-NB	Niobrara River	
NROC	Nice, Saint-Roch	
NRPL	Narshiapallam	
NRR	North Reno	
NRS	Narsarsuaq	
NRT	Northfield	
NRT01	OBS01, N0701	
NRT02	OBS02, N0702	
NRT03	OBS03, N0703	
NRT04	OBS04	
NRT05	OBS05, N0705	
NRT06	OBS06	
NRT08	OBS08	
NRT09	OBS09, N0709	
NRT10	OBS10	
NRT11	OBS11	
NRT12	OBS12	
NRT13	OBS13, N0713	
NRT14	OBS14	
NRT15	OBS15	
NRT16	OBS16	
NRT17	OBS17, N0717	
NRT18	OBS18	
NRT19	OBS19	
NRT20	OBS20	
NRT21	OBS21	
NRT22	OBS22, N0722	
NRT23	OBS23, N0723	
NRT24	OBS24	
NRT25	OBS25	
NRTH	North beach	
NRTU	Norrtaelje	
NRY	Nirayama	
NRYS	Al Jubail	
NRZ	Ngariki Road	
NS01	NECsaids, NS01	
NS02	NECsaids, NS02	
NS04	NECsaids, NS04	
NS05	NECsaids, NS05	
NS06	NECsaids, NS06	
NS07	NECsaids, NS07	
NS08	NECsaids, NS08	
NS09	NECsaids, NS09	
NS10	NECsaids, NS10	
NS11	NECsaids, NS11	
NS12	NECsaids, NS12	
NSAFS	Ar Rayis	
NSAL	Nisos Salamina	
NSC	North Stonington	
NSC3	Nusco	
NSD	Nasudden	
NSH	Neshkan, Chukotka	
NSH2	Neshkan	
NSHI	Neve Shalom, NSH	
NSHM	Saint Helena Road	
NSI	Nishiizu	
NSIK	Nasik	
NSK	Sanguang	
NSKAK	NSKAK	
NSKD	New Sinn el Kaddab	
NSKO	Neskantaga (Lansdowne House)First Nations Ontario	
NSLM	New Salem	
NSLU	Nyzhne Selyshche	
NSM	Shimen	
NSP	Numbskull Pass, NTS	
NSPM		SNT
NSR	Nassriya	
NSR4	Al Neser	
NSS	Namsos	
NST	Nakhon Sawan	
NSTT	Nanjuang	
NSU	North Stansbury	
NSW	Nakanosawa	
NSY	Sanyi	
NT-		NT-NV
NT13	Thirsty	
NT2		NT2NV
NT2NV	Nevada Test Site	
NTA	Nevada Test Site Array	
NTAIM	NTAIM	
NTBM	Tomales Bay	
NTC	Toucheng	
NTHA	Nthalire	
NTI	Nordman	
NTK	Nunatak	
NTKA	Nootka	
NTLH	Newcastle Hard Rock	
NTLS	Newcastle Soft Rock	
NTMM	Taylor Mountain	
NTNOZ	Mutton Hole Station, Normanton	
NT-NV	Nevada Test Site	
NTORO	Toro	
NTP	Nathian	
NTPM	Mount Tamalpais	
NTS	Ninotsminda	
NTST	Danshui	
NTV	Nha Trang	
NTVD	Natividade - TO	
NTVZ	North Tongariro	
NTY	Taoyuan	
NTYM	Taylor	
NUB	Nuweibaa	
NUBE	Las Nubes	
NUE	Niue	
NUK	Nuku'alofa	
NUKS	Nukus	
NUKU	Veitongo, Tongo	
NUM	Numazu	
NUMJS	Khuff	
NUNN	Nunuq Camp, NU	
NUR	Nurmija@14rvi	
NURE	Ethiopia-Afar Geoscientific Lithospheric Experiment	
NURP	Nurpur	
NUT	Nurota	
NUUG	Nuugaatsiaq	
NUUK	Nuuk	
NUXM	Nuxco	
NV01	Mina Array Site 1	
NV02	Mina Array Site 2	
NV03	Mina Array Site 3	
NV04	Mina Array Site 4	
NV05	Mina Array Site 5	
NV06	Mina Array Site 6	
NV07	Mina Array Site 7	
NV08	Mina Array Site 8	
NV09	Mina Array Site 9	
NV1	North Anna 1	
NV10	Mina Array Site 10	
NV11	Mina Array Sites 11 and 31	
NV2	North Anna 2	
NV3	North Anna 3	
NV32	Mina Array Site 32	
NV33	Mina Array Site 33	
NV4	North Anna 4	
NV5	North Anna 5	
NV6	North Anna 6	
NV7	North Anna 7	
NVAR	Mina Array Beam Reference Point	
NVBH	Bath Hotel, Nevis	
NVDO	Nevis, Disaster Management Department Office	
NVL	N'lazarevskaya	
NVL1	Lau de Morge, St.Gingolph, VS	
NVL2	Le Croseau, ST.Gingolph, VS	
NVL3	Port Valais, Les Evouettes, Wallis VS	
NVLB	Novo Lino, Alagoas, Brazil	
NVLJ	Novalja	
NVMT	Lincoln, Montana	
NVNR	Nevinnomyssk	
NVR	Nevrokopi	
NVRH	Round Hill, Nevis	
NVS	Novosibirsk	
NVSII	Novosibirsk	
NVSS	Nova Varos 2	
NVV	Nyvrovo	
NVXV	Nova Xavantina-MT	
NW2	New River	
NWA	Narrogin	NWAO
NWAO	Narrogin (SRO)	
NWC	North Woods Club	
NWCL	Newcastle	
NWEZ	Newall Road	
NWF	Wu-fen Shan	
NWL	Newcastle	
NWLT	Wulai	
NWR	Narrow River	
NWRL	North West River	
NWRM	Wright Ranch	
NWRT	Kuosheng	
NY08	NY08	
NY10	NY10	
NY11	NY11	
NY12	NY12	
NY13	NY13	
NY14	Universidad de la EARTH en Liberia	
NY15	NY15	
NY16	NY16	
NY17	Santa Rosa	
NYA	Nyala	
NYA7	NYA7	
NYA9	NYA9	
NYAB	Nyabibwe	
NYAM	Volcan Nyalulag	
NYAT	Nyati, Northwest	
NYC	Charley	
NYDR	Nydri-Lefkada	
NYG	Neryungri	
NYI	Nyiragongo Volcano Summit	
NYJ	Joshua Tree	
NYK	Nykoping	
NYLS	Nylsvlei,Limpopo Province	
NYM	Climax Mine	
NYNU	Nynaeshamn	
NYR	Receiver Site	
NYRK	Nyeri	
NYS	Syncline Ridge	
NYURE	Nandayure	
NYV	Vern	
NZB	Bigte	
NZBK	Nazarbek	
NZD	Nezhdaninsk	
NZIG	Nacozari, Sonora	
NZIP	Nizip/Gaziantep	
NZJ	Naze	
O01C	Eel River Conservation Camp, Redway	
O02C	Red Bluff	
O02D	Mt. Diablo Meridian	
O03C	Acorn Hollow, Los Molinos	
O03D	Paynes Creek	
O03E	Paynes Creek	
O04C	Chester	
O05C	Quincy	
O06A	Flanigan	
O07A	Toulon	
O08A	Rochester Mine, Lovelock	
O095	OBS O095	
O096	OBS O096	
O097	OBS O097	
O098	OBS O098	
O099	OBS O099	
O09A	Fish Creek Ranch, Battle Mountain	
O100	OBS O100	
O101	OBS O101	
O102	OBS O102	
O104	OBS O104	
O106	OBS O106	
O107	OBS O107	
O108	OBS O108	
O109	OBS O109	
O10A	Cortez Mining, Crescent City	
O110	OBS O110	
O111	OBS O111	
O113	OBS O113	
O114	OBS O114	
O11A	Cowboy Ranch, Jiggs	
O12A	Currie	
O13A	Hicks Ranch, Ibapah	
O14K	Tigyukauivet Mountain	
O15A	The Old Anderson's Place, Rush Valley	
O15K	Ungalikthiuk River	
O16A	Springville	
O16K	Kokwok River Bristol Bay	
O17A	Robinson Place, Fruitland	
O17K	Koliganek Bristol Bay	
O18A	Roosevelt	
O18K	Koktuh Hills	
O19A	Miners Draw (BLM), Jensen	
O19K	Port Alsworth	
O20A	White River City	
O20K	Slope Mountain	
O21A	Pagoda	
O22A	Kremmling	
O22K	Cooper Landing	
O23A	Lake Granby, Granby	
O24A	Longmont	
O25A	Wiggins	
O26A	Horse Wrangler Ranch, Akron	
O27A	Beecher Island, Eckley	
O28A	Krutsinger Ranch, Parks	
O28M	Mount Upton	
O29A	4D Ranch, Culbertson	
O29M	Mount Kennedy	
O30A	MW Ranch, Wilsonville	
O30N	Mendenhall	
O31A	Woolen Ranch, Alma	
O32A	Brockman Farm, Red Cloud	
O33A	Hebron	
O34A	Beatrice	
O35A	Humboldt	
O36A	Bolckow	
O37A	Wolven Farm, McFall	
O38A	Galt	
O39A	Kirksville	
O40A	La Belle	
O41A	Passleys Farm, La Prairie	
O42A	Bath	
O43A	Sugar Creek Farm, Atlanta	
O44A	Mansfield	
O45A	Potomac	
O47A	Sheridan	
O48A	Farmland	
O48B	Farmland	
O49A	Covington	
O50A	Cable	
O51A	Pataskala	
O52A	Adamsville	
O53A	New Philadelphia	
O54A	Avella	
O55A	Ligonier	
O56A	Blue Knob State Park, Imler	
O57A	Amberson	
O58A	Lewisberry	
O59A	Robesonia	
O60A	Telford	
O61A	Allentown	
O6A	E Barbuda OBS	
OA-	Oahu Island	OA-IS
OA01	Alborean Sea OBS, OB01	
OA02	Alborean Sea OBS, OB02	
OA03	Alborean Sea OBS, OB03	
OA04	Alborean Sea OBS, OB04	
OA05	Alborean Sea OBS, OB05	
OA06	Alborean Sea OBS, OB06	
OA07	Alborean Sea OBS, OB07	
OA08	Alborean Sea OBS, OB08	
OA09	Alborean Sea OBS, OB09	
OA10	Alborean Sea OBS, OB10	
OA11	Alborean Sea OBS, OB11	
OA12	Alborean Sea OBS, OB12	
OA13	Alborean Sea OBS, OB13	
OA14	Alborean Sea OBS, OB14	
OA15	Alborean Sea OBS, OB15	
OA16	Alborean Sea OBS, OB16	
OA17	Alborean Sea OBS, OB17	
OA18	Alborean Sea OBS, OB18	
OA19	Alborean Sea OBS, OB19	
OA20	Alborean Sea OBS, OB20	
OA21	Alborean Sea OBS, OB21	
OA22	Alborean Sea OBS, OB22	
OA23	Alborean Sea OBS, OB23	
OA24	Alborean Sea OBS, OB24	
OA25	Alborean Sea OBS, OB25	
OA26	Alborean Sea OBS, OB26	
OA27	Alborean Sea OBS, OB27	
OA28	Alborean Sea OBS, OB28	
OA29	Alborean Sea OBS, OB29	
OA30	Alborean Sea OBS, OB30	
OA-IS	Oahu Island	
OAK	Oakfield	
OAKV	Oakville Experimental Vineyard	
OAQ	Quito	
OAR	Oum El Arais	
OAS	Oasis	
OAT	Oat Mountain	
OAUI	Ile-Ife	
OAX	Oaxaca	
OB01	OBS 01	

Code	*Station Name*	*Other*
OB02	OBS 02	
OB03	OBS 03	
OB04	OBS 04	
OB05	OBS 05	
OB06	OBS 06	
OB07	OBS 07	
OB08	OBS 08	
OB09	OBS 09	
OB10	OBS 10	
OB11	OBS 11	
OB12	OBS 12	
OB13	OBS 13	
OB14	OBS 14	
OB15	OBS 15	
OB16	OBS 16	
OB17	OBS 17	
OB18	OBS 18	
OB19	OBS 19	
OB20	OBS 20	
OB21	OBS 21	
OB22	OBS 22	
OB23	OBS 23	
OB24	OBS 24	
OB25	OBS 25	
OB26	OBS 26	
OB27	OBS 27	
OB28	OBS 28	
OB29	OBS 29	
OB2NV	Oak Springs Butte	
OB30	OBS 30	
OB3NV	Oak Springs Butte	
OBA	Oasis-Bungera	
OBB	Obsidian Butte	
OBBL	Beni Bahdel	
OBC	Olympics--Bonidu Creek	
OBER	Oberstdorf	
OBF0	Syolatti, Pyhajoki	
OBF1	Elvisluoto, Pyhjoki	
OBF2	Ylip, Raahe	
OBF3	Siikajoki	
OBF4	Vikkela, Lumijoki	
OBF5	Vihanti	
OBF6	Kekajrvi, Ylivieska	
OBF7	Kamusenper, Kalajoki	
OBF8	Ulkokalla	
OBG	Obi Garm	
OBH	Olympics--Burnt Hill	
OBHAM	Bir El Hammam	
OBHM	Bloomer Hill	
OBI	Obihiro	
OBIP	Obispado Ponce	
OBK	Oberlin	
OBKA	Obir	
OBL	Observatory Ledge	
OBLS	Djebel Bou Ietas	
OBM	Ulan Bator	
OBN	Obninsk	
OB-NV	Oak Springs Butte	
OBO	Obock	
OBOS	Obo	
OBP	Observatoire de Paris	
OBR	Brabster	
OBS	Ocean Bottom Seismometer	
OBSA	Observatorio Astronmico de Quito, Ejido, Itchimbia, Quito, Ecuador	
OBSR	Observation Rock	
OBSV	Observatory	
OBVZ	Obonuco	
OBY	Ambatonomby	
OBZ	Oban	
OC2	Ocos 2	
OC9	Casamicciola	
OCA	Owens Crossroads	
OCAC	Ocana	
OCBR	Ocara	
OCF	Saint Nazaire	
OCG	Ocos	
OCHM	Cohasset Ridge	
OCHR	Omchak	
OCHT	Ochtendung	
OCLP	Ormoc	
OCM	Ochomogo	
OCN	Over Castle Rock	
OCO	Oklahoma City	
OCP	Olym-Cheeka Pk	
OCR	O'Connell Ranch	
OCTB	Oktyabr'skiy	
OCU3	Ocu, Herrera	
OCUV	OCUMARITO	
OCWA	Octopus Mountain	
OD2	Odessa Site #2	
ODAN	Odare	
ODB	Odobesti	
ODBI	Odobesti	
ODD	Odda	
ODD1	Odda	
ODEM	Odemis-Izmir	
ODEU	Stanfors	
ODJA	Bouhanifia	
ODK	Oud Koma	
ODNJ	Ogdensburg	
ODS	Odessa	
ODSA	Odessa	
ODSE	Onioshidashi	
ODZ	Otahua Downs	
ODZI	Dziouia	
OFA	Oficina Alemania	
OFB	Ocean Falls	
OFBG	Offenburg	
OFD	Oued Fodda	
OFFE	Offenburg-Weierbach	
OFFI	Offida	
OFK	Olympics--Forks	
OFR	Olym-F Res Ctr	
OFRG	Douar Fergoug	
OFRI	`Ofer	
OFT	Oftobruy	
OFU	Ofunato	
OFUJ	Ofunato	
OG01	Vacheresse	
OG02	Monnetier-Mornex	
OG03	Samoens	
OG04	La Clusaz	
OG05	Jujurieux	
OG06	Moye	
OG07	Sainte-Reine	
OG08	Commelle	
OG09	Saint-Thibaud-de-Couz	
OG10	Saint-Etienne-de-Cuines	
OG11	Montagny	
OG12	Villaroger	
OG13	Choranche	
OG14	Saint-Maurice-en-Valgodemard	
OG15	Briangon	
OG16	Combovin	
OG17	Prunihres	
OG18	Albannette	
OG19	Saint-Julien-en-Beauchene	
OG20	Riallon	
OG21	Saint-Cripin	
OG22	Abries	
OG23	Tende	
OG24	Aussois	
OG25	Le Caire	
OG26	St.-Nazaire-Desert	OCF
OG27	Meolans	
OG28	Izon-la-Bruisse	
OG29	Digne	
OG30	Villeneuve d'Entraunes	
OG32	Castellane	
OG33	Roure	
OG34	Musihges	
OG35	Corcelles	
OGA	Obergurgl	
OGAG	Argentiere	
OGAUY	Aigu	
OGD	Ogdensburg	
OGDI	Digne	
OGE	Ogeu	
OGH	Oga	
OGMO	Fort Saint-Gobain, Modane	
OGMT	Ogden Mountain	
OGMY	Moye	
OGNE	Ogallala	
OGOM	Van Goodin Ranch	
OGRR	Ongureny	
OGS	Ogasawara	
OGSI	Sixt	
OGSM	Saint Maurice de Rotherens	
OGSO	Ohio Geological Survey, Columbus	
OGTN	Old Graveyard	
OGU	Ogden Bay	
OGWZ	Otaki Gorge	
OHAK	Old Harbor	
OHC	O'Higgins	
OHCM	Honcut	
OHD	Ohdaira	
OHH	Osh	
OHJ	Ohira	
OHLN	Ohlone	
OHM	Omihachiman	
OHO	Hoy	
OHR	Ohrid	
OHRN	Oohira	
OHS	Orange Hill	
OHTN	Owl Hoot	
OHTR	Okhotsk	
OHW	Oak Harbor	
OHWZ	Ohakea	
OIA	Oishiyama (A)	
OIB	Oishiyama (B)	
OIC	Oishiyama (C)	
OII	Orti	
OILH	Oil house	
OIS	Oishiyama	
OISEL	Oiseley-et-Grachaux	
OIT	Oita	
OIT2	Oita 2	
OIW	Oiwake	
OIZ	Oio	
OJBR	Djebel Berber	
OJC	Ojcow	
OJD4	Ozhidaevo	
OJEN	Ojen	
OJGS	Djebel Guires	
OJOS	Ojo de Agua	
OJOX	Ej. Ojos Negros	
OK001	Jones High Sch.	
OK002	Wilshire Harrah	
OK003	Hefner Road	
OK004	Okla Sci Mus	
OK005	Luther M School	
OK006	Choctaw High	
OK007	Harrah City Hall	
OK008	Spencer City Hall	
OK009	Oakdale Elementary Sch.	
OK011	Prague	
OK020	N3440 Road, Meeker	
OK021	N3530 Road, Sparks	
OK022	N3560 Road, Prague	
OK023	East Waterloo Road, Luther	
OK024	West corner E0890 Road	
OK025	Westminster Rd and Hefner Rd	
OK029	Liberty Lake	
OK030	Cody Creek RV Park, Cushing	
OK031	S. Brethren Rd., Cushing	
OK032	Salt Plains WLR near Rte 11	
OK033	Mehan	
OK034	N. Norfolk Rd., Cushing	
OK035	E0210 Rd and N2420 Rd, Alva	
OK038	West end E0370 Rd, Waynoka	
OK044	Pawnee Station 44	
OK045	Pawnee Station 45	
OK046	Pawnee Station 46	
OK047	Pawnee, Station 47	
OK048	Pawnee Station 48	
OK049	E0420 Rd and N3200 Rd	
OK050	Pawnee Station 50	
OK051	E0350 and S34600 Roads, Ralston	
OK052	Battle Ridge Rd, NW of Cushing	
OK053	SW of W Deep Rock Rd and N Kings Hwy, Cushing	
OKA	Okayama	
OKA1	Okayama	
OKA2	Okayama 2	
OKAH	Ooka	
OKAK	Okmok	
OKAM	Okamatapati	
OKB	Okabe	
OKC	Ostrava-Krasne	
OKCB	Cheongsan-myeong	
OKCD	Okmok Cone D	
OKCE	Okmok Cone E	
OKCF	Okmok Cone F	
OKCFA	Oklahoma City	
OKCSW	OKLAHOMA CITY ARRAY SWEETHEART OKLAHOMA USA	
OKCZ	Okains Bay	
OKDL	Oakdale	
OKEB	Okgye-meyeon	
OKER	Okmok East Rim	
OKFG	Magazine Ridge	
OKG	Oak Grove	
OKGL	Djebel Kef Guellal	
OKH	Okha	
OKHR	Okhotsk	
OKHT	Okhotsk	
OKI	Okijuku	
OKID	Okmok Mt. Idak	
OKJL	Djebel Kodjel	
OKL	Od Khalfella	
OKN	Okuno	
OKNC	Okmok New Cone D	
OKP	Okiep	
OKRE	Okmok R'deer Pt	
OKS	Okushiri	
OKSO	Okmok South	
OKSP	Okmok Steeple Pt	
OKTD	Tabubil	
OKTU	Okmok Mt. Tulik	
OKWE	Okmok W'ng Wall	
OKWR	Okmok West Rim	
OKY	Okuyama	
OLAR	Ola	
OLAS	OLAS	
OLB	Olbia	
OLC	Olema	NOLM
OLCH	Olmue	
OLDB	Oldbury-Upon-Severn	
OLDO	Ol Doinyo Lengai	
OLDS	OLDS	
OLEF	Ile d'Oleron	
OLF	Olofstrom	
OLFT	Oleftalsperre	
OLG	Olintepeque	
OLGA		
OLHC	Oulhaca	
OLIL	Olney	
OLIV	Plomelin	
OLK	Olkaria	
OLKF	Oulanka, Finland	
OLL	Ollague	
OLLA	Las Ollas	
OLLE	Nevado del Ruiz	
OLMR	Olekminsk	
OLO	Oologah	
OLOS	Olot	
OLP	Otay Lakes Park	
OLQ	Olympics--Lake Quinault	
OLT	Olot	
OLW	Olympia	
OLWK	Olkaria West	
OLY	Olyphant	
OLYC	Mount Olympus	
OMA	Omae zaki	
OMCO	Orchard Mesa	
OME	Ometepe	
OMEGA	Omega	
OMET	Metahra	
OMID	Djebel Midouna	
OMJ	Ohmine	
OMM	Old Mammoth Mine	
OMMB	Old Mammoth Mine - surface	
OMOL	Omolon, Chukotka	
OMP	Cagayan Oro	CGP
OMRZ	Omania	
OMS	Omsukchan	
OMUT	Andoni	
OMW	Omak	
OMWY	Oxenhope Moor	
OMZ	Oamaru	
ON2	Olympics--North River	
ONA	Onahama	
ONAJ	Iwakimizuishiyama	
ONAU	Onsala	
ONCR	Oncesti	
ONE	Onerahi	
ONER	Baraj Valea Uzului	
ONF	Office Forets	
ONG	Ongoro	
ONH	Oakhill	
ONHA	San Felipe Oa, Saraguro	
ONI	Oni	
ONO	Onokovtsy	
ONR	Olympics--North River	
ONRN	Ngamring, Xizang Zizhiqu	
ONS2	Onesti	
ONST	Albstadt-Onstmettingen	
ONSU	Onsala	
ONTN	Oneida	
ONTNC	Ouen Toro	
ONTR	Ontario (NY)	
ONTRN	Noumea	
OO-	Oslo	OO-NW
OOD	Oodnadatta	
OOM	Omiya	
OO-NW	Oslo	
OOS	Ooshika	
OOT	Ootomari	
OOW	Octopus West	
OPA	Opana	
OPAM	Oficina de Planificacin del Area Metropolitana de San Salvador	
OPC	Olympic Penn College CREST BB SMO	
OPI	Opi	
OPL	Opal Mound	
OPLO	Oploo	
OPO	Ambohidratompo	
OPP	Oppenau	
OPPE	Oppeano	
OPPI	Oppido Mamertina	
OPRZ	Ohinepanea	
OPT	Oil Point	
OPU	Opuwo	
OR-	Orlando	OR-FL
OR1	Oriolo Calabro	ORI
OR2	Orenburg-2	
OR3	Orenburg-3	
ORA	Oran	
ORAM	Rattlesnake Point	
ORB	Orbe	
ORBT	Orbita	
ORC	Owens River	
ORC1	Okavango Research Center	
ORCC	Oricopia Mountain	
ORCD	Orcadas	
ORCV	Isla La Orchila	
ORD	Ordubad	
ORD1	Oradea	
ORDF	Ordiarp	
ORDU	Ordu-Boztepe	
ORE	Reay	
OREA	Oraiokastro	
OREN	Orenkoy-Mersin	
OR-FL	Orlando	
ORG	Organya	
ORGA		
ORGV	Orgiva	
ORH	Orhaniye	
ORHG	Orhangazi	
ORHO	Orleans, Heritage Park	
ORHR	Oreshnoe	
ORI	Oriolo Calabro	
ORIA	Oriahovo	
ORIF	Oris-en-Rattier	
ORIO	Orleans, Innes Road, Ontario	
ORIV	Oritupano	
ORJ	Oura	
ORK	Orkelljunga	
ORL	Orlik	
ORLT	Orhaneli	
ORNG	Orange	
ORNO	Orono	
ORO	Oropa	
ORP	Orsara di Puglia	
ORR	Orenburg	
ORT	Oak Ridge	
ORTC	Ortega, Tolima	
ORTG	Ortega, Santa Cruz, Guanacaste	
ORTH	Orthonies,Zakynthos,Greece	
ORTS	Orotukan	
ORV	Oroville	
ORX	Oropa	
ORY	Orie	
ORZI	Orzinuovi	
OSA	Osaka	
OSB	Orangeburg	
OSBL	Sidi Abdelli	
OSBY	Osborn	
OSC	Orangeburg	
OSC1	CSNet OBS 1	
OSC2	CSNet OBS 4	
OSCH	Osorno	
OSCM	Ostuacan	
OSD	Olympics--Snow Dome	
OSG	Oseberg A Platform	
OSGS	Os	
OSH	Oshima	
OSHJ	Oshima	
OSI	Osito Audit: Castaic Lake Dam, Castaic	
OSIN	Kakessio	
OSK	Osaka	
OSKI	Oschiri	
OSKU	Oskarshamn	
OSL	Oslo	
OSLO	Ohio State University--Lima	
OSM	Ostula	
OSML	Os-Marcillon	
OSMO	Ohio State University--Mansfield	
OSMR	Ostromysovka	
OSMT	Osmaniye	
OSNP1	Ocean Seismic Network, Sensor 1	
OSNP2	Ocean Seismic Network, Sensor 2, OSN1B	
OSNP3	Ocean Seismic Network, Sensor 3, OSN1S	
OSNY	Ossining	
OSP	Olympics--Sooes Peak	
OSPF	L'Ospedale	
OSR	Olympics--Salmon Ridge	
OSS	Ova Spin	
OSSC	Osservatorio Polifunzionale del Chianti	
OSSF	Osses	
OSSR	Ossora	
OST	Stronsay	
OSTC	Ostas	
OSTM	Stimpson Lane	
OSTU	Oestervaala	
OSUM	Sutter Buttes	
OSUO	Ohio State University	
OSV	Paramo de la Osa	
OSWG	Oswego	
OT001	1031 Sheenboro Crescent, Ottawa	
OT002	1514 Bourcier, Ottawa	
OT004	16, Winslow Court, Ottawa	
OT006	959, Brant, Ottawa	
OT008	2758 Massicotte Lane, Ottawa	
OT011	OT011	
OT012	7 Observatory Cres., Ottawa	
OT03	San Marco in Lamis (FG) Italy	
OT04	Stignano (FG) Italy	
OT05	Madonna di Cristo (FG) Italy	
OT06	Rignano Garganico (FG) Italy	
OT07	Costarelle (FG) Italy	
OT11	Lucera (FG) Italy	

Code	Station Name	Other
OT12	Manfredonia (FG) Italy	
OT13	Castello Vieste (FG) Italy	
OT14	Ischitella (FG) Italy	
OT15	Bari, Italy	
OT2	Othello	
OT3	Othello 3	
OTAO	Ottawa Anderson Road	
OTAV	Otavalo	
OTAZ	Otara	
OTBB	Blackburn lab bldg12	
OTBM	Table Mountain	
OTER1	Otterbach 1 (BS)	
OTER2	Otterbach 2 (BS)	
OTGH	Glebe high school	
OTH	Othello	
OTI	Otiai	
OTISU	ISU Olt	
OTJO	Outjo	
OTK	Orto-Tokoy	
OTL	Oterleek	
OTL1	Oterleek	
OTL2	Oterleek	
OTL3	Oterleek	
OTL4	Oterleek	
OTLM	Tlemcen	
OTNM	Canadian Museum of Nature	
OTO	Tongue	
OTP	Otepa	
OTPR	Odiongan	
OTR	Olympics--Tyee Ridge	
OTRO	Otter Rapids	
OTRP	Odiongan	
OTSS	Djebel Tessala	
OTT	Ottawa	
OTTER	Otterbach	
OTUK	Ortayu	
OTV	Ottaviano, Vesuvio (NA), Italy	
OTVZ	Oturere	
OTW	Orongorongo Tunnel	
OTWM	No. 579 Westminster Ave.	
OTZ	Ortiz Mountain	
OUA	Ouanaham	
OUAO	Ohio University	
OUENC	Ouen Island, New Caledonia	
OUF	Merijarvi	
OUFX	Oulainen	
OUJ	Oujda	
OUK	Oukaimeden	
OUL	Oulu	
OUR	Ouranopolis	
OUT	Outlet	
OUZ	Omahuta	
OUZM	OUZ	
OV1	Vesuviano	OVO
OVA	Ovalau	
OVAR	Ovaro	
OVCH	Ovalle	
OVD	Ostervraa, Denmark	
OVE	Overton	
OVEH	Oceanview Est	
OVMT	Ovando	
OVO	Vesuviano	
OWA	Owase	
OWAM	Wyandotte	OWYM
OWD	Renai	
OWE	Westray	
OWUT	Old Woman Plateau	
OWYM	Wyandotte	
OXBJ	Oaxaca	
OXD	Oxford	
OXF	Oxford	
OXIG	Oaxaca	
OXLC	Oaxaca	
OXM	Oxtotitlan	
OXMT	Ox Mountain	
OXX	Oaxaca	
OXZ	Oxford	
OYDB	Oeyeondo	
OYM	Oyama	
OYT	Oya 1	
OYT2	Oya 2	
OZAP	Van, Ozalp-Merkez	
OZB	Mount Ozzard	
OZC	Ocozocoautla	
OZE	Ozernaya	
OZHR	Ozhidaevo	
OZLJ	Ozalj	
OZNA	Ozona	
OZOL	Ozolo	
OZRR	Ozero (Kronotsky)	
OZST	Orizaba	
OZUR		
P01C	Double 8 Ranch, Willits	
P05C	Yuba Gap, Truckee	
P06A	Stead Airport, Stead	
P07A	Fallon	
P0844	Hornito Dam	
P08A	Dixie Valley	
P08K	Saint George Island	
P09A	Austin	
P10A	Eureka	
P11A	Circle Ranch, Eureka	
P12A	McGill	
P13A	Bates Ranch, Gandy	
P14A	Drum Mountains (BLM), Topaz	
P15A	Leamington	
P16A	Fountain Green	
P16K	Nushagak River	
P17A	Butcher Ranch, Price	
P17K	Kvichak River	
P18A	Preston Nutter Ranch, Sunnyside	
P18K	Big Mountain, AK	
P19A	Cripple Cowboy Ranch, Baxter Pass	
P19K	Oil Pt	
P20A	De Beque	
P21A	Newcastle	
P22A	Eagle	
P23A	Jefferson	
P23K	Montague Island	
P24A	Kohler Place, Littleton	
P25A	Willow Gulch Bison Ranch, Deer Trail	
P26A	Davis Ranch, Arriba	
P27A	Ficken Ranch, Kirk	
P28A	Saint Francis	
P29A	Atwood	
P29M	Windy Craggy	
P30A	Selden	
P30M	Million Dollar Falls	
P31A	Stockton	
P32A	Huiting Farm, Downs	
P32M	Atlin	
P33A	Williams Farm, Concordia	
P33M	Teslin, Yukon	
P34A	Walnut Farm, Randolph	
P35A	Duane Minner, Soldier	
P36A	Good Intent, Atchison	
P37A	Lathrop	
P38A	Dawn	
P39A	Salisbury	
P39B	Salisbury	
P403	Sandy Floe Quarry	
P40A	Paris	
P41A	Barry, Barry	
P42A	Winchester	
P43A	Skaggs, Pawnee	
P44A	Sand Creek, Windsor	
P45A	Graceland, Paris	
P46A	Rosedale	
P47A	Martinsville	
P48A	Milroy	
P49A	Miami Univ. Ecology Research Center	
P50A	Jamestown	
P51A	Williamsport	
P52A	Corning	
P53A	Whipple	
P54A	Burton	
P55A	Reedsville	
P56A	Dayton Farm, Ripley	
P57A	Homestead Farm, Martinsburg	
P58A	Pank, Wackersville	
P59A	Jarrettsville	
P5NO	Presa 5 de noviembre	
P60A	Greenville	
P61A	Hammonton	
PA01	PA01 North	
PA02	PA02 Ocean	
PA03	PA03 Flamable	
PA04	PA04 Cage	
PA05	PA05 Willingdon	
PA12	PA12 Sannich	
PAA	Panguna	
PAAG	Paamiut	
PAAR	P'arak'ar	
PAB	San Pablo	
PABB	Port Alberni	
PABE	Paberze	
PABH	Pacific Beach Navy Resort	
PABK	Blue Knob State Park, Imler	
PABN	Pabitra Nagar,Odisha	
PAC	Palo Alto--Branner	
PAC1	Pacto, Paraso	
PACA	Pacayal	
PACB	Port Alice, BC	
PACH	Papudo	
PACHH	PACH	
PACI	Pancar Gunung	
PACM	Arenal	
PACP	Pacheco Peak	
PACPP	Pamplona Cagayan	
PACT	Alcochete	
PACW	Pacific Creek	
PAD	Padua	
PADA	Padmapur Odisha,India	
PADM	Adeladia	
PAE	Paea	
PAF	Port-aux-Francais	
PAG	Le Parnasse	
PAGB	Antelope Grade	
PAGF	Fort de Pagny la Blanche Cte (52)	
PAGM	Antelope Grade	
PAGN	Pagan	
PAGS	Pennsylvania Geol. Surv.	
PAGU	Agualva, Azores	
PAGV	Pagan Volcano	
PAGZ	Pagadian	
PAH	Pahoa	
PAHR	Pah Rah Range	
PAHZ	Panekirikiri	
PAI	P Aileron	
PAIG	Paliouri	
PAJ	Port Antonio	
PAJA	PAJAN 2	
PAJU	Pajala	
PAK0	Pari Array Site 0	
PAKY	Paducah	
PAL	Palisades	
PAL1	Palomo	
PAL2	UHE Estreito - MA/TO	
PALA	Palora	
PALAG	Urb. La Laguna, PAL	
PALB	Palub	
PALBU	Albufeira	
PALC	Alcoutim	
PALE	Palemas	
PALJ	Aljezur	
PALK	Pallekele	
PALM	Palmichal	
PALME	Palmer Lift, Mt. Hood	
PALMI	Palmira, PALM	
PALN	Palana	
PALO	Palomo	
PALP	Palanan	
PALR	Palma Real	
PALS	Palana	
PALU	Palau	
PALV	Tres Palos	
PALZ	Palazzo San Gervasio	
PAM	Palermo	
PAMA	Santo Amaro	
PAMC	Pamplona, Colombia	
PAMF	Morne Pavillon	
PAMR	Moraine State Park, Slippery Rock	
PAN	Panimavida	
PAN03	PANNARANO	
PAN1	Panorama	
PANC	Panciu	
PAND	Andorre	
PANG	Puerto Angel	
PANH	Panhandle Gap, Mount Rainier	
PANI	Panarotta	
PANIX	Pigniu (Panix)	
PANJ	Princeton	
PANJA	Panjikon	
PANM	San Antonio Reservoir	
PANO	Nakornpanom	
PANR	Panormos, Dorida, Greece	
PANT	Pantanal (Brazil)	
PANTE	Pantelleria	
PANV	Panamint Range	
PAO	Baotou	BTO
PAOC	Oil Creek State Park, Oil Creek	
PAOL	Paolisi	
PAP	Pandan	
PAPA	Papagayo	
PAPH	Port-au-Prince	
PAPM	Alder Peak	
PAR	Paris	
PAR1	Juara	
PAR1C	Paralimni Civil Defence	
PAR2	Brasnorte	
PAR3	Juina	
PAR4	Juina	
PAR5	Porto dos Gachos	
PAR6	Juina	
PAR7	Juina	
PARA	Parapanda	
PARAA	Paradisi	
PARAL	Paralimni	
PARB	Paraibuna	
PARC	Parchiule	
PARD	Parod	
PARG	Los Pargos	
PARM	Anticline Ridge	
PARMO	Parma	
PARN	Parndana	
PARN1	Fyli,Attica,Greece	
PARN2	Moni Osiou Meletiou,Attica,Greece	
PARN3	Mandra,Attica,Greece	
PARO	Chuyul	
PARR	Paradise	
PARRA	Arraiolos	
PART	Garmisch-Partenkirchen	
PARU	Parque archeologico de Rumipamba	
PARV	Pariaguan	
PARZ	Papamoa	
PAS	Pasadena	
PASA	Karahalli, USAK	
PASC	Pasadena Art Cn	
PASE	Minerbio--Passere	
PASG	PASIGHAT	
PASI	Pasiripis	
PASK	Pasakaki Chania	
PAST	Pastocalle	
PAT	Patras	
PAT1	Patacocha	
PAT2	Paterson 2	
PAT4	Patras	
PAT5	Rio Patras	
PATA	Patacocha	
PATB	Patos, Paraiba, Brazil	
PATC	Patra C	
PATCX	Punta Patache	
PATG	Patra B	
PATN	Patnagarh Odisha,India	
PATO	Ponte Alta do Tocantins	
PATR	El Naranjo	
PATS	Pohnpei	
PATW	Paterson	
PATY	Pattaya	
PATZ	Paeroa	
PAU	Pauzhetka	
PAULI	Pauline	
PAUV	EL PAUJM	
PAV	Pavia	
PAVA	Las Pavas	
PAVE	Pavencul	
PAW	Pawlowsk	
PAWZ	Paruwai Farm	
PAX	Paxson	
PAY	Chiapas	
PAYA	Payao	
PAYG	Puerto Ayora	
PAYL	Puyallup School ANSS-SMO	
PAYV	Puerto Ayacucho	
PAZ	Puerto Azul	
PB-	Parsons	
PB01	IPOC Station PB01	
PB02	IPOC Station PB02	
PB03	IPOC Station PB03	
PB04	IPOC Station PB04	
PB05	IPOC Station PB05	
PB06	IPOC Station PB06	
PB07	IPOC Station PB07	
PB08	IPOC Station PB08	
PB09	IPOC Station PB09	
PB10	IPOC Station PB10	
PB11	IPOC Station PB11	
PB12	IPOC Station PB12	
PB13	IPOC Station PB13	
PB14	IPOC Station PB14	
PB15	IPOC Station PB15	
PB16	IPOC Station PB16	
PB18	Visviri	
PBA	Port Blair	
PBAR	Barrancos	
PBC	Punta Burica	
PBCC	Pribram	
PBCV	Popocatepetl	
PBDV	Barranco-do-Velho	
PBEJ	Beja	
PBEN	Benavente	
PBF	Porcher Bluff	
PBG	Petersburg	
PBG1	Petersburg	
PBIG	Penon de los Banos, D. F.	
PBIS	Biscoitos	
PBJ	Presa Benito Juarez	
PBKI	Pangkalan Bun	
PBKT	Sadao Pong	
PBMO	Poplar Bluff	
PBNC	Punta Banco, Puntarenas	
PBO3	Pozo tres de Borinquen	
PBOI	Pico dos Bois	
PBPM	Bitterwater Pump Station	
PBPN	Popocatepetl	
PBQ	Poste Baleine	
PBR1	Peterborough	
PBRG	Braganca	
PBRM	Bassetti Ranch	
PBS	Pigeon Bay	
PBSI	Pulau Batu	
PB-TN	Parsons	
PBU	Perry Basin	
PBUR	Paburge	
PBV	Petersburg	
PBVM	Pinon	
PBWM	Bitterwater Creek	BTW
PBX	Punta Banda	
PBXN	Popocatepetl	
PBYM	Bryson	
PC-	Picayune	PC-MS
PC04	Monticchio (on limestone)	
PC05	Monticchio (on alluvial deposits)	
PCA	Pinnacle	
PCA1	Carrot	
PCAB	Cabril	
PCAL	Alvares	
PCALD	Caldeiras da Ribeira Grande	
PCAM	Castle Mt.	CTM
PCAN	Candelaria	
PCAPE	Capelo, Faial	
PCAQ	Pointe Carleton	
PCAS	Casmilo, Condeixa	
PCASC	Cascais	
PCAYA	Pacayas	
PCB	Port Clements	
PCBI	Pancar Batu	
PCBM	Cambria	
PCBR	Castelo Branco	
PCC	Pilarcitos Creek	
PCCM	Crazy Canyon	
PCDR	Punta Cana, DR	
PCDRA	Caldas da Rainha	
PCED	Cedros	
PCEP	Pierce County East Precinct	
PCF	Pomona	
PCFR	Pierce County Firing Range	
PCG	Pacaya	
PCGM	Cerro Alto Campground	
PCH	Pirque	
PCHF	Pas de la Coche	
PCHI	Peechi	
PCHMX	Agua Dulce, PCH	
PCHP	Portachuelo	
PCHR	PETRACHIOAIA	
PCHS	Pakhachi	
PCI	Palu	
PCID	Pole Creek	
PCIG		
PCJ	Portland Cottage	
PCJI	Pacitan	
PCL	Pacheco Lake	
PCLB	Port Clements	
PCM	Pelee Case Petit	
PCMB	Pacaembu	
PCMD	Pierce County Mountain Detachment	
PCMM	Cholame Hills	
PC-MS	Picayune	
PCMT	Pistol Creek	
PCN	Piacenza	
PCND	Candelaria	
PCNE	Platte Center	
PCNG	Congro	
PCNV	San Giusto Canavese	
PCO	Ponca City	
PCOI	Coimbra	
PCON	Cinco Dias	
PCOS	Crockett Middle School (Pecos)	
PCOU	Corrie	
PCP	Piancastagn	
PCPH	Palayan	
PCR	La Plaine Cafres	
PCRA	Pucara 2	
PCRI3	Pocri, Los Santos	
PCRM	Curry Mountain	
PCRO	Pietralacroce	
PCRP	Carpino	
PCRV	Puerto La Cruz	
PCRZ	Pico da Cruz	
PCS	Paracas	
PCT	Pak Chong	
PCTB	Pacatuba, Sergipe, Brazil	
PCU	Price	
PCVE	Castro Verde	
PCY	Pole Canyon	
PCYT	Pengchaiyu	
PD-	Princeton	PD-BC
PD01	Pinedale Array Site 1	
PD02	Pinedale Array Site 2	
PD03	Pinedale Array Site 3	
PD04	Pinedale Array Site 4	
PD05	Pinedale Array Site 5	
PD06	Boulder Array	BW06
PD07	Pinedale Array Site 7	
PD08	Pinedale Array Site 8	
PD09	Pinedale Array Site 9	
PD10	Pinedale Array Site 10	
PD11	Pinedale Array Site 11	
PD12	Pinedale Array Site 12	
PD13	Pinedale Array Site 13	
PD31	Pinedale Array Site 31	PDAR
PD32	Pinedale Array Site 32	
PDA	Ponta Delgada	
PDAR	Pinedale Array Beam Ref. Point	
PDB	Pedro Bay	
PD-BC	Princeton	
PDC	Pieve di Cadore	
PDCR	Pedra do Cavalo	
PDD	Puy-de-Dome	
PDDM	Pindari Dam	
PDE	Pardee, Santa Clarita	
PDEM	Puerto del Eden	
PDG	Podgorica	TTG
PDGK	Podgornoye	
PDHT	Panda Hill	
PDI	Porto d'Ischia	

Code	Station Name	Other
PDIAR	Pinedale Infrasonic Array Beam Reference Point	
PDIG	Papasquiaro	
PDK	Podkova	
PDKS	Podkum	
PDMC	Merrill Creek	
PDMCI	Parker Dam,Lake Havasu City	
PDMV	Paramo Marino	
PDNS	Pedernales	
PDO	Prodromos	
PDP	Pandan	
PDPR	Patillas Dam, Puerto Rico	
PDRA	Piedra	
PDRB	Porto dos Gachos, MT	
PDRG	Pedrog??o	
PDRM	Domengine Ranch	
PDSI	Padang	
PDTN	Piedmont	
PDTT	Paso de los Toros, Tacuaremb	
PDUI	Pindiu	
PDY	Peleduy	
PDY01	Peleduy Array Site 01	
PDY02	Peleduy Array Site 02	
PDY03	Peleduy Array Site 03	
PDY04	Peleduy Array Site 04	
PDY05	Peleduy Array Site 05	
PDY06	Peleduy Array Site 06	
PDY07	Peleduy Array Site 07	
PDY08	Peleduy Array Site 08	
PDY09	Peleduy Array Site 09	
PDY31	Peleduy Array Site 31	
PDYAR	Peleduy Array Beam Reference Point	
PE-	Pineville	PE-WV
PE01E	Kouteli, PE01	
PE02E	Kaliani, PE02	
PE03E	Pteri, PE03	
PE04E	Arkadiko, PE04	
PE05E	Neochori, PE05	
PE07E	Leonidio, PE07	
PE1	Pezze di Greco (BR)	
PE3	Peglio	
PEA	Pea Ridge	
PEA0	opavlovsk-Kamchatskiy kiy Array Site A0	
PEA0B	opavlovsk-Kamchatskiy kiy Array site AOB	
PEA1	opavlovsk-Kamchatskiy kiy Array Site A1	
PEA2	opavlovsk-Kamchatskiy kiy Array Site A2	
PEA3	opavlovsk-Kamchatskiy kiy Array Site A3	
PEAR	Peavine Mountain	
PEB	Petersbachel	
PEB1	opavlovsk-Kamchatskiy kiy Array Site B1	
PEB2	opavlovsk-Kamchatskiy kiy Array Site B2	
PEB3	opavlovsk-Kamchatskiy kiy Array Site B3	
PEB4	opavlovsk-Kamchatskiy kiy Array Site B4	
PEB5	opavlovsk-Kamchatskiy kiy Array Site B5	
PEBM	Pemiscott Bayou	
PEC	Perris	
PECH	Pedro de Valdivia	
PECO	Prince Edward County	
PECR	Pechory	
PECS	Pecos	
PECU	Ecuador Network	
PECV	Mancha de Ca Pechiches	
PED	Pedro Cerda	
PEDA3	Pedasi	
PEDE3	Pedregal, Chiriqui	
PEDR	Pedernales	
PEFK	Dio Pefka	
PEG	Perugia	PRG
PEH	Beibei	
PEHC	Pehcevo	
PEI	Peine	
PEIC	El Pital	
PEIG	Puerto Escondido	
PEJK	Peje	
PEK	Beijing	BJI
PEL	Peldehue	
PELI	Kastamonı-Ara	
PEM	Pine Mountain	
PEMC	Merrill Creek	
PEMO	Pembroke	
PEN	Pensacola	
PENC	Penc	
PENI	Pendagan	
PENM	Chiapas	
PENMO	Penman	
PENR	Ponce-Enriquez	
PENT	Pentalofos	
PENW	Penwortham, SA	
PEO	Puerto Escondido	
PEP	Pantabangan	
PER	Perth	
PER1	Peristeri Attica	
PERF	Col du Perthus	
PERI	Perivolia Chania	
PERL	Pearl BPA Site DOGAMI SMO	
PERS	Pernice	
PERT	Persembe	
PERV	Siirt/Pervari-Merkez	
PES	Peshawar	
PES2	opavlovsk-Kamchatskiy kiy Array site S2	
PESA	Pesaro	
PESCX	Ej. Pescaderos	
PESE3	Pese, Herrera	
PESTR	Estremoz	
PET	Petropavlovsk	
PET01	Itanhaem-SP	
PET1	Petalidi	
PET2	Petatlan	
PET25	Pettoranello del Molise	
PETE	Peter Faust Dam	
PETF	Flores	
PETK	opavlovsk-Kamchatskiy kiy Array site P	
PETL	Petrolia	
PETR	Petresti	
PETRA	Petralia Soprana	
PETS	Petropavlovskoye	
PEUT	Richfield	
PEV	Pleasant Valley	
PE-WV	Pineville	
PEX	Puerto Escondido	
PEXB	Peixe	
PEZE	Perez Zeledon, Campus UNA, Perez Zeledon, San Jose	
PF-	Pickford	PF-MI
PF6	Pievefavera	
PFA	Pierce Ferry	
PFAD	Fenais da Ajuda	
PFAFF	Pfaffnau Reservoir	
PFARO	Faro	
PFAV	Pico das Favas	
PFB	Port Renfrew	
PFBR	Pau dos Ferros	
PFBV	Barranco	
PFCBR	Castelo Branco, Faial, Azores	
PFET	Feteiras	
PFFO	Foia	
PFH	Pahoa Fire House	
PFMC	Merrill Creek	
PFMF	Monte Figo	
PF-MI	Pickford	
PFO	Pinyon Flats Observatory	
PFPE	Pera	
PFR	Pine Flat Road	
PFSB	Sao Bartolomeu	
PFSC	Santa Clara	
PFVI	Vila Bisbo	
PG-	Prince George	PG-BC
PG2BC	Prince George	
PGA	Paragould	
PGA1	Puerto Gaitan 1, Meta	
PGA3	Puerto Gaitan 3, Meta	
PGA4	Puerto Gaitan 4, Meta	
PGA5	Puerto Gaitan 5, Meta	
PGAV	Gavieira, Arcos de Valdevez	
PGAZ	Page	
PGB	Panagyurishte	
PGBAU	Baubata	
PG-BC	Prince George	
PGBU	Glenifferbraes	
PGC	Sidney	
PGD	Poggio Sodo	
PGE	Panamint Range	
PGF	Pioggiola	
PGHM	Gold Hill	GHC
PGKAI	Kaiamu	
PGM	Pleasant Grove	
PGMAR	Marapu	
PGN3	Pignola, Italy	
PGO	Gresham	
PGOM	Puerto del Gallo	
PGOR	Pogoanele	
PGP	Puerto Galera	
PGRA	Graciosa	
PGRO2	Bucuresti	
PGRON	Lagoa das Contendas	
PGS	Pagosa Springs	
PGVM	Portageville	
PGW	Port Gamble	
PGWM	Grace West	
PGX	Piedras Gordas	
PGY	Peter Gray Mountain	
PGZ	Pongaroa	
PH2NV	Pahute Mesa Site	
PH3NV	Pahute Mesa Site	
PH4NV	Pahute Mesa Site	
PHA	Port Heiden	
PHAM	Harlan Ranch	
PHAP	Phaplu	
PHB	Parliment House Basement	
PHBM	Huron Fishing Bridge	
PHC	Port Hardy	
PHCM	Hearst Castle	
PHDHD	Phuduhudu	
PHDM	Pipehead	
PHEL	Phelps	
PHET	Kaeng Krachan	
PHFM	Heflinger Ranch	
PHG	Guadaloupe-2	
PHGM	Hog Canyon	
PHH	Puu Huluhulu	
PHI	Philadelphia	
PHID	Phidim	
PHIT	Phitsanulok	
PHL	Hel	
PHN	Pohang	
PHNC	Paralimni	
PH-NV	Pahute Mesa Site	
PHO	Puu Honuaula	
PHP	Peshkopia	
PHPEN	Phepeng	
PHPI	Puyuhuapi	
PHPM	Hope Ranch	
PHPU	Puebla	
PHRA	Phrae	
PHRM	Hernandez Valley	HVC
PHSA	Palmer High School	
PHSB	Hesperia Broadband	
PHSM	Hesperia	
PHSR	Pinarhisar	
PHUB	P'eng-hu	
PHW	Phalaborwa	
PH-WA	Pomeroy	
PHWY	Pilot Hill	
PHWY1	Pilot Hill -- Preliminary Site	
PHYB	Yellowpoint	
PI-	Pinedale	PI-WY
PI1	Pinedale	
PI2	Pinedale	
PI2WY	Pinedale	
PI3	Pinedale	
PI4	Pinedale	
PI5	Pinedale	
PI6	Pinedale	
PI7	Pinedale	
PIA	Pitten	
PIAC	Piriac/mer	
PIAF	les Granges de la Pia - Tende	
PIAM	Paiam	
PIAT	Ana Tenorio	
PIB	Pender Island	
PIBC	Piobbico	
PIC	Picacho Peak	
PICA	La Picada, Volcan Turrialba	
PICH	Pichilemu	
PICHH	PICH	
PICO	Pico	
PICS	Picacho	
PID	Ribeirinha	
PIDGE	Terre Adelie	
PIE	Pietermaritzburg	
PIED	Piedade	
PIEI	Pieia	
PIER	Pier 30 Seattle	
PIET	Pietralunga	
PIG	Pigeon Point	
PIGI	AfricaArray/PSU - ZP	
PIGN	Pignataro Maggiore	
PII	Pisa	
PIJI	JIPIJAPA 3	
PIL	Pilar	
PILA	PATRICIA PILAR	
PILG	Pilgrimsrest, Mapumalanga, South Africa	
PIM	Presa Infiernillo	
PIMB	Pitt Meadows	
PIN	Pinedale	
PINA	Piqa, Costa Abajo de Colsn	
PINB	Pinarbasi	
PINC	Pinares de Mayari	
PINE	Pine Mountain Observatory	
PING	Pingelly	
PINGU	Terre Adelie	
PINI	Pine Creek	
PINL	Point Pinole Regional Park (East Bay Regional Park) California	
PINM	Pinnacle	PCA
PINNC	Pines Island, New Caledonia	
PINO	Pino	
PINOR	Pine Mountain	
PINP	Pinatubo--East Slope	
PINR	Pinar	
PINT	Los Pintados	
PINU	Pond Inlet	
PIO	Pinotepa	
PIO1	Pioraco	
PIOH	Piqua	
PIORA	Tunnel	
PIP	Pasuquin	
PIPA	Pietrapaola	
PIPTJ	Tijuana	
PIR	Pirmasens	
PIR1	PIREAS,	
PIR2	Faliron Pireas	
PIR3	Pireas	
PIRH	Pier house	
PIRM	Iverson Ranch	
PIRO	Carate, Puerto Jimenez, Puntarenas	
PIS	Pisa	
PIS1	Pisayambo	
PISA	Pisayambo	
PIT	Pittsburgh	
PITA	Cotopaxi Volc (N)	
PIU	Piute Mountains	
PIV	Piva	
PIVM	Indian Valley	
PIVO	Bartosovice	
PI-WY	Pinedale	
PIX	Pinacate	
PIZC	Pizarro, Choco	
PJC	Pensacola State College	
PJD	Pedro Dome	
PJG	Potts Junction	
PJLM	Jolon Road	
PJ-PA	Pottstown	
PJRM	Jolon Road	JOL
PJUM	Juniper Ridge	
PK-	Pilot Rock	PK-OR
PK1	Gold Hill	GHC
PK2	Work Ranch	WKR
PK3	Taylor Ranch	TRC
PKA	Prieska	
PKB1	Eloszallas	
PKB2	Akaszto	
PKB3	Csaszartoltes	
PKB4	Kolesd	
PKB5	Pusztahencse	
PKC	Peckham Road	
PKCU	Pink Cliffs	
PKD	Bear Valley Ranch, Parkfield	
PKD1	Parkfield	
PKDT	Phuket	
PKE	Pukeiti	
PKEM	Kettleman Hills	
PKF	Parkfield Array	
PKGZ	Pakihiroa	
PKH	Park Hill	
PKI	Pulchoki	
PKIN	Phulchoki	
PKK	Porkkala	
PKKI	Palangkaraya	
PKKY	Potato Knob	
PKL	Puu Kaliu	
PKLM	Kerr Lake	
PKLO	Pickle Lake	
PKM	Mcpherson Peak, Los Olivos	
PKME	Peaks-Kenny Pk	
PKMR	Pachkamar	
PKN	Parkers Pond	
PKNC	Pores Knob	
PKNY	Stone Ridge	
PKO	Pickens	
PK-OR	Pilot Rock	
PKR	Le Roux Dam	
PKRO	Pickering	
PKS2	Kecel	
PKS3	Solt	
PKS4	Mecseknadasd	
PKS5	Helvecia	
PKS6	Bocsa	
PKS7	Kunszentmiklos	
PKS8	Sarbogard	
PKS9	Tamasi	
PKSC	Csakvar	
PKSG		
PKSM	Moragy	
PKSN	Nyarlorinc	
PKST	Ts	
PKT	Phuket	
PKVZ	Pokaka	
PKYU	Pakayacu	
PLA	Palau	
PLA1	Pilaia Thessaloniki	
PLAC	Placanica	
PLAGO	Lagos	
PLAI	Plampang	
PLAJ	Lajes	
PLAL	Pickwick Lake	
PLAN	Los Planes de Bahia Drake, Puntarenas	
PLAR	PLOIESTI	
PLAT	Plata	
PLATJ	Playas de Tijuana	
PLAV	Platillon	
PLAY	Playas-San Antonio	
PLAZ		
PLB	Puerto Libertad	
PLBC	Pleasant Camp	
PLBL	Peulik Blue Creek	
PLC	Palomares Road	
PLC1	Palaiochora Chania	
PLCA	Paso Flores	
PLCV	Puerto La Cruz	
PLD	Plovdiv	
PLDF	La Plantade	
PLE	Pljevlja	
PLEC	Pleito Hills	
PLEF	Pleven - 22200 - C´tes-d'Armor - Bretagne - France	
PLG	Polygyros	
PLH	Pulheim	
PLI	Panarea	
PLI2	Pozzilli	
PLIB	Puerto Libertad	
PLID	Pearl Lake	
PLIG	Platanillo	
PLIO	Pelee Island, Stone Alvar Conservation Area	
PLIT	Plitvice	
PLK1	Peulik 1	
PLK2	Peulik 2	
PLK3	Peulik 3	
PLK4	Peulik 4	
PLK5	Peulik 5	
PLKI	Palangkaraya	
PLL	Puu Ulaula	
PLLN	Pollina	
PLM	Palomar	
PLMA	Palmaria, Porto Venere	
PLMAC	Candelaria, PLMA	
PLMC	San Jos del Palmar, Choc	
PLMI	Pala-Maneri	
PLML	Palmela	
PLMO	Planta Morelos	
PLMR	Palmer	
PLN	Plauen	
PLN1	Chaniotis	
PLNA	Plana	
PLO	Pochutla	
PLOF	Ploemeur	
PLOM	Lone Oak Road	LRC
PLONS	Plons/SG	
PLOR	Plostina	
PLOR1	Plostina Array site 1	
PLOR2	Plostina Array site 2	
PLOR3	Plostina Array site 3	
PLOR4	Plostina Array site 4	
PLOR5	Plostina Array site 5	
PLOR6	Plostina Array site 6	
PLOR7	Plostina	
PLOU	Loures	
PLP	Palo	
PLPT	Palo Pinto	
PLR	Palermo	
PLR1	Paliouri	
PLRM	Palmer USGS	PMR
PLRO	Paularo	
PLS	Point Lisas	
PLS3	Ploiesti	
PLT	Pilot Knob	
PLTA	Palata	
PLTB	Pedras Altas	
PLTM	Poltava	
PLTR	Poltavka	
PLTX	Planet X, Gerlach	
PLU	Palu	
PLUM	Mont Dore	
PLUZ	Luz	
PLV	Phu-Lien	
PLVA	Point Lookout	
PLVAM	Vidin	
PLVB	Pleven	
PLVO	Plevna	
PLVR	Palo Verde	
PLWL	Peulik Whale Mountain	
PLWZ	Palliser	
PLX	Puerto Libertad	
PLY	Plymouth	
PLYF	Puligny Montrachet	
PLZA	Paluzza	
PM-	Pole Mt.	PM-WY
PMA	Port Moller	
PMAD	Madalena	
PMAFR	Mafra	
PMAN	Manadas	
PMAQ	Port Menier	
PMAR	Madeira	
PMAT	Coroa da Mata	
PMB	Pemberton	
PMBG	termaritzburg,KwaZulu lu Natal	
PMBI	Palembang	
PMC	Poorman Mine	
PMCB	Calebasse	
PMCH	Puerto Montt	
PMCM	McMillan Canyon	
PMD	Palm Desert	
PME	Palmer East	
PMG	Port Moresby	
PMGM	Santa Margarita	

Code	*Station Name*	*Other*
PMGR	Mogosoaia	
PMJU	Montehunto	
PMK	Pointe Molloy	
PML	Morne Lenard	
PML3	Paraiso	
PMLM	Mount Lospe	
PMM	Presa Malpaso	
PMMC	Merrill Creek	
PMN	Pahute Mesa	
PMNB	Patos De Minas	
PMO	Pomariorio	
PMON	Piamonte	
PMOR	Pomariorio Reef	
PMOS	Mosteiros	
PMOZ	Porto Moniz, Madeira	
PMP	Pompeii	
PMPB	Monarch Peak	
PMPM	Monarch Peak	MOP
PMPS	Porto Santo	
PMPST	Porto Santo, Madeira	
PMR	Palmer	
PMRF	Poiana Mare	
PMRM	Maxey Ranch	
PMRV	Marv??o	
PMS	Palmer South	
PMSA	Palmer Station	
PMSI	Majene	
PMST	Lisbon--Monsanto	
PMSU	Muirshiel	
PMT	Pine Mountain	
PMTG	Montargil	
PMUV	Sontecomapan	
PMV	Pico Espejo	
PMVM	Nuevo Madin	
PMW	Pole Mountain	
PM-WY	Pole Mountain	
PN-	Pine Creek	PN-OR
PN1	Presa Penitas 1	
PN2	Presa Penitas 2	
PN3	Presa Penitas 3	
PN4	Presa Penitas 4	PORM
PN6	Pavlof North-6	
PN7A	Pavlof North-7A	
PNA	Partacoona	
PNAL	Ponte nelle Valli ARPAV	
PNB	Pomio	
PNBI	Panbari	
PNBR	Petit-Nobressart	
PNC	Pine Canyon	
PNCB	Parque Nacional Cabo Blanco, CR	
PNCL	Nicolau / Grandola	
PNDA	Mpanda	
PNE2	Playa Negra, Guanacaste	
PNG	Penghu	
PNH	Pitcher Mountain	
PNHZ	Pukenui	
PNI	Pinerolo	
PNIG	Pinotepa	
PNJ	Paterson	
PNK	Pinkham Creek	
PNL	Peninsula	
PNLK	Pine Lake Middle School	
PNMC	Pinto Mountains	
PNME	Penonome	
PNMM	Union City	
PNN	Pinnacle Mountain	
PNO	Pendleton	
PN-OR	Pine Creek	
PNOR2	Nordeste	
PNP	Penuelas	
PNPB	Parque Nacional Piedras Blancas, Golfito	
PNPO	Pukaskwa National Park	
PNR	Penrod	
PNS	Penas	
PNSH	Pansheti	
PNT	Penticton	
PNT3	Piatra Neamt	
PNTK	Humangqian	
PNTR	Pine Nut	
PNUA	Pueblo Nuevo de la Aldea, Limon	
PNUE	PNUE	
PNVM	Presa Marin	
PNY	Plattsburgh	
PNZ	Plattsburgh	
PO-	Post	PO-TX
PO9	Polino	POI
POA	Poas	
POA2	Poas 2	
POA5	Crater Von Franzius, Volcan Poas	
POAT	Poatina	
POB	Polly Butte	
POB1	Observatory	
POBI	Pontebba	
POBL	Monestir Poblet	
POBM	Portage Bay	
POC	La Pocatiere	
POCA	Pocatky	
POCCA	Poleta Canyon	
POCN	Pocone	
POCR	Potenciana 2	
POCW	Potky	
PODR	Polo	
POE	Porton East	
POF	Pofadder	
POFI	Posta Fibreno	
POG	Pongola	
POGA	Pongola	
POGM	Potrero Grande	
POGR	Pogradec	
POH	Pohoiki	
POHA	Pohakuloa	
POHV	Veracruz	
POI	Polino	
POIN	Pond Inlet	
POK	Puuokali	
POKR	Poker Plat Research Range	
POL	Pola	
POL1	Poligiros	
POLA	Polatl-ANKARA	
POLC	Polcenigo	
POLL	Polichno	
POLO	Lamas de Olo	
POLP	Polilio Island	
POLY	Polykladiko Chania	
POM	Pomona	
POMOR	Pomortsevo, Kuzbass, Russia	
PON	Ponce	
POND	Pondoa	
PONG	Pong	
PONT	Pont de Suert	
PONU3	Ponuga, Veraguas	
PONY	Stone Ridge	
POO	Poona	
POOP	Poopo	
POP	Popondetta	
POPB	Porto Primavera	
POPC	Popayan, Colombia	
POPE	POPE, Guanacaste	
POPM	Popiglio	
POPR	Popesti-Leordeni	
POR	Portland	
PORA	Boryeong	
PORM	Chiapas	
PORMA	Terre Adelie	
PORP	Portuguez	
PORS	Port of Spain	
PORT	Chimborazo Volcano	
PORTQ	Porto Quipiri, Bengo	
POS	Porton South	
POSS	Possen	
POST	Post	
POT	Potsdam	
POT2	Potabilizadora Mexicali	
POTG	Potrero Grande, Buenos Aires, Puntarenas	
POTR	Potrero Hills, Fairfield	
POTS	Potsdam Coll	
POTV	Potrerito	
POTX	Potabilizadora X. Mexicali	
PO-TX	Post	
POU	Pouilloux	
POVGA	Lagoa	
POW	Powhatan	
POWD	Powder case	
POWZ	Post Office Road	
POYO	Poyo	
POZO	Pozo Almonte	
POZS	Pozzuoli Solfatara	
POZT	Pozzuoli Rione Terra	
PP-	Pipestone	PP-MN
PP02	Calachota	
PP03	Condor	
PP04	Saramarca	
PP05	Tocota	
PP06	Puquio	
PP07	Ayacucho	
PP08	Chalhuanca	
PP09	Villa El Salvador	
PP10	Ancon	
PP16	Cajamarca	
PP1B	Ponte de Pedra	
PP3	Marolino	
PPA	Pie de Palo	
PPAD	Pico dos Padres	
PPB	Philisteinsche Polder	
PPB1	Philisteinsche Polder (Bergen)	
PPB2	Philisteinsche Polder (Bergen)	
PPB3	Philisteinsche Polder (Bergen)	
PPB4	Philisteinsche Polder (Bergen)	
PPBI	Pangkal Pinang	
PPC	Pine Pass	
PPCY	Paphos	
PPD	Presidente	
PPDR	Puerto Plata	
PPE	Popeni	
PPF	PLOIESTI	
PPFM	Parkfield Array	PKF
PPH	Pasian Peak	
PPHS	Papanui	
PPHYL	Hylton High School	
PPI	Padang Panjang	
PPIG	Popocatepetl	
PPJ	Porto Judeu	
PPK	Piper Mountain	
PPL	Puu Pili	
PPL1	Portopalo di Capopassero	
PPLA	Purkeypile	
PPLM	Point Pleasant	
PPLP	Puerto Lpez	
PPM	Popocatepetl	
PP-MN	Pipestone	
PPN	Papenoo	
PPNM	Papanoa	
PPNO	Prainha do Norte	
PPO	Portuguese Canyon 2	
PPOM	Papayo	
PPOR	Portimao	
PPOV	Povoa§£o	
PPR	Puerto Princesa	
PPRM	Paso Robles	
PPS	Pierpont	
PPS1	Pattan	
PPSA	Petersburg Public Schools	
PPSI	Pulau Pagai	
PPT	Papeete	
PPT2	Papeete2	
PPTF	Pamatai, Papeete	
PPTM	Peach Tree Valley	PTV
PPU	Promontory Point	
PPV	Praia da Vitria	
PPXB	Puerto Peasco	
PPYK	Woodland Mills	
PPZ	Puysegur Point	
PQ0	Cooper Hill	
PQ1	East Ridge	
PQI	Presque Isle	
PQ-ID	Preston	
PQL	Pirkuli	
PQN	Pahaquarry	
PQSS	Presa 15 de Septiembre	
PR-	Palmyra I.	PR-IS
PR01	Verghereto (FC)	
PR02	Localit Poggio-Vacaldola (Sant'Agata Feltria – RN)	
PR05	Cuzco--Tambomachay	
PR0R	Verkhnechusovskiye Gorodki	
PR11	Kitumbeine SS	
PR1R	Pomanovo	
PR2R	Dobryanka	
PR31	Engaruka Boma	
PR32	Iloiriento PS	
PR33	Engutoto Boma	
PR3R	Kungur	
PR4R	Vlasy	
PR52	Alailelai Boma	
PR53	Nayobi Boma	
PR5R	Perm'	
PR61	Kiloki Boma	
PR62	Oldupai Boma	
PR63	Meshili Boma	
PR6R	Ekimyata	
PR7R	Sarany	
PRA	Prague	
PRAC	Prado	
PRAF	Pradon	
PRAM	Casa Patricio Ramon - Quito	
PRAR	RASCA	
PRAV	El Prado	
PRC	Point Reyes	
PRCH	Ribeira Ch	
PRCM	Roach Canyon	
PRD	Provadia	
PRDA	Priddis	
PRE	Pretoria	
PRE2	Preveza	
PRED	Cave del Predil	
PREO1	Preonzo, Alpe di Roscioro, Stable 1, TI	
PREO2	Preonzo, Alpe di Roscioro, Unstable, TI	
PREO3	Preonzo, Alpe di Roscioro, Stable 2, TI	
PREO4	Preonzo, Alpe di Roscera stable 3, TI	
PREO5	Alpe di Rosciora stable-part 5, Preonzo, TI	
PREZ	Palmer Road	
PRF	Porvoo	
PRF0	Thessaloniki Prefecture D.H.	
PRF1	Thessaloniki Prefecture	
PRF2	Region of Thessaloniki	
PRG	Perugia	
PRGA	Parga	
PRGF	Pas du Roy	
PRGL	Pergola	
PRGR	Permogore	
PRGV	PARIAGUAN	
PRGZ	Paritu Road	
PRHZ	Porangahau	
PRI	Priest	
PRIB2	Ribeirinha	
PRIC	Primda	
PRIG	Ribeira Grande	
PRIJ	Prijedor	
PRIMX	San Gabriel, PRI	
PRIN	Princeton	
PR-IS	Palmyra Island	
PRJ	Port Royal	
PRK	Paraskevi	
PRL	Portalegre	
PRLK	Prince Lake	
PRLS	Pirkuli	
PRM	Parsons Mountain	
PRMA	PARMA	
PRMD	Pramanda	
PRN	Pahroc Range	
PRNI	Paran	
PRNN	Paranan	
PRNS	Prines Rethymno	
PRNT	Paranatinga-MT	
PRNY	Paleo Inst,Ithaca	
PRO	Pesaro	
PROD	Prodromos	
PROF	Poudrerie royale de Saint-Chamas	
PROG	El Progreso, Chiriqui	
PROQ	S£o Roque	
PROV	Provideniya	
PRP	Porcupine Dome	
PRPB	Parauapebas	
PRR	Perris	
PRRZ	Plateau Road	
PRS	Paraiso	
PRS1	Puriscal	
PRS2	Peris	
PRSB	Persembe-Ordu	
PRSC		
PRSN	Puerto Rico Seismic Network	
PRST	Prospect	
PRT	Prato-Toscana	
PRT2	PRT2	
PRTR	Priterechnaya	
PRTV	Porterville,Western Cape	
PRU	Pruhonice	
PRV	Porvoo	
PRVC	Isla de Providencia	
PRVG	Vayda Guba	
PRVR	Provideniya	
PRVS	Prvonek	
PRW	Prosser	
PRWZ	Pori Road	
PRY	Parys	
PRYA	Perryville	
PRYF	Perigny	
PRYS	Parys	
PRZ	Przheval'sk	
PRZA	Preza	
PRZK	Prizren	
PS009	PESCO SANNITA	
PS01	TAPS Pump Stn	
PS04	TAPS Pump Stn4	
PS05	TAPS Pump Stn5	
PS06	TAPS Pump Stn6	
PS07	TAPS Pump Stn7	
PS08	TAPS Pump Stn8	
PS09	TAPS Pump Stn9	
PS1	Pesaro	PRO
PS10	TAPS Pump St10	
PS11	TAPS Pump St11	
PS12	TAPS Pump St12	
PS1A	Pavlof South-1A	
PS4	Pavlof South-4	
PS4A	Pavlof South-4A	
PSA	Petersburg	
PSA00	Pilbara Seismic Array Element 00	
PSA1	Psathopyrgos	
PSAA1	Pilbara Seismic Array Element A1	
PSAA2	Pilbara Seismic Array Element A2	
PSAA3	Pilbara Seismic Array Element A3	
PSAB1	Pilbara Seismic Array Element B1	
PSAB2	Pilbara Seismic Array Element B2	
PSAB3	Pilbara Seismic Array Element B3	
PSAC1	Pilbara Seismic Array Element C1	
PSAC2	Pilbara Seismic Array Element C2	
PSAC3	Pilbara Seismic Array Element C3	
PSAD1	Pilbara Seismic Array Element D1	
PSAD2	Pilbara Seismic Array Element D2	
PSAD3	Pilbara Seismic Array Element D3	
PSAL	Palomas, Salto - UY	
PSAM	San Ardo	
PSAN	Santo Antonio	
PSANT	Santarm	
PSAR	Psari	
PSARD	Sardoal	
PSARO	Psaromita, Dorida	
PSB1	Pescosannita	
PSBA	Serra de Santa Barbara	
PSBE	So Bento	
PSBMU	Warwick Parish	
PSC	Isla de Pascua	
PSCH	Puerto Saavedra	
PSCM	Serra do Cume	
PSD	Pescadero	
PSDA	Pessada-Kefalonia	
PSDB	Penn State University - DuBois	
PSDMA	Soufriere	
PSDMB	Cotton Hill	
PSDMZ	Portsmouth	
PSEM	See Canyon	
PSET	Sete Cidades	
PSETU	Setºbal	
PSF	Port Stanley	
PSG	Pto de San Jose	
PSG2	Pto San Jose 2	
PSGC	Pisagua	
PSGCX	Pisagua	
PSGH	Port of Spain General Hospital	
PSH	Peshawar	
PSHM	Shandon	
PSI	Prapat	
PSIM	Granatula de Calatrava, Ciudad Real	
PSINE	Sines	
PSK	Pskem	
PSL	Pistoia	
PSM	Palmasola	
PSMA	Santa Maria	
PSMM	Smith Mountain	
PSMN	Pico do Norte, Sta. Barbara	
PSN	Preselentsi	
PSNL	Port of Spain National Library	
PSNM	Stone Corral	
PSNS	PSNS Bremerton SMO	
PSO	Pasto	
PSOM3	Paja de Sombrero, Chiriqui	
PSP	Palm Springs	
PSQC	Port of Spain Queen's Royal College	
PSR	Paul Sauer Dam	
PSRA	Psara	
PSRC	Puddingstone Reservoir	
PSRM	Scobie Ranch	
PSRV	Vialonga--Serves	
PSSC	Serra do Socorro	
PST	Pasture Canyon	
PST3	Postiglione	
PSTA	Pistoia Genio Civile	
PSTM	Stockdale Mountain	
PSTO	Pasto	
PSTR	Posyet	
PSUB	Penn St. - Brandywine Campus	
PSUR	Point Sur Hydrophone	
PSUT	Pine Spring	
PSV	Pishtovo	
PSVI	Cabo S. Vicente	
PSVT	Puntarenas	
PSWB	Penn State Wilkes-Barre	
PSZ	Piszkesteto	
PSZI1	Piszkesteto infrasound array 1	
PSZI2	Piszkesteto infrasound array 2	
PSZI3	Piszkesteto infrasound array 3	
PSZI4	Piszkesteto infrasound array 4	
PT-	Pendleton	PT-OR
PT01	Morro Solar	
PT02	Quilmana	
PT03	Guadalupe	
PT04	Zamaca	
PT05	Jicamarca	
PT06	Pisco	
PT08	Suche	
PT09	Santa Fe	
PT10	Camacho	
PT11	Juni	
PT18	Porculla	
PT2	Point Dume	
PT20	Maychil	
PT21	Montanita	
PTA	Punta Arenas	
PTAC	Punta Ardita, Choc	
PTAM	Tassajara Creek	
PTAR3	Potrerillos Arriba, Chiriqui	
PTAV	Tavira	
PTB	Point Barrow	

Code	Station Name	Other
PTBC	PUERTO BERRIO, Antioquia	
PTC	Porto Cannone	
PTCA	Ponta do Capelo	
PTCC	Patocco-Chiusaforte	
PTCH	Petorca	
PTCL	Port Clarence	
PTCN	Pitcairn Island	
PTCO	Port Colborne	
PTCR	Potenciana	
PTCY	PUERTO CAYO	
PTD	Portland	
PTDI	Pataudi	
PTE	Portage	
PTEI	Pico do Teixo	
PTEN	Parque Tenorio	
PTEO	Sao Teotonio	
PTET	Porto Estrela	
PTF	Prato	
PTG	Portageville	
PTGA	Pitinga	
PTGB	Pitanga	
PTGC	Puerto Gaitan, Meta	
PTGL	Punta Galera	
PTH	Pithoragarh	
PTI	Pocatello Creek	
PTJ	Puntijarka	
PTJ1	Puerto Jimnez	
PTK	Pertek	
PTKI	Pontianak	
PTL	Penteli	
PTLB	Pontes e Lacerda, MT	
PTLC	Puerto Leguizamo, Putumayo	
PTM	Pietermaritzburg	
PTMB	Porto Murtinho	
PTMD	Pantelleria Cuddia di Mida	
PTMZ	Houxiangcun	
PTN	Potsdam (NY)	
PTNS	Petnica	
PTNY	Frank Revetta Observatory, Potsdam, NY	
PTO	Porto	
PTO1	PtolemaidA	
PTOM	Tomar	
PTOPO	Topo S. Jorge	
PT-OR	Pendleton	
PTP	Ponta Puerca	
PTP1	Petroterminal	
PTPK	Patty Peak	
PTPM	Petroterminales	
PTPR	Partapura	
PTPS	Port Pirie	
PTQR	Pietraquaria	
PTR	Peterson	
PTRD	Partlow Road	
PTRF	Port Renfrew	
PTRJ	Pietraroja	
PTRM	Twissleman Ranch	
PTRP	Pietrapertosa	
PTS	Pantelleria	
PTSB	Yuanli	
PTT	Piatra Neamt	
PTTC	Pingtan	
PTU	Portage	
PTV	Peach Tree Valley	
PTVM	Pico Tres Padres	
PTVN	Union City, PTVM	
PTYM	Taylor Ranch	TRC
PTZ	Petauke	
PU-	Purvis	PU-MS
PU01	PU01	
PU02	PU02	
PU03	PU03	
PU04	PU04	
PU05	PU05	
PU06	PU06	
PU07	PU07	
PUAC	Puerto Asis, Putumayo	
PUB	Puale Bay	
PUC	Pucallpa	
PUCA	Punta Cana	
PUCAC	Catalina, PUCA	
PUCM	Santiago	
PUCR	Pucara	
PUDO	PUDO	
PUE	Puebla	
PUEL	Puelo Alto	
PUEM	Granja Avicola del Valle, Pronaca, San Luis, Puembo, Quito, Ecuador	
PUEX	Pudahuel	
PUF	PUOLANKA	
PUGE		
PUH	Pauahi	
PUJ	Puerto Jimenez	
PUJE	Puerto Jesus Guanacaste	
PUK	Puka	
PUL	Pulkovo	
PULI	Pulasari	
PULU	Pululahua	
PUMA	Malargue	
PU-MS	Purvis	
PUN	Puno	
PUNE	Pune	
PUNG	Punghina	
PUNV	PUNV	
PUP	Pupakea	
PUR	Purari	
PURC	Volcan Purace	
PURM	Purcari	
PUS	Pusan	
PUSN	Pusma	
PUT	Punta Talca	
PUTN	Putnam	
PUU	Piute Reservoir	
PUV	Pulaski	
PUVA	Puert Vallarta	
PUYE	Entre Lagos	
PUYF	Puyloubier	
PUYI		
PUYO	Puyo, Santa Rosa	
PUZ	Puketiti	
PV-	Perryville	PV-AR
PV01	Paradox Valley	
PV02	Paradox Valley	
PV03	Paradox Valley	
PV04	Paradox Valley	
PV05	Paradox Valley	
PV06	Paradox Valley	
PV07	Paradox Valley	
PV08	Paradox Valley	
PV09	Paradox Valley	
PV10	Paradox Valley	
PV11	David Mesa, Paradox Valley	
PV12	Saucer Basin, Paradox Valley	
PV13	Radium Mtn., Paradox Valley	
PV14	Lion Creek, Paradox Valley	
PV15	Paradox Valley	
PV16	Nyswonger Mesa	
PV17	East Wray Mesa	
PV18	Skein Mesa, Paradox Valley	
PV19	Morning Glory Mine	
PV20	West Nyswonger Mesa	
PV21	Cone Mtn., Paradox Valley	
PV22	Blue Mesa, Paradox Valley	
PV23	Carpenter Ridge	
PV6*	Piano Vulcano	
PVAQ	Vaqueiros	
PV-AR	Perryville	
PVC	Port Vila	
PVCC	Panska Ves	
PVCM	Vineyard Canyon	
PVCP	Virac	
PVDR	Provideniya	
PVER	Pico Vermelho	
PVERD	Verdizela	
PVF	Pernaja	
PVFX	Vila Franca de Xira	
PVIA	Vitoria	
PVID3	Puerto Vidal, Veraguas	
PVIL	Puerto Villamil, Aeropuerto	
PVIS	Viseu	
PVK	Pavook Mountain	
PVL	Pavlikeni	
PVLZ	Pen@16o@15n de Ve@15lez	
PVM	Polavaram	
PVMO	Portageville	
PVN	Peters Valley	
PVNV	Vila Nova	
PVO	Paravola	
PVP	Pueblo Viejo	
PVPS	Palos Verdes	
PVR	Palos Verdes	
PVRC	Palos Verdes	
PVRL	Vila Real	
PVV	Pavlof Volcano	
PVY	Plav	
PW-	Pontiac	PW-IL
PWA	Palmer West	
PWAL	Palwal	
PWET	AfricaArray - AF	
PWH	Poliokeawe Pali	
PW-IL	Pontiac	
PWJI	Pagerwojo	
PWKM	Work Ranch	WKR
PWL	Port Wells	
PWLA	Pickwick Lake	
PWM	Pinawa	
PWMM	Westland Maintenance Station	
PWP	Barrio Florida	
PWS	Pulau-Weh	
PWTG	Paul Wright Trailer	
PWV	Princeton	
PWZ	Pawanui	
PX-	Philippi	PX-WV
PX02	IPOC Station PX02	
PX03	IPOC Station PX03	
PX05	IPOC Station PX05	
PXO	Oaxaca	
PX-WV	Philippi	
PXZ	Pawanui	
PY-	Payson	PY-AZ
PYA	Pyatigorsk	
PYA1	Pyatigorsk	
PYAG	Pyongyang	
PY-AZ	Payson	
PYCA	Myeonon	
PYF	Esparros	EPF
PYL	PYLOS	
PYL1	Pylos	
PYLO	Lourdes	
PYM	Petit Puy Manson	
PYN	Poneloya	
PYO	Pyongyang	
PYR	Pyramid	
PYR2	Pyrgos	
PYR3	PYRGOS	
PYRG	Pyrgos, Dorida, Greece	
PYRM	Roes	
PYS	Pyongsong	
PYT	Playitas	
PYTK	Pyeongtaek	
PYTN	Playitas	
PYUN	Piuthan	
PYZ	Puysegur Point	
PZ-	Ponce	PZ-PR
PZAR	Pazar-Rize	
PZC	Pizona Creek	
PZCI	Patelzick Creek	
PZF	Pozza Ferrara, Ferrara di Monte Baldo (VR)	
PZH	PanZhiHua	
PZHG	Pozheg	
PZI	Palazzolo	
PZIN	Pantelleria	
PZ-PR	Ponce	
PZUN	Potenza	
PZX	Poza Rica	
PZZ	Stroppo	
PZZT	Monte Pizzetto	
Q03C	Winters	
Q04C	Lincoln	
Q07A	Schurz	
Q08A	Gabbs	
Q09A	Carvers	
Q10A	Clear Creek Ranch, Tonopah	
Q11A	Duckwater	
Q12A	Willow Creek Ranch, Ely	
Q13A	Wheeler Ranch, Garrison	
Q14A	Sevier Lake (BLM), Delta	
Q15A	Fillmore	
Q16A	Castle Valley Ranch, Emery	
Q16K	King Salmon	
Q17K	Contact Creek Katmai	
Q18A	Rafter H Ranch, Green River	
Q18K	Katmai Hardscrabble Creek	
Q19A	Hogan Spring (BLM), Cisco	
Q19K	Cape Douglas, AK	
Q20A	Ridgley Place, Grand Junction	
Q20K	Shuyak Island	
Q21A	Lamborn Mesa, Paonia	
Q22A	Crested Butte, Gunnison	
Q23A	Hartsel	
Q23K	Middleton Island	
Q24A	Divide	
Q25A	Bedland, Calhan	
Q26A	Hugo	
Q28A	Sharon Springs	
Q29A	Oakley	
Q30A	Quinter	
Q31A	Ellis	
Q32A	Meitler Ranch, Lucas	
Q32M	Nakina River	
Q33A	Connelly Farm, Tescott	
Q34A	Chapman	
Q35A	Mercer Eighty, Eskridge	
Q36A	Arnold C. Orvedal, Lecompton	
Q37A	Longview Farm, Lees Summit	
Q38A	Cooks Store, Concordia	
Q39A	Willow Grove Farm, Nelson	
Q40A	Laux Farm, Auxvasse	
Q41A	Truxton	
Q42A	Golden Eagle	
Q43A	New Douglas	
Q44A	Meyer Farm, Vandalia	
Q45A	Warren Harvey, Newton	
Q46A	CEJHS Indians, Carlisle	
Q47A	Bedord North Lawrence Stars, Bedford	
Q48A	North Vernon	
Q49A	Aurora	
Q50A	Georgetown	
Q51A	Peebles	
Q52A	Bidwell	
Q53A	Leroy	
Q54A	Coxs Mills	
Q55A	Buckhannon	
Q56A	Snyder Ridge, Maysville	
Q57A	Strasburg	
Q58A	Fox Den Farm, The Plains	
Q59A	Harwood	
Q60A	Greensboro	
Q61A	Milford	
QABG	Abgarm-Qazvin	
QAD	Quadrado	
QAL	Quail Lake	
QALM	Alamut, Qazvin	
QALY	DHOFAR2 - YR	
QAM	Ghamsar	
QAMS	Qamsar	
QARU	Seremai	
QARV	Quebrada Arriba	
QASM	Qassim	
QASN	Qassioun	
QATE	Kobo Hara	
QAW	Queen Anne	
QBC	Quebec	
QBL	Gabala	
QBNZ	Buin Zahra, Qazvin	
QBPR	Quebradillas	
QC-	Queen Creek	
QCC	Queen Charlotte	
QCI	Quattro Castella	
QCL	Quebec	QBC
QCNT	Qazvin	
QCP	Quezon City	
QCQ	Quebec	QBC
QCR	Quepos	
QCR1	Quepos	
QCS	Queen City Summit	
QEG00	Eglisau, Reservoir Grafenholz, ZH	
QEG01	Stadel, Weggabelung Kl. Forstamt, Aemperg, ZH	
QEG02	Wil, Freihalteflche Egissen, ZH	
QEN		
QEPB	Queen Elizabeth Park	
QF17	Paredones	
QHRO	Qairoon Hariti	
QHW	Quartz Hill	
QIB	Qibla Bandi	
QIL1	Quilotoa	
QIL2	Quilotoa	
QILN	Qililugaq Exploration Camp	
QIND	QUININDE	
QIR1	Qir	
QIS	Mount Isa	
QIT2	Quititos 2	
QITI	Quititos	
QIZ	Qiongzhong	
QJF1	Jafarie	
QKP	Cucapa	
QLABS	Al Qalibar	
QLLN	Quello@15n	
QLMT	Earthquake Lake	
QLNO	Quiliano	
QLNY	Queensboro Lake	
QLP	Quilpie	
QMB	Queensbury	
QMBU	Quimbuelo	
QM-NV	Quartzite Mountain	
QMO	Quartz Mountain	
QN-	Quesnel	QN-BC
QN-BC	Quesnel	
QNF01	Al Qunfudhah	
QNF02	Al Qunfudhah	
QNFDS	Al Qunfudhah	
QNG1	Qangwa	
QNGWA	Qangwa	
QNR	Quinn River	
QPS	Quepos	
QPSR	Quepos	
QRD	Qoradiz	
QRDG	Quail Ridge Natural Reserve, California	
QREAT	Al Qurrayyat	
QRHJ		
QRI	Quarto	
QRN	Al-Qurain	
QRNJ	Al-Qirein	
QRS1	Rashteghoun_ Qazvin	
QRV	Quinn River Valley	
QRWL	Qaraoun	
QRZ	Quartz Range	
QSAR	Qusar	
QSB	Qsaybeh	
QSDN	Sirdan	
QSH	Qafa e Shtames	
QSM	Queen of Sheba Mine	
QSMS	Sumairaa	
QSPA	South Pole Quiet Zone Earth Science Observatory	
QSR	Quien Sabe Ranch	
QTA	Quetta	
QTBJ	Casr Tuba	CSTJ
QTFJ	Qatafi	
QTN	Queenstown	
QTO	Quito	
QTOE	Estacion Edusismo	
QTRJ	Qatrana	
QUA	Quabbin	
QUA2	Belchertown	
QUAI	Quairading	
QUAR	Qualls	
QUB	Quba	
QUBA	Quba, Azerbaijan	
QUCH	Quchan	
QUE	Quetta	
QUEG	Quebrada Grande	
QUEM	Puengasi	
QUES	Loma Quita	
QUET	Quetta	
QUETC	Quetame, Cundinamarca	
QUEV	Quevedo	
QUEZ	Alcaldia de Quezaltepeque	
QUI	Quito	
QUIB	Administracin Zonal Quitumbe - Quito	
QUIF	Quistinic	
QUIG	Queretaro	
QUIL	Quilotoa	
QUIN	Quiabu	
QUINZ	Quinzano d'Oglio BS	
QUL	Quillagua	
QUM	Quillmana	
QUND	Qund	
QUOK	Quay	
QUR	Rumipamba	
QURS	Qurayyt al Milh	
QURY	Yakoun River	
QUT	Tumbaco	
QUTE	Municipio Quitumbe	
QUTJ	Qutrana	
QVP	Quezon City--PHIVOLCS	
QVPH	Quezon City--PHIVOLCS	
QYSM	Um Kedad	
QZA	Quezalapa	
QZG	Quezaltepeque	
QZH	Quanzhou	
QZN	Quanzhou	QZH
QZO	Quartz Mountain State Park	
QZX	Qazax, Azerbaijan	
R04C	Big Horse Ranch, Ione	
R05C	Kirkwood Meadows Resort, Kirkwood	
R06C	Coleville	
R07C	Lee Vining	
R08A	Mina	
R09A	Tonopah	
R10A	Warm Springs	
R11A	Troy Canyon, Currant	
R11B	Troy Canyon, Currant	
R12A	Pony Springs, Pioche	
R13A	O'Grain Ranch, Modena	
R14A	James Farms, Milford	
R15A	Junction	
R15V		
R16A	Teasdale	
R16K	Pilot Point	
R17A	Hanksville Airport, Hanksville	
R17K	Ugashik Creek	
R17L	Mt. Peulik Volcano	
R18A	Canyonlands National Park, Moab	
R18K	Karluk	
R19A	Curley Farm, La Sal	
R20A	Redvale	
R21A	Cimarron	
R22A	Saguache, Gunnison	
R23A	Moffat	
R24A	Sanders Place, Florence	
R25A	Fountain Ranch, Boone	
R26A	Arlington	
R27A	Eads	
R28A	Tribune	
R29A	Marienthal	
R30A	Dighton	
R31A	Burdett	
R31K	City Hall, Gustavus	
R32A	Long Quarter, Great Bend	
R32K	Eaglecrest	
R33A	Olander Ranch, Little River	
R33M	Jennings River	
R34A	Isabella, Hillsboro	
R35A	Emporia Municipal Airport, Emporia	
R36A	Gordon, Harris	
R37A	Teagarden Farms, La Cygne	
R38A	Fenwick Farm, Montrose	
R39A	Chumby, Stover	

Code	Station Name	Other
R40A	Maddies Station, St. Elizabeth	
R41A	Rosebud	
R42A	Luebbering	
R43A	Red Bud	
R44A	Waltonville	
R45A	Skylar, Fairfield	
R46A	Gibon Southern Titans, Haubstabt	
R47A	Wooly Knot Farm, English	
R48A	Northridge Ranch, Floyd Knobs	
R49A	Shelbyville	
R50A	Paris	
R51A	Hillsboro	
R52A	Catlettsburg	
R53A	Hurricane	
R54A	Victor	
R55A	Marlinton	
R55E0	Keizer	
R56A	Bull Pasture Mountain, McDowell	
R57A	Stanardsville	
R58A	Rapidan	
R58B	Mineral	
R59A	King George, VA	
R60A	Leonardtown, MD	
R61A	Willards	
RA01	Rhonegletscher, RA01, VS	
RA02	Rhonegletscher, RA02, VS	
RA03	Rhonegletscher, RA03, VS	
RA04	Rhonegletscher, RA04, VS	
RA05	Rhonegletscher, RA05, VS	
RA06	Rhonegletscher, RA06, VS	
RA07	Rhonegletscher, RA07, VS	
RA08	Rhonegletscher, RA08, VS	
RA09	Rhonegletscher, RA09, VS	
RA10	Rhonegletscher, RA10, VS	
RA11	Rhonegletscher, RA11, VS	
RA12	Rhonegletscher, RA12, VS	
RA13	Rhonegletscher, RA13, VS	
RA14	Rhonegletscher, RA14, VS	
RA41	Rhonegletscher, west of Gross Furkahorn, VS	
RA42	Rhonegletscher, north of the glacier lake, VS	
RA43	Rhonegletscher, north of the glacier lake, VS	
RA51	Rhonegletscher, Obergoms, Schweiz	
RA52	Rhonegletscher, Obergoms, Schweiz	
RA53	Rhonegletscher, Obergoms, Schweiz	
RAB	Rabaul	
RABC	Rab	
RABH	Abou Rabah	
RABL	Rabaul	
RAC	Raciborz	
RAC02	Cali,SGC	
RACA	Rancho agua Caliente	
RACZ	Rakaia	
RADA	Ahram - Rada'a city Al-Baydha Gov. - Yemen	
RADR	Rader Ridge	
RAEZ	Rainy Point	
RAF	Rauma	
RAFA	San Farael, Volcan Turrialba, Cartago	
RAFF	Raffo Rosso	
RAFI	Al-Rafai	
RAFT	RAFT	
RAG	Roghun	
RAGC	San Jose, RAG	
RAGD	RAYAGADA	
RAGM	Ragged Mountain	
RAGZ	Rawiri	
RAHO	DHOFAR2 - YR	
RAHZ	Arahi	
RAI	Raspberry Island	
RAIO	Rainier	
RAJA	Rajamunda Odisha,India	
RAJF	Raja-Jooseppi	
RAK	Rakhov	
RAKU	Rahkiv	
RAL	Rabalanakaia	
RALT	Raleigh	
RAM	Raman	
RAMA	Ramapo Mountain	
RAMI	RAMI	
RAMN	Ramite	
RAMO	San Ramon	
RAMR	Ramage Ranch	
RAMW	Rammel Mountain	
RAN	Rangoon	
RANB	Rancho Bola	
RANC	El Ranchito	
RANF	Ranua	
RANI	Rangndo	
RANK	Rankasinga Odisha,India	
RAO	Raoul Island	
RAP	Rapindik	
RAR	Rarotonga	
RAR01	Raron, Gemeindekanzlei, VS	
RAR02	Raron, Airdrome, VS	
RASA	Rasa	
RAST	Rastdorf	
RAT	Rat Island	
RATI	Rata	
RATT	Rattlesnake Lake	
RATU	Laukkuluspa	
RATZ	Rangitukua	
RAUL	RAUL	
RAUS	Rausandaksla	
RAV	Ravensburg	
RAVA	Ravarino	
RAVT	Ravensthorpe	
RAW	Raver	
RAW1	Lenk, BE	
RAW2	Sanetsch, VS	
RAW3	Les Diablerets, Reservoir des Cretes, VD	
RAW4	Former Reservoir Mayens-de-Chamoson, VS	
RAWNZ	Rawhiti Farm	
RAY	Raywood Flat	
RAYA	Raymond Alberta	
RAYN	Ar Rayn	
RAZAM	Belene	
RAZG	Razgrad	
RAZU	San Marcos de Tarrazu	
RBA	Rabat	
RBAR	Bucharest-INCERC-Test Bldg	
RBC	Rio Blanco	
RBDL	Robledal	
RBEN	Benson Hill Elementary School	
RBH	Right Bank House--Pihur	
RBK	Rabkut	
RBL	Raibl	
RBN	Rybnik	
RBNC	Richland Balsam	
RBO	Rocky Butte	
RBSH	Rongbusi, Xizang Zizhiqu	
RBSI	Rajabasa	
RBU	Red Butte Canyon	
RBY	Rainbow Mountain	
RBZ	Rabat Zaers	
RC01	Rabbit Creek Array Site 1	
RC1	Royal City	
RC14	Nage Dongri, Xizang Zizhiqu	
RCAV	Rocca di Cave	
RCBR	Riachuelo	
RCC	Rio Carpintero	
RCCR	Rock Creek Canyon	
RCD	Rapid City	
RCDM	Rinconada Maipu	
RCET	Spring Hill	
RCG	Rock City	
RCH	Reche Mountain	
RCHB	Rochefort	
RCI	Reggio Calabria	
RCJ	Ross Creek	
RCL	Mte Valcellina	
RCLA	Racherla	
RCLB	Rio Claro- Sao Paulo-Brazil	
RCM	Mount Rainier--Camp Muir	
RCO	Red Cone	
RCON	San Juan de Rio Coco, Nicaragua	
RCP	Roxas	
RCP2	Recreation Park	
RCR	Cape Wrath	
RCRC	Randolf College Riding Center, Lynchburg	
RCS	Mount Rainier--Camp Schurman	
RCT	Riceville	
RCTC	Rector, Farmersville	
RCU	Reggio Calabria Universita	
RCW	Richland	
RCWM	Renegade Canyon West	
RCY	Rachaya	
RD01	Burlington	
RD02	Waterdown	
RD03	Mount Hope	
RD04	Stoney Creek	
RDC	Rolduc	
RDCC	La Rosa de Castilla, RDC	
RDDR	Redoubt East 2	
RDE	Redoubt Vol. East	
RDEA	Red Earth Creek	
RDF	Al-Radifah	
RDG	Rabinal	
RDG13	Poverty Ridge 1, Station 3	
RDI1	Rhodes Town Hall	
RDJ	Rio de Janeiro	
RDJH	Redoubt Jeurgen	
RDLO	Red Lake	
RDLQ	Riviere-du-Loop	
RDM	Round Mountain	
RDM3	Ruvo Del Monte	
RDMU	Red Mountain	
RDN	Redoubt North	
RDO	Rodhopi	
RDOG	Red Dog Mine	
RDP	Rocca di Papa	
RDS	Siegrist	
RDSO	Redoubt South	
RDSS	Rosedale State School	
RDST	Rhodes College	
RDT	Redoubt	
RDW	Redoubt West	
RDWB	Redoubt West	
RDWR	Rand Water	
RDX	Rancho Dawling	
RE02	Canossa - RE	
RE03	Vedriano (Canossa) - RE	
RE04	Sedrio (Vezzano sul Crostolo) - RE	
RE05	Terme di Santa Lucia (Busana) - RE	
RE06	Pratopiano (Palanzano) - PR	
RE07	Pizzano Val di Parma - PR	
RE08	Castello di San Valentino (Castellarano) - RE	
RE1	Mte Valcellina	RCL
REAC	Reactor, Bogot	
REAL	Reales	
REB	Eisghbrachaidh	
REC	Recreo	
RECRC	Villamaria, Caldas	
RECU	Ecuador Network	VC1
RED	Redoubt Volcano	
REDH	Redhead, NSW Australia	
REDP	Redondo Peak	
REDR	Restauracion	
REDW	Red Top Meadow	
REDWA	Red Mountain	
REF	Redoubt East Flank	
REF1	Hacienda Santa Mara ref	
REFA	Refahiye_ERZNCAN	
REG	Rock Eagle	
REG*	Regar	RGR
REHS	Christchurch	
REI	Reidovoe	
REKY	Reed	
REL	Relizane	
RELT	Roellen	
REM	Remote	
REME3	Remedios, Chiriqui	
REMR	Mount Rainier--Emerald Ridge	
REMW	Rembrandt	
REMY	Saint-Rhmy-en-Bosses	
REN	Reno	
RENF	Rennes	
REPA	Paraso	
RER	Riviere de l'Est	
RES	Resolute Bay	
RESF	Ens	
RESI	Resinera	
RESU	Resuttano	
RET1	Porto Nacional, TO, Brazil	
RET10	Pium - TO	
RET11	Monte do Carmo - TO	
RET12	Mateiros - TO	
RET13	S. Felix do Tocantins -TO	
RET14	Novo Acordo - TO	
RET2	Formoso do Araguaia, TO, Brazil	
RET3	Cariri, TO, Brazil	
RET4	Sucupira, TO, Brazil	
RET5	Paranan- TO	
RET6	Dianopolis -TO	
RET8	So Miguel do Araguaia, GO, Brazil	
RET9	Novo Planalto, GO, Brazil	
RETA	Reutte	
RETH	Rethem/Aller, Germany	
RETHO	Rethem	
RETU	Refugio	
REU	Reunion Island	
REUL	Reutlingen	
REUS	Reus	
REUT	Washington Fields	
REVE	Rev-Rev Volc	
REVF	Revere	
REVI	Revivim	
REVN	San Rafael	
REVS	Reventador Sur	
REW	REWA	
REX	Rexburg	
REY	Reykjavik	
REYF	Montagne du Rey	
REYT	Reyhanli	
RFA	San Rafael	
RFDD	Rafsanjan	
RFHT	Rives	
RFI	Roccamonfina	
RFM	Reservoir Flats	
RFO	Forsnaval	
RFSB	Richmond Field	
RFT1	Sazli	
RFT2	Karaagac	
RFT3	Cesme	
RFT4	Karaburun	
RFT5	Foca	
RFT6	Fevzi Cakmak	
RFT7	Candarli	
RFT8	Kiratli	
RFTA	Plano	
RFTAA	Mazikoy-Bodrum	
RFTB	Kemer-Bodrum	
RFTC	Emecik-Datca	
RFTD	Palamutbuku-Kayakoy-Datca	
RFVM	Rio Frio	
RFYF	Reffroy	
RG-	Redig	RG-SD
RGA	Parga	
RGB	Rumangabo	
RGC	Rangely	
RGD	Ragged Mountain	
RGE1	Gennadi, Rhodes Island	
RGM0	Gandoca	
RGN	Rugen	
RGNG	Rignano Grg	
RGP	Ruby Glebe Property	
RGR	Regar	
RGRI	Rengat	
RGRS	Roger Stewart	
RGS	Rognes	
RGSC	La Regadera-Sumapaz	
RG-SD	Redig	
RGZ	Rangipo	
RHA	Reichold	
RHAM	Hammer	
RHAN	Hatay/Reyhanl	
RHAZ	Hazelwood Elementary School	
RHC	Rose Hills Cemetery, Whittier	
RHD	Arkhangelos	ARG
RHJ	Red Hills	
RHK1	Bakonya	
RHK2	Bata	
RHK3	Tenkes	
RHK5	Tyukosdulo	
RHM	Rio Hardy	
RH-NV	Rawhide Mountain	
RHO	Rhodes	
RHP	Rhoboro Hills	
RHT	Red Hill	
RHT01	RHT01	
RHT02	RHT02	
RHT03	RHT03	
RHT04	RHT04	
RHT05	RHT05	
RHT06	RHT06	
RHT07	RHT07	
RHT08	RHT08	
RHT09	RHT09	
RHT10	RHT10	
RHT11	RHT11	
RHT13	RHT13	
RHT14	RHT14	
RHT15	RHT15	
RHT16	RHT16	
RHT17	RHT17	
RHT18	RHT18	
RHT19	RHT19	
RHT20	RHT20	
RHU	Roosevelt Hot Springs	
RHWAS	RHWAS	
RHX	Rio Hardy	
RIA	Ribeira da Areia	
RIA0	Ribeira da Areia	RIA
RIB	Ribeirinha	
RIB01	Linhares ES	
RIB2	Ribeirinha	
RIBE	Ribeira	
RIBO	Ribolla Roccastrada	
RIC	Richmond	
RIC12	RICCIA	
RICC	Richard	
RICH	Rich Mountain	
RICI	Ricice	
RIDG	Independent Ridge	
RIEH2	Riehen 2 (BS)	
RIEM	Rieti Museo	
RIEP	Rieti Provincia	
RIFB	Rifaina	
RIFO	Rio Frio, Sarapiqui, Heredia	
RIGQ	Rigaud	
RIGT	Kenton	
RIGZ	Rimuhau	
RII	Riito	
RIM	Rim	
RIMA	Rio Macho	
RIMQ	Rimouski	
RI-MS	Richton	
RIN	Volcan Rincon	
RIN2	Volcan Rincon	
RIN3	Volcan Rincon	
RIO	Rio Grant	
RIOA	Rio	
RIOB	Rio Branco	
RIOE	Riobamba	
RIOE1	Riobamba	
RIOS	Rincon, Osa	
RIOV	Rio Grande	
RIRI	Parque Rincon de la Vieja	
RISI	Rein	
RITA	Parrita	
RITO	Finca Alexandra	
RITOM	Lago Ritom (SBB)	
RITX	Riito Sonora	
RITZ	Rihia Road	
RIU	Riou	
RIV	Riverview	
RIVEL	MONT RIVEL	
RIVT	Riveris	
RIY	Rijeka	
RIZ	Raoul Island	
RIZA	Riza	
RJF	Les Rejaudoux	
RJOB	Jochberg	
RK-	Red Lake	RK-ON
RK1	Rhampton Hrock	
RK1H	Rockhampton Hard Rock	
RK2	Rhampton Srock	
RK2S	Rockhampton 2 Soft	
RKAV	Rock Avalanche	
RKG	Rocky Gully	
RKGY	Rocky Gully	
RKL1	Kallithies, Rhodes Isl.	
RKO	Rokko	
RK-ON	Red Lake	
RKPI	Ransiki, Papua	
RKS	Reko	
RKT	Rikitea	
RKT1	Kattavia Rhodes Isl.	
RKY	Sarkoy-Tekirdag	
RL-	Rib Lake	RL-WS
RLA	Relizane	
RLKO	Red Lake	
RLMT	Red Lodge	
RLN1	Lindos, Rhodes Isl.	
RLNB	Erlin	
RLO	Rose Lookout	
RLS	Riolos of Patras	
RLSP	Rockland Lake	
RLW	Rice Lake	
RL-WS	Rib Lake	
RM01	Lucoli (AQ)	
RM02	Colle Roio	
RM03	San Martino d'Ocre	
RM04	Rocca di Mezzo	
RM05	Colli (Barete)	
RM06	Scoppito	
RM07	Collebrencioni	
RM08	Filetto	
RM09	Piano di Cascina (Cagnano Amiterno)	
RM10	Cesaproba (Montereale)	
RM11	Collenoveri	
RM12	Casamaina	
RM13	Rovere (Rocca di Mezzo)	
RM14	Barisciano	
RM15	Castiglione (Tornimparte)	
RM16	Terranera (Rocca di Mezzo)	
RM18	Fano Adriatico	
RM20	Borbona	
RM21	Selvarotonda (Cittareale)	
RM22	Micigliano	
RM23	Viesci	
RM24	Colle Belvedere (Rocca di Mezzo)	
RM25	Mosicchio (Amatrice)	
RM26	Passo delle Capannelle	
RM27	Carapelle Calvisio	
RM28	Assergi	
RM29	Verrico (Montereale)	
RM30	Cerqua	
RM31	Accumuli	
RM32	Poggio Cancelli	
RM33	Pellescritta (Montereale)	
RMA	Rockefeller Mts	
RMAH	Rumah	
RMB	Rombauer	
RMBA	Raºl Marn Balmaceda	
RMBN	Ramban	
RMCR	Rio Macho	
RMF	Romuvaara	
RMG	Rome (USA)	
RMGF	Ravine Marchand	

Code	Station Name	Other
RMGR	Halanga-Turnu Severin	
RMI	Round Mountain	
RMI2	Roccaromana	
RMJ	Rumoi	
RMKL	Ramhormoz	
RMMM	Roma Monte Mario	
RMN	Mount Ramon	
RMNB	Reason Mountain	
RMNI	Mount Ramon	
RMNS	Romny	
RMO	Rochester (NY)	
RMOA	Moar Alm	
RMP	Rome, Mte Porzio	
RMQ	Roma	
RMR	Rimrock	
RMSF	Reims	
RMSR	Rmnicu Srat	
RMT	Round Mountain	
RMU	Rainbow Monument	
RMV	Ramnicu Valcea	
RMVG	GOVORA	
RMVT	Roma DPC Vitorchiano	
RMW	Rattlesnake Mountain	
RMX	La Rumorosa	
RN-	Rainelle	RN-WV
RNC	Little Raleigh	
RNCA	Ronca, Sant'Olcese (GE)	
RNCC	Cayo Roncador, Archipielago de San Andres, Providencia y Santa Catalina	
RND	Reindeer	
RNDA	Aranda	
RNEM	Rives	
RNF	Rovaniemi	
RNHA	Neuhaus	
RNI	Roncone	
RNI2	Rionero Sannitico	
RNO	Roman Nose	
RNON	Nonn-Bad Reichenhall	
RNPP1	Kostyukhnivka	
RNPP2	Kostyukhnivka	
RNPP5	Staryi Chortoryisik	
RNPP8	Varash	
RNPP9	Sopachiv	
RNTT	Ranong	
RN-WV	Rainelle	
RNYS	Ranyah	
ROA	Roan Cliffs	
ROB	Robourent	
ROBE	Robe	
ROBI	Boca de Chavon	
ROBS	Robic@19	
ROC	Rochester	
ROC1	El Roble	
ROCA	ROCAFUERTE 2	
ROCAM	Rodrigues Island Caves	
ROCE	Novi Di Modena	
ROCH	El Roble	
ROD	Rodman Mountain	
ROD3	Rodini, Patras, West Greece	
RODB	Rodos	
RODE	Road Camp	
RODG	Roetgen-Dahlheim	
RODI	Rodini	
RODM	Citronelle, Rodrigues Island	
RODP	Rodopos	
RODS	Rosario do Sul (Brazil)	
ROET	Hopewell	
ROF	Roppe	
ROG	Rognes	
ROG2	Rogliano	
ROH	Rohtak	
ROHR	Rohrbach	
ROI	Rossano	
ROIA	ROIAK	
ROKH	ROKH	
ROKL	Rocklands	
ROKM	Rocklands Reservoir	
ROKY	Rotten Point	
ROL	Rolla	
ROM	Rome	
ROM9	Roma	
ROMA	La Romaneta	
ROMAN	Romanshorn, Forsthaus, TG	
ROMN	Roman Lake	
RON	Remote	
RONA	Rosalia, Austria	
RONC	Roncone	
RONF	Ronchamp	
RONM	Roccetta Nervino	
ROOI	Rooidraai Farm, Aberdeen, Eastern Cape	
ROOS	tl_alroos	
ROPR	Rincon, Puerto Rico	
ROQE	Tereno de la Politecnica a San Roque, San Juan, Quito, Ecuador	
RORO	Rocca Rossa	
RORSS	Ber_school_1	
ROS	Roseneath	
ROSA	Rosais	
ROSB	Rosrio	
ROSC	El Rosal	
ROSF	Rostrenen	
ROSI	Rosskopf	
ROSL	ROSL	
ROSN	Rosenhof	
ROSPO	ADRIATIC SEA	
ROSS	Ross	
ROST	Santa Teresa, Rocha	
ROT	Rotorua	
ROTD	Rotterdam (NY)	
ROTE	Rottweil	
ROTHE	Rothenfluh	
ROTI	AfricaArray/PSU - ZP	
ROTM	Rocchetta Tanaro	
ROTT	Steinweiler	
ROTU	Roteberg	
ROTZ	Rotzenmuhle	
ROU	Rougiers	
ROUQ	Riviere-Ouelle	
ROVE	Rovereto Di Novi	
ROVR	Rover Veronese	
ROW	Rowesville	
ROWM	Rowsley	
ROX	Roxburgh	
ROYM	Rob Roy	
RPA	Roopena	
RPF	Rose Park Fire Station, Salt Lake City, UT	
RPIG	Rio Verde	
RPK	Roosevelt	
RPM	Rheinpreussen Mine	
RPN	Rapa Nui	
RPN1	Rhodes Hospital	
RPOR	Krasnaya Polyana	
RPR	Rampur	
RPRD	Ribas do Rio Pardo (Brazil)	
RPSI	Rantau Prapat	
RPT	Raluana Point	
RPV	Rancho Palos Verdes	
RPW	Rockport	
RPZ	Rata Peaks	
RQBS	RQBS	
RRD	Roosevelt Roads	
RREF	El Recreo	
RRH	Rhenigidale	
RRHS	Rochester High School	
RRI	Red Ridge	
RRI2	Red Ridge	
RRL	Rocca Remolon	
RRO	Red Rock Canyon	
RRP	Roosevelt Roads	
RRR	Rubha Reidh	
RRRZ	Republican Road	
RRX	Edison Barstow Service Cntr. Barstow	
RS-	Russell Springs	RS-KY
RS1	Redoubt South 1	
RS2	Redoubt South 2	
RSA	Sarsar	
RSA3	Rocchetta Sant'Antonio	
RSB	Ravensbos	
RSBC	Riverside Borehole	
RSBS	Rosebush, Pembrokeshire	
RSC	Scourie	
RSCH	Rosais	
RSCM	Risco	
RSCN	Hickman	
RSCP	Cumberland Plateau	
RSD	Rainshed	
RSDY	Resadiye-TOKAT	
RSE	Rose Pump	
RSF3	Rocca San Felice	
RSH		
RSHJ	J Risha	JRSJ
RSHS		
RSJ	Rancho San Jose	
RS-KY	Russell Springs	
RSL	Roselend	
RSLU	Rancho San Luis	
RSM	Repubblica di San Marino	
RSM2	San Marino	
RSNT	Yellowknife	
RSNY	Adirondack	
RSO	Redoubt South	
RSO1	Soroni, Rhodes Isl.	
RSON	Red Lake	
RSP	Reno Superiore	
RSPO	Restoule Provincial Park	
RSRA	Roshora	
RSRB	Richmond-San Rafael Bridge	
RSSD	Black Hills	
RST	Umm Al-Ruwaisat	
RST1	Rasht - Gilan	
RSTA	Tijuco Alta	
RSTR	Resita	
RSU	Mount Rainier--Summit	
RSUS3	Rio de Jesus, Veraguas	
RSUT	Red Spur Mountain	
RSV	Radio Antilles	
RSW	Rattlesnake Hills	
RSY	Rusayo	
RT-	Raton	RT-NM
RTA	Riberalta	
RTAL	Retalhuleu	
RTAM	Retamim	
RTB	Rutbah	
RTBA	Rita Blanca	
RTBE	Buergeleck	
RTBI	Rangdo, Negare	
RTBP	Dona Remedios Trinidad, Bulacan	
RTBS	Barreal	
RTC	Rabat Centre	
RTCB	Cerro Blanco	
RTCV	Cerro Valdivia	
RTH1	Rethymnon	
RTHF	Rethymno-Limin	
RTK	Rohtak	
RTLL	Cerro Villicun	
RTLS	Leoncito	
RTMI	Retamim	
RTMM	Retamin	
RTMQ	Marquesado	
RTN	Rota	
RT-NM	Raton	
RTO	Tolsta	
RTP	Ruataniwha	
RTPR	Patquia	
RTQ	Roma	
RTR	El Retiro	
RTRS	Rodeo	
RTSA	Steiner Alm	
RTSH	Staufenhaus Bad Reichenhall	
RTUL	Rataul	
RTV	Rentapao	
RTY	Rotoiti	
RTZ	Ruatahuna	
RTZL	Ratzakli, Kefalonia, Greece	
RUB	Prince Rupert	
RUBB	Prince Rupert	
RUBR	Rubicon Trail	
RUDO	Rudo	
RUDS	Rudovci	
RUDU	RUNDU	
RUE	Ruedersdorf	
RUEQ	Avenue Ruel MTQ2	
RUF	Ruokolahti	
RUFF	Ruffiac, Nouvelle Aquitaine, France	
RUFI	Rufina	
RUFX	Ruokolahti	
RUGZ	Raukumara Range	
RUM	Rumangabo	
RUMJ	Er Rumman	
RUMN	Rumjataar	
RUMP	Rumipamba	
RUN	Ruthven	
RUN2	Runtun	
RUN3	Runtun 3	
RUN5	Runtun	
RUND	Rundenannen	
RUNG		
RUP	Ruppelstein	
RUS	Russkaya	
RUSAM	Ruse	
RUSC	La Rusia	
RUSF	Rustrel	
RUSJ	Misakicho	
RUSM	Rushworth	
RUSS	Russell Ranch	
RUST	Rust De Winter,Limpopo Province	
RUSZ	RUSIZI	
RUT	Ruth	
RUTI	Ruteng	
RUV	Rauvai	
RUWJ	Ruweisid	
RUZ	Raurimu	
RUZG	Kolk¶ly-BOLU	
RVAZ	Riverhead Borehole	
RVC	Mount Rainier--Voight Creek	
RVCM	Rose Valley Central	
RVDE	Rio Verde (Brazil)	
RVE	Reveille Range	
RVI2	Rocchetta Volt	
RVIT	Round Valley Indian Tribe	
RVLA	Villa Bonita	
RVM	Rio Vista Mine	
RVMB	Rio Verde do Mato Grosso - MS	
RVR	Riverside	
RVRD	Rio Verde	
RVS	Riverside Mountains	
RVST	Ravascletto	
RVSTA	Santa Teresita	
RVUT	Riverside	
RVVM	Revivim	
RVW	Rose Valley	
RW1	Ridgway	
RW2	Ridgway	
RW3	Ridgway	
RW4	Ridgway	
RW5	Ridgway	
RW6	Ridgway	
RWB	Wassenberg	
RWMO	Wildenmoos	
RWW	Ranney Well	
RWWY	Rawlins	
RXF	Rexford	
RY-	Ryder	RY-ND
RYAN	Fayoum	
RYB	Rybach'ye	
RYBC	Ceska Rybna	
RYD	Riyadh	
RYDS	Riyadh	
RYL	Rypely	
RYN	Ryan	
RYNBS	Yanbu	
RY-ND	Ryder	
RYNS	Ranyah	
RYS	Reyes Peak	
RZN	Rozhen	
S001	Rahes	
S002	Kamari	
S003	Sitohorio	
S004	Chalkas	
S005	Stasimo	
S006	Ano Karies	
S007	Mavria	
S008	Pavlia	
S009	Chrysovitsi	
S010	Kardaras	
S011	Nestani	
S012	Skoteini	
S013	Leontio	
S014	Klenia	
S015	Krioneri	
S017	Loutraki	
S018	Gerania	
S019	Xyronomi	
S020	Ag. Anna	
S021	Mazi	
S022	Villia	
S023	Mandra	
S024	Eleon	
S025	Martino	
S026	Pantixeio	
S027	Avlonas	
S029	Marmari	
S030	Krieza	
S031	Kalithea	
S032	Paliouras	
S033	Prokopi	
S034	Aidipsos	
S035	Kymi	
S037	Skyros	
S039	Syros	
S040	Ag. Konstantinos	
S04C	Ingram Canyon, Westley	
S05C	Merced	
S06C	San Francisco Camp Mather, Mather	
S08C	White Mtn Res Sta-Crooked Creek, Bishop	
S09A	Goldfield	
S104	Chalkias	
S10A	Tonopah Range, Tonopah	
S11A	Rachel	
S126	Profitis Ilias	
S12A	Delamar Landing Field, Caliente	
S12K	Black Hills	
S13A	Holt Ranch, Enterprise	
S14A	Cedar City	
S14K	Fog Glacier	
S15A	Panguitch	
S16A	Weppner Ranch, Escalante	
S17A	Black Ridge (BLM), Bullfrog Basin	
S18A	Hurst Farm, Blanding	
S19A	Harvey Farm, Monticello	
S20A	Disappointment Valley, Cahone	
S21A	Coal Bank Pass, Durango	
S22A	4UR Ranch, Creede	
S23A	Nye Farm, Monte Vista	
S24A	Houchin Ranch, La Veta	
S25A	Robets Cordova Ranch, Walsenberg	
S26A	Kim	
S27A	Las Animas	
S28A	Manter	
S29A	Ulysses	
S30A	Montezuma	
S31A	Mullinville	
S31K	Pelican	
S32A	Newby Ranch, Pratt	
S32K	Killisnoo	
S33A	Kaszmaul Farm, Murdock	
S34A	Willow Spring Farm, Andover	
S34M	Telegraph Creek	
S35A	Otter Creek Ranch, Eureka	
S36A	Lake Cedric, Chanute	
S37A	Fort Scott	
S38A	Stockton	
S39A	Bolivar	
S40A	Lebanon	
S41A	Jillco Farms, Salem	
S42A	Caledonia	
S43A	Fulton Ridge, Patton	
S44A	Carbondale	
S45A	Carrier Mills	
S46A	Don Dixon Farm, Corydon	
S47A	Hartford	
S48A	Wiedeman Farm, Cecilia	
S49A	Springfield	
S50A	Richmond	
S51A	Beattyville	
S52A	Salyersville	
S52SK	Cirkulane	
S53A	Williamson	
S54A	Dingess, Beckley	
S55A	Lewisburg	
S56A	Natural Bridge	
S57A	Dark Hollow, Roseland	
S58A	Poland Farm, Powhatan	
S59A	Mechanicsville	
S60A	Water View	
S61A	Accomac	
SA-	Seneca	SA-OR
SA01		
SA02		
SA03		
SA04		
SA05		
SA07		
SA08		
SA09		
SA10		
SA11		
SA12		
SA13		
SA139		
SA14		
SA15		
SA155		
SA16		
SA169		
SA17		
SA18		
SA19		
SA1G	Sarfartoq 1, Greenland	
SA2	San Angelo	SA2TX
SA20		
SA22		
SA23		
SA24		
SA25		
SA26		
SA27		
SA28		
SA29		
SA2G	Sarfartoq 2, Greenland	
SA2TX	San Angelo	
SA30		
SA31		
SA32		
SA33		
SA34		
SA35		
SA36		
SA37		
SA38		
SA39		
SA3G	Sarfartoq 3, Greenland	
SA4	San Angelo	SA4TX
SA40		
SA42		
SA43		
SA44		
SA45		
SA46		
SA47		
SA48		
SA49		
SA4G	Sarfartoq 4, Greenland	
SA4TX	San Angelo	
SA50		
SA51		
SA52		
SA53		
SA54		
SA55		
SA56		
SA57		
SA58		
SA59		
SA60		
SA61		
SA62		
SA63		
SA64		
SA65		
SA66		

Code	Station Name	Other
SA67		
SA68		
SA69		
SA70		
SA71		
SA73		
SA74		
SA75		
SA76		
SA77		
SA78		
SA79		
SA80		
SA81		
SA82		
SAA	Sakai	
SAAJ	Santo Ant£o	
SAAN	San Antonio	
SAAO	Santo Ant£o, SAMO	
SAARA	Aarau, neue Kantonsschule, AG	
SAAT	Saatly	
SAATT	Saattut	
SAB	Saberio	
SABA	Saba	
SABA3	Sabanitas, Colon	
SABC	Sabc	
SABG	Sable island	
SABO	M.te Sabotino	
SABQ	Saba, The Bottom	
SABR	Sanharo	
SABS	Saba	
SABT	Saba	
SABU	Mula-Dalaman-Sabunlu	
SABV	Saba, Juancho Airport	
SABW	Saba, Winward Side	
SAC	San Andreas	
SACA	Loma Carmona	
SACC	Sacramento, California	
SACO	Santo Ant£o	
SACR	S. Croce Del Sannio	
SACS	San Casciano dei Bagni	
SACU	Santa Cruz	
SACV	Santiago Island	
SAD	Saidpur	
SADA	Sad`ah	
SADC	Saddle Peak	
SADE1	SADE1	
SADE2	SADE2	
SADO	Sadowa	
SADP	Ecuador-Quito-CDC San Antonio de Pichincha	
SADQ	Saint-Augustin-de-Desmaures	
SADR	Isla Saona	
SAE	Statte	
SAF	Zefat	
SAFE3	Santa Fe, Veraguas	
SAFT	Safranbolu	
SAG	Saga	
SAGA	Saga, Xizang Zizhiqu	
SAGI	Saggi Highlands	
SAGO	Sagoatoa	
SAH	Sawauchi	
SAHA	Sahara	
SAHE	Sakarya_HENDEK	
SAHO	DHOFAR2 - YR	
SAI	Saigo	
SAI01	Saillon, Rue du Grand Clos, VS	
SAIC	Isla e San Andrs, Archipielago de San Andres, Providencia y Santa Catalina	
SAIG	Aigle Rue de la Gare	
SAIH	SAIHA	
SAIM	ADANA	
SAIRA	Les Sairains Dessus	
SAIU	Southern Antelope Island	
SAIV	Sant'Angelo In Vado	
SAJA	Sa'gya, Xizang Zizhiqu	
SAJU	San Juanillo, Guanacaste	
SAJV	Sajaritas	
SAK	Sakata	
SAKA	AfricaArray/PSU - ZP	
SAKB	Bahrain	
SAKE	Sake	
SAKN	Sanikiluaq	
SAL	Salo	
SALA	Sala	
SALAN	Lac Salanfe	
SALAO	Salao	
SALB	San Lorenzo Bellizzi	
SALC	Salvajina	
SALEV	Sal`ve	
SALF	Salau	
SALH	Salehabad	
SALI	Salinas	
SALI3	CIMA - Sant'Angelo dei Lombardi	
SALII	SALI	
SALJ	Salt	
SALK	Salom-Alik	
SALM	Salem	
SALN	Salton City	
SALO	Salr	
SALP	Salfit	
SALR	Pechorkino, Salair, Kemerovskaya Oblast', Russia	
SALS	SAN ANTONIO - HORCONCITO	
SALSA	La sagne	
SALT	Sultana	
SALTS	Altdorf, Kantonsspital	
SALU	Saltoluokta	
SALV	Santo Antonio do Leverger, MT	
SALX	Saltillo	
SAM	Samarkand	
SAMA	S.Maria delle Mole (Ciampino, Roma)	
SAMG	Sameba	
SAMH	Samovar Hills	
SAML	Samuel	
SAMO	Samokov	
SAMP	Sagada Mountain Province	
SAMS	Samsun-Alacam	
SAMU	Samuel, RO	
SAN	Santiago	
SAN1	Sandwick	
SANA	San`a	
SANB	Taian	
SANC	Santa Ana	
SAND	Sanderson	
SANDN	Rolleston, SAND	
SANF	Convento San Francisco - Quito	
SANG2	South of Nakchu	
SANGA	Volcan Sangay	
SANI	Sanana	
SANJ	La Escarcha	
SANL	SANLIURFA_Merkez	
SANLC	El Paraiso, SANL	
SANM	Alcaldia de San Marcos	
SANQ	St-Andre-du-Lac-St-Jean	
SANR	Sandrigo	
SANT	Santorini	
SANTA	Santa Ana	
SANU	Sandwick	
SANV	Sanarito	
SANVU	Saraoutou	
SANY	Sanborn	
SANZ		
SAO	San Andreas Geological Observatory	
SAOF	Saorge	
SAON	Isla Saona	
SA-OR	Seneca	
SAP	Sapporo	
SAP1	Santorini-Akrotiri	
SAP2	Sant'Angelo in Pontano	
SAP2K	Karterados	
SAP3	Santorini-Thirassia	
SAP4	Santorini-Oia	
SAPK	Appenzell, Kantonsschule, AI	
SAPN	Saipan	
SAQQ	Saqqaq	
SAR	Sarajevo	
SAR1	Sarti	
SARA	Sarapiqu	
SARAR	Arar	
SARC	Ardon Commune, VS	
SARCI	Sarchi	
SARD	Ardez Schule, GR	
SARE	Arbon, Evangelische Kirche, TG	
SARI	SarD1z-Kayseri	
SARK	Sarnen Kantonsschule	
SARN	Sarigan	
SARO	Sassorosso	
SARP	Sargodha	
SARR	Saratov	
SARS	Nor Kachakap	
SART	Tekirdag	
SARZ	Sarezzano	
SAS	Saskatoon	
SAS10	SASSINORO	
SASA	Sand Point	
SASS	Sassa	
SAT	Sang-Tuda	
SAT1	San Antonio Texas	
SATA	Santo Ant£o	
SATE	Sancaktepe, STANBUL	
SATI	Passo dei Salati	
SATK	Sarapat	
SATS	Thornton Park	
SATY	Saty	
SAU	Saltair	
SAUF	chteau de Saumane	
SAUI	Saumlaki	
SAUL	Bad Saulgau	
SAUR	Augst-Roemermuseum	
SAUV	Serdivan-Sakarya	
SAV	Savannah	
SAVE	San Marco di Savelli	
SAVF	Savonnieres en Perthois	
SAVIG	Le Moulin, Savigny, Haute-Savoie, FR	
SAVO	Savo Central	
SAW	Saint Andrews	
SAX	Saentis	
SAY	Sayfiye	
SAYF2	Ayent-Fortunoz Trafohaus, VS	
SAYS	Saidy	
SAZ	Santa Maria Island	
SB-	Grafenberg Ar.	GRF
SB02	Marmara Sea	
SB1	Sierra Blanca Array Site 1	
SB2	Sierra Blanca Array Site 2	
SB3	Sierra Blanca Array Site 3	
SB4	Sulfur Bank	
SBA	Scott Base	
SBAF	Basel-Friedhofgasse	
SBAJ2	Basel, St Johann, BS	
SBAK	Basel, Klybeck	
SBAM2	Basel, Mnster, BS	
SBAP	Basel-PUK	
SBAR3	San Bartolo, Chiriqui	
SBAS	Baar Spital, ZG	
SBAT	Basel-Tropenhaus	
SBAV	Basel, Vogelsang, BS	
SBAW	Basel, Wirtschaftsgymnasium, BS	
SBB	Saddle Back Butte	
SBBR	Sobral	
SBC	Santa Barbara	
SBCB	Hsinchu	
SBCZ	Sonora Basin	
SBD	Saint Breward	
SBD1	Bryn Du	
SBDA	Sabaudia	
SBDP	Sheikh Budin	
SBE	Sebes	
SBEA	Susan B. English School	
SBEG	Bettingen Gewerbehaus	
SBERN	Bern, Kleine Schanze	
SBES	Silver Beach Elementary School	
SBF	Sospel	
SBG	Sibinal	
SBGN	Bergn Schule, GR	
SBH	Shibata	
SBI	Santa Barbara Island	
SBID	Snowbank Mountain	
SBIF2	Birsfelden, Friedhof	
SBIK	Biel, Kongresshaus, BE	
SBIS2	Binningen	
SBJ	Shimobe	
SBJI	Serang	
SBK	Seabrook	
SBKC	Saddleback Mountain	
SBL	Sacbachol	
SBLHI	Steaming Bluff	
SBLM	St Barthlmy	
SBLS	San Blas	
SBLV	Sobolevo	
SBM	South Baldy	
SBN	Saba	
SBNU	Taloyoak	
SBO	Springbok	
SBP	Subic Bay	
SBPG	Barcellona Pozzo di Gotto	
SBPH	San Jose del Monte	
SBPO	S.Benedetto Po	
SBQ	Sherbrooke	
SBR	S Black Range	
SBRN	Brisbane	
SBRS	Brig, Spital	
SBRT	Shubertovo	
SBS	Sidi-Bou-Said	
SBSI	Sibolga	
SBT	San Benito	
SBT1	Cinarcik-Koru-Yalova	
SBT2	Guzelce-Avcilar-Istanbul	
SBT3	Marmara-Ereglisi-Tekirdag	
SBT4	Kumbag-Tekirdag	
SBT5	Esenkoy-Cinarcik-Yalova	
SBTC	Sibate, Cundinamarca	
SBTG	Sabatlo	
SBU	Stansbury Island	
SBUA2	Buchs, Altendorf	
SBUB	Buchserberg Malbun	
SBUH	Buchs, Hochschule	
SBUL	Bulle cole, FR	
SBUM	Sibu	
SBUS	Buochs, Nidwalden	
SBV	Sambava	
SBVC	San Bernardino Valley	
SBY	Sand Bay	
SBZ	Shahbuz	
SBZR	Sabzevar	
SBZV	Sabzevar	
SC-	Sutcliffe	SC-NV
SC01	Santiago de los Caballeros	
SC02	Santiago aeropuerto	
SC2M	Scurtabo	
SCA	Santa Cruz	
SCA01	San Carlo, Sant'Agostino (FE)	
SCA02	San Carlo, Sant'Agostino (FE)	
SCA03	San Carlo, Sant'Agostino (FE)	
SCA04	San Carlo, Sant'Agostino (FE)	
SCA05	San Carlo, Sant'Agostino (FE)	
SCA06	San Carlo, Sant'Agostino (FE)	
SCAI	Santa Caterina dello Ionio	
SCAMX	Tres Palmas, SCA	
SCAS2	Camedo, Paratoia di Spurgo TI	
SCB	Scarborough	
SCC	Santa Cruz	
SCCA	San Cayetano, Corrientes, Argentina	
SCCB	Santa Clara County Offices	
SCCK	Coley Creek	
SCCM	Colson Canyon	
SCCW	Shoreline CC	
SCD2	Chiriqui, SCD2	
SCE	Schlegeis	
SCE1	Shell Creek	
SCEL	Celerina	
SCER	sogukcermik	
SCF	Sheep Creek Facility	
SCG	Saint Claude	
SCH	Schefferville	
SCHAT	Ch¢tillon, cole, FR	
SCHCA	Scheelite	
SCHD	Schmiedefeld	
SCHE	Schaffhausen-Ebnat	
SCHF	Schoenfels	
SCHK	Churwalden Kloster GR	
SCHL	Schela	
SCHLR	Schela	
SCHM	Mlare	
SCHN	Schinveld	
SCHO	SCHO	
SCHQ	Schefferville	
SCHR	S. Chirico Raparo	
SCHRR	Schitu	
SCHS	Schaffhausen, Spital	
SCHUN	Schuinsdraai Nature Reserve,Limpopo Province	
SCI	San Clemente Island	
SCI2	San Clemente Island 2	
SCIA	State Center	
SCIAC	Sciacca	
SCIAR	Sciara	
SCIG	Sabancuy	
SCJI	Gunung Srandil	
SCK	South Creake	
SCKWR	San Luis Creek Check 11 ,Merced County	
SCL	Santa Clara	
SCL3	Muro Lucano (Serra Campolungo)	
SCLA	Alcaldia de Santa Clara	
SCLL	Scilla	
SCLT	Jiali	
SCM	Sheep Creek Mountain	
SCMO	St. Charles CC	
SCN	Sunset Crater	
SCNT	Darkhovein	
SC-NV	Sutcliffe	
SCO	Scoresbysund	
SCOD	Ch¢teau-dOex, salle de spectacle VD	
SCOL	Santa Coloma	
SCOM	Sussex County Emergency Operations Center	
SCOU	Cournillens	
SCP	State College	
SCP1	State College	
SCPH	Surigao	
SCR	San Cristobal	
SCR01	Coaldale, S01	
SCR02	Cotopaxi, S02	
SCR03	Powderhorn, S03	
SCR04	Montrose, S04	
SCR05	Ourey, S05	
SCR06	Curtis Ranch, S06	
SCR07	Westcliffe, S07	
SCR08	Lake City, S08	
SCR09	Moffat, S09	
SCR10	Saguache, S10	
SCR11	Silverton, S11	
SCR12	West of Creede, S12	
SCR13	South Fork, S13	
SCR14	Del Norte, S14	
SCR15	Mosca, S15	
SCR16	Walsenburg, S16	
SCR17	North of Durango, S17	
SCR18	Fort Garland, S18	
SCR19	San Juan River Ranch, S19	
SCR20	Tucker property, S20	
SCR21	Archer property, S21	
SCR22	Bayfield, S22	
SCR23	Grandview, S23	
SCR24	West of Pagosa Springs, S24	
SCR25	San Pablo, S25	
SCR26	Mesita, S26	
SCR27	Case Ranch, S27	
SCR28	La Garita, S28	
SCR29	Ranco del Oso Pardo, S29	
SCR30	Questa, S30	
SCRK	Sand Creek	
SCRN	Santa Cruz	
SCRP	Scyscraper	
SCRT	Cerro San Cristobal	
SCRV	San Cristobal	
SCS	Sicasica	
SCSP	San Jose Seismic Satellite Station	
SCST	Cishan	
SCT	Scotty Lake	
SCT2	Benito Juarez	
SCTE	Santa Cesarea Terme	
SCTR	Scanteiesti	
SCU	Sheep Canyon	
SCUC	Scuol-Clozza	
SCUG	Chur Gewerbeschulhaus	
SCUM	Serra do Cume	
SCUT	Santa Clara	
SCV	Saint Croix	
SCVI	Saint Croix	
SCW	Sherman Crater--Mount Baker	
SCX	San Cristobal	
SCY	Stone Canyon Reservoir	
SCYB	Stone Canyon	
SCZ	Santa Cruz	
SCZ2	Santa Cruz Island 2	
SCZP	Santa Cruz	
SCZT	Fangliau	
SDA	Shkodra	
SDAG	Sultandagi-AFYON	
SDAK	Davos, Kongresszentrum GR	
SDAN	Sedan	
SDB	Sa da Bandeira	
SDBA	SAO DESIDERIO	
SDC	San Diego	
SDCA	Salto do Cavalo	
SDCO	Great Sand Dunes National Park	
SDD	Santo Domingo	
SDD01	Loma Colora	
SDD02	Loma Siseviere	
SDD03	Loma La Ceniza	
SDD04	Loma El Mogote	
SDD05	Loma Manaclilla	
SDD06	Hatillo	
SDD07	Loma El Cafe	
SDD08	Loma Yayales	
SDD09	Ceiba Bonita	
SDD10	Monte Rojo	
SDDR	Presa de Sabaneta	
SDE	Santiago Estero	TPA
SDEM	Sadie Cove	
SDES	Delmont, Spital JU	
SDF	Sodankyla	
SDG	Sourdough	
SDH	Striped Hills	
SDHHI	Sand Hill	
SDI	San Donato	
SDJ	Sanada	
SDKM	Sandakan	
SDL	Saddle Mountain	
SDLC	Saltdale	
SDLR	Sedlovina	
SDM	Santiago Maria	
SDMC	San Diego Mission Control	
SDMD	Soldier's Delight Natural Environment Area	
SDMZ	Santiago de Maria	
SDN	Sand Point	
SDNR	Sundarnagar	
SDO	Salado	
SDOF	Saint-Denis-d'Olron - 17323 - Charente-Maritime - Nouvelle-Aquitaine - France	
SDOM	Mount Sodom	
SDP	Sudden Peak, Lompoc	
SDPT	Sand Point	
SDR	Surduc	
SDRC	San Diego Road Dept, El Cajon	
SDS	Sanatorio Duran	
SDS1	Sardasht. Az. Gharbi.	
SDSI	Sungai Dareh	
SDSN	Yalova	
SDV	Santo Domingo	
SDW	Sidewinder Mine	
SDYD	Sarand del Y Durazno	
SDYT	Holly Hill	

Code	Station Name	Other
SE-	Sleepy Eye	SE-MN
SEA	Seattle	
SEAG	Tbilisi Sea	
SEAR	Searcy	
SEAS	Seaside SMO	
SEB	Sibenik	
SEC	Stevens Creek	
SECR		
SEDF	Sedefadasi Cinnet	
SEDI	Konya, Seydisehir-Tarasci	
SEDN	First Sedna Site,Hudson Bay	
SEF	Sefi@18d Ru@18d	SRI
SEF1	Sefro	
SEFS	Erstfeld, Schule, UR	
SEG	Port Louis	
SEGC	San Emigdio	
SEH	Sehore	
SEHB	SEOHWA	
SEHE	Saha	
SEI	Scarperia	
SEIS	Thessaloniki	
SEJ	Sejong Station	
SEK	Senekal	
SEKA	Sheki	
SEKE	Sekot	
SEL	Semlyachik	
SELA	Sela	
SELF	Sixty Eight Flow	
SELQ	St-Eleuthere	
SELS	Selova	
SELV	Sierra Elvira	
SEM	Semipalatinsk	
SEMD	Semdilli	
SEMI	Semponon	
SEMM		
SE-MN	Sleepy Eye	
SEMO	Seminario San Jose de La Montana	
SEMOS	Emosson Staumauer, Bunker	
SEMS	Kocaeli-K¶rfez-Semsettin	
SEN	Sendai	
SENA	Sos Enattos	
SEND	SEND	
SENE	Ethiopia-Afar Geoscientific Lithospheric Experiment	
SENGL	Engelberg, Kloster, OW	
SENI	Senigallia	
SENIN	Lac Senin/Sanetsch	
SENK	Senkaya-Erzurum	
SEO	Seoul	
SEPFL	Lausanne EPFL	
SEPFT	Septfontaines	
SEPW	September Lobe	
SER	Sermur	
SERC	Banco Serrana, Archipielago de San Andres, Providencia y Santa Catalina	
SERE	Sereflikochisar	
SEREE	Military Camp, Saraba	
SERG	Sergoula	
SERI	Serifos	
SERJ	Array-Uganda/Tanzania zania - ZP	
SERM	Sermide	
SERS	Sersale	
SES	Suffield	
SESA	Seetaler Alpe, Styria	
SESM	LA ISLA	
SESP	Santiago Espada	
SEST	Monte Rota	
SET	Setif	
SET2	Ginetes	
SET3	Pilar	
SET4	Mosteiros	
SETA	Sete Cidades	
SETE	Sete Cidades	
SETU	Setubal (Portugal)	
SEUG	St. Eustatius G	
SEUH	St. Eustatius H	
SEUS	St. Eustatius	
SEUT	St. Eustatius T	
SEV	Sevastopol'	
SEVA	Sevastopol	
SEVE	Sevelten	
SEVS	Severino-Manabi	
SEW	Seward	
SEY	Seymchan	
SEY1	Mahe	
SEYC	Seychelles	
SEYD	Seydisehir-KONYA	
SEYI	Kastamonu-Seydiler	
SEYT	Eskypehyr	ESKT
SF-	Snowflake	SF-AZ
SF01	Poggio Pratacci	
SF03	Valle Cupa	
SF04	Casetta	
SF11	Podere del Sole	
SF13	Bagnolo	
SF14	Selvena	
SF2	Kangerlussuaq 2	
SFA	Sept-Chutes	
SFA1	Serra Facao	
SFAN	Fancy Village	
SF-AZ	Snowflake	
SFB	San Francisco	
SFC	San Francisco	
SFCO	Cabo San Francisco	
SFCP	San Francisco, Cebu	
SFD	Strofades	
SFDO	San Fernando	
SFDR	San Fco. de Macoris	
SFEL	Villigen, Paul Scherrer Institut AG	
SFER	Spokane Schools, Ferris High School ANSS-SMO	
SFF	Sheffield	
SFG	Saint Francois	
SFH	Hasselmere	
SFI	Santa Sofia	
SFIN	Lafayette	
SFIR	Foira Santorini	
SFJ	Sondre	
SFJD	Kangerlussuaq 2	
SFJM	Santa Fe	
SFJWR	San Luis Fatjo Ranch, Merced County	
SFK	Sufi-Kurgan	
SFK1	Sfakia	
SFK2	Vouvas Sfakia	
SFL	San Felipe	
SFL1	Soufli	
SFL3	San Fele	
SFM	San Francisco	
SFM1	San Francisco de Macorix	
SFN	Sterling Forest	
SFNM	Sidi Ifni	
SFNV	Sufian	
SFO	Sterling Forest	
SFP	San Felipe	
SFQB	San Francisquito	
SFR	San Francisco--Rincon	
SFRA	Frenkendorf	
SFRA3	San Francisco, Veraguas	
SFRE	Sierra Foothill REC, California	
SFRN	Safran	
SFRS	Frutigen, Schulhaus Kanderbrueck, BE	
SFRU	Fribourg, Universitœt Freiburg, FR	
SFS	San Fernando	
SFST	Stanford Telescope	
SFTF	Sexfontaines	
SFTN	Shelby Forest	
SFTX	Fort Shafter	
SFUC	San Fernando	
SFX	San Felipe	
SFX1	Estrella, SFX	
SFX2	San Felix	
SG-	Seligman	SG-AZ
SG1	Sgolgore (BA)	
SG6*	San Gibilmanna	
SGA	Stephens Glacier	
SGAK	Gampel Kirche, VS	
SGAL	Botticino - San Gallo	
SGAM	Sherman Glacier	
SGAS	Stanga	
SGAZ	Eskisehir, Seyitgazi-Dogancayir	
SG-AZ	Seligman	
SGB	San Diego Bay	
SGBR	La Fortuna	
SGC	Saratoga Golf Course	
SGC08	SANT' ANGELO A CUPOLO	
SGC2	Sao Gabriel da Cachoeira	
SGCB	S£o Gabriel da Cachoeira, AM	
SGCP	Gonzaga	
SGCY	Sterling City	
SGD	Sagiada	
SGDS	Sogindy	
SGE	South Ridge	
SGEB	BUCURESTI	
SGEM	Genf, Marziano	
SGEV	Genve, Vieux-Billard	
SGF	Sodankyla@14	
SGF1	San Giovanni in Paganica (AQ), Italy	
SGF2	San Giovanni in Paganica (AQ), Italy	
SGF3	San Giovanni in Paganica (AQ), Italy	
SGF5	San Giovanni in Paganica (AQ), Italy	
SGF6	San Giovanni in Paganica (AQ), Italy	
SGF7	San Giovanni in Paganica (AQ), Italy	
SGFR	San Giovanni in Paganica (AQ), Italy	
SGG	Gregorio Matese	
SGH	Sud-Ghoubbet	
SGI01	Saint George Infrasonic Array Site 1	SGIAR
SGI02	Saint George Infrasonic Array Site 2	
SGI03	Saint George Infrasonic Array Site 3	
SGI04	Saint George Infrasonic Array Site 4	
SGIA	Mirandola	
SGIAR	Saint George Infrasonic Array Beam Reference Point	
SGJ	Sugihashi	
SGK	Hsinkong	HSI
SGKI	Sangatta, Kalimantan	
SGKR	Sergokala	
SGKT	Sivrigoynuk	
SGL	Mount Signal	
SGLK	Glarus, Kantonsspital, GL	
SGLT	Jiouru	
SGM	Silver Gate	
SGMA	Sangmyun	
SGMF	Saint Gilles	
SGMN	Shimogamo	
SGN	Springfield	
SGNT	Sidi Gnaou	
SGO	Sicignano	
SGP	San Gregorio	
SGPA	San Giuliano Parco Memoria	
SGR	Segre	
SGR1	Siggri Mitillinis	
SGRA	Graechen Ausblick	
SGRN	Sagara	
SGRQ	St-Georges	
SGRR	Singureni	
SGRT	San Giovanni Rotondo	
SGS	Saint George	
SGSC	San Giuliano Nuova Scuola Iovine	
SGSI	Sangihe	
SGST	Jiashian	
SGSU	St. George Fire Station	
SGT	Sevinc	
SGT00	Sennhlsen	
SGT01	Gaiserwald	
SGT02	Zihlschlacht	
SGT03	Degersheim	
SGT04	Schlatt-Haslen	
SGT05	Eggersriet	
SGT18	Golfpark Waldkirch, SG	
SGTA	Sant Agata di Puglia	
SGU	Sterling	
SGV	South Grapevine Mountains	
SGW	Sigmaringen-Wittberg	
SGY	Signy Island	
SGZ	Semigandzh	
SH-	Shamokin	SH-PA
SH2	Sharm el Sheik	
SHA	Spring Hill	
SHA1	Shidzhatmaz	
SHAB	Shabla	
SHAI	Games and Wildlife Shai Hills	
SHAK	Shakhimardan	
SHAO	Shalim	
SHAP	Saphane-Kutahya	
SHAR	Shatzhatmas	
SHAW	Medical Clinic, Shawira	
SHB	Sechelt	
SHBE	SHBE	
SHBG	Sahibganj	
SHBH1	SHBH1	
SHBH2	SHBH2	
SHBJ	Al Shahba	
SHBL	Chebaa	
SHBS		
SHC	Mount Saint Helena	
SHD	Sha@18hru@18d	
SHDB	Maple Bay	
SHE	Samaxi	
SHEE	Ethiopia-Afar Geoscientific Lithospheric Experiment	
SHEK	Heerbrugg, Kantonsschule SG	
SHEL	Horse Pasture	
SHEM	Shemya Is, Alaska	
SHER	Hrmence, Route du Solitaire, VS	
SHERE	Police Station, Sherkole	
SHF	Shawinigan Falls	
SHG	Shirttail Gulch	
SHGH	Shai Hills	
SHGO	Shushtar	
SHGR	Shooshtar-Gavsavar	
SHH	Sheep Hole Mountains	
SHHB	Siheung-si	
SHHT	Tainan City	
SHI	Shiraz	
SHI1	Shinkiari	
SHID	Shide	
SHIN	Springhill	
SHIO	Shillong	SHL
SHIP	Sredneye Shipitsyno	
SHIU	Shidnytsya	
SHIV	Shivlakha	
SHJ	Shiono misaki	
SHK	Shiraki	
SHK1	Shahrekord	
SHKI	Saki	
SHL	Shillong	
SHLH	SHLH	
SHLK	SHOLAK	
SHLN	Saint Helena Island	
SHLP	Siplipahar	
SHLS	Shalkode	
SHLY	Spokane Temp K2 (Swanson)	
SHM	Shimizu	
SHMA	Al-Shehemyia	
SHME	Shamm	
SHMJ	Saham	
SHMP	Susana Heights	
SHMS		
SHN	Shimonoseki 3	
SHN1	Shimonoseki	
SHN2	Shangus	
SHNJ	Shimonoseki 2	
SHNS	Shenavan	
SHO	Shikotan	
SHO1	Shori	
SHOA	Shoalbay	
SHOC	Shoshone, Tecopa	
SHOH	Showa-Shinzan	
SHP	Santa Helena	
SH-PA	Shamokin	
SHPB	Sharp Point	
SHPR	Sheep Range	
SHQ	Saint-Hilarion	
SHQRE	Shigry	
SHR	Shirakawa	
SHRA	Al Sharaya	
SHRD	Shirahama	
SHRF	Sharaf	
SHRG	Sheep Range	
SHRJ	Shirakawa 2	
SHRK	Shell Rock	
SHRM	Sharm el Sheik	
SHRO	Shahrood	
SHRR	Shira	
SHRS	SHRS	
SHRT	Shahrakht	
SHRTI	Eilot, SHRT	
SHS	Shasta Dam	
SHT	Sharpitor	
SHTH	Shelter house	
SHTK	Zheleznogorsk-3, Russia	
SHTL	Shatili	
SHTN	Sandy Hook	
SHTS	Shaartuz	
SHU	Shuyak Island	
SHUDU	Vaalwater,Limpopo Province	
SHUI	Shui	
SHUK	Shuksan-Mt. Baker Ski Area	
SHUL	Shoufeng	
SHUT	Suhut-Afyon	
SHV	Shimbara	
SHVB	Paradis Home	
SHVTI	SHVT	
SHW	Mount Saint Helens	
SHWG	Array-Uganda/Tanzania zania - ZP	
SHWJ	Shawbak	
SHY	Shemya	
SHYM	Surrey Hills	
SHZ	Shizuoka	
SHZ3	Shizuoka 3	
SHZE	Shinhuzimiza	
SHZF	SHZF	
SHZJ	Shizuoka 2	
SI-	Smithers	SI-BC
SI2	Simi Peak	
SIA	Xi'an	
SIA1	Siatista	
SI-BC	Smithers	
SIBI	Sibayak Dolok	
SIBR	Sibiu	
SIC	Sept Iles	
SICA	Sicasica	
SICH	Sidi Chahed	
SICLA	Scilla	
SID	Sida	
SIE	Siena	
SIE01	Sierre, Farmhouse, VS	
SIEB	Ecole de Borzuat	
SIERE	Sierre	
SIG	South Ingalls	
SIGP	Signal Peak, CA USA	
SIGR	SIGRI	
SIH	Signal Hill	
SII	Sitkinak Island	
SIJI	Sorong	
SIL	Silver Peak	
SILA	Clinic, Silare	
SILAM	Silistra	
SILB	Sidney Island	
SILC	Silvia	
SILE	Correggio--Silva	
SILI	Silifke-Mersin	
SILO	Sutton Inlier	
SILR	SILCHAR	
SILT	Sile	
SIM	Simferopol'	
SIM1	UHE Simplicio	
SIM2	UHE Simplicio	
SIMA	Simav-Kutahya	
SIMAR	Sighetul Marmatiei	
SIMG	Tanzanite One Mining	
SIMI	Simarbalatuk	
SIMJ	Simiganj	
SIMPL	Simplonpass	
SIMR	Simon	
SIMRM	Sittwe	
SIN	Shinagawa	
SINB	Sinanoba-Istanbul	
SIND	Sindeldorf	
SING	Singapore	
SINGM	SINGM	
SINGT	Singida	
SINI	Singah	
SINN	Sindhuli	
SINO	SINOP_Merkez	
SINP	Sinop	
SINR	Sinaia	
SINS	Interlaken, Schloss	
SIO	Slick	
SIOM	Sion-Mayennets	
SIOO	Sion-Ophtalmol	
SIOV	Sion-Valere	
SIP	Shinkiari	
SIPA	Siparia	
SIPH	Barangay Tapao	
SIPM	Chiapas	
SIPP	Brgy, Tapao	
SIPV	Sipayare	
SIQV	Siquisique	
SIR	Siria	
SIRB		
SIRC	Yozgat	
SIRI	Monte Sirino - Moliterno	
SIRN	Sırnak	
SIRR	Siria	
SIRT	Sirnak	
SIS	Sion	
SISB	Singen-Schiener Berg	
SISC	Sisak	
SISG	Sisimiut, Greenland	
SISI	Saibi	
SIT	Sitka	
SIT2	Siteia	
SIU	Simushir	
SIUC	Southern Illinois University	
SIV	San Ignacio	
SIVA	Sivas	
SIVMX	Santa Isabel viejo, SIV	
SIW	Isle of Wight	
SIY	Silver City	
SIZ	Stewart Island	
SIZA	Siya@14za@14n	
SIZS	Ilanz Schule GR	
SJ-	San Jose (USA)	SJ-TX
SJA	San Juan	
SJAC	San Juan de Arama, Meta	
SJAF	Saint Jean de L'Alberes	
SJAS	San Jacinto	
SJB	Cape Saint James	
SJC	San Javier	
SJCC	San Jacinto, Colombia	
SJCH	San Jose de Maipo	
SJES	Sjenica	
SJG	San Juan	
SJG1	San Juan UASD	
SJGC	San Juan (W)	SJG
SJH	Saint Joseph Seminary	
SJI	Sawahan	
SJID	Saint Joe	
SJM	San Jose Maipo	
SJM1	San Juan de la Maguana	
SJMB	Sao Joao De Manteninha	
SJMO	Saint John's Bayou	
SJMP	San Jose	
SJN	San Juan, Peru	
SJNN	Saint John's	
SJP	San Juan	
SJPF	Ste Jean	
SJQ	San Joaquin Reservoir	
SJR	San Jose	
SJRM	San Jeronimo	
SJS	Escuela Geologia	
SJS3	Mercedes San Jose	
SJT	SanJuan Tecuaco	
SJTE	Alcalda de San Juan Tepezonte	
SJ-TX	San Jose	
SJU	San Juan	
SJUQ	Ste-Julie	
SJUU	Sjulsmark	
SJUZ	Santa Julia	
SJV	Saint John	

Code	*Station Name*	*Other*
SJVI	Gifft Hill School	
SJVR	San Javier	
SJX	San Joaquin	
SK-	Shamrock	SK-TX
SKA	Skalstugan	
SKAF	Kaiseraugst-Friedh	
SKAG	Skagway	
SKAR	Skarslia	
SKB	Skidegate	
SKBJ	Kato	
SKC	Skalna	
SKD	Sitkalidak Island	
SKDA	Skikda	
SKDB	Saint Kitts 2	
SKDS	Skadanscina	
SKEK	Kerns, Kirchgemeinde, OW	
SKG	Skaggs Springs	
SKGA	Skagway School	
SKH	Sakata 2	
SKHT	Srikalahasti	
SKHZ	Khezeriat	
SKI	Saint Kitts	
SKIA	Skiathos	
SKJI	Sukabumi	
SKK	Sikka	
SKL	Skilak	
SKLT	Songkhla	
SKLW	Kloten, Waffenplatz, ZH	
SKLY	Ski Hill Lift	
SKMB	Sankelmark Bunker	
SKMP	Bagumbayan, Sultan Kudarat, Philippines	
SKN	Skaneateles	
SKNT	Sakolnakorn	
SKO	Skopje	
SKO1	Skopelos Island	
SKOC	St. Kitts, UWI Open Campus	
SKOMA	Sekoma	
SKOR	Skordalos	
SKP1	Kophill	
SKR	Severo-Kuril'sk	
SKR1	Skardu	
SKRH	Sakahara	
SKRK	Kreuzlingen, Kantonsschule TG	
SKSI	Soroako, Sulawesi	
SKT	Skwentna	
SKT*	Shikotan	SHO
SKTB	Turtle Beach	
SKTD	Dunsandel	
SK-TX	Shamrock	
SKU	Sakura	
SKW	Shichikawa	
SKY	Skiros Island	
SKY1	Skyros Island	
SKZ	Skazka	
SL-	Sault Ste Marie	SL-ON
SL6*	Punta Lena	
SLA	San Lorenzo	
SLAC	Saint Lucia, Anse Canot	
SLAF	St Laurent du Var	
SLAT	Slait	
SLATY	Slatina	
SLB	Belfond	
SLBB	Yuanshan	
SLBC	Solana Beach	
SLBI	Saint Lucia, Bisee	
SLBQ	St-Lucie-de-Beauregard	
SLBR	Solanea	
SLBS	Sierra La Laguna	
SLC	Salt Lake City	
SLC1	Sala Consilina	
SLCF	La Chaux de Fonds, Flughafen, NE	
SLCN	Sala Consilina	
SLCP	Castries, St. Lucia	
SLCR	Slobozia Conachi	
SLD	San Luis Dam	
SLDE	Delcer	
SLE	Schleitheim	
SLEB	Sale Mountain	
SLES	Espargos	
SLF	Silifke	
SLFK	Silifke-Mersin	
SLFW	Sugar Loaf	
SLG	Sinonel	
SLGB	San Luis Gonzaga	
SLGI	Shiliguri	
SLGT	Liugui	
SLH	Sleepy Hollow	
SLHN	Bingol, Solhan-Merkez	
SLI	Saint Lucia	
SLIND	Selinda	
SLIT	Slitere, Latvia	
SLIU	Shizi	
SLK	Susurluk	
SLKI	Saumlaki	
SLKM	Skilak Lake	
SLKY	Flemingsburg	FLKY
SLL	Stollet	
SLM	Saint Louis	
SLM1	Salmas. Az.Gharbi	
SLMH	Al Salmeh	
SLMT	Seeley Lake	
SLMY	Selimiye	
SLN	Salinas	
SLNA	Salina	
SLNF	Slenfeh	
SLNR	Muhor-Tarhata, Altay Republic, Russia	
SLNS	Linosa	
SLOB	Salo'	
SL-ON	Sault Sainte Marie	
SLOP	Locarno, Pompieri	
SLOR	San Lorenzo - Cotopaxi	
SLOZ	Alcaldia de San Lorenzo	
SLP	San Antonio	
SLP01	Ubatuba-SP	
SLPA	Patience	
SLPE	Piton Saint Espirit	
SLPK	Sellapark	
SLQ	Saint Louis du Ha Ha	
SLR	Silverton	
SLRCX	San Luis Rio Colorado	
SLS	Soengei Langka	
SLSO	Stonelick State Park	
SLT	Salta	
SLTA	Morne Tabac	
SLTC	Salton Sea Test Base	
SLTI	Sal'it	
SLTM2	Linthal, Matt	
SLTN	Sullivan	
SLU	San Luis	
SLUB	Luzern Bramberg	
SLUK	Luzern Kirche, LU	
SLUM	Salum	
SLUW	Luzern Werkhofstrasse	
SLUZ	Luzern Zentralbibliothek	
SLV	Seldovia	
SLVF	La Salvetat-Peyrales	
SLVN	Son La	
SLVP	Salvation Pass	
SLVR	Solovky	
SLVT	Silivri	
SLW	Petit Monier	
SLWR	Sila	
SLWS		
SLX	San Luis Ro Colorado	
SLY	Sulaymaniyah	
SM-	Seymour	SM-TX
SMA	Summerton	
SMA1	SAN MARTINO	
SMAA	Simav-Kutahya	
SMAG	Sao Miguel do Araguaia, GO, Brazil	
SMAI	San Martin Antarctic Base	
SMAJ	Sumiya	
SMAM	San Marcos	
SMAN	Sihmah	
SMAO	Martigny, Rue d'Octodure	
SMAR	Somma	
SMAV	Semnan-Aivanekay	
SMB	Samaipata	
SMB1	Colle San Martino	
SMBI	Sixmile Butte	
SMC	Somerset	
SMCB	Saint Mary's College	
SMCF	Saint Martin du Canigou	
SMCN	San Marcos	
SMCO	Snowmass	
SMCQ	St-Marc-des-Carrires	
SMD	Mendips	
SMDO	Samad	
SMDR	Samana, DR	
SMDT	Samandagi	
SME	Santa Rosa Mine	
SMELS	Mels Schulhaus Feldacker, SG	
SMET	Mascalucia	
SMF	Signal de Mont	
SMFL	Mauren, Feuerwehr, FL	
SMG	Samos	
SMG1	Vathi Samos	
SMGA	Sumqayit	
SMGL	SMGL	
SMGT	Moghavemat	
SMHA	Samh	
SMI	Simla	
SMIA	Simia	
SMIG	Universidad de El Salvador San Miguel	
SMIN	San Mina'	
SMIR	Smir Dam	
SMJ	Shimohsa	
SMJD	Shimonomoto	
SMJM	Simojovel	
SMK	Shimokamo	
SMKB	Mukjeong-gil	
SMKI	Samarinda	
SMKR	Semkarok	
SMKY	Sacramento	
SML	Sawmill	
SMLA	Simla	
SMLC	San Martn de Loba, Colombia	
SMLN	Simpson Lake, Nunavut	
SMLT	Sun Moon Lake	
SMM	Ste Marie-Mines	ECH
SMMC	Simmler	
SMMM	San Miguel	
SMMS	Six Mile Mountain	
SMN	Sleeping Mountain	
SMN1	Samana, DR	
SMNB	Stockdale Mountain	
SMNC	South Mountain	
SMNM	San Marcial	
SMNR	Sumner High School ANSS-SMO	
SMO	Santa Rosa Mountain	
SMOE	Moudon cole, VD	
SMOL	Smolenice	
SMORC	Sierra Morena, Bogot¡	
SMP	Somplago	
SMPI	Sarmi	
SMPL	Sampolo	
SMPN	Simpson Lake	
SMPP	San Manuel, Pangasinan, Philippines	
SMQ	Clarke City	
SMR	Semeru Mts	KEL
SMRA	Abu-Samra	
SMRC	Santa Marta, Magdalena	
SMRD	Mared	
SMRE	Semr	
SMRF	Simiane la Rotonde	
SMRH	Sumara - IBB Gov. - Yemen	
SMRI	Semarang	
SMRK	Smrekonice	
SMRM	Smir	
SMRN	Sveta Marina	
SMRT	St. Maarten	
SMS	Samos	
SMSC	Smeltzer Mountain	
SMST	Manzhou Township	
SMT	Sultan-Mazar	
SMTB	Santa Maria do Tocantins	
SMTC	Superstition Mountain	
SMTH	Samothraki Island	
SMTM	Monte Santa Maria Tiberina	
SMTN	Short Mountain	
SM-TX	Seymour	
SMU	Sunnyside Mine	
SMUK	Muraz-Klaeranlage	
SMUR	Muraz-Reservoire	
SMV	Samsville	
SMW	South Mountain	
SMWA	Shimwon	
SMWD	Samnorwood	
SMWM	Sugarloaf Mountain West	
SMX	San Miguel	
SMY	Shemya	
SMZW	Muttenz-Waldhaus	
SN-	Sunflower	SN-AZ
SN01	Snyder 1	
SN02	Snyder 2	
SN03	Snyder 3	
SN04	Snyder 4	
SN05	Snyder 5	
SN06	Snyder 6	
SN07	Snyder 07	
SN1	Capo Mulini Mare	
SNA	Sanae	
SNAA	Sanae	
SNAG	San Augustine	
SNAL	S. Angelo Dei Lombardi	
SNAR	Sennar	
SNART	Snartemo	
SN-AZ	Sunflower	
SNB	Saturna Island	
SNC	San Nicolas Island	
SNCC	San Nicolas Island	
SND	San Diego	
SNDA	J Saunders Place	
SNDB	Serra Nova Dourada	
SNDC	Sand Canyon	
SNE	Sinegor'e	
SNES2	Neuenburg, Observatorium, NE	
SNET	Serv Nac Est Terr	
SNF	Seneffe	
SNFQ	Sainte-Felicite	
SNG	Songkhla	
SNGB	Singi	
SNGE	Sanandaj	
SNGI	Sangi-Kar	
SNGR	Sinegor'e	
SNGS	Sinegor'e	
SNGT		
SNGZ	Shannon Station	
SNH	Sunshine Point	
SNH1	Catey	
SNI	Sanriku	
SNIB	St. Niklaus Bahnhofstrasse	
SNIO	Spokane Nat. Inst. Occ. Safety SMO	
SNIRB	San Nicol¡s	
SNIWA	Snively Ranch	
SNJ	Sinj	
SNJE	San Jose	
SNJI	Sawahan-Nganjuk, JISNET	
SNJR	Sundja	
SNJT	Kaohsiung City	
SNK	Salina	
SNKA	Sanak Island	
SNKL	Senekal, Freestate Province	
SNKN	Sanikiluaq	
SNL	Sevenhill	
SNLN	Sandy Lake, NWT	
SNLR	San Lorenzo-Esmeraldas	
SNM	Socorro	
SNN	Xining	
SNO	Snow College	
SNOP	Sinop	
SNOW	Snow King Mountain	
SNP	Sonepat	
SNP1	Sinop	
SNPH	Sibulan	
SNPL	CANTERA SAN PLACIDO	
SNPN	Snap Lake	
SNPY	Stony Point	
SNQN	Sanikiluaq	
SNQR	Sonqor, Kermanshah	
SNQU	Santaquin	
SNR	Schaffner Ranch	
SNR3	Senerchia	
SNRF	Cinco Dias	
SNS	San Onofre	
SNS1	Sansepolcro	
SNSI	Sinabang, Aceh	
SNST	Tainan City	
SNT	Sears Point	
SNT1	Gialos, Santorini	
SNT2	Vlychada, Santorini	
SNT3	Karterados, Santorini	
SNT5	Nea Kammeni, Santorini	
SNTD	Shikano	
SNTG	Esanatoglia	
SNTZ	Naters, Zentrum Missione, V	
SNU	Stansbury North	
SNUT	Stansbury North	
SNVI	San Vicente	
SNVZ	South Ngauruhoe	
SNW	Nanwan	
SNX	Sinaia	
SNY	Shenyang	
SNZ	Senzan	
SNZO	South Karori	
SO-	Sorel	SO-QB
SOA	Owia	
SOB	Sobradinho	
SOB1	Sobradinho	
SOB2	Sobradinho	
SOB3	Sobradinho	
SOB4	Sobradinho	
SOC	Sochi	
SOCA	Concha del hosiptal Solca	
SOCE	Pocosol	
SOCH	Soche	
SOCV	Socops	
SOCY	Socotra	
SOD	Sodankyla@14	
SODA	Al Sooda	
SODR	Sosua Marina Base	
SOE	Somerset East	
SOEG	Soedalen	
SOEI	Soe	
SOEJ	Jacaque	
SOEO	Opoqueri	
SOET	ToroToro	
SOF	Sofia	
SOFA	Sofades	
SOFI	Sofiko	
SOFL	Sornfelli, Faroe Islands	
SOFT	Gaziantep	
SOG	Santiaguito	
SOG2	Santiaguito 2	
SOH	Sokhos	
SOHO	SOHO	
SOI	Samo	
SOIM	Smimou	
SOK	Sop, Niakhar	
SOKA	Soboth	
SOKB	Sooke	
SOKR	Solikamsk	
SOKY	Sonora	
SOL	Solontsovaya	
SOLB	Solothurn Schulhaus Brhl	
SOLC	Bahia Solano	
SOLD	Mt. Soledad, San Diego	
SOLI	Solitaire	
SOLO	Sioux Lookout	
SOLS	Olten Spital, SO	
SOLU	Sollefteaa	
SOLUN	Solunto	
SOLZ	Solothurn, Zeughausgasse	
SOM	Sombrero	
SOMA	Soma-Manisa	
SOMAC	Volcano de Colima	
SOMF	Saint-Ouen-de-Mimbre - 72305 - Sarthe - France	
SOMN	Somoto	
SON	Sonneberg	
SONA	Sohna	
SONA0	Songino Array Site A0	
SONA1	Songino Array Site A1	
SONA2	Songino Array Site A2	
SONA3	Songino Array Site A3	
SONA4	Songino Array Site A4	
SONB1	Songino Array Site B1	
SONB2	Songino Ar. Site	
SONB3	Songino Array Site B3	
SONB4	Songino Array Site B4	
SONB5	Songino Array Site B5	
SONE	Songea	
SONG	Songo	
SONM	Songino Array Beam Reference Point	
SONS	AGAPE Sonsonate	
SONY	Sodus	
SONZ	Sonzapote	
SOO	Sioux Lookout	
SOOO	DHOFAR2 - YR	
SOOWA	Sowa	
SOP	Sopron	
SO-QB	Sorel	
SOR	Soroa	
SORM	Soroca	
SORT	Sorpetalsperre	
SOS	Soda Springs	
SOSO	Vda. Mambiloma	
SOSW	Source of Smith Creek	
SOTA	Rioblanco	
SOTI	Planta Incahuasi	
SOTR	Stolb	
SOTS	Sotra	
SOU	Souberoche	
SOUA	Southern Oregon Univeristy DOGAMI SMO	
SOV	Savoonga	
SOX	Sue Hot Springs	
SOYA	Alcaldia de Soyapango	
SP2	Seward Park 2	
SP7	Salto Pilao - PR	
SPA	South Pole	
SPA0	Spitsbergen Array Site A0	SPITS
SPA1	Spitsbergen Array Site A1	
SPA2	Spitsbergen Array Site A2	
SPA3	Spitsbergen Array Site A3	
SPAC	SPA	
SPAHL	Spahl	
SPAK	Spaichingen-Kochelsberg	
SPB	Sao Paulo	
SPB1	Spitsbergen Array Site B1	
SPB2	Spitsbergen Array Site B2	
SPB3	Spitsbergen Array Site B3	
SPB4	Spitsbergen Array Site B4	
SPB5	Spitsbergen Array Site B5	
SPBA	Sand Point BB	
SPBC	San Pablo de Borbur, Boyac	
SPBG	Spurr Blockage Glacier	
SPBR	Spulber	
SPC	Skalnate-Pleso	
SPCA	San Pietro in Casale	
SPCG	Spurr Capps Glacier	
SPCH	San Pedro de Atacama	
SPCI	Split Crater	
SPCN	Chakachatna North Broadband	
SPCP	Crater Peak Broadband	
SPCR	Spurr Chakachatna River	
SPD	Saint Peter's Dome Lookout	
SPE	Xi'an	XAN
SPF	St-Paul-en-Foret	
SPFD	Spotsylvania Fire Department	
SPFS	Springfield	
SPG	Saltpond	
SPG2	Springville 2	
SPGR	Shapsug	
SPH	San Pedro Hill	
SPI	Saint Paul Islands	
SPIA	Saint Paul Island	
SPIE	Spinoso	
SPIF	crte de Spivol - 06156, Venanson - Alpes-Maritimes - Provence-Alpes-Cte d'Azur	
SPIG	San Pedro Martir	
SPIL	Cristobal, Colon	
SPIN	Swan Pond Ditch	
SPINE	Spinea	
SP-IS	Saint Paul	
SPITS	Spitsbergen Array Beam Reference Point	
SPIZ	Spitak	
SPJ	Spur Tree	
SPJN	Shinpukuji	
SPK	Scotts Peak	
SPL	Spiridon Lake	

Code	Station Name	Other
SPLB	Strathcona Park Lodge	
SPM	Ship Mountains	
SPM1	San Pedro UASD	
SPMC	San Pedro Martir, SPM	
SPMM	Sapulut	
SPMN	Marine on St. Croix	
SPN	Mys Shipunski	
SPN5	Spine 5 MSH Spider	
SPNC	Sapanca-Adapazari	
SPNN	North Nagishlamina, Mt. Spurr	
SPNW	Spurr Northwest	
SPNY	Stone Ridge	
SPO	Spokane	
SPP	Saint Paul	
SPP1	Sappes Rodopi	
SPR	Saint Pierre	
SPR3	Spring Creek 3	
SPRD	Spring Road, Mineral	
SPRG	Spotted Range	
SPRM	Split Rock	
SPS	San Pedro Poas	
SPS2	Spezzano della Sila	
SPSI	Sidrap Palu	
SPSY	Saint Peters School	
SPT	South Point	
SPU	Mount Spurr	
SPUT	South Promontory Point	
SPV	Sa-pa	
SPVI	Shoe Peg Valley	
SPVL	San Pietro Avellana	
SPW	Seward Park	
SPWE	Spurr West	
SPX	San Pedro Martir	
SPY	Shingle Point	
SPY1	Spijk (Roodeschool)	
SPY2	Spijk (Roodeschool)	
SPY3	Spijk (Roodeschool)	
SPY4	Spijk (Roodeschool)	
SPZA	Spitak	
SQD	Susqueda	
SQF	Squaw Harbor	
SQ-IS	Shemya	
SQK	Squaw Creek	
SQM	Sequim	
SQR	Saqqara	
SQTA	Sankt Quirin	
SQU	Squaw Peak	
SQUM	Sultan Qaboos University, Muscat	
SQX	San Quintin	
SR-	Sparta	SR-OR
SR41	SR410 Landslide	
SRA	San Ramon	
SRA1	San Ramn	
SRAK	Srakaew	
SRAM	San Ramn-Volc¡n Cotopaxi	
SRAT	Sarat Abidah	
SRB	Samuel	
SRBA	San Rafael, Buenos Aires, Puntarenas	
SRBC	Serra Branca	
SRBF	Surbourg	
SRBH	Sirabahal	
SRBI	Singaraja	
SRC	Salinas Radio Site	
SRCG	Sart'ichala	
SRCK	Saricakaya, Eskisehir	
SRD	San Andres	
SRDE	Serd	
SRDI	Scrawed	
SRDN	Sording	
SRDR	Sredinnyy	
SRDT	SRDT	
SRE	Strehaia	
SRER	Reinach, Rainenweg	
SRES	S.Oreste - Soratte	
SRF	Snake Ranch	
SRFA	Sharaf	
SRFHA	Rafha	
SRFW	Rheinfelden, Werkhof, AG	
SRG	Seaman Range	
SRGN	SRI GANGA NAGAR	
SRGR	Sergiyevskiy	
SRH	Rilland Hill	
SRHB	Riehen-Baumlih	
SRHE	Riehen, Erlenstrsschen, BS	
SRHH	Riehen, Zur Hoffnung, BS	
SRHM	Skhour des Rehamma	
SRI	Sefi@18d Ru@18d	
SRIG	Santa Rosalia	
SRIN	SRINAGAR	
SRIT	Nakonsritamarat	
SRJ	Sugihara	
SRJD	Shirakawa	
SRK	Sredniy Kalar	
SRKG	Sareki	
SRKH	Sarakhs	
SRKR	Sorokina	
SRKY	Kupres RS	
SRL	Santa Rosalia	
SRLM	Srisailam	
SRLN	Sarcpa Lake, Nunavut	
SRM	Socorro	
SRMB	Sarakhs	
SRMH	Minami-Gairin	
SRMY	Scherman	
SRN	Sarande	
SRN3	Sant'Arsenio	
SRNA	Sarnano	
SRNB	Snider Mountain Ranch	
SRNF	Nancay - 18159 - Cher - Centre-Val de Loire	
SRNI	Srinagar	
SRNR	Reinach, Reinacherhof	
SRO	Srobarova	
SRO1	Iza	
SRO2	Moca	
SROF	Saint-Romphaire - Manche - Normandie - France	
SROH	Shade River State Forest Ohio	
SR-OR	Sparta	
SRP	Santa Rosa	
SRPD	Savannah River	
SRPE	Suurupi	
SRPI	Serui, Papua	
SRPN	Savannah River	
SRPW	Savannah River	
SRQ	San Roque	
SRR	Isla Socorro	
SRRS	Sarahart	
SRS	Serrai	
SRS1	Serres	
SRSL	SARDASHT	
SRSP	Sriramsagar	
SRT	Sarutani	
SRTC	Snort	
SRTK	Saratovka	
SRTM	Siirt_Merkez	
SRU	San Rafael Swell	
SRV	Santa Rosalia	
SRVN	Saravan	
SRW	Sariwon	
SRY	Shiroyama	
SS-	Sanderson	SS-TX
SS01	Susuman-Seymchan profile, station 01	
SS02	Susuman-Seymchan profile, station 02	
SS03	Susuman-Seymchan profile, station 03	
SS04	Susuman-Seymchan profile, station 04	
SS05	Susuman-Seymchan profile, station 05	
SS06	Susuman-Seymchan profile, station 06	
SS07	Susuman-Seymchan profile, station 07	
SS08	Susuman-Seymchan profile, station 08	
SS09	Susuman-Seymchan profile, station 09	
SS10	Susuman-Seymchan profile, station 10	
SS2	San Sevaine	
SS40	Seymchan - Ulakhan Temp Deploy	
SS41	Seymchan - Ulakhan Temp Deploy	
SS42	Seymchan - Ulakhan Temp Deploy	
SS62	Tal-Yuryakh Coal Mine	
SSA	Susara	SSR
SSAN	Sangsangzhen, Xizang Zizhiqu	
SSB	Saint Sauveur en Rue	
SSB3	San Sossio Baronia	
SSBA	Shishaldin	
SSC	Saint Sauveur de Carouges	
SSCN	Schweizerhalle, Novartis	
SSCV	Sassocorvaro	
SSD	Sandimen	
SSE	Sheshan	
SSF	Saint Saulge	
SSF1	Saint Saulge	
SSFO	Shawnee State Forest Ohio	
SSFR	Montelago di Sassoferrato	
SSG	Sans Toucher	
SSH	Sunshine	
SSHA	Shanhua	
SSHG	Shadegan	
SSI	Semisopochnoi Island	
SSIB	Saltspring Island	
SSIG	Sanalona	
SSJ	Shinshu-shinm'i	
SSK	Sunset Peak	
SSKAK	SSKAK	
SSKY	Summer Shade	
SSL	Sunset Lake	
SSLB	Suanglung	
SSLN	Shishaldin North	
SSLS	Shishaldin South	
SSLW	Shishaldin West	
SSM	Saint Martial	
SSM1	San Severino Marche	
SSMS	St. Maurice, Haute cole pdagogique du Valais, VS	
SSN	San Juan del Sur	
SSNM	Sessano del Molise	
SSNN	San Juan del Sur	
SSNO	Creighton Mine,Sudbury	
SSO	Sasso d'Italia	
SSOR	Sweet Springs	
SSP	Shoshone Peak	
SSP1	Stoney Pound	
SSP9	Sansepolcro	
SSPA	Standing Stone	
SSPO	Sycamore State Park Ohio	
SSPT	Xinbi	
SSQ	Sandspit	
SSR	Susara	
SSRD	Sdr. Stenderup	
SSS	San Salvador	
SSS1	John Stanford Center Downhole Anss-SM	
SST	Susitna	
SSTS	Stans, Spital NW	
SS-TX	Sanderson	
SSU	San Pedro Sula	
SSUO	Shawnee State University	
SSV	Crater Summit	
SSV2	Sao Salvador	
SSW	Stow on the Wold	
SSX	SS1	
SSY	Sortino	
SSYS	Sasyr	
SSZ	Sekisonzan	
ST-	Stillwater	ST-NV
ST00	South Deqen	
ST01	Deqen	
ST01S	Kamchatka temporary site	
ST02	North Deqen	
ST02S	Kamchatka temporary site	
ST03	South Boqe	
ST03S	Kamchatka temporary site	
ST04	Boqe	
ST05	North Boqe	
ST06	East Boqe	
ST07	Xuru	
ST08	North Xuru	
ST09	South Palgon	
ST1	Streeter	ST1TX
ST10	Palgon	
ST11	North Palgon	
ST12	Maintong	
ST12A	North Maintong	
ST13A	West Mington	
ST14	South Pangkog	
ST14A	Pangkog	
ST15	North Pangkog	
ST15A	South Serting	
ST16	Serting	
ST16A	Northeast Serting	
ST17	North Serting	
ST17A	South Bangong	
ST18	Southwest Bangong	
ST18A	East Bangong	
ST18S	Temporary aftershock station near Magadan	
ST19	Bangong	
ST19A	North Bangong	
ST1S	Stepanavan 1	
ST1TX	Streeter	
ST2	Streeter	ST2TX
ST20	Northwest Bangong	
ST20S	Temporary station #20	
ST21	South Bangong Suture	
ST21A	Bangong Suture	
ST21S	Temporary station #21	
ST22	North Bangong Suture	
ST22A	Northwest Bangong Suture	
ST22S	Temporary station #22	
ST23	Southeast Heping	
ST23A	Southwest Heping	
ST23S	Temporary station #23	
ST24	South Heping	
ST25	Heping	
ST25A	North Heping	
ST26	Southwest Doima	
ST26A	South Doima	
ST27	Doima	
ST28	North Doima	
ST29	Northeast Doima	
ST2S	Stepanavan 2	
ST2TX	Streeter	
ST30	West Twin Lake	
ST31	Northwest Twin Lake	
ST32	South Thanglha	
ST33	South Jangngalda	
ST34	Jangngalda	
ST35	North Jangngalda	
ST36	Nowhere	
ST37	North of River	
ST38	More Nowhere	
ST39	Middle Nowhere	
ST4	Streeter	ST4TX
ST40	Last Nowhere	
ST4TX	Streeter	
ST7	Stepanavan 7	
STA	Satara	
STA0	Thessaloniki S.S. Downhole	
STA1	Thessaloniki S.S. Downhole	
STAB	Staufenbuehl	
STAC	Stalkov	
STAF	Tafers	
STAG	Santiago	
STAIM	STAIM	
STAL	STALIGIAL	
STAN	Stanford	
STAR	Star City	
STAT	Sint Eustatius	
STAU	Staufen im Breisgau	
STAV	Stavanger	
STAX	Taxiarchis Harbor, Nea Kameni, Santorini Island.	
STB	Steinbach	
STBN	Sutton Bonington	
STBO	Bollwiller	
STBON	St. Boniface College	
STBT	Saitabat	
STC	Stone Canyon Observatory	
STCAT	Veraguas	
STCC	Santa Clara	
STCH	Steam Cracks	
STCN	STCN	
STCO	Saint Catharines	
STCR	Santa Cruz	
STCV	Stivos	
STCW	Studenec	
STD	Studebaker Ridge	
STDB	Stepnoy Dvorets	
STDG	Sesta Godano	
STDO	Santo Domingo	
STDR	Stavd-Durt	
STE	Stepanavan	
STE00	Stenlille00	
STE01	Stenlille01	
STE02	Stenlille02	
STE03	Stenlille03	
STE04	Stenlille04	
STE05	Stenlille05	
STE06	Stenlille06	
STEB	Steborice	
STEF	Stefani	
STEI	Steigen	
STEIN	Stein am Rhein	
STEP	BALIKESIR_Savastepe	
STET	Saint-Etienne-de-Tinee	
STEV	Stivos	
STEW	Steamboat Mountain	
STEZ	Stepenevan	
STF	Statfjord A Platform	
STFAR	Stefanesti-Arges	
STFL	Fournets-Luisans, 25288, Doubs, Franche-Comt	
STFN	Stefani	
STFQ	Sainte-Ursule	
STFR	Stefanesti	
STG	Strathgordon	
STG3	Santiaguito 3, El Palmar	
STGK	St. Gallen Kloster	
STGR	Santa Cruz	
STGV	Strathgordon Vge	
STH	Stony Hill	
STHE	Hesingue, 68135, Haut-Rhin, Alsace	
STHK	Thun, Kantonsschule BE	
STHS	Stebnicka Huta	
STI	Star Valley	
STIA	Sitia Lasithi	
STIA3	Santiago, Veraguas	
STID	Stanley	
STIEG	Stiegenhof Hundestation	
STIL	E St Louis HE Ctr	
STIP	Stip	
STJ	Saint John's	
STJA	Cape St.James	
STJN	Saint John's	
STK	Stephens Creek	
STKA	Stephens Creek	
STKI	Sintang	
STKP	Saint Kitts	
STKZ		
STL	Santa Lucia	
STL1	Stavrpu;p[is Thessaloniki	
STLD	Highbank	
STLK	Strandline Lake	
STLN	Stellar Camp, Hudson Bay	
STLY	Stiles	
STM	Slate Mountain	
STMA	St. Maarten, Airport	
STMI	Saint Michael	
STMMX	Plaza Santa Maria, STM	
STMR	SITAMARHI	
STMT	Stillwater Mine	
STN	Seatoun	
STN3	Satriano di Lucania, Italy	
STNA	SANTA ANA	
STNC	Stoke	
STNU	Starunia	
ST-NV	Stillwater	
STO	Stonyhurst	
STOF	St-Etienne Orgue	
STOK	Stokkvaagen	
STOK1	Konsvik	
STOK2	Flostrand	
STON	Ston	
STOQ	Stoneham	
STP	Stepladder Mountains	
STPQ	St-Pascal	
STPRA	Salt Prairie Lookout Tower, Alberta	
STR	Strasbourg	
STR2	Strathalbyn	
STR3	STROMBOLI 3	
STR4	STROMBOLI 4	
STR5	Stromboli 5	
STRD	Stroud	
STRE	Sannotorii	
STROF	presqu'le de Saint-Tropez - 83065, Gassin	
STRR	Strizhament	
STRS	Struganik	
STRT	Eaton	
STRU	Stroemstad	
STRW	Triesenberg, Werkhof, FL	
STS	Santiago	
STSP	Tschierv	
STSW2	Zeuzier, Stausee VS	
STT	Seattle	
STTC	Scott Ranch	
STU	Stuttgart	
STUF	Presbytere Uffheim, 68341 Uffheim, Haut-Rhin	
STUQ	Sainte-Ursule	
STUT	Stuttgart, Hoppenlaufriedhof	
STV	Sant Anna di Valdieri	
STV1	Stavros	
STV2	Sant' Anna di Valdieri 2	
STVI	Saint Thomas	
STW	Striped Peak	
STW1	West of Nyma	
STWA	Stillwater	
STX	Station 2	
STY	Stony River	
STYH	Taoyuan	
STYT	Tauyuan	
STZ	Stratford	
STZU	Stuzhytsa	
SU-	Schuyler	SU-VA
SU01	SU01	
SU02	SU02	
SU03	SU03	
SU04	Teulada	
SU05	Cortoghiana (CI)	
SU06	San Giovanni Suergiu(CI)	
SU07	SU07	
SU08	Maladroxia -SantAntioco (CI)	
SU09	Sa Scrocca - Sant'Antioco (CI)	
SU10	Le Tonnare- Carloforte (CI)	
SU11	Seruci (CI)	
SU12	Porto Botte (CI)	
SU13	Perdaxius- Is Atzoris (CI)	
SU14	Gonnosfanadiga (VS)	
SU15	SU15	
SU2	Superstition Mountain	
SU26	Carbonia-Iglesias, Loc. Su Bruncu	
SUA	Susitna One	
SUB04	SU04	
SUB05	SU05	
SUB06	SU06	
SUB08	SU08	
SUB09	SU09	
SUB10	SU10	
SUB11	SU11	
SUB12	SU12	
SUB13	SU13	
SUB14	SU14	
SUBA	Subi	
SUBF	Surbourg	
SUBO	Sudbury	
SUBS	Subotica	
SUC	Sucre	
SUC1	Suceava	
SUCA	Sunchang	
SUCK	Suckling Hills	
SUCO	SUCO	
SUCR	Mariscal Sucre-Volc¡n Cotopaxi	
SUD	Sudbury	

Code	*Station Name*	*Other*
SUDU	Sudak	
SUE	Sulen	
SUE1	SUT1	
SUE2	SUT2	
SUE3	SUT3	
SUE4	SUT4	
SUF	Sumiainen	
SUFF	Suffern	
SUG	Sugar Island	
SUH1	Surhuizum	
SUH2	Surhuizum	
SUH3	Surhuizum	
SUH4	Surhuizum	
SUI	Sui-hua	
SUJ	Sinuiju	
SUK	Suckling Hill	
SUKH	Sukhothai	
SUKHU	Sukoro, SUKH	
SUKL	Sukala	
SUKO	Sukok	
SUKR	Sukko	
SUKT	Sukute	
SUL	Sulphur Creek	
SULA	Sulmona Autoparco	
SULB	Vanderhoof	
SULC	Sulmona Consorzio	
SULE	Dar Sule	
SULJ	Sultana	
SULM	Suchitepequez, La Maquina	
SULP	Sulmona Polizia	
SULR		
SULT	Sultanhani-AKSARAY	
SULU	AfricaArray/PSU - ZP	
SULZ	Cheisacher	
SUM	Sumoto	
SUMB	Sumbawanga	
SUMG	Summit	
SUMJS	Umluj	
SUN	Sunnyside	
SUND	Sunnydale, South Australia	
SUNG	orum-Sungurlu-Tatlsu	
SUNK	Sunasenri	
SUNO	Sudbury Onaping	
SUO	Sudbury	
SUP	Superstition Mountain	
SUP3	SUP3	
SUP5	SUP5	
SUP6	SUP6	
SUPC	Skalka u Prostejova	
SUR	Sutherland	
SURA	Surathani	
SURC	SANLIURFA_SURC	
SURF	Saint Ours	
SURI	Summit Reservoir	
SURQ	Ste-Clotilde	
SURR	Surduc	
SURT	Suratani	
SURV	Survey Creek	
SUS	Susaki	
SUSD	Miller	
SUSE	Susehri	
SUSI	Lugano, Universit d. Svizzera Italiana, TI	
SUSR	Susurluk-Balikesir	
SUSU	Bolu-G¶lynk-Susuz K¶y	
SUSZ	Shushi	
SUT	Suttsu	
SUT1	Suttsu	
SUTB	Sutter Butte	
SUTC	Sutluce-Isparta	
SUU	Santaquin Canyon	
SUUS	Susuman	
SUV	Suva	
SU-VA	Schuyler	
SUW	Suwalki	
SUZ	Suez	
SV-	Springerville	SV-AZ
SV2	Schefferville	SV2QB
SV2QB	Schefferville	
SV2X	San Vicente	
SV3	Schefferville	SV3QB
SV3QB	Schefferville	
SVA	Suva	
SVAC	Casa de Sandra Vaca-San Rafael	
SVAM	Vaz, Muldain	
SVAN	Silvan-Diyarbakir	
SVAU	Svanoeiden	
SV-AZ	Springerville	
SVB	Belmont	
SVBS	Severo-Baykalsk	
SVC	Silver Creek	
SVCV	St. Vincent, Congo Valley	
SVD	Seven Oaks Dam	
SVE	Sverdlovsk	
SVEJ	Vevey Jardin du Rivage, VD	
SVG	Indian Gallows	
SVGA	Savoonga	
SVI	Saint Vincent	
SVIC	Surveyors Ice Cave, Newberry	
SVIL	Visp Littennaring	
SVIN	Saint Vincent's CYO School for Boys, San Rafael	
SVIO	Visp Obere Stapfengasse	
SVIS	Svilajnac	
SVISP	Visp, Lonza VS	
SVIT	Visp-Terbinerstrasse	
SVK	Severo-Muysk	
SVKR	Severomuysk	
SVL	Baleine	
SVLR	Shiveluch	
SVM	Silver City	
SVMA	Madeiral	
SVMT	Summit Valley	
SVN	Savane Anatole	
SVNB	Stilesville Quarry	
SVO	Savo	
SVOC	Richmond Hill, Kingstown	
SVOH	Skagit Valley Community College ANSS SMO	
SVP	Silver Peak Range	
SVQ2	Quepos	
SVR	Savage River	
SVRC	Sivrice-ELAZID	
SVRH	Sivrihisar-ESKISEHIR	
SVS	Slandsville	
SVSK	Karacayir	
SVST	Sivas	
SVT	Saint Vincent	
SVT1	Savuti	
SVTA	Shivta	
SVTC	San Vito de Coto Brus	
SVTR	Two Rivers School, Snoqualmie Valley	
SVUR	Severouralsk	
SVV	Soufriere Volcano	
SVW	Sparrevohn	
SVW2	Sparrevohn	
SVX	San Vicente	
SVZ	Severnaya Zemlya	
SW-	Sweetgrass	SW-MA
SWA	Swan Island	
SWA1		
SWA2		
SWAJ	Obama	
SWAN	Swansea	
SWANH	Swansea Heads	
SWAS	Walenstadt, Sportplatz SG	
SWB	Southwest Bay	
SWD	Swaziland	
SWET	Sewanee	
SWF2	Southwest Flank, Mt. St. Helens	
SWFL	Southwest Flank Mount Saint Helens	
SWG	Swingate, Kent	
SWH	Southwest Rift	
SWHSA	Sweathouse Lookout Tower, Alberta	
SWI	Sorong	
SWID	South Whidbey SD ANSS-SMO	
SWIK	Wil, Kantonsschule, SG	
SWIP	Sombrero	
SWIS	Winterthur Spital, ZH	
SWK	Warminster	
SWL	Swaziland	
SWM	Sawmill	
SWM1	Swabi Mera	
SW-MA	Sweetgrass	
SWMT	Swartz Lake	
SWN	Stillwater	
SWN1	Swindon	
SWNG	Sheriff Wilson	
SWO	Sudbury	
SWO2	Suwon	
SWP	Swamp Creek	
SWQJ	Swaqa	
SWR	Swabi-Maira	
SWS	Schriesheim-Wilhelmstollen	
SWSC	Sam W. Stewart, Westmorland	
SWT	Sachs Harbour	
SWTN	Sewanee	
SWV	Swan View	
SWXO	Sudbury	
SWYZ	Schwyz, Kantonsschule Kollegium, SZ	
SWZ	Schweizer	
SWZ2	AfricaArray - AF, SWZ	
SX-	Salem	SX-SD
SXFK	Yanhouchang	
SXG	Sacranix	
SXI1	Grass Mountain	
SXM	Sixmile	
SXO	Sioux Lookout	
SX-SD	Salem	
SXT	Sachs Harbour	
SY-	Stickney	SY-SD
SYA	Sidi Yaiche	
SYD	Sydney	
SYDH	Sydney Hard Rock	
SYDS	Sydney Soft Rock	
SYI	Shuyak Island	
SYJ	Shimoyama	
SYKE	Friedhofskapelle bei Heiligenfelde	
SYKR	Syktyvkar	
SYL	Syllakh	
SYMB	Survey Mountain	
SYO	Syowa Base	
SYON	Say'un	
SYP	Santa Ynez Peak	
SYR	Smyrna	
SYS	San Ysidro	
SY-SD	Stickney	
SYT	Seydisehir	
SYU	Syuhurei	
SYVJ	Yverdon-Jordils	
SYVP	Yverdon-les-Bains, rue des Philosophes	
SYVR	Suvo	
SYZ	Scrubby Hill	
SZ-	Shoal	SZ-NV
SZAC	Souni	
SZAF	Shezaf	
SZBH	soultz borehole - etangs GEIE	
SZCU	Shurtz Canyon	
SZD1	Zahaedan-tmp	
SZE	Szeged	
SZEK	Zermatt, Kirche VS	
SZER	Zernez	
SZG	Shizugawa	
SZH	Strazhitsa	
SZ-NV	Shoal	
SZO	Sudbury	
SZP	Santa	
SZUZ	Zrich, Zeughauswiese	
SZVM	Salazar	
SZWD2	Zweisimmen Kirche, BE	
T0101	Poggio Santa Maria	
T0102	San Vittorino	
T0103	L'Aquila	
T0104	Madonna delle Grazie (Coppito)	
T0105	Valle d'Ocre (Ocre)	
T0106	Roio Piano	
T0107	San Pelino (Cagnano Amiterno)	
T0108	Poggio di Roio	
T0109	Coppito (AQ)	
T0110	Collepietro	
T0201	Case Giovannangeli - (Balsorano -AQ)	
T0202	Vitale (Isola del Liri - FR)	
T0203	Casalattico (FR)	
T0204	Pescasseroli (AQ)	
T0205	Ridotti (Balsorano, AQ)	
T031	T031	
T034	T034	
T035	T035	
T036	T036	
T037	T037	
T038	T038	
T039	T039	
T0401	Montottone (Fermo)	
T0402	Abbadia di Fiastra (Tolentino)	
T043	T043	
T044	T044	
T0501	Spinello di Santa Sofia (FC)	
T0502	Localit San Martino (Sarsina - FC)	
T0503	Loc. Pratieghi (Badia Tedalda - AR)	
T052	T052	
T053	T053	
T054	T054	
T056	T056	
T057	T057	
T058	T058	
T059	T059	
T05C	Eagle Field, Dos Palos	
T061	T061	
T065	T065	
T066	T066	
T067	T067	
T068	T068	
T069	T069	
T06C	Millerton Lake Dam, Friant	
T070	T070	
T0701	Viggianello (PZ)	
T0702	Acquaformosa (CS)	
T071	T071	
T0711	Rotonda (PZ)	
T0712	Santa Domenica Talao (CS)	
T0715	Campotenese	
T0716	Rotonda - Contrada Piano Incoronata (PZ)	
T0721	Laino Castello	
T0724	Tremoli - CS	
T073	T073	
T074	T074	
T075	T075	
T076	T076	
T077	T077	
T0800	Massa Finalese, Finale Emilia (MO)	
T0802	SanFelice sul Panaro (MO)	
T0803	Dosso, Cento (FE)	
T0805	Bondeno (FE)	
T0811	Palata Pepoli (BO)	
T0812	Loc. Stoppiaro, Poggio Rusco (MN)	
T0813	Massa Finalese, Finale Emilia (MO)	
T0814	Loc. Cortile, Carpi (MO)	
T0815	Correggio (RE)	
T0816	San Bartolomeo in Bosco (FE)	
T0817	Loc. Veratica, Salara (RO)	
T0818	Loc. Fossa, Concordia sulla Secchia (MO)	
T0820	Chiesuol del Fosso FE	
T0821	Loc. Casaglia - Ferrara (FE)	
T0822	Casumaru (Bondeno - FE)	
T0823	Castello D'Argile (BO)	
T0824	Loc. Limidi di Soliera, Soliera (MO)	
T0825	Gonzaga (MN)	
T0826	Rio Saliceto (MN)	
T0827	Moglia (MN)	
T0828	Loc. Fossoli, Carpi (MO)	
T0911	Castelpoggio (MS)	
T0912	Minucciano (LU)	
T0913	Tendola (MS)	
T0914	Serretta (MS)	
T0915	Sillano (LU)	
T0916	Careggine (LU)	
T1011	San Potito Sannitico (CE)	
T1012	Faicchio (BN)	
T10G	T10G	
T1101	Santa Maria Delle Macchie	
T11A	Corn Creek, Alamo	
T11G	T11G	
T1201	Domo (RI)	
T1202	Accumoli, Frazione Villanova (RI)	
T1204	Amatrice, Frazione Cossitto (RI)	
T1211	Morro Reatino (RI)	
T1212	Cascia, Frazione Avendita (PG)	
T1213	Norcia, Frazione Savelli (PG)	
T1214	Arquata del Tronto, Frazione Forca Canapine (AP)	
T1215	Vallo di Nera, Frazione Meggiano (PG)	
T1216	Preci, Frazione Castelvecchio (PG)	
T1217	Poggiodomo (PG)	
T1218	Civita (PG)	
T1219	Muccia, Frazione Massaprofoglio (MC)	
T1220	Camerino, Frazione Baregnano (MC)	
T1221	Campello sul Clitunno, Frazione Spina Nuova (PG)	
T1222	Castel Sant'Angelo (RI)	
T1241	Roccafluvione, Frazione Osoli (AP)	
T1242	Castelluccio di Norcia (PG)	
T1243	Rocca Santa Maria, Frazione Ceppo (TE)	
T1244	Arquata del Tronto, Frazione Spelonga (AP)	
T1245	Castelsantangelo Sul Nera (MC)	
T1246	Crognaleto (TE)	
T1247	Pizzolo (AQ)	
T1256	Bolognola (MC)	
T12A	Moapa	
T12G	T12G	
T13A	Saint George	
T13G	T13G	
T1411	Guglionesi (CB)	
T1412	Lupara (CB)	
T1413	San Martino in Pensilis (CB)	
T1414	Larino (CB)	
T1415	San Leucio (CB)	
T14A	Hurricane	
T14G	T14G	
T14S	T14S	
T15A	Red Dirt Ranch, Kanab	
T15G	T15G	
T16A	Glen Canyon Dam (NPS), Page	
T16G	T16G	
T16S	T16S	
T17A	Navajo Res., Navajo Mountain	
T17G	T17G	
T18A	Mexican Hat	
T18G	T18G	
T18S	T18S	
T19A	Beclabito	
T19G	T19G	
T1BD	T1BD	
T1BG	T1BG	
T1MG	T1MG	
T21A	Navajo Lake, Ignacio	
T21G	T21G	
T22A	Edith	
T22G	T22G	
T23A	Casias Ranch, Antonito	
T24A	Torres, Weston	
T24B	San Luis	
T24G	T24G	
T25A	Trinidad	
T25G	T25G	
T26A	Comanche National Grassland Park, Kim	
T26G	T26G	
T27A	Campo	
T27G	T27G	
T28A	Walsh	
T28G	T28G	
T29A	Hugoton	
T29G	T29G	
T2BD	T2BD	
T2BG	T2BG	
T2MG	T2MG	
T30A	Plains	
T30G	T30G	
T30S	T30S	
T31A	Randall Ranch, Ashland	
T31G	T31G	
T32A	Huddler Ranch, Lake City	
T32G	T32G	
T33A	Patterson Ranch, Waldron	
T33G	T33G	
T33K	Petersburg	
T34A	McClaskey Farms, Geuda Springs	
T34G	T34G	
T35A	Sooner Cattle Company, Foraker	
T35B	Sooner Cattle Company, Foraker	
T35G	T35G	
T35M	Bob Quinn	
T36A	Boggs Farm, Caney	
T36G	T36G	
T37A	Cheneyville 1850, Columbus	
T37G	T37G	
T38A	Diamond	
T38G	T38G	
T39A	Clever	
T39G	T39G	
T3BD	T3BD	
T3BG	T3BG	
T3MG	T3MG	
T40A	Mansfield	
T40G	T40G	
T40S	T40S	
T41A	Mountain View	
T41G	T41G	
T41S	T41S	
T42A	Van Buren	
T42G	T42G	
T42S	T42S	
T43A	Greenville	
T43G	T43G	
T44A	Benton	
T45A	Paducah	
T45B	Paducah	
T45G	T45G	
T46A	Princeton	
T46G	T46G	
T47A	Sharon Grove	
T48A	Bowling Green	
T48G	T48G	
T49A	Edmonton	
T49G	T49G	
T4BD	T4BD	
T4BG	T4BG	
T50A	Nancy	
T50G	T50G	
T51A	Gray	
T51G	T51G	
T52A	Hallie	
T52G	T52G	
T53A	Wise	
T53G	T53G	
T54A	Tazewell	
T54G	T54G	
T55A	Pulaski	
T55G	T55G	
T56A	Rocky Mt	

Code	*Station Name*	*Other*
T57A	Hurt	
T58A	Grand View Acres	
T59A	Double "B" Farms	
T5BD	T5BD	
T5BG	T5BG	
T60A	Surry	
T60G	T60G	
T60S	T60S	
T61G	T61G	
T6BD	T6BD	
T6BG	T6BG	
T6MG	T6MG	
T7BD	T7BD	
T7BG	T7BG	
T7MG	T7MG	
T801	T801	
T802	T802	
T803	T803	
T804	T804	
T805	T805	
T806	T806	
T807	T807	
T808	T808	
T809	T809	
T810	T810	
T811	T811	
T812	T812	
T813	T813	
T814	T814	
T815	T815	
T816	T816	
T817	T817	
T818	T818	
T819	T819	
T820	T820	
T897	T897	
T898	T898	
T899	T899	
T8MG	T8MG	
T998	T998	
T999	T999	
T9BG	T9BG	
TA01	Diego Aracena	
TA02	Huaiquique	
TA1	Taranto	TTI
TAA	Terre Adelie	
TAAN	Batan	
TAB	Tabri@18z	
TAB1	Tabriz	
TABAC	Tabacon	
TABB	Tabernacle Mountain	
TABL	Table Mountain	
TABN	Tabernacle	
TABO	School, Debre Tabor	
TABO3	Taboga, Panama	
TABP	Talibon, Bohol	
TABS	Tabas	
TABU	Tabubil	
TABZ	Tabriz	
TAC	Tacubaya	
TACA	TACA	
TACH	Talagante	
TACO	Tacachico	
TACS	Tanaga Cape Sajaka	
TACV	Tcata	
TAD	Tadotsu	
TADQ	Tadoussac	
TAE	Taegu	
TAF	Taforalt	
TAF1	Taif	
TAFL	Tanaga Flats	
TAFO	Arafo	
TAFP	Tanaga Falls Point	
TAFT	Taft - Yazd	
TAG	Tarade	
TAGA	Panbu Gunsar	
TAGO	Cartago	
TAGU	TAGU	
TAH	Tahiti	
TAHA	Taeha	
TAHB	Tahsis	
TAHO	Taholah School, Taholah	
TAHR	Tahoe	
TAHT	Tahtakopru-Hatay	
TAHZ	Taraponui	
TAI	Tainan	
TAI1	Yung-k'ang	
TAI2	Tainan City	
TAIA	Teain	
TAIF	At Ta'if	
TAIL	Tailep, Kuzbass, Russia	
TAIS	Taisha	
TAIZ	Ta`izz	
TAJ	Tanegashima	
TAJ2	Tanegashima 2	
TAK	Takaka	
TAKK	Taka-dake	
TAKN	Takayama	
TAKO	Tahkenitch	
TAL	Talara	
TALB	Tatla Lake BC	
TALC	Talca	
TALL	Tallowa Pump Stn	
TALM	Tallowa	
TAM	Tamanrasset	
TAM2	Geoscope - G, TAM	
TAMA	Ej. Tamaulipas	
TAMA1	TAMSEIS 9900, AN1	
TAMA2	TAMSEIS 9900, AN2	
TAMA3	TAMSEIS 9900, AN3	
TAMA4	TAMSEIS 9900, AN4	
TAMA5	TAMSEIS 9900, AN5	
TAMA6	TAMSEIS 9900, AN6	
TAMA7	TAMSEIS 9900, AN7	
TAMA8	TAMSEIS 9900, AN8	
TAMA9	TAMSEIS 9900, AN9	
TAMB	Tambo	
TAMC	Tame, Arauca	
TAME	Tamenglong	
TAMH	Tambohuasha Chimborazo	
TAMR	Tamra	
TAMRE	El Minia	
TAN	Tananarive	
TANA	Aaga	
TANB	Taean	
TANI	Tanete Lipujang	
TANM	Chiapas	
TANN	Tannenbergsthal	
TANO	Tanaga North	
TANS	Tal'yany, Baikal	
TANT	Tantan	
TANV	Tanna	
TAO	Talbingo	
TAOE	Nuku Hiva Island	
TAP	Taipei	
TAP1	Taipei	
TAPA	Tanaga Point Aries	
TAPN	Taplejung	
TAPR	Tapar	
TAPT	Tabas- Tapeh tagh	
TAR	Taranto	
TAR1	Taranto	
TAR2	Tarbela	
TARA	Tarawa	
TARAI	Tarakan	
TARAT		
TARG	Taragay, Kyrgyzstan	
TARIF	Tarifa	
TARO	Arona	
TART	Taranto	
TARU	Tarkhankut	
TARW	Grand Targhee Resort	
TARZ	Mount Tarawera	
TAS	Tashkent	
TASB	TASBURUN-IGDIR	
TASE	Tanaga Southeast	
TASH	Kencho	
TASL	Snake Pit, Albuquerque Seismic Lab	
TASM	ASL Pad, Albuquerque Seismic Lab	
TASP	Talacogon, Agusan del Sur	
TASR	Tashtagol	
TAT	Tateyama	
TATA	Tatamba Isabel	
TATC	Tatama	
TATH	Tatsuka	
TATJ	Tateyama 2	
TATM	Tatong	
TATN	Tataouine	
TATO	Taipei	
TATR	Tatarca	
TATRI	Thathri	
TATS	Tathlith	
TATV	Tatvan	
TAU	Tasmania University	
TAUL	Tau Lekoa	
TAUS	Tauisk	
TAUT	Tautenburg	
TAV	Tavurvur	
TAV1	Tavarnelle	
TAVA	DENIZLI_Tavas	
TAVE	Taveuni	
TAVF	Tavernes	
TAW	Tawu	
TAWA	Tawang	
TAWH	Dawu Township	
TAY	Tayabas	
TAYS	Tayyib Ism	
TAZ	Tarawera	
TB01	Gubbio	
TB02	Pietralunga	
TB03	Pietralunga	
TBBG	TBBG	
TBC	Trig B	
TBG	Guadaloupe-3	
TBGR	Tabaga	
TBH	Brigand Hill	
TBHD	Torbat heydarieh	
TBI	Tubuai	
TBIO	Turbio	
TBJI	Tambak Boyo	
TBJM	Torbat-e-JAM	
TBK	Tabalakh	
TBKS	Tabuk	
TBL	Tabele	
TBLA	Tarbella	
TBLG	Delisi	
TBLN	Tablon, Guarco	
TBLU	Trondheim	
TBM	Table Mountain	
TBO	Thunder Bay	
TBOT	Tacuaremb	
TBP	Tagbilaran	
TBPA	Tacoma Substation	
TBR	Table Rock	
TBRR	Tiberkul'	
TBS	Tobishima	
TBS2		
TBS3	Volcan, TBS2	
TBT	Taburiente	
TBTG	Tabatinga, AM	
TBTR	Tabat	
TBVI	Tortola	
TBW	Brentwood	
TBY	Torsby	
TBZ	Trabzon	
TC-	T or C	TC-NM
TCA	Tanti	
TCAS	Cass Winery, Paso Robles	
TCBC	Telegraph Creek	
TCBU	Trout Butte	
TCBUT	Trout Creek Butte at 3-Sisters	
TCC	Turnbull Canyon	
TCE	Chacachacare	
TCF	Toulx Ste Croix	
TCG	Tacana	
TCH	Chimkent	CHM
TCHA	Chavao	
TCHB	Talchebab	
TCHG	Chaguaramas	
TCHI	Chimiche	
TCHL	Shandon	
TCHZ	Tchakhmakh	
TCK	Tuttle Creek Reservoir	
TCKMX	Roa, TCK	
TCM	Tucuman	
TCMO	Camaiore	
TCN	Toconce	
TC-NM	Truth or Consequences (T or C)	
TCNV	Thirsty Canyon	
TCO	Three Creek Meadows	
TCOL	CIGO, UAF Yankovich Road, Fairbanks	
TCP	Tocopilla	
TCPM	Tecamachalco	
TCPZ	Tecapa	
TCR	Colchester	
TCRU	Three Creeks Reservoir	
TCS1	Tacares	
TCSI	Telchick Spring	
TCSL	Casola in Lunigiana	
TCSO	Tacares	
TCT	Tennessee City	
TCU	Taichung	
TCUP	Taichung Port	
TCUT	Toone Canyon	
TCVU	Timpanogos Cave	
TCW	Tory Channel	
TCX	Tecpatan	
TCY	Tin City	
TD-	Tres Piedras	TD-NM
TDA	Talladega	
TDAG	Tekirdag	
TDBA	Terre de Bas, Les Saintes	
TDC	Trinidad (USA)	
TDC1	Tristan de Cunha	
TDCB	Techi	
TDD	Tadjoura Ara	
TDG	Tsikhis-Dzhvari	
TDH	Tom, Dick, Harry Mountain	
TDJ	Tadjoura	
TDJR	Todzha	
TDK	Taldyqorghan	
TDL	Tradedollar Lake	
TDM	Tucson Desert	
TDMT	Tunduma	
TDN	Todenfeld	
TD-NM	Tres Piedras	
TDR	Todoroki	
TDRA	Tendrara	
TDS	Terranova Sibari	
TDT	Tavil'dara	
TDV	Tam Dao	
TE-	Thule	TE-GL
TEB	Eastbourne	
TEBE	Entebbe	
TEC	Tlemcen	
TEC1	Magadan Thermoelectric Plant	
TECA	Tecapa	
TECM	TEC LaTrobe	
TECO	Alcaldia de Tecoluca	
TECR	Tecuci	
TEE	Teeples Ranch	
TEFE	Tefe	
TEGC	Jichi Village	
TEGH	Tema	
TEGI	Teggiano - Istituto P. Leto	
TE-GL	Thule	
TEH	Tehran	
TEHA	Amirabad Tehran	
TEHZ	Te Atua	
TEIG	Tepich	
TEJ	El Tejon	
TEJU	Tejupilco	
TEK	Teekin	
TEK1	Thessaloniki EKO Refinery	
TEKE	Tekeli-Mersin	
TEKS	Tekeris	
TEL	Teeli	
TEL3	Telica 3	
TELN	Telica	
TEM	Temuco	
TEMBE	Tembe Elephant Park,KwaZulu Natal	
TEME	Temeni, Aigialia, West Greece	
TEN	Tenerife	
TENA	Tena	
TEND	Ethiopian Broadband Seismic Experiment	
TENO	El Achiote	
TEO	Teotitlan	
TEOL	Teolo	
TEP	Tecpan	
TEPE	Tepekoy-Mersin	
TEPI	Tepic	
TEPK	Tepekoy-MERSIN	
TEPV	Terepaima	
TER	Terranova	
TER01	Tubaro-SC	
TERC	Ethiopian Broadband Seismic Experiment	
TERE	TERE	
TERF	Tercis-les-Bains	
TERO	Teramo	
TERP	Poasito	
TERR	Teriberka	
TERV	Terraza Guagua	
TES	Teshikaga	
TESP	La Esperanza	
TESR	Tescani	
TET	Tete	
TETE	Tete	
TETM	Tetitlan	
TETR	Tetrakomo, Epirus, Greece	
TETT	Tettnang	
TEVE	Tevekalti-Mersin	
TEY	Ternei	
TEYL	Yanliau Village	
TEZP	TEZPUR	
TF-	Taft	TF-CL
TFAS	Fasnia	
TF-CL	Taft	
TFER	TFER	
TFIV	Fivizzano	
TFLT	Tafoughalt	
TFO	Tonto Forest Array	
TFO1	Folkestone	
TFRB	Telus,Franklin R.	
TFT	Tounfite	
TFUA	Ha apai	
TG-	Tongareva I.	TG-IS
TGA	Tangissart	
TGAL	Galeota Point, Trinidad and Tobago	
TGBT	Tuxtla Gutierrez	
TGI	Taghi Ghambar	
TGIG		
TG-IS	Tongareva Island	
TGJ	Targu Jiu	
TGJI	Tegal	
TGL	Tana Glacier	
TGMR	Targu Mures	
TGN	Turgen	
TGO	Tongo	
TGRV	El Tigre	
TGRZ	Tauranga	
TGS	TashGRES	
TGT	Taghat	
TGTN	Hyland Airport, Yukon	
TGUH	Tegucigalpa,Univ of Honduras	
TGUI	Guia de Isora	
TGV	Tuan Giao	
TGY	Tagaytay City	
THA	Thala	
THAK	Thakurichhap	
THAL	Thalero	
THAN	Thanula	
THAS	Thassos island	
THAZ	Thazima	
THC	Tehachapi Microwave	
THE	Thessaloniki	
THE6	Thessaloniki CITY Hotel	
THE7	Thessaloniki sewage pipe	
THEF	They Montfort	
THERA	Ancient Thera,Santorini,Greece	
THEZ	Tehuacan	
THI	Terre Haute	
THIG		
THIS	South End of Cholame Valley, Shandon	
THK	Tsim Bei Tsui	
THKV	Tehran--Karaj	
THL	Klokotos Trikala	
THMB	Thunder Mountain BC	
THN	Thein Dam	
THO	Tonto Hills Observatory	
THO1	Thor	
THOB	Mount Thompson	
THOR	Thorvaldshraun	
THP	Tara Hills	
THR	Tehra@18n	
THR1	Thera Island	
THR2	Thira island, Vourvoulos	
THR3	Thira Island, Nea Kammeni	
THR4	Thira Island, Oia	
THR5	Thira Island, Kera	
THR6	Thira Island, Akrotiri	
THR7	Fira-Santorini	
THR8	Santorini-Monolithos	
THR9	Santorini-Faros Akrotiriou	
THRA	Thira	
THRC	Three Sisters	
THRI	Tanaharon	
THS	The Heights School	
THS1	Thassos, Thassos Island	
THSA	Thassos	
THT	Papeete	
THT1	Athinios (Pelekanos)	
THT2	Imerovigli	
THTN	Thala	
THTP	Takhtakupir	
THTRI	Thathri	
THU	Thule	
THUI	La Thuile	
THULE	Thule	
THV	Thanh Hoa	
THV2	THIVAI	
THVM	De Xico	
THW	Thamme Wali	
THWA	Thringer Wald Luisenthal	
THY	Trims Highway	
THZ	Tophouse	
TI2	Plekhanov	
TIA	Tai'an	
TIAR	Tiarei	
TIBA	Tibas	
TIC	Toumodi	
TICA	Tres Isletas	
TICN	Ticuantepe	
TID	Three Point Mountain	
TIE	Tianjin	
TIF	T'bilisi	
TIG	Tigre	
TIG2	Cerro Tigre, Buenos Aires de Puntarenas	
TIGA	Tifton	
TIGG	Tignish, PEI	
TIGL	Tigil	
TIH	Tihany	
TIJ01	Guaruva-PR	
TIK	Tiksi	
TIL	Tilichiki	
TILK	Tilichiki	
TILR	Tilichiki	
TIM	Timisoara	
TIMB	Timberline	
TIMO	Timmins Ontario	
TIN	Tinemaha, Big Pine	
TINA	Tinaroo	
TING	Casa Alexandra Alvarado - Tingo	
TINO	Tinogasta	
TINT	Rio Tinto	
TI-NV	Tolicha Peak	
TIO	Tiouine	
TIOV	TMO PEDROTE	
TIP	Timpagrande	
TIPB	Shuangxi	
TIPT	Tiptonville	
TIR	Tirane	
TIR1	Institute of Geosciences in Tirana	
TIRA	La Tirana	
TIRI	Matiri	
TIRR	Tirgusor	
TIS	Tissa	
TISA	Tisan-Mersin	
TISM	Timmit	
TISMR	San Ramon, TISM	
TISN	Laguna Tiscapa	
TIT	Squaw Tit	
TITE	Tito	
TIV	Tivives	
TIWZ	Tintock	
TIXI	Tiksi	
TIY	Taiyuan	
TIYB	Tien Yen	
TJC	Trinidad (USA)	

Code	Station Name	Other
TJIG	Tijuana	
TJN	Taejon	
TJOU	Tjoern	
TJR	Tejon Ranch	
TJX	Tijuana	
TK-	Tonasket	TK-WA
TK01	Tokai 1	
TK02	Tokai 2	
TK03	Tokai 3	
TK04	Tokai 4	
TKA	Tanaka	
TKB	Tkibuli	
TKBA	Djibouti, TKB	
TKC	Tsukechi	
TKCNA	Presa El Carrizo, Tecate	
TKCO	King County	
TKD	Takada	
TKDS	Koohdasht(Tabas)	
TKE	Take-yama	
TKEZ	Kiri Road	
TKGZ	Te Karaka	
TKI	Tkibuli	
TKJ	Takada	
TKJD	Tokuyama	
TKK	Topkok	
TKL	Tuckaleechee Caverns	
TKM	Takamatsu	
TKM2	Tokmak 2	
TKMK	Tokmak	
TKN	Takane	
TKNZ	Takaka Hill	
TKO	Trask Mountain	
TKR	Tekirdag	
TKRD	Thakurdwara	
TKS	Tokushima	
TKSJ	Tokushima 2	
TKT	Tuktoyaktuk	
TKTP	Tekketepe	
TKU	Takayasuyama	OSK
TK-WA	Tonasket	
TKX	Tecate	
TKY	Takayama	
TKZ	Takazawasan	
TLA	Tapachula	
TLAR	Talaya	
TLAX	Ej. Tlaxcala, Mexicali	
TLB	Topalu	
TLBR	Topalu	
TLBS	Tolbacick	
TLC	Trig L	
TLCB	Telegraph Cove	
TLCR		
TLE	Tual	
TLEK	Tau Lekoa	
TLG	Talgar	
TLI	Talmassons	
TLIG	Tlapa	
TLIN	TLI	
TLIS	Tenkeli	
TLK	Talkeetna Mountains	
TLKV	Tolkaevka	
TLL	Tololo Astronomical Observatory	
TLLA	Tiendilla	
TLM	Tolmezzo	
TLN	Talang	
TLNG	Tallong	
TLO	Toledo HGLP	
TLON	Talon	
TLOR	Lorca, Murcia	
TLP	Tuguegarao	
TLR	Teller	
TLS	Talasea	
TLT	Tellico Plains	
TLUC	Lucca	
TLV	Tu Ly	
TLVM	San Miguel Topilejo	
TLWR	Talawar	
TL-WY	Thermopolis	
TLX	Tulancingo	
TLX2	Tlaxcala 2	
TLY	Talaya	
TLZ	Tolley Road	
TM-	Tomahawk	TM-WS
TMA	Tamaro	
TMAB	Tom-Au,PA,Brazil	
TMB	Temblor Range Southeast	
TMBK	Timbaki Heraklio	
TMBR	Timber Mountain	
TMBU	Tom Butte, Newberry	
TMC	Table Mountain	
TMCH	Temuco	
TMCR	Tamitsa	
TMD	Tamdy-Bulak	
TMDA	Turtle Mountain	
TMDB	BangkokBB_BH_low_level	
TME	Tecomasuche	
TMI	Taylor Mountain	
TMIA	Guayabo	
TMK	Temiskaming	
TML	Taimylyr	
TMM	Tecnologico de Monterrey	
TMM2	Tecnologico de Monterrey 2	
TMN	Timber Mountain	
TMN1	Menemeni	
TMNR	Tamanskiy	
TMO	Tin Mountain	
TMP	Tomahawk Gully	
TMR	Tomakomai	
TMS	Mera	
TMT	Talcott Mountain	
TMU	Temuco	
TMU2	Macedonia Univ,	
TMUT	Trail Mountain	
TMVZ	Te Maari	
TMW	Tok Microwave	
TM-WS	Tomahawk	
TMWZ	Te Maipa	
TMX	Tampico	
TMZ	Timaru	
TN-	29 Palms	TN-CL
TN05	Corleto Perticara (PZ)	
TNA	Tin City	
TNAK	Tsuna	
TNB	Tanabu	
TNC	Tunceli	
TNCH	TengChong	
TNCL	Tunceli-Merkez	
TN-CL	Twentynine Palms	
TNDR	Tynda	
TNE	Ternate	
TNF	Tounfite	
TNG	Tangerang	
TNGL	Gungliau Township	
TNGT	Tongatapu	
TNH	Tianshui	
TNJ	Tannan	
TNK	Tinkers Knob	
TNKJ	Nakagawa	
TNKS	Turikan	
TNL	Tonnelnyy	
TNN	Tanana	
TNO	Torino	
TNOR	Teide Nord	
TNOU	National Taiwan Ocean University, Keelung City	
TNP	Tonopah	
TNR	Turnu Rosu	
TNRJ	Tenryu	
TNS	Taunus Mts	
TNSA	Tinos	
TNSD	Shindian Village	
TNSJ	Nastanj	
TNSS	Tian-Shan	
TNT	Toronto	
TNTG	T'onet'i	
TNTI	Ternate	
TNU	Tenhult	
TNV	Terranova Bay	
TNZ	Tarata	
TO-	Tishomingo	TO-OK
TO01	Tolfa - RM	
TO02	Allumiere - RM	
TO03	Canale Monterano - RM	
TO04	Tolfa - RM	
TO05	Santa Marinella - RM	
TO06	Tarquinia - VT	
TO07	Tarquinia - VT	
TO08	Barbarano Romano - VT	
TO09	Civitella Cesi - VT	
TOA	Tolsona	
TOA0	Torodi Ar. Site	
TOA1	Torodi Ar. Site	
TOA2	Torodi Ar. Site	
TOA3	Torodi Ar. Site	
TOAD	Toad River Community Hall	
TOAZ	Toaza	
TOB	Tobago	
TOB1	Torodi Ar. Site	
TOB2	Torodi Ar. Site	
TOB3	Torodi Ar. Site	
TOB4	Torodi Ar. Site	
TOB5	Torodi Ar. Site	
TOBO	Tobermory, Bruce Peninsula National Park	
TOBT	Tobi-shima	
TOC	Tocklai	
TOC1	Torodi Ar. Site	
TOC2	Torodi Ar. Site	
TOC3	Torodi Ar. Site	
TOC4	Torodi Ar. Site	
TOC5	Torodi Ar. Site	
TOC6	Torodi Ar. Site	
TOC7	Torodi Ar. Site	
TOCH	Tocopilla	
TOD	Tromm	
TOF	Tornio	
TOFB	Tofino	
TOG	Togane	
TOI	Tomamai	
TOIG	Toxpalan	
TOK	Tokyo	
TOK1	Tok Station 1	
TOK2	Tok Station 2	
TOK3	Tok Station 3	
TOK4	Tok Station 4	
TOKA	Tokat	
TOKL	Toktogul	
TOKT	Tokat	
TOL	Toledo	
TOLA	Matola	
TOLC	Tolima	
TOLD	Palenque	
TOLF	Tolfa	
TOLH	Tollhouse, CA USA	
TOLI	Toli-Toli	
TOLI2	Tolitoli	
TOLK	Toolik Lake Research Station	
TOLO	Toledo BPA CREST BB SMO	
TOM	Tomie	
TOMA	Boca Toma-Volc¡n Cotopaxi	
TOMAT	Tomatlan	
TOMM	Thomson	
TON	Tongariro	
TON2	Tonala	
TONGO	Tortengo (Faido)	
TONS	Talon	
TOO	Toolangi	
TO-OK	Tishomingo	
TOP	Topolovo	
TOPG	Topolog	
TOPM	Tallapoosa	
TOPO	Topo	
TOPPO	Toppo, Italy	
TOR	Tori shima	
TOR05	TORRECUSO	
TORD	Torodi Ar. Beam	
TORE	Minerbio--Torre	
TORI	Toribari	
TORNY	Torny/Romont	
TORO	Toronto--Leslie Street Spit	
TORR	Tordecillas	
TORS	Torosgyugh	
TORT	La Tortuga	
TORV	Torococo	
TOS	Tosya	
TOSI3	Tonosi	
TOSP	Speyside	
TOT	Tottori	
TOT1	Toteng	
TOTH	TOTAH	
TOTI	Torti	
TOTJ	Tottori	
TOU	Touzarine	
TOUF	Mont Tournerait	
TOV	El Tocuyo	
TOVM	TOLUCA	
TOW	Tower One	
TOY	Toyama	
TOYT	Toytepa	
TOZ	Tahuroa Road	
TP-	Tippipah	
TP2	Tecpan 2	
TPA	Tala Pozo	
TPAR	Parque del Teide	
TPAW	Teton Pass	
TPB	Topolobampo	
TPC	Twentynine Palms	
TPE	Tepelena	
TPFO	Pinon Flats	
TPG	Tlapa	
TPGR	Topolog	
TPH	Tonopah	
TPI	Tanjungpandan	
TPICX	Tepic	
TPIG	Tehuac#an	
TPJ	Tangkuban Prahu	
TPK	Tolicha Peak	
TPL	Tocopilla	
TPM	Tepoztlan	
TPMO	Tallapoosa	
TPMT	Tepee Creek	
TPN	Tapini	
TPND	Tumut Pond Dam	
TPNV	Topopah Spring	
TP-NV	Tippipah	
TPO	Tropico Hills	
TPOR	Trinity Point	
TPP	Pointe-a-Pierre	
TPR	Prospect	
TPRI	Tanjung Pinang	
TPRS	Tripped Ranch	
TPRT	Prato	
TPRV	Parvadeh(Tabas)	
TPSO	The Peters Seismological Observatory	
TPSR	Tuapse	
TPT	Tiputa	
TPTC	Pt. Cumana	
TPTI		
TPU	Tempiute Mountain	
TPUB	Ta-pu	
TPV	Tonopah	
TPVN	Tapovan	
TPX	Tapachula	
TPZ	Tupiza	
TQHO	DHOFAR2 - YR	
TQ-MS	Tatum Dome	
TQP	Tayabas	TAY
TQTN	Tranquillity	
TQV	Tuyen-Quang	
TR01	Tempa Rossa 01	
TR02	Tempa Rossa 02	
TR03	Tempa Rossa 03	
TR04	Tempa Rossa 04	
TR05	Tempa Rossa 05	
TR06	Tempa Rossa 06	
TR07	Tempa Rossa 07	
TR08	Tempa Rossa 08	
TR09	Tempa Rossa 09	
TR1	Tor 1	
TR10	Tempa Rossa 10	
TR11	Tempa Rossa 11	
TR12	Tempa Rossa 12	
TR2	Tor 2	
TRA	Travnik	
TRAF	Turaif	
TRAM	Private Property, Shandon	
TRAN	Tran	
TRAP	Trapper Creek	
TRAS	Al Qrash	
TRAV	Traversella	
TRAY	Twisselman Ranch, Shandon	
TRAZ	Trapeza	
TRB	Tarbela	
TRB2	Turrubares	
TRBA	At Turbah	
TRBF	Trabuc cave	
TRC	Taylor Ranch	
TRCB	Terra Rica	
TRCK	Troitsky	
TRCR	Troy Canyon	
TRCW	Trojmez	
TRD	Trivandrum	
TRE	Trente	
TRE1	Treia	
TREB	Trebinje	
TREC	Trest	
TREE	Tree Lodge	
TREF	Trevaresse	
TREG	Tregnago	
TREL	Terrell	
TREM	Isole Tremiti	
TRES	Parco Tresine BS	
TREV	Trevi	
TRF	Thorofare Mountain	
TRG	Tyrgan	
TRG1	Targoviste	
TRGA	Dikaia	
TRGR	Tirgoviste	
TRGS	Targassone	
TRH	Trail	
TRHT	Turhal	
TRI	Trieste	
TRI01	ILHA DA TRINDADE, ES	
TRIB	Obertriebel	
TRIF	Trifonti	
TRIGF	Trigance	
TRIMX	Col. Lazaro Cardenas, TRI	
TRIO	Tres Rios	
TRIP	Tripoli	
TRIS	Tristan da Cunha	
TRISI	Tripoli, TRI	
TRISU	ISU Teleorman	
TRIV	Trivento	
TRIZ	Trizonia	
TRJ	Tarija	
TRK	Turkey Creek	
TRKA	Trikala	
TRKR	Terskaya	
TRKS	Terek-Say	
TRKT	Turkoglu	
TRLG	Trialeti	
TRM	Turner	
TRM1	Turnu Magurele	
TRMF	Trois Ilets	
TRML	Termal-Yalova	
TRN	Trinidad (W)	
TRN1	Terni	
TRNA	Turayna	
TRNY	Table Rock, Ramapo, NY	
TRO	Tromso	
TROD	Troodos	
TROLL	Troll, Antartica	
TRON	Trondheim	
TROT	Trozza	
TRP	Trujillo	
TRP1	Tripolis, Arkadia	
TRPA	Tarpa	
TRQ	Mont Tremblant	
TRQA	Tornquist	
TRR	Tarraleah	
TRRB	Tres Rios	
TRS	Trieste (CM)	
TRSB	Teresina	
TRSC	Trident Resrch Ctr	
TRSI	Tarutung	
TRSU	Trosnyk	
TRT	Tretes	
TRT1	Tortuguero	
TRTB	Turuntaevo	
TRTC	Tortuguero	
TRTE	Tartu	
TRTO	Trento	
TRTR	Tortoreto Alta	
TRTS	Turuntaevo, Baikal	
TRTT	Trang	
TRU	Truk	
TRUE	Teru	
TRUE2	AFAR09-11, Teru, TRUE	
TRULL	Truellikon	
TRUS	Trudelj	
TRV	Treviso	
TRVA	Ter de Rio Valdez	
TRVM	Trivandrum	TRD
TRVZ	Turoa	
TRW	Toppenish Ridge	
TRWA	Trelew	
TR-WA	Toppenish Ridge	
TRWZ	Traveller	
TRXW	Triangle-X Ranch	
TRY	Troy	
TRYN	Tryon Peak	
TRZ	Taradale	
TS-	Trotters	TS-ND
TS1	Aisen	
TS2	Aisen	
TS3	Aisen	
TS4	Aisen	
TS5	Aisen	
TS6	Aisen	
TSA	Tranquitos	
TSA1	Sevenoaks	
TSAL	Tannehill State Park	
TSB	Tasu	
TSC	Tosontsengel	
TSCK	Chigu Township	
TSCN	Private Property, Shandon	
TSCS	Shell Creek South, Shandon	
TSCT	Constanta Port	
TSD1	Tsodilo	
TSDF	Thoir-sur-Dinan - 72356 - Sarthe - Pays de la Loire - France	
TSE	Tsebel'da	
TSEB	Hengchuen, Pingtung county	
TSGT	San Giustino Valdarno	
TSI	Tuntungan	
TSIG	Topolobambo	
TSIM	Tsina	
TSIS	San Isidro	
TSJB	Timber West San Juan	
TSJR	San Juan de la Rambla	
TSK	Tsukuba	
TSL	Tsaile	
TSLK	Tsoukalades, Lefkada island	
TSM	Tawau	
TSMG	Majia	
TSMN	Mangalia Port-Far Verde	
TSN	Qingdao	
TS-ND	Trotters	
TSO	Tulsa	
TSOZ	Tsokhamarg	
TSP	Tesuque Peak	
TSPT	Pingtung City	
TSR	Tsuruga	
TSRJ	Tsuruga	
TSS	Tsurugi yama	
TSSA	Tissa	
TSSL	Sulina	
TST	Taslik	
TSTA	Tashata	
TSTE	Santiago del Teide	
TSTN	Townsend	
TSU	Tsu	
TSU1	Tsu	
TSUB	Tasu	
TSUJ	Tsu 2	
TSUM	Tsumeb	
TSUT	Saturnia	
TSV	Twin Springs	
TSVK	Tesvikiye-Yalova	
TSWA	Tswaing Meteorite Crater Museum,Gauteng Province	
TSY	Tnine Yamani	
TSZ	Takapari Road	
TT-	Trout Lake	TT-MI
TT01	Tatalina	
TT08	Gorgoglione (MT)	
TTA	Tatalina	
TTAO	Hotel Taoro	
TTC	Datong	
TTE	Trieste	
TTER	Terranuova Bracciolini	
TTG	Podgorica	
TTH	Taradale Trig	
TTI	Taranto	
TTIG	Tnine Tigouga,	

	Taroudante	
TTK	Tokmak	
TTL	Tatalina	
TTM	Turtle Mountains	
TT-MI	Trout Lake	
TTN	Taitung	
TTO1	TONANKAI O.B.S1	
TTO2	TONANKAI O.B.S2	
TTO3	TONANKAI O.B.S3	
TTO4	TONANKAI O.B.S4	
TTO5	TONANKAI O.B.S5	
TTOK	Tanto	
TTP	Tetilla Peak	
TTR	Matura	
TTS	Tsetserleg	
TTSI	Tana Toraja	
TTT	Tottori	
TTU	Tartu	
TTV	Teren Tiev Lake	
TTVN	Tram Tau	
TTW	Tolt Reservoir	
TTX	Tres Cuevas	
TTY	Takhtoyamsk	
TTZ	Chichi shima	
TU-	Tunkhannock	TU-PA
TU1	Tuscania	
TUA	Tuai	
TUB	Tubingen	
TUB1	San Vicente, B1	
TUB3	El Consuelo, B3	
TUB4	El Congo, B4	
TUB5	Los Potreros, B5	
TUBL	Tuebingen-Lennartz	
TUC	Tucson	
TUC12	La Esperanza, C12	
TUC13	Santa Rosa, C13	
TUC3	UHE Tucurui	
TUC4	UHE Tucurui	
TUCB	Tucurui	
TUDR		
TUE	Stuetta	
TUEB	Tuebingen, Eugenstrasse	
TUF	Tufares	
TUF1	Sabana Grande, F1	
TUF2	Las Cuatro Esquinas, F2	
TUF3	Comarca El Reventon, F3	
TUF4	Las Colinas, F4	
TUF5	Los Angeles, F5	
TUF6	Nancite Dulce, F6	
TUG	Tungurcha	
TUH	Tulbagh	
TUI	Tuis	
TUIG	Tuzandepetl	
TUK	Tuktoyaktuk	
TUL	Tulsa	
TUL0	Crosstimbers Borehole	
TUL1	Leonard	
TUL3	Leonard	
TULE	Intermountain REC, Tulelake, California	
TULEG	Thule	
TULM	Tulcn-Chalpatan Las Cuevas	
TUM	Tumwater	
TUMC	Tumaco	
TUMD	Tumrok D	
TUML	Tumlingtar	
TUMR	Tumrok	
TUN	Tunis	
TUN1	Miramar, N1	
TUN10	La Concepcion, N10	
TUN11	La Tejera, N11	
TUN12	Monte Christo, N12	
TUN13	La Rica Arriba, N13	
TUN2	Las Piedras Blancas, N2	
TUN3	El Chorizo, N3	
TUN4	Puerto Momotombo, N4	
TUN5	Las Pilas, N5	
TUN6	El Paraiso, N6	
TUN7	El Madrono, N7	
TUN8	La Morita, N8	
TUN9	Santa Rosa del Penon, N9	
TUNA	La Fortuna	
TUND	Tunduma	
TUNG	Tungurahua	
TUNL	TUNL	
TUNR	Tungur	
TUNS	Gyulagarak	
TUO	Tucson Observatory	
TUP	Tupik	
TUPA	Temple University, Ambler	
TU-PA	Tunkhannock	
TUQ	Turquoise Mountain, Baker	
TUR	Turbat	
TURA	TURA	
TURAT	Turatol	
TURB	Turbat	
TURF	col de Turini - Moulinet	
TURI	Tura	
TURIB	Turrialba	
TURN	Turunc	
TURR	Turia	
TURS	Tal-Yuryakh	
TURV	Turiamo	
TUS	Tuscarora	
TUT	Tucson--Telemeter	
TUTA	Tutak	
TUTZ	Tuhingamata	
TUU	Turnu Rosu	
TUV	Trujillo	
TUVZ	Tukino	
TUWA	Tungkwan	
TUWZ	Tuamarina	
TUY	Tsuyama	
TUYU	Q. Yuibug Volcan Tungurahua	
TUZ	Tuapeka	
TUZL	Tuzla-Istanbul	
TV1H	Townsville Hard Rock	
TV2S	Townsville Soft Rock	
TV6	Monte Luro di Tavullia	
TVAC	TV Cable, Bogot¡	
TVAN	Van	
TVBK	TV Kerman	
TVF	Tvarminne	
TVG	Trois Rivieres	FBG
TVGG	Rocky Mountain Net	
TVH1	TV Hill, Hawthorne	
TVH2	Borealis Mine area, Hawthorne	
TVH3	East Aurora area, Hawthorne	
TVI	Taveuni	
TVKS	Tavaksay	
TVL	Townsville	
TVLT	Union City	
TVNC	Taylorsville	
TVO	Taravao	
TVRZ	Varzaqan	
TVSB	Tavsanli	
TVZX	PASSCAL Warehouse	
TW1H	Toowoomba 1 Hard	
TWA	Mucha	
TWAR	Twist	
TWB	Tillmans-Whites Bay	
TWB1	Santiao Chiao	
TWBB	Timber West Blakeney	
TWC	Suao	
TWCP	Suao Port	
TWD	Chiawan	
TWDS	Dungshr Township	
TWE	Neicheng	
TWE*	Feng-lin	
TWF	Yuli	
TWF1	Yuli	
TWG	Pinlang	
TWGB	Timber West Granite	
TWGBT	Beinan	
TWGZ	Tauwhareparae	
TWH	Lutao	
TWI	Lanshu	
TWIT	Twitchell Island	
TWJ1	Tawu	
TWK	Hsinying	
TWK1	Hengchun	
TWKB	Timber West Koksilah	
TWKBT	Hengchun	
TWL	Twin Lakes	
TWM	Shoushan	
TWM1	Shoushan	
TWMO	Westmoorings	
TWN	Twin Peaks	
TWO	Meishan	
TWO1	Meishan	
TWOA	Tennyson Woods	
TWP	Hsiaoliuchiu	
TWQ	Tungshih	
TWQ1	Liyutan	
TWR	Chutung	
TWS1	Kuangyinshan	
TWSI	Taliwang, Sumbawa	
TWT	Tachien	
TWU	Wulai	
TWVZ	Taurewa	
TWW	Teanaway	
TWX	Kuosheng	
TWY	Chenhua	
TWZ	Neifu	
TX00	Lajitas Ar. Site	
TX02	Lajitas Array Site 2	
TX03	Lajitas Array Site 3	
TX04	Lajitas Array Site 4	
TX05	Lajitas Array Site 5	
TX06	Lajitas Array Site 6	
TX07	Lajitas Array Site 7	
TX08	Lajitas Array Site 8	
TX09	Lajitas Array Site 9	
TX10	Lajitas Array Site 10	
TX11	Lajitas Array Site 11	
TX31	Lajitas Ar. Site	
TX32	Lajitas Array Site 32	
TXAR	Lajitas Array Beam Reference Point	
TXB	Texada	
TXDB	Texada	
TXIG	Tlaxiaco	
TXNY	Tuxedo	
TXO	Tlaxiaco	
TXVM	Universitario Texcoco	
TY-	Tracy	TY-MN
TYC	Yuchr	
TYF	T'ung-yeun Feng	
TYH	Toyohashi	
TYI	Trinity Mountain	
TYK	Toyo'oka	
TYM	Tateyama	
TY-MN	Tracy	
TYN	Taiyuan	
TYNN	Toyone	
TYNO	Tyneside	
TYRN	Tyrnavos	
TYS	Tyson Valley	
TYV	Tymovskoe	
TZAN	Tzaneen,Limpopo Province	
TZC	Tazercounte	
TZK	Tazeka	
TZL	Tazlina	
TZR	Tezpur	
TZRR	Tazzarine	
TZTN	Tazewell	
TZZ	Tabubil	
U04C	Hernandez Reservoir, Idria	
U05C	Westside ANR, Five Points	
U10A	Ash Meadows, Armagosa	
U11A	Corn Creek	
U12A	Valley of Fire, Overton	
U13A	Pakoon Wash	
U14A	Mt Trumbull	
U14B	Concepcio@15n	
U15A	North Rim	
U16A	Tuba City	
U17A	Shonto	
U18A	Rough Rock, Chinle	
U19A	Dine' College, Tsaile	
U20A	Newcomb	
U21A	Nageezi	
U22A	Llaves	
U23A	El Rito	
U24A	Moreno Valley High School, Angel Fire	
U25A	Circle Dot Ranch, Maxwell	
U26A	Atchley Ranch, Grenville	
U27A	Thompson Grove	
U28A	Mallet	
U29A	Oasis Ranch, Spearman	
U30A	WK&E Inc. Balko	
U31A	Nine Bar Ranch, Gage	
U32A	Winter Ranch, Mooreland	
U33A	Lingo Farm, Meno	
U33K	Whale Pass	
U34A	Anderson Ranch, Garber	
U35A	Pawnee	
U35K	Hyder	
U36A	Oologah	
U37A	Salina	
U38A	Gravette	
U39A	Green Forest	
U40A	Yellville	
U41A	Viola	
U42A	Revenden	
U43A	Rector	
U44A	Portageville	
U44B	Burton Farm, Hornbeak	
U45A	Rockin P Farm, Martin	
U46A	Springville	
U47A	Clarksville	
U48A	Cassie Pea, Portland	
U49A	Red Boiling Springs	
U50A	Jamestown	
U51A	La Follette	
U52A	Thorn Hill	
U53A	Fall Branch	
U54A	Nelsons Funny Farm, Mountain City	
U55A	TA2, Sparta	
U56A	King	
U57A	Blanch	
U57S	U57S	
U58A	Oxford	
U59A	Littleton	
U59S	U59S	
U60A	Pendleton	
U60S	U60S	
U61A	Possum Corner Farms, Belvidere	
U63S	Sauzal	
U65B	Hualane	
U66S	U66S	
U67S	U67S	
U69B	Peumo	
U72S	U72S	
U73B	San Pedro	
UABX	UABC, Campus Mexicali	
UAGRB	Rancho Ultima Agua, B.C.S	
UALR	University of Arkansas, Little Rock	
UAV	Universidad de los Andes	
UB0M		
UB1M		
UB2M		
UB3M		
UB4M		
UB5M		
UB6M		
UB7M		
UB8M		
UB9M		
UBBA	Unterbreizbach	
UBL	Ust'-Bol'sheretsk	
UBO	Uinta Basin Array	
UBOT	Bothatogo	
UBPT	Khong Chiam	
UBR	Ueberruh	
UBRB	Upper Baezaeko River	
UBSI	University, Bengkulu	
UBT	Ubonrachathani	
UC01	Francavilla Angitola	
UCC	Uccle	
UCCT	U. Connecticut	
UCH	Uchtor	
UCHI	Unidad de Salud de Chinameca	
UCKU	Afyonkarahisar-Sultanda-§kuyu	
UCM	Universidad Complutense Madrid	
UCT	University of Connecticut	
UDBI	Udbina	
UDBS	Universidad Don Bosco	
UDD	Uddeholm	
UDI	Udine OGS	
UDN	Udine	UDI
UDO0	Udo	
UDP	Udhampur	
UDPR	Udaipur	
UDU	Undu Point	
UDY	Yemen, UDY	
UDYN	Al `Udayn	
UEES	Universidad Evangelica	
UER	Ust'-Elegest	
UESS	Universidad de El Salvador	
UESV	Universidad de El Salvador, sede San Vicente	
UFA	Ufa	
UFCT	Forcatura	
UFLG	Foligno	
UFRS	Porto Alegre	
UGDM		
UGI	Ugak Island	
UGK	Ugakei	
UGL	Uglegorsk	
UGLR	Uglovaya	
UGM	Wanagama	
UGO	Universidad de Guanajuato	
UGON	Onchagaon	
UGRT	Union Grove	
UJAP	Al Uja	
UJI	Uji	
UJN	ULJIN	
UJWA	Ujwa (Najafgarh)	
UJZ	Chiapas	
UK-	Ukiah	UK-OR
UKAQ	Ukalunda	
UKHR	Ukrul	
UKI	Ukiah	
UKL	Ugashik Lake	
UKOP	Uzunkopru-Edirne	
UK-OR	Ukiah	
UKR	Ust'-Kan	
UKT	Uakit	
UKTR	Uchkent	
UKWA	Ukwama	
UL1	ULLUNGDO	
UL1S	Tyubelyakh	
UL2S	Kamenistyi	
ULA	Ulamona	
ULBA	Ulba	
ULC	Ulcinj	
ULDB	Ullung-do Borehole	
ULDR	Ulleungdo	
ULDT	Uludag	
ULG	Ulaangom	
ULGR	Ulagan, Altay Republic, Russia	
ULHL	Ulahol	
ULLB	Ulleungdo bore hole	
ULM	Lac du Bonnet	
ULMD	Ulm	
ULN	Ulaanbaatar	
ULO	Ulamona	
UMAU	Umeaa	
UMB	Umberatana	
UMBT	Umbertide	
UME	Umea	
UMI	India	
UMJ	Umaji	
UMJ01	UMJ01	
UMJ02	UMJ02	
UMJ03	UMJ03	
UMJ04	UMJ04	
UMJ05	UMJ05	
UMJ06	UMJ06	
UMJ07	UMJ07	
UMJ08	UMJ08	
UMJ09	UMJ09	
UMJ10	UMJ10	
UMJ11	UMJ11	
UMJ12	UMJ12	
UMJE	Umejima	
UMJS	Umm Lajj	
UMKT	Umerkot	
UMM	Uummannaq	
UMMG	Uummannaq	
UMPA	Umpang Tak	
UMPQ	Umpqua Community College DOGAMI SMO	
UMQ	Umm Al-Quwin	
UMR	Umm Al-Rimmam	
UMS	Upper Santa Misericordia	
UMT	Umtata	
UMV12	Villanueva de San Juan (Sevilla)	
UMZA	Um Al Zommool	
UNA	Unalaska	
UNAH	Universidad Nacional Autonoma de Honduras	
UNAP	University of Iquique	
UNB	University of New Brunswick	
UNCA	Ungchon	
UNCK	Uncukuru	
UNCR	Uncukul	
UNDA	Madunda	
UNH	University of New Hampshire, Durham, NH	
UNIC	Universidad Catolica de El Salvador	
UNIO	Chateau-d'Oleron - 17093 - Charente-Maritime, France	
UNIS	Unistalda (Brazil)	
UNJ	University of Jordan, Amman	
UNJO	University of Johannesburg	
UNL	Unalakleet	
UNM	Universidad Nacional Autonoma de Mexico	
UNNA	Unterstinkenbrunn	
UNPM	Ancona Politecnico	
UNR	Ust'-Nera	
UNR1	Ust'Nera (new)	
UNRC	Norcia	
UNSL	Universidad Nacional de San Luis	
UNTM		
UNV	Unalaska Valley	
UNZ	Unzen dake	
UOA	University of Arizona	
UOCO	University of Cincinnati	
UOLM	Olmeto	
UON	La Union	
UOSS	Minazif	
UPA	Univ. de Panama	
UPAO	U. Pittsburgh - Allegheny Obs.	
UPC	Upice	
UPD1	Univ de Panama	
UPD2	Meteti	
UPI	Upington	
UPIG	Univ. de Panama	
UPM	Unac-Piva	
UPNG	Upernavik	
UPNV	Upernavik	
UPP	Uppsala	
UPR	University Campus, Patras University	
UPRP	Perugia	
UPS	University of Puget Sound	
UQSK	`Uqlat as Suqur	
UR1H	Urbino	
URA	Urakawa	
URA3	Urakawa 3	
URAJ	Urakawa 2	
URAM		
URAV	Uravi	
URB	Uribe, Santander	
URBA	Urbach, Forststuetzpunkt Haeule	
URBF	Urbes	
URBI	Urbino	
URBN	Urbania	
URCR		
URCU	Urcuqui	
URD01	URD01	
URD02	Al Ula	
URD03	Al Ula	
URD04	Abu Rakah	
URD05	Al Faraah	
URD06	Shuwaq	
URD07	Al Anba	
URD10	Hayder	
URD11	Tayma	

Code	Station Name	Other
URD12	Shuwaq	
URD13	Abu Rakah	
URD14	Abu Rakah	
URD15	Abu Rakah	
URDF	Urds	
UREC	San Jos de Ur, Cordoba	
URFA	Urfa	
URG	Urgal	
URH	Urahoro	
URIC	Uribia, Colombia	
URKR	Urkarakh	
URLA	Izmir	
URMC	La Uribe, Meta	
URS	Ugurusu	
URSC	Urasca	
URT	Ura-Tyube	
URUA	Uruapan	
URV	Uravakonda	
URVA	University of Richmond	
URVD	Rivodutri	
URZ	Urewera	
URZL	Urzelina	
USA0	Ussuriysk Array Site A0	
USA0B	Ussuriysk Array Site A0B	
USA1	Ussuriysk Array Site A1	
USA2	Ussuriysk Array Site A2	
USA3	Ussuriysk Array Site A3	
USAK	Uak-Merkez	
USB1	Ussuriysk Array Site B1	
USB2	Ussuriysk Array Site B2	
USB3	Ussuriysk Array Site B3	
USB4	Ussuriysk Array Site B4	
USB5	Ussuriysk Array Site B5	
USC	University of Southern California	
USGN	Sangemini	
USHA	Ushuaia	
USHU	Ushuaia	
USI	Ustica	
USIL	Lacq-Usine	
USIN	University of Southern Indiana	
USK	Ussuryisk	
USL	Ugashik Lake	
USMR	Ust'-Maya	
USO	Ust'-Omchug	
USP	Ospenovka	
USPA	Uspallante	
USRK	Ussuriysk Ar. Beam Pt.	
USTO	Oran	
USZ	Ust'-Nyukzha	
UTEC	Universidad Tecnologica	
UTF	Valparaiso	
UTHA	Uthaitani	
UTK	UTTARKASHI	
UTL	Utla	
UTLO	University of Toledo	
UTM	University of Tennessee at Martin	
UTMA	University of Tennessee at Martin	
UTMO	Huajuapan	
UTMT	University of Tennessee at Martin	
UTNM	Universidad Technlogica Nacional Mendoza	
UTO	University of Toledo	
UTS	Utsunomiya	
UTSR	Utesnoe	
UTSU	Utsunomiya	
UTT	Tea Tree Gully	
UTTA	Uttaradit	
UTU	Utuhina	
UUDB	Ulan-Yde	
UUPR	Utuado, UPR, Puerto Rico	
UURS	Ust' Urkima	
UVAG	Avigliano	
UVEZ	Uvezbeli-DUZCE	
UVI	Uvira	
UVIT	Uvita	
UVN	Unionville	
UVN1	Unionville	
UVO	Usu Kazan Kan	
UVZA	Uvinza	
UWA	Uwa jima	
UWA2	Uwa jima 2	
UWB	Uwe@18kahuna Bluff	
UWE	Uwekahuna	
UWEM	Njombe	
UWFH	University of Washington Friday Harbor	
UWJI	Ujung Watu	
UWL	Utowana Lake	
UWM	University of Wisconsin at Milwaukee	
UWOO	University of Western Ontario	
UXUV	UXUV	
UYO	Union Valley	
UYUN	Uyuni	
UZB	Uzynbulak	
UZD	Uzd	
UZH	Uzhgorod	
UZHM	Uzhgorod	
UZP	Denizli	
UZR	Uzur	
UZT	Uzuto	
UZU	Uzumlu	
V03C	Hunter Liggett MR Jolon	
V04C	Ramage Ranch, Paso Robles	
V05C	Boulder Hill, Kettleman City	
V11A	Goodsprings	
V12A	Nelson	
V13A	Grand Canyon West Ranch, Meadview	
V14A	Boquillas Ranch, Navajo N., Peach Springs	
V15A	Kaibab National Forest USFS, William	
V17A	Tonalea, Kykotsmovi	
V18A	Ganado	
V19A	Window Rock	
V20A	Brimhall	
V21A	Milan	
V22A	San Miguel Ranch, Cuba	
V23A	Ortiz Mt. (NFS), Santa Fe National Forest	
V24A	Rampart Ranch, Las Vegas	
V25A	Rancho No Tengo, Wagon Mound	
V26A	Tequesquite Ranch, Mosquero	
V27A	Dan Oppiter Farms, Dalhart	
V28A	Channing	
V29A	Stinnett	
V30A	Spur Ranch, Miami	
V31A	Spring Creek Lake, Blk. Kettle Nat Grslnd	
V32A	Arapaho	
V33A	Lossen Ranch, Watonga	
V34A	Guthrie	
V35A	Meyer Ranch, Chandler	
V35K	Ketchikan	
V36A	Jenks	
V37A	Hulbert	
V38A	Canehill	
V39A	Pettigrew	
V40A	Witts Springs	
V41A	Mountainview	
V42A	Cord	
V43A	Jonesboro	
V44A	Blytheville	
V45A	Humboldt	
V46A	Holladay	
V47A	Nunnelly	
V48A	Smith Brothers Farm, Spring Hill	
V49A	McMinnville	
V50A	Pikevile	
V51A	Loudon	
V52A	Sevierville	
V53A	Saluda	
V54A	Nebo	
V55A	Taylorsville	
V56A	Mocksville	
V57A	Coltrane Farms	
V58A	Windy Hill, Pittsboro	
V59A	Middlesex	
V60A	Jim Taylor Road, Stokes	
V61A	Roper	
V62A	Hyde County Airport	
VA01	Torpederas	
VA02	Isla de Pascua	
VA03	San Esteban	
VA04	Juan Fernndez	
VA05	Santo Domingo	
VA06	Catapilco	
VAA	Cerro Valdivia	RTCV
VABQ	Val Des Bois	
VAC	Vackov	
VACA	Villa Angela Chaco Argentina	
VACH	Vallenar	
VACK	Vackovec	
VACR	Volcan Arenal	
VAD	Vardenisi	
VADS	Vadso	
VADZ	Vardenis	
VAE	Valguarnera	
VAF	Ylistaro	
VAG	Aggia Anna	
VAGA	Valle Agricola	
VAGH	Vaagaholmen	
VAH	Vaihoa	
VAI	Varese	
VAI24	Vairano Patenora	
VAIN	VAIN	
VAJ	Vajont	
VAK	Adit at Lawrence Berkeley Lab, Berkeley, CA	
VAL	Valentia	
VALC	Valcebollere	
VALD	Valchedram	
VALF	Valcebollere	
VALM	Valbona	
VALQ	Val d'Or	
VALR	Valaam	
VALS	Valles ARPAV	
VALT	Mount Saint Helens Crater	
VALY	Valyra	
VAM	Vamos	
VAMB	Fali, AMB	
VAN	Vannovskaya	
VAN2	Vandellos 2	
VANB	Van	
VANJ	Vanj	
VANNI	Vissoie, Val d'Anniviers	
VANT	Van	
VANT3	Valle de Anton	
VANU	Vaenersborg	
VANZ	Vanadzor	
VAO	Valinhos	
VAO2	Atibaia	
VAO3	Socorro	
VAR	Varanasi	
VAR2	Vartholomio	
VARA	Varagna	
VARB	Varian Well	
VARE	Varese	
VARL	Varlezi	
VARN	Col Varnada, Mel (BL)	
VARP	Vesuvio Array Permanente	
VARR		
VARZ	Arzignano	
VAS	Vassijaure	
VAS01	Vassouras-RJ	
VAS2	Vassiliki, Lefkas Island	
VASR	Vaslui	
VASS	Vassouras	
VAVA	Vava'u	
VAY	Valandovo	
VAYK	Vayk	
VBA	Sierra Ventana	
VBEM	Beaver Butte	
VBG	Venebrugge	
VBG1	Venebrugge (Bruchterveld)	
VBG2	Venebrugge (Bruchterveld)	
VBG3	Venebrugge (Bruchterveld)	
VBG4	Venebrugge (Bruchterveld)	
VBIH	Ingaladian Volcano Observatory	
VBKE	Vesuvio Bunker Est, Vesuvio (NA), Italy	
VBKN	Vesuvio Bunker Nord	
VBL1	Vara Blanca	
VBL2	Vibo Valentia	
VBMS	Vicksburg	
VBN	Bulusan	
VBOKI	Bokissa	
VBPM	Bald Peter	
VBR	Suhoy Ruchey	
VBST	Vila Bela da Santissima Trindade	
VBU	Buco	
VBUTM	Tatafo	
VBV	Virginia Beach	
VBY	Vinica-Bojanci	
VC1	Cotopaxi 1	
VCA	Vinchina	
VCAB	Vineyard Canyon	
VCB	Cabagna-an	
VCEL	Villa Celiera	
VCES	Cotopaxi	
VCH1	Volcn Chico	
VCHI	Volcan Chico	
VCHM	Qimei	
VCHU	Verkh-Chumysh, Kuzbass, Russia	
VCLM	Crater Lake	
VCM	Veracruz	
VCMM	Chase Mountain	
VCMT	Victor	
VCN	Canlaon	
VCNE	Vesuvio Cratere Nord Est (NA) Italy	
VCNR	Virginia City	
VCNZ	Vicenza	
VCP	Volcan Cerro Prieto	
VCR	Vista de Mar	
VCRE	Vesuvio Cratere Est	
VCS	Vernal Corners	
VCT	Victoria	
VCVM	Valle de Chalco	
VDA	Vodivohitra	
VDB	Vedder Mountain	
VDBQ	Val-des-Bois,QC	
VDCF	Villefranche	
VDEB	Vedder Mountain	
VDF	Valdeflores	
VDL	Val di Lei	
VDM	Villiers-Adam	
VDOS	Pratas Island	
VDP	Vodopadnii	
VDP3	Vietri Di Potenza	
VDQ	Val d'Or	
VDS3	Muro Lucano (Varco Staccarino)	
VDW	Vunidawa	
VEA	Veano	
VEB	Veberod	
VEBEN	Narango	
VEH	Verkhnyaya Baza	
VEK	Verkhne-Kamchatsk	
VELZ	Velez Rubio	
VEN	Venice	
VEND	Venslev, Denmark	
VENE	Venecia	
VENL	Venezia Lido	
VENT	Ventotene	
VEPO	Vesuvio Istituto Enea Portici (NA) Italy	
VER	Veracruz	
VER1	Veroia	
VERA	Finca Concepcion	
VERB	Verbena	
VERD	Verdin	
VERF	Verneugheol	
VERG	Veris	
VERN	Vergina	
VES	Vestal, Richgrove	
VESPI	Tanmial	
VET01	Vtroz, Route Cantonale, VS	
VET02	Vtroz, Route de la Bourgeoisie, VS	
VET03	Vtroz, Le Botza, VS	
VETAM	Veliko Turnovo	
VEW	Oceanview	
VEX	Veracruz	
VEZ	Vezirkopru	
VFBM	Frederick Butte	
VFI	Filaki	
VFP	Flag Point	
VG1	Voghera	
VG2	Vista Grande	
VGB	Gordon Butte	
VGBI	Virgin Gorda, British Virgin Islands	
VGBM	Gordon Butte	VGB
VGG3	Viggiano (Prot.Civ.Gr.Lucano)	
VGL	Glafira	
VGM	Villa Grajales	
VGMM	Grass Mountain	
VGP	Chiapas	
VGPM	Green Peter	
VGTI	Salacafe	
VGTM	Goat Mountain	
VGVI	Virgin Gorda	
VGZ	Gonzales	
VHBM	Hamelton Butte	
VHEM	Hood Meadows East	
VHH	Hibok Hibok	
VHHM	High Heaven	
VHM	Vista Hermosa	
VHO	Vista Hermosa	
VHOM	Mount Hebo	
VHRN	Van Horn	
VHSA	Villahermosa	
VHTN	Van Hill	
VHYM	Horsefly Mountain	
VIB	Van Inlet	
VIC	Victoria	
VIC1	Col Coahuila, VIC	
VICA	Volcano Irazu	
VICH	Los Vilos	
VICT	Victoria	
VIE	Vienna	
VIEF	Viey	
VIEL	Selb-Vielitz	
VIER	Vielha - Casau	
VIES	Vielha - Hospitau	
VIF	Vila Franca	
VIFL	Administracin Zonal Eloy Alfaro - Quito	
VIG	El Vigia	
VIGE	Viggiano	
VIGV	El Vigia	
VIH	Vielha	
VIK	Vik	
VIKU	Vikbolandet	
VIL	Villa Mercy	
VIL1	Vilia, Western Attica	
VIL2	Platees	
VILA	Vilada	
VILB	Vilhena	
VILC	Villavicencio, Colombia	
VILF	Villemus	
VILL	Villia	
VILLA	Kithairon	
VILS	Ville-en-Selve	
VIM	Vimmerby	
VIMA	VIMA	
VIMO	Victor Mine	
VIN	Vineyard	
VINA	Juan Vinas	
VINC	Vinca	
VINO	Villanova	
VIP	Virginia Peak	
VIPM	Ingram Point	
VIR	Virginia	
VIRC	Vir	
VIRE	VIRE	
VIRV	Villa del Rosario	
VIS	Vishakhapatnam	
VISG	Visignano	
VISK	Vishakhapatnam	VIS
VISS	Vis@19nje	
VIT	Vineyard--Telemeter	
VITF	Vittel	
VITO	San Vito	
VITU	Vitulano (BN)	
VITZ	Vitzeroda	
VIV	Vinh	
VIVA	Pratoni del Vivaro - Roma	
VIVB	Vinh	
VIVF	Saint-Julien-le-Roux	
VIZ	Vizianagram	
VIZE	Kirklareli, Vize-Akpinar	
VJD	Vijayawada	
VJF	Virojoki	
VJP	Vajepar	
VJYM	Jersey	
VKA	Vienna	
VKB	Valkenburg	
VKOLH	Longtal	
VL6*	Forgia Vecchia	
VLA	Vladivostok	
VLAD	Vladila	
VLAKA	Lakatoro	
VLC	Villacollemandina	
VLCH	Valdivia	
VLD	Valdez	
VLDQ	Val d'Or	
VLDR	Vladesti	
VLEBE	Tatafo	
VLEVI	Leviamp	
VLFB	Valfabbrica	
VLG	Velasquez	
VLH	Lignon Hill	
VLI	Veliai	
VLK	Valmikinagar	
VLKR	Vladikavkaz	
VLL	Laurance Lake	
VLM1	Valenii de munte	
VLMM	Larch Mountain	
VLMS	Volimes, Zakynthos	
VLN	Vanua Lava	
VLO	Vlora	
VLOH	Vernon-Luthman Wildlife Area	
VLP	Valparaiso	IHA
VLR	Valea Ierii	
VLS	Valsamata	
VLS2	Vaslui	
VLU	Vernal	
VLV	Valdivia	
VLW	Vlagtwedde	
VLW1	Vlagtwedde	
VLW2	Vlagtwedde	
VLW3	Vlagtwedde	
VLW4	Vlagtwedde	
VLX	Vlachokerasia	
VLY	Voula,Athens	
VLZ	Valdez	
VMA	Markates	
VMAR	Armenia, Volcan Miravalles	
VMC	Ville Marie	
VMG	Vicchio	
VMHM	Mount Hagen	
VMM05	San Martn	
VMM06	Sabana de Torres	
VMM07	Puerto Wilches	
VMM09	Lebrija	
VMM10	El Carmen	
VMNM	Maupin	
VMO	Villa Marinero	
VMON	MONTECRISTI 3	
VMR	Mayon Resthouse	
VMS	Misericordia	
VMT	TAPS TI Valdez	
VMUR	Van-Muradiye	
VN-	Vernal	VN-UT
VN6*	Vulcanello	
VNA	Neumayer	
VNA1	Neumayer--Station	
VNA2	Neumayer--Watzmann	
VNA3	Neumayer Olymp	
VNARW	Walarano	
VNCH	Vinchiaturo	
VND	Vanda	
VNDA	Vanda	
VNDS	Vrh nad Dolskim	
VNE	Neochorion	
VNF1	Venafro	
VNFG	Fog Glacier, Mount Veniaminof	
VNG	Vunargo	
VNHG	Veniaminof 1	

Code	Station Name	Other
VNKR	Veniaminof 5	
VNL	Vernal	
VNM	Villa de Garcia	
VNNF	Veniaminof 3	
VNNR	Vanino	
VNNZ	Vanand	
VNSG	Veniaminof 6	
VNSS	Veniaminof 8	
VNSW	Veniaminof 7	
VNT	Van	
VNTA	La Mica	
VNTQ	Ventisquero	
VN-UT	Vernal	
VNV	Volcan Villarrica	
VNWF	Veniaminof 8	
VNY	Varmlds Nysat	
VO-	Vinton	VO-IO
VOBA	Vobarno	
VOEG	Voegtlinshoffen	
VOEL	Voellerdingen	
VOG	Valley Oaks Golf Course, Visalia	
VOGL	Vogel Lake	
VOGT	Vogtsburg - Totenkopf, Kaiserstuhl	
VOI	Vohitsoka	
VO-IO	Vinton	
VOIR		
VOJS	Vojsko	
VOL	Volimes	
VOL2	Volos	
VOL3	Nea Ionia, Volos	
VOLV	El Volcan	
VOR	Voronezh	
VORD	Divnogorie	
VORI	VORI	
VORR	Voronezh	
VOS	Vostochnaya	VOSK
VOS01	OBS, OS01	
VOS02	OBS, OS02	
VOS03	OBS, OS03	
VOS04	OBS, OS04	
VOS05	OBS, OS05	
VOS06	OBS, OS06	
VOS07	OBS, OS07	
VOS08	OBS, OS08	
VOS09	OBS, OS09	
VOS10	OBS, OS10	
VOS4	Vostochnaya array site	
VOS5	Vostochnaya array site	
VOS6	Vostochnaya array site	
VOS7	Vostochnaya array site	
VOS8	Vostochnaya array site	
VOS9	Vostochnaya array site	
VOSK	Vostochnaya	
VOU	Vouglans	
VOVO	Vesuvio Pozzo Sede storica Osservatorio Vesuviano (NA) Italy	
VOY	Vojsko	
VOZR	Vozrozhdenie	
VPA	Pavliani	
VPD	Villa Park Dam	
VPDC	Valencia Peak Digital	
VPEM	Volcano Peak East	
VPIM	Pine Mountain	
VPK	Verdi Peak	
VPL	Vulcano Piano	
VPMM	Saint Patrick Mountain	
VPOB	Vesuvio Pollena, Pollena Trocchia (NA), Italy	
VPORT	Vila do Porto, Ilha de Santa Mara, Portugal	
VPOTO	Veturah	
VPP	Pira-Piraso	
VPPV	Vesuvio Pompei Porta Vesuvio, Pompei (NA), Italy	
VPS	Volcan Poas	
VPS2	Volcan Poas 2	
VPS6	Volcano Poas	
VPTE	Poasito	
VQS	Vieques	
VR2	Verdin	
VRAC	Vranov	
VRB	Verbania	
VRBM	Round Butte Dam	
VRC	Rainbow Creek	
VRCL	Vercelli	
VRD	Vardenis	
VRDI	Verde Repeater	
VRF	Varrio	
VRG01	Cascina	
VRG02	Cascina	
VRG03	Cascina	
VRH	Novokhopyorsk	
VRHR	Novokhopersk	
VRI	Vrincioaia	
VRLE	La Escondida, Volcan Rincon de la Vieja, Guanaca	
VRN	Varnville	
VRNA	Verona	
VRNZ	Vardanashen	
VRO1	Vrontados, Chios Island	
VRS	Kato Vasiliki	
VRSR	Storozhevoye	
VRSS	Vrsac	
VRT	Varto	
VRTB	Varto-Mus	
VRVM	Mexico City	
VRZ	Vera Road	
VRZA	San Zeno Di Montagna	
VRZG	Vardzia	
VRZT	Veris	
VSALE	Olo Olo	
VSARA	Lowerie	
VSBM	Spring Butte	
VSC	Varnville	
VSCM	Scott Mountain	
VSG	Visale	
VSHL	Vashlovani	
VSI	Simia	
VSK	Skopelos	
VSK1	VASILIKIADES	
VSK2	Vassilikiades, Cephalinia Isl.	
VSL	Villasalto	
VSL1	Vassilika	
VSLR	Vesyoloye	
VSM	San Miguel	
VSMM	Salem	
VSOM	Vertessomio	
VSP	Spence Mountain	
VSR	Storozhevoye	
VSS	Volcan San Salvador	
VSSB	Vesuvio San Sebastiano, San Sebastiano al Vesuvio (NA), Italy	
VST	Saint Thomas	
VSTC	Green Oak Ranch, Vista	
VSTT	Villa Sara, Treinta y Tres	
VSTU	Vaestervik	
VSU	Vasula	
VSULE	Kerevinumbu	
VSVD	Vaisvydziai	
VT-	Venator	VT-OR
VT1	Waterbury	
VT2	Vantage 2	
VTAMB	Tambalato	
VTB1	Vitulano	
VTBH	Vuterbahal	
VTCE	Turrialba Volcano	
VTCG	Tajo	
VTCM	Trout Creek Butte	
VTCV	VTCV, Calle Vargas, Turrialba	
VTDG	Vesuvio, Torre del Greco (NA), Italy	
VTDM	The Dalles	
VTF1	CHI Itaipu Binacional	
VTG	Vantage	
VTH	Erithrai	
VTHM	Trough	
VTIR	Vesuvio Tirone	
VTLA	Turrialba Volcano	
VTLO	VTLO	
VTM	Vitim	
VTMR	Vitim	
VTN	Vitineika	
VTON	El Valle, Cocle	
VT-OR	Venator	
VTR0	Volcan Turrialba	
VTRE	Volcan Turrialba, Hacienda Retiro	
VTRT	Volcan Turrialba, VTRT	
VTRZ	Vesuvio Terzigno, Terzigno (NA), Italy	
VTS	Vitosha	
VTU	Volcan Turrialba	
VTUC	Crater, Volcan Turrialba, Cartago	
VTUN	Crater Central, Volcan Turrialba, Cartago	
VTURT	Coulons	
VTV	Victorville	
VTVB	Vinh Tuy	
VTVM	Tizayuca	
VTX	Valle De La Trinidad	
VTY	Vatovaky	
VUE	Palo Seco	
VUL	Vulcan	
VULT	Monte Vulture - Melfi	
VUN	Vunikawai	
VVANG	Bakakara, VANGO	
VVASA	Asamaranda, VASAV	
VVAVU	Sasuli, VAVUN	
VVD	Valverde	
VVDG	Vesuvio Valle Del Gigante	
VVHS	Vashon High School SMO	
VVI	Villa di Villa	
VVK	Vomvokou	
VVLD	Villa Vallelonga	
VVMR	Verona	
VVO	Vivian	
VVOS	Brankovina	
VWBM	Wanoga Butte	
VWCC	Virginia Western Community College	
VWDT	VWDT	
VWMM	Walker Mountain	
VWUC	VWUC	
VWUSI	Wusi	
VWV	Potts Mountain	
VWZMW	Thunduwike	
VXJU	Vaexsjoe	
VYB	Vyborg	
VYHS	Vyhne	
VZS	Valdez South	
VZW	Valdez West	
W02B	Bay Bridge West Pier 2	
W05B	Bay Bridge West Pier 5	
W12A	Cal Nev Ari	
W13A	Hualapai Mountain Park, Kingman	
W14A	Seligman	
W15A	Williams	
W16A	Flagstaff	
W17A	Winslow	
W18A	Petrified Forest	
W19A	Sanders	
W20A	Ramah	
W21A	San Fidel	
W22A	Albuquerque	
W23A	Werner Place, Edgewood	
W24A	Lazy 6 Ranch, Villanueva	
W25A	X Bar L Ranch, Newkirk	
W26A	Owens Ranch, Tucumcari	
W27A	Bowe Ranch, Endee	
W28A	Vega	
W29A	Amarillo	
W30A	Crocket Farms Inc., Mclean	
W31A	Holland Ranch, Erick	
W32A	Sentinel	
W33A	Caddo, Fort Cobb	
W34A	Bridge Creek, Tuttle	
W35A	Tecumseh	
W36A	Wetumka	
W37A	Quinton	
W37B	Quinton	
W38A	Poteau	
W39A	Magazine	
W40A	Ferguson Farm, Pottsville	
W41A	Tony Mavity, Velonia	
W41B	Gary Mavity, Velonia	
W42A	Bald Knob	
W43A	Forest City	
W44A	Shelby Farms Park, Memphis	
W45A	Hickory Valley	
W46A	Michie	
W47A	Westpoint	
W48A	Pulaski	
W49A	Belvidere	
W50A	Signal Mountain	
W51A	Cleveland	
W52A	Murphy	
W53A	Cullowhee	
W54A	Cherokee Point, Campobello	
W56A	Indian Trail	
W57A	Gilead	
W58A	Raeford	
W59A	Clinton	
W60A	Pink Hill	
W61A	Ground Anchor Farm, New Bern	
WA-	Watson	WA-OK
WA1	Wongan Hills	
WA2	Wagin	
WA3	Talbot Brook	
WA4	Burakin	
WAA	Waris	
WAB	Wabag	
WABN	Wabush	
WACK	Wrangell Chichokna Glacier	
WACR	West Acre	
WACZ	Wakanui South Island, New Zealand	
WAD	Wadsworth	
WADE	Clinic, Wadera	
WADM	Wardell	
WAGN	Wager Bay	
WAH	Wahluke	
WAH2	Wahluke Slope	
WAHZ	Wakarara	
WAI	Wairiri	
WAINZ	Waiotahi Valley	
WAIT	Aitana	
WAJ	Wa jima	
WAJH	Al Wajh	
WAK	Wakkanai	
WAKE	Wake Island	
WAKJ	Wakkanai	
WAKR	Walker	
WAL	Wallace	
WAL1	Walls	
WALA	Waterton Lakes	
WALE	AfricaArray SE Tanzania Basin Experiment - YH	
WALHA	Wallhausen, DE	
WALJ	Wala	
WALK	Watson Lake	
WALR	Wallaroo	
WALT	Westhalten	
WALU	Walls	
WAM	Wambrook	
WAMI	Wamena	
WAN	Wanliss Street	
WAN2	Wando-Q330s	
WANAN	Al Wanan	
WANC	Wrangell North Crater	
WAND	WAND	
WANE	Ethiopian Broadband Seismic Experiment	
WA-OK	Watson	
WAPA	Wapiti River	
WAR	Warsaw	
WARB	Warburton	
WARBT	Fenglin Township	
WARM	Union City	
WARN	West Arenal	
WAS	Washington	
WASH	Ethiopian Broadband Seismic Experiment	
WASL	Wasel	
WASM	Alta Sierra Campground	
WASQA	WASQA	
WASW	Wrangell Southwest	
WAT	Watheroo	
WAT1	Susitna Watana 1	
WAT2	Susitna Watana 2	
WAT6	Susitna Watana 6	
WAT7	Susitna Watana 7	
WATA	Walderalm	
WATZ	Wairara	
WAU	Wau	
WAX	Waxell Ridge	
WAY	Waynesburg	
WAZ	Wanganui	
WAZA	Wrangell Mount Zanetti	
WB0	Warramunga Array Site B0	
WB1	Warramunga Ar.	
WB10	Warramunga Array, NT	
WB2	Warramunga Array Site B2	
WB3	Warramunga Array Site B3	
WB4	Warramunga Array Site B4	
WB5	Warramunga Array Site B5	
WB6	Warramunga Array Site B6	
WB7	Warramunga Array Site B7	
WB8	Warramunga Array Site B8	
WB9	Warramunga Array Site B9	
WBA	Furth	
WBAQ	Buaraba 3	
WBB	Darmstadt	
WBBU	Buerstadt	
WBC	Weber Canyon	
WBCY	West Bay, Grand Cayman	
WBD	Lorch/Rhein	
WBDA	Darmstadt	
WBE	West Bromwich	
WBFM	Frankfurt	
WBFO	Grube Fortuna	
WBG	Bieber	
WBH	Biblis	
WBHL	Wabush	
WBHS	Wadi `Ibn Hashbal	
WBI	Whiskey Butte	
WBK	Wadi Bani Khalid	
WBL	White Bluff	
WBMM	Breckenridge Mountain	
WBN	Warburton	
WBNH	Wolfeboro	
WBO	Williamsburg	
WBR	Bronaber	
WBS	Wahnbachtalsperre	
WBSI	Waikabubak, Sumba	
WBSM	Bird Springs	
WBW	Wilson Butte	
WC1	Warramunga Array Site C1	
WC2	Warramunga Array Site C2	
WC3	Warramunga Array Site C3	
WC4	Warramunga Array Site C4	
WCB	Warramunga Array	
WCB1	Church Bay	
WCBC	Windy Craggy	
WCC	Westchester Community College	
WCCN	Westchester CC	
WCFM	Cactus Flat W	CFWM
WCGM	China Gardens	CGSM
WCH	Changhua City	
WCHH	Zhanghua	
WCHM	Chimney Peak	
WCI	Wyandotte Cave	
WCIL	Waubonsee CC	
WCK	Wilson Creek	
WCKO	Fanlu	
WCM	Warland Creek	
WCMM	Kenton	
WCN	Washoe City	
WCNB	Wards Creek	
WCNY	West Carthage	
WCO	Washington City	
WCOM	Cook Peak	
WCPM	Cactus Peak W	CPTM
WCS	Beigang Elementary School	
WCSM	Coso Springs S	CSSM
WCT	Wildcat Mountain	
WCU	Willow Creek	
WCXM	China Lake Receiver Site	
WCZ	Waipu Caves	
WD-	Windom	WD-MN
WDB	Woudbloem	
WDB1	Woudbloem 1	
WDB2	Woudbloem 2	
WDB3	Woudbloem 3	
WDB4	Woudbloem 4	
WDBM	Warragamba Dam	
WDC	Whiskeytown Dam	
WDD	Wied Dalam	
WDG	Wallace Dam	
WDGT	Dungji	
WDIN	Wadesville	
WDIS	Woodlark Island	
WDJ	Dajia District, Taichung City	
WDL	Douliou City	
WDLH	Douliu	
WDLM	Western Deep Levels Mine	
WD-MN	Windom	
WDN1	Woodanilling	
WDO	Saint George	
WDS	Woodside	
WDT	Danda	
WDW	Wainui Dam	
WDY	Woody	
WEAV	Weaverville	
WEBT	Westdahl Beartrack Creek	
WECS	Westdahl Cape Sarichef	
WEGH	Weija	
WEIJ	Weija Dam	
WEIL	Weil am Rhein	
WEIN	Weingarten	
WEK	Wewak	
WEL	Wellington	
WELAS	Turaif	
WELK	Ethiopian Broadband Seismic Experiment	
WELL	Weller Preserve, CA USA	
WEMD	Westmorland, California	
WEMQ	Wemindji, Quebec	
WEN	Wenatchee	WNW
WENL	Wente Vineyards, Livermore	
WENY	Wenya	
WEO	Welcome	
WER	Werombi	
WERC	Wheeler Ridge	
WERD	Werda	
WERN	Wernitzgruen	
WES	Weston	
WESC	Westside School	
WESE	West Dahl East	
WESF	Westfeld	
WESN	West Dahl North	
WESP	Westdahl Peak	
WESS	West Dahl South	
WEST	Westmoreland	
WET	Wettzell	
WEW	Wewak	
WEWE	WEWE	
WEWK	Wewak	
WF-	Wykoff	WF-MN
WFAR	Faris Peak	
WFB	Fairbourne	
WFF	Whiting Field	
WFM	Westford	
WF-MN	Wykoff	
WFSB	Wu-fen Shan	
WG2	Wallula Gap	
WG3	Wallula Gap	
WGAR	Walnut Grove	
WGB	Blue River	
WGBM	Warragamba	
WGK	Gukeng	
WGL	Warangal	
WGLY	Wegel	
WGMA	Westboro	
WGW	Wallila Gap	
WGZ	Waimangu	
WH-	Whitehorse	WH-YK

Code	*Station Name*	*Other*
WH2	Whipple Mountains 2	
WH2*	Whitehorse	WH2YK
WH2YK	Whitehorse	
WHA	Wahaula	
WHAB	Al Wahab	
WHAR	Wooly Hollow	
WHB	Whistler	
WHC	Whitehorse	
WHF	Hehuan Shan	
WHFM	Hanning Flat	
WHFN	White Fish Lake	
WHFO	Wadi Hawf	
WHH	Whakatau	
WHHZ	Waihua	
WHI	Whitney	
WHM	Wild Horse Parks	
WHN	Wuhan	
WHNE	Wahoo	
WHP	Taichung City	
WHR		
WHRZ	Whale Island	
WHSM	Haiwe Spring S	HWSM
WHTX	Lake Whitney, Meridian	
WHTZ	Whakaora	
WHU	Wild Horse	
WHVM	Havilah	
WHVZ	Whangaehu Hut	
WHW	Wright's Hill	
WHY	Whitehorse	
WHYH	Whyalla	
WH-YK	Whitehorse	
WHYT	Xinyi Township	
WHZ	Wether Hill Road	
WI-	Winnemucca	WI-NV
WI01	McKinley Avenue, Clintonville	
WI02	Reinke Road, Clintonville	
WI03	Lunz Road, Clintonville	
WI04	River Road, Clintonville	
WIAZ	Waiheke Island	
WICI	Willow Creek	
WIFE	Three Sisters--Wife	
WIGH	Winneba	
WIH	Wilkes Camp	
WIHG	Wadia Institute--Dehra Dun	
WIL	Wilkes	
WILA	Wila	
WILF	WILFRIDO LOOR	
WILL	Willung South	
WILN	Americas 2	
WILW	Wilwerwiltz	
WIM	Isle of Man	
WIMIS	Wimmis	
WIMM	Wimmelburg	
WIN	Windhoek	
WINA	Alland / Wienerwald	
WINE	Golden State Vinters, Fresno, CA USA	
WINO	Wino	
WI-NV	Winnemucca	
WIS	Wister	
WISC	Wilburton Instructional Services Center	
WISH	Wishkah	
WIT	Witteveen	
WITU	Witu Islands	
WIW	Wooded Island	
WIZ	White Island	
WJHS		
WJPM	Johns Peak	
WJS	Zhushan	
WK-	Williams Lake	WK-BC
WKA	Willalooka	
WKB	White Rock	
WK-BC	Williams Lake	
WKC	Walker Ridge	
WKC2	Walker Ridge	
WKE	Wake	
WKH	Waikii	
WKJ	Wajiki	
WKM	Welkom	
WKME	Wakayama	
WKR	Work Ranch	
WKTM	Kern-Tulare	
WKU	Wakaura	
WKY	Wakayama	
WKYJ	Wakayama 2	
WKZ	Wanaka	
WL-	Watson Lake	WL-YK
WLA	Wittsburg Lake	
WLAR	White Oak Lake	
WLC	Llyn Conwy	
WLCH	Liuqiu	
WLCT	Hsiaoliuchiu	
WLD	Wild Horse Canyon	
WLDE	Waldi	
WLDR	Wildhorse	
WLF	Walferdange	
WLF1	Llynfaes	
WLFZ	Wanganui	
WLG	Waldron Ledge	
WLGB	Puzi	
WLHM	Little Horse	
WLI	Wellesley Island	
WLJ	Wildlife	
WLK	Wiest Lake	
WLL	Williamstown	
WLM	Willow Mountain	
WLO	Wilson	
WLPM	Leibel Peak	
WLS	Welschbruch	
WLTB	Daxi	
WLVO	Wesleyville	
WL-YK	Watson Lake	
WLZ	Whitehall	
WM-	Williams	WM-AZ
WMA	West Mesa	
WM-AZ	Williams	
WMBQ	Mount Brisbane	
WMD		
WME	Myndd Eilian	
WMELI	Melilla	
WMG	Wormeldange-Haut	
WMGZ	Waiomatatini Station	
WMH	Warmenhuizen	
WMH1	Warmenhuizen	
WMH2	Warmenhuizen	
WMH3	Warmenhuizen	
WMH4	Warmenhuizen	
WML	Westmorland	
WMLT	Mailiao	
WMN	Winnemucca	
WMNY	West Monroe	
WMO	Wichita Mountains Array	
WMOK	Wichita Mountains	
WMOR	Whale Back Mountain	
WMQ	Urumqi	
WMR	Waimanalo Ridge	
WMRG	Woomera	
WMS	West Middle School	
WMSJ	Wadi Mousa	
WMTN	White Oak Mountain	
WMU	West Mountain	
WMUT	West Mountain	
WMV	Walker Mountain	
WMY	Wakamiya	
WMZ	Williams	
WN-	Winner	WN-SD
WNC	Wilmington	
WND	Windham	
WNDE	Wendo Genet	
WNH	Whiteface	
WNMM	Nine Mile Canyon	NMC
WNN	Wann	
WNR	Windsor	
WNS	Wenas	
WN-SD	Winner	
WNT	Mingjian	
WNT1	Nantou City	
WNVZ	Wahianoa	
WNW	Wenatchee	
WNY	Wilmington	
WNZ	Wairakei	
WO-	Winslow	WO-AZ
WO-AZ	Winslow	
WOB	Weather Observatory	
WOER	Woert	
WOFM	Oak Flat	
WOH	Wood Valley	
WOJI	Wonogiri, Jawa	
WOL	Wolverton	
WOLE	Ethiopia-Afar Geoscientific Lithospheric Experiment	
WOLEN	Wohlen bei Bern, Struchismoos, BE	
WOLH	Wollongong Hard Rock	
WON	Wolverton North	
WOO	Woodstock	
WOOD	Lake Woodford	
WOOL	Woolibar	
WOOM	Toowoomba	
WOOW	Woowoonga Park, Biggenden, Queensland, Australia	
WOR	Worcester	
WORM	Onyx Ranch	
WOSB	Woss	
WOSN	Wonsan	
WP01	e3381	
WP02	e3380	
WP04	e3369	
WP05	e3371	
WP06	e3382	
WP08	e3372	
WP20	e3385	
WP21	e3376	
WP22	e3183	
WPA	Woody Point	
WPB	Watts Point	
WPH	West Pit	
WPHZ	Waipukurau	
WPI	Wilson Peak	
WPL	Puli Township	
WPM	White Pine	
WPM1	Penmaenmawr	
WPMQ	Pine Mountain	
WPNY	West Park	
WPO	West Portland	
WPOG	Pogromni	
WPR	Ward Pound Ridge	
WPRZ	Whakapapataringa	
WPS	Cemaes, Anglesey	
WP-TX	Wills Point	
WPVZ	Whakapapa	
WPW	White Pass	
WPZ	Waipapa Point	
WQ-IL	Watseka	
WR-	Walnut Ridge	WR-AR
WR0	Warramunga Array Site R0	
WR1	Warramunga Array Site R1	
WR2	Warramunga Array Site R2	
WR3	Warramunga Array Site R3	
WR4	Warramunga Array Site R4	
WR5	Warramunga Array Site R5	
WR6	Warramunga Array Site R6	
WR7	Warramunga Array Site R7	
WR8	Warramunga Array Site R8	
WR9	Warramunga Array Site R9	
WRA	Warramunga Array Beam Reference Point	
WRAB	Tennant Creek	
WRAI	Warramunga Infrasound Array Beam Reference Point	
WRAK	Wrangell Island	
WR-AR	Walnut Ridge	
WRB	Warramunga Array	
WRC	Williams Ranch	
WRCM	Renegade Can. W	RCWM
WRCQ	Reedy Creek 5	
WRD	Warden	
WRDH	Warideh	
WRG	White River Glacier	
WRGLY	Wrigley	
WRH	Wood River Hill	
WRKA	Warakurna	
WRL	Guolierlin High School	
WRM	Warmifontaine	
WRMHI	West Rim	
WRN	Worthington Mountains	
WRNM	Woronora	
WRPS	Penn State University	
WRS	Warsak Dam	
WRVM	Rose V. Central	RVCM
WRW	Wenatchee Ridge	
WS-	Waterways	WS-AT
WSA	Woomera	
WSAR	Wadi Sarin	
WS-AT	Waterways	
WSC	Washington Science Center	
WSCM	Short Canyon	
WSCO	Wright State University--Celina	
WSDO	Wright State University--Dayton	
WSDZ	Springvale	
WSF	Szhu	
WSFZ	Santoft	
WSH	Washington Hill	
WSHM	Spangler Hills	
WSI	Waingapu	
WSIL	West Salem	
WSKAK	WSKAK	
WSL	Shuilin Township	
WSLR	Whistler	
WSN	Warm Springs	
WSNC	Winespring Bald	
WSNZ	Santoft	
WSP	Warm Springs	
WSPT	Westport, CT	
WSR	Warm Springs Repeater	
WSRE	Westside REC, California	
WSRZ	White Island Summit, North Island, New Zealand	
WSS	West Ashley	
WSSB	Gushan	
WSSR	Wesser Bold	
WSSZ	Parewanui	
WST	Stwlan	
WSYH	La Gonave Hosp	
WT-	Wartburg	WT-TN
WTAZ	Waiatarua	
WTBG	Waterberg Wilderness,Limpopo Province	
WTBKS	WTBKS	
WTC	Waterton	
WTCR	Whites Canyon	
WTCT	Ta-ch'eng	
WTFS	Witchita Falls	
WTGQ	Toogoolawah	
WTK	Tuku	
WTLY	Watson Lake, Yukon	
WTMTA	White Mountain Lookout Tower, Alberta	
WTNK	Soaring Heights, Las Vegas	
WTP	Ta-pu	
WTPK	Wilton Park	
WTR	Waterville	
WTRB	White River	
WTRQ	Thallon Road	
WTS	Winterswijk	
WTSB	Winterswijk	
WTT2	Watts, South Gate	
WTTA	Wattenberg	
WT-TN	Wartburg	
WTU	Western Traverse Mountains	
WTUG	Tugumak	
WTV	Waterville	
WTVE	Waterville	
WTVZ	West Tongariro	
WTW	West Thumb	
WTX	Workman Tunnel	
WTZ	Whakatane	
WUAZ	Wupatki	
WUC	Wuhan	WHN
WUCE	Wuchale	
WUET	Wuestenhain	
WUH	Wuhan	
WUNP	San Ardo, CA	
WUPA	West Chester University of Pennsylvania, USA	
WUS	Wushi	
WUSB	Renai	
WUW	Wuwei	
WUWY	Wally Ulrich	
WVA	Winnemucca Valley	
WVIL	Wabash College	
WVL	Waterville	
WVLY	West Valley	
WVNY	West Valley, New York	
WVOR	Wild Horse Valley	
WVPM	Volcano Peak E	VPEM
WVR	Vyrnwy	
WVT	Waverly	
WVUT	Wellsville	
WVZ	Waitaha Valley	
WW-	Wah Wah Mts	WW-UT
WWF	Wufeng	
WWHQ	Wivenhoe Hill 3	
WWHS	Walla Walla High School ANSS SMO	
WWKK	Wewakk	
WWPM	Walker Pass	
WWR	Whitewater	
WW-UT	Wah Wah Mountains	
WWW	Wewak	
WY-	Wynne	WY-AR
WY0	Wyoming Array	WYO
WYA	Wyangala	
WYAL	Wyalkatchem	
WY-AR	Wynne	
WYBT	Wynnburg	
WYH	Wyhlen	
WYL	Yuanlin Township	
WYN1	Wijnaldum	
WYN2	Wijnaldum	
WYN3	Wijnaldum	
WYN4	Wijnaldum	
WYO	Wyoming Array	
WZ-NV	Warm Springs	
X102	Greenbrier Site X102	
X13A	Yucca	
X14A	Yava	
X15A	Humboldt	
X16A	Lo Mia Camp, Pine	
X17A	Forest Lakes	
X18A	Snowflake	
X19A	St. Johns	
X201	Greenbrier Site X201	
X20A	Quemado	
X21A	Alamocita Creek, Datil	
X22A	Bernardo	
X23A	Hourglass Bar Ranch, Mountainair	
X24A	Lazy VL Ranch, Encino	
X25A	Clemmons Ranch, Yeso	
X26A	CR and CF Franklin Farms, Melrose	
X27A	F and S Farms, Texico	
X28A	Dimmitt	
X29A	Tulia	
X301	Greenbrier Site X301	
X30A	Coker Ranch, Turkey	
X31A	McDonald Ranch, Hollis	
X32A	Elmer	
X33A	Lawton	
X34A	Smith Ranch, Marlow	
X35A	Drake	
X36A	Centrahoma	
X37A	Clayton	
X38A	Whitesboro	
X39A	Fountain Ranch, Mena	
X40A	Basin Creek Farm, Marlvern	
X41A	Kaden, Bauxite	
X42A	Stuttgart	
X43A	Marvell	
X44A	Crenshaw	
X45A	UM Field Station, Abbeville	
X46A	Booneville	
X47A	Russelville	
X48A	Hartselle	
X49A	Woodville	
X50A	Fort Payne	
X50B	Fort Payne	
X51A	Calhoun	
X52A	Dahlonega	
X53A	Estanollee	
X54A	Belton	
X55A	Gracelyn & Ava, Whitmire	
X56A	White Oak	
X57A	Johnson Farm, Hartsville	
X58A	Rowland	
X59A	McDuffie Farm, Elizabethtown	
X60A	Albert Glenn Thornton	
XAFF	Xaffevillers	
XAL	Allendale	
XALA	Xalapa	
XAN	Xi'an	
XAN2	Xanthi	
XANC	Avdira	
XAUDM	Khaudum	
XAVN	Gruta Xavier	
XCVM	Xochimilco	
XDE	Dent Fell	
XIII	Pantano de Alfonso	
XIN	Xingo	
XIO	Khios Island	
XIXI	Borongxiang, Xizang Zizhiqu	
XLT	XiLinHaoTe	
XLV	Seldovia	
XMAS	Kiritimati	
XMI	Christmas Island	
XMIS	Christmas Island	
XMS	Christmas Canyon	
XNQ	Khinaliq	
XNZR	Khunzakh	
XOR	Xorichti	
XPFO	Pin@16on Flat	
XPSS	Dashiqiu	
XRY	Khrisi	
XSO	Sourhope Farm	
XTAL		
XTL	Crystal Lake, Glendora	
XTNZ	Xhotanan	
XYB	Khnkoyan	
Y12C	Blythe	
Y13A	Salome	
Y14A	Wickenburg	
Y15A	Casa Rosa Ranch, Morristown	
Y16A	Circle Bar Ranch, Sunflower	
Y17A	Roosevelt	
Y18A	Canyon Day Junior High, Whiteriver	
Y19A	Nutrioso	
Y20A	Horse Springs, Datil	
Y21A	Point of Rocks Canyon, Magdalena	
Y22A	Socorro	
Y22C	IRIS PASSCAL Instrument Center, Socorro	
Y22D	IRIS PASSCAL Instrument Center, Socorro	
Y22E	IRIS PASSCAL Instrument Center, Socorro	
Y22F	Passcal Instrument Center, Socorro	
Y23A	Lovelace Mesa, Carrizozo	
Y24A	Capitan	
Y25A	Mesa, Roswell	
Y26A	Elida	
Y27A	Causey	
Y28A	McKinney Farm, Littlefield	
Y29A	Porterfield Farm, Petersburg	
Y30A	Stafford Cattle Company, Roaring Springs	
Y31A	Rekieta Farm, Paducah	
Y32A	R-V Farms, Vernon	
Y33A	Hilltop Ranch, Iowa Park	
Y34A	Reagan Ranch, Oscar	
Y35A	Marietta	
Y36A	Durant	
Y37A	Hugo	

Code	Station Name	Other
Y38A	Idabel	
Y39A	Lockesburg	
Y40A	Okolona	
Y41A	Eaglette Bearden	
Y42A	Garnett, Star City	
Y43A	Makayla and Karen, Gunnison	
Y44A	Strider, Charleston	
Y45A	Yeager Farm, Coffeeville	
Y46A	Houston	
Y47A	UCPARC, Winfield	
Y48A	Jasper	
Y49A	Blount Mountain	
Y50A	Piedmont	
Y51A	Rockmart	
Y52A	Lilburn	
Y53A	Monroe	
Y54A	Tignall	
Y55A	Saluda	
Y56A	Pelion	
Y57A	Sumter	
Y58A	Scranton	
Y59A	Loris	
Y60A	Bolivia	
YA-	Yakima	YA-WA
YA2	Yakima	
YAG	Yagi	
YAGS	Yagodnoe	
YAH	Yahtse	
YAHU	Yahuarcocha	
YAHY	KAYSERI_Yahyali	
YAIG	Yautepec	
YAK	Yakutsk	
YAKH	Yakhch	
YAKW	Yakima	
YAL	Yalta	
YALA	Shishapangma	
YALB	Yaro	
YALI	Yalozu-CANKIRI	
YALR	Yailyu, Altay Republic, Russia	
YALV	Yalova Cinnet	
YAM	Yamagata	
YAMJ	Yamagata	
YAMN	Yamanlar	
YAN	Yangoru	
YANA	Yana	
YANT	Yantzaza	
YAPA	Yangpyeong	
YAPP	Yappala Station, SA	
YAQ	Yaqui Meadows	
YAR	Yar	
YARA	Arangoiti	
YARM	Yarimca-Ladik(Samsun)	
YARR	Yarramundi, NSW	
YAS	Yuasa	
YASH	Mount Yoash	
YASP	Aspurt	
YASR	Yasnyy	
YASS	Yasnyy	
YAT	Yaldymych	
YATNC	Mamie plateau, Yate, New Caledonia	
YA-WA	Yakima	
YAY	Yayoi	
YAYA	Ganghyeon	
YAYB	Yangyang	
YAYE	Debre Tabor	
YAYL	Yayladag	
YAYO	Edremit-Balkesir	
YAYX	Yaylak	
YAZI	Mula-Dat§a-Yazk¶ly	
YBER	Berdun	
YBGR	Belaya Gora	
YBH	Yreka Blue Horn Mine, Yreka	
YBIB	Yerba Buena Island	
YBKN	Baker Lake, Hudson Bay	
YBMT	Yellow Bay	
YBT	Youssef Ben Tachfine	
YBZ	Yangibazar	
YCA	YACYRETA	
YCB	Yellow Creek Bluff	
YCM	YMCA Camp	
YCRN	Chernyshevskiy	
YDRA	Hydra	
YE6	Yeelanna, site6	
YEBES	Yebes (Guadalajara)	
YECH	El Yeso	
YEDI	Yedisu-Bingol	
YEG	Yeguas Mountain	
YEL	Yellow Rock	
YEL1	Yell	
YELA	Yelapa	
YELM	Yotvata	
YELT	Yellice	
YELU	Yell	
YENC	ankr-Yenice	
YENG	Yeonggwang	
YENI	Yenice-Canakkale	
YER	Yerkesik	
YERM	Yerranderie	
YERR	Yerington	
YESI	Yesilovacik-Mersin	
YESY	Yesilyurt	
YEYB	Yeongyang	
YF2NV	Yucca Flat NTS	
YF3NV	Yucca Flat NTS	
YF4NV	Yucca Flat NTS	
YF-NV	Yucca Flat NTS	
YFT	Old Faithful	
YGAA	Yongam	
YGI	Yagi	
YGJA	Yongjeong	
YGTL	Yigitali	
YHAZ	YHAZ	
YHB	Horse Butte	
YHH	Holmes Hill	
YHJ	Yallahs	
YHK	Yuen Ng Fan	
YHKE	Yahiko	
YHL	Hebgen Lake	
YHNB	Yeheng	
YHOZ	YHOZ	
YHR	Hawk`s Rest	
YHRM	Eilat	
YIGI	Dzce	
YIN	Yingkou	
YINB	Yongin	
YJA	Yavi	
YJC	Joseph's Coat	
YJD	YOUNGJONGDO	
YKA	Yellowknife Array Beam Reference Point	
YKAB0	New Yellowknife Blue 10	
YKAB1	New Yellowknife Blue 1	
YKAB2	New Yellowknife Blue 2	
YKAB3	New Yellowknife Blue 3	
YKAB4	New Yellowknife Blue 4	
YKAB6	New Yellowknife Blue 6	
YKAB7	New Yellowknife Blue 7	
YKAB8	New Yellowknife Blue 8	
YKAB9	New Yellowknife Blue 9	
YKAR1	New YK Array red 1	
YKAR2	New YK Array red 2	
YKAR3	New YK Array red 3	
YKAR4	New YK Array red 4	
YKAR5	New YK Array red 5	
YKAR6	New YK Array red 6	
YKAR7	New YK Array red 7	
YKAR8	New YK Array red 8	
YKAR9	New YK Array red 9	
YKAV	Yalikavak-Bodrum	
YKAW1	Yellowknife White 1	
YKAW3	Yellowknife White 3	
YKB0	Yellowknife Array Site B0	
YKB1	Yellowknife Array Site B1	
YKB2	Yellowknife Array Site B2	
YKB3	Yellowknife Array Site B3	
YKB4	Yellowknife Array Site B4	
YKB5	Yellowknife Array Sites B5 and R8	
YKB6	Yellowknife Array Site B6	
YKB7	Yellowknife Array Site B7	
YKB8	Yellowknife Array Site B8	
YKB9	Yellowknife Array Site B9	
YKBL	Yakuplu-Istanbul	
YKC	Yellowknife	
YKDB	Yokjido	
YKE	Yakedake	
YKGM	Yakataga	
YKI	Yokaichiba	
YKLR	Yuktali	
YKM	Yaak	
YKR0	Yellowknife Array	
YKR1	Yellowknife Array Site R1	
YKR2	Yellowknife Array Site R2	
YKR3	Yellowknife Array Site R3	
YKR4	Yellowknife Array Site R4	
YKR5	Yellowknife Array Site R5	
YKR6	Yellowknife Array Site R6	
YKR7	Yellowknife Array Site R7	
YKR8	Yellowknife Ar.	YKB5
YKR9	Yellowknife Array Site R9	
YKS	Yaku shima	
YKT	Yakutat	
YKU	Yakutat	
YKU2	Yakutat	
YKW1	Yellowknife Array Site W1	
YKW2	Yellowknife Array Site W2	
YKW3	Yellowknife Array Site W3	
YKW4	Yellowknife Array site W4	
YLA	Ilan	ILA
YLE	Yale	
YLL	Llanberis	
YLMLM	YLMLM	
YLNS	Uelen temporary site, Chukotka	
YLT	Little Thumb Creek	
YLTN	Yulton	
YLV	Yalova	
YLVH	Yalova	
YLYR	Ulyunkhan	
YM01	YM01	
YM03	YM03	
YM04	YM04	
YM05	YM05	
YM06	YM06	
YM07	YM07	
YM08	YM08	
YM09	YM09	
YM10	YM10	
YM11	YM11	
YM12	YM12	
YMBN	Yamba Lake	
YMC	Maple Creek	
YMD	Yuma Desert	
YML	Mary Lake	
YM-NV	Yucca Mountain	
YMP	Mirror Lake Plateau	
YMR	Madison River	
YMS	Mount Sheridan	
YMT1	Yucca Mountain	
YMT2	Yucca Mountain	
YMT3	Yucca Mountain	
YMT4	Yucca Mountain	
YMT5	Yucca Mountain	
YMT6	Yucca Mountain	
YMUS	Pea Musera	
YMV	Mammoth Vault	
YMZ	Yamizo	
YMZU	Yamizo	
YNAR	Nardues-Aldunate	
YNB	Natural Bridge	
YNBS	Yanbu` al Bahr	
YNC	Yinchuan	
YNCB	YEONCHEON	
YNCM	YENICE	
YND	Yaounde	
YNDB	Yeoundo	
YNDE	AfricaArray - AF	
YNE	Yellowstone Northeast Entrance	
YNEN	Yamba Lake Northeast	
YNG	Young	
YNGY	Yangiyul	
YNM	Yellowstone Norris Museum	
YNR	Norris Junction	
YNT	Yunotani	
YOA	Uoyan	
YOA0	Yeongam	
YOAB	Uoyan, Buryatiya, Russia	
YOBS		
YOCB	Yeongcheon	
YODB	Yeongdeok	
YOGI	Yogyakarta	
YOIG	Yosondua	
YOJ	Yonaguni jima	
YOJB	Youngju	
YOK	Yokohama	
YOKT	Yokooka	
YOMI	Yo Moklole	
YON	Yonago	
YONJ	Yonago 2	
YOO	Oaxaca	
YOPC	Yopal, Colombia	
YORU	Yoruktepe-Mersin	
YOS	Yoshiwara	
YOSD	Yoshimatsu	
YOSQ	Ashton Mining of Canada property	
YOTC	Yotoco, Valle del Cauca	
YOU	Young	
YOUB	Youbou, Lake Cowichan	
YOVA	Hakkari_Yksekova	
YOZ	Yozgat	
YOZG	Bozok Univ. Merkez-YOZGAT	
YPBB	Black Butte	
YPBE	Bechler	
YPBR	Bridge Bay	
YPCJ	Canyon Junction	
YPDB	Yeonpyeongdo	
YPDC	Denny Creek	
YPE	Yupe	
YPEE	East Entrance	
YPGV	Grant Village	
YPHR	Hebgen Ridge	
YPHS	Hot Springs Basin	
YPK	Parker Peak, Yellowstone National Park	
YPLA	Lake Butte	
YPLB	Lake Butte	
YPLK	Lake Junction	
YPM	Purple Mountain	
YPMF	Mesa Falls	
YPML	Mary Lake	
YPOF	Old Faithful	
YPP	Pitchstone Plateau	
YPPC	Pelican Cone	
YPRL	Red Lodge	
YPSB	Soda Butte	
YPSE	South Entrance	
YPT	Yellepit	
YPTB	Twin Buttes	
YPTS	Trude Siding	
YPWB	West Boundary	
YR-	Yreka	YR-CL
YRC	Rhoscolyn	
YR-CL	Yreka	
YRD	Yardimli	
YRE	Yr Eifl	
YRG	Yaruga	
YRH	Rhiw	
YRTN	Rankin Inlet	
YSA	Yasawairara	
YSAB	Yesan	
YSIG	Sigues	
YSK	Yokosuka	
YSM	Yoshimatsu	
YSNY	Yorkshire	
YSOS	Sos del Rey Catolico	
YSS	Yuzh-Sakhalinsk	
YST	Yumesaki	
YSUO	Youngstown State University	
YTC	Trail Creek	
YTIR	Yattir	
YTP	The Promontory	
YTV	Yen Tu	
YUB	Yubileniya	
YUBA	Cisco Grove, Yuba Pass, CA USA	
YUCAX	Ej. Yucat¡n	
YUF	Upper Falls	
YUGA	Yugu	
YUH	Yuha Desert	
YUH2	Yuha Desert	
YUK	Yuzh-Kuril'sk	
YUK1	Sand Pete Hill	
YUK2	White River	
YUK3	Moose Creek	
YUK4	Talbot Arm	
YUK5	Granite Creek	
YUK6	Outpost Mountain	
YUK7	Dusty Glacier	
YUK8	Steele Glacier	
YULB	Yu-li	
YUM	Yumen	
YUMT	Yumurtalik	
YUND	Undues	
YUNZ	YUNZ	
YUO	Iwo jima	
YUP	Yupiltepeque	
YURE	YUREGIR	
YUS	Yu-Shan	
YUVA	Yuva-Kibriscik (Bolu)	
YUX	Yurimuri	
YVAC	Isparta, Yalvac-Ozguney	
YVAM	Verhnyaya Amga	
YWY	West Yellowstone	
YXBM	Banmiancun	
YYI	Yaongyimsen	
YYLC	Yaylacik	
YYYY	Yonkie	
YZKH	Yazd	
YZT	Yamasaki	
YZU	Yuzawa	
Z13A	Yuma Proving Gounds (US Army), Dateland	
Z14A	Wintersburg	
Z15A	Gila River Indian Community, Laveen	
Z16A	Peralta Trail, Apache Junction	
Z17A	San Carlos High School, San Carlos	
Z18A	Geronimo	
Z19A	T-Link Ranch, Clifton	
Z20A	Nine Sixteen Ranch, Cliff	
Z21A	St. Cloud Mine, Winston	
Z22A	Elephant Butte, Truth or Consequences	
Z23A	Rita Site, White Sands Missle Range	
Z24A	Sheeppen Canyon, Tinnie	
Z25A	Roswell	
Z26A	Caprock	
Z27A	Tatum	
Z28A	Tucker Farm, Meadow	
Z29A	Hungry Hill Ranch, Wilson	
Z30A	Sanderson Ranch, Post	
Z31A	Sharp Cattle Ranch, Aspermont	
Z32A	Haskell	
Z33A	Whitaker Ranch, Olney	
Z34A	Collier Ranch, Chico	
Z35A	Perchaven, Sanger	
Z36A	Blue Ridge	
Z37A	Pogue Cattle Company, Sulphur Springs	
Z38A	Mt. Pleasant	
Z39A	Irene McRaven, Queen City	
Z40A	Long Farm, Magnolia	
Z41A	Richland Creek Farm, El Dorado	
Z42A	Norrel Spur, Hamburg	
Z43A	Armstrong Family, Eudora	
Z44A	Pea Ridge, Belzoni	
Z45A	Winona	
Z46A	Louisville	
Z47A	Carrollton	
Z48A	Northport	
Z49A	Columbiana	
Z50A	Ashland	
Z51A	Franklin	
Z52A	Williamson	
Z53A	Monticello	
Z54A	Sparta	
Z55A	Blythe	
Z56A	Williston	
Z57A	Bowman	
Z58A	St. Stephen	
Z59A	Georgetown, SC	
ZA1	Zafferana	
ZAA0	Zalesovo Array Site A0	
ZAA1	Zalesovo Array Site A1	
ZAA2	Zalesovo Array Site A2	
ZAA3	Zalesovo Array Site A3	
ZAB	Zabrze	
ZAB1	Zalesovo Array Site B1	
ZAB2	Zalesovo Array Site B2	
ZAB3	Zalesovo Array Site B3	
ZAB4	Zalesovo Array Site B4	
ZAB5	Zalesovo Array Site B5	
ZAC	Zacaltic	
ZACH	Zapallar	
ZAF	Zafarana	
ZAG	Zagreb	
ZAG*	Zagreb	
ZAGS	Zajecar	
ZAHL	Zahle	
ZAI	Zaio	
ZAIG	Zacatecas	
ZAK	Zakamensk	
ZAK2	Zakynthos	
ZAL	Zalesovo	
ZALD	Colegio Gonzalo Zaldumbide - Quito	
ZALF	Zalf	
ZALV	Zalesovo Beam	
ZAM	Aeronautique	
ZAN	Zante	
ZANG	Zanguenga, Chorrera	
ZAPA	Alfaro Ruiz	
ZAPC		
ZAPS	Zavoj	
ZARA	Zarafshon	
ZARC	Zaragoza, Cauca	
ZARE	Zarcero	
ZARO	Zacharo	
ZARR	Zarrentin	
ZATK	Zatriq	
ZAV	Zavalia	
ZAVE	Correggio Bag	
ZAVS	Zavodnje	
ZAX	El Zacaton	
ZBID	Zabid	
ZC01	Zona Comercial 1	
ZC06	Zona comercial 6	
ZCCA	Zocca	
ZCP	Zamboanga City	
ZEA	Zeya	
ZEDA	zmir-Bergama	
ZEFH	ZEFH	
ZEI	Tsey	
ZEIT	Gabal Elzet	
ZEITZ	Schloss Moritzburg Zeitz	
ZELE	Perez Zeledon	
ZELS	Zelsheim	
ZEM	Michoacan	
ZEN8	San Zeno di Montagna	
ZER	Zerhoun	
ZERI	Nueva Zelanda, Rincon	
ZEU	Talsperre Zeulenoda	
ZEY	zmir	
ZEYE	Izmir, Urla-Zeytineli	
ZFI	Zemlya Franca-Iocifa	
ZFI2	Zemlya Franca-Iocifa2	
ZFRI	Zfri	
ZFT	Errachidia	
ZGN	Zaghouan	
ZGR	Zagora	
ZGR4	Zagorskoe	
ZGT	Zonguldak	
ZHC	Zelena Hora	
ZHDN	Zahedan	
ZHG	ZHG	
ZHGX	Zihuatanejo	
ZHI	Cilov Adasi	
ZHN	Zhinishke	
ZHOB	Zhob	
ZHSF	Zahedan	
ZIAN	Ziano	
ZIH	Zihuatanejo	
ZIIG	Zihuatanejo	
ZIM	Zimchurud	
ZIMR		
ZIN	Mount Zion Church	
ZINI	Mgazini	
ZIP	Tsipikan	
ZIRI	Ziria, Aigialia, West Greece	
ZIRJ	Zirje	
ZIRO	ZIRO	
ZIS	Zishin	
ZKR	Zakros	
ZKS	Zakynthos	
ZKT	Zaqatala	
ZKTA	Zakatala	

Code	Station Name	Other
ZKW	Sheshan	
ZL21	Zuidlaarderveen (2)	
ZL22	Zuidlaarderveen (2)	
ZL23	Zuidlaarderveen (2)	
ZL24	Zuidlaarderveen (2)	
ZLA	Zuerich Laegern	
ZLDR	Utesnoe	
ZLN	Zelenaya	
ZLNR	Zelenogorsk	
ZLP	Zongo (La Paz)	ZOBO
ZLV	Zuidlaarderveen	
ZLV1	Zuidlaarderveen	
ZLV2	Zuidlaarderveen	
ZLV3	Zuidlaarderveen	
ZLV4	Zuidlaarderveen	
ZMN	Zimniki	
ZMP	Zamboanga	
ZMPH	Zamboanga City	
ZNGN	Zangian	
ZNH	Zanoah	
ZNJK	Zanja@18n	
ZNM	Zenema	
ZNPU	Zion National Park	
ZNT	Zur Nathan	
ZOBO	Zongo (La Paz)	
ZOBR	Brasov	
ZOFR	Zofira	
ZOMB	Zomba	
ZON	Zonda	
ZONE	Zone	
ZOU	Zoufplan	
ZOVE	Zovencedo	
ZOX	Ground Zero	GZN
ZPLA	Ao Xicun	
ZPXH	Xianghu	
ZQRN	Zuqar Island	
ZRB	Zarabog	
ZRD	Zardab	
ZRDN	Zarand Kerman	
ZRH	Zaryechye, Baikal	
ZRHB	Zarechye	
ZRN4	Zerenda array site	
ZRN5	Zerenda array site	
ZRN6	Zerenda array site	
ZRN7	Zerenda array site	
ZRN8	Zerenda array site	
ZRN9	Zerenda array site	
ZRNK	Zerenda	
ZRO	Akutan Zero	
ZSC	Sheshan	
ZSC*	Sheshan	
ZSH	Tsaishi	
ZSN	Zaisan	
ZSP	San Pablo Dam	
ZST	Bratislava	
ZTZ	Tsit'eli Tsqaro	
ZUG	Zugdidi	
ZUGS	Zugspitze, Schneeferner	
ZUL	Zurich-Lageren	
ZUMB	Zumba	
ZUQR	Zugar Island	
ZUR	Degenried	
ZUVM	ZUMPANGO	
ZVC	Zvikov	
ZWE1	Zweins	
ZWE2	Zweins	
ZWE3	Zweins	
ZWE4	Zweins	
ZWI	Zwiefalten, Hayingen-Wimsen	
ZYBG	Zeytinbag	
ZYR	Zyryanka	
ZZA	Chiapas	
ZZJH	Jiuhuzhen	
ZZT	Zu Zu	

SEISMOLOGICAL OBSERVATORIES

IN ORDER OF GEOGRAPHICAL ZONE

AFRICA

Algeria

EADEB	Ain Deheb	
CJSR	Ain Djasser	
CAEH	'Ain El Ouahch	
AFRS	Ain Fares	
EANR	'Ain N'Sour	
EASA	Ain Sidi Ali	
CASM	Ain Smara	
CAZD	Ain Tagrout	
AKF	Akfadou	
MOLA	ALG	
ABA	Alger-Bouzareah	
ALG	Algiers University	
EARB	Arib	
CBBAR	Babar	
BAB	Beni-Abbes	
OBBL	Beni Bahdel	
EBNH	Beni Haoua	
CBHR	Beni Haroun dam	
EBNR	Beni Rached	
CBOS	Bilal Ibnou Rabah	
OBHAM	Bir El Hammam	
ABRIN	Birine	
CBST	Bordj Sabath	
CBND	Bou Andas	
EBGR	Bougara	
CBOGS	Bougous	
ODJA	Bouhanifia	
ABMS	Boumerdes	
ACHR	Chrea	
CNS	Constantine	
ESS	CRAAG	
ADCK	Dar Chioukh	
EDDR	Deurdeur	
ABSA	Djebel Ababsia	
CABS	Djebel Ababsia	ABSA
OJBR	Djebel Berber	
DFRA	Djebel Bou Affroun	
EBHM	Djebel Bou Ahmed	
OBLS	Djebel Bou Ietas	
EBOM	Djebel Bou Maad	
EBYL	Djebel Bou Yalou	
ADJB	Djebel Djouab	
OJGS	Djebel Guires	
OKGL	Djebel Kef Guellal	
AKET	Djebel Ketaf	
OKJL	Djebel Kodjel	
EMHD	Djebel Mahouada	
CMAH	Djebel Manchoura	
OMID	Djebel Midouna	
ESAD	Djebel Saadia	
ETHB	Djebel Tachoubennt	
ETAN	Djebel Tanoua	
ATAF	Djebel Tarf	
CTEI	Djebel Teiouait	
OTSS	Djebel Tessala	
EHRZ	Djelida	
OFRG	Douar Fergoug	
CDCN	Doucen	
ADOR	Douera	
ODZI	Dziouia	
ECHF	Ech Chlef	
ECHA	Ech Chlef	
CKTS	El Kantara	
AKED	El Kharrouba	
TAM2	Geoscope - G, TAM	
CGUE	Guelma	CGMA
CGMA	Guelma	
IAA	In Amguel	
AKAY	Kef Ayad	
CKHR	Kef el Ahmar	
CKFL	Kef-Lekhel	
AMDA	Medea	
MEB	Medea	
CMER	Merouana	
OMET	Metahra	
AMRH	Mont Rhoder	
CNGR	Negrine	
USTO	Oran	
COAT	Oued Athmania	
OFD	Oued Fodda	
EOFD	Oued Fodda	
EKMS	Oued Kramis	
ABSD	Ouled Sidi Brahim	
OLHC	Oulhaca	
CRHA	Rehia	
RLA	Relizane	
REL	Relizane	
SET	Setif	
OSBL	Sidi Abdelli	
ABKD	Sidi Amar	
AFDJ	Sidi Ladjel	
ESMB	Sidi M'hamed Benaouda	
CSGS	Sigus	
SKDA	Skikda	
ADJF	Tadmit	
ATKB	Taksebt	
TAM	Tamanrasset	
CTCHA	Tamokra	
ETRT	Tiaret	
ATKJ	Tikjda	
CTGD	Timgad	
ATIP	Tipaza	
ATPZ	Tipaza	
OTLM	Tlemcen	
TEC	Tlemcen	
EZEK	Zmalet El Emir Abdelkader	

Angola

DUNDO	Dundo
DUN	Dundo
KUITO	Kuito, Bie
LUA	Luanda
LUBAN	Lubango
LUENA	Luena
PORTQ	Porto Quipiri, Bengo
SDB	Sa da Bandeira

Botswana

UBOT	Bothatogo
BTLPN	BTLPN
CKGRV	CKGRV
GRTLG	Ghanzi
GMARE	Gumare
KGCAE	Kacgae
KSANE	Kasane
KDWAN	Kaudwane
KBH1	Kgwebe Hills
XAUDM	Khaudum
KHWEE	KHWEE
KOOLE	Kule
LPHEP	Lephephe
LBTB	Lobatse
LKGWB	Lokgwabe
MAKGR	Makgori
MWG1	Mawana Gate
MREMI	Moremi
MTP1	Motopi
NE201	NE201
NE202	NE202
NE203	NE203
NE204	NE204
NE205	NE205
NE206	NE206
NE207	NE207
NE208	NE208
NE209	NE209
NE210	NE210
NE211	NE211
NE212	NE212
NE213	NE213
NE214	NE214
NE215	NE215
NE216	NE216
NE217	NE217
NE218	NE218
NE219	NE219
NE220	NE220
NE221	NE221
ORC1	Okavango Research Center
PHPEN	Phepeng
PHDHD	Phuduhudu
QNG1	Qangwa
QNGWA	Qangwa
SVT1	Savuti
SKOMA	Sekoma
SLIND	Selinda
SOOWA	Sowa
BROLN	Tlhalogang
TOT1	Toteng
TSD1	Tsodilo

Burundi

BUJA	Bujumbura/Burundi

Cameroon

ACM11	Abong Mbang, CM11
EKNA	AfricaArray - AF
YNDE	AfricaArray - AF
ACM06	Ambam, CM06
BNC	Bambui
ACM25	Banyo, CM25
ACM15	Bare, CM15
BTE	Batoke
ACM14	Batouri, CM14
ACM16	Bfoussam II, CM16
BKO	Bokosso
ACM20	Bu, CM20
ACM01	Campo, CM01
ACM32	Dougou, CM32
EDA	Edea
EKC	Ekona
ACM30	Figuil, CM30
FBT	Foumbot
KMC	Kompina
ACM05	Kribi, CM05
KBC	Kumba
ACM13	Kumba, CM13
ACM19	Magba, CM19
ACM18	Mamfe, CM18
ACM02	Meyiboto, CM02
MOC	Mount Cameroon
MOKC	Mount Cameroon
ACM08	Ndonga, CM08
ACM10	Ngambe, CM10
ACM04	Ngan, CM04
ACM22	Ngaoundal, CM22
ACM26	Ngaoundere, CM26
NGC	Ngoundere
ACM12	Ntui, CM12
ACM23	Ntumbaw, CM23
ACM24	Ntumbaw, CM24
ACM28	Poli, CM28
ACM21	Tibati, CM21
ACM27	Tignere, CM27
ACM31	Yagoua, CM31
YND	Yaounde
ACM29	Yelwa, CM29
ACM03	Yokadouma, CM03
ACM17	Yoko, CM17

Cape Province

MATJ	Matjiesfontein
MERW	Merweville

Cape Verde Islands

CVBV5	Boa Vista, Curral Velho
CVBV6	Boa Vista, Fundo de Figueiras
CVBV2	Boa Vista, Rabil
CVBV1	Boa Vista, Sal Rei
CVBV4	Boa Vista, Sao Jorge
BRBL	Brava
BRCV	Brava
BRBZ	Brava
BCCH	Brava--Cachaco
CVBR2	Brava, Campo Baixo
CVBR1	Brava, Lem
SLES	Espargos
FGAF	Fogo
FGMV	Fogo
FGMB	Fogo
FGPP	Fogo
FGTT	Fogo
FGMA	Fogo
CVFG4	Fogo, Cova Figueira
CVFG3	Fogo, Fajazinha
CVFG2	Fogo, Galinheiro
CVFG5	Fogo, Monte Grande
FPPC	Fogo--Pe de Pico
CVFG1	Fogo, Sao Filipe
SVMA	Madeiral
I11CV	MAIO ISLAND INFRASONIC ARRAY REFERENCE POINT
CVMA2	Malo, Barreiro
CVMA1	Malo, Calheta
CVMA4	Malo, Cascabulho
CVMA3	Malo Ribeira D. Joao
CVSL2	Sal, Murdeira
CVSL4	Sal, Palmeira
CVSL3	Sal, Pedra Lume
CVSL1	Sal, Santa Maria
STAG	Santiago
CVST5	Santiago, Achada Fazenda
CVST3	Santiago, Assomada
SACV	Santiago Island
CVST4	Santiago, Ribeira da Prata
CVST1	Santiago, Ribeirao Chiqueiro
CVST2	Santiago, Sao Jorge dos Orgaos
SAAJ	Santo Ant£o
SATA	Santo Ant£o
SACO	Santo Ant£o
CVSA3	Santo Antao, Boca de Curral
CVSA5	Santo Antao, Leiro
CVSA1	Santo Antao, Paul
CVSA2	Santo Antao, Ponta do Sol
CVSA4	Santo Antao, Ribeira da Cruz
SAAO	Santo Ant£o, SAMO
CVSA6	Santo Antao, Tarrafal de Monte Trigo
CVSN1	Sao Nicolau, Faja de Baixo
CVSN4	Sao Nicolau, Juncalinho
CVSN2	Sao Nicolau, Palhal
CVSN3	Sao Nicolau, Ribeira Brava
CVSV1	Sao Vicente, Baia das Gatas
CVSV4	Sao Vicente, Calhau
CVSV2	Sao Vicente, Lazareto
CVSV3	Sao Vicente, Sao Pedro

Central African Republic

BNG	Bangui
BCAO	Bangui
BGCA	Bogoin

Chad

ABC	Abeche

Democratic Republic of the Congo

PWET	AfricaArray - AF
LBB2	AfricaArray - AF, LBB
BIN	Binsa
BOBN	Bobandana
BULE	Bulengo
BTC	Butembo
DCC	Delcommune
ESCO	ESCO Site
GOM	Goma
GUB	Guba
IDJ	Idjwi
KALEH	Kalehe
KTL	Katale
KBTI	Kibati
KBBA	Kibumba
KTSH	Kitshanga
KNN	Kunene
KNN1	Kunene
LMA	Le Marinel
LBGA	Luboga
LBC	Lubudi
LBB	Lubumbashi
ELI	Lubumbashi
LWI	Lwiro
MLN	Mulungwishi
MUNI	Munigi
MUSK	Mushaki
NYAB	Nyabibwe
NYI	Nyiragongo Volcano Summit
RUM	Rumangabo
RGB	Rumangabo
RSY	Rusayo
SAKE	Sake
TGO	Tongo
UVI	Uvira
NYAM	Volcan Nyalulag

Djibouti

ABLV	Afar, BLV
ABOY	Afar, BOY
GBRA	Afar, GBR
AHAM	Afar, HAM
AKIR	Afar, KIR
MCAA	Afar, MCA
MCSA	Afar, MCS
AMOY	Afar, MOY
ART	Arta
AGD	Arta Grotte
ARO	Arta Observatory
ATD	Arta Tunnel
ATA	Atar
BLSD	Baie du Lac Sali
DAF	Dafare
DAY	Day
TKBA	Djibouti, TKB
FIK	Fieale Koma
GBR	Grand-Bara
HLD	Halaksitan
I19DJ	I19DJ
KSU	Koussour
KSDD	Koussour
LARD	Lac Aux requins
LDLD	Lac de Lave
LDL	LDL
MAOD	Malaho
MKL	Maskali
MCAD	Moucha
BEAD	Nord Galaele Koma
OBO	Obock
ODK	Oud Koma
SGH	Sud-Ghoubbet
TDJ	Tadjoura
TDD	Tadjoura Ara

Egypt

NADB	Abo Dabab
AAHD	Abu Hadid
HRDS	Abu Rudays
ASL	Abu Simbel
ABUS	Abu Simbel
AADN	Adndan
AYT	Al `Ayyat
FYM	Al Fayyum
HHRG	Al Ghardaqah
AKRG	Al Kharijah
AANS	Anshas
MANS	Anshas
HSAF	As Saff
ASW	Aswan
NBNS	Bani Suef
HBNS	Bani Suef
HBST	Basata
BRNS	Bernies
HSHL	Bi'r Shalatayn
HBRG	Burj al `Arab
DABA	Dabaa
DABAA	Dabaa2
HDK1	Dakhla
HDHB	Dhahab
AUT	El `Aiyat
TAMRE	El Minia
FYD	Fayid
RYAN	Fayoum
ZEIT	Gabal Elzet
ATOT	Gabel Atot
AGAL	Gebel Alisa
AGMR	Gebel Marawa
AGRW	Gebel Rewraw
GRB	Gharib
HHAG	Hagoal
HAGS	Hagol
HAMM	Hamman Mousa
HLW	Helwan
HEDF	Idfu
KHB	Jabal al Khashab
GTR	Jabal at Tayr
HKAT	Jabal Katrina
HMSM	Jabal Masmas
GLL	Jalalah
KASR	Kasr
HKFR	Khafra
AKRL	Khor El Raml
AKSR	Khor Sakr
KOT	Kottamia
NMAN	Kulet Umm Tiheiwat
AKUR	Kurkur
MABD	Mabed
AMAG	Maghara
AMAN	Manam
MMT	Marsa Matruh
MATC	Matruh
HMAT	Matruh
HMYD	Mayadein
MAZR	Mazracia
EMRS	Mersa Alam
NAHD	NAHD
HNKL	Nakhl
HNAT	Natroun
ANAL	New Alisa
NNMR	New North Marawa
NSKD	New Sinn el Kaddab
NGAL	NGAL
NGMR	NGMR
NGWR	NGWR
NNAL	NNAL
ANMR	North Marawa
NUB	Nuweibaa
SLUM	Salum
SQR	Saqqara
SHRM	Sharm el Sheik
SH2	Sharm el Sheik
ASKD	Sinn el Kaddab
SUZ	Suez
TR1	Tor 1
TR2	Tor 2
ASHG	Umm Shaghir
HDK2	Wahat Dakhilah
HFRF	Wahat Farafirah
APRS	Wahet Paris
AWAL	West Alisa
AWKL	West Kalabsha
ZAF	Zafarana
ZNM	Zenema
RSH	
HCAT	
QEN	
HADB	
SWA2	
SWA1	
HQSR	
HSFG	
ASUT	
AWBH	

Equatorial Guinea

Fernando Poo

MFP	Moca

Eritrea

ABSE	Abaselama
ASME	Asmera
ASSBE	Assab
NAB1	NAB1
NAB2	NAB2
NAB3	NAB3
NAB4	NAB4
NAB5	NAB5
NAB8	NAB8
SHBE	SHBE

Ethiopia

ABAE	Abala
ADYE	Abi Ad
ABMD	Abulta/Almeha
ADTE	Adait
AAE	Adis Abeba
ALEE	Ado Ale volcano

Code	*Station Name*	*Other*
TRUE2	AFAR09-11, Teru, TRUE	
IGRE	AFAR0911 - ZR	
LULE	AFAR0911 - ZR	
KOZE	AFAR0911 - ZR	
LAVE	AFAR0911 - ZR	
FURA	Afar, FUR	
AFME	Afdera	
AAUS	AfricaArray - AF	
ANKE2	AfricaArray - AF, ANKE	
AKEE	Akesta	
ALME	Alemaya	
AFDE	Aroley	
ASYE	Asayita	
ASOS	Asosa University, Asosa	
AWSE	Awash	
AWEE	Awra	
AWRE	AWRE	
BARE	Barantu	
BTIE	Bat	
ABERE	Bergile	
HALE	Berhale	
BOBE	Biye Kabobe	
BOVE	Boina - YZ	
BOSE	Boina - YZ	
BOOE	Boina - YZ	
ACHIE	Chifra	
MGNE	Clinic, Gonder/Metema	
SILA	Clinic, Silare	
WADE	Clinic, Wadera	
SULE	Dar Sule	
YAYE	Debre Tabor	
DESE	Dese	
DICE	Di Chot	
DIGE	Digdiga	
DILA	Dilla	
GOREE	District Admin Building, Gore	
E1306	EAGLE 6TD - XM, 1306	
LYDE	Elidar	
ELLE	Elwoh	
ERTE	Erta Ale	
BORE	Ethiopia-Afar Geoscientific Lithospheric Experiment	
AWAE	Ethiopia-Afar Geoscientific Lithospheric Experiment	
ASEE	Ethiopia-Afar Geoscientific Lithospheric Experiment	
ANKE	Ethiopia-Afar Geoscientific Lithospheric Experiment	
ADEE	Ethiopia-Afar Geoscientific Lithospheric Experiment	
ADUE	Ethiopia-Afar Geoscientific Lithospheric Experiment	
AMME	Ethiopia-Afar Geoscientific Lithospheric Experiment	
BEDE	Ethiopia-Afar Geoscientific Lithospheric Experiment	
CHAE	Ethiopia-Afar Geoscientific Lithospheric Experiment	
DIKE	Ethiopia-Afar Geoscientific Lithospheric Experiment	
DONE	Ethiopia-Afar Geoscientific Lithospheric Experiment	
DZEE	Ethiopia-Afar Geoscientific Lithospheric Experiment	
GTFE	Ethiopia-Afar Geoscientific Lithospheric Experiment	
INEE	Ethiopia-Afar Geoscientific Lithospheric Experiment	
KOTE	Ethiopia-Afar Geoscientific Lithospheric Experiment	
LEME	Ethiopia-Afar Geoscientific Lithospheric Experiment	
MECE	Ethiopia-Afar Geoscientific Lithospheric Experiment	
MEKE	Ethiopia-Afar Geoscientific Lithospheric Experiment	
MELE	Ethiopia-Afar Geoscientific Lithospheric Experiment	
MIEE	Ethiopia-Afar Geoscientific Lithospheric Experiment	
SENE	Ethiopia-Afar Geoscientific Lithospheric Experiment	
SHEE	Ethiopia-Afar Geoscientific Lithospheric Experiment	
AREEX	Ethiopia-Afar Geoscientific Lithospheric Experiment	
NURE	Ethiopia-Afar Geoscientific Lithospheric Experiment	
WOLE	Ethiopia-Afar Geoscientific Lithospheric Experiment	
E1001	Ethiopia-Afar Geoscientific Lithospheric Experiment E1001	
E1004	Ethiopia-Afar Geoscientific Lithospheric Experiment E1004	
E1008	Ethiopia-Afar Geoscientific Lithospheric Experiment E1008	
E1011	Ethiopia-Afar Geoscientific Lithospheric Experiment E1011	
E1012	Ethiopia-Afar Geoscientific Lithospheric Experiment E1012	
E1014	Ethiopia-Afar Geoscientific Lithospheric Experiment E1014	
E1016	Ethiopia-Afar Geoscientific Lithospheric Experiment E1016	
E1017	Ethiopia-Afar Geoscientific Lithospheric Experiment E1017	
E1018	Ethiopia-Afar Geoscientific Lithospheric Experiment E1018	
E1019	Ethiopia-Afar Geoscientific Lithospheric Experiment E1019	
E1020	Ethiopia-Afar Geoscientific Lithospheric Experiment E1020	
E1021	Ethiopia-Afar Geoscientific Lithospheric Experiment E1021	
E1022	Ethiopia-Afar Geoscientific Lithospheric Experiment E1022	
E1023	Ethiopia-Afar Geoscientific Lithospheric Experiment E1023	
E1024	Ethiopia-Afar Geoscientific Lithospheric Experiment E1024	
E1026	Ethiopia-Afar Geoscientific Lithospheric Experiment E1026	
E1027	Ethiopia-Afar Geoscientific Lithospheric Experiment E1027	
E1028	Ethiopia-Afar Geoscientific Lithospheric Experiment E1028	
E1030	Ethiopia-Afar Geoscientific Lithospheric Experiment E1030	
E1037	Ethiopia-Afar Geoscientific Lithospheric Experiment E1037	
E1042	Ethiopia-Afar Geoscientific Lithospheric Experiment E1042	
E1046	Ethiopia-Afar Geoscientific Lithospheric Experiment E1046	
E1054	Ethiopia-Afar Geoscientific Lithospheric Experiment E1054	
E1058	Ethiopia-Afar Geoscientific Lithospheric Experiment E1058	
E1062	Ethiopia-Afar Geoscientific Lithospheric Experiment E1062	
E1069	Ethiopia-Afar Geoscientific Lithospheric Experiment E1069	
E1077	Ethiopia-Afar Geoscientific Lithospheric Experiment E1077	
E1078	Ethiopia-Afar Geoscientific Lithospheric Experiment E1078	
E1079	Ethiopia-Afar Geoscientific Lithospheric Experiment E1079	
E1081	Ethiopia-Afar Geoscientific Lithospheric Experiment E1081	
E1085	Ethiopia-Afar Geoscientific Lithospheric Experiment E1085	
E1089	Ethiopia-Afar Geoscientific Lithospheric Experiment E1089	
E1094	Ethiopia-Afar Geoscientific Lithospheric Experiment E1094	
E1097	Ethiopia-Afar Geoscientific Lithospheric Experiment E1097	
E1101	Ethiopia-Afar Geoscientific Lithospheric Experiment E1101	
E1105	Ethiopia-Afar Geoscientific Lithospheric Experiment E1105	
E1110	Ethiopia-Afar Geoscientific Lithospheric Experiment E1110	
E1112	Ethiopia-Afar Geoscientific Lithospheric Experiment E1112	
E1118	Ethiopia-Afar Geoscientific Lithospheric Experiment E1118	
E1120	Ethiopia-Afar Geoscientific Lithospheric Experiment E1120	
E1121	Ethiopia-Afar Geoscientific Lithospheric Experiment E1121	
E1122	Ethiopia-Afar Geoscientific Lithospheric Experiment E1122	
E1123	Ethiopia-Afar Geoscientific Lithospheric Experiment E1123	
E1124	Ethiopia-Afar Geoscientific Lithospheric Experiment E1124	
E1125	Ethiopia-Afar Geoscientific Lithospheric Experiment E1125	
E1126	Ethiopia-Afar Geoscientific Lithospheric Experiment E1126	
E1130	Ethiopia-Afar Geoscientific Lithospheric Experiment E1130	
E1131	Ethiopia-Afar Geoscientific Lithospheric Experiment E1131	
E1132	Ethiopia-Afar Geoscientific Lithospheric Experiment E1132	
E1138	Ethiopia-Afar Geoscientific Lithospheric Experiment E1138	
E1141	Ethiopia-Afar Geoscientific Lithospheric Experiment E1141	
E1146	Ethiopia-Afar Geoscientific Lithospheric Experiment E1146	
E1151	Ethiopia-Afar Geoscientific Lithospheric Experiment E1151	
E1155	Ethiopia-Afar Geoscientific Lithospheric Experiment E1155	
E1157	Ethiopia-Afar Geoscientific Lithospheric Experiment E1157	
E1158	Ethiopia-Afar Geoscientific Lithospheric Experiment E1158	
E1163	Ethiopia-Afar Geoscientific Lithospheric Experiment E1163	
E1171	Ethiopia-Afar Geoscientific Lithospheric Experiment E1171	
E1172	Ethiopia-Afar Geoscientific Lithospheric Experiment E1172	
E1176	Ethiopia-Afar Geoscientific Lithospheric Experiment E1176	
E1177	Ethiopia-Afar Geoscientific Lithospheric Experiment E1177	
E1178	Ethiopia-Afar Geoscientific Lithospheric Experiment E1178	
E1179	Ethiopia-Afar Geoscientific Lithospheric Experiment E1179	
E1180	Ethiopia-Afar Geoscientific Lithospheric Experiment E1180	
E1181	Ethiopia-Afar Geoscientific Lithospheric Experiment E1181	
E1182	Ethiopia-Afar Geoscientific Lithospheric Experiment E1182	
E1183	Ethiopia-Afar Geoscientific Lithospheric Experiment E1183	
E1186	Ethiopia-Afar Geoscientific Lithospheric Experiment E1186	
E1188	Ethiopia-Afar Geoscientific Lithospheric Experiment E1188	
E1190	Ethiopia-Afar Geoscientific Lithospheric Experiment E1190	
E1191	Ethiopia-Afar Geoscientific Lithospheric Experiment E1191	
E1195	Ethiopia-Afar Geoscientific Lithospheric Experiment E1195	
E1196	Ethiopia-Afar Geoscientific Lithospheric Experiment E1196	
E1197	Ethiopia-Afar Geoscientific Lithospheric Experiment E1197	
E1199	Ethiopia-Afar Geoscientific Lithospheric Experiment E1199	
E1201	Ethiopia-Afar Geoscientific Lithospheric Experiment E1201	
E1204	Ethiopia-Afar Geoscientific Lithospheric Experiment E1204	
E1209	Ethiopia-Afar Geoscientific Lithospheric Experiment E1209	
E1213	Ethiopia-Afar Geoscientific Lithospheric Experiment E1213	
E1215	Ethiopia-Afar Geoscientific Lithospheric Experiment E1215	
E1216	Ethiopia-Afar Geoscientific Lithospheric Experiment E1216	
E1217	Ethiopia-Afar Geoscientific Lithospheric Experiment E1217	
E1219	Ethiopia-Afar Geoscientific Lithospheric Experiment E1219	
E1226	Ethiopia-Afar Geoscientific Lithospheric Experiment E1226	
E1230	Ethiopia-Afar Geoscientific Lithospheric Experiment E1230	
E1231	Ethiopia-Afar Geoscientific Lithospheric Experiment E1231	
E1232	Ethiopia-Afar Geoscientific Lithospheric Experiment E1232	
E1233	Ethiopia-Afar Geoscientific Lithospheric Experiment E1233	
E1235	Ethiopia-Afar Geoscientific Lithospheric Experiment E1235	
E1238	Ethiopia-Afar Geoscientific Lithospheric Experiment E1238	
E1242	Ethiopia-Afar Geoscientific Lithospheric Experiment E1242	
E1246	Ethiopia-Afar Geoscientific Lithospheric Experiment E1246	
E1252	Ethiopia-Afar Geoscientific Lithospheric Experiment E1252	
E1258	Ethiopia-Afar Geoscientific Lithospheric Experiment E1258	
E1262	Ethiopia-Afar Geoscientific Lithospheric Experiment E1262	
E1266	Ethiopia-Afar Geoscientific Lithospheric Experiment E1266	
E1270	Ethiopia-Afar Geoscientific Lithospheric Experiment E1270	
E1274	Ethiopia-Afar Geoscientific Lithospheric Experiment E1274	
E1278	Ethiopia-Afar Geoscientific Lithospheric Experiment E1278	
E1281	Ethiopia-Afar Geoscientific Lithospheric Experiment E1281	
E1285	Ethiopia-Afar Geoscientific Lithospheric Experiment E1285	
E1289	Ethiopia-Afar Geoscientific	

Lithospheric Experiment E2431
E2432 Ethiopia-Afar Geoscientific Lithospheric Experiment E2432
E2433 Ethiopia-Afar Geoscientific Lithospheric Experiment E2433
E2434 Ethiopia-Afar Geoscientific Lithospheric Experiment E2434
E2437 Ethiopia-Afar Geoscientific Lithospheric Experiment E2437
E2441 Ethiopia-Afar Geoscientific Lithospheric Experiment E2441
E2449 Ethiopia-Afar Geoscientific Lithospheric Experiment E2449
E2451 Ethiopia-Afar Geoscientific Lithospheric Experiment E2451
E31 Ethiopia-Afar Geoscientific Lithospheric Experiment E31
E3105 Ethiopia-Afar Geoscientific Lithospheric Experiment E3105
E3107 Ethiopia-Afar Geoscientific Lithospheric Experiment E3107
E3110 Ethiopia-Afar Geoscientific Lithospheric Experiment E3110
E3114 Ethiopia-Afar Geoscientific Lithospheric Experiment E3114
E3116 Ethiopia-Afar Geoscientific Lithospheric Experiment E3116
E3120 Ethiopia-Afar Geoscientific Lithospheric Experiment E3120
E32 Ethiopia-Afar Geoscientific Lithospheric Experiment E32
E3205 Ethiopia-Afar Geoscientific Lithospheric Experiment E3205
E3207 Ethiopia-Afar Geoscientific Lithospheric Experiment E3207
E3209 Ethiopia-Afar Geoscientific Lithospheric Experiment E3209
E3212 Ethiopia-Afar Geoscientific Lithospheric Experiment E3212
E3213 Ethiopia-Afar Geoscientific Lithospheric Experiment E3213
E3214 Ethiopia-Afar Geoscientific Lithospheric Experiment E3214
E3218 Ethiopia-Afar Geoscientific Lithospheric Experiment E3218
E3221 Ethiopia-Afar Geoscientific Lithospheric Experiment E3221
E3224 Ethiopia-Afar Geoscientific Lithospheric Experiment E3224
E3225 Ethiopia-Afar Geoscientific Lithospheric Experiment E3225
E3228 Ethiopia-Afar Geoscientific Lithospheric Experiment E3228
E33 Ethiopia-Afar Geoscientific Lithospheric Experiment E33
E3300 Ethiopia-Afar Geoscientific Lithospheric Experiment E3300
E3303 Ethiopia-Afar Geoscientific Lithospheric Experiment E3303
E3304 Ethiopia-Afar Geoscientific Lithospheric Experiment E3304
E3323 Ethiopia-Afar Geoscientific Lithospheric Experiment E3323
E34 Ethiopia-Afar Geoscientific Lithospheric Experiment E34
E3404 Ethiopia-Afar Geoscientific Lithospheric Experiment E3404
E3414 Ethiopia-Afar Geoscientific Lithospheric Experiment E3414
E35 Ethiopia-Afar Geoscientific Lithospheric Experiment E35
E3518 Ethiopia-Afar Geoscientific Lithospheric Experiment E3518
E3520 Ethiopia-Afar Geoscientific Lithospheric Experiment E3520
E3521 Ethiopia-Afar Geoscientific Lithospheric Experiment E3521
E3523 Ethiopia-Afar Geoscientific Lithospheric Experiment E3523
E3524 Ethiopia-Afar Geoscientific Lithospheric Experiment E3524
E3525 Ethiopia-Afar Geoscientific Lithospheric Experiment E3525
E3527 Ethiopia-Afar Geoscientific Lithospheric Experiment E3527
E3528 Ethiopia-Afar Geoscientific Lithospheric Experiment E3528
E3529 Ethiopia-Afar Geoscientific Lithospheric Experiment E3529
E36 Ethiopia-Afar Geoscientific Lithospheric Experiment E36
E3603 Ethiopia-Afar Geoscientific Lithospheric Experiment E3603
E3604 Ethiopia-Afar Geoscientific Lithospheric Experiment E3604
E3605 Ethiopia-Afar Geoscientific Lithospheric Experiment E3605
E3606 Ethiopia-Afar Geoscientific Lithospheric Experiment E3606
E3609 Ethiopia-Afar Geoscientific Lithospheric Experiment E3609
E3621 Ethiopia-Afar Geoscientific Lithospheric Experiment E3621
E37 Ethiopia-Afar Geoscientific Lithospheric Experiment E37
E3701 Ethiopia-Afar Geoscientific Lithospheric Experiment E3701
E3702 Ethiopia-Afar Geoscientific Lithospheric Experiment E3702
E3704 Ethiopia-Afar Geoscientific Lithospheric Experiment E3704
E3706 Ethiopia-Afar Geoscientific Lithospheric Experiment E3706
E3713 Ethiopia-Afar Geoscientific Lithospheric Experiment E3713
E3714 Ethiopia-Afar Geoscientific Lithospheric Experiment E3714
E3715 Ethiopia-Afar Geoscientific Lithospheric Experiment E3715
E3726 Ethiopia-Afar Geoscientific Lithospheric Experiment E3726
E3729 Ethiopia-Afar Geoscientific Lithospheric Experiment E3729
E3730 Ethiopia-Afar Geoscientific Lithospheric Experiment E3730
E3738 Ethiopia-Afar Geoscientific Lithospheric Experiment E3738
E3742 Ethiopia-Afar Geoscientific Lithospheric Experiment E3742
E3743 Ethiopia-Afar Geoscientific Lithospheric Experiment E3743
E39 Ethiopia-Afar Geoscientific Lithospheric Experiment E39
E40 Ethiopia-Afar Geoscientific Lithospheric Experiment E40
E41 Ethiopia-Afar Geoscientific Lithospheric Experiment E41
E42 Ethiopia-Afar Geoscientific Lithospheric Experiment E42
E43 Ethiopia-Afar Geoscientific Lithospheric Experiment E43
E44 Ethiopia-Afar Geoscientific Lithospheric Experiment E44
E45 Ethiopia-Afar Geoscientific Lithospheric Experiment E45
E46 Ethiopia-Afar Geoscientific Lithospheric Experiment E46
E47 Ethiopia-Afar Geoscientific Lithospheric Experiment E47
E48 Ethiopia-Afar Geoscientific Lithospheric Experiment E48
E49 Ethiopia-Afar Geoscientific Lithospheric Experiment E49
E50 Ethiopia-Afar Geoscientific Lithospheric Experiment E50
E51 Ethiopia-Afar Geoscientific Lithospheric Experiment E51
E52 Ethiopia-Afar Geoscientific Lithospheric Experiment E52
E53 Ethiopia-Afar Geoscientific Lithospheric Experiment E53
E54 Ethiopia-Afar Geoscientific Lithospheric Experiment E54
E55 Ethiopia-Afar Geoscientific Lithospheric Experiment E55
E56 Ethiopia-Afar Geoscientific Lithospheric Experiment E56
E57 Ethiopia-Afar Geoscientific Lithospheric Experiment E57
E58 Ethiopia-Afar Geoscientific Lithospheric Experiment E58
E59 Ethiopia-Afar Geoscientific Lithospheric Experiment E59
E60 Ethiopia-Afar Geoscientific Lithospheric Experiment E60
E61 Ethiopia-Afar Geoscientific Lithospheric Experiment E61
E63 Ethiopia-Afar Geoscientific Lithospheric Experiment E63
E64 Ethiopia-Afar Geoscientific Lithospheric Experiment E64
E66 Ethiopia-Afar Geoscientific Lithospheric Experiment E66
E67 Ethiopia-Afar Geoscientific Lithospheric Experiment E67
E68 Ethiopia-Afar Geoscientific Lithospheric Experiment E68
E69 Ethiopia-Afar Geoscientific Lithospheric Experiment E69
E70 Ethiopia-Afar Geoscientific Lithospheric Experiment E70
E71 Ethiopia-Afar Geoscientific Lithospheric Experiment E71
E72 Ethiopia-Afar Geoscientific Lithospheric Experiment E72
E73 Ethiopia-Afar Geoscientific Lithospheric Experiment E73
E74 Ethiopia-Afar Geoscientific Lithospheric Experiment E74
E75 Ethiopia-Afar Geoscientific Lithospheric Experiment E75
E76 Ethiopia-Afar Geoscientific Lithospheric Experiment E76
E77 Ethiopia-Afar Geoscientific Lithospheric Experiment E77
E78 Ethiopia-Afar Geoscientific Lithospheric Experiment E78
E79 Ethiopia-Afar Geoscientific Lithospheric Experiment E79
E80 Ethiopia-Afar Geoscientific Lithospheric Experiment E80
E82 Ethiopia-Afar Geoscientific Lithospheric Experiment E82
E83 Ethiopia-Afar Geoscientific Lithospheric Experiment E83
E84 Ethiopia-Afar Geoscientific Lithospheric Experiment E84
E85 Ethiopia-Afar Geoscientific Lithospheric Experiment E85
GEWE Ethiopia-Afar Geoscientific Lithospheric Experiment, Gewan
BELAX Ethiopian Broadband Seismic Experiment
KARAX Ethiopian Broadband Seismic Experiment
HIRN Ethiopian Broadband Seismic Experiment
NEKE Ethiopian Broadband Seismic Experiment
HERO Ethiopian Broadband Seismic Experiment
WANE Ethiopian Broadband Seismic Experiment
DIYAX Ethiopian Broadband Seismic Experiment
TERC Ethiopian Broadband Seismic Experiment
JIMA Ethiopian Broadband Seismic Experiment
TEND Ethiopian Broadband Seismic Experiment
BIRH Ethiopian Broadband Seismic Experiment
GOBAX Ethiopian Broadband Seismic Experiment
NAZA Ethiopian Broadband Seismic Experiment
DELE Ethiopian Broadband Seismic Experiment
CHEF Ethiopian Broadband Seismic Experiment
HOSA Ethiopian Broadband Seismic Experiment
BUTA Ethiopian Broadband Seismic Experiment
DMRK Ethiopian Broadband Seismic Experiment
GUDE Ethiopian Broadband Seismic Experiment
ARBA Ethiopian Broadband Seismic Experiment
WELK Ethiopian Broadband Seismic Experiment
FICH Ethiopian Broadband Seismic Experiment
BAHI Ethiopian Broadband Seismic Experiment
BDAR Ethiopian Broadband Seismic Experiment
WASH Ethiopian Broadband Seismic Experiment
AWND Ethiopia, WND
AFINE Finto
FURI Furi
GASE Gashen
HYNE Hara
HARA HARA
AHARE Harses
DLMN Health center, Dolo Mena
GIDAE Health Center, Gidami
BAHR High School, Bahir Dar
DAQU High School, Debark
HDBU High School, Hidabu Tobi
MEND High School, Mendi
GINR Hospital, Ginir
NGLE Hospital, Negele
JAWI Jawi
KORE Kare Kore
KOBE Kobo Des
QATE Kobo Hara
LALE Lalibel
MAYE Mayche
SHAW Medical Clinic, Shawira
MEGE Megenta
MISE Meis
SEREE Military Camp, Saraba
MILE Mille
MUKA Police Camp, Mukachet
GUBA Police Station, Guba
GUBL Police Station, Gubleck
SHERE Police Station, Sherkole
RODE Road Camp
SEHE Saha

Code	Station Name	Other
CASAE	School, Casa de Jesus	
CHGE	School, Chagni	
TABO	School, Debre Tabor	
DEBR	School, Debre Zeif	
MELAE	School, Dubaba	
HARO	School, Haroo	
KIRE	School, Kiremu	
MDBA	School, Shinfa	
CHRH	School, W of Chirchemesc	
MERTO	Secondary School, Merto Lemorgan	
SEKE	Sekot	
SMRE	Semr	
SRDE	Serd	
ASILE	Silsa - SILE	
DAME	Tendaho Dam	
TERE	TERE	
TRUE	Teru	
GOND	University, Gondar	
WLDE	Waldi	
WNDE	Wendo Genet	
WUCE	Wuchale	
Gabon		
MSKU	Masuku	
Ghana		
ACRG	Accra	
ASHAI	AfricaArray - AF, SHAI	
AKGH	Akosombo	
AKOS	Akosombo Dam	
SHAI	Games and Wildlife Shai Hills	
HOGH	Ho	
KLEF	Klefe (Ho)	
KOGH	Koforidua	
KUKU	Kukurantumi	
KUK	Kukurantumi	
LGG	Legon	
LEGH	Legon	
MRON	Mrontuo Lake Bosomtwe	
SPG	Saltpond	
SHGH	Shai Hills	
TEGH	Tema	
WEGH	Weija	
WEIJ	Weija Dam	
WIGH	Winneba	
Guinea		
KING	Kindia	
LABG	Labe	
MAMG	Mamou	
Italy		
ALT11	ALTAVILLA IRPINA	
Ivory Coast		
DBIC	Dimbokro	
I17CI	DIMBOKRO INFRASONIC ARRAY REFERENCE POINT	
LKO	Korhogo	
KIC	Kosan Boka	
LIC	Lamto	
TIC	Toumodi	
DIC		
Kenya		
KEN1	Kenya Marble PS	
KIBK	Kibwezi	
KMBO	Kilima Mbogo	
LODK	Lodwar	
LL21	Loliondo SS	
MAGK	Magadi	
KEN2	Magadi Soda Vault	
LL22	Malambo SS	
MERK	Meru	
MILK	Milimani	
NAKO	Nairobi	NAI
NAI	Nairobi	
NBI	Nairobi	
I32KE	NAIROBI INFRASONIC ARRAY REFERENCE POINT	
KEN4	Ngurumani	
NYRK	Nyeri	
OLK	Olkaria	
OLWK	Olkaria West	
KEN3	Shompole Clinic	
Libya		
LJBD	Adjabya	
ALAS	Alassa	
MARJ	Al Marj	
GHAR	Gharyan	
LGHD	Ghdames	
LJFR	Jufra	
LKFR	Kufra	
LMSR	Misrath	
LUMB	Murzuk	
LSHF	Shwairf	
LSRT	Sirt	
LTBQ	Tobruq	
LTRP	Tripoli	
LUJL	Ujela	
LZLA	Zalla	
Madagascar		
OBY	Ambatonomby	
ATG	Ambohiby	
OPO	Ambohidratompo	
ABM	Ambohimiarambe	
ABPO	Ambohimpanom	
AVY	Angavokely	
I33MG	ANTANANARIVO INFRASONIC ARRAY REFERENCE POINT	
FRR	Firariana	
FIRM	Firavahana	
MDSM	Mandiavato	
FOMA	Nahampoana Res	
SKRH	Sakahara	
SBV	Sambava	
TAN	Tananarive	
VTY	Vatovaky	
VDA	Vodivohitra	
VOI	Vohitsoka	
Malawi		
MZM3	AfricaArray - AF, MZM	
BANG1	Bangula	
BOLE	Bolero	
CHEL	Chelinda	
CLK	Chileka	
CPMW	Chitipa	
ENUK	Enukweni	
KALO	Kalowe	
KAPK	Kapoka	
KAPOR	Kaporo	
KARM1	KARONGA	
LM103	Lake Malawi, 103B	
LM107	Lake Malawi, 107	
LM108	Lake Malawi, 108	
LM109	Lake Malawi, 109	
LM110	Lake Malawi, 110B	
LM111	Lake Malawi, 111	
LM112	Lake Malawi, 112	
LM113	Lake Malawi, 113	
LM114	Lake Malawi, 114	
LM115	Lake Malawi, 115	
LM116	Lake Malawi, 116	
LM117	Lake Malawi, 117	
LM118	Lake Malawi, 118B	
LM119	Lake Malawi, 119	
LM120	Lake Malawi, 120	
LM121	Lake Malawi, 121	
LM203	Lake Malawi, 203B	
LM206	Lake Malawi, 206B	
LM301	Lake Malawi, 301	
LM302	Lake Malawi, 302B	
LM303	Lake Malawi, 303	
LILM	Lilongwe	
LIVA	Livingstonia	
MALM	Malindi	
SCHM	Mlare	
MLOW	Mlowe	
MZM2	Mzuzu	
MZM	Mzuzu	
NENM1	Neno	
NGON	Ngonga	
NTHA	Nthalire	
SINGM	SINGM	
THAN	Thanula	
THAZ	Thazima	
VWZMW	Thunduwike	
WENY	Wenya	
ZOMB	Zomba	
Mali		
KOWA2	GSN - IU, KOWA	
KOWA	Kowa	
Morocco		
AFS	Agadir Fac de Sc.	
AOF	Agadir Oufela	
AIT	Ait Ouarda	
AKLM	AKL	
ANTZ	Aouinet Torkoz	
ALZ	Aoulouz	
ARF	Arif	
AVE	Averroes	
BAM	Barrage Abdel Moumen	
BMK	Barrage El Makhazine	
BBT	Barrage Ibn Batouta	
BME	Barrage Mansour Eddahbi	
BMB	Barrage Mohamed Ben Abdellah	
BMKM	Barrage Mohammed V	
BMD	Beni Messoud	
BIT	B. Ibn Batouta	BBT
BOJ	Boujaaouane	
BBA	Boulbra	
CGR	Cap Guir	
CPS	Cap Spartel	
CHEFC	Chefchaouen	
CIA	Chichaoua	
CZD	Col de Zad	
M018	Ctre Commune Adrej	
M006	Ctre Commune Tamorot	
MDAL	Dalia	
DKH	Dar Kharkhour	
DKD	Dar Kodiat	
M015	Debdou	
M013	Dehoura	
M004	Dlalha	
M012	Douar Al Jazira	
M014	Douar Assehloun	
EAH	EAH	
M016	El Aouinet	
KIB	El Ksiba	
ERR	Err	
ZFT	Errachidia	
FIGM	Figuig	
FOE	Fourare	
GOLM	Goulmima	
HALM	Halim	
HAD	Hassan Addkhil	
IDR	Idriss Premier	
IFR	Ifrane	
IMK	Imi Mikki	
CHAS	Isla Isabel II, Islas Chafarinas	
JBB	Jbel Babet	
JHA	Jbel Lahdid	
JOK	Jbel Ouklim	
JBK	JBK	
KHF	Khenifra	
KRAM	Krabesse	
KES	Ksar Es Souk	HAD
M019	Kzer Tazemourite	
M005	Laghdir	
LRO	Larroussi	
LCRM	LCR	
MD31	MD31	
M008	Mechra Hommadi	
EMLI	Melilla	
MDT	Midelt	
MD01	Midelt array site 01	
MIF	Mishlifen	
GOG	Mont Gurugu	
NKM	Nakhla	
OKL	Od Khalfella	
OUJ	Oujda	
OUK	Oukaimeden	
OUZM	OUZ	
MPAL	Palemas	
PALE	Palemas	
ALHU	Pen de Alhucemas	
RBA	Rabat	
RTC	Rabat Centre	
RBZ	Rabat Zaers	
RSA	Sarsar	
SICH	Sidi Chahed	
SFNM	Sidi Ifni	
M017	Sidi Mnan	
SRHM	Skhour des Rehamma	
SOIM	Smimou	
SMRM	Smir	
SMIR	Smir Dam	
TAF	Taforalt	
TFLT	Tafoughalt	
TGT	Taghat	
TANT	Tantan	
TZK	Tazeka	
TZC	Tazercounte	
TZRR	Tazzarine	
TDRA	Tendrara	
TISM	Timmit	
MTNG	Tinghir	
TIO	Tiouine	
TIS	Tissa	
M007	Tizi Ouasli	
TTIG	Tnine Tigouga, Taroudante	
TSY	Tnine Yamani	
MTOR	TORKOZ	
M010	Touazithe	
TNF	Tounfite	
TFT	Tounfite	
TOU	Touzarine	
YBT	Youssef Ben Tachfine	
ZGR	Zagora	
ZAI	Zaio	
ZER	Zerhoun	
ZHG	ZHG	
BMK*		BMKM
Mozambique		
M0781	Caia, A0781	
B0297	Cambeca, A0297	
M0786	Catandica, A0786	
M0770	Cavilane, A0770	
M0805	Chai village, A0805	
CNG	Changalane	
CBTN	Chibotane	
M3A19	Chidenguele, A3A19	
CHGM	Chingoma	
M0818	Chokwe, A0818	
M3G86	Duma, A3G86	
M4658	Funhalouro, A4658	
M0297	Inchope, A0297	
LICH	Lichinga	
LICM	Lichinga	
M3G66	Mabote, A3G66	
MSGR	Macavene	
M3433	Machasi, A3433	
M0302	Macossa, A0302	
M3522	Mafambisse, A3522	
MANI	Manica	
MAPH	Mapinhane	
MAPI	Mapinhane	
LMM	Maputo	
M3G93	Massangena, A3G93	
M3878	Maxixe, 3878	
M1025	Muanza, A1025	
NPA	Nampula	
M3869	Nhangau, A3869	
M0295	Nova Mambone, A0295	
M0282	Quebese, A0282	
M1032	Serra Gorong, A1032	
M0789	Sofala, A0789	
SONG	Songo	
M1030	Susundenga, A1030	
TETE	Tete	
TET	Tete	
M3870	Villa Arriage, A3870	
Namibia		
AIAI	Ai-Ais	
OMUT	Andoni	
ARON	Aranos	
AROB	Aroab	
AUSN	Aus	
WP22	e3183	
WP04	e3369	
WP05	e3371	
WP08	e3372	
WP21	e3376	
WP02	e3380	
WP01	e3381	
WP06	e3382	
WP20	e3385	
GAMM	Gam	
GOBN	Gobabis	
HELM	Helmeringhausen	
HOCHN	Hochfeld	
KJAB	KAMANJAB	
KANON	KANO	
KATM	Katima Mulilo	
NEPA	Kaukuwa	
MALTN	Maltahohe	
MARIN	Mariental	
HAON	Okahao	
OKAM	Okamatapati	
OPU	Opuwo	
OTJO	Outjo	
RUDU	RUNDU	
KETSN	Seeheim	
SOLI	Solitaire	
TSUM	Tsumeb	
I35NA	TSUMEB INFRASONIC ARRAY REFERENCE POINT	
ARMS	Ukamas	
WAND	WAND	
WEWE	WEWE	
WIN	Windhoek	
Natal		
KSTD	Kokstad	
Niger		
TORD	Torodi Ar. Beam	
TOB1	Torodi Ar. Site	
TOC7	Torodi Ar. Site	
TOC6	Torodi Ar. Site	
TOA0	Torodi Ar. Site	
TOA1	Torodi Ar. Site	
TOA2	Torodi Ar. Site	
TOC5	Torodi Ar. Site	
TOC4	Torodi Ar. Site	
TOC3	Torodi Ar. Site	
TOC2	Torodi Ar. Site	
TOC1	Torodi Ar. Site	
TOB5	Torodi Ar. Site	
TOB4	Torodi Ar. Site	
TOB3	Torodi Ar. Site	
TOB2	Torodi Ar. Site	
TOA3	Torodi Ar. Site	
Nigeria		
ABAKI	Abakiliki	
AKAD	AfricaArray - AF, KAD	
ANSU	AfricaArray - AF, NSU	
AWKA	Awka	
ILEFE	Ile-Efe	
MINNA	Minna	
NTORO	Toro	
Rwanda		
BUTK	Butaka	
AST	Butare	BTR
BTR	Butare	
HUYE	HUYE	
KIG	Kigali	
MUSZ	Musanze	
RUSZ	RUSIZI	
SAHA	Sahara	
Senegal		
BBTS	Babate	
BKL	Bakel	
DAK	Dakar	
KDS	Kedougou	
KDG	Kedougou	KED
KED*	Kedougou	KDS
KED	Kedougou	
MMS	Matam	
MBO	M'Bour	
SOK	Sop, Niakhar	
Somalia		
MOG	Mogadiscio	
South Africa		
Botswana		
SA61		
SA60		
SA59		
SA62		
SA63		
SA64		
SA65		
SA66		
SA67		
SA68		
SA70		
SA71		
Cape Province		
AUGR	Augrabies	
BEW	Beaufort West	
BLE	Bellville	
BUFB	Buffelsbos	
CVN	Calvinia	
CVNA	Calvinia	
CGH	Cape Good Hope	
CTO	Cape Town	
CASA	Carruther's Hill	
CER	Ceres	
ELIM	Elim	
GRH	Grahamstown	
GRM	Grahamstown	
HER	Hermanus	
KEIM	Keimoes	
KSD	Kokstad	
KOMG	Komaggas	
KROM	Kromhout	
LTT	Louis Trichardt	
MDL	Mandileni	
PSR	Paul Sauer Dam	
POF	Pofadder	
PKA	Prieska	
ROSN	Rosenhof	
SOE	Somerset East	
SBO	Springbok	
SUR	Sutherland	
TUH	Tulbagh	
UMT	Umtata	
UPI	Upington	
Natal		
JOZ	Jozini	
NWL	Newcastle	
PTM	Pietermaritzburg	
PIE	Pietermaritzburg	
POG	Pongola	
Orange Free State		
BLF	Bloemfontein	
I47ZA	BOSHOF INFRASONIC ARRAY REFERENCE POINT	
FRS	Fauresmith	
KIM	Kimberley	
PKR	Le Roux Dam	
PRYS	Parys	
PRY	Parys	
SEK	Senekal	
VIR	Virginia	
WKM	Welkom	
GRM2	AfricaArray - AF, GRM	
SWZ2	AfricaArray - AF, SWZ	
ALBD	Alberton, Johannesburg	
ALKP	Alkanpan, Northen Cape, South Africa	
BFON	Badsfontein, Murraysburg, Western Cape	
BNON	Benoni	
BOSA	Boshof	
BRAK	Brakfontein	
GRAF	Camdeboo National Park, Graaff-Reinet, Eastern Cape	
CRLN	Carolina, Mapumalanga, South Africa	
DULL	Dullstroom, Mpumalanga	
FRAZ	Fraserburg	
HVD	Gariep Dam	
GRHM	Grahamstown, Eastern Cape	
GRAN	Grantham	

Code	*Station Name*	*Other*
HMSA	Hans M'sky res	
HRAO	HartRAO	
HOED	Hoedspruit, Limpopo	
KEIT	Keiteng, Limpopo	
KLOF	Kloof	
LEPH	Lephalale, Limpopo Province, South Africa	
LESE	Lesego, Limpopo	
M3901	Malelane, 3901	
MRCO	Marico , Northwest	
MTLB	Matlabas, Limpopo	
MSNA	Messina	
MUSN	Musina, Limpopo	
NMMU	Nelson Mandela Metropolitan University	
NWCL	Newcastle	
NHAM	Northam, Northwest	
NYAT	Nyati, Northwest	
NYLS	Nylsvlei,Limpopo Province	
OBSV	Observatory	
OKP	Okiep	
M3A16	Orpen Rest Camp, 3A16	
PHW	Phalaborwa	
PMBG	termaritzburg,KwaZulu lu Natal	
PILG	Pilgrimsrest, Mapumalanga, South Africa	
POGA	Pongola	
PRTV	Porterville,Western Cape	
RDWR	Rand Water	
DRD	Roodepoort, Johannesburg	
ROOI	Rooidraai Farm, Aberdeen, Eastern Cape	
RUST	Rust De Winter,Limpopo Province	
SCHUN	Schuinsdraai Nature Reserve,Limpopo Province	
SNKL	Senekal, Freestate Province	
MPHEP	Siloam, Limpopo	
M3527	Staff village, 3527	
CRAIL	Swartwater, Limpopo	
TLEK	Tau Lekoa	
TEMBE	Tembe Elephant Park,KwaZulu Natal	
TSWA	Tswaing Meteorite Crater Museum,Gauteng Province	
TZAN	Tzaneen,Limpopo Province	
UNJO	University of Johannesburg	
SHUDU	Vaalwater,Limpopo Province	
WTBG	Waterberg Wilderness,Limpopo Province	
WDLM	Western Deep Levels Mine	
SA17		
SA82		
SA81		
BB32		
SA69		
SA58		
SA57		
SA56		
SA55		
SA54		
SA53		
SA52		
SA51		
SA50		
SA49		
SA48		
SA47		
SA46		
SA45		
SA44		
SA43		
SA42		
SA40		
SA39		
SA38		
SA37		
SA36		
SA35		
SA34		
SA33		
SA32		
SA31		
SA30		
SA29		
SA28		
SA27		
SA26		
SA25		
SA24		
SA23		
SA22		
SA20		
SA19		
SA18		
SA169		
SA16		
SA155		
SA15		
SA14		
SA139		
SA13		
SA12		
SA11		
SA10		
SA09		
SA08		
SA07		
SA05		
SA04		
SA03		
SA02		
SA01		
Transvaal		
BFT	Belfast (SA)	
BFSD	Buffelsfontein	
BFS	Buffelsfontein	
CGY	Coligny	
CRWM	Crown Mines	
ERPM	east rand property ines	
ERS	Ellisras	
EVA	Evander	
BPI	Johannesberg	
JOH	Johannesburg	
KSR	Koster	
LEP	Lephalale	
MOAB	Moab Khotsong	
MOPA	Mopani	
PRE	Pretoria	
SWZ	Schweizer	
SLR	Silverton	
TAUL	Tau Lekoa	
Zimbabwe		
SA73		
SA77		
SA75		
SA74		
SA78		
SA80		
SA76		
SA79		
Spain		
ETRV	Los Montesinos	
PVLZ	Pen@16o@15n de Ve@15lez	
Sudan		
MRWI	Hamdab	
HLFA	HLFA	
JAWL	J.Aulia	
KSLA	Kassala	
MRKH	Merkhyat	
MQOL	MQOL	
HMAD	Nubian desert	
NYA	Nyala	
SNAR	Sennar	
SLAT	Slait	
Swaziland		
HAGI	HAGI	
MAGG	Maguga Dam	
MMAL	MMAL	
SWL	Swaziland	
SWD	Swaziland	
Tanzania		
Kenya		
KIBOT		
MTVE	AfricaArray - AF	
DODT2	AfricaArray - AF, DODT	
SULU	AfricaArray/PSU - ZP	
KIBO	AfricaArray/PSU - ZP	
MANG	AfricaArray SE Tanzania Basin Experiment - YH	
KIMA	AfricaArray SE Tanzania Basin Experiment - YH	
MTWA	AfricaArray SE Tanzania Basin Experiment - YH	
MOHO	AfricaArray SE Tanzania Basin Experiment - YH	
CHAL	AfricaArray SE Tanzania Basin Experiment - YH	
WALE	AfricaArray SE Tanzania Basin Experiment - YH	
AINDI	AfricaArraySE Tanzania Basin Experiment - YH, INDI	
IFAK	Africa Array SE Tanzania Basin Experiment, ZH	
ACHIM	AfricaArray - ZP, CHIM	
AMAKA	AfricaArray - ZP, MAKA	
MAUS2	AfricaArray - ZP, MAUS	
AMIKU	AfricaArray - ZP, MIKU	
AMKRE	AfricaArray - ZP, MKRE	
PR52	Alailelai Boma	
LL65	Arash bomas	
CHML	Chimala	
CHUN	Chunya	
LN26	Engaresero PS	
PR31	Engaruka Boma	
PR33	Engutoto Boma	
GETA	Geita	
BUMI	Ibumi	
GAWA	Igawa	
IGOM	Igoma	
KIMO	Ikongo	
ILIND	Ilindi	
PR32	Iloiriento PS	
ILOM	Ilombo	
MW44	Karatu Welwel PS	
KIDE	Kidegembe	
KIFA	Kifanya	
PR61	Kiloki Boma	
KIPE	Kipengere	
LN16	Kitarini PS	
PR11	Kitumbeine SS	
MZUN	Kiwira	
ISOK	Kyela	
LN25	Lake Natron SS	
LN15	Lekule Girls SS	
NG55	Lemala Gate	
LIGA	Liganga	
JILO	Lwanjilo	
LN34	Lwondulwo boma	
UNDA	Madunda	
LN35	Magadini PS	
BAKO	Makambako	
MAKE	Makete	
LOSI	Makongolosi	
MANDA	Manda	
CRTR	Masoko	
LL24	Masusu PS	
MATAM	Matamba	
LN14	Matela PS	
MBHS	Matema	
TIRI	Matiri	
TOLA	Matola	
MBAM	Mbamba Bay	
BANG	Mbangamawe	
MBEY	Mbeya	
PR63	Meshili Boma	
MFRI	Mfriga	
ZINI	Mgazini	
MKIL	Mkili	
MUDIN	Mudindi	
KURU	Muhukuru	
NG54	Nasera Bomas	
PR53	Nayobi Boma	
LN46	New Vision PS	
NG56	Ngoile bomas	
NIND	Nindi	
UWEM	Njombe	
NKAL	Nkalisi	
LN45	Noondotu PS	
OLDO	Ol Doinyo Lengai	
MW36	Oldoinyo Lengai SS	
PR62	Oldupai Boma	
MW41	Ole Sokoine	
LL66	Piyaya bomas	
LL23	Sali PS	
NGEA	Songea	
ITUM	Tunduma	
UKWA	Ukwama	
MTAN		
URAM		
KIBE		
SNGT		
MITU		
MTORT		
KOMO		
TARAT		
BASOT		
PUGE		
RUNG		
HALET		
GOMAT		
MBWE		
Togo		
OAUI	Ile-Ife	
LOM	Lome	
Tunisia		
BLIT	Baltah	
BKLT	Bekalta	
BERT	Berda	
AYNT	El Ayoun	
GAF	Gafsa	
GFA	Gafsa	
GHAT	Ghardimaou	
HANT	Hania	
BTHT	Jabal bu Thady	
KCHT	Kechabta	
KEST	Kesra	
I48TN	KESRA INFRASONIC ARRAY REFERENCE POINT	
KRIT	Krib	
MART	Mareth	
MEDT	Meda	
MBZ	Menzel Bouzelfa	
OAR	Oum El Arais	
SBS	Sidi-Bou-Said	
SGNT	Sidi Gnaou	
SYA	Sidi Yaiche	
TAMR	Tamra	
TATN	Tataouine	
THTN	Thala	
THA	Thala	
TROT	Trozza	
TUN	Tunis	
ZGN	Zaghouan	
Uganda		
ATEBE	AfricaArray - AF, TEBE	
PIGI	AfricaArray/PSU - ZP	
KATE	AfricaArray/PSU - ZP	
KBLE	AfricaArray/PSU - ZP	
BUTI	AfricaArray/PSU - ZP	
FOPO	AfricaArray/PSU - ZP	
JNJA	AfricaArray/PSU - ZP	
MALE	AfricaArray/PSU - ZP	
ROTI	AfricaArray/PSU - ZP	
SAKA	AfricaArray/PSU - ZP	
ABEND	AfricaArray - ZP, BEND	
TEBE	Entebbe	
ENT	Entebbe	
HOI	Hoima	
KIL	Kilembe	
MBAR	Mbarara	
United Republic of Tanzania		
Tanzania		
AICH	Aicho	
ARSH	Arusha	
ARTT	Arusha	
BBAT	Babati	
BASH	Bashay	
BIHA	Biharamulo	
MKRE	Bukene	
BKBA	Bukoba	
DOD	Dodoma	
DODM	Dodoma	
DODT	Dodoma, Tanzania	
DONB	Dongobesh	
ENDA	Endulen Rd	
GEIT	Geita	
GIDA	Gidamilanda	
IRIN	Iringa	
ITKT	Itaka	
ITBT	Itumba	
HAMA	Kahama	
OSIN	Kakessio	
KRTU	Karatu	
KETU	Ketumbeine	
KIBA	Kibaya	
KGMA	Kigoma	
KIOM	Kiomboi	
KOND	Kondoa	
KYLA	Kyela	
LAEL	Laela	
MALJ	Lake Magadi	
MAUS	Longido	
MAFI	Mafinga	
MGRA	Magara	
MAJI	Maji Moto Rd	
MAKM	Makambako	
LOSS	Makongolosi	
KWSI	Makuyuni	
MAKS	Makuyuni S	
MAN2	Manyara 2	
COFF	Manyatta Coffee Estate	
MANYT	Manyoni	
MKAO	Maswa Reserve	
MBAT	Mbeya	
MBUL	Mbulu	
MGOR	Morogoro	
MOSH	Moshi	
PNDA	Mpanda	
LGDO	Mt Longido	
MLBA	Muleba	
MIKU	Namanyere	
NJOM	Njombe	
PDHT	Panda Hill	
QARU	Seremai	
MWSR	Sibiti River	
SINGT	Singida	
SONE	Songea	
SUMB	Sumbawanga	
SIMG	Tanzanite One Mining	
TREE	Tree Lodge	
TDMT	Tunduma	
TUND	Tunduma	
UVZA	Uvinza	
WINO	Wino	
Zambia		
KASM	Array-Uganda/Tanzania zania - ZP	
KISZ	Array-Uganda/Tanzania zania - ZP	
LWNG	Array-Uganda/Tanzania zania - ZP	
MKUS	Array-Uganda/Tanzania zania - ZP	
MPIK	Array-Uganda/Tanzania zania - ZP	
MUFZ	Array-Uganda/Tanzania zania - ZP	
MWEN	Array-Uganda/Tanzania zania - ZP	
SERJ	Array-Uganda/Tanzania zania - ZP	
SHWG	Array-Uganda/Tanzania zania - ZP	
KISH	Array-Uganda/Tanzania zania - ZP	
GABZ	Array-Uganda/Tanzania zania - ZP	
ACHAM	Array-Uganda/Tanzania zania - ZP, CHAM	
AKAMZ	Array-Uganda/Tanzania zania - ZP, KAMZ	
AMANS	Array-Uganda/Tanzania zania - ZP, MANS	
BHA	Broken Hill	
CHMZ	Choma	
IKZ	Isoka	
ITZ	Itezhi-Tezhi	
KSMZ	Kasama	
KMZ	Kasempa	
KTWE	Kitwe	
LUS	Lusaka	
LSZ	Lusaka	
MZZ	Mansa	
MONG	Mongu	
PTZ	Petauke	
Zimbabwe		
HARE2	AfricaArray - AF, HARE	
BUL	Bulawayo	
BLWY	Bulawayo	
CHIPN	CHIPINGE	
CIR	Chiredzi	
HARE	Harare	
HWZ	Hwange	
KRB	Kariba Dam	
KRR	Karoi	
KRI	Karoi	
MATP	Matopo	
MTD	Mount Darwin	
MUZ	Mutare	
ANTARCTICA		
Antarctica		
I03AU	Davis Base, Antarctica	
ELIB	Princess Elisabeth base, Queen Maud Land, Antarctica	
SPA	South Pole	
QSPA	South Pole Quiet Zone Earth Science Observatory	
Antarctic Peninsula		
AIA	Argentine Island	
ESPZ	Base Esperanza	
GGV	Gabriel Gonzalez Videla	
LIVV	Livingston, Bulgarian Antarctic Base	
ANC	Marguerite Bay	
OHC	O'Higgins	
PMSA	Palmer Station	
SMAI	San Martin Antarctic Base	
Coats Land		
BELA	Belgrano 2	
HBA	Halley Bay	
Dronning Maud Land		
ABOA	Aboa	
I27DE	GEORG VON NEUMAYER INFRASONIC ARRAY REFERENCE POINT	
MAIT	Maitri	
VNA	Neumayer	
VNA3	Neumayer Olymp	
VNA1	Neumayer--Station	
VNA2	Neumayer--Watzmann	
NVL	N'lazarevskaya	
SNA	Sanae	
SNAA	Sanae	
SYO	Syowa Base	
TROLL	Troll, Antartica	
East Antarctica		
CCD	Concordia, Antarctica	
Ecuador		
AMCA	GAD MUNICIPAL DE MACARA	

Code	Station Name	Other
AZPT	GAD MUNICIPAL DE ZAPOTILLO	
Enderby Land		
CASY	Casey	
King Edward VII Land		
LAA	Little America	
RMA	Rockefeller Mts	
Mac Robertson Land		
MAW	Mawson	
Marie Byrd Land		
BYR	Byrd	
BSA	Byrd (S.R.I.)	BY1
BY2	Byrd--Stanford Research Institute	
BY3	Byrd--Stanford Research Institute	
BY1	Byrd--Stanford Research Institute	
BYA	Byrd--Stanford Research Institute	
Queen Mary Land		
MIR	Mirnyy	
OBA	Oasis-Bungera	
South Orkney Islands		
ORCD	Orcadas	
SGY	Signy Island	
South Shetland Islands		
AAS	Arctowski Station	
DEC	Deception Island	
JUBA	Jubany	
PED	Pedro Cerda	
SEJ	Sejong Station	
Terre Adelie		
DRV	Dumont d'Urville	
CORRE	Terra Adelie	
PINGU	Terre Adelie	
TAA	Terre Adelie	
PIDGE	Terre Adelie	
PORMA	Terre Adelie	
Victoria Land		
HLL	Cape Hallett	
MCM	McMurdo Sound	
SBA	Scott Base	
TAMA1	TAMSEIS 9900, AN1	
TAMA2	TAMSEIS 9900, AN2	
TAMA3	TAMSEIS 9900, AN3	
TAMA4	TAMSEIS 9900, AN4	
TAMA5	TAMSEIS 9900, AN5	
TAMA6	TAMSEIS 9900, AN6	
TAMA7	TAMSEIS 9900, AN7	
TAMA8	TAMSEIS 9900, AN8	
TAMA9	TAMSEIS 9900, AN9	
TNV	Terranova Bay	
VNDA	Vanda	
VND	Vanda	
I55US	WINDLESS BIGHT INFRASONIC ARRAY REFERENCE POINT	
Wilkes Land		
CSY	Casey Station	
WIL	Wilkes	
ASIA		
Afghanistan		
HRA	Herat	
KBL	Kabul	
KAAO	Kabul (SRO)	KBL
KBU	Kabul University	
Arkangel'skaya Oblast'		
SHIP	Sredneye Shipitsyno	
Arkhangel'skaya Oblast'		
ADZR	Andozero	
OMEGA	Omega	
Armenia		
ALGS	Alagyaz	
ALVK	Alvank	
AMBZ	Amberd	
AKSZ	Araks	
ARRZ	Ararat	
ARTS	Artic	
ARUZ	Aruch	
AYRK	Ayrk	
BVRS	Bavra	
BAW	Bavra	
CKLZ	Chkalov	
DARS	Darpas	
EGVZ	Egvard	
GNI	Garni	
GOGS	Gogaran	
GRS	Goris	
TUNS	Gyulagarak	
GYMZ	Gyumri	
GMRZ	Gyumri	
AIDS	Halavar	
MOLS	Halavar	
HARI	Harich	
HNAZ	Hnaberd	
IDJZ	Idjevan	
ISKY	Isaakyan	
DZR	Jermuk	
KDR	Kadzharan	
KMOZ	Kamo	
KAMZ	Kamo	
KAPZ	Kaputan	
KRMZ	Karmrakar	
KKRS	Karmrakar	
KATS	Katnaghbyur	
NB2S	Katnajur	
KETS	Keti	
XYB	Khnkoyan	
KIRO	Kirovokan	
COLK	Krashen	
LEN	Leninakan	
LMTZ	Lermontov	
LERZ	Lernakert	
LRNS	Lernantsk	
LYES	Lernapar	
LERS	Lernavan	
LSVT	Lusahovit	
MGRZ	Megri	
METS	Metsamor	
MCRS	Metsamor	
METK	Mets Parni	
NRKZ	NAREK	
NARZ	Nor Artik	
SARS	Nor Kachakap	
NPPZ	NPP	
PAAR	P'arak'ar	
SRRS	Sarahart	
SATK	Sarapat	
SRTK	Saratovka	
KMLS	Shenavan	
SHNS	Shenavan	
SPZA	Spitak	
SPIZ	Spitak	
STE	Stepanavan	
ST1S	Stepanavan 1	
ST2S	Stepanavan 2	
ST7	Stepanavan 7	
STEZ	Stepenevan	
TCHZ	Tchakhmakh	
TORS	Torosgyugh	
TSOZ	Tsokhamarg	
KYB	Urasar	
VANZ	Vanadzor	
VNNZ	Vanand	
VRNZ	Vardanashen	
VADZ	Vardenis	
VRD	Vardenis	
VAYK	Vayk	
XTNZ	Xhotanan	
ERE	Yerevan	
Azerbaijan		
AGDM	Agdam	
ATGJ	Altiaghaj	
ASTR	Astara	
ALIB	Äli-Bayramli	
BRDA	Ba@14rda@14	
BAK	Baki	
BALAK	Balakhany	
BAU	Ballabur	
BLQ	Beylaqan	
GLBA	Ca@14lilabad	
DZB	Cabrayil	
ZHI	Cilov Adasi	
QBL	Gabala	
GALA	Gala	
GANJ	Ganja	
KRV	Ganja	
GDB	GEDABAY	
GOBA	Gobu	
HYR	Heyderabad	
ISM	Ismayilli	
IML	Ismayilli	
ISL	Ismayilll	
KBJ	Kelbejer	
XNQ	Khinaliq	
KDMR	Kurdemir	
LNK	Lankaran	
LKRN	Lenkeran, Azerbaijan	
LRK	Lerik	
LKB	Lokbatan	
MGC	Mingacevir	
MNGR	Mingechevir, Azerbaijan	
NAX	Nakhchivan	
NDR	Nardaran	
NAK	Naxcivan	
ORD	Ordubad	
PRLS	Pirkuli	
PQL	Pirkuli	
QZX	Qazax, Azerbaijan	
GBS	Qobustan	
QRD	Qoradiz	
QUB	Quba	
KUB	Quba	
QUBA	Quba, Azerbaijan	
QSAR	Qusar	
SAAT	Saatly	
SHKI	Saki	
SHE	Samaxi	
SBZ	Shahbuz	
SEKA	Sheki	
SIZA	Siya@14za@14n	
SMGA	Sumqayit	
YRD	Yardimli	
ZKTA	Zakatala	
ZKT	Zaqatala	
ZRD	Zardab	
Bahrain		
BEE	Al Areen	
BBU	Al Budayyi	
BRF	Ar Rifa	
SAKB	Bahrain	
BJA	Jaww	
BMU	Muharraq	
Bangladesh		
BRDH	Bariadhala	
CHT	Chittagong	
JESS	Jessore	
Bashkortostan		
BA1R	Ufa	
Beijing		
MIY1	Miyun	
Bhutan		
CHUK	Chukha	
PARO	Chuyul	
BUMT	Jakar	
TASH	Kencho	
YALA	Shishapangma	
DOCH	Thimphu	
Bihar		
ARIA	ARARIA	
GAYA	Gaya	
STMR	SITAMARHI	
Buryatiya		
GORB	Goryachinsk	
NIZB	Nizh Angarsk	
VBR	Suhoy Ruchey	
YOAB	Uoyan, Buryatiya, Russia	
Cebu		
DACP	Dalaguete, Cebu	
MECP	Medelin, Cebu	
SFCP	San Francisco, Cebu	
China		
Beijing		
BJT	Baijiatuau	
BJI	Beijing	
BJI2	Beijing	
PEK	Beijing	BJI
KWNG	Kwanting	
Fujian		
ZZJH	Jiuhuzhen	
QZN	Quanzhou	QZH
QZH	Quanzhou	
Gansu		
CYEH	Changyeh	
GTA	Gaotai	
LCC	Lanzhou	
LZH	Lanzhou	
LAN	Lanzhou	
TNH	Tianshui	
TUWA	Tungkwan	
WUW	Wuwei	
YUM	Yumen	
Guangdong		
CNT	Guangzhou	GZH
GZH	Guangzhou	
LMC	Lamocks	
Guangxi		
GULI	GuiLin	
Guizhou		
GYA	Guiyang	
KWA	Guiyang	GYA
HXI	Guiyang	GYA
Hainan Dao		
QIZ	Qiongzhong	
Hebei		
TIE	Tianjin	
Heilongjiang		
SUI	Sui-hua	
Hong Kong		
HKCD	Cape D'Aguilar	
CCHK	Cheung Chau	
HKC	Hong Kong Observatory	
HKPS	Hong Kong Po Shan	
HKLI	Keung Shan	
HKLM	Lead Mine Pass	
HKLK	Luk Keng	
HKSL	Siu Lam	
THK	Tsim Bei Tsui	
YHK	Yuen Ng Fan	
Hubei		
ENH	Enshi	
WHN	Wuhan	
WUH	Wuhan	
WUC	Wuhan	WHN
Hunan		
CNSH	ChangSha	
Jiangsu		
NJI	Nanjing	NAN
NJ2	Nanjing	
NAN	Nanjing	
ZKW	Sheshan	
ZSC	Sheshan	
ZSC*	Sheshan	
SSE	Sheshan	
Jilin		
CN2	Changchun	
HSK	Changchun	
CNH	Changchun	
MDJ	Mudanjiang	
Liaoning		
DL2	Dalian	
DAI	Luda	
FEN	Shenyang	
SNY	Shenyang	
YIN	Yingkou	
Macao		
MCO	Taipa Grande	
Nei Monggol Zizhiqu		
BTO	Baotou	
PAO	Baotou	BTO
HIA	Hailar	
HHC	Hu-ho-hao-te	
Ningxia		
YNC	Yinchuan	
Qinghai		
GOMU	GeErMu	
SNN	Xining	
Shaanxi		
TYF	T'ung-yeun Feng	
XAN	Xi'an	
SPE	Xi'an	XAN
SIA	Xi'an	
Shandong		
TSN	Qingdao	
TIA	Tai'an	
Shanxi		
TTC	Datong	
LNF	Linfen	
TYN	Taiyuan	
TIY	Taiyuan	
Sichuan		
PEH	Beibei	
CD2	Chengdu	
CDU	Chengdu	
CNU	Chengdu	CDU
Xinjiang Uygur Zizhiqu		
KSH	Kashi	
WMQ	Urumqi	
WUS	Wushi	
Xizang Zizhiqu		
ST19	Bangong	
ST21A	Bangong Suture	
ST04	Boqe	
XIXI	Borongxiang, Xizang Zizhiqu	
CHUD	Chudeng	
CHUS	Chupsang	
NING	Damshung	
ST01	Deqen	
ST27	Doima	
ST18A	East Bangong	
ST06	East Boqe	
ST25	Heping	
JMAG	Jamag	
ST34	Jangngalda	
ST40	Last Nowhere	
LSA	Lhasa	
LHA	Lhasa	
LAZE	Lhatse, Xizang Zizhiqu	
LUMP	Lumpola	
MAZA	Mabujiaxiang, Xizang Zizhiqu	
ST12	Maintong	
MNBU	Menbuxiang, Xizang Zizhiqu	
ST39	Middle Nowhere	
ST38	More Nowhere	
RC14	Nage Dongri, Xizang Zizhiqu	
NAIL	Nailongxiang, Xizang Zizhiqu	
DONG	Nakchu	
ONRN	Ngamring, Xizang Zizhiqu	
NHIM	Nhimo	
ST19A	North Bangong	
ST22	North Bangong Suture	
ST05	North Boqe	
ST02	North Deqen	
ST28	North Doima	
ST29	Northeast Doima	
ST16A	Northeast Serting	
ST25A	North Heping	
ST35	North Jangngalda	
ST12A	North Maintong	
ST37	North of River	
ST11	North Palgon	
ST15	North Pangkog	
ST17	North Serting	
ST20	Northwest Bangong	
ST22A	Northwest Bangong Suture	
ST31	Northwest Twin Lake	
ST08	North Xuru	
ST36	Nowhere	
NASE	Paila	
ST10	Palgon	
PALB	Palub	
TAGA	Panbu Gunsar	
ST14A	Pangkog	
RBSH	Rongbusi, Xizang Zizhiqu	
SAGA	Saga, Xizang Zizhiqu	
SAJA	Sa'gya, Xizang Zizhiqu	
SSAN	Sangsangzhen, Xizang Zizhiqu	
ST16	Serting	
ST17A	South Bangong	
ST21	South Bangong Suture	
ST03	South Boqe	
ST00	South Deqen	
ST26A	South Doima	
ST23	Southeast Heping	
ST24	South Heping	
ST33	South Jangngalda	
SANG2	South of Nakchu	
ST09	South Palgon	
ST14	South Pangkog	
ST15A	South Serting	
ST32	South Thanglha	
ST18	Southwest Bangong	
ST26	Southwest Doima	
ST23A	Southwest Heping	
DINX	Tingri, Xizang Zizhiqu	
ST13A	West Mington	
STW1	West of Nyma	
ST30	West Twin Lake	
ST07	Xuru	
Yunnan		
KUN	Kunming	KMI
KMI	Kunming	
TNCH	TengChong	
China (Mainland)		
HILR	Hailar Array Beam Reference Point	
LZDM	Lanzhou Array Beam Reference Point	
Cyprus		
AKMC	Akamas	
AKMS	Akamas	
AKDN	Akdeniz- Kıbrıs	
AKIN	Akıncılar- Kıbrıs	
ALFC	Alefka	
ASGA	Asgata	
ATHAL	Athalassa	
OSC1	CSNet OBS 1	
OSC2	CSNet OBS 4	
EREN	Erenkoy	
FAM	Famagusta	
HSY	Hisarkoy	
KANT	Kantara	
LAR1C	Larnaka City Center	
LEF	Lefka	
LFK	Lefkose	
MAGT	Magosa	
MAMC	Mammari	
CSS	Mathiatis	
MVOU	Mavrovouni	
NATA	Nata	
NIC	Nicosia	
CMET	Nicosia	
PPCY	Paphos	
PARAL	Paralimni	
PHNC	Paralimni	
PAR1C	Paralimni Civil Defence	
CY101	RAF Akrotiri, Cyprus, Site CY101	
CY201	RAF Akrotiri, Cyprus, Site CY201	
CY301	RAF Akrotiri, Cyprus, Site CY301	
CY302	RAF Akrotiri, Cyprus, Site CY302	
CY303	RAF Akrotiri, Cyprus, Site CY303	
CY304	RAF Akrotiri, Cyprus, Site CY304	
CY305	RAF Akrotiri, Cyprus, Site CY305	
CY306	RAF Akrotiri, Cyprus, Site CY306	
CY401	RAF Akrotiri, Cyprus, Site CY401	
CY501	RAF Akrotiri, Cyprus, Site CY501	
CY601	RAF Akrotiri, Cyprus,	

	Site CY601	
CY602	RAF Akrotiri, Cyprus, Site CY602	
CY603	RAF Akrotiri, Cyprus, Site CY603	
CY604	RAF Akrotiri, Cyprus, Site CY604	
CY605	RAF Akrotiri, Cyprus, Site CY605	
CY606	RAF Akrotiri, Cyprus, Site CY606	
SZAC	Souni	
APOL	The Sanctuary of Apollo Hylates	
TROD	Troodos	

Dagestan

KANR	Karaman	
HNZR	Khunzah	

Delhi

JMIU	JAMIA UNIVERSITY	
NJFR	NAJAFGARH	
NARL	NARELA	

Democratic People's Republic of Korea

CHJN	Chongjin	
HJU	Haeju	
HHU	Hamhung	
HYSN	Hyesan	
KGE	Kanggye	
PYS	Pyongsong	
PYAG	Pyongyang	
PYO	Pyongyang	
SRW	Sariwon	
SUJ	Sinuiju	
WOSN	Wonsan	

East Timor

DLI	Dili	

Ethiopia

AALE	DHOFAR2 - YR, ALE	

Fukushima

JOTO	OTAMA OYAMA	

Georgia

ABS	Abastumani	
AKH	Akhalkalaki	
AZMN	Azmana	
BKR	Bakuriani	
BKRG	Bakuriani	
BROG	Barisakho	
BATM	Batumi	
BCHG	Becho	
BGD	Bogdanovka	
BOR	Borzhomi	
BGLV	Boslevi	
BTNK	Botanikuri	
BRNG	Burnasheti	
CHAG	Chala	
CHRG	Chargali	
CHVG	Ch'k'valeri	
CBRG	Chuberi	
DGRG	David-gareji	
DDFL	Dedoflistskaro	
TBLG	Delisi	
DGN	Dgnorisa	
DMNI	Dmanisi	
DMNS	Dmanisi	
DUS	Dusheti	
GARIG	Gari	
GEG	Gegechkori	
GTS	Gentvishi	
GHRG	Ghorjomi	
GOR	Gori	
GUDA	Gudauri	
GUDG	Gudauri	
KZRT	Kazreti	
KZR	Kazreti	
KEH	Kehvi	
KHS	Khaishi	
KHEL	Khelvachauri	
KHVA	Khvani	
KYM	Kumisi	
KMSG	Kumisi	
KRYG	Kurzu	
LGD	Lagodekhi	
MARV	Martvili	
MTIG	Mestia	
MTEO	Meteo	
MTA	Mtatsminda	
ALIG	Mtskhetisjvari	
NKK	Na'kalak'ari	
NTS	Ninotsminda	
ONI	Oni	
PNSH	Pansheti	
TI2	Plekhanov	
SBTG	Sabatlo	
SAB	Saberio	
SAMG	Sameba	
SRKG	Sareki	
SRCG	Sart'ichala	
SHTL	Shatili	
TIF	T'bilisi	
SEAG	Tbilisi Sea	
TKI	Tkibuli	
TKB	Tkibuli	
TNTG	T'onet'i	
TRLG	Trialeti	
ZSH	Tsaishi	
TSE	Tsebel'da	
TDG	Tsikhis-Dzhvari	
ZTZ	Tsit'eli Tsqaro	
URAV	Uravi	
VAD	Vardenisi	
VRZG	Vardzia	
VSHL	Vashlovani	
VERG	Veris	
VRZT	Veris	
ZUG	Zugdidi	
AMRG		

Gujarat

BHUN	Bhuj North	
B0DF	Kalawad	
NALA	Naliya	

Haryana

GNR	GANAUR	

Hebei

HNS	HongShan	

Heilongjiang

BNX	BinXian	
HEH	HeiHe	
EN06	NECsaids, EN06	
EN08	NECsaids, EN08	
EN10	NECsaids, EN10	
EN11	NECsaids, EN11	
EN14	NECsaids, EN14	
EN16	NECsaids, EN16	
EN18	NECsaids, EN18	
EN19	NECsaids, EN19	
NS01	NECsaids, NS01	
NS02	NECsaids, NS02	
NS04	NECsaids, NS04	
NS05	NECsaids, NS05	
NS06	NECsaids, NS06	
NS07	NECsaids, NS07	
NS08	NECsaids, NS08	
NS09	NECsaids, NS09	

Henan

LYN	LuoYang	

India

Andaman Islands

BAKU	Bakultala	
BTNG	Baratang	
CMBY	CAMPBELL BAY	
CUBY	Cutbertbay	
DGPR	DIGLIPUR	
HVLK	Havelock	
HUTB	Hutbay	
KATL	Kadamtala	
MYB	Mayabunder	
PBA	Port Blair	
SHOA	Shoalbay	

Andhra Pradesh

ADKI	Addanki	
BNR	BHIKNUR	
CHLP	Challavanipeta	
HYD	Hyderabad	
HYB	Hyderabad	
HYBB	Hyderabad (broadband)	
KLRI	Killari	
KGD	Kothagudem	
NJS	Nagarjunasagar	
NLG	Nalgonda	
PVM	Polavaram	
RCLA	Racherla	
RPR	Rampur	
SKHT	Srikalahasti	
SRSP	Sriramsagar	
SRLM	Srisailam	
URV	Uravakonda	
VJD	Vijayawada	
VIS	Vishakhapatnam	
VISK	Vishakhapatnam	VIS
VIZ	Vizianagram	
WGL	Warangal	

Arunachal Pradesh

BMI	Bomdila	
INR	Itanagar	
ITAN	ITANAGAR	
KOI	Khonsa	
PASG	PASIGHAT	
TAWA	Tawang	
ZIRO	ZIRO	

Assam

AGIA	AGIA	
BKOA	Assam	
NGJA	Assam	
BOKO	BOKO	
DHUB	DHUBRI	
DIBR	DIBRUGARH	
GWH	Guwahati	
GUWA	GUWAHATI	
HLGA	Haflong	
HMNA	Hamren	
JHI	Jorhat	
JORH	JORHAT	
KZI	Kaziranga	
LKP	Lekhapani	
PNBI	Panbari	
SILR	SILCHAR	
TZR	Tezpur	
TEZP	TEZPUR	
TOC	Tocklai	
YYI	Yaongyimsen	

Bihar

BOK	Bokaro	
BOKR	Bokaro	BOK
SHBG	Sahibganj	

Delhi

AYAN	Aya Nagar	
LDR	Lodi Road	
NDI	New Delhi	
SONA	Sohna	

Goa, Daman and Diu

DHD	Dharwar	
GOA	Goa	

Gujarat

BHAC	Bhachau	
BHRD	Bharudia	
BHV	Bhavnagar	
BHUJ	Bhuj	BHJ
BHJ	Bhuj	
DOLA	Dholavira	
GDD	Ghadhada	
JUMK	Jumkunaria	
LAKD	Lakadia	
MAND	Mandvi	
MOTP	Motapaya	
NGOR	Nagor	
NALI	Nalia	
SHIV	Shivlakha	
TAPR	Tapar	
VJP	Vajepar	

Haryana

BHGR	Bahadurgarh	
KUDL	Kundal	
KKR	Kurukshetra	
RTK	Rohtak	
ROH	Rohtak	

Himachal Pradesh

BHAR	Bharisain	
CKA	Chakrata	
DLH	Dalhousie	
DHDN	Dehradun	
DHRM	DHARAMSHALA	
GKD	Gaurikund	
GTU	Guttu	
JWL	Jwalamukhi	
JWA	Jwalamukhi	
KLP	Kalpa	
KSLI	Kharsali	
KOTI	Kothi	
KKHI	Kotkhai	
NHN	Nahan	
NNR	Narayananagar	
NURP	Nurpur	
SMLA	Simla	
SMI	Simla	
SDNR	Sundarnagar	
TPVN	Tapovan	
THN	Thein Dam	
ALCI	Alchi Leh	
BDJL	Bahadjhola, Orissa	
BLGR	Bilaigarh	
CUPL	Choutuppal	
CUD	Cuddapah	
DMPR	Damasthipur	
DRPR	Durgaprasadpur, Orissa	
GGR	Gangavaram	
GKPR	Gorakhpur	
HRYA	Harraiya (Basti)	
UMI	India	
JMUI	Jamui	
JHJR	Jhajjar	
JOSI	Joshimath	
KNKR	KANKER	
KNTI	KHUNTI	
LGTI	Lohaghat	
MYLAV	Mylavaram	
NRLA	Narela	
NRPL	Narshiapallam	
NPLP	NPLP New Delhi	
PWAL	Palwal	
PTDI	Pataudi	
PONG	Pong	
RSRA	Roshora	
SLGI	Shiliguri	
TLWR	Talawar	
TKRD	Thakurdwara	
TSSA	Tissa	
UDPR	Udaipur	
UJWA	Ujwa (Najafgarh)	
UTK	UTTARKASHI	
VLK	Valmikinagar	

Jammu and Kashmir

BASC	Basecamp	
JMU	Jammu	
JYP	Jyotipuram	
MUZF	Muzaffarabad	
PTPR	Partapura	
RMBN	Ramban	
SRNI	Srinagar	
UDP	Udhampur	

Karnataka

GBA	Gauribidanur Array	
KGF	KGF	
MNGI	Mangalore	

Kerala

PCHI	Peechi	
TRVM	Trivandrum	TRD
TRD	Trivandrum	

Laccadive Islands

MNCY	Minicoy	
MNCI	Minicoy	

Madhya Pradesh

BHPL	Bhopal	
BLPI	Bilaspur	
BLSP	Bilaspur	
JBP	Jabalpur	
REW	REWA	
SEH	Sehore	

Maharashtra

AKL	Akola	
BHAT	Bhatsa	
BOM	Bombay	
GOV	Govalcot	
KARD	Karad	
KAD	Karad	
KOLH	KOLHAPUR, MAHARASTRA	
KNI	Koyna Nagar	
LATR	Latur	
MAH	Mahableshwar	
NGP	Nagpur	
NSIK	Nasik	
POO	Poona	
PUNE	Pune	
STA	Satara	

Manipur

IMP	Imphal	
MUM	Manipur University	
TORI	Toribari	
UKHR	Ukrul	

Meghalaya

NGNA	Nongstoin	
SHIO	Shillong	SHL
SHL	Shillong	
TURI	Tura	
TURA	TURA	
DWK		

Mizoram

AZL	Aizawl	
AIZW	AIZWAL	
SAIH	SAIHA	

Nagaland

BHDI	Bhandari	
CHKI	Chanki	
KHM	Kohima	
KOHI	KOHIMA	
KGNI	Kongan	
MOKO	MOKOCHONG	

Orissa

BWNR	Bhubaneshwar	

Punjab

BNGR	Bahawalnagar	
BHK	Bhakra	
FTMN	Fort Manro	
KTAS	Katas	
MUK	Mukerian	

Rajasthan

AJMR	Ajmer	AJM
AJM	Ajmer	
JASL	Jaisalmer	
KHET	Khetri	

Sikkim

GTK	Tadong	

Tamil Nadu

MDRS	Chennai	
KRKL	Karaikal	
KOD	Kodaikanal	
MDR	Madras	
SALM	Salem	

Tripura

AGT	Agartala	
BELO	BELONIA	

Uttar Pradesh

ABI	ADIBADRI	
AGRA	Agra	
AGR	Agra	
ALBI	Allahabad	
ASOR	Ausora	
BRCI	Bahraich	
BISR	Bishrakh	
DDI	Dehra Dun	
DBND	Deoband	
GARI	Garurganga	
JHNI	Jhansi	
KALG	Kalgarh	
MEE	Meerut	
UGON	Onchagaon	
PLMI	Pala-Maneri	
PTH	Pithoragarh	
RTUL	Rataul	
SNP	Sonepat	
VAR	Varanasi	
WIHG	Wadia Institute--Dehra Dun	

West Bengal

CAL	Calcutta	
HOW	Howrah	
ITKG	Kharagpur	

Indonesia

Ambon

AMO	Ambon	
AAI	Ambon	
KRAI	Karang Ratu	
NLAI	Namlea	

Bacan

LBMI	Labuha	

Bali

DNP	Denpasar	
IGBI	Denpasar	
INGI	Ingas	
JEHI	Jehsanih	
KHKI	Kahang-Kahang	
KELI	Kelakatan	
NBBI	Negara	
RTBI	Rangdo, Negare	
RANI	Rangndo	
RATI	Rata	
SRBI	Singaraja	
THRI	Tanaharon	

Bangka

PPBI	Pangkal Pinang	

Bawean

BWJI	Bawean	

Borneo

KBKI	Kotabaru	

Buton

BBSI	Bau Bau	
BSSI	Bau Bau, Buton	

Flores

EDFI	Ende, Flores	
LBFI	Labuhan Bajo, Sumatra	
MMRI	Maumere	
MHIT	MHIT	
RUTI	Ruteng	
BATI	Baumata	

Irian Jaya

BAKI	Biak	
FAKI	Fak Fak	
GENI	Genyem	
JAY	Jayapura	
KMPI	Kaimana, Papua	
MWPI	Manokwari, Papua	
MENI	Mendum Tagoi	
MMPI	Merauke	
NABI	Nabire	
RKPI	Ransiki, Papua	
SMPI	Sarmi	
SIJI	Sorong	
SWI	Sorong	
TLE	Tual	
WAMI	Wamena	
YOMI	Yo Moklole	

Jawa

ABJI	Asem Bagus	
BND	Bandung	
BJII	Banjamegara	
BLJI	Banyuglugur	
BYJI	Banyuwangi	
CNJI	Cibinong	
CGJI	Cibinong	
CLJI	Cilicap	
CMJI	Cimerak	
CISI	Cisompet, Garut	
CBJI	Citeko	
DBJI	Dramaga	
GED	Gedeh	
GRJI	Gresik	
GMJI	Gumukmas	
SCJI	Gunung Srandil	
JAGI	Jajag, Banyuwangi	
DJA	Jakarta	
JMBI	JAMBI	
JCJI	Jatiwangi	
KMMI	Kalianget	
KALI	Kaliastana	
KRKI	Karangkates	
KPJI	Karang Pucung	
KIJ	Kawah Idjen	
KEL	Kelud	
LEM	Lembang	
MLB	Malabar	
MAJ	Maron	
MRP	Merapi	
NGJI	Ngawi	
PCJI	Pacitan	
PWJI	Pagerwojo	
PACI	Pancar Gunung	
PASI	Pasiripis	
PULI	Pulasari	
SJI	Sawahan	
SNJI	Sawahan-Nganjuk, JISNET	

Code	*Station Name*	*Other*
SRDI	Scrawed	
SMRI	Semarang	
SMR	Semeru Mts	KEL
SBJI	Serang	
SINI	Singah	
SKJI	Sukabumi	
TBJI	Tambak Boyo	
TNG	Tangerang	
TPJ	Tangkuban Prahu	
TGJI	Tegal	
TRT	Tretes	
UWJI	Ujung Watu	
CTJI	Waduk Cacaban	
UGM	Wanagama	
WOJI	Wonogiri, Jawa	
YOGI	Yogyakarta	
Kalimantan		
BKB	Balikpapan	
BKB2	Balikpapan	
BBKI	Banjar Baru	
MTKI	Muara Teweh, Kalimantan	
PKKI	Palangkaraya	
PLKI	Palangkaraya	
PBKI	Pangkalan Bun	
PTKI	Pontianak	
SMKI	Samarinda	
SGKI	Sangatta, Kalimantan	
STKI	Sintang	
TARAI	Tarakan	
Lombok		
KEDI	Kedomdong	
KLNI	Mataram	
MTNI	Mataram	
Moluccas		
BNDI	Bandanaira	
GAMI	Galela, Maluku	
GTOI	Gorontalo	
MSAI	Masohi	
SANI	Sanana	
SLKI	Saumlaki	
SAUI	Saumlaki	
TNTI	Ternate	
TNE	Ternate	
Nias		
GSI	Gunungsitoli	
Sulawesi		
APSI	Ampana	
BNSI	Bone	
BKSI	Bulukumba	
BUNI	Buntu Taipa	
BTNI	Buton	
KMSI	Cibinong	
KAPI	Kappang	
KPNG	Kappang	
KDI	Kendari	
KKSI	Kolaka, Sulawesi	
LUWI	Luwuk	
MJSI	Majene	
PMSI	Majene	
MKS	Makassar	
MMSI	Mamuju	
MNI	Manado	
MPSI	Mapaga	
MRSI	Marisa	
MSSI	Masamba	
NINI	Niniconang	
PCI	Palu	
SPSI	Sidrap Palu	
SKSI	Soroako, Sulawesi	
TTSI	Tana Toraja	
TANI	Tanete Lipujang	
TOLI2	Tolitoli	
TOLI	Toli-Toli	
Sumatera		
AEKI	Aeknabara	
BSI	Banda Aceh	
BLSI	Bandar Lampung	
BKNI	Bangkinang	
BGI	Bengkulu	
EGSI	Enggano, Bengkulu	
HUTI	Huta Ginjang	
KSI	Kapahiang	
KRJI	Kerinci	
KKD	Korintji-Dempo	
KASI	Kota Agung	
KLI	Kotabumi	
KCSI	Kotacane, Aceh	
LHSI	Lahat	
LASI	Langsa, Aceh	
LARI	Lau Rambong	
LHMI	Lhok Sumawe	
LWLI	Liwa	
MNSI	Mandailing Natal	
MNAI	Manna	
MRPI	Mariponipon	
MARI	Martimbang	
MASI	Maura Aman, Bengkulu	
MDSI	Maura Dua	
MBSI	MBSI	
MED	Medan	
MLSI	Meulaboh, Aceh	
PDSI	Padang	
PPI	Padang Panjang	
PMBI	Palembang	
PCBI	Pancar Batu	
PENI	Pendagan	
PSI	Prapat	
PBSI	Pulau Batu	
PPSI	Pulau Pagai	
PWS	Pulau-Weh	
RBSI	Rajabasa	
RPSI	Rantau Prapat	
RGRI	Rengat	
SISI	Saibi	
SEMI	Semponon	
SIBI	Sibayak Dolok	
SBSI	Sibolga	
SIMI	Simarbalatuk	
SNSI	Sinabang, Aceh	
SLS	Soengei Langka	
SDSI	Sungai Dareh	
TLN	Talang	
TPI	Tanjungpandan	
TPRI	Tanjung Pinang	
TRSI	Tarutung	
TSI	Tuntungan	
UBSI	University, Bengkulu	
TPTI		
KLSI		
Sumba		
BASI	Baing, Sumba	
BMNI	Bima	
DBNI	Kabupaten Dompu	
PLAI	Plampang	
TWSI	Taliwang, Sumbawa	
WBSI	Waikabubak, Sumba	
WSI	Waingapu	
Timor		
BWTI	Baumata	
KUPT	Kupang	KUG
KUP	Kupang	
KUG	Kupang	
SOEI	Soe	
Inner Mongolia		
XLT	XiLinHaoTe	
Iran		
QABG	Abgarm-Qazvin	
ABIR	Abomosa Island	
IAFJ	Afjeh	
AFRZ	Afriz	
HAGD	Aghdareh	
AHAR	Ahar	
AHBU	AHRAM	
AHWZ	Ahwaz	
IAKL	Akhelmad	
QALM	Alamut, Qazvin	
IALA	Alasht	
ALIA	Aliabad	
ABGH	ALIABAD KATOL	
IALM	Almabolaq	
TEHA	Amirabad Tehran	
ANAR	Anarak	
IAND	Andimeshk	
IANJ	Anjilo	
ASAO	Ashtian	
GAS1	Astara - Iran	
IAZR	Azarshahr	
IBAF	Bafgh	
BAGH	Bagheran - Birjand	
KBAM	BAM	
IBND	Bandar-abas	
BNDS	Bandar-Abbas	
BSRN	Basiran	
ABEH	Behbahan	
BIRU	Birjand	
BJND	Bojnord	
BJNR	Bojnord	
BJRD	Bojnu@18rd	
BJMA	Bojnurd	
IBST	Bostanabad	
IBZA	Bozab	
IBRJ	Brojen	
QBNZ	Buin Zahra, Qazvin	
CSN1	Caspian	
CHBR	Chabahar	
CHTH	Charan	
ICHK	Chekchek	
CHMN	Cheshme madani	
KCHF	Cheshme Sefid, Kermanshah	
IDAH	Dahanechah	
IDMV	Damavand	
DAMV	Damavand	
BDRS	Dareh Seyedi	
SCNT	Darkhovein	
DARN	Darouneh	
IDSA	Dashabbas	
DSBU	Dashti - Bushehr	
DHL1	Dehloran	
IDHR	Dehrash	
IDOB	Doab	
DOBD	Dorbid, Yazd	
IEMG	Emamgholi	
IFTB	Fath-abad	
FRDS	Ferdows	
IFIR	Firoozkooh	
GENO	Geno	
GRMI	Germi	
IGHG	Ghaleghazi	
IGLO	Ghaloghah	
QAM	Ghamsar	
GHB	Gharebagh	
IGAR	Gharneh	
KGS1	Ghasr-e-Shirin	
IGZV	Ghazvin	
GHIR	Ghir-Karzin	
GHVR	GHOM	
GIDE	GILAN DEYLAMAN	
GLG1	Gilan-e-Gharb (Kermanshah, Iran)	
GNKF	Gonabad	
GTMR	Gotvand	
HGHA	Hamedan- Ghayesh	
IHSB	Hasanabad	
IHSH	Hashtrud	
IHRS	Heris	
IHOS	Hoseineyeh	
ILBA	Ilam Banvizeh	
IR2	Iran Long-Period Array	
IR4	Iran Long-Period Array	
IR6	Iran Long-Period Array	
IR5	Iran Long-Period Array	
IR3	Iran Long-Period Array	
IR7	Iran Long-Period Array	
IR1	Iran Long-Period Array	
IRSH	Iranshahr	
QJF1	Jafarie	
JHBN	Jahan bin	
JHRM	Jahrom	
JRKH	Jarkhoshk	
JSK1	Jask	
JASK	Jask - Hormozgan	
JSSH	JASK -SHIRAHAN	
JIR1	Jirandeh	
IKFM	Kafar-mosalman	
KHNJ	Kahnooj	
KKHK	Kakhk	
KHI	Kakhk	
IKMR	Kamar-syah	
IKRD	Kardeh	
KRSH	Karshahi	
KAZ2	Kazeron-Fars-Iran	
IKAZ	Kazeroun	
KAZ1	Kazerun	
KLST	Kelardasht - Mazandaran	
KRBA	Kerman	
KRBR	Kerman	
KRM1	Kerman Province	
KER	Kermanshah	
KHAF	Khaf	
KHL1	Khalili_Fars	
ADB	khalkal	
IKAR	Kharkheh	
SKHZ	Khezeriat	
KHMZ	Khomeyn	
IKIA	Kiasar	
KHSK	Kohestak	
KHGB	Koh Gabri	
HKZM	Kohzaman	
IKLH	Kolahrood	
KLNJ	Kolanjah	
IKOM	Komasi	
TKDS	Koohdasht(Tabas)	
IKOO	Kooshah	
LHJ1	Lahijan	
LHJ2	Lahijan - Gilan	
LMD1	Lamerd	
LAR1	LAR	
ILAS	Lasjerd	
ILIN	Lien	
MAHB	Mahabad	
IMAH	Mahabad	
IMHD	Mahdasht	
MAKU	Maku	
IMRD	Marand	
MRVT	Maraveh tapeh	
SMRD	Mared	
ISRO	Mashad	
MHI	Mashad	MAIO
MSHD	Mashhad	
MSH	Mashhad	
MAIO	Mashhad (SRO)	
MUI	Mashhad University	
MSHA	Masjed Soleyman	
IMEH	Mehriz	
AMD1	Meshkindasht	
BMDN	Meydan	
IMYA	Miami	
MISD	Mianeh	
MNB1	Minab	
IMIN	Minoodasht	
IMND	Minoodasht	
IMOG	Moghan	
SMGT	Moghavemat	
IMON	Monand	
IMOK	Mouk	
AMIS	Naft Sefid	
NGD1	Naghade .Az. Gharbi	
NASN	Na'in	
NJFI	Najafi	
TNSJ	Nastanj	
NGRK	Negar Kerman	
NGCH	Negor - Chabahar- Iran	
NHDN	Nehbandan	
NIAN	Nian	
NOSH	Now Shahr	
IPAR	Pars	
TPRV	Parvadeh(Tabas)	
IPAY	Payeh	
IPRN	Peran	
IPIR	Pirpir	
MZPU	Pul - Mazandaran	
QAMS	Qamsar	
QCNT	Qazvin	
QIR1	Qir	
IQOM	Qom	
IQHU	Qucahn	
QUCH	Quchan	
RFDD	Rafsanjan	
IRAM	Ramesheh	
RMKL	Ramhormoz	
QRS1	Rashteghoun_ Qazvin	
RST1	Rasht - Gilan	
IRAZ	Razeghan	
ROKH	ROKH	
SBZR	Sabzevar	
SBZV	Sabzevar	
ISAD	Sadrabad	
SALH	Salehabad	
SLM1	Salmas. Az.Gharbi	
HSAM	Samen	
SNGE	Sanandaj	
ISRB	Sarab	
SRKH	Sarakhs	
SRMB	Sarakhs	
SRVN	Saravan	
SRSL	SARDASHT	
SDS1	Sardasht. Az. Gharbi.	
HSRG	Sareghieh	
ISRV	Sarvestan	
SEF	Sefi@18d Ru@18d	SRI
SRI	Sefi@18d Ru@18d	
ISFB	Sefidab	
SMAV	Semnan-Aivanekay	
ISFR	Sfrayin	
SHD	Sha@18hru@18d	
ISHB	Shabestar	
SSHG	Shadegan	
ISHM	Shahmirzad	
SHRT	Shahrakht	
ISHR	Shahran	
SHK1	Shahrekord	
SHRO	Shahrood	
SHI	Shiraz	
ISHV	Shirvan	
SHGR	Shooshtar-Gavsavar	
ISHO	Shoshtar	
SHGO	Shushtar	
QSDN	Sirdan	
SNQR	Sonqor, Kermanshah	
TABS	Tabas	
TAPT	Tabas- Tapeh tagh	
TAB	Tabri@18z	
TAB1	Tabriz	
ITBZ	Tabriz	
TABZ	Tabriz	
TAFT	Taft - Yazd	
TGI	Taghi Ghambar	
THR	Tehra@18n	
TEH	Tehran	
THKV	Tehran--Karaj	
ITEG	Tejag	
TBJM	Torbat-e-JAM	
TBHD	Torbat heydarieh	
TVBK	TV Kerman	
IVRN	Varamin	
TVRZ	Varzaqan	
IVIS	Veis	
IASBS	W01	
YZKH	Yazd	
SZD1	Zahaedan-tmp	
ZHSF	Zahedan	
ZHDN	Zahedan	
ZNGN	Zangian	
ZNJK	Zanja@18n	
ZRDN	Zarand Kerman	
IZEF	Zefreh	
BZRK	Zereshkeh	
Iraq		
NSR4	Al Neser	
RAFI	Al-Rafai	
IBDR	Badra	
BHD	Baghdad	
KSBB	Baniby	
BSR	Basra	
IKRK	Kirkuk	
MSL	Mosul	
NSR	Nassriya	
RTB	Rutbah	
SLY	Sulaymaniyah	
Irkutskaya Oblast'		
MRU	Marituj	
UZR	Uzur	
Israel		
ADI	Adamit	
BLVR	Akhuzat Shoshana	
AMAZ	Amatzia	
AMZI	Amatzia	
GIF7	Amirim	
GIF8	Amirim	
AMRM	AMRM	
ARAD	ARAD	
ARVI	`Arava Valley	
ASHL	ASHL	
ATR1	Atar 1	
BGIO	Bar Giyyora	
BTI	Bat Shelomo	
NITZ	Be'er Ora	
ARVA	Beit Ha Arava	
GVI	Bet Guvrin	
BLGI	Bet Lehem HaGelilit	
BETMI	BETM	
BRNI	Bet Oren	
BGII	BGI	
BRNII	BRN	
BSO	Bsor	
DAMI1	DAM1	
DAMI2	DAM2	
DSI	Dead Sea	
DSD2	Dead Sea Dam 2	
GIF4	Deir al-Asad	
DIMI	Dimona	
DLIA	DLIA	
DOR	Dorot	
DRGI	Dragot	
DSI10	DS10	
DSI11	DS11	
DSI12	DS12	
DSDI2	DSDS2	
GIF2	Ega'aton	
HAMT	Eilat	
YHRM	Eilat	
ELOT	Eilot	
SHRTI	Eilot, SHRT	
ENGI	Ein Gedi	
GVMRI	Ein Harod, GVMR	
GIF1	Ein Ya'akov	
EIL	Elat	
MTBI	Elifaz, MTB	
GEM	Giv'at Ha'Em	
GVMR	Giv`at Hamore	
GLH	Golan-Tel Qazir	
HAF	Haifa	
HNTI	Hanita	
HLZ	Helez	
HOGN	HOGN	
JNI	Jehonathan	
JER	Jerusalem	
JVI	Jordan Valley	
KMTI	Karmit	
KSDI	Kefar Szold	
KERI	Keren	
KERN	KERN	
KSHT	Keshet	
HRSH	Kfar Ka'horesh	
KRPI	Kfar Ruppin	
GIF6	Kishor	
KOMTI	KOMT	
KTRA	KTRA	
KZIT	Kziot	
NOH	Ma'ale Noah	
MKT	Machtesh Katan	
MNFI	Manof	
MSDA	Masada	
MZDA	Masada	
MZBI	Masada	
MASH	Mash`abbe Sade	
MSHI	Mashabei Sadeh, MSH	
MSBI	Mazada	
MDBI	Mazsada	
MAMI	Mei-Ami	
DSI1	Metsoke Dragot	
MNIT	MNIT	
ASI	Mount Amassa	
ATZ	Mount Atzmon	
MBH	Mount Berech	
CRI	Mount Carmel	
MGI	Mount Gilboa	
HRFI	Mount Harif	
HRI	Mount Hermon	
MMLI	Mount Malkishua	
MML	Mount Malkishua	
MRNI	Mount Meron	
MMR	Mount Meron	
MNRI	Mount Meron	
MMA3	Mount Meron array	
MMA4	Mount Meron array	
MMB1	Mount Meron array	
MMB4	Mount Meron array	
MMC1	Mount Meron array	
MMB2	Mount Meron array	
MMC2	Mount Meron array	
MMC3	Mount Meron array	
MMC4	Mount Meron array	
MMC5	Mount Meron array	
MMC6	Mount Meron array	
MMA0B	Mount Meron array	

Code	*Station Name*	*Other*
MMC7	Mount Meron array	
MMB3	Mount Meron array	
MMA0	Mount Meron array	
MMA1	Mount Meron array	
MMA2	Mount Meron array	
MMAI	Mount Meron Array Beam Reference Point	
MOI	Mount Montar	
RMN	Mount Ramon	
RMNI	Mount Ramon	
MSM	Mount Sar Shalom	
SDOM	Mount Sodom	
MYI	Mount Yahel	
YASH	Mount Yoash	
MBRI	Mt Berech	
HMDT	Nahal Hemdat	
NAHO	Nahshon	
NEOT	NEOT	
NATI	Neve Ativ	
HRMI	Neve Ativ	
NSHI	Neve Shalom, NSH	
NOZA	NOZA	
OFRI	`Ofer	
DSI13	Ovnat, DS13	
PRNI	Paran	
KRMI	Paran Flat	
GIF9	Parod	
PARD	Parod	
GIF5	Pelekh	
RAMI	RAMI	
RTAM	Retamim	
RTMI	Retamim	
RTMM	Retamim	
REVI	Revivim	
RVVM	Revivim	
DAMI3	Safi, DAM3	
SAGI	Saggi Highlands	
SLTI	Sal'it	
SZAF	Shezaf	
SVTA	Shivta	
SHLH	SHLH	
SHVTI	SHVT	
SHZF	SHZF	
TUNL	TUNL	
YTIR	Yattir	
YHAZ	YHAZ	
YHOZ	YHOZ	
YELM	Yotvata	
ZNH	Zanoah	
SAF	Zefat	
ZEFH	ZEFH	
ZFRI	Zfri	
ZNT	Zur Nathan	
Jammu and Kashmir		
BDGH	Bhadarwah	
BDRWA	Bhadarwah	
DODA	Doda	
DORU	Doru	
GANDO	Gandoh	
HNLY	HANLEY	
KSHWR	Kishtwar	
LEH	LEH	
SRIN	SRINAGAR	
TATRI	Thathri	
THTRI	Thathri	
Japan		
Abashiri		
ABJ	Abashiri	
ABJ2	Abashiri 2	
JTKR	Abashiri--Tokoro	
JAK	Akkeshi	
KNP	Kunneppu	
JMP	Maruseppu	
Aichi		
JAA	Atsumi	
CHTJ	Chita	
JICN	Ichinomiyachiaki	
INU	Inuyama	
MIKN	Mikawa	
NAG	Nagoya	
SYJ	Shimoyama	
JSSY	Shinshiroyabe	
TYH	Toyohashi	
TYNN	Toyone	
Akita		
AKI	Akita	
AKI1	Akita	
AKIJ	Akita 2	
KOMT	Akitakoma	
FUT	Futatsui	
JAH	Hinai	
HJY	Honjo	HJH
HJH	Honjo	
NIB	Nibetsu	
JNTW	Noshirotokiwa	
OGH	Oga	
JOG	Oga	
JOG2	Oga 2	
JOG3	Oga3	
TBS	Tobishima	
TOBT	Tobi-shima	
YOKT	Yokooka	
JYW	Yuwa	
Aomori		
AOM	Aomori	
AOM1	Aomori	
AOMJ	Aomori 2	
AOM3	Aomori 3	
JAHD	Aomorihigashidori	
JARK	Aomorirokkasho	
DAKH	Dake	
GNK	Ganki	
HAC	Hachinohe	
HACJ	Hachinohe 2	
HATH	Hata	
HRD	Hirodai	
JHHS	Hirosakihyakuzawa	
IZMH	Iizume	
JIW	Iwasaki	
KZW	Kaizawa	
JANG	Nango	
JOT	Ohata	
JSI	Shiura	
JSI2	Shiura 2	
TNB	Tanabu	
JTM	Tenmabayashi	
YAY	Yayoi	
Bonin Islands		
JCJ	Chichijima	
CBIJ	Chichi jima	
CBI	Chichi jima	
TTZ	Chichi shima	
HJJ	Hachijo jima	
JHJ	Hachijo jima 2	
JHCJ	Hachijojimakashitate	
JHHJ	Haha-jima-NKT	
JHH2	Haha-jima-NKT2	
YUO	Iwo jima	
JKO	Kozu shima	
JHJ2	Mitsune	
MKJ	Miyake jima	
JMY	Miyakejima3	
NJJ	Nii jima	
NJJJ	Nii jima 2	
OGS	Ogasawara	
OSHJ	Oshima	
OSH	Oshima	
JIM	O shima 2	
JIM2	Oshima 3	
TOR	Tori shima	
Chiba		
COJ	Choshi	
CHO1	Chosi	
CHOJ	Chosi	
CHO	Chosi	
ICH	Ichihara	
INB	Inubo	
I30JP	ISUMI INFRASONIC ARRAY REFERENCE POINT	
IWJ	Iwai-Kita	
JKUC	kamogawauchiura	
KTR	Katsuura	
KIY	Kiyosumi	
KYS	Kiyosumi	
TMS	Mera	
MNJ	Mineoka	
JCN	Nagara	
SKU	Sakura	
JSMT	Sammumatsuo	
SMJ	Shimohsa	
TYM	Tateyama	
TAT	Tateyama	
TATJ	Tateyama 2	
TOG	Togane	
YKI	Yokaichiba	
Ehime		
MTY	Matsuyama	
JNA	Nagahama	
NHM	Niihama	
JET	Tanbara	
UWA	Uwa jima	
UWA2	Uwa jima 2	
Fukui		
FKJD	Fukui	
FUK	Fukui	
HKJ	Hokoriku	
IMJ	Imajo	
KAJD	Katsuyama	
KADD	Katsuyama	
MHJ	Mihama	
SGJ	Sugihashi	
TSR	Tsuruga	
TSRJ	Tsuruga	
Fukuoka		
JFA	Akaike	
AKM	Akama	
FKK	Fukuoka	
IZK	Iizuka	
JFI	Itaya	
Fukushima		
AID	Aizu	
FKS	Fukushima	
JFFD	Fukushimafurudono	
JHK	Hiroka	
IWK	Iwaki	
ONAJ	Iwakimizuishiyama	
KNY	Kanayama	
JFK	Kawauchi	
MAKT	Makukawa	
JMST	Minamisoumatochikubo	
ONA	Onahama	
JFT	Otama	
SHR	Shirakawa	
SHRJ	Shirakawa 2	
JFY	Yanaizu	
Gifu		
AMJ	Amo	
GIF	Gifu	
ITD	Itadori	
KTJD	Kamitakara	
JGF	Kuroka	
KHJ	Kushihara	
MZE	Maze	
JGM	Miyama	
JGN	Niukaw	
JAO	Obara	
OHRN	Oohira	
SMJD	Shimonomoto	
SPJN	Shinpukuji	
SRJD	Shirakawa	
SRJ	Sugihara	
TKN	Takane	
TAKN	Takayama	
TKY	Takayama	
TKZ	Takazawasan	
TKJD	Tokuyama	
TKC	Tsukechi	
YKE	Yakedake	
JYTA	Yamagatataniai	
Gumma		
JGK	Kuni	
MAE	Maebashi	
MAEJ	Maebashi 2	
ODSE	Onioshidashi	
Hidaka		
JBT	Biratori	
JBT2	Biratori 2	
ERM	Erimo	
JEM	Erimo	
HIC	Hidaka-Cho	
KMU	Kamikineusu	
MSN	Misono	
MUJ	Mitsuishi	
URA	Urakawa	
URAJ	Urakawa 2	
URA3	Urakawa 3	
JNBK	Urakawa-nobuka	
Hiroshima		
HIR1	Hiroshima	
HIR	Hiroshima	
HIRJ	Hiroshima 2	
JJG	Jouge	
JHM	Kurahashi	
KRE	Kure	
KUT	Kutsugahara	
MKW	Mikawa	
NKR	Nakanohara	
JHS	Saijyo	
SHK	Shiraki	
JHT	Toyohira	
UZT	Uzuto	
Hiyama		
JHY	Hiyama	
IMG	Imagane	
KKJ	Kaminokuni	
OKS	Okushiri	
JOSM	Okushiri--Matsue	
JOR	Okushj	
JSH	Shimam	
JSR	Shiriuchi	
Hokkaido		
HTUJ	Hattaushi	
JSHD	Hidakashinhidaka	
JHST	Hiyamasetana	
HRK	Horoka	
IWN	Iwanai	
SKBJ	Kato	
RUSJ	Misakicho	
TNKJ	Nakagawa	
JOMM	Oshimamatsumae	
JRBN	Rebuntou	
JTHR	Tokachihiroo	
Honshu		
BSO1	Boso 1	
BSO2	Boso 2	
BSO3	Boso 3	
BSO4	Boso 4	
Hyogo		
JAJ	Awaji shima	
JAWN	Awajishima-nagasawa	
HMTD	Hikami	
HIM	Himeji	
IZT	Izumi	
KZT	Kanzaki	
JKS	Kasai	
JKSM	Kasumi	
KBE	Kobe	
KOB	Kobe	
JMT	Mikata	
MZT	Mikazuki	
JMIK	Miki	
OYT	Oya 1	
OYT2	Oya 2	
RKO	Rokko	
SNZ	Senzan	
SUM	Sumoto	
TTOK	Tanto	
TYK	Toyo'oka	
TNAK	Tsuna	
JAJ2	Tsuna	
YZT	Yamasaki	
YST	Yumesaki	
Ibaraki		
JHYU	Hitachinakayamanoue	
JIHU	Itakohorinouchi	
KAK	Kakioka	
KAKJ	Kakioka Outpost	
MIT	Mito	
MRJ	Moriya	
MTJ	Mount Tsukuba	TSK
OKI	Okijuku	
TSK	Tsukuba	
JYT	Yasato	
Iburi		
GENH	Genta-Ana	
HORH	Horominai	
JIAM	Iburiatsuma	
NRMH	Kita-Gairin	
KITH	Kitausu	
KONH	Konpirayama	
MATH	Matsumotoyama	
SRMH	Minami-Gairin	
MITH	Mitoyo	
MRR	Muroran	
MRRJ	Muroran 2	
JNB	Noboribetsu	
OHD	Ohdaira	
SHOH	Showa-Shinzan	
TATH	Tatsuka	
TMR	Tomakomai	
UVO	Usu Kazan Kan	
Ishikari		
JEW	Eniwo	
HSS	Hokkaido University	
JISS	Ishikarishitsubu	
SAP	Sapporo	
Ishikawa		
JJH	Hakui	
JHG	Hegura jima	
HRJ	Horyu	
JKG	Kaga	
KAN	Kanazawa	
KANJ	Kanazawa	
KAN2	Kanazawa 2	
KMD	Komatsu	
KMJD	Komatsu	
JSZ	Suzu	
WAJ	Wa jima	
Iwate		
K06	Arakawa	
K11	Fujikirizawa	
HSH	Hashikami	
HMK	Himekami	
JMK	Ichinoseki	
IMAT	Imadeyama	
K05	Ishipane	
JSZI	Iwateshizukuishi	
KGJ	Kitakami	
K12	Koide	
K04	Kokoji	
K07	Kotohata	
JKEN	Kujiedanarisawa	
JKZ	Kuzumaki	
MKO	Miyako	
MIY	Miyako	
MIYJ	Miyakonagasawa	
MIW	Mizusawa	MIZ
MIZ	Mizusawa	
K08	Monomi-yama	
MRK	Morioka	
MRKJ	Morioka 2	
K01	Nishinai	
OFU	Ofunato	
OFUJ	Ofunato	
JOM	Ohasama	
K09	Ooide	
K10	Oonodaira	
JRG	Rokugo	
SNI	Sanriku	
SAH	Sawauchi	
K03	Shimotochinai	
JTH	Tanohata	
K02	Yamasaki	
KDT	Kodera	
JNIO	Niijimaoohara	
TTO1	TONANKAI O.B.S1	
TTO2	TONANKAI O.B.S2	
TTO3	TONANKAI O.B.S3	
TTO4	TONANKAI O.B.S4	
TTO5	TONANKAI O.B.S5	
Kagawa		
JJS	Sakaide	
TAD	Tadotsu	
TKM	Takamatsu	
Kagoshima		
FURD	Furusato	
GON	Gongen	
HIKD	Hikinohira	
KAG	Kagoshima	
KAGJ	Kagoshima 2	
KV01	Kirishima Volcano	
KITD	Kitadake	
KOID	Koike	
JMTN	Minamitane	
NABD	Nabeyama	
NOJ	Nojiri	
JZO	Okuchi	
KV05	Oonami East	
KV03	Oonami West	
JSJ	Shimokoshiki	
SHRD	Shirahama	
KV12	Sinyu	
JSU	Suzuyama	
KV11	Takachiho West	
JTSR	Tashiro 2	
JYRO	Yoronjima	
YOSD	Yoshimatsu	
YSM	Yoshimatsu	
Kamikawa		
AIB	Aibetsu	
ASAJ	Asahikawa	
ASA	Asahikawa	
JFR	Furan	
JKK2	Kamakawa 2	
JKK	Kamikawa	
JKA	Kamikawa-asahi	
Kanagawa		
KMK	Kamakura	
HRM	Kawasaki	
ASG	Minamiashigara	
MSK	Misaki	
JOD	Odawara	
JOD2	Odawara 2	
OYM	Oyama	
JSGW	Sagamiharawakayanagi	
SRY	Shiroyama	
TKE	Take-yama	
YOK	Yokohama	
JYO	Yokosk	
YSK	Yokosuka	
Kochi		
AOU	Aou	
ASZ	Ashizuri	
IHR	Ishihara	
KOC	Kochi	
JKHR	Kochiharuno	
JKU	Kubokawa	
JMN	Monobe	
MRT	Murotomisaki	
MRMJ	Muroto Misaki	
MRT2	Murotomisaki 2	
SHM	Shimizu	
JTO	Tosashimizu	
URS	Ugurusu	
UMJ	Umaji	
WMY	Wakamiya	
Kumamoto		
ASO	Aso	
ASJ	Aso san	
JBEP	Beppuamama	
JHD	Hondo	
HONK	Hondo	
JIU	Izumi	
JIU2	Izumi 2	
JIU3	Izumi3	
KISK	Kishima-dake	
KUM	Kumamoto	
KUMJ	Kumamoto 2	
MAKK	Maki	
SUNK	Sunasenri	
TAKK	Taka-dake	
JTA	Tamana	
Kushiro		
AKK	Akkeshi	
JAR	Ashorobuto	
KUS	Kushiro	
KUSJ	Kushiro	
KSUJ	Kushiro	KUSJ
JKHN	Kushirohamanaka	
JOB	Onbets	
TES	Teshikaga	
Kyoto		
KMM	Kamigamo	
KGMK	Kamigamo	
KHK	Keihoku	
KYO	Kyoto	
MZH	Maizuru	
MAI	Maizuru	
MZH2	Maizuru 2	
JFM	Mihama	
MYD	Miyazu	
SZG	Shizugawa	
TNJ	Tannan	
UJI	Uji	
JWT	Wachi	
JKY	Yasaka	
Marcus Island		
MCS	Marcus Island	
MCSJ	Minami-tori-shima	

Mie		
GZS	Gozaisho	GOZ
GOZ	Gozaisho	
INA	Iinan	
ISE	Ise	
JIE	Ise	
IWO	Iwaosan	
KAM	Kameyama	
KMYN	Kameyama	
JKN	Kiinagashima	
JKN2	Miekihoku	
JMMH	Miemihama	
OWA	Owase	
TSU	Tsu	
TSU1	Tsu	
TSUJ	Tsu 2	
UGK	Ugakei	
Miyagi		
AOB	Aobayama	
ISN	Ishinomaki	
JIKH	Ishinomakikobuchihama	
KMF	Kamafusa	
KWT	Kawatabi	
JKMT	Kesennumamotoyoshi	
KSN	Kinkasan	
JMM	Marumori	
JOFO	Osakifurukawaosaki	
JIO	Ouri	
SEN	Sendai	
TUY	Tsuyama	
Miyazaki		
JMH	Hososhima	
JHHC	Hyugahichiya	
KV02	Kamimonzen	
KV06	Karakunidake	
JKJ	Kijyo	
JKIT	Kitakata	
KV04	Kurino-dake	
JJK	Kushima	
JNAR	Kushima--Naru	
MYZ	Miyazaki	
MYZ2	Miyazaki 2	
JNKG	Nichinankitagou	
NOB	Nobeoka	
KV09	Okamoto-Ura	
JTZ	Takazaki	
JTSN	Tsuno	
KV91	Ura	
Nagano		
AVOE	Asama Observatory	
ASM	Asama Yama	
GPY	Gippayama	
HSJ	Hoshina	
HTK	Hotokeiwa	
HZA	Huzimizaka	
IJDJ	Iida	IIDJ
IIDJ	Iida	
IID	Iida	
IKJ	Ikusaka	
KRJ	Kamimuroga	
KAZ	Karuizawa	
KRZ	Karuizawa	KAZ
KSJ	Kashima	
KMGE	Kuromamegawa	
MJ00	Matshushiro Site	
MJA0	Matsu Arr-Jizo	
MJB3	Matsu-Daira	
MJB8	Matsu-Inaba	
MJB6	Matsu-Irikaruiz	
MJA4	Matsu-Jizotouge	
MTMJ	Matsumoto	
MTM	Matsumoto	
MJB4	Matsu-Nakagumi	
MJA2	Matsu-Nakaone	
MAJO	Matsushiro	
MAT	Matsushiro	
MJAR	Matsushiro Array Beam Reference Point	
MAT0	Matsushiro Array Site 0	
MJ01	Matsushiro Array Site 1	
MJ02	Matsushiro Array Site 2	
MJ04	Matsushiro Array Site 4	
MJ03	Matsushiro Array Site 4	
MJ05	Matsushiro Array Site 5	
MJ06	Matsushiro Array Site 6	
MJA3	Matsu-Soehiyama	
MJB2	Matsu-Sugadaira	
MJB1	Matsu-Takimoto	
MJA1	Matsu-Toyosaka	
MJB9	Matsu-Tunnel	
MJB7	Matsu-Wadaira	
MJB5	Matsu-Yatsubo	
NGN	Nagano	
NGJ	Na-gawa	
NNJ	Nakano	
NSW	Nakanosawa	
JNG	Nsakai	
OMJ	Ohmine	
OIW	Oiwake	
OOS	Ooshika	
SDJ	Sanada	
STRE	Sannotorii	
SSZ	Sekisonzan	
SHZE	Shinhuzimiza	
SSJ	Shinshu-shinm'i	
JNY	Yasuok	
Nagasaki		
CJA	Chijiwa	
FKJ	Fukue	
JFU	Fukue jima 2	
JII	Iki	
IZUJ	Izuhara	
IZU	Izuhara	
IZU2	Izuhara 2	
NGS	Nagasaki	
NGSJ	Nagasakinomozaki	
SWAJ	Obama	
SHV	Shimbara	
TOM	Tomie	
JTU	Tsushima	
JTSM	Tsushimamitsushima	
UNZ	Unzen dake	
JUR	Ureshino	
Nara		
HBR	Haibara	
JHE	Heguri	
NAR	Nara	
JNTK	Naratenkawa	
SRT	Sarutani	
YAG	Yagi	
Nemuro		
JNK	Nakash	
NEM	Nemuro	
NEM2	Nemuro 2	
NMR	Nemuro--Hokkaido University	
JNSB	Nemuroshibetsu	
JRA	Rausu	
Niigata		
AIK	Aikawa	
JAW	Awa shima	
ITGE	Itoigawa	
JIZZ	Izumozaki	
KZK	Kashiwa-zaki	
KZJ	Kashiwa-zaki	
JJN	Nakama	
NII	Niigata	
NIIJ	Niigata 2	
NOUE	Nou	
JSD	Sado	
JNS	Sasagawa	
SBH	Shibata	
TKJ	Takada	
TKD	Takada	
YHKE	Yahiko	
YNT	Yunotani	
YZU	Yuzawa	
Oita		
BEP	Beppu	
JKI	Kunimi	
JNU	Nakatsue	
OIT	Oita	
OIT2	Oita 2	
JSKE	Saikikamae	
JUS	Usuki	
Okayama		
JAD	Aida	
OKA1	Okayama	
OKA	Okayama	
OKA2	Okayama 2	
Osaka		
ABU	Abuyama	
KAJ	Kashiwara	
KTNK	Katano	
MYO	Myokensan	
OSK	Osaka	
OSA	Osaka	
TKU	Takayasuyama	OSK
O shima		
ESH	Esan	
HAK	Hakodate	
HAKJ	Hakodate 2	
JKB	Kayabe	
MOR	Mori	
JYM	Yakumo	
JYM2	Yakumo 2	
Rumoi		
HAB	Haboro	
RMJ	Rumoi	
JSS	Shosan	
TOI	Tomamai	
JYG	Yagishiri	
Ryukyu Islands		
JAGN	Aguni-jima	
JAMN	Amaminishikomi	
JAM	Amami Oshima	
JOGS	Gusukube	
HATJ	Hateruma jima	
JIH	Iheya	
JIKM	Ikemajima	
JIRB	Irabujima	
IRI	Irimote jima	
IRIF	Iriomote-Funauki	
ISI	Ishigaki jima	
JIJ	Ishigaki jima 2	
JISG	Ishigakijimahirakubo	
ISHJ	Ishigaki Ryukyu Islands	
JZK	Kikaishima	
JKDJ	Kitadaitoujima	
JKC	Kuchinoerabu	
KMJ	Kume jima	
JKE	Kume jima 2	
JOW	Kunigami	
JKRS	Kuro-shima	
MWS	Mawashi	
JMZ	Minamidaito 2	
MVI	Minamidaito jima	
JMJ	Miyako jima 2	
JMJ2	Miyako jima3	
MYK	Miyako zima	
NGO1	Nago	
NGO	Nago	
NAGO	Nago	
JNTH	Nagotoyohara	
NAH	Naha	
NAH1	Naha	
JNN	Nakanoshima	
NKE	Nake	
NZJ	Naze	
JOKE	Okinoerabujima	
JTAJ	Takarajima	
JJT	Tamagu	
JJT2	Tamagusuku 2	
JJT3	Tamagusuku3	
TAJ	Tanegashima	
TAJ2	Tanegashima 2	
JTN	Tanegashima 3	
JTJ	Tarama	
JTK	Tokunoshima	
YKS	Yaku shima	
JYAK	Yakushimahirauchi	
YOJ	Yonaguni jima	
JYJ	Yonaguni jima 2	
JYNG	Yonagunijimakubura	
Saga		
SAG	Saga	
Saitama		
CHJJ	Chichibu	
CHJ	Chichibu	
DDR	Dodaira	
JHU	Hanno	
IWT	Iwatsuki	
KOM	Komaba	
KMG	Kumagaya	
JRY	Ryogami san	
Shiga		
AM1	Amasugawa 1	
AM2	Amasugawa 2	
AZJ	Azai	
BHOK	Bomura	
JEG	Eigenji	
HIK	Hikone	
IBU	Ibuki Yama	
KNJD	Kanaihara	
KWJ	Kawai	
OHM	Omihachiman	
ORJ	Oura	
JTG	Taga	
Shimane		
FUB	Fube	
JGT	Gotsu	
HMD	Hamada	
JHIK	Hikimi	
JNM	Ikuma	
JISK	Izumosakaura	
JMD	Masuda	
MTS	Matsue	
JJO	Oda	
JOI	OKI	
SAI	Saigo	
JGT2	ShimaneMisato	
Shiribeshi		
AHS	Asahigawa	
NKS	Nakayama Pass	
JSK	Shakotan	
SUT	Suttsu	
SUT1	Suttsu	
Shizuoka		
AJI	Ajiro2	
JFNN	Fujinakano	
GTN	Gotemba	
JHMK	Hamakita	
HMM	Hamamatsu	
HMMJ	Hamamatsu 2	
HDAN	Heda	
HEDN	Heda	
HRG	Hirogawara	
ITO	Ito	
JHTM	Izuhatsuma	
JIZS	Izushimoda	
KGW	Kakegawa	
JKKG	Kakegawa	
JKKS	Kakegawashinomba	
KTJ	Kamata	
KTJJ	Kamata 2	
KTJ3	Kamata3	
KWZ	Kawazu	
KOY	Koyama	
MIZN	Minamiizu	
MSKJ	Misakubo	
MIS	Mishima	
MZI	Mizumiiro	
NGT	Nagatsuro	
NRME	Naramoto	
NGHE	Neginohata	
NRY	Nirayama	
NSI	Nishiizu	
NUM	Numazu	
OKB	Okabe	
OKN	Okuno	
OMA	Omae zaki	
JSG	Sagara	
SGRN	Sagara	
SGMN	Shimogamo	
SMK	Shimokamo	
SHZ	Shizuoka	
SHZJ	Shizuoka 2	
SHZ3	Shizuoka 3	
SUS	Susaki	
TNRJ	Tenryu	
TK01	Tokai 1	
TK02	Tokai 2	
TK03	Tokai 3	
TK04	Tokai 4	
YOS	Yoshiwara	
JYZW	Yoshizawa	
Sorachi		
JAB	Ashibetsu	
JHR	Hokuryu	
Soya		
JWK2	Keihoku	
JRR	Rishiri	
JSE	Soyaes	
JWK	Wakkake-Misaki	
WAK	Wakkanai	
WAKJ	Wakkanai	
Tochigi		
JAG	Ashikaga	
JHO	Hitachi	
KKGU	Kamikuga	
JKT	Katashina	
KBH	Kobugahara	
MGJ	Motegi	
OHJ	Ohira	
JSB	Shiboa	
UTSU	Utsunomiya	
UTS	Utsunomiya	
YMZ	Yamizo	
YMZU	Yamizo	
Tokachi		
JCH	Churui	
HOO	Hiroo	
HOOJ	Hiroo 2	
MYR	Moyori	
OBI	Obihiro	
URH	Urahoro	
Tokushima		
JAI	Aioi	
INMK	Ichinomiya	
ISIK	Ishii	
KMNK	Kaminaka	
KCY	Kuchiyama	
JMAF	Mimaanabuki	
TKS	Tokushima	
TKSJ	Tokushima 2	
TSS	Tsurugi yama	
WKJ	Wajiki	
Tokyo		
JAOM	Aogashimamukaizawa	
HHR	Hinohara	
HNG	Hongo	
HGJ	Hongo	
IIS	IISEE	
JMKN	Mikurajimanishikawa	
MTK	Mitaka	
JSKK	Shikinejimakita	
SIN	Shinagawa	
TOK	Tokyo	
JTHY	Toshimahigashiyama	
Tottori		
CZT	Chizu	
FOTD	Funaoka	
JKR	Kurayoshi	
KYTD	Kurayoshi	
SAA	Sakai	
SNTD	Shikano	
TOTJ	Tottori	
TTT	Tottori	
TOT	Tottori	
YON	Yonago	
YONJ	Yonago 2	
Toyama		
HKI	Fushiki	
KYJ	Kuroyon	
NRJ	Nirehara	
TOY	Toyama	
JTT	Ttatey	
Wakayama		
ARD	Arida	
HDK	Hidaka	
HNMJ	Hino-misaki	
KKW	Kainokawa	
KNJ	Kinomoto	KMT
KMT	Kinomoto	
KISE	Kishinomiya	
JWY	Kouya	
JWZ	Kozaga	
KMN	Kumano	
JWM	Minabe	
MTGE	Mitogawa	
OIS	Oishiyama	
OIA	Oishiyama (A)	
OIB	Oishiyama (B)	
OIC	Oishiyama (C)	
SKW	Shichikawa	
SHJ	Shiono misaki	
JTNC	Tanabenakahechi	
TDR	Todoroki	
WKU	Wakaura	
WKME	Wakayama	
WKY	Wakayama	
WKYJ	Wakayama 2	
JWKM	Wakayamakushimoto	
YGI	Yagi	
YAS	Yuasa	
Yamagata		
ATM	Atsumi	
JYA	Atsumi	
HRTT	Hiratsu	
JYK	Kaneyama	
JOU	Okura	
SAK	Sakata	
SKH	Sakata 2	
JYS	Shirataka	
JTB	Tobi-shima	
YAM	Yamagata	
YAMJ	Yamagata	
JYYZ	Yamagatayuza	
JYAR	Yonezawaarcadia	
Yamaguchi		
JHGM	Hagimishima	
JKD	Kudamatsu	
SHN1	Shimonoseki	
SHNJ	Shimonoseki 2	
SHN	Shimonoseki 3	
JTY	Toyota	
Yamanashi		
ENZ	Enzan	
FUJ	Fuji-kawa	
FUN	Funatsu	
HOKE	Hokigiyama	
ICY	Ichiyama	
KFU	Kofu	
KOF	Kofu	
KGN	Komagane	
JIZ	Nakaizu	
OKY	Okuyama	
OOM	Omiya	
JYN	Shimob	
SBJ	Shimobe	
JNT	Takato	
UMJE	Umejima	
Jawa		
BBJI	Bungbulang	
Jilin		
EN01	NECsaids, EN01	
EN02	NECsaids, EN02	
EN03	NECsaids, EN03	
EN04	NECsaids, EN04	
EN05	NECsaids, EN05	
EN07	NECsaids, EN07	
EN09	NECsaids, EN09	
EN12	NECsaids, EN12	
EN13	NECsaids, EN13	
EN17	NECsaids, EN17	
EN20	NECsaids, EN20	
EN21	NECsaids, EN21	
EN22	NECsaids, EN22	
EN23	NECsaids, EN23	
EW01	NECsaids, EW01	
EW03	NECsaids, EW03	
EW04	NECsaids, EW04	
EW05	NECsaids, EW05	
EW06	NECsaids, EW06	
EW07	NECsaids, EW07	
EW08	NECsaids, EW08	
EW09	NECsaids, EW09	
EW10	NECsaids, EW10	
EW11	NECsaids, EW11	
EW12	NECsaids, EW12	
EW13	NECsaids, EW13	
EW14	NECsaids, EW14	
EW15	NECsaids, EW15	
EW16	NECsaids, EW16	
EW17	NECsaids, EW17	
EW18	NECsaids, EW18	
EW19	NECsaids, EW19	
EW20	NECsaids, EW20	
EW21	NECsaids, EW21	
EW22	NECsaids, EW22	
EW23	NECsaids, EW23	
NS10	NECsaids, NS10	
NS11	NECsaids, NS11	
NS12	NECsaids, NS12	
Jordan		
AJLJ	Ajlon	
ARTJ	Al Aritein	
DRHJ	Al-Direh	
QRNJ	Al-Qirein	
SHBJ	Al Shahba	
HSUJ	Al Zarqa	

Code	Station Name	Other
ANJJ	Anjarah	
AQBJ	Aqaba	
GLFJ	Aqaba	
ASHJ	Ashqof	
BALJ	Balqa	
BYRJ	Bayer	
BURJ	Burma	
QTBJ	Casr Tuba	CSTJ
CSTJ	Casr Tuba	
DHLJ	Dahal	
JRDJ	Daraweish	
JDRJ	Daraweish	JRDJ
LISJ	El Lisan	
MASJ	El Maslubiya	
RUMJ	Er Rumman	
GHAJ	Ghor Haditha	
GHZJ	Ghuzeima	
HLBJ	Hallabat	
HMRJ	Hamra	
HMTJ	Hamta	
HSHJ	Hashim	
HITJ	Hittiya	
ASF	Jabal al Asfar	
JARJ	Jarash	
JRSJ	J Risha	
RSHJ	J Risha	JRSJ
KFNJ	Kafrein	
KARJ	KARJ	
KSHJ	Kshj	
HSNJ	Maan	
MKRJ	Makawir	
MRSJ	Marsad	
MDSJ	Mudaysisat	
MDRJ	Muduarah	
MUDJ	Muduarah	
JSOJ	Natural Resources Authority	
QTFJ	Qatafi	
QTRJ	Qatrana	
QUTJ	Qutrana	
NAQJ	Ras En-Naqb	
RUWJ	Ruweisid	
SHMJ	Saham	
SALJ	Salt	
SHWJ	Shawbak	
SULJ	Sultana	
SMAJ	Sumiya	
SWQJ	Swaqa	
UNJ	University of Jordan, Amman	
WMSJ	Wadi Mousa	
WALJ	Wala	
QRHJ		

Kamchatskaya Oblast'

BZP	Bezymyannyi-Pereval	
SBLV	Sobolevo	
UBL	Ust'-Bol'sheretsk	

Karabakh

HDR	Hadrut	
MTKZ	Martakert	
MTNZ	Martuni	
SUSZ	Shushi	
STKZ		

Karelia

KOST6	Kostomuksha	

Kazakhstan

ABKAR	Akbulak array	
AB31	Akbulak array site	
AB04	Akbulak array site	
AB03	Akbulak array site	
AB05	Akbulak array site	
AB08	Akbulak array site	
AB06	Akbulak array site	
AB07	Akbulak array site	
AB09	Akbulak array site	
AB01	Akbulak array site	
AB02	Akbulak array site	
AKB	Aktobe	
AKTK	Aktyubinsk	
AKTO	Aktyubinsk	
I31KZ	AKTYUBINSK INFRASONIC ARRAY REFERENCE POINT	
AA1	Alma-Ata	AAA
AAA	Alma-Ata	
KNDC	Almaty	
ARXS	Arharly	
BTLS	Baital	
BLB	Baldybastay	
MNBS	Baschi	
BAYK	Bayan-Aul	
BRZS	Berezniki	
BMNS	Besmoynak	
BRLS	Borolday	
BORK	Borovoye	
BRVK	Borovoye	
BVAR	Borovoye Array Beam Reference Point	
BVA0	Borovoye Array Site A0	
BVA1	Borovoye Array Site A1	
BVA2	Borovoye Array Site A2	
BVA3	Borovoye Array Site A3	
BVA4	Borovoye Array Site A4	
BVB5	Borovoye Array Site B5	
BVB6	Borovoye Array Site B6	
BVB7	Borovoye Array Site B7	
BVB8	Borovoye Array Site B8	
BVB9	Borovoye Array Site B9	
BUGS	Bugetsay	
CHL	Chilik	
CHM	Chimkent	
TCH	Chimkent	CHM
CHK9	Chkalova array site	
CHK7	Chkalova array site	
CHK4	Chkalova array site	
CHK8	Chkalova array site	
CHK6	Chkalova array site	
CHK5	Chkalova array site	
CHKZ	Chkalovo	
CHMS	Chumysh	
CHKK	Chushkaly	
DGS	Degeres	
FAB	Fabrichnaya	
ILI	Ili	
IUG	Iuzhnay	
IZV	Izvestkoviy	
JBG	Jabagly	
DJR	Jarkent	
KAPS	Kapalarasan	
KRBS	Karabastau	
KKAR	Karatay Array	
KK02	Karatay Array site	
KK08	Karatay Array site	
KK07	Karatay Array site	
KK09	Karatay Array site	
KK06	Karatay Array site	
KK05	Karatay Array site	
KK01	Karatay Array site	
KK31	Karatay Array site	
KK04	Karatay Array site	
KK03	Karatay Array site	
KTBS	Karatobe	
KKL	Karkaralinsk	
KASK	Kaskelen	
KST	Kastek	
KTMS	Ketmen	
KPKS	Kokpek	
KNOS	Konyrlen	
KOSH	Koshkarbay	
KOTS	Kotyrbulak	
KRS	Krasnogorka	
KURS	Kuram	
KURK	Kurchatov	
KURBB	Kurchatov Array	
KUR01	Kurchatov Array Site 1	
KUR10	Kurchatov Array Site 10	
KUR11	Kurchatov Array Site 11	
KUR12	Kurchatov Array Site 12	
KUR13	Kurchatov Array Site 13	
KUR14	Kurchatov Array Site 14	
KUR15	Kurchatov Array Site 15	
KUR16	Kurchatov Array Site 16	
KUR17	Kurchatov Array Site 17	
KUR18	Kurchatov Array Site 18	
KUR19	Kurchatov Array Site 19	
KUR02	Kurchatov Array Site 2	
KUR20	Kurchatov Array Site 20	
KUR21	Kurchatov Array Site 21	
KUR03	Kurchatov Array Site 3	
KUR04	Kurchatov Array Site 4	
KUR05	Kurchatov Array Site 5	
KUR06	Kurchatov Array Site 6	
KUR07	Kurchatov Array Site 7	
KUR08	Kurchatov Array Site 8	
KUR09	Kurchatov Array Site 9	
KRD	Kurday	
KRM	Kurmenty	
KUU	Kurty	
KGSKZ	Kyrgizsay	
KZAKZ	Kzylasker	
LNSK	Leninskoye	
MTBS	Maitube	
MAKZ	Makanchi	
MKAR	Makanchi Array Beam Reference Point	
MK03	Makanchi Array site	
MK09	Makanchi Array site	
MK31	Makanchi Array site	
MK02	Makanchi Array site	
MK06	Makanchi Array site	
MK08	Makanchi Array site	
MK05	Makanchi Array site	
MK01	Makanchi Array site	
MK04	Makanchi Array site	
MK07	Makanchi Array site	
MK32	Makanchi Array site	
MDOK	Medeo	
MRKS	Merke	
OTUK	Ortayu	
USP	Ospenovka	
PDGK	Podgornoye	
KZAG	Qyzylaghash	
SATY	Saty	
SEM	Semipalatinsk	
SHLS	Shalkode	
SHLK	SHOLAK	
SGDS	Sogindy	
TDK	Taldyqorghan	
AAB	Talgar	TLG
AA2	Talgar	TLG
TLG	Talgar	
DZA	Taraz	
TNSS	Tian-Shan	
TKMK	Tokmak	
TKM2	Tokmak 2	
TUR	Turbat	
TGN	Turgen	
UZB	Uzynbulak	
VOS	Vostochnaya	VOSK
VOSK	Vostochnaya	
VOS7	Vostochnaya array site	
VOS4	Vostochnaya array site	
VOS9	Vostochnaya array site	
VOS8	Vostochnaya array site	
VOS5	Vostochnaya array site	
VOS6	Vostochnaya array site	
ZSN	Zaisan	
ZRNK	Zerenda	
ZRN7	Zerenda array site	
ZRN5	Zerenda array site	
ZRN4	Zerenda array site	
ZRN8	Zerenda array site	
ZRN9	Zerenda array site	
ZRN6	Zerenda array site	
ZHN	Zhnishke	

Kemerovskaya Oblast'

ERU	Erunakovo, Kuzbass, Russia	
KALT1	Kaltan 1	
KALT2	Kaltan 2	
KALT3	Kaltan 3	
KOST	Kostenkovo, Kuzbass, Russia	
KOTO	Kotino, Kuzbass, Russia	
MALIN	Malinovka, Kuzbass, Russia	
TAIL	Tailep, Kuzbass, Russia	
VCHU	Verkh-Chumysh, Kuzbass, Russia	

Khabarovskiy Kray

CHMR	Chegdomyn	
VNNR	Vanino	

Komi

GRVA	Griva	
PZHG	Pozheg	

Krasnodarskiy Kray

AHMR	Akhmetovskaya	
GELR	Gelenjik	
GLDR	Gladkovskiy	
GRYR	Gornoye	
GOYR	Goytkh	
LZRR	Lazarevskoye	
MRNR	Maryino	
SRGR	Sergiyevskiy	
SPGR	Shapsug	
SUKR	Sukko	
TMNR	Tamanskiy	
VSLR	Vesyoloye	

Kuwait

NAY	Al-Naaiem	
QRN	Al-Qurain	
RDF	Al-Radifah	
FKI	Failaka Island	
KBD	Kabd	
MIB	Mutribah	
UMR	Umm Al-Rimmam	
RST	Umm Al-Ruwaisat	

Kyrgyzstan

ASAI	AK-SAY(Kyrgyzstan)	
AAK	Ala-Archa	
AML	Almayashu	
ANVS	Anan'yevo	
ARLS	Aral	
ARK	Arkit	
ARSB	Arslanbob	
BTK	Batken	
BGK	Belogorka	
BGK2	Belogorka 2	
FRU1	Bishkek	
FRU	Bishkek	
BOOM	Boomskoye uschel'e	
CHVK	Chauvay	
ENEL	Enilchek, Kyrgyzstan	
EKS	Erkin-Say	
EKS2	Erkin-Say	
KDJ	Kajisay	
KBK	Karagaybulak	
DRK	Karamyk	
KRUK	Karasu	
KZA	Kyzart	
KZAD	Kyzyl-Adyr	
MNAS	Manas	
MRZ1	Merzbaher-Enilchek	
NRN	Naryn	
OTK	Orto-Tokoy	
OHH	Osh	
PRZ	Przheval'sk	
RYB	Rybach'ye	
SALK	Salom-Alik	
SFK	Sufi-Kurgan	
TARG	Taragay, Kyrgyzstan	
TRKS	Terek-Say	
TOKL	Toktogul	
UCH	Uchtor	
ULHL	Ulahol	

Lebanon

BEIL	Beino	
BEYL	Beirut	
BHL	Bhannes	
SHBL	Chebaa	
DQRL	Deir Qamar	
DWR	Dweir	
FKH	Fakeheh	
HWQ	Hawqa	
BARBL	Kfar Habou, BARB	
KSA	Ksara	
MATL	Matarih	
NAQL	Naqoura	
QRWL	Qaraoun	
QSB	Qsaybeh	
RCY	Rachaya	
ZAHL	Zahle	

Leningradskaya Oblast'

PAW	Pawlowsk	

Luzon

CICP	Calayan Island, Cagayan	
CAAP	Casiguran, Aurora	
RTBP	Dona Remedios Trinidad, Bulacan	
IBZP	Iba, Zambales	
LBLP	Los Banos, Laguna	
MACP	Maragondon, Cavite	
SAMP	Sagada Mountain Province	
SCSP	San Jose Seismic Satellite Station	

Madhya Pradesh

GUNA	GUNA	
NRDN	NARMADA NAGAR	

Magadanskaya Oblast'

GADL	Gadlja	
TLON	Talon	

Malaysia

Peninsular Malaysia

DSRI	Dabo	
IPM	Ipoh	
FRIM	Kepong	
KGM	Kluang	
MYKOM	Kota Tinggi	
KLM	Kuala Lumpur	
KTMY	Kuala Trengganu	KTGM
KTGM	Kuala Trengganu	
KULM	Kulim	

Sabah

KKM	Kota Kinabalu	
KDM	Kudat	
MYLDM	Lahad Datu	
SDKM	Sandakan	
TSM	Tawau	

Sarawak

BTM	Bintulu	
KSM	Kuching	
SBUM	Sibu	

Maldives

HMDM	Hanimaadhoo	
KAAM	Kaadhehdhoo	

Manipur

TAME	Tamenglong	

Mindanao

BTTP	Bongao, Tawi-Tawi	
CDOP	Cateel, Davao Oriental	
GLSP	General Luna, Surigao del Norte	
TASP	Talacogon, Agusan del Sur	

Mongolia

BYO	Bayan-Olgiy	
BLGM	Bulgan	
DZD	Dalandzadgad	
EBM	Esen Bulak	
HTG	Hatgal	
HBD	Hovd	
SONM	Songino Array Beam Reference Point	
SONA0	Songino Array Site A0	
SONA1	Songino Array Site A1	
SONA2	Songino Array Site A2	
SONA3	Songino Array Site A3	
SONA4	Songino Array Site A4	
SONB1	Songino Array Site B1	
SONB3	Songino Array Site B3	
SONB4	Songino Array Site B4	
SONB5	Songino Array Site B5	
SONB2	Songino Ar. Site	
I34MN	SONGINO INFRASONIC ARRAY REFERENCE POINT	
TSC	Tosontsengel	
TTS	Tsetserleg	
ULN	Ulaanbaatar	
ULG	Ulaangom	
OBM	Ulan Bator	
UB2M		
UB0M		
UB9M		
UB8M		
MO8M		
UB7M		
MO7M		
UB6M		
UB5M		
MO5M		
UB4M		
UB3M		
UB1M		
DZBM		
UNTM		
MGDM		
ALFM		
SEMM		
UGDM		
IVGM		
ARTM		

Murmanskaya Oblast'

KVDA	Kovda	
TERR	Teriberka	
PRVG	Vayda Guba	

Myanmar

MND	Mandalay	
MORE	Moreh	
NPW	Naypyitaw	
RAN	Rangoon	
SIMRM	Sittwe	

Negros

CNOP	Candoni, Negros Occidental, Philippines	

Nepal

BADN	Badegauja	
BAYN	Bayana	
BHMN	Bhimchula	
BIRA	Biratnagar	
BUNG	Bungee Jump	
CHA	Chatra	
DMN	Daman	
DANN	Dangsing	
EVN	Everest	
GBAN	Gaibana	
GAIG	Gaighat	
GJRN	Ganjari	
GNKN	Gaynekanda	
GHAN	Ghanteswor	
GKN	Gorkha	
GUN	Gumba	
HARN	Harre	
HILE	Hile	
ILAN	Ilam	
JANA	Janakpur	
JIRI	Jiri	
JIRN	Jiri	
KKN	Kakani	
KOLN	Koldanda	
LGAT	Lohaghat	
MEGN	Megha	
NAMC	Namche Bazar	
ODAN	Odare	
PHAP	Phaplu	
PHID	Phidim	
PKIN	Phulchoki	
PYUN	Piuthan	
PKI	Pulchoki	
PUSN	Pusma	
RAMN	Ramite	
RUMN	Rumjataar	
SINN	Sindhuli	
SUKT	Sukute	
TAPN	Taplejung	
THAK	Thakurichhap	
TLIN	TLI	
TUML	Tumlingtar	

Niigata

JUON	Uonuma	

Oman

ARQ	Araqi	
ASHO	Ashiyiah	
ABTO	Aybut	
BANOM	Banah	

Code	*Station Name*	*Other*
BIDO	Bidbid	
BSYO	Bisya	
BSY	Bisya	
HADO	DHOFAR2 - YR	
ABAY	DHOFAR2 - YR	
ADHO	DHOFAR2 - YR	
AYDO	DHOFAR2 - YR	
TQHO	DHOFAR2 - YR	
AYNO	DHOFAR2 - YR	
SOOO	DHOFAR2 - YR	
DAHO	DHOFAR2 - YR	
HASO	DHOFAR2 - YR	
HAYO	DHOFAR2 - YR	
MDYO	DHOFAR2 - YR	
MUGO	DHOFAR2 - YR	
NNMO	DHOFAR2 - YR	
SAHO	DHOFAR2 - YR	
RAHO	DHOFAR2 - YR	
QALY	DHOFAR2 - YR	
AASHO	DHOFAR2 - YR, ASHO	
ABANO	DHOFAR2 - YR, BANO	
ADMTO	DHOFAR2 - YR, DMTO	
AGDR	DHOFAR2 - YR, GDR	
AMADO	DHOFAR2 - YR, MADO	
ASAY	DHOFAR2 - YR, SAY	
ASHIO	DHOFAR2 - YR, SHIO	
DS11	DHOFAR - XZ	
DS07	DHOFAR - XZ	
DS02	DHOFAR - XZ	
DS08	DHOFAR - XZ	
DS09	DHOFAR - XZ	
DS05	DHOFAR - XZ	
DS10	DHOFAR - XZ	
DS01	DHOFAR - XZ	
DS03	DHOFAR - XZ	
DS04	DHOFAR - XZ	
DS06	DHOFAR - XZ	
DMTO	DMTO	
DOK	Doka	
DQM	DQM	
HOQ	Hoqain	
JMDO	Jabal Madar	
JLN	Jalan Bani Buhassan	
KTMO	Khatum	
MDH	Madha	
MHTO	MHTO	
QHRO	Qairoon Hariti	
RBK	Rabkut	
SMDO	Samad	
SHAO	Shalim	
SOHO	SOHO	
SQUM	Sultan Qaboos University, Muscat	
WBK	Wadi Bani Khalid	
WHFO	Wadi Hawf	
WSAR	Wadi Sarin	
Orenburgskaya Oblast'		
BT2	Baytugan-2	
TLKV	Tolkaevka	
Orissa		
BADS	Badasada Odisha,India	
BDRD	Badogoroda	
DEGN	Deogaon,Odisha	
GPUR	Gopapur,Odisha	
GNZP	Gunzipadi	
JHSG	JHARSUGUGA	
JNKA	Junkia	
KNJR	Keonjhar	
KULE	Kulei Odisha,India	
LHSG	Loharsingha	
MHDR	Mahidharpur,Odisha	
MHNG	Mohangiri	
MSKL	Muskil	
PABN	Pabitra Nagar,Odisha	
PADA	Padmapur Odisha,India	
PATN	Patnagarh Odisha,India	
RAJA	Rajamunda Odisha,India	
RANK	Rankasinga Odisha,India	
RAGD	RAYAGADA	
SHLP	Siplipahar	
SRBH	Sirabahal	
SRDN	Sording	
SUKL	Sukala	
VTBH	Vuterbahal	
Pakistan		
AMB1	Ambar	
AMP	Ambar	
CAM2	Attock	
BGP	Bagra	
BLKT	Balakot	
BASHA	Basha	
BSM1	Besham	
CBP	Campbellpur	
CKP	Chanarkot	
CPA	Chapri	
CHER	Cherat	
CEP	Cherat	
CHCP	Chirah Chowk	
CHT1	Chitral	
CHTL	Chitral	
DAR1	Darband	
DBP	Darband	
DRL	Darel	
KMD1	Dasu	
DRP	Derazinda	
DHO	Dhodishal	
DAM1	Diamer-Basha	
GLGT	Gilgit	
HNL1	Hanuchal	
HAR1	Harban	
ISBA	Islamabad	
DDJ	Jaglot	
KAR	Karachi	
KCHI	Karachi	
KHS1	Khanabri	
KHB1	Khanabri-I	
KHI1	Khiner	
KHUZ	Khuzdar	
KIA	Kiara Terrace	
LAH	Lahore	
MNL	Mangla	
NAT1	Nathian	
NTP	Nathian	
NIL	Nilore	
PAK0	Pari Array Site 0	
PPS1	Pattan	
PES	Peshawar	
PSH	Peshawar	
QIB	Qibla Bandi	
QUE	Quetta	
QTA	Quetta	
QUET	Quetta	
RBH	Right Bank House--Pihur	
SAD	Saidpur	
SARP	Sargodha	
SHN2	Shangus	
SBDP	Sheikh Budin	
SIP	Shinkiari	
SHI1	Shinkiari	
SHO1	Shori	
SKR1	Skardu	
SWR	Swabi-Maira	
SWM1	Swabi Mera	
TRB	Tarbela	
TAR2	Tarbela	
TBLA	Tarbella	
THW	Thamme Wali	
THO1	Thor	
TURB	Turbat	
UMKT	Umerkot	
KMN1	Usha	
UTL	Utla	
WRS	Warsak Dam	
ZHOB	Zhob	
Palestine Territories		
UJAP	Al Uja	
SALP	Salfit	
Peninsular Malaysia		
BHSMM	Behrang	
BMSMM	Bukit Katil	
JRMM	Jerantut	
Permskiy Kray		
BRK30	Berezniki,	
Philippines		
Batan Islands		
BAP*	Basco	
BBP	Basco	
Cebu		
CCP	Cebu City	
LLP	Lapu-Lapu	
MAP	Mactan	
TBP	Tagbilaran	
Leyte		
MSLP	Maasin	
OCLP	Ormoc	
PLP	Palo	
Luzon		
AMB	Ambulong	
ARP	Angono	
BAF*	Baguio	
BAG	Baguio City	
BCP	Baguio City	
BCPH	Baguio City Dairy Farm	
BWP	Baguio Weather Station	
BALP	Baler	
BNP	Banawang	
BTP	Batelco	
NZB	Bigte	
BOAC	Boac	
BOLP	Bolinao	
VBU	Buco	
VBN	Bulusan	
CVP	Callao Caves	
CAUP	Cauayan	
APYP	Conner	
ABRA	Dolores	
SGCP	Gonzaga	
INF	Infanta	
LEG	Legaspi	
LGP	Legaspi	
VLH	Lignon Hill	
LYP	Liyang	
LBPH	Los Banos	
LQP	Lukban	
MAN	Manila	
MMPH	Masbate	
MATI	Mati	
VMR	Mayon Resthouse	
VMS	Misericordia	
MNP	Morong	
NBP	Mount Natib	
MSP	Mount Santo Tomas	
OTPR	Odiongan	
PALP	Palanan	
PCPH	Palayan	
PEP	Pantabangan	
PIP	Pasuquin	
PINP	Pinatubo--East Slope	
VPP	Pira-Piraso	
POLP	Polilio Island	
PAZ	Puerto Azul	
QAD	Quadrado	
QCP	Quezon City	
QVP	Quezon City--PHIVOLCS	
QVPH	Quezon City--PHIVOLCS	
AUQP	San Andres	
SBPH	San Jose del Monte	
SMPP	San Manuel, Pangasinan, Philippines	
SZP	Santa	
SCZP	Santa Cruz	
SBP	Subic Bay	
CALP	Taal Volcano	
TGY	Tagaytay City	
TAY	Tayabas	
TQP	Tayabas	TAY
TLP	Tuguegarao	
UMS	Upper Santa Misericordia	
PVCP	Virac	
LUK		
Mindanao		
SKMP	Bagumbayan, Sultan Kudarat, Philippines	
BIPH	Bislig	
BIP	Bislig	
BTN	Butuan	
BUTP	Butuan	
CGP	Cagayan de Oro	
OMP	Cagayan Oro	CGP
CTB	Cotabato	
CTBH	Cotabato--PC Hill	
DAP	Davao	
DMPH	Davao City--Mintal	
DAV	Davao City (W)	
DWP	Davao Weather Station	
DIP	Dipolog	
DCPH	Dipolog City	
DDMP	Don Marcelino, Davao Occidental, Philippines	
GTP	General Santos	
GSPH	General Santos City	
VHH	Hibok Hibok	
IPIL	Ipil	
KCP	Kidapawan	
MAM	Mambajao	
MPP	Mount Pasian	
BUKP	Musuan	
PAGZ	Pagadian	
PPH	Pasian Peak	
SGSI	Sangihe	
SNPH	Sibulan	
SCPH	Surigao	
ZMP	Zamboanga	
ZMPH	Zamboanga City	
Mindoro		
ABP	Abra de Ilog	
LUBP	Lubang	
PGP	Puerto Galera	
SJMP	San Jose	
Negros		
VCB	Cabagna-an	
VCN	Canlaon	
Palawan		
BATP	Bataraza	
BUSP	Coron	
CUYO	Cuyo Island	
ENPP	El Nido	
PPR	Puerto Princesa	
Panay		
AAP	Anini-y	
ILO	Iloilo	
GUIM	Jordan	
KALP	Kalibo	
OTRP	Odiongan	
PDP	Pandan	
PAP	Pandan	
RCP	Roxas	
ABPP	Abucay Bataan Peninsula	
SIPH	Barangay Tapao	
SIPP	Brgy, Tapao	
GHBP	Garcia Hernandez, Bohol	
GQP	Guinayangan	
IBAJ	Ibajay, Aklan	
VBIH	Ingaladian Volcano Observatory	
JCNP	Jose Panganiban, Camarines Norte	
LSIP	Lazi, Siquijor	
PACPP	Pamplona Cagayan	
VGTI	Salacafe	
JAP	San Jose, Antique	
SHMP	Susana Heights	
TABP	Talibon, Bohol	
ZCP	Zamboanga City	
Samar		
BESP	Borongan	
CNP	Catarman	
Primorskiy Kray		
PLTR	Poltavka	
PSTR	Posyet	
Punjab		
CGRH	CHANDIGARH	
Qatar		
SMRA	Abu-Samra	
GHRH	Al-Ghuwayriyah	
KHOR	Al-Khor Airport	
SHMA	Al-Shehemyia	
MASF	Masafi	
TRNA	Turayna	
Rajasthan		
BKNR	BIKANER	
SRGN	SRI GANGA NAGAR	
Republic of Korea		
KSADO	Andong	
KSAND	Andong	
ADOA	Andong Acc Borehole	
AGSA	Angseong	
ANMD	Anmado	
KSANM	Anmyeondo	
KSBAR	Backryungdo	
KSBRD	Baengnyeongdo	
BLGA0	Beolgok	
BGDB	Bigeumdo	
KSBON	Boeun	
KSCHY	BONGHWA	
KSPOR	Boryeong	
PORA	Boryeong	
BOSB	Boseong-gun	
KSPUA	Buan	
BURB	Buron	
KSBUS	Busan	
KSBSA	Busan_acc	
BUSA	Buseok	
BUYB	Buyeo	
KSBUY	BUYEO	
BLLA0	Byeollyang	
KSCHR	CHANGNYEONG	
KSCEA	Cheonan	
CGDA	Cheongdo	
CGIA	Cheongil	
KSCEJ	CHEONGJU	
CSDB	Cheongsando	
OKCB	Cheongsan-myeong	
KSCHS	CHEONGSONG	
CGYA	Cheongyang	
KSCWO	Cheorwon	
KSCHW	Cheorwon	
KSCIG	Chilgok	
CJD	Chujado	
KSCHC	Chuncheon	
KSCHJ	Chungju	
CGUB	Chungun	
CHYB	Chungyang	
CJDB	Chunjangdae	
KSCPN	Chupungnyeong	
KSCPR	CHUPUNGNYEONG	
DACB	Daecheong-do Republic of korea	
KSDAG	Daegu	
KSDGY	Daegwallycong	
KSTEJ	Daejeon	
DNBA	Danbuk	
KSDAU	Deagu-acc	
DUSB	Deogyusan	
KSDEI	Deokjeokdo	
KSDDC	Dongducheon	
KSTOH	DONGHAE	
DGHA	Donghyang	
DGLA	Dongro	
DKSA	Duksan	
ECDB	Euchungdo	
EMSB	Eumseong	
GDDB	Gadeokdo	
GACA	Gaecheon	
GGDB	Gageodo	
GGDA	Gangdong	
GGGA	Ganggu	
KSGAH	Ganghwa	
YAYA	Ganghyeon	
KSKAN	Gangneung	
KAW	Gangneung Acc Borehole	
KSGSG	Gangseo	
GAPB	Gapyeong	
KSKCH	Geochang	
KSKUC	Geochang	
GEJB	geojin	
GMDB	Geomundo	
GMNA0	Geumnam	
KSMSA	Geumsan	
GIGA	Gigye	
KSGIC	Gimchen	
GMHB	Gimhwa	
GMPB	Gimpo	
GOCB	Gochang-gun	
KSKOH	Goheung	
KSKOJ	Gongju	
KOJ2	Gongju-si	
KSGOS	Gosan	
GOS2	Gosang-Q330s	
GOS1	Gosan-ri	
KOSB	Goseong	
KSGUM	GUMI	
KSKUS	Gunsan	
KSGUS	GUNSAN	
GUWB	Gunwi	
KSKWJ	Gwangju	
KSGWJ	Gwangju-acc	
GWYB	Gwangyang	
GSNA	Gyeongjusannae	
KSGBI	Gyogryolbido	
KSHAD	HADONG	
HANB	Haenam	
KSHAN	Haenam	
HAIA	Hail	
HALB	Hallimjungang-ro	
HMPA	Hampyeong	
HAMB	Hamyang	
KSHAC	HAPCHEON	
HACA	Hapcheon Acc Borehole	
KSHUK	Heuksando	
HUK2	Heuksan-myeon	
HOES	Hoengseong	
HMGA	Homigot	
HOCA	Hongcheon	
HGDB	Hongdo	
HWCB	Hwacheon	
HWCA	Hwacheon Acc Borehole	
HAWB	Hwaseong-si	
HAWA0	Hwawon	
KSICN	Icheon	
IKSA	Iksan Acc Borehole	
ISGB	Iksangeumgang	
KSIMS	Imsil	
IMWB	Imwonan-gil	
KSINC	Incheon	
INCN	Inchon	
INC	Inchon	
KSIJA	INJE	
IJAA	Inje Acc Borehole	
IJBA	Injebuk	
KSJAH	Jangheung	
KUJA	Jangpyeong	
KSJAS	Jangsu	
KSJEC	Jecheon	
JECH	Jecheon	
KSJJU	Jeju	
KSJEU	Jeongeup	
JEJB	Jeongja	
KSJES	JEONGSEON	
KSCHO	Jeonju	
KSJEO	Jeonju	
JNPA	Jeungpyeong Acc Borehole	
KSJDO	Jindo	
JNHA	Jinhae	
KSCHI	Jinju	
KSJIN	Jinju	
JNYA	Jinyeong	
JODB	Jodo	
JUCA	Juchon	
KSJMJ	Jumunjin	
KSJUR	Jungrangju	
KSKMS	Keumsan	
KOHB	KOHEUNG	
KSRS	Korea Array	
GODA	Kyodong	
MALA0	Maryeong	
KSMAS	Masan	
MMD	Meamuldo	
KSMIY	MIRYANG	
MSNA0	Miryangsannae	
MIYA	Miryang-si	
KSMOP	Mokpo	
KSMOK	Mokpo	
KSMAN	Muan gun	
SMKB	Mukjeong-gil	
MLGA	Mulgeum	
KSMUG	Mungyeong	
KSMGY	Mungyeong	
MNYD	Munyeodo	
KSMUS	Musan	
PYCA	Myeonon	
NACA	Naecho	
NCNA	Naechon	
NAMB	Naemyeon	
KSNAJ	Naju	
KSNAH	Namhae	
KSNAW	Namwon	
NAWB	Namwon	
NJDA	Nanjido	

Code	*Station Name*	*Other*
NLDA	Narodo	
KSNOW	Nowan	
OYDB	Oeyeondo	
OKEB	Okgye-meyeon	
KSPHA	Pohang	
KSPOH	Pohang	
PHN	Pohang	
PUS	Pusan	
KSPYC	Pyeongchang	
PYTK	Pyeongtaek	
KSGWL	Sabuk	
KSSAC	SANCHEONG	
KSSAJ	Sangju	
SGMA	Sangmyun	
KSSGP	Seogwipo	
SEHB	SEOHWA	
KSSSP	Seongsanpo	
KSSES	Seosan	
KSSEO	Seoul	
SEO	Seoul	
SMWA	Shimwon	
SHHB	Siheung-si	
SNGB	Singi	
KSSKC	Sokcho	
KSSOC	Sokcho	
KSSOD	Songwoldong	
SUBA	Subi	
SUCA	Sunchang	
KSSCH	SUNCHEON	
SWO2	Suwon	
KSSWO	Suwon	
SYU	Syuhurei	
TANB	Taean	
KSTBA	Taebaek	
TAE	Taegu	
TAHA	Taeha	
TJN	Taejon	
TAIA	Teain	
KSTOY	TONGYEONG	
UDO0	Udo	
EURB	Uiryeong-eup	
EUSB	Uiseong	
KSULJ	Uljin	
UJN	ULJIN	
KSULL	Ulleungdo	
ULDR	Ulleungdo	
ULLB	Ulleungdo bore hole	
UL1	ULLUNGDO	
ULDB	Ullung-do Borehole	
KSULS	Ulsan	
KSUSN	Ulsan	
KSEUS	ULSEONG	
UNCA	Ungchon	
KSWAN	Wando	
WAN2	Wando-Q330s	
KSWON	Wonju	
KSWJU	Wonju	
KSAR	Wonju Array Beam Reference Point	
KS01	Wonju Array Site 1	
KS10	Wonju Array Site 10	
KS11	Wonju Array Site 11	
KS12	Wonju Array Site 12	
KS13	Wonju Array Site 13	
KS14	Wonju Array Site 14	
KS16	Wonju Array Site 16	
KS17	Wonju Array Site 17	
KS18	Wonju Array Site 18	
KS19	Wonju Array Site 19	
KS02	Wonju Array Site 2	
KS03	Wonju Array Site 3	
KS32	Wonju Array Site 32	
KS33	Wonju Array Site 33	
KS34	Wonju Array Site 34	
KS35	Wonju Array Site 35	
KS36	Wonju Array Site 36	
KS37	Wonju Array Site 37	
KS04	Wonju Array Site 4	
KS05	Wonju Array Site 5	
KS06	Wonju Array Site 6	
KS07	Wonju Array Site 7	
KS08	Wonju Array Site 8	
KS09	Wonju Array Site 9	
KS15	Wonju Array Sites 15 and 31	
YAPA	Yangpyeong	
KSYAP	YANGPYEONG	
YAYB	Yangyang	
YALB	Yaro	
KSYCH	Yecheon	
YNCB	YEONCHEON	
YOA0	Yeongam	
YOCB	Yeongcheon	
KSYOC	YEONGCHEON	
KSYOD	Yeongdeok	
YODB	Yeongdeok	
YENG	Yeonggwang	
KSYOJ	YEONGJU	
KSYOW	Yeongwol	
YEYB	Yeongyang	
YPDB	Yeonpyeongdo	
KSYOS	Yeosu	
KSYSU	YEOSU	
YNDB	Yeoundo	
YSAB	Yesan	
YKDB	Yokjido	
YGAA	Yongam	
YINB	Yongin	
YGJA	Yongjeong	
YJD	YOUNGJONGDO	
YOJB	Youngju	
YUGA	Yugu	
Russia		
Altayskiy Kray		
AKAR	Aktash	
ARDR	Aradan	
ARTR	Artybash	
CUR	Chagan-Uzun	
CHBI	Chibit, Altay Republic, Russia	
ELDR	Elanda	
ELT	Eltsovka	
ELT0	Eltsovka	
GALT	Gorno-Altaysk, Altai Republic, Russia	
DGZ	Jazzator, Altay Republic, Russia	
KTNR	Kaitanak	
SLNR	Muhor-Tarhata, Altay Republic, Russia	
SALR	Pechorkino, Salair, Kemerovskaya Oblast', Russia	
TUNR	Tungur	
ULGR	Ulagan, Altay Republic, Russia	
UKR	Ust'-Kan	
YALR	Yailyu, Altay Republic, Russia	
ZAL	Zalesovo	
ZAA0	Zalesovo Array Site A0	
ZAA1	Zalesovo Array Site A1	
ZAA2	Zalesovo Array Site A2	
ZAA3	Zalesovo Array Site A3	
ZAB1	Zalesovo Array Site B1	
ZAB2	Zalesovo Array Site B2	
ZAB3	Zalesovo Array Site B3	
ZAB4	Zalesovo Array Site B4	
ZAB5	Zalesovo Array Site B5	
ZALV	Zalesovo Beam	
I46RU	ZALESOVO INFRASONIC ARRAY REFERENCE POINT	
Amurskaya Oblast'		
BMKS	Bomnak	
BMKR	Bomnak	
IMNS	Imangra	
KHNS	Khani	
KHY	Khatystyr	
KROS	Kirovskiy	
OCTB	Oktyabr'skiy	
RMNS	Romny	
TOK1	Tok Station 1	
TOK2	Tok Station 2	
TOK3	Tok Station 3	
TOK4	Tok Station 4	
TUG	Tungurcha	
USZ	Ust'-Nyukzha	
UURS	Ust' Urkima	
YASR	Yasnyy	
YASS	Yasnyy	
ZEA	Zeya	
Arkangel'skaya Oblast'		
LSH	Leshukonskoye	
PRGR	Permogore	
Arkhangel'skaya Oblast'		
AMDE	Amderma	
AMD	Amderma	
ARHR	Arkhangelsk	
KHE	Kheis	
KLMR	Klimovskoe	
SLVR	Solovky	
TMCR	Tamitsa	
ZFI	Zemlya Franca-Iocifa	
ZFI2	Zemlya Franca-Iocifa2	
Bashkortostan		
UFA	Ufa	
Buryatiya		
ALLA	Alla	ALL
ALL	Alla	
ANGR	Angarakan	
BTMB	Babushkin	
BGZ	Barguzin	
BDN	Bodon	
BRHS	Bolshoi Rechka	
FFNB	Fofonovo	
KAB	Kabansk	
KPC	Khapcheranga	
HRMR	Khuramsha	
KELR	Kotokel	
KVO	Kovokta	
KMO	Kumora	
KUM*	Kumora	KMO
KYA	Kyakhta	
MXMB	Maximikha	
MOY	Mondy	
NLY	Nelyaty	
NIZ	Nizh Angarsk	
ORA	Oran	
ORL	Orlik	
OZE	Ozernaya	
SVBS	Severo-Baykalsk	
SVKR	Severomuysk	
SVK	Severo-Muysk	
STDB	Stepnoy Dvorets	
SYVR	Suvo	
TNL	Tonnelnyy	
ZIP	Tsipikan	
TNKS	Turikan	
TRTB	Turuntaevo	
TRTS	Turuntaevo, Baikal	
UKT	Uakit	
UUDB	Ulan-Yde	
YLYR	Ulyunkhan	
YOA	Uoyan	
ZAK	Zakamensk	
ZRHB	Zarechye	
ZRH	Zaryechye, Baikal	
Chechnya		
GRO	Groznyy	
DVE	Vedeno	
Chitinskaya Oblast'		
CIT	Chita	
NLYR	Nelyaty	
SRK	Sredniy Kalar	
TUP	Tupik	
Dagestan		
AKT	Akhty	
ARKR	Arakani	
BTLR	Botlikh	
BUJR	Buynaksk	
DRN	Derbent	
DBC	Dubki	
DLMR	Dylym	
GNBR	Gunib	
KRNR	Karanay	
KSMR	Kasumkent	
XNZR	Khunzakh	
KMKR	Kumukh	
MAK	Makhachkala	
MNSR	Manas	
SGKR	Sergokala	
UKTR	Uchkent	
UNCR	Uncukul	
URKR	Urkarakh	
Irkutskaya Oblast'		
ARS	Arshan	
BAY	Bayanday	
BOD	Bodaibo	
BGT	Bolshoye Goloustnoye	
CRS	Chara	
IRK	Irkutsk	
IVK	Ivanovka	
LSTR	Listvyanka	
OGRR	Ongureny	
SOL	Solontsovaya	
TLY	Talaya	
TANS	Tal'yany, Baikal	
TRG	Tyrgan	
Kaliningradskaya Oblast'		
KLNR	Kaliningrad	
KNG	Konigsberg	
Kaluzhskaya Oblast'		
OBN	Obninsk	
Kamchatskaya Oblast'		
ALID	Alaid	
APC	Apacha	
APN	Apakhonchich	
KRX	Arik	
ASHS	Asacha	
ASAK	Asacha	
AVH	Avacha	
BDR	Baidarnaya	
BERS	Berezovaya	
BKI	Bering	
BZMS	Bezymyanka	
BZMR	Bezymyannaya	
BZGR	Bezymyannyi-Griva	
BZWR	Bezymyannyi-West	
BLCS	Bulochka	
DALK	Dalny	
ESO	Esso	
ES2	Esso	
GNL	Ganaly	
GRL	Gorelyy	
HAIS	HAIS	
INSR	Institute	
KAMP	Kamchatka Peninsula	
ST03S	Kamchatka temporary site	
ST02S	Kamchatka temporary site	
ST01S	Kamchatka temporary site	
KMNR	Kamenistaya	
KMSK	Kamenskaya	
KAMR	Kamenskoye	
KRMR	Karymshinskiy	
KII	Karymskiy	
KDTR	Khodutka, Kamchatskaya Oblast',Russia	
KIRR	Kirishev	
KZV	Kizimen	
KLY	Klyuchi	
KPT	Kopyto	
KOK	Koryaka	
KRER	Koryakskii	
KZL	Kozel'skiy	
KOZ*	Kozyr	KOZR
KOZR	Kozyr	
KOZ	Kozyrevsk	
KRSR	Krestovskiy	
KRN	Kronoki	
KBG	Krutoberegovo	
KBTR	Krutoberegovo 1	
LGNR	Loginova	
MIPR	Malaya Ipel'ka	
MKV	Markovo, Chukotka	
MAYS	Mayak na Mysu Ozernom	
MEDS	Mednyi	
MLKS	Milkovo	
MTVR	Mutnovka	
MTNS	Mutnovskaya	
MKZ	Mys Kozlova	
KRCS	Mys Kronotskii	
SPN	Mys Shipunski	
NCHK	Nachiki	
NALY	Nalychevo	
NLC	Nalytchevo	
OSSR	Ossora	
OZRR	Ozero (Kronotsky)	
PCHS	Pakhachi	
PALN	Palana	
PALS	Palana	
PAU	Pauzhetka	
PET	Petropavlovsk	
PEA0B	opavlovsk-Kamchatskiy kiy Array site AOB	
PETK	opavlovsk-Kamchatskiy kiy Array site P	
PES2	opavlovsk-Kamchatskiy kiy Array site S2	
I44RU	ROPAVLOVSK-KAMCHATSKY KY INFRASONIC ARRAY REFERENCE POINT	
PDK	Podkova	
RUS	Russkaya	
SDLR	Sedlovina	
SMKR	Semkarok	
SEL	Semlyachik	
SVLR	Shiveluch	
KPLS	Shiveluch-Kupola	
SBRT	Shubertovo	
SMAR	Somma	
SRKR	Sorokina	
SRDR	Sredinnyy	
TIGL	Tigil	
TIL	Tilichiki	
TILR	Tilichiki	
TILK	Tilichiki	
TLBS	Tolbacick	
TOP	Topolovo	
CIRR	Tsirk	
TUMR	Tumrok	
TUMD	Tumrok D	
UGLR	Uglovaya	
VEK	Verkhne-Kamchatsk	
VDP	Vodopadnii	
ZLN	Zelenaya	
Karelia		
VALR	Valaam	
Karel'skaya		
LVZ	Lovozero	
Kemerovskaya Oblast'		
ASR1	Anjero-Sudjensk, Russia	
BJR1	Bachatsky 1, Kuzbass, Russia	
BJR2	Bachatsky-2, Kuzbass, Russia	
BJR3	Bachatsky-3 (Starobachaty), Kuzbass, Russia	
BJR4	Bachatsky-4, Kuzbass, Russia	
BALAH	Balakhonka, Kuzbass, Russia	
BRCR	Berchikul'	
KEM	Kemerovo	
KIYZ	Kiyzas, Kuzbass, Russia	
LUZB	Luzhba, Kemerovskaya Oblast', Russia	
POMOR	Pomortsevo, Kuzbass, Russia	
TASR	Tashtagol	
VEH	Verkhnyaya Baza	
Khabarovskiy Kray		
EKMR	Ekimchan	
GRNR	Gornyy	
KHBR	Khabarovsk	
HABR	Khabarovsk	
LZR	Lazarev	
MNVS	Mnogovershinnie	
NKL	Nikolayevsk	
OKHT	Okhotsk	
OKHR	Okhotsk	
OHTR	Okhotsk	
URG	Urgal	
Khakassia		
CERR	Cheremushki	
DJO	Djoy, Khakassia, Russia	
DJOS	Djoyskaya Sosnovka, Khakassia, Russia	
Khanty-Mansi Autonomous Okrug		
BYAR	Belyy Yar	
HMA	Khanty-Mansiysk	
SKZ	Skazka	
Kirovskaya Oblast'		
KIRV	Kirov	
Komi		
SYKR	Syktyvkar	
Krasnodarskiy Kray		
ANN	Anapa	
KPR	KrasnayaPolyana	
RPOR	Krasnaya Polyana	
KGUR	Krasnodar	
LABN	Labinsk	
SOC	Sochi	
VOZR	Vozrozhdenie	
ERBR	Yeremizino-Borisovskaya	
Krasnoyarskiy Kray		
ABNR	Abakan	
BLRR	Bol'shaya Rechka	
DVG	Divnogorsk	
HVS	Khovu-Aksy	
KDN	Kodinsk	
KRAR	Krasnoyarsk	
KTRR	Kuturchin	
KZLR	Kyzyl	
MINR	Mina	
NRIL	Noril'sk	
NRIK	Noril'sk	
NRIS	Noril'sk	
NRI	Noril'sk	
ORHR	Oreshnoe	
ORY	Orie	
SHRR	Shira	
TBTR	Tabat	
TBRR	Tiberkul'	
ZLNR	Zelenogorsk	
GZLN	Zheleznogorsk	
SHTK	Zheleznogorsk-3, Russia	
GZL	Zheleznogorsk city	
Leningradskaya Oblast'		
NE51	Saint Petersburg	
LNN	Saint Petersburg	
VYB	Vyborg	
Magadanskaya Oblast'		
ANDR	Anadyr'	
ANSS	Anadyr, Chukotka	
ANDR2	Anadyr, Chukotka	
BILL	Bilibino	
BILI	Bilibino, Chukotka	
CES	Cherskiy	
DBI	Debin	
EGV	Egvekinot, Chukotka	
EVEN	Evensk	
EVNR	Evensk	
EVES	Evensk	
ILT	Iul'tin	
KLEP	Klepka	
GOLD	Kubaka	
KULR	Kulu	
MAG	Magadan	
MA2	Magadan	
MGD	Magadan 1	
TEC1	Magadan Thermoelectric Plant	
MKI	Maiskii, Chutkotka	
MYAS	Myakit	
NKB	Nel'koba	
NMA2	New Magadan Station 2	
OBOS	Obo	
OLAR	Ola	
OCHR	Omchak	
OMOL	Omolon, Chukotka	
OMS	Omsukchan	
ORBT	Orbita	
ORTS	Orotukan	
PROV	Provideniya	
SEY	Seymchan	
SS42	Seymchan - Ulakhan Temp Deploy	
SS40	Seymchan - Ulakhan Temp Deploy	
SS41	Seymchan - Ulakhan Temp Deploy	
SNGR	Sinegor'e	
SNGS	Sinegor'e	
SNE	Sinegor'e	
GRESR	Susuman	
SUUS	Susuman	
SS01	Susuman-Seymchan profile, station 01	
SS02	Susuman-Seymchan profile, station 02	
SS03	Susuman-Seymchan profile, station 03	
SS04	Susuman-Seymchan profile, station 04	
SS05	Susuman-Seymchan profile, station 05	
SS06	Susuman-Seymchan profile, station 06	

Code	*Station Name*	*Other*
SS07	Susuman-Seymchan profile, station 07	
SS08	Susuman-Seymchan profile, station 08	
SS09	Susuman-Seymchan profile, station 09	
SS10	Susuman-Seymchan profile, station 10	
TTY	Takhtoyamsk	
TLAR	Talaya	
TONS	Talon	
TURS	Tal-Yuryakh	
SS62	Tal-Yuryakh Coal Mine	
TAUS	Tauisk	
ST18S	Temporary aftershock station near Magadan	
ST20S	Temporary station #20	
ST21S	Temporary station #21	
ST22S	Temporary station #22	
ST23S	Temporary station #23	
USO	Ust'-Omchug	
YAGS	Yagodnoe	
Moskovskaya Oblast'		
I43RU	DUBNA INFRASONIC ARRAY REFERENCE POINT	
KUC	Kucino	
MHV	Michnevo	
MOS	Moscow	
Murmanskaya Oblast'		
APZ9	Apatity	
APA	Apatity	
APAES	Apatity Array Beam Reference Point	
APA0	Apatity Array Site A0	
APA1	Apatity Array Site A1	
APA2	Apatity Array Site A2	
APA3	Apatity Array Site A3	
APB1	Apatity Array Site B1	
APB2	Apatity Array Site B2	
APB3	Apatity Array Site B3	
APB4	Apatity Array Site B4	
APB5	Apatity Array Site B5	
Nizhegorodskaya Oblast'		
PECR	Pechory	
Novosibirskaya Oblast'		
ALXA	Alekseevka, NSO, Russia	
BSTK	Bystrovka, Novosibirskaya Oblast', Russia	
KHAR	Kharino, NSO, Russia	
NVS	Novosibirsk	
NVSII	Novosibirsk	
NHES	Novosibirsk, NHES, Russia	
Orenburgskaya Oblast'		
LBGK	Lebyazhka	
ORR	Orenburg	
OR2	Orenburg-2	
OR3	Orenburg-3	
TRCK	Troitsky	
Permskiy Kray		
PR2R	Dobryanka	
PR6R	Ekimyata	
KIZR	Kizel	
PR3R	Kungur	
PR5R	Perm'	
PR1R	Pomanovo	
PR7R	Sarany	
SOKR	Solikamsk	
PR0R	Verkhnechusovskiye Gorodki	
PR4R	Vlasy	
Primorskiy Kray		
GRTS	Gornotaezhnoe	
GRTR	Gornotajezhnoje	
GRVS	Gornovodnoe	
MSHR	Mys Shultsa	
TEY	Ternei	
USA0B	Ussuriysk Array Site A0B	
I45RU	USSURIYSK INFRASONIC ARRAY REFERENCE POINT	
USK	Ussuryisk	
VLA	Vladivostok	
ZMN	Zimniki	
Pskovskaya Oblast'		
NE52	Pskov	
AGYR	Agha	
ARXR	Arkhyz	
BEYR	Belyy Ugol+	
GL1R	Gelendzhik	
GROC	Groznyy	
GUZR	Guzeripl'	
NCK	Nalchik	
NEUR	Neytrino	
NEY	Neytrino	
PEA0	opavlovsk-Kamchatskiy kiy Array Site A0	
PEA1	opavlovsk-Kamchatskiy kiy Array Site A1	
PEA2	opavlovsk-Kamchatskiy kiy Array Site A2	
PEA3	opavlovsk-Kamchatskiy kiy Array Site A3	
PEB1	opavlovsk-Kamchatskiy kiy Array Site B1	
PEB2	opavlovsk-Kamchatskiy kiy Array Site B2	
PEB3	opavlovsk-Kamchatskiy kiy Array Site B3	
PEB4	opavlovsk-Kamchatskiy kiy Array Site B4	
PEB5	opavlovsk-Kamchatskiy kiy Array Site B5	
PYA1	Pyatigorsk	
TPSR	Tuapse	
USRK	Ussuriysk Ar. Beam Pt.	
USA0	Ussuriysk Array Site A0	
USA1	Ussuriysk Array Site A1	
USA2	Ussuriysk Array Site A2	
USA3	Ussuriysk Array Site A3	
USB1	Ussuriysk Array Site B1	
USB2	Ussuriysk Array Site B2	
USB3	Ussuriysk Array Site B3	
USB4	Ussuriysk Array Site B4	
USB5	Ussuriysk Array Site B5	
Saint-Petersburg		
PUL	Pulkovo	
Sakha		
ALDR	Aldan	
ACHS	Amedichi	
AYK2	Artyk	
ATKR	Artyk	
BTGS	Batagay	
YBGR	Belaya Gora	
BLSR	Buluus	
CGD	Chagda	
YCRN	Chernyshevskiy	
CKH	Chokchoi	
CL1S	Chul'man	
CLNS	Chul'man	
DEPR	Deputatskiy	
DUYS	Dunai	
IENR	Iengra	
KBKS	Kabaktan	
UL2S	Kamenistyi	
KNGL	Kangalassy	
KHG	Khandyga	
KHN	Khani	
KHNR	Khani	
AY1S	Kobdi	
KYU	Kyusyur	
MOMR	Moma	
NGRS	Nagornyi	
NAYS	Naiba	
NRGR	Nerungri	
NYG	Neryungri	
NZD	Nezhdaninsk	
NBS	Nizhniy Bestyah	
OLMR	Olekminsk	
AY2S	Ozernaya	
PDY	Peleduy	
PDYAR	Peleduy Array Beam Reference Point	
PDY01	Peleduy Array Site 01	
PDY02	Peleduy Array Site 02	
PDY03	Peleduy Array Site 03	
PDY04	Peleduy Array Site 04	
PDY05	Peleduy Array Site 05	
PDY06	Peleduy Array Site 06	
PDY07	Peleduy Array Site 07	
PDY08	Peleduy Array Site 08	
PDY09	Peleduy Array Site 09	
PDY31	Peleduy Array Site 31	
SAYS	Saidy	
SSYS	Sasyr	
SOTR	Stolb	
SYL	Syllakh	
TBGR	Tabaga	
TBK	Tabalakh	
TML	Taimylyr	
TLIS	Tenkeli	
TIK	Tiksi	
TIXI	Tiksi	
AY3S	Tungusskii	
TNDR	Tynda	
UL1S	Tyubelyakh	
USMR	Ust'-Maya	
UNR	Ust'-Nera	
UNR1	Ust'Nera (new)	
YVAM	Verhnyaya Amga	
VTMR	Vitim	
VTM	Vitim	
YAK	Yakutsk	
YRG	Yaruga	
YUB	Yubileniya	
YKLR	Yuktali	
ZYR	Zyryanka	
Sakhalinskaya Oblast'		
BLSS	Belie Skali	
BSK4	Belie Skalie	
CHST	Chistovodnoe	
ESU	Esutoru	
FRSO	Firsovo	
GLVR	Golovnino	
GOY	Gornyy	
KLN4	Kalinino	
KHLM	Kholmsk	
KOS	Kosmodemyansk	
KUR	Kuril'sk	
LAGR	Lagunnoye	
LSN4	Lesnoe	
LES	Lesozavodsk	
MLK4	Malkovo	
MLK*	Malo-Kuril'sk	
MAU	Matua	
KRS4	Mayak Korsakovskie (Korsakov)	
MNDR	Mendeleevo	
NEVR	Nevel`sk	
NGLS	Nogliki	
NGLR	Nogliki	
NVV	Nyvrovo	
OKH	Okha	
OOT	Ootomari	
OSMR	Ostromysovka	
OTI	Otiai	
OZHR	Ozhidaevo	
OJD4	Ozhidaevo	
PETS	Petropavlovskoye	
REI	Reidovoe	
SKR	Severo-Kuril'sk	
SKT*	Shikotan	SHO
SHO	Shikotan	
SKK	Sikka	
SIU	Simushir	
GRPR	Tuman	
TYV	Tymovskoe	
UGL	Uglegorsk	
ZLDR	Utesnoe	
UTSR	Utesnoe	
YUK	Yuzh-Kuril'sk	
YSS	Yuzh-Sakhalinsk	
ZGR4	Zagorskoe	
Saratovskaya Oblast'		
BELG	Belogornoye	
SARR	Saratov	
Severo-Osetinskaya		
ARNR	Ardon	
BTKR	Batakoyurt	
DIGR	Digorskoe uzhel'e	
KMGR	Komgaron	
KMSR	Komsomolskaya	
KORR	Kora	
LACR	Lac	
LSNR	Lesken	
PRTR	Priterechnaya	
STDR	Stavd-Durt	
SNJR	Sundja	
TRKR	Terskaya	
ZEI	Tsey	
VLKR	Vladikavkaz	
Stavropol'skiy Kray		
DOMR	Dombai	
GOF	Gofitskoye	
GUMR	Gum-Bashi	
KBZ	Khabaz	
KIV	Kislovodsk	
KVAR	Kislovodsk Array Beam Reference Point	
KIV0	Kislovodsk Array Site 0	KVAR
KIV1	Kislovodsk Array Site 1	
KIV2	Kislovodsk Array Site 2	
KIV3	Kislovodsk Array Site 3	
KUBR	Kubataba	
KBTC	Kuba-Taba	
NAGR	Nagutskaya	
NVNR	Nevinnomyssk	
PYA	Pyatigorsk	
SHAR	Shatzhatmas	
SHA1	Shidzhatmaz	
STRR	Strizhament	
Sverdlovskaya Oblast'		
ARU	Arti	
KAUR	Kamensk Uralskiy	
SVUR	Severouralsk	
SVE	Sverdlovsk	
The Chukotsky Autonomous Okrug		
LAVR	Lavrentia	
NSH2	Neshkan	
NSH	Neshkan, Chukotka	
PRVR	Provideniya	
YLNS	Uelen temporary site, Chukotka	
Tyva		
ERNS	Erzin	
KNGR	Kungurtug, Tuva Republic, Russia	
SHUI	Shui	
TEL	Teeli	
TDJR	Todzha	
UER	Ust'-Elegest	
Voronezhskaya Oblast'		
VORD	Divnogorie	
LPSR	Galich'ya Gora	
VRHR	Novokhopersk	
VRH	Novokhopyorsk	
VSR	Storozhevoye	
VRSR	Storozhevoye	
VORR	Voronezh	
VOR	Voronezh	
Yevreyskaya Avtonomnaya Oblast'		
KNGS	Khingansk	
KLR	Kul'dur	
Sabah		
SPMM	Sapulut	
Samarskaya Oblast'		
BT1	Baytugan-1	
Sarawak		
BNMM	Bakun	
Saudi Arabia		
ABHA	Abha	
ABAR	Abu 'Arish	
URD13	Abu Rakah	
URD04	Abu Rakah	
URD14	Abu Rakah	
URD15	Abu Rakah	
BAHS2	Abu Rakh	
DRBS	Ad Darb	
AFIF	Afif	
AFFS	`Afif	
HIL01	Al Amaaer	
URD07	Al Anba	
BDAS	Al Bad`	
BADA	Al Bad`	
BRK04	Al Birk	
BRK02	Al Birk	
BRK03	Al Birk	
BRK01	Al Birk	
DWDS	Al Duwadimi	
URD05	Al Faraah	
AKWA	Algayed	
HASTF	Alhafirah	
HANO	Al Hamad	
HWYS	Al Hawiyah	
HOFOF	Al Hofuf	
HIL02	Al Hulayfah	
NRYS	Al Jubail	
KAMS	Al Khamasin	
LITH	Al Lith	
LTHS	Al Lith	
MJMS	Al Majmaah	
MJMA	Al Majma`ah	
MURBA	Al Muraba'a	
MWLHS	Almuwaylih	
QLABS	Al Qalibar	
TRAS	Al Qrash	
QNFDS	Al Qunfudhah	
QNF01	Al Qunfudhah	
QNF02	Al Qunfudhah	
QREAT	Al Qurrayyat	
SHRA	Al Sharaya	
SODA	Al Sooda	
URD03	Al Ula	
URD02	Al Ula	
AYN	Al`Uyaynah	
WAJH	Al Wajh	
EWJHS	Al Wajh	
WANAN	Al Wanan	
AMGES	AMGES	
NAMS	An Nimas	
NARAR	Arar	
SARAR	Arar	
ARSS	Ar Rass	
NSAFS	Ar Rayis	
RAYN	Ar Rayn	
HIL04	Ash Shaalaniyah	
HIL03	Ash Shuqayq	
BJDH	Asilah	
ASIR1	ASIR1	
ASIR2	ASIR2	
ASIR3	ASIR3	
ASIR4	ASIR4	
ASIR5	ASIR5	
TAIF	At Ta'if	
AYUS	`Aynunah	
BADR	Badr	
BARA	Bahrah	
BHRA	Bahrah	
BAHS	BAHS	
BLJS	Baljurashi	
BESHS	BESHS	
BIDS	Bi'r al Bayda'	
KBR13	Birmah	
BMSH	Bir Mashi	
BISH	Bishah	
DESA	DESA	
DHR	Dhahran	
DHJN	Dharan Janob	
NDEBA	Dheba	
DBAS	Duba	
ENMS	ENMS	
ETH01	ETH01	
ETH02	ETH02	
ETH03	ETH03	
ETH04	ETH04	
ETH05	ETH05	
ETH06	ETH06	
ETH07	ETH07	
ETH08	ETH08	
FRAS	Faraa	
FRSS	Farasan al Kabir	
FRDH	FRDH	
GHASH	GHASH	
GHMGH	GHMGH	
HKNS	Hadbat Hakran	
HBTS	Hafar Al Batin	
HILS	Ha'il	
HAJR	Hajar	
HLBN	Haleban Array Beam Reference Point	
HQL	Haql	
HAQS	Haql	
NHRD	Haradh	
URD10	Hayder	
HRML	HRML	
HTM01	HTM01	
HTM02	HTM02	
HTM03	HTM03	
HTM04	HTM04	
HTM05	HTM05	
HTM06	HTM06	
ALWS	Ilw as Safayhah	
JMOS	Jabal al Moallq	
FRJS	Jabal Farasan	
LBNS	Jabal Laban	
JMQS	Jabal Moqyreh	
JAZS2	Jazan	
JEDS	Jeddah	
JAZS	Jizan	
JIZN	Jizan	
JOFS	JOFS	
JURS	JURS	
KFJS2	Khafji	
KFJS	Khafji	
KMSA	Khamasin	
KMTA	Khamis Mushayt	
KMTU	Khamis Mushayt	KMTA
KBR04	Khaybar	
KBR09	Khaybar	
KBR05	Khaybar	
KBRS	Khaybar	
KBR07	Khaybar	
KBR08	Khaybar	
KBR01	Khaybar	
KBR10	Khaybar	
KBR03	Khaybar	
KBR02	Khaybar	
NUMJS	Khuff	
KHLS2	Khulais	
KHLS	Khulais	
KAUST	King Abdullah University of Science and Technology	
KNGHS	KNGHS	
KRABS	KRABS	
LNY01	LNY01	
LNY02	LNY02	
LNY03	LNY03	
LNY04	LNY04	
LNY05	LNY05	
LNY06	LNY06	
LNY07	LNY07	
LNY08	LNY08	
LNY09	LNY09	
LNY10	LNY10	
LNY11	LNY11	
LNY12	LNY12	
LNY13	LNY13	
LNY14	LNY14	
LNY15	LNY15	
LNY16	LNY16	
LNY17	LNY17	
LNYS	LNYS	
MDRAS	Madrakah	
MADS	Madsous	
MKHL	Mahalah	
MKNA	Makna	
MSTR	Mastorah	
MDRK2	MDRK2	
MYKS	Mirrayikh	
MZLS	Mizel	
MQLS	MQLS	
MOHS	Muhayil	
NAJS	Najran	
NJRNS	Najran	
BODY	Near Bada	
MATS	Near Sharaf	
NLITH	NLITH	
NSKAK	NSKAK	
NTAIM	NTAIM	
OLAS	OLAS	
QASM	Qassim	
QURS	Qurayyt al Milh	
SRFHA	Rafha	
RNYS	Ranyah	
RYNS	Ranyah	
RHT01	RHT01	
RHT02	RHT02	
RHT03	RHT03	
RHT04	RHT04	
RHT05	RHT05	
RHT06	RHT06	
RHT07	RHT07	
RHT08	RHT08	
RHT09	RHT09	
RHT10	RHT10	

Code	Station Name	Other
RHT11	RHT11	
RHT13	RHT13	
RHT14	RHT14	
RHT15	RHT15	
RHT16	RHT16	
RHT17	RHT17	
RHT18	RHT18	
RHT19	RHT19	
RHT20	RHT20	
RHWAS	RHWAS	
RYDS	Riyadh	
RYD	Riyadh	
RQBS	RQBS	
RMAH	Rumah	
SADE1	SADE1	
SADE2	SADE2	
FRSS2	Sair Farasan Island	
SRAT	Sarat Abidah	
KBR12	Shajwa	
KBR11	Shajwa	
SHRF	Sharaf	
SRFA	Sharaf	
SHBH1	SHBH1	
SHBH2	SHBH2	
SHQRE	Shigry	
SHRS	SHRS	
URD06	Shuwaq	
URD12	Shuwaq	
SMAN	Sihmah	
SSKAK	SSKAK	
STAIM	STAIM	
SALT	Sultana	
QSMS	Sumairaa	
TBKS	Tabuk	
TAF1	Taif	
TATS	Tathlith	
URD11	Tayma	
TAYS	Tayyib Ism	
TRAF	Turaif	
WELAS	Turaif	
UMJ01	UMJ01	
UMJ02	UMJ02	
UMJ03	UMJ03	
UMJ04	UMJ04	
UMJ05	UMJ05	
UMJ06	UMJ06	
UMJ07	UMJ07	
UMJ08	UMJ08	
UMJ09	UMJ09	
UMJ10	UMJ10	
UMJ11	UMJ11	
UMJ12	UMJ12	
QYSM	Um Kedad	
SUMJS	Umluj	
UMJS	Umm Lajj	
UQSK	`Uqlat as Suqur	
URD01	URD01	
WBHS	Wadi `Ibn Hashbal	
HASS	Wahat al Ahsa'	
WASL	Wasel	
WASQA	WASQA	
WSKAK	WSKAK	
WTBKS	WTBKS	
RYNBS	Yanbu	
YNBS	Yanbu` al Bahr	
YLMLM	YLMLM	
DJNS	Zahran al Janub	
FDAS		
HQLS		
DARB		
ASYS		
BOQSS		
BTHS		
HRDDS		
JLOS		
LYLS		
RSHS		
SHBS		
SHMS		
SLWS		
WJHS		
YOBS		
Severnaya Zemlya		
SVZ	Severnaya Zemlya	
Sichuan		
PZH	PanZhiHua	
Singapore		
BTDF	Bukit Timah Dairy	
SING	Singapore	
Spratly Islands		
KIPH	Kalayaan	
Sri Lanka		
COC	Colombo	
HALK	Hakmana	
MALK	Mahakanadarawa	
PALK	Pallekele	
Stavropol'skiy Kray		
ALER	Alexandrovskoye	
GOFR	Gofitskoye	
Sverdlovskaya Oblast'		
ARTI	Arti	
Syria		
KOOC	Abou Kooc	
RABH	Abou Rabah	
ARNB	Al Arnab	
BSHR	Al Beshri	
BIDA	Albida	
JHLN	Al Jahlan	
MZRK	Al-Mazaregh	
MNKR	ALMNKUR	
SLMH	Al Salmeh	
WHAB	Al Wahab	
BDRN	Badran	
BRBR	Barbar	
BTCH	Batrach	
DUSS	Damascus University	
DRBT	Darb Altahta	
DRWC	Darouich	
HAWK	Haweek	
KBSD	Kabsdagh	
KSRV	Kasrt alli	
KFRA	Kufra	
QASN	Qassioun	
MARH	Ras Al Marh	
SALA	Sala	
SLNF	Slenfeh	
SFNV	Sufian	
TCHB	Talchebab	
ROOS	tl_alroos	
TOTH	TOTAH	
WRDH	Warideh	
ZALF	Zalf	
Taiwan region		
ALS	Alishan	
ANP	Anpu	
EAST	Anshuo	
EAHA	Aohua	
ZPLA	Ao Xicun	
BGSB	Baguashan	
YXBM	Banmiancun	
WCS	Beigang Elementary School	
TWGBT	Beinan	
ECBN	Changbin	
WCH	Changhua City	
CHKH	Chenggong	
CHKT	Chengkung	
TWY	Chenhua	
TWD	Chiawan	
CHY	Chiayi	
TSCK	Chigu Township	
KNMB	Chin-men Tao	
ECS	Chishang	
CHN6	CHN6	
TWR	Chutung	
SCST	Cishan	
WDJ	Dajia District, Taichung City	
WDT	Danda	
NTST	Danshui	
XPSS	Dashiqiu	
LATG	Datong	
NNSH	Datong	
NNSB	Datong	
NDT	Datong Township	
TAWH	Dawu Township	
WLTB	Daxi	
EDH	Donghe	
DSXP	Dongshan	
NDS	Dongshan	
DHTZ	Dongzhaishan	
WDL	Douliou City	
WDLH	Douliu	
WDGT	Dungji	
TWDS	Dungshr Township	
LIOB	Emei	
EOS1	EOS1	
EOS2	EOS2	
EOS3	EOS3	
EOS4	EOS4	
RLNB	Erlin	
SCZT	Fangliau	
WCKO	Fanlu	
TWE*	Feng-lin	
WARBT	Fenglin Township	
FULB	Fuli	
FUSB	Fushanzhiwuyuanguanzhi	
FUSS	Fushou	
ETL	Fush Village	
SXI1	Grass Mountain	
EGFH	Guangfu	
WGK	Gukeng	
TNGL	Gungliau Township	
WRL	Guolierlin High School	
DPDB	Guoxing	
WSSB	Gushan	
EHD	Haiduan	
WHF	Hehuan Shan	
EHC	Hejung	
TSEB	Hengchuen, Pingtung county	
TWKBT	Hengchun	
TWK1	Hengchun	
HEN	Hengchun	
EHP	Heping Village	
PTMZ	Houxiangcun	
TWP	Hsiaoliuchiu	
WLCT	Hsiaoliuchiu	
SBCB	Hsinchu	
HSN1	Hsinchu	
HSN	Hsinchu	
HSI	Hsinkong	
SGK	Hsinkong	HSI
TWK	Hsinying	
HWAP	Hualien Port	
PNTK	Humangqian	
EHY	Hungye	
HWA	Hwalien	
YLA	Ilan	ILA
ILA	Ilan	
AXDP	Jialang	
SCLT	Jiali	
LYJJ	Jianjiangzhen	
EGA	Jian Township	
SGST	Jiashian	
TEGC	Jichi Village	
SGLT	Jiouru	
KAU	Kaohsiung	
SNJT	Kaohsiung City	
KAUP	Kaohsiung Port	
KLUP	Keelung Port	
KNM	Kinmen	
TWS1	Kuangyinshan	
TWX	Kuosheng	
NWRT	Kuosheng	
TWI	Lanshu	
LAY	Lan-yu	
LYUB	Lan-yu	
ELDTW	Lidau	
MSUT	Lienchiang	
CHN7	Lioujiau	
SLGT	Liugui	
WLCH	Liuqiu	
TWQ1	Liyutan	
LONT	Longtian	
LDUT	Ludao	
TWH	Lutao	
WMLT	Mailiao	
TSMG	Majia	
SMST	Manzhou Township	
MASBT	Mashibuluo	
MTST	Matsu	
MATB	Ma-tsu	
TWO1	Meishan	
TWO	Meishan	
NMLH	Miaoli	
NML	Miaoli City	
WNT	Mingjian	
CHN2	Minshiung	
TWA	Mucha	
NANB	Nanao	
ENAH	Nanao	
ENA	Nanau	
NSTT	Nanjuang	
NPDK	Nanping	
NNS	Nan Shan	
CHN1	Nanshi	
WNT1	Nantou City	
SNW	Nanwan	
NCU	National Central University	
TNOU	National Taiwan Ocean University, Keelung City	
TWE	Neicheng	
TWZ	Neifu	
BACT	New Taipei City	
NACB	Ninganchiao	
ENTT	Nioudou	
PCYT	Pengchaiyu	
PNG	Penghu	
PHUB	P'eng-hu	
PTTC	Pingtan	
TSPT	Pingtung City	
TWG	Pinlang	
VDOS	Pratas Island	
WPL	Puli Township	
WLGB	Puzi	
VCHM	Qimei	
OWD	Renai	
WUSB	Renai	
CHGB	Renai	
HGSD	Ruisui	
SSD	Sandimen	
NSK	Sanguang	
TWB1	Santiao Chiao	
NSY	Sanyi	
SSHA	Shanhua	
ESL	Shilin	
NSM	Shimen	
TNSD	Shindian Village	
CHN3	Shinhua	
SLIU	Shizi	
ENLB	Shoufeng	
SHUL	Shoufeng	
ESF	Shoufeng Township	
TWM1	Shoushan	
TWM	Shoushan	
TIPB	Shuangxi	
WSL	Shuilin Township	
SSLB	Suanglung	
TWC	Suao	
ESAO	Su ao	
TWCP	Suao Port	
SMLT	Sun Moon Lake	
WSF	Szhu	
WTCT	Ta-ch'eng	
TWT	Tachien	
SANB	Taian	
TCU	Taichung	
WHP	Taichung City	
TCUP	Taichung Port	
ECL	Taimali	
TAI	Tainan	
SHHT	Tainan City	
TAI2	Tainan City	
SNST	Tainan City	
NHY	Taipei	
TATO	Taipei	
TAP1	Taipei	
TAP	Taipei	
TTN	Taitung	
NTY	Taoyuan	
STYH	Taoyuan	
TPUB	Ta-pu	
WTP	Ta-pu	
STYT	Tauyuan	
TAW	Tawu	
TWJ1	Tawu	
TDCB	Techi	
ETM	Tongmen	
NTC	Toucheng	
CHN5	Tsauling	
CHN4	Tsaushan	
WTK	Tuku	
TWQ	Tungshih	
VWDT	VWDT	
VWUC	VWUC	
EHYH	Wanrong	
WWF	Wufeng	
NFF	Wufeng Township	
NWF	Wu-fen Shan	
WFSB	Wu-fen Shan	
TWU	Wulai	
NWLT	Wulai	
EWUT	Wuta	
ZPXH	Xianghu	
SSPT	Xinbi	
NHDH	Xindian District, New Taipei City	
NHW	Xinwu Township	
WHYT	Xinyi Township	
LXIB	Xiulin Township	
ETLH	Xiulin Township	
SXFK	Yanhouchang	
TEYL	Yanliau Village	
YHNB	Yeheng	
MHZQ	Yeshan	
ICHU	Yijhu	
CHN8	Yiju	
YM01	YM01	
YM03	YM03	
YM04	YM04	
YM05	YM05	
YM06	YM06	
YM07	YM07	
YM08	YM08	
YM09	YM09	
YM10	YM10	
YM11	YM11	
YM12	YM12	
PTSB	Yuanli	
WYL	Yuanlin Township	
SLBB	Yuanshan	
TYC	Yuchr	
EYUL	Yuli	
TWF1	Yuli	
TWF	Yuli	
YULB	Yu-li	
TAI1	Yung-k'ang	
YUS	Yu-Shan	
WCHH	Zhanghua	
NCUH	Zhongli	
NJD	Zhudong	
NJN	Zhunan	
WJS	Zhushan	
EGS		
Tajikistan		
AKUL	Akkuyli	
ARDJ	Arjinak	
BLD	Baljuvan	
BOGI	Bogijuda	
BZN	Bogi-Zagon	
CHLD	Childara	
CSD	Chor-Sady	
CGT	Chuian-Garon	
CHS	Chusal	
CHGR	Chuyangaron	
DSH	Dushanbe	
DZH	Dzhafr	
DZE	Dzherino	
DZET	Dzherino	
DZT	Dzhirgatal'	
FARK	Farkhor	
GAM	Garm	GAR
GAR	Garm	
GEZ	Gezan	
GIS	Gissar	
HAZOR	Hazorchashma	
IGR	Igron	
ISHK	Ishkashim	
ISH	Ishtion	
KFTR	Kaftarguzar	
KLTT	Kalaidasht	
KLD	Kalaidasht	
KNR	Kangurt	
KRU	Karasu	
KHAT	Khait	
KHO	Khorog	
KHR	Khorongon	
KHUD	Khujand	
KHUM	Khumson	
KOMA	Komarou	
KOMS	Komsomolabad	
KUL	Kulyab	
LNA	Lyangar	
MUR	Murgab	
MUP	Murgab	
MUS	Muskinabad	
NRK	Nurek	
OBG	Obi Garm	
OFT	Oftobruy	
PANJA	Panjikon	
PSV	Pishtovo	
REG*	Regar	RGR
RGR	Regar	
RAG	Roghun	
SNGI	Sangi-Kar	
SAT	Sang-Tuda	
SGZ	Semigandzh	
SHTS	Shaartuz	
SIMJ	Simiganj	
SMT	Sultan-Mazar	
TDT	Tavil'dara	
TURAT	Turatol	
URT	Ura-Tyube	
VANJ	Vanj	
YAKH	Yakhch	
YAT	Yaldymych	
ZARA	Zarafshon	
ZIM	Zimchurud	
Thailand		
TMDB	BangkokBB_BH_low_level	
BDT	Bhumibol Dam	
CHAI	Chaiyaphum	
CHAT	Chantaburi	
CHBT	CHBT	
CMMT	Chiang Mai	
CHTO	Chiang Mai	
CHG	Chiang Mai	CHTO
CMAR	Chiang Mai Array Beam Reference Point	
CM01	Chiang Mai Array Site 1	
CM10	Chiang Mai Array Site 10	
CM11	Chiang Mai Array Site 11	
CM12	Chiang Mai Array Site 12	
CM13	Chiang Mai Array Site 13	
CM14	Chiang Mai Array Site 14	
CM15	Chiang Mai Array Site 15	
CM16	Chiang Mai Array Site 16	CMAR
CM17	Chiang Mai Array Site 17	
CM18	Chiang Mai Array Site 18	
CM02	Chiang Mai Array Site 2	
CM03	Chiang Mai Array Site 3	
CM31	Chiang Mai Array Site 31	
CM32	Chiang Mai Array Site 32	
CM33	Chiang Mai Array Site 33	
CM34	Chiang Mai Array Site 34	
CM35	Chiang Mai Array Site 35	
CM36	Chiang Mai Array Site 36	
CM04	Chiang Mai Array Site 4	
CM05	Chiang Mai Array Site 5	
CM06	Chiang Mai Array Site 6	
CM07	Chiang Mai Array Site 7	
CM08	Chiang Mai Array Site 8	
CM09	Chiang Mai Array Site 9	
CHRT	Chiangrai	
CRAI	Chiangrai	
CMAI	Chiengmai2	
PHET	Kaeng Krachan	
KBR	Kanchanaburi	
KHLT	Khaolaem Dam	
KHT	Khao Laem Dam	
KHON	Khomkaen	
UBPT	Khong Chiam	
KKTK	Khon Kaen	
KRAB	Krabi	
LPT	Lampang	
LAMP	Lampang	
LOEI	Loei	
LOE	Loei	
MHMT	Maesarieng	

Code	Station Name	Other
NST	Nakhon Sawan	
NAYO	Nakonayok	
SRIT	Nakonsritamarat	
PANO	Nakornpanom	
NANT	Nan	
NONG	Nongkai	
NNT	Nongplab	
PCT	Pak Chong	
PATY	Pattaya	
PAYA	Payao	
PHIT	Phitsanulok	
PHRA	Phrae	
PKDT	Phuket	
PKT	Phuket	
RNTT	Ranong	
PBKT	Sadao Pong	
SKNT	Sakolnakorn	
SNG	Songkhla	
SKLT	Songkhla	
SRAK	Srakaew	
SRDT	SRDT	
SUKH	Sukhothai	
SURT	Suratani	
SURA	Surathani	
TRTT	Trang	
UBT	Ubonrachathani	
UMPA	Umpang Tak	
UTHA	Uthaitani	
UTTA	Uttaradit	

The Chukotsky Autonomous Okrug

Code	Station Name	Other
PVDR	Provideniya	

Tokyo

Code	Station Name	Other
JMYK	Miyake Tsubota	

Turkey

Code	Station Name	Other
GOAD	anakkale-G¶k§eada	
CNKL	anakkale-Merkez-narl	
YENC	ankr-Yenice	
HANM	anlurfa/Hilvan/Hanmaara	
CATL	atalca, STANBUL	
ABT	Abant	
ADVT	Abdulvahap	
APMY	Acipayam-Denizli	
AKO	Adana	
ADAT	Adana	
ADT	Adana	
SAIM	ADANA	
AKCA	Adyaman/G¶lba/Ak§akaya	
NARI	Adyaman-Kahta-Narince	
AZEY	Adyaman-Merkez-ndere	
AFSR	Afar-Bala (Ankara)	
BYAT	Afyon-Bayat	
KURO	Afyon-Bolvadin-Kurucuova	
AFYN	Afyon-Dinar-Knk	
AFYO	Afyonkarahisar	
UCKU	Afyonkarahisar-Sultanda-§kuyu	
KZIL	AFYON_Kizioren	
DAGI	Agillar	
AGN	Agin	
DORK	Agr/Tutak/Dorukdibi	
AGRT	Agri	
KOTA	Agri, Merkez-Kocatas	
KAHT	Ahir Dag	
AKCD	Akcadag	
AKC	Akcakoca	
AKDA	Akdag	
AKDM	Akdamar-Van	
AKHS	Akhisar	
AKS	Akhisar	
AKKT	Akkus	
AKK1	Akkuyu-Mersin	
AKKU	Akkuyu-Mersin	
AKK2	Akkuyu-Mersin	
AKSY	AKSARAY - Altinkaya	
AKTT	Aktoprak	
EAK	Akyaka	
AKY	Akyazi	
ALAN	Alanya-ANTALYA	
ALTN	Altintas	
ALT	Altintas	
CUALT	Altinyayla-SIVAS	
MASR	Amasra-Bartin	
AMSY	Amasya-Merkez	
ANDN	Andirin	
DAD	Ankara	
ANK	Ankara	
ANTO	Ankara	
GOKD	Ankara-Kalecik-Gokdere	
ANTT	Antakya	
ANTB	Antalya	
KEPZ	Antalya-Kepez	
AKUM	Antalya-Kumluca	
SUNG	orum-Sungurlu-Tatlsu	
ARPR	Arapgir-MALATYA	
GOLE	Ardahan-G¶lle	
AHAN	Ardahan-Merkez-Sulakyurt	
ARKP	Armutlu	
ARMT	Armutlu	
ARST	Arsuz	
ARTV	Artvin	
DRNR	Artvin, Merkez, Deriner Baraji	
ASAT	Asagicarikuru	
AVCI	Avcilar-stanbul	
AVDN	Avdancik/Bursa	
AVNT	Avonos	
AYAZ	Ayas K¶y, Merkez, ORUM	
ESEN	Aydn-Nazilli-Esenk¶y	
AYK	Aydincik	
DDIM	Aydin, Didim	
BAYT	Aydıntepe-Bayburt	
AYKD	Aykdinkavak	
AYS	Ayseler	
AYVA	Ayvalik	
IZMR	zmir-demi-Balabanl	
IZMD	zmir-Dikili-Delikta	
KARB	zmir-Karaburun	
KIRA	zmir-Kiraz	
DBAD	Bademkaya	
BKT	Bakacak	
HVHR	Bakirkoy-Istanbul	
BBAL	Bala	
BALAT	Bala	
BAND	Balkesir-Bandrma	
BKES	Balkesir-Merkez	
BLKS	Balkesir-Susurluk-anack	
BLCB	Balcova	
BALB	Balikesir	
KNL	Balıkesir	
BUHA	Balikesir, Burhaniye-Dutluca	
STEP	BALIKESIR_Savastepe	
BALY	Balya	
BNT	Bandirma	
BTIN	Bartın	
BASK	Baskale_VAN	
BASM	Basmaki-Afyon	
BTMT	Batman	
BTMN	Batman	
BAYB	BAYBURT	
BBTK	Belbasi	
BRAR	Belbasi Array Beam Reference Point	
BR01	Belbasi Array Site 1	
BR02	Belbasi Array Site 2	
BR03	Belbasi Array Site 3	
BR31	Belbasi Array Site 31	BRAR
BR04	Belbasi Array Site 4	
BR05	Belbasi Array Site 5	
BR06	Belbasi Array Site 6	
BR00	Belbasi Site	BRAR
BLNT	Belen	
BSIR	Belisirma, Guzelyurt, AKSARAY	
BERE	Bereket-Mersin	
BEST	Besiri	
BEYT	Beykoz	
BIGA	Biga-Canakkale	
BILE	Bilecik/Merkez-Dede RL	
HISA	Bilecik-Osmaneli-Hisarck	
BGOL	Bingol	
BINT	Bingol	
BNGL	BINGOL	
BNGB	Bingl	
SLHN	Bingol, Solhan-Merkez	
BTLK	Bitlis	
ADCV	BITLIS_Adilcevaz	
BLIS	Bitlis-Merkez	
BODT	Bodrum	
BODA	Bodrum-Mula	
BGKT	Bogazkoy	
KIBS	BOLU	
SUSU	Bolu-G¶lynk-Susuz K¶y	
BOLU	Bolu-Merkez-Musluklar	
BOLV	Bolvadin	
BLVD	Bolvadin-AFYON	
DBOC	Borcka	
BCA	Borcka	
KDAG	Bornova	
BOYT	Boyabat	
BYBT	Boyabat	
BOY	Boyalica	
BBRN	Bozburun-Marmaris	
BOZC	Bozcaada	
BOZD	Bozcaada-Canakkale	
BZK	Bozkurt	
YOZG	Bozok Univ. Merkez-YOZGAT	
ATAB	Bozova	
AUBOZ	BOZOYUK	
BOZY	Bozyazi-Mersin	
BCK	Bucak	
BNN	Bunyan	
BUCA	Burdur, Bucak-Gundogdu	
BRDR	BURDUR-Merkez	
BRGZ	Burgazada	
BRGA	Burgazada-Istanbul	
IGD	Bursa	
BADT	Buyukada	
KRGZ	Buyukada	
BASD	Buyukada	
BUY	Buyukada	
BUYA	Buyukada-Istanbul	
BECE	Buyukeceli-Mersin	
KIZO	Buyukkizoglu-Ladik(Samsun)	
BYZN	Byzanz	
DNZL	Cakiroluk	
CLDR	Caldiran	
CMRD	Camardi-Nigde	
CAME	Cameli-Denizli	
CMDR	Camlidere-ANKARA	
CANM	Can-anakkale	
CANB	Canakkale	
COMU	Canakkale	
KOCA	Canakkale, Ayvacik-Kocakoy	
BAYC	CANAKKALE_Bayramic	
ECEA	Canakkale, Eceabat-Seddulbahir	
GOKA	anakkale-Gkeada	
RFT7	Candarli	
CAND	Candarli	
CANT	Cankiri	
CTK	Catak	
CTTX	Catalca	
CTT	Catalca	
ELBA	Catalca	
ECAT	Cat-ERZURUM	
CAVTT	Cavuskoy	
CAVI	Cavuskoy	
CHAY	Cayeli-Rize	
CHOM	Cayeli-Rize	
CEM	Cemisgezek	
RFT3	Cesme	
CESE	eme	
CEYT	Ceyhan	
CDAG	Cicekdag	
CIFT	Cifteler, Eskisehir	
CHBY	Cihanbeyli	
CINR	Cinarcik Cinnet	
SBT1	Cinarcik-Koru-Yalova	
CIN	Cine	
CRLT	Corlu	
CTKT	Corum	
CORM	Corum	
COAL	Corum-Alaca	
KAGI	orum-Kargı	
CTAK	Corum_Osmancik	
CUKT	Cukurca	
CUND	Cunda Adasi-Balikesir	
BALT	Daday	
DALT	Dalyan (Mudla)	
DALY	Dalyan (Mula)	
DARE	Darende-Malatya	
DAT	Datca	
DATC	Datca-Mugla	
DLMC	Delmece	
DEMI	Demirci	
DDEM	Demirkent	
DKP	Demirkopru	
DMK	Demirkoy	
DMT	Demirtas	
DEMR	Demre-Antalya	
UZP	Denizli	
DENT	Denizli	
INCE	Denizli-Bozkurt-nceler	
CAEL	Denizli, Cameli-Kalinkoz	
TAVA	DENIZLI_Tavas	
DNZT	Denizli-Tavas-Dereaz	
DNIZ	Denizli-Tavas-Kzlcab¶lk	
DERT	Derbent	
DVR	Devrek	
DIDI	Didim-Aydin	
DKL	Dikili	
DIKM	Dikmen	
DYDN	Diyadin	
DIY	Diyarbakir	
DIYA	Diyarbakir	
DYBB	Diyarbakir	
HANI	Diyarbakir_Hani	
MDYL	Doganyol-Malatya	
DRTT	Dortyol	
DORT	Dortyol-Hatay	
DGT	Duragan	
DRB	Dursunbey	
DURS	Dursunbey	
DST	Dursunbey	
YIGI	Dzce	
EASY	Easy	
EDC	Edincik	
EDT	Edincik	EDC
EDRB	Edirne	
CAVK	Edirne/Enez-Cavuskoy	
KESN	Edirne-Kesan	
YAYO	Edremit-Balkesir	
BAGO	Egridir - ISPARTA	
ELA	Elazig	
ELZ	Elazig	
ELZG	Elazig	
KOVA	Elazig, Kovancilar-Tepebag	
ELDT	Eldivan	
EATA	Eleskirt	
ELL	Elmali	
RFTC	Emecik-Datca	
ENEZ	Enez	
ENGR	Engrck	
ERBA	Erbaa	
ERCV	ERCIS-VAN	
ERCT	Erciyes	
ERD	Erdek	
MEST	Erdemli	
ERIK	Erikli-Kesan	
ERMK	Ermenek	
EZC	Erzincan	
ERZN	Erzincan	
KRDT	Erzincan	
ERZM	Erzurum	
EZM	Erzurum	
ERZT	Erzurum	
ERZ	Erzurum	
EMRE	Erzurum,Aziziye	
KRIK	Erzurum-spir	
ATA5	Erzurum, Merkez	
EJDE	Erzurum, Palandoken	
EDAM	rum-Palandoken-Deprem rem Arastirma Merkezi	
ERZC	Erzyncan	
ESNK	Esenk¶y	
SBT5	Esenkoy-Cinarcik-Yalova	
ESE	Esentepe	
BORA	Eskisehir	
ESKT	Eskisehir	
SGAZ	Eskisehir, Seyitgazi-Dogancayir	
EYL	Eskiyayla	
SEYT	Eskypehyr	ESKT
ESPY	Espiye-Giresun	
EZN	Ezine	
EZNE	Ezine-Canakkale	
FAT	Fatmalar	
FEKT	Feke	
FETY	Fethiye	
FETI	Fethiye-Mugla	
RFT6	Fevzi Cakmak	
FSTK	Fistikli	
RFT5	Foca	
FOCM	Foa	
FUTB	Futbol	
GARD	Gard house	
SOFT	Gaziantep	
GZT	Gaziantep	
GZTT	Gaziantep	
GAZ	Gaziantep	
GZKV	Gazikoy-Tekirdag	
GAZK	Gazikoy-TEKIRDAG	
GAZI	Gazipasa	
GBZT	Gebze	
GBZE	Gebze	
GEB	Gebze	
LAFA	Gebze-Kocaeli	
GEDT	Gedikpinar	
GDZ	Gediz	
GEDZ	Gediz	
GEMT	Gemlik	
GRDE	Gerede-Bolu	
GEVA	Gevas	
ALUC	Giresun/Alucra	
GRSN	GIRESUNGRSN	
GLHS	Glhisar (BURDUR)	
GOKC	Gokceada-Canakkale	
GOLH	Golhisar	
GOMA	Golmarmara-Manisa	
GLP	Golpazari	GPA
GPA	Golpazari	
GET	Gonen	
GONE	Gonen-Balikesir	
GORD	Gordes-Manisa	
GYN	Goynuk	
GULA	Gulagac	
GULE	Gulek	
GULF	Gulfidan-Ladik(Samsun)	
GPNR	Gulpinar-Canakkale	
GULT	Gulveren	
GMLD	Gumuldur	
GUMT	Gumushane	
GDDT	Gundogdu	
GNYT	Guneyli	
CUGUR	Gurin_SVAS	
GURO	Guroymak-BITLIS	
SBT2	Guzelce-Avcilar-Istanbul	
GADA	Gvkgeada	
GCAM	G?zelcaml?	
HACI	Hacifakili, Akdagmaden, YOZGAT	
HDMB	Hadim	
HKR	Hakkari	
HAKT	HAKKARI	
YOVA	Hakkari_Yksekova	
HKOY	Hamitkoy-Ladik(Samsun)	
AGRB	Hanur-Agry	
HARPO	Harpoot	
HTY	Hatay	
ASUZ	Hatay-Arsuz	
HASA	Hatay-Hassa-Haclar	
RHAN	Hatay/Reyhanl	
HAVZ	Havza	
HYDR	Haydariye	
HYRS	Hayirsizada Cinnet	
HENT	Hendek	
HRT	Hereke	
HRTX	Hereke-Izmit	
HYBL	Heybeliada	
HYBA	Heybeliada-Istanbul	
HIS	Hisarcik	
HOPA	Hopa-Artvin	
HOMI	Horasan	
IGDI	IGDIR	
ILGA	Ilgaz	
ILIC	ilic-Erzincan	
ILYS	Ilyask¶y	
IKL	Isikli	
COBT	Iskenderun	
ISP	Isparta	
YVAC	Isparta, Yalvac-Ozguney	
EISP	Ispir	
IST1	Istanbul	
IST	Istanbul	
ITU	Istanbul	
ISK	Istanbul-Kandilli	
IZM	Izmir	
URLA	Izmir	
DGB	zmir	
ZEY	zmir	
ZEDA	zmir-Bergama	
ZEYE	Izmir, Urla-Zeytineli	
IZN	Iznik	
IZI	Iznik	
DOMA	Ktahya-Domani§	
EMET	Ktahya-Emet	
KDHN	Kadinhani	
KHMR	Kahramanmara,Trkolu	
KMRS	Kahramanmaras	
HCB	Kahramanmara	
KAHM	Kahramanmaras, Dulkadiroglu	
ELBS	KAHRAMANMARAS_ Elbistan	
KAMT	Kaman	
KAVV	Kandilli-Istanbul	
KND	Kandira	
CUKAN	kangal_SIVAS	
RFT2	Karaagac	
DERS	Karabk-Eskipazar-Dereboslan	
KGT	Karabiga	
KRBG	Karabiga-Canakkale	
KBUK	KARABUK-Merkez	
RFT4	Karaburun	
KRBN	Karaburun	
KCT	Karacabey	
KCTX	Karacabey (Bursa)	
SVSK	Karacayir	
EKAR	Karacoban	
KDE	Karadeniz	
KDZE	Karadeniz Ereoli	
KHAL	Karahalli	
KHL	Karahalli	
PASA	Karahalli, USAK	
KARA	Karaisali	
KESK	Krkkale-Keskin-Cabatobas	
KRMN	Karaman	
KKBE	Karaman, Kazimkarabekir	
KMS	Karamursel	
KRTS	Karatas	
KRTD	Karatas-Adana	
KART	Kargi	
KARG	Kargicak-Mersin	
KARO	Karliova-Bingol	
KARS	Kars	
DIGO	Kars	
KRSK	Karsak	
BOZK	Kars-Merkez-Bozkale	
AKAS	Kas	
PELI	Kastamonı-Ara	
KAS	Kastamonu	
KMON	Kastamonu	
KAST	KASTAMONU	
CIDE	Kastamonu/Cide-Merkez	
SEYI	Kastamonu-Seydiler	
KVT	Kavak	
BDRM	Kayabasi	
KAYA	Kayacik-Havza(Samsun)	
KYR	Kayrak	
GUNE	Kayseri	
YAHY	KAYSERI_Yahyali	
GOKT	Kean, EDRNE	
KEB	Keban	
KEBE	Keben-Mersin	
KEKT	Kekliktepe	
KELT	Kelkit	
KLT	Keltepe	
KEMA	Kemaliye	
KEMT	Kemer-ANTALYA	
RFTB	Kemer-Bodrum	
BRTR	Keskin Array Beam Reference Point	
BR101	Keskin Array Site 101	
BR102	Keskin Array Site 102	
BR103	Keskin Array Site 103	
BR104	Keskin Array Site 104	
BR105	Keskin Array Site 105	
BR106	Keskin Array Site 106	
BR131	Keskin Array Site 131	BRTR
BRMAR	Keskin MP Array Beam Reference Point	
BR231	Keskin MP Array Site 231	BRMAR
BR232	Keskin MP Array Site 232	
BR233	Keskin MP Array Site 233	
BR234	Keskin MP Array Site 234	
BR235	Keskin MP Array Site 235	

Code	Station Name	Other
BR236	Keskin MP Array Site 236	
BR237	Keskin MP Array Site 237	
CTKS	Kestanelik-??atalca	
KLYT	Kilyos	
KNAL	Kinaliada	
KRCT	Kiractepe	
MCUR	KIREHR	
RFT8	Kiratli	
KRH	Kirikhan	
DELI	KIRIKKALE	
AUKIR	Kırka- Seyitgazi ESKISEHIR	
KIRK	Kırklareli	
ARMN	Kirklareli, Merkez-Armagan	
VIZE	Kirklareli, Vize-Akpinar	
AKPI	Kirsehir/Akpinar	
KIRS	Kirsehir-Merkez	
KIZT	Kizilcal	
KAND	Kocaeli-Kandira	
SEMS	Kocaeli-K¶rfez-Semsettin	
KOL	Kolay	
RUZG	Kolk¶y-BOLU	
EKONA	Konakl - Erzurum - Turkiye	
ALIN	Konya, Altintekin	
CTIK	Konya-Celtik	
CBEY	Konya-Cihanbeyli	
DOGA	KONYA_Doganhisar	
KERG	Konya-Eregli	
KKUL	Konya-Kulu	
KMER	Konya-Meram	
SEDI	Konya, Seydisehir-Tarasci	
KONT	Konya--Tatoy	
KOPT	Kop Dagi	
KOPR	Koprukoy-ERZURUM	
KORT	Korkueli	
KORK	Korkuteli	
KYND	Koyundere	
KOZK	Kozakli-Nevsehir	
KOZTB	Kozan	
KOZT	Kozan	
KULA	Kula-Manisa	
KULU	Kulu	
SBT4	Kumbag-Tekirdag	
MARK	Kumluca	
KUPE	Kupecik-Ladik(Samsun)	
KURN	Kurna	
KRTT	Kurtkulagi	
KURC	Kurucasile-Bartin	
KUSD	Kusadasi-Aydin	
KUTH	Kutahya	
AUKUT	KUTAHYA	
ANDZ	Kutahya, Merkez-Andiz	
KUZU	Kuzuini	
LADK	Ladik-KONYA	
LPK	Lapseki	
LAPS	Lapseki, ANAKKALE	
LOD	Lodumlu	
MYA	Malataya	
MALT	Malatya	
MLTT	Malatya	
HEKM	Malatya_Hekimhani	
MAYA	Malatya/Merkez	
MLAZ	Malazgirt-MUS	
KYSD	Maltepe/Istanbul	
MNVG	Manavgat-Antalya	
MANT	Manisa	
MARD	Mardin	
MIDY	Mardin/Midyat-Merkez	
MADA	Marmara adas, BALIKESR	
MRMT	Marmara Adasi	
MAR1	Marmaraadasi Cinnet	
BOTS	Marmara Ereglisi-Tekirdag	
SBT3	Marmara-Ereglisi-Tekirdag	
SB02	Marmara Sea	
MRSB	Marmaris-Mugla	
MAR2	Marsite Station 2 Hoskoy	
MAR4	Marsite Station 4	
MAR8	Marsite Station Cinarli Koyu	
MAR3	Marsite Station Guzelkoy	
MAR6	Marsite Station Kirazli	
MAR9	Marsite Station Marmara Adasi	
MAR7	Marsite Station Mursalli	
MAR5	Marsite Station Ucmakdere	
MRTI	Martiadasi	
MAZI	Mazidag	
RFTAA	Mazikoy-Bodrum	
MGN	Mengen	
MERS	Mersin	
DED	Mersin	
KIZK	Mersin	
GULN	MERSIN_Gulnar	
MIAN	Miandaros Cinnet	
AUMIH	MIHALICIK	
MLSB	Milas	
SABU	Mula-Dalaman-Sabunlu	
YAZI	Mula-Dat§a-Yazk¶y	
IZZE	Mula-Seydikemer-zzettin	
KNIK	Mula-Seydikemer-Knk	
MDNY	Mudanya-Bursa	
MDU	Mudurnu	
MUT	Mudurnu	
MDUB	Mudurnu	
MULA	Mugla, Merkez-Ikizce	
MRFT	Murafatepe	
MURA	Muratl, TEKRDA	
MFT	Murefte	
MUSM	Mu-Merkez	
NAL	Nallihan	
KHMN	Narli-Kahramanmaras	
NART	Narlikuyu	
NAZL	Nazilli-Aydin	
AVNS	Nevsehir-Avanos	
NIG	Nigde	
BSTP	Nigde	
NIDE	Nigde/Merkez-Gumusler	
NZIP	Nizip/Gaziantep	
NRTH	North beach	
ODEM	Odemis-Izmir	
OILH	Oil house	
EOLT	Oltu	
ORDU	Ordu-Boztepe	
OREN	Orenkoy-Mersin	
ORLT	Orhaneli	
ORHG	Orhangazi	
ORH	Orhaniye	
KAMA	Osmaniye	
OSMT	Osmaniye	
RFTD	Palamutbuku-Kayakoy-Datca	
PLU	Palu	
PZAR	Pazar-Rize	
PERT	Persembe	
PRSB	Persembe-Ordu	
PTK	Pertek	
PIRH	Pier house	
PINB	Pinarbasi	
PHSR	Pinarhisar	
POLA	Polatl-ANKARA	
EPOS	Posof	
POWD	Powder case	
RAM	Raman	
REFA	Refahiye_ERZNCAN	
RSDY	Resadiye-TOKAT	
REYT	Reyhanli	
IZDR	Rize	
SFRN	Safran	
SAFT	Safranbolu	
STBT	Saitabat	
GEYV	SAKARYA_Geyve	
SAHE	Sakarya_HENDEK	
KAYN	Sakarya, Kaynarca-Tasoluk	
SMDT	Samandagi	
SAMS	Samsun-Alacam	
SATE	Sancaktepe, STANBUL	
SANL	SANLIURFA_Merkez	
SURC	SANLIURFA_SURC	
SPNC	Sapanca-Adapazari	
SHAP	Saphane-Kutahya	
SARI	SarD1z-Kayseri	
SRCK	Saricakaya, Eskisehir	
CUSAR	Sarkisla-SIVAS	
RKY	Sarkoy-Tekirdag	
SAY	Sayfiye	
RFT1	Sazli	
SCRP	Scyscraper	
SEDF	Sedefadasi Cinnet	
SLMY	Selimiye	
SEMD	Semdilli	
SENK	Senkaya-Erzurum	
SAUV	Serdivan-Sakarya	
SERE	Sereflikochisar	
SGT	Sevinc	
SYT	Seydisehir	
SEYD	Seydisehir-KONYA	
SHTH	Shelter house	
SRTM	Siirt_Merkez	
PERV	Siirt/Pervari-Merkez	
SILT	Sile	
SLF	Silifke	
SLFK	Silifke-Mersin	
SILI	Silifke-Mersin	
SLVT	Silivri	
SVAN	Silvan-Diyarbakir	
SIMA	Simav-Kutahya	
SMAA	Simav-Kutahya	
SINB	Sinanoba-Istanbul	
SINP	Sinop	
SNOP	Sinop	
BOYA	Sinop/Boyabat-Salar	
SINO	SINOP_Merkez	
SIRT	Sirnak	
SIRN	Sırnak	
SVST	Sivas	
CUAYA	Sivas-Altinyayla-Merkez	
SVRC	Sivrice-ELAZID	
ESGZ	Sivrice-Elazig	
ESIJ	Sivrice-Elazig	
SGKT	Sivrigoynuk	
AUSIV	SIVRIHISAR	
SVRH	Sivrihisar-ESKISEHIR	
SCER	sogukcermik	
SOMA	Soma-Manisa	
SHUT	Suhut-Afyon	
SDAG	Sultandagi-AFYON	
SULT	Sultanhani-AKSARAY	
ENZZ	Sultanice-Enez-Edirne	
SUSE	Susehri	
SLK	Susurluk	
SUSR	Susurluk-Balikesir	
SUTC	Sutluce-Isparta	
TAHT	Tahtakopru-Hatay	
TASB	TASBURUN-IGDIR	
BTAS	Taskesti	
TST	Taslik	
AYDN	Tasoluk	
TATV	Tatvan	
TVSB	Tavsanli	
GELI	Tayfur-Gelibolu	
ETEKE	Tekederesi - Erzurum	
TEKE	Tekeli-Mersin	
TDAG	Tekirdag	
SART	Tekirdag	
TKR	Tekirdag	
TKTP	Tekketepe	
TEPE	Tepekoy-Mersin	
TEPK	Tepekoy-MERSIN	
TRML	Termal-Yalova	
TSVK	Tesvikiye-Yalova	
TEVE	Tevekalti-Mersin	
TISA	Tisan-Mersin	
TOKA	Tokat	
TOKT	Tokat	
BTOK	Tokmak	
TTK	Tokmak	
TOS	Tosya	
MACK	Trabzon	
KTUT	Trabzon	
TBZ	Trabzon	
TNC	Tunceli	
TNCL	Tunceli-Merkez	
TRHT	Turhal	
TRKT	Turkoglu	
TURN	Turunc	
TUTA	Tutak	
AKFT	Tuzla	
TUZL	Tuzla-Istanbul	
BNAZ	Uak-Banaz	
ULDT	Uludag	
UNCK	Uncukuru	
URFA	Urfa	
USAK	Uak-Merkez	
UVEZ	Uvezbeli-DUZCE	
EUZM	Uzumlu	
UZU	Uzumlu	
UKOP	Uzunkopru-Edirne	
VNT	Van	
VANB	Van	
TVAN	Van	
VANT	Van	
VMUR	Van-Muradiye	
OZAP	Van, Ozalp-Merkez	
VRT	Varto	
VRTB	Varto-Mus	
VEZ	Vezirkopru	
YKBL	Yakuplu-Istanbul	
YALI	Yalozu-CANKIRI	
YKAV	Yalikavak-Bodrum	
KIYI	Yalıkoy-Catalca	
CTYL	Yalikoy Yolu	
CFTB	Yalova	
YLVH	Yalova	
SDSN	Yalova	
YLV	Yalova	
YALV	Yalova Cinnet	
KURT	Yalova, Merkez, Kurtkoy	
YAMN	Yamanlar	
YARM	Yarimca-Ladik(Samsun)	
YYLC	Yaylacik	
YAYL	Yayladag	
YAYX	Yaylak	
YEDI	Yedisu-Bingol	
YELT	Yellice	
BCAM	Yenicaga	
YNCM	YENICE	
YENI	Yenice-Canakkale	
YER	Yerkesik	
YESI	Yesilovacik-Mersin	
YESY	Yesilyurt	
YGTL	Yigitali	
MUGL	Yilanlidag	
YORU	Yoruktepe-Mersin	
YOZ	Yozgat	
SIRC	Yozgat	
CKRK	Yozgat, Cekerek-Merkez	
YUMT	Yumurtalik	
YURE	YUREGIR	
YUVA	Yuva-Kibriscik (Bolu)	
CUZAR	Zara_SIVAS	
ZYBG	Zeytinbag	
AYDB	Zeytinkoy-Aydin	
ZGT	Zonguldak	
DEVR	Zonguldak/Devrek-Atalar	
KMST		
Turkmenistan		
ABKT	Ailbek	
GEYT	Alibeck	
GYA0	ALIBECK ARRAY SITE A0	
GYA0B	ALIBECK ARRAY SITE A0B	
GYA1	ALIBECK ARRAY SITE A1	
GYA2	ALIBECK ARRAY SITE A2	
GYA3	ALIBECK ARRAY SITE A3	
GYB1	ALIBECK ARRAY SITE B1	
GYB2	ALIBECK ARRAY SITE B2	
GYB3	ALIBECK ARRAY SITE B3	
GYB4	ALIBECK ARRAY SITE B4	
GYB5	ALIBECK ARRAY SITE B5	
ASH	Ashkhabad	
ASHT	Ashkhabad	
BAT	Bayram-Ali	
CAGT	Chagyl	
CHDS	Charjew	
GARG	Garrygala	
GAUS	Gevers	
GZLA	Gyzyletrek	
KAH	Kaushut	
KAT	Kizyl-Arvat	
KRF	Krasnovodsk	
MNYS	Manysh	
MRY	Mary	
NBD	Nebitdag	
VAN	Vannovskaya	
United Arab Emirates		
Abu Dhabi		
AJN	Ajban	
MZR	Muzera	
Fujairah		
UOSS	Minazif	
Umm Al-Quwain		
UMQ	Umm Al-Quwin	
ALNE	Al Ain	
ASUD	Al Ashush, Dubai	
FAQ	Al Faqa, Dubai	
MSFE	Esma-Masafi	
HATD	Hatta, Dubai	
MZWR	Madinat Zayed	
NAZ	Nazwa, Dubai	
JRN	Qarnain Island	
GHWR	Ruwais	
SHME	Shamm	
SLWR	Sila	
ESRB	Sir Abu	
UMZA	Um Al Zommool	
Uttar Pradesh		
BRCH	BAHRAICH	
BNDA	BANDA	
FRKB	FARRUKHABAD	
LKN	LUCKNOW	
MERT	Meerut	
Uzbekistan		
AGL	Agalyk	
ALTU	Alat	
ANR	Andizhan	
ANE	Angren	
ARNAS	Arnasay	
AUR	Aurakhmat	
BXML	Bakhmal	
BAYS	Baysun	
BUXR	Bukhara	
BSTN	Buston	
CHDK	Chadak	
CHRV	Charvak	
CHET	Chet-Su	
CHMG	Chimgan	
CHMI	Chimion	
DZN	Dzhankel'dy	
DZI	Dzhizak	
FRG	Fergana	
GAY	Galvasay	
GZLY	Gazly	
KPVT	Kampiravat	
KRSA	Karasay	
KSNS	Kasansay	
KKRN	Kattakurgan	
KHV	Khiva	
KDK	Khodzhikent	
KTAB	Kitab	
KLKU	Kulkuduk	
KUMR	Kumaryk	
LNC	Lunacharskoye	
MNGT	Mangit	
MINT	Mingtut	
NAM	Namangan	
NAP	Napay	
NZBK	Nazarbek	
NUKS	Nukus	
NUT	Nurota	
PKMR	Pachkamar	
PSK	Pskem	
SAM	Samarkand	
SHAK	Shakhimardan	
SUKO	Sukok	
THTP	Takhtakupir	
TMD	Tamdy-Bulak	
TSTA	Tashata	
TGS	TashGRES	
TAS	Tashkent	
TVKS	Tavaksay	
TOYT	Toytepa	
YBZ	Yangibazar	
YNGY	Yangiyul	
ZRB	Zarabog	
Vietnam		
BCVB	Bac Can	
BGV	Bac-Giang	
BVV	Ba Vi	
CBVB	Cao Bang	
CKVB	Chieng Khoang	
CLVV	Chieng Lao	
CTVN	Chua Tram	
CCVB	Con Cuong	
MUVB	Co Noi	
DBV	Dienbien	
DHV	Doan Hung	
DSV	Doi Son	
HGVB	Ha Giang	
HNV	Hanoi	
HBV2	Hoa Binh	
HBVN	Hoa-Binh	
HUV	Hue	
MLVB	It Ong	
KSVV	Ky Son	
LUV	Laichau	
LCVN	Lai Chau	
LAVB	Lang Chanh	
LAVN	Lang Chanh	
LNVN	Lang Ngam	
LSVB	Lang Son station	
MTZV	Met	
MCVV	Moc Chau	
MLAV	Muong La station	
NTV	Nha Trang	
NHA	Nha-Trang	
PLV	Phu-Lien	
NCV	Pung Luong	
SPV	Sa-pa	
BMV	Son La	
SLVN	Son La	
DLVO	T a@11 Lat	
DLV	T a@11 Lat	
TDV	Tam Dao	
THV	Thanh Hoa	
BC2V	Than Uyen	
TIYB	Tien Yen	
TTVN	Tram Tau	
TGV	Tuan Giao	
TLV	Tu Ly	
TQV	Tuyen-Quang	
VIVB	Vinh	
VIV	Vinh	
VTVB	Vinh Tuy	
YTV	Yen Tu	
West Bengal		
COBR	COOCHBEHAR	
JPG	JALPAIGURI	
Xinjiang Uygur Zizhiqu		
KSH0	Kashi	
Yemen		
ADEN	Aden	
RADA	Ahram - Rada'a city Al-Baydha Gov. - Yemen	
BDHA	Al Bayda'	
MUKL	Al Mukalla	
MUKH	Al Mukha	
UDYN	Al `Udayn	
ATAQ	`Ataq	
TRBA	At Turbah	
DHBB	Dhama@18r BB	
DAMY	Dhamar	
DHMR	Dhamar	
ERIN	Erian - IBB Gov. - Yemen	
HAJJ	Hajjah	
HRAD	Harad	
HNSH	Hunish Island	
ADDN	Jabal Ad Dan - Dhamar Gov. - Yemen	
KAMRY	Kamaran Island	
MNKH	Manakhah	
MARB	Ma'rib	
AMUK	Mukalla, MUK	
SADA	Sad`ah	
SANA	San`a	
SYON	Say'un	
SOCY	Socotra	
SMRH	Sumara - IBB Gov. - Yemen	
TAIZ	Ta`izz	
LBOA	Yemen, LBO	

Code	*Station Name*	*Other*
ASAN	Yemen, SAN	
ATRB	Yemen, TRB	
UDY	Yemen, UDY	
ZBID	Zabid	
ZUQR	Zugar Island	
ZQRN	Zuqar Island	
LBOS		
ATLANTIC OCEAN/ARCTIC OCEAN		
Ascension		
ASCN	Ascension	
H10N1	ASCENSION HYDROACOUSTIC SITE N1	
H10N2	ASCENSION HYDROACOUSTIC SITE N2	
H10N3	ASCENSION HYDROACOUSTIC SITE N3	
H10S1	ASCENSION HYDROACOUSTIC SITE S1	
H10S2	ASCENSION HYDROACOUSTIC SITE S2	
H10S3	ASCENSION HYDROACOUSTIC SITE S3	
ASH19	Ascension Island Hydrophone Array Site 19	
ASH21	Ascension Island Hydrophone Array Site 21	
ASH23	Ascension Island Hydrophone Array Site 23	
ASH24	Ascension Island Hydrophone Array Site 24	
ASH25	Ascension Island Hydrophone Array Site 25	
ASH26	Ascension Island Hydrophone Array Site 26	
ASH27	Ascension Island Hydrophone Array Site 27	
ASH29	Ascension Island Hydrophone Array Site 29	
I50GB	ASCENSION ISLAND INFRASONIC ARRAY REFERENCE POINT	
Bermuda		
BBSR	BB Station	
BEC	Bermuda--Columbia	
I51GB	BERMUDA INFRASONIC ARRAY REFERENCE POINT	
BEN	Bermuda-Navy	
PSBMU	Warwick Parish	
Faeroe Islands		
FHV	Haldarsvik	
SOFL	Sornfelli, Faroe Islands	
FSD	Sut uroy	
FSV	Svinoy	
FTO	Torshavn	
FVA	Vagar	
Falkland Islands		
EFI	East Falkland Island	
FLK	Falkland Islands	
PSF	Port Stanley	
Greenland		
ASIG	Aasiaat, Greenland	
ASSG	Aftenstjerne Lake, Greenland	
ANGG	Ammassalik, Greenland	
ATTUG	Attu	
CCG	Camp Century	
CFJ	Citronen Fjord	
DBG	Daneborg	
DAG	Danmarks Havn	
DY2G	Dye2	
EGRIP	EGRIP Drilling camp	
FFBG	Frank Field Bay, Greenland	
GDH	Godhavn	
ICESG	Greenland Icesheet	
HJO	Hjoernedal	
IC-GL	Ice Cap	
IC-	Ice Cap	IC-GL
IS2	Icelocation 2	
ILULI	Ilulissat	
ILUG	Ilulissat, Greenland	
ILG	Inge Lehmann	IC-GL
ISOG	Isortoq, Greenland	
IVI	Ivigtut	
KAGG	Kagssortoq	
SFJD	Kangerlussuaq 2	
SF2	Kangerlussuaq 2	
KTG	Kap Tobin	
KULLO	Kullorsuaq	
KULG	Kulusuk, Greenland	
NRS	Narsarsuaq	
NIAQ	Niaqornat	
NOR	Nord	
NEEM	North Greenland Eemian Ice Drilling site	
NGR	North Grip Drilling Camp	
NUUG	Nuugaatsiaq	
NUUK	Nuuk	
PAAG	Paamiut	
I18DK	QAANAAQ INFRASONIC ARRAY REFERENCE POINT	
RYL	Rypely	
SAATT	Saattut	
SAQQ	Saqqaq	
SA1G	Sarfartoq 1, Greenland	
SA2G	Sarfartoq 2, Greenland	
SA3G	Sarfartoq 3, Greenland	
SA4G	Sarfartoq 4, Greenland	
SCO	Scoresbysund	
SISG	Sisimiut, Greenland	
SOEG	Soedalen	
SFJ	Sondre	
SUMG	Summit	
TE-	Thule	TE-GL
THULE	Thule	
TE-GL	Thule	
TULEG	Thule	
THU	Thule	
UPNV	Upernavik	
UPNG	Upernavik	
UMMG	Uummannaq	
UMM	Uummannaq	
Iceland		
IASB	A@15sbjarnarstat ir	
AKU	Akureyri	
AKU-	Akureyri	
IALF	Alftagrof	
IADA	Aoalbol	
IASK	Askja	
IASM	Asmuli	
IASO	Asolfsskalaheidi	
IAUS	Austmannsbunga	
BARD	Bardarbunga	
IBEY	Bjarnarey	
IBJA	Bjarnastaoir	
BORG	Borgarnes	
IBRE	Brettingsstaoir	
IBRU	Bruarjokull	
IBJK	Bruarjokull	
IDIM	Dimmadalss	
IDYN	Dyngjuhals	
IDJK	Dyngjujokull	
EGI	Egilsstadhir	
IEDA	Engidalur	
IENT	Enta	
IESK	Eystri-Skogar	
IFAG	Fagurholsmyri	
IFAL	Falljokull	
IFED	Fedgar	
IFLA	Flatey	
IGIL	Gilhagi	
IGLU	Glumsstadir	
IGOD	Go??abunga	
IGFL	Graenufjoll	
IGRA	Granastaoir	
IGRI	Grimsey	
IGRF	Grimsfjall	
IGRS	Grimsstaoir	
IGRV	Grindav??k	
IGHS	Grjothals	
IGHA	Grjothals	
IGYG	Gygjarholskot	
IHAE	Haedir	
HAH	Hahryggur	
IHAM	Hamarinn	
IHOX	Haoxl	
IHAU	Haukadalur	
IHEI	Heioarbar	
IHLA	Hella	
IHED	Heoinshofoi	
IHES	Hestalda	
IHRN	Hraun	
IHUS	Husbondi	
IHVA	Hvannstoosfjoll	
IHVE	Hveravellir	
IIEY	Innrieyrar	
IJOK	Jokulheimar	
IKAS	Kald??rsel	
IKAL	Kalfafell	
IKSK	Karasker	
IKIS	Kista	
IKRE	Kreppuhraun	
IKVO	Krokottuvotn	
IKRO	Krokur	
IKRI	Krysuvik	
IKUD	Kuludalsa	
IKVE	Kverkfjoll	
IKVI	Kvisker	
IHVO	Lagu-Hvolar	
ILEI	Leirhofn	
LJO	Ljotipollur	
ILOD	Lodnugiljahaus	
IMEL	Melhnausar	
IMIM	Midmork2	
IMID	Miomork	
IMJO	Mjoaskard	
IMKO	Mokollar	
IMOR	Morastadir	
INYL	Nylenda	
IOLF	Oldufell	
IRNE	Reykjanes	
REY	Reykjavik	
IREN	Reynihlio	
IRJU	Rjupnafell	
ISAN	Sandskeio	
ISAU	Saurbar	
SID	Sida	
ISIG	Siglufjorour	
ISKI	Skildingahlshraun	
ISKR	Skrokkalda	
ISLY	Slysaalda	
ISMJ	Smjorgil	
ISNB	Snabyli	
ISOL	Solvholt	
ISTE	Stelbrattur	
ISVA	Svartarkot	
THOR	Thorvaldshraun	
IURH	Urdarhals	
IVAT	Vatnsfell	
IVEY	Vestmannaeyjar	
IVES	Vestmannaeyjar	
IVME	Vestmannaeyjar	
VIK	Vik	
IVOG	Vogar	
IVOS	Vogsosar	
IVON	Vonarskard	
IVOT	Vottur	
IVSH	V-Sauoahnukur	
Saint Helena		
SHEL	Horse Pasture	
SHLN	Saint Helena Island	
South Georgia Islands		
HOPE	Hope Point	
KEP	King Edward Point	
Tristan da Cunha		
TRIS	Tristan da Cunha	
I49GB	TRISTAN DA CUNHA ISLAND. INFRASONIC ARRAY REFERENCE POINT	
H09N1	TRISTAN DA CUNHA T-PHASE SITE N1	
H09W1	TRISTAN DA CUNHA T-PHASE SITE W1	
TDC1	Tristan de Cunha	
AUSTRALASIA		
Australia		
BRSB	Brisbane	
Australian Capital Territory		
RNDA	Aranda	
CAN	Canberra	
CNB	Canberra Magnetic Observatory	
AUDAR	Daramalan College	
KMBH	Kambah	
KOW	Kowen Forest	
AUMHS	Melrose High School	
AUMTS	Mt Stromlo	
AUSIS	Research School of Earth Sciences	
Macquarie Islands		
MCQ	Macquarie Island	
MQI	Macquarie Island	
New South Wales		
ARMA	Armidale	
AVO	Avon	
BWA	Boorowa	
BUDM	Budderoo	
BJEM	Burrinjuck	
BJDM	Burrinjuck Dam	
CBR	Cabramurra	
CAB	Cabramurra	
CAH	Castle Hill	
CTBM	Cataract Bedrock	
CTDM	Cataract Dam	
CAVM	Cavillon	
CHAM	Chaffey Accelerograph	
CHFM	Chaffey Dam	
CMS	Cobar Meteorology Station	
CMSA	Cobar Meteorology Station	
EPSO	Coonabarabran	
COO	Cooney Tunnel	
COPM	Copeton	
CKWL	Crookwell	
DLN	Dalton (NSW)	
AUDCS	Dubbo College Senior Campus	
EUGM	Eugowra	
FTZM	Fitzroy Falls	
GEE	Geehi	
GBBM	Glenbawn Bedrock	
GBAM	Glenbawn Dam	
GLNM	Glennies Creek Dam	
GRVM	Greaves Creek	
GUND	Gundaroo	
HLA	Hall's Lagoon	
IVN	Inveralochy	
INV	Inveralochy	
IVY	Inveralochy	
JBRM	Jenolan Black	
JNL	Jenolan Caves	
JIN	Jindabyne	
KANM	Kanangra Walls	
KPTM	Keepit Bedrock	
KPAM	Keepit Dam	
KHA	Khancoban	
AUKHS	Kincumber High School	
KTLM	Kings Tableland	
WOOD	Lake Woodford	
LER	Lerida	
LBXM	Letterbox	
AULRC	Lightning Ridge Central School	
LTGO	Lithgow	
LHI	Lord Howe Island	
LOSM	Lostock Dam	
LHBM	Lucas Heights	
MGCD	Mangrove Creek Dam	
MKPT	Marks Point, NSW, Australia	
MEG	Meangora	
MILA	Mila	
AUMAG	Moama Anglican Grammar School	
MEA	Monteagle	
MBA	Mount Bingar	
CPXM	Mount Cotopaxi	
AUMUL	Mullumbimby High School	
NARM	Nariel	
NATM	Nattai	
NTLH	Newcastle Hard Rock	
NTLS	Newcastle Soft Rock	
ORNG	Orange	
AUPHS	Peel High School	
PHDM	Pipehead	
REDH	Redhead, NSW Australia	
RIV	Riverview	
SBR	S Black Range	
AUSMG	Snowy Mountains Grammar School, Jindabyne	
SPRM	Split Rock	
STKA	Stephens Creek	
STK	Stephens Creek	
SWAN	Swansea	
DNSO	Sydney	
SYD	Sydney	
SYDH	Sydney Hard Rock	
SYDS	Sydney Soft Rock	
TAO	Talbingo	
TLNG	Tallong	
TALM	Tallowa	
TALL	Tallowa Pump Stn	
AUTKS	The King's School, Parramatta	
TPND	Tumut Pond Dam	
AUUHS	Ulladulla High School, Ulladulla	
WAM	Wambrook	
WGBM	Warragamba	
WDBM	Warragamba Dam	
WER	Werombi	
WOLH	Wollongong Hard Rock	
WRNM	Woronora	
WYA	Wyangala	
YERM	Yerranderie	
YNG	Young	
YOU	Young	
Norfolk Island		
NRFK	Norfolk	
NFK	Norfolk Island	
NIA	Norfolk Island	
Northern Territories		
AUDHS	Darwin High School	
AUKAT	Katherine High School	
AUNHS	Nhulunbuy High School	
Northern Territory		
ASPA	Alice Springs	
ASP	Alice Springs	
ASAR	Alice Springs Array Beam Reference Point	
AS01	Alice Springs Array Site 1	
AS10	Alice Springs Array Site 10	
AS11	Alice Springs Array Site 11	
AS12	Alice Springs Array Site 12	ASAR
AS13	Alice Springs Array Site 13	
AS14	Alice Springs Array Site 14	
AS15	Alice Springs Array Site 15	
AS16	Alice Springs Array Site 16	
AS17	Alice Springs Array Site 17	
AS18	Alice Springs Array Site 18	
AS19	Alice Springs Array Site 19	
AS02	Alice Springs Array Site 2	
AS03	Alice Springs Array Site 3	
AS04	Alice Springs Array Site 4	
AS05	Alice Springs Array Site 5	
AS06	Alice Springs Array Site 6	
AS07	Alice Springs Array Site 7	
AS08	Alice Springs Array Site 8	
AS09	Alice Springs Array Site 9	
AS31	Alice Springs Site	
DAR	Darwin	
DPH	Darwin Parliament House	
DRS	Darwin Rock Store	
KDU	Kakadu	
KAKA	Kakadu	
MTN	Manton Dam	
WRAB	Tennant Creek	
WB1	Warramunga Ar.	
WRB	Warramunga Array	
WCB	Warramunga Array	
WRA	Warramunga Array Beam Reference Point	
WB0	Warramunga Array Site B0	
WB2	Warramunga Array Site B2	
WB3	Warramunga Array Site B3	
WB4	Warramunga Array Site B4	
WB5	Warramunga Array Site B5	
WB6	Warramunga Array Site B6	
WB7	Warramunga Array Site B7	
WB8	Warramunga Array Site B8	
WB9	Warramunga Array Site B9	
WC1	Warramunga Array Site C1	
WC2	Warramunga Array Site C2	
WC3	Warramunga Array Site C3	
WC4	Warramunga Array Site C4	
WR0	Warramunga Array Site R0	
WR1	Warramunga Array Site R1	
WR2	Warramunga Array Site R2	
WR3	Warramunga Array Site R3	
WR4	Warramunga Array Site R4	
WR5	Warramunga Array Site R5	
WR6	Warramunga Array Site R6	
WR7	Warramunga Array Site R7	
WR8	Warramunga Array Site R8	
WR9	Warramunga Array Site R9	
I07AU	WARRAMUNGA INFRASONIC ARRAY REFERENCE POINT	
WRAI	Warramunga Infrasound Array Beam Reference Point	
Queensland		
AWOON	Awoonga Dam	
AWDQ	Awoonga Dam 3	
AUAYR	Ayr State High School	
BEEN	Beenleigh	
AUBSH	Beerwah State High School	
BOON	Boondooma	
BDMQ	Boondooma Dam	
BW2S	Bowen Soft Rock	
BRS	Brisbane	
BN2S	Brisbane 2 Soft	
BR1	Brisbane hardrock	
BN1H	Brisbane Hard Rock	
BR2	Brisbane softrock	
BSLQ	Bruslee	
WBAQ	Buaraba 3	
BURD	Burdekin Lookout	
CN1H	Cairns Hard Rock	
CNS1	Cairns-h seis/acc	
CN2S	Cairns Soft Rock	
AUCSH	Cairns State High School	
CTA	Charters Towers	
CTAO	Charters Towers	CTA
CHIL	Chillagoe	

Code	Station Name	Other
COEN	Coen	
CVLQ	Collinsville	
DLBQ	Dalbeg	
DNGQ	Doongara	
EASTN	East End Reserv.	
EIDS	Eidsvold	
FAIR	Fairbairn	
FGTQ	Fig Tree	
FS03	Four Seasons	
FRED	Fred Haigh	
GLADS	Gladstone Plant	
GD1S	Gladstone Soft Rock	
BGRQ	Glenroy	
GC1S	Gold Coast 1 Soft	
GC2F	Gold Coast 2 Fill	
GC2	Gold Coast Softrock	
GC1	Gold Cst Hrdrock	
HINZ	Hinze Dam	
KDA	Kuranda	
WMBQ	Mount Brisbane	
MCPQ	Mount Cooper	
MHPQ	Mount Hope	
ISQ	Mount Isa	
QIS	Mount Isa	
MORG	Mount Morgan	
MTSU	Mount Surprise	
AUMOU	Moura State High School	
AUNRC	North Rockhampton State High School	
PETE	Peter Faust Dam	
PDDM	Pindari Dam	
WPMQ	Pine Mountain	
QLP	Quilpie	
WRCQ	Reedy Creek 5	
RK1	Rhampton Hrock	
RK2	Rhampton Srock	
RK2S	Rockhampton 2 Soft	
RK1H	Rockhampton Hard Rock	
RTQ	Roma	
RMQ	Roma	
RDSS	Rosedale State School	
WTRQ	Thallon Road	
TINA	Tinaroo	
WTGQ	Toogoolawah	
WOOM	Toowoomba	
TW1H	Toowoomba 1 Hard	
AUTOO	Toowoomba State High School	
TVL	Townsville	
TV1H	Townsville Hard Rock	
TV2S	Townsville Soft Rock	
UKAQ	Ukalunda	
AUWSH	Wavell State High School	
WWHQ	Wivenhoe Hill 3	
WPA	Woody Point	
South Australia		
ADE	Adelaide	
ARKL	Arkaroola	
BBOO	Buckleboo	
CLV	Cleve	
AUCAS	Cummins Area School	
EDO	Endilloe	
GLEN	Glenside	
GHSS	Government House	
HTT	Hallett	
HML1	Hamley Bridge	
HKER	Hawker	
HWKN	Hawk's Nest	
HKN	Hawks Nest	
HMV1	Hindmarsh Valley	
INKA	Innaminka	
ILN	Island Lagoon	
JMS1	Jamestown	
AUJCS	Jamestown Central School	
KELC	Kelly Hill Caves	
LCRK	Leigh Creek	
LBTL	Lobethal	
AUMAR	Marden Senior College	
MPTV	Morphett Vale	
MGBR	Mount Gambier	
MRAT	Mt Rat	
MULG	Mulgathing	
MYLR	Mylor	
MYP	Myponga	
NAPP	Napperby	
NBK	Nectar Brook	
OOD	Oodnadatta	
PLMR	Palmer	
PARN	Parndana	
PNA	Partacoona	
PBR1	Peterborough	
PTPS	Port Pirie	
AURMK	Renmark High School	
ROBE	Robe	
RPA	Roopena	
AUROX	Roxby Downs High School	
SDAN	Sedan	
SNL	Sevenhill	
STR2	Strathalbyn	
UTT	Tea Tree Gully	
TWOA	Tennyson Woods	
THS	The Heights School	
TPSO	The Peters Seismological Observatory	
UMB	Umberatana	
WHYH	Whyalla	
WKA	Willalooka	
FR27	Wilpena Pound	
WSA	Woomera	
YE6	Yeelanna, site6	
Tasmania		
BNE	Burnie High School	
CORO	Coronation Park	
GEES	Gees Lookout	
GLAD	Gladstone	
FNT	Hobart	
I05AU	HOBART INFRASONIC ARRAY REFERENCE POINT	
MARG	Lake Margaret	
MIKA	Lake Mikany	
LMT	Lemonthyme	
AULHS	Lilydale High School, Lilydale	
MOO	Moorlands	
CLAW	Mount Claude	
NELS	Mount Nelson	
MTRD	Mount Read	
POAT	Poatina	
QTN	Queenstown	
SVR	Savage River	
SAV	Savannah	
SPK	Scotts Peak	
SFF	Sheffield	
STG	Strathgordon	
STGV	Strathgordon Vge	
AUTAR	Taroona High School, Taroona	
TRR	Tarraleah	
LEAH	Tarraleah	
TAU	Tasmania University	
Victoria		
ABEM	Aberfeldy	
BRAT	Ballarat	
BANM	Bannockburn	
BFD	Bellfield	
BOV	Bogong Mts	
BRWK	Brunswick	
BUV	Buchan	
BUCN	Buchan	
BUCM	Buckrabanyule	
CCRM	Cairn Curran	
CDNM	Cardinia	
GEAM	CSIRO Animal Health Laboratory	
DRT	Dartmouth	
DDBM	Dartmouth Bedrock	
DDCM	Dartmouth Crest	
DTMM	Dartmouth Digital	
GEXS	Deakin University, Geelong	
DVBM	Devilbend	
DRAM	Dora Dora	
DROM	Dromana	
FSHM	Fish Creek	
FRTM	Forrest	
GLMM	Glenmaggie	
GVL	Greenvale	
AUHPC	Hawkesdale P12 School	
HEXM	Hexham	
HUMM	Hume Dam	
IVSM	Inverness	
JENM	Jeeralang Junction	
AUKSC	Keysborough Secondary College	
KOWM	Kowarra	
LGTM	Lightning Creek	
MACM	Macedon	
MEL	Melbourne	
MITM	Mitta Mitta	
MLWM	Molesworth	
MDRM	Moondarra Dam	
MPDM	Moonee Ponds	
ARPS	Mount Arapiles	
HOPM	Mount Hope	
MTV	Mount Tassie	
MTLM	Mount Tassie Tower	
AUMTC	Mt Clear College-Earth Ed	
GOGM	North Grampians	
ROYM	Rob Roy	
ROKL	Rocklands	
ROKM	Rocklands Reservoir	
AURSC	Rosebud Secondary College	
LYNN	Rosslynne Res.	
ROWM	Rowsley	
RUSM	Rushworth	
AUSSC	Sale College, Sale	
MLBS	Spotswood, Melbourne	
SHYM	Surrey Hills	
TATM	Tatong	
TECM	TEC LaTrobe	
TOMM	Thomson	
TOO	Toolangi	
WILL	Willung South	
West Australia		
AUBUS	Georgiana Molloy Anglican School, Busselton	
AUKAL	John Paul College, Kalgoorlie	
AUKUL	Kulin High School, Kulin	
AUMAZ	Mazenod Senior College, Perth	
AUHAR	St Anne's School, Harvey	
AUALB	St Joseph's College, Albany	
AUKAR	St Luke's College, Karratha	
AUCAR	St Mary Star of the Sea, Carnarvon	
Western Australia		
BLDU	Ballidu	
BAL	Ballidu	
BEAC	Beacon	
WA4	Burakin	
CANN	Canning Dam	
H01W1	Cape Leeuwin Hydroacoustic Site W1	
H01W2	Cape Leeuwin Hydroacoustic Site W2	
H01W3	Cape Leeuwin Hydroacoustic Site W3	
CARL	Carlisle	
COOL	Coolgardie	
DAM	Dampier	
DOCK	Docker River	
FITX	Fitzroy Crossing	
FITZ	Fitzroy Crossing	
FORT	Forrest	
FORR	Forrest	
GLS	Giles	
GIRL	Giralia	
GNOW	Gnowangerup	
KLG	Kalgoorlie	
KLGA	Kalgoorlie	
KMBL	Kambalda	
KAA	Karratha	
KLB	Kellerberrin	
KLBR	Kellerberrin	
KNA	Kununurra	
KNRA	Kununurra	
LKGR	Lake Grace	
MBT	Marble Bar	
MBL	Marble Bar	
MBWA	Marble Bar	
MEKA	Meekatharra	
MEK	Meekatharra	
MEEK	Meekatharra	
MRWA	Morawa	
MORW	Morawa	
MTKN	Mount Kenneth	
MUN	Mundaring	
NAU	Nanutarra	
NANU	Nanutarra	
NWA	Narrogin	NWAO
NWAO	Narrogin (SRO)	
NDA	Nedlands	
PER	Perth	
PSA00	Pilbara Seismic Array Element 00	
PSAA1	Pilbara Seismic Array Element A1	
PSAA2	Pilbara Seismic Array Element A2	
PSAA3	Pilbara Seismic Array Element A3	
PSAB1	Pilbara Seismic Array Element B1	
PSAB2	Pilbara Seismic Array Element B2	
PSAB3	Pilbara Seismic Array Element B3	
PSAC1	Pilbara Seismic Array Element C1	
PSAC2	Pilbara Seismic Array Element C2	
PSAC3	Pilbara Seismic Array Element C3	
PSAD1	Pilbara Seismic Array Element D1	
PSAD2	Pilbara Seismic Array Element D2	
PSAD3	Pilbara Seismic Array Element D3	
RKGY	Rocky Gully	
RKG	Rocky Gully	
I04AU	SHANNON INFRASONIC ARRAY REFERENCE POINT	
SWV	Swan View	
WA3	Talbot Brook	
WA2	Wagin	
WRKA	Warakurna	
WARB	Warburton	
WBN	Warburton	
WAT	Watheroo	
WA1	Wongan Hills	
WOOL	Woolibar	
Australian Capital Territory		
PHB	Parliment House Basement	
New South Wales		
CATI	Cattai, Sydney	
KURI	Kurri Kurri	
MABG	Mt Annan Botanic Gardens	
OKDL	Oakdale	
SWANH	Swansea Heads	
WTPK	Wilton Park	
YARR	Yarramundi, NSW	
New Zealand		
Campbell Island		
CBZ	Campbell Island	
Chatham Islands		
I36NZ	CHATHAM INFRASONIC ARRAY REFERENCE POINT	
CTZ	Chatham Island	
CIZ	Chatham Islands	
Kermadec Islands		
GLKZ	Green Lake	
RIZ	Raoul Island	
RAO	Raoul Island	
AWANZ	Awakeri	
KAHNZ	Kaharoa	
KAONZ	Kaokaonui	
KRHZ	Kereru	
LRONZ	Lake Rotoehu	
MANNZ	Manawahe	
MARNZ	Maroera	
MAENZ	Matahina East	
MDQNZ	McDougall's Quarry	
PWZ	Pawanui	
POWZ	Post Office Road	
RAWNZ	Rawhiti Farm	
WAINZ	Waiotahi Valley	
WPHZ	Waipukurau	
North Island		
ALRZ	Allen Road	
ANWZ	Angora Road	
RAHZ	Arahi	
ARA	Arapuni	
ABAZ	Army Bay	
ARHZ	Aropaoanui	
AUC	Auckland	
AWAZ	Awhitu Peninsula	
BHW	Baring Head	
BLW	Big Hill	
BFZ	Birch Farm	
BSWZ	Blackbirch Station	
BHHZ	Black Hill Station	
BKZ	Black Stump Fm	
BUN	Bunnythorpe	
BSZ	Bushy Park	
CAW	Cannon Point	
CMWZ	Cape Campbell	
CKHZ	Cape Kidnappers	
CRZ	Cape Reinga	
CNGZ	Carnagh Station	
CAZ	Castlepoint	
CPWZ	Castlepoint	
CNZ	Chateau	
COVZ	Chateau Observatory	
DNN	Dannevirke	
DVHZ	Dannevirke	
DFE	Dawson Falls	
DRZ	Dome Shelter	
DREZ	Durham Road	
ECZ	East Cape	
ETAZ	East Tamaki Reservoir	
ETVZ	East Tongariro	
EPAZ	Eden Park BICEP	
EDRZ	Edgecumbe	
FWVZ	Far West T-bar	
GRRZ	Galatos Road	
GNZ	Gisborne	
GSZ	Glacier Shelter	
GBZ	Great Barrier	
GRZ	Great Barrier Island	
HRRZ	Handcock Road	
HARZ	Haroharo	
HAS	Hastings	
HIZ	Hauiti	
HNZ	Havelock North	
HNHZ	Havelock North	
HBAZ	Herne Bay Borehole	
HBZ	Hicks Bay	
HLRZ	Highlands Station	
HATZ	Hinemaiaia	
HITZ	Hingarae	
HOWZ	Holdsworth Station	
HSRZ	Hossack Road	
HUTZ	Huka	
KUTZ	Kaahu Road	
KARZ	Kaharoa	
KHEZ	Kahui Hut	
KAHZ	Kahuranaki	
KMRZ	Kaimai	
KIT*	Kaitaia	
KATZ	Kakaramea	
KIW	Kapiti Island	
KBAZ	Karaka Road Borehole	
KRP	Karapiro	
KRVZ	Karewarewa	
KAVZ	Karewarewa	
KAAZ	Kauri Point	
KWHZ	Kaweka Forest	
KETZ	Ketetahi	
TKEZ	Kiri Road	
KNZ	Kokohu	
KUZ	Kuaotunu	
LREZ	Lake Rotokare	
LIRZ	Lichensteins Rd	
MAHZ	Mahia	
MHGZ	Mahia Peninsula	
MOZ	Mahoenui	
MRW	Makara Radio	
MKRZ	Makatiti	
MARZ	Manawahe	
MNG	Mangahao	
MHEZ	Mangahewa	
MRZ	Mangatainoka River	
MTVZ	Mangateitei	
MRH	Marewa	
MXZ	Matakaoa Point	
MWZ	Matawai	
MRHZ	Matea Rd	
MGZ	Maungaku	
MTHZ	Maungataniwha	
MYRZ	Mayor Island	
MCHZ	McNeill Hill	
MOVZ	Moawhango	
MOH	Mohaka	
MOW	Moikau	
MSWZ	Moikau Station	
MTAZ	Motutapu	
MBAZ	Motutapu North Island, New Zealand	
MKAZ	Moumakai	
AMW	Mount Adams	
MTW	Mount Morrison	
TARZ	Mount Tarawera	
MUGZ	Murupara	
NMEZ	Namu Road	
NPR	Napier	
NMHZ	Naumai	
NWEZ	Newall Road	
NBEZ	Newall Road North Island, New Zealand	
NPZ	New Plymouth	
NRZ	Ngariki Road	
NGZ	Ngauruhoe	
NGRZ	Ngongotaha	
NEZ	North Egmont	
NOZ	North Gisborne	
NTVZ	North Tongariro	
OHWZ	Ohakea	
OPRZ	Ohinepanea	
OIZ	Oio	
OUZ	Omahuta	
OMRZ	Omania	
ONE	Onerahi	
OTW	Orongorongo Tunnel	
OGWZ	Otaki Gorge	
OTAZ	Otara	
OTVZ	Oturere	
PATZ	Paeroa	
PKGZ	Pakihiroa	
PLWZ	Palliser	
PREZ	Palmer Road	
PAHZ	Panekirikiri	
PARZ	Papamoa	
WSSZ	Parewanui	
PRGZ	Paritu Road	
PAWZ	Paruwai Farm	
PXZ	Pawanui	
PRRZ	Plateau Road	
PKVZ	Pokaka	
PGZ	Pongaroa	
PRHZ	Porangahau	
PRWZ	Pori Road	
PKE	Pukeiti	
PNHZ	Pukenui	
PUZ	Puketiti	
QHW	Quartz Hill	
RBY	Rainbow Mountain	
RAEZ	Rainy Point	
RGZ	Rangipo	
RATZ	Rangitukua	
RUGZ	Raukumara Range	
RUZ	Raurimu	
RAGZ	Rawiri	
RRRZ	Republican Road	
RITZ	Rihia Road	
RIGZ	Rimuhau	
RVAZ	Riverhead Borehole	
ROS	Roseneath	
ROT	Rotorua	
RTZ	Ruatahuna	
WSNZ	Santoft	
WSFZ	Santoft	
STN	Seatoun	
SNGZ	Shannon Station	
SNZO	South Karori	
WSDZ	Springvale	

Code	*Station Name*	*Other*
STZ	Stratford	
TOZ	Tahuroa Road	
TSZ	Takapari Road	
TRZ	Taradale	
TTH	Taradale Trig	
TAHZ	Taraponui	
TNZ	Tarata	
TAZ	Tarawera	
TGRZ	Tauranga	
TWVZ	Taurewa	
TWGZ	Tauwhareparae	
TEHZ	Te Atua	
HAZ	Te Kaha	
TKGZ	Te Karaka	
TMVZ	Te Maari	
TMWZ	Te Maipa	
TIWZ	Tintock	
TLZ	Tolley Road	
TON	Tongariro	
TRWZ	Traveller	
TUA	Tuai	
TUTZ	Tuhingamata	
TUVZ	Tukino	
TRVZ	Turoa	
URZ	Urewera	
UTU	Utuhina	
VRZ	Vera Road	
WNVZ	Wahianoa	
WTAZ	Waiatarua	
WIAZ	Waiheke Island	
WHHZ	Waihua	
WGZ	Waimangu	
WDW	Wainui Dam	
WMGZ	Waiomatatini Station	
WCZ	Waipu Caves	
WNZ	Wairakei	
WATZ	Wairara	
WAHZ	Wakarara	
WAZ	Wanganui	
WLFZ	Wanganui	
WEL	Wellington	
WTVZ	West Tongariro	
WHTZ	Whakaora	
WPVZ	Whakapapa	
WPRZ	Whakapapataringa	
WTZ	Whakatane	
WHH	Whakatau	
WHRZ	Whale Island	
WHVZ	Whangaehu Hut	
WLZ	Whitehall	
WIZ	White Island	
WSRZ	White Island Summit, North Island, New Zealand	
WHW	Wright's Hill	
South Island		
AKCZ	Akaroa Harbour	
AXZ	Alexandra	
AMCZ	Amberley	
ARCZ	Arundel	
BWZ	Berwen	
BBW	Black Birch	
BRZ	Borland Lodge	
BCZ	Braida Crags	
BSP	Bush Stream	
CFC	Cairnmuir Flats	
CMCZ	Cairnmuir Mts	
CRLZ	Canterbury Laser	
CCW	Cape Campbell	
CMZ	Cashmere	
CHR	Christchurch	
CYZ	Clyde	
CDZ	Cobb Dam	
COB	Cobb River	
DCZ	Deep Cove	
DNS	Denniston	
DSZ	Denniston North	
DMP	Diadem	
DNZ	Dunedin	
DND	Dunedin-Penfold	
DUWZ	D'Urville Island	
DIW	D'Urville Island	
EAZ	Earnscleugh	
EWZ	Erewhon	
EYCZ	Eyrewell	
FLW	Foulwind	
FOZ	Fox Glacier	
GCSZ	Gaunt Creek Borehole	
GPZ	Gebbies Pass	
GSP	Gladstone Stream	
GFW	Glenfield	
GLE	Glenmuick	
GVZ	Greta Valley South Island, New Zealand	
GRY	Greymouth	
HHSZ	Highcliff Hill	
HHP	Hogget Hill	
HGP	Huxley Gorge	
INZ	Inchbonnie	
JCZ	Jackson Bay	
KHZ	Kahutara	
KKZ	Kaikoura	
KKY	Kaikoura West	
KAI	Kaimata	
LBZ	Lake Benmore	
LMZ	Lake Moeraki	
LTZ	Lake Taylor	
LRCZ	Leaning Rock	
LSCZ	Lilico Spur	
MLZ	Mavora Lakes	
MQZ	McQueen's Valley	
MSZ	Milford Sound	
MNW	Monowai	
MHZ	Mount Horn	
MHCZ	Mount Hutt	
MJZ	Mount John	
MJP	Mount John Pukaki	
MMP	Mount Mary	
MMCZ	Mount Michael	
MSCZ	Moutere Station	
NNZ	Nelson	
OMZ	Oamaru	
OKCZ	Okains Bay	
ODZ	Otahua Downs	
OXZ	Oxford	
PPZ	Puysegur Point	
PYZ	Puysegur Point	
QRZ	Quartz Range	
RACZ	Rakaia	
RPZ	Rata Peaks	
RHP	Rhoboro Hills	
RTY	Rotoiti	
ROX	Roxburgh	
RTP	Ruataniwha	
SYZ	Scrubby Hill	
SBCZ	Sonora Basin	
TAK	Takaka	
THP	Tara Hills	
TMZ	Timaru	
TMP	Tomahawk Gully	
THZ	Tophouse	
TCW	Tory Channel	
TBC	Trig B	
TLC	Trig L	
TUWZ	Tuamarina	
TUZ	Tuapeka	
WPZ	Waipapa Point	
WAI	Wairiri	
WVZ	Waitaha Valley	
WACZ	Wakanui South Island, New Zealand	
WKZ	Wanaka	
WHZ	Wether Hill Road	
Stewart Island		
OBZ	Oban	
SIZ	Stewart Island	
APZ	The Paps	

Niue

NIUE	Niue	
LD09	OBS LD09	
LW26	OBS LW26	
LW28	OBS LW28	
LW30	OBS LW30	
NIUS	Tahileleki, Niue, NIUE	

Northern Territory

BOXOZ	Borroloola	
LAROZ	Larrimah, NT	
AUALC	St Philip's College	
WB10	Warramunga Array, NT	

North Island

NNVZ	North Ngauruhoe	
SNVZ	South Ngauruhoe	

Papua New Guinea

Admiralty Islands		
MOM	Momote	
Bougainville		
BUKA	Buka	
KOA	Kobuan	
BGA	Mount Bagana	
PAA	Panguna	
D'Entrecasteaux Islands		
BDO	Budoia	
ESA	Esa-ala	
ESB	Esa-ala	
LOSU	Losuia	
WDIS	Woodlark Island	
New Britain		
PGBAU	Baubata	
BIAL	Bialla	
BOI	Boisen	
CGA	Cape Gloucester Airport	
DOY	Duke of York Island	
DAW	Hoskins	
PGKAI	Kaiamu	
KET	Keravat	
KRT	Keravat	
KRVT	Keravat (AS076)	
KCM	Kilenge	
BULU	Kimbe	
KMBE	Kimbe	
KMB	Kimbe	
LAG	Langila	
PGMAR	Marapu	
MIP	Matupit	
MPT	Matupit Island	
EVZ	Mount Varzin	
NIS	Nissan Island	
PNB	Pomio	
RAL	Rabalanakaia	
RAB	Rabaul	
ERB	Rabaul (IGS)	
RPT	Raluana Point	
RAP	Rapindik	
ESM	Semalu	
SUL	Sulphur Creek	
TLS	Talasea	
TKA	Tanaka	
TAV	Tavurvur	
ETV	Tovanakuss	
ULA	Ulamona	
ULO	Ulamona	
VUL	Vulcan	
WAN	Wanliss Street	
EWT	Watom Island	
WITU	Witu Islands	
New Ireland		
EDY	Kabakon Island	
KAVG	Kavieng	
KAV	Kavieng	
KVG	Kavieng	
EKN	Konogogo	
ELB	Lambom Island	
LHIS	Lihir Island	
AGE	Agenahambo	
AITP	Aitape	
ALOA	Alotau	
ALTO	Alotau	
ALOT	Alotau	
BLLO	Bulolo	
DNG	Daru	
FINC	Finschhafen	
GKA	Goroka	
GRK	Goroka	
GRK1	Goroka	
KIAM	Kaiam	
KKI	Karkar Island	
I40PG	Keravat	
KRG	Kerema	
KDB	Konedobu	
KPN	Kupiano	
KUPN	Kupiano	
KUTA	Kuta	
LUNA	Lae	
LAE	Lae	
LAT	Lae	
LML	Lae--Mount Lunaman	
LKW	Lake Wisdom	
LMG	Lamington	
MDG	Madang	
MAD	Madang	
MANU	Manus Island	
MNDI	Mendi	
MISM	Misima Island	
MCAS	Mount Castle	
HAGN	Mount Hagen	
NADZ	Nadzab	
NAMA	Namatanai	
PIAM	Paiam	
PDUI	Pindiu	
POP	Popondetta	
PMG	Port Moresby	
PUR	Purari	
RABL	Rabaul	
SRPI	Serui, Papua	
TBL	Tabele	
TZZ	Tabubil	
OKTD	Tabubil	
TABU	Tabubil	
TPN	Tapini	
WAB	Wabag	
WAA	Waris	
WAU	Wau	
WEK	Wewak	
WEWK	Wewak	
WWW	Wewak	
WEW	Wewak	
WWKK	Wewakk	
YAN	Yangoru	
YYYY	Yonkie	
Solomon Islands		
AUK	Auki	
GIZ	Gizo	
HNR	Honiara	
LBT	Labete	
PIV	Piva	
RKS	Reko	
SVO	Savo	
VSG	Visale	

Queensland

AXCOZ	Aramac airstrip	
BW1H	Bowen Hard, QLD	
BRSA	Brisbane St Lucia campus	
NTNOZ	Mutton Hole Station, Normanton	
WOOW	Woowoonga Park, Biggenden, Queensland, Australia	

Solomon Islands

ALEG	Aligegeo Malaita	
HURO	Huro Makira	
SAVO	Savo Central	
TATA	Tatamba Isabel	
NGOA	Tingoa Renbel	

South Australia

BOX6	Mt Lofy	
AUMBR	Murray Bridge High School	
PENW	Penwortham, SA	
SUND	Sunnydale, South Australia	
WALR	Wallaroo	
WMRG	Woomera	
YAPP	Yappala Station, SA	

South Island

ADCS	Ashburton	
ASHY	Ashley	
MCHD	Bankside	
DARN6	Burnham, DAR6	
CCH2	Burnt Hill	
CMHS	Cashmere	
CSHS	Castle Hill	
ESND	Charing Cross	
DARN7	Charing Cross, DAR7	
CCH5	Chertsey	
REHS	Christchurch	
CBGS	Christchurch	
DFHS	Darfield	
MKYD	Doyleston	
SKTD	Dunsandel	
DARN2	Eyewell Forest, DAR2	
DARN8	Greendale, DAR8	
CACS	Harewood	
MNSD	Harewood	
STLD	Highbank	
DARN4	Hororata, DAR4	
CCH1	Kalapoi	
CTND	Kirwee	
CCH4	Leeston	
LNSD	Lincoln	
CARDN	Malvern Hills, CARD	
MRNZ	Matariki Terrace Road	
DARN1	Methven, DAR1	
MCASZ	Murchison	
NNBS	New Brighton	
PPHS	Papanui	
DARN5	Prebbleton, DAR5	
BNK1	Robinsons Bay	
DARN3	Rolleston	
SANDN	Rolleston, SAND	
SPFS	Springfield	
TKNZ	Takaka Hill	
CCH3	Windwhistle	

Tasmania

AUBRN	Burnie High School	

Victoria

LAKY	Lakey Bradford Hills	

West Australia

CAAA	Cadoux, CAA	
DOW	Dowerin	

Western Australia

DNDOZ	Balladonia	
BEAU	Beaufort	
BENC	Bencubbin	
BEVE	Beverly	
BR4	Bonnie Rock 4	
AUBRM	Broome Senior High School	
CAK	Cadoux	
CADX	Cadoux	
CARMG	Cadoux-Robbs, CAR	
CASMG	Cadoux-Shankland, CAS	
CVQOZ	Cooralya Station, Carnarvon	
CORI2	Corrigin	
CORI1	Corrigin	
CAAN	Eighty Mile Beach, WA	
GNOC	Gnowangerup Cupla Days	
GNOT	Gnowangerup Town	
GOO	Goomalling	
KLCE	Kalgoorlie Cheetham St	
KLLS	Kalgoorlie Longshaft mine	
KOO6	Koorda	
LM02	Lake Muir 02	
LM03	Lake Muir 03	
LM04	Lake Muir 04	
LM05	Lake Muir 05	
LM01	Lskr Muir 01	
MUKOZ	Meadow Station	
MECK	Meckering	
MBNC	Mukinbudin Central	
MBNS	Mukinbudin South	
PING	Pingelly	
APIN	Pingrup, PIN	
QUAI	Quairading	
RAVT	Ravensthorpe	
WDN1	Woodanilling	
WYAL	Wyalkatchem	

CARIBBEAN SEA

Anguilla

SWIP	Sombrero	

Antigua

ANDO	Antigua, Disaster Office	
ANOC	Antigua Open Campus	
ANBD	Bethesda, Antigua	

Antigua and Barbuda

ANG	Antigua	
AWI	Antigua	
BPA	Boggy Peak	
Barbuda		
BWI	Barbuda	
CPB	Codrington	
O6A	E Barbuda OBS	
ANWB	Willy Bob	

Barbados

B5GA	5 Glenshane	
BRB	Barbados	
BDS	Barbados	
BBGH	Gun Hill	
BDH	Highclere	
BBSP	Saint Philip	

British Virgin Islands

ABVI	Anegada Island	

Cayman Islands

LCCY	Blossom Village, Little Cayman	
FSCY	Frank Sound, Grand Cayman	
GCM	Grand Cayman	
CBCY	The Bluff, Cayman Brac	
WBCY	West Bay, Grand Cayman	

Cuba

CCCC	Cccc	
CISC	Cisc	
GM-CU	Guantanamo	
GM-	Guantanamo	GM-CU
GTMO	Guantanamo	
GBC	Guantanamo Bay	
HAVA	Habana	
HLGC	Holguin	
HOL	Holguin	
LMGC	Las Mercedes	
MGV	Manicaragua	
MASC	Masc	
MOAC	Moa	
NMDO	Nuevo Mundo	
PINC	Pinares de Mayari	
QMBU	Quimbuelo	
RCC	Rio Carpintero	
SABC	Sabc	
SOR	Soroa	
YAR	Yar	

Dominica

BBL	Barber's Block	
DBCT	Belle View Chopil	
MDCT	Cottage Hill, Dominica	
PSDMB	Cotton Hill	
DOM	Dominica	
MDPO	Dominica; Chance, Portsmouth	
MDMP	Dominica, Moore Park	
MDPV	Dominica, Pennville	
MDVC	Dominica, Vielle Case	
DFBT	Forest Bistro	
DGBT	Grand Bay	
DLPL	La Plaine	
DLDT	Laudat, Dominica	
DLVT	Layou Valley	
MDN	Morne-Daniel	
DPMT	Pointe Michel	
PSDMZ	Portsmouth	
DRTD	Roseau, Dominica	
DSLB	Salisbury	
DSHT	Scott's Head	
DSC	Scotts Head	
PSDMA	Soufriere	
DSVT	Soufriere Village	
DSTT	Stowe	
DTMT	Tete Morne	
DVDT	Valley Desolation	
DVCT	Vielle Casse Police Station	
DWS	Wesley	

Dominican Republic

DR10	Alto Bandera	
ABDR	Alto Bandera	
BANI	BANI	
BAN1	Bani Escuela	
LOBA1	Barahona	
BRH1	Barahona	

Code	*Station Name*	*Other*
ROBI	Boca de Chavon	
BON1	Bonao	
CADR	Cabrera	
SNH1	Catey	
SDD09	Ceiba Bonita	
GUAY	Guayacanes	
SDD06	Hatillo	
HTM1	Hato Mayor	
HATOM	Hato Mayor del Rey	
HGY1	Higuey	
HIDR	Higuey Centro	
LOBA2	Hotel Casa Bonita	
LOPE2	Hotel El Pedernal	
SAON	Isla Saona	
SADR	Isla Saona	
LODA1	ITESIL, Dajabon	
DR07	Jarabacoa	
JIDR	Jimani	
DR1	Juana Nunez	DR01
DR01	Juana Nunez	
DR06	La Diferencia	
DR6	La Diferencia	DR06
DR5	La Lomota	DR05
DR05	La Lomota	
DR11	La Yayitas	
SACA	Loma Carmona	
SDD01	Loma Colora	
SDD07	Loma El Cafe	
MAVI	Loma El Joboban	
SDD04	Loma El Mogote	
LOMO	Loma en Medio	
SDD03	Loma La Ceniza	
DR08	Loma La Naviza	
DR8	Loma La Naviza	DR08
LONE2	Loma La Sidra	
SDD05	Loma Manaclilla	
DR12	Loma Pena Alta	
QUES	Loma Quita	
SDD02	Loma Siseviere	
SDD08	Loma Yayales	
LUDR	Luperon	
MAO1	Mao	
MADR	Mao Valverde	
MIDR	Miches	
MCDR	Montecristi	
DR04	Monte Llano	
DR4	Monte Llano	DR04
SDD10	Monte Rojo	
NADR	Nagua	
NAG1	Nagua	
NEDR	Neiba UASD	
LONE1	Neyba	
DR09	Piedra Blanca	
DR3	Pinalito	DR03
DR03	Pinalito	
PODR	Polo	
PPDR	Puerto Plata	
PUCA	Punta Cana	
PCDR	Punta Cana, DR	
LOPP1	Punta Rusia, Puerto Plata	
REDR	Restauracion	
SMN1	Samana, DR	
DR13	Sanchez	
LOSC1	San Cristbal IPL	
SFDR	San Fco. de Macoris	
SFM1	San Francisco de Macorix	
DR02	San Jose de las Matas	
SJM1	San Juan de la Maguana	
SJG1	San Juan UASD	
SPM1	San Pedro UASD	
PUCM	Santiago	
SC02	Santiago aeropuerto	
SC01	Santiago de los Caballeros	
STDO	Santo Domingo	
SDD	Santo Domingo	
DR14	Sierra Prieta	
DR15	Siete Picos	
SODR	Sosua Marina Base	
LONA1	Toro Cenizo, Nagua	
France		
Guadeloupe		
ABGF	Abri du Galion	
GABY	Abymes - Guadeloupe	
MAGL	Barre de l'ile, St louis, Marie Galante	
BTG	Basse Terre	
BCG	Bois Riant Capesterre	
LKG	Breislack	
CRG	Carmichael	
DOG	Dongo Capesterre	
ECG	Echelle	
CBE	Ff, Capesterre Belles Eaux	
FNG	Fond-Bernard	
LZG	Guadaloupe-1	
PHG	Guadaloupe-2	
TBG	Guadaloupe-3	
H05N1	Guadeloupe/Martinique T-Phase Site N1	
H05S1	Guadeloupe/Martinique T-Phase Site S1	
HMG	Houelmont	
IAG	Institut Agronomique	
DEG	La Desirade	
GDSD	La Dsirade Island	
ABD	La Joyeuse, Anse Bertrand	
GLMO	Le Moule	
PAG	Le Parnasse	
MGG	Marie-Galante	
MBG	Matouba	
MLG	Mont-d'or	
GDHS	Morne Mazeau, Deshaies	
MSGF	Morne Soldat	
PRGF	Pas du Roy	
GPTB	Petit Bourg	
GCPN	Pointe noire	
SEG	Port Louis	
RMGF	Ravine Marchand	
SCG	Saint Claude	
SFG	Saint Francois	
SSG	Sans Toucher	
TAG	Tarade	
TDBA	Terre de Bas, Les Saintes	
FBG	Trois Rivieres	
TVG	Trois Rivieres	FBG
Martinique		
ZAM	Aeronautique	
BVM	Bellevue	
BIM	Bigot	
PMCB	Calebasse	
CRM	Caravelle	
FDF	Fort de France	
GBMF	Grand Be	
ILAM	Ilet Lapin Martinique	
AIL	L'Aileron	
MVM	Montagne Vauclin	
MPM	Monte-Pele	
BAMF	Morne Balai	
MJM	Morne Jacques	
CXM	Morne La Croix	
LPMF	Morne Lapointe	
PML	Morne Lenard	
PAMF	Morne Pavillon	
MPOM	Morne Pois Martinique	
PAI	P Aileron	
PCM	Pelee Case Petit	
SVN	Savane Anatole	
TRMF	Trois Ilets	
Grenada		
GRCU	Cariacou	
GRE	Grenada	
GCMP	Grenada, Carriacou, Mt. Pleasant	
GRFF	Grenada Fort Frederick, Mt. Wheldale, St. Georges	
GRGR	Grenville	
GRIC	Isle de Caille	
GRW	Mount Saint Catherine	
MCG	Mt St Catherine	GRW
GRHS	Sauteurs	
GRSS	Sisters	
Guadeloupe		
SBLM	St Barthlmy	
Haiti		
NQBME	Bureau des Mines et l'Energie	
NQWLB	Fermate	
JAKH	Jacmel	
WSYH	La Gonave Hosp	
LGNH	Le@15oga@12ne	
PEDR	Pedernales	
PAPH	Port-au-Prince	
SSM	Saint Martial	
NQUSE	US Embassy, Port-au-Prince	
Honduras		
Swan Islands		
SWA	Swan Island	
Jamaica		
BBJ	Bamboo Saint Ann	
BEV	Beverley	
BRJ	Black River	
BNJ	Bonny Gate	
CMJ	Castle Mountains	
CVJ	Coleyville	
GWJ	Greenwich	
HOJ	Hope	
HOP	Hope Bay	
KIN	Kingston	
MCJ	Malvern	
MBJ	Montego Bay	
MTDJ	Mount Denham	
NEJ	Negril	
NCJ	New Castle	
PAJ	Port Antonio	
PCJ	Portland Cottage	
PRJ	Port Royal	
RHJ	Red Hills	
SPJ	Spur Tree	
STH	Stony Hill	
YHJ	Yallahs	
Martinique		
FDFM	Morne la Rosette, Martinique, France	
Montserrat		
MBET	Bethel	
MBFL	Flemmings, Montserrat	
MJHT	Jackboy Hill	
MLYT	Lee's Yard	
MLGT	Long Ground	
MWI	Montserrat	
MVOV	Montserrat Volcano Observatory	
NVDO	Nevis, Disaster Management Department Office	
MGH	Saint George's Hill	
MSPT	Saint Patrick	
MBRV		
MBBY		
MBGA		
MBGB		
MBGE		
MBMH		
MBLG		MLGT
MBRY		MRYT
MBSS		
MBWH		
MCPZ		
MDUM		
MGAT		MBGA
MRYT		
Netherlands Antilles		
SABS	Saba	
SABT	Saba	
SBN	Saba	
SABA	Saba	
SABV	Saba, Juancho Airport	
SABQ	Saba, The Bottom	
SABW	Saba, Winward Side	
STAT	Sint Eustatius	
MRN	Sint Maarten	
SEUS	St. Eustatius	
SEUG	St. Eustatius G	
SEUH	St. Eustatius H	
SEUT	St. Eustatius T	
SKOC	St. Kitts, UWI Open Campus	
SMRT	St. Maarten	
STMA	St. Maarten, Airport	
Puerto Rico		
AGP	Aguadilla	
AGPR	Aguadilla, PR	
APR	Arecibo	
AOPR	Arecibo Observatory	
PWP	Barrio Florida	
CRPR	Cabo Rojo, PR	
CAG	Caguas	
CGV	Camp Garcia	
CBYB	Canovanas	
CBYP	Canovanas	
CSJ	Cape San Juan	
CLLP	Cerrillos	
CELP	Cerrillos	
CDP	Cerro de Punta	
CDPB	Cerro de Punta	
CPD	Cerro la Pandura	
CPDB	Cerro Pandura	
CCA	Coamo	
CSB	Colonia Sabana	
HUMP	Col San Antonio	
CORN	Cornellia Hill	
CULB	Culebra	
CUP	Culebra	
CUPR	Culebra, Puerto Rico	
DOS	Dos Bocas Dam	
EYP	El Yunque	
EMPR	Esperanza - Manati, PR	
ECPR	Experimental Station Corozal Puerto Rico, UPR	
GBPR	Guanica, Bosque Seco, PR	
GCPR	Guaynabo City	
IGPR	InterUniversity Guayama PR	
ICMP	Isla Caja de Muertos, Puerto Rico	
ICM	Isla Caja Muertos	
IDE	Isla Desecheo	
IMR	Isla Mona	
IMO	Isla Mona	
IMOB	Isla Mona	
LPR	La Peregrina	
LRS	Lares	
LSP	Las Mesas	
LSP2	Las Mesas	
MGP	Maguayo	
MGPB	Maguayo	
MLPR	Magueyes Island, Lajas, Puerto Rico	
MRCP	Maricao	
MPR	Mayaguez	
MCP	Moca	
MCAB	Moca	
MOCA	Moca	
IMPR	Mona Island, PR	
MTPB	Monte Pirata	
MTP	Monte Pirata	
MOV	Morovis	
MEP	Mte del Estrado	
OBIP	Obispado Ponce	
PDPR	Patillas Dam, Puerto Rico	
PNP	Penuelas	
PON	Ponce	
PZ-PR	Ponce	
PZ-	Ponce	PZ-PR
PTP	Ponta Puerca	
PORP	Portuguez	
PRSN	Puerto Rico Seismic Network	
QBPR	Quebradillas	
ROPR	Rincon, Puerto Rico	
RRD	Roosevelt Roads	
RRP	Roosevelt Roads	
SMDR	Samana, DR	
SJP	San Juan	
SJG	San Juan	
SJGC	San Juan (W)	SJG
UUPR	Utuado, UPR, Puerto Rico	
VQS	Vieques	
Saint Kitts and Nevis		
Nevis		
NVBH	Bath Hotel, Nevis	
NEV	Hard Times	
NVRH	Round Hill, Nevis	
St Kitts		
BSK	Brimstone Hill	
STKP	Saint Kitts	
SKI	Saint Kitts	
SKDB	Saint Kitts 2	
SKTB	Turtle Beach	
Saint Vincent and the Grenadines		
St Vincent		
SVL	Baleine	
BHS	Barnard House	
SVB	Belmont	
SSV	Crater Summit	
SFAN	Fancy Village	
FCV	Fort Charlotte	
SVG	Indian Gallows	
OHS	Orange Hill	
SOA	Owia	
RSV	Radio Antilles	
SRH	Rilland Hill	
SVI	Saint Vincent	
SVT	Saint Vincent	
SVV	Soufriere Volcano	
SVCV	St. Vincent, Congo Valley	
St Lucia		
BCHC	Barbados, Cave Hill Campus	
SLB	Belfond	
SLCP	Castries, St. Lucia	
SLDE	Delcer	
SLTA	Morne Tabac	
MCLT	Moule a Chique	
SLPA	Patience	
SLW	Petit Monier	
SLPE	Piton Saint Espirit	
SLI	Saint Lucia	
SLAC	Saint Lucia, Anse Canot	
SLBI	Saint Lucia, Bisee	
St Vincent		
SVOC	Richmond Hill, Kingstown	
Trinidad and Tobago		
ALNG	Atlantic LNG	
BOT	Bacolet	
TBH	Brigand Hill	
BUAY	Buenos Aires	
TCE	Chacachacare	
TCHG	Chaguaramas	
TGAL	Galeota Point, Trinidad and Tobago	
GNG	Grange	
TTR	Matura	
PIG	Pigeon Point	
PLY	Plymouth	
TPP	Pointe-a-Pierre	
PLS	Point Lisas	
PORS	Port of Spain	
PSGH	Port of Spain General Hospital	
PSNL	Port of Spain National Library	
PSQC	Port of Spain Queen's Royal College	
TPR	Prospect	
TPTC	Pt. Cumana	
SIH	Signal Hill	
SIPA	Siparia	
TOSP	Speyside	
TOB	Tobago	
TRN	Trinidad (W)	
TWMO	Westmoorings	
Turks and Caicos Islands		
GRTK	Grand Turk	
US Virgin Islands		
SJVI	Gifft Hill School	
Virgin Islands		
ABV	Anegada	
CGPV	Cottongarden Point	
SCVI	Saint Croix	
SCV	Saint Croix	
SJV	Saint John	
VST	Saint Thomas	
STVI	Saint Thomas	
CDVI	St. Croix	
TBVI	Tortola	
VGVI	Virgin Gorda	
VGBI	Virgin Gorda, British Virgin Islands	
GPV	Virgin Gorda Peak	
CENTRAL AMERICA		
Costa Rica		
ACAL	Aguas Claras	
ZAPA	Alfaro Ruiz	
AMAS	Alto Masis	
CAPH	APH	
A492	Arado	
PACM	Arenal	
AR1	Arenal	
ARE1	Arenal 1	
AROL	Arenal Observatory Lodge	
VMAR	Armenia, Volcan Miravalles	
ASRI	Aserri	
BANL	Banca Lucia	
CBAR1	BAR1	
BATAN	Batan	
BIJ	Bijagual	
LAJ	Bijagual	
GPS3	Bodega del ICE en Pailas	
BONG	BONG	
GB1A	Borinquen Arriba	
BUS	Buena Vista	
BUEV	Buena Vista	
BUAI	Buenos Aires	
EDBA	Buenos Aires	
CBARC	Buenos Aires, BARC	
BAIR	Buenos Aires, Puntarenas	
CABAL	Caballito	
CSCAL	CAL	
PLMAC	Candelaria, PLMA	
CANG	Candelarita	
CDITO	Canoas	
CAON	Cano Negro, CANO	
AR7	Cape Frico	
CCOL	Caracol de Corredores, Puntarenas	
PIRO	Carate, Puerto Jimenez, Puntarenas	
CBLA	Cariblanco	
CPAN	Cartago Paso Ancho	
CMAQ	Casa Mquinas	
APPA	Casa Mquinas Las Pailas	
APGM	Casa Mquinas Miravalles	
CASL	Cascajal	
CASI	Castillo	
CASO	Castillo	
PUCAC	Catalina, PUCA	
CDRL	Cedral	
CDL2	Cedral	CDRL
CERBA	Cerbatana	
ACR	Cerro Adams	
CDM	Cerro de Muerte	
CGAC	Cerro Gallo	
CGA2	Cerro Gallo 2	
TIG2	Cerro Tigre, Buenos Aires de Puntarenas	
CHPA	Chiripa	
AR6	Chiripa	
SCD2	Chiriqui, SCD2	
CAO	Cobano	
CAO2	Cobano, Puntarenas	
ICCO	Coco Island	
COLC	Colonia	
COCR	Colorado	
CCON	CON	
COVE	Coope Vega, San Carlos, Alajuela	
CCORO	Corozal, CORO	
CTCR	Cotoan	
COYO	Coyolito	
A10	Crater	
VTUN	Crater Central, Volcan Turrialba, Cartago	
CRPO	Crater poas	
VTUC	Crater, Volcan Turrialba, Cartago	
POA5	Crater Von Franzius,	

	Volcan Poas
CCTS	CTS
CUI	Cuipilapa
EDDO	Dominical
CSDOM	Dominical, DOM
2RIO	Dos Rios de Upala
DUNO	Dulce Nombre, Nicoya, Guanacaste
DRK0	Durika
TENO	El Achiote
A495	El Viejo
SJS	Escuela Geologia
EPA	Esparza
GRAS	Estacion GRAS, Guanacaste
GUIO	Estacion GUIO Guanacaste
LALO	Estacion LALO Guanacaste
CESO	Esterillos Oeste, ESO
CAGC	Fila Aguacate, AGC
FIBO	Fila Bonilla
FICA	Fila Carbon
RITO	Finca Alexandra
VERA	Finca Concepcion
LAFE	Finca La Fe, Paquera, Puntarenas
LAPC	Finca la Perla
GBS3	Finca Las Imgenes
FORC	Fortuna
RGM0	Gandoca
CGUA	Guabo, GUA
GUAI	GUAI
GPS1	Guardaparques de Rincn de la Vieja
MICM	Guayabo
TMIA	Guayabo
GUAB	Guayabo de Bagaces
BANE	Gulf of Nicoya
HATA	Hacienda Tamarindo
HDC	Heredia
HDC2	Heredia 2
HDC3	Heredia 3
HDC4	Heredia 4
HDC5	Heredia 5
CHOYA	Hojancha, HOJA
HZTE	Horizontes, Guanacaste
HORNC	Hornillas
GPS2	Hotel Rincn de la Vieja Lodge
HRIU	Hotel RIU, Guanacaste
INT	INT
IDC	Isla del Cano
ICO	Isla del Coco
JACO	JACO, Garabito, Puntarenas
JCR	Jicaral
JUD	Juan Diaz
JUD2	Juan Diaz 2
JUD3	Juan Diaz 3
CRZ1	La Cruz
CRZC	La Cruz
VRLE	La Escondida, Volcan Rincon de la Vieja, Guanaca
LORF	La Fuente
AR2	Lago de Cote
CEDE	Laguna Cedeo
LSOL	La Lindora
LCR	La Lucha
LCR2	La Lucha 2
LLC	La Lucha Farm
PICA	La Picada, Volcan Turrialba
LARO	La Roca
LARC	La Roca
LARCR	La Roca, LAR
JTS	Las Juntas de Abangares
GBS2	Las Lilas
EDLM	Las Mercedes
LPLA	Las Palmas La Amistad
LEPA	Lepanto, Puntarenas
LIBE	Liberia
LNCR	Limon
LIO	Limon
LICR	Limon
LIM1	Limonal
ACLS	Los Chiles
LCH0	Los Chiles
LOLA	Los Lagos
PARG	Los Pargos
PLAN	Los Planes de Bahia Drake, Puntarenas
MANSI	Mansion, MANS
CMAN	Manuel Antonio, MAN
CMARE	MARE
MATA	Matapalo
CMAT	Matapalo, MAT
MESS	Mesas
MRVA	Moravia de Chirripo, San Jose
CMTL	MTL
CNAR	Naranjo, NAR
AR8	Nicoya
NICO	Nicoya
AR9	North
ZERI	Nueva Zelanda, Rincon
NY08	NY08
NY10	NY10
NY11	NY11
NY12	NY12
NY13	NY13
NY15	NY15
NY16	NY16
NYA7	NYA7
NYA9	NYA9
OCM	Ochomogo
IRZU	Oratorio
ORTG	Ortega, Santa Cruz, Guanacaste
EDPN	Palmar Norte
PALMI	Palmira, PALM
PALO	Palomo
PAL1	Palomo
VUE	Palo Seco
PLVR	Palo Verde
A494	Palo Verde
PAPA	Papagayo
PNCB	Parque Nacional Cabo Blanco, CR
PNPB	Parque Nacional Piedras Blancas, Golfito
RIRI	Parque Rincon de la Vieja
PTEN	Parque Tenorio
FINA	Paso Real
PEZE	Perez Zeledon, Campus UNA, Perez Zeledon, San Jose
CPIN	PIN
CMARB	Playa Azul, MARB
GRZA	Playa Garza
CGRAN	Playa Grande, GRAN
COND	Playa Hermosa, COND
PNE2	Playa Negra, Guanacaste
PNUE	PNUE
POA	Poas
POA2	Poas 2
TERP	Poasito
POPE	POPE, Guanacaste
PTCR	Potenciana
POCR	Potenciana 2
CPOT2	Potrerillos Abajo, POT2
POTG	Potrero Grande, Buenos Aires, Puntarenas
PBO3	Pozo tres de Borinquen
CPRO	PRO
CPRS1	PRS1
PUDO	PUDO
PNUA	Pueblo Nuevo de la Aldea, Limon
PUJE	Puerto Jesus Guanacaste
PUJ	Puerto Jimenez
PTJ1	Puerto Jimnez
MOIN	Puerto Moin
PBNC	Punta Banco, Puntarenas
PBC	Punta Burica
INDI	Punta indio, Guanacaste
PSVT	Puntarenas
PRS1	Puriscal
QUEG	Quebrada Grande
QCR	Quepos
QPSR	Quepos
QCR1	Quepos
QPS	Quepos
RIOS	Rincon, Osa
RIFO	Rio Frio, Sarapiqui, Heredia
RIMA	Rio Macho
RMCR	Rio Macho
CRSE	RSE
SDS	Sanatorio Duran
CRUP	Sandillal
RAFA	San Farael, Volcan Turrialba, Cartago
SJR	San Jose
SAJU	San Juanillo, Guanacaste
A490	San Lazaro
SPS	San Pedro Poas
SRBA	San Rafael, Buenos Aires, Puntarenas
SRA	San Ramon
SRA1	San Ramn
TISMR	San Ramon, TISM
AR5	Santa Elena
NY17	Santa Rosa
EDSV	San Vito
SVTC	San Vito de Coto Brus
CSARO	SARO
CSAV	SAV
CSVA	Savegre Abajo, SVA
CSBL	SBL
CSCY	SCY
CSGA	SGA
SELF	Sixty Eight Flow
CSNI	SNI
AR4	Solania
SONZ	Sonzapote
TBLN	Tablon, Guarco
TCSO	Tacares
TAGU	TAGU
TFER	TFER
TLLA	Tiendilla
AR3	Tierras Morenas
TIG	Tigre
TIV	Tivives
TRTC	Tortuguero
TRT1	Tortuguero
TUF	Tufares
TUI	Tuis
CTUR	TUR
NY14	Universidad de la EARTH en Liberia
URSC	Urasca
PALAG	Urb. La Laguna, PAL
UVIT	Uvita
VAIN	VAIN
VBL1	Vara Blanca
VENE	Venecia
VIMA	VIMA
VCR	Vista de Mar
CVMA	VMA
VACR	Volcan Arenal
ICR	Volcan Irazu
IRZ	Volcan Irazu
HAYA	Volcan Irazu
IRZ2	Volcan Irazu 2
VPS	Volcan Poas
VPS2	Volcan Poas 2
RIN2	Volcan Rincon
RIN3	Volcan Rincon
RIN	Volcan Rincon
VTU	Volcan Turrialba
VTR0	Volcan Turrialba
CVTR	Volcan Turrialba, Cartago
VTRE	Volcan Turrialba, Hacienda Retiro
VTRT	Volcan Turrialba, VTRT
VTCV	VTCV, Calle Vargas, Turrialba
WARN	West Arenal
BAR1	

El Salvador

ADES	Adelaida
AEIL	Aeropuerto Ilopango
SONS	AGAPE Sonsonate
AHU	Ahuachapan
ALJI	Alcalda de Jiquilisco
LALI	Alcalda de La Libertad
FAGO	Alcalda de San Francisco Gotera
SJTE	Alcalda de San Juan Tepezonte
CUSC	Alcaldia de Cuscatancingo
QUEZ	Alcaldia de Quezaltepeque
FAME	Alcaldia de San Francisco Menendez
SLOZ	Alcaldia de San Lorenzo
SANM	Alcaldia de San Marcos
SCLA	Alcaldia de Santa Clara
SOYA	Alcaldia de Soyapango
TECO	Alcaldia de Tecoluca
JUA	Alcaldia, municipal de Juayua
AYA	Ayagualo
LUNI	Base Naval La Union
BLLM	Bellamira
BOQS	Boqueron
CAHU	Cacacuatique
CPRS	Casa Presidencial
CTAS	Cauta
CIGS	Centro de Investigaciones Geotecnicas
COEG	Centro de Operaciones de Emergencia de Guadalupe
CNRM	Centro Nacional de Registro (CNR) San Miguel
CEVE	Cerro Verde
CLUB	Club Campestre
COAS	Coatepeque
COLS	Colinas
COEB	Comit de Emergencia de Berln
CNCH	Conchagua
CUS1	Cusmapa
CUSS	Cusmapa
IGN	Direccin General de Estadstica y Censos (DIGESTYC)
MONT	Ecomontan@16a
ANGS	El Angel
LFRS	El Faro
RANC	El Ranchito
RTR	El Retiro
ITCA	Escuela Especializada en Ingeniera
CRW	Hotel Crowe Plaza
HUES	Huehuecho
JAYA	Jayaque - finca La Azucena
JUCU	Jucuar¡n
LCND	La Caada
LCY	Lacayo
LCBS	La Ceiba
LFU	La Fuente
LLGN	La Laguna
LPS	La Palma
LBRS	Las Brisas
AIES	Las Flores
GRDS	Las Granadillas
NUBE	Las Nubes
PAVA	Las Pavas
LALZ	Loma Alta
LOMA	Loma Larga
LOAL	Lomas de Alarcon
LGUZ	Los Guarumos
MAGS	Ministerio de Agricultura y Ganaderia, Santa Tecla
MTO3	Montecristo
MTO	Montecristo
MTO2	Montecristo 2
NANS	Nanahuazin
NCS	Nueva Concepcion
OPAM	Oficina de Planificacin del Area Metropolitana de San Salvador
OJOS	Ojo de Agua
PACA	Pacayal
PMON	Piamonte
PICS	Picacho
PQSS	Presa 15 de Septiembre
P5NO	Presa 5 de noviembre
ACAJ	Puerto de Acajutla
QZA	Quezalapa
RBDL	Robledal
CEDA	San Andres
SBLS	San Blas
SJAS	San Jacinto
SNJE	San Jose
VSM	San Miguel
SSS	San Salvador
SJUZ	Santa Julia
SDMZ	Santiago de Maria
SDM	Santiago Maria
SNVI	San Vicente
SEMO	Seminario San Jose de La Montana
SNET	Serv Nac Est Terr
TACO	Tacachico
TCPZ	Tecapa
TECA	Tecapa
TME	Tecomasuche
UCHI	Unidad de Salud de Chinameca
UNIC	Universidad Catolica de El Salvador
UESS	Universidad de El Salvador
SMIG	Universidad de El Salvador San Miguel
UESV	Universidad de El Salvador, sede San Vicente
UDBS	Universidad Don Bosco
UEES	Universidad Evangelica
UTEC	Universidad Tecnologica
VICT	Victoria
VSS	Volcan San Salvador
YPE	Yupe
MUMZ	
SANZ	

Guatemala

BVG	Bouganvilia
BVA	Buena Vista
CIM	Chimachoy
APG	El Apazote
ERG	Entre ros, Cuyotenango
ESQI	Esquipulas
PETF	Flores
FGO	Fuego
FGO2	Fuego 2
FUG	Fuego 3
GCG	Guatemala City
HUG	Huitzitzil
ITG	Itzapa
IXG	Ixpaco
IZABA	Izabal, Puerto Barrios
JAT	Jato
JMG	Jumaytepeque
JNJ	Junjel
KJA	Kiajanaja
KIK	Kika Raxquin
KKG	Kukul
LHG	La Concha
CMG	La Cumbre
CMG2	La Cumbre 2
FLS	Las Flores
NBG	Las Nubes
LVG	La Victoria
LTG	Los Tablones
MMG	Magdalena
MRL	Marmol
MYT	Moyuta
MOYG	Moyuta, Jutiapa
OCG	Ocos
OC2	Ocos 2
OLG	Olintepeque
PCG	Pacaya
PSG	Pto de San Jose
PSG2	Pto San Jose 2
QZG	Quezaltepeque
RDG	Rabinal
REC	Recreo
RTAL	Retalhuleu
SBL	Sacbachol
SXG	Sacranix
SLP	San Antonio
SJT	SanJuan Tecuaco
SOG	Santiaguito
SOG2	Santiaguito 2
STG3	Santiaguito 3, El Palmar
SBG	Sibinal
SLG	Sinonel
SULM	Suchitepequez, La Maquina
TCG	Tacana
TEP	Tecpan
TP2	Tecpan 2
TER	Terranova
VLG	Velasquez
YUP	Yupiltepeque
ZIS	Zishin
FG6	

Honduras

CHUH	Cerro de Hula
HLH	Cerro de Hule
LHAH	Las Aradas
LTH	Lepaterique
SSU	San Pedro Sula
TGUH	Tegucigalpa,Univ of Honduras
UNAH	Universidad Nacional Autonoma de Honduras

Nicaragua

Managua

HUEN	
CSAN	
ACY	Acoyapa
ACON	Acoyapa
AGUN	Aguas Calientes
WILN	Americas 2
APY	Apoyeque
APYN	Apoyeque
APON	Apoyo
ASE	Aserradero
BOA	Boaco
BOA1	Boaco
BOAB	BOACO BROADBAND
CNGN	Cerro Negro
CHIN	Chinandega
CNR	Chonco
COFN	Cofrada
TUF3	Comarca El Reventon, F3
CONN	Concepcion
COPN	Copaltepe
COS	Cosiguina
CSGN	Cosiguina Volcano
CYN	Coyotepe
CR12B	CR12B
TUN3	El Chorizo, N3
TUB4	El Congo, B4
TUB3	El Consuelo, B3
CRUN	El Crucero
TUN7	El Madrono, N7
TUN6	El Paraiso, N6
ESTN	Esteli@15
NADN	Granada
XAVN	Gruta Xavier
JIG	Jinotega
TUN10	La Concepcion, N10
TUC12	La Esperanza, C12
TISN	Laguna Tiscapa
TUN8	La Morita, N8
TUN13	La Rica Arriba, N13
TUF4	Las Colinas, F4
TUF2	Las Cuatro Esquinas, F2
ESPN	Las Esperanzas
LNB	Las Nubes
TUN2	Las Piedras Blancas, N2
BRAN	Las Pilas
TUN5	Las Pilas, N5
TUN11	La Tejera, N11
LEON	Leon
LIY	Limay
TUF5	Los Angeles, F5
TUB5	Los Potreros, B5
MGAN	Managua
MGA1	Managua
MCH	Masachapa
MASN	Masaya
MATN	Matagalpa
MMO	Medio Mundo
MIRN	Miramar
TUN1	Miramar, N1

Code	*Station Name*	*Other*
MOCN	Mocoron	
MOBN	Mombacho	
MOMN	Momotombo	
MOMJ	Momotombo	MOMN
TUN12	Monte Christo, N12	
MOYN	Moyogalpa	
TUF6	Nancite Dulce, F6	
NC01	NC01	
NC02	NC02	
NC03	NC03	
NC05	NC05	
NC06	NC06	
NC08	NC08	
NC09	NC09	
NC10	NC10	
NC11	NC11	
NC12	NC12	
NC13	NC13	
NC15	NC15	
NC16	NC16	
NC18	NC18	
NC19	NC19	
NC20	NC20	
OME	Ometepe	
PYT	Playitas	
PYTN	Playitas	
PYN	Poneloya	
TUN4	Puerto Momotombo, N4	
QUIN	Quiabu	
RTN	Rota	
TUF1	Sabana Grande, F1	
CRIN	San Cristobal	
SSN	San Juan del Sur	
SSNN	San Juan del Sur	
RCON	San Juan de Rio Coco, Nicaragua	
SMCN	San Marcos	
SCRN	Santa Cruz	
CNG6	Santa Emilia	
TUC13	Santa Rosa, C13	
TUN9	Santa Rosa del Penon, N9	
TUB1	San Vicente, B1	
SOMN	Somoto	
TELN	Telica	
TEL3	Telica 3	
TICN	Ticuantepe	
VER	Veracruz	
MADN	Villa Maderas	

Pacific Ocean, West of Costa Rica

CR139	OBS 139	
CR140	OBS 140	
CR141	OBS 141	
CR14S	OBS 14S	
CR15	OBS 15	
CR16	OBS 16	
CR18	OBS 18	
CR193	OBS 193	
CR194	OBS 194	
CR195	OBS 195	
CR196	OBS 196	
C197S	OBS 197S	
CR198	OBS 198	
CR199	OBS 199	
CR19S	OBS 19S	
CR20	OBS 20	
CR200	OBS 200	
C201S	OBS 201S	
CR202	OBS 202	
CR203	OBS 203	
CR204	OBS 204	
CR205	OBS 205	
C206S	OBS 206S	
CR207	OBS 207	
CR208	OBS 208	
CR209	OBS 209	
CR21	OBS 21	
CR210	OBS 210	
CR211	OBS 211	
CR212	OBS 212	
CR301	OBS 301	
CR302	OBS 302	
CR303	OBS 303	
CR304	OBS 304	
C305S	OBS 305S	
CR306	OBS 306	
C307S	OBS 307S	
CR308	OBS 308	
C309S	OBS 309S	
CR310	OBS 310	
CR311	OBS 311	
CR312	OBS 312	
CR313	OBS 313	
CR314	OBS 314	
CR315	OBS 315	
C316S	OBS 316S	
CR317	OBS 317	
CR318	OBS 318	
CR319	OBS 319	
CR320	OBS 320	
CR321	OBS 321	
CR322	OBS 322	
CR323	OBS 323	
CR38	OBS 38	
CR39	OBS 39	
CR40	OBS 40	
CR41	OBS 41	
CR42	OBS 42	
NB03	OBS NB03	
NB04	OBS NB04	
NB05	OBS NB05	
NB06	OBS NB06	
NB07	OBS NB07	
NB08	OBS NB08	
NB09	OBS NB09	
NB10	OBS NB10	
NB11	OBS NB11	
NB12	OBS NB12	
NB13	OBS NB13	
NB14	OBS NB14	
O098	OBS O098	
O099	OBS O099	
O100	OBS O100	
O101	OBS O101	
O102	OBS O102	
O104	OBS O104	
O106	OBS O106	
O107	OBS O107	
O108	OBS O108	
O109	OBS O109	
O110	OBS O110	
O111	OBS O111	
O113	OBS O113	
O114	OBS O114	
CSS01	OBS SS01	
CSS02	OBS SS02	
CSS03	OBS SS03	
CSS10	OBS SS10	
CSS12	OBS SS12	
CSS14	OBS SS14	
CSS15	OBS SS15	
CSS16	OBS SS16	
CSS17	OBS SS17	
CSS18	OBS SS18	
CSS20	OBS SS20	
CSS21	OBS SS21	

Panama

ACHO3	Achotines, Los Santos	
CHGR2	Aguacate	
ACLA	Agua Clara, Sierra Llorona en Colsn	
APOP	Alto Boquete	
ACH	Altos	
ARRA3	Arraijan, Panama	
AZU	Azuero	
BAG2	BAG2	
BAGA3	Bagala, Chiriqui	
BHP	Balboa Heights	
BRU	Baru	
BYN	Bayano	
CALO3	Calobre, Veraguas	
CAMBU	Cambutal, Los Santos	
CNAZ3	Canazas, Veraguas	
CNTA3	Canitas, Panama	
JEF	Cerro Jefe	
CNI	Changuinola	
CHPO	Chepo, Panama	
CHIR3	Chiriqui UPA, Chiriqui	
CHIT3	Chitre	
ECO	Colon	
ECO2	Colon	
CORZ	Corozal	
SPIL	Cristobal, Colon	
CCCH3	David	
DVD	David	
CACAO	El Cacao, Veraguas	
CORT	El Cortezo, Los Santos	
CRIS3	El Cristo, Cocle	
CNI2	El Empalme, Bocas del Toro	
FRIJ	El Hiral	
PROG	El Progreso, Chiriqui	
VTON	El Valle, Cocle	
FLAM	Flamenco Island	
FH-	Fort Sherman	FH-PM
FH-PM	Fort Sherman	
FTA	Fortuna	
GAMB1	Gamboa	
GUAL3	Gualaca, Chiriqui	
GMAL	Guarumal, Veraguas	
P0844	Hornito Dam	
IPE	Ipeti	
BCIP	Isla Barro Colorado	
AJB2	Jaramillo Abaja	
CHOR3	La Chorrera	
LESP3	La Esperanza, Chiriqui	
LGT	Lagarterita	
MESA3	La Mesa, Veraguas	
LOMA3	Las Lomas, Chiriqui	
LVS	La Villa de Los Santos	
LIMO3	Limones	
LOCO3	Loma Colorada, Chiriqui	
BQT2	Los Cabezos	
LNBQ3	Los Naranjos, Chiriqui	
MACA3	Macaracas	
MAD3	Madden Dam	
MARI3	Mariato, Veraguas	
UPD2	Meteti	
MFS3	Miraflores	
MIRA3	Miramar, Colon	
MLIR	Monte Lirio	
MLIR3	Monte Lirio, Chiriqui	
NANC3	Nancito, Chiriqui	
OCU3	Ocu, Herrera	
PSOM3	Paja de Sombrero, Chiriqui	
BCO2	Palmira	
BASP	Panama	
PML3	Paraiso	
BC3P	Paso Ancho	
PEDA3	Pedasi	
AZU2	Pedasi@15	
PEDE3	Pedregal, Chiriqui	
PNME	Penonome	
PESE3	Pese, Herrera	
PTP1	Petroterminal	
PINA	Piqa, Costa Abajo de Colsn	
PCRI3	Pocri, Los Santos	
PONU3	Ponuga, Veraguas	
DVD2	Portal de la Riviera, DVD	
PTAR3	Potrerillos Arriba, Chiriqui	
PRT2	PRT2	
ARM	Puerto Armuelles	
ARM2	Puerto Armuelles 2	
PVID3	Puerto Vidal, Veraguas	
REME3	Remedios, Chiriqui	
RSUS3	Rio de Jesus, Veraguas	
SABA3	Sabanitas, Colon	
SBAR3	San Bartolo, Chiriqui	
SFX2	San Felix	
SFRA3	San Francisco, Veraguas	
DVD3	San Pablo Viejo, Chiriqui	
SAFE3	Santa Fe, Veraguas	
STIA3	Santiago, Veraguas	
TABO3	Taboga, Panama	
TOSI3	Tonosi	
TOTI	Torti	
UPD1	Univ de Panama	
UPIG	Univ. de Panama	
UPA	Univ. de Panama	
VANT3	Valle de Anton	
STCAT	Veraguas	
BRU2	Volcan	
TBS3	Volcan, TBS2	
ZANG	Zanguenga, Chorrera	
TBS2		

EUROPE

Austria

A002B	Bockfliess
A011B	Reinberg
A011A	Rohrbach
A005A	Schmida
A024B	Sipbachzell
A005B	Stockerau
A002A	Strasshof

Albania

BCI	Bajram Curri
BERA1	Berat
BERA	Berati
DURR	Durres
ELBAS	Elbasan
FIER	Fieri
FRZ	Fierza
HIMA	Himara
TIR1	Institute of Geosciences in Tirana
KMA	Kami
KBN	Korca
KKS	Kukesi
LACI	Lac
LSK	Leskovik
PHP	Peshkopia
POGR	Pogradec
PRZA	Preza
PUK	Puka
QSH	Qafa e Shtames
SRN	Sarande
SDA	Shkodra
TPE	Tepelena
TIR	Tirane
VLO	Vlora

Alborean Sea

OA01	Alborean Sea OBS, OB01
OA02	Alborean Sea OBS, OB02
OA03	Alborean Sea OBS, OB03
OA04	Alborean Sea OBS, OB04
OA05	Alborean Sea OBS, OB05
OA06	Alborean Sea OBS, OB06
OA07	Alborean Sea OBS, OB07
OA08	Alborean Sea OBS, OB08
OA09	Alborean Sea OBS, OB09
OA10	Alborean Sea OBS, OB10
OA11	Alborean Sea OBS, OB11
OA12	Alborean Sea OBS, OB12
OA13	Alborean Sea OBS, OB13
OA14	Alborean Sea OBS, OB14
OA15	Alborean Sea OBS, OB15
OA16	Alborean Sea OBS, OB16
OA17	Alborean Sea OBS, OB17
OA18	Alborean Sea OBS, OB18
OA19	Alborean Sea OBS, OB19
OA20	Alborean Sea OBS, OB20
OA21	Alborean Sea OBS, OB21
OA22	Alborean Sea OBS, OB22
OA23	Alborean Sea OBS, OB23
OA24	Alborean Sea OBS, OB24
OA25	Alborean Sea OBS, OB25
OA26	Alborean Sea OBS, OB26
OA27	Alborean Sea OBS, OB27
OA28	Alborean Sea OBS, OB28
OA29	Alborean Sea OBS, OB29
OA30	Alborean Sea OBS, OB30

Alsace

CIEL	Dossenheim-sur-Zinsel
STHE	Hesingue, 68135, Haut-Rhin, Alsace
HOHE	HOHENGOEFT
ILLF	Illfurth
LEMB	Lembach
NEEW	Neewiller pres Lauterbourg
STUF	Presbytere Uffheim, 68341 Uffheim, Haut-Rhin
SZBH	soultz borehole - etangs GEIE
URBF	Urbes
VOEG	Voegtlinshoffen
VOEL	Voellerdingen
WALT	Westhalten
ZELS	Zelsheim

Andorra

PAND	Andorre
ARBS	La Rabassa
SCOL	Santa Coloma

Aquitaine

IRAF	Chalets d'Iraty - Larrau, Pyrenees-Atlantique, France
RUFF	Ruffiac, Nouvelle Aquitaine, France

Austria

ABTA	Abfaltersbach
WINA	Alland / Wienerwald
A016A	Allerheiligen
A003A	Andau
ARSA	Arzberg
A036A	Aschau i T
BIOA	Bad Ischl, Austria
A025A	Baerendorf, Steiermark
A023A	Baumgartsaur, Oberoesterreich
A033A	Bluehnbach
CONA	Conrad Observatory
CSNA	Conrad Observatory
DAVA	Damuels
A021A	Deutsch Goritz
A004A	Ebreichsdorf
A028A	Falkendorf, Steiermark
A001A	Falkenstein
FETA	Feichten
A010A	Fuerstenfeld
GHA	Glashutten
GRA	Graz
A022A	Hirschenstein, Niederoesterreich
A027A	Holzern, Kaernten
IBK	Innsbruck
INN	Innsbruck
A032A	Johann am Walde
A019A	Kaintal
A037A	Kartellspeicher, Verwall
KFA	Klagenfurt
A006A	Kleinriedenthal
KBA	Koelnbreinsperre
A038A	Kramsach, Tirol
KMR	Kremsmunster
A015A	Langauhaeuser, Niederoesterreich
A012A	Langenwang
A020A	Lannach
LTA	Leoben
A024A	Marchtrenk
MZA	Mariazell
A007A	Messern
MOA	Molln
MOTA	Moosalm
OGA	Obergurgl
OBKA	Obir
PIA	Pitten
A029A	Rabinger, Steiermark
RETA	Reutte
RONA	Rosalia, Austria
A018A	Rothwald
SQTA	Sankt Quirin
SCE	Schlegeis
LESA	Schwarzleotal - Leogang
SESA	Seetaler Alpe, Styria
SOKA	Soboth
A034A	Stadlberg, Tirol
A030A	Steinbach
MYKA	Terra Mystica
A014A	Thumling
A008A	Tiefenfucha
A013A	Umbach
A026A	Unterfahrungsstollen, Kaernten
UNNA	Unterstinkenbrunn
VIE	Vienna
VKA	Vienna
A017A	Waidhofen
WATA	Walderalm
A009A	Wartmannstetten
A035A	Wasserfallboden
WTTA	Wattenberg
A031A	Wolfsedt, Oberoesterreich, Austria

Auvergne

LEUC	Leucamp
OGMY	Moye

Azores

PAGU	Agualva, Azores
PCAPE	Capelo, Faial
PFCBR	Castelo Branco, Faial, Azores
POVGA	Lagoa
PGRON	Lagoa das Contendas
PLAJ	Lajes
ALML	Lajes
LOMB	Lombego
PMAD	Madalena
PMOS	Mosteiros
PNOR2	Nordeste
PPJ	Porto Judeu
PPOV	Povoa§£o
PPV	Praia da Vitria
RIBE	Ribeira
PRIG	Ribeira Grande
PRIB2	Ribeirinha
RSCH	Rosais
SALAO	Salao
PROQ	S£o Roque
SETE	Sete Cidades
PTOPO	Topo S. Jorge
URZL	Urzelina
VPORT	Vila do Porto, Ilha de Santa Mara, Portugal

Baden-Wurttemberg

EBIN	Albstadt-Ebingen
ONST	Albstadt-Onstmettingen
BABA	Baden-Baden-Neuweier
SAUL	Bad Saulgau
BALG	Balingen, Zollernalbkreis
BREI	Breisach am Rhein
DEGG	Deggingen-Nordalb
FREI	Freiburg, Hauptfriedhof
HEID	Heidelberg, Weststadt
HEIN	Heilbronn
FLIN	Helmstadt-Bargen-Flinsbach
JUNG	Jungingen
KARL	Karlsruhe, Majolikafabrik
KONZ	Konstanz
MANN	Mannheim
MSGN	Moessingen, Sulzgasse
FREU	Neufra-Freudenweiler
GALG	Neuhausen (Enzkreis), Galgenberg
OFFE	Offenburg-Weierbach
REUL	Reutlingen
ROTE	Rottweil
STUT	Stuttgart, Hoppenlaufriedhof
TETT	Tettnang
TUEB	Tuebingen, Eugenstrasse
ULMD	Ulm
URBA	Urbach, Forststuetzpunkt Haeule
VOGT	Vogtsburg - Totenkopf, Kaiserstuhl
WOER	Woert

Basse-Normandie

LOUF	Saint-Loup
SROF	Saint-Romphaire - Manche - Normandie - France

Bayern

RTBE	Buergeleck
FFB1	Fuerstenfeldbruck Borehole
KW1	Garching a.d. Alz
MKON	Konnersreuth
BE1	Monatshausen
RTSH	Staufenhaus Bad Reichenhall
RTSA	Steiner Alm

Code	*Station Name*	*Other*
ZUGS	Zugspitze, Schneeferner	
Belarus		
NE54	Brest	
NE57	Homyel'	
MNK	Minsk	
NACGM	Naroch	
NE53	Naroch'	
Belgium		
BBOU	Bougnies	
C01	C01	
C02	C02	
C03	C03	
C04	C04	
C05	C05	
C06	C06	
C07	C07	
C08	C08	
C11	C11	
C12	C12	
C13	C13	
C14	C14	
C16	C16	
C18	C18	
BCLA	Clavier	
BCES	Court-Saint-Etienne	
BDSL	Dessel	
DOU	Dourbes	
NE06	Dourbes	DOU
BEBN	Eben Emael	
BGES	Gesves	
GIP	Gileppe	
BHOU	Houvegnez	
BLCH	La Chartreuse	
BMRD	Maredsous	
MEM	Membach	
BMOL	Mol	
BOPT	Opiter	
BOST	Ostende	
RCHB	Rochefort	
BRQR	Ronquire	
BSTI	Sart Tilman	
SNF	Seneffe	
BSKQ	Steenkerk	
TGA	Tangissart	
BTNL	Ternell	
UCC	Uccle	
WRM	Warmifontaine	
BZEV	Zevekote	
NE33		MEM
Bosnia and Herzegovina		
BLY	Banja Luka	
BLJ	Bijeljina	
DOB	Doboj	
HAPS	Han Pijesak,BIH	
KALIN	Kalinovik	
A050A	Klekovaca	
KLINJ	Klinje	
KNYS	Krupa na Uni	
SRKY	Kupres RS	
MST	Mostar	
A051A	Mrakovica	
MRAK	Mrakovica	
MGRS	Mrkonjic Grad	
NEVS	Nevesinje	
PRIJ	Prijedor	
RUDO	Rudo	
SAR	Sarajevo	
SLATY	Slatina	
A052A	Srbac	
TRA	Travnik	
TREB	Trebinje	
Bourgogne		
PLYF	Puligny Montrachet	
Bretagne		
BEGF	Beganne - 56011 - Morbihan - Bretagne - France	
BIMF	Belle-Ile-en-Mer - Bangor - Morbihan - Bretagne - France	
CAMF	Camaret-sur-Mer, Bretagne, France	
GUEF	Guhenno - 56071 - Morbihan - Bretagne - France	
LOCF	Locquirec - 29133 - Finist¨re - Bretagne - France	
PLEF	Pleven - 22200 - C´tes-d'Armor - Bretagne - France	
PLOF	Ploemeur	
OLIV	Plomelin	
Bulgaria		
AVR	AVREN	
KALB	Balgarevo	
BLSH	Balsha	
RAZAM	Belene	
BLKB	Belogradchik	
BOZV	Bozvelijsko	
DIM	Dimitrovgrad	
DOBAM	Dobrich	
DOBR	Dobrina	
ELND	Elena	
KKB	Krupnik	
KUBB	Kubrat	
KDZ	Kurdzhali	
KOZAM	Lom-Kozlod	
LOZB	Loznitsa	
MPEP	Malo Peshtene	
MNNAM	Montana	
MMB	Musomishta	
NEF	NEVSHA	
ORIA	Oriahovo	
PGB	Panagyurishte	
PVL	Pavlikeni	
PLNA	Plana	
PLVB	Pleven	
PLD	Plovdiv	
PSN	Preselentsi	
PRD	Provadia	
RAZG	Razgrad	
ROIA	ROIAK	
RZN	Rozhen	
RUSAM	Ruse	
SHAB	Shabla	
SILAM	Silistra	
SOF	Sofia	
SZH	Strazhitsa	
TRAN	Tran	
VALD	Valchedram	
VETAM	Veliko Turnovo	
PLVAM	Vidin	
VTS	Vitosha	
JMB	Yambol	
Canary Islands		
TANA	Aaga	
CADE	Adeje, Tenerife	
TAFO	Arafo	
TARO	Arona	
CBRE	Brena Baja,La Palma	
CBOL	Buenavista del Norte, Tenerife	
TCHA	Chavao	
TCHI	Chimiche	
CMIR	El Paso, La Palma	
CENR	El Paso, La Palma	
TFAS	Fasnia	
CFOR	Fortaleza, Los Realejos, Tenerife	
CFLP	Fuencaliente de la Palma, La Palma	
CTEN	Fuencaliente, La Palma	
CDOS	Garachico, Isla de Tenerife	
CROM	Garafia, La Palma	
CGIN	Giniginamar, Fuerteventura	
CGRA	Granadilla de Abona, Tenerife	
TGUI	Guia de Isora	
GUIA	Guia de Isora, Tenerife	
CGUI	Guimar, Tenerife	
TTAO	Hotel Taoro	
CNOR	Icod de los Vinos, Tenerife	
CLOB	Isla de Lobos, Fuerteventura	
CJED	Jedey, El Paso, La Palma	
TESP	La Esperanza	
CDIE	La Orotava (Tenerife)	
CCHO	La Orotava (Tenerife)	
CPVI	La Orotava (Tenerife)	
EXILP	La Palma	
CNAO	La Restinga, El Hierro	
CLLA	Los LLanos de Aridane, La Palma	
CREA	Los Realejos, Tenerife	
TPAR	Parque del Teide	
CGOR	Puntagorda, La Palma	
CPUN	Puntallana, La Palma	
CCAL	Punta Orchilla, El Hierro	
EXROQ	Roquillos	
CLUM	San Bartolome de Tirajana (Gran Canaria)	
TSIS	San Isidro	
TSJR	San Juan de la Rambla	
CTFS	San Miguel de Abona, Tenerife	
TSTE	Santiago del Teide	
CTAC	Tacoron (Frontera - El Hierro)	
TNOR	Teide Nord	
CBLAA	Tinajo	
CTIM	Tinajo, Isla de Lanzarote	
CVIL	Vilaflor	
CLAJ	Vilaflor (Tenerife)	
CMAZ	Villa de Mazo, La Palma	
CVIE	Villa de Mazo, La Palma	
Carpathian Mountains		
BERU	Beregovo	
BRIU	Brid	
CHRU	Chernivtsi	
CRA	Chernovtsy	
CRB	Chernovtsy (B)	
HOLU	Holmets	
HORU	Horodok	
KORU	Korolevo	
KSV	Kosov	
KMPD	K-Podol'skiy	
LVV	L'vov	
MEZ	Mezhgor'ye	
MRSS	Morshin	MORS
MORS	Morshin	
MORU	Morshyn	
MUKU	Mukachevo	
NDNU	Novodnistrovsk	
NSLU	Nyzhne Selyshche	
ONO	Onokovtsy	
RAKU	Rahkiv	
RAK	Rakhov	
SHIU	Shidnytsya	
STNU	Starunia	
STZU	Stuzhytsa	
TRSU	Trosnyk	
UZH	Uzhgorod	
Centre		
BSCF	Bossay-sur-Claise - 37028 - Indre-et-Loire - France	
GIZF	Gizeux - Indre-et-Loire - Centre-Val de Loire - France	
SRNF	Nancay - 18159 - Cher - Centre-Val de Loire	
Crete		
DEYA	Deyax Mournies Chania	
LENT	Lentariana Chania	
ABEA	Nea Chora Chania	
MULT	Pachiana Chania	
PERI	Perivolia Chania	
POLY	Polykladiko Chania	
CHNB	Souda	
ATEI	TEI Chania	
SFK2	Vouvas Sfakia	
Crimea		
ALU	Alushta	
DNZ2	Donuzlav2	
FEO	Feodosiya	
KERU	Kerch	
SEVA	Sevastopol	
SEV	Sevastopol'	
SIM	Simferopol'	
SUDU	Sudak	
TARU	Tarkhankut	
YAL	Yalta	
MI20	Yalta	
Croatia		
BRJN	Brijuni	
DBR	Dubrovnik	
DBRK	Dubrovnik	
DUGI	Dugi Otok	
DUOK	Dugi Otok	
A255A	Hotnja, Vukomericke Gorice	
HVAR	Hvar	
KALN	Kalnik	
A253A	Karojba, Istria	
KIJV	Kijevo	
LSTV	Lastovo	
LOBO	Lobor	
MAKA	Makarska	
MORI	Morici	
MOSL	Moslavina	
NVLJ	Novalja	
OZLJ	Ozalj	
A254A	Petrova Gora	
PLIT	Plitvice	
POL	Pola	
PTJ	Puntijarka	
RABC	Rab	
RICI	Ricice	
RIY	Rijeka	
A251A	Rujevac	
A250A	Rusevo Krmpotsko	
SEB	Sibenik	
SNJ	Sinj	
SISC	Sisak	
STON	Ston	
SMRN	Sveta Marina	
UDBI	Udbina	
A252A	Venje	
VIRC	Vir	
ZAG	Zagreb	
ZAG*	Zagreb	
ZIRJ	Zirje	
Czech Republic		
ANAC	Anensky vrch	
PIVO	Bartosovice	
BEDC	Bedrichov	
BERN	Bernov	
BVOC	Bila Voda	
A084A	Bitov	
BHC	Bohunice	
A087A	Bouzov	
A083A	Cachotin	
RYBC	Ceska Rybna	
CKRC	Cesky Krumlov	
CHE	Cheb	
A072A	Chudenice	
CHVC	Chvalec	
A081A	Dobrichov	
DPC	Dobruska-Polom	
A079A	Drachov	
GOPC	GO Pecny, Ondrejov, Czech Republic	
HAVC	Havirov	
HSKC	Hora Svate Kateriny	
JIND	Jindrichovice	
KACW	Kaceov	
KHC	Kasperske Hory	
A077A	Kestrany	
A078A	Klet	
KOCW	Kopaniny	
A074A	Kozel	
KRLC	Kraliky	
KRCW	Kraslice	
A075A	Krivoklat	
KVC	Kvetna	
LACW	Lazy	
LIPC	Lipinka	
A080A	Loreta	
LOSC	Losov	
LUBY	Luby	
LBCW	Luby	
LUKC	Luka	
A076A	Makova Hora	
A073A	Manetin	
A090A	Maruska	
MAUC	Maruska	
KRUC	Moravsky	
MORC	Moravsky Beroun	
MUVC	Mutkov	
MUTC	Mutkov	
A089A	Nesovice	
A086A	Nove Hrady	
NKC	Novy Kostel	
OSTC	Ostas	
OKC	Ostrava-Krasne	
PVCC	Panska Ves	
POCA	Pocatky	
POCW	Potky	
PRA	Prague	
PBCC	Pribram	
PRIC	Primda	
PRU	Pruhonice	
RICC	Richard	
SUPC	Skalka u Prostejova	
SKC	Skalna	
STAC	Stalkov	
A071A	Stare Sedliste	
STEB	Steborice	
A085A	Strazek	
STCW	Studenec	
A088A	Tovacov	
TREC	Trest	
TRCW	Trojmez	
UPC	Upice	
VAC	Vackov	
VACK	Vackovec	
JAVC	Velka Javorina	
VRAC	Vranov	
ZHC	Zelena Hora	
A082A	Zivanice	
ZVC	Zvikov	
CHOC		
LUTC		
PRSC		
ZAPC		
Denmark		
BSD*	Akirkeby	BSD
BSD	Bornholm Skovbrynet	
BFOD	Brorfelde Observatory, Denmark	
COP	Copenhagen	
GID	Gilleleje	
GOET	G??ttrup	
HAMD	Hammershus, Denmark	
LLD	Lille Linde	
NE03	Logumkloster	
NE02	Monsted	
MUD	Monsted U'grnd	
OVD	Ostervraa, Denmark	
SSRD	Sdr. Stenderup	
STE00	Stenlille00	
STE01	Stenlille01	
STE02	Stenlille02	
STE03	Stenlille03	
STE04	Stenlille04	
STE05	Stenlille05	
STE06	Stenlille06	
T1BD	T1BD	
T2BD	T2BD	
T3BD	T3BD	
T4BD	T4BD	
T5BD	T5BD	
T6BD	T6BD	
T7BD	T7BD	
T801	T801	
T802	T802	
T803	T803	
T804	T804	
T805	T805	
T806	T806	
T807	T807	
T808	T808	
T809	T809	
T810	T810	
T811	T811	
T812	T812	
T813	T813	
T814	T814	
T815	T815	
T816	T816	
T817	T817	
T818	T818	
T819	T819	
T820	T820	
T899	T899	
T998	T998	
T999	T999	
VEND	Venslev, Denmark	
England		
DOV	Dover Castle, Kent	
ELMS	Elmsett, Ipswich	
STBN	Sutton Bonington	
Estonia		
ARBE	Arbavere	
EE02	Kiisa, Saku	
MTSE	Matsula	
EE01	Perakula, Nova	
EE07	Piusa Caves, Orava	
EE08	Sarghaua, Vandra	
EE06	Soera, Palade, Hiiumaa island	
SRPE	Suurupi	
TRTE	Tartu	
TTU	Tartu	
EE03	Tooma soojaam, Jogeva	
EE05	Udria, Vaivara	
EE04	Vaivara Sinimaed	
VSU	Vasula	
Finland		
AAL	Aland	
OBF1	Elvisluoto, Pyhjoki	
HEL5	Espoo, Suvisaaristo	
FA05	FA05	
FA06	FA06	
FA07	FA07	
FA08	FA08	
FA09	FA09	
FA10	FA10	
FA11	FA11	
FB03	FB03	
FB05	FB05	
FB06	FB06	
FB07	FB07	
FB08	FB08	
FB09	FB09	
FB10	FB10	
FB11	FB11	
FC03	FC03	
FC04	FC04	
FC05	FC05	
FC06	FC06	
FC07	FC07	
FC08	FC08	
FC09	FC09	
FC10	FC10	
FC11	FC11	
FD03	FD03	
FD04	FD04	
FD05	FD05	
FD06	FD06	
FD07	FD07	
FD08	FD08	
FD09	FD09	
FD11	FD11	
FD12	FD12	
FD14	FD14	
FD15	FD15	
FE03	FE03	
FE04	FE04	
FE05	FE05	
FE06	FE06	
FE07	FE07	
FE08	FE08	
FE09	FE09	
FE10	FE10	
FE11	FE11	
FE12	FE12	
FE13	FE13	
FE14	FE14	
FE15	FE15	

Code	Station Name	Other
FF02	FF02	
FF04	FF04	
FF05	FF05	
FF06	FF06	
FF07	FF07	
FF11	FF11	
FF12	FF12	
FF13	FF13	
FF14	FF14	
FF15	FF15	
FF30	FF30	
FF31	FF31	
FF32	FF32	
FF33	FF33	
FF90	FF90	
FF91	FF91	
FF92	FF92	
FF93	FF93	
FF94	FF94	
FG01	FG01	
FG02	FG02	
FG03	FG03	
FG04	FG04	
FG05	FG05	
FG06	FG06	
FG07	FG07	
FG08	FG08	
FG09	FG09	
FG10	FG10	
FG11	FG11	
FG12	FG12	
FG13	FG13	
FG14	FG14	
FH02	FH02	
FH03	FH03	
FH04	FH04	
FH05	FH05	
FH06	FH06	
FH07	FH07	
FH09	FH09	
FH10	FH10	
FH11	FH11	
FH12	FH12	
FH13	FH13	
FH14	FH14	
FINES	FINESS Array Beam Reference Point	
FIA0	FINESS Array Site A0	FINES
FIA1	FINESS Array Site A1	
FIA2	FINESS Array Site A2	
FIA3	FINESS Array Site A3	
FIB1	FINESS Array Site B1	
FIB2	FINESS Array Site B2	
FIB3	FINESS Array Site B3	
FIB4	FINESS Array Site B4	
FIB5	FINESS Array Site B5	
FIB6	FINESS Array Site B6	
FIC1	FINESS Array Site C1	
FIC2	FINESS Array Site C2	
FIC3	FINESS Array Site C3	
FIC4	FINESS Array Site C4	
FIC5	FINESS Array Site C5	
FIC6	FINESS Array Site C6	
FJ01	FJ01	
FJ02	FJ02	
FJ03	FJ03	
FJ05	FJ05	
FJ06	FJ06	
FJ07	FJ07	
FJ08	FJ08	
FJ09	FJ09	
FJ11	FJ11	
FJ12	FJ12	
FK04	FK04	
FK05	FK05	
FK06	FK06	
FK07	FK07	
FK08	FK08	
FK09	FK09	
FK10	FK10	
FK11	FK11	
FKAF	FKAF	
FVAF	FVAF	
HEL2	Helsinki	
HEL3	Helsinki	
HEL	Helsinki	
HEL1	Helsinki	
HEL4	Helsinki	
HEF	Hetta	
JOE	Joensuu	
JOF	Joensuu	
KMNF	Kaamanen	
KJN	Kajaani	
KJF	Kajaani	
OBF7	Kamusenper, Kalajoki	
NE62	Kangasniemi	
KAF	Kangasniemi	
KPF	Kankaanpaa	
KU5	Karpankyla	
KU7	Kasma	
NE63	Kauhava	
OBF6	Kekajrvi, Ylivieska	
KEF	Keuruu	
KEV1	Kevo	
KEV	Kevo	
KIF	Kilpisjarvi	
KLF	Kolari	
KY01	KOUVOLA	
KY02	KOUVOLA	
KY03	KOUVOLA	
KY13	KOUVOLA	
KY12	KOUVOLA	
KY11	KOUVOLA	
KY04	KOUVOLA	
KY10	KOUVOLA	
KY05	KOUVOLA	
KY15	Kouvola, Finland	
KU8	KU8	
KU1	Kurvinen	
KU4	Liikasenvaara	
MSF	Maaselka	
OUF	Merijarvi	
MEF	Metsahovi	
NIF	Nilsia	
NE61	Nurmija@14rvi	NUR
NUR	Nurmija@14rvi	
OUFX	Oulainen	
OLKF	Oulanka, Finland	
OUL	Oulu	
PVF	Pernaja	
PKK	Porkkala	
PRF	Porvoo	
PRV	Porvoo	
KU3	Posio	
PUF	PUOLANKA	
RAJF	Raja-Jooseppi	
RANF	Ranua	
RAF	Rauma	
KU6	Riekki	
RMF	Romuvaara	
RNF	Rovaniemi	
RUF	Ruokolahti	
RUFX	Ruokolahti	
OBF3	Siikajoki	
SDF	Sodankyla	
SOD	Sodankyla@14	
SGF	Sodankyla@14	
SUF	Sumiainen	
OBF0	Syolatti, Pyhajoki	
KU2	Taivalkoski	
TOF	Tornio	
TVF	Tvarminne	
OBF8	Ulkokalla	
VRF	Varrio	
OBF5	Vihanti	
OBF4	Vikkela, Lumijoki	
VJF	Virojoki	
OBF2	Ylip, Raahe	
VAF	Ylistaro	
JYSA		
France		
Alsace		
BAF	Belacker	
CHAF	Chalampe	
CDF	Champ du Feu	
ECH	Echery	
GBF	Grand Ballon	
GWF	Grand Wintersberg	
HOFF	Hoffen	
LANF	Langenberg	
MOF	Molkenrain	
SMM	Ste Marie-Mines	ECH
STR	Strasbourg	
SRBF	Surbourg	
SUBF	Surbourg	
WLS	Welschbruch	
Aquitaine		
ARH	Archignac	
NE10	Arette	
ATE	Arette	
ARTL	Arthez-de-Bearn	
BTH	Betharram	
BOH	Bohocortia	
CESL	Cescau	
LRVF	chteau la Rivire	
ELYF	Elaudy	
ESCF	Escot	
PYF	Esparros	EPF
EPF	Esparros	
ETSF	Etsaut	
ISSF	Issarbe	
JAU	Jaout	
LACL	Lacq	
USIL	Lacq-Usine	
LFF	La Frestale	
LAGL	Lagor	
LARF	Larrau	
NE09	Les Eyzies	
LHE	Lhers	
LDBL	Lucq-de-Bearn	
MADF	Madeleine	
MONL	Mont	
REYF	Montagne du Rey	
ONF	Office Forets	
OGE	Ogeu	
ORDF	Ordiarp	
OSML	Os-Marcillon	
OSSF	Osses	
SJPF	Ste Jean	
TERF	Tercis-les-Bains	
URDF	Urds	
Auvergne		
ACDF	Aurillac	
BGF	Bois d'Agland	
NE16	Clermont-Ferrand	CFF
CFF	Clermont-Ferrand	
COLF	Collangettes	
PLDF	La Plantade	
LBL	Lubilhac	
MAF	Mazirat	
MZF	Mazirat	
PYM	Petit Puy Manson	
PDD	Puy-de-Dome	
AGO	Saint Agoulin	
Basse-Normandie		
LDF	La Druitiere	
FLN	La Foliniere	
SSC	Saint Sauveur de Carouges	
Bourgogne		
AVF	Avril sur Loire	
AVFP	Avril sur Loire	
GRC	Garchy	
LBF	Les Buteaux	
LOR	Lormes	
MLV	Malvaux	
POU	Pouilloux	
SSF	Saint Saulge	
SSF1	Saint Saulge	
SMF	Signal de Mont	
Bretagne		
BST	Brest	
LPF	Le Pertre	
QUIF	Quistinic	
RENF	Rennes	
ROSF	Rostrenen	
SGMF	Saint Gilles	
Centre		
NE08	Aigurande	
CLF	Chambon-Foret	
HYF	Humbligny	
Champagne-Ardenne		
MEZF	Maizieres J'ville	
RFYF	Reffroy	
RMSF	Reims	
SAVF	Savonnieres en Perthois	
SFTF	Sexfontaines	
Corse		
AJAF	Ajaccio	
AJAC	Base Areonavale d'Aspretto	
CVF	Calvi	
CORF	Corte	
OSPF	L'Ospedale	
LURI	Luri	
MORSI	Morsiglia	
BONIF	Phare de Pertusato	
PGF	Pioggiola	
SMPL	Sampolo	
A213A	Autrey-Les-Gray, 70041, Haute-Saone, Franche-Comte	
BARI	Barisis-aux-bois	
BELVR	Belvoir	
A199A	Bergerie de la Roque, 34343, Viols le Fort, Herault	
BESN	Besneville	
STBO	Bollwiller	
CERNS	CERN, Surface station	
A214A	Chassal, 39113, Jura,	
A186A	Chichilianne, 38103, Isere, Auvergne-Rhone-Alpes	
CHIF	Chize	
CIREY	Cirey Neuves-Granges	
CLEV	Clevilliers	
TURF	col de Turini - Moulinet	
A215A	Commelle, 38121, Isere, Rhone-Alpes	
D01	D01	
D50	D50	
D51	D51	
D53	D53	
A202A	Domaine de Cadables, 34109, Gabian, Herault	
AVEN	Fontenotte	
A205A	Foret Domaniale des Maures Clau de Barrau, 83071, La Londe-les-Maures	
PAGF	Fort de Pagny la Blanche Cte (52)	
A164A	Fourg, 25253, Doubs,	
STFL	Fournets-Luisans, 25288, Doubs, Franche-Comt	
GZIER	Gzier-et-Fontenelay	
A158A	Haudompre, 88088 La Chapelle-aux-Bois, Vosges, Lorraine	
LANAN	Lanans	
A178A	Lathuile, 74147, Haute-Savoie, Auvergne-Rhone-Alpes	
A217A	Le Caire, 04037, es-de-Haute-Provence, e, Provence-Alpes-Cote d Azur	
SAVIG	Le Moulin, Savigny, Haute-Savoie, FR	
MIGAL	Le Pradet	
FDAF	Les Forges d'Abel	
A210A	Manonville, 54348, Meurthe-et-Moselle,	
A201A	Marais du Vigueirat, 13004, Arles, Bouches-du-Rhone	
A208A	Marignana, 2A154, Corse-du-Sud, Corse	
A200A	Mas Saint Remy, 30006, Aimargues	
A194A	Meolans-Revel, 04161, Alpes-de-Haute-Provence	
A216A	Montmorin, 05088, Hautes-Alpes, Provence-Alpes-Cote d Azur	
NAFE	NAFE	
NOCA	Nice OCA	
A193A	Nyons, 26220, Drome, Rhone-Alpes	
OBP	Observatoire de Paris	
OISEL	Oiseley-et-Grachaux	
CURIE	Paris	
A185A	Peyrins, 26231, Drome, Auvergne-Rhone-Alpes	
MIOU	Port Miou	
A206A	Radio balise VOR, 83065, Gassin, Var, Provence-Alpes-Cote d Azur	
A204A	Roquefort la Bedoule, 13085, Bouches-du-Rhone	
A188A	Saint Laurent les bains, 07262, Ardeche, Auvergne-Rhone-Alpes	
A184A	Saint Michel d-Aurance, 07276, Ardeche, Auvergne-Rhone-Alpes	
SALEV	Sal¨ve	
A157A	Serqueux, 52470, Haute-Marne	
STOF	St-Etienne Orgue	
A163A	Tart-Le-Haut, 21623,	
A173A	Vacheresse, 74286, Haute-Savoie, Auvergne-Rhone-Alpes	
A192A	Valvigneres, 07332, Ardeche, Auvergne-Rhone-Alpes	
A209A	Venzolasca, 2B343, Haute-Corse, Corse	
EILF	Villa Eilenroc - Antibes	
VILS	Ville-en-Selve	
A211A	Xaffevillers, 88527, Vosges,	
Franche Comte		
BSF	Ballon Servance	
BES	Besancon	
CNF	Cerre-les-Noroy	
CHMF	Charmoille	
OG05	Jujurieux	
CABF	La Chapelle	
LOMF	Lomont	
MDGS	Mont de Guillon, France	
ROF	Roppe	
VOU	Vouglans	
Ile-de-France		
PAR	Paris	
NE07	Villiers-Adam	VDM
VDM	Villiers-Adam	
Languedoc-Rousillon		
PERF	Col du Perthus	
FILF	Fillols	
LRDF	Laroque-de-Fa	
MTLF	Montolieu	
MTHF	Mouthoumet	
SJAF	Saint Jean de L'Alberes	
SMCF	Saint Martin du Canigou	
TRGS	Targassone	
TRBF	Trabuc cave	
VALF	Valcebollere	
VDCF	Villefranche	
Limousin		
FRNF	Fournols	
LSF	La Souterraine	
NE18	Les Rejaudoux	RJF
RJF	Les Rejaudoux	
SER	Sermur	
TCF	Toulx Ste Croix	
VERF	Verneugheol	
Lorraine		
BACF	Baccarat	
HAU	Haudompre	
HINF	Hinteralfeld	
THEF	They Montfort	
VITF	Vittel	
Midi-Pyrenees		
BDB	Bagneres-Bigorre	
CAF	Calviac	
CARF	Carcanieres	
ENSF	Ens	
RESF	Ens	
FESP	Espira	
GRBF	Gourbit	
LABF	Labassere	
LPEF	Le Peyrat	
LPO	Le Pouchou	
LESF	Lescure	
LSPF	Lesparou	
PYLO	Lourdes	
MELF	Melles	
MONQ	Montcuq	
FMON	Montouss	
MLS	Moulis	
FNEB	Nbias	
SALF	Salau	
VIEF	Viey	
Nord-Pas-de-Calais		
BAIF	Baives	
DOMF	Dompierre	
GIVF	Givet	
LIL	Lille	
Pays de la Loire		
GRR	Gorron	
LMF	Le Mans	
PIAC	Piriac/mer	
SGR	Segre	
Picardie		
MENF	Mencas	
Poitou-Charentes		
OLEF	Ile d'Oleron	
LCHF	La Chataigneraie	
LRYF	La Roche-sur-Yon	
MATF	Mathat	
PRYF	Perigny	
MFF	Saint Martin du Fouilloux	
Provence-Cote d'Azur		
OG22	Abries	
ANTF	Antibes	
ARBF	Arbois	
OGAG	Argentiere	
ARTF	Artigues	
ASPF	Aspremont	
AURF	Auriere	
BELV	Belvedere	
BERF	Bertagne	
OG15	Briangon	
CDR	Cadarache	
CAGN	Cagnes-sur-Mer	
CALF	Calern	
CALN	Calern	
CMF	Cannet Maures	
SAUF	chteau de Saumane	
CHDN	Chaudanne	
CBBF	Combe Brimond	
SPIF	crte de Spivol - 06156, Venanson - Alpes-Maritimes - Provence-Alpes-Cte d'Azur	
CREF	Crivoux	
OGDI	Digne	
FLAF	Flassans-sur-Issole	
FOUF	Fouillouse	
GANF	Ganagobie	
GELF	Grande-Etoile	
ISO	Isola	
JAUF	Jausiers	
BSTF	la Bastide-des-Jourdans	
FRF	La Foret Royale	
LMR	La Mourre	
AUTN	L'Aution	
OG25	Le Caire	
BLAF	les Blancs	
ESCA	l'Escarene	
LRG	Lorgues	
LUCF	Luceram	
MAR	Marseilles	
MLYF	Mely	
MENA	Menton	
MBDF	Montbardon	
NICEF	Mont Chauve - France	
TOUF	Mont Tournerait	
MUIF	Mont Vial	MVIF
MVIF	Mont Vial	
NCER	Nice Cerbom	
NCAU	Nice, cimetire Caucade	
NCAD	Nice - Cite Administrative des	

Alpes-Maritimes
NPOR Nice, Eglise du Port
NALS Nice, Jardin
Alsace-Lorraine
NLIB Nice, Liberation
NBOR Nice, Mont Boron
NROC Nice, Saint-Roch
PRAF Pradon
PUYF Puyloubier
LEPF PUYLOUBIER
REVF Revere
OG20 Riallon
ROG Rognes
ROU Rougiers
RUSF Rustrel
OG21 Saint-Cripin
STET Saint-Etienne-de-Tinee
OG19 Saint-Julien-en-Beauchene
OG14 Saint-Maurice-en-Valgodemard
SURF Saint Ours
SAOF Saorge
SMRF Simiane la Rotonde
ASEAF Site Antares, Toulon
SBF Sospel
SLAF St Laurent du Var
SPF St-Paul-en-Foret
TAVF Tavernes
TREF Trevaresse
TRIGF Trigance
VILF Villemus
Rhone-Alpes
OG18 Albannette
OG24 Aussois
BROM Bains de Bromines
BOF Bonneval
OG32 Castellane
OG13 Choranche
OG16 Combovin
OG08 Commelle
OG35 Corcelles
OG29 Digne
OGMO Fort Saint-Gobain,
Modane
GDM Grand'Maison
GGF Granges-Gontardes
GRN* Grenoble
GRN Grenoble
OG28 Izon-la-Bruisse
OG04 La Clusaz
LNS Lanslevillard
LPG La Plagne
LPL La Plagne
OG27 Meolans
OG02 Monnetier-Mornex
OG11 Montagny
MNY Monteynard
OG06 Moye
OG34 Musihges
ORIF Oris-en-Rattier
PCHF Pas de la Coche
OG17 Prunihres
RSL Roselend
OG33 Roure
OG07 Sainte-Reine
OG10 Saint-Etienne-de-Cuines
VIVF Saint-Julien-le-Roux
OGSM Saint Maurice de
Rotherens
OCF Saint Nazaire
SSB Saint Sauveur en Rue
OG09 Saint-Thibaud-de-Couz
OG03 Samoens
OGSI Sixt
SOU Souberoche
LASF Ste Croix
OG26 St.-Nazaire-Desert OCF
OG23 Tende
OG01 Vacheresse
OG12 Villaroger
OG30 Villeneuve d'Entraunes

Franche Comte
BOUC Bouclans
FAHY Fahy-L¨s-Autrey
FOURG Fourg
RIVEL MONT RIVEL
RONF Ronchamp
A306A Viano (RE)

FYR Macedonia
BELI Belica
BIA Bitola
KAY Katlanovo
KOSL Kosel
KOZJ Kozjak Brana
KRUS Krusevo
LIP Lipkovo
MYG Matka
KPJ Monastery St. Joachim
Osogovski
OHR Ohrid
PEHC Pehcevo
SAMO Samokov
SKO Skopje
STIP Stip
VAY Valandovo

Germany
Baden-Wurttemberg
BUCH Bad Urach
BEU Beuren
BFO Black Forest
BHBD Braunhartsberg
BREM Bremgarten
BRET Bretten
BUH Buhlerhohe
EFR Efringen
ENDD Endenburg
ENGD Engstlatt
ERPF Erpfingen
FEL Feldberg
FELD Feldberg im Schwarzwald
FBB Freiburg im Breisgau
FWS Furtwangen
GUT Gutenstein
HSND Hausen
HEI Heidelberg (Koenigstuhl)
HDH Heidenheim-Charlottenhoehle
HOH Hohenheim
HTN Hohentengen
HUN Hundersingen
JUND Jungingen
KRL Karlsruhe
KRW Karlsruhe West
KIZ Kirchzarten
BERGE Lenzkirch (DE)
LBG Lerchenberg
LIBD Limburg
LOES Loerrach-Stetten
MSS Messtetten
METMA Mettma DE
MSG Moessingen
NEI Neipperg
OFBG Offenburg
OPP Oppenau
RAV Ravensburg
SWS Schriesheim-Wilhelmstollen
SGW Sigmaringen-Wittberg
SIND Sindeldorf
SISB Singen-Schiener Berg
SPAK Spaichingen-Kochelsberg
STAB Staufenbuehl
STAU Staufen im Breisgau
STU Stuttgart
TUB Tubingen
TUBL Tuebingen-Lennartz
UBR Ueberruh
WEIL Weil am Rhein
WYH Wyhlen
ZWI Zwiefalten,
Hayingen-Wimsen
Bayern
ALTM Altmuhljura-Amtmannsdorf
BHG Bad Reichenhall
BGLD Berchtesgaden
CHKA Cham-Katzbach
FALK Falkenberg
I26DE FREYUNG INFRASONIC
ARRAY REFERENCE
POINT
FUR Furstenfeldbruck
GAP Garmisch-Partenkirchen
PART Garmisch-Partenkirchen
GAPA Garmisch-Partenkirchen
GERES GERESS Array Beam
Reference Point
GEA0 GERESS Array Site A0
GEA1 GERESS Array Site A1
GEA2 GERESS Array Site A2
GEA3 GERESS Array Site A3
GEB1 GERESS Array Site B1
GEB2 GERESS Array Site B2
GEB3 GERESS Array Site B3
GEB4 GERESS Array Site B4
GEB5 GERESS Array Site B5
GEC1 GERESS Array Site C1
GEC2 GERESS Array Site C2 GERES
GEC2A GERESS ARRAY SITE
C2A
GEC2B GERESS ARRAY SITE
C2B
GEC3 GERESS Array Site C3
GEC4 GERESS Array Site C4
GEC5 GERESS Array Site C5
GEC6 GERESS Array Site C6
GEC7 GERESS Array Site C7
GED1 GERESS Array Site D1
GED2 GERESS Array Site D2
GED3 GERESS Array Site D3
GED4 GERESS Array Site D4
GED5 GERESS Array Site D5
GED6 GERESS Array Site D6
GED7 GERESS Array Site D7
GED8 GERESS Array Site D8
GED9 GERESS Array Site D9
GRFO Grafenberg
GG-GR Grafenberg
GG- Grafenberg Ar. GG-GR
SB- Grafenberg Ar. GRF
GRA4 Grafenberg Array
GRF Grafenberg Array
GRC4 Grafenberg Array
GRC3 Grafenberg Array
GRC2 Grafenberg Array
GRC1 Grafenberg Array
GRB5 Grafenberg Array
GRB4 Grafenberg Array
GRB3 Grafenberg Array
GRB2 Grafenberg Array
GRB1 Grafenberg Array
GRA3 Grafenberg Array
GRA2 Grafenberg Array
GRA1 Grafenberg Array GRF
MGBB Grossbuechelberg
MHAI Haid-Arzberg
RHAM Hammer
HOF Hof
HROE Hohe Rhon--Flad
RJOB Jochberg
MANZ Manzenberg
RMOA Moar Alm
MNH Munich
NAPF Napfberg
RNHA Neuhaus
NORI Noerdlinger
Ries-Bissingen
RNON Nonn-Bad Reichenhall
NRD Nordlingen
NOTT Nottersdorf
OBER Oberstdorf
MROB Rosenbuehl-Arzberg
ROTZ Rotzenmuhle
MSBB Schoenbrunner
Berg-Wunsiedel
VIEL Selb-Vielitz
WET Wettzell
RWMO Wildenmoos
MZEK Zeckenberg-Ebnath
Berlin
BRN Berlin
BRL Berlin--Free University
BRNL Berlin--Lankwitz
Brandenburg
POT Potsdam
A01 A01
A02 A02
A04 A04
A05 A05
A06 A06
A07 A07
A08 A08
A09 A09
A10E A10E
A11E A11E
A12 A12
A13 A13
A14 A14
A15 A15
A16E A16E
A17 A17
A18 A18
A19 A19
A20 A20
A21E A21E
A33 A33
A50 A50
A51 A51
A52 A52
A53 A53
A54E A54E
A70 A70
A71 A71
A72 A72
A80 A80
A82 A82
A83 A83
A84 A84
A85 A85
A360A Altes Rathaus Auernheim
INSH Angelsportverein
A127A Annweiler Trifels TMO65
ASSE Asse,
Remlingen/Germany
B01 B01
B02 B02
B03 B03
B04 B04
B05 B05
B06 B06
B07 B07
B08 B08
B09 B09
B10 B10
B11 B11
B12 B12
B13 B13
B14 B14
B15 B15
B16 B16
B17 B17
B18 B18
B19 B19
B20 B20
B21 B21
B22 B22
B23 B23
B24 B24
B26 B26
B27 B27
B29 B29
B30 B30
B32 B32
B33 B33
B34 B34
B35 B35
B36 B36
B37 B37
B38 B38
B39 B39
B40 B40
B41 B41
B42 B42
B43 B43
B44 B44
B46 B46
B49 B49
B50 B50
B51 B51
B52 B52
B53 B53
B54 B54
B55 B55
B56 B56
B57 B57
B58 B58
B59 B59
B60 B60
B61 B61
B62 B62
B63 B63
B64 B64
B65 B65
B66 B66
B67 B67
B70 B70
B71 B71
B72 B72
B73 B73
B74 B74
B75 B75
B82 B82
A143A Bad Bayersoien, Bavaria
A115A Bad Rappenau
A109A Bad Urach, Seeburg
BBWF Bergwerk Finstertal
BEUR Beuren
BIBE Biberach
A104C Biberach, Ahlen
A104A Biberach, Stafflangen
A104B Biberach, Stafflangen 2
A352A Bieberswoehr
A113A Birkenau
A367A Bundeswehrkaserne
Erding
GOR5 Dangenstorf
A356A Donaustauf
DURL Durlach
A126A Durlach TMO44
A146A Eggstetten, Simbach
am Inn, Bavaria
A353A Eichelberg
EMING Emmingen-Liptingen DE
A124A Enzkloesterle
A110A Ernsthofen
A147B Fabach,
Johanniskirchen, Bavaria
FLTG Flechtingen
FAHL Forsthaus Ahlhorn
A144A Forsting, Bavaria
INS8 Friedhof Edesheim
INS6B Friedhof Kandel
A362A Friedhof Schoenenfeld
SYKE Friedhofskapelle bei
Heiligenfelde
IGAD Garlstedt
GOR3 Gartow
DEEL Gasfeld
A106A Goeppingen, Maitis
A106B Goeppingen, Maitis
GORE GORE
GTTG Gottingen
A117A Grosserlach
A350A Guttenberg
HAM4 Hamburger Sternwarte
HAM3 Hamburg/Geomatikum
A141A Hausham, Bavaria
INS5 Hayna, Turnverein
INS3 Hergersweiler
A145A Herrenchiemsee, Bavaria
INS7 Herxheim
Wasserbehaelter
INS1 Heuchelheim BoxerKlub
A148A Johannesbrunn,
Gerzen, Bavaria
A147A Johanniskirchen, Bavaria
KASTN Kahler Asten
INS6 Kandel, Kundencenter
Pfalzwerke
A123A Kehl
A364A Kloster Scheyern
GOR2 Laase
INS4 Landau
LDO Landau
LDE Landau
INS4B Landau
LAGB Langenfeld Grube
Bendisberg
LENE LENE
LUEB Luebbecke
A107B Memmingen2
A107C Memmingen - Eisenburg
A107A Memmingen, Holzguenz
MLFH Mildenfurth
MILB Miltenberg
MUHB Muldenstein
A368A Natogelaende Bechhofen
A355A Neunburg
NICK Nickenich
A359A Niederharthausen
A357B Oberlauterbach
A105A Obersdorf, Schattenberg
OCHT Ochtendung
A128A Planckstadt TMO26
A114A Preunschen
A351A Priegendorf
A358A Raindorf
RAST Rastdorf
A103A Ravensburg, Horgenzell
A103B Ravensburg, Schmalleg
A103D Ravensburg,
Wasserhochbh2
A116A Ravenstein
RETHO Rethem
PYRM Roes
A119A Rosenberg
A357A Rottenburg
A100A Rottenburg, Weiler
A101A Rottweil, Deisslingen
A101B Rottweil, Deisslingen 2
A351B Rudendorf
RUE Ruedersdorf
A112A Rupperstecken
A369A Schloss Sandsee -
Pleinfeld
A122A Schmieheim
A118A Schrozberg
GOR6 Seerau
SEVE Sevelten
A102A Sigmaringen, Junganu
A363A Solarpark Todtenweis
ROTT Steinweiler
INS2 Steinweiler
A121B Sulzburg
T10G T10G
T11G T11G
T12G T12G
T13G T13G
T14G T14G
T15G T15G
T16G T16G
T17G T17G
T18G T18G
T19G T19G
T1BG T1BG
T1MG T1MG
T21G T21G
T22G T22G
T24G T24G
T25G T25G
T26G T26G
T27G T27G
T28G T28G
T29G T29G
T2BG T2BG
T2MG T2MG
T30G T30G
T31G T31G
T32G T32G
T33G T33G
T34G T34G
T35G T35G
T36G T36G
T37G T37G
T38G T38G
T39G T39G
T3BG T3BG
T3MG T3MG
T40G T40G
T41G T41G
T42G T42G
T43G T43G
T45G T45G
T46G T46G
T48G T48G
T49G T49G
T4BG T4BG
T50G T50G
T51G T51G
T52G T52G
T53G T53G
T54G T54G
T55G T55G
T5BG T5BG
T60G T60G

Code	*Station Name*	*Other*
T61G	T61G	
T6BG	T6BG	
T6MG	T6MG	
T7BG	T7BG	
T7MG	T7MG	
T8MG	T8MG	
T9BG	T9BG	
TBBG	TBBG	
GORT1	Trebel	
A108A	Ulm, Ringingen	
HES	Velbert-Hespertal	
A111A	Volkach	
A140A	Vorderriss, Lenggries, Bavaria	
GLOK	Waldbreitbach	
WALHA	Wallhausen, DE	
A361A	Wasserturm Kaisheim	
A366A	Wasserwerk Kaufbeuren	
A365A	Wasserwerk Schwabmuenchen	
A148B	Wimm, Aham, Bavaria	
A354A	Zirndorf	
Hamburg		
HAM	Hamburg	
Hessen		
GWBC	Aumenau	
WBH	Biblis	
WBG	Bieber	
WBB	Darmstadt	
ESP	Espenschied	
WBA	Furth	
HAT	Hattorf	
JUG	Jugenheim	
WBD	Lorch/Rhein	
GWBF	Romrod	
TNS	Taunus Mts	
TOD	Tromm	
UBBA	Unterbreizbach	
GWBE	Wiesbaden	
Mecklenburg-Vorpommern		
LID	Liddow	
RGN	Rugen	
Niedersachsen		
CLZ	Clausthal	
GTT	Gottingen	
NRDL	Niedersach Riedel	
RETH	Rethem/Aller, Germany	
Nordrhein-Westfalen		
BA01	Aachen	
AAC	Aachen	
BAHL	Ahlen	
BAVN	Auguste-Victoria Mine North	
BA12	Beaesweiler	
BNS	Bensberg	
BA09	Bensberg	
BEG	Bergheim	
BD01	Bergheim Laurentius Kirche	
NE35	Billerbeck	
BOC	Bochum	
NE36	Bochum	
BUG	Bochum--University	
BD11	Borschemich	
BD12	Bourheim	
CLG	Cologne	
BA08	Dellbruck	
DREG	Dreilaegerbach Talsperre	
BA11	Duren	
ENTS	Ennepetalsperre	
BA04	Fiesheim UWZ	
BA17	Glehn	
GSH	Grosshau	
BD04	Gut Margarthenhoehe	
BD05	Hambach	
BD08	Hambach Funkstation	
HMES	Hamm, Michael-Ende-School	
BA15	Heimerzheim	
HRH	Heinrich-Robert Mine	
BA13	Heinsberg	
BZER	Hlnxe	
BD09	Hochneukirch	
HOBG	Hohbusch	
HOK	Hohkeppel	
BA06	Horem	
BHXE	Hunxe	
IBBE	Ibbenbueren East	
IBBS	Ibbenbueren South	
IBBN	Ibbenburen	
BD13	Immerath	
JCK	Jackerath	
JUE	Julich	
KLL	Kalltalsperre	
BA10	Klein Altendorf	
BA19	Koln Dom Grabung	
BA26	Kln Uni	
BA07	Koln University	
NE39	Krefeld	
BD14	Kuckum	
LAUG	Laupendahl	
MEC	Mechernich	
NE34	Mettingen	
BD03	Millendorf	
MWG	Munster	
OLFT	Oleftalsperre	
BD10	Pesch	
PLH	Pulheim	
BRHE	Rheinberg	
RPM	Rheinpreussen Mine	
RODG	Roetgen-Dahlheim	
BD07	Roetschberg	
BHOF	Ruhr-University Bochum -- Hof Stiepel	
BKLB	Ruhr-University Bochum--Klosterbusch Mine	
BULI	Ruhr-University Bochum - Language Institute	
BSHA	Ruhr-University Bochum- -Staatshockbauamt	
BTEZ	Ruhr-University Bochum--Technical Center	
BA05	Sindorf	
SORT	Sorpetalsperre	
BA18	Steinbach	
STB	Steinbach	
BA02	Stolberg	
BD02	Tagebau Bergheim	
BD15	Terra Nova	
TDN	Todenfeld	
BA16	Vanikum	
WBS	Wahnbachtalsperre	
RWB	Wassenberg	
BA03	Weissweiler	
BA14	Wollersheim	
NE41	Zyfflich	
Rheinland-Pfalz		
ABH	Alteburg	
AHRW	Bad Neuenahr-Ahrweiler	
BIW	Bindweide	
BLI	Bleialf	
BGG	Burgeitz	
DUP	Duppenweiler	
FACH	Fachingen	
HILG	Hillesheim	
FSH	Hochheid	
NAST	IGS Nastaetten	
IMS	Imsbach	
KTD	Kalmit	
KOE	Koeppel	
PEB	Petersbachel	
PIR	Pirmasens	
RIVT	Riveris	
RUP	Ruppelstein	
BHE	Schloss Buerresheim	
LOH	Wallersheim-Loch	
Sachsen		
BRG	Berggiesshubel	
CLL	Collm	
FBE	Freiberg	
GUNZ	Gunzen	
LEI	Leipzig	
MULD	Muldenberg	
TRIB	Obertriebel	
ROHR	Rohrbach	
SCHF	Schoenfels	
TANN	Tannenbergsthal	
WERD	Werda	
WERN	Wernitzgruen	
WUET	Wuestenhain	
Sachsen-Anhalt		
HLE	Halle	
NEUB	Neuenburg	
WIMM	Wimmelburg	
Schleswig-Holstein		
BSEG	Bad Segeberg	
HLG	Helgoland	
Thuringen		
CRUX	Bergwerk Schwarze Crux	
CHRS	Christianenhaus	
HKWD	Heukewalde	
HWTS	Hohenwarte Talsperre	
JEN	Jena	
KBDG	Kleinbodungen	
ABG1	Leinawald	
GRZ1	Mausoleum Waldhaus Greiz	
MODW	Modelwitz	
MOX	Moxa	
PLN	Plauen	
POSS	Possen	
SCHD	Schmiedefeld	
SON	Sonneberg	
ZEU	Talsperre Zeulenoda	
TAUT	Tautenburg	
THWA	Thringer Wald Luisenthal	
LEIB1	TS Leibis	
VITZ	Vitzeroda	
WESF	Westfeld	
ANNA	Wolkenburger Bergbaurevier	
Greece		
Crete		
AGN1	Agios Nikolaos	
IDI	Anoyia	
ARK1	Arkalochori	
CH02	Chania	
CHAN	Chania	
CH01	Chania	
FODE	Fodele	
GAVD	Gavdhos	
GVD	Gavdhos	
GVDS	Gavdos	
GOR1	Gortina	
HRKL	Herakleio	
HER3	Herakleio	
HER2	Herakleio	
HER1	Herakleio	
IACM	Heraklion	
IMMV	Iera Moni Metamorfosis, Varipetro, Chania, Crete	
FRMA	Ierapetra Chania	
THT2	Imerovigli	
KLMT	Kalamata	
KLDN	Kaloudiana Chania	
KARN	Karanos	
KRPT	Karpathos	
KSTL	Kastelli Heraklio	
KERA	Keramoti	
XRY	Khrisi	
KIS1	Kissamos	
KOSK	Kos Island	
KRIS	Kristallenia	
KTHR	Kythira	
LAST	Lasithi	
APEZ	Moni Apezanon	
NPS	Neapolis	
KNDR	Palaiochora Chania	
PLC1	Palaiochora Chania	
PRNS	Prines Rethymno	
RTH1	Rethymnon	
RODP	Rodopos	
SFK1	Sfakia	
SIT2	Siteia	
STIA	Sitia Lasithi	
SIVA	Sivas	
SKOR	Skordalos	
AKRT	Stavros Akrotiri	
CH03	Technical University Creta	
TMBK	Timbaki Heraklio	
VAM	Vamos	
ZKR	Zakros	
N029M	Achladochori, N029	
ACOR	Acrocorinthos	
S020	Ag. Anna	
VAG	Aggia Anna	
MHLO	Agia Marina, Milos Island	
AGT1	Agia Thekli	
MET4	Agioi	
AXAR	Agios Charalampos	
EFSA	Agios Efstratios	
AGG	Agios Georgios	
AGEO	AgiosGiorgios, Aigialia, West Greece	
AIOA	Agios Ioannis, Aigialia, West Greece	
IKRA	Agios-Kirikos-Ikarias	
AGNA	Agios Nikolaos	
ANS1	Agios Nikolaos Laconias	
DYR	Agios Nikonas	
S040	Ag. Konstantinos	
N001M	Ag. Marina, N001	
AGRP	Agrapidokambos, Nafpaktia, West Greece	
AGR2	Agrinio	
AGR3	Agrinion	
AIA1	Aiani, KOZANI	
S034	Aidipsos	
AIDA	Aidipsos	
AIG2	Aigio	
AIG1	Aigion	
AIG4	Aigion	
AIG3	Aigion	
AKR1	Akrata	
ALEX	Alexandroupolis	
ALN	Alexandroupolis	
ALX1	Alexandroupolis	
N023M	Aliakmonas, N023	
ALIK	Aliki, Aigialia, West Greece	
ALNA	Alonissos	
AOS2	Alonissos-2	
AOS	Alonnisos	
AML1	Amfilochia	
AMOR	Amorgos	
AMGA	Amorgos Island	
AMPL	Ampelaki	
AMYA	Amyntaio	
ANAF	Anafi Island	
THERA	Ancient Thera,Santorini,Greece	
ANDM	Andravida	
ANDRE	Andros, ANDR	
KFL	Anninata	
ANX	Ano Chora	
S006	Ano Karies	
N027M	Ano Kerassia, N027	
N028M	Ano Kerassia, N028	
N008M	Ano Lampsista, N008	
AT04E	Ano Thoriko, AT04	
ANKY	Antikythira Island	
APE	Apeiranthos	
APER	Aper	
AXS	Araxos	
ARX	ARAXOS	
AOL1	Archaia Olimpia	
ARE2	Areopolis	
ARS1	Argos	
ARG2	Argostoli	
KES22	Argostoli (Greece)	
KES06	Argostoli (Greece)	
KES14	Argostoli (Greece)	
KES11	Argostoli (Greece)	
KER02	Argostoli (Greece)	
KES02	Argostoli (Greece)	
KES08	Argostoli (Greece)	
KES04	Argostoli (Greece)	
KES18	Argostoli (Greece)	
KES29	Argostoli (Greece)	
KES13	Argostoli (Greece)	
KES16	Argostoli (Greece)	
ARGA	Argostoli. Kephalonia	
KEF2	Argostoli. Kephalonia	
PE04E	Arkadiko, PE04	
ARG	Arkhangelos	
RHD	Arkhangelos	ARG
ARN1	Arnaia	
ART2	Arta	
ARTB	Arta	
AMT	Artemida-Makistos	
AST1	Astakos	
ASTA	Astypalaia	
ATAL	Atalanti	
ACHAR	Athens-Acharnes	
ACRA	Athens-Acropolis a	
ACRE	Athens-Acropolis e	
ACRK	Athens-Acropolis k	
DRPA	Athens-Drapetsona	
ELFA	Athens-Elefsina	
ATHP	Athens-Neo Psichiko	
ATU	Athens Obs.	ATH
ATH	Athens Observatory	
ATH5	Athens Parliament	
NOAC	Athens-Thissio	
ATHU	Athens University	
THT1	Athinios (Pelekanos)	
XANC	Avdira	
S027	Avlonas	
KEA00	Center of French Array, Koutavos Park, Argostoli (Cefalonia, Greece)	
KEB01	Center of German array, Koutavos Park, Argostoli (Cefalonia, Greece)	
CK00	CEPHALONIA KOUTAVOS	
CK15	CEPHALONIA KOUTAVOS 15	
CK40	CEPHALONIA KOUTAVOS 40	
CK06	CEPHALONIA KOUTAVOS 6	
CK83	CEPHALONIA KOUTAVOS 83	
CKWP	CEPHALONIA KOUTAVOS FF	
S004	Chalkas	
S104	Chalkias	
PLN1	Chaniotis	
CHV1	Chavriata, Kefallonia	
CHOS	Chios island	
N016M	Chromio, N016	
S009	Chrysovitsi	
CMBO	Columbo, Santorini Isl.	
DMLN	Damoulianata-Kefalonia-Greece	
DLFA	Delphi	
DVI	Derveni	
DESF	Desfina	
DSF	Desfina	
DESFA	Desfina	
DID	Didima	
DIDY	Didyma	
TRGA	Dikaia	
N017M	Dimitra, N017	
DIMT	Dimitropoulo, Aigialia, West Greece	
DION	Dionisos Attiki	
PEFK	Dio Pefka	
N009M	Dipotamo, N009	
DDN	Dodoni	
DRAG	Dragano-Lefkada	
DRA2	DRAMA	
DRO	Drossia	
EDE1	Edessa	
EFP	Efpalio	
ITS1	Elaiones	
S024	Eleon	
EPID	Epidavros	
ERET	Eretria	
EREA	Eretria	
VTH	Erithrai	
IDHRE	Ermioni, IDHR	
EVR	Evrytania	
EXG	Exogi	
PIR2	Faliron Pireas	
VFI	Filaki	
COUR	Fili	
THR7	Fira-Santorini	
FSK	Fiskardo	
FLO1	Florina	
FLO2	Florina	
FNA	Florina	
SFIR	Foira Santorini	
KEFOR	Forestry Corps, Argostoli (Cefalonia, Greece)	
FILI	Fyli	
PARN1	Fyli,Attica,Greece	
FYTO	Fytoko, Volos	
RGE1	Gennadi, Rhodes Island	
S018	Gerania	
MGER	Gerania Oros	
N002M	Geroplatanos, N002	
SNT1	Gialos, Santorini	
GIA1	Giannitsa	
GINA	Giannouli	
VGL	Glafira	
GOU1	Goumenissa	
GUR	Goura	
GRE3	Grevena	
GRG	Griva	
GTH2	Gythion	
HORT	Hortiatis	
YDRA	Hydra	
IER1	Ierissos	
IGT	Igoumenitsa	
IGM2	Igoumenitsa	
IOSP	Ios island	
ITE1	Itea	
ITC1	Ithaki	
ITHO	Ithomi	
ITM	Ithomi	
JAN	Janina	
JAN3	Jannena	
JAN2	Jannena	
KLR1	Kalamaria	
KAL3	Kalamata	
KLV1	Kalavrita	
KLV	Kalavryta, Achaia	
PE02E	Kaliani, PE02	
KALE	Kalithea	
S031	Kalithea	
RKL1	Kallithies, Rhodes Isl.	
N006M	Kalochori, N006	
N015M	Kaloneri, N015	
KLNA	Kalymnos	
S002	Kamari	
KMV1	Kammena Vourla	
N020M	Kapnoxori, N020	
KEF1	Kardakata, Kephalonia	
KEF5	Kardakata, Kephalonia	
S010	Kardaras	
KARIA	Karia	
KRL1	Karlovasi Samou	
KRPA	Karpathos	
KARP	Karpathos	
KAP	Karpathos	
SAP2K	Karterados	
SNT3	Karterados, Santorini	
KARY	Karystos	
KASA	Kassiopi	
KSS1	Kassos Island	
KTI	Kastanea	
KSL	Kastellorizon	
KSO	Kastoria	
KAS2	Kastoria	
KTLO	Katakolo	
KAT1	Katerini	
KAC1	Kato Achaia	
VRS	Kato Vasiliki	
RKT1	Kattavia Rhodes Isl.	
KVLA	Kavala	
KAVA	Kavala	
KAVS	Kavala, KAV	
KVR	Kavouri	
N034M	Kedrikon, N034	
KNT	Kendrikon	
KRI1	kERI	
KRK1	kERKIRA	
KEK	Kerkira	
XIO	Khios Island	
KIAA	Kiato	
KIF1	Kiffisia	
KIL1	Kilkis	
KEF3	Kipouria, Kephalonia	
KPRO	Kipourio	
VILLA	Kithairon	
MKIT	Kithairon Oros	
KYTH	Kithira	
S014	Klenia	
N007M	Klimatia, N007	
KOKK	Kokkinochori, Kavala	
KMT1	Komotini	

Code	Station Name	Other
KONA	Konidatara, Kephalonia	
KNS1	Konitsa	
KNS	Konitsa	
N024M	Kontariotissa N024	
N025M	Kontariotissa N025	
N026M	Kontariotissa N026	
KOR2	Korinthos	
KOS1	Kos Island	
KOUM	Koumaradei	
PE01E	Kouteli, PE01	
KZN	Kozani	
KOZ2	Kozani	
KRND	KRANIDI	
KRES	Krestena	
S030	Krieza	
S015	Krioneri	
KYM1	Kymi	
S035	Kymi	
KYMI	Kymi, Euboea Island, Greece	
KYP2	Kyparissia	
MES3	Kyparissia	
KTHA	Kythira Island - Agia Moni	
LSM0	Laboratory Soil Mechanics	
LSM1	Laboratory Soil Mechanics	
LGD1	lAGKADAS	
LMS2	Laimos Florinas	
LAKA	Lakka	
LAM2	Lamia	
LRSO	Larissa Observatory	
LVRA	Laurium	
LCHA	Lechaina	
EVGI	Lefkada island	
LKD2	Lefkada island	
LEF2	Lefkas	
LFKM	Lefkimmi	
LEO1	Leonidio	
PE07E	Leonidio, PE07	
S013	Leontio	
LESV	Lesvos island, N. Greece	
LKD	Levkas	
LOS	Limnos	
LIA	Limnos Island	
RLN1	Lindos, Rhodes Isl.	
LTHK	Lithakia	
LIT	Litokhoron	
N018M	Livadero, N018	
KEF4	Livadi, Kephalonia	
LXR1	Lixouri, Cephalonia isl., Greece	
LXRA	Lixouri, Kephalonia	
LKR	Lokris	
LTRA	Loutraki	
LOUT	Loutraki	
S017	Loutraki	
LTK	Loutraki	
AT03E	Loutropirgos, AT03	
TMU2	Macedonia Univ,	
MAGU	Magoula	
MAGOA	Magoula	
MG00	Magoula, Dorida, Central Greece	
MAKR	Makrakomi, Fthiotida	
N010M	Makrino, N010	
MET5	Makryloggos,Methana,Greece	
MALA	Malamata, Dorida, Central Greece	
MALES	Malesina	
MAMO	Mamousia	
S023	Mandra	
PARN3	Mandra,Attica,Greece	
MRKA	Markates	
VMA	Markates	
MRMA	Marmari	
S029	Marmari	
EAG2	Marmaro, Chios	
S025	Martino	
S007	Mavria	
S021	Mazi	
MET6	Megalochori,Methana,Greece	
MGP1	Megalopolis	
MGNA	Meganis	
TMN1	Menemeni	
MSL1	Messolongi	
MTHA	Methoni	
MES2	Methoni	
METSI	Metsovo, MET	
MEV	Metsovon	
N012M	Mikrolivado, N012	
N111M	Milia, N111	
N136M	Milia, N136	
N211M	Milia, N211	
MILOS	Milos	
MHL	Milos	
LMN1	MIRINA LIMNOU	
EAG3	Mitilini, Lesvos	
MOKI	Monasteraki	
MNVA	Monemvasia	
PARN2	Moni Osiou Meletiou,Attica,Greece	
MOS1	Moschato	
MYT1	Mytilini	
NFP	NAFPAKTOS	
NASA	Naoussa	
NAX1	Naxos Island	
AGXA	Nea_Anchialos	
NHR1	Nea Herakleia	
VOL3	Nea Ionia, Volos	
SNT5	Nea Kammeni, Santorini	
NPS1	Neapolis Laconias	
NMA1	Nemea	
VNE	Neochorion	
PE05E	Neochori, PE05	
NEO	Neokhori	
S011	Nestani	
NEST	Nestorio	
NVR	Nevrokopi	
NGRA	Nigrita	
NISR	Nisiros	
NAIG	Nisos Aigina	
NSAL	Nisos Salamina	
NIS3	Nisyros Isl.	
NIS1	Nisyros Isl.	
NIS4	Nisyros Isl.	
NIS2	Nisyros Isl.	
NYDR	Nydri-Lefkada	
OREA	Oraiokastro	
ORTH	Orthonies,Zakynthos,Greece	
OUR	Ouranopolis	
DSL	Palaion Diasellon	
N003M	Paleokklisi, N003	
S032	Paliouras	
PLR1	Paliouri	
PAIG	Paliouri	
PAN1	Panorama	
PANR	Panormos, Dorida, Greece	
S026	Pantixeio	
PARAA	Paradisi	
PRK	Paraskevi	
PVO	Paravola	
RGA	Parga	
PRGA	Parga	
MPAR	Parnis Oros	
N036M	Partheni, N036	
PASK	Pasakaki Chania	
PATG	Patra B	
PATC	Patra C	
PAT	Patras	
PAT4	Patras	
S008	Pavlia	
VPA	Pavliani	
PENT	Pentalofos	
N033M	Pentalofos, N033	
PTL	Penteli	
PER1	Peristeri Attica	
PSDA	Pessada-Kefalonia	
PET1	Petalidi	
PLA1	Pilaia Thessaloniki	
PIR3	Pireas	
PIR1	PIREAS,	
MHLA	Plaka, Milos Island	
VIL2	Platees	
KES20	Police station, Argostoli (Cefalonia, Greece)	
EAG1	Polichnitos, Lesvos	
POL1	Poligiros	
N031M	Polipetro, N031	
N005M	Polydoro, N005	
N004M	Polydroso, N004	
PLG	Polygyros	
KYT1	Potamos Kythira	
PRMD	Pramanda	
PRE2	Preveza	
PDO	Prodromos	
PROD	Prodromos	
S126	Profitis Ilias	
S033	Prokopi	
PSRA	Psara	
PSAR	Psari	
PSARO	Psaromita, Dorida	
PSA1	Psathopyrgos	
PE03E	Pteri, PE03	
PTO1	PtolemaidA	
PYL1	Pylos	
PYL	PYLOS	
PYR2	Pyrgos	
PYR3	PYRGOS	
PYRG	Pyrgos, Dorida, Greece	
S001	Rahes	
RTZL	Ratzakli, Kefalonia, Greece	
PRF2	Region of Thessaloniki	
RTHF	Rethymno-Limin	
RHO	Rhodes	
RPN1	Rhodes Hospital	
RDI1	Rhodes Town Hall	
RIOA	Rio	
RLS	Riolos of Patras	
PAT5	Rio Patras	
RIZA	Riza	
RDO	Rodhopi	
RODI	Rodini	
ROD3	Rodini, Patras, West Greece	
RODB	Rodos	
SGD	Sagiada	
N030M	Samari, N030	
SMHA	Samh	
SMS	Samos	
SMG	Samos	
SMTH	Samothraki Island	
SANT	Santorini	
SAP1	Santorini-Akrotiri	
THR9	Santorini-Faros Akrotiriou	
THR8	Santorini-Monolithos	
SAP4	Santorini-Oia	
SAP3	Santorini-Thirassia	
SPP1	Sappes Rodopi	
SAR1	Sarti	
SELA	Sela	
N022M	Seli, N022	
SERG	Sergoula	
SERI	Serifos	
SRS	Serrai	
SRS1	Serres	
N039M	Serres, N039	
SIA1	Siatista	
N014M	Sidenro, N014	
N021M	Sideras, N021	
SGR1	Siggri Mitillinis	
SIGR	SIGRI	
VSI	Simia	
SMIA	Simia	
N013M	Sitaras, N013	
S003	Sitohorio	
SKIA	Skiathos	
SKY	Skiros Island	
VSK	Skopelos	
SKO1	Skopelos Island	
N019M	Skoteina, N019	
S012	Skoteini	
S037	Skyros	
SKY1	Skyros Island	
SOFA	Sofades	
SOFI	Sofiko	
SOH	Sokhos	
RSO1	Soroni, Rhodes Isl.	
SFL1	Soufli	
S005	Stasimo	
STV1	Stavros	
STL1	Stavrpu;p[is Thessaloniki	
STEF	Stefani	
STFN	Stefani	
STEV	Stivos	
STCV	Stivos	
SFD	Strofades	
S039	Syros	
STAX	Taxiarchis Harbor, Nea Kameni, Santorini Island.	
TEME	Temeni, Aigialia, West Greece	
TETR	Tetrakomo, Epirus, Greece	
THAL	Thalero	
THSA	Thassos	
THAS	Thassos island	
THS1	Thassos, Thassos Island	
THR1	Thera Island	
N040M	Therma, N040	
THE	Thessaloniki	
SEIS	Thessaloniki	
AMK1	Thessaloniki Airport	
THE6	Thessaloniki CITY Hotel	
TEK1	Thessaloniki EKO Refinery	
LIB1	Thessaloniki Library	
PRF1	Thessaloniki Prefecture	
PRF0	Thessaloniki Prefecture D.H.	
THE7	Thessaloniki sewage pipe	
STA0	Thessaloniki S.S. Downhole	
STA1	Thessaloniki S.S. Downhole	
THRA	Thira	
THR6	Thira Island, Akrotiri	
THR5	Thira Island, Kera	
THR3	Thira Island, Nea Kammeni	
THR4	Thira Island, Oia	
THR2	Thira island, Vourvoulos	
THV2	THIVAI	
TNSA	Tinos	
TRAZ	Trapeza	
N038M	Triada, N038	
TRKA	Trikala	
TRP1	Tripolis, Arkadia	
TRISI	Tripoli, TRI	
TRIZ	Trizonia	
TSLK	Tsoukalades, Lefkada island	
TYRN	Tyrnavos	
NEOK	Tzaverdella	
UPR	University Campus, Patras University	
VLS	Valsamata	
VALY	Valyra	
VAR2	Vartholomio	
VSK1	VASILIKIADES	
VSL1	Vassilika	
VSK2	Vassilikiades, Cephalinia Isl.	
VAS2	Vassiliki, Lefkas Island	
SMG1	Vathi Samos	
VLI	Veliai	
VERN	Vergina	
VER1	Veroia	
VIL1	Vilia, Western Attica	
VILL	Villia	
S022	Villia	
VTN	Vitineika	
VLX	Vlachokerasia	
SNT2	Vlychada, Santorini	
VOL	Volimes	
VLMS	Volimes, Zakynthos	
VOL2	Volos	
VVK	Vomvokou	
VLY	Voula,Athens	
N011M	Vovousa, N011	
VRO1	Vrontados, Chios Island	
VNG	Vunargo	
XAN2	Xanthi	
XOR	Xorichti	
S019	Xyronomi	
ZARO	Zacharo	
ZKS	Zakynthos	
ZAK2	Zakynthos	
ZAN	Zante	
ZIRI	Ziria, Aigialia, West Greece	
ZOFR	Zofira	
KEAIE	Zoodochos Pigi, KEAI	

Thessaly

FRS1	Farsala	
THL	Klokotos Trikala	
LAR4	Larissa	
LAR5	Larissa	

Gulf of Cadiz

EXAGE	Algeciras	
EXBAR	Barbate	
GEOST	Geostar deep sea observatory	
NRT01	OBS01, N0701	
NRT02	OBS02, N0702	
NRT03	OBS03, N0703	
NRT04	OBS04	
NRT05	OBS05, N0705	
NRT06	OBS06	
NRT08	OBS08	
NRT09	OBS09, N0709	
NRT10	OBS10	
NRT11	OBS11	
NRT12	OBS12	
NRT13	OBS13, N0713	
NRT14	OBS14	
NRT15	OBS15	
NRT16	OBS16	
NRT17	OBS17, N0717	
NRT18	OBS18	
NRT19	OBS19	
NRT20	OBS20	
NRT21	OBS21	
NRT22	OBS22, N0722	
NRT23	OBS23, N0723	
NRT24	OBS24	
NRT25	OBS25	

Hessen

WBBU	Buerstadt	
WBDA	Darmstadt	
EBSD	Ebsdorfer Grund, Hesen	
GWBD	Espenschied/Hessen	
WBFM	Frankfurt	
GODD	Goddelau	
WBFO	Grube Fortuna	

Hungary

ABAH	Abaujker	
PKB2	Akaszto	
AMBH	Ambrzfalva	
A269A	Baj	
RHK1	Bakonya	
RHK2	Bata	
BEHE	Becsehely	
BKE	Bekescsaba	
BSZH	Besenyszg	
PKS6	Bocsa	
BOKD	Bokod	
A272A	Blcske	
BUD	Budapest	
PKSC	Csakvar	
PKB3	Csaszartoltes	
CSKK	Cskako	
DEB	Debrecen	
EGYH	Egyhazaskeszo	
PKB1	Eloszallas	
GYL	Gyula	
A266A	Gyulaj	
PKS5	Helvecia	
A263A	Hollad	
A271A	Ivancsa	
JOS	Josvafo	
KAL	Kalocsa	
A267A	Kaloz	
A265A	Kaposfured	
PKS2	Kecel	
KEC	Kecskemet	
PKB4	Kolesd	
KOVH	Kovagotottos	
PKS7	Kunszentmiklos	
LTVH	Ltavrtes, Hungary	
MPLH	Magyarpolny	
A273A	Marcsa	
PKS4	Mecseknadasd	
PKSM	Moragy	
MORH	Mrgy, Hungary	
NGRH	Nagyer	
PKSN	Nyarlorinc	
A261A	Ohid	
PENC	Penc	
PSZ	Piszkesteto	
PSZI1	Piszkesteto infrasound array 1	
PSZI2	Piszkesteto infrasound array 2	
PSZI3	Piszkesteto infrasound array 3	
PSZI4	Piszkesteto infrasound array 4	
FPOZ	Pozzuolo	
PKB5	Pusztahencse	
A268A	Rede	
PKS8	Sarbogard	
PKS3	Solt	
SOP	Sopron	
SUKHU	Sukoro, SUKH	
A262A	Szaknyer	
SZE	Szeged	
A270A	Szokolya	
PKS9	Tamasi	
A264A	Tarany	
TRPA	Tarpa	
RHK3	Tenkes	
PKST	Ts	
TIH	Tihany	
RHK5	Tyukosdulo	
UZD	Uzd	
A260A	Vassurany	
VSOM	Vertessomio	
ETYK		
PKSG		

Ireland

ILTH	Belurgan, Co Louth	
ECP	Carnsore Point	
IWEX	Carrickbyrne, Co Wexford	
ECB	Carrickbyrne Hill	
CORK	Cork	
DCN	Croghan	
DSB	Dublin	
DMS	Dublin Merrion Square	
DDK	Dunsink Observatory	
IGLA	Glengowla, Co Galway	
IDGL	Inch Island, Co Donegal	
DKM	Kilmashogue	
DMU	Kingscourt	
DMUB	Kingscourt	
LIMH	Limerick	
DLE	Lyons Estate	
DLF	Lyons Farm	
DUB	Rathfarnham	
ETA	Tara	
VAL	Valentia	

Isle of Man

WIM	Isle of Man	
IOMK	Kirk Michael	
GIM	North Isle of Man	

Italia

ALB1	ALBI	
UNPM	Ancona Politecnico	
BARO	Barbarano Romano	
MI07	Bazzano	
MAGO	Bibbona	
CPCA	Capracotta	
CSVS	Castel Viscardo	
SU05	Cortoghiana (CI)	
CUM07	CUSANO MUTRI	
T1012	Faicchio (BN)	
CISCH	FORIO D' ISCHIA	
MI04	Fossa	
GIZZ	Gizzeria	
TB01	Gubbio	
A301A	Isiata (VE)	
TREM	Isole Tremiti	
LAS20	La Martella	
T1414	Larino (CB)	
LTSN	Latisana	
LSS	Leonessa	
A303A	Lido-Pellestrina (VE)	
T1412	Lupara (CB)	
MTRA	Matera	
MTMR	Montemarano	
PC04	Monticchio (on limestone)	
A300A	Muzzana del Turgnano (UD)	

Code	Station Name	Other
MI03	Onna	
PET25	Pettoranello del Molise	
TB03	Pietralunga	
TB02	Pietralunga	
DPIA	Ponte Pia'	
A302A	Resana (TV)	
RIC12	RICCIA	
RCAV	Rocca di Cave	
SGF7	San Giovanni in Paganica (AQ), Italy	
T1415	San Leucio (CB)	
SPCA	San Pietro in Casale	
T1101	Santa Maria Delle Macchie	
MI08	Sant'Antonio	
MI10	Sant'Elia 1	
SAS10	SASSINORO	
MI05	S. Eusanio Forconese	
SU04	Teulada	
TOR05	TORRECUSO	
DVSC	Val Schener	
Italy		
T0402	Abbadia di Fiastra (Tolentino)	
NARO	Abbazia di Naro	
ABSI	Aberstueckl	
ABRE	Abriola	
ACATE	Acate (RG)	
CAAM	Accademia Aeronautica Militare Pozzuoli (NA) Italy	
MZ103	Accumoli (campo sportivo)	
T1202	Accumoli, Frazione Villanova (RI)	
MZ102	Accumoli (Madonna delle Coste)	
RM31	Accumuli	
ACER	Acerenza	
ACOM	Acomizza, Italy	
T0702	Acquaformosa (CS)	
ACQ	Acqui Terme	
ADRI	Adria, Italy	
ROSPO	ADRIATIC SEA	
AGNN	Agnone	
AGOR	Agordo	
AIR06	AIROLA	
ALSD	Alessandria	
ALJA	Alia	
TO02	Allumiere - RM	
APGO	Alpago	
AFL	Alpe Faloria	
AMUR	Altamura	
AMAD	Amandola	
AM04	Amandola Base Costone Ospedale	
AM05	Amandola Campo Sportivo	
AM02	Amandola Istituto Tecnico	
AM03	Amandola Ospedale	
AM01	Amandola Torre del Podest	
AMSN	Amaseno	
MZ28	Amatrice (agriturismo)	
MZ30	Amatrice (Alberghiero)	
MZ29	Amatrice (caseificio storico)	
MZ31	Amatrice (fosso)	
T1204	Amatrice, Frazione Cossitto (RI)	
MZ12	Amatrice (garden)	
MZ08	Amatrice RAN	
MZ10	Amatrice San Cipriano	
AM9	Amelia	AMI
AMI	Amelia	
ANS	Ancona	
AOI	Ancona	
AND3	Andretta	
ME06	Antenna a Mare	
LANT	Antrodoco	
AOSA	Aosta	
APEC	Apecchio	
APPI	Appiano	
APRC	Apricena	
ACI	Arcavacata	
ACIS	Arcavacata di Rende	
ARCV	Arcevia	
ARVD	Arcevia	
ARV	Arcevia	
ARCI	Arcidosso	
ARIC	Ariccia	
ARY	Ariccia, Rome	
ARME	Armento	
LRP	Arpino	
AQT1	Arquata del Tronto	
T1214	Arquata del Tronto, Frazione Forca Canapine (AP)	
T1244	Arquata del Tronto, Frazione Spelonga (AP)	
ARRO	Arrone	
VARZ	Arzignano	
ASCL	Ascoli Piceno (IT)	
ALP	Ascoli Pisceno	
ASGO	Asiago	
ASOL	Asolo	
MASO	Asolo, Italy	
ASQU	Asqua	
RM28	Assergi	
ASS	Assisi	
ASSB	Assisi San Benedetto	
ASTI	Asti	
AVL	Avellino	
AZI	Avezzano	
AVG3	Avigliano	
UVAG	Avigliano	
ATCC	AVT- Casa Castalda	
ATLO	AVT- Montelovesco	
ATTE	AVT- Monte Tezio	
ATVA	AVT- Monte Valcinella	
ATVO	AVT- Monte Valentino	
BACM	Baccana	
BCLI	Bacoli	
A291A	Badia	
BADI	Badiali	
BDI	Bagni Di Lucca	
SF13	Bagnolo	
BAG8	Bagolino	
BAI2	Baranello	
BRLL	Baranello	
TO08	Barbarano Romano - VT	
SBPG	Barcellona Pozzo di Gotto	
BNI	Bardonecchia	
BAI	Bari	
BAI*	Bari	
BRT	Bari-Castellana	
OT15	Bari, Italy	
BRSN	Barisano	
RM14	Barisciano	
BSS	Baronissi	
BAS04	BASELICE	
BELF	Belforte del Chienti	
BEL3	Bella	
BLLA	Bellaria	
A304A	Bellombra (RO)	
BNV	Benevento	
BN013	BENEVENTO	
A307A	Bentivoglio (BO)	
BGMO	Bergamo	
A289A	Bergamo, Funivia il Toro, Foppolo	
BAD	Bernadia	
BERI	Bernadia	BAD
BETT	Bettona	
BIBN	Bibbiana	
MOCO	Biccari - m.te Cornacchia	
BIEL	Biella	
BIOG	Biogem	
BSC3	Bisaccia	
BOB	Bobbio (Coli)	
CCE3	Bocca Seriola	
BOL	Bologna	
T1256	Bolognola (MC)	
BLZ	Bolzano	
BLZN	Bolzano	
BOSI	Bolzano	
A290A	Bolzano, San Nicolo, Ultimo	
T0805	Bondeno (FE)	
RM20	Borbona	
BORI	Bordano	BOO
BOO	Bordano	
BSL	Borgo	
BL1	Borgo	BSL
BOSL	Borgo San Lorenzo	
BVT	Borgo Val di Taro	
BORM	Bormio	
BRMO	Bormio	
BORS	Borseda	
BOTT	Botticino	
BOTM	Botticino Mattina	
SGAL	Botticino - San Gallo	
BOZZ	Bozzolo	
A312A	Bozzolo (MN)	
BNO	Breno	
BRES	Bressanone	
GRDB	Briano	
BHB	Bricherasio	
BRIE	Brienza	
BRDS	Brindisi	
BRIS	BRISIGHELLA	
ME04	Brognaturo	
BUII	Buia	BUA
BUA	Buia	
BULG	Bulgheria - Camerota	
BAL01	BUONALBERGO	
BSSO	Busso	
FCAB	Cabia	
CAGG	Caggiano	
CG1H	Caggiano	
CGG3	Caggiano	
CAGL	Cagli	
CKI	Cairo Montenotte	
MCRV	Calabritti - M.te Cervialto	
CALI	Calice al Cornoviglio	
CLTR	Calitri	
CLT3	Calitri	
CCLV	Calvizzano	
TCMO	Camaiore	
MI06	Camarda	
CMR	Camerino	
CIO	Camerino	
CMRN	Camerino	
T1220	Camerino, Frazione Baregnano (MC)	
CMP3	Campagna	
CMPN	Campana	
T1221	Campello sul Clitunno, Frazione Spina Nuova (PG)	
CASE	Campi Flegrei, Astroni est, (NA) Italy	
CAWE	Campi Flegrei, Astroni ovest, (NA) Italy	
CBAG	Campi Flegrei Bagnoli (NA) Italy	
CFB1	Campi Flegrei Boa1 Golfo di Pozzuoli (NA) Italy	
CFB2	Campi Flegrei Boa2 Golfo di Pozzuoli (NA) Italy	
CFB3	Campi Flegrei Boa3 Golfo di Pozzuoli (NA) Italy	
CMIS	Campi Flegrei Capo Miseno Bacoli (NA) Italy	
CBAC	Campi Flegrei Castello di Baia (NA) Italy	
COLB	Campi Flegrei Monte Olibano Pozzuoli(NA) Italy	
CMSN	Campi Flegrei Monte S.Angelo, Napoli (NA), Italy	
CNIS	Campi Flegrei Nisida, Napoli (NA), Italy	
CFMN	Campi Flegrei Oasi WWF Monte Nuovo Pozzuoli (NA) Italy	
CPIS	Campi Flegrei Pisciarelli Agnano(NA) Italy	
CAFL	Campi Flegrei, Pozzuoli, Arco Felice, (NA) Italy	
CPOZ	Campi Flegrei, Pozzuoli harbour, (NA) Italy	
CFSB	Campi Flegrei Sea Bottom Golfo di Pozzuoli (NA) Italy	
CSOB	Campi Flegrei Solfatara Bordo Est (NA) Italy	
CSFT	Campi Flegrei Solfatara Pozzuoli (NA) Italy	
CSTH	Campi Flegrei Tennis Hotel, Pozzuoli (NA), Italy	
CMPR	Campora	
T0715	Campotenese	
CAMP	Campotosto	
CMPO	Campotto Po	
TO03	Canale Monterano - RM	
FG4	Candela	
CAE	Caneva	
RE02	Canossa - RE	
CANO	Canova, Magliolo (SV)	
CLPS	Cantalupo del Sannio	
CNTN	Cantiano	
ATCA	Cantone	
ACAP	Capistrello	
MB04	Capitignano (AQ), Italy	
MB10	Capitignano (AQ), Italy	
MB08	Capitignano (AQ), Italy	
MB05	Capitignano (AQ), Italy	
MB01	Capitignano (AQ), Italy	
MB03	Capitignano (AQ), Italy	
CP01	Capitignano Campo Calcio	
CP04	Capitignano, Mopolino alta	
CP07	Capitignano Paganica asilo nido	
CP06	Capitignano, Paterno campo sportivo	
CP02	Capitignano, via della Repubblica	
CP05	Capitignano, via di Sopra	
CADA	Capodarco di Fermo	
CAP	Capodimonte	
SN1	Capo Mulini Mare	
CVI	Capo Vaticano	
CPV	Cappella Vecchia, Vesuvio (NA), Italy	
A317A	Capraia (LI)	
CRE	Caprese Michel	
LEOD	Capriano del Colle	
CADC	Capriano del Colle, Italy	
MZ14	Capricchia	
MZ64	Capricchia	
CAPR	Capriolo	
RM27	Carapelle Calvisio	
CRDM	Cardoso	
CARD	Cardoso	
T0916	Careggine (LU)	
CAFE	Carife	
CAR22	CARIFE	
A281A	Carmagnola	
CRMI	Carmignano	
CARO	Carolei	
CAR1	CAROLEI	
CRVI	Carovilli	
CII	Carovilli	
CARP	Carpanzano	
CPGN	Carpegna, Italy	
PCRP	Carpino	
CPI2	Carpinone	
CSO1	Carsoli	
CRTC	Cartoceto	
CSCL	Casacalenda	
T0203	Casalattico (FR)	
MZ02	Casale	
RM12	Casamaina	
CAS	Casamari	
CSM	Casamicciola	
OC9	Casamicciola	
CTNS	Casa Tonetto Surface	
MZ60	Cascello	
T1212	Cascia, Frazione Avendita (PG)	
VRG03	Cascina	
VRG01	Cascina	
VRG02	Cascina	
T0201	Case Giovannangeli - (Balsorano -AQ)	
CSMI	Casera Mimoias	
CSZ	Casera Razzo	
SF04	Casetta	
TCSL	Casola in Lunigiana	
CSI	Cassano Ionio	
CSSN	Cassano Irpino	
MZ097	Cassino	
CSO	Casso	
CDT	Castel del Monte	
CAFR	Castel Frentano	
CTL8	Castelleone	
CSNT	Castellina Chianti	
T0823	Castello D'Argile (BO)	
RE08	Castello di San Valentino (Castellarano) - RE	
OT13	Castello Vieste (FG) Italy	
T1242	Castelluccio di Norcia (PG)	
ME07	Castell'Umberto	
T0911	Castelpoggio (MS)	
T1222	Castel Sant'Angelo (RI)	
T1245	Castelsantangelo Sul Nera (MC)	
BCSR	Castelsaraceno	
CTI	Castel Tesino	
AT04	Castiglione Aldobrando (Gubbio) - PG	
CASP	Castiglione della Pescaia	
RM15	Castiglione (Tornimparte)	
CAFI	Castiglion Fiorentino	
CUC	Castrocucco	
T0822	Casumaru (Bondeno - FE)	
CRM1	Catelraimondo	
AT07	Catigliano (Citt di Castello) - PG	
MTOM	Cavaso del Tomba, Italy	
LCAV	Cave	
PRED	Cave del Predil	
CAVE	Cavezzo	
CGL1	Ceglie Messapica	
CEL	Celeste	
CELI	Celico	
CNRT	Cenerente	
CCAP	Centro Acquisizione Posillipo, Napoli (NA), Italy	
CAPA	Cerignola FG	
RM30	Cerqua	
CERT	Cerreto	
CRSP	Cerreto di Spoleto	
RM10	Cesaproba (Montereale)	
CESX	Cesi	
CESI	CESI - Serravalle di Chienti	
CSP1	Cessapalombo	
CET2	Cetraro	
CIRO	Champorcher	
CHCE	Chiaravalle Centrale	
CHV	Chiavari	
CAS08	Chiesa Nuova, Poggio Renatico (FE)	
T0820	Chiesuol del Fosso FE	
AR03	Chiusi della Verna (AR)	
CEKR	Cima Ekar Asiago	
CGRP	Cima Grappa	
SALI3	CIMA - Sant'Angelo dei Lombardi	
CIMO	Cimolais	
CING	Cingoli	
CCPC	Citt di Castello	
CDCT	Citta di Castello Trestina	
ME10	Cittanova	
CDCA	Citt` di Castello	
CDRU	Civita di Ruta - Ottati	
CIMA	Civitanova Marche	
T1218	Civita (PG)	
TO09	Civitella Cesi - VT	
CV01	Civitella del Tronto, Fortezza	
CV02	Civitella del Tronto, Torrione Porta Napoli	
CV05	Civitella del Tronto, via Parnaso	
CV04	Civitella del Tronto, via Roma	
CV03	Civitella del Tronto, via Salinello	
CLA1	Claut1	
CLAB	ClautB	
CLUD	Cludinico	
CO22	Cocozzello	
CODM	Codolo	
MZ03	Collalto	
ED06	Collalto TV	
AMEN	Colle Ameno	
RM24	Colle Belvedere (Rocca di Mezzo)	
RM07	Collebrencioni	
MZ63	Collecreta	
MZ20	Collemoresco	
RM11	Collenoveri	
MZ61	Collepagliuca	
T0110	Collepietro	
MZ096	Colle Posta	
RM02	Colle Roio	
SMB1	Colle San Martino	
MZ095	Colle Spada	
COL3	Colliano	
CLLN	Colliano	
RM05	Colli (Barete)	
CLR	Collurania	
COLI	Coloredo	
VARN	Col Varnada, Mel (BL)	
NAPI	Complesso Universitario Monte Sant'Angelo	
CNCS	Concesio	
CNDF	Condofuri	
LCNT	Contigliano	
T0109	Coppito (AQ)	
CRN	Corinaldo	
COR1	Corinaldo	
AD04	Corinaldo (AN)	
COPE	Corleto Perticara	
TN05	Corleto Perticara (PZ)	
MZ13	Cornillo Vecchio	
MZ51	Cornillo Vecchio	
MCOR	Cornuda	
CRND	Cornuda	
CODE	Correggio	
ZAVE	Correggio Bag	
FANE	Correggio Fan	
MAN1	Correggio Man	
T0815	Correggio (RE)	
SILE	Correggio--Silva	
GERV	Cosenza	
CSC2	Cosenza castello	
MZ04	Cossito	
MZ52	Cossito	
DCOS	Costabrunella	
A284A	Costa De Nobili, Padulino	
OT07	Costarelle (FG) Italy	
CRAC	Craco	
CRTO	Cratere Ovest, Vesuvio (NA), Italy	
T1246	Crognaleto (TE)	
CUP2	Cupone	
CUSI	Cussignacco Udine	
CUTR	Cutro	
DANT	Danta di Cadore ARPAV	
GRDT	Desenzano Tresine	
DPS	Deserto Penisola Sorrentina	
DP1	Deserto P. S.	DPS
DSB1	Difesa San Luca	
ME05	Diga del Menta	
DMD	Domodossola	
T1201	Domo (RI)	
A318A	Donoratico (LI)	
T0803	Dosso, Cento (FE)	
DOSS	Dosso del Sommo	
DDS	Dosso del Sommo	
DRE	Drenchia	
DUI	Duronia	
EL6	Elcito	
ENR	Entracque	
EQUI	Equi	
ERBM	Eremo	
ERT	Erto-Casso	
SNTG	Esanatoglia	
EMCN	Etna Monte Conca	
EMFS	Etna Monte Frumento Supino	

Code	Station Name	Other
FAE	Faenza	
FAEN	Faenza	
FAZ	Faenza	
FAGN	Fagnano	
FAI02	FAICCHIO	
MZ23	Faizzone	
FALC	Falconara Albanese	
MFNN	Fano	
RM18	Fano Adriatico	
MFAN	Fanzolo, Italy	
BFRD	Fardella	
A280A	Farigliano, Viaiano	
MPRO	Farra di Soligo, Italy	
FASA	Fasano	
FENE	Fenestrelle	
FERB	Ferrara borehole (Italy)	
FERS	Ferrara-Casaglia	
FECT	Ferrara Citta	
FIAM	Fiamignano	
FIE	Fiesole	
RM08	Filetto	
CERA	Filignano	
FIN	Finale Ligure	
FINB	Finale Ligure	
FDMO	Fiordimonte	
FIR	Firenze	
FRZN	Firenze Novoli	
FIU1	Fiuminata	
FMNT	Fiuminata	
TFIV	Fivizzano	
FIVI	Fivizzano	
FG1	Foggia	FOG
FOG	Foggia	
FGG	Foggia	FOG
FOL	Foligno	
UFLG	Foligno	
FOPC	Foligno Prot Civ	
FFNT	Fontanafredda	
FNVD	Fontana Vidola	
FCOR	Fonte Corniale	
MZ100	Fonte del Campo	
UFCT	Forcatura	
FAU	Forcella Aurine	
FOR28	FORIO	
FVI	Forni Avoltri	
FOA	Forni Avoltri	
FDS	Forni di Sopra	
DFBU	Forte Buso	
FSI	Fosdinovo	
FOSD	Fosdinovo	
FS1	Fosdinovo	FSI
FOSV	Fossato di Vico	
FSSB	Fossombrone	
UC01	Francavilla Angitola	
AT08	Fraticciola Selvatica (Perugia) - PG	
FRE8	Fregona	
FRES	Fresagrandinaria	
FRON	Frontone	
FROS	Frosini	
FSC	Fuscaldo	
FUSE	Fusea	
GAGG	Gaggia	
GALF	Gagliano Castelferrato	
GAG1	Gagliole	
FERC	Galatro	
GMB	Gambarie	
GATE	Gambatesa	
GARGN	Gargnano BS	
A287A	Gattinara, La Torre	
GAVE	Gavelli	
MIR04	Gavello, Mirandola (MO)	
GAZZ	Gazzo Veronese (Italy)	
GEA	GELA	
GMNA	Gemona	
GEPF	Gemona	
GMAR	Gemona, Istituto Magrini Marchetti	
GNV	Genova	
GEN	Genova	
GENL	Genova University	
GRFL	Gerfalco	
GNU	Giano nell'Umbria	
BURY	Giardini Botanici Hanbury, Ventimiglia (IM), Italy	
ME15	Gioiosa Marea	
GRI	Girifalco	
GIUL	Giuliano Di Roma	
T0825	Gonzaga (MN)	
TT08	Gorgoglione (MT)	
FGRZ	Gorizia	
GORR	Gorreto	
GRAM	Graiana	
GIGS	Gran Sasso	
SGG	Gregorio Matese	
MZ098	Grisciano 1	
MZ106	Grisciano 2	
GRIS	Grisolia	
MOSI	Grossmontoni	
GBOS	Grotte di Bossea	
AG51	Grumento Nova (PZ)	
GUMA	Gualdo di Macerata	
GUAR	Guarcino	
GUA25	GUARDIA DEI LOMBARDI	
GDFR	Guardialfiera	
GLNS	Guglionesi	
T1411	Guglionesi (CB)	
GSCL	Gusciola	
MZ101	Illica	
IMOL	Imola, Italy	
IMI	Imperia	
INTR	Introdacqua	
FINV	Invillino	
ICAI	Ischia Castello Aragonese, Ischia (NA), Italy	
IMTC	Ischia Forio Monte Corvo (NA) Italy	
IFOR	Ischia Forio Punta Imperatore (NA) Italy	
IOCA	Ischia Osservatorio Casamicciola	
OT14	Ischitella (FG) Italy	
ISNH	Isernia Ospedale	
GROG	Isola di Gorgona	
GORG	Isola Di Gorgona	
ISPIC	ISPICA	
JESI	Jesi	
IESO	Jesolo	
JOPP	Joppolo	
KOSI	Kohlern	
LSD	Lago del Serru	
LC22	Laino Castello	
T0721	Laino Castello	
LPEL	Lama dei Peligni	
LPD	Lampedusa	
LAV9	Lanuvio	
AQU	L'Aquila	
T0103	L'Aquila	
LRNO	Larino	
LAR25	LARINO CB	
LATE	Laterza	
LTRZ	Laterza	
THUI	La Thuile	
LATB	Latina	
LATT	Lattarico	
LCCE	Lecce	
LCI	Lecce	
LEC	Lecco	
LIV	Leghorn	
LNSS	Leonessa	
LEVAN	Levanzo	
SLNS	Linosa	
LINA	Linosa Island	
LIO3	Lioni	
LPI	Lipari	
LVNO	Livorno Protezione Civile	
PR02	Localit Poggio-Vacaldola (Sant'Agata Feltria – RN)	
T0502	Localit San Martino (Sarsina - FC)	
T0821	Loc. Casaglia - Ferrara (FE)	
T0814	Loc. Cortile, Carpi (MO)	
T0818	Loc. Fossa, Concordia sulla Secchia (MO)	
T0828	Loc. Fossoli, Carpi (MO)	
T0824	Loc. Limidi di Soliera, Soliera (MO)	
T0503	Loc. Pratieghi (Badia Tedalda - AR)	
T0812	Loc. Stoppiaro, Poggio Rusco (MN)	
T0817	Loc. Veratica, Salara (RO)	
A308A	Longastrino (FE)	
TLUC	Lucca	
OT11	Lucera (FG) Italy	
RM01	Lucoli (AQ)	
AT02	Lugnano (Citt di Castello) - PG	
LGS3	Luogosano	
LSR	Lussari	
A285A	Lusurasco	
LMD	Lutirano	
MVF	Macchia Valfortore	
MCGN	Macugnaga	
T0104	Madonna delle Grazie (Coppito)	
OT05	Madonna di Cristo (FG) Italy	
MAGA	Magasa	
MSSA	Maissana	
AMAL	Malcesine	
DBIS	Malga Bissina	
MABI	Malga Bissina	
DBOA	Malga Boazzo	
MGRD	Malga Garda, Italy	
DGIU	Malga Giumela	
MLNI	Malnisio	
OT12	Manfredonia (FG) Italy	
MANE	Mangone	
MNTV	Mantova	
MTVA	Mantova	
MARN	Marana (Italy)	
BMAT	Maratea	
AMRC	Marco	
MMAR	Mareno di Piave, Italy	
MB07	Marignano (AQ), Italy	
MARIO	Marineo	
MA9	Marino	
PP3	Marolino	
MARS	Marsala (TP) Italy	
MRN3	Marsico Nuovo (PZ)	
MARE	Marsico Vetere	
A309A	Martorano (FC)	
SMET	Mascalucia	
T0800	Massa Finalese, Finale Emilia (MO)	
T0813	Massa Finalese, Finale Emilia (MO)	
MASS	Massafra	
MASSA	Massa (MS), Italy	
MAIM	Mastiano	
MTL1	Matelica	
MATE	Matera	
MIR01	Medolla (MO)	
MELA	Melanico ??? S. Croce di Magliano	
AD01	Meldola (FC)	
MRNO	Merano	
MERA	Merate	
MESG	Mesagne	
MPC	METEO PORTO CESAREO	
RM22	Micigliano	
MIGL	Miglionico	
MIL	Milan	
MILN	Milano	
MLE	Mileto	
FIU	Minerbio Fiu	
PASE	Minerbio--Passere	
TORE	Minerbio--Torre	
MRVN	Minervino Murge	
T0912	Minucciano (LU)	
MIR27	MIRABELLA ECLANO	
MIDA	Miranda	
SGIA	Mirandola	
MIRAN	Mirandola MO	
MIR02	Mirandola (MO)	
MIR03	Mirandola (MO)	
ME01	Mistretta	
MC32	Moccone	
MODE	Modena	
T0827	Moglia (MN)	
MOLE	Moliterno	
DMOL	Mollaro	
AD03	Mombaroccio (PU)	
MMP1	Mompeo	
MNC	Moncalieri	
MONC	Moncucco Torinese	
AD02	Mondaino (RN)	
MODR	Mondragone	
MONE	Monesi	
AT03	Montalto (Apecchio) - PU	
MN3	Montappone	
MNTP	Montappone	
MNS	Montasola	
MA1	Montasola	MNS
MAB1	Monte Acero	
MAON	Monte Argentario	
MAO	Monte Argentario	
BALD	Monte Baldo	
MBAL	Monte Baldo - Osservatorio Astronomico Novezzina	
MMBI	Montebello Ionico	
MBEL	Montebelluna (TV)	
MBFT	Monte Bonifato	
MCIF	Montecalvo in Foglia	
MCI	Monte Cassino	
MTCL	Monte Cavallo	
ATMC	Monte Cedrone	
MTCE	Montecelio	
MCLF	Montecilfone	
MME	Monte Cimone	
MCIV	Monte Civitella	
AT11	Monte Civitello	
CZI	Monte Cocuzzo	
MC2	Monte Cornaccione	
A316A	Montecristo (LI)	
N002	Montecucco	
MOCL	Monte Cuccoli	
MDAR	Monte D'Aria	
MPCD	Monte di Procida	
MTPR	Monte di Procida	
CMDO	Montedoro	
MF5	Montefalcone Appennino	
FEMA	Monte Fema	
ATFO	Monte Foce - Gubbio	
MTFT	Montefortino	
MGAB	Montegabbione	
MGIO	Monte Giove	
MGRO	Montegrosso	
MTCR	Monte La Croce	
SSFR	Montelago di Sassoferrato	
MML1	Montelago di Sefro	
CC03	Monteleto	
MNT3	Montella	
MTLO	Montello	
TV6	Monte Luro di Tavullia	
GRDM	Monte Maddalena	
MOMA	Monte Martano	
MSC	Monte Massico	
ATMI	Monte Miggiano Umbertide	
MMO1	Montemonaco	
MMUR	Monte Murano	
MPPT	Montemurlo	
MPAG	Monte Paganuccio	
PZZT	Monte Pizzetto	
MPRI	Monte Prat	
MB12	Montereale (AQ), Italy	
MN09	Montereale campo di calcio	
MN06	Montereale, ex municipio	
MN08	Montereale ex prefettura	
MN04	Montereale isola ecologica	
MN02	Montereale Pi¨ di Colle	
MN03	Montereale Pi¨ di Colle2	
MTRZ	Monterenzio	
MRB1	Monte Rocchetta	
SEST	Monte Rota	
MSAG	Monte S. Angelo	
MTSN	Montesano sulla Marcellana	
SMTM	Monte Santa Maria Tiberina	
FGMS	Monte Sant'Angelo	
MS1	Monte Sant'Angelo (FG)	
MSB1	Montesarchio	
SIRI	Monte Sirino - Moliterno	
MSTE	Monte Stella (Cilento), (SA)	
MURB	Monte Urbino	
VULT	Monte Vulture - Melfi	
PC05	Monticchio (on alluvial deposits)	
MLBT	Monticelli Brusati	
MCEL	Monticello	
MDI	Monti di Nese	
MVMN	Montorio al Vomano	
MNTT	Montottone	
T0401	Montottone (Fermo)	
MOR21	MORCONE	
MRSC	Moresco	
MRGE	Morge	
MGR	Morigerati	
MMN	Mormanno	
MMN9	Mormanno Campotenese	
T1211	Morro Reatino (RI)	
RM25	Mosicchio (Amatrice)	
MTTG	Motta San Giovanni	
SABO	M.te Sabotino	
FG3	Mte Sant'Angelo	
RCL	Mte Valcellina	
RE1	Mte Valcellina	RCL
MRVI	Mt Valcellina	RCL
T1219	Muccia, Frazione Massaprofoglio (MC)	
DMUR	Murandin	
MRLC	Muro Lucano	
SCL3	Muro Lucano (Serra Campolungo)	
VDS3	Muro Lucano (Varco Staccarino)	
NPL	Naples	
NARN	Narni	
NEVI	Neviano degli Arduini	
ENIC	Nicolosi	
NOCI	Noci	
NL9	Nola	
NRCA	Norcia	
UNRC	Norcia	
NCIA	Norcia	
T1213	Norcia, Frazione Savelli (PG)	
MZ11	north of Sant'Angelo	
NOVE	Novellara	
NDIM	Novi di Modena	
ROCE	Novi Di Modena	
NSC3	Nusco	
CAS01	Occhiobello (RO)	
AKR	Ocre	
OFFI	Offida	
UOLM	Olmeto	
OPI	Opi	
OPPE	Oppeano	
OPPI	Oppido Mamertina	
OR1	Oriolo Calabro	ORI
ORI	Oriolo Calabro	
ORX	Oropa	
ORO	Oropa	
FG5	Orsara di Puglia	
ORP	Orsara di Puglia	
OII	Orti	
ORZI	Orzinuovi	
OSKI	Oschiri	
MOSM	Osimo	
AD06	Osimo (AN)	
OSSC	Osservatorio Polifunzionale del Chianti	
MIR07	Ostiglia (MN)	
OTV	Ottaviano, Vesuvio (NA), Italy	
OVAR	Ovaro	
PAD	Padua	
MI02	Paganica	
MB02	Pago Rovagnano (AQ), Italy	
PLTA	Palata	
T0811	Palata Pepoli (BO)	
PALZ	Palazzo San Gervasio	
PLMA	Palmaria, Porto Venere	
ME03	Palmi	
PLZA	Paluzza	
PANI	Panarotta	
PAN03	PANNARANO	
PANTE	Pantelleria	
PAOL	Paolisi	
PARC	Parchiule	
TRES	Parco Tresine BS	
PRMA	PARMA	
MZ19	Pasciano cemetery	
SATI	Passo dei Salati	
RM26	Passo delle Capannelle	
GAVI	Passo Gaver BS	
MB09	Paterno (AQ), Italy	
PTCC	Patocco-Chiusaforte	
PLRO	Paularo	
EUCT	Pavia	
PAV	Pavia	
PE3	Peglio	
RM33	Pellescritta (Montereale)	
ME09	Pentidattilo	
PRGL	Pergola	
PEG	Perugia	PRG
UPRP	Perugia	
PRG	Perugia	
PRO	Pesaro	
PS1	Pesaro	PRO
PESA	Pesaro	
T0204	Pescasseroli (AQ)	
MI01	Pescomaggiore	
PSB1	Pescosannita	
IPES	Pescosannita	
PS009	PESCO SANNITA	
MZ22	Petrana	
BBB4	Pezza	
PE1	Pezze di Greco (BR)	
PCN	Piacenza	
PCP	Piancastagn	
RM09	Piano di Cascina (Cagnano Amiterno)	
DPAL	Pian Palu'	
A001	Piccione	
MB06	Piedicolle (AQ), Italy	
PIEI	Pieia	
PCRO	Pietralacroce	
PIET	Pietralunga	
CCN3	Pietralunga	
ATPI	Pietralunga - Aviosuperficie	
PIPA	Pietrapaola	
PTRP	Pietrapertosa	
PTQR	Pietraquaria	
PTRJ	Pietraroja	
D002	Pieve de Saddi	
PDC	Pieve di Cadore	
MIR06	Pieve di Coriano (MN)	
PF6	Pievefavera	
PIGN	Pignataro Maggiore	
PGN3	Pignola, Italy	
PNI	Pinerolo	
PIBC	Piobbico	
PIO1	Pioraco	
PIS	Pisa	
PII	Pisa	
N001	Pisciano	
PSL	Pistoia	
PSTA	Pistoia Genio Civile	
RE07	Pizzano Val di Parma - PR	
T1247	Pizzolo (AQ)	
PLAC	Placanica	
SF11	Podere del Sole	
RM32	Poggio Cancelli	
ATPC	Poggio Castellaccio	
T0108	Poggio di Roio	
T1217	Poggiodomo (PG)	
SF01	Poggio Pratacci	
T0101	Poggio Santa Maria	
AT06	Poggio Sant'Ercolano (Gualdo Tadino) PG	
PGD	Poggio Sodo	
MZ21	Poggio Vitellino	
POLC	Polcenigo	
POI	Polino	
PO9	Polino	POI
CPMP	Pompei	
PMP	Pompeii	
POBI	Pontebba	
PNAL	Ponte nelle Valli ARPAV	
POPM	Popiglio	
PTC	Porto Cannone	
PDI	Porto d'Ischia	
PPL1	Portopalo di Capopassero	
A305A	Porto Tolle (RO)	

Code	*Station Name*	*Other*
POFI	Posta Fibreno	
PST3	Postiglione	
PZUN	Potenza	
PZF	Pozza Ferrara, Ferrara di Monte Baldo (VR)	
PLI2	Pozzilli	
EPOZ	Pozzillo	
MZ50	Pozzo Varoni	
IPOZ	Pozzuoli	
CMRS	Pozzuoli	
POZT	Pozzuoli Rione Terra	
POZS	Pozzuoli Solfatara	
MPRD	Prada, Italy	
PTF	Prato	
TPRT	Prato	
VIVA	Pratoni del Vivaro - Roma	
RE06	Pratopiano (Palanzano) - PR	
PRT	Prato-Toscana	
T1216	Preci, Frazione Castelvecchio (PG)	
FPRM	Premariacco	
AT01	Promano (Citt di Castello) - PG	
BLANC	P.ta Helbronner (AO), Italy	
MIR08	Quarantoli, Mirandola (MO)	
QRI	Quarto	
QCI	Quattro Castella	
QLNO	Quiliano	
GRDQ	Quinzano	
QUINZ	Quinzano d'Oglio BS	
AT05	Racchiusole (Umbertide) PG	
RBL	Raibl	
B001	Rancolfo	
ARAS	Rassina, Castel Focognano (AR)	
RAVA	Ravarino	
RVST	Ravascletto	
MREF	Refrontolo, Italy	
RCI	Reggio Calabria	
CRCA	Reggio Calabria	
MRCB	Reggio Calabria	
RCU	Reggio Calabria Universita	
RISI	Rein	
RSP	Reno Superiore	
ATRE	Renzetti	
RESU	Resuttano	
MZ25	Retrosi-1	
MZ26	Retrosi-2	
RIBO	Ribolla Roccastrada	
T0205	Ridotti (Balsorano, AQ)	
RIEM	Rieti Museo	
RIEP	Rieti Provincia	
OT06	Rignano Garganico (FG) Italy	
RGNG	Rignano Grg	
RNI2	Rionero Sannitico	
T0826	Rio Saliceto (MN)	
URVD	Rivodutri	
ROB	Robourent	
RM04	Rocca di Mezzo	
RDP	Rocca di Papa	
T1241	Roccafluvione, Frazione Osoli (AP)	
RFI	Roccamonfina	
RRL	Rocca Remolon	
RMI2	Roccaromana	
RORO	Rocca Rossa	
RSF3	Rocca San Felice	
T1243	Rocca Santa Maria, Frazione Ceppo (TE)	
RONM	Roccetta Nervino	
MZ24	Rocchetta	
RSA3	Rocchetta Sant'Antonio	
ROTM	Rocchetta Tanaro	
RVI2	Rocchetta Volt	
ROG2	Rogliano	
T0106	Roio Piano	
ROM9	Roma	
RMVT	Roma DPC Vitorchiano	
RMMM	Roma Monte Mario	
ROM	Rome	
RMP	Rome, Mte Porzio	
RNCA	Ronca, Sant'Olcese (GE)	
N004	Ronchi	
RONC	Roncone	
RNI	Roncone	
ROI	Rossano	
ROSI	Rosskopf	
T0716	Rotonda - Contrada Piano Incoronata (PZ)	
T0711	Rotonda (PZ)	
RM13	Rovere (Rocca di Mezzo)	
ROVE	Rovereto Di Novi	
ROVR	Rover Veronese	
RUFI	Rufina	
RDM3	Ruvo Del Monte	
SBDA	Sabaudia	
CAS07	S.Agostino (FE)	
REMY	Saint-Rhmy-en-Bosses	
SLCN	Sala Consilina	
SLC1	Sala Consilina	
MZ01	Saletta	
SLNA	Salina	
SAL	Salo	
SLOB	Salo'	
SALO	Salr	
SOI	Samo	
T0816	San Bartolomeo in Bosco (FE)	
A282A	San Carlo Canavese	
SCA03	San Carlo, Sant'Agostino (FE)	
SCA06	San Carlo, Sant'Agostino (FE)	
SCA01	San Carlo, Sant'Agostino (FE)	
SCA02	San Carlo, Sant'Agostino (FE)	
SCA05	San Carlo, Sant'Agostino (FE)	
CAS05	San Carlo, Sant'Agostino (FE)	
SCA04	San Carlo, Sant'Agostino (FE)	
SACS	San Casciano dei Bagni	
DOI	San Damiano	
SDI	San Donato	
SANR	Sandrigo	
SFL3	San Fele	
T0802	SanFelice sul Panaro (MO)	
ME02	San Fratello	
SNAL	S. Angelo Dei Lombardi	
USGN	Sangemini	
MI09	San Giacomo	
MZ105	San Giovanni	
LIK	San Giovanni Incarico	
SGF2	San Giovanni in Paganica (AQ), Italy	
SGFR	San Giovanni in Paganica (AQ), Italy	
SGF3	San Giovanni in Paganica (AQ), Italy	
SGF1	San Giovanni in Paganica (AQ), Italy	
SGF6	San Giovanni in Paganica (AQ), Italy	
SGF5	San Giovanni in Paganica (AQ), Italy	
SGRT	San Giovanni Rotondo	
MSSG	San Giuliano del Sannio	
SGSC	San Giuliano Nuova Scuola Iovine	
SGPA	San Giuliano Parco Memoria	
TSGT	San Giustino Valdarno	
PCNV	San Giusto Canavese	
MZ27	San Lorenzo a Pinaco	
SALB	San Lorenzo Bellizzi	
MZ06	San Lorenzo Flaviano	
SAVE	San Marco di Savelli	
OT03	San Marco in Lamis (FG) Italy	
SMA1	SAN MARTINO	
RM03	San Martino d'Ocre	
T1413	San Martino in Pensilis (CB)	
SMIN	San Mina'	
LADO	San Nicola dell'Alto	
T0107	San Pelino (Cagnano Amiterno)	
SPVL	San Pietro Avellana	
CORR	San Possidonio	
T1011	San Potito Sannitico (CE)	
SSP9	Sansepolcro	
SNS1	Sansepolcro	
SSM1	San Severino Marche	
SSB3	San Sossio Baronia	
SCAI	Santa Caterina dello Ionio	
SCTE	Santa Cesarea Terme	
AT09	Santa Cristina (Gubbio) - PG	
CROCE	Santa Croce Camerino	
T0712	Santa Domenica Talao (CS)	
SGTA	Sant Agata di Puglia	
DSGI	Santa Giustina	
A319A	Santa Luce (PI)	
TO05	Santa Marinella - RM	
MSTD	Santandra', Italy	
MZ07	Sant'Angelo	
SGC08	SANT' ANGELO A CUPOLO	
SAP2	Sant'Angelo in Pontano	
SAIV	Sant'Angelo In Vado	
STV	Sant Anna di Valdieri	
STV2	Sant' Anna di Valdieri 2	
SRN3	Sant'Arsenio	
SFI	Santa Sofia	
CIGN	Sant'Elia a Pianisi	
MZ05	San Tomasso	
T0102	San Vittorino	
ZEN8	San Zeno di Montagna	
VRZA	San Zeno Di Montagna	
SARZ	Sarezzano	
SRNA	Sarnano	
SASS	Sassa	
SSCV	Sassocorvaro	
SSO	Sasso d'Italia	
SARO	Sassorosso	
STN3	Satriano di Lucania, Italy	
TSUT	Saturnia	
SBPO	S.Benedetto Po	
MZ17	Scai (Agriturismo Narcisi)	
MZ18	Scai alta	
SEI	Scarperia	
ATSC	Scheggia e Pascelupo	
SCHR	S. Chirico Raparo	
SCIAC	Sciacca	
SCIAR	Sciara	
MSCL	Scilla	
SICLA	Scilla	
RM06	Scoppito	
SACR	S. Croce Del Sannio	
SC2M	Scurtabo	
NEGI	Seborga	
RE04	Sedrio (Vezzano sul Crostolo) - RE	
SEF1	Sefro	
RM21	Selvarotonda (Cittareale)	
SF14	Selvena	
SNR3	Senerchia	
SENI	Senigallia	
SERM	Sermide	
FG2	Serracapriola	
ATBU	Serra di Burano	
MSSB	Serra Sant'Abbondio	
T0914	Serretta (MS)	
SERS	Sersale	
SSNM	Sessano del Molise	
STDG	Sesta Godano	
CAS03	Settepolesini, Bondeno (FE)	
SG1	Sgolgore (BA)	
FSGC	Sgonico	
SGO	Sicignano	
SIE	Siena	
A004	Sigillo	
T0915	Sillano (LU)	
MSIR	Sirolo	
AD05	S.Marcello (AN)	
SAMA	S.Maria delle Mole (Ciampino, Roma)	
MZ09	Sommati	
SMP	Somplago	
SRES	S.Oreste - Soratte	
SPS2	Spezzano della Sila	
CELB	S.Piero in Campo Elba	
SPINE	Spinea	
T0501	Spinello di Santa Sofia (FC)	
SPIE	Spinoso	
STAL	STALIGIAL	
SAE	Statte	
OT04	Stignano (FG) Italy	
GIN	Stromboli-G	
PZZ	Stroppo	
TUE	Stuetta	
SULA	Sulmona Autoparco	
SULC	Sulmona Consorzio	
SULP	Sulmona Polizia	
TLI	Talmassons	
TAR1	Taranto	
TAR	Taranto	
TTI	Taranto	
TART	Taranto	
TA1	Taranto	TTI
TO06	Tarquinia - VT	
TO07	Tarquinia - VT	
TAV1	Tavarnelle	
TEGI	Teggiano - Istituto P. Leto	
TR01	Tempa Rossa 01	
TR02	Tempa Rossa 02	
TR03	Tempa Rossa 03	
TR04	Tempa Rossa 04	
TR05	Tempa Rossa 05	
TR06	Tempa Rossa 06	
TR07	Tempa Rossa 07	
TR08	Tempa Rossa 08	
TR09	Tempa Rossa 09	
TR10	Tempa Rossa 10	
TR11	Tempa Rossa 11	
TR12	Tempa Rossa 12	
T0913	Tendola (MS)	
TEOL	Teolo	
TERO	Teramo	
RE05	Terme di Santa Lucia (Busana) - RE	
ISOR	Termini	
TRN1	Terni	
MZ099	Terracino	
RM16	Terranera (Rocca di Mezzo)	
TDS	Terranova Sibari	
TTER	Terranuova Bracciolini	
TIP	Timpagrande	
MZ104	Tino	
TITE	Tito	
LTTV	Tivoli	
TOLF	Tolfa	
TO04	Tolfa - RM	
TO01	Tolfa - RM	
TLM	Tolmezzo	
CSG3	Toppo Di Castelgrande (Osservatorio Astronomico)	
TOPPO	Toppo, Italy	
TNO	Torino	
AT10	Torre dell'Olmo (Gubbio) - PG	
MZ15	Torrita	
MZ16	Torrita	
TRTR	Tortoreto Alta	
MARCO	Tramutola	
TRAV	Traversella	
TREG	Tregnago	
TRE1	Treia	
T0724	Tremoli - CS	
TRE	Trente	
TRTO	Trento	
LUSI	Trento, Gardasee/Lago di Garda	
TREV	Trevi	
TRV	Treviso	
BTRC	Tricarico	
A283B	Tricerro	
A283A	Tricerro	
TRI	Trieste	
DST2	Trieste	
TTE	Trieste	
TRS	Trieste (CM)	
TRIF	Trifonti	
TRIP	Tripoli	
TRIV	Trivento	
TU1	Tuscania	
UDN	Udine	UDI
UDI	Udine OGS	
UMBT	Umbertide	
BENI	Universita' Del Sannio	
URBN	Urbania	
URBI	Urbino	
UR1H	Urbino	
VAI24	Vairano Patenora	
VAJ	Vajont	
VALM	Valbona	
AA02	Valdichiascio	
VLFB	Valfabbrica	
VAGA	Valle Agricola	
SF03	Valle Cupa	
T0105	Valle d'Ocre (Ocre)	
VALS	Valles ARPAV	
T1215	Vallo di Nera, Frazione Meggiano (PG)	
DNOA	Val Noana	
VARA	Varagna	
VAI	Varese	
VARE	Varese	
VEA	Veano	
RE03	Vedriano (Canossa) - RE	
VNF1	Venafro	
VENL	Venezia Lido	
VEN	Venice	
VENT	Ventotene	
VRB	Verbania	
A288A	Verbania, Casa dell Alpino - Cicogna	
VRCL	Vercelli	
PR01	Verghereto (FC)	
VVMR	Verona	
VRNA	Verona	
RM29	Verrico (Montereale)	
OV1	Vesuviano	OVO
OVO	Vesuviano	
VARP	Vesuvio Array Permanente	
VBKE	Vesuvio Bunker Est, Vesuvio (NA), Italy	
VBKN	Vesuvio Bunker Nord	
VCRE	Vesuvio Cratere Est	
VCNE	Vesuvio Cratere Nord Est (NA) Italy	
VEPO	Vesuvio Istituto Enea Portici (NA) Italy	
VPOB	Vesuvio Pollena, Pollena Trocchia (NA), Italy	
VPPV	Vesuvio Pompei Porta Vesuvio, Pompei (NA), Italy	
VOVO	Vesuvio Pozzo Sede storica Osservatorio Vesuviano (NA) Italy	
VSSB	Vesuvio San Sebastiano, San Sebastiano al Vesuvio (NA), Italy	
VTRZ	Vesuvio Terzigno, Terzigno (NA), Italy	
VTIR	Vesuvio Tirone	
VTDG	Vesuvio, Torre del Greco (NA), Italy	
VVDG	Vesuvio Valle Del Gigante	
VBL2	Vibo Valentia	
VMG	Vicchio	
VCNZ	Vicenza	
RM23	Viesci	
VDP3	Vietri Di Potenza	
CAS06	Vigarano Mainarda (FE)	
CAS02	Vigarano Mainarda (FE)	
CAS04	Vigarano Pieve (FE) fraz. Diamantina	
T0701	Viggianello (PZ)	
VIGE	Viggiano	
BVIG	Viggiano	
VGG3	Viggiano (Prot.Civ.Gr.Lucano)	
AG11	Viggiano (PZ)	
VCEL	Villa Celiera	
VLC	Villacollemandina	
VVI	Villa di Villa	
VINO	Villanova	
MIR05	Villa Poma (MN)	
A286A	Villa Reale - Cassolnovo	
VVLD	Villa Vallelonga	
VINC	Vinca	
VNCH	Vinchiaturo	
VISG	Visignano	
T0202	Vitale (Isola del Liri - FR)	
VTB1	Vitulano	
VITU	Vitulano (BN)	
VOBA	Vobarno	
MZ62	Voceto	
VG1	Voghera	
A313A	Volta Mantovana (MN)	
ZIAN	Ziano	
ZCCA	Zocca	
ZONE	Zone	
ZOU	Zoufplan	
ZOVE	Zovencedo	
Sardinia		
CCI	Cagliari Citta	
CGL	Cagliari Serpeddi	
CA2	Cagliari Serpeddi	CGL
CRL	Carloforte	
CUG	Cuglieri	
DGI	Dorgali Grotta	
OLB	Olbia	
VSL	Villasalto	
Sicily		
EACI	Aci Sant'Antonio	
CAGR	Agira	
IACL	Alicudi	
ACL	Alicudi	
MALI	All	
ATN	Antennamare	
AIO	Antillo	
AQ6*	Aqua Casa	
HAGA	Augusta	
AGST	Augusta-Monte Tauro	
HAVL	Avola	
EBCN	Bocca Nuova	
HBSP	Bosco Santo Pietro	
CLTB	Caltabellotta	
CM6*	Campone	
MCPD	Capo d'Orlando	
CV6*	Capo Vaticano	
HCRL	Carlentini	
ECBD	Case Bada	
ECPN	Case del Piano	
ECVS	Case del Vescovo	
ECZM	Case Zampini	
MSRU	Castanea	
CSLB	Castelbuono	
ECML	Castelmola	
CAVT	Castelvetrano	
CVT	Castelvetrano	
ECTS	Castiglione	
MCSR	Castroreale	
CAT	Catania	
CATZ	Catanzaro	
ECNV	Catenanuova	
EZPO	C.da Z Pietro	
ECIS	Cisternazza	
ECDV	Codavolpe	
EPOL	Con Chiusa Politi	
ECCS	Contrada Cassone	
CORL	Corleone	
CRJA	Costa Raja	
ECNE	Crateri Nord Est	
ER1	Erice	ERC
ERC	Erice	
EBEL	Etna Belvedere	
FAVR	Favara	
FA1	Favara	FAI
FAI	Favara	
IFIL	Filicudi I Eolie	
EFIU	Fiumefreddo	
VL6*	Forgia Vecchia	
GZI	Ganzirri	
GIB	Gibilmanna	
EGFM	Gr delle femmine	
IMT	Isola di Marettimo	
LVI	Isola Levanzo	
LV9	Isola Levanzo	LVI
LPDG	Lampedusa Capo Grecale	
HLNI	Lentini	

Code	*Station Name*	*Other*
CLTA	Licata	
LLI	Lipari	
ILMG	Lip M Gallina IE	
ILIQ	Lip Q Pani IE	
EMLP	Malpasso	
ECAN	Masseria Cannata	
MEI	Melilli	
MSI	Messina ING	
MES1	Messina Univ.	MES
MES	Messina University	
MILZ	Milazzo	
MNE	Mineo	
HMNO	Mineo	
HMDC	Modica	
MMME	Mongiuffi-Melia	
MTGR	Montagna Grande	
EMAR	Monte Arcimis	
EARC	Monte Arcimis	
ESAN	Monte dei Santi	
MFNL	Monte Finestrelle	
EMFO	Monte Fontane	
EMGR	Monte Grosso	
EMIL	Monte Intraleo	
MEU	Monte Lauro	
MMGO	Monte Magaggiaro	
EMNR	Monte Nero	
EN6*	Monte Nero	
EMPL	Monte Parmentelli	
MPG	Monte Pellegrino	
MR6*	Monte Rosa	
EMRV	Monte Ruvolo	
ESVO	Monte Scavo	
MNO	Monte Soro	
ESRO	Monte Soro	
EMSG	Monte Spagnolo	
EMVT	Monte Vetore	
MVT	Monte Vettore	
EMSA	Motta S. Anastasia	
MCT	Mte Cammarata	
ENCS	Nicolosi	
ENLS	Nicolosi	
NOV	Novara	
HPAC	Pachino	
HPAR	Pala Acreide	
PZI	Palazzolo	
PLR	Palermo	
MPAZ	Palizzi	
PLI	Panarea	
ME12	Panarea 2	
IPAN	Panarea IE	
PTS	Pantelleria	
PTMD	Pantelleria Cuddia di Mida	
EPIS	Pennisi	
PETRA	Petralia Soprana	
EPET	Petrulli	
EPAP	Piano d'Api	
PV6*	Piano Vulcano	
EPMN	Piedimonte	
CPTP	Pietraperzia	
EPDN	Pizzo Deneri	
EPZF	Pizzo Felice	
EPPA	Pizzo Paviglione	
PLLN	Pollina	
MPNC	Port Mandanici	
SL6*	Punta Lena	
EPLC	Punta Lucia	
RAFF	Raffo Rosso	
ERSA	Rifugio Sapienza	
ISLN	Salina IE	
MSFR	San Fratello	
SG6*	San Gibilmanna	
GIO	San Gregorio	
ECHR	Santa Chiara	
ESAL	Sant'Alfio	
EVRN	Santa Venerina	
SCLL	Scilla	
ESCV	Scorciavacca	
ESLN	Serra La Nave	
ESPC	Serra Pizzuta	
HSRS	Siracusa	
ESML	S. M. di Licodia	
SOLUN	Solunto	
SSY	Sortino	
STR3	STROMBOLI 3	
STR4	STROMBOLI 4	
STR5	Stromboli 5	
IST3	Stromboli F	
ISTR	Stromboli Ginostra	
ISTP	Stromboli Pizzo	
ISPL	Str Punta Lena IE	
ETAR	Tardaria	
ETFI	Torre del Filo	
MUCR	Ucria	
USI	Ustica	
VAE	Valguarnera	
EVNA	Vena	
HVIT	Vittoria	
HVZN	Vizzini	
VN6*	Vulcanello	
IVCR	Vulcano Cr IE	
IVUG	Vulcano Grillo IE	
IVGP	Vulcano Grotta dei Palizzi	
IVLT	Vulcano Lentia IE	
VPL	Vulcano Piano	
ZA1	Zafferana	

Trentino

BIE	Brione	
CAV	Cavalese	
CARE	Lago del Careser	
BALI	Monte Baldo	
OZOL	Ozolo	

Jan Mayen Island

JMIM	Jan Mayen temporary station	

Kosovo

GJIK	Gjilan	
GMRK	Grmije	
PEJK	Peje	
PRZK	Prizren	
SMRK	Smrekonice	
ZATK	Zatriq	

Languedoc-Rousillon

CLAF	Gruissan	
LAJAS	L'Hospitalet-du-Larzac	
VALC	Valcebollere	

Latvia

SLIT	Slitere, Latvia	

Limousin

ABJF	Abjat-sur-Bandiat	

Lithuania

IDID	Didziasalis	
IIGN	Ignalina	
INPP	Ignalina Nuclear	
PABE	Paberze	
PBUR	Paburge	
ISAL	Salakas	
VSVD	Vaisvydziai	
IZAR	Zarasai	

Lorraine

ETNF	Estrennes	
MANO	Manonville	
NEUF	Neufchef	
XAFF	Xaffevillers	

Luxembourg

ARSD	Arsdorf	
LILIE	Bech	
C20	C20	
C21	C21	
C22	C22	
C23	C23	
FDGR	Fonds-de-Gras	
LKLB	Kalborn	
KLAUS	Klaushaff	
LUX	Luxembourg	
PNBR	Petit-Nobressart	
SEPFT	Septfontaines	
LVIA	Vianden	
WLF	Walferdange	
WILW	Wilwerwiltz	
WMG	Wormeldange-Haut	

Malta

MLT	Malta	
WDD	Wied Dalam	

Mecklenburg-Vorpommern

LNIZ	Loecknitz	
ZARR	Zarrentin	

Midi-Pyrenees

CRAS	Crastes	
DUNF	Dun	
FLCF	Florentin-la-Capelle	
GENF	Genat	
SLVF	La Salvetat-Peyrales	
LATF	Latrape	

Moldova

KGL	Cahul	
GIUM	Giurgiulesti	
KIS	Kishinev	
LEOM	Leova	
MILM	Milestii Mici	
PURM	Purcari	
SORM	Soroca	

Monaco

MON	Monaco	

Montenegro

IVA	Berane	
BEY	Berane	IVA
BUM	Brajici-Budva	
BRY	Bratogost	
BDV	Budva	
CEME	Cevo	
DRME	Dracevica, Montenegro	
HCY	Herceg Novi	
KOME	Kolasin	
NKY	Niksic	
NKME	Niksic	
PVY	Plav	
PLE	Pljevlja	
PDG	Podgorica	TTG
TTG	Podgorica	
MMAA	Thessaloniki	
ULC	Ulcinj	
UPM	Unac-Piva	

Netherlands

CHA3	Chaam	
CHA4	Chaam	
CHA5	Chaam	
CHA1	Chaam	
CHA2	Chaam	
NE38	Dalfsen	
DBN	De Bilt	
ENM	Eenrum	
ENM4	Eenrum	
ENM3	Eenrum	
ENM2	Eenrum	
ENM1	Eenrum	
ENV	Elp	
ENV3	Elp / Enerveen	
ENV1	Elp / Enerveen	
ENV4	Elp / Enerveen	
ENV2	Elp / Enerveen	
ENN	Epen	
FSW	Finsterwolde	
FSW1	Finsterwolde 1	
FSW2	Finsterwolde 2	
FSW3	Finsterwolde 3	
FSW4	Finsterwolde 4	
FSW5	Finsterwolde 5	
FDG3	Firdgum	
FDG4	Firdgum	
FDG1	Firdgum	
FDG2	Firdgum	
NE42	Fort Lent	
HWF2	Haulerwijk	
HWF4	Haulerwijk	
HWF3	Haulerwijk	
HWF1	Haulerwijk	
HWF	Haulerwijk	
HEE	Heerlen	
HGN	Heimansgroeve	
HKB	Herkenbosch	
NE32	Kootwijk	
NE31	Losser	
MAME	Mamelis	
NEER	Neeritter	
OPLO	Oploo	
OTL	Oterleek	
OTL1	Oterleek	
OTL2	Oterleek	
OTL3	Oterleek	
OTL4	Oterleek	
PPB	Philisteinsche Polder	
PPB1	Philisteinsche Polder (Bergen)	
PPB2	Philisteinsche Polder (Bergen)	
PPB3	Philisteinsche Polder (Bergen)	
PPB4	Philisteinsche Polder (Bergen)	
RSB	Ravensbos	
RDC	Rolduc	
SCHN	Schinveld	
SPY4	Spijk (Roodeschool)	
SPY3	Spijk (Roodeschool)	
SPY1	Spijk (Roodeschool)	
SPY2	Spijk (Roodeschool)	
SUH2	Surhuizum	
SUH3	Surhuizum	
SUH4	Surhuizum	
SUH1	Surhuizum	
NE37	Ubbergen	
NE05	Utrecht	
NE15	Valkenburg	
VKB	Valkenburg	
VBG	Venebrugge	
VBG1	Venebrugge (Bruchterveld)	
VBG4	Venebrugge (Bruchterveld)	
VBG2	Venebrugge (Bruchterveld)	
VBG3	Venebrugge (Bruchterveld)	
VLW3	Vlagtwedde	
VLW	Vlagtwedde	
VLW2	Vlagtwedde	
VLW4	Vlagtwedde	
VLW1	Vlagtwedde	
WMH4	Warmenhuizen	
WMH2	Warmenhuizen	
WMH1	Warmenhuizen	
WMH3	Warmenhuizen	
WMH	Warmenhuizen	
NIW4	Wetzens (Niawier)	
NIW1	Wetzens (Niawier)	
NIW2	Wetzens (Niawier)	
NIW3	Wetzens (Niawier)	
WYN4	Wijnaldum	
WYN1	Wijnaldum	
WYN2	Wijnaldum	
WYN3	Wijnaldum	
WTS	Winterswijk	
NE40	Winterswijk	
WTSB	Winterswijk	
NE04	Witteveen	WIT
WIT	Witteveen	
WDB	Woudbloem	
WDB1	Woudbloem 1	
WDB2	Woudbloem 2	
WDB3	Woudbloem 3	
WDB4	Woudbloem 4	
ZLV4	Zuidlaarderveen	
ZLV	Zuidlaarderveen	
ZLV1	Zuidlaarderveen	
ZLV2	Zuidlaarderveen	
ZLV3	Zuidlaarderveen	
ZL24	Zuidlaarderveen (2)	
ZL23	Zuidlaarderveen (2)	
ZL22	Zuidlaarderveen (2)	
ZL21	Zuidlaarderveen (2)	
ZWE1	Zweins	
ZWE2	Zweins	
ZWE3	Zweins	
ZWE4	Zweins	

Niedersachsen

CLNZ	Clenze	
GOLB	Goldborn	

Nord-Pas-de-Calais

HELF	Helfaut	

Norway

Jan Mayen Island

JMI	Jan Mayen	
JNE	Jan Mayen East	
JNW	Jan Mayen West	
AKN	Aaknes	
NBB13	Alf Garage	
ARCES	ARCESS Array Beam Reference Point	
ARA0	ARCESS Array Site A0	
ARA1	ARCESS Array Site A1	
ARA2	ARCESS Array Site A2	
ARA3	ARCESS Array Site A3	
ARB1	ARCESS Array Site B1	
ARB2	ARCESS Array Site B2	
ARB3	ARCESS Array Site B3	
ARB4	ARCESS Array Site B4	
ARB5	ARCESS Array Site B5	
ARC1	ARCESS Array Site C1	
ARC2	ARCESS Array Site C2	
ARC3	ARCESS Array Site C3	
ARC4	ARCESS Array Site C4	
ARC5	ARCESS Array Site C5	
ARC6	ARCESS Array Site C6	
ARC7	ARCESS Array Site C7	
ARD1	ARCESS Array Site D1	
ARD2	ARCESS Array Site D2	
ARD3	ARCESS Array Site D3	
ARD4	ARCESS Array Site D4	
ARD5	ARCESS Array Site D5	
ARD6	ARCESS Array Site D6	
ARD7	ARCESS Array Site D7	
ARD8	ARCESS Array Site D8	
ARD9	ARCESS Array Site D9	
ARE0	ARCESS Array Site E0	
ARNS	Arna	
ASK	Askoy	
I37H0	Bardufoss	
BEAR	Bear Island, Norway, Bear Island Array Beam Reference Point	
BEA1	Bear Island, Norway, Site 1 of Bear Island Array	
BEA2	Bear Island, Norway, Site 2 of Bear Island Array	
BEA3	Bear Island, Norway, Site 3 of Bear Island Array	
BEA4	Bear Island, Norway, Site 4 of Bear Island Array	
BEA5	Bear Island, Norway, Site 5 of Bear Island Array	
BEA6	Bear Island, Norway, Site 6 of Bear Island Array	
BER	Bergen	
RORSS	Ber_school_1	
MELSS	Ber_school_2	
BJO	Bjornoya	
BJO1	Bjornoya	
BLS	Blasjo	
BLS1	Blasjo	
BLS2	Blasjo	
BLS3	Blasjo	
BLS5	Blasjo	
N1R6	Dalselv	
N2DI	Digermulen	
DOMB	Dombas	
N2B4	Drage	
EGD	Espegrend	
FAUS	Fauske	
NBB30	Finnes	
FOO	Floro	
STOK2	Flostrand	
FLOS	Flostrand	
FRO	Froya	
NBB17	Glomfjord B¥rehus	
NBB15	Halsa Church	
HAMF	Hammerfest	
N1R5	Hammernes	
N2HS	Hamsund	
N2HA	Harstad	
N2B5	Haus	
HOMB	Homborsund	
HYA	Hoyanger	
I37NO	I37NO	
NBB05	Inndyr	
N2IH	Innhavet	
JMIC	Jan Mayen	
JETT	Jettan, Norway	
NBB03	Karbol	
KMY	Karmoy	
KTK4	Kautokeino	
KTK5	Kautokeino	
KTK6	Kautokeino	
KTK2	Kautokeino	
KTK3	Kautokeino	
KTK1	Kautokeino	
KRK	Kirkenes	
KONO	Kongsberg	
KON	Kongsberg	KONO
STOK1	Konsvik	
KONS	Konsvik	
N2LO	L‚dingen	
LEIR	Leirfjorden	
N2B6	Leirgulen	
LHN	Lillehammer	
N1R4	Lillevand	
N1R2	Lillevik	
LOF	Lofoten	
N2B3	Lovikneset	
MVG	Mesters Vig	
MOR4	Moi Rana	
MOR1	Moi Rana	
MOR6	Moi Rana	
MOR7	Moi Rana	
MOR2	Moi Rana	
MOR8	Moi Rana	
MOR3	Moi Rana	
MOR5	Moi Rana	
MOL	Molde	
N2B2	Myklebust	
NSS	Namsos	
NBB14	Nordeng Farm	
N2NF	Nordfold	
N1R3	Nordsjona	
NORES	NORESS Array Beam Reference Point	
NRA0	NORESS Array Site A0	NORES
NRA1	NORESS Array Site A1	
NRA2	NORESS Array Site A2	
NRA3	NORESS Array Site A3	
NRB1	NORESS Array Site B1	
NRB2	NORESS Array Site B2	
NRB3	NORESS Array Site B3	
NRB4	NORESS Array Site B4	
NRB5	NORESS Array Site B5	
NRC1	NORESS Array Site C1	
NRC2	NORESS Array Site C2	
NRC3	NORESS Array Site C3	
NRC4	NORESS Array Site C4	
NRC5	NORESS Array Site C5	
NRC6	NORESS Array Site C6	
NRC7	NORESS Array Site C7	
NRD1	NORESS Array Site D1	
NRD2	NORESS Array Site D2	
NRD3	NORESS Array Site D3	
NRD4	NORESS Array Site D4	
NRD5	NORESS Array Site D5	
NRD6	NORESS Array Site D6	
NRD7	NORESS Array Site D7	
NRD8	NORESS Array Site D8	
NRD9	NORESS Array Site D9	
NRE0	NORESS Array Site E0	
NA0	NORSAR 1A	NAO
NOA	NORSAR Array Beam Reference Point	NB2
NAO00	NORSAR Array Site 01A00	NAO
NAO01	NORSAR Array Site 01A01	
NAO02	NORSAR Array Site 01A02	
NAO03	NORSAR Array Site 01A03	
NAO04	NORSAR Array Site 01A04	
NAO05	NORSAR Array Site 01A05	
NBO00	NORSAR Array Site 01B00	NBO
NBO01	NORSAR Array Site 01B01	
NBO02	NORSAR Array Site 01B02	
NBO03	NORSAR Array Site 01B03	

Code	*Station Name*	*Other*
NBO04	NORSAR Array Site 01B04	
NBO05	NORSAR Array Site 01B05	
NCO	Norsar Array Site 01C00	
NB200	NORSAR Array Site 02B00	NB2
NB201	NORSAR Array Site 02B01	
NB202	NORSAR Array Site 02B02	
NB203	NORSAR Array Site 02B03	
NB204	NORSAR Array Site 02B04	
NB205	NORSAR Array Site 02B05	
NC200	NORSAR Array Site 02C00	NC2
NC201	NORSAR Array Site 02C01	
NC202	NORSAR Array Site 02C02	
NC203	NORSAR Array Site 02C03	
NC204	NORSAR Array Site 02C04	
NC205	NORSAR Array Site 02C05	
NC300	NORSAR Array Site 03C00	NC3
NC301	NORSAR Array Site 03C01	
NC302	NORSAR Array Site 03C02	
NC303	NORSAR Array Site 03C03	
NC304	NORSAR Array Site 03C04	
NC305	NORSAR Array Site 03C05	
NC400	NORSAR Array Site 04C00	NC4
NC401	NORSAR Array Site 04C01	
NC402	NORSAR Array Site 04C02	
NC403	NORSAR Array Site 04C03	
NC404	NORSAR Array Site 04C04	
NC405	NORSAR Array Site 04C05	
NC600	NORSAR Array Site 06C00	NC6
NC601	NORSAR Array Site 06C01	
NC602	NORSAR Array Site 06C02	NRE0
NC603	NORSAR Array Site 06C03	
NC604	NORSAR Array site 06C04	
NC605	NORSAR Array Site 06C05	
N10	NORSAR Subarray 10C Beam Reference Point	
N11	NORSAR Subarray 11C Beam Reference Point	
N12	NORSAR Subarray 12C Beam Reference Point	
N13	NORSAR Subarray 13C Beam Reference Point	
N14	NORSAR Subarray 14C Beam Reference Point	
NAO	NORSAR Subarray 1A Beam Reference Point	
NBO	NORSAR Subarray 1B Beam Reference Point	
NB2	NORSAR Subarray 2B Beam Reference Point	
NC2	NORSAR Subarray 2C Beam Reference Point	
NB3	NORSAR Subarray 3B Beam Reference Point	
NC3	NORSAR Subarray 3C Beam Reference Point	
NB4	NORSAR Subarray 4B Beam Reference Point	
NC4	NORSAR Subarray 4C Beam Reference Point	
NB5	NORSAR Subarray 5B Beam Reference Point	
NC5	NORSAR Subarray 5C Beam Reference Point	
NB6	NORSAR Subarray 6B Beam Reference Point	
NC6	NORSAR Subarray 6C Beam Reference Point	
NB7	NORSAR Subarray 7B Beam Reference Point	
NC7	NORSAR Subarray 7C Beam Reference Point	
NC8	NORSAR Subarray 8C Beam Reference Point	
NC9	NORSAR Subarray 9C Beam Reference Point	
ODD	Odda	
ODD1	Odda	
OSGS	Os	
OSG	Oseberg A Platform	
OSL	Oslo	
OO-NW	Oslo	
OO-	Oslo	OO-NW
N2RO	R,st	
RAUS	Rausandaksla	
RGS	Rognes	
NBB29	Rokland skole	
RUND	Rundenannen	
N2SV	S,rv¥gen	
SKAR	Skarslia	
NBB08	Skaug oppvekstsenter	
SNART	Snartemo	
N2SO	Sortland	
SOTS	Sotra	
STF	Statfjord A Platform	
STAV	Stavanger	
STEI	Steigen	
STOK	Stokkvaagen	
N2ST	Straumen	
SUE	Sulen	
N2TV	T¥rnvik	
NBB40	Tonnes	
TRO	Tromso	
TBLU	Trondheim	
TRON	Trondheim	
N2B7	Tytingvag	
N2B1	Tytingvag	
VAGH	Vaagaholmen	
VADS	Vadso	
NBB28	Valnes	
N2VA	Vr,y	
N1R1	Vettahaugen	
N2VI	Vinje	
Svalbard		
BRBA	Barentsburg A	
BRBB	Barentsburg B	
EO1	Edge Oya	
HOPEN	Hopen	
HSP	Hornsund	
HSPB	Hornsund (broadband)	
ISF	Isfjord	
KBS	Kingsbay	
SPITS	Spitsbergen Array Beam Reference Point	
SPA0	Spitsbergen Array Site A0	SPITS
SPA1	Spitsbergen Array Site A1	
SPA2	Spitsbergen Array Site A2	
SPA3	Spitsbergen Array Site A3	
SPB1	Spitsbergen Array Site B1	
SPB2	Spitsbergen Array Site B2	
SPB3	Spitsbergen Array Site B3	
SPB4	Spitsbergen Array Site B4	
SPB5	Spitsbergen Array Site B5	
Pays de la Loire		
BOUF	Bouguenais - site IFSTTAR	
CRNF	Coron - 49109 - Maine-et-Loire - France	
SOMF	Saint-Ouen-de-Mimbre - 72305 - Sarthe - France	
TSDF	Thoir-sur-Dinan - 72356 - Sarthe - Pays de la Loire - France	
Poitou-Charentes		
UNIO	Chateau-d'Oleron - 17093 - Charente-Maritime, France	
CLMF	riteuil-la-Magdeleine - 16116 - Charente - France	
GNEF	Genouille - 86104 - Vienne - France	
SDOF	Saint-Denis-d'Olron - 17323 - Charente-Maritime - Nouvelle-Aquitaine - France	
Poland		
BEL	Belsk	
MIKI	Bielsko-Biala	
BYT	Bytom	
CHZ	Chorzow	
CHZP	Chorzow	
CYP	Chylin	
CZA	CZA	
DGP	Dabrowa Gornicza	
GKP	Gorka Klasztorna	
PHL	Hel	
KWP	Kalwaria Paclawska	
KRA	Krakow	
KSP	Ksiaz	
NIE	Niedzica	
OJC	Ojcow	
RAC	Raciborz	
RBN	Rybnik	
SUW	Suwalki	
WAR	Warsaw	
BRE	Wroclaw	
ZAB	Zabrze	
Portugal		
Azores		
AGA	Agualva	
ADH	Angra Heroismo	
ADH0	Angra Heroismo	
PBIS	Biscoitos	
CALA	Caldeira	
PCALD	Caldeiras da Ribeira Grande	
PCND	Candelaria	
PCAN	Candelaria	
CEDR	Cedros	
CDRO	Cedros	
PCED	Cedros	
CMLA	Cha da Macela	
CML	Cha da Macela	
PCNG	Congro	
PMAT	Coroa da Mata	
FAC	Faja de Cima	
PFAD	Fenais da Ajuda	
PFET	Feteiras	
FLOR	Flores Is	
H07N1	FLORES T-PHASE SITE N1	
H07S1	FLORES T-PHASE SITE S1	
FOT	Fontinhas	
FRA1	Furnas	
FRA	Furnas	
SET2	Ginetes	
PGRA	Graciosa	
I42PT	GRACIOSA ISLAND INFRASONIC ARRAY REFERENCE POINT	
GRON	Grota Negra	
HOR	Horta	
LFA	Lagoa do Fogo	
PLUZ	Luz	
PMAN	Manadas	
MIRA	Miradouro	
MESC	Monte Escuro	
MTSA	Monte Escuro	
SET4	Mosteiros	
PICO	Pico	
BART	Pico Bartolomeu	
PCRZ	Pico da Cruz	
PFAV	Pico das Favas	
PSMN	Pico do Norte, Sta. Barbara	
PBOI	Pico dos Bois	
PPAD	Pico dos Padres	
PTEI	Pico do Teixo	
PVER	Pico Vermelho	
PIED	Piedade	
SET3	Pilar	
PDA	Ponta Delgada	
PTCA	Ponta do Capelo	
PPNO	Prainha do Norte	
PRCH	Ribeira Ch	
RIA0	Ribeira da Areia	RIA
RIA	Ribeira da Areia	
PID	Ribeirinha	
RIB	Ribeirinha	
RIB2	Ribeirinha	
ROSA	Rosais	
SDCA	Salto do Cavalo	
ASBA	Santa Barbara	
STGR	Santa Cruz	
PSMA	Santa Maria	
SAZ	Santa Maria Island	
PAMA	Santo Amaro	
PSAN	Santo Antonio	
SRBC	Serra Branca	
PSBA	Serra de Santa Barbara	
SCUM	Serra do Cume	
PSCM	Serra do Cume	
PSET	Sete Cidades	
SETA	Sete Cidades	
TOPO	Topo	
VIF	Vila Franca	
PVNV	Vila Nova	
PVIA	Vitoria	
Madeira Islands		
FUL	Funchal	
PMAR	Madeira	
PMOZ	Porto Moniz, Madeira	
PMPS	Porto Santo	
PMPST	Porto Santo, Madeira	
PALBU	Albufeira	
PACT	Alcochete	
PALC	Alcoutim	
PALJ	Aljezur	
ALMR	Almeirim	
AMRP	Almeirim	
PCAL	Alvares	
PARRA	Arraiolos	
PFBV	Barranco	
PBDV	Barranco-do-Velho	
PBAR	Barrancos	
PBEJ	Beja	
PBEN	Benavente	
PBRG	Braganca	
PSVI	Cabo S. Vicente	
PCAB	Cabril	
PCDRA	Caldas da Rainha	
PCASC	Cascais	
PCAS	Casmilo, Condeixa	
PCBR	Castelo Branco	
PCVE	Castro Verde	
COI	Coimbra	
PCOI	Coimbra	
PESTR	Estremoz	
EVO	Evora	
NE27	Evora	EVO
FAR	Faro	
PFARO	Faro	
PFFO	Foia	
PGAV	Gavieira, Arcos de Valdevez	
INMG	Instituto de Meteorologia, Lisbon	
PLAGO	Lagos	
POLO	Lamas de Olo	
LIS	Lisbon	
PMST	Lisbon--Monsanto	
PLOU	Loures	
PMAFR	Mafra	
MTE	Manteigas	
MORF	Marmelete	
PMRV	Marv??o	
MESJ	Messejana	
MVO	Moncorvo	
MTH	Montachique	
PMTG	Montargil	
FIG	Monte Figo	
PFMF	Monte Figo	
PMJU	Montehunto	
MOE	Montemor	
PNCL	Nicolau / Grandola	
PLML	Palmela	
PDRG	Pedrog??o	
PFPE	Pera	
PRL	Portalegre	
PPOR	Portimao	
PTO	Porto	
PFSC	Santa Clara	
PSANT	Santarm	
PFSB	Sao Bartolomeu	
PSBE	So Bento	
EVOP	Sao Brissos	
PTEO	Sao Teotonio	
PSARD	Sardoal	
PSSC	Serra do Socorro	
PSETU	Set®bal	
SETU	Setubal (Portugal)	
PSINE	Sines	
PTAV	Tavira	
PTOM	Tomar	
PVAQ	Vaqueiros	
PVERD	Verdizela	
PSRV	Vialonga--Serves	
PFVI	Vila Bisbo	
PVFX	Vila Franca de Xira	
PVRL	Vila Real	
PVIS	Viseu	
NE21		MTE
Provence-Cote d'Azur		
ENAUX	Enaux	
FLAUT	fort du Flaut	
GLAN	Grotte du Lazaret, Nice	
FLOF	La Fare-les-Oliviers - 13037	
SALSA	La sagne	
PIAF	les Granges de la Pia - Tende	
PROF	Poudrerie royale de Saint-Chamas	
STROF	presqu'le de Saint-Tropez - 83065, Gassin	
Rheinland-Pfalz		
BODE	Bodenheim	
GWBO	Ockenheim	
Romania		
ADCR	Adamclisi	
ADJ	ADJUD	
AMRR	Amara	
ARCR	ARCALIA	
ARCB	Arc Triumf Bucuresti	
ARR	Arges	
BAC4	Bacau	
BAC	Bacau	
BMR	Baia Mare	
BAIL	Bailesti	
BNL2	Banloc	
BANR	Banloc	
ONER	Baraj Valea Uzului	
BERR	Berezeni	
BIZ	Bicaz	
BIR	Birlad	
BISRR	Bisoca	
BISC	BISOCA	
BOSR	Bodos	
BRD	Bordesti	
BORR	Bors	
BTS2	Botosani	
BRL2	Braila	
BRAG	Branistea	
ZOBR	Brasov	
BRS4	Brasov	
BUC	Bucharest	
BUC2	Bucharest	BUC1
BUC1	Bucharest	
BAPR	Bucharest-Childs Park	
BGMR	Bucharest-Geological Museum	
BTMR	Bucharest-Geotec Company	
BBIR	Bucharest-INCERC-borehole	
RBAR	Bucharest-INCERC-Test Bldg	
BVCR	Bucharest-Old Court	
BSTR	Bucharest-Scientist's House	
BLHR	Bucharest-Stefan cel Mare Str.	
BURAR	Bucovina Array	
BUR07	Bucovina Ar. Site	
BUR06	Bucovina Ar. Site	
BUR01	Bucovina Ar. Site	
BUR02	Bucovina Ar. Site	
BUR03	Bucovina Ar. Site	
BUR08	Bucovina Ar. Site	
BUR05	Bucovina Ar. Site	
BUR04	Bucovina Ar. Site	
BUR09	Bucovina Ar. Site	
BUCF	Bucures@17ti--IRSA	
ASM1	Bucuresti	
PGRO2	Bucuresti	
MTR2	Bucuresti	
SGEB	BUCURESTI	
DTIR	Bucuresti-Nicolae Titulescu	
BUR33	BURAR	
BUR32	BURAR	
BUZ4	Buzau	
BUZR	Buzau	
BZS	Buzias	
CA02	CA02	
CA03	CA03	
CA04	CA04	
CA05	CA05	
CA06	CA06	
CA07	CA07	
CA08	CA08	
CA09	CA09	
CA10	CA10	
CA11	CA11	
CA12	CA12	
CA13	CA13	
CA15	CA15	
CA16	CA16	
CA17	CA17	
CA18	CA18	
CA19	CA19	
CA20	CA20	
CLS1	Calarasi	
CDB	Caldarusani	
CGN	Calugareni	
CMP1	Campulung	
CMP	Campulung	
CFR	Carcaliu	
CEI	Carei	
CB02E	CB02E	
CB03E	CB03E	
CB04B	CB04B	
CB05A	CB05A	
CB05B	CB05B	
CB07E	CB07E	
CB09E	CB09E	
CB11E	CB11E	
CC01	CC01	
CC03E	CC03E	
CC05	CC05	
CC06A	CC06A	
CC06B	CC06B	
CC07	CC07	
CC08A	CC08A	
CD01	CD01	
CD04	CD04	
CD06	CD06	
CD07	CD07	
CD10	CD10	
CD11	CD11	
CD12	CD12	
CD14	CD14	
CD15	CD15	
CD16	CD16	
CD17	CD17	
CD19	CD19	
CE01	CE01	
CE02	CE02	
CE03	CE03	
CE04	CE04	

Code	*Station Name*	*Other*
CE05	CE05	
CE06	CE06	
CE07	CE07	
CE08	CE08	
CE09	CE09	
CE11	CE11	
CE13	CE13	
CE15	CE15	
CE16	CE16	
CE17	CE17	
CE18	CE18	
CE19A	CE19A	
CE20	CE20	
CE21	CE21	
CE22	CE22	
CE23	CE23	
CE24	CE24	
CE25	CE25	
CEA	Ceahlau	
CVD4	Cernavoda	
CVD	Cernavoda	
CVDA	Cernavoda	
CVD1	Cernavoda-Power Plant	
CNCR	Cernica	
CF01	CF01	
CF02	CF02	
CF04	CF04	
CF05	CF05	
CF06	CF06	
CF07	CF07	
CF08	CF08	
CF09	CF09	
CF10	CF10	
CF11	CF11	
CF13	CF13	
GSMB	CHITILA	
CICN	Ciocanesti	
CIOR	Ciorogarla	
CL01	CL01	
CL02	CL02	
CL03	CL03	
CL04	CL04	
CL05	CL05	
CLIR	CLINCENI	
CLO	Closani	
CLU	Cluj	
CBBR	Cluj-Babes-Bolyai University	
CJR1	Cluj-Napoca	
CJR	Cluj-Napoca	
CM02E	CM02E	
CM03E	CM03E	
CM05E	CM05E	
CM08E	CM08E	
CMO6E	CMO6E	
CN03	CN03	
CN05	CN05	
CN07	CN07	
CLI	Colonesti	
CTISU	Constanta	
CCF	CONSTANTA	
TSCT	Constanta Port	
COPA	Copaceanca	
COSR	Cosmesti PH	
CVO	Covasna	
COZ	Cozia	
CRAR	CRAIOVA	
CS01	CS01	
CS02	CS02	
CS03	CS03	
CS04	CS04	
CS05	CS05	
CS06	CS06	
CS07	CS07	
CS08	CS08	
CAG1	Curtea de Arges	
CZ01	CZ01	
CZ03	CZ03	
CZ04	CZ04	
CZ05	CZ05	
CZ06	CZ06	
CZ07	CZ07	
CZ08	CZ08	
CZ10	CZ10	
DRBR	Darabani	
DEV1	Deva	
DEV	Deva	
DOC	Dochia	
DOPR	Dopca	
DRR	Dragan	
DRA	Dragasani	
EFOR	EFORIE	
FAG	Fagaras	
FTB	Fintinele	
FOC	Focsani	
FOC6	Focsani	
GLT4	Galati	
GISR	Galati	
GIRR	Girov	
GRG3	Giurgiu	
RMVG	GOVORA	
GZR	Gura Zlata	
RMGR	Halanga-Turnu Severin	
HARR	Harsova	
HNM	Heniu Mare	
HERR	Herculane	
HUMR	Humele	
IASR	Iasi	
IAS	Iasi	
INC6	INCERC	
INCR	INCERC-Sediu Central	
ICOR	Ion Corvin	
ISRF	Istric ta	
ISR	Istrita	
CLISU	ISU Calarasi	
DJISU	ISU Dolj	
GRISU	ISU Giurgiu	
MHISU	ISU Mehedinti	
OTISU	ISU Olt	
TRISU	ISU Teleorman	
IZVR	Izvoarele	
IZVB	Izvoarele B	
JOSR	Joseni	
JURR	Jurilovca	
LEHL	Lehliu	
LRR	Leresti	
LOPT	Lopu atari	
LOT	Lotru	
MII	Malini	
MSR	Malnas	
MANR	Mangalia	
TSMN	Mangalia Port-Far Verde	
MARR	Marisel-Cluj	
MTUR	Matau	
MDB	Medias	
MESR	Meseseni	
PMGR	Mogosoaia	
MOGR	Mogosoaia	
MDVR	Moldovita	
MSAB	Monastry St. Andrei	
MLR	Muntele Rosu	
MFTR	Murfatlar	
NEGRR	Negrea	
NEGR	Negresti	
NEHR	Nehoiu	
NARJ	Nu aruja	
ODBI	Odobesti	
ODB	Odobesti	
ONCR	Oncesti	
ONS2	Onesti	
ORD1	Oradea	
PANC	Panciu	
PRS2	Peris	
PCHR	PETRACHIOAIA	
PETR	Petresti	
PNT3	Piatra Neamt	
PTT	Piatra Neamt	
PLS3	Ploiesti	
PLAR	PLOIESTI	
PPF	PLOIESTI	
PLOR	Plostina	
PLOR7	Plostina	
PLOR1	Plostina Array site 1	
PLOR2	Plostina Array site 2	
PLOR3	Plostina Array site 3	
PLOR4	Plostina Array site 4	
PLOR5	Plostina Array site 5	
PLOR6	Plostina Array site 6	
PGOR	Pogoanele	
PMRF	Poiana Mare	
PPE	Popeni	
POPR	Popesti-Leordeni	
PUNG	Punghina	
RMSR	Rmnicu Srat	
RMV	Ramnicu Valcea	
RASA	Rasa	
PRAR	RASCA	
RSTR	Resita	
SCTR	Scanteiesti	
SCHL	Schela	
SCHLR	Schela	
SCHRR	Schitu	
SBE	Sebes	
AAR	Sfinta Ana	
SIBR	Sibiu	
SIMAR	Sighetul Marmatiei	
SNX	Sinaia	
SINR	Sinaia	
SGRR	Singureni	
SIRR	Siria	
SLCR	Slobozia Conachi	
SPBR	Spulber	
STFR	Stefanesti	
STFAR	Stefanesti-Arges	
SRE	Strehaia	
SUC1	Suceava	
TSSL	Sulina	
SDR	Surduc	
SURR	Surduc	
SSA	Susara	SSR
SSR	Susara	
TRG1	Targoviste	
TGJ	Targu Jiu	
TGMR	Targu Mures	
TATR	Tatarca	
TECR	Tecuci	
TESR	Tescani	
TIM	Timisoara	
TRGR	Tirgoviste	
TIRR	Tirgusor	
TLB	Topalu	
TLBR	Topalu	
TPGR	Topolog	
TOPG	Topolog	
TURR	Turia	
TRM1	Turnu Magurele	
TUU	Turnu Rosu	
TNR	Turnu Rosu	
VLR	Valea Ierii	
VLM1	Valenii de munte	
VARL	Varlezi	
VASR	Vaslui	
VLS2	Vaslui	
VCT	Victoria	
VLDR	Vladesti	
VLAD	Vladila	
COVR	Voineasa-Covasna	
VRI	Vrincioaia	
OZUR		
SECR		
SIRB		
TUDR		
SULR		
TLCR		
VOIR		
GHRR		
GALR		
GRER		
VARR		
FULR		
DRGR		
HADR		
LTRR		
ZIMR		
LUCR		
GOLR		
Russia		
Karel'skaya		
FP03	FP03	
FP05	FP05	
FR05	FR05	
San Marino		
RSM	Repubblica di San Marino	
ESMR	San Marino	
RSM2	San Marino	
Sardinia		
AGLI	Aglientu	
SU26	Carbonia-Iglesias, Loc. Su Bruncu	
SU14	Gonnosfanadiga (VS)	
SU10	Le Tonnare-Carloforte (CI)	
SU08	Maladroxia -SantAntioco (CI)	
SU13	Perdaxius- Is Atzoris (CI)	
SU12	Porto Botte (CI)	
SU06	San Giovanni Suergiu(CI)	
SU09	Sa Scrocca - Sant'Antioco (CI)	
SU11	Seruci (CI)	
SENA	Sos Enattos	
Schleswig-Holstein		
KHUS	Kellenhusen	
KUDEN	Kuden	
SKMB	Sankelmark Bunker	
Scotland		
GGERF	Dalmarnock	
Serbia		
AVAS	Avala Beograd	
BARS	Barje	
BGY	Belgrade	
BEO	Beograd	
BOLS	Boljevac	
BOSS	Bosilegrad	
BOVS	Bovan	
VVOS	Brankovina	
DIVS	Divibare	
DJES	Djerdap	
FRGS	Fruska Gora	
FGSL	Fruska Gora	
GRUS	Gruza	
HOPOS	Hopovo Monastery	
IVAS	Ivanjica	
KMIS	Kosovska,, Mitrovica	
KUBS	Kucevo	
BBLS	Lazići	
MDRV	Mala Drenova	
NOVS	Nova Varos 1	
NVSS	Nova Varos 2	
PTNS	Petnica	
PRVS	Prvonek	
RUDS	Rudovci	
SELS	Selova	
SJES	Sjenica	
STRS	Struganik	
SUBS	Subotica	
SVIS	Svilajnac	
TEKS	Tekeris	
TRUS	Trudelj	
VRSS	Vrsac	
ZAGS	Zajecar	
ZAPS	Zavoj	
NISS		
Sicily		
EBDA	Bosco di Aci (S. Maria La Stella)	
PZIN	Pantelleria	
EPIT	Pozzo Pitarrone	
Slovakia		
A339A	Balon	
BRA	Bratislava	
ZST	Bratislava	
CRVS	Cervenica-Dubnik	
A333A	Gbely	
HRB	Hurbanovo	
SRO1	Iza	
IZAB	Izabela	
KECS	Kecovo	
KOLL	Kolacno	
KOLS	Kolonicke sedlo	
LIKS	Likavka	
LANS	Liptovska Anna	
A335A	Lovce	
A336A	Medovarce	
SRO2	Moca	
MODS	Modra-Piesok	
POLL	Polichno	
A332A	Rudnianska	
A338A	Semerovo	
SPC	Skalnate-Pleso	
SMOL	Smolenice	
SRO	Srobarova	
STHS	Stebnicka Huta	
A334A	Sterusy	
A337A	Vahovce	
VYHS	Vyhne	
A331A	Zubak	
Slovenia		
BISS	Bistriski jarek	
BOJS	Bojanci	
KBZS	Brezje pri Sen	
CADS	C@19adrg	
CRES	C@19res@19njevec Ostr	
CEY	Cerknica	
CESS	Cesta pri Krskem	
S52SK	Cirkulane	
CRNS	Crni Vrh	
DOBS	Dobrina	
DBY	Dobrovo	
GOLS	Golis@17e	
GBAS	Gorenja Brezovica	
GRJ	Gorje	
GORS	Gorjuse	
GBRS	Gornja Briga	
GCIS	Gornji Cirnik	
GROS	Grobnik	
JAVS	Javornik	
KNDS	Knez@19ji Dol	
KOGS	Kog	
LEGS	Legarje	
LJU	Ljubljana	
MOZS	Mozjanca	
PERS	Pernice	
PDKS	Podkum	
ROBS	Robic@19	
SKDS	Skadanscina	
VBY	Vinica-Bojanci	
VISS	Vis@19nje	
VOY	Vojsko	
VOJS	Vojsko	
VNDS	Vrh nad Dolskim	
ZAVS	Zavodnje	
Spain		
Balearic Islands		
EIBI	Ibiza	
MAHO	Mahon	
ETOS	Mallorca	
ESEL	Selva	
Canary Islands		
CHIO	Chio	
CDLV	Cueva Verdes	
CCUM	Cumbre, El Hierro	
CTAN	El Hierro	
CHIE	El Hierro	
CTIG	El Hierro	
CJUL	El Julan, El Hierro	
CFUE	Fuerteventura	
CFTV	Fuerteventura	
GGC	Guia, Gran Canaria	
GUI	Guimar	
CICO	Icod de los Vinos	
EGOM	La Gomera	
CLAN	Lanzarote	
CRST	La Restinga, El Hierro	
CCAN	Las Canadas	
CTAD	Las Tabladas, Isla de El Hierro	
CMCL	Mercadel, El Hierro	
CRAJ	Montana Rajada	
MACI	Morro de la Arena	
CORC	Orchilla, El Hierro	
TBT	Taburiente	
CTFE	Tenerife	
TEN	Tenerife	
VVD	Valverde	
CVVD	Valverde	
Ceuta		
CEUT	Ceuta	
EXPTO	Acel. Puerto Lumbreras	
EXSF2	Acel. Santa Fe	
EXTOT	Acel. Totana	
EADA	Adamuz	
ADRA	Adra	
EXAD	Adra	
E011	Adriano, Sevilla	
EAGO	Agolada(Pontevedra)	
EXAGR	Agron	
ERON	Agron	
EXAGI	Aguilas, Murcia	
NE11	Ainzon	
WAIT	Aitana	
ALBA	Albanya	
EALB	Alboran	
ALBO	Alboran Island OBS	
E001A	Albudeite (Murcia)	
EXAL	Albunol	
ALCN	Alcanar	
ALCS	Alfacar	
AFC	Alfacar	
E101A	Algamitas (Sevilla)	
EXAO	Algodonales	
EXAA	Alhama Almeria	
EALH	Alhama de Murcia	
EXAG	Alhama Granada	
EXAHM	Alhama Murcia, Murcia	
ALI	Alicante	
EXAI	Alicante	
ALJ	Aljibe	
EALK	Alkurruntz	
ALM	Almeria	
EXAM	Almeria	
E015	Alquife, Granada	
ARAC	Aracena	
YARA	Arangoiti	
EARA	Aranguren	
EXAR	Arenas del Rey	
ARNO	Arenosillo	
E044	Argamason	
EARI	Arriondas	
E036	Arroyo de San Servan	
AAPN	Arroyo Pinares	
YASP	Aspurt	
AETJ	Atarfe	
AVN	Avellanes	
AVIN	Avinyo	
EXAYA	Ayamonte	
E017	Aznalcollar, Sevilla	
EBAD	Badajoz	
EXBA	Badajoz	
EBAJ	Bajamar	
EBAN	Banos Encina	
BAJU	Barcelona - Ciutat Vella	
BAIN	Barcelona - Plaa de Tetuan	
EXBZ	Baza	
E009	Beas, Huelva	
EXBE	Becerrea'	
EBEN	Beniarda	
EBEN2	Beniarda presa Alicante	
EXBN	Benidorm	
YBER	Berdun	
EBER	Berja	
CBEU	Beuda	
EBIE	Bielsa	
BLAN	Blanes	
BRUG	Bruguera	
CBRU	Bruguera	
E022	Bujalance, Cordoba	
EXBUL	Bullas, Murcia	
E038	Cabeza del Buey	
E040	Cabezarrubias del Puerto	
ACBG	Cabo de Gata	
EXCA	Cadiz	
E006	Caete la Real, Malaga	
ECAL	Calabor	
ACLR	Calar Alto	
AALM	Campus Universitario de Almeria	
ACU	Canalobre	
CANF	Canfranc	
E042	Carrizosa	
CART	Cartagena	
CRT	Cartuja	
COBS	Casablanca	
E005	Casares, Malaga	
E037	Caserio Las Cruces	
CCAS	Cassa de la Selva	
CIBOR	Castaar de Ibor, Cceres	
ALCX	Castello	
E032	Castillo de Giribaile, Vilches, Jaen	
E0901	Celadas (Teruel)	
SCRT	Cerro San Cristobal	

Code	Station Name	Other
CEU	Ceuta	
ECEU	Ceuta	
ECHE	Chera	
EXCH	Chimeneas	
ACHM	Chimeneas	
ECHI	Chisagues Bielsa	
EVIV	Cofrentes, Valencia	
ECOG	Cogollos-Vega	
CNIL	Conil	
ECRI	Cripan	
DILR	Dilar	
EXDI	Dilar	
EBR	Ebro Roquetas	
EBRE	Ebro Roquetas	
ECAB	El Cabril	
EXCBR	El Cabril	
EXEL	Elche	
IELO	Elcoad	
EXED	Elda	
EXEE	El Ejido	
EXEJI	El Ejido	
EGRO	El Granado	
ELIZ	Elizondo	
E019	El Pedroso, Sevilla	
E018	Embalse de El Pintado, Sevilla	
E932	Embalse del Gaudalen, Jaen	
ATANC	Embalse El Atance (Siguenza - Guadalajara)	
E1202	Enciso (La Rioja)	
IEPA	Eparoz	
ESPR	Espera	
ESPO	Espot	
ESTP	Estepa	
EXES	Estepona	
CEST	Esterri de Cardos	
FBR	Fabra	
EFAM	Famara	
CFAR	Far de la Banya	
FONT	Fontmartina	
CFON	Fontmartina	
AFON	Font Roja	
AFUE	Fuente Hervidero	
EXGA	Gandia	
E039	Gargantiel	
CGAR	Garraf	
GIBL	Gibalbin	
CGIR	Ginora - Universitat	
CGIS	Girona - Santa Caterina	
GORA	Gorafe	
HR20	Granada	
EXGRA	Granada	
NE14	Granada	
EXCAB	Granada	
PSIM	Granatula de Calatrava, Ciudad Real	
CGRN	Granollers	
EGRA	Graus	
GUD	Guadarrama	
EGUA	Guajares	
EXGUA	Guardamar (Alicante)	
HACH	Hacho	
EHRO	Hierro	
EHIG	Higuera	
EHOR	Hornachuelos	
HORN	Hornachuelos	
ERTA	Horta de San Juan	
E025	Huelma, Jaen	
EXHU	Huelva	
EXHUO	Hurcal-Overa, Almera	
EHUE	Huescar	
ICJA	ICTJA-CSIC, Barcelona	
CBUD	Illa de Buda	
EINC	Incio	
ALR	Isla de Alboran	
ECOL	Islas Columbretes	
IPRE	Itoiz	
EXJA	Jaen	
JAND	Jandula	
E028	Jerez de los Caballeros, Badajoz	
EJIM	Jimena Frontera	
EJIF	Jimena Frontera	
E0803	Jimena (Jaen)	
EXJU	Jumilla	
EJUZ	Juzbado, Salamanca	
NE11*	La Almunia	
E045	La Font de la Figuera	
EJON	La Jonquera	
EMUR	La Murta	
ELAN	Lanestosa	
E1302	La Puebla de Cazalla (Sevilla)	
ROMA	La Romaneta	
ERUA	La Rua	
EXSEU	La Seu d''Urgell	
E031	Las Morras, Villanueva del Duque, Cordoba	
CAVN	Les Avellanes	
E034	Letur, Albacete	
LIJA	Lijar	
ILER	Lleida	
CLLI	Llivia	
LLIS	Llivia - Poliesportiu	
ELOB	Lobios	
LGR	Logrono	
ALOJ	Loja	
EXLO	Lorca	
ELOR	Lorca, Murcia	
TLOR	Lorca, Murcia	
EXLR	Lorqui	
ELGU	Los Guajares, Granada	
EXLU	Lugo	
ELUQ	Luque	
MDD	Madrid	
EXMA	Malaga	
MAL	Malaga	
EMAL	Malaga-Limonero	
E012	Marchena, Sevilla	
E024	Martos, Jaen	
CMAS	Mas de Barberans	
EMAZ	Mazaricos	
EXMAZ	Mazarron	
MELI	Melilla	
WMELI	Melilla	
EMEL	Melilla	
EMIJ	Mijas	
EMIN	Mina Concepcion	
EMIR	Miracle	
MOMI	Momias	
EMON	Mondonedo	
POBL	Monestir Poblet	
MRB	Monserrat	
MTJR	Montjuic	
CMON	Montserrat	
EXMOR	Moron de la Frontera	
EMOS	Mosqueruela	
EXMO	Motril	
EXMU	Mula	
YNAR	Nardues-Aldunate	
ANER	Nerja	
ENIJ	Nijar	
E033	Ojanco, Jaen	
OJEN	Ojen	
OLT	Olot	
OLOS	Olot	
EXOR	Olula del Rio	
ORG	Organya	
CORG	Organya	
ORGV	Orgiva	
CORI	Orista	
E007	Orjiva, Granada	
EORO	Oroz-Betelu	
EOSO	Osorio	
E010	Palacio de Doana, Huelva	
CPAL	Palau Saverdera	
EXPA	Pamplona	
XIII	Pantano de Alfonso	
PARA	Parapanda	
APCG	Parque de las Ciencias	
YMUS	Pea Musera	
E030	Peraleda del Zaucejo, Badajoz	
APHE	Pico Herrero	
EXPDH	Pilar de la Horadada	
PINR	Pinar	
EPLA	Plasencia	
PLAT	Plata	
EPOB	Poblet	
PONT	Pont de Suert	
EPON	Pontenova	
EQTA	Presa de Quentar	
EPRU	Pruna	
E002	Puerto del Bujeo, Cadiz	
NE13	Puertollano	
EQUE	Quentar	
EXQUE	Queralbs	
EQES	Quesada	
RANB	Rancho Bola	
REAL	Reales	
RESI	Resinera	
REUS	Reus	
ERIP	Rio Piedras	
TINT	Rio Tinto	
EXRIP	Ripoll, Girona	
EROQ	Roquetas del Mar	
E016	Rosal de la Frontera, Huelva	
E008	San Bartolome de la Torre, Huelva	
ESAC	San Caprasio	
SFUC	San Fernando	
SFS	San Fernando	
EPAB	San Pablo	
PAB	San Pablo	
SRQ	San Roque	
E020	Santaella, Cordoba	
NE30	Santa Pau	
CELO	Sant Celoni	
STS	Santiago	
NE26	Santiago de Compostela	
SESP	Santiago Espada	
ALT03	Santillana del Mar (Cantabria)	
ALT02	Santillana del Mar (Cantabria)	
ALT01	Santillana del Mar (Cantabria)	
EXSA	Sarria	
ASCB	Sierra Cabrera	
E026	Sierra de Lcar, Granada	
ELIJ	Sierra de Lijar	
E001	Sierra del Retn, Cadiz	
ELVI	Sierra Elvira	
SELV	Sierra Elvira	
EGOR	Sierra Gorda, Loja, Granada	
ELOJ	Sierra Loja	
ASMO	Sierra Morrones	
YSIG	Sigues	
ESBB	Sonseca Array BB	
ESDC	Sonseca Array Beam Reference Point	
ES01	SONSECA Array Site 01	
ES02	SONSECA Array Site 02	
ES03	SONSECA Array Site 03	
ES04	SONSECA Array Site 04	
ES05	SONSECA Array Site 05	
ES06	SONSECA Array Site 06	
ES07	SONSECA Array Site 07	
ES08	SONSECA Array Site 08	
ES09	SONSECA Array Site 09	
ES10	SONSECA Array Site 10	
ES11	SONSECA Array Site 11	
ES12	SONSECA Array Site 12	
ES13	SONSECA Array Site 13	
ES14	SONSECA Array Site 14	
ES15	SONSECA Array Site 15	
ES16	SONSECA Array Site 16	
ES17	SONSECA Array Site 17	
ES18	SONSECA Array Site 18	
ES19	SONSECA Array Site 19	
ESLA	Sonseca Array Site A	
ESLB	Sonseca Array Site B	
ESLC	Sonseca Array Site C	
ESLD	Sonseca Array Site D	
ESLE	Sonseca Array Site E	
ESLF	Sonseca Array Site F	
ESLG	Sonseca Array Site G	
CSOR	Sort	
YSOS	Sos del Rey Catolico	
SQD	Susqueda	
TARIF	Tarifa	
EXTA	Tarifa	
ATEJ	Tejeda	
ETER	Terradas	
ETOB	Tobarra	
NE17	Toledo	TOL
TOL	Toledo	
TLO	Toledo HGLP	
E013	Torcal de Antequera, Malaga	
TORR	Tordecillas	
ETOR	Torete	
EXTPC	Torre Pacheco	
EXTO	Torrevieja	
E035	Torrevieja, Alicante	
CTRM	Tremp	
CTRE	Tremp	
CADI	Tunel del Cadi	
E0802	Ubeda,Jaen	
IUNC	Unciti	
YUND	Undues	
UCM	Universidad Complutense Madrid	
E029	Usagre, Badajoz	
IUSE	Utxeti	
CARA	Val d'Aran	
NE12	Valle Caidos	
EVAL	Valverde	
VAN2	Vandellos 2	
VELZ	Velez Rubio	
EXVE	Vera	
EXVE2	Vera, Almera	
EVIA	Vianos	
VIH	Vielha	
VIER	Vielha - Casau	
VIES	Vielha - Hospitau	
VILA	Vilada	
E041	Villalba de Calatrava	
E051	Villa los Angeles	
UMV12	Villanueva de San Juan (Sevilla)	
E021	Villaviciosa de Cordoba, Cordoba	
YEBES	Yebes (Guadalajara)	
E1002	Yechar (Murcia)	
EZAM	Zamans	
NE28	Zamora	
EXZAR	Zarcilla de Ramos, Murcia	
EZAR	Zarzadilla de Totana, Murcia	
IZUN	Zunzarren	
NE22		MAL
NE19		LGR
NE20		ALM
NE24		ALI
NE23		FBR
NE25		EBR
Svalbard		
ADV	Adventbay Spitsbergen	
Sweden		
ABB	Abborrasen	
ABK	Abisko	
ASPU	Aespoe	
ATR	Alsterbro	
APP	Appelbo	APO
ARNU	Arnoeviken	
ASKU	Askersund	
APO	Äppelbo	
BACU	Backbrunna	
BJUU	Bjuv	
BLEU	Blekinge	
BOGU	Bogesund	
BORU	Boraas	
BYD	Bredaryd	
BREU	Bredtraesk	
FIBU	Brunna	
BURU	Burvik	
BYXU	Byxelkrok	
DEL	Delary	
DEL1	Delary	
DUNU	Dundret	
EKSU	Eksjoe	
ERTU	Ertsjaerv	
ESKU	Eskilstuna	
FKPU	Falk	
FABU	Falkenberg	
FALU	Falun	
FINU	Finntorp	
FLYU	Flymyra	
FORU	Forsmark	
GNOU	Gnosjoe	
GOT	Goteborg	
NE01	Goteborg	
GOTU	Gotland	
GRAU	Graesoe	
GBD	Granbergs Dal	
GNN	Gunnerudssatern	
HFS	Hagfors	
HFSA1	Hagfors Array Site A1	
HFSB1	Hagfors Array Site B1	
HFSB2	Hagfors Array Site B2	
HFSB3	Hagfors Array Site B3	
HFSB4	Hagfors Array Site B4	
HFSB5	Hagfors Array Site B5	
HFSC1	Hagfors Array Site C1	
HFSC2	Hagfors Array Site C2	
HFA0	Hagfors New Array Site A0	
HFA1	Hagfors New Array Site A1	
HFA2	Hagfors New Array Site A2	
HFA3	Hagfors New Array Site A3	
HFB1	Hagfors New Array Site B1	
HFB2	Hagfors New Array Site B2	
HFB3	Hagfors New Array Site B3	
HFB4	Hagfors New Array Site B4	
HFB5	Hagfors New Array Site B5	
HFC2	Hagfors New Array Site C2	
HVK	Hallstavik	
HARU	Harads	
HASU	Hassela	
HED	Hedekas	
HEMU	Hemsoen	
HRN	Horndal	
HUDU	Hudiksvall	
HUSU	Husum	
IGGU	Iggoen	
KALU	Kalix	
KLS	Karlskrona	
KTN	Katrineberg	
KIR	Kiruna	
KUA	Kurravaara	
LANU	Lannavaara	
RATU	Laukkuluspa	
LILU	Lilltraesk	
LNKU	Linkoeping	
LUN	Lund	
LUNU	Lund	
MRE	Mariestad	
MASU	Masugnsbyn	
MYV	Myrviken	
NSD	Nasudden	
NIKU	Nikkaluokta	
NRAU	Nora	
NOD	Norderasen	
NRTU	Norrtaelje	
NYK	Nykoping	
NYNU	Nynaeshamn	
OSTU	Oestervaala	
OLDS	OLDS	
OLF	Olofstrom	
ONAU	Onsala	
ONSU	Onsala	
ORK	Orkelljunga	
OSKU	Oskarshamn	
PAJU	Pajala	
ROTU	Roteberg	
KOVU	Salmi	
SALU	Saltoluokta	
SJUU	Sjulsmark	
SKA	Skalstugan	
SOLU	Sollefteaa	
ODEU	Stanfors	
SGAS	Stanga	
SLL	Stollet	
STRU	Stroemstad	
SVAU	Svanoeiden	
T031	T031	
T034	T034	
T035	T035	
T036	T036	
T037	T037	
T038	T038	
T039	T039	
T043	T043	
T044	T044	
T052	T052	
T053	T053	
T054	T054	
T056	T056	
T057	T057	
T058	T058	
T059	T059	
T061	T061	
T065	T065	
T066	T066	
T067	T067	
T068	T068	
T069	T069	
T070	T070	
T071	T071	
T073	T073	
T074	T074	
T075	T075	
T076	T076	
T077	T077	
T14S	T14S	
T16S	T16S	
T18S	T18S	
T30S	T30S	
T40S	T40S	
T41S	T41S	
T42S	T42S	
T60S	T60S	
T897	T897	
T898	T898	
TNU	Tenhult	
TJOU	Tjoern	
TBY	Torsby	
UDD	Uddeholm	
UME	Umea	
UMAU	Umeaa	
UPP	Uppsala	
VANU	Vaenersborg	
NASU	Vaermlandsnaes	
VSTU	Vaestervik	
VXJU	Vaexsjoe	
VNY	Varmlds Nysat	
VAS	Vassijaure	
VEB	Veberod	
VIKU	Vikbolandet	
VIM	Vimmerby	
Switzerland		
Luzern		
SLUW	Luzern Werkhofstrasse	
Raron		
LAUCH	Lauchernalp	
SAARA	Aarau, neue Kantonsschule, AG	
ACHB	Acheberg	
AGA01	Agarn, Football field, VS	
AIGLE	Aigle	
SAIG	Aigle Rue de la Gare	
PREO5	Alpe di Rosciora stable-part 5, Preonzo, TI	
APL	Alpnach	
SALTS	Altdorf, Kantonsspital	
SAPK	Appenzell, Kantonsschule, AI	
A062A	Arbedo Castione, Alpe di Gesero, TI	
SARE	Arbon, Evangelische Kirche, TG	
SARD	Ardez Schule, GR	
SARC	Ardon Commune, VS	
SAUR	Augst-Roemermuseum	
SAYF2	Ayent-Fortunoz Trafohaus, VS	
SBAS	Baar Spital, ZG	
BALST	Balsthal	
BNALP	Bannalp	
BBS	Basel-Blauen	
SBAF	Basel-Friedhofgasse	
SBAK	Basel, Klybeck	
SBAM2	Basel, Mnster, BS	
SBAP	Basel-PUK	
SBAJ2	Basel, St Johann, BS	

Code	*Station Name*	*Other*
SBAT	Basel-Tropenhaus	
SBAV	Basel, Vogelsang, BS	
SBAW	Basel, Wirtschaftsgymnasium, BS	
BAS	Basle	
SBGN	Bergn Schule, GR	
BERNI	Berninapass	
SBERN	Bern, Kleine Schanze	
SBEG	Bettingen Gewerbehaus	
SBIK	Biel, Kongresshaus, BE	
SBIS2	Binningen	
SBIF2	Birsfelden, Friedhof	
BOBI	Bbikon, Wasserreservoir Allmend, AG	
BOURR	Bourrignon	
BRIZ1	Brienz/Brinzauls, GR	
BRIZ2	Brienz, Instabilitaet Caltgeras, GR	
BRI	Brig	
BIBA	Brigerbad	
SBRS	Brig, Spital	
BUB	Buchberg	
SBUA2	Buchs, Altendorf	
SBUB	Buchserberg Malbun	
SBUH	Buchs, Hochschule	
SBUL	Bulle cole, FR	
SBUS	Buochs, Nidwalden	
SCAS2	Camedo, Paratoia di Spurgo TI	
SCEL	Celerina	
ILLEZ	Chalet Vouargne Bourlo, Wallis, VS	
SCOD	Ch¢teau-dOex, salle de spectacle VD	
SCHAT	Ch¢tillon, cole, FR	
SULZ	Cheisacher	
CHIR1	Chironico	
CHU	Chur	
SCUG	Chur Gewerbeschulhaus	
SCHK	Churwalden Kloster GR	
ESION	College des Creusets, Sion	
CON01	Conthey, Agroscope, VS	
SCOU	Cournillens	
CUNA	Curaglia	
DAVON	Davos	
DAVOS	Davos	
DAVOX	Davos/Dischmatal	
SDAK	Davos, Kongresszentrum GR	
ZUR	Degenried	
SGT03	Degersheim	
SDES	Delmont, Spital JU	
DOETR	Doetra (Olivone)	
SIEB	Ecole de Borzuat	
SGT05	Eggersriet	
QEG00	Eglisau, Reservoir Grafenholz, ZH	
EMBD	Embd, Mattertal	
EMMET	Emmethof	
EMO	Emosson	
EMS	Emosson-Mur	
SEMOS	Emosson Staumauer, Bunker	
SENGL	Engelberg, Kloster, OW	
SEFS	Erstfeld, Schule, UR	
FIESA	Fiescheralp	
FLACH	Flaach	
RAW4	Former Reservoir Mayens-de-Chamoson, VS	
EWZT1	Frdhf. Weidikon, ZR	
SFRA	Frenkendorf	
SFRU	Fribourg, Universit¤t Freiburg, FR	
SFRS	Frutigen, Schulhaus Kanderbrueck, BE	
FUSIO	Fusio	
SGT01	Gaiserwald	
SGAK	Gampel Kirche, VS	
GMS01	Gemsstock NE-Grat, Andermatt, UR	
SGEV	Genve, Vieux-Billard	
SGEM	Genf, Marziano	
SGLK	Glarus, Kantonsspital, GL	
SGT18	Golfpark Waldkirch, SG	
DIX	Grande Dixence	
GRIMS	Grimsel Gerstenegg	
GRYON	Gryon	
ELAUS	Gymnase	
HALTI	Haltingen (BS)	
HAMIK	Hmikon, Dlikerfeld, LU	
SHER	Hrmence, Route du Solitaire, VS	
HASLI	Hasliberg/Brienz	
SHEK	Heerbrugg, Kantonsschule SG	
SIZS	Ilanz Schule GR	
ILL15	Illgraben, Alpage de Chandolin, VS	
ILL16	Illgraben, Fort du Bachet, VS	
A061A	Innerthal, SZ	
SINS	Interlaken, Schloss	
JAUN	Jaun, Euschelspass, FR	
SKAF	Kaiseraugst-Friedh	
KAMOR	Kamor	
LIENZ	Kamor/St.Gall Rh.T	
EBUEL	Kantonsschule Buelach	
EWATT	Kantonsschule Wattwil	
SKEK	Kerns, Kirchgemeinde, OW	
SKLW	Kloten, Waffenplatz, ZH	
SKRK	Kreuzlingen, Kantonsschule TG	
SLCF	La Chaux de Fonds, Flughafen, NE	
SALAN	Lac Salanfe	
SENIN	Lac Senin/Sanetsch	
BTNF	Ladstafel, Nufenenpass, VS	
RITOM	Lago Ritom (SBB)	
NOV4	La Tour-de-Pellz	
NVL1	Lau de Morge, St.Gingolph, VS	
SEPFL	Lausanne EPFL	
LAVEY	Lavey les Bains, Waadt, VD	
NVL2	Le Croseau, ST.Gingolph, VS	
RAW1	Lenk, BE	
RAW3	Les Diablerets, Reservoir des Cretes, VD	
SAIRA	Les Sairains Dessus	
BRANT	Les Verrieres	
LKBD	Leukerbad	
LKBD2	Leukerbad 2	
EBELL	Liceo Cantonale, Bellinzona	
SLTM2	Linthal, Matt	
LLS	Linth-Limmern	
SLOP	Locarno, Pompieri	
SUSI	Lugano, Universit d. Svizzera Italiana, TI	
LUKA1	Lukmanier-Pass	
DAGMA	Lutertal, Dagmarsellen	
SLUB	Luzern Bramberg	
SLUK	Luzern Kirche, LU	
SLUZ	Luzern Zentralbibliothek	
ELFMC	Lycee	
SMAO	Martigny, Rue d'Octodure	
MMK	Mattmark	
MAUBO	Mauborget	
SMFL	Mauren, Feuerwehr, FL	
MELS	Mels	
SMELS	Mels Schulhaus Feldacker, SG	
ILL14	Mittler Illalp, ILLGRABEN, VS	
MTI03	Mont Terri (freefield, SED-Schacht NW400, Brunefarine) JU	
MTI02	Mont Terri, (HE Schacht)	
MTI01	Mont Terri (ME Nische)	
MTIA1	Mont Terri MTIA1, JU	
MTIA2	Mont Terri MTIA2, JU	
MTIA3	Mont Terri MTIA3, JU	
MTIA4	Mont Terri MTIA4, JU	
SMOE	Moudon cole, VD	
MUGIO	Muggio	
MFSFB	Multi FST (Faido)	
MFSFA	Multi FST (Faido)	
MUO	Muotathal	
SMUK	Muraz-Klaeranlage	
SMUR	Muraz-Reservoire	
SMZW	Muttenz-Waldhaus	
NDTR1	NAGRA Drilling, Truellikon, ZH	
NARA	Nara (Leontica)	
SNTZ	Naters, Zentrum Missione, V	
NEC	Neuchatel	
NEU	Neuchatel	
SNES2	Neuenburg, Observatorium, NE	
NIE01	Niedergesteln, Fire station, VS	
NOV1	NOV1	
NOV2	NOV2	
NOV3	NOV3	
GSF02	Oberaar-Guttannen, Baeregghuette, BE	
ILL13	Obere Abschlacht, ILLGRABEN, VS	
GSF03	Obergoms, Fort Galenhuetten Furkastrasse, VS	
FUORN	Ofenpass-Fuorn	
SOLS	Olten Spital, SO	
ORB	Orbe	
OTTER	Otterbach	
OTER1	Otterbach 1 (BS)	
OTER2	Otterbach 2 (BS)	
OSS	Ova Spin	
PFAFF	Pfaffnau Reservoir	
PANIX	Pigniu (Panix)	
ILL17	Plaine Madeleine, ILLGRABEN, VS	
PLONS	Plons/SG	
NVL3	Port Valais, Les Evouettes, Wallis VS	
MFERR	Prayon, Val Ferret, La Fouly, VS	
PREO4	Preonzo, Alpe di Roscera stable 3, TI	
PREO1	Preonzo, Alpe di Roscioro, Stable 1, TI	
PREO3	Preonzo, Alpe di Roscioro, Stable 2, TI	
PREO2	Preonzo, Alpe di Roscioro, Unstable, TI	
RAR02	Raron, Airdrome, VS	
RAR01	Raron, Gemeindekanzlei, VS	
SRER	Reinach, Rainenweg	
SRNR	Reinach, Reinacherhof	
FULLY	Reservoir Mazembroz, Wallis, VS	
SRFW	Rheinfelden, Werkhof, AG	
RA42	Rhonegletscher, north of the glacier lake, VS	
RA43	Rhonegletscher, north of the glacier lake, VS	
RA52	Rhonegletscher, Obergoms, Schweiz	
RA53	Rhonegletscher, Obergoms, Schweiz	
RA51	Rhonegletscher, Obergoms, Schweiz	
RA01	Rhonegletscher, RA01, VS	
RA02	Rhonegletscher, RA02, VS	
RA03	Rhonegletscher, RA03, VS	
RA04	Rhonegletscher, RA04, VS	
RA05	Rhonegletscher, RA05, VS	
RA06	Rhonegletscher, RA06, VS	
RA07	Rhonegletscher, RA07, VS	
RA08	Rhonegletscher, RA08, VS	
RA09	Rhonegletscher, RA09, VS	
RA10	Rhonegletscher, RA10, VS	
RA11	Rhonegletscher, RA11, VS	
RA12	Rhonegletscher, RA12, VS	
RA13	Rhonegletscher, RA13, VS	
RA14	Rhonegletscher, RA14, VS	
RA41	Rhonegletscher, west of Gross Furkahorn, VS	
RIEH2	Riehen 2 (BS)	
SRHB	Riehen-Baumlih	
SRHE	Riehen, Erlenstrsschen, BS	
SRHH	Riehen, Zur Hoffnung, BS	
ROMAN	Romanshorn, Forsthaus, TG	
A060B	Romoos, Napf, BE	
ROTHE	Rothenfluh	
SAX	Saentis	
ILL12	Sagenschleif ILLGRABEN, VS	
SAI01	Saillon, Rue du Grand Clos, VS	
LEO01	Saint Lonard, STEP, VS	
RAW2	Sanetsch, VS	
SARK	Sarnen Kantonsschule	
SCHE	Schaffhausen-Ebnat	
SCHS	Schaffhausen, Spital	
SGT04	Schlatt-Haslen	
SLE	Schleitheim	
MATTE	Schuetzenmatte (BS)	
SSCN	Schweizerhalle, Novartis	
SWYZ	Schwyz, Kantonsschule Kollegium, SZ	
SCUC	Scuol-Clozza	
SGT00	Sennhlsen	
SIERE	Sierre	
SIE01	Sierre, Farmhouse, VS	
SIMPL	Simplonpass	
SIS	Sion	
SIOM	Sion-Mayennets	
SIOO	Sion-Ophtalmol	
SIOV	Sion-Valere	
SOLB	Solothurn Schulhaus Brhl	
SOLZ	Solothurn, Zeughausgasse	
QEG01	Stadel, Weggabelung Kl. Forstamt, Aemperg, ZH	
SSTS	Stans, Spital NW	
CURA	Stauanlage Cunera	
STEIN	Stein am Rhein	
ILL18	Steinschlaghuette ILLGRABEN, VS	
STGK	St. Gallen Kloster	
GIMEL	St. Georges / Gimel	
STIEG	Stiegenhof Hundestation	
JOHAN	St. Johann (BS)	
SSMS	St. Maurice, Haute cole pdagogique du Valais, VS	
STAF	Tafers	
TMA	Tamaro	
STHK	Thun, Kantonsschule BE	
TORNY	Torny/Romont	
TONGO	Tortengo (Faido)	
EWZT0	Triemli, ZR	
STRW	Triesenberg, Werkhof, FL	
TRULL	Truellikon	
STSP	Tschierv	
PIORA	Tunnel	
EWZT3	Uitikon, ZR	
VDL	Val di Lei	
NALPS	Val Nalps	
SVAM	Vaz, Muldain	
VET03	Vtroz, Le Botza, VS	
VET01	Vtroz, Route Cantonale, VS	
VET02	Vtroz, Route de la Bourgeoisie, VS	
SVEJ	Vevey Jardin du Rivage, VD	
EMV	Vieux Emosson	
SFEL	Villigen, Paul Scherrer Institut AG	
SVIL	Visp Littennaring	
SVISP	Visp, Lonza VS	
SVIO	Visp Obere Stapfengasse	
SVIT	Visp-Terbinerstrasse	
VANNI	Vissoie, Val d'Anniviers	
BTAO	Waffenplatz Bedrina, Airolo, TI	
SWAS	Walenstadt, Sportplatz SG	
A060A	Wasen, Napf, BE	
NDBU	Wasserreservoir Schachen, Buelach, ZH	
WEIN	Weingarten	
EWZT2	Wettswil, ZR	
WILA	Wila	
QEG02	Wil, Freihalteflche Egissen, ZH	
SWIK	Wil, Kantonsschule, SG	
WIMIS	Wimmis	
SWIS	Winterthur Spital, ZH	
WOLEN	Wohlen bei Bern, Struchismoos, BE	
SYVJ	Yverdon-Jordils	
SYVP	Yverdon-les-Bains, rue des Philosophes	
SZEK	Zermatt, Kirche VS	
MH36	Zermatt, Position 36, VS	
MH38	Zermatt, Position 38, VS	
MH44	Zermatt, Position 44, VS	
SZER	Zernez	
STSW2	Zeuzier, Stausee VS	
SGT02	Zihlschlacht	
ZLA	Zuerich Laegern	
ZUL	Zurich-Lageren	
SZUZ	Zrich, Zeughauswiese	
SZWD2	Zweisimmen Kirche, BE	
Valais		
SGRA	Graechen Ausblick	
SNIB	St. Niklaus Bahnhofstrasse	
Thessaly		
ALM1	Almyros	
KAR2	Kardistsa	
Thuringen		
LUHNE	HRB Luhne-Lengefeld	
BONN	Klostergut Bonnrode	
MUEN	Kloster Mnchenlohra	
MENTE	Menteroda	
MORAS	Morassina Schaubergwerk	
GEIDO	Obergeiendorf	
ZEITZ	Schloss Moritzburg Zeitz	
SPAHL	Spahl	
Ukraine		
BAL3X	Bal3x, Balta	
KHAM	Kharkiv	
KIEV	Kiev	
RNPP2	Kostyukhnivka	
RNPP1	Kostyukhnivka	
LUBAR	Lubar, Ukraine	
MKY	Makeyevka	
AKASG	Malin Array Beam Reference Point	
AK01	Malin Array Site 01	
AK02	Malin Array Site 02	
AK03	Malin Array Site 03	
AK04	Malin Array Site 04	
AK05	Malin Array Site 05	
AK06	Malin Array Site 06	
AK07	Malin Array Site 07	
AK08	Malin Array Site 08	
AK09	Malin Array Site 09	
AK10	Malin Array Site 10	
AK11	Malin Array Site 11	
AK12	Malin Array Site 12	
AK13	Malin Array Site 13	
AK14	Malin Array Site 14	
AK15	Malin Array Site 15	
AK16	Malin Array Site 16	
AK17	Malin Array Site 17	
AK18	Malin Array Site 18	
AK19	Malin Array Site 19	
AK20	Malin Array Site 20	
AK21	Malin Array Site 21	
AK22	Malin Array Site 22	
AK23	Malin Array Site 23	
AKBB	Malin Array Site BB	
MI28	Mi28,Pidlybu	
MI29	MI29, Kamyanyy Brid	
MI30	MI30,Zelenitsa	
NIKV	Nikolaev	
NDNU1	Nyshivtsy	
NIZO	Nyzhchyi-Ol'chedaiv	
NE56	Odesa	
PLTM	Poltava	
NE58	Poltava	
NDNU3	Rozkopintsy	
NDNU2	Shebutintsy	
NE55	Skvira	
RNPP9	Sopachiv	
RNPP5	Staryi Chortoryisik	
UZHM	Uzhgorod	
RNPP8	Varash	
United Kingdom		
Channel Islands		
JRS	Jersey	
JDC	Jersey Dam (Crest)	
JDG	Jersey Dam (Gallery)	
JLP	Les Platons	
JQE	Queens East	
JSA	Saint Aubin	
JVM	Valle D.L. Mare	
England		
HAE	Alders End	
XAL	Allendale	
AFH	Ashford Hill	
ABA1	Baconsthorpe	
BHM	Barham	
BATH	Bath	
BID	Bidston	
BMY	Bingley Moor	
KBI1	Birley Grange	
BKN	Blacknest	
HBL2	Bonnylands	
LBO	Bowland	
TBW	Brentwood	
BUW	Bucklebury West	
CBW1	Budock Water	
BUWY	Burn	
CCA1	Carnmenellis	
LCP	Cassop	
CWF	Charnwood Forest	
CHDUK	Cheddleton UK	
CLB	Chilbolton	
TCR	Colchester	
DCO	Combe Farm	
CCO1	Constantine	
LCK	Crook	
XDE	Dent Fell	
CDU1	Dunnerdale	
DUR	Durham	
AEU	East Anglia University	
TEB	Eastbourne	
EDMD	Edmundbyers	
ELSH	Elham, Standardhill Farm (Kent)	
HEX	Exmoor	
TFO1	Folkestone	
GDLE	Glaisdale, N Yorkshire Moors	
CGH1	Goonhilly	
HGH	Gray Hill	
GILD	Guildford	
CGW	Gweek	
HTL	Hartland	
SFH	Hasselmere	
HPK	Haverah Park	
HEA	Headley	
HMNX	Herstmonceux	
HHWY	High Hoyland	
LHO	Holmfirth	
SIW	Isle of Wight	
CKE	Keswick	
KESW	Keswick, Cumbria	
KEW	Kew	
KEY1	Keyworth	
KEY2	Keyworth	
LKL	Kirkby Lonsdale	
SKP1	Kophill	
LBWR	Ladybower, Peak District	

Code	*Station Name*	*Other*
LDU	Leeds University	
LVR	Liverpool	
LLO	Longridge	
LLY	Lytham Saint Anne's	
CMA1	Manaccan	
LMK	Market Rasen	
SMD	Mendips	
CME	Menerdue Farm	
MMY	Middlesmoor	
LMI	Millom	
LBH	Morecambe B102	
OLDB	Oldbury-Upon-Severn	
OMWY	Oxenhope Moor	
OXD	Oxford	
APAE	Packway	
CPZ	Penzance	
POE	Porton East	
POS	Porton South	
QMB	Queensbury	
LRN	Richmond	
CRQ	Rosemanowes	
CRQ2	Rosemanowes 2	
SBD	Saint Breward	
CSF	Scaffel	
SLPK	Sellapark	
TSA1	Sevenoaks	
SHT	Sharpitor	
SHID	Shide	
SCK	South Creake	
CSA1	St Austell	
CST1	Stithians	
STNC	Stoke	
STO	Stonyhurst	
SSW	Stow on the Wold	
STRD	Stroud	
SWN1	Swindon	
SWG	Swingate, Kent	
KSY	Syston	
BTA	Talkin	
KTG1	Tilbrook Grange	
KUF	Ufford	
SWK	Warminster	
KWE	Weaver Farm	
WACR	West Acre	
WBE	West Bromwich	
AWH	Whinburgh	
LWH	Whinny Nab	
AWI1	Witton	
WOL	Wolverton	
WON	Wolverton North	
DYA	Yadsworthy	
Northern Ireland		
CLGH	Cloghs, Cushendall	
GCL	Cushendall	
GMM	Mts of Mourne	
Orkney Islands		
OHO	Hoy	
OST	Stronsay	
OWE	Westray	
Scotland		
ABE	Aberdeen	
EAB	Aberfoyle	
KAC	Achnashellach	
MVH1	Achvaich	
KAR1	Arisaig	
EAU	Auchinoon	
EBH	Black Hill	
BBO1	Bothel	
OBR	Brabster	
EBL	Broad Law	
BBH	Bruntsheil	
RCR	Cape Wrath	
PCA1	Carrot	
GCD	Castle Douglas	
ECK	Cauldkaine Hill	
BCC1	Chapelcross	
MCD	Coleburn Distillery	
PCOU	Corrie	
BDL	Dobcross Hall	
MDO	Dochfour	
EDR	Drumtochty	
EDU	Dundee	
EDI	Edinburgh	
REB	Eisghbrachaidh	
EKG	Eskdalemuir	EKB
EKB	Eskdalemuir	
ESK	Eskdalemuir	
EKA	Eskdalemuir Array	
EKB1	Eskdalemuir Array Site B1	
EKB10	Eskdalemuir Array Site B10	
EKB2	Eskdalemuir Array Site B2	
EKB3	Eskdalemuir Array Site B3	
EKB4	Eskdalemuir Array Site B4	
EKB5	Eskdalemuir Array Site B5	
EKB6	Eskdalemuir Array Site B6	
EKB7	Eskdalemuir Array Site B7	
EKB8	Eskdalemuir Array Site B8	
EKB9	Eskdalemuir Array Site B9	
EKR1	Eskdalemuir Array Site R1	
EKR10	Eskdalemuir Array Site R10	
EKR2	Eskdalemuir Array Site R2	
EKR3	Eskdalemuir Array Site R3	
EKR4	Eskdalemuir Array Site R4	
EKR5	Eskdalemuir Array Site R5	
EKR6	Eskdalemuir Array Site R6	
EKR7	Eskdalemuir Array Site R7	
EKR8	Eskdalemuir Array Site R8	
EKR9	Eskdalemuir Array Site R9	
MFI	Fishrie	
RFO	Forsnaval	
EGL1	Gala Law	
EGL	Gala Law	
GAL1	Galloway	
PGBU	Glenifferbraes	
BHH	Howats Hill	
INVG	Invergeldie, Comrie	
KYL	Kyle	
MLA1	Latheron	
LEWI	Lewis, Hebrides	
LAWE	Loch Awe, Argyll & Bute	
LINV	Loch Inver, Assynt	
ELO	Logie Almond	
DRUM	Mains of Drumtochty	
MME1	Meikle Cairn	
PMSU	Muirshiel	
GMK	Mull of Kintyre	
KNR1	Nevis Range	
BNA	New Abbey	
NEWG	New Galloway	
POB1	Observatory	
KPL	Plockton	
ORE	Reay	
RRH	Rhenigidale	
RRR	Rubha Reidh	
RSC	Scourie	
KSK	Scoval	
KSB	Sheil Bridge	
XSO	Sourhope Farm	
ESY	Stoneypath	
RTO	Tolsta	
OTO	Tongue	
BIGH	Upper Bighouse, Forsinard	
BWH	Wardlaw	
Shetland Islands		
LRW	Lerwick	
LRWS	Lerwick	
SAN1	Sandwick	
SANU	Sandwick	
WALU	Walls	
WAL1	Walls	
YELU	Yell	
YEL1	Yell	
Wales		
BYB	Berrybush	
WBR	Bronaber	
SBD1	Bryn Du	
WPS	Cemaes, Anglesey	
WCB1	Church Bay	
HCG	Craig Goch	
WFB	Fairbourne	
FOEL	Foel Wylfa	
LPW	Lampeter	
YLL	Llanberis	
LLW	Llanuwychllyn	
WLC	Llyn Conwy	
WLF1	Llynfaes	
HLM1	Long Mynd	
MCH1	Michaelchurch	
MONM	Monmouth	
WME	Myndd Eilian	
HPE	Pembroke	
WPM1	Penmaenmawr	
YRH	Rhiw	
YRC	Rhoscolyn	
RSBS	Rosebush, Pembrokeshire	
SSP1	Stoney Pound	
WST	Stwlan	
HSA	Swansea	
HTR	Trewern Hill	
WVR	Vyrnwy	
YRE	Yr Eifl	
Valais		
GAM01	Gampel, Insieme Werkstaetten	
INDIAN OCEAN		
Australia		
Christmas Island		
XMIS	Christmas Island	
XMI	Christmas Island	
Cocos Islands		
CCK	Cocos Island	
COCO	West Island	
Heard Island		
HII	Heard Island	
Chagos Archipelago		
H08N1	Diego Carcia HYDROACOUSTIC SITE N1	
H08S1	Diego Carcia HYDROACOUSTIC SITE S1	
DGAR	Diego Garcia	
H08N2	Diego Garcia HYDROACOUSTIC SITE N2	
H08N3	Diego Garcia HYDROACOUSTIC SITE N3	
H08S2	Diego Garcia HYDROACOUSTIC SITE S2	
H08S3	Diego Garcia HYDROACOUSTIC SITE S3	
I52GB	DIEGO GARCIA INFRASONIC ARRAY REFERENCE POINT	
Cocos Islands		
I06AU	Cocos Islands	
France		
Amsterdam Island		
AIS	Amsterdam Island	
Crozet Islands		
CRZF	Crozet Islands	
H04N1	CROZET ISLANDS HYDROACOUSTIC SITE N1	
H04N2	CROZET ISLANDS HYDROACOUSTIC SITE N2	
H04N3	CROZET ISLANDS HYDROACOUSTIC SITE N3	
H04S1	CROZET ISLANDS HYDROACOUSTIC SITE S1	
H04S2	CROZET ISLANDS HYDROACOUSTIC SITE S2	
H04S3	CROZET ISLANDS HYDROACOUSTIC SITE S3	
Kerguelen Islands		
KCA	Cave	
I23FR	KERGUELEN INFRASONIC ARRAY REFERENCE POINT	
KCH	Monts Chateau	
PMK	Pointe Molloy	
PAF	Port-aux-Francais	
KPB	Port Bizet	
KPD	Port Douzieme	
Reunion		
PCR	La Plaine Cafres	
REU	Reunion Island	
RER	Riviere de l'Est	
Mauritius		
RODM	Citronelle, Rodrigues Island	
MRI	Mauritius Island	
MRIV	Mauritius Meteorological Services (Vacoas)	
ROCAM	Rodrigues Island Caves	
Seychelles		
SEY1	Mahe	
MSEY	Mahe Island	
SEYC	Seychelles	
South Africa		
Prince Edward Islands		
MIO	Marion Island	
Southern Indian Ocean		
DF02	SWIR Dragon Fly vent, OBS02	
DF03	SWIR Dragon Fly vent, OBS03	
DF04	SWIR Dragon Fly vent, OBS04	
DF05	SWIR Dragon Fly vent, OBS05	
DF06	SWIR Dragon Fly vent, OBS06	
DF07	SWIR Dragon Fly vent, OBS07	
DF08	SWIR Dragon Fly vent, OBS08	
DF09	SWIR Dragon Fly vent, OBS09	
DF10	SWIR Dragon Fly vent, OBS10	
DF13	SWIR Dragon Fly vent, OBS13	
DF14	SWIR Dragon Fly vent, OBS14	
DF15	SWIR Dragon Fly vent, OBS15	
DF16	SWIR Dragon Fly vent, OBS16	
DF17	SWIR Dragon Fly vent, OBS17	
DF20	SWIR Dragon Fly vent, OBS20	
DF21	SWIR Dragon Fly vent, OBS21	
DF22	SWIR Dragon Fly vent, OBS22	
DF23	SWIR Dragon Fly vent, OBS23	
NORTH AMERICA		
Aguascalientes		
AAIG	Aguscalientes	
Alaska		
L27K	Beaver Creek, Northway Junction	
P18K	Big Mountain, AK	
M19K	Big River Lodge, Big River	
N19K	Bonanza Creek NPS repeater	
Q19K	Cape Douglas, AK	
J26K	Charley River, AK	
CHNA	Chernabura Island	
CTG	Chitna Glacier	
CRQE	Cirque	
M27K	Edge Creek, AK	
L20K	Farewell, AK	
U35K	Hyder	
N18K	Kilae Creek	
O18K	Koktuh Hills	
H21K	Melozitna River	
R17L	Mt. Peulik Volcano	
M26K	Nabesna, AK	
H24K	Noodor Dome	
J20K	Nowinta River	
P19K	Oil Pt	
L22K	Petersville	
O19K	Port Alsworth	
P08K	Saint George Island	
J25K	Salcha River, AK	
O20K	Slope Mountain	
M20K	Styx River	
WAT1	Susitna Watana 1	
WAT6	Susitna Watana 6	
I21K	Tanana	
K20K	Telida	
L19K	White Mountain	
M22K	Willow	
H23K	Yukon River	
Arizona		
TLAX	Ej. Tlaxcala, Mexicali	
SALN	Salton City	
Baja California		
PCHMX	Agua Dulce, PCH	
DESMX	Alvarez, DES	
BAHB	Baha de los Angeles	
BAX	Bahia de los Angeles	
COMMX	Bataquez, COM	
BDSO	Brigada del Sol, Mexicali	
CANC	CAN	
CATC	CAT	
VIC1	Col Coahuila, VIC	
TRIMX	Col. Lazaro Cardenas, TRI	
CNA27	Comision Nacional del Agua 27	
COYCI	COY	
DI7	Delta	
DRETJ	Distrito Reforma Tijuana	
DUZA	Dulzura	
E1X	E1X	
E2X	E2X	
E3X	E3X	
E4X	E4X	
E5X	E5X	
E6X	E6X	
AGSX	Ej. Aguas Calientes	
JARAX	Ej. Heriberto Jara	
HJAMX	Ejido Choropo, HJA	
HDI	Ejido Heroes de la Independencia	
CPE2	Ejido Nueno Leon	
D09	Ejido Nuevo Leon	
CPSMX	Ejido Zacamoto, CPS	
OJOX	Ej. Ojos Negros	
PESCX	Ej. Pescaderos	
TAMA	Ej. Tamaulipas	
YUCAX	Ej. Yucat¡n	
NOVRB	El Novillo Sonora	
SFX1	Estrella, SFX	
FAIMX	FAI	
FRM2	Fiarum2 CEA PB3	
GUVIX	Guadalupe Victoria	
NE74	Guerrero Negro B.C.S	
CALMX	Heroes del Desierto, CAL	
CPNMX	Hidalgo, CPN	
CSOMX	Hidalgo, CSO	
GEOMX	Hidalgo, GEO	
HDFA	Hospital de la Familia	
HGTTJ	Hospital Gral. Tijuana	
ICBC	Inst. de Cultura de B.C.	
CORX	Isla Coronado	
K62	K62	
LAPR	La Primavera	
CPOMX	La Puerta, CPO	
RDCC	La Rosa de Castilla, RDC	
NE77	Loreto B.C.S	
LANMX	Los Malcriados, LAN	
LS01	LS01	
LS02	LS02	
LS03	LS03	
LS04	LS04	
LS05	LS05	
LS06	LS06	
LS07	LS07	
LS08	LS08	
LS09	LS09	
LS10	LS10	
LS11	LS11	
LS12	LS12	
LS13	LS13	
LS14	LS14	
MAYMX	MAY	
HGM	Mexicali	
CEA0	Mexicali	
MDOC	Michoac¡n de Ocampo	
PLMO	Planta Morelos	
PLATJ	Playas de Tijuana	
B11MX	Plaza Santa Maria, B11	
STMMX	Plaza Santa Maria, STM	
POT2	Potabilizadora Mexicali	
POTX	Potabilizadora X. Mexicali	
TKCNA	Presa El Carrizo, Tecate	
CNATK	Presa El Carrizo, Tecate	
CNAEN	Presa Emilio Lopez Z.	
LIDC	Puerta Blanca, LID	
ABEMX	Ramos, ABE	
RACA	Rancho agua Caliente	
ALAMX	Rancho Alamar	
RSLU	Rancho San Luis	
UAGRB	Rancho Ultima Agua, B.C.S	
MINMX	Rancho Viejo MIN	
CNALG	Represo Algodones	
RHX	Rio Hardy	
TCKMX	Roa, TCK	
FRM1	Rumorosa	
ERMX	Rumorosa	
D12	Saltilio Ejido	
SDMC	San Diego Mission Control	
EVAR0	San Evaristo	
SFQB	San Francisquito	
PRIMX	San Gabriel, PRI	
CNTR	San Joaquim	
NE79	San Jose del Viejo B.C.S	
SLGB	San Luis Gonzaga	
SNIRB	San Nicol¡s	
SQX	San Quintin	
SIVMX	Santa Isabel viejo, SIV	
SV2X	San Vicente	
SVX	San Vicente	
ESJX	Sierra Juarez	
SMGL	SMGL	
SPAC	SPA	
STCN	STCN	
TJX	Tijuana	
CNATJ	Tijuana	
PIPTJ	Tijuana	
AGUTJ	Tijuana	
SCAMX	Tres Palmas, SCA	
VTX	Valle De La Trinidad	
BMAMX	Venustiano Carranza, BMA	
CVIN	VIN	
YUX	Yurimuri	
CZAR	ZAR	
ZC01	Zona Comercial 1	
ZC06	Zona comercial 6	
British Columbia		
BAIB	Barry Inlet	
DI2B	Dawson Inlet	
H02S2	DAWSON INLET T-PHASE SITE S2	
FSJB	Fort St James	
GRIB	Gribbell Island, BC, CAN	
MBLB	Minette Bay Lodge, Kitimat, BC, Canada	
MGMB	Mountain Meager	
MYRA	Myra Falls	
NCSB	Newcastle Ridge	
PABB	Port Alberni	
PTRF	Port Renfrew	
QEPB	Queen Elizabeth Park	

Code	*Station Name*	*Other*
SYMB	Survey Mountain	
TAHB	Tahsis	
TXDB	Texada	
TOAD	Toad River Community Hall	
VDEB	Vedder Mountain	
California		
AUSC	Austin Creek State Park	
AVNL	Avenal, CA USA	
BJES	Bald Jesse, CA USA	
BCCR	Big Chico Creek Reserve, CA USA	
BLUE	Blue Mountain, Wilseyville, CA USA	
BONV	Boonville, CA	
BR2MX	Brawley, BR2	
BRIC	Briceland Vineyards, California	
BUCR	Buckhorn Ranch, CA USA	
CERS	Ceres, CA, USA	
YUBA	Cisco Grove, Yuba Pass, CA USA	
COK2	Cook Ranch 2	
DCMP	DeCamp, California	
DLIK	Deer Lick Knob, Platina, CA USA	
DMOR	Dinsmores, CA USA	
EAGL	Eagle Lake Youth Camp, Lassen County, CA USA	
HULI	Fort Hunter Liggett, Jolon, California	
FJIM	Fort Jim, California USA	
FORD	Fort Ord Natural Reserve, California	
GALB	Galbreath Wildlands Preserve SSU	
WINE	Golden State Vinters, Fresno, CA USA	
IMPE	Imperial	
INGLE	Inglenook, Smith Ridge	
TULE	Intermountain REC, Tulelake, California	
JEPS	Jepson Natural Reserve, California	
JUEM	Julian Eagle Mine	
KARE	Kearney REC, California	
LEGD	La Grand CA	
LAND	Landels Hill-Big Creek Natural Reserve, California	
LCUV	Le Cuvier	
LCOW	Little Low Creek, Bella Vista, CA USA	
MATG	Mataguay Scout Camp, California	
MERC	Merced, CA USA	
MTRP	Mission Trails Regional Park	
MOGU	Montague, CA	
MTOS	Mt Oso, Westley, California	
SOLD	Mt. Soledad, San Diego	
OAKV	Oakville Experimental Vineyard	
OLP	Otay Lakes Park	
BABI	Panoche/Babies Gulch CA	
PETL	Petrolia	
PINL	Point Pinole Regional Park (East Bay Regional Park) California	
QRDG	Quail Ridge Natural Reserve, California	
RVIT	Round Valley Indian Tribe	
RUSS	Russell Ranch	
WUNP	San Ardo, CA	
SFRE	Sierra Foothill REC, California	
SIGP	Signal Peak, CA USA	
SLH	Sleepy Hollow	
CPE1	Sorrento Valley	
SU2	Superstition Mountain	
TOLH	Tollhouse, CA USA	
TWIT	Twitchell Island	
AONC	Vina, CA USA	
WEAV	Weaverville	
WELL	Weller Preserve, CA USA	
WEMD	Westmorland, California	
WSRE	Westside REC, California	
MNDO	Woodland Fire Station, Mendocino	
YUH2	Yuha Desert	
Campeche		
LADR	Batey Laura esc	
Canada		
Alberta		
ATHA	Athabasca	
BDMTA	Bald Mountain Lookout Tower, Alberta	
BAN	Banff	
DCA2	Baytree	
BRGNA	Bergen	
BRLDA	Berland Lookout Tower, Alberta	
DCA1	Bonanza	
CLM	Coleman	
DCA3	Cotillion Park	
EDM	Edmonton	
ELD	Ethyl Lake Duckett	
FSMA	Fort Smith	
HILA	High Level	
HSPGA	Hill Springs, Alberta	
JP-AT	Jasper	
JP-	Jasper	JP-AT
KV-	Keg River	KV-AT
KV-AT	Keg River	
LGPLA	Lodgepole	
MANA	Manning	
MEDA	Medicine Hat	
MKRVA	Milk River, Alberta	
PRDA	Priddis	
RAYA	Raymond Alberta	
RDEA	Red Earth Creek	
STPRA	Salt Prairie Lookout Tower, Alberta	
SES	Suffield	
SWHSA	Sweathouse Lookout Tower, Alberta	
TMDA	Turtle Mountain	
WAPA	Wapiti River	
WALA	Waterton Lakes	
WS-AT	Waterways	
WS-	Waterways	WS-AT
WTMTA	White Mountain Lookout Tower, Alberta	
ORGA		
British Columbia		
HM-BC	100 Mile House	
ALB	Alberni	
ALRB	Anaheim Lake	
ANMB	Anmore	
A07A	Ashnola River, Keremeos	
P32M	Atlin	
ATLB	Atluck Lake	
ATC	Attachie	
BFSB	Bamfield	
B928	Bamfield	
BMSB	Bamfield Marine Station	
BNKB	Banks Island	
BPCB	Bare Point	
NCBC	Barkley Canyon	
BNB	Barry Inlet	
BBB	Bella Bella	
BCBC	Bella Coola	
BDBC	Bennett Dam	
BLBC	Blue River	
WGB	Blue River	
T35M	Bob Quinn	
BQB	Bob Quinn Lake	
BNAB	Bonilla	
BIB	Bowen Island	
BPBC	Brooks Peninsula	
BPEB	Brooks Peninsula	
BMTB	Bullhead Mountain	
BMBC	Bull Mountain	
BUTB	Butedale	
BTB	Buttle Lake	
CK-	Cache Creek	CK-BC
CK-BC	Cache Creek	
CLSB	Cack Lake	
CBB	Campbell River	
SJB	Cape Saint James	
STJA	Cape St.James	
CPLB	Carmanah Point Lighthouse	
AHCB	Chemainus	
CTC	Chetwynd	
A06A	Chilliwack	
CLVB	Cleveland Dam	
COQB	Coquitlam Dam	
CLRS	Cowichan Lake Research St	
CWB	Cumshewa	
CCC	Cusp Creek	
DAWS	Dawson Inlet	
DIB	Dawson Inlet, BC	
H02S1	DAWSON INLET T-PHASE SITE S1	
DLB	Dease Lake	
DLBC	Dease Lake	
DPRB	Downie Pk Ridge	
DOWB	Downie Slide	
EDB	Eliza Dome	
ENGB	English Bluff	
ETB	Estevan Point	
FHBB	Fair Harbour	
FHRB	Fair Harbour	
FRC	Federal Ranch	
FRN	Fernie	
FNC	Finlay Fork	
FLLB	Fletcher Lake Big Creek, BC	
FKBC	Forrest Kerr	
FT-BC	Fort McLeod	
FT-	Fort McLeod	FT-BC
FNBC	Fort Nelson	
FNBB	Fort Nelson	
FNSB	Fort Nelson	
FL-	Fort Nelson	FL-BC
FL-BC	Fort Nelson	
FSB	Fort Saint James	
FSJ	Fort Saint James	
FCBC	Franklin Camp	
GOBB	Galiano Island	
GOB	Galiano Island	
GDR	Gold River	
GSTB	Goldstream Park	
VGZ	Gonzales	
GOWB	Gowlland Point	
GRNB	Grenville Island	
HNBB	Haney	
HNB	Haney	
HYC	Haney	
HLSB	Harrison Lake South	
HRMB	Harrison Mills	
HWKB	Hawksbury Island	
HBDB	Hayseed and Buckwheat Dairy Farm	
HOLB	Holberg	
HOPB	Hope	
HBC	Horseshoe Bay	
HG3B	Hotspring	
HG4B	Hotspring	
HM-	Hundred Mile H.	HM-BC
JEDB	Jedway, Haida Gwaii	
R33M	Jennings River	
JRBB	Jordan River	
KANO	Kano Inlet	
KELB	Kelsey	
KBB	Kelsey Bay	
KLNB	Kelsey New	
KITB	Kitimat	
LIB	Langara Island	
LR9	Liard River	
LIRD	Liard River Highway Maintenance Camp	
LLL	Lillooet	
LLLB	Lillooet	
MABC	Malibu	
SHDB	Maple Bay	
MASB	Masset	
MSTB	Masset	
MAYB	Maynard	
MGCB	McGee Creek	
ME-	Merritt	ME-BC
ME-BC	Merritt	
B926	Mesachie Lake	
MCE	Mica Creek	
MCC	Mica Creek	
MCMB1	Michelle Canyon Maxwell	
HDG10	Mitchell Dam	
HG1B	Mitchell Dam	
MOBC2	Moresby, Haida Gwaii	
MOBC	Moresby Island	
MNB	Mounoet Dainard	
FALL	Mountain Creek	
CARB	Mount Cartier	
MGRB	Mount Grey	
MGB	Mount Grey	
LZB	Mount Lazard	
OZB	Mount Ozzard	
THOB	Mount Thompson	
MWAB	Mount Washington	
MUB	Muncho Lake	
NDB	Naden	
Q32M	Nakina River	
NAB	Nanaimo	
NLLB	Nanaimo Lost Lake,BC	
GHNB	Nanoose	
NCEN	NEPTUNE Canada Endeavour node	
KEBB	NEPTUNE Canada Endeavour West	
NCHR	NEPTUNE Canada High Rise	
KEMF	NEPTUNE Canada Main Field	
KEMO	NEPTUNE Canada Mothra	
NCRB	Newcastle Ridge	
NTKA	Nootka	
NBC1	NorthernBC 1	
NBC2	NorthernBC 2	
NBC3	NorthernBC 3	
NBC4	NorthernBC 4	
NBC5	NorthernBC 5	
NBC6	NorthernBC 6	
B011	North Saanich	
B009	North Saanich	
B010	North Saanich	
OFB	Ocean Falls	
NC27	ODP1027	
NC89	ODP889	
PA01	PA01 North	
PA02	PA02 Ocean	
PA03	PA03 Flamable	
PA04	PA04 Cage	
PA05	PA05 Willingdon	
PA12	PA12 Sannich	
SHVB	Paradis Home	
HGPB	Parks Canada Compound	
PMB	Pemberton	
PIB	Pender Island	
PNT	Penticton	
PPC	Pine Pass	
PIMB	Pitt Meadows	
PLBC	Pleasant Camp	
B927	Port Alberni	
PACB	Port Alice, BC	
PCLB	Port Clements	
PCB	Port Clements	
PHC	Port Hardy	
PFB	Port Renfrew	
PG2BC	Prince George	
PG-BC	Prince George	
PG-	Prince George	PG-BC
RUBB	Prince Rupert	
RUB	Prince Rupert	
PD-	Princeton	PD-BC
PD-BC	Princeton	
QCC	Queen Charlotte	
QN-	Quesnel	QN-BC
QN-BC	Quesnel	
SLEB	Sale Mountain	
SSIB	Saltspring Island	
SSQ	Sandspit	
SNB	Saturna Island	
SHB	Sechelt	
SHPB	Sharp Point	
CLAP	Shields Creek	
PGC	Sidney	
SILB	Sidney Island	
HGSB	Sid's House	
SKB	Skidegate	
SI-	Smithers	SI-BC
SI-BC	Smithers	
SOKB	Sooke	
SPLB	Strathcona Park Lodge	
SURV	Survey Creek	
TABB	Tabernacle Mountain	
TSUB	Tasu	
TSB	Tasu	
TALB	Tatla Lake BC	
TLCB	Telegraph Cove	
S34M	Telegraph Creek	
TCBC	Telegraph Creek	
TFRB	Telus,Franklin R.	
TXB	Texada	
THMB	Thunder Mountain BC	
TWBB	Timber West Blakeney	
TWGB	Timber West Granite	
TWKB	Timber West Koksilah	
TSJB	Timber West San Juan	
TOFB	Tofino	
B012	Ucluelet	
EPMB	Univ. Columbia	
UBRB	Upper Baezaeko River	
SULB	Vanderhoof	
VIB	Van Inlet	
H02N1	VAN INLET T-PHASE SITE N1	
VDB	Vedder Mountain	
VIC	Victoria	
KHVB	Wang Home	
WPB	Watts Point	
WHB	Whistler	
WSLR	Whistler	
WTRB	White River	
WKB	White Rock	
WK-	Williams Lake	WK-BC
WK-BC	Williams Lake	
P29M	Windy Craggy	
WCBC	Windy Craggy	
WOSB	Woss	
QURY	Yakoun River	
PHYB	Yellowpoint	
YOUB	Youbou, Lake Cowichan	
Gulf of St. Lawrence		
MADG	Magdalen Islands	
NATG	Natashquan Quebec	
Manitoba		
CH-	Churchill	CH-MT
CH-MT	Churchill	
EB-MT	East Braintree	
EB-	East Braintree	EB-MT
FCC	Fort Churchill	
ULM	Lac du Bonnet	
I10CA	LAC DU BONNET INFRASONIC ARRAY REFERENCE POINT	
PWM	Pinawa	
New Brunswick		
BATG	Bathurst New Brunswick	
BOIN	Boiestown	
LMN	Caledonia Mountain	
ER218	Early Rise 218	
ER219	Early Rise 219	
ER220	Early Rise 220	
ER221	Early Rise 221	
ER222	Early Rise 222	
ER223	Early Rise 223	
ER224	Early Rise 224	
ER225	Early Rise 225	
ER226	Early Rise 226	
ER227	Early Rise 227	
ER228	Early Rise 228	
ER229	Early Rise 229	
ER230	Early Rise 230	
EBN	Edmundston	
EDMN	Edmundston, New Brunswick	
ELNB	Elgin, New Brunswick	
HANN	Hanwell	
HKNB	Havelock Quarry	
HSNB	Heath Steele Mine	
MCA2	McAdam 2	
MCA3	McAdam 3	
MCA4	McAdam 4	
KLN	McKendrick Lake	
MINB	Miramichi	
GGN	Saint George	
SRNB	Snider Mountain Ranch	
SVNB	Stilesville Quarry	
UNB	University of New Brunswick	
WCNB	Wards Creek	
Newfoundland		
CODG	Codroy Newfoundland	
CBK	Corner Brook	
DRLN	Deer Lake	
MKVL	Makkovik	
NANL	Nain	
NWRL	North West River	
PKN	Parkers Pond	
STJN	Saint John's	
SJNN	Saint John's	
STJ	Saint John's	
WABN	Wabush	
WBHL	Wabush	
Northwest Territories		
ACKN	Achilles Lake	
ALE	Alert	
AP3N	Apex site 3 Nunavut	
BLC	Baker Lake	
BOXN	Box Lake	
CBAR	Cambridge Bay Array Beam Reference Point	
CB01	Cambridge Bay Array Site 1	
CB11	Cambridge Bay Array Site 11	
CB12	Cambridge Bay Array Site 12	
CB13	Cambridge Bay Array Site 13	
CB14	Cambridge Bay Array Site 14	
CB15	Cambridge Bay Array Site 15	
CB16	Cambridge Bay Array Site 16	
CB17	Cambridge Bay Array Site 17	
CB18	Cambridge Bay Array Site 18	
CB19	Cambridge Bay Array Site 19	
CB02	Cambridge Bay Array Site 2	
CB03	Cambridge Bay Array Site 3	
CB31	Cambridge Bay Array Site 31	CBAR
CB32	Cambridge Bay Array Site 32	
CB33	Cambridge Bay Array Site 33	
CB34	Cambridge Bay Array Site 34	
CB35	Cambridge Bay Array Site 35	
CB04	Cambridge Bay Array Site 4	
CB05	Cambridge Bay Array Site 5	
CB06	Cambridge Bay Array Site 6	
CB07	Cambridge Bay Array Site 7	
CB08	Cambridge Bay Array Site 8	
CB09	Cambridge Bay Array Site 9	
CAMN	Camsell Lake	
CDKN	Chidliak Camp Nunavut	
CLVN	Colville Lake	
COWN	Contwyoto Lake 2	
COKN	Cook Lake	
CMC	Coppermine	
CMBN	Cumberland Camp Nunavut	
DHRN	Dharma Camp	
DVKN	Diavik Mine	
DSMN	Discovery Mine	
EDZN	EDZO	
EKTN	Ekati Mine	
FST1	Fort Simpson	
FST	Fort Simpson	

Code	*Station Name*	*Other*
FBN	Frobisher Bay	FRB
FRB	Frobisher Bay	
FBC	Frobisher Bay	
GDLN	Gardenia Lake, NWT	
GIFN	Gifford Fjord, Baffin Island, Nunavut	
GLWN	Glow Worm Lake	
GBLN	Grizzly Bear Lake	
HPLN	Hepburn Lake, NWT	
HFRN	Hoarfrost River	
HMNT	Holman	
IGLN	Igloolik	
IGL	Igloolik	
ILON	Igloolik, Nunavut	
IHLN	Indian Hill Lake	
INK	Inuvik	
JERN	Jeri Cho Mine, NWT	
KNDN	Kennady Lake	
KUKN	Kugluktuk,NWT	
LDGN	Lac de Gras North	
LGSN	Lac de Gras South	
LAIN	Lailor River, Nunavut	
LDBN	Lake De Bois	
LUPN	Lupin Mine	
MCKN	MacKay Lake North	
MGTN	Margaret Lake	
MLON	Marlo Lake	
MRYN	Mary River	
NP-NT	Mould Bay	
MBC	Mould Bay	
YKAB1	New Yellowknife Blue 1	
YKAB0	New Yellowknife Blue 10	
YKAB2	New Yellowknife Blue 2	
YKAB3	New Yellowknife Blue 3	
YKAB4	New Yellowknife Blue 4	
YKAB6	New Yellowknife Blue 6	
YKAB7	New Yellowknife Blue 7	
YKAB8	New Yellowknife Blue 8	
YKAB9	New Yellowknife Blue 9	
YKAR1	New YK Array red 1	
YKAR2	New YK Array red 2	
YKAR3	New YK Array red 3	
YKAR4	New YK Array red 4	
YKAR5	New YK Array red 5	
YKAR6	New YK Array red 6	
YKAR7	New YK Array red 7	
YKAR8	New YK Array red 8	
YKAR9	New YK Array red 9	
NPT	Nicholson Point	
NODN	Nodinka Narrows	
NOWN	Norman Wells, NWT	
NP-	North Pole	NP-NT
QILN	Qililugaq Exploration Camp	
YRTN	Rankin Inlet	
RES	Resolute Bay	
ROMN	Roman Lake	
SWT	Sachs Harbour	
SXT	Sachs Harbour	
SNLN	Sandy Lake, NWT	
SRLN	Sarcpa Lake, Nunavut	
SMPN	Simpson Lake	
SNPN	Snap Lake	
F31M	Tsiigehtchic	
TKT	Tuktoyaktuk	
TUK	Tuktoyaktuk	
WAGN	Wager Bay	
WHFN	White Fish Lake	
YMBN	Yamba Lake	
YNEN	Yamba Lake Northeast	
YKC	Yellowknife	
RSNT	Yellowknife	
YKR8	Yellowknife Ar.	YKB5
YKR0	Yellowknife Array	
YKA	Yellowknife Array Beam Reference Point	
YKB0	Yellowknife Array Site B0	
YKB1	Yellowknife Array Site B1	
YKB2	Yellowknife Array Site B2	
YKB3	Yellowknife Array Site B3	
YKB4	Yellowknife Array Site B4	
YKB6	Yellowknife Array Site B6	
YKB7	Yellowknife Array Site B7	
YKB8	Yellowknife Array Site B8	
YKB9	Yellowknife Array Site B9	
YKR1	Yellowknife Array Site R1	
YKR2	Yellowknife Array Site R2	
YKR3	Yellowknife Array Site R3	
YKR4	Yellowknife Array Site R4	
YKR5	Yellowknife Array Site R5	
YKR6	Yellowknife Array Site R6	
YKR7	Yellowknife Array Site R7	
YKR9	Yellowknife Array Site R9	
YKB5	Yellowknife Array Sites B5 and R8	
YKW1	Yellowknife Array Site W1	
YKW2	Yellowknife Array Site W2	
YKW3	Yellowknife Array Site W3	
YKW4	Yellowknife Array site W4	
NorthWest Territories		
C36M	Paulatuk	
A36M	Sachs Harbour	
Nova Scotia		
CHEG	Cheticamp, Nova Scotia	
ER231	Early Rise 231	
ER232	Early Rise 232	
ER234	Early Rise 234	
ER235	Early Rise 235	
ER236	Early Rise 236	
ER237	Early Rise 237	
ER238	Early Rise 238	
ER239	Early Rise 239	
ER241	Early Rise 241	
ER242	Early Rise 242	
GBN	Guysborough	
HAL	Halifax	
MALG	Malagash, Nova Scotia	
SABG	Sable island	
Nunavut		
ARVN	Arviat, NU	
B1NU	Baffin Island 1	
B2NU	Baffin Island 2	
BLKN	Baker Lake	
YBKN	Baker Lake, Hudson Bay	
BULN	Bullion Camp, Hudson Bay	
CLRN	Clyde River	
EUNU	Eureka	
SEDN	First Sedna Site,Hudson Bay	
GFNU	Grise Fiord	
KUGN	Kugaaruk Camp, Nunavut	
MCMN	McManaman Lake, Nunavut	
NUNN	Nunuq Camp, NU	
PINU	Pond Inlet	
JOSN	Second Sedna Site,Hudson Bay	
SMLN	Simpson Lake, Nunavut	
STLN	Stellar Camp, Hudson Bay	
SBNU	Taloyoak	
Ontario		
OT001	1031 Sheenboro Crescent, Ottawa	
OT002	1514 Bourcier, Ottawa	
OT004	16, Winslow Court, Ottawa	
OT008	2758 Massicotte Lane, Ottawa	
OT012	7 Observatory Cres., Ottawa	
OT006	959, Brant, Ottawa	
ACTO	Acton	
ALFO	Alfred	
AFO1	Alfred	
AFO2	Alfred	
ALGO	Algonquin Park	
F51A	Arnstein	
BASO	Ashfield	
ATKO	Atikokan Iron Mine	
BANO	Bancroft	
D49A	Beulah Township	
OTBB	Blackburn lab bldg12	
H53A	Bobcaygeon	
BRPO	Bonnechere River Park	
BRCO	Bruce Peninsula	
BUKO	Buck Lake	
BUO	Burlington	
RD01	Burlington	
G55A	Calabogie	
OTNM	Canadian Museum of Nature	
CLPO	Centennial Lake Park	
CHRO	Chalk River	
CKO	Chalk River	
CRLO	Chalk River	
D47A	Chapleau	
CFO	Chats Falls	
CLWO	Collingwood	
DSNO	Creighton Mine,Sudbury	
SSNO	Creighton Mine,Sudbury	
DAN	Dane	
DREO	Darlington East Ontario	
DRWO	Darlington West	
DLA	Delaware (Ont)	
DELO	Deloro Mine	
KB5O	Diamondview Rd.	
KB4O	Donald B. Munro Dr,	
DVO	Downsview	
ER101	Early Rise 101	
ER102	Early Rise 102	
ER103	Early Rise 103	
ER104	Early Rise 104	
ER105	Early Rise 105	
ER106	Early Rise 106	
ER107	Early Rise 107	
ER108	Early Rise 108	
EFO	Effingham	
EEO	Eldee	
H56A	Elgin	
ELF	Elginfield	
ELFO	Elginfield	
ELLO	Elliot Lake	
ELGO	Elora Gorge	
ES-ON	Espanola	
ES-	Espanola	ES-ON
F48A	Evansville	
EPLO	Experimental Lakes	
FHO	Fitzroy Harbor	
I55A	Frankford	
E51A	G1948 Merrick Township	
D50A	G1974 Best Township, ON	
GTO	Geraldton	
OTGH	Glebe high school	
KB3O	Grant Side Rd.	
HGVO	Hagersville	
HSMO	Haileybury School of Mines	
G53A	Haliburton	
HML	Hamilton	
HUO	Hudson	
K51A	Iona Station	
E47A	Iron Bridge	
KB2O	John Shaw Road	
KB6O	John Shaw Road, remote	
KAPO	Kapuskasing	
KAO	Kapuskasing	
KASO	Kasabonika Lake, First Nations Ontario	
KLBO	Killbear Provincial Park	
KGNO	Kingston	
L50A	Kingsville	
KLC	Kirkland Lake	
KLO	Kirkland Lake	
KILO	Kirkland Lake	
I53A	Kortright Cn Earth Rangers Ctr, Woodbridge	
LDIO	Lac des Isle Mine	
LHC	Lakehead University	
G54A	Lake Saint Peter	
LINO	Lindsay	
I51A	Listowel	
E48A	Lockeyer	
LND	London (Ont)	
LDN	London (Ont)	
MADO	Madoc	
E52A	Mattawa	
MW-	Mattawa	MW-ON
MW-ON	Mattawa	
MALO	McAlpine Lake	
BMRO	Meriville Lake	
MSNO	Moosonee Ontario	
RD03	Mount Hope	
MPPO	Murphy's Point	
MUMO	Musselwhite Mine	
NANO	Nakina Ontario	
NSKO	Neskantaga (Lansdowne House)First Nations Ontario	
G57A	Newington	
OTWM	No. 579 Westminster Ave.	
ORHO	Orleans, Heritage Park	
ORIO	Orleans, Innes Road, Ontario	
OT011	OT011	
OTT	Ottawa	
OTRO	Otter Rapids	
J52A	Paris	
D48A	Paudash Township	
PLIO	Pelee Island, Stone Alvar Conservation Area	
PEMO	Pembroke	
PKRO	Pickering	
PKLO	Pickle Lake	
PLVO	Plevna	
PTCO	Port Colborne	
PECO	Prince Edward County	
PNPO	Pukaskwa National Park	
RDLO	Red Lake	
RSON	Red Lake	
RLKO	Red Lake	
RK-	Red Lake	RK-ON
RK-ON	Red Lake	
RSPO	Restoule Provincial Park	
KB1O	Rock site, Kinburn Side Road	
SADO	Sadowa	
STCO	Saint Catharines	
F49A	Sandfield	
SL-ON	Sault Sainte Marie	
SL-	Sault Ste Marie	SL-ON
D46A	Sault St. Marie	
SCB	Scarborough	
I52A	Shelburne	
SXO	Sioux Lookout	
SOLO	Sioux Lookout	
SOO	Sioux Lookout	
DRCO	St. Marys Cement	
RD04	Stoney Creek	
SUBO	Sudbury	
SUD	Sudbury	
SUO	Sudbury	
SWO	Sudbury	
SZO	Sudbury	
SWXO	Sudbury	
SUNO	Sudbury Onaping	
F52A	Sundridge	
SILO	Sutton Inlier	
TBO	Thunder Bay	
K52A	Tillsonburg	
TIMO	Timmins Ontario	
TOBO	Tobermory, Bruce Peninsula National Park	
TNT	Toronto	
TORO	Toronto--Leslie Street Spit	
H55A	Tweed	
TYNO	Tyneside	
UWOO	University of Western Ontario	
VIMO	Victor Mine	
E50A	Wahnapitae	
BWLO	Walkerton	
RD02	Waterdown	
WEO	Welcome	
WLVO	Wesleyville	
WBO	Williamsburg	
WNR	Windsor	
H52A	Wyevale	
Prince Edward Island		
HC1P	summerside station 1	
HC2P	summerside station 2	
HC3P	summerside station 3	
HC4P	summerside station 4	
TIGG	Tignish, PEI	
Quebec		
AKVQ	Akulivik	
YOSQ	Ashton Mining of Canada property	
CNQ	Baie Comeau	
BJBQ	Baie Johan-Beetz	
BSPQ	Baie-St-Paul	
BLBQ	Baie-St-Paul	
BECQ	Becancour	
BELQ	Belleterre	
BCLQ	Boischatel	
BU-QB	Buckingham	
BU-	Buckingham	BU-QB
CBRQ	Cabonga Reservoir	
CACQ	Cacouna	
CHQ	Charlesbourg	
D58A	Chemin du LacGrosbois, Trois-Rives	
E57A	Chemin Saint Guillaume, Saint Donat	
D57A	Chemin Vers le Barrage, Saint-Michel-Des-Saints	
CHGQ	Chibougamau	
CIQ	Chicoutimi	
CHIQ	Chicoutimi-Nord	
G59A	Clarenceville	
SMQ	Clarke City	
DMCQ	Dolbeau-Mistassini	
E53A	Dumoine, Pontiac MRC	
ER109	Early Rise 109	
ER110	Early Rise 110	
ER111	Early Rise 111	
ER112	Early Rise 112	
ER113	Early Rise 113	
ER114	Early Rise 114	
ER115	Early Rise 115	
ER116	Early Rise 116	
ER117	Early Rise 117	
ER118	Early Rise 118	
ER119	Early Rise 119	
ER120	Early Rise 120	
ER201	Early Rise 201	
ER202	Early Rise 202	
ER203	Early Rise 203	
ER204	Early Rise 204	
ER205	Early Rise 205	
ER207	Early Rise 207	
ER208	Early Rise 208	
ER209	Early Rise 209	
ER210	Early Rise 210	
ER211	Early Rise 211	
ER212	Early Rise 212	
ER213	Early Rise 213	
ER215	Early Rise 215	
ER216	Early Rise 216	
ER217	Early Rise 217	
GASG	Gaspe, Quebec	
LNGQ	Gaz Metro	
GNT	Gentilly	
GAC	Glen Almond	
GRQ	Grand Remous	
GWR	Great Whale R.	PBQ
GWC	Great Whale River	
GSQ	Grosses Roches	
F57A	Harrington	
HTQ	Hauterive	
HMC	Holland Mills	
INUQ	Inukjuak	
IVKQ	Ivujivik	
KAJQ	Kangiqsualujjuaq	
KNGQ	Kangiqsujuaq	
KRSQ	Kangirsuk	
MLQ1	Kipawa	
KIPQ	Kipawa,Quebec	
KJKQ	Kuujjuarapik	
KUQ	Kuujjuuaa	
E54A	Lac Daplat, Pontiac, MRC	
LDAQ	Lac Daran	
DAQ	Lac Daran	
DHLQ	Lac-des-Plages	
E61A	Lac Etchemin	
D54A	Lac Fusel, La Vallee-de-La-Gatineau	
LSQ1	Lac Sinclair, Quebec	
D53A	Lac Vacive, Pontiac, Mrc	
LBQ	La Grande	
LAQ	La Grande	
LGQ	La Grande	
LDQ	La Grande	
LCQ	La Grande	
LTQ	La Grande	
LRQ	La Grande 3	
JCQ	La Grande 3	
JBQ	La Grande 3	
JAQ	La Grande 3	
LXQ	La Grande 3	
LQQ	La Grande 4	
KCQ	La Grande 4	
LG4Q	La Grande 4	
KBQ	La Grande 4	
KAQ	La Grande 4	
LMBQ	La Malbaie	
LMQ	La Malbaie	
POC	La Pocatiere	
LPQ	La Pocatiere	
LRQ1	La Romaine 2 Dam	
LRQ2	La Romaine 2 Dam Dyke F2,	
LATQ	La Tuque	
E58A	La Victoria	
LSQQ	Lebel-sur-Quevillon	
D51A	Lot 18 Range III Mazenod Township	
MNQ	Manicouagan	
MIQ	Maniwaki	
G60A	Masonville	
MATQ	Matagami	
MRBQ	Mirabel	
A54	Misere	
E55A	Montcerf-Lytton	
MOQ	Mont Orford	
MNT	Montreal	
MNTQ	Montreal, Quebec	
TRQ	Mont Tremblant	
MRNQ	Morin Heights	
MRHQ	Morin Heights	
MGDQ	Mulgrave and Derry, QC.	
NEMQ	Nemaska	
NMSQ	Nemaska Station	
G58A	Ormstown	
F55A	Otter Lake	
ICQ	Pointe Anglais	
PBQ	Poste Baleine	
QCL	Quebec	QBC
QCQ	Quebec	QBC
QBC	Quebec	
RIMQ	Rimouski	
RDLQ	Riviere-du-Loop	
A16	Riviere Ouelle	
ROUQ	Riviere-Ouelle	
A21	Saint Andre	
SADQ	Saint-Augustin-de-Desmaures	
D55A	Sainte-Anne-du-Lac	
SNFQ	Sainte-Felicite	
A61	Sainte Mathilde	
STFQ	Sainte-Ursule	
STUQ	Sainte-Ursule	
F59A	Saint Guilaume	
SHQ	Saint-Hilarion	
DPQ	Saint Jean	
D60A	Saint Jean D'Orleans	
SLQ	Saint Louis du Ha Ha	
D59A	Saint-Raymond	
A11	Saint Roch-des-Aulnaies	
A64	Saint Simeon	
SNKN	Sanikiluaq	
SNQN	Sanikiluaq	
SAKN	Sanikiluaq	
SV2QB	Schefferville	
SV2	Schefferville	SV2QB
SV3	Schefferville	SV3QB
SCHQ	Schefferville	
SCH	Schefferville	
SV3QB	Schefferville	
SFA	Sept-Chutes	
SIC	Sept Iles	
SHF	Shawinigan Falls	
LDSQ	Shawville	
SBQ	Sherbrooke	
SO-	Sorel	SO-QB
SO-QB	Sorel	
SANQ	St-Andre-du-Lac-St-Jean	
D61A	St Aubert, Comte d'Islet	
E60A	Ste Agathe de Lotbiniere,	
SJUQ	Ste-Julie	
SELQ	St-Eleuthere	
F61A	St Evariste	
SGRQ	St-Georges	
G61A	St-Isidore-de-Clifton	
F58A	St-Lin Laurentide	
SLBQ	St-Lucie-de-Beauregard	
SMCQ	St-Marc-des-Carrires	
E59A	St. Maurice	
STOQ	Stoneham	
STPQ	St-Pascal	

Code	*Station Name*	*Other*
E56A	St. Veronique	
TADQ	Tadoussac	
JBBQ	Temiscaming	
MLQ2	Temiscaminque	
TMK	Temiskaming	
VABQ	Val Des Bois	
VDBQ	Val-des-Bois,QC	
VLDQ	Val d'Or	
VALQ	Val d'Or	
VDQ	Val d'Or	
VMC	Ville Marie	
F60A	Warwick	
WEMQ	Wemindji, Quebec	
D56A	ZEC Mazanza, Mont-Saint-Michel	
D52A	ZEK Kipawa Senerzegues Township	
Saskatchewan		
BGUS	Bergheim	
BMS	Big Muddy Lake	
FFC	Flin Flon	
FLAR	Flin Flon Array Beam Reference Point	
FL01	Flin Flon Array Site 1	
FL10	Flin Flon Array Site 10	
FL11	Flin Flon Array Site 11	
FL12	Flin Flon Array Site 12	
FL13	Flin Flon Array Site 13	
FL14	Flin Flon Array Site 14	
FL15	Flin Flon Array Site 15	
FL16	Flin Flon Array Site 16	
FL17	Flin Flon Array Site 17	
FL18	Flin Flon Array Site 18	
FL02	Flin Flon Array Site 2	
FL03	Flin Flon Array Site 3	
FL31	Flin Flon Array Site 31	
FL04	Flin Flon Array Site 4	
FL05	Flin Flon Array Site 5	
FL06	Flin Flon Array Site 6	
FL07	Flin Flon Array Site 7	
FL08	Flin Flon Array Site 8	
FL09	Flin Flon Array Site 9	
SAS	Saskatoon	
St Pierre and Miquelon		
SPR	Saint Pierre	
Yukon		
J29N	Klondike Camp	
J29M	Klondike Camp	
Yukon Territories		
E28M	Babbage River	
F30M	Barrier River	
E29M	Blow River	
J30M	Hart River	
D27M	Malcolm River	
I28M	Miner Creek	
I30M	Mount Dempster	
F28M	Old Crow	
H31M	Peel River	
G29M	Pine Creek	
G31M	Satah River	
D28M	Stokes Point	
H29M	Whitestone	
Yukon Territory		
N30M	Aishikik Lake	
K29M	Barlow Dome	
BVCY	Beaver Creek	
BRWY	Burwash Landing	
BH-YK	Burwash Landing	
BH-	Burwash Landing	BH-YK
CTLN	Castor Lake	
DAWY	Dawson	
DWY	Dawson City	
DLY	Dezadeash Lake	
YUK7	Dusty Glacier	
EPYK	Eagle Plains	
FLDN	Fort Liard	
GALN	Gameti Lake	
YUK5	Granite Creek	
HYT	Haines Junction	
ILKN	Indian Lake	
KEY	Kluane	
KRY	Koidern River	
KBT	Komakuk Beach	
KOTAN	Kotaneelee Airstrip	
L29M	L29M	
O30N	Mendenhall	
P30M	Million Dollar Falls	
YUK3	Moose Creek	
O29M	Mount Kennedy	
O28M	Mount Upton	
YUK6	Outpost Mountain	
N32M	Quiet Lake	
YUK1	Sand Pete Hill	
SPY	Shingle Point	
SIY	Silver City	
M29M	Somme Creek	
YUK8	Steele Glacier	
YUK4	Talbot Arm	
G30M	tAoh Zraii Njik	
WL-	Watson Lake	WL-YK
WL-YK	Watson Lake	
WH-YK	Whitehorse	
WHY	Whitehorse	
WH2*	Whitehorse	WH2YK
WH-	Whitehorse	WH-YK
WHC	Whitehorse	
WH2YK	Whitehorse	
YUK2	White River	
WRGLY	Wrigley	
Chiapas		
CARR	Arriaga	
PATR	El Naranjo	
PAVE	Pavencul	
CHUJ	Union Juarez	
UXUV	UXUV	
Chihuahua		
BCIG	La Boquilla	
Coahuila		
MCIG	Muzquiz	
Colima		
CEGR	Campo Tres	
COIG	Colima	
COMA	Comala	
INCO	Volcan de Colima INCA	
JUBC	Volcan de Colima JUBA	
MNGA	Volcan de Colima MNGR	
Colorado		
SCR21	Archer property, S21	
SCR22	Bayfield, S22	
NCR27	Blu Mesa, N27	
BRIGG	Briggsdale	
NCR11	Carbondale, N11	
SCR27	Case Ranch, S27	
NCR24	Centerville, N24	
SCR01	Coaldale, S01	
NCR14	Collbran, N14	
SCR02	Cotopaxi, S02	
NCR09	Cottonwood Pass, N09	
SCR06	Curtis Ranch, S06	
NCR12	De Beque, N12	
SCR14	Del Norte, S14	
NCR06	Dotsero, N06	
NCR15	Elkhorn Rd, Fairplay, N15	
NCR17	Everett, N17	
SCR18	Fort Garland, S18	
NCR08	Frisco, N08	
NCR21	Gateway, N21	
NCR16	Grand Junction, N16	
SCR23	Grandview, S23	
NCR05	Green Mt Res., N05	
NCR23	Guffey, N23	
NCR28	Gunnison, N28	
HAYD	Hayden	
NCR22	Hotchkiss, N22	
SCR28	La Garita, S28	
SCR08	Lake City, S08	
NCR13	Leadville, N13	
NCR04	McCoy, N04	
NCR03	Meeker Airport, N03	
SCR26	Mesita, S26	
SCR09	Moffat, S09	
SCR04	Montrose, S04	
SCR15	Mosca, S15	
SCR17	North of Durango, S17	
NCR25	Olathe, N25	
SCR05	Ourey, S05	
NCR18	Paonia Res., N18	
NCR26	Parlin, N26	
SCR03	Powderhorn, S03	
NCR10	Rifle, N10	
NCR07	Rio Blanco, N07	
NCR20	Riverside, N20	
SCR10	Saguache, S10	
SCR19	San Juan River Ranch, S19	
SCR25	San Pablo, S25	
NCR29	Sargents, N29	
SCR11	Silverton, S11	
SCR13	South Fork, S13	
NCR19	Spinney Mt Res., N19	
SCR20	Tucker property, S20	
SCR16	Walsenburg, S16	
SCR07	Westcliffe, S07	
SCR12	West of Creede, S12	
SCR24	West of Pagosa Springs, S24	
NCR02	Williams Fork Res., N02	
NCR01	Yampa, N01	
Guerrero		
ATYC	Atoyac	
CRIG	Cruz Grande	
VNTA	La Mica	
DAIG	Los Arroyos	
MGIG	Malinaltepec	
PET2	Petatlan	
Hawaii		
OSNP1	Ocean Seismic Network, Sensor 1	
OSNP2	Ocean Seismic Network, Sensor 2, OSN1B	
OSNP3	Ocean Seismic Network, Sensor 3, OSN1S	
ALOHA	Station ALOHA	
Hidalgo		
DHIG	Demacu	
Illinois		
LOIL	Loyola University of Chicago, IL, USA	
Jalisco		
GDLP	Chapalita	
CDAR	Ciudad de Armeria	
CIHU	Emiliano Zapata	
ESTA	Talpa de Allende	
TOMAT	Tomatlan	
TON2	Tonala	
SOMAC	Volcano de Colima	
YELA	Yelapa	
Kentucky		
CRAN	Arlington	
DENM	Cayce	
HLKK	Cayce	
DELM	Columbus	
HLLM	Hickman	
RSCN	Hickman	
LBNM	Moscow	
HMDN	Oakton	
LAVM	Oakton	
T45B	Paducah	
MRSM	Woodland Mills	
Manitoba		
STBON	St. Boniface College	
Mexico		
Aguascalientes		
AGX	Aguascalientes	
Baja California		
LAX	Bahia de Los Angeles	
CBX	Cerro Bola	
CPBX	Cerro Prieto	
CHIX	Chihuahua	
DELX	Delta	
ECBX	El Chinero	
EGM	El Golfo de Santa Clara	
EMX	El Mayor	
ZAX	El Zacaton	
ENX	Ensenada	
ECX	Ensenada	
ECNX	Esteban Cantu	
IGM	Isla Guadalupe	
JQX	Jiquilpan	
LAP	La Paz	
LPX	La Paz	
LPIG	La Paz	
RMX	La Rumorosa	
MBIG	Mexicali	
PGX	Piedras Gordas	
PPXB	Puerto Peasco	
PBX	Punta Banda	
RDX	Rancho Dawling	
RSJ	Rancho San Jose	
RII	Riito	
SALX	Saltillo	
SFX	San Felipe	
SFP	San Felipe	
SJX	San Joaquin	
SMX	San Miguel	
SPX	San Pedro Martir	
SRIG	Santa Rosalia	
SRL	Santa Rosalia	
SLBS	Sierra La Laguna	
TKX	Tecate	
UABX	UABC, Campus Mexicali	
VEX	Veracruz	
VCP	Volcan Cerro Prieto	
Campeche		
SCIG	Sabancuy	
Chiapas		
CZC	Chiapa de Corzo	
UJZ	Chiapas	
PENM	Chiapas	
ZZA	Chiapas	
MARM	Chiapas	
ARL	Chiapas	
LIBM	Chiapas	
VGP	Chiapas	
BJU	Chiapas	
PORM	Chiapas	
TANM	Chiapas	
SIPM	Chiapas	
PAY	Chiapas	
CSN	Chicoasen	
CR1	Chicoasen 1	
CR2	Chicoasen 2	
CR3	Chicoasen 3	
CR4	Chicoasen 4	
CR5	Chicoasen 5	
CR6	Chicoasen 6	
CR7	Chicoasen 7	
COM	Comitan	
CCIG	Comitan	
COM2	Comitan 2	
EJC	Estacion Juarez	
IHC	Ixhuatan	
IXC	Ixtacomitan	
JDN	Jardin	
OZC	Ocozocoautla	
OSCM	Ostuacan	
PMM	Presa Malpaso	
PN1	Presa Penitas 1	
PN2	Presa Penitas 2	
PN3	Presa Penitas 3	
PN4	Presa Penitas 4	PORM
SCX	San Cristobal	
SMJM	Simojovel	
TLA	Tapachula	
TPX	Tapachula	
TCX	Tecpatan	
TGBT	Tuxtla Gutierrez	
MUX	Union Juarez	
ZAC	Zacaltic	
TGIG		
THIG		
PCIG		
Chihuahua		
CHH	Chihuahua	
Colima		
CMX	Colima	COLM
COLM	Colima	
H06N	Isla Socorro	
SRR	Isla Socorro	
MNZ	Manzanillo	
H06S1	SOCORRO T	
H06E1	SOCORRO T-PHASE SITE E1	
H06N1	SOCORRO T-PHASE SITE N1	
H06S		
EZ5V		
H06E		
R15V		
Guanajuato		
IGIG	Irapuato, Guanajuato	
LCG	Leon Cerro Gordo	
Guerrero		
ACP2	Acapulco	
ACX	Acapulco	
CDAM	Ciudad Altamirano	
CAIG	El Cayaco	
FLOM	Florida	
LLJ	Guerrero	
CGG	Guerrero	
III	Iguala	
UON	La Union	
LVGX	La Villita	
MEIG	Mezcala	
NUXM	Nuxco	
PPNM	Papanoa	
PPOM	Papayo	
PNIG	Pinotepa	
PLIG	Platanillo	
POGM	Potrero Grande	
CC1	Presa Caracol 1	
CC2	Presa Caracol 2	
CC3	Presa Caracol 3	
CC4	Presa Caracol 4	
CC5	Presa Caracol 5	
PIM	Presa Infiernillo	
ARIG	Puente Sto Nino	
PDEM	Puerto del Eden	
PGOM	Puerto del Gallo	
SJRM	San Jeronimo	
SMAM	San Marcos	
TETM	Tetitlan	
TPG	Tlapa	
TLIG	Tlapa	
HMTT	Tlapaneco	
ZIIG	Zihuatanejo	
ZIH	Zihuatanejo	
ZHGX	Zihuatanejo	
Hidalgo		
TLX	Tulancingo	
Jalisco		
CJM	Chamela	
CGX	Ciudad Guzman	
GUM	Guadalajara	
GUM2	Guadalajara 2	
LNM	Leon	
PUVA	Puert Vallarta	
SFJM	Santa Fe	
UGO	Universidad de Guanajuato	
GDLC		
ACAM	Acambaro	
ATVM	ATLACOMULCO	
QKP	Cucapa	
CCIP	El Cipres, CIP	
CELM	El Mayor, ELM	
VIG	El Vigia	
CGTO	Guanajuato, GTO	
CNVL	Nueva Leon, NVL	
CPTB	Punta Banda, PTB	
CRLP	Rancho las Palomas, RLP	
CSLP	San Luis Potosi, SLP	
SPMC	San Pedro Martir, SPM	
CSON	Sonora, SON	
TJIG	Tijuana	
TLX2	Tlaxcala 2	
CTLX	Tlaxcala, TLX	
ZUVM	ZUMPANGO	
Mexico D.F.		
IIA	Altzomoni	
AYVM	Ayaqueme	
CRX	Cerrillo	
CGVM	Cerro Gordo	
CHVM	Chichinautzin	
CIVM	Cilcuayo	
CVM	Colonia del Valle	
AZVM	Cuida Lopez Mateos	
DEIG	Demacu	
IIP	El Pino	
IIM	Instituto de Ingenieria, UNAM	
IXT	Ixtapalapa	
JCM	Jocotitlan	
MEX	Mexico City	
OXM	Oxtotitlan	
PBIG	Penon de los Banos, D. F.	
PTVM	Pico Tres Padres	
PBVM	Pinon	
MDVM	Presa Madin	
PNVM	Presa Marin	
RFVM	Rio Frio	
IIC	Rita Coyotepec	
SZVM	Salazar	
SMMM	San Miguel	
TAC	Tacubaya	
VTVM	Tizayuca	
UNM	Universidad Nacional Autonoma de Mexico	
VCVM	Valle de Chalco	
HSIG		
HPIG		
MZVM		
CGIG		
Mexico State		
ACIG	Acambay	
AMVM	AMECAMECA	
MAVM	Malinalco, Edo de Mexico	
TOVM	TOLUCA	
Mexico:State		
IIJ	Jocotitlan	
IIZ	Mezontepec	
Michoacan		
MMIG	Aquila	
CCMX	Caleta Campos	
LAZM	Lazaro Cardenas	
BVTM	Michoacan	
CBZM	Michoacan	
ZEM	Michoacan	
MOIG	Morelia	
MRX	Morelia	
OSM	Ostula	
URUA	Uruapan	
Morelos		
TPM	Tepoztlan	
YAIG	Yautepec	
Nayarit		
ANIG	Ahuacatlan	
IMM	Islas Marias	
Nuevo Leon		
LNIG	Linares	
TMM	Tecnologico de Monterrey	
TMM2	Tecnologico de Monterrey 2	
VNM	Villa de Garcia	
Oaxaca		
CEO	Cerro Encantado	
UTMO	Huajuapan	
HUIG	Huatulco	
CMIG	Matias Romero	
PXO	Oaxaca	
GUO	Oaxaca	
YOO	Oaxaca	
AZO	Oaxaca	
OXBJ	Oaxaca	
OAX	Oaxaca	
LAGM	Oaxaca	
OXX	Oaxaca	
PSM	Palmasola	
PIO	Pinotepa	
PLO	Pochutla	
PBJ	Presa Benito Juarez	
PANG	Puerto Angel	
PEO	Puerto Escondido	
PEX	Puerto Escondido	
TEO	Teotitlan	
TXO	Tlaxiaco	
VDF	Valdeflores	
VMO	Villa Marinero	
VHO	Vista Hermosa	
VHM	Vista Hermosa	
Puebla		
ACP	Acatlan	
CHPM	Chiautla de Tapia	
IISM	Ciudad Serdan	
CUPM	Cuyoaco	
MOPM	Molcaxac	
PPM	Popocatepetl	

Code	Station Name	Other
PHPU	Puebla	
CXP	Puebla	
CIPM	Puebla	
PUE	Puebla	
IIB	San Bernardino	
SRP	Santa Rosa	
TCPM	Tecamachalco	
TPIG	Tehuac#an	
IIT	Tonantzintla	
VGM	Villa Grajales	
Queretaro de Arteaga		
JRQG	Juriquilla Campus	
QUIG	Queretaro	
Sinaloa		
CUL	Culiacan	
MAIG	Mazatlaan	
MZX	Mazatlan	
MAZ	Mazatlan	
TPB	Topolobampo	
Sonora		
CBS	Caborca	
GYM	Guaymas	
GUYB	Guaymas	
LMX	La Mesa Andrade	
RHM	Rio Hardy	
SLX	San Luis Ro Colorado	
SPIG	San Pedro Martir	
EGX	Santa Clara	
Tabasco		
LJS	Tabasco	
Tamaulipas		
TMX	Tampico	
Tlaxcala		
IIO	Organos	
Veracruz		
BUE	Buenavista	
ABR	El Abra	
EVV	El Vigia	
JIL	Jilotepec	
LVIG	Laguna Verde	
LVVM	Laguna Verde	
LJX	Las Lajas	
PZX	Poza Rica	
TUIG	Tuzandepetl	
CAMM	Veracruz	
POHV	Veracruz	
MANM	Veracruz	
FARM	Veracruz	
LVMM	Veracruz	
LIMM	Veracruz	
VCM	Veracruz	
Yucatan		
MER	Merida	
TEIG	Tepich	
Zacatecas		
ZAIG	Zacatecas	
Mexico D.F.		
APVM	Azcapotzalco	
BJVM	Benito Juarez	
SCT2	Benito Juarez	
MHVM	Bosque de Chapultepec	
CUIG	Ciudad Universitaria	
COVM	Coyoacan	
CNCY	Coyoacan	
CJVM	Cuajimalpa	
CTVM	Cuauhtemoc	
THVM	De Xico	
GMVM	Gustavo A Madero	
IPVM	Iztapalapa	
INVM	La Marquesa	
MCRU	Las Cruces	
CUP5	Mexico City	
VRVM	Mexico City	
PMVM	Nuevo Madin	
RPIG	Rio Verde	
MPVM	San Francisco Tecoxpa	
TLVM	San Miguel Topilejo	
TEJU	Tejupilco	
AOVM	Tlapan	
TXVM	Universitario Texcoco	
XCVM	Xochimilco	
Mexico State		
PBPN	Popocatepetl	
Mexico:State		
PBXN	Popocatepetl	
PPIG	Popocatepetl	
Montana		
BMMT	Benchmark Campground	
CLMT	Clear Creek, Montana	
COMT	Copper Creek	
EKMT	Elk Creek	
ESMT	Esmerelda Mountain	
FPMT	Flesher Pass	
GBMT	Granite Butte, Montana	
LGMT	Lincoln, Montana	
NVMT	Lincoln, Montana	
MVMT	Montana Mountain View Ranch	
OGMT	Ogden Mountain	
Nayarit		
TPICX	Tepic	
TEPI	Tepic	
Nebraska		
N33B	J Bar K, Exeter	
KLNK	Lincoln, NE, USA	
New Brunswick		
MCNB	McAdam	
Newfoundland		
NINL	Nain	
New Mexico		
SCR30	Questa, S30	
SCR29	Ranco del Oso Pardo, S29	
New York		
BMNY	Brushton-Moira	
CFNY	Clifton-Fine, NY	
CGNY	Colgate University, Hamilton, NY	
PTNY	Frank Revetta Observatory, Potsdam, NY	
Northwest Territories		
YKAW1	Yellowknife White 1	
YKAW3	Yellowknife White 3	
Nuevo Leon		
MNIG	Monterrey	
Nunavut		
POIN	Pond Inlet	
Oaxaca		
FTIG	Fresnillo de Trujano	
HLIG	Huajuapan de Leon	
OXLC	Oaxaca	
OXIG	Oaxaca	
PEIG	Puerto Escondido	
NILT	Santiago Niltepec	
TXIG	Tlaxiaco	
TOIG	Toxpalan	
YOIG	Yosondua	
Ohio		
BSPO	Barkcamp State Park Ohio	
BCOH	Blue Creek Ohio	
BGOH	Bowling Green Firelands Ohio	
CPOH	Chaparral Prairie Nature Preserve	
CHWO	Cooper Hollow Wildlife Area	
KDOH	Killdeer Plains Wildlife Area	
KLSO	Kiser Lake Ohio	
KLOH	Kiser Lake State Park	
LEBO	Lake Erie Bluffs Ohio	
MFOH	Malabar Farm State Park	
MWLO	Mercer Wildlife Area Ohio	
KSTO	New Philadelphia	
SROH	Shade River State Forest Ohio	
SSFO	Shawnee State Forest Ohio	
SLSO	Stonelick State Park	
SSPO	Sycamore State Park Ohio	
VLOH	Vernon-Luthman Wildlife Area	
Oklahoma		
T35B	Sooner Cattle Company, Foraker	
Ontario		
COBO	Cobden	
GTOO	Geraldton	
HWKO	Hawkesbury	
OTAO	Ottawa Anderson Road	
Oregon		
CPCO	Central Pumice Cone, Newberry	
R55E0	Keizer	
I02E	Swisshome, OR	
Puebla		
PBCV	Popocatepetl	
THEZ	Tehuacan	
Quebec		
RUEQ	Avenue Ruel MTQ2	
BACQ	Baie-Comeau	
BSCQ	Baie-Sainte-Catherine	
CAPQ	Boul. des Capuccins MTQ1	
BNAQ	Bridge North Anchor Chamber MTQ3	
CALQ	Cantley	
DRMQ	Drummondville	
FORQ	Forestville	
GAAQ	Galiote	
GAX1	Gleen Almond Test #1	
GAX2	Gleen Almond Test #2	
BSAQ	Ile d'Orlans Bridge South Anchor Chamber	
LESQ	Les-Escoumins	
PCAQ	Pointe Carleton	
PMAQ	Port Menier	
RIGQ	Rigaud	
SURQ	Ste-Clotilde	
Sinaloa		
CSIG	Choix	
PDIG	Papasquiaro	
SSIG	Sanalona	
TSIG	Topolobambo	
Sonora		
BKIRB	Bahia Kino	
CDOB	Cd. Obregon	
EDOMX	El Doctor, EDO	
EGO	El Golfo de Santa Clara	
NZIG	Nacozari, Sonora	
NE80	Navojoa	
PIX	Pinacate	
PLX	Puerto Libertad	
PLIB	Puerto Libertad	
PLB	Puerto Libertad	
LIBMX	Puerto Libertad, LIB	
ESRMX	Riito, ESR	
RITX	Riito Sonora	
SLRCX	San Luis Rio Colorado	
Tabasco		
VHSA	Villahermosa	
Tamaulipas		
GTIG	Gomez Farias	
Tennessee		
STRT	Eaton	
SDYT	Holly Hill	
ROET	Hopewell	
ACRN	Hopewell, ACRM	
WCMM	Kenton	
RIGT	Kenton	
CTCT	Mason Hall	
ATWT	Mason Hall	
NCHT	Obion	
HATM	Rives	
HNHM	Rives	
LCBT	Rives	
RFHT	Rives	
MOGT	Rives	
RNEM	Rives	
HHCT	Rutherford	
RCET	Spring Hill	
FPTT	Spring Hill	
LDRT	Trimble	
BRGN	Trimble, BRGM	
LEPT	Troy	
FSHN	Troy, FSHM	
PNMM	Union City	
WARM	Union City	
KMSM	Union City	
TVLT	Union City	
PTVN	Union City, PTVM	
PPYK	Woodland Mills	
FLDM	Woodland Mills	
NGDN	Woodland Mills, MGDM	
MTHT	Yorkville	
BOGT	Yorkville	
LNXN	Yorkville, LNXT	
Texas		
PCOS	Crockett Middle School (Pecos)	
FLRS	Floresville	
U.S.A.		
Alabama		
AX-AL	Alexander City	
AX2	Alexander City	AX2AL
AX-	Alexander City	AX-AL
AX2AL	Alexander City	
Z50A	Ashland	
448A	Bay Minette	
Y49A	Blount Mountain	
BRAL	Brewton	
BO-AL	Brewton	
BO-	Brewton	BO-AL
249A	Camden	
Z47A	Carrollton	
HGA	Collinsville	
Z49A	Columbiana	
DLC	Deerlick Creek	
248A	Dixon Mills	
350A	Dozier	
150A	Eclectic	
EMA	Elm	
EU-AL	Eutaw	
EU2	Eutaw	EU2AL
EU2AL	Eutaw	
EU-	Eutaw	EU-AL
FLT	Fleetwood	
FPAL	Fort Paine	
X50B	Fort Payne	
X50A	Fort Payne	
250A	Grady	
148A	Greensboro	
HVA	Hanceville	
X48A	Hartselle	
HLT	Holt	
348A	Jackson	
Y48A	Jasper	
149A	Jones	
BKA	Kennedy	
LRAL	Lakeview Retreat	
LCAL	Lambert Chapel	
LAL	Leola	
147A	Livingston	
LDG	Lodge	
LCA	Log Cabin	
251A	Midway	
MSAL	Mont Sano	
Z48A	Northport	
151A	Opelika	
OCA	Owens Crossroads	
PEA	Pea Ridge	
PTR	Peterson	
PLAL	Pickwick Lake	
PWLA	Pickwick Lake	
Y50A	Piedmont	
351A	Pinckard	
RHA	Reichold	
349A	Repton	
MLAL	Sawyerville	
SHA	Spring Hill	
TDA	Talladega	
TSAL	Tannehill State Park	
Y47A	UCPARC, Winfield	
Alaska		
AD8	Adagdak	
ADA	Adak	
ADK	Adak	
AD-	Adak Island	AD-IS
AD-IS	Adak Island	
AGAM	Agassiz Lake	
AKA	Akutan	
AKUT	Akutan	
AKA1	Akutan 1	AKA
AKA2	Akutan 2	
AKA4	Akutan 4	
AKA5	Akutan 5	
AKBBA	Akutan Broad B.	
AKGG	Akutan Green Grass	
AHB	Akutan Harbor	
AKLV	Akutan Long Valley	
AKMO	Akutan Morgan	
AKRB	Akutan Reef Bight	
HSB	Akutan Spr's Bay	
AKSA	Akutan Strait	
AKV	Akutan Volcano	
ZRO	Akutan Zero	
F21K	Alatna River	
ALC	Alcan	
ACK	Alder Creek	
G21K	Allakaket	
ALAR	ALPA Array Beam Reference Point	
AL31	ALPA Array Site 31	ALAR
AL32	ALPA Array Site 32	
AL33	ALPA Array Site 33	
AL5	ALPA Array Site 35	
AL36	ALPA Array Site 36	
AL37	ALPA Array Site 37	
AMA	Amatignak Island	
ASB	Amchitka	
ASC	Amchitka	
ASD	Amchitka	
ANB	Amchitka	
AC-IS	Amchitka	
AND	Amchitka	
ANA	Amchitka	
AEB	Amchitka	ASB
AMC*	Amchitka	
AWA	Amchitka	
AMKA	Amchitka	
ACA	Amchitka Central A	
ACB	Amchitka Central B	
ACC	Amchitka Central C	
ACD	Amchitka Central D	
ACE	Amchitka Central E	
ACF	Amchitka Central F	
AME	Amchitka East	
E22K	Anaktuvuk Pass	
ANI*	Anchorage	ANH
AMU	Anchorage	
ANH	Anchorage	
ANCK	Angle Creek	
ACHA	Angle Creek Headwaters	
ANI	Aniakchak	
ANON	Aniakchak	
ANKA	Aniakchak	
AZAC	Aniakchak	
ANIA	Aniakchak Crater	
AJAX	Aniakchak Jack	
ANNE	Aniakchak Northeast	
ANNW	Aniakchak Northwest	
ANPK	Aniakchak Peak	
ANPB	Aniakchak Plenty Bear	
H20K	Anotleneega Mountain	
J16K	Anvik River	
ANV	Anvil Mountain	ANM
F14K	Arctic Creek	
E25K	Arctic Village	
AA-IS	Atka	
ATKA	Atka Island	
ATTU	Attu Island--Fox	FX1
FX1	Attu Island--Fox	
AUCH	Augustine Cone H	
AUD	Augustine Domo	
AUF	Augustine Flow	
AUH	Augustine H	
AU2	Augustine Island	
AUE	Augustine Island	
AGI	Augustine Island	
AUI	Augustine Island	
AUJK	Augustine Juegen Kienle	
AUJA	Augustine Junction	
AUL	Augustine Lava	
AU22	Augustine Mound	
AUM	Augustine Mound	
AUNW	Augustine NWest	
AUP	Augustine Pinnacle	
AUQ	Augustine Qik'rtamen	
AUSE	Augustine SEast	
AGU	Augustine-Summit	
AUW	Augustine West	
ABF	Auke Bay	
F20K	Avaraart Lake	
D22K	Ayikyak River	
BAGL	Bagley Icefield	
F17K	Baldwin Penninsula	
BALM	Baldy	
BALA	Baldy Mountain	
G23K	Bananza Creek	
BCPM	Bancas Point	
BARK	Barkley Ridge	
BARN	Barnard Glacier	
BGL	Barrier Glacier	
BGRM	Barrier Glacier Two	
A21K	Barrow	
BRW	Barrow	
BRV	Barrow	
BI3	Barter Island	
BI2	Barter Island	
BI4	Barter Island	
BI1	Barter Island	
G25K	Bearman Lake	
BPAW	Bear Paw Mtn.	
BCAR	Beaver Creek Array Beam Reference Point	
BC01	Beaver Creek Array Site 1	
BC02	Beaver Creek Array Site 2	
BCA3	Beaver Creek Array Site 3	BCAR
BC04	Beaver Creek Array Site 4	
BC05	Beaver Creek Array Site 5	
BLGA	Beluga	
BEH	Bench	
CKT	Bend	
BERG	Berg Lake	
BGLC	Bering Glacier BLM Camp	
BBO	Besboro Island	
BESE	Bessie Mountain	
BQ-AK	Bethel	
BET	Bethel	
M14K	Bethel	
G22K	Bettles	
BKJ	Big Koniuji Island	
BGM	Big Mountain	
BIG	Big Mountain	
BIO	Biorka	
H25K	Birch Creek	
H25L	Birch Creek	
BRH	Birch Hill	
BLHA	Black Hill	
S12K	Black Hills	
BLR	Black Rapids	
BKG	Blockade Glacier	
BMT	Blue Mountain	
BLM	Blue Mountain	BMT
AK4	Bobrof	
BRLK	Bradley Lake	
BRNE	Bradley Lake NE	
BRNW	Bradley Lake NW	
BRSE	Bradley Lake SE	
BRSW	Bradley Lake SW	
BMRM	Bremner River	
BDP	Broad Pass	
BWN	Browne	
BRPK	Brown Peak	
BMAR	Burnt Mountain Array Beam Reference Point	
BM01	Burnt Mountain Array Site 1	
BM02	Burnt Mountain Array Site 2	
BM3	Burnt Mountain Array Site 3	

Code	*Station Name*	*Other*
BM03	Burnt Mountain Array Site 3	BM3
BM04	Burnt Mountain Array Site 4	
BM05	Burnt Mountain Array Site 5	BMAR
CAHL	Cahill	
C26K	Camden Bay	
CDL	Candle	
CNA	Cantwell	
CDY	Cape Darby	
CDA	Cape Douglas	
CDD	Cape Douglas	
CPR	Cape Romanzof	
CSA	Cape Sarichef	
CYK	Cape Yakataga	
CYT	Cape Yakataga	
CGLM	Capps Glacier	
CAPN	Captain Cook Nikiski	
CAST	Castle Rocks	
CHX	Chaix Hills	
CKL	Chakachamna Lake	
CKN	Chakachatna North	
SPCN	Chakachatna North Broadband	
E23K	Chandalar	
CKK	Chekok	
CNBA	Chernabura Island	
K27K	Chicken	
CHGN	Chignik	
CSG	Childs Glacier	
CNPM	China Poot	
CHIA	Chirikof Island	
CHIR	Chirikof Island	
CTGM	Chitina Glacier	
N25K	Chitina, Valdez-Cordova	
CHW	Chowiet Island	
F25K	Christian River	
CKR	Christmas Creek	
CUT	Chulitna	
CHB	Church	
TCOL	CIGO, UAF Yankovich Road, Fairbanks	
CRQM	Cirque	
R31K	City Hall, Gustavus	
CCB	Clear Creek Butte	
CMA	Clear Mews	
CLES	Cleveland East, Cleveland Volcano	
I26K	Coal Creek Mining Camp	
CBA	Cold Bay	
CBY	Cold Bay	
COLD	Coldfoot	
E27K	Coleen River	
COLA	College	
CMO	College--Fairbanks	
CFI	College Fiord	
COL	College Outpost	
CHSA	Colony High School	
CLCO	Concord Point, Cleveland Volcano	
CNTC	Contact Creek	
Q17K	Contact Creek Katmai	
O22K	Cooper Landing	
CVA	Cordova	
CDI	Cordova	
EYAK	Cordova Ski Area	
CRAG	Craig	
CRP	Crater Peak	
CPAM	Crater Peak Alternate	
SPCP	Crater Peak Broadband	
CPKM	Crater Peak Rim	
CP2	Crater Peak Two	
M13K	Dall Lake	
DMB	Deadman Bay	
DHAK	Deception Hills	
DRIA	Deer Island	
DRRA	Deer Island	
C17K	DeLong Mountains	
DJE	Delta Junction E	
DMW	Delta Microwave	
DHY	Denali Highway	
DMA	Devil Mountain	
DLL	Dillingham	
DSK	Disk Island	
DIV	Divide	
DLG	Dolgoi Island	
DOL	Dolgoi Island	
L17K	Donlin	
DDM	Donnelly Dome	
K24K	Donnelly Dome	
DOT	Dot Lake	
G27K	Doyon Strip	
DFR	Drift River	
DUT	Dutch Harbor	
DHA	Dutch Harbor	
DT1	Dutton Round Hill	
DTNA	Dutton South Flank	
EGAK	Eagle	
R32K	Eaglecrest	
EAM	Ear Mountain	
NPO	Eielson Array	
ILAR	Eielson Array Beam Reference Point	
ILB	Eielson Array Broadband	ILAR
IL1	Eielson Array Site 1	
IL10	Eielson Array Site 10	
IL11	Eielson Array Site 11	
IL12	Eielson Array Site 12	
IL13	Eielson Array Site 13	
IL14	Eielson Array Site 14	
IL15	Eielson Array Site 15	
IL16	Eielson Array Site 16	
IL17	Eielson Array Site 17	
IL18	Eielson Array Site 18	
IL19	Eielson Array Site 19	
IL02	Eielson Array Site 2	
IL03	Eielson Array Site 3	
IL04	Eielson Array Site 4	
IL05	Eielson Array Site 5	
IL06	Eielson Array Site 6	
IL07	Eielson Array Site 7	
IL08	Eielson Array Site 8	
IL09	Eielson Array Site 9	
H16K	Elim	
EAFB	Elmendorf Base	
ELV	Elvey	
ENG	Engineer Hill	
ERN	Ernestine	
D20K	Etivluk River	
FBA	Fairbanks	
FBK	Fairbanks	
FBAS	Fairbanks	
FB-AK	Fairbanks	
FB2AK	Fairbanks	
I53US	FAIRBANKS INFRASONIC ARRAY REFERENCE POINT	
FBAL	Fairbanks--Long Period	
FALS	False Pass	
FSP	False Pass	
WFAR	Faris Peak	
FLP	Featherly Pass	
FIS	Fire Island	
FIB	Fire Island	
S14K	Fog Glacier	
VNFG	Fog Glacier, Mount Veniaminof	
FYU	Fort Yukon	
FY1	Fort Yukon	
FY2	Fort Yukon	
FY3	Fort Yukon	
FY4	Fort Yukon	
FY5	Fort Yukon	
FOSS	Fourpeaked Station 1	
FONW	Fourpeaked Station 2	
FOPK	Fourpeaked Volcano	
C24K	Franklin Bluffs	
GCSA	Galena City School	
GAMB	Gambell	
GAEA	Gareloi East	
GAKI	Gareloi-Kavalga I.	
GALAA	Gareloi Lava Pt.	
GANO	Gareloi North	
GANE	Gareloi Northeast	
GASW	Gareloi Southwest	
GIA	Geophysical Institute, University of Alaska	
GLB	Gilahina Butte	
GIL	Gilmore Creek	
GLN	Gilmore Dome	
GLM	Gilmore Dome	GLN
GLI	Glacier Island	
GLC	Glacier Island	
M23K	Glacier View	
GHO	Glory Hole Creek	
GOAT	Goat Mountain	
GKC	Gold King Creek	
GSV	Goldstream Valley	
GSVT	Goldstream Valley	
GOU	Gould Hall	
GBY	Granite Bay	
GRNC	Granite Creek	
GMA	Granite Mountain	
L18K	Granite Mountain	
H17K	Granite Mountain	
GRLA	Grayling	
AD1	Great Sitkin	
GSCK	Great Sitkin Cape Kiugilak	
GSMY	Great Sitkin Middle Yoke	
GSSP	Great Sitkin Saddle Point	
GSTR	Great Sitkin Teapot Rock	
GSTD	Great Sitkin Triple Divide	
GRIN	Grindle Hills	
GUL	Gulkana	
GYO	Guyot Hills	
HARP	HAARP	
G24K	Hadweenzic River	
HAG	Hague Volcano	
HMT	Hamilton	
D24K	Happy Valley	
HDA	Harding Lake	
HQN	Harlequin Lake	
HPP	Hepp	
AD4	Hidden Bay	
HIN	Hinchinbrook Island	
M17K	Holitna River	
HOM	Homer	
H18K	Honhosa River	
E17K	Hotham Inlet	
HUR	Hurricane	
K17K	Iditarod	
GSIG	Igitkin Island	
B21K	Ikpikpuk River	
ILM	Iliamna	
ILIM	Iliamna	
ILS	Iliamna Low South	
INE	Iliamna NE	
INW	Iliamna NW	
IVS	Iliamna South	
ILSW	Iliamna Southwest, Iliamna Volcano	
IVE	Iliamna Volcano East	
ILW	Iliamna West	
RIDG	Independent Ridge	
IMA	Indian Mountain	
IMA2	Indian Mountain	
IMAR	Indian Mountain Array Beam Reference Point	
IM01	Indian Mountain Array Site 1	
IM02	Indian Mountain Array Site 2	
IM3	Indian Mountain Array Site 3	
IM04	Indian Mountain Array Site 4	
IM05	Indian Mountain Array Site 5	
J18K	Innoko River	
ISTK	Isanotski	
ISNN	Isanotski North	
H22K	Ishtalitna Creek	
C23K	Itkillik River	
IVF	Ivanof Bay	
JPK	Jack Peak	
C27K	Jago River	
F22K	John River	
J26L	Joseph Creek	
JIS	Juneau Island	
ISLE	Juniper Island	
AD3	Kagalaska	
ETKA	Kagalaska Island	
KICM	Kanaga Island Cape Miga	
KIKV	Kanaga Island Kanaga Volcano	
KIMD	Kanaga Island MID Benchmark	
KINC	Kanaga Island North Cape	
KIRH	Kanaga Island Round Head	
KIWB	Kanaga Island Westway Bight	
I27K	Kandik River	
KTH	Kantishna Hills	
R18K	Karluk	
M15K	Kasigluk River	
KAWH	Katmai	
KTM	Katmai	
KABR	Katmai Barrier Ridge	
KBM	Katmai Bkd Mtn	
KABU	Katmai Buttress	
KAHC	Katmai Hardscrabble Creek	
Q18K	Katmai Hardscrabble Creek	
KAHG	Katmai Hook Glacier	
KAIC	Katmai Ikagluik Creek	
KAKN	Katmai Knife Crk	
KCE	Katmai Mt Cerb's	
KAPH	Katmai Pasha	
KARR	Katmai Rainbow River	
KVTA	Katmai Vly 10 NE	
D25K	Kavik River	
KAIM	Kayak Island	
KYK	Kayak Island	
KJL	Kejulik	
KEN	Kenai	
V35K	Ketchikan	
KCN	Ketchikan	
KHIT	Khitrov Hills	
KIAG	Kiagna River	
E21K	Killik River	
S32K	Killisnoo	
KMP	Kimball Pass	
Q16K	King Salmon	
G17K	Kiwalik Mountain	
KLU	Klutina	
C21K	Knifeblade Ridge	
KCG	Knife Ck. Glacier	
KNIM	Knight Island	
KNK	Knik Glacier	
KD1	Kodiak	
KD3	Kodiak	
KD2	Kodiak	
KDC	Kodiak Island	
KDAK	Kodiak Island	
KGR	Kogok River	
B18K	Kokolik River	
O16K	Kokwok River Bristol Bay	
O17K	Koliganek Bristol Bay	
KKLA	Kookooligit Mountain	
KONE	Korovin Northeast	
KONW	Korovin Northwest	
KOSE	Korovin Southeast	
KOKV	Korovin Volcano	
KOWE	Korovin West	
KTA	Kotzebue	
G16K	Koyuk River	
L14K	Kuka Creek	
KULT	Kultieth River Mountain	
D19K	Kuna River	
K13K	Kusilvak Mountain	
N14K	Kuskokwak Creek	
P17K	Kvichak River	
N15K	Kwethluk River	
CHUM	Lake Minchumina	
LTI	Latouche	
LVA	Lava Point	
LVY	Levy	
C16K	Lisburne Hills	
LSI	Little Sitkin Island	
LSNW	Little Sitkin NW	
LSPA	Little Sitkin PP	
LSSA	Little Sitkin S'e	
LSSE	Little Sitkin SE	
LOGN	Logan Glacier	
L26K	Log Cabin Wilderness Lodge, Tok	
C19K	Lookout Ridge	
LOU	Louis Bay	
MRS	Maars	
OKFG	Magazine Ridge	
MGLS	Mageik Landslide	
MCIR	Makushin Cirque	
MGOD	Makushin Gods Own Repeater Site	
MSOM	Makushin Julie Andrews	
MNAT	Makushin Nateekin	
MREP	Makushin Rep'tr	
MSW	Makushin Switchbacks	
MTBL	Makushin Table Top	
MLP	Malaspina Glacier	MLA
MLA	Malaspina Glacier	
MLY	Manley	
MCARA	McCarthy VSAT	
MCK	McKinley	
MCNL	McNeil River	
MCL	McNeil River	
B20K	Meade River	
M11K	Mekoryuk	
MENT	Mentasta	
MCR	Mercer	
MESA	MESA	
MMC	Middle Cape	
Q23K	Middleton Island	
MID	Middleton Island	
MIK	Minitrack	
I23K	Minto, Yukon-Koyukuk	
MFA	Mitchell Field	
MTU	Montague Island	
P23K	Montague Island	
MTG	Montague Island	
MSE	Moose Creek	
MCB	Moose Creek Bluff	
MPA	Moose Pass	
ADAG	Mount Adagdak	
KELA	Mount Kelaz	
KOKL	Mount Kliuchef	
N20K	Mount Spurr	
SPU	Mount Spurr	
MDM	Murphy Dome	
I20K	Naaghedeneel	
NGI	Nagai Island	
NAGA	Nagai Island	
D23K	Nanushuk River	
J14K	Nanvaranak Lake	
NCA	Nelchina	
NEA2	Nenana	
NEA	Nenana	
NICHA	Nichawak Mountain	
E20K	Nigu River	
NKA	Nikishka	
NHSA	Nikolaevsk School	
NIK	Nikolski	
NKI	Nikolski	
NIKO	Nikolski	
NIKH	Nikolski High Hill	
NNL	Ninilchik	
NIN	Ninilchik One	
N16K	Nishlik Lake	
G15K	Niukluk	
D17K	Noatak River	
NOM	Nome	
ANM	Nome	
NCG	North Capps Glacier	
NCT	North Crescent	
NGL	North Gasline	
AD7	North Kanaga	
SPNN	North Nagishlamina, Mt. Spurr	
NRA	North River	
F15K	North Star Ditch	
AT3	North Tanaga	AK3
AK3	North Tanaga	
AK5	North Tanaga	
AK0	North Tanaga	
NTK	Nunatak	
N17K	Nushagak Hills	
P16K	Nushagak River	
OPT	Oil Point	
OKAK	Okmok	
OKCD	Okmok Cone D	
OKCE	Okmok Cone E	
OKCF	Okmok Cone F	
OKER	Okmok East Rim	
OKID	Okmok Mt. Idak	
OKTU	Okmok Mt. Tulik	
OKNC	Okmok New Cone D	
OKRE	Okmok R'deer Pt	
OKSO	Okmok South	
OKSP	Okmok Steeple Pt	
OKWR	Okmok West Rim	
OKWE	Okmok W'ng Wall	
L16K	Owhat River	
MAPS	Pakushin Southeast, Makushin Volcano	
PMR	Palmer	
PME	Palmer East	
PHSA	Palmer High School	
PMS	Palmer South	
PLRM	Palmer USGS	PMR
PWA	Palmer West	
PTPK	Patty Peak	
PN6	Pavlof North-6	
PN7A	Pavlof North-7A	
PS1A	Pavlof South-1A	
PS4	Pavlof South-4	
PS4A	Pavlof South-4A	
PVV	Pavlof Volcano	
PVK	Pavook Mountain	
PAX	Paxson	
PDB	Pedro Bay	
PJD	Pedro Dome	
S31K	Pelican	
PNL	Peninsula	
PRYA	Perryville	
PBG1	Petersburg	
PSA	Petersburg	
PBG	Petersburg	
T33K	Petersburg	
PPSA	Petersburg Public Schools	
PLK1	Peulik 1	
PLK2	Peulik 2	
PLK3	Peulik 3	
PLK4	Peulik 4	
PLK5	Peulik 5	
PLBL	Peulik Blue Creek	
PLWL	Peulik Whale Mountain	
R16K	Pilot Point	
PCA	Pinnacle	
PINM	Pinnacle	PCA
PNN	Pinnacle Mountain	
WPOG	Pogromni	
PTB	Point Barrow	
POKR	Poker Plat Research Range	
J19K	Poorman	
PRP	Porcupine Dome	
G26K	Porcupine River	
PTE	Portage	
PTCL	Port Clarence	
FID	Port Fidalgo	
PHA	Port Heiden	
PMA	Port Moller	
PWL	Port Wells	
KPE	Price	
PUB	Puale Bay	
G19K	Purcell Mountains	
PPLA	Purkeypile	
RC01	Rabbit Creek Array Site 1	
RGD	Ragged Mountain	
RAGM	Ragged Mountain	
RAI	Raspberry Island	
RAT	Rat Island	
RDOG	Red Dog Mine	
RDT	Redoubt	
RDDR	Redoubt East 2	
REF	Redoubt East Flank	
RDJH	Redoubt Jeurgen	
RDN	Redoubt North	
RSO	Redoubt South	
RDSO	Redoubt South	
RS1	Redoubt South 1	
RS2	Redoubt South 2	
RED	Redoubt Volcano	
RDE	Redoubt Vol. East	
RDWB	Redoubt West	
RDW	Redoubt West	
E19K	Redstone River	
RND	Reindeer	
REM	Remote	
RON	Remote	
RIU	Riou	
RKAV	Rock Avalanche	
H19K	Roundabout Mountain	
SDEM	Sadie Cove	
STMI	Saint Michael	
SP-IS	Saint Paul	

Code	*Station Name*	*Other*
SPP	Saint Paul	
SPIA	Saint Paul Island	
SPI	Saint Paul Islands	
SAMH	Samovar Hills	
SNKA	Sanak Island	
SBY	Sand Bay	
SCRK	Sand Creek	
SGB	San Diego Bay	
SDPT	Sand Point	
SDN	Sand Point	
SASA	Sand Point	
SPBA	Sand Point BB	
SVGA	Savoonga	
SOV	Savoonga	
SML	Sawmill	
SCT	Scotty Lake	
F18K	Selawik	
XLV	Seldovia	
SLV	Seldovia	
CEAP	Semis' Anvil Peak	
CERB	Semis' Cerberus	
SSI	Semisopochnoi Island	
CEPE	Semis' Perret Rge	
CERAA	Semis' Rag'd Top	
CESW	Semis' Southwest	
CETU	Semis' Tuman	
SEW	Seward	
F19K	Shaleruckik Mountain	
F26K	Sheenjek River	
SCF	Sheep Creek Facility	
SCM	Sheep Creek Mountain	
SHY	Shemya	
SQ-IS	Shemya	
SMY	Shemya	
SHEM	Shemya Is, Alaska	
SGAM	Sherman Glacier	
SSBA	Shishaldin	
SSLN	Shishaldin North	
SSLS	Shishaldin South	
SSLW	Shishaldin West	
Q20K	Shuyak Island	
SYI	Shuyak Island	
SHU	Shuyak Island	
RDS	Siegrist	
A22K	Sinclair Lake	
SIT	Sitka	
SKD	Sitkalidak Island	
SII	Sitkinak Island	
SKAG	Skagway	
SKGA	Skagway School	
SKL	Skilak	
SLKM	Skilak Lake	
SKT	Skwentna	
SDG	Sourdough	
AD6	South Kanaga	
AT2	South Tanaga	AK2
AK2	South Tanaga	
SVW	Sparrevohn	
SVW2	Sparrevohn	
SPL	Spiridon Lake	
SPBG	Spurr Blockage Glacier	
SPCG	Spurr Capps Glacier	
SPCR	Spurr Chakachatna River	
SPNW	Spurr Northwest	
SPWE	Spurr West	
SQF	Squaw Harbor	
F24K	Squaw Lake	
H27K	Steamboat Mountain	
SGA	Stephens Glacier	
STY	Stony River	
M18K	Stony River	
STLK	Strandline Lake	
SUK	Suckling Hill	
SUCK	Suckling Hills	
SSH	Sunshine	
SNH	Sunshine Point	
SBEA	Susan B. English School	
SST	Susitna	
SUA	Susitna One	
WAT2	Susitna Watana 2	
WAT7	Susitna Watana 7	
TABL	Table Mountain	
G18K	Tagagawik	
TLK	Talkeetna Mountains	
TACS	Tanaga Cape Sajaka	
TAFP	Tanaga Falls Point	
TAFL	Tanaga Flats	
TANO	Tanaga North	
TAPA	Tanaga Point Aries	
TASE	Tanaga Southeast	
TGL	Tana Glacier	
TNN	Tanana	
PS10	TAPS Pump St10	
PS11	TAPS Pump St11	
PS12	TAPS Pump St12	
PS01	TAPS Pump Stn	
PS04	TAPS Pump Stn4	
PS05	TAPS Pump Stn5	
PS06	TAPS Pump Stn6	
PS07	TAPS Pump Stn7	
PS08	TAPS Pump Stn8	
PS09	TAPS Pump Stn9	
VMT	TAPS Tl Valdez	
TTA	Tatalina	
TTL	Tatalina	
TT01	Tatalina	
TZL	Tazlina	
TLR	Teller	
TTV	Teren Tiev Lake	
B22K	Teshekpuk Lake	
TRF	Thorofare Mountain	
O14K	Tigyukauivet Mountain	
M16K	Timber Creek	
TNA	Tin City	
TCY	Tin City	
TMW	Tok Microwave	
TOA	Tolsona	
M24K	Tolsona, Glennallen	
TOLK	Toolik Lake Research Station	
TKK	Topkok	
TRAP	Trapper Creek	
THY	Trims Highway	
TSIM	Tsina	
WTUG	Tugumak	
E18K	Tukpahlearik Creek	
UGI	Ugak Island	
R17K	Ugashik Creek	
UKL	Ugashik Lake	
USL	Ugashik Lake	
AD2	Umak	
UNL	Unalakleet	
I17K	Unalakleet	
UNA	Unalaska	
UNV	Unalaska Valley	
L15K	Ungalak Mountain	
O15K	Ungalikthiuk River	
C18K	Utukok River	
J17K	VABM Dome	
VLD	Valdez	
VLZ	Valdez	
VZS	Valdez South	
VZW	Valdez West	
BPBCA	Veniaminof	
VNHG	Veniaminof 1	
VNNF	Veniaminof 3	
VNKR	Veniaminof 5	
VNSG	Veniaminof 6	
VNSW	Veniaminof 7	
VNWF	Veniaminof 8	
VNSS	Veniaminof 8	
VRDI	Verde Repeater	
VOGL	Vogel Lake	
A19K	Wainwright	
WAX	Waxell Ridge	
WESE	West Dahl East	
WESN	West Dahl North	
WESS	West Dahl South	
AK1	West Kanaga	
AT1	West Kanaga	AK1
U33K	Whale Pass	
WRG	White River Glacier	
WLM	Willow Mountain	
K15K	Wolf Creek Mountain	
WRH	Wood River Hill	
WACK	Wrangell Chichokna Glacier	
WRAK	Wrangell Island	
WAZA	Wrangell Mount Zanetti	
WANC	Wrangell North Crater	
WASW	Wrangell Southwest	
YAH	Yahtse	
AD5	Yakak	
YKGM	Yakataga	
YKU	Yakutat	
YKU2	Yakutat	
YKT	Yakutat	
YCB	Yellow Creek Bluff	
E24K	Your Creek	
BC3*		BCA3
AL34		FBAL
IL31		ILB
IL01		IL1
IM03		IM3
AL35		AL5
BC03		BCA3
Aleutian Islands, Alaska		
ISLZ	Isanotski Lazaref River	
WEBT	Westdahl Beartrack Creek	
WECS	Westdahl Cape Sarichef	
WESP	Westdahl Peak	
Arizona		
AJAR	Ajai Ranch	
GVA	Apache Junction	
ASU	Arizona State University	
119A	Ashpeak Ranch, Duncan	
318A	Bisbee	
114A	Black Gap (USAF), Gila Bend	
BPK	Black Peak	
BRDG	Blue Ridge	
V14A	Boquillas Ranch, Navajo N., Peach Springs	
BDA	Boulder Dam	
Y18A	Canyon Day Junior High, Whiteriver	
Y15A	Casa Rosa Ranch, Morristown	
CCAZ	Cataract Creek	
Y16A	Circle Bar Ranch, Sunflower	
U19A	Dine' College, Tsaile	
319A	Douglas	
218A	Dragoon	
EKU	East Kanab	
116A	Eloy	
FS-AZ	Flagstaff	
W16A	Flagstaff	
FS-	Flagstaff	FS-AZ
FLAG	Flagstaff	
FLG	Flagstaff	
X17A	Forest Lakes	
FTM	Fortuna Mine	
V18A	Ganado	
Z18A	Geronimo	
Z15A	Gila River Indian Community, Laveen	
GCA	Glen Canyon	
T16A	Glen Canyon Dam (NPS), Page	
GE-	Globe	GE-AZ
GE-AZ	Globe	
GCAZ	Grand Canyon	
V13A	Grand Canyon West Ranch, Meadview	
217A	Green Valley	
HR-AZ	Heber	
HR-	Heber	HR-AZ
118A	Homack Ranch, Wilcox	
W13A	Hualapai Mountain Park, Kingman	
X15A	Humboldt	
HTCH	Hutch Mountain	
JR-AZ	Jerome	
JR-	Jerome	JR-AZ
V15A	Kaibab National Forest USFS, William	
KG-AZ	Kingman	
KG-	Kingman	KG-AZ
KG-AS	Kingman	
KH-	Kohls Ranch	KH-AZ
KH-AZ	Kohls Ranch	
LGA	Laguna Mountains	
DUN6	Lazy B Ranch	
X16A	Lo Mia Camp, Pine	
LG-	Long Valley	LG-AZ
LG-AZ	Long Valley	
113A	Mohawk Valley, Roll	
MTLAZ	Mount Logan	
U14A	Mt Trumbull	
MMA	Mummy Mountain	
T17A	Navajo Res., Navajo Mountain	
NL-	Nazlini	NL-AZ
NL2	Nazlini	
NL-AZ	Nazlini	
NL2AZ	Nazlini	
U15A	North Rim	
Y19A	Nutrioso	
117A	Oracle	
214A	Organ Pipe National Monument, Ajo	
PGAZ	Page	
U13A	Pakoon Wash	
S15A	Panguitch	
PDMCI	Parker Dam,Lake Havasu City	
PY-	Payson	PY-AZ
PY-AZ	Payson	
Z16A	Peralta Trail, Apache Junction	
W18A	Petrified Forest	
PFA	Pierce Ferry	
QC-	Queen Creek	
Y17A	Roosevelt	
U18A	Rough Rock, Chinle	
SGI03	Saint George Infrasonic Array Site 3	
Y13A	Salome	
Z17A	San Carlos High School, San Carlos	
W19A	Sanders	
SLU	San Luis	
W14A	Seligman	
SG-AZ	Seligman	
SG-	Seligman	SG-AZ
U17A	Shonto	
X18A	Snowflake	
SF-	Snowflake	SF-AZ
SF-AZ	Snowflake	
115A	Sonoran Desert, Stanfield	
SV-AZ	Springerville	
SV-	Springerville	SV-AZ
X19A	St. Johns	
SN-	Sunflower	SN-AZ
SN-AZ	Sunflower	
SCN	Sunset Crater	
216A	Three Points, Tucson	
Z19A	T-Link Ranch, Clifton	
V17A	Tonalea, Kykotsmovi	
TFO	Tonto Forest Array	
THO	Tonto Hills Observatory	
TSL	Tsaile	
U16A	Tuba City	
TUC	Tucson	
TDM	Tucson Desert	
TUO	Tucson Observatory	
TUT	Tucson--Telemeter	
UOA	University of Arizona	
219A	White Tail Canyon, San Simon	
Y14A	Wickenburg	
WMZ	Williams	
WM-AZ	Williams	
WM-	Williams	WM-AZ
W15A	Williams	
V19A	Window Rock	
WO-AZ	Winslow	
W17A	Winslow	
WO-	Winslow	WO-AZ
Z14A	Wintersburg	
WUAZ	Wupatki	
X14A	Yava	
X13A	Yucca	
112A	Yuma	
YMD	Yuma Desert	
Z13A	Yuma Proving Gounds (US Army), Dateland	
Arkansas		
Z43A	Armstrong Family, Eudora	
AFAR	Ash Flat	
BK-AR	Bald Knob	
BK-	Bald Knob	BK-AR
W42A	Bald Knob	
X40A	Basin Creek Farm, Marlvern	
V44A	Blytheville	
CCAR	Cane Creek	
V38A	Canehill	
CW-	Conway	CW-AR
CW-AR	Conway	
V42A	Cord	
CRID	Crittenden County--Downhole	
CRIS	Crittenden County--Surface	
DLAR	Dell	
Y41A	Eaglette Bearden	
FAY	Fayetteville	
FAV	Fayetteville	
W40A	Ferguson Farm, Pottsville	
W43A	Forest City	
X39A	Fountain Ranch, Mena	
Y42A	Garnett, Star City	
W41B	Gary Mavity, Velonia	
U38A	Gravette	
X102	Greenbrier Site X102	
X201	Greenbrier Site X201	
X301	Greenbrier Site X301	
U39A	Green Forest	
HBAR	Harrisburg	
HCI	Hatchie Coon Island	
HHAR	Hobbs	
HOGG	Hoggard's Bluff	
IK-	Ink	IK-AR
IK-AR	Ink	
V43A	Jonesboro	
JHP	Judd Hill Plantation	
X41A	Kaden, Bauxite	
LGAR	La Grange	
LCAR	Lake Charles	
LVAR	Leachville	
LRA	Little Rock	
Y39A	Lockesburg	
Z40A	Long Farm, Magnolia	
LRDO	Lorado	
W39A	Magazine	
MSAR	Manila South	
MK-AR	Marked Tree	
MK-	Marked Tree	MK-AR
X43A	Marvell	
MY-AR	McCrory	
MY-	McCrory	MY-AR
MCAR	Mid-South CC	
MP-	Mountain Pine	MP-AR
MP-AR	Mountain Pine	
V41A	Mountainview	
MZ-	Mount Ida	MZ-AR
MIAR	Mount Ida	
MZ-AR	Mount Ida	
Z42A	Norrel Spur, Hamburg	
Y40A	Okolona	
OLY	Olyphant	
FCAR	Ozark Folk Center	
PGA	Paragould	
PV-AR	Perryville	
PV-	Perryville	PV-AR
V39A	Pettigrew	
POW	Powhatan	
QUAR	Qualls	
U43A	Rector	
U42A	Revenden	
Z41A	Richland Creek Farm, El Dorado	
X47A	Russelville	
SEAR	Searcy	
STAR	Star City	
X42A	Stuttgart	
W41A	Tony Mavity, Velonia	
TWAR	Twist	
UALR	University of Arkansas, Little Rock	
U41A	Viola	
WGAR	Walnut Grove	
WR-AR	Walnut Ridge	
WR-	Walnut Ridge	WR-AR
WLAR	White Oak Lake	
WLA	Wittsburg Lake	
V40A	Witts Springs	
X49A	Woodville	
WHAR	Wooly Hollow	
WY-AR	Wynne	
WY-	Wynne	WY-AR
U40A	Yellville	
California		
TN-	29 Palms	TN-CL
C024	33rd St Richmond	
C061	42nd Avenue Oakland	
O03C	Acorn Hollow, Los Molinos	
PADM	Adeladia	
ADL	Adelanto	
ADO	Adelanto Receiving Station	
VAK	Adit at Lawrence Berkeley Lab, Berkeley, CA	
GACM	Adobe Creek	
AVC	Adobe Valley	
AGAC	Agave Hill	
AGOC	Agoura	
AL1	Aidlin Power Plant 1	
AL2	Aidlin Power Plant 2	
AL3	Aidlin Power Plant 3	
AL4	Aidlin Power Plant 4	
AL6	Aidlin Power Plant 6	
AARM	Airport Road	
PAPM	Alder Peak	
GAS	Alder Springs	
GASB	Alder Springs	
ARDC	Alexander Ranch	
GAXM	Alexander Valley	
C053	Alexander Way Pleasanton	
NADM	Allendale	
JALM	Almaden	AMC
AMC	Almaden	
WASM	Alta Sierra Campground	
ALV	Alvord Mountain	
AMR	Amargosa	
AMS	Amos	
AIC	Anacapa Island	
BAPM	Anderson Peak	
CADM	Anderson Res.	ADR
ADR	Anderson Reservoir	
LT13	Angel Island	AGC
CAIM	Angel Island	AGC
AGC	Angel Island	
ALPC	Antelope	
PAGB	Antelope Grade	
PAGM	Antelope Grade	
LAMM	Antelope Mountain	
ANTCA	Antelope Range	
BAVM	Antelope Valley	
PARM	Anticline Ridge	
CACM	Antioch	
AN9*	Anzar Reservoir 9	
ANZ	Anzar Road	
HAZM	Anzar Road	ANZ
GARM	Arbuckle	
ARC	Arcata	
LASM	Arnica Sink	
CAOM	Arnold Ranch	ARN
ARN	Arnold Ranch	
AASM	Arroyo Seco	
ARVC	Arvin	
C013	Ascot Lane Oakland	
NAPC	Atlas Peak	
ADC	Auburn Dam	
BABR	Babbit Peak	
BACC	Bachelor Mtn.	
BKRC	Baker	
BF-	Bakersfield	BF-CL
BF-CL	Bakersfield	
BALC	Balcom Canyon	
CBLG	Bald Mountain Lookout	
BHPC	Baldwin Hills Oil	
GBMM	Baldy Mountain	
BREC	Barre Substation	
BAR	Barrett	
KBRM	Barry Ridge	
PBRM	Bassetti Ranch	
LBMM	Bass Mountain	
BATC	Bat Cave Butte	
BBEB	Bay Bridge East	
E17B	Bay Bridge East Pier 17	
E07B	Bay Bridge East Pier 7	
W02B	Bay Bridge West Pier 2	
W05B	Bay Bridge West Pier 5	
KBBM	Bear Butte	
BCCC	Bear Creek Country Club, Murrieta	

Code	*Station Name*	*Other*
JBCM	Bear Creek Road	LT15
LT15	Bear Creek Road	
BGH	Bear Gulch	
JBGM	Bear Gulch	BGH
BMTC	Bear Mountain	
BVLM	Bear Valley	BVL
BVL	Bear Valley	
BVC	Bear Valley Observatory	NOLM
PKD	Bear Valley Ranch, Parkfield	
BBSC	Beaumont Base	
BEKR	Beckworth	
BBR	Beebe Ranch	
NBRM	Beebe Ranch	BBR
NBRB	Beebe Ranch Broadband	
LBPM	Beegum Peak	
BELC	Belle Mtn. Joshua Tree, Twentynine Palms	
KBSM	Bell Springs	
JBNB	Ben Lomond Mountain, Santa Cruz County	
BNLO	Ben Lomond (Santa Cruz Mountains)	
BENR	Benton	
BKS	Berkeley--Byerly	
BRK	Berkeley--Haviland	
NBPM	Berryessa Peak	
BRTC	Bertell Ranch	
BVH	Beverly Hills	
N02C	Big Bar	
BBC	Big Bear	
BBRC	Big Bear Solar Observatory, Big Bear Lake	
BC3	Big Chuckawalla Mtns, Desert Center	
BC2	Big Chuckwalla Mountains 2	
GBDM	Big Darby	
LBGM	Big Gulch	
R04C	Big Horse Ranch, Ione	
BMM	Big Maria Mountains	
BBGM	Big Mountain	
BBGB	Big Mountain Broadband	
BCKR	Birch Creek	
WBSM	Bird Springs	
BP-	Bishop	BP-CL
BHPR	Bishop	
BP-CL	Bishop	
BCW	Bitter Crk WRge	
BTW	Bitterwater Creek	
PBWM	Bitterwater Creek	BTW
PBPM	Bitterwater Pump Station	
BLCC	Black Canyon	
BCHM	Black Canyon North	
BDM	Black Diamond Mines Park, Antioch	
LBFM	Black Fox Mountain	
JBMM	Black Mountain	
BLDC	Black Mountain	
BMRR	Black Mountain	
BLKC	Black Mountain	
GBOM	Black Oak	
BLAC	Blackrock camp	
MBFM	Blanchard Fire Station	
C072	Blauer Lane San Jose	
OBHM	Bloomer Hill	
C030	Blue Jay Drive Morgan Hill	
KBNM	Bluenose Ridge	
BLU	Blue Ridge	
Y12C	Blythe	
BLYC	Blythe	
ABJM	Bob Jauregui Ranch	
BODR	Bodie	
GBGM	Boggs Mountain	
LT16	Bolinger Road	BGC
CBRM	Bolinger Road	BGC
BGC	Bolinger Road	
BOMB	Bombay Beach	
5271	Bombay Beach	
LBKM	Bonanza King	
BON	Bonds Corner	
BRGC	Borrego Mountain	
BORC	Borrego Springs	
BRP	Bottle Rock Power	
V05C	Boulder Hill, Kettleman City	
BCH	Branch Mountain	
WBMM	Breckenridge Mountain	
C015	Bright Common Fremont	
BRIB	Briones	
SBRN	Brisbane	
BSCP	Brocks Farm	
CBWM	Brookwood Res.	BKC
BKC	Brookwood Reservoir	
ABRM	Brophy Road	
C009	Brunell Drive Oakland	
C064	Brunell Drive Oakland No2	
BTCC	Brunts Corner	
PBYM	Bryson	
CBZL	Buffer Zone	
BL67	Building 67, Lawrence Berkeley Lab, Berkeley, CA	
BL88	Building 88, Lawrence Berkeley Lab, Berkeley, CA	
BTPC	Burnt Peak	
BTL	Butler Peak	
LBCM	Butte Creek Rim	
JBZM	Buzzard Lagoon Road	
BZNA	Buzz No.'s Place	
CBSM	Byron Hot Springs	
CBSNC	Byron Hot Springs, Alameda County	
CTCC	Cactus City	
WCFM	Cactus Flat W	CFWM
CFWM	Cactus Flat West	
WCPM	Cactus Peak W	CPTM
CPTM	Cactus Peak West	
CAD	Cady Mountains	
JCHM	Cahill Ridge	
KCPM	Cahto Peak	
CAHC	Cahuilla Valley	
CALB	Calabasas	
CALM	Calaveras Res.	CVR
CVR	Calaveras Reservoir	
CLTC	Calectric	
CB2	Calero Reservoir	
5053	Calexico	
CCAC	Calif City Airpt	
CALC	California City	
CSH	California State, Hayward	
CLIC	Calipatria	
CLI2	Calipatria 2	
CLS	Calistoga	
M02C	Callahan	
C062	Calle Reynoso Pleasanton	
CPPC	Cal Poly Pomona	
BAKC	Calstate	
CSHM	Cal. St., Hayward	CSH
CBCC	Caltech Broad	
CACC	Caltech Cellar	
GSA	Caltech--GSA	
CRPC	Caltech Rob'n Pit	
CAMC	Camarillo Hills	
PCBM	Cambria	
JBLM	Camp Ben Lomond	
CPE	Camp Elliot	
109C	Camp Elliot, Miramar	
CP-CL	Campo	
CP-	Campo	CP-CL
CPT	Camp Pendleton	
KSXM	Camp Six	
KSXB	Camp Six Broadband	
HCAM	Canada Road	CDC
AN7*	Canada Road	CDC
CDC	Canada Road	
CBKC	Canebrake	
NCFM	Canfield Road	
KCTM	Capetown	
CAPCA	Capra Ranch	
C073	Carlos Bee Bl Hayward	
CVS	Carmenet Vineyards, Sonoma	
CRQB	Carquinez Bridge	
CRR	Carrizo Plain	
CARC	Carrizo Plain	
MCHM	Carson Hill	CRH
CRH	Carson Hill	
CRY	Cary Ranch	
MCBM	Casa Benchmark	
DBOG	Casa Diablo	
MCSM	Casa Diablo Hot Springs	
CASR	Casa Diablo Mountain	
CJV	Casa Juvan	
BCD	Casitas Dam	
BCL	Casitas Lake	
TCAS	Cass Winery, Paso Robles	
LCAM	Castella	
CTM	Castle Mountain	
PCAM	Castle Mt.	CTM
CRC	Castle Rock	
GCRM	Castle Rock Springs	
CTD	Catalina Dam	
CIAC	Catalina I. Airport	
CIU	Catalina Island	
CIS	Catalina Island Airport, Avalon	
NCDM	Cavedale Road	CRD
CRD	Cavedale Road	
CAVC	Cave Mountain	
CED	Cedar Springs	
CSP	Cedar Springs	
CFSC	Central Fire St	
MCEM	Central Site	
C051	Centre Court Alameda	
PCGM	Cerro Alto Campground	
CGO	Cerro Gordo	
KCRM	Chalk Rock	
CBC	Chamberlain	
HCBM	Chamberlain	CBC
GCBM	Chamberlain Ridge	
CSR	Chase Ranch	
HCRM	Chase Ranch	CSR
AN6*	Chase Ranch	CSR
CMH	Chemehuevi Mountains	
JCBM	Chesbro Res.	CBO
CB1	Chesbro Res. 1	ADR
CB3	Chesbro Res. 3	COE
CB4	Chesbro Res. 4	ARN
CB5	Chesbro Res. 5	SVC
CB6	Chesbro Res. 6	CVR
CB8	Chesbro Res. 8	
CBO	Chesbro Reservoir	
O04C	Chester	
BCWM	Chews Ridge	
CCO	Chico	
MCDM	Chidago Canyon	
CFL	Chilao Flats	
CHFC	Chilao Flat Sta	
WCHM	Chimney Peak	
WCGM	China Gardens	CGSM
CGSM	China Gardens South	
CLC	China Lake	
GPO	China Lake	
WCXM	China Lake Receiver Site	
CHNC	Chino	
CH2	Chocolate Mountain	
COT	Chocolate Mountains	
CCRB	Cholame Creek	
PCMM	Cholame Hills	
CVC	Cholame Valley	
CCCA	Chr Cany lake	
C018	Christie Drive Martinez	
XMS	Christmas Canyon	
CHP	Chuchupate	
CCX	Cicese	
AN14*	Cienega Rd	BCGM
BCGM	Cienega Road	
GCK	Clark Valley	
GCVM	Cloverdale	
COA	Coachella	
GCMM	Cobb Mountain	
CCOM	Coe Ranch	COE
COE	Coe Ranch	
CCOB	Coe Ranch Number 3	
OCHM	Cohasset Ridge	
LCMM	Colby Mountain	
GCSM	Cold Spring Mountain	
KCSM	Cold Springs	
CWCR	Coldwater Canyon	
R06C	Coleville	
LCSM	College of the Siskiyous	
SCCM	Colson Canyon	
BCC	Colson Canyon	
CMB	Columbia College	
C011	Colusa Avenue, El Cerrito	
COOC	Compton	
CNC	Concord--Diablo Valley College	
MCVM	Convict Lake	
MCMM	Convict Lake	
CKC	Cook Canyon	
WCOM	Cook Peak	
COK	Cook Ranch	
CPM	Copper Mountain	
MCUM	Copperopolis	
MCUB	Copperopolis Broadband	
HCZM	Cordoza Dairy	
HCOM	Corn Cob Canyon	
CRNC	Corona	
COQ	Corona Quarry	
CSTL	Corral Hollow	
CBHM	Coso Basin North	
WCSM	Coso Springs S	CSSM
CSSM	Coso Springs South	
C003	Cottage Court Castro Valley	
C055	Cottonwood Avenue, Hayward	
CWC	Cottonwood Creek, Lone Pine	
CTW	Cottonwood Mountains	
GCWM	Cow Mountain	
CO2	Coxcomb Mountains 2	
CYD1	Coyote D'meter	
CCYM	Coyote Hills	
LT8	Coyote Hills	CYH
CYH	Coyote Hills	
COY	Coyote Mountain	
JCPM	Coyote Point	
CFT	Crafton Hills	
C035	Crawford Street Concord	
PCCM	Crazy Canyon	
M01C	Crescent City	
LCFM	Crescent Cliff	
CSL	Crestline	
HCPM	Crevison Peak	
CRGC	Crocker Grade	
CCNM	Crow Canyon Rd	CYC
CYC	Crow Canyon Road	
CLKR	Crowley Lake	
XTL	Crystal Lake, Glendora	
PCRM	Curry Mountain	
DLT	Dalton	
CDAL	Dalton Road	
DANC	Danby, Needles	
DAC	Darwin (Calif)	
DPD	Davis Peak	
C022	Davis Street Fremont	
MDCM	Deadman Creek	
DV-CL	Death Valley	
DV-	Death Valley	DV-CL
DSP	Deep Springs	
DLAC	Del Amo	
CL1	Del Valle	CDVM
CDVM	Del Valle	
DHS	Desert Hot Springs	
DREC	Desert Rsrch Ctr	
DSCC	Desert Studies Ctr	
DTP	Desert Tortoise Park	
DVTC	Desert View Tower, Jacumba	
DEVC	Devers	
DVL	Devil Canyon	
DKNM	Devils Kitchen North	
MDPM	Devils Postpile	
MDPB	Devils Postpile Broadband	
C056	Diablo Avenue Hayward	
DCD	Diablo Creek	
DIR	Diamond Ranch	
LDBM	Digger Butte	
HDLM	Dillon Ranch	DIL
AN5*	Dillon Ranch	DIL
DIL	Dillon Ranch	
C070	Dillo Street San Leandro	
MDRNC	Doe Ridge	
PDRM	Domengine Ranch	
DGR	Domenigoni Valley Reservoir	
DJJ	Donna J Jenkins	
DONR	Donner Summit	
CDSM	Don Santos Ranch	
DOO	Doolan Road	
CDOM	Doolan Road	DOO
DPP	Dos Picos Cty Pk	
P01C	Double 8 Ranch, Willits	
DB2	Double Butte	
DBM	Double Mountain	
DHB	Downhole Baldwin Hills	
GDCM	Dry Creek	
MDYM	Dry Creek	
ADWM	Drytown Water District	
DUC	Duarte Ranch	
DTEM	Dunmovintown East	
NDHM	Dunnigan Hills	
DNR	Dunn Ranch,Anza	
CDUM	Durate Ranch	DUC
EADB	Eade Ranch	
T05C	Eagle Field, Dos Palos	
ELFS	Eagle Lake Field Station, Susanville	
EAG	Eagle Mountain	
MEMM	East Mammoth Hills	
EMSC	East Mesa	
C058	Eastshore Drive Alameda	
EWC	East Wide Canyon	
EBP	Ebbets Pass	
ECF	Echo Falls	
RRX	Edison Barstow Service Cntr. Barstow	
EDW2	Edwards Air Force Base 2, Rosamond	
EDW	Edwards Air Force Base,Rosamund	
O01C	Eel River Conservation Camp, Redway	
ECA	El Cajon	
C041	El Campo Drive San Jose	
ECC	El Centro	
JEGM	El Granada	
EKH	Elkhorn Ranch	
BEHM	Elkhorn Ranch	EKH
HERM	Elkhorn Road	
EKR	Elk River	
JELM	Ellicott	
JELB	Ellicott, Santa Cruz County	
ELMC	El Mirage	
EL2	El Mirage 2	
EML	El Monte Cty Pk	
ELRC	Elmore Ranch	
ERRC	Elmore Ranch	
ESGS	El Segundo	
ELS	Elsinore Mountain	
TEJ	El Tejon	
EMB	Emerald Bay	
EFD	Emergency Operations Facility	
EMT	Emmet	
BEMM	Emmet	EMT
LT11	Empire Grade Rd	EGR
EGR	Empire Grade Road	
ERPC	Ernies Place	
C028	Eucalyptus Rd Berkeley	
LT12	Eureka Canyon	EUC
EUC	Eureka Canyon	
JECM	Eureka Canyon	EUC
JECB	Eureka Canyon	
C029	Evergreen Court Danville	
EW2	E Wide Canyon 2	
EXSG	Experiment Station	
FAL	Falling Springs	
FARB	Farallon Islands	
NFIM	Farallon Islands	
FRGC	Fargo Canyon	
KFPM	Farley Peak	
C002	Farnham Drive Newark	
FEA	Feather Falls	
FER	Ferndale	
C050	Festivo Court Fremont	
FHC	Fickle Hill	
AFRM	Fiddyment Ranch	
FIGC	Figueroa Mtn.	
FIL	Fillmore	
C001	Firth Court Fremont	
MFBM	Five Bridges	
C040	Flannery Road San Pablo	
FLSC	Flash Two Peak	
C067	Fleetwood El Sobrante	
HFHM	Flint Hills	
FON	Fontana	
JFP	Foothills Park , Santa Clara County	
FRD	Ford Ranch, Anza	
AFDM	Forest Hills Divide	
AFHM	Forest Hill Site	
C007	Forest Lane Berkeley	
AN2*	Forsythe	
FMA	Fort MacArthur	
FMP	Fort Macarthur Park, San Pedro	
FTR	Fort Ross	
FTC	Fort Tejon	
FOXC	Fox Airport	
FOX	Fox Creek	
FNF	Frandzen Federal Estate	
HFPM	Fremont Peak	FRP
FRP	Fremont Peak	
FRE	Fresno	
FRI	Friant	
FRK	Frink	
FROB	Froelich Ranch	
FULC	Fullerton	
FLAS	Fullerton Airport	
FUM	Fumarole	
FMT	Funeral Mountains	
GFC	Funks Creek	
FURC	Furnace Creek,Death Valley	
GALC	Galileo	
LGMM	Garner Mountain	
GVDA	Garner Valley	
GVRC	Garvey Reservoir	
CGPM	Gavin Park	
GGPM	Geyser Peak	
GDXM	Geysers	
GHS	Gilroy Hot Springs	
HGSM	Gilroy Springs	GHS
HGWM	Gilroy West	
GLA	Glamis	
C033	Glashaus Lp Emeryville	
GAV	Glen Avon	
C012	Glenmawr Avenue, El Cerrito	
GGLM	Glenview	
GATR	Gnd/Air Tx Cntr	
GTM	Goat Mountain	
C025	Golden Eagle Way Pleasanton	
PK1	Gold Hill	GHC
PGHM	Gold Hill	GHC
GHC	Gold Hill	
GHIB	Gold Hill	
AGIM	Gold Rush Inn	
GSC	Goldstone, Barstow	
C034	Goodrich Way Fremont	
PGWM	Grace West	
GCC	Granite Creek	
GMRC	Granite Mountains Research Center, Essex	
GRP	Granite Pass	
LGPM	Granite Peak	
GVN	Grapevine	
GRAC	Grapevine Ranger Station, Death Valley	
MGPM	Gravel Pit	
LGBM	Gray Butte	
GORC	Green Oak Ranch	
VSTC	Green Oak Ranch, Vista	
GVR	Green Valley Road	
DECC	Green Verdugo Microwave Site, Sunland	
GWV	Greenwater Valley	
GWY	Greenwater Valley	
LGRM	Grenada	
GR2C	Griffith Obs. 2	
GOC	Griffith Observatory	
GFP	Griffith Park	
LGHM	Grouse Hill	
KGMM	Grouse Mountain	
GGUM	Gualala	
AHDM	Hacienda Drive	
HAI	Haiwee	
HWSM	Haiwee Spring South	

Code	Station Name	Other
WHSM	Haiwe Spring S	HWSM
GHOM	Hamilton Opening	
HMR	Hamilton Ranch	
WHFM	Hanning Flat	
HWB	Hans Werner Braun Residence, San Diego	
PHAM	Harlan Ranch	
AHRM	Harold F. Ross	
HRC	Harris Ranch	
HAST	Hastings Reserve	
BHSM	Hastings State Park	
LHCM	Hat Creek	
HATC	Hat Creek Radio Observatory, Hat Creek	
C063	Havenscourt Bl Oakland	
WHVM	Havilah	
HAV	Havilah	
C045	Hawkins Drive San Ramon	
HAY	Hayfield	
KHBM	Hayfork Bally	
HYS	Haystack Butte	
NHBM	Healdsburg	
PHCM	Hearst Castle	
HEC	Hector,Ludlow	
C057	Hedge Avenue Brentwood	
PHFM	Heflinger Ranch	
HMTC	Hemet	
HERB	Hercules	
LHEM	Herd Peak	
U04C	Hernandez Reservoir, Idria	
PHRM	Hernandez Valley	HVC
HVC	Hernandez Valley	
PHSM	Hesperia	
PHSB	Hesperia Broadband	
HDB	Hidalgo Marine Base	
HDG	Hidalgo Mountain	
MHDM	Hidden Dam	
C066	Highgate Road Kensington	
LHHM	High Hole Crater	
HLNC	Highland	
GHLM	Highland Springs	
GHVM	High Valley	
HTCR	Hilton Creek	
LHMM	Hirz Mountain	
LHOM	Hoadley Peaks	
HBT	Hobart Mills	
HBM	Hobart Mills	
HOD	Hodge	
BHRM	Hodges Ranch	
GHGM	Hogback Ridge	
PHGM	Hog Canyon	
HOLC	Holcomb Ridge	
JHLM	Holstrom Ranch	
5054	Holtville Bonds Crnr Olima	
HCC	Holy Cross	
OHCM	Honcut	
PHPM	Hope Ranch	
HOPS	Hopland Field Station, Hopland	
KHMM	Horse Mountain	
HOT	Hot Springs Mountain	
GHCM	House Creek	
JHPM	Huddart Park	
JHUM	Huhtala Lane, Santa Cruz County	
GHMM	Hull Mountain	
HBW	Humming Bird West	
V03C	Hunter Liggett MR Jolon	
PHBM	Huron Fishing Bridge	
C038	Hutchings Drive San Leandro	
IBP	Imperial Boulder Park, Ocotillo	
IND	Independence	
PIVM	Indian Valley	
INDC	Indio Hills	
S04C	Ingram Canyon, Westley	
ING	Ingram Ranch	
IKP	In-Ko-Pah, Jacumba	
INS	Inspiration	
IRS	Iris	
IRC	Iron Canyon	
IR2C	Iron Canyon	
NIMB	Iron Mountain	
IRM	Iron Mountain Pumping Sta,Desert Center	
IRN	Iron Mountains	
KIPM	Iron Peak	
ISA	Isabella, Lake Isabella	
PIRM	Iverson Ranch	
JCC	Jacoby Creek, Bayside	
JAS1	Jamestown	
JAS	Jamestown	
JRSC	Jasper Ridge	
JCNB	Joaquin Canyon North	
JCSB	Joaquin Canyon South	
JJRM	Joaquin Road	
KJJM	Johnny Jack Ridge	
HJSM	John Smith Road	
BJCM	Johnson Can.	JHC
AN15*	Johnson Can.	JHC
JHC	Johnson Canyon	
WJPM	Johns Peak	
PJRM	Jolon Road	JOL
JOL	Jolon Road	
JFS	Joseph F. Staten	
JRC2	Joshua Ridge	
JRWM	Joshua Ridge West	
JTR	Joshua Tree Park	
SNDA	J Saunders Place	
JULC	Julian	
JNH	Juniper Hills	
PJUM	Juniper Ridge	
C042	Juniper Way Moraga	
KCC	Kaiser Creek	
KPK	Kanaka Peak	
KEE	Keen Camp Maintenance Station	
C026	Kell Court Alamo	
KFC	Kentfield	
WKTM	Kern-Tulare	
PKLM	Kerr Lake	
KKPM	Kettenpom Peak	
PKEM	Kettleman Hills	
KYP	Key Point	
HKRM	Kincaid Ranch	
KRC	King Ranch	
R05C	Kirkwood Meadows Resort, Kirkwood	
KNO	Knox Ranch	
KBY	Kobayashi Ranch	
KM-	Kramer	KM-CL
KM-CL	Kramer	
KBF	Kyburz Flat	
LCGC	La Cienega, Culver City	
LPC	La Cumbre Peak	
BLG	Laguna Peak, Port Hueneme	
LT5	La Honda	
LJC	La Jolla	
CLCM	Lake Chabot	LKC
LKC	Lake Chabot	
CLCB	Lake Chabot	
NLHM	Lake Herman	
LHU	Lake Hughes	
J061	Lakeshore Drive, S. Francisco	
LGC	Lakewood Golf Course	
C060	Lambert Place Union City	
LANC	Lancaster	
LAC	Landers	
LDFC	Landfair	
LAQC	La Quinta	
LCH	Last Change Range	
ALAM	Latrobe	
LRCG	Laurel Creek	
MLCM	Laurel Creek Canyon	
JLAB	Laurel Hill	
JLAM	Laurel Hill	
LRMC	Laurel Mtn Radio Fac, Ridgecrest	
LAVA	Lava Cap Winery, Placerville	
LAVC	Lavic	
C027	Lawnview Circle Danville	
ADIT	Lawson Adit, UC Berkeley, California	
LED	Lead Mountain	
R07C	Lee Vining	
WLPM	Leibel Peak	
LEOC	Leona Valley	
BLRM	Lewis Ranch	
JLXM	Lexington Res.	LXR
LXR	Lexington Reservoir	
M06C	Likely Place Golf, Likely	
Q04C	Lincoln	
ALNM	Lincoln	
MLIM	Lincoln Peak	
LOC	Lincoln School	
HLPM	Lions Peak	
LITR	Litchfield	
LCCB	Little Cholame Creek	
LTC	Little Chuckwalla Mountains	
WLHM	Little Horse	
MLHM	Little Hot Creek	
LTM	Little Maria Mountains	
LMHM	Little Mount Hoffman	
BRVM	Little Rabbit V.	LRV
LRV	Little Rabbit Valley	
LRRC	Littlerock Reservoir	
C006	Lk Pillsbury D Fremont	
LLA	Llanada	
LLAC	Llano	
LOK	Lockwood Valley	
JLPM	Loma Prieta	
LOMS	Lomita	
BLP	Lompoc	
LRC	Lone Oak Road	
PLOM	Lone Oak Road	LRC
LN9	Lone Pine	
HLTM	Lone Tree Road	LTR
LTR	Lone Tree Road	
C016	Longford Drive San Jose	
M05C	Lookout	
LMCR	Lookout Mountain	
LMS	Lookout Mountain Observatory	
LMO	Lookout Mountain Observatory	
LNAS	Los Alamitos	
LCM	Los Angeles Museum of Natural History	
LSDC	Los Osos Digital	
JLTM	Los Trancos	LTW
JTRM	Los Trancos Road	
LTW	Los Trancos Woods	
LJB	Lovejoy Buttes	
LOY	Loyalton	
LUL	Lundy Lake	
M04C	Macdoel	
MGL	Magalia	
KMRM	Mail Ridge	
C044	Maitland Drive Alameda	
MLKM	Mammoth Lakes	
MMLB	Mammoth Lakes Knolls	
MLAC	Mammoth, Mammoth Lakes	
MMPM	Mammoth Pass	
MMSM	Mammoth Summit	
C005	Mandana Bl Oakland	
MPMC	Manual Prospect Mine,Trona	
LMEM	Manzanita Entrance	
MLC	Manzanita Lake	
LMZM	Manzanita Lake	
MCA	Marble Canyon	
MCCM	Marconi Conference Center, Marshall	
MARC	Maricopa	
MHDL	Marin Headlands	
MAC	Mark West Springs	
NMWM	Mark W Springs	MAC
MIRC	Martinez Indian Reservation	
MPK	Martis Peak	
MV-CL	Marysville	
MV-	Marysville	MV-CL
PMRM	Maxey Ranch	
GMMM	Mayacamas Mountains	
C032	McCall Drive, Benicia	
M03C	McCloud	
MFSM	McCloud Flat S	MFS
MFS	McCloud Flat South	
C031	McGee Avenue Berkeley	
MGNR	McGee Canyon	
MNRC	McLaughlin Mine	
HOME	McLaughlin Mine	
GMCM	McLaughlin Ranch	
PMCM	McMillan Canyon	
BMCM	McPhails Peak	
PKM	Mcpherson Peak, Los Olivos	
MYIG	Me@15rida	
C021	Meadowview Drive Castro Valley	
MECC	Mecca Hills	
LMDM	Medicine Lake	
LT7	Menlo Park	MOB
MOB	Menlo Park	
JMPM	Menlo Park	
S05C	Merced	
BMSM	Mercy Hot Springs	
C036	Merkley Row, San Jose	
MMIM	Miami Mountain	
MMNB	Middle Mountain	
NMTM	Middletown	
CMPM	Mikes Peak	
JMGM	Milagra Ridge	MGA
MGA	Milagra Ridge	
LMPM	Military Pass	
MILG	Mill City	
MLL	Mill Creek	
NMCNC	Mill Creek, Sonoma County	
T06C	Millerton Lake Dam, Friant	
CMCM	Mills College	
MLNR	Milner Canyon	
MINS	Minaret Summit	
MIN	Mineral	
CMNM	Mines Road	
MNR	Mines Road	
CL2	Mines Road	CMNM
CB9	Mines Road	MNR
CMRM	Mines Road	MNR
MLSC	Mira Loma	
CMJM	Mission San Jose	MSJ
MSJ	Mission San Jose	
HELL	Mitchell Peak, Miramonte	
MMWM	Mi Wuk Village	
MIX	Mix Canyon Road	
NMXM	Mix Canyon Road	MIX
C068	Mocine Avenue Hayward	
MOD	Modoc Plateau	
GMOM	Moffitt Ranch	
MRD	Mojave River Dam	
MOP	Monarch Peak	
PMPM	Monarch Peak	MOP
PMPB	Monarch Peak	
MCCR	Mono Craters	
MCRR	Mono Craters	
ML3	Mono Lake	ML3CL
ML4CL	Mono Lake	
ML2CL	Mono Lake	
ML1CL	Mono Lake	
ML1	Mono Lake	ML1CL
ML2	Mono Lake	ML2CL
ML3CL	Mono Lake	
ML4	Mono Lake	ML4CL
MONR	Mono Valley	
B040	Montague	
MTB	Montebello Ridge	
HMOM	Monterey	MTR
MTR	Monterey	
MOBB	Monterey Bay OB	
MONP	Monument Peak, Mt. Laguna	
MONP2	Monument Peak TA Vault, Mt. Laguna	
CMOM	Morgan Territory	MTC
MTC	Morgan Territory	
CMOB	Morgan Territory	
LT17	Morgan Territory	MTC
MRVC	Morongo Valley	
ABL	Mount Abel	
BFSC	Mount Baldy Ranger Station	
MBUM	Mount Bullion	
MDA	Mount Davis	
MDC	Mount Diablo	
MHC	Mount Hamilton	
MHR	Mount Hamilton Road	
LHKM	Mount Harkness	
BMHM	Mount Harlan	
BJOM	Mount Johnson	
GMKM	Mount Konoctai	
LAS	Mount Lassen	
CMLM	Mount Lewis	
PMLM	Mount Lospe	
CMMM	Mount Mocho	
OLYC	Mount Olympus	
COSM	Mount Oso	
KMPM	Mount Pierce	
MPI	Mount Pinos, Frazier Park	
NMHM	Mount Saint Helena	
SHC	Mount Saint Helena	
NHSM	Mount Saint Helena South	
SGL	Mount Signal	
NTPM	Mount Tamalpais	
JUMM	Mount Umunhum	
MWC	Mount Wilson	
O02D	Mt. Diablo Meridian	
NHMM	Mt Hamilton Road	HMR
CB10	Mt Hamilton Road	MHR
CMHM	Mt Hamilton Road	MHR
MURC	Murrieta	
C037	N 15th Street San Jose	
C046	N 16th Street San Jose	
GNAM	Navarro Ridge	
ND-	Needles	ND-CL
NEE	Needles	
ND-CL	Needles	
NEE2	Needles Airport, Needles	
NEG	NEGU Pad	
JNAM	New Almaden Mine	
MNHB	New Hogan Dam	
MNHM	New Hogan Reservoir	
NW2	New River	
CNIC	Niles Canyon	
NMC	Nine Mile Canyon	
WNMM	Nine Mile Canyon	NMC
NJQ	Nojoqui County Park, Las Cruces	
NOP	Nopah Range	
CNCM	Norris Canyon Road	
HLLC	North Hollywood	
NOCG	North-of-Casa	
WOFM	Oak Flat	
OAT	Oat Mountain	
OBB	Obsidian Butte	
MOYM	O'Byrne Ferry	
OBS	Ocean Bottom Seismometer	
HORM	O'Connell Ranch	OCR
OCR	O'Connell Ranch	
OHLN	Ohlone	
OMM	Old Mammoth Mine	
OMMB	Old Mammoth Mine - surface	
OLC	Olema	NOLM
NOLM	Olema	
WORM	Onyx Ranch	
AOHM	Oregon House	
ORCC	Oricopia Mountain	
KOMM	Orleans Mountain	
ORV	Oroville	
OSI	Osito Audit: Castaic Lake Dam, Castaic	
AODM	Outingdale	
ORC	Owens River	
OXMT	Ox Mountain	
HPLM	Pacheco Lake	PCL
HPCM	Pacheco Lake	
AN4*	Pacheco Lake	PCL
PCL	Pacheco Lake	
PACP	Pacheco Peak	
C049	Pacific Avenue Alameda	
PAM	Palermo	
PMD	Palm Desert	
PSP	Palm Springs	
PAC	Palo Alto--Branner	
PLM	Palomar	
LT18	Palomares Rd	PLC
CPLM	Palomares Road	
PLC	Palomares Road	
PVR	Palos Verdes	
PVPS	Palos Verdes	
PVRC	Palos Verdes	
PANV	Panamint Range	
PGE	Panamint Range	
C043	Panoramic Way, Berkeley	
PRS	Paraiso	
PDE	Pardee, Santa Clarita	
PKD1	Parkfield	
PKF	Parkfield Array	
PPFM	Parkfield Array	PKF
PKH	Park Hill	
HPHM	Park Hill	PKH
PAS	Pasadena	
PASC	Pasadena Art Cn	
PPRM	Paso Robles	
PWTG	Paul Wright Trailer	
O03E	Paynes Creek	
O03D	Paynes Creek	
PTV	Peach Tree Valley	
PPTM	Peach Tree Valley	PTV
PKC	Peckham Road	
AN8*	Peckham Road	PKC
HPRM	Peckham Road	PKC
PEC	Perris	
PRR	Perris	
PSD	Pescadero	
JPC	Peters Creek, San Mateo County	
BPFM	Pfieffer Point	
PIC	Picacho Peak	
KPPM	Pickett Peak	
PCC	Pilarcitos Creek	
PLT	Pilot Knob	
XPFO	Pin@16on Flat	
BPCM	Pine Canyon	
BPCNC	Pine Canyon	
PNC	Pine Canyon	
AN1*	Pine Canyon	PNC
PFR	Pine Flat Road	
PEM	Pine Mountain	
GPMM	Pine Mountain	
BPIM	Pinnacles	
CPIM	Pinole Ridge	
I57US	PINON FLAT INFRASONIC ARRAY REFERENCE POINT	
TPFO	Pinon Flats	
PNMC	Pinto Mountains	
PFO	Pinyon Flats Observatory	
BPPM	Pinyon Peak	
PPK	Piper Mountain	
PIU	Piute Mountains	
PZC	Pizona Creek	
GFTM	Plant 15--Mercuryville	
CPNM	Pleasanton	
PEV	Pleasant Valley	
JPLM	Pleasant Valley	PEV
PLEC	Pleito Hills	
GAFM	Point Arena AFB	
PT2	Point Dume	
CPMM	Point Molate	
NPRM	Point Reyes	
PRC	Point Reyes	
PSUR	Point Sur Hydrophone	
POCCA	Poleta Canyon	
POB	Polly Butte	
POM	Pomona	
PCF	Pomona	
BPRM	Ponciano Ridge	
C065	Ponderosa El Sobrante	
LPDM	Pondosa	
APRM	Poppy Hill Road	
JPPM	Portola Park	LT3
LT3	Portola State Park	
PPO	Portuguese Canyon 2	
C048	Posada Way Fremont	
BPOM	Post Ranch	
POTR	Potrero Hills, Fairfield	
CB7	Poverty Ridge 1	
RDG13	Poverty Ridge 1, Station 3	
JPRM	Presidio of San Francisco	
PRI	Priest	
TSCN	Private Property, Shandon	
TRAM	Private Property, Shandon	
PSRC	Puddingstone Reservoir	
PYR	Pyramid	
C059	Quail Canyon Rd San Jose	
QAL	Quail Lake	

Code	Station Name	Other
QSM	Queen of Sheba Mine	
AN13*	Quien Sabe	QSR
HQRH	Quien Sabe	QSR
QSR	Quien Sabe Ranch	
O05C	Quincy	
KRKM	Rackout Springs	
MRFM	Railroad Flat South	
RAMR	Ramage Ranch	
V04C	Ramage Ranch, Paso Robles	
LCL	Rancho Los Cerritos	
GRNM	Rancho Navarro	
RPV	Rancho Palos Verdes	
ORAM	Rattlesnake Point	
RAY	Raywood Flat	
RMNB	Reason Mountain	
RCH	Reche Mountain	
RCP2	Recreation Park	
RCTC	Rector, Farmersville	
O02C	Red Bluff	
MRDM	Red Cones	
LRDM	Redding Peak	
KRMB	Red Mountain	
KRMM	Red Mountain	
MRCM	Red Rock Canyon	
JRRM	Redwood Retreat	
C052	Regaby Place Court San Jose	
WRCM	Renegade Can. W	RCWM
RCWM	Renegade Canyon West	
RYS	Reyes Peak	
C020	Rhoda Avenue Oakland	
ARWM	Richard P. Wilkes	
RFSB	Richmond Field	
RSRB	Richmond-San Rafael Bridge	
ARRM	Rickey Ranch	
RMR	Rimrock	
RVM	Rio Vista Mine	
RVR	Riverside	
RSBC	Riverside Borehole	
RVS	Riverside Mountains	
PRCM	Roach Canyon	
ARJM	Robert W. Jensen	
RCCR	Rock Creek Canyon	
MRHM	Rocky Hill	
JRGM	Rodeo Gulch Road	
KRPM	Rodgers	
ROD	Rodman Mountain	
BRMM	Rolling Bench Mark	
RHC	Rose Hills Cemetery, Whittier	
RSE	Rose Pump	
RVCM	Rose Valley Central	
WRVM	Rose V. Central	RVCM
C069	Rotal Creek Pleasanton	
CRHM	Round Hill Res.	
GRMM	Round Mountain	
GROM	Round Mountain	
RDM	Round Mountain	
RMT	Round Mountain	
GRTM	Round Top Mountain	
RUBR	Rubicon Trail	
RGP	Ruby Glebe Property	
CRPM	Russellman Park	
CRPB	Russellman Park	
C047	Rutherford Drive Danville	
RUN	Ruthven	
SACC	Sacramento, California	
SBB	Saddle Back Butte	
SBKC	Saddleback Mountain	
SADC	Saddle Peak	
LSHM	Sage Hen Hill	
HSFM	Saint Francis Retreat	
NSHM	Saint Helena Road	
SJH	Saint Joseph Seminary	
JJOM	Saint Joseph's Hill	
SMCB	Saint Mary's College	
SVIN	Saint Vincent's CYO School for Boys, San Rafael	
AN12*	Salinas Radio	SRC
BSRM	Salinas Radio Site	
SRC	Salinas Radio Site	
SDLC	Saltdale	
SLTC	Salton Sea Test Base	
SLVP	Salvation Pass	
SWSC	Sam W. Stewart, Westmorland	
SAC	San Andreas	
JSAM	San Andreas	SAC
SAO	San Andreas Geological Observatory	
LT9	San Andreas Lake	
JSLM	San Andreas Lake	
PANM	San Antonio Reservoir	
PSAM	San Ardo	
SBT	San Benito	
BBNM	San Benito	SBT
SBVC	San Bernardino Valley	
JSBM	San Bruno Mountain	
SCI	San Clemente Island	
SCI2	San Clemente Island 2	
SNDC	Sand Canyon	
CSAM	Sandia	
SND	San Diego	
SDC	San Diego	
SDRC	San Diego Road Dept, El Cajon	
HFEM	San Felipe	SFL
SFL	San Felipe	
FRCO	San Francisco	
SFM	San Francisco	
SFC	San Francisco	
SFB	San Francisco	
S06C	San Francisco Camp Mather, Mather	
SFR	San Francisco--Rincon	
SJQ	San Joaquin Reservoir	
HBTM	San Juan Bautista	
HJGM	San Juan Grade	
AN3*	San Juan Grade	HJGM
CSLM	San Leandro Hills	
SCKWR	San Luis Creek Check 11 ,Merced County	
SLD	San Luis Dam	
HSLM	San Luis Dam	
SFJWR	San Luis Fatjo Ranch, Merced County	
BSM	San Miguel Island	
SNCC	San Nicolas Island	
BSN	San Nicolas Island	
SNC	San Nicolas Island	
SNS	San Onofre	
ZSP	San Pablo Dam	
CSPM	San Pablo Ridge	
SPH	San Pedro Hill	
CRAM	San Ramon	
SS2	San Sevaine	
SANC	Santa Ana	
SBC	Santa Barbara	
SBI	Santa Barbara Island	
CIW	Santa Catalina Island West	
SCL	Santa Clara	
STCC	Santa Clara	
SCCB	Santa Clara County Offices	
SCZ	Santa Cruz	
SCC	Santa Cruz	
HUG01	Santa Cruz, CA USA	
BSC	Santa Cruz Island	
SCZ2	Santa Cruz Island 2	
PMGM	Santa Margarita	
SME	Santa Rosa Mine	
SMO	Santa Rosa Mountain	
JSTM	Santa Teresa Hills	
SYP	Santa Ynez Peak	
SYS	San Ysidro	
JSGM	Saratoga Golf Course	SGC
SGC	Saratoga Golf Course	
SWM	Sawmill	
JSMM	Sawmill Road	
MAGC	SCE Magundon Plant	
SNR	Schaffner Ranch	
SCHCA	Scheelite	
PSRM	Scobie Ranch	
STTC	Scott Ranch	
SNT	Sears Point	
PSEM	See Canyon	
GSGM	Seigler Mountain	
C039	Semillon Drive Fremont	
SVD	Seven Oaks Dam	
C017	S Grimmer Bl Fremont	
TCHL	Shandon	
PSHM	Shandon	
SHS	Shasta Dam	
HSPM	Sheep	
SHH	Sheep Hole Mountains	
TSCS	Shell Creek South, Shandon	
SWNG	Sheriff Wilson	
MSLM	Sherwin Lakes	
KSPM	Sherwood Peak	
SPM	Ship Mountains	
BSGM	Shirttail Gulch	SHG
SHG	Shirttail Gulch	
WSCM	Short Canyon	
SHOC	Shoshone, Tecopa	
SDW	Sidewinder Mine	
BSLM	Silva Ranch	
SVC	Silver Creek	
CSCM	Silver Creek	SVC
SIL	Silver Peak	
SI2	Simi Peak	
SMMC	Simmler	
SKG	Skaggs Springs	
GSSM	Skaggs Springs	SKG
ASMM	Slate Mountain	
KSMM	Slide Mountain	
ASRM	Slough House Road	
PSMM	Smith Mountain	
SRTC	Snort	
GSNM	Snow Mountain	
GSMM	Socrates Mine	
SOS	Soda Springs	
JSSM	Soda Springs	SOS
SLBC	Solana Beach	
BSMM	Soledad Mission	
BOOC	South Base Booster	
THIS	South End of Cholame Valley, Shandon	
SGV	South Grapevine Mountains	
LSLM	South Lassen	
WSHM	Spangler Hills	
C008	Spokane Avenue Albany	
SPG2	Springville 2	
SQK	Squaw Creek	
TIT	Squaw Tit	
JSFM	Stanford	SFT
STAN	Stanford	
LT4	Stanford	SFT
SFT	Stanford Telescope	
JSFB	Stanford Telescope, Santa Clara County	
MSTM	Stent	
STP	Stepladder Mountains	
JSCM	Stevens Creek	SEC
SEC	Stevens Creek	
LT1	Stevens Creek	SEC
OSTM	Stimpson Lane	
JSJM	St Joseph	SJH
LT2	St Joseph	SJH
SMNB	Stockdale Mountain	
PSTM	Stockdale Mountain	
SCYB	Stone Canyon	
BSCM	Stone Canyon	
STC	Stone Canyon Observatory	
SCY	Stone Canyon Reservoir	
PSNM	Stone Corral	
CSVM	Stone Valley	
C019	St Phillip Court Concord	
SDP	Sudden Peak, Lompoc	
SMWM	Sugarloaf Mountain West	
SB4	Sulfur Bank	
C010	Sunflower Court Concord	
CSU1	Sunol Dilatometer	
SSK	Sunset Peak	
SMTC	Superstition Mountain	
SUP	Superstition Mountain	
SUTB	Sutter Butte	
OSUM	Sutter Buttes	
C004	Swainland Road, Oakland	
BSBM	Swanson's Bluff	
TMC	Table Mountain	
OTBM	Table Mountain	
TF-	Taft	TF-CL
TF-CL	Taft	
TAHR	Tahoe	
PTAM	Tassajara Creek	
NTYM	Taylor	
CTAM	Taylor	
CTFL	Taylor Farm	
NTMM	Taylor Mountain	
TRC	Taylor Ranch	
PK3	Taylor Ranch	TRC
PTYM	Taylor Ranch	TRC
C023	Technology Drive Fremont	
THC	Tehachapi Microwave	
TJR	Tejon Ranch	
TMB	Temblor Range Southeast	
CTHM	Terry Harris R'ch	
CTLM	Tesla Road	
KTRM	Thompson Ridge	
SATS	Thornton Park	
GTC	Three Chop Ridge	
THRC	Three Sisters	
LTIM	Timbered Crater	
TIN	Tinemaha, Big Pine	
TNK	Tinkers Knob	
TMO	Tin Mountain	
NTBM	Tomales Bay	
TOW	Tower One	
TPRS	Tripped Ranch	
TPO	Tropico Hills	
GTSM	Trough Springs	
JTGM	Trout Gulch Road	
MTUM	Tungsten Hills	
TCC	Turnbull Canyon	
TUQ	Turquoise Mountain, Baker	
TTM	Turtle Mountains	
LTCM	Tuscan Springs	
HTUM	Tustin Road	
TN-CL	Twentynine Palms	
TPC	Twentynine Palms	
TWL	Twin Lakes	
TWN	Twin Peaks	
TRAY	Twisselman Ranch, Shandon	
PTRM	Twissleman Ranch	
UKI	Ukiah	
JUCM	University of California, Santa Cruz	
CMSB	University of California Stadium	
USC	University of Southern California	
C014	Upland Way Hayward	
VPDC	Valencia Peak Digital	
CVLM	Vallecito	
C054	Valleyhaven Way San Jose	
VOG	Valley Oaks Golf Course, Visalia	
AVRM	Valley Road Site	
GVV	Valley View	
OGOM	Van Goodin Ranch	
VARB	Varian Well	
VPK	Verdi Peak	
VES	Vestal, Richgrove	
CVAL	Veterans Administration Hospital	
C071	Via Corta San Lorenzo	
VTV	Victorville	
VPD	Villa Park Dam	
VIN	Vineyard	
BVYM	Vineyard	
VCAB	Vineyard Canyon	
PVCM	Vineyard Canyon	
VIT	Vineyard--Telemeter	
VG2	Vista Grande	
WVPM	Volcano Peak E	VPEM
VPEM	Volcano Peak East	
CVPM	Vollmer Peak	
WWPM	Walker Pass	
WKC	Walker Ridge	
WKC2	Walker Ridge	
GWKM	Walker Ridge	
WSP	Warm Springs	
WTT2	Watts, South Gate	
WENL	Wente Vineyards, Livermore	
PWMM	Westland Maintenance Station	
WML	Westmorland	
U05C	Westside ANR, Five Points	
WESC	Westside School	
WERC	Wheeler Ridge	
WH2	Whipple Mountains 2	
WDC	Whiskeytown Dam	
S08C	White Mtn Res Sta-Crooked Creek, Bishop	
WWR	Whitewater	
WLK	Wiest Lake	
WRC	Williams Ranch	
Q03C	Winters	
WIS	Wister	
GWRM	Wonder Ranch	
LT6	Woodside	WDS
WDS	Woodside	
JWSM	Woodside	WDS
WDY	Woody	
PK2	Work Ranch	WKR
PWKM	Work Ranch	WKR
WKR	Work Ranch	
NWRM	Wright Ranch	
OWAM	Wyandotte	OWYM
OWYM	Wyandotte	
YAQ	Yaqui Meadows	
YEG	Yeguas Mountain	
CYBM	Yerba Buena Island	
YBIB	Yerba Buena Island	
MYLM	Yosemite Lake	
YR-	Yreka	YR-CL
YR-CL	Yreka	
YBH	Yreka Blue Horn Mine, Yreka	
P05C	Yuba Gap, Truckee	
YUH	Yuha Desert	
NSPM		SNT
NFRM		FTR
HQRM		QSR
JPSM		PSD
NGVM		GVR
NLNM		LOC
NMCM		NMC
WMD		
Caribbean Sea		
GTBY	Guantanamo Bay	
SDDR	Presa de Sabaneta	
Colorado		
S22A	4UR Ranch, Creede	
N27A	Anderson Farm, Haxtun	
R26A	Arlington	
Q25A	Bedland, Calhan	
O27A	Beecher Island, Eckley	
N21A	Black Mountain, Craig	
PV22	Blue Mesa, Paradox Valley	
BOU	Boulder	
BDC	Boulder	
BO1	Boulder	
T27A	Campo	
PV23	Carpenter Ridge	
N24A	Carr	
T23A	Casias Ranch, Antonito	
CECO	Cedaredge	
R21A	Cimarron	
S21A	Coal Bank Pass, Durango	
CMCO	Colorado Mnmt	
T26A	Comanche National Grassland Park, Kim	
PV21	Cone Mtn., Paradox Valley	
CGC	Craig	
Q22A	Crested Butte, Gunnison	
P19A	Cripple Cowboy Ranch, Baxter Pass	
PV11	David Mesa, Paradox Valley	
P26A	Davis Ranch, Arriba	
P20A	De Beque	
DEN	Denver	
DER	Derby	
S20A	Disappointment Valley, Cahone	
Q24A	Divide	
DGC	Durango	
DR-	Durango	DR-CO
DR-CO	Durango	
R27A	Eads	
EGC	Eagle	
P22A	Eagle	
PV17	East Wray Mesa	
T22A	Edith	
P27A	Ficken Ranch, Kirk	
R25A	Fountain Ranch, Boone	
FK-CO	Franktown	
FK-	Franktown	FK-CO
GACO	Gateway	
GLD	Golden	
GOL	Golden	
GJC	Grand Junction	
SDCO	Great Sand Dunes National Park	
N25A	Grover	
Q23A	Hartsel	
HDQ	Headquarters	
HLR	Highland Ranch	
O26A	Horse Wrangler Ranch, Akron	
S24A	Houchin Ranch, La Veta	
Q26A	Hugo	
ISCO	Idaho Springs	
P23A	Jefferson	
KSCO	Kaye Shedlock's, Cheyenne Wells	
S26A	Kim	
N26A	Koester Ranch, Padroni	
P24A	Kohler Place, Littleton	
O22A	Kremmling	
O23A	Lake Granby, Granby	
Q21A	Lamborn Mesa, Paonia	
S27A	Las Animas	
PV14	Lion Creek, Paradox Valley	
O24A	Longmont	
LSI02	Los Alamos Infrasonic Array Site 2	
HGTCO	Madrid Canyon Road, Trinidad	
MSCO	Mesa State College	
MVCO	Mesa Verde	
R23A	Moffat	
MRC	Montrose	
PV19	Morning Glory Mine	
P21A	Newcastle	
S23A	Nye Farm, Monte Vista	
PV16	Nyswonger Mesa	
OMCO	Orchard Mesa	
O21A	Pagoda	
PGS	Pagosa Springs	
PV10	Paradox Valley	
PV08	Paradox Valley	
PV07	Paradox Valley	
PV05	Paradox Valley	
PV04	Paradox Valley	
PV03	Paradox Valley	
PV02	Paradox Valley	
PV15	Paradox Valley	
PV01	Paradox Valley	
PV06	Paradox Valley	
PV09	Paradox Valley	
PMC	Poorman Mine	
PV13	Radium Mtn., Paradox Valley	
RGC	Rangely	
N23A	Red Feather Lakes	
R20A	Redvale	
Q20A	Ridgley Place, Grand Junction	
RW1	Ridgway	
RW6	Ridgway	
RW5	Ridgway	
RW4	Ridgway	
RW3	Ridgway	
RW2	Ridgway	
RBC	Rio Blanco	
S25A	Robets Cordova Ranch, Walsenberg	
R22A	Saguache, Gunnison	
R24A	Sanders Place, Florence	
T24B	San Luis	
PV12	Saucer Basin, Paradox Valley	
PV18	Skein Mesa, Paradox	

	Valley	
SMCO	Snowmass	
SMC	Somerset	
SIG	South Ingalls	
N20A	Spence Gulch, Sunbeam	
MHTCO	State Highway 12, Trinidad	
T24A	Torres, Weston	
T25A	Trinidad	
TJC	Trinidad (USA)	
TDC	Trinidad (USA)	
T28A	Walsh	
WTC	Waterton	
N22A	Wattenberg Ranch, Walden	
PV20	West Nyswonger Mesa	
O20A	White River City	
O25A	Wiggins	
P25A	Willow Gulch Bison Ranch, Deer Trail	
Connecticut		
APT	Avery Point	
BPT	Bridgeport	
BCT	Brookfield	
BRYW	Bryant College	
CPL	Chaplin	
ECT	Ellsworth	
M63A	Gales Ferry	
HDM	Haddam	
M62A	Hamden	
HAR	Hartford	
KSCT	Kent School, Kent	
LSCT	Lakeside	
MD5	Moodus	
MD2	Moodus	
MD4	Moodus	
MD1	Moodus	
MD3	Moodus	
NHC	New Haven	
NSC	North Stonington	
L62A	Suffield	
TMT	Talcott Mountain	
UCCT	U. Connecticut	
UCT	University of Connecticut	
WSPT	Westport, CT	
YLE	Yale	
Delaware		
BVD	Bellevue State Park	
BBD	Blackbird State Forest	
BWD	Brandywine Creek State Park	
DEMA	Delaware Emergency Management Agency	
GTD	Georgetown	
P60A	Greenville	
GEDE	Greenville	
GWDE	Greenwood	
MIDE	Milford	
Q61A	Milford	
NED	Newark	
SCOM	Sussex County Emergency Operations Center	
District of Columbia		
BED	Bald Eagle	
DTM	Carnegie Institution of Washington	
GEO	Georgetown	
PPHYL	Hylton High School	
WAS	Washington	
NRL	Washington--Naval Research Laboratory	
Florida		
058A	Arcadia	
059Z	Ave Maria	
BE-FL	Belleview	
BE-	Belleview	BE-FL
658A	Bunnell	
553A	Crawfordville	
450A	Crestview	
DWPF	Disney Wilderness Preserve, Florida	
EVE	Everglades	
GAI	Gainesville	
456A	Hilliard	
655A	Horseshoe Beach	
060A	Indiantown	
657A	Interlachen	
JAC	Jacksonville	
859A	Kempfer Cattle CO., St. Cloud	
556A	Lake Butler	
758A	Lake Helen	
552A	Lynn Haven	
062Z	Marathon	
452A	Marianna	
555A	McAlpin	
MIA	Miami	
059A	Moore Haven	
061Z	Ochoppi	
959A	Okeechobee	
557A	Orange Park	
OR-FL	Orlando	
OR-	Orlando	OR-FL
757A	Oxford	
449A	Pace	
PEN	Pensacola	
554A	Perry	
RIC	Richmond	
858A	St. Cloud	
451A	Vernon	
958A	Wauchula	
060Z	West Palm Beach	
WFF	Whiting Field	
656A	Willston	
957A	Wimauma	
457A	Yulee	
857A	Zephyrhills	
Georgia		
254A	Abbeville	
AMG	Americus	
253A	Americus	
ATL	Atlanta	
356A	Blackshear	
352A	Blakely	
Z55A	Blythe	
BBG	Brasstown Bald	
X51A	Calhoun	
353A	Camilla	
CDG	Carters Dam	
CMGA	Chestnut Mountain	
IVAG	Clark Hill Reservoir	
LDVG	Clark Hill Reservoir	
CH5	Clark Hill Reservoir	
CH6	Clark Hill Reservoir	
BEVG	Clark Hill Reservoir	
X52A	Dahlonega	
DALG	Dalton	
ETG	Eatonton	
X53A	Estanollee	
153A	Fort Valley	
Z51A	Franklin	
256A	Glennville	
GOGA	Godfrey	
GMG	Grassy Mountain	
GBG	Greensboro	
255A	Hazlehurst	
155A	Kite	
LA-GA	Lafayette	
LA-	Lafayette	LA-GA
Y52A	Lilburn	
LKGA	Lookout Mountain	
252A	Lumpkin	
Y53A	Monroe	
Z53A	Monticello	
154A	Montrose	
355A	Pearson	
454A	Quitman	
RCG	Rock City	
REG	Rock Eagle	
Y51A	Rockmart	
TVGG	Rocky Mountain Net	
RMG	Rome (USA)	
257A	Skidaway Island, Savannah	
Z54A	Sparta	
455A	Stateville	
156A	Sylvania	
TIGA	Tifton	
Y54A	Tignall	
357A	Townsend	
WDG	Wallace Dam	
152A	Waverly Hall	
453A	Whigham	
Z52A	Williamson	
Hawaii		
AHA	Ahua	
AIN	Ainahou	
ALEP	Alea Permanent	
BAH	Barrette	
BYL	Byron's Ledge	
CPH	Captain Cook	
CPK	Cone Peak	
DAH	Dandelion	
DES	Desert	
DHH	Diamond Head	
ESR	Escape Road	
FEF	Fern Forest	
HKL	Haleakala	
HLK	Haleakala	
HATHI	Halema`uma`u Trail	
HPU	Hale Pohaku	
HBH	HawaiianBeaches	
HVO	Hawaiian Volcano	UWE
I59US	HAWAII INFRASONIC ARRAY REFERENCE POINT	
HIG	Hawaii Institute of Geophysics	
HW-IS	Hawaii Isl. Ar.	
HW-	Hawaii Isl. Ar.	HW-IS
HPAH	Hawaii Preparatory Academy	
HUL	Heiheiahulu	
HULD	Heiheiahulu Digital	
HLP	Hilina Pali	
HIL	Hilo	
HON	Honolulu	
HNL	Honolulu	
HPO	Honuapo	
HTC	Hot Caves	
HUH	Hualalai	
JCUZ	Jacuzzi	
JOKA	Jonika Flow	
KUH	Kaapuna	
KAE	Kaena	
KPH	Kaena Point	
KHLU	Kahalu`u	
KHU	Kahuku	
KHLH	Kahului Airport	
KKH	Kailua Kona	
KLCH	Kalalua Cone	
KPA	Kalaupapa	
KML	Kamuela	
KANH	Kanahau	
KIH	Kanekii	
KNHH	Kane Nui o Hamo	
KFH	Kaoiki Faults	
KLH	Kapapala Ranch	
KPO	Kapoho	
KLK	Kealakekua	
KEA	Kealakomo	
KKO	Keanaka@18ko`i	
KKU	Keanakolu	
KEKH	Kekaha	
KIP	Kipapa	
KNH	Kipuka Nene	
KOH	Kohala	
KNW	Konawaena	
LPH	Laupahoehoe	
LLAH	Lualailua	
M12	M12	
MHA	Mahukona	
MKA	Makaopuhi	
MAUI	Maui	
MKH	Mauna Kea	
MLH	Mauna Loa	
MLX	Mauna Loa 2	
MLOA	Mauna Loa Observatory	
MOK	Mokapu	
MVH	Mountain View	
NAA	Naalehu	
NGH	National Guard	
NBH	North Bay	
NPOC	North of Pu`u O`o Crater	
NPH	North Pit	
OA-IS	Oahu Island	
OA-	Oahu Island	OA-IS
OBL	Observatory Ledge	
OVEH	Oceanview Est	
OKAH	Ooka	
OPA	Opana	
OUT	Outlet	
PAH	Pahoa	
PFH	Pahoa Fire House	
PUH	Pauahi	
POHA	Pohakuloa	
POH	Pohoiki	
PWH	Poliokeawe Pali	
PUP	Pupakea	
PHO	Puu Honuaula	
PHH	Puu Huluhulu	
PKL	Puu Kaliu	
KMH	Puu Kamoamoa	
POK	Puuokali	
PPL	Puu Pili	
PLL	Puu Ulaula	
RSD	Rainshed	
RCO	Red Cone	
RIM	Rim	
SDHHI	Sand Hill	
SPT	South Point	
SWH	Southwest Rift	
STCH	Steam Cracks	
SBLHI	Steaming Bluff	
TRH	Trail	
UWB	Uwe@18kahuna Bluff	
UWE	Uwekahuna	
WHA	Wahaula	
WKH	Waikii	
WMR	Waimanalo Ridge	
WLG	Waldron Ledge	
WOB	Weather Observatory	
WPH	West Pit	
WRMHI	West Rim	
WHI	Whitney	
WIH	Wilkes Camp	
WOH	Wood Valley	
Idaho		
ID09	Alton	
K15A	Arbon	
ARNI	Argonne North	
I12A	Atlanta	
AHID	Auburn Hatchery	
BCYI	Bear Canyon	
BEI	Bear River Range	
E12A	Beaver Dam Saddle, Pierce	
J10A	Berg Farm, Melba	
BHI	Bertha Hill	
BBI	Big Bend	
G12A	Big Creek, Yellow Pine	
GBI	Big Grassy Butte	
LRI	Big Lost River	
YPBB	Black Butte	
J15A	Blackfoot	
E11A	Bogner Ranch, Nez Perce	
BSE	Boise	
J16A	Bone	
BDID	Brownlee Dam	
BUI	Burke	
MFID	Camas Ranch	
J14A	Carey	
L11A	Cat Creek Ranch, Riddle	
CIB	Cedar Butte	
CBTI	Cedar Butte	
CMI	Centennial Mountain	
CL-	Challis	CL-ID
H13A	Challis	
CL-ID	Challis	
ID02	Challis, ID, 7.5 mi N off of Rte 93	
CRBI	Circular Butte	
G13A	Cobalt	
J13A	Cove Ranch, Picabo	
CHOI	Coyote Hollow	
COMI	Craters of Moon	
CPI	Crown Point	
CNCI	Crows Nest Canyon	
DEI	Dent	
ID08	Devils Gate	
H12A	Diamond D Ranch, Stanley	
H11A	Donnelly	
L13A	Double Diamond Ranch, Oakley	
DCID1	Drake Creek	
K12A	Draper Farm, Castleford	
DCI	Dry Creek	
DPI	Dunn Peak	
ECR	Eagle Creek	
ID03	East of Rte 461 near Challis	
EMI	Eightmile Canyon	
EBI	Elk Butte	
F12A	Elk City	
ERI	Eureka Ridge	
L16A	Fish Haven	
ID06	Fossil Canyon	
GMI	Garnes Mountain	
GHI	Gilbert Hill	
GRAI	Grandview Point	
F11A	Grangeville	
GRCI	Grant Creek	
GRRI	Grays Lake	
GTRI	Great Rift	
HL2ID	Hailey	
HL2	Hailey	HL2ID
HL-ID	Hailey	
HLID	Hailey	
HL-	Hailey	HL-ID
A11A	Hall Mountain, Copeland	
HID	Hamer Butte	
HHI	Harmony Heights	
YPHR	Hebgen Ridge	
HHAI	Hells Half Acre	
YHB	Horse Butte	
L12A	House Creek Ranch, Rogerson	
HPI	Howe Peak	
HWSI	Howe Scarp	
IDA	Idaho Array	
ID1	Idaho Array 1	
ID2	Idaho Array 2	
ID3	Idaho Array 3	
ID4	Idaho Array 4	
ID5	Idaho Array 5	
IRCI	INEL Research	
ICI	Italian Canyon	
JECI	Jenson Cabin	
JSM	Jim Sage Mountain	
K14A	Jones Ranch, Declo	
L10A	Juniper Basin Ranch, Riddle	
JGI	Juniper Gulch	
KGI	Kellogg	
KCI	Kelly Canyon	
KBI	Kettle Butte	
D11A	Klaveano Farm, Fernwood	
H14A	Leadore	
LJI	Lemhi Junction	
LGM	Little Green Mountain	
LLRI	Little Lost River	
LVRI	Lost Valley Reservoir	
I14A	Mackay	
MCPI	Mackay Peak	
L15A	Malad City	
MLI	Malad Range	
L14A	Malta	
MAS	Mason Butte	
MBI	Menan Buttes	
YPMF	Mesa Falls	
ID04	Mogan Creek Rd (Rte 129)	
I15A	Monteview	
MCID	Moose Creek	
MO-ID	Mountain Home	
MO-	Mountain Home	MO-ID
MUDI	Mud Lake	
MUL	Mullan	
NWR	Narrow River	
I16A	Newdale	
NPRI	New Reactor	
H10A	Noah's Angus Ranch, Cambridge	
NTI	Nordman	
NPI	North Pocatello Valley	
K11A	Parker Ranch, Bruneau	
PZCI	Patelzick Creek	
I10A	Payette	
PLID	Pearl Lake	
PINI	Pine Creek	
I11A	Placerville	
PTI	Pocatello Creek	
PCID	Pole Creek	
PQ-ID	Preston	
D12A	Red Ives Forest Station, Avery	
RRI2	Red Ridge	
RRI	Red Ridge	
REX	Rexburg	
RMI	Round Mountain	
SJID	Saint Joe	
B11A	Sandpoint	
SPVI	Shoe Peg Valley	
SMBI	Sixmile Butte	
ID07	Smith Canyon Road	
SBID	Snowbank Mountain	
K16A	Soda Springs	
SPCI	Split Crater	
STID	Stanley	
STI	Star Valley	
J12A	Stokes Ranch, Hill City	
K13A	Stover Farm, Hazelton	
ID05	Sulphur Canyon Road, Soda Springs	
SURI	Summit Reservoir	
TMI	Taylor Mountain	
TCSI	Telchick Spring	
C11A	Tepee Creek (NFS), Magee	
TID	Three Point Mountain	
TYI	Trinity Mountain	
YPTS	Trude Siding	
WAL	Wallace	
G11A	Walters Elk Ranch, Riggins	
WBI	Whiskey Butte	
I13A	Wildhorse Creek, Mackay	
WICI	Willow Creek	
WPI	Wilson Peak	
Illinois		
P41A	Barry, Barry	
O42A	Bath	
BPIL	Belle Prairie	
BVIL	Belleville	
S44A	Carbondale	
S45A	Carrier Mills	
CIRL	Cave In Rock	
CHK	Chicago	
CGI	Chicago	
CHI	Chicago-Loyola	
CSIL	Creal Springs	
DAIL	Da Vinci Academy	
DEK	Dekalb	
ELC	Elco	
L43A	Garden Prairie	
Q42A	Golden Eagle	
P45A	Graceland, Paris	
HQIL	Hanson Quary Chicago	
N41A	Harden Midland Farm, Stronghurst	
HDIL	Hopedale	
JCMO	Jefferson College	
L44A	Lake County Forest Preserve, Grayslake	
O44A	Mansfield	
MCIL	McClure	
Q44A	Meyer Farm, Vandalia	
M44A	Midewin, Midewin Nat. Tallgrass Prairie	
M41A	Milan	
Q43A	New Douglas	
NHIL	New Haven	
L42A	Oliver, Polo	
O41A	Passleys Farm, La Prairie	
N44A	Piper City	
PW-IL	Pontiac	
PW-	Pontiac	PW-IL
O45A	Potomac	
R43A	Red Bud	
GOIL	Rosebud	
SMV	Samsville	
P44A	Sand Creek, Windsor	
M42A	Sheffield	
P43A	Skaggs, Pawnee	
R45A	Skylar, Fairfield	
EDIL	So. Illinois U.	
SIUC	Southern Illinois University	
SCMO	St. Charles CC	
N43A	Stutzman Family Farm, Minonk	

Code	*Station Name*	*Other*
O43A	Sugar Creek Farm, Atlanta	
WVIL	Wabash College	
M43A	Waltham Township, Utica	
R44A	Waltonville	
Q45A	Warren Harvey, Newton	
WQ-IL	Watseka	
WCIL	Waubonsee CC	
WSIL	West Salem	
P42A	Winchester	
N42A	Yates City	
Indiana		
Q49A	Aurora	
Q47A	Bedord North Lawrence Stars, Bedford	
BLO	Bloomington	
M45A	Boilermakers Shaker, Crown Point	
Q46A	CEJHS Indians, Carlisle	
M47A	Cromwell	
N48A	Decatur	
O48B	Farmland	
O48A	Farmland	
R46A	Gibon Southern Titans, Haubstabt	
IN3	Indiana Array	
IN2	Indiana Array	
IN1	Indiana Array	
IN4	Indiana Array	
ISU	Indiana State University	
N45A	Kentland	
SFIN	Lafayette	
P47A	Martinsville	
P48A	Milroy	
N46A	Monticello	
NHIN	New Harmony	
R48A	Northridge Ranch, Floyd Knobs	
Q48A	North Vernon	
M46A	Old House Field, Plymouth	
P46A	Rosedale	
O47A	Sheridan	
SHIN	Springhill	
SPIN	Swan Pond Ditch	
THI	Terre Haute	
USIN	University of Southern Indiana	
N47A	Urbana	
WDIN	Wadesville	
R47A	Wooly Knot Farm, English	
WCI	Wyandotte Cave	
Iowa		
L40A	Anamosa	
K37A	Belmond	
L35A	Bielow Farm, Ricketts	
BY-IO	Bloomfield	
K40A	Colesburg	
J39A	Decorah	
N39A	Derby Farms, Drakesville	
DMI	Des Moines	
DBQ	Dubuque	
M36A	Felix, Anita	
J34A	George	
K36A	Gilmore City	
L36A	Harm Buss Farm, Glidden	
N38A	Joes South Fork Station, Corydon	
N37A	Lee Faris, Mount Ayr	
K34A	Le Mars	
N40A	Mertquake, Salem	
J35A	Milford	
N36A	Muff Farm, Clarinda	
M35A	Neola	
L38A	Oak Wood Farm, Albion	
K39A	Oelwein	
K38A	Parkersburg	
L37A	Phoenix Point, Boone	
M38A	Pleasantville	
M40A	Post Highland Seismo, Ainsworth	
L41A	Preston	
J37A	Redenius Farm, Forest	
J36A	Seneca 1, Swea City	
SCIA	State Center	
K35A	Storm Lake	
N35A	Tabor	
M37A	Trindle Farm, Earlham	
VO-IO	Vinton	
VO-	Vinton	VO-IO
L39A	Vinton	
M39A	Webster	
J38A	Wedel Dairy, Riceville	
Kansas		
KAN08	Anthony NE Station	
KAN10	Anthony SW Station	
KAN01	Argonia South Station	
KAN06	Argonia West Station	
Q36A	Arnold C. Orvedal, Lecompton	
P29A	Atwood	
BEK	Belvue	
KAN05	Bluff City North Station	
T36A	Boggs Farm, Caney	
R31A	Burdett	
KAN09	Caldwell North Station	
KAN17	Caldwell West Station	
CBKS	Cedar Bluff	
Q34A	Chapman	
T37A	Cheneyville 1850, Columbus	
CNK	Concordia	
Q33A	Connelly Farm, Tescott	
R30A	Dighton	
P35A	Duane Minner, Soldier	
EDK	El Dorado	
Q31A	Ellis	
EM-KA	Emporia	
EM-	Emporia	EM-KA
EMK	Emporia	
R35A	Emporia Municipal Airport, Emporia	
S37A	Fort Scott	
P36A	Good Intent, Atchison	
R36A	Gordon, Harris	
KAN12	Harper NE Station	
KAN16	Harper SW Station	
HWK	Hiawatha	
T32A	Huddler Ranch, Lake City	
T29A	Hugoton	
P32A	Huiting Farm, Downs	
R34A	Isabella, Hillsboro	
KS25	Jewell	
KSU1	Kansas State University--Konza Prairie	
S33A	Kaszmaul Farm, Murdock	
S36A	Lake Cedric, Chanute	
LAW	Lawrence	
LAK	Lawrence	
R32A	Long Quarter, Great Bend	
KAN14	Manchester OK Station	
MHK	Manhattan	
MHT	Manhattan	
KS24	Mankato	
KS22	Mankato Kansas Deployment Site 1	
S28A	Manter	
R29A	Marienthal	
KS20	Mayfield South Station	
T34A	McClaskey Farms, Geuda Springs	
Q32A	Meitler Ranch, Lucas	
Q35A	Mercer Eighty, Eskridge	
KS21	Milan North Station	
MLK	Milford Reservoir	
S30A	Montezuma	
S31A	Mullinville	
S32A	Newby Ranch, Pratt	
KS23	Northwest Mankato	
NNK	Norton	
Q29A	Oakley	
OBK	Oberlin	
R33A	Olander Ranch, Little River	
S35A	Otter Creek Ranch, Eureka	
T33A	Patterson Ranch, Waldron	
T30A	Plains	
Q30A	Quinter	
T31A	Randall Ranch, Ashland	
P28A	Saint Francis	
SNK	Salina	
P30A	Selden	
Q28A	Sharon Springs	
KAN13	South Haven SW Station	
P31A	Stockton	
R37A	Teagarden Farms, La Cygne	
R28A	Tribune	
TCK	Tuttle Creek Reservoir	
S29A	Ulysses	
P34A	Walnut Farm, Randolph	
S48A	Wiedeman Farm, Cecilia	
P33A	Williams Farm, Concordia	
S34A	Willow Spring Farm, Andover	
Kentucky		
S51A	Beattyville	
BETH	Bethel	
T48A	Bowling Green	
BGKY	Bowling Green	
BHKY	Bowman Hall	
R52A	Catlettsburg	
CRU	Crutchfield	
S46A	Don Dixon Farm, Corydon	
DY-	Dry Ridge	DY-KY
DY-KY	Dry Ridge	
T49A	Edmonton	
FLKY	Flemingsburg	
SLKY	Flemingsburg	FLKY
FDKY	Freedom	
FMKY	Fulgham	
T51A	Gray	
HAKY	Hadley Quad	
T52A	Hallie	
S47A	Hartford	
HICK	Hickman	
R51A	Hillsboro	
LLKY	Land-Between-the-Lakes	
LEK	Lexington	
L6KY	Lock 6	
LGKY	Lock 6	L6KY
LOKY	Lockhart	
MOKY	Morganfield	
T50A	Nancy	
PAKY	Paducah	
T45A	Paducah	
R50A	Paris	
PKKY	Potato Knob	
T46A	Princeton	
REKY	Reed	
S50A	Richmond	
ROKY	Rotten Point	
RS-KY	Russell Springs	
RS-	Russell Springs	RS-KY
SMKY	Sacramento	
S52A	Salyersville	
T47A	Sharon Grove	
R49A	Shelbyville	
SOKY	Sonora	
S49A	Springfield	
SSKY	Summer Shade	
WCK	Wilson Creek	
Kodiak Island		
OHAK	Old Harbor	
Louisiana		
445A	Amite	
140A	Cam and Jess, Hughton	
645A	Chauvin	
443A	Delano Plantation, Melville	
441A	DeRidder	
545A	Edgard	
342B	Flagon Creek Properties, Pineville	
342A	Flagon Creek Properties, Pineville	
242A	Grayson	
240A	Hunter Patterson, Mansfield	
JE-LA	Jena	
JE-	Jena (USA)	JE-LA
341A	Kurthwood	
541A	Lake Charles	
LV-LA	Liddieville	
LV-	Liddieville	LV-LA
442A	Mamou	
142A	Monroe	
542A	Morse	
241A	Mo Tay, Goldonna	
NOL	New Orleans	
141A	Papa Simpson, Farm, Arcadia	
LSU5	Parcperdue Array	
LSU1	Parcperdue Array	
LSU4	Parcperdue Array	
LSU3	Parcperdue Array	
LSU2	Parcperdue Array	
444A	Pine Grove	
646A	Port Sulphur	
546A	Slidell	
143A	Socs Landing, Pioneer	
543A	St. Martinville	
343A	Vidalia	
243A	Waterproof	
544A	White Castle	
545B	Wilberts Farm, Edgard	
Maine		
AGM	Allagash	
D62A	Allapoint, Allagash	
AG-ME	Augusta	
AG-	Augusta	AG-ME
BG-	Bangor	BG-ME
BG-ME	Bangor	
I64A	Boothbay	
E64A	Bridgewater	
BPM	Bucksport	
CBM	Caribou	
E62A	Clayton Lake	
PQ0	Cooper Hill	
D1A	Dickey	
D5A	Dickey	
D3A	Dickey	
D6A	Dickey	
D4A	Dickey	
D2A	Dickey	
H65A	Eastbrook	
EMMW	East Machias	
EMMT	East Machias	
EMM	East Machias	
PQ1	East Ridge	
HKM	Hinckley	
HNME	Houlton	
HN-	Houlton	HN-ME
HN-ME	Houlton	
JKM	Jackman	
G63A	Kingsbury	
G64A	Maxfield	
MIM	Milo	
F63A	Nahmakanta, Browneville	
H63A	New Sharon	
ORNO	Orono	
I63A	Otisfield	
E63A	Oxbow	
PKME	Peaks-Kenny Pk	
F62A	Pittston Farm, Pittston Academy Grant	
POR	Portland	
PQI	Presque Isle	
G65A	Princeton	
F64A	Sherman	
D63A	Stockholm	
H64A	Troy	
TRM	Turner	
WVL	Waterville	
WTR	Waterville	
G62A	West of Eustis	
H66A	Whiting	
Maryland		
BALH	Baltimore	
NHB	Bethesda--National Naval Medical Center	
CLH	Cheltenham	
ER304	Early Rise 304	
ECM	Ellicott City	
GS-MD	Grantsville	
GS-	Grantsville	GS-MD
Q60A	Greensboro	
Q59A	Harwood	
P59A	Jarrettsville	
R60A	Leonardtown, MD	
NLM	Maryland--Naval Ordinance Lab	
P58A	Pank, Wackersville	
SDMD	Soldier's Delight Natural Environment Area	
VIL	Villa Mercy	
WSC	Washington Science Center	
R61A	Willards	
WOO	Woodstock	
Massachusetts		
HRV	Adam Dziewonski Observatory, Oak Ridge	
QUA2	Belchertown	
BCX	Boston College	
M65A	Busby, Falmouth	
CAM	Cambridge	
L65A	Cape Cod National Seashore	
DXB	Duxbury	
DUX	Duxbury	
FLR	Fall River	
GLO	Gloucester	
LNX	Lenox	
L64A	Middleborough	
M66A	Nantucket	
NMA	Nantucket	
L61B	Northampton	
QUA	Quabbin	
K62A	Royalston	
COD	South Dennis	
WGMA	Westboro	
WFM	Westford	
WES	Weston	
WLL	Williamstown	
K61A	Williamstown	
WOR	Worcester	
Michigan		
ACM	Allegan	
AAM	Ann Arbor	
H45A	Beulah	
F44A	Big Bay de Noc Black Bears, Cooks	
J48A	Bridge Port	
K50A	Casco	
MTPM	Central Michigan University	
E42A	Champion	
D41A	Chassel	
K49A	Clarkson	
F45A	CMU Biological Station, Beaver Island	
K46A	Dorr	
LNSM	East Lansing	
ED-MI	Edgewood	
ED-	Edgewood	ED-MI
L46A	Eue Claire	
H46A	Fife Lake	
F43A	Flat Rock, Escanaba	
I45A	Fountain	
I47A	Gladwin	
E44A	Grand Marais Airport, Grand Marais	
GLMI	Grayling	
H48A	Harrisville	
G47A	Hillman	
J46A	Howard City	
C40A	Isle Royale National Park	
KZM	Kalamazoo	
E41A	Kenton	
E43A	Lone Tree Farm, Eben Junction	
F46A	Macinaw City Comets, Mackinaw City	
J49A	Marlette	
L49A	Milan	
H47A	Mio	
J45A	Montague	
L48A	N Adams	
K48A	Perry	
G46A	Petoskey	
PF-MI	Pickford	
PF-	Pickford	PF-MI
I49A	Point Hope	
I46A	Reed City	
E46A	Sault Ste Marie	
I48A	Sherman Twp	
L47A	Sherwood	
SUG	Sugar Island	
J47A	Sunmer	
G45A	Suttons Bay	
TT-	Trout Lake	TT-MI
TT-MI	Trout Lake	
AAMC	University of Michigan	
K47A	Vermontville	
E40A	Wakefield	
G43A	Wallace	
WPM	White Pine	
E45A	Wooded Hills, Hulbert	
Minnesota		
F33A	5 Mile Ranch, Herman	
B34A	Aery, Baudette	
AGMN	Agassiz National Wildlife Refuge	
F34A	Alexandria	
D33A	AnnSam, Waubun	
B32A	Ashes, Strandquist	
BEM	Bemidji	
G34A	Benson	
B35A	Bob, Littlefork	
CM5	Central Minnesota Array	
CM1	Central Minnesota Array	
CM2	Central Minnesota Array	
CM6	Central Minnesota Array	
CM3	Central Minnesota Array	
CM4	Central Minnesota Array	
D37A	Cotton	
I35A	Creekview Farms, Bingham Lake	
C32A	Crookston	
H37A	Dierke Farm, Cannon Falls	
DUL	Duluth	
EYMN	Ely	
C37A	Embarrass	
I36A	Fitzsimmons Farm, Good Thunder	
GY-MN	Gaylord	
GY-	Gaylord	GY-MN
D36A	Goodland	
C39A	Grand Marais	
GP-	Grand Rapids	GP-MN
GP-MN	Grand Rapids	
I34A	Hadley	
HT-MN	Hastings	
HT-	Hastings	HT-MN
I39A	Houston	
JA-	Jasper	JA-MN
JA-MN	Jasper	
H36A	Jessenland, Henderson	
C35A	Jirik Farms, Max	
JO-MN	Jordan	
JO-	Jordan	JO-MN
I37A	Lemond, Waseca	
A31A	Linda, St. Vincent	
SPMN	Marine on St. Croix	
E36A	McGregor	
F36A	Milaca	
MFM	Minneapolis	
MNM	Minneapolis	
MNN	Minneapolis	
NB-MN	North Branch	
NB-	North Branch	NB-MN
G33A	Ortonville	
D34A	Park Rapids	
E35A	Pequot Lakes	
C36A	Pine Crest Farm, Angora	
PP-MN	Pipestone	
PP-	Pipestone	PP-MN
D35A	Remer	
C34A	RKJ Ranch, Bemidji	
B33A	Robert and Kassanda Mosher, Grygla	
A32A	Rocking H Ranch, Lancaster	
C38A	Sawbill Land. Superior Nat. Forest USFS	
I38A	Scanlan Farm, Eyota	
SE-MN	Sleepy Eye	
SE-	Sleepy Eye	SE-MN
H34A	Spellman Lake, Hanley Falls	
G36A	St. Michael	
H35A	Sunnyside Ranch, Fairfax	
F35A	Swanville	
TY-MN	Tracy	
TY-	Tracy	TY-MN
C33A	Trail	
E34A	Wadena	

Code	*Station Name*	*Other*
A33A	Warroad	
I37B	Waseca	
G35A	Watkins	
E33A	Westby DABS, Erhard	
WD-MN	Windom	
WD-	Windom	WD-MN
E37A	Wrenshall	
WF-MN	Wykoff	
WF-	Wykoff	WF-MN
Mississippi		
144A	Alexander Place, Bentonia	
244A	Avery, Jackson	
346A	Big Creek Wildlife, Hattiesburg	
X46A	Booneville	
X44A	Crenshaw	
GH-MS	Greenville	
Y46A	Houston	
145A	Houston Renfrow, Canton	
246A	Jackson Lee, Bay Springs	
LL-MS	Laurel	
LL-	Laurel	LL-MS
245A	Little AP, Star	
Z46A	Louisville	
LD-MS	Lucedale	
447A	Lucedale	
LD-	Lucedale	LD-MS
LD3MS	Lucedale	
LD2MS	Lucedale	
LU-MS	Lumberton	
Y43A	Makayla and Karen, Gunnison	
MB-	McComb	MB-MS
MB-MS	McComb	
OXF	Oxford	
Z44A	Pea Ridge, Belzoni	
PC-MS	Picayune	
PC-	Picayune	PC-MS
PGM	Pleasant Grove	
446A	Poplarville	
PU-	Purvis	PU-MS
PU-MS	Purvis	
247A	Quitman	
RI-MS	Richton	
347A	Saraland	
Y44A	Strider, Charleston	
TQ-MS	Tatum Dome	
345A	Thompson Farm, Foxworth	
X45A	UM Field Station, Abbeville	
146A	Union	
VBMS	Vicksburg	
344A	Westbrook Farm, Meadville	
Z45A	Winona	
Y45A	Yeager Farm, Coffeeville	
Missouri		
T44A	Benton	
BRM	Bernie	
BRNM	Bernie	
BRR	Berryman	
BETM	Bethany	
O36A	Bolckow	
S39A	Bolivar	
BRGM	Braggadocio	
S42A	Caledonia	
CGM	Cape Girardeau	
CGM3	Cape Girardeau	
CCM	Cathedral Cave	
CATM	Catron	
CHNM	Channel	
CHRM	Charleston	
COKM	Charter Oak	
R39A	Chumby, Stover	
T39A	Clever	
Q38A	Cooks Store, Concordia	
CWPT	Cottonwood Point	
CCMO	Creve Coeur	
CBD	Cypress Bend	
P38A	Dawn	
DMV	Demmitville	
T38A	Diamond	
DWDM	Dogwood	
DWM	Dogwood	
DON	Dongola	
EPRM	East Prairie	
ECD	Elk Chute Ditch	
EN-MO	Ellsinore	
EN-	Ellsinore	EN-MO
STIL	E St Louis HE Ctr	
R38A	Fenwick Farm, Montrose	
FRM	Flat River	
FLO	Florissant	
FVM	French Village	
S43A	Fulton Ridge, Patton	
O38A	Galt	
CBMO	Girardeau Bridge	
GLST	Glass	
GNAR	Gosnell	
GSAR	Gosnell High Sch.	
T43A	Greenville	
GRV	Greenville	
GUAMO	Guam	
HAWT	Hathaway	
HATI	Hayti	
HENM	Henderson Mound	
S41A	Jillco Farms, Salem	
KC-MO	Kansas City	
KC-	Kansas City	KC-MO
KEWM	Kewanee	
O39A	Kirksville	
O40A	La Belle	
P37A	Lathrop	
Q40A	Laux Farm, Auxvasse	
S40A	Lebanon	
LPAR	Lepanto	
LDMO	Linda	
LST	Lone Star	
Q37A	Longview Farm, Lees Summit	
R42A	Luebbering	
R40A	Maddies Station, St. Elizabeth	
MLDM	Malden	
MLD	Malden	
T40A	Mansfield	
MARMO	Marston	
MVMO	Maryville College	
MATM	Matthews	
MGMO	Mountain Grove	
T41A	Mountain View	
NMD	New Madrid	
NMM	New Madrid	
NMMO	New Madrid	
NMEM	New Madrid Sch	
NRMS	Noranda	
P40A	Paris	
PARMO	Parma	
MMM	Pea Ridge Mine	
PEBM	Pemiscott Bayou	
PENMO	Penman	
PPLM	Point Pleasant	
PBMO	Poplar Bluff	
POBM	Portage Bay	
PVMO	Portageville	
PTG	Portageville	
U44A	Portageville	
PGVM	Portageville	
RSCM	Risco	
RELT	Roellen	
ROL	Rolla	
RMB	Rombauer	
R41A	Rosebud	
SJMO	Saint John's Bayou	
SLM	Saint Louis	
P39A	Salisbury	
P39B	Salisbury	
S38A	Stockton	
TPMO	Tallapoosa	
TOPM	Tallapoosa	
Q41A	Truxton	
TYS	Tyson Valley	
T42A	Van Buren	
WADM	Wardell	
WALK	Watson Lake	
Q39A	Willow Grove Farm, Nelson	
O37A	Wolven Farm, McFall	
Montana		
F21A	Absaloka Mine, Hardin	
ALMT	Alberton, Montana	
G24A	Alzada	
AMM	Anaconda	
AN-MA	Angela	
AN-	Angela	AN-MA
E24A	Baker	
BGMT	Barton Gulch	
BCM	Basin Creek	
BSMT	Bassoo Peak	
B18A	Beardsley Farm, Havre	
A21A	Bergtoll Ranch, Theony	
G23A	Biddle	
BBM	Big Bend	
BCB	Big Creek Baldy	
BFM	Bigfork	
BHMT	Big Hole Peak	
F18A	Big Timber	
F20A	Billings	
BS-MA	Billings	
G22A	Birney	
BLK	Black Butte	
BPMT	Black Pine Ridge	
BLMT	Blacktail Mountain	
BZM	Bozeman	
BZE	Bozeman	
BZMT	Bozeman Pass	
BOZ	Bozeman (W)	
B15A	Bradely Ranch, Valier	
G20A	Bridger	
B19A	Brinkman Farms, Chinook	
B23A	Brockton	
BUT	Butte	
F15A	Butte	
CLX	Calx Mountain	
A22A	Carney Farms, Richland	
CHMT	Chamberlain Mountain	
CRMT	Chrome Mountain	
CMT	Clancy	
CCMT	Clark Canyon Reservoir	
CFM	Cliffside	
E14A	Clinton	
A20A	Cobblestone Ranch, Loring	
D22A	Cohagen	
CKM	Coopers Lake	
D19A	Cripps Ranch, Grass Range	
DGMT	Dagmar	
DMMT	Dalton Mountain	
D16A	Dana Ranch, Cascade	
F13A	Darby	
E15A	Deer Lodge	
DPM	Delmo Park	
YPDC	Denny Creek	
C21A	Desert Coulee Ranch, Glasgow	
DI-MA	Dillon	
G15A	Dillon	
DI-	Dillon	DI-MA
DLMT	Dillon	
A14A	Double T Ranch, Babb	
EGMT	Eagleton	
QLMT	Earthquake Lake	
E16A	East Helena	
ERMT	East Ridge	
F24A	Ekalaka	
ELMT	Elliston	
B21A	Ellsworth Farm, Hinsdale	
FBMT	Ferry Basin	
F17A	Fitzpatrick Place, Clyde Park	
A13A	Flathead National Forest, Polebridge	
FR-MA	Forsyth	
FR-	Forsyth	FR-MA
C16A	Fuhringer Ranch, Dutton	
NQMA	Gallatin River Ranch	
GI-MA	Glendive	
GI-	Glendive	GI-MA
D24A	Glendive	
GBM	Granite Butte	
GCR	Grayling Creek	
D14A	Greenough	
GCMT	Greycliff	
HH-	Hannah	HH-ND
HH-ND	Hannah	
E18A	Harlowton	
HV-	Havre	HV-MA
HV-MA	Havre	
YHL	Hebgen Lake	
HLM	Helmville	
HRF	Holter Research Foundation--Helena	
HRY	Holter Research Foundation--York Bridge	
C13A	Hot Springs	
HHM	Hungry Horse	
D13A	Huson	
HY-MA	Hysham	
HY-	Hysham	HY-MA
E23A	Ismay	
G14A	Jackson	
JTMT	Jette	
A15A	Johnson Ranch, Cut Bank	
E21A	Keefer Ranch, Vananda	
F16A	Kennard Place, Willow Creek	
A19A	Klindworth Farms, Hogeland	
D21A	La Casta Ranch, Jordon	
LHM	Lake Helena	
C23A	Lambert	
LA0	Lasa Array	LAO
LASA	Lasa Array	LAO
LAO	LASA Array	
LB4	LASA B Ring	
LB3	LASA B Ring	
LB1	LASA B Ring	
LB2	LASA B Ring	
LC2	LASA C Ring	
LC4	LASA C Ring	
LC3	LASA C Ring	
LC1	LASA C Ring	
LD2	LASA D Ring	
LD1	LASA D Ring	
LD3	LASA D Ring	
LD4	LASA D Ring	
LE2	LASA E Ring	
LE4	LASA E Ring	
LE1	LASA E Ring	
LE3	LASA E Ring	
LF4	LASA F Ring	
LF1	LASA F Ring	
LF2	LASA F Ring	
LF3	LASA F Ring	
G18A	Lazy EL Ranch, Roscoe	
LCCM	Lewis and Clark Caverns	
LN-MA	Lewistown	
B17A	L&G Farms, Chester	
B12A	Libby	
LDM	Libby Dam	
H15A	Lima	
LRM	Limekiln Ridge	
D15A	Lincoln	
D23A	Lindsay	
D18A	Linhart Farms, Moccasin	
LBM	Little Butte	
LHD	Little Hoodo Mountain	
LTMT	Little Table Mountain	
G21A	Lodge Grass	
LFM	Lubrecht Forest	
LYMT	Lyon Mountain	
D20A	Manuel Ranch, Winnett	
B14A	Marquette Ranch, East Glacier	
E17A	Martinsdale	
MCMT	McKenzie Canyon	
A18A	Metzger Ranch, Havre	
E20A	Meyer Farm, Musselshell	
E22A	Miles City	
MKMT	Mink Peak	
MSMT	Mission Creek	
MSO	Missoula	
B16A	M & M Farms, Shelby	
MOMT	Monida	
G16A	Moss Hill, Ennis	
BEMT	Mount Belmont	
MEMT	Mount Ellis	
HBMT	Mount Humbug	
C12B	Naegeli Ranch, Trout Creek	
NCM	Ninemile Creek	
NDMT	Ninemile Divide	
OVMT	Ovando	
G17A	Pierce Place, Pray	
PNK	Pinkham Creek	
PCMT	Pistol Creek	
E19A	Rath Farm, Roundup	
B22A	Reddig Ranch South, Frazer	
YPRL	Red Lodge	
RLMT	Red Lodge	
A23A	Redstone	
RFM	Reservoir Flats	
RXF	Rexford	
F22A	Rosebud	
F19A	Roth Farm, Molt	
H16A	Russell Place, West Yellowstone	
C15A	Salmond Ranch, Choteau	
C24A	Savage	
SLMT	Seeley Lake	
SGM	Silver Gate	
D17A	Six Diamond Ranch, Ranyesford	
SXM	Sixmile	
C19A	Slack Wire Ranch, Winifred	
B20A	Solberg Farm, Malta	
STMT	Stillwater Mine	
-A0MA	Subarray A0 LASA	
SVMT	Summit Valley	
SWP	Swamp Creek	
C14A	Swan Lake	
SWMT	Swartz Lake	
SW-MA	Sweetgrass	
SW-	Sweetgrass	SW-MA
TEE	Teeples Ranch	
TPMT	Tepee Creek	
A17A	Triple J Farms, Joplin	
C12A	Trout Creek	
C20A	Veseth Ranch, Zortman	
E13A	Victor	
VCMT	Victor	
C22A	Vida	
F23A	Volborg	
WCM	Warland Creek	
YPWB	West Boundary	
A16A	West Butte Ranch, Sweetgrass	
YWY	West Yellowstone	
C17A	Wharram Farm, Highwood	
B13A	Whitefish	
WHM	Wild Horse Parks	
F14A	Wisdom	
YKM	Yaak	
A12A	Yaak River Ranch, Troy	
YBMT	Yellow Bay	
YNE	Yellowstone Northeast Entrance	
YCM	YMCA Camp	
Nebraska		
O29A	4D Ranch, Culbertson	
AI-NB	Alliance	
AI-	Alliance	AI-NB
M34A	Aspy Farms, Fremont	
ABN	Auburn	
N31A	Bailey Ranch, Gibbon	
M28A	Bar X Bar Ranch, Keystone	
K30A	Basset	
K30B	Basset	
BENE	Beatrice	
O34A	Beatrice	
BGNE	Belgrade	
O32A	Brockman Farm, Red Cloud	
M29A	Burnside Ranch, Stapleton	
L31A	Butterfield Farm, Chambers	
CCNE	Clay Center	
CZ-NB	Cody	
CZ-	Cody	CZ-NB
CUN	Columbus	
L28A	Connealy Angus Ranch, Whitman	
CR-NB	Crete	
CTN	Crete	
CR2NB	Crete	
CR-	Crete	CR-NB
M30A	Dale-Ortello Valley, Anselmo	
DTN	Dwight	
L32A	Elgin	
L25A	Engebretsen Ranch, Morrill	
K27A	Flueckinger Farm, Gordon	
GO-NB	Gordon	
GO-	Gordon	GO-NB
GAN	Gretna	
K33A	Hardington	
HS-NB	Hay Springs	
HS-	Hay Springs	HS-NB
O33A	Hebron	
HMN	Homestead National Monument	
L33A	Hoskins	
N30A	Hueftle Ranch, Cozad	
O35A	Humboldt	
INDN	Indianola	
N33A	J Bar K, Exeter	
JHN	Johnson	
O28A	Krutsinger Ranch, Parks	
M31A	Lambtecht Ranch, Loup City	
K29A	Lazy Trails Angus Ranch, Wood Lake	
LIN	Lincoln	
N34A	Lincoln	
LCN	Lincoln	
LCNC	Loup City	
LCNE	Loup City	
K25A	Mack Ranch, Harrison	
L29A	Maesberg Ranch, Thedford	
M26A	McRoberts Ranch, Bridgeport	
MKN	Medicine Creek Dam	
MH-	Mitchell	MH-NB
MH-NB	Mitchell	
K26A	Motz Farm, Whitney	
O30A	MW Ranch, Wilsonville	
NR-	Niobrara River	NR-NB
NR-NB	Niobrara River	
OGNE	Ogallala	
K31A	O'Neill	
PCNE	Platte Center	
N28A	Pribbeno Ranch, Imperial	
M27A	Reverse DX Ranch, Oshkosh	
L30A	Spencer Herefords Ranch, Brewster	
SGN	Springfield	
N32A	Stulken Farm, Doniphan	
L34A	Svendsen Farm, Lyons	
L27A	T5 Ranch, Ellsworth	
M33A	Taylor Creek Farms, Clarkson	
K28A	Ten Mile Ranch, Cody	
L26A	Underwood Farm, Alliance	
K32A	Verdigre	
N29A	Votaw Ranch, Wellfleet	
WHNE	Wahoo	
WNN	Wann	
O31A	Woolen Ranch, Alma	
Nevada		
BUK	413	
LWN	416	
ALA	Alamo	
AMDNV	Amargosa	
ANCR	Anchorite	
APK	Angel's Peak	
APKW	Angels Peak	
U10A	Ash Meadows, Armagosa	
APNR	Astor Pass	
AT-	Austin	AT-NV
AT-NV	Austin	
P09A	Austin	
BRO	Bare Mountain	
BMN	Battle Mountain	
BTY	Beatty	
BEA	Beatty	BTY
BLM*	Bell Mountain	
BLT	Belted Range	
BGB	Big Butte	
BGN	Big Creek	
BIS	Bismark Peak	

Code	Station Name	Other
BMTN	Black Mountain	
BMT*	Black Mountain	
TVH2	Borealis Mine area, Hawthorne	
BCN	Boulder City	
BNPN	Boundary Peak	
BONR	Boundary Peak	
BOX	Box Canyon	
BYX	Boyer Ranch	
BFC	Buffalo Canyon	
N06A	Buffalo Meadows, Empire	
CTS	Cactus Peak	
CDH1	Calico Hills	
CDH5	Calico Hills	
CQ-NV	Caliente	
W12A	Cal Nev Ari	
CANR	Candelaria	
Q09A	Carvers	
NYC	Charley	
P11A	Circle Ranch, Eureka	
Q10A	Clear Creek Ranch, Tonopah	
NYM	Climax Mine	
N12A	Clover Valley, Wells	
COLR	Columbus	
U11A	Corn Creek	
T11A	Corn Creek, Alamo	
O10A	Cortez Mining, Crescent City	
COTR	Cottonwood	
O11A	Cowboy Ranch, Jiggs	
CPY	CP-1	
CPX	CP-1	
CPN	CP-17	
CMN	Crown Mine	
CU-NV	Currant	
CU-	Currant	CU-NV
CND	Currant	
O12A	Currie	
S12A	Delamar Landing Field, Caliente	
DLM	Delamar Mountains	
DIXR	Dixie Hot Springs	
P08A	Dixie Valley	
DSM	Dog Skin Mountain	
Q11A	Duckwater	
N10A	Dunphy	
TVH3	East Aurora area, Hawthorne	
EPR	East Pahranagat Range	
ESTR	Eastside	
EPM	Echo Peak	
EHN	Echo Peak	
EMN	Eldorado Mountains	
EKO	Elko	
ELK	Elko	
N11A	Elko Archery Club, Elko	
EY2	Ely	EY2NV
EY-NV	Ely	
EY2NV	Ely	
EY-	Ely	EY-NV
ELY	Ely	
ETS	Engine Test Stand	
P10A	Eureka	
EUR	Eureka	
EK-NV	Eureka	
EK-	Eureka (L)	EK-NV
EXC	Excelsior	
FPN1	Fairview Park	
FPN	Fairview Peak	
P07A	Fallon	
FA-NV	Faultless	
FERR	Ferguson	
O09A	Fish Creek Ranch, Battle Mountain	
FLV	Fish Lake Valley	
O06A	Flanigan	
Q08A	Gabbs	
GAB	Gabbs	
GNO	Genoa	
N07B	Gerlach	
N07A	Gerlach	
N08A	GE Springer Mine, Mill City	
GBT	Gilbert	
GILR	Gillis	
GF-	Goldfield	GF-NV
S09A	Goldfield	
GF-NV	Goldfield	
GMN	Gold Mountain	
V11A	Goodsprings	
GLR	Groom Lake Road	
GMR	Groom Range	
ZOX	Ground Zero	GZN
GZN	Ground Zero	
GRX	Grover	
M08A	Happy Creek Ranch, Winnemucca	
HLX	Hole	
M11A	Holland Ranch, North Fork	
HCR	Hot Creek Range	
HYX	Hoyt Mine	
HCK	Huntoon Valley	
HVL	Huntoon Valley	
M10A	I.L. Ranch, Tuscararo	
IO-NV	Ione	
IO-	Ione	IO-NV
JON	Johnnie	
NYJ	Joshua Tree	
KVN	Kaiserville	
KP-NV	Kawich Peak	
KRNA	Kawich Range	
LM-	Lake Mead	LM-NV
LM-NV	Lake Mead	
LVW	Las Vegas	
LVN	Las Vegas	
LDV	Leadville	
LI-	Liberty	LI-NV
LI-NV	Liberty	
LHV	Little Huntoon Valley	
LSM	Little Skull Mountain	
LSN	Little Skull Mountain	
LOP	Lookout Peak	
LO-NV	Lovelock	
LO-	Lovelock	LO-NV
LVK	Lovelock	
LBP	Lucky Boy Pass	
LNG	Luning	
MGM	Magruder Mountain	
M09A	Marrel Ranch, Paradise Valley	
P12A	McGill	
MCY	Mercury	
MCN	Mercury	
MCV	Mercury	
MILR	Miller Mountain	
MNV	Mina	
MNA	Mina	
R08A	Mina	
MN-NV	Mina	
MN-	Mina	MN-NV
NVAR	Mina Array Beam Reference Point	
NV01	Mina Array Site 1	
NV10	Mina Array Site 10	
NV02	Mina Array Site 2	
NV03	Mina Array Site 3	
NV32	Mina Array Site 32	
NV33	Mina Array Site 33	
NV04	Mina Array Site 4	
NV05	Mina Array Site 5	
NV06	Mina Array Site 6	
NV07	Mina Array Site 7	
NV08	Mina Array Site 8	
NV09	Mina Array Site 9	
NV11	Mina Array Sites 11 and 31	
T12A	Moapa	
M13A	Montello	
MZP	Montezuma Peak	
MTPC	Mountain Pass	
MTI	Mount Irish	
N23	N23	
NMN	Nasa Mountain	
NEN	Nelson	
V12A	Nelson	
NEL	Nelson	
NT-NV	Nevada Test Site	
NT2NV	Nevada Test Site	
NTA	Nevada Test Site Array	
NPN	North Pahroc Range	
NPM	North Pahute Mesa	
NRM	North Rainier Mesa	
NRR	North Reno	
ADM	NRDS	
NSP	Numbskull Pass, NTS	
OB2NV	Oak Springs Butte	
OB-NV	Oak Springs Butte	
OB3NV	Oak Springs Butte	
OVE	Overton	
PAHR	Pah Rah Range	
PRN	Pahroc Range	
LO2	Pahute Mesa	
PMN	Pahute Mesa	
PH-NV	Pahute Mesa Site	
PH3NV	Pahute Mesa Site	
PH4NV	Pahute Mesa Site	
PH2NV	Pahute Mesa Site	
PARR	Paradise	
PEAR	Peavine Mountain	
PNR	Penrod	
PNTR	Pine Nut	
PLTX	Planet X, Gerlach	
R12A	Pony Springs, Pioche	
QM-NV	Quartzite Mountain	
QCS	Queen City Summit	
QNR	Quinn River	
QRV	Quinn River Valley	
S11A	Rachel	
RH-NV	Rawhide Mountain	
NYR	Receiver Site	
REN	Reno	
RVE	Reveille Range	
O08A	Rochester Mine, Lovelock	
N09A	Rock Creek Ranch, Golconda	
RUT	Ruth	
RYN	Ryan	
SGI04	Saint George Infrasonic Array Site 4	
Q07A	Schurz	
SRG	Seaman Range	
SHPR	Sheep Range	
SHRG	Sheep Range	
SZ-NV	Shoal	
SZ-	Shoal	SZ-NV
SSP	Shoshone Peak	
SVP	Silver Peak Range	
SIMR	Simon	
STM	Slate Mountain	
SMN	Sleeping Mountain	
WTNK	Soaring Heights, Las Vegas	
M07A	Soldier Meadows	
SPRG	Spotted Range	
SPR3	Spring Creek 3	
SSX	SS1	
STX	Station 2	
P06A	Stead Airport, Stead	
SWN	Stillwater	
ST-NV	Stillwater	
ST-	Stillwater	ST-NV
SDH	Striped Hills	
SOX	Sue Hot Springs	
SC-NV	Sutcliffe	
SC-	Sutcliffe	SC-NV
NYS	Syncline Ridge	
TPU	Tempiute Mountain	
N2-NV	Test Site	
NT13	Thirsty	
TCNV	Thirsty Canyon	
TMN	Timber Mountain	
TMBR	Timber Mountain	
TP-NV	Tippipah	
TP-	Tippipah	
TPK	Tolicha Peak	
TI-NV	Tolicha Peak	
TPV	Tonopah	
TNP	Tonopah	
TPH	Tonopah	
R09A	Tonopah	
S10A	Tonopah Range, Tonopah	
TPNV	Topopah Spring	
O07A	Toulon	
TRCR	Troy Canyon	
R11A	Troy Canyon, Currant	
R11B	Troy Canyon, Currant	
TVH1	TV Hill, Hawthorne	
TSV	Twin Springs	
UVN	Unionville	
UVN1	Unionville	
U12A	Valley of Fire, Overton	
NYV	Vern	
VCNR	Virginia City	
VIP	Virginia Peak	
WAD	Wadsworth	
WAKR	Walker	
WZ-NV	Warm Springs	
WSN	Warm Springs	
R10A	Warm Springs	
WSR	Warm Springs Repeater	
WSH	Washington Hill	
WCN	Washoe City	
M12A	Wells	
N13A	Wendover, West Wendover	
WTCR	Whites Canyon	
WCT	Wildcat Mountain	
WLDR	Wildhorse	
L09A	Wilkinson Ranch, McDermitt	
Q12A	Willow Creek Ranch, Ely	
WI-NV	Winnemucca	
WI-	Winnemucca	WI-NV
WMN	Winnemucca	
WVA	Winnemucca Valley	
WRN	Worthington Mountains	
YERR	Yerington	
YF3NV	Yucca Flat NTS	
YF-NV	Yucca Flat NTS	
YF2NV	Yucca Flat NTS	
YF4NV	Yucca Flat NTS	
YMT1	Yucca Mountain	
YM-NV	Yucca Mountain	
YMT6	Yucca Mountain	
YMT5	Yucca Mountain	
YMT4	Yucca Mountain	
YMT3	Yucca Mountain	
YMT2	Yucca Mountain	
WHR		
NT-		NT-NV
NT2		NT2NV
FPK		
New Hampshire		
BNH	Berlin	
K63A	Dunstable	
DNH	Durham (NH)	
FNN	Franconia Notch	
FFD	Franklin Falls Dam	
HNH	Hanover	
J62A	Henniker	
LANH	Laconia	
LB-NH	Lebanon	
LB-	Lebanon	LB-NH
LBNH	Lisbon	
LS-NH	Lisbon	
LS-	Lisbon (USA)	LS-NH
H62A	Milan	
ONH	Oakhill	
PNH	Pitcher Mountain	
NH1	Sanbornton	
J63A	Strafford	
I62A	Tamworth	
DUNH	University New Hampshire, Durham	
UNH	University of New Hampshire, Durham, NH	
WNH	Whiteface	
WBNH	Wolfeboro	
New Jersey		
O61A	Allentown	
BRNJ	Basking Ridge	
CNJ	Catfish Pond	
DENJ	Denville	
GMTN	Garret Mountain	
GPD	Greenpond	
P61A	Hammonton	
LVNJ	Long Valley	
ABMC	Merrill Creek	
HRMC	Merrill Creek	
PFMC	Merrill Creek	
EPMC	Merrill Creek	
FHMC	Merrill Creek	
PMMC	Merrill Creek	
PDMC	Merrill Creek	
PEMC	Merrill Creek	
MONJ	Montclair	
MSNJ	Montclair St. U.	
OGD	Ogdensburg	
ODNJ	Ogdensburg	
PQN	Pahaquarry	
PNJ	Paterson	
PVN	Peters Valley	
PANJ	Princeton	
PRIN	Princeton	
RAMA	Ramapo Mountain	
N61A	South Mountain, Millburn	
TABN	Tabernacle	
New Mexico		
X21A	Alamocita Creek, Datil	
W22A	Albuquerque	
ANMO	Albuquerque	
ABQ	Albuquerque	ALQ
ALQ	Albuquerque	
ANTR	Antelope Ridge	
127A	Arkansas Junction, Hobbs	
TASM	ASL Pad, Albuquerque Seismic Lab	
U26A	Atchley Ranch, Grenville	
BRC	Barley Canyon	
BNM	Barren Site	
BMNM	Bear Mountains	
T19A	Beclabito	
123A	Bell Site, White Sands Missile Range	
227A	Bennet, Jal	
BDNM	Bernardo	
X22A	Bernardo	
BBN	Black Butte	
W27A	Bowe Ranch, Endee	
V20A	Brimhall	
CCN	Cachucha Ranch	
Y24A	Capitan	
Z26A	Caprock	
CPRX	Cap Rock	
CLNB	Carlsbad	
CLN	Carlsbad	
CLN2	Carlsbad 2	
CLN4	Carlsbad 4	
CLN6	Carlsbad 6	
CLN7	Carlsbad 7	
CBET	Carlsbad E Tower	
CRNM	Carthage	
Y27A	Causey	
CZL	Cerro Azul	
CDN	Cerro del Durazano	
CNM	Chama	
223A	Chaparral, Anthony	
U25A	Circle Dot Ranch, Maxwell	
CLP	Clara Peak	
126A	Clayton Basin, Artesia	
X25A	Clemmons Ranch, Yeso	
COH	Cochiti	
122A	Conniff Cattle Co., Rinco	
121A	Cookes Peak, Deming	
X26A	CR and CF Franklin Farms, Melrose	
DMPK	Deadman Peak	
225A	Deer Hill, Carlsbad	
DNM	Dulce	
Z22A	Elephant Butte, Truth or Consequences	
Y26A	Elida	
U23A	El Rito	
EST	Estancia	
EUM	Eureka Mesa	
X27A	F and S Farms, Texico	
FARG	Farmington	
FCN	Frijoles Canyon	
125A	Gardner Draw, Artesia	
GB-NM	Gasbuggy	
GN-NM	Gnome	
GN-	Gnome	GN-NM
GNM	Golden	
GDL2	Guadalupe Mountain	
HTMS	Hat Mesa	
Y20A	Horse Springs, Datil	
X23A	Hourglass Bar Ranch, Mountainair	
Y22C	IRIS PASSCAL Instrument Center, Socorro	
Y22E	IRIS PASSCAL Instrument Center, Socorro	
Y22D	IRIS PASSCAL Instrument Center, Socorro	
JOAQ	Joaquin Lookout	
JUM	Jug	
KT7	Kermit	
KT1	Kermit	
KT2	Kermit	
KT3	Kermit	
KT4	Kermit	
KT5	Kermit	
KT8	Kermit	
KT9	Kermit	
320A	Kipp Ranch, Antelope Well	
LCV	La Cueva	
LAZ	Ladron	
LAD	Ladron Mountain	
LJY	La Joya	
LFC	Lale Fork Canyon	
LC-	Las Cruces	LC-NM
LC-NM	Las Cruces	
W24A	Lazy 6 Ranch, Villanueva	
X24A	Lazy VL Ranch, Encino	
LENM	Lemitar	
U22A	Llaves	
LOA	Los Alamos	
LSIAR	Los Alamos Infrasonic Array Beam Reference Point	
LSI01	Los Alamos Infrasonic Array Site 1	LSIAR
LSI03	Los Alamos Infrasonic Array Site 3	
LSI04	Los Alamos Infrasonic Array Site 4	
LPM	Los Pinos Mountain	
Y23A	Lovelace Mesa, Carrizozo	
226A	Malaga, Loving	
MLM	Mesa Lucero	
Y25A	Mesa, Roswell	
221A	Mesquite Ranch, Deming	
V21A	Milan	
ML-NM	Mogollon	
ML-	Mogollon	ML-NM
U24A	Moreno Valley High School, Angel Fire	
MSA	Mount San Antonio	
MTL	Mount Taylor	
U21A	Nageezi	
T21A	Navajo Lake, Ignacio	
U20A	Newcomb	
NMH	New Mexico Highlands	
Z20A	Nine Sixteen Ranch, Cliff	
OTZ	Ortiz Mountain	
V23A	Ortiz Mt. (NFS), Santa Fe National Forest	
W26A	Owens Ranch, Tucumcari	
Y22F	Passcal Instrument Center, Socorro	
TVZX	PASSCAL Warehouse	
220A	Playas Peak, Playas	
Y21A	Point of Rocks Canyon, Magdalena	
X20A	Quemado	
W20A	Ramah	
V24A	Rampart Ranch, Las Vegas	
V25A	Rancho No Tengo, Wagon Mound	
RT-NM	Raton	
RT-	Raton	RT-NM
REDP	Redondo Peak	
RIO	Rio Grant	
Z23A	Rita Site, White Sands Missle Range	
Z25A	Roswell	
SPD	Saint Peter's Dome Lookout	
W21A	San Fidel	
SMNM	San Marcial	
V22A	San Miguel Ranch, Cuba	
Z24A	Sheeppen Canyon, Tinnie	
SVM	Silver City	
TASL	Snake Pit,	

	Albuquerque Seismic Lab	
SRF	Snake Ranch	
SRM	Socorro	
SNM	Socorro	
Y22A	Socorro	
SBM	South Baldy	
Z21A	St. Cloud Mine, Winston	
124A	Stringfield Ranch, Weed	
Z27A	Tatum	
226B	Tecolote Peak, Malaga	
V26A	Tequesquite Ranch, Mosquero	
TSP	Tesuque Peak	
TTP	Tetilla Peak	
TC-	T or C	TC-NM
TD-	Tres Piedras	TD-NM
TD-NM	Tres Piedras	
TC-NM	Truth or Consequences (T or C)	
120A	U Bar Ranch, Lordsburg	
W23A	Werner Place, Edgewood	
WMA	West Mesa	
222A	Williams Family Ranch, Las Cruces	
WTX	Workman Tunnel	
W25A	X Bar L Ranch, Newkirk	
New York		
ADN	Adams	
RSNY	Adirondack	
ACCN	Adirondack Community College	
APH	Airport Hangar	
ALX	Alexander Bay	
ALF	Alfred	
ANNS	Annsville	
J54A	Appleton	
ARNY	Arden House	
ATT	Attica	
ABRN	Auburn	
ASNY	Au Sable	
BGR	Bangor (NY)	
K54A	Basiliko Farm, Boston	
BERL	Berlin (NY)	
BNY	Binghamton	
BINY	Binghamton	
BING	Binghamton	
BRNY	Black Rk. Forest	
BML	Blue Mountain Lake	
BLMY	Blum	
BRCN	Bracie Corner	
BIPS	Buchanan	
BUF	Buffalo	
BFF	Buffalo-Larkin	
H59A	Cadyville	
CHRY	Calls Hollow Road	
CAMB	Cambridge (NY)	
CANY	Canisius	BUF
CCNY	Canisius College, New York, USA	
I57A	Carthage	
CTNY	Carthage	
CTR	Castle Rock	
N62A	Caumsett State Park, Huntington	
CAZE	Cazenovia	
CPNY	Central Park	
CHAU	Chaumont	
CMNY	Cheesecote Mountain, Pomona, NY	
CNY	City College NY	
CLAR	Clarkstown	
CLIN	Clinton	
CONY	Cobleskill	
COSP	Cold Spring	
CSRY	Cold Spring River	
K59A	Cooperstown	
CROG	Croghan	
CRNY	Cross River	
CLY	Crystal Lake	
DANY	Dannemora	
DH-	Delhi	DH-NY
DH-NY	Delhi	
DPLY	Delli Paoli	
DP-	Deposit	DP-NY
DP-NY	Deposit	
DNY	Dersam	
DHN	Doyle Hill	
DBMY	Dunderburg Mountain	
DSN	Dusing	
EGN	Eagle's Nest	
K58A	Earlville	
EAN	East Aurora	
ELNV	Ellenville	
ELM	Elma	
FINE	Fine	
K60A	Five Rivers Env. Education Center, Delmar	
FRNY	Flat Rock	
FOR	Fordham	
H58A	Gabriels	
GARN	Garrison	
GENY	Geneseo	
GERM	Germantown	
GILB	Gilboa	
GSCY	Girl Scout Camp	
GCY	Glen Cove	
GLOV	Gloversville	
GOBY	Gobbelet	
GNF	Goodnow Flow	
GFN	Grafton	
M61A	Granite Springs	
L56A	Greenwood	
HMB	Hamburg	
HNY	Hamilton	
L58A	Harry Jones Memorial, Binghamton	
HAVE	Haverstraw	
L61A	Hillsdale 1, Hillsdale	
J55A	Hilton	
L55A	Hinsdale	
HMCY	Holy Mount Cemetery	
HCNY	Howe Caverns	
ITH	Ithaca	
INY	Ithaca	
KSVO	Keeseville	
LCNA	Lacona	
LOZ	Lake Ozonia	
LONY	Lake Ozonia	
J60A	Lant Hill Farm, Argyle	
LILH	Lima (NY)	
AMNH	Manhattan	
MSNY	Massena	
N63A	Mattituck	
MEDO	Medina	
MEDY	Medina	
K56A	Middlesex	
MIV	Mineville/Witherbee	
NPNY	Mohonk Preserve	
MANY	Mount Airy	
MMNY	Mt. Morris Dam	
CHIP	Near Potsdam	
NCB	Newcomb	
NWC	North Woods Club	
OAK	Oakfield	
I58A	Old Forge	
I59A	Olmsteadville	
ONTR	Ontario (NY)	
OSBY	Osborn	
OSNY	Ossining	
OSWG	Oswego	
OCN	Over Castle Rock	
PRNY	Paleo Inst,Ithaca	
PAL	Palisades	
K55A	Perry	
PGY	Peter Gray Mountain	
PHEL	Phelps	
J59A	Piesco	
PNZ	Plattsburgh	
PNY	Plattsburgh	
M60A	Port Jervis	
POTS	Potsdam Coll	
PTN	Potsdam (NY)	
PUTN	Putnam	
QLNY	Queensboro Lake	
CUNY	Queens College	
J58A	Remsen	
H57A	Richville	
ROC	Rochester	
RMO	Rochester (NY)	
RLSP	Rockland Lake	
ROTD	Rotterdam (NY)	
SPSY	Saint Peters School	
SANY	Sanborn	
SRMY	Scherman	
K57A	Scipio Center	
L60A	Shokan	
L54A	Sinclairville	
SKN	Skaneateles	
SKLY	Ski Hill Lift	
SONY	Sodus	
SFO	Sterling Forest	
SFN	Sterling Forest	
STLY	Stiles	
STWA	Stillwater	
SPNY	Stone Ridge	
PKNY	Stone Ridge	
PONY	Stone Ridge	
SNPY	Stony Point	
SUFF	Suffern	
TBR	Table Rock	
TRNY	Table Rock, Ramapo, NY	
TRY	Troy	
TUS	Tuscarora	
TXNY	Tuxedo	
UWL	Utowana Lake	
VCS	Vernal Corners	
L59A	Walton	
WPR	Ward Pound Ridge	
WTVE	Waterville	
WGLY	Wegel	
WLI	Wellesley Island	
WCNY	West Carthage	
WCCN	Westchester CC	
WCC	Westchester Community College	
WMNY	West Monroe	
WEST	Westmoreland	
WPNY	West Park	
WVLY	West Valley	
WVNY	West Valley, New York	
J57A	Williamstown	
WNY	Wilmington	
WND	Windham	
J56A	Wolcott	
YSNY	Yorkshire	
JORD		
North America		
HMH	Humu`ula Sheep Station	
PJLM	Jolon Road	
KOFP	Korovin Flat Point	
MWH	Moku`a@18weoweo	
PJC	Pensacola State College	
North Carolina		
AE-	Albemarle	AE-NC
AE-NC	Albemarle	
X60A	Albert Glenn Thornton	
AVNC	Asheville	
BENN	Benn Knob	
U57A	Blanch	
BRBC	Blue Ridge Broadcasting Company	
Y60A	Bolivia	
BUNC	Butner	
CCNC	Camp Creek Bald	
CHC	Chapel Hill	
CEH	Chapel Hill	
CPC	Cherry Point	
CNNC	Cliffs of the Neuse	
W59A	Clinton	
V57A	Coltrane Farms	
W53A	Cullowhee	
ER319	Early Rise 319	
W57A	Gilead	
GFM	Grandfather Mountain	
GBNC	Greensboro	
W61A	Ground Anchor Farm, New Bern	
V62A	Hyde County Airport	
W56A	Indian Trail	
V60A	Jim Taylor Road, Stokes	
U56A	King	
RNC	Little Raleigh	
U59A	Littleton	
X59A	McDuffie Farm, Elizabethtown	
V59A	Middlesex	
V56A	Mocksville	
MGNC	Mount Gibbes	
MTSH	Mount Sheppard	
MYNC	Murphy	
W52A	Murphy	
V54A	Nebo	
NCAT	North Carolina A&T Campus	
U58A	Oxford	
PAULI	Pauline	
U60A	Pendleton	
W60A	Pink Hill	
PKNC	Pores Knob	
U61A	Possum Corner Farms, Belvidere	
W58A	Raeford	
RBNC	Richland Balsam	
RICH	Rich Mountain	
V61A	Roper	
X58A	Rowland	
V53A	Saluda	
SMNC	South Mountain	
U55A	TA2, Sparta	
V55A	Taylorsville	
TVNC	Taylorsville	
TRYN	Tryon Peak	
WSSR	Wesser Bold	
WNC	Wilmington	
V58A	Windy Hill, Pittsboro	
WSNC	Winespring Bald	
North Dakota		
E32A	Braaten, Kindred	
D30A	Buchanan	
E26A	Carlson Angus Ranch, Regent	
E27A	Carson	
D27A	Center	
D32B	Dogwood Acres, Gardner	
D32A	Dogwood Acres, Gardner	
B28A	Dugan Ranch, Towner	
D25A	Fairfield	
C25A	Freed Ranch, Watford	
B31A	Greenbush Farm, Park River	
HH2ND	Hannah	
HH2	Hannah	HH2ND
C28A	Hausauer Farms, Kief	
A30A	Hoffart Farm, Langdon	
E28A	Huff	
B26A	Jensen Ranch, Palermo	
E30A	Jud	
B25A	Knox Farm, Ray	
C31A	Landman Farms, Northwood	
A27A	Ledoux Ranch, Antler	
MDND	Maddock	
D26A	Manning	
A29A	Manning Farm, Rocklake	
D31A	Mcclaflin, Tower City	
E25A	Miller Ranch, Amidon	
C30A	Mose, Pekin	
B30A	Myrvik Farm, Edmore	
E29A	Napoleon	
E31A	Nome	
B27A	Peters Farms, Glenburn	
D29A	Pettibone, Tappen	
D28A	Regan	
A28A	Rude Farm, Bottineau	
RY-	Ryder	RY-ND
RY-ND	Ryder	
C27A	Sayler Ranch, Douglas	
A25A	Svangstu Ranch, Noonan	
TS-	Trotters	TS-ND
TS-ND	Trotters	
A26A	Wade Farm, Kenmare	
B29A	Wagenman Farm, Cando	
C26A	Wahner Farm, Parshall	
A24A	Westby	
Ohio		
O52A	Adamsville	
ACOH	Alum Ck. St. Park	
ACSO	Alum Creek State Park	
AN8	Anna	
AN12	Anna	
AN1	Anna	
AN10	Anna	
AN11	Anna	
AN3	Anna	
AN4	Anna	
AN7	Anna	
AN9	Anna	
N51A	Ashland	
ACEO	Ashtabula EMA	
BTCO	Belmont College, St. Clairsville	
Q52A	Bidwell	
BCSO	Bloom-Carroll	
BHSO	Botkins High School	
BGO	Bowling Green	
BGSO	Bowling Green State University	
O50A	Cable	
M52A	Chesterland	
CCHE	Chesterland	
CNN	Cincinnati	
CSCO	Clark State Community College	
CLE	Cleveland	
CLEO	Cleveland Museum of Natural History	
COWO	College of Wooster	
N49A	Columbus Grove	
P52A	Corning	
O49A	Covington	
CECL	East Claridon	
M48A	Edgerton	
ECCO	Edison CC	
M51A	Elyria	
M50A	Fremont	
GZ-OH	Galion	
Q50A	Georgetown	
CGRR	Girdled Road	
P50A	Jamestown	
KSUO	Kent State University	
LECO	Lake Erie College	
LCCO	Lakeland CC	
LCCO2	Lakeland CC 2, Kirtland	
M49A	Liberty Center	
N53A	Lisbon	
MACO	Marietta College	
MVKY	Maysville	
N52A	McGinn's Farm, Dalton	
CMEN	Mentor	
P49A	Miami Univ. Ecology Research Center	
MLF	Milford	
MOSO	Mohican School	
GPDO	Montville, Ohio	
MUCO	Mount Union College	
N50A	Nevada	
O53A	New Philadelphia	
OGSO	Ohio Geological Survey, Columbus	
OSUO	Ohio State University	
OSLO	Ohio State University--Lima	
OSMO	Ohio State University--Mansfield	
OUAO	Ohio University	
O51A	Pataskala	
Q51A	Peebles	
PIOH	Piqua	
SSUO	Shawnee State University	
CTOM	Thompson	
CTHA	Thorn Acres	
UOCO	University of Cincinnati	
UTO	University of Toledo	
UTLO	University of Toledo	
P53A	Whipple	
P51A	Williamsport	
WSCO	Wright State University--Celina	
WSDO	Wright State University--Dayton	
YSUO	Youngstown State University	
Oklahoma		
ACO	Alabaster Cavern State Park	
ATO	Altona	
U34A	Anderson Ranch, Garber	
AL-	Antlers	AL-OK
AL-OK	Antlers	
AP-OK	Apache	
AP-	Apache	AP-OK
V32A	Arapaho	
ADOK	Arcadia Dam	
AM-	Ardmore	AM-OK
AM-OK	Ardmore	
AK-OK	Atoka	
AK-	Atoka	AK-OK
OK052	Battle Ridge Rd, NW of Cushing	
BHO	Bethel	
BIX	Bixby	
BLOK	Blackwell	
BCOK	Bluff Creek, North Oklahoma City	
W34A	Bridge Creek, Tuttle	
W33A	Caddo, Fort Cobb	
CCOK	Camp Classen	
CRO	Carnasaw Mountain Lookout Tower	
CROK	Carrier	
CDO	Cedar Creek	
X36A	Centrahoma	
OK006	Choctaw High	
CT-OK	Clayton	
X37A	Clayton	
CT-	Clayton	CT-OK
OK030	Cody Creek RV Park, Cushing	
TUL0	Crosstimbers Borehole	
DEOK	Depew	
X35A	Drake	
Y36A	Durant	
DU-OK	Durant	
DU-	Durant	DU-OK
OK035	E0210 Rd and N2420 Rd, Alva	
OK051	E0350 and S34600 Roads, Ralston	
OK049	E0420 Rd and N3200 Rd	
OK023	East Waterloo Road, Luther	
ELIS	Ellis County	
X32A	Elmer	
GBO	Fort Gibson	
FNO	Franklin	
FKO	Franklin	
GC02	Grant County #2	
V34A	Guthrie	
OK007	Harrah City Hall	
OK003	Hefner Road	
HB-OK	Hobart	
HB-	Hobart (Okla)	HB-OK
W31A	Holland Ranch, Erick	
Y37A	Hugo	
V37A	Hulbert	
CSTR	Hydro, Custer County	
Y38A	Idabel	
V36A	Jenks	
JCE1	John's Creek	
OK001	Jones High Sch.	
X33A	Lawton	
LNO2	Leonard	
TUL3	Leonard	
TUL1	Leonard	
LNO3	Leonard	
LNO	Leonard	
OK029	Liberty Lake	
U33A	Lingo Farm, Meno	
V33A	Lossen Ranch, Watonga	
LOOK	Love County	
OK005	Luther M School	
Y35A	Marietta	
MZO	Mazie Landing	
X31A	McDonald Ranch, Hollis	
MEO	Meers	
MFO	Meers Fault	
OK033	Mehan	
MRO	Meridian	
V35A	Meyer Ranch, Chandler	
OK020	N3440 Road, Meeker	
OK021	N3530 Road, Sparks	
OK022	N3560 Road, Prague	
U31A	Nine Bar Ranch, Gage	
OK034	N. Norfolk Rd., Cushing	
NMO	Norman	
OK009	Oakdale Elementary Sch.	
OCO	Oklahoma City	
OKCFA	Oklahoma City	
OKCSW	OKLAHOMA CITY ARRAY SWEETHEART OKLAHOMA USA	
OK004	Okla Sci Mus	
OLO	Oologah	
U36A	Oologah	

Code	*Station Name*	*Other*
U35A	Pawnee	
OK044	Pawnee Station 44	
OK045	Pawnee Station 45	
OK046	Pawnee Station 46	
OK047	Pawnee, Station 47	
OK048	Pawnee Station 48	
OK050	Pawnee Station 50	
PKO	Pickens	
PCO	Ponca City	
W38A	Poteau	
OK011	Prague	
QMO	Quartz Mountain	
QZO	Quartz Mountain State Park	
QUOK	Quay	
W37B	Quinton	
W37A	Quinton	
Y34A	Reagan Ranch, Oscar	
RRO	Red Rock Canyon	
RLO	Rose Lookout	
U37A	Salina	
OK032	Salt Plains WLR near Rte 11	
OK031	S. Brethren Rd., Cushing	
W32A	Sentinel	
SCE1	Shell Creek	
SIO	Slick	
X34A	Smith Ranch, Marlow	
T35A	Sooner Cattle Company, Foraker	
OK008	Spencer City Hall	
V31A	Spring Creek Lake, Blk. Kettle Nat Grslnd	
OK053	SW of W Deep Rock Rd and N Kings Hwy, Cushing	
W35A	Tecumseh	
TO-OK	Tishomingo	
TO-	Tishomingo	TO-OK
TUL	Tulsa	
TSO	Tulsa	
UYO	Union Valley	
VVO	Vivian	
WA-	Watson	WA-OK
WA-OK	Watson	
NOKA	Waynoka	
OK024	West corner E0890 Road	
OK038	West end E0370 Rd, Waynoka	
OK025	Westminster Rd and Hefner Rd	
W36A	Wetumka	
X38A	Whitesboro	
WMOK	Wichita Mountains	
WMO	Wichita Mountains Array	
OK002	Wilshire Harrah	
WLO	Wilson	
U32A	Winter Ranch, Mooreland	
U30A	WK&E Inc. Balko	
Oregon		
AOT	Adel	
L07A	Adell	
ALST	Alston	
ALVY	Alvey	
ALO	Ashland	
ASBU	Astronaut Butte, Newberry	
BPO	Bald Peter	
VBPM	Bald Peter	
BT-	Bates	BT-OR
BT-OR	Bates	
F10A	Beach Ranch, Enterprise	
VBEM	Beaver Butte	
BEND	Bend	
I05A	Bend	
BROR	Big Rock Lookout	
G10A	Bishop Farm, Joseph	
BKCOR	Black Crater	
BMO	Blue Mountains Array	
KBO	Bosley Butte	
BUCK	Buck Mountain	
BULL	Bull Run Dam	
BURN	Burns	
BUOR	Burton Butte	
BBOR	Butler Butte	
CHOR	Cabbage Hill	
G06A	Carlson Farm, Grass Valley	
L02E	Cave Junction	
L02F	Cave Junction	
L02A	Cave Junction	
L02D	Cave Junction, OR	
VCMM	Chase Mountain	
K04D	Chiloquin, OR	
K04A	Chilquin	
J06A	Christmas Valley	
J08A	Circle Bar Ranch, Crane	
B023	Clatskanie	
COLT	Colton High School	
COR	Corvallis	
G09A	Cove	
KR-	Crane	KR-OR
KR-OR	Crane	
VCLM	Crater Lake	
CROR	Criterion Ridge	
H04A	Detroit Lake	
DBO	Dodson Butte	
I03D	Drain, OR	
I08A	Drewsey	
H09A	Durkee	
KEBM	Edson Butte	
EUO	Eugene	
I03A	Eugene	
EYES	Ewing Young ES, Newberg ANSS-SMO	
FBO	Farmers Butte	
L08A	Fields	
VFP	Flag Point	
J05A	Fort Rock	
J05D	Fort Rock, OR	
FMC	Four Mile Canyon	
VFBM	Frederick Butte	
FRIS	Frissel Point	
J09A	Fry Pan Ranch, Harper	
K02A	Glendale	
VGTM	Goat Mountain	
GT2	Goat Mountain	
VGB	Gordon Butte	
VGBM	Gordon Butte	VGB
VGMM	Grass Mountain	
VGPM	Green Peter	
PGO	Gresham	
GROR	Grindstone Mountain	
GMO	Grizzlie Mountain	
HAMO	Hamaker Mountain	
VHBM	Hamelton Butte	
HSO	Harness Mountain	
HAO	Harrison Substation	
HRO	Hermiston	
VHHM	High Heaven	
J07A	Hines	
HIYU	Hiyu Mountain	
HMO	H. Mason	
HOG	Hogback Mountain	
VHEM	Hood Meadows East	
VHYM	Horsefly Mountain	
HBO	Huckleberry Mountain	
HUMO	Hull Mountain	
HUOR	Husband	
J03A	Ideyld Park	
IRO	Indian Ridge	
VIPM	Ingram Point	
I07A	Izee	
VJYM	Jersey	
JBO	Jordan Butte	
JORV	Jorden Valley SMO	
KWBU	Kawak Butte, Newberry	
KEEL	Keeler	
KMOR	Kings Mountain	
L04A	Klamath Falls	
L04D	Klamath Falls	
KFO	Klamath Falls	
KFAL	Klamath Falls	
LGOR	La Grande	
LKVW	Lakeview	
L05A	Lakeview	
H07A	Lands Inn, Kimberly	
LANE	Lane BPA Site-SMO	
VLMM	Larch Mountain	
VLL	Laurance Lake	
H04D	Lebanon	
LIME	Lime	
LNOR	Lincton Mountain	
H06A	Lindquist Farm, Mitchell	
LAB	Little Aspen Butte	
I09A	Lost Marbles Ranch, Westfall	
K10A	MacKenzie Ranch, Jordan Valley	
H05A	Madras	
K08A	Mann Creek Ranch, Princeton	
I02A	Mapleton	
MRIN	Marion BPA Site DOGAMI SMO	
MPOR	Mary's Peak	
VMNM	Maupin	
G03D	McMinnville, OR	
MFW	Milton-Freewater	
MONO	Monmouth DOGAMI SMO	
MOON	Moon Mountain	
VMHM	Mount Hagen	
VHOM	Mount Hebo	
HEBO	Mount Hebo	
HOOD	Mount Hood Meadows	
G04A	Mulino	
J01E	Myrtle Point	
J01D	Myrtle Point	
NCOR	Newberry Crater	
NEWO	Newport DOGAMI SMO	
NLO	Nicolai Mountain	
PALME	Palmer Lift, Mt. Hood	
PERL	Pearl BPA Site DOGAMI SMO	
PT-	Pendleton	PT-OR
PT-OR	Pendleton	
PNO	Pendleton	
F08A	Pendleton	
PK-	Pilot Rock	PK-OR
G08A	Pilot Rock	
PK-OR	Pilot Rock	
PN-	Pine Creek	PN-OR
PN-OR	Pine Creek	
PMT	Pine Mountain	
PINOR	Pine Mountain	
VPIM	Pine Mountain	
PINE	Pine Mountain Observatory	
PTD	Portland	
BEAV	Portland	
H08A	Prairie City	
PRLK	Prince Lake	
I06A	Prineville	
VRC	Rainbow Creek	
F04D	Rainier, OR	
K07A	Rock Creek Ranch, Frenchglen	
RBO	Rocky Butte	
RNO	Roman Nose	
K09A	Rome	
VRBM	Round Butte Dam	
G07A	Ruggs Ranch, Heppner	
F09A	S2 Ranch, Elgin	
VPMM	Saint Patrick Mountain	
VSMM	Salem	
VSCM	Scott Mountain	
B022	Seaside	
F03A	Seaside	
SEAS	Seaside SMO	
SA-	Seneca	SA-OR
SA-OR	Seneca	
SHRK	Shell Rock	
K01A	Sixes	
KSCM	Snow Cap Mountain	
H03A	Soap Creek Ranch, Albany	
SOUA	Southern Oregon Univeristy DOGAMI SMO	
SR-	Sparta	SR-OR
SR-OR	Sparta	
VSP	Spence Mountain	
VSBM	Spring Butte	
K05A	Summer Lake	
SVIC	Surveyors Ice Cave, Newberry	
SSOR	Sweet Springs	
I02D	Swisshome	
TAKO	Tahkenitch	
I04A	Tendick Farm, Oakridge	
I05D	Terrebonne, OR	
VTDM	The Dalles	
TCO	Three Creek Meadows	
WIFE	Three Sisters--Wife	
TIMB	Timberline	
H02A	Toledo	
TOLO	Toledo BPA CREST BB SMO	
TMBU	Tom Butte, Newberry	
TDH	Tom, Dick, Harry Mountain	
TKO	Trask Mountain	
N02D	Trinity Center, CA	
TPOR	Trinity Point	
VTHM	Trough	
TCBU	Trout Butte	
VTCM	Trout Creek Butte	
TCBUT	Trout Creek Butte at 3-Sisters	
UK-	Ukiah	UK-OR
UK-OR	Ukiah	
J02A	Umpqua	
UMPQ	Umpqua Community College DOGAMI SMO	
J04A	Umpqua National Forest, Toketee	
J04D	Umpqua National Forest, Toketee, OR	
K06A	Valley Falls	
VT-	Venator	VT-OR
VT-OR	Venator	
VWMM	Walker Mountain	
G05A	Wamic	
G05D	Wamic, OR	
VWBM	Wanoga Butte	
WPO	West Portland	
WMOR	Whale Back Mountain	
WVOR	Wild Horse Valley	
K02D	Willamette Meridian	
G03A	Yamhill	
Pennsylvania		
ABG	Abington	
ALLY	Alegheny College	
ATPA	Allentown	
AS-PA	Altoona	
O57A	Amberson	
L57A	Andrews Acres Farm, Gillet	
O54A	Avella	
BVR	Beaver	
BD-PA	Bedford	
BD-	Bedford	BD-PA
BV-	Belleville	BV-PA
BV-PA	Belleville	
BR-PA	Berlin	
BR-	Berlin (Penn)	BR-PA
BB-PA	Bloomsburg	
BB-	Bloomsburg	BB-PA
O56A	Blue Knob State Park, Imler	
PABK	Blue Knob State Park, Imler	
N60A	Cedar Hill Farm, Mount Bethel	
DCP	Dickinson College	
ER300	Early Rise 300	
ER301	Early Rise 301	
ER302	Early Rise 302	
ER303	Early Rise 303	
M56A	Emporium	
ERP	Erie	
ERPA	Erie	
FMPA	Franklin College	
GT-PA	Galeton	
GT-	Galeton	GT-PA
L53A	Girard	
HKP	Hidden Lake	
HD-	Howard	HD-PA
HD-PA	Howard	
KSPA	Keystone College	
KTZ	Kutztown	
LUPA	Lehigh University	
O58A	Lewisberry	
LT-PA	Lewistown	
LT-	Lewistown	LT-PA
O55A	Ligonier	
N55A	Marion Center	
MR-PA	Middleburg	
MR-	Middleburg	MR-PA
MVL	Millersville	
N57A	Milroy	
MS-PA	Montrose	
MS-	Montrose	MS-PA
N54A	Moraine State Park, Portersville	
PAMR	Moraine State Park, Slippery Rock	
NKP	New Kensington	
M54A	Oil Creek State Park, Oil City	
PAOC	Oil Creek State Park, Oil Creek	
WRPS	Penn State University	
PSDB	Penn State University - DuBois	
PSWB	Penn State Wilkes-Barre	
PSUB	Penn St. - Brandywine Campus	
PAGS	Pennsylvania Geol. Surv.	
PHI	Philadelphia	
PIT	Pittsburgh	
PJ-PA	Pottstown	
M58A	Price's Panorama, Muncy Valley	
M55A	Ridgway	
O59A	Robesonia	
SH-	Shamokin	SH-PA
SH-PA	Shamokin	
SSPA	Standing Stone	
SCP	State College	
SCP1	State College	
N59A	State Game Land 141, Hazleton	
N58A	Sunbury	
SSL	Sunset Lake	
M57A	Sunshine Farm, Cogan Station	
O60A	Telford	
TUPA	Temple University, Ambler	
TU-	Tunkhannock	TU-PA
TU-PA	Tunkhannock	
UPAO	U. Pittsburgh - Allegheny Obs.	
M59A	Waymart	
WAY	Waynesburg	
WUPA	West Chester University of Pennsylvania, USA	
N56A	West Decatur	
M53A	WI Miller and Sons, Farmdale	
CMPA		
Rhode Island		
LAF	Lafayette	
L63A	North Scituate	
M64A	Tiverton	
South Carolina		
ADSC	Addlestone Acy	
BCS	Baptist College of Charleston	
X54A	Belton	
BIRD	Birdtown, Kershaw	
BOW	Bowman	
Z57A	Bowman	
CHF	Calhoun Falls	
CCS	Cawcaw Swamp	
CSU	Charleston Southern University	
W54A	Cherokee Point, Campobello	
SCCK	Coley Creek	
CSC	Columbia	SVC
COW	Cow Castle Creek	
CFS	Cross Fire Station	
DRC	Dorchester	
157A	Early Branch	
FMF	Francis Marion National Forest	
Z59A	Georgetown, SC	
X55A	Gracelyn & Ava, Whitmire	
GVS	Graniteville	
HBF	Harts Bluff	
HAW	Hawthorne Fire Tower	
HODGE	Hodges	
158A	Hollywood	
HWD	Hollywood	
JSC	Jenkinsville	
JVW	Jocassee View	
X57A	Johnson Farm, Hartsville	
KMSC	Kings Mountain, Blacksburg	
CASEE	Lake Jocassee	
BG3	Lake Jocassee	
LHS	Liberty Hill	
Y59A	Loris	
MGS	Middleton Gardens	
MKC	Moncks Corner	
MTT	Monetta	
MR01	Monticello Reservoir Site 1	
MR10	Monticello Reservoir Site 10	
MR02	Monticello Reservoir Site 2	
MR03	Monticello Reservoir Site 3	
MR04	Monticello Reservoir Site 4	
MR05	Monticello Reservoir Site 5	
MR06	Monticello Reservoir Site 6	
MR07	Monticello Reservoir Site 7	
MR08	Monticello Reservoir Site 8	
MR09	Monticello Reservoir Site 9	
MMCS	Mount Moriah Church	
ZIN	Mount Zion Church	
NHSC	New Hope	
NHS	North Hampton	
VEW	Oceanview	
OSB	Orangeburg	
OSC	Orangeburg	
PRM	Parsons Mountain	
Y56A	Pelion	
PPS	Pierpont	
PBS	Pigeon Bay	
PBF	Porcher Bluff	
RGRS	Roger Stewart	
ROW	Rowesville	
SGS	Saint George	
Y55A	Saluda	
SRPN	Savannah River	
SRPD	Savannah River	
SRPW	Savannah River	
Y58A	Scranton	
SBK	Seabrook	
SMMS	Six Mile Mountain	
SVS	Slandsville	
SMSC	Smeltzer Mountain	
Z58A	St. Stephen	
SMA	Summerton	
Y57A	Sumter	
C1SC	The Citadel Site 1	
C2SC	The Citadel Site 2	
TWB	Tillmans-Whites Bay	
TRSC	Trident Resrch Ctr	
TRK	Turkey Creek	
VRN	Varnville	
VSC	Varnville	
WSS	West Ashley	
WMS	West Middle School	
X56A	White Oak	
Z56A	Williston	
South Dakota		
AY-	Academy	AY-SD
AY-SD	Academy	
J28A	Allard Ranch, Norris	
RSSD	Black Hills	
F25A	Bowman	
H32A	Carlson Farm, Erwin	
I33A	Coleman	
CO-	Colome	CO-SD
CO-SD	Colome	
G31A	Conde	
J30A	Dallas	
J33A	Davis	
DL-SD	Dell Rapids	
DL-	Dell Rapids	DL-SD
G27A	Dupree	

Code	Station Name	Other
EBS	Eagle Butte	
J27A	Elkhorn Farm, Martin	
ECSD	EROS Data Center, Sioux Falls	
F29A	Eureka	
H26A	Fairpoint	
G30A	Faulkton	
H25A	Fruitdale	
J31A	Geddes	
F31A	Hecla	
G29A	Hoven	
H27A	Howes	
I32A	Karley and Nick, Howard	
LEA	Lead	
F27A	Lemmon	
F30A	Leola	
F26A	Lodgepole	
G26A	Maurine	
F28A	McLaughlin	
I28A	Midland	
BRSD	Miller	
SUSD	Miller	
H28A	Mission Ridge	
MC-	Mitchell	MC-SD
MC-SD	Mitchell	
G25A	Newell	
I26A	New Underwood	
I30A	Oacoma	
J29A	Okreek	
H29A	Onida	
G28A	Parade	
J32A	Parkston	
H33A	Prehn Over North, Clear Lake	
I27A	Quinn	
RCD	Rapid City	
RG-SD	Redig	
RG-	Redig	RG-SD
I25A	Rochford	
I31A	Royce, Wessington Springs	
SX-	Salem	SX-SD
SX-SD	Salem	
J26A	Sides Ranch, Smithwick	
SY-	Stickney	SY-SD
SY-SD	Stickney	
J25A	Sunshine Ranch, Edgemont	
F32A	Veblen	
I29A	Vivian Onida	
G32A	Webster	
WN-	Winner	WN-SD
WN-SD	Winner	
H31A	Wolsey	
Tennessee		
ANTN	Anderson	
ACTN	Antioch Church	
ARPT	Arp	
ABTN	Auburntown	
ASTN	Avondale Springs	
BCRT	Bacon Ridge	
W49A	Belvidere	
BSPT	Big Springs	
BFMT	Birchfield Mountain	
BHT	Blowhole	
BBTN	Blue Bank Bayou	
BRTN	Brown Mountain	
BKHT	Bunker Hill	
U44B	Burton Farm, Hornbeak	
CA-	Caryville	CA-TN
CA-TN	Caryville	
U48A	Cassie Pea, Portland	
CLTN	Cedars of Lebanon	
CV-TN	Centerville	
CV-	Centerville	CV-TN
CUET	Cent US Eq Cons	
CBHT	Chr Bro Hi School	
CBT	Christianburg	
CHTN	Church Hills	
U47A	Clarksville	
W51A	Cleveland	
CSPT	Cold Springs	
COTN	Columbia	
CRTN	Comb Ridge	
CPCT	Cooper Cave	
CPRT	Copper Ridge	
CVTN	Covington	
CCRT	Cow Camps Rge	
CS-TN	Crossville	
CS-	Crossville	CS-TN
CGTN	Cumberland Gap	
CPO5	Cumberland Plat.	CPOT
CPO	Cumberland Plateau	
RSCP	Cumberland Plateau	
CPOT	Cumberland Plateau	
CP-SO	Cumberland Plateau Observatory	
DYTN	Dayton	
DCT	Ducktown	
DY1	Dyersburg	
DRTN	Dyersburg	
EBZ	Ebenezer Church	
EDIT	Edith	
ETT	Etowah	
U53A	Fall Branch	
FGTN	Flat Gap	
FLPT	Flippin	
FPST	Four Points	
GLT	Gallatin	
GLAT	Glass	
GRT	Gratio	
GRBT	Greenback	
GBTN	Greenback	
GTTN	Green Top	
HALT	Halls	
HDBT	Hernando Brdge	
W45A	Hickory Valley	
V46A	Holladay	
HOPT	Hopper	
V45A	Humboldt	
HHT	Hurricane Hollow	
JS-	Jackson	JS-TN
JS-TN	Jackson	
U50A	Jamestown	
HPKT	Knoxville	
U51A	La Follette	
LF-TN	La Follette	
LF-	La Follette	LF-TN
DY2	Lassiter	
LTN	Lennox	
LNXT	Lenox	
LE-TN	Lewisburg	
LE-	Lewisburg	LE-TN
LMTN	Little Mountain	
LRKT	Look Rock	
V51A	Loudon	
MX-	Manchester	MX-TN
MX-TN	Manchester	
MVLT	Maryville	
MM-TN	McMinnville	
MM-	McMinnville	MM-TN
V49A	McMinnville	
MPH	Memphis	
MET	Memphis--Engineering Building	
W46A	Michie	
MILT	Milan	
MLNT	Millington	
MFTN	Millsfield	
MIST	Miston	
MOTN	Model	
NKT	Nankipoo	
NAIN	Natchez Trace	
NATN	Natchez Trace	
DY5	Near Lassiter	
U54A	Nelsons Funny Farm, Mountain City	
V47A	Nunnelly	
NAIT	NWS Agricenter	
OKG	Oak Grove	
ORT	Oak Ridge	
OGTN	Old Graveyard	
ONTN	Oneida	
OHTN	Owl Hoot	
PB-	Parsons	
PB-TN	Parsons	
PDTN	Piedmont	
V50A	Pikevile	
W48A	Pulaski	
RALT	Raleigh	
U49A	Red Boiling Springs	
RHT	Red Hill	
RDST	Rhodes College	
RCT	Riceville	
U45A	Rockin P Farm, Martin	
DY4	Samburg	
SHTN	Sandy Hook	
V52A	Sevierville	
SWET	Sewanee	
SWTN	Sewanee	
W44A	Shelby Farms Park, Memphis	
SFTN	Shelby Forest	
SMTN	Short Mountain	
W50A	Signal Mountain	
V48A	Smith Brothers Farm, Spring Hill	
U46A	Springville	
SLTN	Sullivan	
GILT	SW Tenn Gill Cnt	
TZTN	Tazewell	
TLT	Tellico Plains	
TCT	Tennessee City	
U52A	Thorn Hill	
DY3	Tiptonville	
TIPT	Tiptonville	
TSTN	Townsend	
TQTN	Tranquillity	
TKL	Tuckaleechee Caverns	
UGRT	Union Grove	
UTMA	University of Tennessee at Martin	
UTM	University of Tennessee at Martin	
UTMT	University of Tennessee at Martin	
VHTN	Van Hill	
WT-TN	Wartburg	
WT-	Wartburg	WT-TN
WVT	Waverly	
W47A	Westpoint	
WMTN	White Oak Mountain	
HDAR	W Memph W Sta	
WYBT	Wynnburg	
ZZT	Zu Zu	
Texas		
ABTX	Abilene, Hawley	
ALPN	Alpine	
FW14	Alvarado	
W29A	Amarillo	
AZ-TX	Amarillo	
AZ-	Amarillo	AZ-TX
AMTX	Amarillo	
433A	Art	
APMT	Aspermont	
AUS	Austin	
ATX	Austin	
FW06	Azle	
430A	Baggett Ranch, Ozona	
BM-	Balmorhea	BM-TX
BM-TX	Balmorhea	
327A	Balmorhea Ranch, Pecos	
536A	Bastrop	
BUTX	Baylor University	
325A	Bean Ranch, Sierra Blanca	
835A	Beeville	
934A	Benavides	
626A	Big Bend Ranch, Presidio	
628A	Black Gap, Marathon	
534A	Blanco	
Z36A	Blue Ridge	
MT1	Boracho Peak	
BRDY	Brady	
MT4	Brite Ranch	
340A	Bronson	
231A	Bronte	
229A	Bryant Ranch, Stanton	
139A	Bunkhouse Ranch, Marshall	
434A	Burnet	
326A	Caldwell Ranch, Toyah	
CGTX	Campo Grande	
CRHG	Carthage	
128A	Castleberry Farm, Seminole	
439A	Center Grove, Livingston	
337A	Centerville	
V28A	Channing	
833A	Chaparral WMA, Artesia Wells	
CEC	Childress 1	
CNE	Childress 2	
CNO	Childress 3	
CNW	Childress 4	
CSE	Childress 5	
CSW	Childress 6	
CWT	Childress 7	
634A	China Grove, San Antonio	
736A	Circle Diamond K Ranch, Victoria	
FW02	City of Haslet	
234A	Clairette	
FW13	Cleburne	
X30A	Coker Ranch, Turkey	
232A	Coleman	
Z34A	Collier Ranch, Chico	
CMTX	Cooper Mountain	
224A	Cornudas Mountain, Dell City	
MNTX	Cornudas Mountains	
ETX07	County Road 4760 near Route FM1970, Timpson	
ETX01	County Road 4772, Timpson	
528A	Cox Ranch, Sanderson	
W30A	Crocket Farms Inc., Mclean	
338A	Crockett	
539A	Cross D Ranch, Liberty	
535A	Dale	
DAL	Dallas	
DLS	Dallas	
FW01	Dallas Executive Airport	
V27A	Dan Oppiter Farms, Dalhart	
DRZT	Darrouzett	
429A	Davenport Ranch, Sheffield	
DRIO	Del Rio	
DNT	Denton	
DKNS	Dickens	
X28A	Dimmitt	
733A	Divot King Ranch, Dilley	
EF-	Eagle Flat	EF-TX
EF-TX	Eagle Flat	
EF01	Eagle Ford 01	
EF04	Eagle Ford 04	
637A	Eagle Lake	
MT2	Eagle Mountain	
EO2TX	Elmo	
EP-TX	El Paso	
EP-	El Paso	EP-TX
EPT	El Paso	
035A	Encino	
136A	Ennis	
832A	Faith Ranch, Carrizo Springs	
FW09	Farmers Branch	
738A	Farr-Stevens Ranch, Sargent	
FMTX	Flower Mountain	
ETX03	FM Road 95, Garrison	
SFTX	Fort Shafter	
FO-TX	Fort Stockton	
FO-	Fort Stockton	FO-TX
FRTX	Fuller Ranch	
GL-	Garland	GL-TX
GL-TX	Garland	
239A	Gary	
GA-TX	Grand Saline	
GA2TX	Grand Saline	
GA3TX	Grand Saline	
GV-	Grapevine	GV-TX
GV-TX	Grapevine	
537A	Green Hill Farm, Brenham	
GRI*	Grit	GR1TX
GR2TX	Grit	
GR1TX	Grit	
GR2	Grit	GR2TX
133A	Hamilton Ranch, Breckenridge	
035Z	Hargill	
538A	Harpers Horsepen, Conroe	
Z32A	Haskell	
427A	Hayter Ranch, Fort Stockton	
HBVL	Hebbronville	
034A	Hebbronville	
HE-	Hempstead	HE-TX
HE-TX	Hempstead	
137A	Heron Place, Grans Saline	
Y33A	Hilltop Ranch, Iowa Park	
HKT	Hockley	
HNDO	Hondo	
HOU	Houston	
HET	Houston--Electro-Tech	
Z29A	Hungry Hill Ranch, Wilson	
339A	Huntington	
HNVL	Huntsville, TX	
425A	Indio Mountain, Van Horn	
Z39A	Irene McRaven, Queen City	
238A	Jacksonville	
435A	Jarrell	
435B	Jarrell	
530A	J-C Ranch, Comstock	
JRTX	Jordan Ranch	
JCT	Junction City	
JU-TX	Juno	
JU-	Juno	JU-TX
236A	Katherine and Luke Keathley, Corsicana	
735A	Kenedy	
KKT	Kermit	
KIT	Kermit	
KM9	Kermit	
KTT	Kermit	KIT
KM6	Kermit	
KTX	Kermit	
KM3	Kermit	
KM2	Kermit	
KME	Kermit	
KTE	Kermit	
KM5	Kermit	
KIE	Kermit	
533A	Kerrville	
KIDD	KIDD Seismic Observatory, U. Texas El Paso	
428A	Kincaid Ranch, Fort Stockton	
KVTX	Kingsville	
440A	Kirbyville	
LTX	Lajitas	
TXAR	Lajitas Array Beam Reference Point	
TX10	Lajitas Array Site 10	
TX11	Lajitas Array Site 11	
TX02	Lajitas Array Site 2	
TX03	Lajitas Array Site 3	
TX32	Lajitas Array Site 32	
TX04	Lajitas Array Site 4	
TX05	Lajitas Array Site 5	
TX06	Lajitas Array Site 6	
TX07	Lajitas Array Site 7	
TX08	Lajitas Array Site 8	
TX09	Lajitas Array Site 9	
TX00	Lajitas Ar. Site	
TX31	Lajitas Ar. Site	
LTB3	Lajitas B3	TX04
WHTX	Lake Whitney, Meridian	
734A	La Parita Creek, Jourdanton	
LP-	La Pryor	LP-TX
LP-TX	La Pryor	
933A	Laredo	
732A	Laxson Ranch, Crystal City	
635A	Leesville	
334A	Lometa	
LUB	Lubbock	
U28A	Mallet	
MTX	Marathon	
526A	Mary Lane Ranch, Marfa	
138A	Matatall Enterprise, Big Sandy	
MOT3	McDonald Obs.	
MOT1	McDonald Obs.	
MOT4	McDonald Obs.	
MOT2	McDonald Obs.	MT2
MOT	McDonald Observatory	
426A	McDonald Observatory, Fort Davis	
Y28A	McKinney Farm, Littlefield	
432A	Menard	
330A	Mertzon	
MSUEL	Midwestern State University	
MT3	Miller Ranch	
332A	Millersview	
MNHN	Monahans	
335A	Moody	
324A	Moseley Ranch, Sierra Blanca	
Z38A	Mt. Pleasant	
MLDN	Muldoon	
MSTX	Muleshoe	
NATX	Nacogdoches	
NSLM	New Salem	
936A	North Padre Island, Corpus Christi	
U29A	Oasis Ranch, Spearman	
ODSA	Odessa	
OZNA	Ozona	
PLPT	Palo Pinto	
PECS	Pecos	
Z35A	Perchaven, Sanger	
631A	Perdido Creek Ranch, Del Rio	
FW03	Perrin-Whitt Elementary School	
437A	Phantom Ranch, North Zulch	
RFTA	Plano	
Z37A	Pogue Cattle Company, Sulphur Springs	
Y29A	Porterfield Farm, Petersburg	
737A	Port Lavaca	
PO-TX	Post	
POST	Post	
PO-	Post	PO-TX
ETX02	Prairie Street, Timpson	
PRST	Prospect	
Y31A	Rekieta Farm, Paducah	
333A	Richland Springs	
336A	Riesel	
233A	Rising Star	
RTBA	Rita Blanca	
131A	Roby	
531A	Rocksprings	
532A	Rocksprings	
638A	Rosharon	
ETX06	Route 59 and County Road 4763, Timpson	
ETX04	Route FM415 near Route 87	
Y32A	R-V Farms, Vernon	
633A	Saathoff Ranch, Hondo	
438A	Sam Houston State University, Huntsville	
SMWD	Samnorwood	
SA2	San Angelo	SA2TX
SA4TX	San Angelo	
SA2TX	San Angelo	
331A	San Angelo	
SA4	San Angelo	SA4TX
SAT1	San Antonio Texas	
SNAG	San Augustine	
SS-TX	Sanderson	
SS-	Sanderson	SS-TX
SAND	Sanderson	
Z30A	Sanderson Ranch, Post	
SJ-TX	San Jose	
SJ-	San Jose (USA)	SJ-TX
SM-TX	Seymour	
SM-	Seymour	SM-TX
SK-TX	Shamrock	
SK-	Shamrock	SK-TX
Z31A	Sharp Cattle Ranch, Aspermont	
SB1	Sierra Blanca Array Site 1	
SB2	Sierra Blanca Array Site 2	
SB3	Sierra Blanca Array Site 3	
636A	Smothers Creek Ranch, Hallettsville	
130A	Snyder	
SN07	Snyder 07	
SN01	Snyder 1	

Code	*Station Name*	*Other*
SN02	Snyder 2	
SN03	Snyder 3	
SN04	Snyder 4	
SN05	Snyder 5	
SN06	Snyder 6	
431A	Sonora	
V30A	Spur Ranch, Miami	
Y30A	Stafford Cattle Company, Roaring Springs	
230A	Sterling City	
SGCY	Sterling City	
529A	Stev Forest Ranch, Sanderson	
129A	Stewart Farms, Lamesa	
V29A	Stinnett	
ST2	Streeter	ST2TX
ST4TX	Streeter	
ST4	Streeter	ST4TX
ST2TX	Streeter	
ST1TX	Streeter	
ST1	Streeter	ST1TX
627A	Terlingua Ranch, Terlingua	
TREL	Terrell	
FW15	Texas Christian University	
U27A	Thompson Grove	
834A	Tilden	
TTX	Tres Cuevas	
Z28A	Tucker Farm, Meadow	
X29A	Tulia	
FW04	University of Dallas	
FW11	UT at Arlington	
FW05	UT at Dallas	
228A	UT Block 9, Goldsmith	
632A	Uvalde	
VHRN	Van Horn	
W28A	Vega	
FW12	Venus	
135A	Vickery Place, Crowley	
540A	Vidor	
329A	Wagon Wheel Ranch, Midkiff	
436A	Wall Ranch, Gause	
237A	Washetta, Montalba	
FW16	Waxahatchie	
FW07	Weatherford	
Z33A	Whitaker Ranch, Olney	
134A	White-Moore Ranch, Lipan	
WP-TX	Wills Point	
WTFS	Witchita Falls	
527A	Woodward Ranch, Alpine	
328A	Wristen Ranch, Grandfalls	
ZAV	Zavalia	
CCUT	Cedar City	
EVIN	Evansville	
HAIL	Harrisburg (Southeastern Illinois College)	
IPFO	International Monitoring System (IMS) Pinon Flats Observatory Seismic Station	
LTL	Livingston	
OLIL	Olney	
Utah		
AAU	Alta	
AMF	American Fork	
ANU	Antelope Island	
ARUT	Antelope Range	
ARGU	Argyle Ridge	
BAP	Bailey Peak	
BTU	Barney Top	
P13A	Bates Ranch, Gandy	
BCU	Bear Canyon	
BHUT	Beaver	
BVK	Beaver Lake	
BKU	Beaver Lake Mountains	
BDU	Big Dutch Hollow	
BGU	Big Grassy Mountain	
BIU	Bingham Canyon	
BMUT	Black Mountain	
S17A	Black Ridge (BLM), Bullfrog Basin	
BX-	Blanding	BX-UT
BX-UT	Blanding	
BSUT	Blindstream Canyon, Hanna	
BHU	Blowhard Mountain	
BCE	Book Cliffs East	
BPU	Bountiful Peak	
BCUT	Brigham City	
BYU	Brigham Young University	
BRUT	Bromley	
BBUT	Bumble Bee	
P17A	Butcher Ranch, Price	
CTU	Camp Tracy	
CWU	Camp Williams	
R18A	Canyonlands National Park, Moab	
Q16A	Castle Valley Ranch, Emery	
CVH	Cedar City	
S14A	Cedar City	
CCU	Cedar City	
IAE	Cedar City, Iron County	
CCPU	Cedar City Park	
CVE	Cedar Cove	
CMU	Cedar Mountain	
CPU	Coon Peak	
CFU	Cove Fort	
R19A	Curley Farm, La Sal	
DAU	Daniels Canyon	
DCU	Deer Creek Reservoir	
DBD	Des Bee Dove	
P14A	Drum Mountains (BLM), Topaz	
DWU	Dry Willow Peak	
DCM	Dugout Coal Mine	
DUG	Dugway, Tooele County	
EPU	East Promontory	
ETU	East Traverse Mountains	
ELU	Electric Lake	
EOCU	Emergency Operations Center, State Capitol Campus, Salt Lake City, UT, USA	
EMUT	Emma Park	
FM-	Fillmore	FM-UT
FM-UT	Fillmore	
Q15A	Fillmore	
FSU	Fish Springs	
FGU	Flaming Gorge	
FLA	Flat	
FLU	Fool Peak	
FDU	Ford Ridge	
P16A	Fountain Green	
FPU	Francis Peak	
GRD	Gardner Farm	
MGCU	Grand County Courthouse, Moab, UT	
GMU	Granite Mountain	
N14A	Grayback Hills BLM, Clive	
GZU	Grizzly Peak	
GSUT	Gun Site Peak	
HLJ	Hailstone	
R17A	Hanksville Airport, Hanksville	
HVU	Hansel Valley	
HWUT	Hardware Ranch	
HRUT	Hardware Ranch	HWUT
S19A	Harvey Farm, Monticello	
HEB	Heber	
HMU	Henry Mountain	
O13A	Hicks Ranch, Ibapah	
HAFB	Hill Air Force Base, Hill AFB, UT, USA	
Q19A	Hogan Spring (BLM), Cisco	
HRU	Hogsback Ridge	
HFSU	Holladay Fire Station, Holladay, Utah	
S13A	Holt Ranch, Enterprise	
HONU	Honeyville	
HCU	Horse Canyon	
HTU	Hoyt Peak	
M16A	Huntsville	
HHS	Hurricane	
T14A	Hurricane	
S18A	Hurst Farm, Blanding	
HDU	Hyde Park	
ICU	Indian Springs Canyon	
IMU	Iron Mountain	
R14A	James Farms, Milford	
N19A	John Jarvie Ranch (BLM), Flaming Gorge	
JLU	Jordanelle	
R15A	Junction	
KNB	Kanab	
KN-UT	Kanab	
KEUT	Kanab	
KN-	Kanab	KN-UT
KLJ	Keetly	
KDUT	Kidman Hollow	
LDJ	Lady	
LMUT	Lake Mountain	
LMU	Lake Mountain	
LSU	Lake Shores	
N18A	Larsen Ranch, Manila	
M15A	Larsen Ranch, Promontory	
P15A	Leamington	
LEE	Leeds	
LDS	Leeds	
LEVU	Levan	
LVU	Levan Peak	
LCMT	Little Creek Mountain	
LHUT	Little Humpy Peak	
LTU	Little Mountain	
LOG	Logan	
LBUT	Lower Browns Hole	
LWA	Lower Mag Wash	
LSUT	Lucky Star	
MWA	Mag Wash	
MPU	Maple Canyon	
MVU	Marysvale	
MSU	Marysvale	
MGU	Meadow Creek Golf Course	
T18A	Mexican Hat	
MHD	Mile High Drive	
MNU	Milford North	
O19A	Miners Draw (BLM), Jensen	
MMU	Miners Mountain	
MBUT	Moab	
N17A	Moffit Pass	
MCU	Monte Cristo Peak	
MTUT	Morton Thiokol	
MOUT	Mount Ogden	
MTPU	Mount Pierson	
NAIU	Northern Antelope Island	
NLU	North Lily Mine	
NMUT	North Mineral Mountain	
NOQ	North Oquirrh Mountains	
NSU	North Stansbury	
OGU	Ogden Bay	
R13A	O'Grain Ranch, Modena	
OWUT	Old Woman Plateau	
OPL	Opal Mound	
PST	Pasture Canyon	
PBU	Perry Basin	
PSUT	Pine Spring	
PKCU	Pink Cliffs	
PUU	Piute Reservoir	
PCY	Pole Canyon	
PTU	Portage	
P18A	Preston Nutter Ranch, Sunnyside	
PCU	Price	
PPU	Promontory Point	
Q18A	Rafter H Ranch, Green River	
RMU	Rainbow Monument	
RBU	Red Butte Canyon	
T15A	Red Dirt Ranch, Kanab	
RDMU	Red Mountain	
RSUT	Red Spur Mountain	
N16A	Rees Ranch, Coalville	
PEUT	Richfield	
RVUT	Riverside	
ROA	Roan Cliffs	
O17A	Robinson Place, Fruitland	
O18A	Roosevelt	
RHU	Roosevelt Hot Springs	
RPF	Rose Park Fire Station, Salt Lake City, UT	
RCJ	Ross Creek	
T13A	Saint George	
WDO	Saint George	
SGIAR	Saint George Infrasonic Array Beam Reference Point	
SGI01	Saint George Infrasonic Array Site 1	SGIAR
SGI02	Saint George Infrasonic Array Site 2	
SAU	Saltair	
SLC	Salt Lake City	
SRU	San Rafael Swell	
SCUT	Santa Clara	
SNQU	Santaquin	
SUU	Santaquin Canyon	
Q14A	Sevier Lake (BLM), Delta	
SCU	Sheep Canyon	
M14A	Sheep Mountain BLM, Rosette	
SZCU	Shurtz Canyon	
SNO	Snow College	
SAIU	Southern Antelope Island	
AIUT	Southern Antelope Island	
SPUT	South Promontory Point	
O16A	Springville	
SQU	Squaw Peak	
SBU	Stansbury Island	
N15A	Stansbury Island BLM, Grantsville	
SNUT	Stansbury North	
SNU	Stansbury North	
SGU	Sterling	
SGSU	St. George Fire Station	
SUN	Sunnyside	
SMU	Sunnyside Mine	
R16A	Teasdale	
O15A	The Old Anderson's Place, Rush Valley	
TCRU	Three Creeks Reservoir	
TCVU	Timpanogos Cave	
TCUT	Toone Canyon	
TMUT	Trail Mountain	
UBO	Uinta Basin Array	
CAPU	Utah State Capitol	
VN-UT	Vernal	
VN-	Vernal	VN-UT
VNL	Vernal	
VLU	Vernal	
WW-UT	Wah Wah Mountains	
WW-	Wah Wah Mts	WW-UT
WCO	Washington City	
REUT	Washington Fields	
WBC	Weber Canyon	
WVUT	Wellsville	
S16A	Weppner Ranch, Escalante	
WTU	Western Traverse Mountains	
WMU	West Mountain	
WMUT	West Mountain	
Q13A	Wheeler Ranch, Garrison	
WHU	Wild Horse	
WLD	Wild Horse Canyon	
WLJ	Wildlife	
WCU	Willow Creek	
ZNPU	Zion National Park	
Vermont		
BLVT	Baltimore	
BUR	Burlington	
J61A	Chester	
COV	Colchester	
DVT	Derby	
FLET	Fletcher	
FLE	Fletcher	FLET
HBVT	Hinesburg	
IVT	Ira	
H61A	Lyndonville	
MARL	Marlboro	
MDV	Middlebury	
MCVT	Middlebury College	
MGVT	Montgomery	
MPVT	Montpelier	
H60A	Morristown	
NRT	Northfield	
I61A	Oroboro, Fairlee	
I60A	Shoreham	
VT1	Waterbury	
Virginia		
S61A	Accomac	
BV1	Bath County 1	
BV2	Bath County 2	
BV3	Bath County 3	
BV4	Bath County 4	
BI-	Big Stone Gap	BI-VA
BI-VA	Big Stone Gap	
BAV	Blacksburg	
BLA	Blacksburg	
R56A	Bull Pasture Mountain, McDowell	
CVRD	Centerville Road, Mineral	
CLT	Charlottesville	
CVV	Charlottesville	CVL
CVL	Charlottesville	
CTV	Charlottesville	
CVVA	Charlottesville	
CI-	Clintwood	CI-VA
CI-VA	Clintwood	
CNV	Corbin	CBN
CBN	Corbin Fredericksburg Observatory	
IP01	Cuckoo	
CCVA	Cudjo Caverns	
CG-	Cumberland Gap	CG-VA
CG-VA	Cumberland Gap	
S57A	Dark Hollow, Roseland	
T59A	Double "B" Farms	
ER308	Early Rise 308	
ER309	Early Rise 309	
ER310	Early Rise 310	
ER311	Early Rise 311	
ER312	Early Rise 312	
ER313	Early Rise 313	
ER314	Early Rise 314	
ER315	Early Rise 315	
ER316	Early Rise 316	
ER317	Early Rise 317	
ER318	Early Rise 318	
FRV	Farmville	
Q58A	Fox Den Farm, The Plains	
FTV	Front Royal	
GSR	Geological Survey, Reston	
GHV	Goochland	
T58A	Grand View Acres	
IP04	Greensprings	
GD-	Grundy	GD-VA
GD-VA	Grundy	
HBV	Harrisonburg	
IP05	Hopewell Church	
T57A	Hurt	
JSRW	J. Sargeant Reynolds Community College	
KMV	Keen Mountain	
R59A	King George, VA	
LEX	Lexington	
LRVA	Lonesome Ridge	
IP03	Louisa	
S59A	Mechanicsville	
R58B	Mineral	
NAV	Narrows	
S56A	Natural Bridge	
NA2	North Anna	
NA12	North Anna	
NA5	North Anna	
NA11	North Anna	
NV1	North Anna 1	
NV2	North Anna 2	
NV3	North Anna 3	
NV4	North Anna 4	
NV5	North Anna 5	
NV6	North Anna 6	
NV7	North Anna 7	
PTRD	Partlow Road	
PBV	Petersburg	
PLVA	Point Lookout	
S58A	Poland Farm, Powhatan	
VWV	Potts Mountain	
ELN	Prospectdale	
PUV	Pulaski	
T55A	Pulaski	
IP07	Quail	
RCRC	Randolf College Riding Center, Lynchburg	
R58A	Rapidan	
T56A	Rocky Mt	
SU-	Schuyler	SU-VA
SU-VA	Schuyler	
SPFD	Spotsylvania Fire Department	
SPRD	Spring Road, Mineral	
R57A	Stanardsville	
Q57A	Strasburg	
T60A	Surry	
T54A	Tazewell	
URVA	University of Richmond	
VBV	Virginia Beach	
VWCC	Virginia Western Community College	
WMV	Walker Mountain	
S60A	Water View	
T53A	Wise	
IP06	Yanceyville	
Washington		
ALCT	Alcott Elementary School	
ALKI	Alki Wastewater Plant ANSS-SMO	
APW	Alpha Peak	
ALD	Alter Ridge	
F04A	Amboy	
ATES	Arlington Trafton Elementary School	
ACES	Army Corps of Engineers Seattle ANSS	
APM	Augspurger Mountain	
BDG	Badger Mountain	
BABE	Bainbridge School	
BLH	Bald Hill	
BFW	Baw Faw Mountain	
BLL	Bellingham	
RBEN	Benson Hill Elementary School	
BENWA	Benson Ranch	
BVW	Beverly	
BLTW	Bickleton	
BRVW	Black Rock Valley	
BW-	Blewett	BW-WA
BW-WA	Blewett	
BLN	Blyn Mountain	
BEVT	Boeing Everett	
BSFP	Boeing Fire Protection	
BMW	Boistfort Mountain	
C04A	Brinnon	
BRKS	Brookside Elementary School	
B05A	Bryant	
MURR	Camp Murray	
CPW	Capitol Peak	
CC-WA	Cascade Tunnel	
CDFW	Cedar Flats	
CDMR	Cedar Moraine	
CBW	Chelan Butte	
CBSW	Chelan Butte South	
B10A	Chitwood Farm, Usk	
C09A	Chrisman Ranch, Davenport	
E04D	Cinebar	
D06A	Cle Elum	
KDKW	Coast Env Seattle	
B201	Coldwater, Mount Saint Helens	
CLW	Colville	
B08A	Colville Reservation, Omak	
CE-WA	Concrete	
CE-	Concrete	CE-WA
CNL	Connel	
CRF	Corfu	
CWZ	Cowlitz River	
CZM	Crazy Man Mountain	
CSEN	Crystal Springs Elementary School	
CMW	Cultus Mountains	
A09A	Danville	
DPW	Davenport	
DVW	Davenport	
E08A	Dider Farm, Eltopia	
D04A	Dobbs Creek Ranch, Lacey	
DHW	Dyer Hill	
DHW2	Dyer Hill 2	
ESD	East Dome	

Code	*Station Name*	*Other*
EARN	East Ridge Elementary School	
ELW	Echo Lake	
D03D	Eldon	
ERK	Elk Rock	
EL-WA	Ellensburg	
EL-	Ellensburg	EL-WA
EBG	Ellensburg	
ETP	Eltopia	
ET3	Eltopia	
ET2	Eltopia	
ETW	Entiat	
D05A	Enumclaw	
EPW	Ephrata	
EPH	Ephrata	
EUW	Eureka	
EVCC	Everett College ANSS-SMO	
EVGW	Everett Gateway Middle School ANSS-SMO	
EGRN	Evergreen College	
FTW	Fairmont	
FPW	Fields Point	
FINN	Finn Hill Junior High School	
FL2	Flat Top 2	
FHE	Frenchman Hills East	
GBB	Gable Butte	
GBL	Gable Mountain	
GHW	Garrison Hill	
GTWN	Georgetown Playfield ANSS-SMO	
GLK	Glacier Lake	
GC-	Glacier Peak	GC-WA
GC-WA	Glacier Peak	
GPW	Glacier Peak	
F06A	Goldendale	
GMW	Gold Mountain	
GCW	Grand Coulee	
GSM	Grass Mountain	
MGOO	Greenacres	
GNW	Green Mountain	
GRCC	Green River Community College BBO	
GULW	Guler Mountain	
HAWA	Hanford	
HAN	Hanford	
HGB	Hanford Gable Butte	
HART	Harbor Island ANSS-SMO	
HTW	Haystack Lookout	
RHAZ	Hazelwood Elementary School	
C08A	Higginbotham Farm, Almira	
HICC	Highline Community College ANSS-SMO	
HOLY	Holy Rosary School	
HDW	Hoodsport	
HHH	Horse Heaven Hills	
HSW	Hot Spot	
HUBA	Hudson Bay High School ANSS-SMO	
NIHS	Ingelmoor High School	
JCW	Jim Creek	
SSS1	John Stanford Center Downhole Anss-SM	
D09A	Jones Farm, Ritzville	
JRO	Jston Ridge Obs	
JLK	June Lake	
B941	Kapowsin	
KE-	Kennewick	KE-WA
KE-WA	Kennewick	
KNEL	Kent Elementary ANSS-SMO	
KIMB	Kimball Elementary School	
TKCO	King County	
KIMR	Kitsap County Moderate Risk Waste Facility	
KINR	Kitsap County North Road Shed	
KITP	Kitsap County Wastewater Treatment Plant	
KOSW	Kosmos	
LMW	Ladd Mountain	
D04E	Lakebay	
D04D	Lakebay	
LVP	Lakeview Peak	
LW-	Lake Wenatchee	LW-WA
LW-WA	Lake Wenatchee	
LSW	Landslide	
LAWT	Lawton Elementary School	
C06D	Leavenworth	
E03A	Lebam	
A04A	Legoe Bay, Lummi Island	
LEOT	Leota Junior High School	
LTY	Liberty	
LOCW	Locke Island	
LON	Longmire	
LCW	Lucas Creek	
A04D	Lummi Island	
LYW	Lyman	
LY-WA	Lynden	
LYNC	Lynnwood City Hall ANSS-SMO	
MNWA	Manchester	
A05A	Maple Falls	
MPL	Maple valley SMO-IDS24	
B06A	Marblemount	
MARYW	Marymoor Park	
MAY	Mayfield	
MJ2	May Junction 2	
MEW	McNeil Island	
MEAN	Meany Midle School ANSS-SMO	
MEGW	Megler CREST BB SMO	
MDW	Midway	
MBPA	Monroe Substation	
B017	Montesano	
ASR	Mount Adams--Stagman Ridge	
MBW	Mount Baker	
MU-WA	Mount Baker	
MCW	Mount Constitution	
ERW	Mount Erie	
FMW	Mount Fremont	
MTMW	Mount Mitchell	
RCM	Mount Rainier--Camp Muir	
RCS	Mount Rainier--Camp Schurman	
REMR	Mount Rainier--Emerald Ridge	
RSU	Mount Rainier--Summit	
RVC	Mount Rainier--Voight Creek	
SHW	Mount Saint Helens	
VALT	Mount Saint Helens Crater	
MSH21	Mount St. Helen	
MSH31	Mount St. Helen	
MSH11	Mount St. Helen	
MXC	Moxie City	
MU-	Mt Baker	MU-WA
E10A	Myers Farm, Uniontown	
NAC	Naches	
NBW	Neah Bay	
NLWA	Neilton Lookout	
NLW	Nelson Butte	
GL2	New Goldendale	
NEW	Newport	
I56US	NEWPORT INFRASONIC ARRAY REFERENCE POINT	
NOWS	NOAA--Sand Point	
A10A	Northport	
OHW	Oak Harbor	
OBSR	Observation Rock	
OCWA	Octopus Mountain	
OOW	Octopus West	
ODS	Odessa	
OD2	Odessa Site #2	
OCP	Olym-Cheeka Pk	
OFR	Olym-F Res Ctr	
OLW	Olympia	
OPC	Olympic Penn College CREST BB SMO	
OBC	Olympics--Bonidu Creek	
OBH	Olympics--Burnt Hill	
OFK	Olympics--Forks	
OLQ	Olympics--Lake Quinault	
ONR	Olympics--North River	
ON2	Olympics--North River	
OSR	Olympics--Salmon Ridge	
OSD	Olympics--Snow Dome	
OSP	Olympics--Sooes Peak	
OTR	Olympics--Tyee Ridge	
OMW	Omak	
E04A	Onalaska	
OTH	Othello	
OT2	Othello	
OT3	Othello 3	
PABH	Pacific Beach Navy Resort	
PANH	Panhandle Gap, Mount Rainier	
PATW	Paterson	
PAT2	Paterson 2	
F07A	Phinny Hill Vineyards, Prosser	
PIER	Pier 30 Seattle	
PCEP	Pierce County East Precinct	
PCFR	Pierce County Firing Range	
PCMD	Pierce County Mountain Detachment	
PNLK	Pine Lake Middle School	
PH-WA	Pomeroy	
B04A	Port Angeles	
PGW	Port Gamble	
PRW	Prosser	
PSNS	PSNS Bremerton SMO	
PAYL	Puyallup School ANSS-SMO	
B203	Quarry, Mount Saint Helens	
QAW	Queen Anne	
B013	Quilcene	
C03A	Quillayute Airport, Forks	
D07A	Quincy	
RADR	Rader Ridge	
RAFT	RAFT	
RAIO	Rainier	
E05A	Randle	
RWW	Ranney Well	
RSW	Rattlesnake Hills	
RATT	Rattlesnake Lake	
RMW	Rattlesnake Mountain	
RAW	Raver	
B019	Raymond	
REDWA	Red Mountain	
REMW	Rembrandt	
B09A	Rice	
RCW	Richland	
RRHS	Rochester High School	
RPW	Rockport	
RPK	Roosevelt	
RVW	Rose Valley	
ROSS	Ross	
RC1	Royal City	
SDL	Saddle Mountain	
SAW	Saint Andrews	
P403	Sandy Floe Quarry	
STT	Seattle	
SEA	Seattle	
SEND	SEND	
SEPW	September Lobe	
SQM	Sequim	
SPW	Seward Park	
SP2	Seward Park 2	
SCW	Sherman Crater--Mount Baker	
SCCW	Shoreline CC	
SHUK	Shuksan-Mt. Baker Ski Area	
SBES	Silver Beach Elementary School	
SVOH	Skagit Valley Community College ANSS SMO	
SYR	Smyrna	
SNIWA	Snively Ranch	
SOSW	Source of Smith Creek	
SMW	South Mountain	
HSR	South Ridge	
SWFL	Southwest Flank Mount Saint Helens	
SWF2	Southwest Flank, Mt. St. Helens	
SWID	South Whidbey SD ANSS-SMO	
C10A	Spilker Farm, Colbert	
SPN5	Spine 5 MSH Spider	
SPO	Spokane	
SNIO	Spokane Nat. Inst. Occ. Safety SMO	
SFER	Spokane Schools, Ferris High School ANSS-SMO	
SHLY	Spokane Temp K2 (Swanson)	
SR41	SR410 Landslide	
STW	Striped Peak	
STD	Studebaker Ridge	
BOLM	Sugar Bowl	
SLFW	Sugar Loaf	
SMNR	Sumner High School ANSS-SMO	
E07A	Sunnyside	
TBM	Table Mountain	
TBPA	Tacoma Substation	
TAHO	Taholah School, Taholah	
C06A	Tall Timber Ranch, Leavenworth	
TWW	Teanaway	
TTW	Tolt Reservoir	
C05A	Tolt Reservoir	
TK-WA	Tonasket	
TK-	Tonasket	TK-WA
TR-WA	Toppenish Ridge	
TRW	Toppenish Ridge	
TDL	Tradedollar Lake	
TUM	Tumwater	
A08A	Turner Farm, Oroville	
SVTR	Two Rivers School, Snoqualmie Valley	
UPS	University of Puget Sound	
UWFH	University of Washington Friday Harbor	
VTG	Vantage	
VT2	Vantage 2	
VVHS	Vashon High School SMO	
D10A	Wagner Farm, Oakesdale	
WAH	Wahluke	
WAH2	Wahluke Slope	
WWHS	Walla Walla High School ANSS SMO	
WGW	Wallila Gap	
WG3	Wallula Gap	
WG2	Wallula Gap	
WRD	Warden	
H2OWA	Water	
C07A	Waterville	
WTV	Waterville	
WNS	Wenas	
WEN	Wenatchee	WNW
WNW	Wenatchee	
WRW	Wenatchee Ridge	
WBL	White Bluff	
WPW	White Pass	
F05D	White Salmon	
F05A	White Salmon	
WISC	Wilburton Instructional Services Center	
WBW	Wilson Butte	
B202	Windy Ridge, Mt. St. Helens	
B07A	Winthrop	
WISH	Wishkah	
D03A	Wishkah Elem. School, Wishkah	
D08A	Wollman Farm, Schrag	
WIW	Wooded Island	
E09A	Wood Farm, Starbuck	
E06A	Yakima	
YA-	Yakima	YA-WA
YA-WA	Yakima	
YA2	Yakima	
YAKW	Yakima	
YPT	Yellepit	
YEL	Yellow Rock	
West Virginia		
AB-WV	Amboy	
AB-	Amboy	AB-WV
BL-WV	Beckley	
BL-	Beckley	BL-WV
Q55A	Buckhannon	
BZ-	Buckhannon	BZ-WV
BZ-WV	Buckhannon	
P54A	Burton	
Q54A	Coxs Mills	
CX-	Craigsville	CX-WV
CX-WV	Craigsville	
P56A	Dayton Farm, Ripley	
S54A	Dingess, Beckley	
ER306	Early Rise 306	
ER307	Early Rise 307	
FWV	Forest Hill	
FN-	Franklin	FN-WV
FN-WV	Franklin	
GBV	Green Bank	
HWV	Hinton	
P57A	Homestead Farm, Martinsburg	
R53A	Hurricane	
Q53A	Leroy	
S55A	Lewisburg	
R55A	Marlinton	
MCWV	Mont Chateau	
MRG	Morgantown	
PX-	Philippi	PX-WV
PX-WV	Philippi	
PE-WV	Pineville	
PE-	Pineville	PE-WV
PWV	Princeton	
RN-WV	Rainelle	
RN-	Rainelle	RN-WV
P55A	Reedsville	
Q56A	Snyder Ridge, Maysville	
R54A	Victor	
S53A	Williamson	
Wisconsin		
G41A	Antigo	
AO-	Argonne	AO-WS
AO-WS	Argonne	
I41A	Arkdale	
H39A	Augusta	
AR-WS	Aurora	
AR-	Aurora	AR-WS
BA-	Baldwin	BA-WS
BA-WS	Baldwin	
K43A	Burlington	
H40A	Chili	
CF-WS	Colfax	
CF-	Colfax	CF-WS
J42A	Columbus	
COWI	Conover	
CN-	Cornell	CN-WS
CN-WS	Cornell	
I42A	Draeger Farm, Ripon	
F37A	Hinrichs Farm, Grantsburg	
G39A	Holcombe	
JFWS	Jewell Farm	
H41A	Junction City	
I43A	Langenfeld Brothers Farm, Elkhart Lake	
J41A	Loganville	
F39A	Loretta	
WI03	Lunz Road, Clintonville	
MDS	Madison	
H38A	Maiden Rock	
F42A	Maple Grove Farm, Niagara	
WI01	McKinley Avenue, Clintonville	
MF-	Medford	MF-WS
MF-WS	Medford	
E39A	Mellen	
MLW	Milwaukee	
G42A	Mountain	
J43A	Natural Harvest Farm, Hartford	
NG-WS	Niagara	
NG-	Niagara	NG-WS
I40A	Norwalk	
F40A	Park Falls	
F38A	Pierce - Schroeder Farm, Trego	
K42A	Prairie Point, Evansville	
WI02	Reinke Road, Clintonville	
G40A	Rib Lake	
RL-	Rib Lake	RL-WS
RL-WS	Rib Lake	
RLW	Rice Lake	
G38A	Ridgeland	
WI04	River Road, Clintonville	
H42A	Shiocton	
K41A	Shullsburg	
J40A	Soldiers Grove	
E38A	The Farm, Brule	
F41A	Three Lakes	
TM-WS	Tomahawk	
TM-	Tomahawk	TM-WS
UWM	University of Wisconsin at Milwaukee	
H43A	Windswept, Luxemburg	
Wyoming		
I22A	9 Mile Ranch, Kaycee	
K19A	Absolon Red Butte, Lander	
K21A	Alcova	
ALPW	Alpine	
K24A	Anderson Ranch, Keeline	
ANGW	Angle Mountain	
AVOW	Apres Vouz Peak	
BEAW	Beaver Mountain	
YPBE	Bechler	
H21A	Big Horn, Sheridan	
I21A	Big Trails, Ten Sleep	
BDW	Boulder	
PD06	Boulder Array	BW06
BW06	Boulder Array Site 6	
K23A	Bowen Ranch, Douglas	
YPBR	Bridge Bay	
J17A	Brown Place, Jackson	
CJW	Canyon Junction	
YPCJ	Canyon Junction	
K22A	Casper	
M22A	Cedar Creek Ranch, Saratoga	
CY-WY	Cheyenne	
CY-	Cheyenne	CY-WY
M24A	Cheyenne	
H23A	Clabaugh Cattle Company, Gillette	
H22A	Clearmont	
L17A	Cokeville	
COLW	Colter Canyon	
J19A	Crowheart	
I18A	Diamond G Ranch, Dubois	
J23A	Dilts Ranch, Bill	
H24A	Dirks Ranch, Alva	
J24A	Dixon Ranch, Lance Creek	
YPEE	East Entrance	
L22A	Ellis Ranch, Medicine Bow	
L19A	Farson	
FLWY	Flagg Ranch	
L18A	Fontenelle, Green River	
FXWY	Fox Creek	
K17A	Gardner Place, Afton	
L23A	Garrett	
TARW	Grand Targhee Resort	
YPGV	Grant Village	
H17A	Grant Village	
H20A	Greybull	
HK-	Hawk Springs	HK-WY
HK-WY	Hawk Springs	
YHR	Hawk`s Rest	
HAYW	Haystack Fork	
YHH	Holmes Hill	
YPHS	Hot Springs Basin	
IMW	Indian Meadow	
JLDW	Jackson Lake Dam	
YJC	Joseph's Coat	
KSWY	Kelly School	
J18A	Kendall Valley, Cora	
I24A	Kuemmerle Ranch, Upton	
LKWY	Lake	
YPLB	Lake Butte	
YPLA	Lake Butte	
YPLK	Lake Junction	
ID10	Lander Cutoff	

Code	Station Name	Other
LAR	Laramie	
M23A	Laramie	
YLT	Little Thumb Creek	
LOHW	Long Hollow	
M18A	Lyman	
J21A	Lysite	
MJW	Madison Junction	
YMR	Madison River	
MHS	Mammoth Hot Springs	
YMV	Mammoth Vault	
YMC	Maple Creek	
YML	Mary Lake	
YPML	Mary Lake	
I23A	Meade Ranch, Gillette	
I19A	Meeteetse	
J22A	Midwest	
YMP	Mirror Lake Plateau	
MOOW	Moose Ponds	
YMS	Mount Sheridan	
MVW	Mud Volcano	
YNB	Natural Bridge	
NJW	Norris Junction	
YNR	Norris Junction	
YFT	Old Faithful	
YPOF	Old Faithful	
PACW	Pacific Creek	
M25A	Palm-Egli Farm, Albin	
YPK	Parker Peak, Yellowstone National Park	
YPPC	Pelican Cone	
I17A	Pilgrim Ck.	
PHWY	Pilot Hill	
PHWY1	Pilot Hill -- Preliminary Site	
PI5	Pinedale	
PI-	Pinedale	PI-WY
PIN	Pinedale	
PI1	Pinedale	
PI6	Pinedale	
PI2	Pinedale	
PI3	Pinedale	
PI7	Pinedale	
PI-WY	Pinedale	
PI4	Pinedale	
PI2WY	Pinedale	
PDAR	Pinedale Array Beam Ref. Point	
PD01	Pinedale Array Site 1	
PD10	Pinedale Array Site 10	
PD11	Pinedale Array Site 11	
PD12	Pinedale Array Site 12	
PD13	Pinedale Array Site 13	
PD02	Pinedale Array Site 2	
PD03	Pinedale Array Site 3	
PD31	Pinedale Array Site 31	PDAR
PD32	Pinedale Array Site 32	
PD04	Pinedale Array Site 4	
PD05	Pinedale Array Site 5	
PD07	Pinedale Array Site 7	
PD08	Pinedale Array Site 8	
PD09	Pinedale Array Site 9	
PDIAR	Pinedale Infrasonic Array Beam Reference Point	
YPP	Pitchstone Plateau	
PMW	Pole Mountain	
PM-WY	Pole Mountain	
PM-	Pole Mt.	PM-WY
H19A	Powell	
YPM	Purple Mountain	
RAMW	Rammel Mountain	
RWWY	Rawlins	
L21A	Rawlins	
REDW	Red Top Meadow	
M19A	Rock Springs	
M17A	Scullys Gap (BLM), Evanston	
M21A	Separation Peak, Rawlins	
H18A	Shoshone NF, Cody	
J20A	Shoshoni	
SNOW	Snow King Mountain	
YPSB	Soda Butte	
YPSE	South Entrance	
STEW	Steamboat Mountain	
M20A	Sweetwater, Wamsutter	
TPAW	Teton Pass	
YTP	The Promontory	
TL-WY	Thermopolis	
K18A	Toltan Ranch, Big Piney	
YTC	Trail Creek	
TRXW	Triangle-X Ranch	
YPTB	Twin Buttes	
YUF	Upper Falls	
WUWY	Wally Ulrich	
L20A	Wamsutter	
WTW	West Thumb	
L24A	Wheatland	
I20A	Worland	
WYO	Wyoming Array	
WY0	Wyoming Array	WYO
YNM	Yellowstone Norris Museum	
K20A	Yellowstone Ranch, Lander	

Veracruz

NEUV	Arroyo Zacate	
CXUV	Coxquihui	
JAUV	Jalcomulco	
CTUV	Llano Grande	
MIHL	Minatitlan	
OZST	Orizaba	
PMUV	Sontecomapan	
XALA	Xalapa	

Washington

AWST	Adams West	

Yukon Territory

N31M	Braeburn, Yukon	
M31M	Drury Creek, Yukon	
FARO	Faro, Yukon	
TGTN	Hyland Airport, Yukon	
MAYO	Mayo, Yukon	
M30M	Minto, Yukon	
I29M	Ogilvie Camp, Yukon	
MMPY	Sheldon Lake, Yukon	
P33M	Teslin, Yukon	
WTLY	Watson Lake, Yukon	

PACIFIC OCEAN

Pacific coast of Ecuador

SU01	SU01	
SU02	SU02	
SU03	SU03	
SUB04	SU04	
SUB05	SU05	
SUB06	SU06	
SU07	SU07	
SUB08	SU08	
SUB09	SU09	
SUB10	SU10	
SUB11	SU11	
SUB12	SU12	
SUB13	SU13	
SUB14	SU14	
SU15	SU15	

Pacific Ocean West Coast USA

FC03D	FC03D	
FN01A	FN01A	
FN01C	FN01C	
FN02C	FN02C	
FN03A	FN03A	
FN03C	FN03C	
FN04C	FN04C	
FN05A	FN05A	
FN05C	FN05C	
FN06A	FN06A	
FN06C	FN06C	
FN07A	FN07A	
FN07C	FN07C	
FN08A	FN08A	
FN08C	FN08C	
FN09A	FN09A	
FN09C	FN09C	
FN10A	FN10A	
FN10C	FN10C	
FN11C	FN11C	
FN12A	FN12A	
FN12C	FN12C	
FN13C	FN13C	
FN14A	FN14A	
FN14C	FN14C	
FN16A	FN16A	
FN16C	FN16C	
FN17C	FN17C	
FN18A	FN18A	
FN18C	FN18C	
FN19A	FN19A	
FN19C	FN19C	
FS01B	FS01B	
FS02B	FS02B	
FS02D	FS02D	
FS03B	FS03B	
FS04B	FS04B	
FS04D	FS04D	
FS05B	FS05B	
FS06B	FS06B	
FS06D	FS06D	
FS07B	FS07B	
FS07D	FS07D	
FS08B	FS08B	
FS08D	FS08D	
FS09B	FS09B	
FS09D	FS09D	
FS10B	FS10B	
FS10D	FS10D	
FS11B	FS11B	
FS11D	FS11D	
FS12B	FS12B	
FS12D	FS12D	
FS13B	FS13B	
FS13D	FS13D	
FS14B	FS14B	
FS14D	FS14D	
FS15B	FS15B	
FS15D	FS15D	
FS16B	FS16B	
FS16D	FS16D	
FS17B	FS17B	
FS17D	FS17D	
FS18B	FS18B	
FS19B	FS19B	
FS20B	FS20B	
FS41D	FS41D	
FS42D	FS42D	
FS43D	FS43D	
FS44D	FS44D	
FS45D	FS45D	
G01D	G01D	
G02B	G02B	
G02D	G02D	
G03A7	G03A7	
G03B	G03B	
G03D7	G03D7	
G04B	G04B	
G04D	G04D	
G05B	G05B	
G05D7	G05D7	
G09B	G09B	
G09D	G09D	
G10B	G10B	
G10D	G10D	
G11B	G11B	
G11D	G11D	
G12B	G12B	
G13B	G13B	
G13D	G13D	
G17B	G17B	
G17D	G17D	
G18B	G18B	
G18D	G18D	
G19B	G19B	
G19D	G19D	
G20B	G20B	
G20D	G20D	
G21B	G21B	
G21D	G21D	
G22B	G22B	
G22D	G22D	
G25B	G25B	
G25D	G25D	
G26B	G26B	
G26D	G26D	
G27B	G27B	
G27D	G27D	
G28B	G28B	
G29B	G29B	
G29D	G29D	
G30A7	G30A7	
G30B	G30B	
G33B	G33B	
G33D	G33D	
G34B	G34B	
G34D	G34D	
G35B	G35B	
G35D	G35D	
G36B2	G36B2	
G36D	G36D	
G37B	G37B	
G37D	G37D	
J06A7	J06A7	
J06B	J06B	
J06D	J06D	
J09B	J09B	
J09D	J09D	
J10B	J10B	
J10D	J10D	
J11B	J11B	
J11D	J11D	
J17B	J17B	
J17D	J17D	
J18B	J18B	
J18D	J18D	
J19B	J19B	
J19D	J19D	
J20B	J20B	
J20D	J20D	
J21C	J21C	
J23A7	J23A7	
J23B	J23B	
J23C	J23C	
J23D	J23D	
J25A7	J25A7	
J25B	J25B	
J25C	J25C	
J25D	J25D	
J26A7	J26A7	
J26C	J26C	
J26D	J26D	
J27B	J27B	
J27D	J27D	
J28A7	J28A7	
J28B	J28B	
J28C	J28C	
J28D	J28D	
J29A7	J29A7	
J29C	J29C	
J30A7	J30A7	
J30C	J30C	
J31A7	J31A7	
J31C	J31C	
J32C	J32C	
J33A7	J33A7	
J33B	J33B	
J33C	J33C	
J34A7	J34A7	
J34C	J34C	
J35A7	J35A7	
J35C	J35C	
J36A7	J36A7	
J36C	J36C	
J37A7	J37A7	
J37C	J37C	
J38A7	J38A7	
J38C	J38C	
J39A7	J39A7	
J39C	J39C	
J41A7	J41A7	
J41C	J41C	
J42A7	J42A7	
J42C	J42C	
J43A7	J43A7	
J43C	J43C	
J44A	J44A	
J44C	J44C	
J45A7	J45A7	
J45C	J45C	
J46A7	J46A7	
J46C	J46C	
J47A7	J47A7	
J47C	J47C	
J48A7	J48A7	
J48B	J48B	
J48C	J48C	
J49A7	J49A7	
J49C	J49C	
J50A	J50A	
J50C	J50C	
J51A	J51A	
J51C	J51C	
J52A7	J52A7	
J52C	J52C	
J53A	J53A	
J53C	J53C	
J54A7	J54A7	
J54C	J54C	
J55A7	J55A7	
J55C	J55C	
J57A7	J57A7	
J57C	J57C	
J58A7	J58A7	
J58C	J58C	
J59A7	J59A7	
J59C	J59C	
J61A7	J61A7	
J61C	J61C	
J63A7	J63A7	
J63B	J63B	
J63C	J63C	
J65A	J65A	
J65C	J65C	
J67A	J67A	
J67C	J67C	
J68A	J68A	
J68C	J68C	
J69C	J69C	
J73A	J73A	
J73C	J73C	
M01A	M01A	
M01C7	M01C7	
M02A	M02A	
M02C7	M02C7	
M03A	M03A	
M03C7	M03C7	
M04C7	M04C7	
M05C7	M05C7	
M06A	M06A	
M06C7	M06C7	
M07A7	M07A7	
M07C	M07C	
M08A7	M08A7	
M08C	M08C	
M09B	M09B	
M10B	M10B	
M11B	M11B	
M12B	M12B	
M13B	M13B	
M13D	M13D	
M14B	M14B	
M14D	M14D	
M15D	M15D	
M16D	M16D	
M17D	M17D	
M18B	M18B	

Pacific Ocean, West of Nicaragua

O095	OBS O095	
O096	OBS O096	
O097	OBS O097	

PACIFIC OCEAN/OCEANIA

Cook Islands

MNHK	Manihiki	
NUE	Niue	
RAR	Rarotonga	
TG-	Tongareva I.	TG-IS
TG-IS	Tongareva Island	

Fiji

BQA	Beqa	
MBU	Bua	
NDE	Delaikoro	
DGTI	Dogotuki	
NGA	Galoa	
KDV	Kandavu Island	
LBSS	Karokaro, Northern Div. Fiji, LBSA	
KRO	Koro	
LBSA	Labasa	
MGO	Magodro	
KDVU	Mokoisa, Kandavu	
MSV	Monasavu	
NAF	Naboro	
NDF	Nadi	
NMS	Namosi	
NAS	Nasaqa	
NHF	Nausori Highlands	
GAU	Ngau Island	
MSVF	Nonsavu	
LD05	OBS LD05	
LD10	OBS LD10	
LD12	OBS LD12	
LD14	OBS LD14	
LW07	OBS LW07	
LW11	OBS LW11	
LW13	OBS LW13	
OVA	Ovalau	
SGE	South Ridge	
SUV	Suva	
SVA	Suva	
TVI	Taveuni	
TAVE	Taveuni	
LKBA	Tubou, Lakemba	
UDU	Undu Point	
LTKA	Viseisei, Central Div. Fiji	
NMF	Viti Levu	
VDW	Vunidawa	
VUN	Vunikawai	
YSA	Yasawairara	

France

Gambier Islands

RKT	Rikitea	

French Polynesia

Moorea		
AFR	Afareaitu	
Society Islands		
MEH	Mehetia	
TIAR	Tiarei	
Tahiti		
PAE	Paea	
PPTF	Pamatai, Papeete	
THT	Papeete	
PPT	Papeete	
PPT2	Papeete2	
PPN	Papenoo	
TAH	Tahiti	
I24FR	TAHITI-TARAVAO INFRASONIC ARRAY REFERENCE POINT	
TVO	Taravao	
Tuamotu		
AMN	Amanu	
FRT	Faratahi	
NAE	Nake (Tuamotu)	
OTP	Otepa	
PMO	Pomariorio	
PMOR	Pomariorio Reef	
RUV	Rauvai	
TPT	Tiputa	
VAH	Vaihoa	
Tubuai		
TBI	Tubuai	

Guatemala Basin

HUEH	Huehuetenango	

Kiribati

XMAS	Kiritimati	
Kiribati (Gilbert Islands)		
TARA	Tarawa	
Line Islands		
FAN	Fanning Island	
JN-	Johnston I.	JN-IS
PR-	Palmyra I.	PR-IS
PR-IS	Palmyra Island	
Phoenix Islands		
KNTN	Kanton	

Mariana Islands

AGRI	Agrihan Island	
ALMG	Alamagan	
ANA2	Anatahan	
ANAT	Anatahan	
AFOK	Anatahan S. Rim	
GUMO	Guam	
GUAM	Guam	
GUA	Guam	

Code	*Station Name*	*Other*
MRG03	Mariana Trench, MRG03	
MRG04	Mariana Trench, MRG04	
MRG16	Mariana Trench, MRG16	
MRG22	Mariana Trench, MRG22	
MRG40	Mariana Trench, MRG40	
MRG42	Mariana Trench, MRG42	
MRG46	Mariana Trench, MRG46	
MRG58	Mariana Trench, MRG58	
MTR02	Mariana Trench, OBS02	
MTR06	Mariana Trench, OBS06	
MTR07	Mariana Trench, OBS07	
MTR08	Mariana Trench, OBS08	
MTR09	Mariana Trench, OBS09	
MTR10	Mariana Trench, OBS10	
MTR11	Mariana Trench, OBS11	
MTR12	Mariana Trench, OBS12	
MTR14	Mariana Trench, OBS14	
MTR15	Mariana Trench, OBS15	
MTR17	Mariana Trench, OBS17	
MTR18	Mariana Trench, OBS18	
MTR19	Mariana Trench, OBS19	
MTR20	Mariana Trench, OBS20	
MTR21	Mariana Trench, OBS21	
MTR23	Mariana Trench, OBS23	
MTR25	Mariana Trench, OBS25	
MTR26	Mariana Trench, OBS26	
MTR27	Mariana Trench, OBS27	
MTR28	Mariana Trench, OBS28	
MTR29	Mariana Trench, OBS29	
MTR31	Mariana Trench, OBS31	
MTR32	Mariana Trench, OBS32	
MTR33	Mariana Trench, OBS33	
MTR34	Mariana Trench, OBS34	
MTR36	Mariana Trench, OBS36	
MTR37	Mariana Trench, OBS37	
MTR38	Mariana Trench, OBS38	
MTR43	Mariana Trench, OBS43	
MTR44	Mariana Trench, OBS44	
MTR45	Mariana Trench, OBS45	
MTR47	Mariana Trench, OBS47	
MTR48	Mariana Trench, OBS48	
MTR49	Mariana Trench, OBS49	
MTR50	Mariana Trench, OBS50	
MTR51	Mariana Trench, OBS51	
MTR52	Mariana Trench, OBS52	
MTR53	Mariana Trench, OBS53	
MTR55	Mariana Trench, OBS55	
MTR57	Mariana Trench, OBS57	
NMCC	Northern Marianas College	
PAGN	Pagan	
PAGV	Pagan Volcano	
PJG	Potts Junction	
SAPN	Saipan	
SARN	Sarigan	
Marquesas archipelago		
I21FR	MARQUESAS ISLAND INFRASONIC ARRAY REFERENCE POINT	
TAOE	Nuku Hiva Island	
Marshall Islands		
EW-	Eniwetok	EW-IS
EW-IS	Eniwetok	
KWJN	Gagan, Kwajalein Atoll, Marshall Island	
KWAJ	Kwajalein Atoll	
Micronesia		
Caroline Islands		
PATS	Pohnpei	
TRU	Truk	
Midway Islands		
I58US	Midway Islands	
New Caledonia		
Loyalty Islands		
LIFNC	LIFOU	
MARNC	Mare, Loyalty Islands, New Caledonia	
OUA	Ouanaham	
KOU	Koumac	
KOUNC	Koumac, New Caledonia	
YATNC	Mamie plateau, Yate, New Caledonia	
PLUM	Mont Dore	
DZM	Mont Dzumac	
MVNO	Noumea	
NOC	Noumea	
NOU	Noumea	
NORM	Noumea	
LASL	Noumea	
ONTRN	Noumea	
OUENC	Ouen Island, New Caledonia	
ONTNC	Ouen Toro	
PINNC	Pines Island, New Caledonia	
NOUC	Port Laguerre	
I22FR	PORTLAGUERRE INFRASONIC ARRAY REFERENCE POINT	
BAYA	Yate Dam	
North Pacific Ocean		
Guatemala Basin		
GB02	Guatemala Basin O.B.S. 2	
GB03	Guatemala Basin O.B.S. 3	
GB04	Guatemala Basin O.B.S. 4	
GB05	Guatemala Basin O.B.S. 5	
GB06	Guatemala Basin O.B.S. 6	
GB07	Guatemala Basin O.B.S. 7	
GB08	Guatemala Basin O.B.S. 8	
GB01	Guatemala OBS 1	
H2O	Hawaii-2 Observatory	
Palau		
Caroline Islands		
KOR	Koror	
PLA	Palau	
PALU	Palau	
I39PW	PALAU INFRASONIC ARRAY REFERENCE POINT	
Pitcairn Island		
PTCN	Pitcairn Island	
Samoa Islands		
AFI	Afiamalu	
API	Apia	
LW06	OBS LW06	
Tonga		
TFUA	Ha apai	
HAPI	Koulo, Foa Island	
NIU	Niumate	
NUK	Nuku'alofa	
LD03	OBS LD03	
LD17	OBS LD17	
LD19	OBS LD19	
LD21	OBS LD21	
LD23	OBS LD23	
LD25	OBS LD25	
LD27	OBS LD27	
LW01	OBS LW01	
LW15	OBS LW15	
LW18	OBS LW18	
LW20	OBS LW20	
LW22	OBS LW22	
LW24	OBS LW24	
EUAT	Ohonua, Eua	
NIFO	Sapa ata, Niuas	
TEK	Teekin	
TNGT	Tongatapu	
VAVA	Vava'u	
NUKU	Veitongo, Tongo	
Tuvalu (Ellice Islands)		
FUNA	Funafuti	
U.S.A.		
Johnston Island		
JN-IS	Johnston Island	
JOHN	Johnston Island	
Midway Islands		
MDY	Midway	
MIDW	Midway	
Wake Island		
WKE	Wake	
WAKE	Wake Island	
H11N1	WAKE ISLAND Hydroacoustic Site N1	
H11N2	WAKE ISLAND Hydroacoustic Site N2	
H11N3	WAKE ISLAND Hydroacoustic Site N3	
H11S1	WAKE ISLAND Hydroacoustic Site S1	
H11S2	WAKE ISLAND Hydroacoustic Site S2	
H11S3	WAKE ISLAND Hydroacoustic Site S3	
Vanuatu		
VVASA	Asamaranda, VASAV	
VVANG	Bakakara, VANGO	
VBOKI	Bokissa	
BKM	Butte a Klehm	
VTURT	Coulons	
DVP	Devils Point	
EME	Emae	
EPI	Epi	
VAMB	Fali, AMB	
INH	Isangel	
VSULE	Kerevinumbu	
VLAKA	Lakatoro	
LMP	Lamap	
VLEVI	Leviamp	
VKOLH	Longtal	
LNR	Lonorore	
VSARA	Lowerie	
LUES	Luesalemba Temotu	
LUG	Luganville	
MBV	Mont Bernier	
VEBEN	Narango	
VOS01	OBS, OS01	
VOS02	OBS, OS02	
VOS03	OBS, OS03	
VOS04	OBS, OS04	
VOS05	OBS, OS05	
VOS06	OBS, OS06	
VOS07	OBS, OS07	
VOS08	OBS, OS08	
VOS09	OBS, OS09	
VOS10	OBS, OS10	
VSALE	Olo Olo	
PVC	Port Vila	
RTV	Rentapao	
SANVU	Saraoutou	
VVAVU	Sasuli, VAVUN	
SWB	Southwest Bay	
VTAMB	Tambalato	
VESPI	Tanmial	
TANV	Tanna	
VBUTM	Tatafo	
VLEBE	Tatafo	
VLN	Vanua Lava	
VPOTO	Veturah	
VNARW	Walarano	
VWUSI	Wusi	
Wake Island		
I60US	Wake Island	
Wallis and Futuna		
FUTU	Fugatoga	
SOUTH AMERICA		
Amazonas		
SGC2	Sao Gabriel da Cachoeira	
SGCB	S£o Gabriel da Cachoeira, AM	
TEFE	Tefe	
Antofagasta		
PX05	IPOC Station PX05	
AF01	San Pedro de Atacama	
Argentina		
TRQA	Tornquist	
Buenos Aires		
BAA	Buenos Aires	
CCR	Chacarita	
LPA	La Plata	
MGBA	MARTIN GARCIA	
VBA	Sierra Ventana	
Catamarca		
ANL	Andalgala	
CYA	Choya	
Chubut		
TRWA	Trelew	
Cordoba		
BOS	Bosque Alegre	
PIL	Pilar	
SUCO	SUCO	
TCA	Tanti	
Jujuy		
HJA	Humahuaca	
JUJ	Jujuy	
LQA	La Quiaca	
ASTB	Santa Barbara	
YJA	Yavi	
AZAP	Zapla	
La Rioja		
AANI	Anillaco	
ACLC	CERRO LA CRUZ	
ACHE	Chepes	
CCT	Chilecito	
AGUA	GUANDACOL	
RTPR	Patquia	
APLL	PUNTA DE LOS LLANOS	
AVFE	Valle Fertil	
VCA	Vinchina	
Mendoza		
AAGR	Agrelo	
ARCO	CERRO ARCO	
COIS	El Sosneado	
PUMA	Malargue	
EDS3	Malargue	
MAA	Manantiales	
MEN	Mendoza	
MDZ	Mendoza	
ASAL	Salagasta	
RFA	San Rafael	
UTNM	Universidad Technologica Nacional Mendoza	
AUSP	Uspallata	
AVIZ	Vizcacheras	
Misiones		
EDMA	Eldorado	
Neuquen		
CANA	Caviahue	
GO06	Currarrehue	
Patagonia		
COYC	Coyhaique	
SCA	Santa Cruz	
Rio Negro		
CIP	Cipolletti	
PLCA	Paso Flores	
Salta		
AASA	Agas	
FSA	Cafayete	
AQCC	Dique - Cabra Corral	
AERF	Escuela - Rosario de la Frontera	
AIPV	Ipv	
ALOL	LOMAS DE OLMEDO	
ALUM	Lumbreras	
SLT	Salta	
AHLV	Sanatorio - la Vina	
SLA	San Lorenzo	
TSA	Tranquitos	
San Juan		
RTBS	Barreal	
BCO	Cerro Blanco	RTCB
RTCB	Cerro Blanco	
ACCO	Cerro Coronel	
CEN	Cerronegro	
VAA	Cerro Valdivia	RTCV
RTCV	Cerro Valdivia	
RTLL	Cerro Villicun	
CFA	Coronel Fontana	
CFAA	Coronel Fontana	
ACDV	Cuesta del Viento	
HLN	Hualilan	
LEO	Leoncito	
RTLS	Leoncito	
AMAR	Marayes	
RTMQ	Marquesado	
AMOG	MOGNA	
AMLC	Mogote Corralitos	
PPA	Pie de Palo	
RTRS	Rodeo	
AROD	Rodeo	
SJA	San Juan	
ZON	Zonda	
San Luis		
ACAN	Cantantal	
MRA	San Martin	
Santa Fe		
HSFA	Helvecia	
Santiago del Estero		
SDE	Santiago Estero	TPA
TPA	Tala Pozo	
Tierra del Fuego		
DSPA	Despedida	
TRVA	Ter de Rio Valdez	
USHA	Ushuaia	
USHU	Ushuaia	
I02AR	USHUAIA INFRASONIC ARRAY REFERENCE POINT	
Tucuman		
AHML	Horco Molle	
TCM	Tucuman	
Atacama		
AC06	Mina Casimiro Domeyco	
Bahia		
ANA01	Lindo Horizonte, BA, Brazil	
Bio-Bio		
BI04	Isla Mocha	
LAJA	Laja	
BI05	Punta Hualpn	
BI02	San Fabin de Alico	
BI03	Tigo	
Bolivia		
AOEA	Aiquile	
COLL	Andarivi	
BS06	Camiri	
BB05	Carapari	
BB07	Casarave	
CNCB	Chanca	
CHIT	Chita	
CHUQ	Chuquichambi	
BS01	CO. Balcn	
CCH	Cochabamba	
COLO	COLO	
BS10	CO. Tuti	
CRISS	CRISS	
CRUZ	CRUZ	
BS05	Cuyupaya	
DSG	Desaguadero	
DOOR	DOOR	
HIZO	HIZO	
BS09	Huarina	
ITIT	Ipitacuapi	
SOEJ	Jacaque	
BBLB	La Banda, Bolivia	
BB02	La Guardia	
LAJO	La Joya	
LPB	La Paz	
LZ-	La Paz	LZ-BV
LZ-BV	La Paz	
LPAZ	La Paz	
BS00	La Paz	
BBOB	La Paz, Banderani	
BBOE	La Paz, Chanca	
BBOD	La Paz, Gloria	
BBOJ	La Paz, Jacaque	
I08BO	LAS PENAS INFRASONIC ARRAY REFERENCE POINT	
LIRI	LIRI	
MOCB	Mochara	
BS03	Mojotorillo	
BB01	Montecillos	
SOEO	Opoqueri	
PACHH	PACH	
BS02	Patallajta	
PNS	Penas	
PICHH	PICH	
SOTI	Planta Incahuasi	
POOP	Poopo	
BBPS	Puerto Suarez	
BB08	Puerto Suarez	
RAUL	RAUL	
RTA	Riberalta	
BBRT	Rincon del Tigre	
BBRB	Robore, Bolivia	
ROSL	ROSL	
SALII	SALI	
SMB	Samaipata	
LPZ	San Calixto	
BS07	San Felipe	
SIV	San Ignacio	
BB03	San Joaqun	
SCHO	SCHO	
BBSD	Serra de San Diablo, Bolivia	
SICA	Sicasica	
SCS	Sicasica	
SUC	Sucre	
TACA	TACA	
BB04	Tambo Quemado	
TRJ	Tarija	
AOVT	TarijaAcel	
BATO	Ticaya	
SOET	ToroToro	
TPZ	Tupiza	
UYUN	Uyuni	
BS08	Valle Grande	
BS04	Villa Nueva	
BB06	Yocalla	
YUNZ	YUNZ	
ZLP	Zongo (La Paz)	ZOBO
ZOBO	Zongo (La Paz)	
Brazil		
Acre		
CZSB	Cruzeiro do Sul	
RIOB	Rio Branco	
Alagoas		
NBAN	Anadia - AL	
NVLB	Novo Lino, Alagoas, Brazil	
XIN	Xingo	
Amazonas		
TBTG	Tabatinga, AM	
Bahia		
NBCP	Cabaceiras do Paraguassu - BA	
NBCP0	Cabaceiras do Paraguassu - BA	
NBIT	Itapeh - BA	
PDCR	Pedra do Cavalo	
NBPN	Ponto Novo - BA	
SDBA	SAO DESIDERIO	
SOB2	Sobradinho	
SOB3	Sobradinho	
SOB1	Sobradinho	
SOB	Sobradinho	
SOB4	Sobradinho	
ABR01	Abrolhos, BA	
AMBA	Amambai (Brazil)	
ANTJ	Antonio Joao (Brazil)	
AREB	Areado	
ASPSP	Arquipelago de Sao Pedro e Sao Paulo - PE, Brazil	
BAL3	Balbina	
BOAV	Boa Vista	
BDQN	Bodoquena, MS	
CMC01	Camacan, BA	
CMPB	Campos	
CHAP	Chapeco	
ITAB	Concordia	
DIAM	Diamantina, MG	
FNDO	Fernando de Noronha	
COIM	Forte Coimbra	
FRBT	Francisco Beltr£o	
GDU01	Guandu, BA	
NAN01	Guarapari, ES	
GUA01	Guaratinga, BA	
LDASE	Londrina, Brazil	
MACA	Manacapuru-AM	
MCR1	Marechal Candido	

Rondon
NATB Natividade
PANT Pantanal (Brazil)
PTGA Pitinga
MURT Porto Murtinho
POPB Porto Primavera
RPRD Ribas do Rio Pardo (Brazil)
RVDE Rio Verde (Brazil)
SPB Sao Paulo
Ceara
NBCL Cascavel-CE
FOR1 Fortaleza - CE
CS6B Jaguaretama
NBMO Morrinhos-CE
NBMA Muriti-CE
OCBR Ocara
ET03 Palhano
NBPB Pedra_Branca-CE
SBBR Sobral
Distrito Federal
BDFB Brasilia
BAE Brasilia
BCS* Brasilia Array
BAO Brasilia Array Centre Point
BAE1 Brasilia Array Site E1
BAE2 Brasilia Array Site E2
BAE3 Brasilia Array Site E3
BAE4 Brasilia Array Site E4
BAE5 Brasilia Array Site E5
BAEE Brasilia Array Site EE
BAS1 Brasilia Array Site S1
BAS2 Brasilia Array Site S2
BAS3 Brasilia Array Site S3
BAS4 Brasilia Array Site S4
BAS5 Brasilia Array Site S5
BASE Brasilia Array Site SE
BAW1 Brasilia Array Site W1
BAW2 Brasilia Array Site W2
BAW3 Brasilia Array Site W3
BAW4 Brasilia Array Site W4
BAWE Brasilia Array Site WE
I09BR BRASILIA INFRASONIC ARRAY REFERENCE POINT
BDF Brasilia (W)
Espirito Santo
BSFB Barra de Sao Francisco
CAM3 Guarapari
ALF01 Guarapari-ES
RIB01 Linhares ES
Goias
COR2 Caldas Novas
CAN3 Cana Brava
IPMB Ipameri, GO
JATB Jatai
RET9 Novo Planalto, GO, Brazil
RET8 So Miguel do Araguaia, GO, Brazil
SSV2 Sao Salvador
SFA1 Serra Facao
BAT2 UHE Batalha
CAN1 UHE Cana Brava
Maranhao
ROSB Rosrio
BESB Sao Joao Dos Patos
PAL2 UHE Estreito - MA/TO
Mato Grosso
AQDB Aquidauana
ARAG Araguaiana, MT - Brazil
CAMA Camapuan
CDSB Chapadao Do Sul
CLDB Colider
COXM Coxim-MS Brazil
FRNC1 Faz. Rancharia - MS
MSB Manso
NVXV Nova Xavantina-MT
PRNT Paranatinga-MT
PP1B Ponte de Pedra
PTLB Pontes e Lacerda, MT
PDRB Porto dos Gachos, MT
PTMB Porto Murtinho
RVMB Rio Verde do Mato Grosso - MS
SALV Santo Antonio do Leverger, MT
SNDB Serra Nova Dourada
Minas Gerais
AGVB Aqua Vermelha
ATDB Astolofo Dutra
BARB Barbacena
BSCB Bom Sucesso
BRAS Brasopolis
CDCB Carmo do Cajuru
ITRB Iturama
JANB Januaria
JAN06 Januaria
JAN09 Januaria
JAN07 Januaria
JAN08 Januaria
JAN03 Januaria
JFO Juiz de Fora
MCI7 Montes Claros
MC06 Montes Claros
MC05 Montes Claros
MCI9 Montes Claros
MCI8 Montes Claros
MC01 Montes Claros
MCI6 Montes Claros
MC04 Montes Claros
MC03 Montes Claros
MC02 Montes Claros
PMNB Patos De Minas
SJMB Sao Joao De Manteninha
FUN1 UHE Funil - MG
Para
ATB Altamira
BEB Belem
ITTB Itaituba
MALB Monte Alegre
NPGB Novo Progresso
PRPB Parauapebas
TUCB Tucurui
BMO2 UHE Belo Monte
ATM1 UHE Belo Monte
BMO1 UHE Belo Monte
TUC3 UHE Tucurui
TUC4 UHE Tucurui
Paraiba
NBLI Livramento-PB
SLBR Solanea
Parana
VTF1 CHI Itaipu Binacional
ITF10 CHI Itaipu Binacional
ITF4 CHI Itaipu Binacional
FDA Foz do Areia
FDA5 Foz do Areia
FDA4 Foz do Areia
TIJ01 Guaruva-PR
ITB Itaipu
ITB1 Itaipu 1
ITB7 Itaipu 7
PTGB Pitanga
SP7 Salto Pilao - PR
MAJ01 Sao Joao Batista-SC
TRCB Terra Rica
RSTA Tijuco Alta
TER01 Tubaro-SC
YCA YACYRETA
Pernambuco
AGBLB Aguas Belas
CAUB Caruaru
NBCA Caruaru-PE
GRBR Gravata
ITR Itaparica
ITR2 Itaparica 2
ITR5 Itaparica 5
NBRF Rio Formoso - PE
SABR Sanharo
AGBR Sao Joaquim do Monte
NBTA Tacaratu-PE
Piaua
NBPS Pedro II - PI
TRSB Teresina
Rio de Janeiro
ESAR Angra dos Reis-Rio de Janeiro-Brazil
MAN01 Angra dos Reis-RJ
BMA Barra Mansa
CAM01 Campos-RJ
DUB01 Friburgo-RJ
ITA Itatiaia
CAM1 Macae
CAM4 Nova Friburgo
RDJ Rio de Janeiro
TRRB Tres Rios
SIM2 UHE Simplicio
SIM1 UHE Simplicio
VASS Vassouras
VAS01 Vassouras-RJ
Rio Grande do Norte
CAI Caico
IPA Ipanguacu
JC04 Joao Camara
JC1B Joao Camara
JC05 Joao Camara
JC20 Joao Camara
JC06 Joao Camara
NAT Natal
NBPA Parau_RN
PFBR Pau dos Ferros
NBPV Pedro Velho
RCBR Riachuelo
Rio Grande do Sul
CPSB Cacapava Do Sul
CNLB Canela
ITQB Itaqui
PLTB Pedras Altas
UFRS Porto Alegre
Rondonia
ETMB Extrema
SAML Samuel
SRB Samuel
SAMU Samuel, RO
VILB Vilhena
Sao Paulo
VAO2 Atibaia
BB19B Bebedouro
BEB22 Bebedouro
BB19 Bebedouro
BB16B Bebedouro
BE13 Bebedouro13
CACB Caconde
JAC01 Canania-SP
FRTB Fartura
IGAB Igarata
PET01 Itanhaem-SP
JUQB Juquia
PCMB Pacaembu
PARB Paraibuna
PPD Presidente
RIFB Rifaina
RCLB Rio Claro- Sao Paulo-Brazil
VAO3 Socorro
SLP01 Ubatuba-SP
VAO Valinhos
Sergipe
CRRB Carira, Sergipe, Brazil
NBLA Lagarto - SE
PCTB Pacatuba, Sergipe, Brazil
Tocantins
RET3 Cariri, TO, Brazil
CRIB Cristalandia
RET6 Dianopolis -TO
RET2 Formoso do Araguaia, TO, Brazil
LJDO Lageado - TO
RET12 Mateiros - TO
MCRB Monte do Carmo
RET11 Monte do Carmo - TO
NTVD Natividade - TO
RET14 Novo Acordo - TO
PRNN Paranan
RET5 Paranan- TO
PEXB Peixe
RET10 Pium - TO
PATO Ponte Alta do Tocantins
RET1 Porto Nacional, TO, Brazil
SMTB Santa Maria do Tocantins
RET13 S. Felix do Tocantins -TO
RET4 Sucupira, TO, Brazil
LAJE UHE Lajeado

Buenos Aires
FIUBA FACULTAD INGENIERA (UBA)

Catamarca
TINO Tinogasta
Cautin
LR03 Panguipulli

Chile
Aconcagua
ALH Alicahue
CTP Catapilco
JACH Jahuel
Antofagasta
ANT Antofagasta
ANCH Antofagasta
CAC Calama
CTBN Caleta Bueno
CPN1 Cerro Paranal
PB03 IPOC Station PB03
PB04 IPOC Station PB04
PB06 IPOC Station PB06
PB07 IPOC Station PB07
PB09 IPOC Station PB09
PB10 IPOC Station PB10
LVC Limon Verde
CEN1 Los Morros
MACH Maria Elena
MEJI Mejillones
MECH Mejillones
MIC Michilla
MICH Michilla
MTZ Montezuma
MTQ Monturaqui
OAS Oasis
OFA Oficina Alemania
PECH Pedro de Valdivia
PEI Peine
QUL Quillagua
SLN Salinas
SPCH San Pedro de Atacama
TCN Toconce
TCP Tocopilla
TPL Tocopilla
TOCH Tocopilla
Arica y Parinacota
AP01 Chacalluta
Atacama
CDCH Caldera
CLD Caldera
CAA Chanaral
CRCH Chaqaral
CPCH Copiapo
CPP Copiapo
GO03 Copiapo@15
ESC El Salvador
AC05 El Transito
HUCH Huasco
AC04 Llanos de Challe
AC02 Maricunga
AC01 Pan de Azucar
SDO Salado
Bio-Bio
CCHI Chillan
COCH Cobquecura
COBQ Cobquecura
LLIC Llico
CCSP San Pedro de Concepcion
Cautin
PSCH Puerto Saavedra
TEM Temuco
TMU Temuco
VNV Volcan Villarrica
TS2 Aisen
TS1 Aisen
TS3 Aisen
TS4 Aisen
TS5 Aisen
TS6 Aisen
ARCH Arica
CTRO CASTRO
GO01 Chusmiza
CHRN Cochrane
AY03 Cochrane
CNTO Contao
LR04 Corral
LR05 Currie
PUYE Entre Lagos
FUTA Futaleufu@15
HOCH Hornopire@15n
HUAR Huara
HUNY Huinay
PB05 IPOC Station PB05
PB12 IPOC Station PB12
PB13 IPOC Station PB13
PB14 IPOC Station PB14
PB15 IPOC Station PB15
PB16 IPOC Station PB16
ILCA Isla Las Cabras
TIRA La Tirana
PINT Los Pintados
GO07 Milladeo Hill, Quello@15n
NEUQ Neuquen (mine)
POZO Pozo Almonte
CHFR Pto Chacabuco
PUEL Puelo Alto
AYCH Puerto Aysen
PMCH Puerto Montt
PATCX Punta Patache
AY01 Puyuhuapi
QLLN Quello@15n
TMCH Temuco
LR02 Universidad Austral
UNAP University of Iquique
AY02 Valle Exploradores
GO08 Villa O'Higgins
PB18 Visviri
Concepcion
U14B Concepcio@15n
CONC Concepcion
CON Concepcion
Coquimbo
CBCH Cabildo
CMCH Combarbala
ILCH Illapel
LCO Las Campanas
LSCH La Serena
CHNG Los Chungos
VICH Los Vilos
OVCH Ovalle
TLL Tololo Astronomical Observatory
GO04 Tololo Observatory, Vicun@16a
VACH Vallenar
Easter Island
EIC Easter Island
I13CL EASTER ISLAND INFRASONIC ARRAY REFERENCE POINT
PSC Isla de Pascua
RPN Rapa Nui
Juan Fernandez Islands
IJF Islas Juan Fernandez
H03N1 Juan Fernandez Island Hydroacoustic Site N1
H03N2 Juan Fernandez Island Hydroacoustic Site N2
H03N3 Juan Fernandez Island Hydroacoustic Site N3
H03S1 Juan Fernandez Island Hydroacoustic Site S1
H03S2 Juan Fernandez Island Hydroacoustic Site S2
H03S3 Juan Fernandez Island Hydroacoustic Site S3
I14CL ROBINSON CRUSOE ISLAND INFRASONIC ARRAY REFERENCE POINT
Linares
PAN Panimavida
SJC San Javier
Magallanes
GO09 Cerro Castillo
GO10 Punta Arenas
PTA Punta Arenas
SOM Sombrero
Malleco
ANGC Angol
Maule
AGCH Angol
CAUQ Cauquenes
CNCO Chanco
CTCH Constitucion
CONS Constitucion
GO05 Hualan@16e@15
U65B Hualane
ILOC Iloca
LNCH Linares
NICH Los Niches
MFCH Minera del Fierro
CHUE Retiro
SJVR San Javier
TALC Talca
Metropolitana
LACH Col Las Americas
O'Higgins
CICH Cipreses
COLN Colon
CACH El Canelo
U69B Peumo
PICH Pichilemu
CHPI Pichilemu
SFDO San Fernando
STCR Santa Cruz
Santiago
ANTU Antumapu
BACH Barnechea
CLCH Cerro Calan
ELRO Cerro El Roble
CHCH Chadas Angostura
DSCH Colegio Aleman
ROC1 El Roble
ROCH El Roble
YECH El Yeso
EDC* EscuelaIngenieria
FCH Farellones
LCCH Las Cruces
LMEL Las Melosas
LLCH Llolleo
LQT Los Queltehues
PEL Peldehue
FSR Penalolen
PCH Pirque
PUEX Pudahuel
PUT Punta Talca
RCDM Rinconada Maipu
SCR San Cristobal
SJCH San Jose de Maipo
SJM San Jose Maipo
STL Santa Lucia
SAN Santiago
TACH Talagante
Tarapaca
ARI Arica
HMBC Humberstone
PB01 IPOC Station PB01
PB02 IPOC Station PB02
PB08 IPOC Station PB08
PB11 IPOC Station PB11
IQQ Iquique
ICC Iquique
GO02 Mina Guanaco
MNMCX Minye Minye
MNMC Minye Minye
OLL Ollague
PSGCX Pisagua
PSGC Pisagua
Valdivia
OSCH Osorno
VLV Valdivia
VLCH Valdivia
Valparaiso
CCCH Con Con
ELP El Pangue
ELQ El Quisco
IHA Instituto Hidrografico de la Armada
LAV Laguna Verde
LNV Longovilo
MOCH Los Molles
NAVD Navidad
OLCH Olmue
PACH Papudo
PTCH Petorca
U73B San Pedro
VLP Valparaiso IHA
UTF Valparaiso
ZACH Zapallar
Valparaso
VA02 Isla de Pascua
VA03 San Esteban
VA05 Santo Domingo
VA01 Torpederas

Colombia

Code	Station Name	Other
AGCC	Aguachica	
CODC	Agustn Codazzi, Colombia	
ANCC	Alto Anchicaya	
APAC	Apartado, Choco	
ARGC	Ariguani, Magdalena	
ARMEC	Armenia, Quindio	
AZUC	Azuc	
AZ1C	Azucar	
MALC	Bahia Malaga	
SOLC	Bahia Solano	
BBAC	Balboa, Cauca	
SERC	Banco Serrana, Archipielago de San Andres, Providencia y Santa Catalina	
BARC	Barichara	
BRJC	Barrancabermeja, Santander	
BRRC	Barranca, Santander	
CBRI	Barrientos, Norte de Santander	
BETC	Betania	
BTLC	Betulia, Santander	
BOG	Bogota	
BOCO	Bogota	
CBOG1	Bogota, SGC	
CPIR3	Boqueroncito, PIR3	
BMG	Bucaramanga	
BCR	Bucaramanga	
BUGC	Buga	
CAIC	Caicedonia	
RAC02	Cali,SGC	
CAPC	Capurgana	
CAP2	Capurgana	
CAQC	Caqueza, Cundinamarca	
RNCC	Cayo Roncador, Archipielago de San Andres, Providencia y Santa Catalina	
CRJC	Cerrejon, Guajira, Colombia	
KENC	Cerro Kenedy	
CTAB	Cerro Tablazo, Cundinamarca	
CHN	Chinchina	
CHIC	Chingaza	
MINZ	Cinco Dias	
PCON	Cinco Dias	
SNRF	Cinco Dias	
AGBL	Cinco Dias	
CURI	Cinco Dias	
CBOC	Ciudad Bolivar, Antioquia	
CONV	Coconuco	
LAROC	Coconuco	
CURVC	Coconuco, CURV	
CCODA	Codazzi, Cesar	
CVER	Cruz Verde, Cundinamarca	
CCUC3	Cucuta, Santo Domingo	
CCUFI	Cufio, Nario	
CMBC	Cumbal	
MEVZ	Cumbal	
DBBC	Dabeiba	
DBCC	Dabeiba, Colombia	
MIN2	El Beisbol	
VMM10	El Carmen	
ETC	El Centro	
HOBC	El Hobo	
HOBC2	El Hobo, HOBC	
SANLC	El Paraiso, SANL	
PEIC	El Pital	
RREF	El Recreo	
ROSC	El Rosal	
CROSA	EL ROSAL, CUNDINAMARCA	
EROSC	El Rosal, ROS	
GUA2	El Vergel	
FOM	Fmeque, Cundinamarca	
CFLOR	Florencia	FLOC
FLOC	Florencia	
FUQ	Fuquene	
GAL	Galerazamba	
CR2G	Gallina	
GARC	Garzon, Huila	
GIRC	Giron, Santander	
GR1C	Gorgona, Isla Gorgona	
CPOP	Guacas, POP	
GUEC	Guerrero, Norte de Santander	
GUY2C	Guyana, Caldas	
GUYC	Guyana, Colombia	
HOQC	Horqueta	
CIBA1	Ibague, SGC	
GRGC	Isla de Gorgona	
PRVC	Isla de Providencia	
SAIC	Isla e San Andrs, Archipielago de San Andres, Providencia y Santa Catalina	
CGR1C	Isla Gorgona, Cauca	
JAMC	Jamundi, Valle del Cauca	
NIDO	Juntas	
ESME	Juntas	
CRUC	La Cruz	
DIAC	La Diana	
SANJ	La Escarcha	
EZNC	La Esperanza	
CLMC	Lago Colima	
AGZ	La Independencia	
LL1C	La Loma 1 Canario Temporal	
LL2C	La Loma 2 Canario Temporal	
LL3C	La Loma 3 Canario Temporal	
LL5C	La Loma 5 El Paso	
LL6C	La Loma 6 Becerril	
LL7C	La Loma 7 Curumani	
LL8C	La Loma 8 Chimichagua	
RGSC	La Regadera-Sumapaz	
RUSC	La Rusia	
BIS1	Las Neceidas	
URMC	La Uribe, Meta	
VMM09	Lebrija	
LCBC	Los crdobas, Cordoba	
MACC	Macarena, Meta	
LAJAC	Machin, LAJA	
MAPC	Malpelo	
CMAN1	Manizales, Caldas	
MEDEC	Medelln, Antioquia	
MEDC	Medellin	
CLIM	Miraflores	
MONA	Monteria	
MOTC	Monteria, Cordoba	
MUNC	Munchique	
CUMC	Nevado Cumbal	
OLLE	Nevado del Ruiz	
LISA	Nevado del Ruiz	
NIZA	Niza - Manizales, Caldas	
NORC	Norcasia	
CNOCA	NORCASIA, CALDAS	
OBVZ	Obonuco	
OCAC	Ocana	
ORTC	Ortega, Tolima	
MARP	Paez Belalcazar	
TOLD	Palenque	
PAMC	Pamplona, Colombia	
C1151	Parques Nacional Chingaza	
PSO	Pasto	
CPAS1	Pasto	
CPAS2	Pasto	
PAST	Pastocalle	
PIZC	Pizarro, Choco	
PLAY	Playas-San Antonio	
POPC	Popayan, Colombia	
CPOP5	Popayan, Gabriela Mistral	
CPOP2	Popayan, Invias	
CPOP3	Popayan, Sena	
PRAC	Prado	
PUAC	Puerto Asis, Putumayo	
PTBC	PUERTO BERRIO, Antioquia	
PGA1	Puerto Gaitan 1, Meta	
PGA3	Puerto Gaitan 3, Meta	
PGA4	Puerto Gaitan 4, Meta	
PGA5	Puerto Gaitan 5, Meta	
PTGC	Puerto Gaitan, Meta	
PTLC	Puerto Leguizamo, Putumayo	
VMM07	Puerto Wilches	
PTAC	Punta Ardita, Choc	
QUETC	Quetame, Cundinamarca	
REAC	Reactor, Bogot	
SOTA	Rioblanco	
VMM06	Sabana de Torres	
HORQ	Saladito	
SALC	Salvajina	
SRD	San Andres	
SEGC	San Emigdio	
CERRC	San Fernando, CERR	
SJCC	San Jacinto, Colombia	
GUVC	San Jose del Guaviare	
PLMC	San Jos del Palmar, Choc	
UREC	San Jos de Ur, Cordoba	
RAGC	San Jose, RAG	
SJAC	San Juan de Arama, Meta	
VMM05	San Martn	
SMLC	San Martn de Loba, Colombia	
SPBC	San Pablo de Borbur, Boyac	
ANIL	Santa Ana	
HELC	Santa Helena	
ISA2	Santa Isabel	
SMRC	Santa Marta, Magdalena	
SBTC	Sibate, Cundinamarca	
SMORC	Sierra Morena, Bogot¡	
SILC	Silvia	
TAMC	Tame, Arauca	
CMORA	Tapias, MORA	
TATC	Tatama	
CTAU	Tausa, Cundinamarca	
TOLC	Tolima	
CTUM2	Tumaco	
TUMC	Tumaco	
CTUMA	Tumaco, Batallon	
BTNC	Turbay, BTN	
TVAC	TV Cable, Bogot¡	
URB	Uribe, Santander	
URIC	Uribia, Colombia	
CVALL	Valledupar, Cesar	
ALF2	Valle Quemado	
CENEC	Vda. El Buco, CENE	
CONDC	Vda. Josepe, COND	
SOSO	Vda. Mambiloma	
DIAE	Verdin	
VERD	Verdin	
VR2	Verdin	
RECRC	Villamaria, Caldas	
VILC	Villavicencio, Colombia	
GCUF	Volcan Galeras	
PURC	Volcan Purace	
YOPC	Yopal, Colombia	
YOTC	Yotoco, Valle del Cauca	
ZARC	Zaragoza, Cauca	
CHI2		
LOEW		
ANVZ		
NAR2		
BIAC		DIAC
OLGA		
PLAZ		
ACVZ		
COB3		
PUYI		
URCR		
ECALA		

Coquimbo

CO02	Combarbal	
CO03	El Pedregal	
CO06	Fray Jorge	
CO01	Juntas del Toro	
CO05	La Serena	
CO04	Los Peladeros	

Costa Rica

ACOS	Acosta	
CLARA	Aguas Claras	
BAGA	Bagaces	
MEXI	Barrio Mexico	
TAAN	Batan	
BELE	Belen	
BRIBI	Bribri	
BURE	Buenos Aires	
CBL1	Cabuya	
CANAL	Canalete	
CNAS	Canas	
CARI	Cariari	
TAGO	Cartago	
CPMI	Catarata Coopelesca	
CAMAV	Centro de Produccion Miravalles	
CORON	Coronado	
AMPA	Desamparados	
LCOCO	El Coco	
ARZA	Esparza	
DELF	Filadelfia	
CVIMO	Finca Echandi	
BITO	Garabito Jaco	
EDAD	Golfito	
FITO	Golfito	
GREC	Grecia	
LUPE	Guadalupe	
ELI1	Hacienda Flor	
GP14	Hacienda Santa Mara 14	
GP03	Hacienda Santa Mara 3	
GP77	Hacienda Santa Mara 77	
REF1	Hacienda Santa Mara ref	
HATIL	Hatillo	
EDIA	Heredia	
VINA	Juan Vinas	
JUNT	Juntas	
LCRUZ	La Cruz	
TUNA	La Fortuna	
SGBR	La Fortuna	
COTE	Lago Cote	
CMARA	Lajas Hojancha	
ERIA	Liberia	
ALIBA	Liberia Airport	
LCHIL	Los Chiles	
LUJA	Lujan	
SJS3	Mercedes San Jose	
MTEVE	Monteverde	
NYURE	Nandayure	
NARJA	Naranjal	
LLNJ	Naranjito	
NARAN	Naranjo de Alajuela	
PCAYA	Pacayas	
REPA	Paraso	
RITA	Parrita	
LPPC	Paso Canoas	
ZELE	Perez Zeledon	
ITAL	Pital	
VPTE	Poasito	
SOCE	Pocosol	
EDP2	Potrero Grande	
JIME	Puerto Jimenez	
SVQ2	Quepos	
MOTZ	Rio Naranjo	
BUS1	Rivas	
SAAN	San Antonio	
CENT	San Jose	
RAZU	San Marcos de Tarrazu	
ABE2	San Pablo	
RAMO	San Ramon	
SANTA	Santa Ana	
SACU	Santa Cruz	
RVSTA	Santa Teresita	
DOMI	Santo Domingo	
VITO	San Vito	
SARA	Sarapiqu	
SARCI	Sarchi	
IRES	Siquirres	
TABAC	Tabacon	
TCS1	Tacares	
CVTV	Tajo	
VTCG	Tajo	
TIBA	Tibas	
TRIO	Tres Rios	
TURIB	Turrialba	
VTCE	Turrialba Volcano	
VTLA	Turrialba Volcano	
CVTQ	Turrialba Volcano Quemados	
TRB2	Turrubares	
VERB	Verbena	
RVLA	Villa Bonita	
VIRE	VIRE	
VICA	Volcano Irazu	
ICR3	Volcano Irazu 3	
VPS6	Volcano Poas	
VORI	VORI	
VTLO	VTLO	
ZARE	Zarcero	

Ecuador

AGOS	10 DE AGOSTO	
AANG	Acelergrafo del Angel	
AV18	Acelerografo, Esmeraldas - Quininde	
AMA1	Acelerografo, Esmeraldas - Terminal Martimo	
AV21	Acelerografo, Esmeraldas - Viche	
ADUR	Acelerografo, Guayas - Duran	
ACHO	Acelerografo, Imbabuta - Chontal	
ABH1	Acelerografo, Manab - Baha Centro Casa Ing. Oswen Crespo	
ABZA	Acelerografo, Napo - Baeza, Granja Experimental	
AV05	Acelerografo, Napo - El Salado	
AVX7	Acelerografo, Napo - Santa Rosa de Quijos	
AARS	Acelerografo, Pichincha - Arasha	
AV11	Acelerografo, Pichincha - Guayllabamba	
APR1	Acelerografo, Pichincha - Quininde	
ALAG	Acelerografo, Sucumbios - Lago Agrio	
APS1	Acelerografo, Sucumbios - Lago Agrio	
AV03	Acelerografo, Sucumbios - Lumbaqui	
DELA	Administracion zonal de la Delicia, San Jos Condado, Ponceano, Quito, Ecuador	
VIFL	Administracin Zonal Eloy Alfaro - Quito	
QUIB	Administracin Zonal Quitumbe - Quito	
LAMO	ALAMOR	
ALAU	Alaus, Posada N	
ALTA	Alta Urco	
AAM1	Ambato 1 (Municipio)	
AAM2	Ambato 2 (Mercado Amrica)	
PIAT	Ana Tenorio	
ANGU	Angureal	
ANTI	Antisana	
ANTC	Antisana-Cuyuja	
ANTG	Antisana-Guaman	
ANTM	Antisana-La Mica	
ANTS	Antisana-Sarahuasi	
ARDO	Archidona, Tena	
AREE	Arenal	
ARNL	Arenillas	
ARRY	Arrayan	
NINA	Atacazo Ninahuilca	
AUCA	Auca	
AZU1	Azuela	
MONB	Balzapamba Montalvo, CascadaMilagrosa	
BALZ	Balzar	
BARL	BARLOMIN CHICO	
BRRN	Barrancas-Volc¡n Cotopaxi	
BIMJ	BASE NAVAL BIMJAR	
BELL	Bellavista	
BENA	BENADO ABAJO	
BIBL	Biblin	
BOCA	BOCANA DE BUA	
TOMA	Boca Toma-Volc¡n Cotopaxi	
BUFE	BUENA FE, CENTRO DE SALUD	
CABP	Cabo Pasado	
CAB1	Cabo Pasado-Manab	
SFCO	Cabo San Francisco	
CALV	Calvario	
EC08	CAMARONES	
SNPL	CANTERA SAN PLACIDO	
CRPG	Carapungo - Pichincha	
CARM	Carmen	
CARS	Cars	
TING	Casa Alexandra Alvarado - Tingo	
GARO	Casa de Milton Calero-El Garrochal	
SVAC	Casa de Sandra Vaca-San Rafael	
CRON	Casa Elias Gonzalez en Calderon	
CUMY	Casa Hugo Yepes - Cumbaya	
LILI	Casa Paps Liliana Troncoso	
PRAM	Casa Patricio Ramon - Quito	
MAST	Casa Vasconez, Mastodontes, Carcelen, Quito, Ecuador	
ARGE	Casa Villegas, La Argelia, Quito, Ecuador	
FENY	Casa Vinicio Caceres	
CSOL	CASCOL	
JSCH	Cashca Tororas, San Jose de Chimbo	
CATE	Catamayo	
CASW	Cayambe	
CAYA	Cayambe	
ELAGU	Cayambe Volc	
GYEB	Cerro Blanco	
CHIS	Cerro-Chispas-Manabi	
HOJA	Cerro de Hojas	
ECEN	Cerro Negro	
CHAR	Charly	
CHIB	CHIBUNGA	
CHMA	Chilma	
CHIM	Chimborazo	
CHI1	Chimborazo	
PORT	Chimborazo Volcano	
CHON	CHONE	
CIRC	Crculo Militar	
COHC	Cochancay	
C24MA	Colegio 24 de Mayo	
ZALD	Colegio Gonzalo Zaldumbide - Quito	
CSEK	Colegio internacional SEK los valles, Yaniza Rapata, Cumbaya, Quito, Ecuador	
INCA	Colegio Marista Quito, el inca, jipijapa, Quito, Ecuador	
COSF	Comisariato del Ejercito Sur - Quito	
SOCA	Concha del hospital Solca	
CONE	Cono NE Rev Volc	
SANF	Convento San Francisco - Quito	
ECOPE	Copete-Rev Volc	
COTA	Cotacachi	
ACOT	Cotacachi (Casa del Agua)	
VCES	Cotopaxi	
VC1	Cotopaxi 1	
ISUC	Cotopaxi Ecuador	
COV1	Cotopaxi Volc	
BNAS	Cotopaxi Volcano	
BTAM	Cotopaxi Volcano	
BREF	Cotopaxi Volcano	
BMOR	Cotopaxi Volcano	
BVC2	Cotopaxi Volcano	
PITA	Cotopaxi Volc (N)	
MOV1	Cotopaxi Vol south	
CGGP	Crater GGP	
CUIC	Cuicocha-Domo	
CUSE	Cuicocha Este	
CUSW	Cuicocha Oeste	
CUMB	Cumbre	
CUPA	Cupa	
CUSU	Cusua	
DOMO	Domo	
CASC	Dorado de Cascales	
EC06	EAST OF PEDERNALES	
EC05	EAST OF QUINDE	
ALAH	cuado-Alausi-Hospital Civil	

Code	*Station Name*	*Other*
ANGL	Ecuador	
AATC	cuador-Atacames-Perla del penion casa Sr. Alberto Acosta	
AAT1	Ecuador-Atuntaqui-Hospital	
AZOG	Ecuador-Azoguez-PUCE	
ACHN	uador-Chone-Fundacion n Padre Fitzgeral	
ACOC	uador-Coca-Secretaria a de Gestion de Riesgos	
ACNC	Ecuador-Cuenca-Aeropuerto	
ACUE	Ecuador-Cuenca-Rayo Loma Transelectric	
AES1	ador-Esmeraldas-Balao ao Refineria	
AGMT	cuador-Guamote-Cuerpo de Bomberos	
AGRD	Ecuador-Guaranda-U.T. de Guaranda	
AC07	uador-Guayaquil-Cerro o 507	
GYE2	dor-Guayaquil-Estadio dio Unamuno	
GYE3	dor-Guayaquil-Kennedy edy Transelectric	
GBMB	r-Guayllabamba-Cuerpo uerpo de Bomberos	
AHUA	Ecuador-Huaquillas Colegio Municipal	
AIB1	uador-Imbabura-Ibarra a Cuerpo de Bomberos	
ALIT	Ecuador-Imbabura-Lita	
ALJ1	ador-Loja-Universidad ad Tecnica Particular de Loja	
AMCR	Ecuador-Macara	
AMCS	Ecuador-Macas Aeropuerto	
AMAC	Ecuador-Machachi	
ACH2	uador-Machala-Colibri i El Vergel	
APO3	-PORTOVIEJO-INSTITUTO EJO-INSTITUTO NACIONAL PATRIMONIO CULTURAL	
AMTV	Ecuador-Monte Verde-Cenaim Espol	
ACRM	Ecuador-Municipio El Carmen	
APSY	Ecuador-Napo Ana Tenorio	
IECU	Ecuador Network	
BECU	Ecuador Network	
AECU	Ecuador Network	
PECU	Ecuador Network	
CECU	Ecuador Network	
RECU	Ecuador Network	VC1
MECU	Ecuador Network	
GECU	Ecuador Network	
APED	Ecuador-Perdenales	
APO2	dor-Portoviejo-DIRMOV MOV CC.FF.AA.	
APO1	cuador-Portoviejo-UTM Jardin Botanico Estacin Inamhi	
AES2	Ecuador-Puerto Esmeraldas Inocar	
SADP	Ecuador-Quito-CDC San Antonio de Pichincha	
ASLC	ador-Salcedo-Hospital al Yerovi Mackuart	
ASAM	Ecuador-Same-Casa blanca conjunto D'capri	
ALOR	Ecuador-San Lorenzo-Base Maritima Naval	
AIMS	r-Tababela-Aeropuerto uerto Mariscal Sucre	
ATON	ador-Tonsupa-conjunto to Habitacional Cabaplan	
GYE1	Ecuador-Trinitaria-Transelectric	
ATLC	uador-Tulcan-Hospital l Luis G. Davila	
ABH2	Ecuador-Universidad Catolica Bahia de Caraquez	
ABAB	Ecuador-Universidad Tecnica de Babahoyo	
ACH1	Ecuador-Universidad Tecnica de Machala	
AZAM	Ecuador-Zamora	
EDEN	Eden	
CIVI	Edificio de Ingeniera Civil	
LNGL	El Angel-Carchi	
ELAR	El Aromo	
EC04	EL BOTADO, WEST OF QUINDE	
LUCE	EL LUCERO, RIO SANCHEZ	
ELOY	ELOY ALFARO	
EC09	EL TABLON	
EPNL	EPN Laboratorio de Estructuras	
EC01	ESMERALDAS	
BIL2	Estacion Bilbao	
QTOE	Estacion Edusismo	
FARH	Faro	
FLFR	Flavio Alfaro	
FLF1	Flavio Alfaro-Manabi	
INAQ	Fundacion Guayasamin, Bellavista alto, Iaquito	
APJL	GAD MUNICIPAL DE PUJILI	
GALE	Galera	
GOLV	Golondrinas	
GONZ	Gonzanam	
PUEM	Granja Avicola del Valle, Pronaca, San Luis, Puembo, Quito, Ecuador	
GGPC	Guagua Pichincha Codigem	
GUAL	Guallil	
AGUAY	Guayaquil	
GYC2	GYE Cami Cisne II	
GYKA	GYE Cami Kartodromo	
GYZU	GYE Cami Zumar	
GYPL	GYE Consorcio Puerto Limpio	
GYGU	GYE Interagua Guasmos	
GYPS	GYE Interagua Pantanos Secos	
HPAL	Hacienda Las Palmas-Pichincha	
HIER	Hierbabuena	
HSUR	Hospital Del Sur Enrique Grces , La lorena, Chilibulo	
HCAL	Hospital general Docente Calderon, Sierra hermosa, Calderon, Quito, Ecuador	
HLUZ	Hospital Gineco Obsttrico Luz Elena Arismendi, Guamani, Quito, Ecuador	
IBAR	Ibarra	
AIB2	Ibarra (Universidad Catlica)	
IGUA	Igualata	
ILLI	Illinizas Sur - Rasayacu	
IMBA	Imbabura, San Roque	
IRDE	Institut de recherche pour le dveloppement - Quito	
ISPT	Isla de la Plata	
ISPU	Isla Puna	
ISPG	Isla Puna-Puerto Grande	
JAMA	Jama	
JBPC	Jardin Botanico, Parque La Carolina, Iaquito, Quito, Ecuador	
JIPI	JIPIJAPA	
AJPJ	JIPIJAPA 2	
PIJI	JIPIJAPA 3	
JUIV	Juive	
JUI6	Juive	
JUI3	Juive 3	
EC15	JUST BEFORE CUBE	
BONI	La Bonita	
LGCB	Laguna Cube	
HSPR	La Hesperia	
SESM	LA ISLA	
ALIBE	La Libertad	
LAPI	LA PILA	
ESM1	Las Peas - Esmeraldas	
ALAT	Latacunga	
EC11	LA UNION	
LAV2	Lava2-Rev Volc	
LAV3	Lava3-Reventador	
LAV4	Lava4-Reventador	
LITE	Lita	
LITE1	Lita	
LLOA	Lloa	
MCRA	Macar, Loja	
MACE	Macas	
MAG1	Magdalena	
MAGD	Magdalena	
ACJS	Manab - Cojimies	
ABH3	Manabi, Bahia de Caraquez, Distrito de Educacion	
PECV	Mancha de Ca Pechiches	
AMANT	Manta	
AMNT	Manta-Manabi	
SUCR	Mariscal Sucre-Volc¡n Cotopaxi	
MSON	Mazon	
MILO	Milagro-Astudillo	
AMIL	Milagro (Transelectric)	
APR2	Miler	
AMOM	Mompiche	
MOMP	Mompiche - El Palmar	
MJAS	Monjas	
VMON	MONTECRISTI 3	
AMO1	MONTECRISTI, CIUDAD ALFARO	
QUTE	Municipio Quitumbe	
MUSH	Mushullacta	
MUTR	MUTRE	
NAS2	Nasa	
NAS1	Nasa	
NCE	Nasa Cotopaxi	
NONO	Nono	
EC12	NORTH OF DAULE	
EC03	NORTH OF SAN FRANCISCO	
OBSA	Observatorio Astronmico de Quito, Ejido, Itchimbia, Quito, Ecuador	
AOLM	OLMEDO, CENTRO DE SALUD	
AOTA	Otavalo	
OTAV	Otavalo	
PAC1	Pacto, Paraso	
APJN	PAJAN	
PAJA	PAJAN 2	
PKYU	Pakayacu	
PALA	Palora	
APS4	Papallacta	
PARU	Parque archeologico de Rumipamba	
PATA	Patacocha	
PAT1	Patacocha	
PILA	PATRICIA PILAR	
PDNS	Pedernales	
GPNO	Pichincha	
PINO	Pino	
PIS1	Pisayambo	
PISA	Pisayambo	
MORR	Playas El Morro	
APLA	Playas - Guayaquil	
PENR	Ponce-Enriquez	
POND	Pondoa	
PU01	PU01	
PU02	PU02	
PU03	PU03	
PU04	PU04	
PU05	PU05	
PU06	PU06	
PU07	PU07	
PUCR	Pucara	
PCRA	Pucara 2	
QUEM	Puengasi	
PTCY	PUERTO CAYO	
CAYO	PUERTO CAYO 2	
PPLP	Puerto Lpez	
BV15	Puerto Quito-OCP	
ASLZ	PUERTO SAN LORENZO	
APUJ	Pujili	
PULU	Pululahua	
PTGL	Punta Galera	
PUNV	PUNV	
APUY	Puyo	
PUYO	Puyo, Santa Rosa	
AQUE	Quevedo	
QUEV	Quevedo	
QIL2	Quilotoa	
QUIL	Quilotoa	
QIL1	Quilotoa	
QIND	QUININDE	
QITI	Quititos	
QIT2	Quititos 2	
QUI	Quito	
QTO	Quito	
OAQ	Quito	
COMIL	Quito-Colegio Militar	
QUND	Qund	
TUYU	Q. Yuibug Volcan Tungurahua	
MARY	Rancho Maria	
CAMI	Rancho Maria	
RETU	Refugio	
CAYR	Refugio Cayambe	
GGP	Refugio Guagua Pichincha	
CHSH	Refugio Sur-Volc¡n Chimborazo	
BTUN	Refugio Volc¡n Tungurahua	
REVS	Reventador Sur	
EPALM	Reventador volcano	
REVE	Rev-Rev Volc	
RIOE	Riobamba	
ARIO	Riobamba	
RIOE1	Riobamba	
BUCE	RIO BUCHE	
RVRD	Rio Verde	
ROCA	ROCAFUERTE 2	
AROC	ROCAFUERTE, CENTRO DE SALUD	
QUR	Rumipamba	
RUMP	Rumipamba	
RUN2	Runtun	
RUN5	Runtun	
RUN3	Runtun 3	
SAGO	Sagoatoa	
SALI	Salinas	
SALS	SAN ANTONIO - HORCONCITO	
ONHA	San Felipe Oa, Saraguro	
NOVI	SAN FRANCISCO DE NOVILLO	
JORG	San Jorge	
JOR1	San Jorge 1	
JOSE	SAN JOSE	
JUAN	San Juan	
JUA2	San Juan 2	
BOSC	San Juan Bosco	
LORE	San Lorenzo	
LOR1	SAN LORENZO 2	
SLOR	San Lorenzo - Cotopaxi	
SNLR	San Lorenzo-Esmeraldas	
MGUL	San Miguel	
REVN	San Rafael	
SRAM	San Ramn-Volc¡n Cotopaxi	
STNA	SANTA ANA	
ASDO	Santo Domingo	
IESS	Sede Social del IESS - Quito	
SEVS	Severino-Manabi	
SOCH	Soche	
EC18	SOUTHEAST OF BOCA DE BIGOA	
EC17	SOUTH OF ESTERO SECO	
EC07	SOUTH OF LIMONES	
EC20	SOUTH OF MONTECRISTI	
EC13	SOUTH OF SALIMA	
EC14	SOUTH OF TABIAZO	
EC16	SOUTHWEST OF TABUGA	
SUP3	SUP3	
SUP5	SUP5	
SUP6	SUP6	
SUE1	SUT1	
SUE2	SUT2	
SUE3	SUT3	
SUE4	SUT4	
TAIS	Taisha	
TAMB	Tambo	
TAMH	Tambohuasha Chimborazo	
TENA	Tena	
ATEN	Tena	
ROQE	Tereno de la Politecnica a San Roque, San Juan, Quito, Ecuador	
TERV	Terraza Guagua	
BTER	TERRAZAS BANDA ANCHA	
EC19	TOALLA CHICA	
TOAZ	Toaza	
GGPT	Toaza - Volcan Guagua Pichincha	
BMAS	Trigal station	
ATUL	Tulcn	
TULM	Tulcn-Chalpatan Las Cuevas	
QUT	Tumbaco	
TUNG	Tungurahua	
BILB	Tungurahua volcano	
BRUN	Tungurahua Volcano	
BPAT	Tungurahua Volcano	
ULBA	Ulba	
BBIL	Ulba Tungurahua	
BULB	Ulba Tungurahua	
LOJ1	Universidad tcnica Particular de Loja	
URCU	Urcuqui	
EC02	VENTE CASAS, SO DE CAMARONES	
CHL2	Volc¡n Chiles	
CHL1	Volc¡n Chiles-Cueva de arcos	
SANGA	Volcan Sangay	
WILF	WILFRIDO LOOR	
YAHU	Yahuarcocha	
YANA	Yana	
YANT	Yantzaza	
ZUMB	Zumba	
XTAL		
Galapagos		
ALCE	Alcedo, Punta Alfaro	
CEAZ	Cerra Azul, Caleta Web	
FER1	Fernandina1, Punta Espinoza	
FER2	Fernandina2, Punta Mangle	
GIE	Galapagos Islands	
FERN	Isla Fernandina	
PAYG	Puerto Ayora	
PVIL	Puerto Villamil, Aeropuerto	
VCHI	Volcan Chico	
VCH1	Volcn Chico	
Espirito Santo		
TRI01	ILHA DA TRINDADE, ES	
France		
French Guiana		
CAY	Cayenne	
KOG	Kourou	
MDP	Montagnes des Pe@15res	
MPGF	Montagnes des Peres	
Galapagos		
I20EC	Galapagos	
Goias		
CRI1	Crix¡s, GO	
MR7B	Estrela do Norte	
BAT5	Ipameri	
BAT3	Ipameri	
SMAG	Sao Miguel do Araguaia, GO, Brazil	
COR01	UHE Corumb¡	
ITU03	UHE Itumbiara	
Juan Fernandez Islands		
VA04	Juan Fernndez	
Jujuy		
TICA	Tres Isletas	
La Araucana		
LC01	Cunco	
LC02	Puerto Saavedra	
Los Lagos		
LL02	Futaleuf	
LL07	Hotel Espejo de Luna	
LL06	Loncomilla	
LL05	Los Muermos	
LL03	Petrohue	
LL04	Puerto Octay	
LL01	San Ignacio de Huinay	
Magallanes		
MG02	Cerro Sombrero	
MG03	Isla Dawson	
MG04	Isla Riesco	
MG05	Puerto Natales	
MG01	Puerto Williams	
Maranhao		
NBBC	Barra do Corda	
Mato Grosso		
PAR2	Brasnorte	
CCRS	Cacerres, MT, Brazil	
CNRN	Canarana	
C2SB	Chapadao do Sul	
CFSA	Confresa	
CUB	Curvelandia - Mato Grosso, Brazil	
DVLD	Doverlandia	
GUIR	Guiratinga	
PAR1	Juara	
PAR3	Juina	
PAR6	Juina	
PAR7	Juina	
PAR4	Juina	
NBRS	Nobres	
POCN	Pocone	
PAR5	Porto dos Gachos	
PTET	Porto Estrela	
SNP1	Sinop	
MAS01	UHE Manso	
VBST	Vila Bela da Santissima Trindade	
Maule		
G06S	Barrancas	
G13S	Cancha de Quillay	
G02S	El Valle	
G04S	G04S	
G05S	G05S	
G07S	G07S	
G10S	G10S	
G11S	G11S	
G12S	G12S	
G14S	G14S	
G15S	G15S	
G16S	G16S	
G17S	G17S	
G50S	G50S	
GB0S	GB0S	
GB1S	GB Array	
GB2S	GB Array	
GB3S	GB Array	
GB4S	GB Array	
GC5S	GC Array	
GC1T	GC Array	
GC2S	GC Array	
GC3S	GC Array	
GC4S	GC Array	
G01S	Las Pataguas	
G03S	Los Ranchones	
OB01	OBS 01	
OB02	OBS 02	
OB03	OBS 03	
OB04	OBS 04	
OB05	OBS 05	
OB06	OBS 06	
OB07	OBS 07	

Code	Station Name	Other
OB08	OBS 08	
OB09	OBS 09	
OB10	OBS 10	
OB11	OBS 11	
OB12	OBS 12	
OB13	OBS 13	
OB14	OBS 14	
OB15	OBS 15	
OB16	OBS 16	
OB17	OBS 17	
OB18	OBS 18	
OB19	OBS 19	
OB20	OBS 20	
OB21	OBS 21	
OB22	OBS 22	
OB23	OBS 23	
OB24	OBS 24	
OB25	OBS 25	
OB26	OBS 26	
OB27	OBS 27	
OB28	OBS 28	
OB29	OBS 29	
OB30	OBS 30	
ML02	Panimavida	
QF17	Paredones	
G08S	Santa Teresa de Quinhue	
U63S	Sauzal	
GA3S	Tapihue Array	
GA0S	Tapihue Array	
GA1S	Tapihue Array	
GA4S	Tapihue Array	
GA2S	Tapihue Array	
G09S	Tricao	
U57S	U57S	
U59S	U59S	
U60S	U60S	
U66S	U66S	
U67S	U67S	
U72S	U72S	
Mendoza		
LAMA	Las Malvinas	
MORA	Malargue	
Metropolitana		
MT08	Bocatoma Ro Colorado	
MT16	CCHEN	
MT14	Cerro Cal¡n	
MT02	Curacav	
MT10	Hacienda Santa Martina	
MT15	Las Vizcachas	
MT12	Pirque	
MT01	Popeta	
MT04	Ro Olivares	
MT05	Renca	
MT13	San Alfonso	
MT09	Talagante	
MT03	Universidad Adolfo Ibaez	
Minas Gerais		
ARCA	Ara§uai, MG	
CHCR	Itabira, Brazil	
JQT1	Jequitai-MG	
AGLP	Mina gua Limpa, MG, Brazil	
FZND	Mina de Fazend£o MG, Brazil	
FJAO	Mina do Feijao, MG, Brazil	
GNG1	Mina Gongo Soco 1, MG - Brazil	
GNG2	Mina Gongo Soco 2, MG - Brazil	
GNG3	Mina Gongo Soco 3, MG - Brazil	
FABR	Ouro Preto, Brazil	
CANS	Sao Roque de Minas	
Misiones		
SCCA	San Cayetano, Corrientes, Argentina	
Neuquen		
ANEL	Aelo, Neuquen, Argentina	
O'Higgins		
BO04	La Punta	
BO03	Pichilemu	
BO02	Sierra Bellavista	
BO01	Tunca	
Panama		
PTPM	Petroterminales	
Para		
CN01	Coaracy Nunes - AP	
MCPB	Macapa, AP	
MAL2	Monte Alegre, PA, Brazil	
TMAB	Tom-Au,PA,Brazil	
Paraguay		
MOND	CHI Itaipu Binacional	
ITF11	CHI Itaipu Binacional	
ITF6	CHI Itaipu Binacional	
CPUP	Villa Florida	
I41PY	VILLA FLORIDA INFRASONIC ARRAY REFERENCE POINT	
Paraiba		
NBLV	Livramento - PB, Brazil	
PATB	Patos, Paraiba, Brazil	
Parana		
AZCA	Azaras, Argentina	
BIPR1	Baixo Iguassu	
ESFA	Espinillo Formosa - Argentina	
MECA	Mercedes	
Patagonia		
ADAL	Adalicio	
AYCA	Ayacara	
CVRN	Caverna	
CRCV	Corcovado	
CYQE	Coyhaique	
CUEV	Cuervo	
ETRA	Estrella	
FRIO	Frio	
GLCR	Glaciar	
GDRO	Guardaramiro	
HUDS	Hudson	
HUEM	Huemules	
LJUN	La Junta	
LOPS	Lodge Patagonia Sur	
MGDN	Magdalena	
MMYU	Melimoyu	
MLLO	Morrillo	
PSTO	Pasto	
PDRA	Piedra	
POYO	Poyo	
AYSN	Puerto Aysn	
CHAC	Puerto Chacabuco	
PHPI	Puyuhuapi	
RMBA	Raºl Marn Balmaceda	
TBIO	Turbio	
USPA	Uspallante	
VNTQ	Ventisquero	
YLTN	Yulton	
Pernambuco		
NBBL	Bica de Lurdes, Rio Formoso	
Peru		
CHP4	Algarobillo	
PP10	Ancon	
ARE	Arequipa	
ATAH	Atahualpa	
ATI	Atico	
PP07	Ayacucho	
AYAC	Ayacucho	
AYE	Ayenquera	
PP16	Cajamarca	
PP02	Calachota	
PT10	Camacho	
CRV	Caraveli	
CST	Castrovirreyna	
CLA	Chala	
PP08	Chalhuanca	
CHP8	Chiclayo	
CHP3	Chocan	
PP03	Condor	
CHP2	Corcovado	
CUS	Cuzco	
PR05	Cuzco--Tambomachay	
CHP7	Eten	
PT03	Guadalupe	
HUA	Huancayo	
HCO	Huanuco	
HUZ	Huaraz	
HURP	Huarmaca	
CHP5	Huaypira	
ICA	Ica	
PT05	Jicamarca	
PT11	Juni	
LIM	Lima	
LM2	Lima (Magdalena)	
PT20	Maychil	
MAYR	Mayorazgo	
MRF	Miraflores	
PT21	Montanita	
PT01	Morro Solar	
NNA	Nana	
ONG	Ongoro	
PCS	Paracas	
CHP1	Pelados	
PT06	Pisco	
PT18	Porculla	
PCHP	Portachuelo	
PUC	Pucallpa	
PVP	Pueblo Viejo	
PUN	Puno	
PP06	Puquio	
QUM	Quillmana	
PT02	Quilmana	
SGP	San Gregorio	
SJU	San Juan	
SJN	San Juan, Peru	
PT09	Santa Fe	
SHP	Santa Helena	
PP04	Saramarca	
PT08	Suche	
TAL	Talara	
PP05	Tocota	
TRP	Trujillo	
PP09	Villa El Salvador	
PT04	Zamaca	
HLS		
HCA		
EPCH		
EMPA		
Rio Grande do Sul		
ALGR	Alto Alegre (Brazil)	
CRSM	Crissiumal (Brazil)	
RODS	Rosario do Sul (Brazil)	
UNIS	Unistalda (Brazil)	
Rondonia		
ETM2	Extrema - RO	
JIR01	Jirau	
LABB	L¡brea	
Salta		
VACA	Villa Angela Chaco Argentina	
San Juan		
DOCA	Reserva Natural Don Carmelo	
San Luis		
UNSL	Universidad Nacional de San Luis	
Santiago		
MT07	Cerro El Roble	
Santiago del Estero		
GUSE	Guasayan	
Sao Paulo		
BB22B	Bebedouro 22, SP (Brazil)	
MAR04	UHE Marimbondo	
Tarapaca		
PX02	IPOC Station PX02	
PX03	IPOC Station PX03	
Tarapac		
TA01	Diego Aracena	
TA02	Huaiquique	
Uruguay		
OGAUY	Aigu	
MVDC	Cerro de Montevideo	
JSCL	Mazangano	
PSAL	Palomas, Salto - UY	
ANCO	Parque Anchorena, Colonia	
PDTT	Paso de los Toros, Tacuaremb	
ROST	Santa Teresa, Rocha	
SDYD	Sarand del Y Durazno	
TBOT	Tacuaremb	
ARAP	Termas del Arapey, Salto.	
VSTT	Villa Sara, Treinta y Tres	
Valparaiso		
VA06	Catapilco	
Venezuela		
ALTV	Alturitas	
ANGV	Angostura	
AUA1	Aruba	
BLV	Bailadores	
BARV	Barcelona	
BRIV	Barinas	
BAUT	Bautismo	
BENV	Beln	
BETV	Betijoque	
BIRV	Birongo	
BOTV	Botiquin	
CABA	Caballo Blanco	
CAOV	Caicara del Orinoco	
CACV	CAICARA DEL ORINOCO	
CAIV	Caiguire	
CLCV	CALICANTO	
CAMV	Campeare	
CAPV	Capacho	
CAR	Caracas	
CARV	Caracas	
CRUV	Carupano	
CSV	Casigua	
CATA	Catuaro Arriba	
CANV	Cerro Antonio	
CEDI	Cerro Diablo	
CEOS	Cerro El Oso	
ELMO	Cerro Moro	
CERV	Cerron	
CENE	Cerro Negro	
GTV	Cerro Toribio	
CUPV	Cu@15pira	
CUM	Cumana	
COAV	Cumanacoa	
CUMV	Cumana_UDO	
CURV	Curarigua	
DABV	Dabajuro	
BAUV	El Baul	
CAFV	EL CAFE	
GURV	El Guri	
EHV	El Hato	
LLAV	El Llanito	
GMV	El Manteco	
ELOV	Elorza	
PAUV	EL PAUJM	
PRAV	El Prado	
TGRV	El Tigre	
TOV	El Tocuyo	
VIGV	El Vigia	
VOLV	El Volcan	
FIPE	Fila de Piedra	
ELPA	Fila Paraiso	
FDCV	FORTIN DE LA CUMBRE	
FUNV	FUNVISIS	
GRMC	Gramalote, Santander	
GUAC	Guacamaya	
GUNV	Guanoco	
GUIV	Guiria	
GUV	Guri	
GUV3	Guri Network	
GUV4	Guri Network	
GUV1	Guri Network	
GUV2	Guri Network	
GUV5	Guri Network	
HATO	Hato, Curacao	
INTV	Intevep	
IAV	Isla Aves	
IBAV	Isla La Blanquilla	
ORCV	Isla La Orchila	
IMOV	Isla Los Monjes	
ITEV	Isla Los Testigos	
IVIV	IVIC	
JACV	Jacura	
AGV	La Aguada	
AGUV	La Aguada	
CEIV	La Ceiba	
LACU	La Cuchilla	
CUV	La Culata	
LADA	La Danta	
LAGU	Laguneta	
LAGV	Lagunillas	
LGN	Lagunillas	
LAPE	La Pedrera	
LARU	La Rochela, LAR	
MERV	Las Mercedes	
OLLA	Las Ollas	
TORT	La Tortuga	
LAU	La Urbina	
LEV	Loma de el Viento	
LORO	Los Roques	
LUEV	Luepa	
GMC	Macagua	
MAPV	Macapo	
MCHV	Machiques	
MCQV	Machiques	
MANV	Manamana	
MANC	Manicuare_ULA	
MARA	Maracay	
MISV	Misoa	
MOLL	Mollejon	
MONV	Montecano	
MORO	Morrocoy	
OCUV	OCUMARITO	
ORIV	Oritupano	
PALR	Palma Real	
PALM	Palmichal	
OSV	Paramo de la Osa	
PDMV	Paramo Marino	
PARV	Pariaguan	
PRGV	PARIAGUAN	
EAV	Pico El Aguila	
PMV	Pico Espejo	
PLAV	Platillon	
POTV	Potrerito	
PAYV	Puerto Ayacucho	
PLCV	Puerto La Cruz	
PCRV	Puerto La Cruz	
QARV	Quebrada Arriba	
RIOV	Rio Grande	
FISA	Sacuragua	
SAJV	Sajaritas	
SANV	Sanarito	
SCRV	San Cristobal	
LORV	San Lorenzo	
ISAV	Santa Isabel	
SRV	Santa Rosalia	
SDV	Santo Domingo	
SIPV	Sipayare	
SIQV	Siquisique	
SIR	Siria	
SOCV	Socops	
TACV	Tcata	
TEPV	Terepaima	
TIOV	TMO PEDROTE	
TORV	Torococo	
PALV	Tres Palos	
TUV	Trujillo	
TURV	Turiamo	
UAV	Universidad de los Andes	
GUAN	Valle de Guanape	
VIRV	Villa del Rosario	

AGENCIES REPORTING EPICENTRAL ESTIMATES

UUSS	**THE UNIVERSITY OF UTAH SEISMOGRAPH STATIONS.** The University of Utah, 115 South 1460 East, Room 211 FASB Salt Lake City, UTAH 84112-0102, U.S.A..
SKHL	**SAKHALIN EXPERIMENTAL AND METHODOLOGICAL SEISMOLOGICAL EXPEDITION, GS RAS.** Geophysical Survey, Russian Academy of Sciences, 2 Tihookeanskaya, Yuzhno-Sakhalinsk, 693010, Russia.
UPSL	**UNIVERSITY OF PATRAS, DEPARTMENT OF GEOLOGY.** University of Patras, Department of Geology, University Campus, 265 04 Rio Patras, Greece.
KOLA	**KOLA REGIONAL SEISMIC CENTRE, GS RAS.** , Russia.
SGS	**SAUDI GEOLOGICAL SURVEY.** National Earthquake and Volcano Centre, Saudi Geological Survey, P.O.Box 54141, Jeddah 21514, Saudi Arabia.
RISSC	**LABORATORY OF RESEARCH ON EXPERIMENTAL AND COMPUTATIONAL SEIMOLOGY.** Department of Physics, Universit di Napoli Federico II, Complesso Universitario Monte S.Angelo, via Cinthia, Naples, I-80126, Italy.
IPEC	**THE INSTITUTE OF PHYSICS OF THE EARTH (IPEC).** The Institute of Physics of the Earth (IPEC), Masaryk University, Tvrdeho 12, 602 00, Brno, Czech Republic.
TEH	**TEHRAN UNIVERSITY.** Institute of Geophysics, University of Tehran, 16 Azar Street, Enghelab Ave., Tehran, Iran.
CFUSG	**INST. OF SEISMOLOGY AND GEODYNAMICS, V.I. VERNADSKY CRIMEAN FEDERAL UNIVERSITY.** V.I. Vernadsky Crimean Federal University, Trubachenko – 23a, Post Box 2733, Simferopol, 110003, Republic of Crimea.
AAE	**UNIVERSITY OF ADDIS ABABA.** Geophysical Observatory, Addis Ababa University, PO Box 1176, Addis Ababa, Ethiopia.
GFZ	**HELMHOLTZ CENTRE POTSDAM GFZ GERMAN RESEARCH CENTRE FOR GEOSCIENCES.** Section 2.4, Seismology, GEOFON Program, Telegrafenberg, 14473 Potsdam, Germany.
NSSP	**NATIONAL SURVEY OF SEISMIC PROTECTION.** Government of the Republic of Armenia, Davidashen 4 Massiv, 375054 Yereven, Armenia.
ROM	**ISTITUTO NAZIONALE DI GEOFISICA E VULCANOLOGIA.** Istituto Nazionale di Geofisica e Vulcanologia, Via Vigna Murata 605, 00143 Roma, Italy.
PPT	**LABORATOIRE DE GOPHYSIQUE/CEA.** Laboratoire de Gophysique, C.E.A. D.A.S.E. L.D.G./Pamatai, B.P. 640 Papeete 98713, French Polynesia.
RSNC	**RED SISMOLGICA NACIONAL DE COLOMBIA.** Red Sismolgica Nacional de Colombia, Servicio Geolgico Colombiano, Diagonal 53 No 34-53, Bogota, Colombia.
LEDBW	**LANDESERDBEBENDIENST BADEN-WRTTEMBERG.** Landesamt fuer Geologie, Rohstoffe und Bergbau (LGRB), Referat 98 - Landeserdbebendienst, Albertstrasse 5, D-79104 Freiburg i. Br., Germany.
UPA	**UNIVERSIDAD DE PANAMA.** Instituto de Geociencias, Universidad de Panama (UPA), Campus Central - COLINA, Ciudad de Panam, Panama.
FUNV	**FUNDACIN VENEZOLANA DE INVESTIGACIONES SISMOLGICAS.** Av. Guaicaipuro con calle Tiuna, prolongacin final calle Mara., Qta. Funvisis. El Llanito., Caracas. Apartado postal 76880 - El Marqus 1070., Venezuela.
STR	**EOST / RNASS.** EOST / RNaSS, 5 Rue Rene Descartes, 67084 Strasbourg Cedex, France.
LDO	**LAMONT-DOHERTY EARTH OBSERVATORY.** Seismology Department, Lamont-Doherty Geological Observatory, Palisades, NY 10964, Palisades, NY 10964, U.S.A..
ANF	**USARRAY ARRAY NETWORK FACILITY.** IRIS, 1200 New York Ave, NW, Suite 800, Washington, DC 20005, U.S.A..
KNET	**KYRGYZ SEISMIC NETWORK.** Bishkek - 49, Bishkek - 49, Kyrgyzstan.
USGS	**UNITED STATES GEOLOGICAL SURVEY.** US Geological Survey, 345 Middlefield Road, Menlo Park, CA 94025, U.S.A..
PNSN	**PACIFIC NORTHWEST SEISMIC NETWORK.** Department Earth and Space Sciences, University of Washington, Box 351310, Seattle, WA 98195, U.S.A..
SDD	**UNIVERSIDAD AUTONOMA DE SANTO DOMINGO.** Universidad Autonoma de Santo Domingo, Facultad de ciencias, Centro Nacional de Sismologa, Seccin de Anlisis de Datos Sismicos, Santo Domingo, Dominican Republic.
AEIC	**ALASKA EARTHQUAKE INFORMATION CENTER.** Geophysical Institute, University of Alaska Fairbanks, P.O. Box 757320, Fairbanks AK 99775-7320, U.S.A..
JSO	**JORDAN SEISMOLOGICAL OBSERVATORY.** Natural Resources Authority, P.O. Box 7, Amman, Jordan.
ISK	**KANDILLI OBSERVATORY AND RESEARCH INSTITUTE.** Kandilli Observatory and Research Institute, Bogazici University, Cengelkoy 81220, Istanbul, Turkey.
JMA	**JAPAN METEOROLOGICAL AGENCY.** Japan Meteorological Agency, 1-3-4 Otemachi, Tokyo 100-8122, Japan.
TAP	**CENTRAL WEATHER BUREAU (CWB).** 64 Kung Yuan Road, 10039 Chinese Taipei
SFS	**REAL INSTITUTO Y OBSERVATORIO DE LA ARMADA.** C/Ceciclio Pujazon s/n cp 11100 San Fernando, Spain.
EST	**GEOLOGICAL SURVEY OF ESTONIA.** Geological Survey of Estonia, Kadaka tee 82, Tallinn, 12618, Estonia.
ASRS	**ALTAI-SAYAN SEISMOLOGICAL CENTRE, GS SB RAS.** Geophysical Survey SB RAS, Ac. Koptyug Pr.,3, 630090, Novosibirsk, Russia.
IASPE	**IASPEI WORKING GROUP ON REFERENCE EVENTS.** Department of Physics, University of Colorado, Campus Box 390, Boulder, CO 80309-0390, U.S.A..
LIC	**STATION GOPHYSIQUE DE LAMTO.** Station Geophysique, BP 31, N,Douci, Ivory Coast.
DDA	**DISASTER AND EMERGENCY MANAGEMENT PRESIDENCY.** Disaster and Emergency Management Presidency, Earthquake Department Presidency, Kızılırmak Mah. Ufuk nversitesi Cad. No:12 Stz, 06510 ankaya, Ankara, Turkey.
SNET	**SERVICIO NACIONAL DE ESTUDIOS TERRITORIALES.** Ministerio de Obras Publicas de El Salvador, Alameda Roosevelt y 55 Avenida No. 16, San Salvador, El Salvador.
LSZ	**GEOLOGICAL SURVEY DEPARTMENT OF ZAMBIA.** Geological Survey Department, P.O. Box 50135, Lusaka, Zambia.
RSPR	**RED SSMICA DE PUERTO RICO.** Geology Department, University of Puerto Rico, Mayaguez Campus, Box 9017, Mayaguez, PR 00681 9017, U.S.A..
NIED	**NATIONAL RESEARCH INSTITUTE FOR EARTH SCIENCE AND DISASTER PREVENTION.** National Research Institute for Earth Science and Disaster Prevention, 3-1 Tennodai, Tsukuba, Ibaraki 305-0006, Japan.
GCG	**INSIVUMEH.** Instituto Nacional de Sismologia, Vulcanologia, Meteorologia e Hidrologia, INSIVUMEH, 7a. Avenida 14-57, zona 13, 01013 Ciudad de Guatemala, Guatemala.
ASIES	**INSTITUTE OF EARTH SCIENCES, ACADEMIA SINICA.** Institute of Earth Sciences, Academia Sinica, POB 1-55, Nankang, 11529, Chinese Taipei, Chinese Taipei.
KEA	**KOREA EARTHQUAKE ADMINISTRATION.** Earthquake Administration of DPR Korea (KEA), Pyongyang, Democratic People's Republic of Korea.
DJA	**BADAN METEOROLOGI, KLIMATOLOGI DAN GEOFISIKA.** Badan Meteorologi dan Geofisika, Jln. Angkasa I/2 Kemayoran, Jakarta Pusat 10720, Indonesia.
CUPWA	**CURTIN UNIVERSITY.** Kent St., Bentley, Perth, WA 6102, Australia.
PAS	**CALIFORNIA INSTITUTE OF TECHNOLOGY.** California Institute of Technology, Seismological Laboratory, 1200 E. California Blvd., MS 252-21, Pasadena, CA 91125, U.S.A..
BUC	**NATIONAL INSTITUTE FOR EARTH PHYSICS.** National Institute for Earth Physics, Seismological Department, PO Box MG-2, 76900, Bucharest-Magurele, Romania.
MEX	**INSTITUTO DE GEOFSICA DE LA UNAM.** Servicio Sismologico Nacional, Instituto de Geofisica, Universidad Nacional Autonoma de Mexico, Ciudad Universitaria Del. Coyoacan, C.P. 04510, Mexico D.F., Mexico.

UPP	**UNIVERSITY OF UPPSALA.** Dept of Earth Sciences, Seismology, Villavagen 16, 75236 Uppsala, Sweden.
SSN	**SUDAN SEISMIC NETWORK.** Ministry of Minerals, Geological Research Authority of Sudan, PO Box 410, Khartoum, Sudan.
VIE	**ZENTRALANSTALT FR METEOROLOGIE UND GEODYNAMIK (ZAMG).** Zentralanstalt fr Meteorologie und Geodynamik (ZAMG), Abteilung Geophysik, Postfach 342, A-1191 Wien, Austria.
CAR	**INSTITUTO SISMOLOGICO DE CARACAS.** Instituto Sismologico, Apartado 6745, Caracas 1010A, Venezuela.
REY	**ICELANDIC METEOROLOGICAL OFFICE.** Vedurstofa Islands, Reykjavik, Iceland.
LDG	**LABORATOIRE DE DTECTION ET DE GOPHYSIQUE/CEA.** Section Traitment de Donnees Geophysique, B.P. 12, 91680 Bruyeres-le-Chatel, France.
BUT	**MONTANA BUREAU OF MINES AND GEOLOGY.** Montana Tech of The University of Montana, Butte, MT 59701, U.S.A..
THE	**DEPARTMENT OF GEOPHYSICS, ARISTOTLE UNIVERSITY OF THESSALONIKI.** Central Seismological Station, Laboratory of Geophysics, Aristotle University, GR-54006 Thessaloniki, Greece.
SCB	**OBSERVATORIO SAN CALIXTO.** Observatorio San Calixto, Casilla 12656, La Paz, Bolivia.
CRAAG	**CENTRE DE RECHERCHE EN ASTRONOMIE, ASTROPHYSIQUE ET GOPHYSIQUE.** Centre de Recherche en Astronomie, Astrophysique et Geophysique, Craag, Algiers, Algeria.
NIC	**CYPRUS GEOLOGICAL SURVEY DEPARTMENT.** Cyprus Geological Survey Department, 1 Lefkonos Street, 2064 Strovolos, Lefkosia, Cyprus.
DNK	**GEOLOGICAL SURVEY OF DENMARK AND GREENLAND.** Geological Survey of Denmark and Greenland (GEUS), Ostervoldgade 10, DK-1350 Copenhagen K, Denmark.
CSEM	**CENTRE SISMOLOGIQUE EURO-MDITERRANEN (CSEM/EMSC).** Centre Sismologique Euro-Mediterraneen, c/o LDG, BP12, 91680 Bruyeres-le-Chatel, France.
SKO	**SEISMOLOGICAL OBSERVATORY SKOPJE.** University Seismological Observatory, Skopje, P.O. Box 422, 91001, Skopje, FYR Macedonia.
DRS	**DAGESTAN BRANCH, GEOPHYSICAL SURVEY, RUSSIAN ACADEMY OF SCIENCES.** Belinskogo str., 16, Makhachkala, 367008, Russia.
MRB	**INSTITUT CARTOGRFIC I GEOLGIC DE CATALUNYA.** Institut Cartografic de Catalunya, Parc de Montjuic, 08038 Barcelona, Spain.
BEO	**SEISMOLOGICAL SURVEY OF SERBIA.** Republicki seizmoloski zavod - Seismological Survey of Serbia, Park Tasmajdan, P.O.Box 16, 11000 Beograd, Serbia.
ISN	**IRAQI METEOROLOGICAL AND SEISMOLOGY ORGANISATION.** Iraqi Meteorological and Seismology Organisation, Baghdad, Iraq.
HVO	**HAWAIIAN VOLCANO OBSERVATORY.** US Geological Survey, Hawaiian Volcano Observatory, P.O. Box 51, Hawaiian National Park, HI 96718-0051, U.S.A..
HEL	**INSTITUTE OF SEISMOLOGY, UNIVERSITY OF HELSINKI.** Department of Geosciences and Geography, University of Helsinki, P.O. Box 68, Gustaf Hllstrmin katu 2b, FI-00014 University of Helsinki, Finland.
IGQ	**SERVICIO NACIONAL DE SISMOLOGA Y VULCANOLOGA.** Instituto Geofisico, Escuela Politecnica Nacional, P.O.Box 17012759, Quito, Ecuador.
OSPL	**OBSERVATORIO SISMOLOGICO POLITECNICO LOYOLA.** 18 De Agosto, San Cristobal, Dominican Republic.
NORS	**NORTH OSSETIA (ALANIA) BRANCH, GEOPHYSICAL SURVEY, RUSSIAN ACADEMY OF SCIENCES.** , Russia.
PGC	**PACIFIC GEOSCIENCE CENTRE.** Pacific Geoscience Centre, 9860 West Saanich Road, P.O. Box 6000, Sidney, British Columbia, V8L 4B2, Canada.
GRAL	**NATIONAL COUNCIL FOR SCIENTIFIC RESEARCH.** National Centre for Geophysical Research, 59, Rue Zahia Selman, B.P. 11-8281 Ryad El Solh 1107, Beyrouth, Lebanon.
GII	**THE GEOPHYSICAL INSTITUTE OF ISRAEL.** Geophysical Institute of Israel, P.O. Box 182, Lod 71100, Israel, Israel.
MED_R	**MEDNET REGIONAL CENTROID - MOMENT TENSORS.** MedNet Regional Centroid - Moment Tensors (INGV), Via di Vigna Murata 605, 00143 Roma, Italy.
SOF	**GEOPHYSICAL INSTITUTE, BULGARIAN ACADEMY OF SCIENCES.** Department of Seismology, Geophysical Institute, Bulgarian Academy of Sciences, Acad. G. Bonchev str, bl.3, 1113 - Sofia, Bulgaria.
SEA	**GEOPHYSICS PROGRAM AK-50.** Geophysics Program AK-50, University of Washington, Seattle WA 98195, U.S.A..
ZUR	**SWISS SEISMOLOGICAL SERVICE (SED).** ETH Zrich, Sonneggstr. 5, 8092 Zrich, Switzerland.
KRSC	**KAMCHATKAN EXPERIMENTAL AND METHODICAL SEISMOLOGICAL DEPARTMENT, GS RAS.** Kamchatka Branch of GS RAS, 9 Piip Boulevard, Petropavlovsk-Kamchatsky, 683006, Russia.
DSN	**DUBAI SEISMIC NETWORK.** Dubai Seismic Network, Dubai Municipality, Dubai, United Arab Emirates.
PLV	**NATIONAL CENTER FOR SCIENTIFIC RESEARCH.** National Center for Scientific Research, Hanoi, Vietnam.
ATH	**NATIONAL OBSERVATORY OF ATHENS.** Institute of Geodynamics, National Observatory of Athens, P.O. Box 20048, 118 10 Athens, Greece.
FIA0	**FINESSA ARRAY.** , Finland.
NDI	**NATIONAL CENTRE FOR SEISMOLOGY OF THE MINISTRY OF EARTH SCIENCES OF INDIA.** National Centre for Seismology, Ministry of Earth Sciences, Lodi Road, New Delhi, India.
IDC	**INTERNATIONAL DATA CENTRE, CTBTO.** International Data Centre, Provisional Technical Secretariat (PTS), Comprehensive Nuclear-Test-Ban Treaty Organization (CTBTO), Vienna International Centre, PO Box 1200, A-1400 Vienna, Austria.
INMG	**INSTITUTO PORTUGUS DO MAR E DA ATMOSFERA, I.P..** Instituto Portugus do Mar e da Atmosfera, Rua C ao Aeroporto, 1749-077 Lisboa, Portugal.
NAM	**THE GEOLOGICAL SURVEY OF NAMIBIA.** Ministry of Mines and Energy, Geological Survey of Namibia, 6 Aviation Road, Private Bag 13297, Windhoek, Namibia.
CNRM	**CENTRE NATIONAL DE RECHERCHE.** Centre National de Recherche, B.P. 1346, R.P. Rabat, Morocco.
PRE	**COUNCIL FOR GEOSCIENCE.** Council for Geoscience, 280 Pretoria Street, Silverton, Pretoria, South Africa.
BYKL	**BAYKAL REGIONAL SEISMOLOGICAL CENTRE, GS SB RAS.** Baykal Regional Seismological Centre, Lermontov str,.128, Irkutsk-33, 664033, Russia.
HLW	**NATIONAL RESEARCH INSTITUTE OF ASTRONOMY AND GEOPHYSICS.** National Research Institute of Astronomy and Geophysics (NRIAG), Helwan, Cairo, Egypt.
BNS	**ERDBEBENSTATION, GEOLOGISCHES INSTITUT DER UNIVERSITT, KL.** Erdbebenstation, Geologisches Institut der Universitat Koln, Vinzenz-Pallotti-Strasse 26, 51429 Bergisch Gladbach, Germany.
ECX	**CENTRO DE INVESTIGACIN CIENTFICA Y DE EDUCACIN SUPERIOR DE ENSENADA.** C I C E S E, Carretera Ensenada-Tijuana No. 3918 Zona Playitas Cdigo Postal 22860, Ensenada, B.C., Mexico.
KLM	**MALAYSIAN METEOROLOGICAL SERVICE.** Malaysian Meteorological Department, Jalan Sultan, 46667 Petaling Jaya, Selangor, Malaysia.
JSN	**JAMAICA SEISMIC NETWORK.** The University of the West Indies, Department of Geology, Seismic Research Unit, Mona, Kingston 7, Jamaica.
BER	**UNIVERSITY OF BERGEN.** Department of Earth Science, Allegt. 41, 5007 Bergen, Norway.
VAO	**INSTITUTO ASTRONOMICO E GEOFSICO.** Centro de Sismologia, IAG-USP, Rua do Mato 1226, Cidade Universitria, 05508-090 So Paulo, Brazil.

SLM **SAINT LOUIS UNIVERSITY.** Department of Earth and Atmospheric Sciences, Saint Louis University, Laclede Station, P.O. Box 8099, Saint Louis, MO 63156, U.S.A..

NNC **NATIONAL NUCLEAR CENTER.** Kazakhstan National Data Center, IGR NNC RK, Chaikinoy str., 4, 480020, Almaty, Kazakhstan.

INET **INSTITUTO NICARAGUENSE DE ESTUDIOS TERRITORIALES - INETER.** Direccion de Geofisica, Frente a Hospital Metrpoli Xolotln, Apdo. Postal 2110 Managua, Nicaragua.

OMAN **SULTAN QABOOS UNIVERSITY.** College of Science, Sultan Qaboos University, P.O. Box 36, 123 Al Khod, Oman.

WEL **INSTITUTE OF GEOLOGICAL AND NUCLEAR SCIENCES.** GNS Science, 1 Fairway Drive, Avalon, PO Box 30368, Lower Hutt 5040, New Zealand.

ISU **INSTITUTE OF SEISMOLOGY, ACADEMY OF SCIENCES, REPUBLIC OF UZBEKISTAN.** Institute Seismology of Academy Sciences, 3, Zulfiyakhonim Street, 100128, Tashkent, Uzbekistan.

ZAG **SEISMOLOGICAL SURVEY OF THE REPUBLIC OF CROATIA.** Seismological Survey of the Republic of Croatia, University of Zagreb, Department of Geophysics, Horvatovac bb, 10000 Zagreb, Croatia.

MDD **INSTITUTO GEOGRFICO NACIONAL.** Red Ssmica Nacional, Calle del General Ibanez de Ibero 3, 28003 Madrid, Spain.

SIGU **SUBBOTIN INSTITUTE OF GEOPHYSICS, NATIONAL ACADEMY OF SCIENCES.** Subbotin Institute of Geophysics, Ukraine.

SJA **INSTITUTO NACIONAL DE PREVENCIN SSMICA.** Instituto Nacional de Prevencin Ssmica (INPRES), Departamento de Sismologia, Roger Balet 47 Norte, 5400 San Juan, Argentina.

BJI **CHINA EARTHQUAKE NETWORKS CENTER.** China Earthquake Networks Center, China Earthquake Administration, No.5, Sanlihe Nanhengjie, Xicheng District, Beijing 100045, China.

GUC **CENTRO SISMOLGICO NACIONAL, UNIVERSIDAD DE CHILE.** Beauchef 850, Casilla 2777, Santiago, Chile.

SSNC **SERVICIO SISMOLGICO NACIONAL CUBANO.** Centro Nacional de Investigaciones Sismolgicas (CENAIS), Calle 17 no 67e/ 4 y 6, Vista Alegre, Santiago de Cuba 90400, Cuba.

OTT **CANADIAN HAZARDS INFORMATION SERVICE, NATURAL RESOURCES CANADA.** Canadian Hazards Information Service, Natural Resources Canada, Ottawa, Ontario K1A 0Y3, Canada.

BUG **INSTITUTE OF GEOLOGY, MINERALOGY & GEOPHYSICS.** Ruhr-Universitat Bochum, Gebude NA 3/173, 44780 Bochum, Germany.

KRSZO **GEODETIC AND GEOPHYSICAL REASEARCH INSTITUTE, HUNGARIAN ACADEMY OF SCIENCES.** , Hungary.

MAN **PHILIPPINE INSTITUTE OF VOLCANOLOGY AND SEISMOLOGY.** PHIVOLCS, University of the Philippines Campus, PHIVOLCS Building, C. P. Garcia Avenue, Diliman, Quezon City, 1100, Philippines.

CLL **GEOPHYSIKALISCHES OBSERVATORIUM COLLM.** Universitaet Leipzig, D-04779 Wermsdorf, Germany.

MCSM **MAIN CENTRE FOR SPECIAL MONITORING.** , Ukraine.

YARS **YAKUTIYA REGIONAL SEISMOLOGICAL CENTER, GS SB RAS.** Yakutiya Regional Seismological Center, GS SB RAS, pr. Lenina 39, 677980, Yakutsk, Russia.

PRU **GEOPHYSICAL INSTITUTE, ACADEMY OF SCIENCES OF THE CZECH REPUBLIC.** Geophysical Institute, Academy of Sciences of the Czech Republic, Bocni II/1401, 14131 Prague, Czech Republic.

THR **INTERNATIONAL INSTITUTE OF EARTHQUAKE ENGINEERING AND SEISMOLOGY (IIEES).** International Institute of Earthquake Engineering and Seismology (IIEES), No. 26 Argavan Avenue, Dibaji Shomali, Farmanih, Tehran, Iran.

NERS **NORTH EASTERN REGIONAL SEISMOLOGICAL CENTRE, GS RAS.** North Eastern Regional Seismological Centre (GSRAS), Skuridin str.,6-b, 685024 Magadan, Russia.

NCEDC **NORTHERN CALIFORNIA EARTHQUAKE DATA CENTER.** University of California, Berkeley and US Geological Survey, http://quake.geo.berkeley.edu/ncedc, Menlo Park, U.S.A..

PDG **SEISMOLOGICAL INSTITUTE OF MONTENEGRO.** Seismological Institute of Montenegro, R. Burica 2, P.O. Box 196, 20.000 Podgorica, Montenegro.

IGIL **INSTITUTO DOM LUIZ, UNIVERSITY OF LISBON.** Instituto Dom Luiz, Faculdade de Cincias da Universidade de Lisboa, Campo Grande, Edificio C1, Piso 1, 1749-016 Lisboa, Portugal.

TRN **THE SEISMIC RESEARCH CENTRE.** The University of the West Indies, St. Augustine, Trinidad, Trinidad and Tobago.

BGS **BRITISH GEOLOGICAL SURVEY.** Global Seismology Unit, Murchison House, West Mains Road, Edinburgh, EH9 3LA, United Kingdom.

GDNRW **GEOLOGISCHER DIENST NORDRHEIN-WESTFALEN.** Geologischer Dienst Nordrhein-Westfalen, De-Greiff-Str. 195, D-47803 Krefeld, Germany.

MOS **GEOPHYSICAL SURVEY OF RUSSIAN ACADEMY OF SCIENCES.** Geophysical Survey of Russian Academy of Sciences, Obninsk, Lenin str., 189, 249020, Kaluga region, Russia.

DMN **NATIONAL SEISMOLOGICAL CENTRE, NEPAL.** Department Of Mines and Geology, Lainchour, Kathmandu, Nepal.

MIRAS **MINING INSTITUTE OF THE URAL BRANCH OF THE RUSSIAN ACADEMY OF SCIENCES.** Mining Institute of the Ural Branch of the Russian Academy of Sciences, Sibirskaya str, 78A, Perm, Permisky Krai, Russia.

OGSO **OHIO GEOLOGICAL SURVEY.** Ohio Department of Natural Resources, Division of Geological Survey, 2045 Morse Rd., Bldg. C-1, Columbus, OH 43229-6693, U.S.A..

NOU **IRD CENTRE DE NOUMA.** Institut de recherche pour le dveloppement, Centre de Nouma, 101 Promenade Roger Laroque - Anse Vata, BP A5 - 98848 Noumea Cedex, New Caledonia.

UCR **SECCIN DE SISMOLOGA, VULCANOLOGA Y EXPLORACIN GEOFSICA.** Escuela Centroamericana de Geologa, Apdo. 214-2060, Universidad de Costa Rica, San Pedro, Costa Rica.

DBN **KONINKLIJK NEDERLANDS METEOROLOGISCH INSTITUUT.** Royal Netherlands Meteorological Institute, Seismology Division, Wilhelminalaan 10, P.O. Box 201, NL-3730 AE De Bilt, Netherlands.

GEN **DIPARTIMENTO PER LO STUDIO DEL TERRITORIO E DELLE SUE RISORSE (RSNI).** Universita di Genova, Laboritorio di Sismologia, Viale Benedetto XV, 5, 16132 Genova, Italy.

SOME **SEISMOLOGICAL EXPERIMENTAL METHODOLOGICAL EXPEDITION.** Seismological Experimental Methodological Expedition, MES RK, Al-Farabi Av., 75 A, 050060, Almaty, Kazakhstan.

RHSSO **REPUBLIC HYDROMETEOROLOGICAL SERVICE, SEISMOLOGICAL OBSERVATORY, BANJA LUKA.** Put banjaluckog odreda bb, P.O. BOX 147, 78 000 Banja Luka, Republic of Srpska, Bosnia and Herzegovina, Bosnia and Herzegovina.

GCMT **THE GLOBAL CMT PROJECT.** Lamont Doherty Earth Observatory (LDEO), Columbia University, 61 Route 9W, P.O. Box 1000, Palisades, NY 10964-1000, U.S.A..

SCEDC **SOUTHERN CALIFORNIA EARTHQUAKE DATA CENTER.** Seismology Laboratory, Caltech, Pasadena, California 91125, U.S.A..

LJU **SLOVENIAN ENVIRONMENT AGENCY.** Slovenian Environment Agency, Seismology Office, Vojkova 1b, SI-1000 Ljubljana, Slovenia.

WBNET **INSTITUTE OF GEOPHYSICS, CZECH ACADEMY OF SCIENCES.** Geophysical Institute, Academy of Sciences of the Czech Republic, Bocni II/1401, 14131 Prague, Czech Republic.

AWI **ALFRED WEGENER INSTITUTE FOR POLAR AND MARINE RESEARCH.** Alfred Wegener Institute for Polar and Marine Research, Bremerhaven, Postfach 12 0161, D-27515, Bremerhaven, Germany.

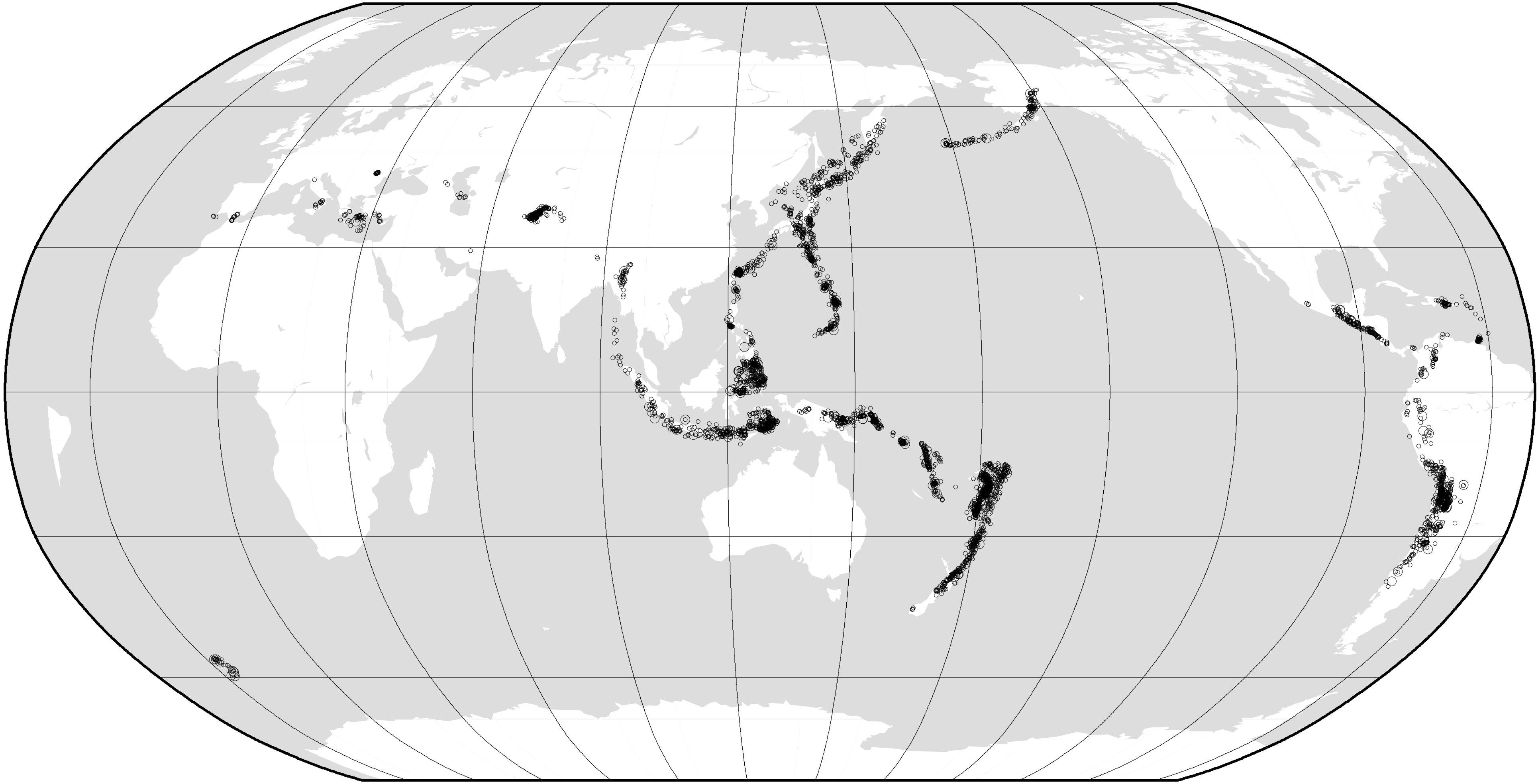
LVSN **LATVIAN SEISMIC NETWORK.** Latvian Environment, Geology and Meteorology Centre, Maskavas Street 165, Riga, LV-1019, Latvia.

NEIC **NATIONAL EARTHQUAKE INFORMATION CENTER.** National Earthquake Information Center, U.S. Geological Survey, Stop 966, DFC, Denver CO 80225-0046, U.S.A..

UNK **UNKNOWN SOURCE.**

TIR	**THE INSTITUTE OF SEISMOLOGY, ACADEMY OF SCIENCES OF ALBANIA.** Seismological Institute, Academy of Sciences of Albania, Rruga Don Bosko, Tirana, Albania.
TIF	**INSTITUTE OF EARTH SCIENCES/ NATIONAL SEISMIC MONITORING CENTER.** Ilia State University, 77 Nutsubidze str, 0177, Tbilisi, Georgia.
BUL	**GOETZ OBSERVATORY.** Goetz Observatory, P.O. Box AC 65, Ascot, Bulawayo, Zimbabwe.
AUST	**GEOSCIENCE AUSTRALIA.** Geoscience Australia, Cnr Jerrabomberra Ave and Hindmarsh Drive, Symonston ACT, PO Box 378, Canberra ACT 2601, Australia.
BGR	**BUNDESANSTALT FR GEOWISSENSCHAFTEN UND ROHSTOFFE.** Bundesanstalt fuer Geowissenschaften und Rohstoffe, Stilleweg 2, D-30655 Hannover, Germany.
TUL	**OKLAHOMA GEOLOGICAL SURVEY.** Oklahoma Geophysical Observatory, Oklahoma Geological Survey, Box 8, Leonard, OK 74043, U.S.A..
IEPN	**INSTITUTE OF ENVIRONMENTAL PROBLEMS OF THE NORTH, RUSSIAN ACADEMY OF SCIENCES.** Institute of Environmental Problems of the North, Russian Academy of Sciences, Severnoj Dviny Emb., 23, Arkhangelsk 163000, Russia.
KMA	**KOREA METEOROLOGICAL ADMINISTRATION.** Earthquake Division, 460-18 Sindaebang-dong Dongjak-gu, Seoul 156-720, Republic of Korea.
ICE	**INSTITUTO COSTARRICENSE DE ELECTRICIDAD.** Instituto Costarricense de Electricidad, Apartado 10032, San Jose, Costa Rica.
TUN	**INSTITUT NATIONAL DE LA MTOROLOGIE.** Institut National de la Mtorologie, Avenue Mohamed Ali Akid Cit olympique El Khadhra, 1003 Tunis, Tunisia.
REN	**MACKAY SCHOOL OF MINES.** MacKay School of Mines, University of Nevada, Reno, NV 89507, U.S.A..
NAO	**STIFTELSEN NORSAR.** Stiftelsen NORSAR, Gunnar Randers vei 15, P.O. Box 53, 2027 Kjeller, Norway.
LIT	**GEOLOGICAL SURVEY OF LITHUANIA.** Geological Survey of Lithuania, S. Konarskio str. 35, LT-03123 Vilnius, Lithuania.
UCC	**ROYAL OBSERVATORY OF BELGIUM.** Department of Reference Systems and Geodynamics, Royal Observatory of Belgium, Av. Circulaire, 3, Ringlaan 3, 1180 Bruxelles, Belgium.
KRNET	**INSTITUTE OF SEISMOLOGY, ACADEMY OF SCIENCES OF KYRGYZ REPUBLIC.** , Kyrgyzstan.
SVSA	**SISTEMA DE VIGILNCIA SISMOLGICA DOS AORES.** Observatrio Afonso Chaves, Ponta Delgada, Aores, (Communications to:Servico Meteorologico Nacional, Rua C, Aeroporto, Lisboa-2, Portugal.), Portugal.
AZER	**REPUBLICAN SEISMIC SURVEY CENTER OF AZERBAIJAN NATIONAL ACADEMY OF SCIENCES.** 25, Nigar Rafibeyli str., AZ1001, Baku, Azerbaijan.

ISC Epicentres for January - June 2017
Depth > 60 km
4836 Events



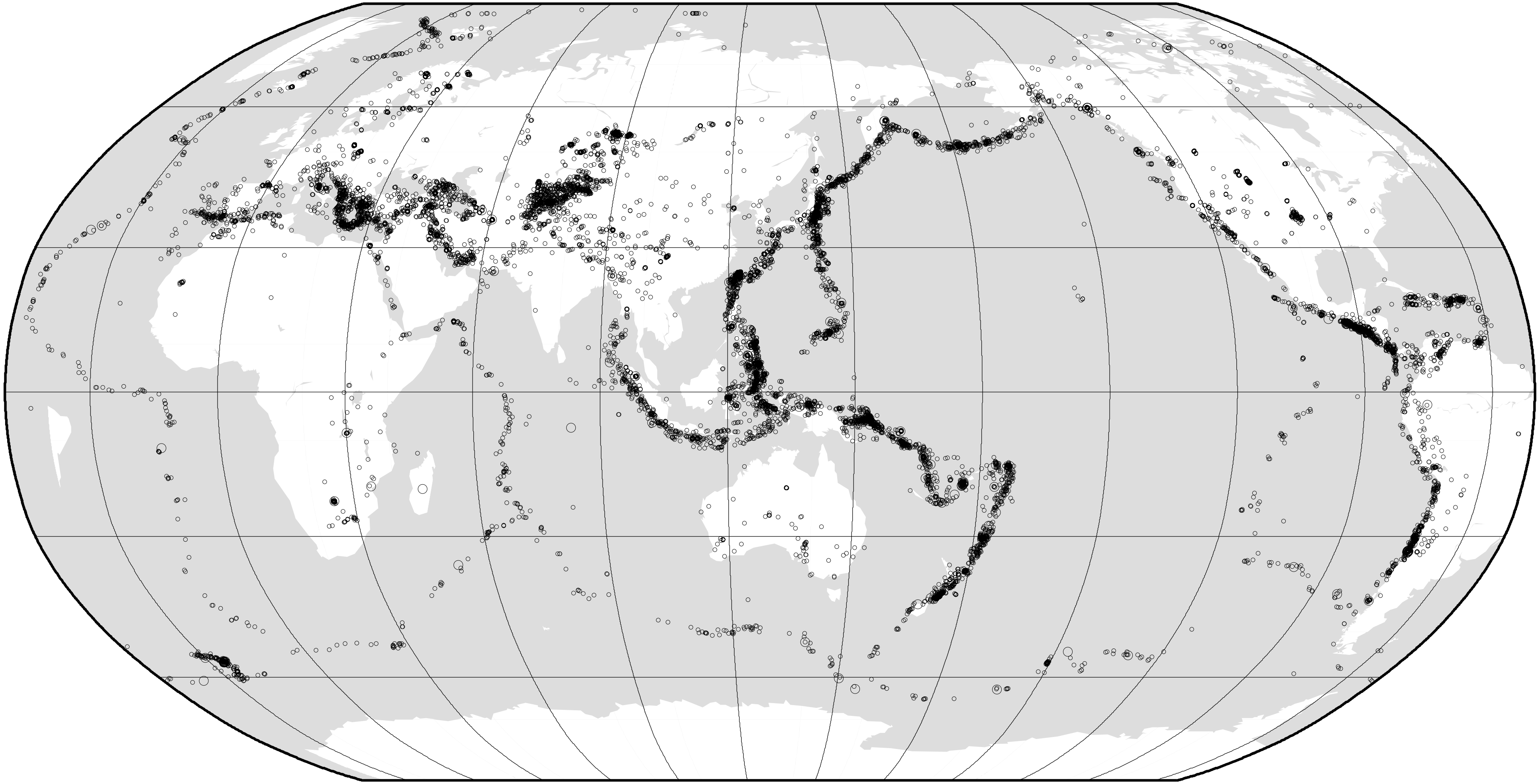
Magnitudes ○ 8 ○ 5 ◦ < 5

Robinson Projection, centred on 0˚N,130˚E

ISC Epicentres for January - June 2017

Depth <= 60 km or Unspecified

14323 Events



Magnitudes ○ 8 ○ 5 ◦ < 5

Robinson Projection, centred on 0˚N,130˚E